# Environmental Resources Permit <br> Modification Application <br> (Modification to FDEP \#48-0187635-002-EM And 48-0187635-003-EM) 

# Vista Class III Landfill Phased Redesign Apopka, Florida 

## Prepared for

Waste Management Inc., of Florida
255 West Keener Road
APOPKA, Florida 32703

## SUBMITTED TO:

Florida Department of Environmental Protection
3319 McGuire Blvd., Suite 232
Orlando, Florida 32803-3767

AND<br>CITY OF APOPKA<br>120 East main Street<br>APOPKA, FLORIDA 32703

JANUARY 2011

APPLIED TECHNOLOGY \& MANAGEMENT
III VI
Applied Technology and Management, Inc.
5550 NW 111 Blvd.
Gainesville, Florida 32653
386-418-6400
Fax 386-418-6401


## Section A

Section C
Section E

## List of Tables

## List of Sheets

## Appendices

# Appendix A Full Sized Construction Plans 

Appendix B Geotechnical Report by Devo Engineering

Appendix C PONDS Computer Modeling Recovery Analysis

Appendix D ICPR Computer Modeling of Conveyance System Without Infiltration

1 Physical Properties of the Soils and Soil and Water Features
2 Drainage Basin, Curve Number and Volume Calculations
3 Water Quality Calculations
4 Summary of PONDS Modeling Results

## SHEETS

C-1 Project Location Map
C-2A Final Grading and Drainage Plan
C-2B Final Grading and Drainage Plan
C-2C Post Developed Contributing Drainage Basin Map
C-2D Post Developed Contributing Drainage Basin Map
C-2E Pond Sections
C-2F Details
C-2G Details
$\mathrm{C}-2 \mathrm{H}$ Interim Pre-Consumer Vegetative Waste Organic Recycling Facility Grading and Drainage Plan (5 year Plan)
E-1 NRCS Soils Map
E-2 Aerial Photograph
E-3 Pre-Developed FLUCCS Code Map
E-4 FEMA FIRM Map
E-5 Post-Developed FLUCCS Code Map

## SECTION A

|  | FOR AGENCY USE ONLY |
| :--- | :--- |
| ACOE Application \# | DEP/WMD Application \# |
| Date Application Received | Date Application Received |
| Proposed Project Lat. | Fee Received \$ |
| Proposed Project Long. | Fee Receipt \# |

PART 1:
Are any of the activities described in this application proposed to occur in, on, or over wetlands or other surface waters? $\square$ yes $\boxtimes$ no
Is this application being filed by or on behalf of a government entity or drainage district? $\square$ yes $\boxtimes$ no
A. Type of Environmental Resource Permit Requested (check at least one). See Attachment 2 for thresholds and descriptions.
$\square$ Noticed General - include information requested in Section B.
$\square \quad$ Standard General (Single Family Dwelling) - include information requested in Sections C and D.
$\boxtimes \quad$ Standard General (all other Standard General projects) - include information requested in Sections C and E.
$\square \quad$ Individual (Single Family Dwelling) - include information requested in Sections C and D. Individual (all other Individual projects) - include information requested in Sections C and E.
$\square \quad$ Conceptual - include information requested in Sections $C$ and $E$.
$\square \quad$ Mitigation Bank Permit (construction) - include information requested in Sections C and F. (If the proposed mitigation bank involves the construction of a surface water management system requiring another permit defined above, check the appropriate box and submit the information requested by the applicable section.)
$\square \quad$ Mitigation Bank (conceptual) - include information requested in Sections C and F.
B. Type of activity for which you are applying (check at least one)
$\square \quad$ Construction or operation of a new system, other than a solid waste facility, including dredging or filling in, on or over wetlands and other surface waters.
$\square \quad$ Construction, expansion or modification of a solid waste facility.
$\square \quad$ Alteration or operation of an existing system which was not previously permitted by a WMD or DEP.
$\boxtimes \quad$ Modification of a system previously permitted by a WMD or DEP.
Provide previous permit numbers: FDEP \#48-0187635-002-EM and 48-0187635-003-EM $\square$ Alteration of a system $\square$ Extension of permit duration $\square$ Abandonment of a system $\square$ Construction of additional phases of a system $\quad \square$ Removal of a system
C. Are you requesting authorization to use Sovereign Submerged Lands?
$\square$ yes $\boxtimes$ no
(See Section G and Attachment 5 for more information before answering this question.)
D. For activities in, on, or over wetlands or other surface waters, check type of federal dredge and fill permit requested:

| $\square$ Individual | $\square$ Programmatic General | $\square$ General |
| :--- | :--- | :--- |
| $\square$ Nationwide | $\square$ Not Applicable |  |

E. Are you claiming to qualify for an exemption? $\square$ yes $\boxtimes$ no

If yes, provide rule number if known.


| PART 5: |  |  |
| :---: | :---: | :---: |
| Project location (use additional sheets if needed): |  |  |
| County(ies) Orange |  |  |
| Section(s) 28 Township 21 South | Range | 28 East |
| Section(s) Township | Range |  |
| Section(s) Township | Range |  |
| Land Grant name, if applicable: NA |  |  |
| Tax Parcel Identification Number: __ |  |  |
| Street Address, Road or other location: 255 West Keene Road |  |  |
| City, Zip Code, if applicable: $\underline{\text { Apopka, FL } 32703}$ |  |  |
| PART 6: Describe in general terms the proposed project, system, or activity. |  |  |
| Construct a redesigned total retention stormwater system to serve the Vista Landfill for the interim 5-year plan with a pre-consumer vegetative waste organic recycling facility and the buildout conditions. |  |  |

## PART 7:

A. If there have been any pre-application meetings, including on-site meetings, with regulatory staff, please list the date(s), location(s), and names of key staff and project representatives.
B. Please identify by number any MSSW/Wetland Resource/ERP/ACOE Permits pending, issued or denied for projects at the location, and any related enforcement actions.

| Agency | Date | No.lType of <br> Application | Action Taken |  |
| :--- | :--- | :--- | :--- | :--- |
| $\underline{\text { FDEP }}$ | $\underline{12 / 11 / 02}$ |  | $\underline{48-01786735-001-E M}$ | issued |
|  | $\underline{12 / 11 / 02}$ | $\underline{48-01786735-002-E M}$ | $\underline{\text { issued }}$ |  |
|  | $\underline{12 / 11 / 02}$ | $\underline{48-01786735-003 E M}$ | $\underline{\text { issued }}$ |  |

C. Note: The following information is required for projects proposed to occur in, on or over wetlands that need a federal dredge and fill permit or an authorization to use state owned submerged lands. Please provide the names, addresses and zip codes of property owners whose property directly adjoins the project (excluding application) and/or (for proprietary authorizations) is located within a 500 ft . radius of the applicant's land. Please attach a plan view showing the owner's names and adjoining property lines. Attach additional sheets if necessary.
1.

NA
3.
5.
7.
2.
4.
6.
8.

PART 8:
A. By signing this application form, I am applying, or I am applying on behalf of the applicant, for the permit and any proprietary authorizations identified above, according to the supporting data and other incidental information filed with this application. I am familiar with the information contained in this application and represent that such information is true, complete and accurate. I understand this is an application and not a permit, and that work prior to approval is a violation. I understand that this application and any permit issued or proprietary authorization issued pursuant thereto, does not relive me of any obligation for obtaining any other required federal, state, water management district or local permit prior to commencement of construction. I agree, or I agree on behalf of the applicant, to operate and maintain the permitted system unless the permitting agency authorizes transfer of the permit to a responsible operation entity. I understand that knowingly making any false statement or representation in this application is a violation of Section 373.430, F.S. and 18 U.S.C. Section 1001.

Chris Schumacher, P.E.
Typed/Printed Name of Applicant (If no Agent is used) or Agent (If one is so authorized below)


Signature of Applicant/Agent

December 31, 2010
Date
(Corporate Title if applicable)

## AN AGENT MAY SIGN ABOVE ONLY IF THE APPLICANT COMPLETES THE FOLLOWING:

B. I hereby designate and authorize the agent listed above to act on my behalf, or on behalf of my corporation, as the agent in the processing of this application for the permit and/or proprietary authorization indicated above; and to furnish, on request, supplemental information in support of the application. In addition, I authorize the above-listed agent to bind me, or my corporation, to perform any requirements which may be necessary to procure the permit or authorization indicated above. I understand that knowingly making any false statement or representation in this application is a violation of Section 373.430, F.S. and 18 U.S.C. Section 1001.


## Vice President, Waste Management Inc. of Florida

(Corporate Title if applicable)

## Please note: The applicant's original signature (not a copy) is required above,

## PERSON AUTHORIZING ACCESS TO THE PROPERTY MUST COMPLETE THE FOLLOWING:

C. I either own the property described in this application or I have legal authority to allow access to the property, and I consent, after receiving prior notification, to any site visit on the property by agents or personnel from the Department of Environmental Protection, the Water Management District and the U.S. Army Corps of Engineers necessary for the review and inspection of the proposed project specified in this application. I authorize these agents or personnel to enter the property as many times as may be necessary to make such review and inspection. Further, I agree to provide entry to the project site for such agents or personnel to monitor permitted work if a permit is granted.

| permitted work if a permit is granted. | December 31, 2010 |  |
| :--- | :--- | :--- |
| R. David McConnell | Syped/Printed Name of Applicant | Signature of-Applicant |

[^0]
## ERP QUESTIONS AND RESPONSES

## Section C: Questions 1 through 6

1. Indicate the project boundaries on a USGS quadrangle map. Attach a location map showing the boundary of the proposed activity. The map should also contain a north arrow and a graphic scale; show Section(s), Township(s), and Range(s); and must be of sufficient detail to allow a person unfamiliar with the site to find it.

A project location map with the property boundaries is shown on Figure C-1. The project is located in Section 28, Township 21 South, Range 28 East in Apopka, Florida. The site is located on the south side in the City of Apopka. The City of Apopka is located in northwest portion of Orange County, Florida.
2. Provide the names of all wetlands, or other surface waters that would be dredged, filled, impounded, diverted, drained, or would receive discharge (either directly or indirectly), or would otherwise be impacted by the proposed activity, and specify if they are in an Outstanding Florida water or Aquatic Preserve:

As per the previous Florida Department of Environmental Protection (FDEP) and City of Apopka and Orange County Environmental Protection Department permit applications, the landfill footprint does not encroach into wetlands or other surface waters.
3. Attach a depiction (plan and section views), which clearly shows the works or other facilities proposed to be constructed. use multiple sheets, if necessary. use a scale sufficient to show the location and type of works.

Please refer to the half size drawing Figures C-2A through C-2H for plan, profile and detail drawings of the grading works and storm water management facilities for the interim (5-year) plan and final buildout conditions.
4. Briefly describe the proposed project (such as "construct a deck with boat shelter", "replace two existing culverts", "construct surface water management system to serve 150-acre residential development"):

Construct a reconfigured and phased storm water management system for a Class III landfill interim 5-year plan and closure plan at the Vista Landfill.
5. Specify the acreage of wetlands or other surface waters, if any, that are proposed to be disturbed, filled, excavated, or otherwise impacted by the proposed activity:

There is no wetland or other surface water impacts for the construction of the landfill and the associated storm water management system.
6. Provide a brief statement describing any proposed mitigation for impacts to wetlands and other surface waters (attach additional sheets if necessary):

Wetland mitigation is not applicable since there are no wetland impacts.

## ERP QUESTIONS AND RESPONSES

Section E: Questions I through VII

## I. Site Information

A. Provide a map(s) of the project area and vicinity delineating USDA/SCS soil types.

Please refer to Figure E-1 and Table 1 for a soil type location map of the site with the tabulated physical soil characteristics and soil and water features tables as taken from The Soil Conservation Service Soil Survey for Orange County.
B. Provide recent aerials, legible for photointerpretation with a scale of 1 inch $=400$ feet, or more detailed, with project boundaries delineated on the aerial.

Please refer to Figure E-2 for an aerial of the landfill photographed on December 12, 2009 at an approximate scale of 1" $=400$ '.
C. Identify the seasonal high water or mean high tide elevation and normal pool or mean low tide elevation for each on site wetland or surface water, including receiving waters into which runoff will be discharged. Include dates, datum, and methods used to determine these elevations.

This question is not applicable since the storm water management system will be dry retention with no surface discharge into wetlands or surface waters
D. Identify the wet season high water tables at the locations representative of the entire project site. Include dates, datum, and methods used to determine these elevations.

The wet season high water table elevations are taken from the historical water levels and records of previous permit applications as documented in the new Geotechnical Report entitled "Report on Review OF SHWT and Aquifer Parameters for Stormwater Management System Design" prepared by Devo Engineering attached in Appendix B. From the attached report, the seasonal high surficial water table elevation ranges from a high of elevation 85 to a low of elevation 60 NGVD-29. Also, the following table lists the pond bottoms and the estimated seasonal high ground water elevations at the existing and proposed pond locations as per the recommendations summarized on Table 3 on Page 7 in the attached Geotechnical Report by Devo Engineering.
Pond Bottom
Elevation
(ft-NGVD-29)

Seasonal High<br>Water Table<br>Elevation<br>(ft-NGVD-29)

I. Interim (5-Year) Plan
Temporary Pond
68.0
60.0
Interim Pond 10
84.0
79.0

Interim Pond 11
Interim Pond 12
86.0
70.062.0
II. Buildout Plan

| Pond 1 (existing) | 70.0 | 60.0 |
| :--- | :---: | :---: |
| Pond 2 (existing) | 70.0 | 60.0 |
| Pond 3 (existing) | 90.0 | 85.0 |
| Pond 4 | 82.0 | 60.0 |
| Pond 5 | 72.0 | 60.0 |
| Pond 6 | 85.0 | 67.0 |
| Pond 7 | 102.0 | 85.0 |
| Pond 8 | 92.0 | 77.0 |
| Pond 9 | 78.0 | 74.0 |
| Pond 10 | 82.0 | 79.0 |
| Pond 11 | 80.0 | 60.0 |
| Pond 12 | 71.0 | 62.0 |

## II. Environmental Considerations

A. Provide results of any wildlife surveys that have been conducted on the site, and provide any comments pertaining to the project from the Florida Game and Fresh Water Fish Commission and U. S. Fish and Wildlife Service.

Since the landfill is an existing, ongoing operation, this question is not applicable to this permit renewal.
B. Provide a description of how water quantity, quality, hydroperiod, and habitat will be maintained in on-site wetlands and other surface waters that will be preserved or will remain undisturbed.

The dry retention systems do not adversely affect the groundwater water table or the existing wetland water tables in the offsite Lake Cora wetland treatment project. The pond bottoms are all set above at a minimum of 3 feet above the average seasonal high groundwater elevations for the site.
C. Provide a narrative description of any proposed mitigation plans, including purpose, maintenance, monitoring, and construction sequence and techniques, and estimated costs.

This issue does not apply to the site since there is no wetland encroachment proposed with this modification application.
D. Describe how boundaries of wetlands or other surface waters were determined. If there has ever been a jurisdictional declaratory statement, a formal wetland determination, a formal determination, a validated informal determination, or a revalidated jurisdictional determination, provide the identifying number.

The boundary of the lone offsite created wetland (Lake Cora wetland treatment project) was determined in previous FDEP and Orange County permit applications by others and is documented in the Geotechnical Report

## by Devo Engineering (Appendix B).

## III. Plans

Provide clear detailed plans for the system including specifications, plan (overhead) views, cross sections (with the locations of the cross sections shown on the corresponding plan view), and profile (longitudinal) views of the proposed project. The plans must be signed and sealed by an appropriate registered professional as required by law. Plans must include a scale and a north arrow. These plans should show the following:
A. Project area boundary and total land area, including distances and orientation from roads or other land marks;

Please refer to the boundary and topographic survey flown and prepared by Techmap on Deember 21, 2009, located on the last page of the full-sized construction drawings in Appendix A for the previously established site dimensions and existing topography. The total land area owned for the parcel is 150.6 acres. A site aerial topographical survey was flown on December 8, 2009 by Techmap and is referenced to both McQueen and Keene Roads.
B. Existing land use and land cover (acreage and percentages); and on-site natural communities, including wetlands and other surface waters, aquatic communities, and uplands. Use the Florida Land Use Cover and Classification System (FLUCCS) (Level 3) for projects proposed in the South Florida Water Management District and use the National Wetlands Inventory (NWI) for projects proposed in the Southwest Florida Water Management District. Also identify each community with a unique identification number, which must be consistent in all exhibits.

As per the previous permit applications, the only existing (natural) community onsite that has not been altered by landfill activities are the existing pine trees on the southern half of the site (southwest corner), with a FLUCCS Code of 441, coniferous plantations. The vast majority of the site is in a state of filling and is represented as disturbed, open lands, with a FLUCCS code of 194 or storm water ponds at FLUCCS code 166. Please refer to the existing (predeveloped) FLUCCS Code map shown on Figure E-3.
C. The existing topography extending at least 100 feet off the project area, and including adjacent wetlands and other surface waters. All topography shall include the location and a description of known benchmarks, referenced to NGVD. For systems waterward of the mean high water (MHW) or seasonal high water lines, show water depths, referenced to mean low water (MLW) in tidal areas or seasonal low water in non-tidal areas, and list the range between MHW and MLW. For docking facilities, indicate the distance to, location of, and depths of the nearest navigational channel and access routes to the channel.

A digitized copy of the aerial topographical survey performed on December 21, 2009 by Techmap, is underlain on Drawings 2 through 5 of 9 and presented as a stand-alone survey on the last page of the full-size plan drawings located in Appendix A.
D. If the project is in the known flood plain of a stream or other water course, identify the flood plain boundary and approximate flooding elevations; identify the 100-year flood elevation and flood plain boundary of any lake, stream or other watercourse
located on or adjacent to the site;
As presented in previous permit applications, the site is located outside of the 100 -year floodplain. This area is designated as Flood Zone " $X$ ". This area lies outside the 100-year flood zone as per FEMA Flood Insurance Rate Map Number 12095C0120F, panel 120 of 750, of Orange County, Florida, issued September 25, 2009. Please refer to Figure E-4 for a FEMA FIRM Map of the project area.
E. The boundaries of wetlands and other surface waters within the project area. Distinguish those wetlands and other surface waters that have been delineated by any binding jurisdictional determination;

There are no wetlands or surface waters on the project site.
F. Proposed land use, land cover, and natural communities (acreage and percentages), including wetlands and other surface waters, undisturbed uplands, aquatic communities, impervious surfaces, and water management areas. Use the same classification system and community identification number used in III (B) above.

As in previous permit applications, the proposed land uses are the following: 166 - holding ponds, 834 - landfills, and 194 - open land/buffer.

The percentages of the land uses are as follows:
Stormwater ponds 36.5 acres (24\%) FLUCCS = 166
Landfill Area 103.1 acres (68\%) FLUCCS $=835$
Open Areas $\quad 11$ acres (8\%) FLUCCS = 194
Please refer to the proposed (post developed) FLUCCS Code Map shown on Figure E-5.
G. Proposed impacts to wetlands and other surface waters, and any proposed connections/outfalls to other surface waters or wetlands;

This issue is not relevant to the site.
H. Proposed buffer zones;

The City of Apopka land development requirements mandate a 100-foot no-waste setback around the perimeter of the landfill. This area is comprised of buffer landscaping and retention ponds.
I. Pre- and post-development drainage patterns and basin boundaries showing the direction of flows, including any off-site runoff being routed through or around the system; and connections between wetlands and other surface waters;

The pre-developed drainage patterns are shown on the topographic survey at the end of the construction plans. The storm water management system at the Vista Landfill is designed for total retention, with no surface discharge. The post-development drainage patterns are presented on the contributing drainage sub-basin map and final grading plans presented in Drawings 2 through 5 of 9, located in Appendix A. Please note that the drainage system is
designed as dry retention with no offsite discharge from the retention ponds for the 25-yearl 24-hour and the 100-year / 24-hour design storms.
J. Location of all water management areas with details of size, side slopes, and designed water depths;

Drawings 2, 3, and 6, located in Appendix A contain the location and dimensions of all water management facilities with design high water elevations.
K. Location and details of all water control structures, control elevations, any seasonal water level regulation schedules; and the location and description of benchmarks (minimum of one benchmark per structure);

The locations, dimensions and details of the water control structures are found on Drawings 2, 3, and 6 through 8, located in Appendix A. All elevations are referenced to National Geodetic Vertical Datum 1929 (NGVD-29).
L. Location, dimensions, and elevations of all proposed structures, including docks, seawalls, utility lines, roads, and buildings;

No additional buildings or structures are proposed in this application.
M. Location, size, and design capacity of the internal water management facilities;

The locations of the internal water management facilities are shown on Drawings 2 through 4 of 9 located in Appendix A. The revised stage-versusstorage calculations for the internal water management facilities (dry ponds) are presented on Table 2.
N. Rights-of-way and easements for the system, including all on-site and off-site areas to be reserved for water management purposes, and rights-of-way and easements for the existing drainage system, if any;

The system is privately owned and operated and no rights-of-way or drainage easements have been proposed.
O. Receiving waters or surface water management systems into which runoff from the developed site will be discharged.

Surface runoff will routed to the dry retention facilities with no surface discharge.
P. Location and details of the erosion, sediment and turbidity control measures to be implemented during each phase of construction, and all permanent control measures to be implemented in post-development conditions;

The onsite owners' contractors will be held responsible for controlling offsite siltation and siltation to the adjacent ditch systems by implementing the use silt screens adjacent to all downstream ditch and offsite locations. The contractors will be made aware that siltation of downstream water bodies must be controlled to within 29 NTU of background at all times as per State water quality standards. The grading and drainage plans call for staple
sodding of all slopes 5:1 or greater for final cover. All other areas not sodded shall be seeded and mulched. Drawing 8 of 9, located in Appendix A, shows the details of the silt fence to be located around the perimeter of the landfill areas under construction. The location of the silt fence is shown on drawings 2 and 3 of 9 located in Appendix $A$.
Q. Location, grading, design water levels, and planting details of all mitigation areas;

No mitigation areas are proposed.
R. Site grading details, including perimeter site grading;

Please refer to the revised final grading and drainage plans and detail drawings located on Drawings 1 through 9, located in Appendix A for the site grading locations and details.
S. Disposal site for any excavated material, including temporary and permanent disposal sites;

The landfill has daily, intermediate, and final cover requirements, which utilize any excess fill.
T. dewatering plan details;

No dewatering is proposed.
U. For marine facilities, locations of any sewage pumpout facilities, fueling facilities, boat repair, and maintenance facilities, and fish cleaning stations;

This issue does not apply to the site.
V. Location and description of any nearby existing off-site features which might be affected by the proposed construction or development such as stormwater management ponds, buildings, or other structures, wetlands or other surface waters.

No special offsite features were noted. The surrounding land uses are mostly rural subdivisions and agricultural industries. Please note that some of the storm water ponds (Ponds 1, 2, and 3) have been previously constructed and permitted and are currently permitted and in use.
W. For phased projects, provide a master development plan.

This is a phased project that will feature a pre-consumer vegetative waste (PVW) Organic Recycling Facility (ORF) impervious area and associated access road and stormwater management facilities for the interim 5-year plan. The 5-year plan for constructing the PVWORF is shown as the intermediate phase and associated stormwater management facilities for the 5-year buildout. Also presented is the master final buildout development plan. Storm water management facilities will continue to be constructed as the adjacent areas that are being filled are brought up to grade as per the previously issued solid waste filling sequence plans.

## IV. Construction Schedule and Techniques

Provide a construction schedule, and a description of construction techniques, sequencing, and equipment. This information should specifically include the following:
A. Method for installing any pilings or seawall slabs;

No pilings or seawalls are proposed.
B. Schedule of implementation of a temporary or permanent erosion and turbidity control measures;

Silt fences are to be implemented prior to grading activities. Permanent erosion control will be accomplished by seeding and/or sodding all slopes and disturbed areas following the completion of the filling and final site grading. Storm water runoff, from areas under construction, is routed to excavated areas adjacent to the working face, where no waste has been placed, or to a retention pond if gravity will allow.
C. For projects that involve dredging or excavation in wetlands or other surface waters, describe the method of excavation, and the type of material to be excavated.

No dredging or excavation in wetlands is proposed.
D. For projects that involve fill in wetlands or other surface waters, describe the source and type of fill material to be used. For shoreline stabilization projects that involve the installation of riprap, state how these materials are to be placed (i.e., individuality or with heavy equipment) and whether the rocks will be underlain with filter cloth;

## No wetland fill or shoreline stabilization is proposed.

E. If dewatering is required, detail the dewatering proposal including the methods that area proposed to contain the discharge, methods of isolating dewatering areas, and indicate the period dewatering structures will be in place (Note a consumptive use or water use permit may be required);

No dewatering is proposed for this project.
F. Methods for transporting equipment and materials to and from the work site. If barges are required for access, provide the low water depths and draft of the fully loaded barge; and

No special access or transportation is required.
G. Demolition plan for any existing structures to be removed.

There are no existing structures onsite to be removed.
H. Identify the schedule and party responsible for completing monitoring, record drawings, and as-built certifications for the project when completed.

The owner, Waste Management Inc. of Florida, will be responsible for providing as-built certifications to the District within 30 days of the
completion of the storm water management system. A permit renewal is required if the permit will expire prior to the completion of the storm water management system.

## V. Drainage Information

A. Provide pre- and post-development drainage calculations, signed and sealed by an appropriate registered professional, as follows:

1. Runoff characteristics, including area, runoff curve number or runoff coefficient, and time of concentration for each drainage basin;

For all of the interim and permanent ponds proposed for the Vista Landfill, please refer to Table 2 for the volume calculations, contributing drainage sub basins and curve number calculations. Please refer to table E-3 for the water quality calculations for each contributing sub-basin draining to each pond. The post-developed contributing drainage sub-basins are shown on the contributing drainage sub-basin maps on Drawings 4 and 5 of 9 located in Appendix A. All landfill and buffer areas are considered impervious and have been assigned a curve number of 98. All times of concentration were rounded up to 10 minutes.
2. Water table elevations (normal and seasonal high) including aerial extent and magnitude of any proposed water table drawdown;

As per the attached geotechnical report, the water table elevation (surficial) typically varies from elevation 85 to elevation 60 across the site. The dry retention storm water management systems are designed to provide dry retention and provide the minimum vertical separation of 3 feet between the average seasonal high water table elevation and the pond bottoms. No proposed water table draw-downs are proposed by the construction of the storm water management system. Please refer to the attached Geotechnical Report by Devo Engineering (Appendix B) for a layout of the seasonal high water table elevations across the site.
3. Receiving water elevations (normal, wet season, design storm);

The receiving water body is groundwater as there is no surface discharge designed for the retention facilities.
4. Design storms used including rainfall depth, duration, frequency, and distribution;

Since the City of Apopka has separate criteria from the Department, the systems are designed to meet both the 25-year and 100-year / 24-hour storms. The most restrictive criteria require total retention of the 100-year / 24-hour storm with a precipitation total of 10.6 inches. This controls the design. The interim and final ponds' peak stages and recovery analyses were modeled using PONDS and were designed to drawdown in 14 days or less. If the ponds did not draw down completely in 14 days (Ponds 3 and 9), a second 100-year storm was routed to the retention area after 14 days. Both Ponds 3 and 9 hold a second consecutive 100-year / 24-hour storm. The PONDS software package was utilized for routing and the recovery analysis. The Orange County distribution for the 100-year /24-
hour storm served as the model input storm. The 100-year / 24-hour routing and recovery calculation results for all of the ponds are located in Appendix C, along with the recovery analysis. The Advanced Interconnected Channel and Pond Routing software (AdICPR) was utilized for modeling the conveyance system for the 100-year / 24-hour storm. Please refer to Appendix D for the AdICPR conveyance system modeling and node-link modeling schematics for the 100-year / 24-hour storm.
5. Runoff hydrograph(s) for each drainage basin, for all required design storm event(s);

Please refer to Appendix C for the PONDS hydraulic routing and infiltration recovery modeling results. Included is an input report and output summary and detail reports of results (peak stage and infiltration volumes and recovery times) for each pond using the PONDS software. The PONDS modeling results include peak stage and recovery times and are summarized on Table 4.
6. Stage-storage computations for any area such as a reservoir, close basin, detention area, or channel, used in storage routing;

Stage-area-storage computations for all ponds in the interim and buildout plan are presented in the volume calculation in Table 2.
7. Stage-discharge computations for any storage areas at a selected control point, such as control structure or natural restriction;

The contributing drainage areas are routed directly to the respective receiving pond. Ponds 4 and 10 have discharges to the respective downstream ponds (Pond 5 and Pond 9, respectively). The PONDS software calculates the flow rates out of each pond, and the overflow discharge is then imported into the downstream pond as an inflow node. Please refer to the PONDS results in Appendix C for the overflow weir lengths, elevations and discharge rates. The weir overflow lengths correspond to the type " $D$ " overflow structures.
8. Flood routings through on-site conveyance and storage areas;

Please refer to Appendix C for the PONDS routing calculations for the storage areas (dry ponds) for the interim and buildout designs with infiltration for peak stages and volume recovery draw down times. Onsite conveyance calculations for the new terraces and down comer structures are found in Appendix D utilizing the AdICPR software and neglecting infiltration.
9. Water surface profiles in the primary drainage system for each required design storm event(s);

Please refer to the PONDS output summary report located in Appendix C for the peak stages in the new stormwater ponds for the 100-year / 24hour event. The peak stages for the 100-year /24-hour event in the new ponds are summarized in Table 4 and are also shown on the new pond cross-sections and details located on Drawings 6 through 8 located in Appendix A. Please note Ponds 1 through 3 are already permitted and
constructed.
10. Runoff peak rates and volumes discharged from the system for each required design storm event(s); and

Runoff is totally contained within the system and does not discharge offsite. The total runoff volume for each drainage basin is found in the PONDS summary output report, located in Appendix C.
11. Tail water history and justification (time and elevation);

Since there is no surface discharge, tail water is not applicable to this design.
12. Pump specifications and operating curves for range of possible operating conditions (if used in system).

There are no pumps proposed in the system.
B. Provide the results of any percolation tests, where appropriate, and soil borings that are representative of the actual site conditions;

The soil boring results and summary of water well data is presented in the Geotechnical Report performed by Devo Engineering in Appendix B. The seasonal high, top of aquifer, horizontal saturated and vertical unsaturated conductivities and porosity and confining layer elevations are all defined on Table 3 on Page 7 of the report for the entire site. The values shown and utilized have already been incorporated with a safety factor of 2 as a minimum. A porosity of $20 \%$ is utilized for the site as well as a horizontal saturated conductivity of 15 feet/day and a vertical unsaturated conductivity of 5 feet per day for all of the ponds onsite, existing and proposed. The base of aquifer and seasonal high are taken directly from Table 3 in the attached geotechnical report.
C. Provide the acreage, and percentages of the total project, of the following:

1. impervious surfaces, excluding wetlands,

The landfill will be covered with 18" of protective cover and 6" of topsoil overlain with sod, but for simplicity, the final cover is all considered impervious. The impervious area is the sum of the stabilized roadways and closed landfill areas and buffer areas and totals 117.4 acres (78\%).
2. pervious surfaces (green areas, not including wetlands),

The total amount of pervious green areas not including the landfill area and not including the dry ponds is approximately 11 acres. This equates to 7.3\% of the total site area.
3. lakes, canals, retention areas, other open water areas,

The total of the retention areas is estimated at 22.2 acres or $14.7 \%$ of the total site area.
4. wetlands.

There are no wetlands onsite (0\%).
D. Provide an engineering analysis of floodplain storage and conveyance (if applicable), including:

1. Hydraulic calculations for all proposed traversing works;

There is no floodplain encroachment or traversing works.
2. Backwater water surface profiles showing upstream impact of traversing works;

There are no adverse upstream impacts as a result of the storm water system and no traversing works.
3. Location and volume of encroachment within regulated floodplain(s); and

There are no regulatory floodways within the project area. No encroachment into this area has been proposed.
4. Plan for compensating floodplain storage, if necessary, and calculations required for determining minimum building and road flood elevations.

There is no lost floodplain volume due to the project. No filling is proposed in Zone " $A$ " (100 year floodplain). The site is located totally within flood zone " $X$ " (out of the 100-year floodplain).
E. Provide an analysis of the water quality treatment system including:

1. A description of the proposed storm water treatment methodology that addresses the type of treatment, pollution abatement volumes, and recovery analysis; and

The storm water treatment methodology will be dry retention with total retention with recovery by percolation. Total retention of the 100-year / 24-hour storm with a rainfall depth of 10.6 inches easily satisfies both the St. Johns River Water Management criteria for the FDEP and the City of Apopka criteria for water quality. The system provides for over 10 inches of water quality treatment without discharge offsite. This performance exceeds the most restrictive criteria. All of the existing ponds (1 through 3) currently draw down with no signs of appreciable standing water following a storm event or nuisance wetland indicators. The new ponds have been modeled for routing and recovery of the treatment volumes within 72 hours after the storm event as per the FDEP criteria. All ponds totally recover the storage volumes within 14 days except for Ponds 3 and 9, which contained a second consecutive 100-year event with over a foot of freeboard after the 14-day drawdown period.
2. Construction plans and calculations that address stage-storage and design elevations, which demonstrate compliance with the appropriate water quality treatment criteria.


#### Abstract

A quick inspection of the Ponds input and output reports in Appendix C, the volume calculations in Table 2 and the water quality calculations in Table 3 verifies that the minimum treatment volumes are provided and exceeded. The results indicate that the required treatment volume for each basin is contained in each pond and infiltrated within 72 hours after the storm event. Also, the results demonstrate that all water from the basins is percolated onsite with no offsite discharge. Therefore, there can be no water quality violations to surface waters at the site as there is no surface discharge flowing offsite.


F. Provide a description of the engineering methodology, assumptions and references for the parameters listed above, and a copy of all such computations, engineering plans, and specifications used to analyze the system. If a computer program is used for the analysis, provide the name of the program, a description of the program, input and output data, two diskette copies, if available, and justification for model selection.

The PONDS software package was utilized for routing and the recovery analysis of the dry ponds. A copy of the electronic input files is available upon request. Aquifer properties were taken from current Geotechnical Report performed last June by Devo Engineering Overflow weirs in the PONDS program simulate an FDOT type " $D$ " drop inlet with a weir coefficient "c" value of 3.1.

## VI. Operation and Maintenance and Legal Documentation

A. Describe the overall maintenance and operation schedule for the proposed system.

Periodic monthly inspections or inspections after heavy rainfall events should be performed on the flumes, swales, inlets and down comer pipes. The system is self-operating and will not require extensive maintenance. All eroded areas shall be seeded and mulched and returned to design grades. All trash and blockages shall be cleaned and removed. All erosion or siltation shall be repaired and stabilized back to design elevations and dimensions. The swale slopes shall be mowed periodically to prevent overgrowth. This follows the guidelines of the previously submitted applications and is shown on the construction plans details in Appendix A.
B. Identify the entity that will be responsible for operating and maintaining the system in perpetuity if different than the permittee, a draft document enumerating the enforceable affirmative obligations on the entity to properly operate and maintain the system for its expected life, and documentation of the entity's financial responsibility for long-term maintenance. If the proposed operation and maintenance entity is not a property owner's association, provide proof of the existence of an entity, or the future acceptance of the system by an entity which will operate and maintain the system. If a property owner's association is the proposed operation and maintenance entity, provide copies of the articles of incorporation for the association and copies of the declaration, restrictive covenants, deed restrictions, or other operational documents that assign responsibility for the operation and maintenance of the system. Provide information ensuring the continued adequate access to the system for maintenance purposes. Before transfer of the system to the operating entity will be approved, the permittee must document that the transferee will be bound by all terms and conditions of the permit.

Waste Management Inc. of Florida will continue to be the entity responsible for operation and maintenance for the storm water management system.
C. Provide copies of all proposed conservation easements, storm water management system easements, property owner's association documents, and plats for the property containing the proposed system.

No conservation easements or homeowners associations are proposed or required.
D. Provide indication of how water and wastewater service will be supplied. Letters of commitment from off-site suppliers must be included.

No new water or wastewater demands are created by this closure application.
E. Provide a copy of the boundary survey and/or legal description and acreage of the total land area of contiguous property owned/controlled by the applicant.

A copy of the topographic survey is located at the end of the construction plans in Appendix A. The boundary survey and associated legal description have been previously established by others in previous permit applications and is reproduced on the topographic survey and the grading plans.
VII. Water Use
A. Will the surface water system be used for water supply, including landscape irrigation, or recreation.

No withdrawals from surface waters are proposed.
B. If a Consumptive Use or Water Use permit has been issued for the project, state the permit number.

No consumptive use permit has been required or applied for on behalf of the applicant.
C. If no Consumptive Use or Water Use permit has been issued for the project, indicate if such a permit will be required and when the application for a permit will be submitted.

No consumptive water use is required.
D. Indicate how any existing wells located within the project site will be utilized or abandoned.

The existing monitoring wells will remain as previously permitted.

Tables

| Table 1Physical Properties of the Soils and Soil and Water Features |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Map Symbol I Soil Name | Depth (Inches) | Permeability (Inches Per Hour) | Hydrologic Group | Flooding Frequency | High Water Table Depth (Feet) |
| 4- Candler Fine Sand (0-5\% slopes) | 0-80 | 6.0-20 | A | None | >6 |
| 5- Candler Fine Sand (5-12\% slopes) | 0-80 | 6.0-20 | A | None | >6 |
| 6- Candler/ Apopka Fine Sand | 0-80 | 6.0-20 | A | None | >6 |
| 46- Tavares Fine Sand | 0-80 | >6 | A | None | 3.5-6 |
| 47 - Taveres/ Millhopper Fine Sand | $\begin{gathered} 0-80 \\ 0-64 \\ 64-76 \\ 76-80 \\ \hline \end{gathered}$ | $\begin{gathered} >6 \\ 6.0-20 \\ 2.0-6.0 \\ 0.06-2.0 \\ \hline \end{gathered}$ | $\begin{aligned} & \text { A } \\ & \text { A } \end{aligned}$ | None None | $\begin{aligned} & 3.5-6 \\ & 3.5-6 \end{aligned}$ |

## Table 2. Drainage Basin, Curve Number and Volume Calculations

## A. Interim Storm water Management Plan

I. Temp Pond:
a) Temporary Pond - Contributing Drainage Areas

| Sub Basin |  | Area |  |
| :--- | :--- | :--- | :--- |
| DA -1 |  | CN |  |
| DA-2 | $\underline{4.53}$ | ac | 98 |
| Total | $\mathbf{9 . 5 5}$ | ac | 98 |
|  |  |  |  |

b) Temp Pond - Volume Calculations

| Stage | Area (ft^2) | Area (Ac) | Inc <br> Volume | Cumul <br> Volume |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 68 | 2,309 | 0.05 | -- | -- |
| 70 | 10,045 | 0.23 | 0.28 | 0.28 |
| 72 | 44,083 | 1.01 | 1.24 | 1.53 |
| 74 | 72,310 | 1.66 | 2.67 | 4.20 |
| 76 | 89,298 | 2.05 | 3.71 | 7.91 |
| 78 | 102,148 | 2.35 | 4.40 | 12.30 |
| 80 | 112,559 | 2.58 | 4.93 | 17.23 |
| 82 | 122,578 | 2.81 | 5.40 | 22.63 |

II. Interim Pond 10:
a) Interim Pond 10-Contributing Drainage Areas

| Sub Basin |  | Area |
| :--- | :--- | :--- |
| DA -10 | 8.4 | ac |

b) Interim Pond 10-Volume Calculations

| Stage | Area (ft^2) | Area (Ac) | Inc <br> Volume | Cumul <br> Volume |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 84 | 8,712 |  | 0.20 | - | - |
| 85 | 11,326 | 0.26 | 0.23 | 0.23 |  |
| 86 | 15,682 | 0.36 | 0.31 | 0.54 |  |
| 87 | 19,166 | 0.44 | 0.40 | 0.94 |  |
| 88 | 23,087 | 0.53 | 0.49 | 1.43 |  |
| 89 | 27,007 | 0.62 | 0.58 | 2.00 |  |
| 90 | 30,928 | 0.71 | 0.67 | 2.67 |  |
| 91 | 34,848 | 0.80 | 0.76 | 3.42 |  |
| 92 | 39,204 | 0.90 | 0.85 | 4.27 |  |

## III. Interim Pond 11:

a) Interim Pond 11-Contributing Drainage Areas

| Sub Basin | Area |
| :--- | :--- |
| -11 | 2.54 |
|  | ac |

b) Interim Pond 11 - Volume Calculations

| Stage | Area (ft^2) | Area (Ac) | Inc <br> Volume | Cumul <br> Volume |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |
| 86 | 14,070 | 0.32 | -- | -- |
| 87 | 21,693 | 0.50 | 0.41 | 0.41 |
| 88 | 29,403 | 0.68 | 0.59 | 1.00 |
| 89 | 37,200 | 0.85 | 0.76 | 1.76 |
| 90 | 44,997 | 1.03 | 0.94 | 2.71 |
| 91 | 53,143 | 1.22 | 1.13 | 3.83 |
| 92 | 61,420 | 1.41 | 1.32 | 5.15 |

## IV. Interim Pond 12:

a) Interim Pond 12-Contributing Drainage Areas
$\begin{array}{ll}\text { Sub Basin } & \text { Area } \\ \text { DA }-11 & 6.75\end{array}$ ac $\quad \frac{\text { CN }}{98}$
b) Interim Pond 12 - Volume Calculations

| Stage | Area (ft^2) | Area (Ac) | Inc <br> Volume | Cumul <br> Volume |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 70 | 21,649 | 0.50 | -- | -- |
| 71 | 23,871 | 0.55 | 0.52 | 0.52 |
| 72 | 26,136 | 0.60 | 0.57 | 1.10 |
| 73 | 28,445 | 0.65 | 0.63 | 1.72 |
| 74 | 30,840 | 0.71 | 0.68 | 2.40 |
| 75 | 33,323 | 0.77 | 0.74 | 3.14 |
| 76 | 35,850 | 0.82 | 0.79 | 3.93 |
| 77 | 38,420 | 0.88 | 0.85 | 4.79 |
| 78 | 41,077 | 0.94 | 0.91 | 5.70 |
| 79 | 43,821 | 1.01 | 0.97 | 6.67 |

## B. Buildout Storm Water Management Plan

I. Pond 1:
a) Pond 1 - Contributing Drainage Areas

| Sub Basin |  | Area |  |
| :---: | :---: | :---: | :---: |
|  | ac | CN |  |
| DA 1A | 3.39 | ac | 98 |
| DA 1B | 1.52 | ac | 98 |
| DA 1C1 | 0.85 | ac | 98 |
| DA 1C2 | 1.22 | ac | 98 |
| DA 1C3 | 0.33 | ac | 98 |
| DA 1D1-A | 1.61 | ac | 98 |
| DA 1D1-B | 1.51 | ac | 98 |
| DA 1D2-A | 0.59 | ac | 98 |
| DA 1D2-B | 2.12 | ac | 98 |

Total $\quad 13.14$ ac
b) Pond 1 - Volume Calculations

| Stage | Area (ft^2) |  |  | Inc <br> Area (Ac) | Cumul <br> Volume |
| :---: | :---: | :---: | :---: | :---: | :---: | | Volume |
| :---: | :---: | :---: | :---: | :---: |

II. Pond 2:
a) Pond 2 - Contributing Drainage Areas

| Sub Basin |  | Area |  |
| :---: | :---: | :---: | :---: |
|  | CN | CN |  |
| DA 2A | 6.63 | ac | 98 |
| DA 2B1 | 1.12 | ac | 98 |
| DA 2B2 | 1.08 | ac | 98 |
| DA 2C1-A | 2.19 | ac | 98 |
| DA 2C1-B | 0.87 | ac | 98 |
| DA 2C2 | 1.86 | ac | 98 |
| DA 2D1 | 1.94 | ac | 98 |
| DA 2D2-A | 1.81 | ac | 98 |
| DA 2D2-B | 1.51 | ac | 98 |

Total $\quad 19.01$ ac
b) Pond 2 - Volume Calculations

| Stage | Area (ft^2) | Area (Ac) | Inc Volume | Cumul <br> Volume |
| :---: | :---: | :---: | :---: | :---: |
| 70 | 84,156 | 1.93 | -- | -- |
| 72 | 93,884 | 2.16 | 4.09 | 4.09 |
| 74 | 106,712 | 2.45 | 4.61 | 8.69 |
| 76 | 117,669 | 2.70 | 5.15 | 13.84 |
| 78 | 128,837 | 2.96 | 5.66 | 19.50 |
| 80 | 140,115 | 3.22 | 6.17 | 25.68 |
| 82 | 151,383 | 3.47 | 6.69 | 32.36 |
| 84 | 162,959 | 3.74 | 7.21 | 39.57 |

III. Pond 3:
a) Pond 3-Contributing Drainage Areas

| Sub Basin |  | Area |  | CN |
| :---: | :---: | :---: | :---: | :---: |
| DA 3A | 5.52 | ac | 98 |  |
| DA 3B-1 | 1.12 | ac | 98 |  |
| DA3B-2 | 0.42 | ac | 98 |  |
| DA 3C | 1.31 | ac | 98 |  |
| Total | $\mathbf{8 . 3 7} \mathbf{~ a c}$ |  |  |  |

b) Pond 3 - Volume Calculations

| Stage | Area (ft^2) | Area (Ac) | Inc <br> Volume | Cumul <br> Volume |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 90 | 69,811 | 1.60 |  |  |  |
| 92 | 76,737 | 1.76 |  | --36 | -- |
| 94 | 86,753 | 1.99 | 3.75 | 7.12 |  |
| 96 | 96,067 | 2.21 | 4.20 | 11.31 |  |
| 98 | 103,989 | 2.39 | 4.59 | 15.91 |  |
| 100 | 111,923 | 2.57 | 4.96 | 20.86 |  |
| 102 | 120,025 | 2.76 | 5.32 | 26.19 |  |

IV. Pond 4:
a) Pond 4-Contributing Drainage Areas

| Sub Basin |  | Area |  | CN |
| :---: | :---: | :---: | :---: | :---: |
| DA 4A |  | 1.77 | ac | 98 |
| DA 4B |  | 1.34 | ac | 98 |
| DA 4C1 | 0.58 | ac | 98 |  |
| DA 4C2 | 0.9 | ac | 98 |  |
| DA 4D1 | 0.64 | ac | 98 |  |
| DA 4D2-A | 0.11 | ac | 98 |  |
| DA 4D2-B | 2.26 | ac | 98 |  |

Totals $\quad 7.6$ ac
b)

Pond 4 - Volume Calculations

| Stage | Area (ft^2) | Area (Ac) | Inc <br> Volume | Cumul <br> Volume |
| :--- | :---: | :---: | :---: | :---: | :---: |
| 82 | 1,630 | 0.04 |  |  |
| 83 | 2,794 | 0.06 | 0.05 | -- |
| 84 | 4,211 | 0.10 | 0.08 | 0.13 |
| 85 | 5,882 | 0.14 | 0.12 | 0.25 |
| 86 | 7,807 | 0.18 | 0.16 | 0.40 |
| 87 | 9,987 | 0.23 | 0.20 | 0.61 |
| 88 | 12,733 | 0.29 | 0.26 | 0.87 |
| 89 | 15,622 | 0.36 | 0.33 | 1.19 |
| 90 | 19,576 | 0.45 | 0.40 | 1.60 |
| 91 | 23,217 | 0.53 | 0.49 | 2.09 |
| 92 | 26,917 | 0.62 | 0.58 | 2.67 |
| 93 | 30,678 | 0.70 | 0.66 | 3.33 |
| 94 | 34,497 | 0.79 | 0.75 | 4.07 |
| 95 | 38,360 | 0.88 | 0.84 | 4.91 |

V. Pond 5:
a) Pond 5-Contributing Areas

| Sub Basin | Area |  |  |
| :--- | :---: | :---: | :---: |
| DA 5A |  | CN |  |
| DA 5B1 | 3.18 ac | 98 |  |
| DA 5B2 | 0.84 ac | 98 |  |
| DA 5B3 | 0.22 ac | 98 |  |
| DA 5B4 | 1.64 ac | 98 |  |
| DA 5C1 | 0.47 ac | 98 |  |
| DA 5C2 | 0.98 ac | 98 |  |
| DA 5C3 | 0.86 ac | 98 |  |
| DA 5C4 | 1.92 ac | 98 |  |
| DA 5D1-A | 0.91 ac | 98 |  |
| DA 5D1-B | 1.79 ac | 98 |  |
| DA 5D2-A | 2.47 | 98 |  |
| DA 5D2-B | 2.61 | 98 |  |

Totals $\quad 19.89$ ac
b) Pond 5 - Volume Calculations

| Stage | Area (ft^2) | Area (Ac) | Inc <br> Volume | Cumul <br> Volume |
| :---: | :---: | :---: | :---: | :---: |
| 72 | 2,164 | 0.05 |  |  |
| 73 | 3,355 | 0.08 | 0.06 | -- |
| 74 | 4,642 | 0.11 | 0.09 | 0.16 |
| 75 | 13,392 | 0.31 | 0.21 | 0.36 |
| 76 | 19,967 | 0.46 | 0.38 | 0.75 |
| 77 | 28,370 | 0.65 | 0.55 | 1.30 |
| 78 | 35,492 | 0.81 | 0.73 | 2.03 |
| 79 | 42,667 | 0.98 | 0.90 | 2.93 |
| 80 | 49,897 | 1.15 | 1.06 | 3.99 |
| 81 | 57,180 | 1.31 | 1.23 | 5.22 |
| 82 | 64,518 | 1.48 | 1.40 | 6.62 |


| 83 | 71,910 | 1.65 | 1.57 | 8.18 |
| :---: | :---: | :---: | :---: | :---: |
| 84 | 79,356 | 1.82 | 1.74 | 9.92 |
| 85 | 86,856 | 1.99 | 1.91 | 11.83 |
| 86 | 94,410 | 2.17 | 2.08 | 13.91 |
| 87 | 102,018 | 2.34 | 2.25 | 16.16 |

VI. Pond 6:
a) Pond 6-Contributing Areas

| Sub Basin | Area |  |  |
| :--- | :--- | :--- | :--- |
|  | 1.2 ac | CN |  |
| DA 6B | 1.5 ac | 98 |  |
|  |  | 98 |  |
| Totals | $\mathbf{2 . 7} \mathbf{~ a c}$ |  |  |

b) Pond 6-Volume Calculations:

| Stage | Area (ft^2) | Area (Ac) | Inc <br> Volume | Cumul <br> Volume |
| :---: | :---: | :---: | :---: | :---: |
| 85 | 3,534 | 0.08 |  |  |
| 86 | 4,822 | 0.11 | 0.10 | -- |
| 87 | 6,279 | 0.14 | 0.13 | 0.22 |
| 88 | 7,905 | 0.18 | 0.16 | 0.39 |
| 89 | 9,700 | 0.22 | 0.20 | 0.59 |
| 90 | 11,665 | 0.27 | 0.25 | 0.83 |
| 91 | 13,798 | 0.32 | 0.29 | 1.13 |
| 92 | 16,314 | 0.37 | 0.35 | 1.47 |
| 93 | 18,554 | 0.43 | 0.40 | 1.87 |
| 94 | 20,848 | 0.48 | 0.45 | 2.32 |

VII. Pond 7:
a) Pond 7 - Contributing Areas

| Sub Basin | Area |  |  |
| :--- | :--- | :--- | :--- |
| DA 7A | 3.03 ac | CN |  |
| DA 7B1 | 1.49 ac | 98 |  |
| DA 7B2 | 0.81 ac | 98 |  |
| DA 7C1-A | 2.36 | 98 |  |
| DA 7C1-B | 1.65 | 98 |  |
| DA 7C2 | 1.21 ac | 98 |  |
|  |  | 98 |  |
| Totals | $\mathbf{1 0 . 5 5} \mathbf{~ a c}$ |  |  |

b)

Pond 7 - Volume Calculations

| Stage | Area (ft^2) | Area (Ac) | Inc <br> Volume | Cumul <br> Volume |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 102 | 32,159 |  | 0.74 |  |  |
| 103 | 37,728 |  | -87 | -- |  |
| 104 | 43,348 | 1.00 | 0.80 | 0.80 |  |
| 105 | 49,019 | 1.13 | 1.06 | 1.73 |  |
| 106 | 54,742 | 1.26 | 1.19 | 3.99 |  |
| 107 | 60,516 | 1.39 | 1.32 | 5.31 |  |
| 108 | 66,341 | 1.52 | 1.46 | 6.76 |  |
| 109 | 72,218 | 1.66 | 1.59 | 8.35 |  |
| 110 | 78,146 | 1.79 | 1.73 | 10.08 |  |
| 111 | 84,125 | 1.93 | 1.86 | 11.94 |  |
| 112 | 90,155 | 2.07 | 2.00 | 13.94 |  |

VIII. Pond 8:
a) Pond 8 - Contributing Areas

| Sub Basin |  | Area |  | CN |
| :--- | :---: | :---: | :---: | :---: |
|  | DA 8A | 1.9 | ac |  |
| DA 8B |  | 1.84 | ac | 98 |
| DA 8C | 2.48 | ac | 98 |  |
|  |  |  | 98 |  |
| Totals | $\mathbf{6 . 2 2} \mathbf{~ a c}$ |  |  |  |

b) Pond 8 - Volume Calculations

| Stage | Area (ft^2) | Area (Ac) | Inc <br> Volume | Cumul <br> Volume |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |
| 92 | 20,531 | 0.47 | -- | -- |
| 93 | 23,895 | 0.55 | 0.51 | 0.51 |
| 94 | 27,315 | 0.63 | 0.59 | 1.10 |
| 95 | 30,791 | 0.71 | 0.67 | 1.76 |
| 96 | 34,323 | 0.79 | 0.75 | 2.51 |
| 97 | 37,912 | 0.87 | 0.83 | 3.34 |
| 98 | 41,556 | 0.95 | 0.91 | 4.25 |
| 99 | 45,256 | 1.04 | 1.00 | 5.25 |
| 100 | 49,013 | 1.13 | 1.08 | 6.33 |

IX. Pond 9:
a) Pond 9-Contributing Areas

| Sub Basin | Area | CN |
| :--- | :---: | :---: |
| DA 9A | 3.01 ac | 98 |
| DA 9B1 | 0.79 ac | 98 |
| DA 9B2 | 2.47 ac | 98 |
| DA 9C1 | 0.51 ac | 98 |
| DA 9C2 | 1.01 ac | 98 |
| DA 9D1-A | 1.86 | 98 |
| DA 9D1-B | 1.49 ac | 98 |
|  |  |  |

b) Pond 9 - Volume Calculations

| Stage | Area (ft^2) | Area (Ac) | Inc <br> Volume | Cumul <br> Volume |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 78 | 33,272 | 0.76 | - | -- |
| 79 | 39,218 | 0.90 | 0.83 | 0.83 |
| 80 | 45,222 | 1.04 | 0.97 | 1.80 |
| 81 | 51,283 | 1.18 | 1.11 | 2.91 |
| 82 | 57,402 | 1.32 | 1.25 | 4.16 |
| 83 | 63,579 | 1.46 | 1.39 | 5.55 |
| 84 | 69,813 | 1.60 | 1.53 | 7.08 |
| 85 | 76,106 | 1.75 | 1.67 | 8.75 |
| 86 | 82,455 | 1.89 | 1.82 | 10.57 |
| 87 | 88,863 | 2.04 | 1.97 | 12.54 |
| 88 | 95,328 | 2.19 | 2.11 | 14.65 |
| 89 | 101,850 | 2.34 | 2.26 | 16.92 |
| 90 | 108,431 | 2.49 | 2.41 | 19.33 |

X. Pond 10:
a) Pond 10 - Contributing Areas

| Sub Basin | Area |  |  |
| :--- | :--- | :--- | :--- |
| DA 10A | 1.71 ac | CN |  |
| DA 10B1 | 1.22 ac | 98 |  |
| DA 10B2 | 1.01 ac | 98 |  |
| DA 10C1-A | 1.79 | 98 |  |
| DA 10C1-B | 2.75 ac | 98 |  |
| Totals | $\mathbf{8 . 4 8} \mathbf{~ a c}$ | 98 |  |

b) Pond 10-Volume Calculations

| Stage | Area (ft^2) | Area (Ac) | Inc <br> Volume | Cumul <br> Volume |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |
| 82 | 5,763 | 0.13 | -- | -- |
| 83 | 7,460 | 0.17 | 0.15 | 0.15 |
| 84 | 9,361 | 0.21 | 0.19 | 0.34 |
| 85 | 13,412 | 0.31 | 0.26 | 0.61 |
| 86 | 16,409 | 0.38 | 0.34 | 0.95 |
| 87 | 19,461 | 0.45 | 0.41 | 1.36 |
| 88 | 22,569 | 0.52 | 0.48 | 1.84 |
| 89 | 25,733 | 0.59 | 0.55 | 2.40 |
| 90 | 28,952 | 0.66 | 0.63 | 3.02 |
| 91 | 32,227 | 0.74 | 0.70 | 3.73 |
| 92 | 35,558 | 0.82 | 0.78 | 4.51 |

## XI. Pond 11:

a) Pond 11-Contributing Areas

| Sub Basin | Area | CN |
| :--- | ---: | :--- |
| DA 11A | 3.13 ac | 98 |
| DA 11B1 | 2.1 ac | 98 |
| DA 11B2 | 1.27 ac | 98 |
| DA 11C1 | 1.35 ac | 98 |
| DA 11C2 | 2.12 ac | 98 |
| DA 11D1-A | 3.11 | 98 |
| DA 11D1-B | 2.76 ac | 98 |
|  |  |  |

b) Pond 11 - Volume Calculations

| Stage | Area (ft^2) | Area (Ac) | Inc <br> Volume | Cumul <br> Volume |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |
| 80 | 29,903 | 0.69 |  | -- | -- |
| 81 | 35,336 | 0.81 |  | 0.75 | 0.75 |
| 82 | 40,830 | 0.94 |  | 0.87 | 1.62 |
| 83 | 46,385 | 1.06 | 1.00 | 2.62 |  |
| 84 | 52,001 | 1.19 | 1.13 | 3.75 |  |
| 85 | 57,678 | 1.32 | 1.26 | 5.01 |  |
| 86 | 63,416 | 1.46 |  | 1.39 | 6.40 |
| 87 | 69,215 | 1.59 |  | 1.52 | 7.92 |
| 88 | 75,047 | 1.72 | 1.66 | 9.58 |  |
| 89 | 80,995 | 1.86 |  | 1.79 | 11.37 |
| 90 | 86,976 | 2.00 | 1.93 | 13.30 |  |
| 91 | 93,019 | 2.13 | 2.06 | 15.36 |  |

XII. Pond 12:
a) Pond 12-Contributing Areas

| Sub Basin | Area | CN |
| :--- | ---: | :--- |
| DA 12A | 3.4 ac | 98 |
| DA 12B1 | 0.97 ac | 98 |
| DA 12B2 | 2.32 ac | 98 |
| DA 12B3 | 0.8 ac | 98 |
| DA 12C1 | 1.09 ac | 98 |
| DA 12C2 | 0.73 ac | 98 |
| DA 12C3-A | 1.84 ac | 98 |
| DA 12C3-B | 0.4 | 98 |
| DA 12C4 | 0.36 ac | 98 |
| DA 12C5 | 0.62 ac | 98 |
| DA 12D1-A | 1.59 ac | 98 |
| DA 12D1-B | 0.91 | 98 |
| DA 12 D2 | 0.51 | 98 |
| DA 12D3 | 2.07 ac | 98 |
|  |  |  |

b) Pond 12 - Volume Calculations

| Stage | $\underline{\text { Area (ft^2) }}$ | $\underline{\text { Area (Ac) }}$ | Inc <br> Volume | Cumul <br> Volume |
| :--- | :---: | :---: | :---: | :---: |
|  |  |  |  |  |
| 71 | 44,588 | 1.02 | - | - |
| 72 | 50,686 | 1.16 | 1.09 | 1.09 |
| 73 | 56,884 | 1.31 | 1.23 | 2.33 |
| 74 | 63,182 | 1.45 | 1.38 | 3.71 |
| 75 | 69,580 | 1.60 | 1.52 | 5.23 |
| 76 | 76,078 | 1.75 | 1.67 | 6.90 |
| 77 | 82,675 | 1.90 | 1.82 | 8.72 |
| 78 | 89,373 | 2.05 | 1.97 | 10.70 |
| 79 | 96,171 | 2.21 | 2.13 | 12.83 |

## Table 3. Water Quality Calculations

## I. Water Quality Calculations:

St Johns River Water Management District water quality criteria requires the greater of 1" of runoff over the drainage area or 1.75 " of runoff from the impervious area:

## A. Interim Plan:

## 1. Temporary Pond

Total Contributing Basin Area $=415,998 \mathrm{ft}^{2} \quad(9.55 \mathrm{ac}) \quad$ (from Table 2)
a) One Inch of runoff over the drainage basin:

Required Treatment Volume $=415,998 \mathrm{ft}^{2} \mathrm{x}(1 / 12) \mathrm{ft}=34,667 \mathrm{ft}^{3}$
b) 1.75 inches of runoff from the impervious area:

Impervious Area: 415,998 ft ${ }^{2}$
Required Treatment Volume $=415,998 \mathrm{ft}^{2} \times(1.75 / 12) \mathrm{ft}=60,666 \mathrm{ft}^{3}$
Treatment Volume of $\mathbf{6 0 , 6 6 6} \mathrm{ft}^{3}$ dominates
( $985,762 \mathrm{ft} \wedge 3$ provided at elev 82)
Volume Infiltrated in 72 Hours $=\mathbf{3 5 9 , 2 7 8 ~ f t} \wedge 3$
(see Appendix C)

## 2. Interim Pond 10:

Total Contributing Basin Area $=365,904 \mathrm{ft}^{2} \quad(8.40 \mathrm{ac}) \quad$ (from Table 2)
a) One Inch of runoff over the drainage basin:

Required Treatment Volume $=365,904 \mathrm{ft}^{2} \times(1 / 12) \mathrm{ft}=30,492 \mathrm{ft}^{3}$
b) 1.75 inches of runoff from the impervious area:

Impervious Area: $365,904 \mathrm{ft}^{2}$
Required Treatment Volume $=365,904 \mathrm{ft}^{2} \times(1.75 / 12) \mathrm{ft}=53,361 \mathrm{ft}^{3}$
Treatment Volume of $53,361 \mathrm{ft}^{3}$ dominates
( $132,640 \mathrm{ft}^{\wedge} 3$ provided at elev 90.5 )
Volume Infiltrated in 72 Hours $=175,961 \mathrm{ft} \wedge 3$ (see Appendix C)

## 3. Interim Pond 11:

Total Contributing Basin Area $=110,642 \mathrm{ft}^{2} \quad(2.54 \mathrm{ac}) \quad$ (from Table 2)
a) One Inch of runoff over the drainage basin:

Required Treatment Volume $=110,642 \mathrm{ft}^{2} \times(1 / 12) \mathrm{ft}=9,220 \mathrm{ft}^{3}$
b) 1.75 inches of runoff from the impervious area:

Impervious Area: 110,642 $\mathrm{ft}^{2}$
Required Treatment Volume $=110,642 \mathrm{ft}^{2} \times(1.75 / 12) \mathrm{ft}=16,135 \mathrm{ft}^{3}$
Treatment Volume of $16,135 \mathrm{ft}^{3}$ dominates
(224,334 ft^3 provided at elev 92)
Volume Infiltrated in 72 Hours $=196,358 \mathrm{ft}^{\wedge} 3$ (see Appendix C)

## 4. Interim Pond 12:

Total Contributing Basin Area $=294,030 \mathrm{ft}^{2} \quad(6.75 \mathrm{ac}) \quad$ (from Table 2)
a) One Inch of runoff over the drainage basin:

Required Treatment Volume $=294,030 \mathrm{ft}^{2} \times(1 / 12) \mathrm{ft}=24,502 \mathrm{ft}^{3}$
b) 1.75 inches of runoff from the impervious area:

Impervious Area: 294,030 $\mathrm{ft}^{2}$
Required Treatment Volume $=294,030 \mathrm{ft}^{2} \times(1.75 / 12) \mathrm{ft}=42,879 \mathrm{ft}^{3}$
Treatment Volume of $42,879 \mathrm{ft}^{3}$ dominates
(290,545 ft^3 provided at elev 79)
Volume Infiltrated in 72 Hours $=\mathbf{2 3 1}, \mathbf{0 1 9} \mathbf{f t} \wedge 3$ (see Appendix C)

## B. Buildout Plan:

## 1. Pond 1

Total Contributing Basin Area $=572,378 \mathrm{ft}^{2}$
a) One Inch of runoff over the drainage basin:

Required Treatment Volume $=572,378 \mathrm{ft}^{2} \times(1 / 12) \mathrm{ft}=47,698 \mathrm{ft}^{3}$
b) 1.75 inches of runoff from the impervious area:

Impervious Area: 572,378 $\mathrm{ft}^{2}$
Required Treatment Volume $=572,378 \mathrm{ft}^{2} \times(1.75 / 12) \mathrm{ft}=83,472 \mathrm{ft}^{3}$

## Treatment Volume of $83,472 \mathrm{ft}^{3}$ dominates

(588,060 ft^3 provided at elev 94)

## Volume Infiltrated in $\mathbf{7 2}$ Hours $=\mathbf{4 0 2 , 0 0 1 ~ f t}{ }^{\wedge} \mathbf{3}$

 (see Appendix C)
## 2. Pond 2

Total Contributing Basin Area $=828,076 \mathrm{ft}^{2} \quad(19.01 \mathrm{ac}) \quad$ (from Table 2)
a) One Inch of runoff over the drainage basin:

Required Treatment Volume $=828,076 \mathrm{ft}^{2} \times(1 / 12) \mathrm{ft}=69,006 \mathrm{ft}^{3}$
b) 1.75 inches of runoff from the impervious area:

Impervious Area: 828,076 $\mathrm{ft}^{2}$
Required Treatment Volume $=828,076 \mathrm{ft}^{2} \times(1.75 / 12) \mathrm{ft}=120,761 \mathrm{ft}^{3}$
Treatment Volume of $120,761 \mathrm{ft}^{3}$ dominates
(1,723,669 ft^3 provided at elev 84)
Volume Infiltrated in $\mathbf{7 2}$ Hours $=\mathbf{6 6 3}, \mathbf{7 6 3} \mathrm{ft}^{\wedge} \mathbf{3}$ (see Appendix C)

## 3. Pond 3

Total Contributing Basin Area $=364,597 \mathrm{ft}^{2} \quad(8.37 \mathrm{ac}) \quad$ (from Table 2)
a) One Inch of runoff over the drainage basin:

Required Treatment Volume $=364,597 \mathrm{ft}^{2} \times(1 / 12) \mathrm{ft}=30,383 \mathrm{ft}^{3}$
b) 1.75 inches of runoff from the impervious area:

Impervious Area: $364,597 \mathrm{ft}^{2}$
Required Treatment Volume $=364,597 \mathrm{ft}^{2} \times(1.75 / 12) \mathrm{ft}=53,170 \mathrm{ft}^{3}$

## Treatment Volume of $53,170 \mathrm{ft}^{3}$ dominates

(1,140,836 ft^3 provided at elev 102)
Volume Infiltrated in $\mathbf{7 2}$ Hours $=\mathbf{2 4 6}, \mathbf{1 6 5} \mathbf{f t} \wedge 3$
(see Appendix C)

## 4. Pond 4

Total Contributing Basin Area $=331,056 \mathrm{ft}^{2} \quad(7.60 \mathrm{ac}) \quad$ (from Table 2)
a) One Inch of runoff over the drainage basin:

Required Treatment Volume $=331,056 \mathrm{ft}^{2} \times(1 / 12) \mathrm{ft}=27,588 \mathrm{ft}^{3}$
b) 1.75 inches of runoff from the impervious area:

Impervious Area: 331,056 $\mathrm{ft}^{2}$
Required Treatment Volume $=331,056 \mathrm{ft}^{2} \times(1.75 / 12) \mathrm{ft}=48,279 \mathrm{ft}^{3}$
Treatment Volume of $48,279 \mathrm{ft}^{3}$ dominates
( $170,842 \mathrm{ft}^{\wedge} 3$ provided at elev 93.8 )

## Volume Infiltrated in $\mathbf{7 2}$ Hours $=\mathbf{2 2 4 , 1 4 5} \mathbf{f t} \wedge 3$

(see Appendix C)

## 5. Pond 5

Total Contributing Basin Area $=866,408 \mathrm{ft}^{2} \quad(19.89 \mathrm{ac}) \quad$ (from Table 2)
a) One Inch of runoff over the drainage basin:

$$
\text { Required Treatment Volume }=866,408 \mathrm{ft}^{2} \times(1 / 12) \mathrm{ft}=72,200 \mathrm{ft}^{3}
$$

b) 1.75 inches of runoff from the impervious area:

Impervious Area: 866,408 $\mathrm{ft}^{2}$
Required Treatment Volume $=866,408 \mathrm{ft}^{2} \times(1.75 / 12) \mathrm{ft}=126,351 \mathrm{ft}^{3}$
Treatment Volume of $126,351 \mathrm{ft}^{3}$ dominates
(703,930 ft^3 provided at elev 87)
Volume Infiltrated in $\mathbf{7 2}$ Hours $=\mathbf{7 6 0 , 0 7 6} \mathbf{f t}{ }^{\wedge} 3$ (see Appendix C)

## 6. Pond 6

Total Contributing Basin Area $=117,612 \mathrm{ft}^{2} \quad(2.70 \mathrm{ac}) \quad$ (from Table 2)
a) One Inch of runoff over the drainage basin:

Required Treatment Volume $=117,612 \mathrm{ft}^{2} \times(1 / 12) \mathrm{ft}=9,801 \mathrm{ft}^{3}$
b) 1.75 inches of runoff from the impervious area:

Impervious Area: 117,612 $\mathrm{ft}^{2}$
Required Treatment Volume $=117,612 \mathrm{ft}^{2} \times(1.75 / 12) \mathrm{ft}=17,152 \mathrm{ft}^{3}$
Treatment Volume of $17,152 \mathrm{ft}^{3}$ dominates (101,159 ft^3 provided at elev 94)

Volume Infiltrated in 72 Hours $=101,576 \mathrm{ft} \wedge 3$
(see Appendix C)

## 7. Pond 7

Total Contributing Basin Area $=459,558 \mathrm{ft}^{2} \quad(10.55 \mathrm{ac}) \quad$ (from Table 2)
a) One Inch of runoff over the drainage basin:

Required Treatment Volume $=459,588 \mathrm{ft}^{2} \mathrm{x}(1 / 12) \mathrm{ft}=38,296 \mathrm{ft}^{3}$
b) 1.75 inches of runoff from the impervious area:

Impervious Area: 449,588 ft ${ }^{2}$
Required Treatment Volume $=459,588 \mathrm{ft}^{2} \times(1.75 / 12) \mathrm{ft}=67,019 \mathrm{ft}^{3}$

Treatment Volume of $67,019 \mathrm{ft}^{3}$ dominates
(607,226 ft^3 provided at elev 112)
Volume Infiltrated in 72 Hours $=\mathbf{3 9 6 , 8 9 8} \mathbf{f t \wedge} \mathbf{3}$ (see Appendix C)

## 8. Pond 8

Total Contributing Basin Area $=270,943 \mathrm{ft}^{2} \quad(6.22 \mathrm{ac}) \quad$ (from Table 2)
a) One Inch of runoff over the drainage basin:

Required Treatment Volume $=270,943 \mathrm{ft}^{2} \mathrm{x}(1 / 12) \mathrm{ft}=22,578 \mathrm{ft}^{3}$
b) 1.75 inches of runoff from the impervious area:

Impervious Area: 270,943 ft ${ }^{2}$
Required Treatment Volume $=270,943 \mathrm{ft}^{2} \mathrm{x}(1.75 / 12) \mathrm{ft}=39,512 \mathrm{ft}^{3}$

Treatment Volume of $39,512 \mathrm{ft}^{3}$ dominates
(275,734 ft^3 provided at elev 100)
Volume Infiltrated in 72 Hours $=\mathbf{2 3 4 , 0 0 1} \mathbf{f t \wedge} \mathbf{3}$ (see Appendix C)

## 9. Pond 9

Total Contributing Basin Area $=485,258 \mathrm{ft}^{2} \quad(11.14 \mathrm{ac}) \quad$ (from Table 2)
a) One Inch of runoff over the drainage basin:

Required Treatment Volume $=485,258 \mathrm{ft}^{2} \mathrm{x}(1 / 12) \mathrm{ft}=40,438 \mathrm{ft}^{3}$
b) 1.75 inches of runoff from the impervious area:

Impervious Area: 485,258 ft ${ }^{2}$
Required Treatment Volume $=485,258 \mathrm{ft}^{2} \times(1.75 / 12) \mathrm{ft}=70,767 \mathrm{ft}^{3}$
Treatment Volume of 70,767 $\mathrm{ft}^{3}$ dominates
(842,015 ft^3 provided at elev 90 )

## Volume Infiltrated in 72 Hours $=\mathbf{3 7 7}, 944 \mathrm{ft} \wedge \mathbf{3}$

 (see Appendix C)
## 10. Pond 10

Total Contributing Basin Area $=369,388 \mathrm{ft}^{2} \quad(8.48 \mathrm{ac}) \quad$ (from Table 2)
a) One Inch of runoff over the drainage basin:

Required Treatment Volume $=369,388 \mathrm{ft}^{2} \times(1 / 12) \mathrm{ft}=30,782 \mathrm{ft}^{3}$
b) 1.75 inches of runoff from the impervious area:

Impervious Area: 368,388 $\mathrm{ft}^{2}$
Required Treatment Volume $=369,388 \mathrm{ft}^{2} \times(1.75 / 12) \mathrm{ft}=53,869 \mathrm{ft}^{3}$

## Treatment Volume of $53,869 \mathrm{ft}^{3}$ dominates

( $69,696 \mathrm{ft}^{\wedge} 3$ provided at elev 87.5)
Volume Infiltrated in 72 Hours $=122,592 \mathrm{ft} \wedge 3$
(see Appendix C)

## 11. Pond 11

Total Contributing Basin Area $=689,990 \mathrm{ft}^{2} \quad(15.84 \mathrm{ac}) \quad$ (from Table 2)
a) One Inch of runoff over the drainage basin:

Required Treatment Volume $=689,990 \mathrm{ft}^{2} \times(1 / 12) \mathrm{ft}=57,499 \mathrm{ft}^{3}$
b) 1.75 inches of runoff from the impervious area:

Impervious Area: 689,990 $\mathrm{ft}^{2}$
Required Treatment Volume $=689,990 \mathrm{ft}^{2} \times(1.75 / 12) \mathrm{ft}=100,624 \mathrm{ft}^{3}$
Treatment Volume of $100,624 \mathrm{ft}^{3}$ dominates
( $669,081 \mathrm{ft}^{\wedge} 3$ provided at elev 91 )
Volume Infiltrated in 72 Hours $=595,912 \mathrm{ft} \wedge 3$ (see Appendix C)

## 12. Pond 12

Total Contributing Basin Area $=727,452 \mathrm{ft}^{2} \quad(16.70 \mathrm{ac}) \quad$ (from Table 2)
a) One Inch of runoff over the drainage basin:

$$
\text { Required Treatment Volume }=727,452 \mathrm{ft}^{2} \times(1 / 12) \mathrm{ft}=60,621 \mathrm{ft}^{3}
$$

b) 1.75 inches of runoff from the impervious area:

Impervious Area: 727,452 ft ${ }^{2}$
Required Treatment Volume $=727,452 \mathrm{ft}^{2} \times(1.75 / 12) \mathrm{ft}=106,087 \mathrm{ft}^{3}$
Treatment Volume of $106,087 \mathrm{ft}^{3}$ dominates
(558,875 ft^3 provided at elev 79)
Volume Infiltrated in 72 Hours $=465,401 \mathrm{ft}$ ^3
(see Appendix C)

Table 4. Summary of PONDS Modeling Results

## I. Summary of PONDS Modeling Results:

A) Interim PONDS Modeling Results:

| Event <br> $(\mathrm{yrs} / \mathrm{hrs})$ | Pond ID | Conal <br> Basin Area <br> $(\mathrm{ac})$ | Coak Stage <br> $(\mathrm{ft})$ | Top of <br> Pond <br> Stage (ft) | Completely <br> Evacuate <br> (hrs after <br> storm) |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $100 / 24$ | Temp Pond | 9.55 | 74.5 | 82 | 48 |
| $100 / 24$ | Int. Pond 10 | 8.4 | 90.9 | 92 | 21 |
| $100 / 24$ | Int. Pond 11 | 2.54 | 90.2 | 92 | 35 |
| $100 / 24$ | Int. Pond 12 | 6.75 | 75.9 | 79 | 73 |

B) Buildout PONDS Modeling Results:

| Event <br> (yrs/hrs) | Pond ID | Total <br> Basin Area <br> (ac) | Peak Stage <br> (ft) | Top of <br> Pond <br> Ptage (ft) | Time to <br> Completely <br> Evacuate <br> (hrs after <br> storm) |
| :--- | :--- | :---: | :---: | :---: | :---: |
| $100 / 24$ | Pond 1 | 13.14 | 89.8 | 94 | 288 |
| $100 / 24$ | Pond 2 | 19.01 | 74.5 | 84 | 288 |
| $100 / 24$ | Pond 3 | 8.37 | $91.9 / 94.6$ | 102 | $360^{\star}$ |
| $100 / 24$ | Pond 4 | 7.6 | 94 | 95 | 54 |
| $100 / 24$ | Pond 5 | 19.89 | 85.9 | 87 | 103 |
| $100 / 24$ | Pond 6 | 2.7 | 92.2 | 94 | 28 |
| $100 / 24$ | Pond 7 | 10.55 | 107.4 | 112 | 96 |
| $100 / 24$ | Pond 8 | 6.22 | 97 | 100 | 48 |
| $100 / 24$ | Pond 9 | 11.14 | $85.7 / 87.8$ | 90 | $360^{*}$ |
| $100 / 24$ | Pond 10 | 8.48 | 88 | 92 | 183 |
| $100 / 24$ | Pond 11 | 15.84 | 88 | 91 | 192 |
| $100 / 24$ | Pond 12 | 16.7 | 77.5 | 79 | 264 |

*     - Note: Ponds 3 and 9 do not completely drawdown after 360 hrs. A second $100-\mathrm{Yr} / 24 \mathrm{Hr}$ Storm is routed after 14 days.

Sheets


Figure C-1
Project Location Map Vista Landfill





POND $4 \xrightarrow[(-(A) 2)]{A}$



POND 6


$\qquad$
$\qquad$
$\qquad$ POND 8 $\qquad$



POND 9
$108 \longrightarrow 108$

## 108

 ${ }^{104}$
POND 11 H


POND 10
(G)


POND 12
(10)
$\stackrel{\circ}{\text { sonem }}$ Feet
Scole


$\frac{\text { FDOT TYPE "D" INLET DETAIL }}{\text { NIS }}$


Empobary and pervanent roosion control plan








opreation and mantenance plan


4.




Figure E-1
NRCS Soils Map
Vista Landfill



Figure E-3
Pre-Developed FLUCCS Code Map


Figure E-4
FEMA FIRM Map
Vista Landfill


Figure E-5
Post-Developed FLUCCS Code Map

## Appendix A

## Full Sized Construction Plans












## Appendix B

## Geotechnical Report <br> by <br> Devo Engineering

## Report On Review Of SHWt And Aovifer Parameters For Stormwater Management System Design

## 

(F.k.a. Bishop \& Buttrey Keene Road Landfill)

Keene Road, Apopka, Florida

Preparead bar
Applied Technology
and Management, linc.
5550 NW 111 Boulevard Gainesville, FL 32653


## Trepareal ty



DEVO SEEREERAM, PH.D., P.E., LLC.


Dear Mr. Schumacher:

The attached report documents the results of our supplemental geotechnical field investigation, review of previous and current data, our evaluation and assessment of updated SHWT estimates and other aquifer parameters to be used in the ground infiltration analysis of the proposed stormwater management areas at WM's Vista Class III Landfill site located in Apopka, Florida.

Please do not hesitate to contact us if you have any questions regarding the contents of this report.

> Devo seereeram

Devo Seereeram, Ph.D., P.E.
Florida Registration No. 48303
Date: August 6, 2010

## Table of Contents

## Page \#

I. 0 BACKGROUND INFORMATION. ..... 3
2.0 Previously Issued Reports. ..... 3
3.0 EXISTING DRY RETENTION PONDS ON NORTH ..... 4
4.0 OBJECTIVES. ..... 5
5.0 SUPPLEMENTAL GEOTECHNICAL FIELD WORK ..... 5
6.0 SoIL and Water Table Conditions. ..... 5
6.1 Presentation of Data. ..... 5
6.2 Soil Stratigraphy - Ponds 1, 2, and 3. ..... 6
6.3 Soil Infiltration Rate. ..... 6
6.4 Water Table. ..... 6
7.0 ASSESSMENT AND RECOMMENDATIONS. ..... 7
List of Tables
Table 1. Key Pond Parameters. ..... 4
Table 2. Summary of DRI Test Results. ..... 6
Table 3. Recommended Aquifer Parameters for Analysis of Stormwater Management Areas. ..... 7
List of Attached Figures
Figure 1.1 Boring Location Plan
Figure 2.1 Soil Profiles for HA-1 to HA-4
List of Attachments
Attachment 1. Double Ring Infiltrometer Tests

### 1.0 Background Information

The stormwater management system for the Waste Management's Vista Class III Landfill on Keene Road (Apopka, Orange County, Fl ) is being re-permitted by Applied Technology \& Management, Inc. The proposed layout of the stormwater management system (i.e., perimeter ponds and swales) are shown in Figure 1.1 (attached).

Devo Engineering was requested to provide geotechnical engineering supporting data for the stormwater management areas.

### 2.0 Previously Issued Reports

In calendar years 2002 to 2005, Devo Engineering performed several water table and hydro-stratigraphic evaluations of the landfill footprints formerly known as BD-3 and BD-4 (see Figure 1.1 for limits of BD-2, BD-3, and BD-4).

These studies were multi-purpose and were used for setting the landfill base grades to provide adequate separation from the seasonal high water table, assessing the rise in onsite water table from adjacent offsite artificial recharge facilities. In addition, we also provided infiltration parameters for the stormwater management swales around the BD-3 and BD-4 phases. A list of the previously issued reports is in chronological order below:

## BD3 Footprint (see limits of BD3 in Figure 1.1)

(1) October 21, 2002. Estimate Of Seasonal High Groundwater Elevation, Bishop \& Buttrey Class III Landfill Expansion (BD3 Site), Keene Road \& McQueen Road, Orange County, Florida
(2) April 21, 2003. Supplement \#1 to Report Dated October 21, 2002. Additional Hydrogeologic Data \& Responses to Selected Comments of Orange County EPD RAI dated Dec 27, 2002. Buttrey Development Three L.L.C. Class III Landfill Expansion (BD3 Site) Keene Road \& McQueen Road, City of Apopka, Florida
(3) June 13, 2003. Supplement \#2 to Report Dated October 21, 2002. Additional Hydrogeologic Data, Buttrey Development Three L.L.C. Class III Landfill Expansion (BD3 Site). Keene Road \& McQueen Road, City of Apopka, Florida

## BD4 Footprint (see limits of BD4 in Figure 1.1)

(4) July 1, 2003. Preliminary Seasonal High Water Table Estimates, Buttrey Development Four L.L.C. Class III Landfill Expansion (BD4 Site), Keene Road \& McQueen Road, City of Apopka, Florida
(5) October 17, 2003. Seasonal High Water Table Estimates, Buttrey Development Four L.L.C. Class III Landfill Expansion (BD4 Site), Keene Road \& McQueen Road, City of Apopka, Florida.
(6) February 6, 2004. Potential Water Table Impact of Lake Cora Lee Wetland Treatment On Buttrey Development Four L.L.C. Class III Landfill Expansion (BD4 Site). Keene Road \& McQueen Road, City of Apopka, Florida
(7) February 10, 2004. Water Table Estimates \& Proposed Base Grade Elevations, Buttrey Development Four L.L.C. Class III Landfill Expansion (BD4 Site), Keene Road \& McQueen Road, City of Apopka, Florida
(8) February 3, 2005. Potential Water Table Impact of Lake Cora Lee Wetland Treatment On Buttrey Development Four L.L.C. Class III Landfill Expansion (BD4 Site). Keene Road \& McQueen Road, City of Apopka, Florida

## BD3 \& BD4 Combined Footprint

(9) February 22, 2005. Estimate of Aquifer Parameters for Swale Recovery Analysis. Bishop and Buttrey, Keene Road Landfill, City of Apopka, Florida. It is our understanding that some of these parameters were modified by the drainage engineer to account for mounding from the adjacent Lake Cora Lee project.

### 3.0 Existing Dry Retention Ponds on North

There are three (3) existing dry ponds on the north side of the property (north of the BD-2 landfill footprint) and these ponds are labeled Pond 1, Pond 2, and Pond 3 in Figure 1.1. These ponds are also to be re-permitted in addition to the ponds labeled Ponds 4 through 12.

Key data on the northern ponds are as follows:

| Table 1. Key Pond Parameters |  |  |  |
| :---: | :---: | :---: | :---: |
| Pond No. | Area (ac) | Top elevation (ft) | Bottom elevation (ft) |
| POND 1 | 6.1 | 94 | 70 |
| POND 2 | 7.6 | 84 | 70 |
| POND 3 | 7.3 | 102 | 90 |

These ponds have been constructed since 2006-2007 (based on review of historical aerials) and appear to be functioning effectively as dry bottom ponds based on our recent site inspection.

### 4.0 Objectives

The objectives of this investigation will be to provide the following aquifer parameters for each stormwater management area shown in Figure 1.1:
$\Leftrightarrow \quad$ Seasonal high groundwater elevations
$\Rightarrow \quad$ Base of aquifer
$\Rightarrow \quad$ Horizontal saturated hydraulic conductivity
$\Rightarrow$ Fillable porosity
$\Rightarrow \quad$ Unsaturated vertical infiltration rate

### 5.0 Supplemental Geotechnical Field Work

The follow supplemental scope of field testing was undertaken for this assessment:

1. Four (4) Double Ring Infiltrometer (DRI) tests in Ponds 1, 2, and 3 (the existing ponds along Keene Road). These test locations are labeled DRI-1, DRI-2A, DRI-2B, and DRI-3, as shown in Figure 1.1.
2. Four (4) hand auger borings within the existing pond bottoms. These boring locations are labeled HA-1 through HA-4 in Figure 1.1. Borings HA-1 to HA-3 were drilled to 10 ft depth while boring HA-4 was drilled to 7 ft depth.
3. Visual and tactile examination of soil samples.
4. Measurement of the water table in accessible piezometers within the site.

### 6.0 Soil and Water Table Conditions

### 6.1 Presentation of Data

Borings and DRI test locations are shown in Figure 1.1 (attached).
Soil profiles for the four (4) hand auger borings drilled with the pond bottoms are presented in Figure 2.1. Water table measurements are annotated adjacent to the soil profiles in Figure 2.1.

Figure 1.1 shows contours of the seasonal high water table altitude (in ft NGVD) developed from our previous studies of the site (see Section 2 for list of reports).

### 6.2 Soil Stratigraphy - Ponds 1, 2, and 3

## Pond 1 [Boring HA-1, Figure 2.1]

The soil boring drilled in Pond 1 (HA-1) disclosed a very thin ( 0.2 ft thick) surficial layer of silty material (dried slush) underlain by free-draining fine sands through to the termination of the boring at 10 ft depth .

## Pond 2 [Borings HA-2 \& HA-3, Figure 2.1]

The soil borings drilled in Pond 2 (HA-2 \& HA-3) both disclosed layers of fine sands from the ground surface through to the termination of the borings at 10 ft depth.

## Pond 3 [Boring HA-4, Figure 2.1]

The soil boring drilled in Pond 3, HA-4, disclosed a 2 ft thick surficial layer of fine sand with clay lumps, underlain by a 1 ft layers of clayey fine sand and fine sand with clay lumps to 4 ft depth. From 4 ft depth the boring disclosed layers of fine sands through to the termination of the boring at 7 ft depth.

### 6.3 Soil Infiltration Rate

Double ring infiltrometer tests performed within the pond bottoms disclosed values of 15.3 ft /day to 76.5 ft day and these results are shown in Table 2 . The values obtained were generally with typical range for the types of sandy soils with deep water table. Detailed DRI test results are included in Attachment \#1.

| Table 2. Summary of DRI Test Results |  |  |  |
| :---: | :---: | :---: | :---: |
| Pond No. | DRI Test No. | Soil type(s) | Permeability <br> (ft/day) |
|  | DRI-1 | Fine sands | 50.2 |
| POND 2/DA-2A | DRI-2 | Fine sands | 76.5 |
|  | DRI-3 | Fine sands | 60.0 |
| POND 3/DA-3A | DRI-4 | Clayey fine sand and fine sand | 15.3 |

### 6.4 Water Table

The ground water table was not encountered in three (3) of the four (4) borings drilled in this investigation and these borings were drilled to 10 ft depth. A seasonal high water table contour map of the site is presented in Figure 1.1 and this was developed based on our previous studies.

### 7.0 Assessment and Recommendations

Based on the data collected as part of this evaluation and the previously collected data, the aquifer parameters in Table 3 are recommended for each of the stormwater management areas. Note that the unsaturated vertical infiltration rate values in this table already include a safety factor of over 2 and do not need to be factored downward when used in the computer model.

| Table 3. Recommended Aquifer Parameters for Analysis of Stormwater Management Areas |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Elevations (ft NGVD) |  |  |  | Unsaturated Infiltration Rate (includes FS = 2) (ft/day) | Horizontal <br> Saturated <br> Hydraulic <br> Conductivity <br> (ft/day) | Fillable Porosity <br> (\%) |
| Pond <br> Number | Pond <br> Top of <br> Bank | Pond Bottom | Seasonal High Water Table | Base of Aquifer |  |  |  |
| 1 | 94 | 70 | 60 | 59 | 5 | 15 | 20 |
| 2 | 84 | 70 | 60 | 59 | 5 | 15 | 20 |
| 3 | 102 | 90 | 85 | 84 | 5 | 15 | 20 |
| 4 | 95 | 82 | 60 | 59 | 5 | 15 | 20 |
| 5 | 87 | 72 | 60 | 59 | 5 | 15 | 20 |
| 6 | 95 | 85 | 67 | 66 | 5 | 15 | 20 |
| 7 | 112 | 102 | 85 | 84 | 5 | 15 | 20 |
| 8 | 100 | 92 | 77 | 76 | 5 | 15 | 20 |
| 9 | 90 | 78 | 74 | 69 | 5 | 15 | 20 |
| 10 | 92 | 82 | 79 | 74 | 5 | 15 | 20 |
| 11 | 91 | 80 | 60 | 59 | 5 | 15 | 20 |
| 12 | 78 | 70 | 62 | 61 | 5 | 15 | 20 |

## Notes:

1. The unsaturated vertical infiltration rate vlaues in this table already incorporate a safety factor of over 2.
2. The seasonal high water table values for Ponds 9 and 10 are each raised 4 ft due to potential mounding from artificial recharge from the adjacent Lake Cora Lee wetland treatment project.

The weighted horizontal hydraulic conductivity calculations were presented previously in our February 2005 report. A conservative value of the unsaturated infiltration rate is recommended ( 5 ft /day versus measured values in the range 15 to 76 ft /day.





Vista landfill
Test Date:

## DRI-2A

Ring Dimension

| Diameter of inner ring......................... | $\mathbf{0 . 9 4} \mathrm{ft}$, | or | $\mathbf{2 8 . 6 5} \mathrm{cm}$ |
| :--- | :--- | :--- | :--- | :--- |
| Diameter of outer ring................. | $\mathbf{1 . 9 7} \mathrm{ft}$, | or | $\mathbf{6 0 . 0 5} \mathrm{cm}$ |

Area Within Inner Ring. $\qquad$ $641.30 \mathrm{sq} . \mathrm{cm}$.

Stabilized infiltration rate. $\qquad$ $11.00 \mathrm{ft} / \mathrm{day}$

| Eapsed Time (min) | Time Increment (min) | Volume Increment (ml) | Infiltration Rate |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  | (cm/hr) | (in/day) |
| 1 | 1 | 149.3 | 13.97 | 131.99 |
| 2 | 1 | 149.7 | 14.01 | 132.34 |
| 3 | 1 | 149.9 | 14.02 | 132.52 |
| 4 | 1 | 150.2 | 14.05 | 132.78 |
| 5 | 1 | 150.7 | 14.10 | 133.22 |
| 10 | 5 | 152 | 2.84 | 26.87 |
| 15 | 5 | 153.4 | 2.87 | 27.12 |
| 20 | 5 | 154.6 | 2.89 | 27.33 |
| 25 | 5 | 156 | 2.92 | 27.58 |
| 30 | 5 | 157.4 | 2.95 | 27.83 |
| 45 | 15 | 161.6 | 1.01 | 9.52 |
| 60 | 15 | 166.2 | 1.04 | 9.80 |
| 75 | 15 | 169.9 | 1.06 | 10.01 |
| 90 | 15 | 174 | 1.09 | 10.25 |

Increment from 1 mins to 90 mins

| Diameter of inner ring......................... | $\mathbf{0 . 9 4} \mathrm{ft}$, | or | $\mathbf{2 8 . 6 5} \mathrm{cm}$ |
| :--- | :--- | :--- | :--- | :--- |
| Diameter of outer ring................ | $\mathbf{1 . 9 7} \mathrm{ft}$, | or | $\mathbf{6 0 . 0 5} \mathrm{cm}$ |

Area Within Inner Ring........................
$641.30 \mathrm{sq} . \mathrm{cm}$.
Stabilized infiltration rate. $\qquad$ 76.53 ft/day

| Eapsed Time (min) | Time Increment (min) | Volume Inc rement (ft3) | Infiltration Rate |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  | (cm/hr) | (in/day) |
| 1 | 90 | 93489.5 | 97.19 | 918.31 |
|  |  |  |  | 76.525577 |


| DRI-2B |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Ring Dimension |  |  |  |  |  |
| Diameter of inner ring <br> Diameter of outer ring |  |  | 0.94 ft , or |  | 28.65 cm |
|  |  |  |  | ft , or | 60.05 cm |
| Area Within Inner Ring. |  |  | $641.30 \mathrm{sq} . \mathrm{cm}$. |  |  |
| Stabilized infiltration rate............ |  |  | $13.10 \mathrm{ft} / \mathrm{day}$ |  |  |
| Eapsed Time (min) | Time Increment (min) | $\begin{aligned} & \begin{array}{l} \text { Volume } \\ \text { Increment } \\ (\mathrm{ml}) \end{array} \end{aligned}$ | Infiltration Rate |  |  |
|  |  |  | (cm/hr) | (in/day) |  |
| 1 | 1 | 177.8 | 16.63 | 157.18 |  |
| 2 | 1 | 178 | 16.65 | 157.36 |  |
| 3 | 1 | 178.1 | 16.66 | 157.45 |  |
| 4 | 1 | 178.3 | 16.68 | 157.62 |  |
| 5 | 1 | 178.5 | 16.70 | 157.80 |  |
| 10 | 5 | 179.7 | 3.36 | 31.77 |  |
| 15 | 5 | 180.8 | 3.38 | 31.97 |  |
| 20 | 5 | 181.5 | 3.40 | 32.09 |  |
| 25 | 5 | 182.3 | 3.41 | 32.23 |  |
| 30 | 5 | 183.2 | 3.43 | 32.39 |  |
| 45 | 15 | 187.1 | 1.17 | 11.03 |  |
| 60 | 15 | 189.7 | 1.18 | 11.18 |  |
| 75 | 15 | 193 | 1.20 | 11.37 |  |
| 90 | 15 | 196.2 | 1.22 | 11.56 |  |
| 105 | 15 | 200.4 | 1.25 | 11.81 |  |
| Increment from 1 mins to 105 mins |  |  |  |  |  |
| Diameter of inner ring...................................Diameter of outer ring....... |  |  | 0.94 ft , or |  | 28.65 cm |
|  |  |  | 1.97 ft , or |  | 60.05 cm |
| Area Within Inner Ring...................... |  |  | $641.30 \mathrm{sq} . \mathrm{cm}$. |  |  |
| Stabilized infiltration rate............ |  |  | $60.02 \mathrm{ft} / \mathrm{day}$ |  |  |
| Elapsed Time (min) | Time Increment (min) | Volume Increment (ml) | Infiltration Rate |  |  |
|  |  |  | (cm/hr) | (in/day) |  |
| 1 | 105 | 85540 | 76.22 | 720.19 |  |
|  |  |  |  | 60.01588 |  |


| DRI-1 |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Ring Dimension |  |  |  |  |  |
| Average for Entire Test Duration 120 mins |  |  |  |  |  |
| Diameter of inner ring................ |  |  | 0.94 ft , or |  | 28.65 cm |
| Diameter of outer ring................. |  |  | 1.97 ft , or |  | 60.05 cm |
| Area Within Inner Ring...................... |  |  | $641.30 \mathrm{sq} . \mathrm{cm}$. |  |  |
| Stabilized infiltration rate.. |  |  | $9.67 \mathrm{ft} / \mathrm{day}$ |  |  |
| Eapsed Time (min) | Time Increment (min) | $\begin{aligned} & \hline \begin{array}{l} \text { Volume } \\ \text { Increment } \\ (\mathrm{ml}) \end{array} \\ & \hline \end{aligned}$ | Infiltration Rate |  |  |
|  |  |  |  |  |  |
|  |  |  | (cm/hr) | (in/day) |  |
| 1 | 1 | 131.3 | 12.28 | 116.07 |  |
| 2 | 1 | 131.5 | 12.30 | 116.25 |  |
| 3 | 1 | 131.7 | 12.32 | 116.43 |  |
| 4 | 1 | 131.9 | 12.34 | 116.60 |  |
| 5 | 1 | 132.2 | 12.37 | 116.87 |  |
| 10 | 5 | 133.5 | 2.50 | 23.60 |  |
| 15 | 5 | 134.3 | 2.51 | 23.75 |  |
| 20 | 5 | 135.1 | 2.53 | 23.89 |  |
| 25 | 5 | 136.1 | 2.55 | 24.06 |  |
| 30 | 5 | 136.9 | 2.56 | 24.20 |  |
| 45 | 15 | 139.4 | 0.87 | 8.22 |  |
| 60 | 15 | 142.1 | 0.89 | 8.37 |  |
| Increment from 1 mins to 60 mins |  |  |  |  |  |
| Diameter of inner ring..........................Diameter of outer ring........... |  |  | 0.94 ft , or |  | 28.65 cm |
|  |  |  |  | ft , or | 60.05 cm |
| Area Within Inner Ring...................... |  |  | $641.30 \mathrm{sq} . \mathrm{cm}$. |  |  |
| Stabilized infiltration rate............ |  |  | $50.19 \mathrm{ft} / \mathrm{day}$ |  |  |
| ElapsedTime$(\mathbf{m i n})$ | Time Increment (min) | Volume <br> Inc rement <br> (ml) | Infiltration Rate |  |  |
|  |  |  | (cm/hr) | (in/day) |  |
| 1 | 60 | 40880 | 63.75 | $\begin{array}{r} \mathbf{6 0 2 . 3 2} \\ 50.19332 \end{array}$ |  |



## Appendix C

PONDS Computer Modeling Recovery Analysis

## PONDS Routing and Recovery Analysis

## Interim Plan Results

# PONDS Routing and Recovery Analysis 

Interim Plan Results<br>Interim Temporary Pond 100-year / 24-Hour Storm

Input Report<br>Summary of Results<br>Detailed Results

(Pond dry at Hour 48)

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

## Project Data

| Project Name: | Vista Landfill Redesign Interim Stormwater Plan |
| :--- | :--- |
| Simulation Description: | Interim Temp Pond <br> 100 Year / 24 Hour Routing and Recovery Analysis w/ infiltration <br> Iterim Temp Pond |
| Project Number: | $10-2141$ |
| Engineer: | cms |
| Supervising Engineer: | cms |
| Date: | $01-06-2011$ |

## Aquifer Data

Base Of Aquifer Elevation, $[\mathrm{B}]$ ( ft datum): ..... 59.00
Water Table Elevation, [WT] (ft datum): ..... 60.00
Horizontal Saturated Hydraulic Conductivity, [Kh] (ft/day): ..... 15.00
Fillable Porosity, [ n ] (\%): ..... 20.00
Unsaturated Vertical Infiltration Rate, [lv] (ft/day): ..... 5.0
Maximum Area For Unsaturated Infiltration, [Av] (ft²): ..... 122578.0
Geometry Data
Equivalent Pond Length, [L] (ft): ..... 800.0
Equivalent Pond Width, $[\mathrm{W}]$ (ft): ..... 50.0
Ground water mound is expected to intersect the pond bottom

## Stage vs Area Data

| Stage <br> (ft datum) | Area <br> $\left(\mathrm{ft}^{2}\right)$ |
| ---: | ---: |
| 68.00 | 2309.0 |
| 70.00 | 10045.0 |
| 72.00 | 44083.0 |
| 74.00 | 72309.0 |
| 76.00 | 89298.0 |
| 78.00 | 102148.0 |
| 80.00 | 112559.0 |
| 82.00 | 122578.0 |

## Discharge Structures

## Discharge Structure \#1 is inactive

Discharge Structure \#2 is inactive

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.

## Discharge Structures (cont'd.)

Discharge Structure \#3 is inactive

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

## Scenario Input Data

Scenario 1 :: Temp Inetrim Pond $100 \mathrm{Yr} / 24 \mathrm{Hr}$

| Hydrograph Type: | Inline SCS |
| :--- | :--- |
| Modflow Routing: | Routed with infiltration |
| Repetitions: | 1 |

Basin Area (acres) 9.550
Time Of Concentration (minutes) 10.0
DCIA (\%) 0.0
Curve Number 98
Design Rainfall Depth (inches) 10.6
Design Rainfall Duration (hours) 24.0
Shape Factor
UHG 484
Rainfall Distribution Orange County 100 Year - 24 Hour
Initial ground water level (ft datum) default, 60.00
Time After
Storm Event (days)
1.000
7.000
11.000
14.000

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.

## Summary of Results :: Scenario 1 :: Temp Inetrim Pond $100 \mathrm{Yr} / 24 \mathrm{Hr}$

|  | Time (hours) | Stage (ft datum) | Rate $\left(\mathrm{ft}^{3 / \mathrm{s}}\right)$ | Volume $\left(\mathrm{t}^{3}\right)$ |
| :---: | :---: | :---: | :---: | :---: |
| Stage |  |  |  |  |
| Minimum | 0.000 | 60.00 |  |  |
| Maximum | 12.711 | 74.48 |  |  |
| Inflow |  |  |  |  |
| Rate - Maximum - Positive | 9.000 |  | 21.0036 |  |
| Rate - Maximum - Negative | None |  | None |  |
| Cumulative Volume - Maximum Positive | 24.489 |  |  | 359278.1 |
| Cumulative Volume - Maximum Negative | None |  |  | None |
| Cumulative Volume - End of Simulation | 360.578 |  |  | 359278.1 |
| Infiltration |  |  |  |  |
| Rate - Maximum - Positive | 12.733 |  | 4.4193 |  |
| Rate - Maximum - Negative | None |  | None |  |
| Cumulative Volume - Maximum Positive | 48.578 |  |  | 359278.1 |
| Cumulative Volume - Maximum Negative | None |  |  | None |
| Cumulative Volume - End of Simulation | 360.578 |  |  | 359278.1 |
| Combined Discharge |  |  |  |  |
| Rate - Maximum - Positive | None |  | None |  |
| Rate - Maximum - Negative | None |  | None |  |
| Cumulative Volume - Maximum Positive | None |  |  | None |
| Cumulative Volume - Maximum Negative | None |  |  | None |
| Cumulative Volume - End of Simulation | 360.578 |  |  | 0.0 |
| Discharge Structure 1 - inactive |  |  |  |  |
| Rate - Maximum - Positive | disabled |  | disabled |  |
| Rate - Maximum - Negative | disabled |  | disabled |  |
| Cumulative Volume - Maximum Positive | disabled |  |  | disabled |
| Cumulative Volume - Maximum Negative | disabled |  |  | disabled |
| Cumulative Volume - End of Simulation | disabled |  |  | disabled |
| Discharge Structure 2 - inactive |  |  |  |  |
| Rate - Maximum - Positive | disabled |  | disabled |  |
| Rate - Maximum - Negative | disabled |  | disabled |  |
| Cumulative Volume - Maximum Positive | disabled |  |  | disabled |
| Cumulative Volume - Maximum Negative | disabled |  |  | disabled |
| Cumulative Volume - End of Simulation | disabled |  |  | disabled |
| Discharge Structure 3 - inactive disabl |  |  |  |  |
| Rate - Maximum - Positive | disabled |  | disabled |  |
| Rate - Maximum - Negative | disabled |  | disabled |  |
| Cumulative Volume - Maximum Positive | disabled |  |  | disabled |
| Cumulative Volume - Maximum Negative | disabled |  |  | disabled |
| Cumulative Volume - End of Simulation | disabled |  |  | disabled |
| Pollution Abatement: |  |  |  |  |
| 36 Hour Stage and Infiltration Volume .72 Hour Stage and Infiltration Volume | N.A. N.A. | N.A. N.A. |  | N.A. N.A. |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results :: Scenario 1 :: Temp Inetrim Pond $100 \mathrm{Yr} / 24 \mathrm{Hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume $\left(\mathrm{ft}^{3}\right)$ | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 0.000 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | N.A. |
| 0.022 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.044 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.067 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.089 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.111 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.133 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.156 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.178 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.200 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.222 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.244 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.267 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.289 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.311 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.333 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.356 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.378 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.400 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.422 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.444 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.467 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.489 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.511 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.533 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.556 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.578 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.600 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.622 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.644 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.667 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.689 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.711 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.733 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.756 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.778 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.800 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.822 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.844 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.867 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.889 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.911 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.933 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.956 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.978 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.000 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.022 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.044 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.067 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.089 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.111 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.133 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.156 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.178 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.200 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.222 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.244 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.267 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| $\uparrow .289$ | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.311 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.333 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.356 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.378 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.400 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.422 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.444 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.467 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.489 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.511 | 0.0000 | 0.0000 | 60.000 | 0.00001 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.533 | 0.0000 | 0.0000 | 60.000 | 0.00009 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.556 | 0.0003 | 0.0000 | 60.000 | 0.00049 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.578 | 0.0013 | 0.0000 | 60.000 | 0.00165 | 0.00000 | 0.1 | 0.1 | 0.0 | U |
| 1.600 | 0.0037 | 0.0000 | 60.000 | 0.00416 | 0.00000 | 0.3 | 0.3 | 0.0 | U |
| 1.622 | 0.0080 | 0.0000 | 60.000 | 0.00847 | 0.00000 | 0.7 | 0.7 | 0.0 | U |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Temp Inetrim Pond $100 \mathrm{Yr} / 24 \mathrm{Hr}$

| Elapsed Time (hours) | Inflow Rate (ft3/s) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Insiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1.644 | 0.0143 | 0.0000 | 60.000 | 0.01470 | 0.00000 | 1.6 | 1.6 | 0.0 | U |
| 1.667 | 0.0223 | 0.0000 | 60.000 | 0.02271 | 0.00000 | 3.1 | 3.1 | 0.0 | U |
| 1.689 | 0.0319 | 0.0000 | 60.000 | 0.03212 | 0.00000 | 5.3 | 5.3 | 0.0 | U |
| 1.711 | 0.0424 | 0.0000 | 60.000 | 0.04252 | 0.00000 | 8.2 | 8.2 | 0.0 | U |
| 1.733 | 0.0534 | 0.0000 | 60.000 | 0.05353 | 0.00000 | 12.1 | 12.1 | 0.0 | U |
| 1.756 | 0.0648 | 0.0000 | 60.001 | 0.06488 | 0.00000 | 16.8 | 16.8 | 0.0 | U |
| 1.778 | 0.0764 | 0.0000 | 60.001 | 0.07639 | 0.00000 | 22.5 | 22.5 | 0.0 | U |
| 1.800 | 0.0880 | 0.0000 | 60.001 | 0.08795 | 0.00000 | 29.0 | 29.0 | 0.0 | U |
| 1.822 | 0.0995 | 0.0000 | 60.001 | 0.09944 | 0.00000 | 36.5 | 36.5 | 0.0 | U |
| 1.844 | 0.1109 | 0.0000 | 60.002 | 0.11082 | 0.00000 | 44.9 | 44.9 | 0.0 | U |
| 1.867 | 0.1221 | 0.0000 | 60.002 | 0.12204 | 0.00000 | 54.3 | 54.3 | 0.0 | U |
| 1.889 | 0.1331 | 0.0000 | 60.003 | 0.13061 | 0.00000 | 64.5 | 64.5 | 0.0 | U |
| 1.911 | 0.1439 | 0.0000 | 68.000 | 0.13364 | 0.00000 | 75.5 | 75.2 | 0.0 | U/P |
| 1.933 | 0.1546 | 0.0000 | 68.001 | 0.13372 | 0.00000 | 87.5 | 85.8 | 0.0 | U/P |
| 1.956 | 0.1649 | 0.0000 | 68.002 | 0.13388 | 0.00000 | 100.3 | 96.5 | 0.0 | U/P |
| 1.978 | 0.1751 | 0.0000 | 68.003 | 0.13412 | 0.00000 | 113.9 | 107.3 | 0.0 | U/P |
| 2.000 | 0.1856 | 0.0000 | 68.004 | 0.13444 | 0.00000 | 128.3 | 118.0 | 0.0 | U/P |
| 2.022 | 0.1981 | 0.0000 | 68.006 | 0.13484 | 0.00000 | 143.6 | 128.8 | 0.0 | U/P |
| 2.044 | 0.2148 | 0.0000 | 68.009 | 0.13533 | 0.00000 | 160.2 | 139.6 | 0.0 | U/P |
| 2.067 | 0.2369 | 0.0000 | 68.012 | 0.13595 | 0.00000 | 178.2 | 150.4 | 0.0 | U/P |
| 2.089 | 0.2630 | 0.0000 | 68.016 | 0.13672 | 0.00000 | 198.2 | 161.3 | 0.0 | U/P |
| 2.111 | 0.2903 | 0.0000 | 68.020 | 0.13768 | 0.00000 | 220.4 | 172.3 | 0.0 | U/P |
| 2.133 | 0.3171 | 0.0000 | 68.026 | 0.13882 | 0.00000 | 244.7 | 183.4 | 0.0 | U/P |
| 2.156 | 0.3418 | 0.0000 | 68.032 | 0.14014 | 0.00000 | 271.0 | 194.5 | 0.0 | U/P |
| 2.178 | 0.3637 | 0.0000 | 68.039 | 0.14162 | 0.00000 | 299.2 | 205.8 | 0.0 | U/P |
| 2.200 | 0.3836 | 0.0000 | 68.047 | 0.14323 | 0.00000 | 329.1 | 217.2 | 0.0 | U/P |
| 2.222 | 0.4019 | 0.0000 | 68.055 | 0.14496 | 0.00000 | 360.5 | 228.7 | 0.0 | U/P |
| 2.244 | 0.4190 | 0.0000 | 68.063 | 0.14678 | 0.00000 | 393.4 | 240.4 | 0.0 | U/P |
| 2.267 | 0.4351 | 0.0000 | 68.072 | 0.14869 | 0.00000 | 427.5 | 252.2 | 0.0 | U/P |
| 2.289 | 0.4504 | 0.0000 | 68.081 | 0.15067 | 0.00000 | 463.0 | 264.2 | 0.0 | U/P |
| 2.311 | 0.4650 | 0.0000 | 68.090 | 0.15271 | 0.00000 | 499.6 | 276.3 | 0.0 | U/P |
| 2.333 | 0.4789 | 0.0000 | 68.099 | 0.15482 | 0.00000 | 537.3 | 288.6 | 0.0 | U/P |
| 2.356 | 0.4923 | 0.0000 | 68.109 | 0.15697 | 0.00000 | 576.2 | 301.1 | 0.0 | U/P |
| 2.378 | 0.5052 | 0.0000 | 68.119 | 0.15917 | 0.00000 | 616.4 | 313.7 | 0.0 | U/P |
| 2.400 | 0.5177 | 0.0000 | 68.129 | 0.16141 | 0.00000 | 657.0 | 326.5 | 0.0 | U/P |
| 2.422 | 0.5298 | 0.0000 | 68.139 | 0.16368 | 0.00000 | 698.9 | 339.5 | 0.0 | U/P |
| 2.444 | 0.5415 | 0.0000 | 68.150 | 0.16598 | 0.00000 | 741.8 | 352.7 | 0.0 | U/P |
| 2.467 | 0.5529 | 0.0000 | 68.160 | 0.16830 | 0.00000 | 785.5 | 366.1 | 0.0 | U/P |
| 2.489 | 0.5639 | 0.0000 | 68.171 | 0.17066 | 0.00000 | 830.2 | 379.6 | 0.0 | U/P |
| 2.511 | 0.5767 | 0.0000 | 68.181 | 0.17303 | 0.00000 | 875.8 | 393.4 | 0.0 | U/P |
| 2.533 | 0.5949 | 0.0000 | 68.192 | 0.17544 | 0.00000 | 922.7 | 407.3 | 0.0 | U/P |
| 2.556 | 0.6227 | 0.0000 | 68.203 | 0.17791 | 0.00000 | 971.4 | 421.5 | 0.0 | U/P |
| 2.578 | 0.6602 | 0.0000 | 68.215 | 0.18050 | 0.00000 | 1022.7 | 435.8 | 0.0 | U/P |
| 2.600 | 0.7026 | 0.0000 | 68.228 | 0.18324 | 0.00000 | 1077.2 | 450.3 | 0.0 | U/P |
| 2.622 | 0.7448 | 0.0000 | 68.241 | 0.18615 | 0.00000 | 1135.1 | 465.1 | 0.0 | U/P |
| 2.644 | 0.7837 | 0.0000 | 68.255 | 0.18923 | 0.00000 | 1196.3 | 480.1 | 0.0 | U/P |
| 2.667 | 0.8168 | 0.0000 | 68.270 | 0.19245 | 0.00000 | 1260.3 | 495.4 | 0.0 | U/P |
| 2.689 | 0.8441 | 0.0000 | 68.285 | 0.19578 | 0.00000 | 1326.7 | 510.9 | 0.0 | U/P |
| 2.711 | 0.8674 | 0.0000 | 68.300 | 0.19917 | 0.00000 | 1395.2 | 526.7 | 0.0 | U/P |
| 2.733 | 0.8878 | 0.0000 | 68.316 | 0.20262 | 0.00000 | 1465.4 | 542.8 | 0.0 | U/P |
| 2.756 | 0.9061 | 0.0000 | 68.332 | 0.20609 | 0.00000 | 1537.1 | 559.1 | 0.0 | U/P |
| 2.778 | 0.9225 | 0.0000 | 68.347 | 0.20958 | 0.00000 | 1610.3 | 575.8 | 0.0 | U/P |
| 2.800 | 0.9377 | 0.0000 | 68.363 | 0.21307 | 0.00000 | 1684.7 | 592.7 | 0.0 | U/P |
| 2.822 | 0.9518 | 0.0000 | 68.378 | 0.21657 | 0.00000 | 1760.3 | 609.9 | 0.0 | U/P |
| 2.844 | 0.9650 | 0.0000 | 68.394 | 0.22005 | 0.00000 | 1837.0 | 627.3 | 0.0 | U/P |
| 2.867 | 0.9775 | 0.0000 | 68.409 | 0.22353 | 0.00000 | 1914.6 | 645.1 | 0.0 | U/P |
| 2.889 | 0.9894 | 0.0000 | 68.425 | 0.22700 | 0.00000 | 1993.3 | 663.1 | 0.0 | U/P |
| 2.911 | 1.0008 | 0.0000 | 68.440 | 0.23046 | 0.00000 | 2072.9 | 681.4 | 0.0 | U/P |
| 2.933 | 1.0117 | 0.0000 | 68.456 | 0.23389 | 0.00000 | 2153.4 | 700.0 | 0.0 | U/P |
| 2.956 | 1.0222 | 0.0000 | 68.471 | 0.23731 | 0.00000 | 2234.8 | 718.8 | 0.0 | U/P |
| 2.978 | 1.0323 | 0.0000 | 68.486 | 0.24072 | 0.00000 | 2317.0 | 737.9 | 0.0 | U/P |
| 3.000 | 1.0421 | 0.0000 | 68.501 | 0.24410 | 0.00000 | 2399.9 | 757.3 | 0.0 | U/P |
| 3.022 | 1.0640 | 0.0000 | 68.516 | 0.24748 | 0.00000 | 2484.2 | 777.0 | 0.0 | U/P |
| 3.044 | 1.1120 | 0.0000 | 68.532 | 0.25090 | 0.00000 | 2571.2 | 796.9 | 0.0 | U/P |
| 3.067 | 1.2039 | 0.0000 | 68.548 | 0.25448 | 0.00000 | 2663.9 | 817.1 | 0.0 | U/P |
| 3.089 | 1.3306 | 0.0000 | 68.566 | 0.25835 | 0.00000 | 2765.2 | 837.6 | 0.0 | U/P |
| 3.111 | 1.4678 | 0.0000 | 68.586 | 0.26262 | 0.00000 | 2877.2 | 858.5 | 0.0 | U/P |
| 3.133 | 1.5982 | 0.0000 | 68.608 | 0.26733 | 0.00000 | 2999.8 | 879.7 | 0.0 | U/P |
| 3.156 | 1.7115 | 0.0000 | 68.632 | 0.27242 | 0.00000 | 3132.2 | 901.2 | 0.0 | U/P |
| 3.178 | 1.7985 | 0.0000 | 68.656 | 0.27781 | 0.00000 | 3272.6 | 923.2 | 0.0 | U/P |
| 3.200 | 1.8650 | 0.0000 | 68.682 | 0.28341 | 0.00000 | 3419.1 | 945.7 | 0.0 | U/P |
| 3.222 | 1.9180 | 0.0000 | 68.708 | 0.28912 | 0.00000 | 3570.5 | 968.6 | 0.0 | U/P |
| 3.244 | 1.9617 | 0.0000 | 68.733 | 0.29490 | 0.00000 | 3725.7 | 991.9 | 0.0 | U/P |
| 3.267 | 1.9977 | 0.0000 | 68.759 | 0.30069 | 0.00000 | 3884.0 | 1015.8 | 0.0 | U/P |

# PONDS Version 3.2.0207 

Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Temp Inetrim Pond 100 Yr/24 Hr

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infilitration Rate (fis/s) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 3.289 | 2.0284 | 0.0000 | 68.785 | 0.30648 | 0.00000 | 4045.1 | 1040.1 | 0.0 | U/P |
| 3.311 | 2.0548 | 0.0000 | 68.811 | 0.31224 | 0.00000 | 4208.4 | 1064.8 | 0.0 | U/P |
| 3.333 | 2.0779 | 0.0000 | 68.836 | 0.31797 | 0.00000 | 4373.7 | 1090.0 | 0.0 | U/P |
| 3.356 | 2.0987 | 0.0000 | 68.862 | 0.32365 | 0.00000 | 4540.8 | 1115.7 | 0.0 | U/P |
| 3.378 | 2.1175 | 0.0000 | 68.887 | 0.32929 | 0.00000 | 4709.4 | 1141.8 | 0.0 | U/P |
| 3.400 | 2.1348 | 0.0000 | 68.911 | 0.33487 | 0.00000 | 4879.5 | 1168.4 | 0.0 | U/P |
| 3.422 | 2.1508 | 0.0000 | 68.936 | 0.34039 | 0.00000 | 5050.9 | 1195.4 | 0.0 | U/P |
| 3.444 | 2.1657 | 0.0000 | 68.960 | 0.34586 | 0.00000 | 5223.6 | 1222.8 | 0.0 | U/P |
| 3.467 | 2.1799 | 0.0000 | 68.984 | 0.35127 | 0.00000 | 5397.4 | 1250.7 | 0.0 | U/P |
| 3.489 | 2.1933 | 0.0000 | 69.008 | 0.35662 | 0.00000 | 5572.3 | 1279.0 | 0.0 | U/P |
| 3.511 | 2.2075 | 0.0000 | 69.032 | 0.36192 | 0.00000 | 5748.4 | 1307.8 | 0.0 | U/P |
| 3.533 | 2.2277 | 0.0000 | 69.055 | 0.36717 | 0.00000 | 5925.8 | 1336.9 | 0.0 | U/P |
| 3.556 | 2.2596 | 0.0000 | 69.078 | 0.37239 | 0.00000 | 6105.3 | 1366.5 | 0.0 | U/P |
| 3.578 | 2.3072 | 0.0000 | 69.102 | 0.37762 | 0.00000 | 6288.0 | 1396.5 | 0.0 | U/P |
| 3.600 | 2.3648 | 0.0000 | 69.125 | 0.38288 | 0.00000 | 6474.8 | 1426.9 | 0.0 | U/P |
| 3.622 | 2.4236 | 0.0000 | 69.149 | 0.38821 | 0.00000 | 6666.4 | 1457.8 | 0.0 | U/P |
| 3.644 | 2.4777 | 0.0000 | 69.174 | 0.39360 | 0.00000 | 6862.4 | 1489.1 | 0.0 | U/P |
| 3.667 | 2.5233 | 0.0000 | 69.198 | 0.39905 | 0.00000 | 7062.5 | 1520.8 | 0.0 | U/P |
| 3.689 | 2.5589 | 0.0000 | 69.222 | 0.40452 | 0.00000 | 7265.7 | 1552.9 | 0.0 | U/P |
| 3.711 | 2.5869 | 0.0000 | 69.247 | 0.41000 | 0.00000 | 7471.6 | 1585.5 | 0.0 | U/P |
| 3.733 | 2.6099 | 0.0000 | 69.271 | 0.41546 | 0.00000 | 7679.5 | 1618.5 | 0.0 | U/P |
| 3.756 | 2.6292 | 0.0000 | 69.295 | 0.42090 | 0.00000 | 7889.0 | 1652.0 | 0.0 | U/P |
| 3.778 | 2.6456 | 0.0000 | 69.320 | 0.42630 | 0.00000 | 8100.0 | 1685.8 | 0.0 | U/P |
| 3.800 | 2.6600 | 0.0000 | 69.343 | 0.43166 | 0.00000 | $83\{2.2$ | 1720.2 | 0.0 | U/P |
| 3.822 | 2.6726 | 0.0000 | 69.367 | 0.43697 | 0.00000 | 8525.5 | 1754.9 | 0.0 | U/P |
| 3.844 | 2.6840 | 0.0000 | 69.390 | 0.44224 | 0.00000 | 8739.8 | 1790.1 | 0.0 | U/P |
| 3.867 | 2.6945 | 0.0000 | 69.414 | 0.44747 | 0.00000 | 8954.9 | 1825.7 | 0.0 | U/P |
| 3.889 | 2.7041 | 0.0000 | 69.437 | 0.45264 | 0.00000 | 9170.9 | 1861.7 | 0.0 | U/P |
| 3.911 | 2.7131 | 0.0000 | 69.459 | 0.45776 | 0.00000 | 9387.6 | 1898.1 | 0.0 | U/P |
| 3.933 | 2.7216 | 0.0000 | 69.482 | 0.46284 | 0.00000 | 9605.0 | 1934.9 | 0.0 | U/P |
| 3.956 | 2.7297 | 0.0000 | 69.504 | 0.46787 | 0.00000 | 9823.0 | 1972.1 | 0.0 | U/P |
| 3.978 | 2.7374 | 0.0000 | 69.527 | 0.47286 | 0.00000 | 10041.7 | 2009.8 | 0.0 | U/P |
| 4.000 | 2.7447 | 0.0000 | 69.549 | 0.47779 | 0.00000 | 10261.0 | 2047.8 | 0.0 | U/P |
| 4.022 | 2.7618 | 0.0000 | 69.570 | 0.48269 | 0.00000 | 10481.3 | 2086.2 | 0.0 | U/P |
| 4.044 | 2.8053 | 0.0000 | 69.592 | 0.48757 | 0.00000 | 10703.9 | 2125.0 | 0.0 | U/P |
| 4.067 | 2.8957 | 0.0000 | 69.614 | 0.49250 | 0.00000 | 10932.0 | 2164.2 | 0.0 | U/P |
| 4.089 | 3.0332 | 0.0000 | 69.637 | 0.49755 | 0.00000 | 11169.1 | 2203.8 | 0.0 | U/P |
| 4.111 | 3.1933 | 0.0000 | 69.661 | 0.50282 | 0.00000 | 11418.2 | 2243.8 | 0.0 | U/P |
| 4.133 | 3.3508 | 0.0000 | 69.687 | 0.50833 | 0.00000 | 11679.9 | 2284.3 | 0.0 | U/P |
| 4.156 | 3.4897 | 0.0000 | 69.713 | 0.51408 | 0.00000 | 11953.6 | 2325.2 | 0.0 | U/P |
| 4.178 | 3.5984 | 0.0000 | 69.740 | 0.52003 | 0.00000 | 12237.1 | 2366.5 | 0.0 | U/P |
| 4.200 | 3.6777 | 0.0000 | 69.767 | 0.52612 | 0.00000 | 12528.1 | 2408.4 | 0.0 | U/P |
| 4.222 | 3.7363 | 0.0000 | 69.795 | 0.53228 | 0.00000 | 12824.7 | 2450.7 | 0.0 | U/P |
| 4.244 | 3.7813 | 0.0000 | 69.822 | 0.53847 | 0.00000 | 13125.4 | 2493.5 | 0.0 | U/P |
| 4.267 | 3.8159 | 0.0000 | 69.850 | 0.54467 | 0.00000 | 13429.3 | 2536.9 | 0.0 | U/P |
| 4.289 | 3.8430 | 0.0000 | 69.878 | 0.55086 | 0.00000 | 13735.6 | 2580.7 | 0.0 | U/P |
| 4.311 | 3.8646 | 0.0000 | 69.905 | 0.55701 | 0.00000 | 14043.9 | 2625.0 | 0.0 | U/P |
| 4.333 | 3.8820 | 0.0000 | 69.932 | 0.56313 | 0.00000 | 14353.8 | 2669.8 | 0.0 | U/P |
| 4.356 | 3.8965 | 0.0000 | 69.959 | 0.56921 | 0.00000 | 14664.9 | 2715.1 | 0.0 | U/P |
| 4.378 | 3.9087 | 0.0000 | 69.986 | 0.57523 | 0.00000 | 14977.1 | 2760.9 | 0.0 | U/P |
| 4.400 | 3.9193 | 0.0000 | 70.013 | 0.58603 | 0.00000 | 15290.3 | 2807.1 | 0.0 | U/P |
| 4.422 | 3.9286 | 0.0000 | 70.038 | 0.60635 | 0.00000 | 15604.2 | 2854.7 | 0.0 | U/P |
| 4.444 | 3.9370 | 0.0000 | 70.062 | 0.63085 | 0.00000 | 15918.8 | 2904.2 | 0.0 | U/P |
| 4.467 | 3.9447 | 0.0000 | 70.086 | 0.65432 | 0.00000 | 16234.1 | 2955.6 | 0.0 | U/P |
| 4.489 | 3.9518 | 0.0000 | 70.108 | 0.67687 | 0.00000 | 16549.9 | 3008.9 | 0.0 | U/P |
| 4.511 | 3.9583 | 0.0000 | 70.130 | 0.69858 | 0.00000 | 16866.3 | 3063.9 | 0.0 | U/P |
| 4.533 | 3.9672 | 0.0000 | 70.151 | 0.71956 | 0.00000 | 17183.4 | 3120.6 | 0.0 | U/P |
| 4.556 | 3.9817 | 0.0000 | 70.171 | 0.73986 | 0.00000 | 17501.3 | 3179.0 | 0.0 | U/P |
| 4.578 | 4.0064 | 0.0000 | 70.191 | 0.75960 | 0.00000 | 17820.8 | 3239.0 | 0.0 | U/P |
| 4.600 | 4.0390 | 0.0000 | 70.210 | 0.77886 | 0.00000 | 18142.7 | 3300.6 | 0.0 | U/P |
| 4.622 | 4.0739 | 0.0000 | 70.229 | 0.79772 | 0.00000 | 18467.2 | 3363.6 | 0.0 | U/P |
| 4.644 | 4.1068 | 0.0000 | 70.248 | 0.81623 | 0.00000 | 18794.4 | 3428.2 | 0.0 | U/P |
| 4.667 | 4.1352 | 0.0000 | 70.266 | 0.83441 | 0.00000 | 19124.1 | 3494.2 | 0.0 | U/P |
| 4.689 | 4.1570 | 0.0000 | 70.284 | 0.85225 | 0.00000 | 19455.8 | 3561.7 | 0.0 | U/P |
| 4.711 | 4.1735 | 0.0000 | 70.302 | 0.86974 | 0.00000 | 19789.0 | 3630.6 | 0.0 | U/P |
| 4.733 | 4.1865 | 0.0000 | 70.319 | 0.88689 | 0.00000 | 20123.4 | 3700.9 | 0.0 | U/P |
| 4.756 | 4.1971 | 0.0000 | 70.336 | 0.90369 | 0.00000 | 20458.7 | 3772.5 | 0.0 | U/P |
| 4.778 | 4.2058 | 0.0000 | 70.352 | 0.92016 | 0.00000 | 20794.8 | 3845.4 | 0.0 | U/P |
| 4.800 | 4.2132 | 0.0000 | 70.369 | 0.93630 | 0.00000 | 21131.6 | 3919.7 | 0.0 | U/P |
| 4.822 | 4.2195 | 0.0000 | 70.384 | 0.95212 | 0.00000 | 21468.9 | 3995.2 | 0.0 | U/P |
| 4.844 | 4.2251 | 0.0000 | 70.400 | 0.96765 | 0.00000 | 21806.7 | 4072.0 | 0.0 | U/P |
| 4.867 | 4.2301 | 0.0000 | 70.415 | 0.98288 | 0.00000 | 22144.9 | 4150.1 | 0.0 | U/P |
| 4.889 | 4.2346 | 0.0000 | 70.430 | 0.99783 | 0.00000 | 22483.5 | 4229.3 | 0.0 | U/P |
| 4.911 | 4.2388 | 0.0000 | 70.445 | 1.01251 | 0.00000 | 22822.4 | 4309.7 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: Temp Inetrim Pond $100 \mathrm{Yr} / 24 \mathrm{Hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 /} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{t}^{1} / \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4.933 | 4.2427 | 0.0000 | 70.460 | 1.02694 | 0.00000 | 23161.7 | 4391.3 | 0.0 | U/P |
| 4.956 | 4.2464 | 0.0000 | 70.474 | 1.04112 | 0.00000 | 23501.3 | 4474.0 | 0.0 | U/P |
| 4.978 | 4.2499 | 0.0000 | 70.488 | 1.05506 | 0.00000 | 23841.1 | 4557.9 | 0.0 | U/P |
| 5.000 | 4.2541 | 0.0000 | 70.502 | 1.06878 | 0.00000 | 24181.3 | 4642.8 | 0.0 | U/P |
| 5.022 | 4.2617 | 0.0000 | 70.515 | 1.08229 | 0.00000 | 24521.9 | 4728.9 | 0.0 | U/P |
| 5.044 | 4.2756 | 0.0000 | 70.529 | 1.09561 | 0.00000 | 24863.4 | 4816.0 | 0.0 | U/P |
| 5.067 | 4.2974 | 0.0000 | 70.542 | 1.10878 | 0.00000 | 25206.3 | 4904.2 | 0.0 | U/P |
| 5.089 | 4.3242 | 0.0000 | 70.555 | 1.12182 | 0.00000 | 25551.2 | 4993.4 | 0.0 | U/P |
| 5.111 | 4.3513 | 0.0000 | 70.568 | 1.13476 | 0.00000 | 25898.2 | 5083.7 | 0.0 | U/P |
| 5.133 | 4.3759 | 0.0000 | 70.581 | 1.14761 | 0.00000 | 26247.3 | 5175.0 | 0.0 | U/P |
| 5.156 | 4.3961 | 0.0000 | 70.594 | 1.16036 | 0.00000 | 26598.2 | 5267.3 | 0.0 | U/P |
| 5.178 | 4.4112 | 0.0000 | 70.607 | 1.17300 | 0.00000 | 26950.5 | 5360.6 | 0.0 | U/P |
| 5.200 | 4.4226 | 0.0000 | 70.620 | 1.18552 | 0.00000 | 27303.8 | 5455.0 | 0.0 | U/P |
| 5.222 | 4.4315 | 0.0000 | 70.632 | 1.19790 | 0.00000 | 27658.0 | 5550.3 | 0.0 | U/P |
| 5.244 | 4.4386 | 0.0000 | 70.645 | 1.21015 | 0.00000 | 28012.8 | 5646.6 | 0.0 | U/P |
| 5.267 | 4.4443 | 0.0000 | 70.657 | 1.22225 | 0.00000 | 28368.1 | 5743.9 | 0.0 | U/P |
| 5.289 | 4.4491 | 0.0000 | 70.669 | 1.23421 | 0.00000 | 28723.8 | 5842.2 | 0.0 | U/P |
| 5.311 | 4.4531 | 0.0000 | 70.681 | 1.24603 | 0.00000 | 29079.9 | 5941.4 | 0.0 | U/P |
| 5.333 | 4.4566 | 0.0000 | 70.693 | 1.25771 | 0.00000 | 29436.3 | 6041.6 | 0.0 | U/P |
| 5.356 | 4.4597 | 0.0000 | 70.704 | 1.26926 | 0.00000 | 29793.0 | 6142.7 | 0.0 | U/P |
| 5.378 | 4.4625 | 0.0000 | 70.716 | 1.28067 | 0.00000 | 30149.8 | 6244.6 | 0.0 | U/P |
| 5.400 | 4.4650 | 0.0000 | 70.727 | 1.29195 | 0.00000 | 30506.9 | 6347.6 | 0.0 | U/P |
| 5.422 | 4.4674 | 0.0000 | 70.738 | 1.30310 | 0.00000 | 30864.2 | 6451.4 | 0.0 | U/P |
| 5.444 | 4.4696 | 0.0000 | 70.750 | 1.31412 | 0.00000 | 31221.7 | 6556.1 | 0.0 | U/P |
| 5.467 | 4.4718 | 0.0000 | 70.761 | 1.32503 | 0.00000 | 31579.4 | 6661.6 | 0.0 | U/P |
| 5.489 | 4.4738 | 0.0000 | 70.772 | 1.33581 | 0.00000 | 31937.2 | 6768.1 | 0.0 | U/P |
| 5.511 | 4.4757 | 0.0000 | 70.782 | 1.34648 | 0.00000 | 32295.2 | 6875.4 | 0.0 | U/P |
| 5.533 | 4.4775 | 0.0000 | 70.793 | 1.35704 | 0.00000 | 32653.3 | 6983.5 | 0.0 | U/P |
| 5.556 | 4.4793 | 0.0000 | 70.804 | 1.36748 | 0.00000 | 33011.6 | 7092.5 | 0.0 | U/P |
| 5.578 | 4.4809 | 0.0000 | 70.814 | 1.37782 | 0.00000 | 33370.0 | 7202.3 | 0.0 | U/P |
| 5.600 | 4.4826 | 0.0000 | 70.824 | 1.38805 | 0.00000 | 33728.5 | 7312.9 | 0.0 | U/P |
| 5.622 | 4.4842 | 0.0000 | 70.835 | 1.39818 | 0.00000 | 34087.2 | 7424.4 | 0.0 | U/P |
| 5.644 | 4.4858 | 0.0000 | 70.845 | 1.40821 | 0.00000 | 34446.0 | 7536.6 | 0.0 | U/P |
| 5.667 | 4.4873 | 0.0000 | 70.855 | 1.41814 | 0.00000 | 34804.9 | 7649.7 | 0.0 | U/P |
| 5.689 | 4.4888 | 0.0000 | 70.865 | 1.42797 | 0.00000 | 35164.0 | 7763.5 | 0.0 | U/P |
| 5.711 | 4.4903 | 0.0000 | 70.874 | 1.43771 | 0.00000 | 35523.1 | 7878.2 | 0.0 | U/P |
| 5.733 | 4.4917 | 0.0000 | 70.884 | 1.44736 | 0.00000 | 35882.4 | 7993.6 | 0.0 | U/P |
| 5.756 | 4.4932 | 0.0000 | 70.894 | 1.45692 | 0.00000 | 36241.8 | 8109.7 | 0.0 | U/P |
| 5.778 | 4.4945 | 0.0000 | 70.903 | 1.46639 | 0.00000 | 36601.3 | 8226.7 | 0.0 | U/P |
| 5.800 | 4.4959 | 0.0000 | 70.913 | 1.47578 | 0.00000 | 36960.9 | 8344.4 | 0.0 | U/P |
| 5.822 | 4.4972 | 0.0000 | 70.922 | 1.48508 | 0.00000 | 37320.7 | 8462.8 | 0.0 | U/P |
| 5.844 | 4.4985 | 0.0000 | 70.932 | 1.49430 | 0.00000 | 37680.5 | 8582.0 | 0.0 | U/P |
| 5.867 | 4.4998 | 0.0000 | 70.941 | 1.50344 | 0.00000 | 38040.4 | 8701.9 | 0.0 | U/P |
| 5.889 | 4.5010 | 0.0000 | 70.950 | 1.51250 | 0.00000 | 38400.5 | 8822.5 | 0.0 | U/P |
| 5.911 | 4.5023 | 0.0000 | 70.959 | 1.52148 | 0.00000 | 38760.6 | 8943.9 | 0.0 | U/P |
| 5.933 | 4.5035 | 0.0000 | 70.968 | 1.53039 | 0.00000 | 39120.8 | 9066.0 | 0.0 | U/P |
| 5.956 | 4.5046 | 0.0000 | 70.977 | 1.53922 | 0.00000 | 39481.1 | 9188.8 | 0.0 | U/P |
| 5.978 | 4.5058 | 0.0000 | 70.986 | 1.54798 | 0.00000 | 39841.6 | 9312.2 | 0.0 | U/P |
| 6.000 | 4.5069 | 0.0000 | 70.995 | 1.55667 | 0.00000 | 40202.1 | 9436.4 | 0.0 | U/P |
| 6.022 | 4.5813 | 0.0000 | 71.004 | 1.56534 | 0.00000 | 40565.6 | 9561.3 | 0.0 | U/P |
| 6.044 | 4.8098 | 0.0000 | 71.013 | 1.57421 | 0.00000 | 40941.2 | 9686.9 | 0.0 | U/P |
| 6.067 | 5.2950 | 0.0000 | 71.023 | 1.58374 | 0.00000 | 41345.4 | 9813.2 | 0.0 | U/P |
| 6.089 | 5.9786 | 0.0000 | 71.035 | 1.59453 | 0.00000 | 41796.4 | 9940.3 | 0.0 | U/P |
| 6.111 | 6.7138 | 0.0000 | 71.048 | 1.60705 | 0.00000 | 42304.1 | 10068.3 | 0.0 | U/P |
| 6.133 | 7.3981 | 0.0000 | 71.064 | 1.62143 | 0.00000 | 42868.5 | 10197.4 | 0.0 | U/P |
| 6.156 | 7.9728 | 0.0000 | 71.081 | 1.63752 | 0.00000 | 43483.4 | 10327.7 | 0.0 | U/P |
| 6.178 | 8.3864 | 0.0000 | 71.099 | 1.65495 | 0.00000 | 44137.8 | 10459.4 | 0.0 | U/P |
| 6.200 | 8.6755 | 0.0000 | 71.118 | 1.67331 | 0.00000 | 44820.2 | 10592.5 | 0.0 | U/P |
| 6.222 | 8.8841 | 0.0000 | 71.138 | 1.69223 | 0.00000 | 45522.6 | 10727.1 | 0.0 | U/P |
| 6.244 | 9.0390 | 0.0000 | 71.157 | 1.71146 | 0.00000 | 46239.5 | 10863.3 | 0.0 | U/P |
| 6.267 | 9.1500 | 0.0000 | 71.177 | 1.73084 | 0.00000 | 46967.1 | 11001.0 | 0.0 | U/P |
| 6.289 | 9.2316 | 0.0000 | 71.197 | 1.75026 | 0.00000 | 47702.4 | 11140.2 | 0.0 | U/P |
| 6.311 | 9.2911 | 0.0000 | 71.216 | 1.76963 | 0.00000 | 48443.3 | 11281.0 | 0.0 | U/P |
| 6.333 | 9.3344 | 0.0000 | 71.236 | 1.78889 | 0.00000 | 49188.3 | 11423.4 | 0.0 | U/P |
| 6.356 | 9.3667 | 0.0000 | 71.255 | 1.80802 | 0.00000 | 49936.3 | 11567.2 | 0.0 | U/P |
| 6.378 | 9.3907 | 0.0000 | 71.274 | 1.82697 | 0.00000 | 50686.6 | 11712.6 | 0.0 | U/P |
| 6.400 | 9.4089 | 0.0000 | 71.293 | 1.84575 | 0.00000 | 51438.6 | 11859.6 | 0.0 | U/P |
| 6.422 | 9.4225 | 0.0000 | 71.312 | 1.86434 | 0.00000 | 52191.9 | 12008.0 | 0.0 | U/P |
| 6.444 | 9.4331 | 0.0000 | 71.331 | 1.88273 | 0.00000 | 52946.1 | 12157.9 | 0.0 | U/P |
| 6.467 | 9.4419 | 0.0000 | 71.349 | 1.90093 | 0.00000 | 53701.1 | 12309.2 | 0.0 | U/P |
| 6.489 | 9.4489 | 0.0000 | 71.367 | 1.91893 | 0.00000 | 54456.7 | 12462.0 | 0.0 | U/P |
| 6.511 | 9.4596 | 0.0000 | 71.385 | 1.93675 | 0.00000 | 55213.1 | 12616.2 | 0.0 | U/P |
| 6.533 | 9.4918 | 0.0000 | 71.403 | 1.95439 | 0.00000 | 55971.1 | 12771.9 | 0.0 | U/P |
| 6.556 | 9.5659 | 0.0000 | 71.421 | 1.97192 | 0.00000 | 56733.4 | 12928.9 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Temp Inetrim Pond 100 Yr/24 Hr

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / 5}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume (ft ${ }^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 6.578 | 9.6952 | 0.0000 | 71.439 | 1.98943 | 0.00000 | 57503.9 | 13087.4 | 0.0 | U/P |
| 6.600 | 9.8595 | 0.0000 | 71.457 | 2.00704 | 0.00000 | 58286.1 | 13247.2 | 0.0 | U/P |
| 6.622 | 10.0282 | 0.0000 | 71.475 | 2.02480 | 0.00000 | 59081.6 | 13408.5 | 0.0 | U/P |
| 6.644 | 10.1806 | 0.0000 | 71.493 | 2.04273 | 0.00000 | 59889.9 | 13571.2 | 0.0 | U/P |
| 6.667 | 10.3036 | 0.0000 | 71.511 | 2.06080 | 0.00000 | 60709.3 | 13735.4 | 0.0 | U/P |
| 6.689 | 10.3918 | 0.0000 | 71.530 | 2.07894 | 0.00000 | 61537.1 | 13900.9 | 0.0 | U/P |
| 6.711 | 10.4543 | 0.0000 | 71.548 | 2.09708 | 0.00000 | 62371.0 | 14068.0 | 0.0 | U/P |
| 6.733 | 10.5001 | 0.0000 | 71.567 | 2.11517 | 0.00000 | 63209.1 | 14236.5 | 0.0 | U/P |
| 6.756 | 10.5340 | 0.0000 | 71.585 | 2.13316 | 0.00000 | 64050.5 | 14406.4 | 0.0 | U/P |
| 6.778 | 10.5588 | 0.0000 | 71.603 | 2.15104 | 0.00000 | 64894.2 | 14577.8 | 0.0 | U/P |
| 6.800 | 10.5773 | 0.0000 | 71.621 | 2.16878 | 0.00000 | 65739.7 | 14750.6 | 0.0 | U/P |
| 6.822 | 10.5910 | 0.0000 | 71.639 | 2.18639 | 0.00000 | 66586.4 | 14924.8 | 0.0 | U/P |
| 6.844 | 10.6013 | 0.0000 | 71.656 | 2.20384 | 0.00000 | 67434.1 | 15100.4 | 0.0 | U/P |
| 6.867 | 10.6092 | 0.0000 | 71.674 | 2.22115 | 0.00000 | 68282.5 | 15277.4 | 0.0 | U/P |
| 6.889 | 10.6154 | 0.0000 | 71.691 | 2.23830 | 0.00000 | 69131.5 | 15455.8 | 0.0 | U/P |
| 6.911 | 10.6202 | 0.0000 | 71.708 | 2.25530 | 0.00000 | 69980.9 | 15635.5 | 0.0 | U/P |
| 6.933 | 10.6241 | 0.0000 | 71.725 | 2.27215 | 0.00000 | 70830.7 | 15816.6 | 0.0 | U/P |
| 6.956 | 10.6274 | 0.0000 | 71.742 | 2.28885 | 0.00000 | 71680.7 | 15999.1 | 0.0 | U/P |
| 6.978 | 10.6302 | 0.0000 | 71.759 | 2.30540 | 0.00000 | 72531.0 | 16182.8 | 0.0 | U/P |
| 7.000 | 10.6326 | 0.0000 | 71.775 | 2.32181 | 0.00000 | 73381.6 | 16367.9 | 0.0 | U/P |
| 7.022 | 10.6637 | 0.0000 | 71.792 | 2.33809 | 0.00000 | 74233.4 | 16554.3 | 0.0 | U/P |
| 7.044 | 10.7722 | 0.0000 | 71.808 | 2.35430 | 0.00000 | 75090.8 | 16742.0 | 0.0 | U/P |
| 7.067 | 11.0170 | 0.0000 | 71.825 | 2.37062 | 0.00000 | 75962.4 | 16931.0 | 0.0 | U/P |
| 7.089 | 11.3980 | 0.0000 | 71.842 | 2.38725 | 0.00000 | 76859.0 | 17121.3 | 0.0 | U/P |
| 7.111 | 11.8439 | 0.0000 | 71.860 | 2.40443 | 0.00000 | 77788.7 | 17313.0 | 0.0 | U/P |
| 7.133 | 12.2809 | 0.0000 | 71.878 | 2.42226 | 0.00000 | 78753.7 | 17506.0 | 0.0 | U/P |
| 7.156 | 12.6626 | 0.0000 | 71.897 | 2.44072 | 0.00000 | 79751.4 | 17700.5 | 0.0 | U/P |
| 7.178 | 12.9557 | 0.0000 | 71.917 | 2.45970 | 0.00000 | 80776.1 | 17896.6 | 0.0 | U/P |
| 7.200 | 13.1630 | 0.0000 | 71.937 | 2.47904 | 0.00000 | 81820.9 | 18094.1 | 0.0 | U/P |
| 7.222 | 13.3103 | 0.0000 | 71.957 | 2.49859 | 0.00000 | 82879.8 | 18293.2 | 0.0 | U/P |
| 7.244 | 13.4182 | 0.0000 | 71.977 | 2.51822 | 0.00000 | 83949.0 | 18493.9 | 0.0 | U/P |
| 7.267 | 13.4966 | 0.0000 | 71.997 | 2.53787 | 0.00000 | 85025.5 | 18696.1 | 0.0 | U/P |
| 7.289 | 13.5535 | 0.0000 | 72.016 | 2.55610 | 0.00000 | 86107.5 | 18899.9 | 0.0 | U/P |
| 7.311 | 13.5950 | 0.0000 | 72.036 | 2.57260 | 0.00000 | 87193.5 | 19105.1 | 0.0 | U/P |
| 7.333 | 13.6251 | 0.0000 | 72.056 | 2.58874 | 0.00000 | 88282.3 | 19311.5 | 0.0 | U/P |
| 7.356 | 13.6472 | 0.0000 | 72.076 | 2.60481 | 0.00000 | 89373.2 | 19519.3 | 0.0 | U/P |
| 7.378 | 13.6636 | 0.0000 | 72.095 | 2.62079 | 0.00000 | 90465.6 | 19728.3 | 0.0 | U/P |
| 7.400 | 13.6758 | 0.0000 | 72.114 | 2.63667 | 0.00000 | 91559.2 | 19938.6 | 0.0 | U/P |
| 7.422 | 13.6849 | 0.0000 | 72.134 | 2.65246 | 0.00000 | 92653.6 | 20150.2 | 0.0 | U/P |
| 7.444 | 13.6919 | 0.0000 | 72.153 | 2.66814 | 0.00000 | 93748.7 | 20363.0 | 0.0 | U/P |
| 7.467 | 13.6974 | 0.0000 | 72.172 | 2.68371 | 0.00000 | 94844.3 | 20577.1 | 0.0 | U/P |
| 7.489 | 13.7018 | 0.0000 | 72.191 | 2.69918 | 0.00000 | 95940.2 | 20792.4 | 0.0 | U/P |
| 7.511 | 13.7051 | 0.0000 | 72.210 | 2.71455 | 0.00000 | 97036.5 | 21009.0 | 0.0 | U/P |
| 7.533 | 13.7605 | 0.0000 | 72.228 | 2.72984 | 0.00000 | 98135.1 | 21226.7 | 0.0 | U/P |
| 7.556 | 13.9286 | 0.0000 | 72.247 | 2.74511 | 0.00000 | 99242.7 | 21445.7 | 0.0 | U/P |
| 7.578 | 14.2866 | 0.0000 | 72.266 | 2.76054 | 0.00000 | 100371.3 | 21666.0 | 0.0 | U/P |
| 7.600 | 14.7956 | 0.0000 | 72.286 | 2.77633 | 0.00000 | 101534.6 | 21887.4 | 0.0 | U/P |
| 7.622 | 15.3478 | 0.0000 | 72.306 | 2.79267 | 0.00000 | 102740.3 | 22110.2 | 0.0 | U/P |
| 7.644 | 15.8644 | 0.0000 | 72.327 | 2.80960 | 0.00000 | 103988.8 | 22334.2 | 0.0 | U/P |
| 7.667 | 16.2999 | 0.0000 | 72.349 | 2.82709 | 0.00000 | 105275.4 | 22559.7 | 0.0 | U/P |
| 7.689 | 16.6155 | 0.0000 | 72.371 | 2.84501 | 0.00000 | 106592.0 | 22786.6 | 0.0 | U/P |
| 7.711 | 16.8360 | 0.0000 | 72.393 | 2.86322 | 0.00000 | 107930.1 | 23014.9 | 0.0 | U/P |
| 7.733 | 16.9944 | 0.0000 | 72.416 | 2.88159 | 0.00000 | 109283.3 | 23244.7 | 0.0 | U/P |
| 7.756 | 17.1116 | 0.0000 | 72.439 | 2.90004 | 0.00000 | 110647.5 | 23476.0 | 0.0 | U/P |
| 7.778 | 17.1954 | 0.0000 | 72.461 | 2.91850 | 0.00000 | 112019.8 | 23708.7 | 0.0 | U/P |
| 7.800 | 17.2566 | 0.0000 | 72.484 | 2.93693 | 0.00000 | 113397.9 | 23942.9 | 0.0 | U/P |
| 7.822 | 17.3009 | 0.0000 | 72.506 | 2.95530 | 0.00000 | 114780.2 | 24178.6 | 0.0 | U/P |
| 7.844 | 17.3329 | 0.0000 | 72.528 | 2.97360 | 0.00000 | 116165.5 | 24415.8 | 0.0 | U/P |
| 7.867 | 17.3564 | 0.0000 | 72.551 | 2.99180 | 0.00000 | 117553.1 | 24654.4 | 0.0 | U/P |
| 7.889 | 17.3738 | 0.0000 | 72.573 | 3.00990 | 0.00000 | 118942.3 | 24894.5 | 0.0 | U/P |
| 7.911 | 17.3866 | 0.0000 | 72.595 | 3.02788 | 0.00000 | 120332.7 | 25136.0 | 0.0 | U/P |
| 7.933 | 17.3960 | 0.0000 | 72.617 | 3.04576 | 0.00000 | 121724.0 | 25378.9 | 0.0 | U/P |
| 7.956 | 17.4031 | 0.0000 | 72.838 | 3.06352 | 0.00000 | 123116.0 | 25623.3 | 0.0 | U/P |
| 7.978 | 17.4089 | 0.0000 | 72.660 | 3.08117 | 0.00000 | 124508.5 | 25869.1 | 0.0 | U/P |
| 8.000 | 17.4325 | 0.0000 | 72.681 | 3.09871 | 0.00000 | 125902.1 | 26116.3 | 0.0 | U/P |
| 8.022 | 17.5293 | 0.0000 | 72.703 | 3.11617 | 0.00000 | 127300.6 | 26364.9 | 0.0 | U/P |
| 8.044 | 17.7638 | 0.0000 | 72.724 | 3.13366 | 0.00000 | 128712.3 | 26614.9 | 0.0 | U/P |
| 8.067 | 18.1686 | 0.0000 | 72.746 | 3.15131 | 0.00000 | 130149.6 | 26866.3 | 0.0 | U/P |
| 8.089 | \$8.6789 | 0.0000 | 72.768 | 3.16931 | 0.00000 | 131623.5 | 27119.1 | 0.0 | U/P |
| 8.111 | 19.1997 | 0.0000 | 72.791 | 3.18776 | 0.00000 | 133138.7 | 27373.3 | 0.0 | U/P |
| 8.133 | 19.6678 | 0.0000 | 72.814 | 3.20668 | 0.00000 | 134693.3 | 27629.1 | 0.0 | U/P |
| 8.156 | 20.0425 | 0.0000 | 72.838 | 3.22600 | 0.00000 | 136281.8 | 27886.4 | 0.0 | U/P |
| 8.178 | 20.3094 | 0.0000 | 72.862 | 3.24562 | 0.00000 | 137895.8 | 28145.3 | 0.0 | U/P |
| 8.200 | 20.4973 | 0.0000 | 72.887 | 3.26542 | 0.00000 | 139528.1 | 28405.7 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Temp Inetrim Pond 100 Yr/24 Hr

| Elapsed Time (hours) | inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge ( $\mathrm{H} / \mathrm{day}$ ) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 8.222 | 20.6335 | 0.0000 | 72.911 | 3.28530 | 0.00000 | 141173.3 | 28667.7 | 0.0 | U/P |
| 8.244 | 20.7333 | 0.0000 | 72.935 | 3.30519 | 0.00000 | 142828.0 | 28931.4 | 0.0 | U/P |
| 8.267 | 20.8049 | 0.0000 | 72.960 | 3.32506 | 0.00000 | 144489.5 | 29196.6 | 0.0 | U/P |
| 8.289 | 20.8571 | 0.0000 | 72.984 | 3.34487 | 0.00000 | 146156.0 | 29463.4 | 0.0 | U/P |
| 8.311 | 20.8947 | 0.0000 | 73.008 | 3.36461 | 0.00000 | 147826.1 | 29731.8 | 0.0 | U/P |
| 8.333 | 20.9220 | 0.0000 | 73.032 | 3.38425 | 0.00000 | 149498.8 | 30001.7 | 0.0 | U/P |
| 8.356 | 20.9420 | 0.0000 | 73.056 | 3.40379 | 0.00000 | $15 \$ 173.3$ | 30273.2 | 0.0 | U/P |
| 8.378 | 20.9568 | 0.0000 | 73.080 | 3.42321 | 0.00000 | 152849.3 | 30546.3 | 0.0 | U/P |
| 8.400 | 20.9676 | 0.0000 | 73.103 | 3.44252 | 0.00000 | 154526.2 | 30820.9 | 0.0 | U/P |
| 8.422 | 20.9755 | 0.0000 | 73.127 | 3.46172 | 0.00000 | 156204.0 | 31097.1 | 0.0 | U/P |
| 8.444 | 20.9816 | 0.0000 | 73.150 | 3.48079 | 0.00000 | 157882.2 | 31374.8 | 0.0 | U/P |
| 8.467 | 20.9865 | 0.0000 | 73.173 | 3.49975 | 0.00000 | 159561.0 | 31654.0 | 0.0 | U/P |
| 8.489 | 20.9900 | 0.0000 | 73.196 | 3.51859 | 0.00000 | 161240.0 | 31934.8 | 0.0 | U/P |
| 8.511 | 20.9924 | 0.0000 | 73.219 | 3.53732 | 0.00000 | 162919.3 | 32217.0 | 0.0 | U/P |
| 8.533 | 20.9937 | 0.0000 | 73.242 | 3.55593 | 0.00000 | 164598.8 | 32500.8 | 0.0 | U/P |
| 8.556 | 20.9943 | 0.0000 | 73.264 | 3.57442 | 0.00000 | 166278.3 | 32786.0 | 0.0 | U/P |
| 8.578 | 20.9949 | 0.0000 | 73.287 | 3.59280 | 0.00000 | 167957.9 | 33072.7 | 0.0 | U/P |
| 8.600 | 20.9955 | 0.0000 | 73.309 | 3.61107 | 0.00000 | 169637.5 | 33360.8 | 0.0 | U/P |
| 8.622 | 20.9960 | 0.0000 | 73.331 | 3.62923 | 0.00000 | 171317.1 | 33650.4 | 0.0 | U/P |
| 8.644 | 20.9965 | 0.0000 | 73.353 | 3.64728 | 0.00000 | 172996.8 | 33941.5 | 0.0 | U/P |
| 8.667 | 20.9971 | 0.0000 | 73.375 | 3.66522 | 0.00000 | 174676.6 | 34234.0 | 0.0 | U/P |
| 8.689 | 20.9976 | 0.0000 | 73.397 | 3.68306 | 0.00000 | 176356.4 | 34527.9 | 0.0 | U/P |
| 8.711 | 20.9981 | 0.0000 | 73.419 | 3.70079 | 0.00000 | 178036.2 | 34823.3 | 0.0 | U/P |
| 8.733 | 20.9986 | 0.0000 | 73.440 | 3.71842 | 0.00000 | 179716.0 | 35120.1 | 0.0 | U/P |
| 8.756 | 20.9990 | 0.0000 | 73.461 | 3.73595 | 0.00000 | 181396.0 | 35418.2 | 0.0 | U/P |
| 8.778 | 20.9995 | 0.0000 | 73.483 | 3.75338 | 0.00000 | 183075.9 | 35717.8 | 0.0 | U/P |
| 8.800 | 21.0000 | 0.0000 | 73.504 | 3.77072 | 0.00000 | 184755.9 | 36018.8 | 0.0 | U/P |
| 8.822 | 21.0004 | 0.0000 | 73.525 | 3.78795 | 0.00000 | 186435.9 | 36321.1 | 0.0 | U/P |
| 8.844 | 21.0008 | 0.0000 | 73.546 | 3.80510 | 0.00000 | 188115.9 | 36624.8 | 0.0 | U/P |
| 8.867 | 21.0013 | 0.0000 | 73.567 | 3.82215 | 0.00000 | 189796.0 | 36929.9 | 0.0 | U/P |
| 8.889 | 21.0017 | 0.0000 | 73.587 | 3.83910 | 0.00000 | 191476.1 | 37236.4 | 0.0 | U/P |
| 8.911 | 21.0021 | 0.0000 | 73.608 | 3.85597 | 0.00000 | 193156.3 | 37544.2 | 0.0 | U/P |
| 8.933 | 21.0025 | 0.0000 | 73.628 | 3.87275 | 0.00000 | 194836.5 | 37853.3 | 0.0 | U/P |
| 8.956 | 21.0029 | 0.0000 | 73.649 | 3.88943 | 0.00000 | 196516.7 | 38163.8 | 0.0 | U/P |
| 8.978 | 21.0032 | 0.0000 | 73.669 | 3.90604 | 0.00000 | 198196.9 | 38475.6 | 0.0 | U/P |
| 9.000 | 21.0036 | 0.0000 | 73.689 | 3.92255 | 0.00000 | 199877.2 | 38788.8 | 0.0 | U/P |
| 9.022 | 20.9095 | 0.0000 | 73.709 | 3.93896 | 0.00000 | 201553.7 | 39103.3 | 0.0 | U/P |
| 9.044 | 20.6170 | 0.0000 | 73.729 | 3.95517 | 0.00000 | 203214.8 | 39419.0 | 0.0 | U/P |
| 9.067 | 19.9937 | 0.0000 | 73.748 | 3.97099 | 0.00000 | 204839.2 | 39736.1 | 0.0 | U/P |
| 9.089 | 19.1154 | 0.0000 | 73.766 | 3.98616 | 0.00000 | 206403.6 | 40054.4 | 0.0 | U/P |
| 9.111 | 18.1709 | 0.0000 | 73.783 | 4.00047 | 0.00000 | 207895.0 | 40373.9 | 0.0 | U/P |
| 9.133 | 17.2925 | 0.0000 | 73.799 | 4.01385 | 0.00000 | 209313.5 | 40694.5 | 0.0 | U/P |
| 9.156 | 16.5557 | 0.0000 | 73.814 | 4.02638 | 0.00000 | 210667.5 | 41016.1 | 0.0 | U/P |
| 9.178 | 16.0269 | 0.0000 | 73.828 | 4.03818 | 0.00000 | 211970.8 | 41338.7 | 0.0 | U/P |
| 9.200 | 15.6586 | 0.0000 | 73.841 | 4.04942 | 0.00000 | 213238.2 | 41662.2 | 0.0 | U/P |
| 9.222 | 15.3942 | 0.0000 | 73.854 | 4.06027 | 0.00000 | 214480.3 | 41986.6 | 0.0 | U/P |
| 9.244 | 15.1988 | 0.0000 | 73.867 | 4.07083 | 0.00000 | 215704.0 | 42311.8 | 0.0 | U/P |
| 9.267 | 15.0601 | 0.0000 | 73.880 | 4.08117 | 0.00000 | 216914.4 | 42637.9 | 0.0 | U/P |
| 9.289 | 14.9591 | 0.0000 | 73.892 | 4.09133 | 0.00000 | 218115.2 | 42964.8 | 0.0 | U/P |
| 9.311 | 14.8865 | 0.0000 | 73.904 | 4.10137 | 0.00000 | 219309.0 | 43292.5 | 0.0 | U/P |
| 9.333 | 14.8347 | 0.0000 | 73.916 | 4.11131 | 0.00000 | 220497.8 | 43621.0 | 0.0 | U/P |
| 9.356 | 14.7970 | 0.0000 | 73.928 | 4.12116 | 0.00000 | 221683.1 | 43950.3 | 0.0 | U/P |
| 9.378 | 14.7698 | 0.0000 | 73.940 | 4.13095 | 0.00000 | 222865.8 | 44280.4 | 0.0 | U/P |
| 9.400 | 14.7501 | 0.0000 | 73.952 | 4.14068 | 0.00000 | 224046.6 | 44611.3 | 0.0 | U/P |
| 9.422 | 14.7360 | 0.0000 | 73.964 | 4.15035 | 0.00000 | 225226.0 | 44942.9 | 0.0 | U/P |
| 9.444 | 14.7258 | 0.0000 | 73.976 | 4.15999 | 0.00000 | 226404.5 | 45275.4 | 0.0 | U/P |
| 9.467 | 14.7178 | 0.0000 | 73.988 | 4.16958 | 0.00000 | 227582.2 | 45608.5 | 0.0 | U/P |
| 9.489 | 14.7120 | 0.0000 | 73.999 | 4.17914 | 0.00000 | 228759.4 | 45942.5 | 0.0 | U/P |
| 9.511 | 14.7056 | 0.0000 | 74.011 | 4.18689 | 0.00000 | 229936.1 | 46277.2 | 0.0 | U/P |
| 9.533 | 14.6895 | 0.0000 | 74.022 | 4.19273 | 0.00000 | 231111.9 | 46612.4 | 0.0 | U/P |
| 9.556 | 14.6533 | 0.0000 | 74.034 | 4.19842 | 0.00000 | 232285.6 | 46948.0 | 0.0 | U/P |
| 9.578 | 14.5893 | 0.0000 | 74.045 | 4.20408 | 0.00000 | 233455.3 | 47284.1 | 0.0 | U/P |
| 9.600 | 14.5076 | 0.0000 | 74.057 | 4.20970 | 0.00000 | 234619.2 | 47620.7 | 0.0 | U/P |
| 9.622 | 14.4237 | 0.0000 | 74.068 | 4.21526 | 0.00000 | 235776.5 | 47957.7 | 0.0 | U/P |
| 9.644 | 14.3480 | 0.0000 | 74.079 | 4.22077 | 0.00000 | 236927.3 | 48295.1 | 0.0 | U/P |
| 9.667 | 14.2871 | 0.0000 | 74.090 | 4.22623 | 0.00000 | 238072.7 | 48633.0 | 0.0 | U/P |
| 9.689 | 14.2438 | 0.0000 | 74.101 | 4.23165 | 0.00000 | 239214.0 | 48971.3 | 0.0 | U/P |
| 9.711 | 14.2134 | 0.0000 | 74.112 | 4.23703 | 0.00000 | 240352.2 | 49310.1 | 0.0 | U/P |
| 9.733 | 14.1914 | 0.0000 | 74.123 | 4.24239 | 0.00000 | 241488.4 | 49649.3 | 0.0 | U/P |
| 9.756 | 14.1754 | 0.0000 | 74.134 | 4.24772 | 0.00000 | 242623.1 | 49988.9 | 0.0 | U/P |
| 9.778 | 14.1639 | 0.0000 | 74.145 | 4.25304 | 0.00000 | 243756.7 | 50328.9 | 0.0 | U/P |
| 9.800 | 14.1557 | 0.0000 | 74.155 | 4.25834 | 0.00000 | 244889.5 | 50669.3 | 0.0 | U/P |
| 9.822 | 14.1497 | 0.0000 | 74.166 | 4.26363 | 0.00000 | 246021.7 | 51010.2 | 0.0 | U/P |
| 9.844 | 14.1455 | 0.0000 | 74.177 | 4.26890 | 0.00000 | 247153.5 | 51351.5 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: Temp Inetrim Pond $100 \mathrm{Yr} / 24 \mathrm{Hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (f datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overfiow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 9.867 | 14.1425 | 0.0000 | 74.188 | 4.27416 | 0.00000 | 248285.0 | 51693.2 | 0.0 | U/P |
| 9.889 | 14.1403 | 0.0000 | 74.198 | 4.27941 | 0.00000 | 249416.3 | 52035.4 | 0.0 | U/P |
| 9.911 | 14.1387 | 0.0000 | 74.209 | 4.28465 | 0.00000 | 250547.5 | 52378.0 | 0.0 | U/P |
| 9.933 | 14.1376 | 0.0000 | 74.220 | 4.28989 | 0.00000 | 251678.5 | 52720.9 | 0.0 | U/P |
| 9.956 | 14.1368 | 0.0000 | 74.230 | 4.29511 | 0.00000 | 252809.5 | 53064.3 | 0.0 | U/P |
| 9.978 | 14.1363 | 0.0000 | 74.241 | 4.30032 | 0.00000 | 253940.4 | 53408.1 | 0.0 | U/P |
| 10.000 | 14.1359 | 0.0000 | 74.251 | 4.30552 | 0.00000 | 255071.3 | 53752.4 | 0.0 | U/P |
| 10.022 | 14.0697 | 0.0000 | 74.262 | 4.31070 | 0.00000 | 256199.5 | 54097.0 | 0.0 | U/P |
| 10.044 | 13.8280 | 0.0000 | 74.272 | 4.31583 | 0.00000 | 257315.4 | 54442.1 | 0.0 | U/P |
| 10.067 | 13.2774 | 0.0000 | 74.282 | 4.32080 | 0.00000 | 258399.7 | 54787.6 | 0.0 | U/P |
| 10.089 | 12.4189 | 0.0000 | 74.291 | 4.32548 | 0.00000 | 259427.5 | 55133.4 | 0.0 | U/P |
| 10.111 | 11.4138 | 0.0000 | 74.299 | 4.32971 | 0.00000 | 260380.8 | 55479.6 | 0.0 | U/P |
| 10.133 | 10.4290 | 0.0000 | 74.306 | 4.33344 | 0.00000 | 261254.5 | 55826.2 | 0.0 | U/P |
| 10.156 | 9.5692 | 0.0000 | 74.312 | 4.33666 | 0.00000 | 262054.5 | 56173.0 | 0.0 | U/P |
| 10.178 | 8,9102 | 0.0000 | 74.318 | 4.33943 | 0.00000 | 262793.6 | 56520.0 | 0.0 | U/P |
| 10.200 | 8.4450 | 0.0000 | 74.322 | 4.34185 | 0.00000 | 263487.8 | 56867.3 | 0.0 | U/P |
| 10.222 | 8.1155 | 0.0000 | 74.327 | 4.34402 | 0.00000 | 264150.3 | 57214.7 | 0.0 | U/P |
| 10.244 | 7.8750 | 0.0000 | 74.330 | 4.34600 | 0.00000 | 264789.9 | 57562.3 | 0.0 | U/P |
| 10.267 | 7.7012 | 0.0000 | 74.334 | 4.34786 | 0.00000 | 265412.9 | 57910.1 | 0.0 | U/P |
| 10.289 | 7.5760 | 0.0000 | 74.338 | 4.34962 | 0.00000 | 266024.0 | 58258.0 | 0.0 | U/P |
| 10.311 | 7.4855 | 0.0000 | 74.341 | 4.35131 | 0.00000 | 266626.5 | 58606.0 | 0.0 | U/P |
| 10.333 | 7.4207 | 0.0000 | 74.344 | 4.35296 | 0.00000 | 267222.7 | 58954.2 | 0.0 | U/P |
| 10.356 | 7.3739 | 0.0000 | 74.347 | 4.35456 | 0.00000 | 267814.5 | 59302.5 | 0.0 | U/P |
| 10.378 | 7.3399 | 0.0000 | 74.351 | 4.35614 | 0.00000 | 268403.0 | 59650.9 | 0.0 | U/P |
| 10.400 | 7.3153 | 0.0000 | 74.354 | 4.35770 | 0.00000 | 268989.3 | 59999.5 | 0.0 | U/P |
| 10.422 | 7.2976 | 0.0000 | 74.357 | 4.35925 | 0.00000 | 269573.8 | 60348.2 | 0.0 | U/P |
| 10.444 | 7.2848 | 0.0000 | 74.360 | 4.36078 | 0.00000 | 270157.1 | 60697.0 | 0.0 | U/P |
| 10.467 | 7.2751 | 0.0000 | 74.363 | 4.36231 | 0.00000 | 270739.5 | 61045.9 | 0.0 | U/P |
| 10.489 | 7.2678 | 0.0000 | 74.366 | 4.36383 | 0.00000 | 271321.2 | 61394.9 | 0.0 | U/P |
| 10.511 | 7.2629 | 0.0000 | 74.369 | 4.36534 | 0.00000 | 271902.4 | 61744.1 | 0.0 | U/P |
| 10.533 | 7.2711 | 0.0000 | 74.372 | 4.36685 | 0.00000 | 272483.8 | 62093.4 | 0.0 | U/P |
| 10.556 | 7.3049 | 0.0000 | 74.375 | 4.36837 | 0.00000 | 273066.8 | 62442.8 | 0.0 | U/P |
| 10.578 | 7.3790 | 0.0000 | 74.379 | 4.36991 | 0.00000 | 273654.2 | 62792.3 | 0.0 | U/P |
| 10.600 | 7.4843 | 0.0000 | 74.382 | 4.37148 | 0.00000 | 274248.7 | 63142.0 | 0.0 | U/P |
| 10.622 | 7.5986 | 0.0000 | 74.385 | 4.37310 | 0.00000 | 274852.0 | 63491.8 | 0.0 | U/P |
| 10.644 | 7.7055 | 0.0000 | 74.389 | 4.37478 | 0.00000 | 275464.2 | 63841.7 | 0.0 | U/P |
| 10.667 | 7.7956 | 0.0000 | 74.392 | 4.37651 | 0.00000 | 276084.2 | 64191.7 | 0.0 | U/P |
| 10.689 | 7.8607 | 0.0000 | 74.396 | 4.37828 | 0.00000 | 276710.5 | 64541.9 | 0.0 | U/P |
| 10.711 | 7.9062 | 0.0000 | 74.400 | 4.38009 | 0.00000 | 277341.2 | 64892.3 | 0.0 | U/P |
| 10.733 | 7.9388 | 0.0000 | 74.403 | 4.38192 | 0.00000 | 277974.9 | 65242.7 | 0.0 | U/P |
| 10.756 | 7.9629 | 0.0000 | 74.407 | 4.38376 | 0.00000 | 278611.0 | 65593.4 | 0.0 | U/P |
| 10.778 | 7.9800 | 0.0000 | 74.411 | 4.38562 | 0.00000 | 279248.8 | 65944.1 | 0.0 | U/P |
| 10.800 | 7.9925 | 0.0000 | 74.415 | 4.38748 | 0.00000 | 279887.7 | 66295.1 | 0.0 | U/P |
| 10.822 | 8.0015 | 0.0000 | 74.419 | 4.38935 | 0.00000 | 280527.4 | 66646.1 | 0.0 | U/P |
| 10.844 | 8.0079 | 0.0000 | 74.422 | 4.39123 | 0.00000 | 281167.8 | 66997.4 | 0.0 | U/P |
| 10.867 | 8.0126 | 0.0000 | 74.426 | 4.39310 | 0.00000 | 281808.6 | 67348.7 | 0.0 | U/P |
| 10.889 | 8.0160 | 0.0000 | 74.430 | 4.39497 | 0.00000 | 282449.8 | 67700.3 | 0.0 | U/P |
| 10.911 | 8.0184 | 0.0000 | 74.434 | 4.39685 | 0.00000 | 283091.1 | 68051.9 | 0.0 | U/P |
| 10.933 | 8.0202 | 0.0000 | 74.438 | 4.39872 | 0.00000 | 283732.7 | 68403.8 | 0.0 | U/P |
| 10.956 | 8.0215 | 0.0000 | 74.441 | 4.40060 | 0.00000 | 284374.3 | 68755.7 | 0.0 | U/P |
| 10.978 | 8.0225 | 0.0000 | 74.445 | 4.40247 | 0.00000 | 285016.1 | 69107.9 | 0.0 | U/P |
| 11.000 | 8.0047 | 0.0000 | 74.449 | 4.40434 | 0.00000 | 285657.2 | 69460.1 | 0.0 | U/P |
| 11.022 | 7.9146 | 0.0000 | 74.453 | 4.40619 | 0.00000 | 286294.0 | 69812.5 | 0.0 | U/P |
| 11.044 | 7.6901 | 0.0000 | 74.456 | 4.40798 | 0.00000 | 286918.2 | 70165.1 | 0.0 | U/P |
| 11.067 | 7.2997 | 0.0000 | 74.460 | 4.40965 | 0.00000 | 287517.8 | 70517.8 | 0.0 | U/P |
| 11.089 | 6.8072 | 0.0000 | 74.462 | 4.41113 | 0.00000 | 288082.0 | 70870.7 | 0.0 | U/P |
| 11.111 | 6.3046 | 0.0000 | 74.465 | 4.41237 | 0.00000 | 288606.5 | 71223.6 | 0.0 | U/P |
| 11.133 | 5.8529 | 0.0000 | 74.466 | 4.41335 | 0.00000 | 289092.8 | 71576.6 | 0.0 | U/P |
| 11.156 | 5.4916 | 0.0000 | 74.468 | 4.41410 | 0.00000 | 289546.6 | 71929.7 | 0.0 | U/P |
| 11.178 | 5.2344 | 0.0000 | 74.469 | 4.41467 | 0.00000 | 289975.6 | 72282.9 | 0.0 | U/P |
| 11.200 | 5.0538 | 0.0000 | 74.469 | 4.41510 | 0.00000 | 290387.1 | 72636.1 | 0.0 | U/P |
| 11.222 | 4.9230 | 0.0000 | 74.470 | 4.41544 | 0.00000 | 290786.2 | 72989.3 | 0.0 | U/P |
| 11.244 | 4.8274 | 0.0000 | 74.470 | 4.41571 | 0.00000 | 291176.2 | 73342.6 | 0.0 | U/P |
| 11.267 | 4.7590 | 0.0000 | 74.471 | 4.41592 | 0.00000 | 291559.7 | 73695.8 | 0.0 | U/P |
| 11.289 | 4.7094 | 0.0000 | 74.471 | 4.41610 | 0.00000 | 291938.4 | 74049.1 | 0.0 | U/P |
| 11.311 | 4.6738 | 0.0000 | 74.471 | 4.41625 | 0.00000 | 292313.8 | 74402.4 | 0.0 | U/P |
| 11.333 | 4.6482 | 0.0000 | 74.472 | 4.41639 | 0.00000 | 292686.6 | 74755.7 | 0.0 | U/P |
| 11.356 | 4.6297 | 0.0000 | 74.472 | 4.41651 | 0.00000 | 293057.8 | 75109.0 | 0.0 | U/P |
| 11.378 | 4.6162 | 0.0000 | 74.472 | 4.41662 | 0.00000 | 293427.6 | 75462.3 | 0.0 | U/P |
| 11.400 | 4.6065 | 0.0000 | 74.472 | 4.41672 | 0.00000 | 293796.5 | 75815.7 | 0.0 | U/P |
| 11.422 | 4.5995 | 0.0000 | 74.473 | 4.41682 | 0.00000 | 294164.7 | 76169.0 | 0.0 | U/P |
| 11.444 | 4.5943 | 0.0000 | 74.473 | 4.41691 | 0.00000 | 294532.5 | 76522.4 | 0.0 | U/P |
| 11.467 | 4.5903 | 0.0000 | 74.473 | 4.41701 | 0.00000 | 294899.8 | 76875.7 | 0.0 | U/P |
| 11.489 | 4.5875 | 0.0000 | 74.473 | 4.41710 | 0.00000 | 295267.0 | 77229.1 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Temp Inetrim Pond 100 Yr / 24 Hr

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume (fil$)$ | Cumulative Discharge Volume ( $\mathrm{tt}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 11.511 | 4.5839 | 0.0000 | 74.473 | 4.41718 | 0.00000 | 295633.8 | 77582.5 | 0.0 | U/P |
| 11.533 | 4.5763 | 0.0000 | 74.474 | 4.41727 | 0.00000 | 296000.2 | 77935.8 | 0.0 | U/P |
| 11.556 | 4.5606 | 0.0000 | 74.474 | 4.41735 | 0.00000 | 296365.7 | 78289.2 | 0.0 | U/P |
| 11.578 | 4.5365 | 0.0000 | 74.474 | 4.41742 | 0.00000 | 296729.6 | 78642.6 | 0.0 | U/P |
| 11.600 | 4.5085 | 0.0000 | 74.474 | 4.41748 | 0.00000 | 297091.4 | 78996.0 | 0.0 | U/P |
| 11.622 | 4.4813 | 0.0000 | 74.474 | 4.41753 | 0.00000 | 297451.0 | 79349.4 | 0.0 | U/P |
| 11.644 | 4.4576 | 0.0000 | 74.474 | 4.41756 | 0.00000 | 297808.5 | 79702.8 | 0.0 | U/P |
| 11.667 | 4.4396 | 0.0000 | 74.474 | 4.41759 | 0.00000 | 298164.4 | 80056.2 | 0.0 | U/P |
| 11.689 | 4.4269 | 0.0000 | 74.474 | 4.41760 | 0.00000 | 298519.1 | 80409.6 | 0.0 | U/P |
| 11.711 | 4.4179 | 0.0000 | 74.474 | 4.41760 | 0.00000 | 298872.9 | 80763.0 | 0.0 | U/P |
| 11.733 | 4.4113 | 0.0000 | 74.474 | 4.41760 | 0.00000 | 299226.4 | 81116.5 | 0.0 | U/P |
| 11.756 | 4.4066 | 0.0000 | 74.474 | 4.41760 | 0.00000 | 299578.8 | 81469.9 | 0.0 | U/P |
| 11.778 | 4.4031 | 0.0000 | 74.474 | 4.41759 | 0.00000 | 299931.2 | 81823.3 | 0.0 | U/P |
| 11.800 | 4.4007 | 0.0000 | 74.474 | 4.41759 | 0.00000 | 300283.3 | 82176.7 | 0.0 | U/P |
| 11.822 | 4.3989 | 0.0000 | 74.474 | 4.41758 | 0.00000 | 300635.3 | 82530.1 | 0.0 | U/P |
| 11.844 | 4.3976 | 0.0000 | 74.474 | 4.41757 | 0.00000 | 300987.2 | 82883.5 | 0.0 | U/P |
| 11.867 | 4.3967 | 0.0000 | 74.474 | 4.41756 | 0.00000 | 301338.9 | 83236.9 | 0.0 | U/P |
| 11.889 | 4.3960 | 0.0000 | 74.474 | 4.41755 | 0.00000 | 301690.6 | 83590.3 | 0.0 | U/P |
| 11.911 | 4.3955 | 0.0000 | 74.474 | 4.41754 | 0.00000 | 302042.3 | 83943.7 | 0.0 | U/P |
| 11.933 | 4.3952 | 0.0000 | 74.474 | 4.41753 | 0.00000 | 302393.9 | 84297.1 | 0.0 | U/P |
| 11.956 | 4.3949 | 0.0000 | 74.474 | 4.41751 | 0.00000 | 302745.5 | 84650.5 | 0.0 | U/P |
| 11.978 | 4.3947 | 0.0000 | 74.474 | 4.41750 | 0.00000 | 303097.1 | 85003.9 | 0.0 | U/P |
| 12.000 | 4.3946 | 0.0000 | 74.474 | 4.41749 | 0.00000 | 303448.7 | 85357.3 | 0.0 | U/P |
| 12.022 | 4.3974 | 0.0000 | 74.474 | 4.41748 | 0.00000 | 303800.4 | 85710.7 | 0.0 | U/P |
| 12.044 | 4.4062 | 0.0000 | 74.474 | 4.41747 | 0.00000 | 304152.5 | 86064.1 | 0.0 | U/P |
| 12.067 | 4.4251 | 0.0000 | 74.474 | 4.41747 | 0.00000 | 304505.8 | 86417.5 | 0.0 | U/P |
| 12.089 | 4.4517 | 0.0000 | 74.474 | 4.41747 | 0.00000 | 304860.8 | 86770.9 | 0.0 | U/P |
| 12.111 | 4.4803 | 0.0000 | 74.474 | 4.41749 | 0.00000 | 305218.1 | 87124.3 | 0.0 | U/P |
| 12.133 | 4.5070 | 0.0000 | 74.474 | 4.41752 | 0.00000 | 305577.6 | 87477.7 | 0.0 | U/P |
| 12.156 | 4.5293 | 0.0000 | 74.474 | 4.41757 | 0.00000 | 305939.1 | 87831.1 | 0.0 | U/P |
| 12.178 | 4.5453 | 0.0000 | 74.474 | 4.41762 | 0.00000 | 306302.0 | 88184.5 | 0.0 | U/P |
| 12.200 | 4.5564 | 0.0000 | 74.474 | 4.41769 | 0.00000 | 306666.1 | 88537.9 | 0.0 | U/P |
| 12.222 | 4.5645 | 0.0000 | 74.474 | 4.41776 | 0.00000 | 307030.9 | 88891.3 | 0.0 | U/P |
| 12.244 | 4.5704 | 0.0000 | 74.475 | 4.41783 | 0.00000 | 307396.3 | 89244.8 | 0.0 | U/P |
| 12.267 | 4.5746 | 0.0000 | 74.475 | 4.41791 | 0.00000 | 307762.2 | 89598.2 | 0.0 | U/P |
| 12.289 | 4.5777 | 0.0000 | 74.475 | 4.41799 | 0.00000 | 308128.3 | 89951.6 | 0.0 | U/P |
| 12.311 | 4.5799 | 0.0000 | 74.475 | 4.41808 | 0.00000 | 308494.5 | 90305.1 | 0.0 | U/P |
| 12.333 | 4.5815 | 0.0000 | 74.475 | 4.41816 | 0.00000 | 308861.0 | 90658.5 | 0.0 | U/P |
| 12.356 | 4.5826 | 0.0000 | 74.475 | 4.41824 | 0.00000 | 309227.6 | 91012.0 | 0.0 | U/P |
| 12.378 | 4.5834 | 0.0000 | 74.476 | 4.41833 | 0.00000 | 309594.2 | 91365.4 | 0.0 | U/P |
| 12.400 | 4.5840 | 0.0000 | 74.476 | 4.41841 | 0.00000 | 309960.9 | 91718.9 | 0.0 | U/P |
| 12.422 | 4.5845 | 0.0000 | 74.476 | 4.41850 | 0.00000 | 310327.6 | 92072.4 | 0.0 | U/P |
| 12.444 | 4.5848 | 0.0000 | 74.476 | 4.41858 | 0.00000 | 310694.4 | 92425.9 | 0.0 | U/P |
| 12.467 | 4.5850 | 0.0000 | 74.476 | 4.41867 | 0.00000 | 311061.2 | 92779.3 | 0.0 | U/P |
| 12.489 | 4.5852 | 0.0000 | 74.477 | 4.41875 | 0.00000 | 311428.0 | 93132.8 | 0.0 | U/P |
| 12.511 | 4.5844 | 0.0000 | 74.477 | 4.41884 | 0.00000 | 311794.8 | 93486.4 | 0.0 | U/P |
| 12.533 | 4.5797 | 0.0000 | 74.477 | 4.41892 | 0.00000 | 312161.3 | 93839.9 | 0.0 | U/P |
| 12.556 | 4.5676 | 0.0000 | 74.477 | 4.41901 | 0.00000 | 312527.3 | 94193.4 | 0.0 | U/P |
| 12.578 | 4.5463 | 0.0000 | 74.477 | 4.41908 | 0.00000 | 312891.8 | 94546.9 | 0.0 | U/P |
| 12.600 | 4.5190 | 0.0000 | 74.477 | 4.41915 | 0.00000 | 313254.4 | 94900.4 | 0.0 | U/P |
| 12.622 | 4.4910 | 0.0000 | 74.477 | 4.41920 | 0.00000 | 313614.8 | 95254.0 | 0.0 | U/P |
| 12.644 | 4.4658 | 0.0000 | 74.477 | 4.41924 | 0.00000 | 313973.1 | 95607.5 | 0.0 | U/P |
| 12.667 | 4.4454 | 0.0000 | 74.477 | 4.41926 | 0.00000 | 314329.5 | 95961.0 | 0.0 | U/P |
| 12.689 | 4.4310 | 0.0000 | 74.478 | 4.41927 | 0.00000 | 314684.6 | 96314.6 | 0.0 | U/P |
| 12.711 | 4.4208 | 0.0000 | 74.478 | 4.41928 | 0.00000 | 315038.7 | 96668.1 | 0.0 | U/P |
| 12.733 | 4.4135 | 0.0000 | 74.478 | 4.41928 | 0.00000 | 315392.0 | 97021.7 | 0.0 | U/P |
| 12.756 | 4.4081 | 0.0000 | 74.477 | 4.41928 | 0.00000 | 315744.9 | 97375.2 | 0.0 | U/P |
| 12.778 | 4.4043 | 0.0000 | 74.477 | 4.41927 | 0.00000 | 316097.4 | 97728.8 | 0.0 | U/P |
| 12.800 | 4.4015 | 0.0000 | 74.477 | 4.41927 | 0.00000 | 316449.6 | 98082.3 | 0.0 | U/P |
| 12.822 | 4.3995 | 0.0000 | 74.477 | 4.41926 | 0.00000 | 316801.7 | 98435.8 | 0.0 | U/P |
| 12.844 | 4.3980 | 0.0000 | 74.477 | 4.41925 | 0.00000 | 317153.6 | 98789.4 | 0.0 | U/P |
| 12.867 | 4.3970 | 0.0000 | 74.477 | 4.41924 | 0.00000 | 317505.3 | 99142.9 | 0.0 | U/P |
| 12.889 | 4.3962 | 0.0000 | 74.477 | 4.41922 | 0.00000 | 317857.1 | 99496.5 | 0.0 | U/P |
| 12.911 | 4.3957 | 0.0000 | 74.477 | 4.41921 | 0.00000 | 318208.8 | 99850.0 | 0.0 | U/P |
| 12.933 | 4.3953 | 0.0000 | 74.477 | 4.41920 | 0.00000 | 318560.4 | 100203.5 | 0.0 | U/P |
| 12.956 | 4.3950 | 0.0000 | 74.477 | 4.41919 | 0.00000 | 318912.0 | 100557.1 | 0.0 | U/P |
| 12.978 | 4.3948 | 0.0000 | 74.477 | 4.41918 | 0.00000 | 319263.6 | 100910.6 | 0.0 | U/P |
| 13.000 | 4.3947 | 0.0000 | 74.477 | 4.41916 | 0.00000 | 319615.2 | 101264.1 | 0.0 | U/P |
| 13.022 | 4.3817 | 0.0000 | 74.477 | 4.41915 | 0.00000 | 319966.3 | 101617.7 | 0.0 | U/P |
| 13.044 | 4.3347 | 0.0000 | 74.477 | 4.41913 | 0.00000 | 320314.9 | 101971.2 | 0.0 | U/P |
| 13.067 | 4.2276 | 0.0000 | 74.477 | 4.41907 | 0.00000 | 320657.4 | 102324.7 | 0.0 | U/P |
| 13.089 | 4.0607 | 0.0000 | 74.477 | 4.41897 | 0.00000 | 320988.9 | 102678.2 | 0.0 | U/P |
| 13.111 | 3.8652 | 0.0000 | 74.476 | 4.41878 | 0.00000 | 321306.0 | 103031.8 | 0.0 | U/P |
| 13.133 | 3.6737 | 0.0000 | 74.476 | 4.41849 | 0.00000 | 321607.5 | 103385.3 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Temp Inetrim Pond $100 \mathrm{Yr} / 24 \mathrm{Hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (fi/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / 5}$ ) | Overlow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiliration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 13.156 | 3.5065 | 0.0000 | 74.475 | 4.41811 | 0.00000 | 321894.7 | 103738.7 | 0.0 | U/P |
| 13.178 | 3.3783 | 0.0000 | 74.474 | 4.41765 | 0.00000 | 322170.1 | 104092.1 | 0.0 | U/P |
| 13.200 | 3.2878 | 0.0000 | 74.473 | 4.41712 | 0.00000 | 322436.8 | 104445.5 | 0.0 | U/P |
| 13.222 | 3.2238 | 0.0000 | 74.471 | 4.41654 | 0.00000 | 322697.2 | 104798.9 | 0.0 | U/P |
| 13.244 | 3.1770 | 0.0000 | 74.470 | 4.41593 | 0.00000 | 322953.3 | 105152.2 | 0.0 | U/P |
| 13.267 | 3.1432 | 0.0000 | 74.469 | 4.41529 | 0.00000 | 323206.1 | 105505.4 | 0.0 | U/P |
| 13.289 | 3.1189 | 0.0000 | 74.467 | 4.41464 | 0.00000 | 323456.5 | 105858.6 | 0.0 | U/P |
| 13.311 | 3.1013 | 0.0000 | 74.466 | 4.41397 | 0.00000 | 323705.3 | 106211.8 | 0.0 | U/P |
| 13.333 | 3.0886 | 0.0000 | 74.465 | 4.41329 | 0.00000 | 323952.9 | 106564.9 | 0.0 | U/P |
| 13.356 | 3.0795 | 0.0000 | 74.463 | 4.41261 | 0.00000 | 324199.7 | 106917.9 | 0.0 | U/P |
| 13.378 | 3.0729 | 0.0000 | 74.462 | 4.41192 | 0.00000 | 324445.8 | 107270.9 | 0.0 | U/P |
| 13.400 | 3.0681 | 0.0000 | 74.460 | 4.41123 | 0.00000 | 324691.4 | 107623.8 | 0.0 | U/P |
| 13.422 | 3.0647 | 0.0000 | 74.459 | 4.41054 | 0.00000 | 324936.7 | 107976.7 | 0.0 | U/P |
| 13.444 | 3.0622 | 0.0000 | 74.458 | 4.40985 | 0.00000 | 325181.8 | 108329.5 | 0.0 | U/P |
| 13.467 | 3.0603 | 0.0000 | 74.456 | 4.40915 | 0.00000 | 325426.7 | 108682.3 | 0.0 | U/P |
| 13.489 | 3.0589 | 0.0000 | 74.455 | 4.40845 | 0.00000 | 325671.5 | 109035.0 | 0.0 | U/P |
| 13.511 | 3.0579 | 0.0000 | 74.453 | 4.40776 | 0.00000 | 325916.2 | 109387.6 | 0.0 | U/P |
| 13.533 | 3.0567 | 0.0000 | 74.452 | 4.40706 | 0.00000 | 326160.7 | 109740.2 | 0.0 | U/P |
| 13.556 | 3.0544 | 0.0000 | 74.451 | 4.40636 | 0.00000 | 326405.2 | 110092.7 | 0.0 | U/P |
| 13.578 | 3.0497 | 0.0000 | 74.449 | 4.40566 | 0.00000 | 326649.3 | 110445.2 | 0.0 | U/P |
| 13.600 | 3.0431 | 0.0000 | 74.448 | 4.40496 | 0.00000 | 326893.1 | 110797.6 | 0.0 | U/P |
| 13.622 | 3.0359 | 0.0000 | 74.446 | 4.40426 | 0.00000 | 327136.2 | 111150.0 | 0.0 | U/P |
| 13.644 | 3.0292 | 0.0000 | 74.445 | 4.40355 | 0.00000 | 327378.8 | 111502.3 | 0.0 | U/P |
| 13.667 | 3.0235 | 0.0000 | 74.443 | 4.40284 | 0.00000 | 327620.9 | 111854.6 | 0.0 | U/P |
| 13.689 | 3.0194 | 0.0000 | 74.442 | 4.40213 | 0.00000 | 327862.7 | 112206.8 | 0.0 | U/P |
| 13.711 | 3.0166 | 0.0000 | 74.440 | 4.40141 | 0.00000 | 328104.1 | 112558.9 | 0.0 | U/P |
| 13.733 | 3.0145 | 0.0000 | 74.439 | 4.40070 | 0.00000 | 328345.3 | 112911.0 | 0.0 | U/P |
| 13.756 | 3.0130 | 0.0000 | 74.438 | 4.39998 | 0.00000 | 328586.4 | 113263.0 | 0.0 | U/P |
| 13.778 | 3.0119 | 0.0000 | 74.436 | 4.39926 | 0.00000 | 328827.4 | 113615.0 | 0.0 | U/P |
| 13.800 | 3.0111 | 0.0000 | 74.435 | 4.39855 | 0.00000 | 329068.3 | 113966.9 | 0.0 | U/P |
| 13.822 | 3.0106 | 0.0000 | 74.433 | 4.39783 | 0.00000 | 329309.2 | 114318.8 | 0.0 | U/P |
| 13.844 | 3.0102 | 0.0000 | 74.432 | 4.39711 | 0.00000 | 329550.1 | 114670.6 | 0.0 | U/P |
| 13.867 | 3.0099 | 0.0000 | 74.430 | 4.39638 | 0.00000 | 329790.8 | 115022.3 | 0.0 | U/P |
| 13.889 | 3.0097 | 0.0000 | 74.429 | 4.39568 | 0.00000 | 330031.6 | 115374.0 | 0.0 | U/P |
| 13.911 | 3.0095 | 0.0000 | 74.427 | 4.39496 | 0.00000 | 330272.4 | 115725.6 | 0.0 | U/P |
| 13.933 | 3.0094 | 0.0000 | 74.426 | 4.39424 | 0.00000 | 330513.2 | 116077.2 | 0.0 | U/P |
| 13.956 | 3.0093 | 0.0000 | 74.424 | 4.39352 | 0.00000 | 330753.9 | 116428.7 | 0.0 | U/P |
| 13.978 | 3.0093 | 0.0000 | 74.423 | 4.39281 | 0.00000 | 330994.7 | 116780.1 | 0.0 | U/P |
| 14.000 | 2.9992 | 0.0000 | 74.421 | 4.39209 | 0.00000 | 331235.0 | 117131.5 | 0.0 | U/P |
| 14.022 | 2.9501 | 0.0000 | 74.420 | 4.39136 | 0.00000 | 331473.0 | 117482.9 | 0.0 | U/P |
| 14.044 | 2.8283 | 0.0000 | 74.418 | 4.39060 | 0.00000 | 331704.1 | 117834.2 | 0.0 | U/P |
| 14.067 | 2.6169 | 0.0000 | 74.417 | 4.38978 | 0.00000 | 331921.9 | 118185.4 | 0.0 | U/P |
| 14.089 | 2.3501 | 0.0000 | 74.415 | 4.38886 | 0.00000 | 332120.6 | 118536.5 | 0.0 | U/P |
| 14.111 | 2.0779 | 0.0000 | 74.412 | 4.38780 | 0.00000 | 332297.7 | 118887.6 | 0.0 | U/P |
| 14.133 | 1.8333 | 0.0000 | 74.410 | 4.38660 | 0.00000 | 332454.2 | \$19238.6 | 0.0 | U/P |
| 14.156 | 1.6376 | 0.0000 | 74.407 | 4.38529 | 0.00000 | 332593.0 | 119589.5 | 0.0 | U/P |
| 14.178 | 1.4983 | 0.0000 | 74.404 | 4.38387 | 0.00000 | 332718.4 | 119940.2 | 0.0 | U/P |
| 14.200 | 1.4004 | 0.0000 | 74.401 | 4.38237 | 0.00000 | 332834.4 | 120290.9 | 0.0 | U/P |
| 14.222 | 1.3296 | 0.0000 | 74.398 | 4.38083 | 0.00000 | 332943.6 | 120641.4 | 0.0 | U/P |
| 14.244 | 1.2778 | 0.0000 | 74.394 | 4.37925 | 0.00000 | 333047.9 | 120991.8 | 0.0 | U/P |
| 14.267 | 1.2408 | 0.0000 | 74.391 | 4.37764 | 0.00000 | 333148.6 | 121342.1 | 0.0 | U/P |
| 14.289 | 1.2139 | 0.0000 | 74.388 | 4.37601 | 0.00000 | 333246.8 | 121692.2 | 0.0 | U/P |
| 14.311 | 1.1946 | 0.0000 | 74.384 | 4.37436 | 0.00000 | 333343.2 | 122042.2 | 0.0 | U/P |
| 14.333 | 1.1808 | 0.0000 | 74.381 | 4.37271 | 0.00000 | 333438.2 | 122392.1 | 0.0 | U/P |
| 14.356 | 1.1707 | 0.0000 | 74.378 | 4.37105 | 0.00000 | 333532.2 | 122741.9 | 0.0 | U/P |
| 14.378 | 1.1634 | 0.0000 | 74.374 | 4.36938 | 0.00000 | 333625.6 | 123091.5 | 0.0 | U/P |
| 14.400 | 1.1581 | 0.0000 | 74.371 | 4.36771 | 0.00000 | 333718.4 | 123441.0 | 0.0 | U/P |
| 14.422 | 1.1543 | 0.0000 | 74.367 | 4.36604 | 0.00000 | 333810.9 | 123790.3 | 0.0 | U/P |
| 14.444 | 1.1515 | 0.0000 | 74.364 | 4.36436 | 0.00000 | 333903.2 | 124139.5 | 0.0 | U/P |
| 14.467 | 1.1494 | 0.0000 | 74.361 | 4.36269 | 0.00000 | 333995.2 | 124488.6 | 0.0 | U/P |
| 14.489 | 1.1478 | 0.0000 | 74.357 | 4.36101 | 0.00000 | 334087.1 | 124837.6 | 0.0 | U/P |
| 14.511 | 1.1469 | 0.0000 | 74.354 | 4.35933 | 0.00000 | 334178.9 | 125186.4 | 0.0 | U/P |
| 14.533 | 1.1466 | 0.0000 | 74.350 | 4.35766 | 0.00000 | 334270.6 | 125535.1 | 0.0 | U/P |
| 14.556 | 1.1465 | 0.0000 | 74.347 | 4.35598 | 0.00000 | 334362.3 | 125883.6 | 0.0 | U/P |
| 14.578 | 1.1465 | 0.0000 | 74.344 | 4.35430 | 0.00000 | 334454.1 | 126232.0 | 0.0 | U/P |
| 14.600 | 1.1465 | 0.0000 | 74.340 | 4.35263 | 0.00000 | 334545.8 | 126580.3 | 0.0 | U/P |
| 14.622 | 1.1465 | 0.0000 | 74.337 | 4.35095 | 0.00000 | 334637.5 | 126928.4 | 0.0 | U/P |
| 14.644 | 1.1464 | 0.0000 | 74.333 | 4.34927 | 0.00000 | 334729.2 | 127276.5 | 0.0 | U/P |
| 14.667 | 1.1464 | 0.0000 | 74.330 | 4.34760 | 0.00000 | 334820.9 | 127624.3 | 0.0 | U/P |
| 14.689 | 1.1464 | 0.0000 | 74.327 | 4.34592 | 0.00000 | 334912.7 | 127972.1 | 0.0 | U/P |
| 14.711 | 1.1464 | 0.0000 | 74.323 | 4.34424 | 0.00000 | 335004.4 | 128319.7 | 0.0 | U/P |
| 14.733 | 1.1464 | 0.0000 | 74.320 | 4.34257 | 0.00000 | 335096.1 | 128667.1 | 0.0 | U/P |
| 14.756 | $\uparrow .1464$ | 0.0000 | 74.316 | 4.34089 | 0.00000 | 335187.8 | 129014.5 | 0.0 | U/P |
| 14.778 | 1.1464 | 0.0000 | 74.313 | 4.33922 | 0.00000 | 335279.5 | 129361.7 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Temp Inetrim Pond $100 \mathrm{Yr} / 24 \mathrm{Hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{f} 3 / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 14.800 | 1.1464 | 0.0000 | 74.310 | 4.33754 | 0.00000 | 335371.2 | 129708.8 | 0.0 | U/P |
| 14.822 | 1.1464 | 0.0000 | 74.306 | 4.33587 | 0.00000 | 335462.9 | 130055.7 | 0.0 | U/P |
| 14.844 | 1.1464 | 0.0000 | 74.303 | 4.33419 | 0.00000 | 335554.6 | 130402.5 | 0.0 | U/P |
| 14.867 | 1.1464 | 0.0000 | 74.299 | 4.33252 | 0.00000 | 335646.3 | 130749,2 | 0.0 | U/P |
| 14.889 | 1.1464 | 0.0000 | 74.296 | 4.33085 | 0.00000 | 335738.1 | 131095.7 | 0.0 | U/P |
| 14.911 | 1.1464 | 0.0000 | 74.293 | 4.32917 | 0.00000 | 335829.8 | 131442.1 | 0.0 | U/P |
| 14.933 | 1.1464 | 0.0000 | 74.289 | 4.32750 | 0.00000 | 335921.5 | 131788.4 | 0.0 | U/P |
| 14.956 | 1.1464 | 0.0000 | 74.286 | 4.32583 | 0.00000 | 336013.2 | 132134.5 | 0.0 | U/P |
| 14.978 | 1.1464 | 0.0000 | 74.282 | 4.32415 | 0.00000 | 336104.9 | 132480.5 | 0.0 | U/P |
| 15.000 | 1.1464 | 0.0000 | 74.279 | 4.32248 | 0.00000 | 336196.6 | 132826.4 | 0.0 | U/P |
| 15.022 | 1.1464 | 0.0000 | 74.275 | 4.32081 | 0.00000 | 336288.3 | 133172.1 | 0.0 | U/P |
| 15.044 | 1.1464 | 0.0000 | 74.272 | 4.31913 | 0.00000 | 336380.0 | 133517.7 | 0.0 | U/P |
| 15.067 | \$.1464 | 0.0000 | 74.269 | 4.31746 | 0.00000 | 336471.7 | 133863.2 | 0.0 | U/P |
| 15.089 | 1.1464 | 0.0000 | 74.265 | 4.31579 | 0.00000 | 336563.4 | 134208.5 | 0.0 | U/P |
| 15.111 | 1.1465 | 0.0000 | 74.262 | 4.31412 | 0.00000 | 336655.2 | 134553.7 | 0.0 | U/P |
| 15.133 | 1.1465 | 0.0000 | 74.258 | 4.31245 | 0.00000 | 336746.9 | 134898.8 | 0.0 | U/P |
| 15.156 | 1.1465 | 0.0000 | 74.255 | 4.31078 | 0.00000 | 336838.6 | 135243.7 | 0.0 | U/P |
| 15.178 | 1.1465 | 0.0000 | 74.252 | 4.30911 | 0.00000 | 336930.3 | 135588.5 | 0.0 | U/P |
| 15.200 | 1.1465 | 0.0000 | 74.248 | 4.30744 | 0.00000 | 337022.0 | 135933.1 | 0.0 | U/P |
| 15.222 | 1.1466 | 0.0000 | 74.245 | 4.30576 | 0.00000 | 337113.8 | 136277.7 | 0.0 | U/P |
| 15.244 | 1.1466 | 0.0000 | 74.241 | 4.30409 | 0.00000 | 337205.5 | 136622.0 | 0.0 | U/P |
| 15.267 | 1.1466 | 0.0000 | 74.238 | 4.30242 | 0.00000 | 337297.2 | 136966.3 | 0.0 | U/P |
| 15.289 | 1.1466 | 0.0000 | 74.235 | 4.30076 | 0.00000 | 337388.9 | 137310.4 | 0.0 | U/P |
| 15.311 | 1.1466 | 0.0000 | 74.231 | 4.29909 | 0.00000 | 337480.7 | 137654.4 | 0.0 | U/P |
| 15.333 | 1.1466 | 0.0000 | 74.228 | 4.29742 | 0.00000 | 337572.4 | 137998.3 | 0.0 | U/P |
| 15.356 | 1.1466 | 0.0000 | 74.225 | 4.29575 | 0.00000 | 337664.1 | 138342.0 | 0.0 | U/P |
| 15.378 | 1.1466 | 0.0000 | 74.221 | 4.29408 | 0.00000 | 337755.8 | 138685.6 | 0.0 | U/P |
| 15.400 | 1.1466 | 0.0000 | 74.218 | 4.29241 | 0.00000 | 337847.6 | 139029.1 | 0.0 | U/P |
| 15.422 | 1.1466 | 0.0000 | 74.214 | 4.29074 | 0.00000 | 337939.3 | 739372.4 | 0.0 | U/P |
| 15.444 | 1.1466 | 0.0000 | 74.211 | 4.28907 | 0.00000 | 338031.0 | 139715.6 | 0.0 | U/P |
| 15.467 | 1.1466 | 0.0000 | 74.208 | 4.28741 | 0.00000 | 338122.8 | 140058.7 | 0.0 | U/P |
| 15.489 | 1.1466 | 0.0000 | 74.204 | 4.28574 | 0.00000 | 338214.5 | 140401.6 | 0.0 | U/P |
| 15.511 | 1.1457 | 0.0000 | 74.201 | 4.28407 | 0.00000 | 338306.2 | 140744.4 | 0.0 | U/P |
| 15.533 | 1.1409 | 0.0000 | 74.197 | 4.28240 | 0.00000 | 338397.6 | 141087.0 | 0.0 | U/P |
| 15.556 | 1.1288 | 0.0000 | 74.194 | 4.28073 | 0.00000 | 338488.4 | 141429.6 | 0.0 | U/P |
| 15.578 | 1.1074 | 0.0000 | 74.191 | 4.27906 | 0.00000 | 338577.9 | 141772.0 | 0.0 | U/P |
| 15.600 | 1.0801 | 0.0000 | 74.187 | 4.27737 | 0.00000 | 338665.4 | 142114.2 | 0.0 | U/P |
| 15.622 | 1.0521 | 0.0000 | 74.184 | 4.27567 | 0.00000 | 338750.7 | 142456.3 | 0.0 | U/P |
| 15.644 | 1.0268 | 0.0000 | 74.180 | 4.27395 | 0.00000 | 338833.8 | 142798.3 | 0.0 | U/P |
| 15.667 | 1.0064 | 0.0000 | 74.177 | 4.27222 | 0.00000 | 338915.1 | 143140.2 | 0.0 | U/P |
| 15.689 | 0.9919 | 0.0000 | 74.173 | 4.27048 | 0.00000 | 338995.1 | 143481.9 | 0.0 | U/P |
| 15.717 | 0.9818 | 0.0000 | 74.169 | 4.26873 | 0.00000 | 339074.0 | 143823.4 | 0.0 | U/P |
| 15.733 | 0.9744 | 0.0000 | 74.166 | 4.26698 | 0.00000 | 339152.3 | 144164.9 | 0.0 | U/P |
| 15.756 | 0.9690 | 0.0000 | 74.162 | 4.26523 | 0.00000 | 339230.0 | 144506.2 | 0.0 | U/P |
| 15.778 | 0.9652 | 0.0000 | 74.159 | 4.26347 | 0.00000 | 339307.4 | 144847.3 | 0.0 | U/P |
| 15.800 | 0.9624 | 0.0000 | 74.155 | 4.26171 | 0.00000 | 339384.5 | 145188.3 | 0.0 | U/P |
| 15.822 | 0.9604 | 0.0000 | 74.152 | 4.25994 | 0.00000 | 339461.4 | 145529.2 | 0.0 | U/P |
| 15.844 | 0.9589 | 0.0000 | 74.148 | 4.25818 | 0.00000 | 339538.2 | 145869.9 | 0.0 | U/P |
| 15.867 | 0.9579 | 0.0000 | 74.144 | 4.25642 | 0.00000 | 339614.8 | 146210.5 | 0.0 | U/P |
| 15.889 | 0.9571 | 0.0000 | 74.141 | 4.25465 | 0.00000 | 339691.4 | 146550.9 | 0.0 | U/P |
| 15.911 | 0.9566 | 0.0000 | 74.137 | 4.25289 | 0.00000 | 339768.0 | 146891.2 | 0.0 | U/P |
| 15.933 | 0.9562 | 0.0000 | 74,134 | 4.25112 | 0.00000 | 339844.5 | 147231.4 | 0.0 | U/P |
| 15.956 | 0.9559 | 0.0000 | 74.130 | 4.24936 | 0.00000 | 339921.0 | 147571.4 | 0.0 | U/P |
| 15.978 | 0.9557 | 0.0000 | 74,126 | 4.24760 | 0.00000 | 339997.4 | 147911.3 | 0.0 | U/P |
| 16.000 | 0.9555 | 0.0000 | 74.123 | 4.24583 | 0.00000 | 340073.9 | 148251.0 | 0.0 | U/P |
| 16.022 | 0.9536 | 0.0000 | 74.119 | 4.24407 | 0.00000 | 340150.3 | 148590.6 | 0.0 | U/P |
| 16.044 | 0.9468 | 0.0000 | 74.116 | 4.24230 | 0.00000 | 340226.3 | 148930.1 | 0.0 | U/P |
| 16.067 | 0.9315 | 0.0000 | 74.112 | 4.24053 | 0.00000 | 340301.4 | 149269.4 | 0.0 | U/P |
| 16.089 | 0.9077 | 0.0000 | 74.108 | 4.23876 | 0.00000 | 340375.0 | 149608.6 | 0.0 | U/P |
| 16.111 | 0.8797 | 0.0000 | 74.105 | 4.23697 | 0.00000 | 340446.5 | 149947.6 | 0.0 | U/P |
| 16.133 | 0.8523 | 0.0000 | 74.101 | 4.23516 | 0.00000 | 340515.8 | 150286.5 | 0.0 | U/P |
| 16.156 | 0.8284 | 0.0000 | 74.097 | 4.23335 | 0.00000 | 340583.0 | 150625.2 | 0.0 | U/P |
| 16.178 | 0.8101 | 0.0000 | 74.094 | 4.23151 | 0.00000 | 340648.5 | 150963.8 | 0.0 | U/P |
| 16.200 | 0.7972 | 0.0000 | 74.090 | 4.22968 | 0.00000 | 340712.8 | 151302.3 | 0.0 | U/P |
| 16.222 | 0.7880 | 0.0000 | 74.086 | 4.22783 | 0.00000 | 340776.2 | 151640.6 | 0.0 | U/P |
| 16.244 | 0.7813 | 0.0000 | 74.082 | 4.22598 | 0.00000 | 340839.0 | 151978.7 | 0.0 | U/P |
| 16.267 | 0.7765 | 0.0000 | 74.079 | 4.22412 | 0.00000 | 340901.3 | 152316.7 | 0.0 | U/P |
| 16.289 | 0.7730 | 0.0000 | 74.075 | 4.22226 | 0.00000 | 340963.3 | 152654.6 | 0.0 | U/P |
| 16.311 | 0.7705 | 0.0000 | 74.071 | 4.22040 | 0.00000 | 341025.0 | 152992.3 | 0.0 | U/P |
| 16.333 | 0.7687 | 0.0000 | 74.067 | 4.21854 | 0.00000 | 341086.6 | 153329.8 | 0.0 | U/P |
| 16.356 | 0.7674 | 0.0000 | 74.063 | 4.21668 | 0.00000 | 341148.0 | 153667.2 | 0.0 | U/P |
| 16.378 | 0.7664 | 0.0000 | 74.060 | 4.21482 | 0.00000 | 341209.4 | 154004.5 | 0.0 | U/P |
| 16.400 | 0.7657 | 0.0000 | 74.056 | 4.21296 | 0.00000 | 341270.7 | 154341.6 | 0.0 | U/P |
| $\uparrow 6.422$ | 0.7653 | 0.0000 | 74.052 | 4.21109 | 0.00000 | 341331.9 | 154678.6 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: Temp Inetrim Pond $100 \mathrm{Yr} / 24 \mathrm{Hr}$

| Elapsed Time (hours) | inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (fl datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{H}^{3} / \mathrm{s}$ ) | $\begin{aligned} & \text { Cumulative } \\ & \text { Infiow } \\ & \text { Volume ( } \mathrm{ft}^{3} \text { ) } \end{aligned}$ | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 16.444 | 0.7649 | 0.0000 | 74.048 | 4.20923 | 0.00000 | 341393.1 | 155015.4 | 0.0 | U/P |
| 16.467 | 0.7646 | 0.0000 | 74.045 | 4.20737 | 0.00000 | 341454.3 | 155352.0 | 0.0 | U/P |
| 16.489 | 0.7644 | 0.0000 | 74.041 | 4.20551 | 0.00000 | 341515.4 | 155688.6 | 0.0 | U/P |
| 16.511 | 0.7643 | 0.0000 | 74.037 | 4.20364 | 0.00000 | 341576.6 | 156024.9 | 0.0 | U/P |
| 16.533 | 0.7677 | 0.0000 | 74.033 | 4.20178 | 0.00000 | 341637.9 | 156361.2 | 0.0 | U/P |
| 16.556 | 0.7784 | 0.0000 | 74.029 | 4.19992 | 0.00000 | 341699.7 | 156697.2 | 0.0 | U/P |
| 16.578 | 0.8016 | 0.0000 | 74.026 | 4.19807 | 0.00000 | 341762.9 | 157033.1 | 0.0 | U/P |
| 16.600 | 0.8345 | 0.0000 | 74.022 | 4.19623 | 0.00000 | 341828.3 | 157368.9 | 0.0 | U/P |
| 16.622 | 0.8702 | 0.0000 | 74.018 | 4.19441 | 0.00000 | 341896.6 | 157704.5 | 0.0 | U/P |
| 16.644 | 0.9037 | 0.0000 | 74.015 | 4.19260 | 0.00000 | 341967.5 | 158040.0 | 0.0 | U/P |
| 16.667 | 0.9318 | 0.0000 | 74.011 | 4.19082 | 0.00000 | 342040.9 | 158375.3 | 0.0 | U/P |
| 16.689 | 0.9522 | 0.0000 | 74.007 | 4.18904 | 0.00000 | 342116.3 | 158710.5 | 0.0 | U/P |
| 16.711 | 0.9664 | 0.0000 | 74.004 | 4.18728 | 0.00000 | 342193.0 | 159045.6 | 0.0 | U/P |
| 16.733 | 0.9766 | 0.0000 | 74.000 | 4.18553 | 0.00000 | 342270.8 | 159380.5 | 0.0 | U/P |
| 16.756 | 0.9841 | 0.0000 | 73.997 | 4.18325 | 0.00000 | 342349.2 | 159715.3 | 0.0 | U/P |
| 16.778 | 0.9895 | 0.0000 | 73.993 | 4.18039 | 0.00000 | 342428.1 | 160049.8 | 0.0 | U/P |
| 16.800 | 0.9934 | 0.0000 | 73.990 | 4.17750 | 0.00000 | 342507.4 | 160384.1 | 0.0 | U/P |
| 16.822 | 0.9962 | 0.0000 | 73.986 | 4.17462 | 0.00000 | 342587.0 | 160718.2 | 0.0 | U/P |
| 16.844 | 0.9982 | 0.0000 | 73.983 | 4.17174 | 0.00000 | 342666.8 | 161052.1 | 0.0 | U/P |
| 16.867 | 0.9996 | 0.0000 | 73.979 | 4.16886 | 0.00000 | 342746.7 | 161385.7 | 0.0 | U/P |
| 16.889 | 1.0007 | 0.0000 | 73.976 | 4.16599 | 0.00000 | 342826.7 | 161719.1 | 0.0 | U/P |
| 16.911 | 1.0015 | 0.0000 | 73.972 | 4.16311 | 0.00000 | 342906.8 | 162052.3 | 0.0 | U/P |
| 16.933 | 1.0020 | 0.0000 | 73.968 | 4.16024 | 0.00000 | 342986.9 | 162385.2 | 0.0 | U/P |
| 16.956 | 1.0024 | 0.0000 | 73.965 | 4.15737 | 0.00000 | 343067.1 | 162717.9 | 0.0 | U/P |
| 16.978 | 1.0027 | 0.0000 | 73.961 | 4.15450 | 0.00000 | 343147.3 | 163050.4 | 0.0 | U/P |
| 17.000 | 1.0037 | 0.0000 | 73.958 | 4.15163 | 0.00000 | 343227.6 | 163382.6 | 0.0 | U/P |
| 17.022 | 1.0076 | 0.0000 | 73.954 | 4.14876 | 0.00000 | 343308.0 | 163714.6 | 0.0 | U/P |
| 17.044 | 1.0171 | 0.0000 | 73.951 | 4.14590 | 0.00000 | 343389.0 | 164046.4 | 0.0 | U/P |
| 17.067 | 1.0334 | 0.0000 | 73.947 | 4.14305 | 0.00000 | 343471.0 | 164378.0 | 0.0 | U/P |
| 17.089 | 1.0539 | 0.0000 | 73.944 | 4.14021 | 0.00000 | 343554.5 | 164709.3 | 0.0 | U/P |
| 17.111 | 1.0749 | 0.0000 | 73.941 | 4.13739 | 0.00000 | 343639.7 | 165040.4 | 0.0 | U/P |
| 17.133 | 1.0937 | 0.0000 | 73.937 | 4.13459 | 0.00000 | 343726.4 | 165371.3 | 0.0 | U/P |
| 17.156 | 1.1088 | 0.0000 | 73.934 | 4.13181 | 0.00000 | 343814.5 | 165702.0 | 0.0 | U/P |
| 17.178 | 1.1195 | 0.0000 | 73.930 | 4.12904 | 0.00000 | 343903.7 | 166032.4 | 0.0 | U/P |
| 17.200 | 1.1270 | 0.0000 | 73.927 | 4.12628 | 0.00000 | 343993.5 | 166362.6 | 0.0 | U/P |
| 17.222 | 1.1325 | 0.0000 | 73.924 | 4.12353 | 0.00000 | 344083.9 | 166692.6 | 0.0 | U/P |
| 17.244 | 1.1365 | 0.0000 | 73.920 | 4.12079 | 0.00000 | 344174.7 | 167022.4 | 0.0 | U/P |
| 17.267 | 1.1393 | 0.0000 | 73.917 | 4.11805 | 0.00000 | 344265.7 | 167351.9 | 0.0 | U/P |
| 17.289 | 1.1414 | 0.0000 | 73.914 | 4.11531 | 0.00000 | 344356.9 | 167681.3 | 0.0 | U/P |
| 17.311 | 1.1429 | 0.0000 | 73.910 | 4.11258 | 0.00000 | 344448.3 | 168010.4 | 0.0 | U/P |
| 17.333 | 1.1440 | 0.0000 | 73.907 | 4.10985 | 0.00000 | 344539.8 | 168339.3 | 0.0 | U/P |
| 17.356 | 1.1447 | 0.0000 | 73.904 | 4.10712 | 0.00000 | 344631.3 | 168667.9 | 0.0 | U/P |
| 17.378 | 1.1453 | 0.0000 | 73.900 | 4.10439 | 0.00000 | 344722.9 | 168996.4 | 0.0 | U/P |
| 17.400 | 1.1457 | 0.0000 | 73.897 | 4.10166 | 0.00000 | 344814.6 | 169324.6 | 0.0 | U/P |
| 17.422 | 1.1460 | 0.0000 | 73.894 | 4.09894 | 0.00000 | 344906.3 | 169652.7 | 0.0 | U/P |
| 17.444 | 1.1462 | 0.0000 | 73.890 | 4.09621 | 0.00000 | 344997.9 | 169980.5 | 0.0 | U/P |
| 17.467 | 1.1464 | 0.0000 | 73.887 | 4.09349 | 0.00000 | 345089.6 | 170308.1 | 0.0 | U/P |
| 17.489 | 1.1465 | 0.0000 | 73.884 | 4.09076 | 0.00000 | 345181.3 | 170635.4 | 0.0 | U/P |
| 17.511 | 1.1446 | 0.0000 | 73.880 | 4.08804 | 0.00000 | 345273.0 | 170962.6 | 0.0 | U/P |
| 17.533 | \$. 1377 | 0.0000 | 73.877 | 4.08532 | 0.00000 | 345364.3 | 171289.5 | 0.0 | U/P |
| 17.556 | 1.1220 | 0.0000 | 73.873 | 4.08259 | 0.00000 | 345454.7 | 171616.2 | 0.0 | U/P |
| 17.578 | 1.0978 | 0.0000 | 73.870 | 4.07984 | 0.00000 | 345543.5 | 171942.7 | 0.0 | U/P |
| 17.600 | 1.0698 | 0.0000 | 73.867 | 4.07708 | 0.00000 | 345630.2 | 172269.0 | 0.0 | U/P |
| 17.622 | 1.0425 | 0.0000 | 73.863 | 4.07429 | 0.00000 | 345714.7 | 172595.1 | 0.0 | U/P |
| 17.644 | 1.0187 | 0.0000 | 73.860 | 4.07147 | 0.00000 | 345797.1 | 172920.9 | 0.0 | U/P |
| 17.667 | 1.0007 | 0.0000 | 73.856 | 4.06864 | 0.00000 | 345877.9 | 173246.5 | 0.0 | U/P |
| 17.689 | 0.9879 | 0.0000 | 73.853 | 4.06579 | 0.00000 | 345957.4 | 173571.9 | 0.0 | U/P |
| 17.711 | 0.9789 | 0.0000 | 73.849 | 4.06292 | 0.00000 | 346036.1 | 173897.0 | 0.0 | U/P |
| 17.733 | 0.9723 | 0.0000 | 73.846 | 4.06005 | 0.00000 | 346114.2 | 174221.9 | 0.0 | U/P |
| 17.756 | 0.9675 | 0.0000 | 73.842 | 4.05718 | 0.00000 | 346191.7 | 174546.6 | 0.0 | U/P |
| 17.778 | 0.9641 | 0.0000 | 73.839 | 4.05430 | 0.00000 | 346269.0 | 174871.1 | 0.0 | U/P |
| 17.800 | 0.9616 | 0.0000 | 73.835 | 4.05141 | 0.00000 | 346346.0 | 175195.3 | 0.0 | U/P |
| 17.822 | 0.9598 | 0.0000 | 73.832 | 4.04853 | 0.00000 | 346422.9 | 175519.3 | 0.0 | U/P |
| 17.844 | 0.9585 | 0.0000 | 73.828 | 4.04564 | 0.00000 | 346499.6 | 175843.1 | 0.0 | U/P |
| 17.867 | 0.9576 | 0.0000 | 73.825 | 4.04276 | 0.00000 | 346576.3 | 176166.6 | 0.0 | U/P |
| 17.889 | 0.9569 | 0.0000 | 73.821 | 4.03987 | 0.00000 | 346652.8 | 176489.9 | 0.0 | U/P |
| 17.911 | 0.9564 | 0.0000 | 73.818 | 4.03698 | 0.00000 | 346729.4 | 176813.0 | 0.0 | U/P |
| 17.933 | 0.9561 | 0.0000 | 73.814 | 4.03410 | 0.00000 | 346805.9 | 177135.8 | 0.0 | U/P |
| 17.956 | 0.9558 | 0.0000 | 73.810 | 4.03121 | 0.00000 | 346882.4 | 177458.5 | 0.0 | U/P |
| 17.978 | 0.9556 | 0.0000 | 73.807 | 4.02833 | 0.00000 | 346958.8 | 177780.8 | 0.0 | U/P |
| 18.000 | 0.9555 | 0.0000 | 73.803 | 4.02544 | 0.00000 | 347035.3 | 178103.0 | 0.0 | U/P |
| 18.022 | 0.9526 | 0.0000 | 73.800 | 4.02256 | 0.00000 | 347111.6 | 178424.9 | 0.0 | U/P |
| 18.044 | 0.9436 | 0.0000 | 73.796 | 4.01967 | 0.00000 | 347187.4 | 178746.6 | 0.0 | U/P |
| 18.067 | 0.9247 | 0.0000 | 73.793 | 4.01677 | 0.00000 | 347262.2 | 179068.0 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario $1::$ Temp Inetrim Pond $100 \mathrm{Yr} / 24 \mathrm{Hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (fl datum) | Infittration Rate ( $\mathrm{Hl}^{3} / \mathrm{s}$ ) | Overflow Dischafge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Intlow Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Infiltration Volume (fis) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 18.089 | 0.8981 | 0.0000 | 73.789 | 4.01386 | 0.00000 | 347335.1 | 179389.3 | 0.0 | U/P |
| 18.111 | 0.8694 | 0.0000 | 73.786 | 4.01092 | 0.00000 | 347405.8 | 179710.3 | 0.0 | U/P |
| 18.133 | 0.8427 | 0.0000 | 73.782 | 4.00796 | 0.00000 | 347474.3 | 180031.0 | 0.0 | U/P |
| 18.156 | 0.8204 | 0.0000 | 73.778 | 4.00497 | 0.00000 | 347540.8 | 180351.5 | 0.0 | U/P |
| 18.178 | 0.8043 | 0.0000 | 73.775 | 4.00197 | 0.00000 | 347605.8 | 180671.8 | 0.0 | U/P |
| 18.200 | 0.7931 | 0.0000 | 73.771 | 3.99894 | 0.00000 | 347669.7 | 180991.9 | 0.0 | U/P |
| 18.222 | 0.7851 | 0.0000 | 73.767 | 3.99591 | 0.00000 | 347732.8 | 181311.7 | 0.0 | U/P |
| 18.244 | 0.7792 | 0.0000 | 73.763 | 3.99287 | 0.00000 | 347795.4 | 181631.2 | 0.0 | U/P |
| 18.267 | 0.7750 | 0.0000 | 73.760 | 3.98983 | 0.00000 | 347857.5 | 181950.5 | 0.0 | U/P |
| 18.289 | 0.7719 | 0.0000 | 73.756 | 3.98678 | 0.00000 | 347919.4 | 182269.6 | 0.0 | U/P |
| 18.311 | 0.7697 | 0.0000 | 73.752 | 3.98373 | 0.00000 | 347981.1 | 182588.4 | 0.0 | U/P |
| 18.333 | 0.7681 | 0.0000 | 73.749 | 3.98068 | 0.00000 | 348042.6 | 182907.0 | 0.0 | U/P |
| 18.356 | 0.7670 | 0.0000 | 73.745 | 3.97763 | 0.00000 | 348104.0 | 183225.3 | 0.0 | U/P |
| 18.378 | 0.7661 | 0.0000 | 73.741 | 3.97458 | 0.00000 | 348165.3 | 183543.4 | 0.0 | U/P |
| 18.400 | 0.7655 | 0.0000 | 73.737 | 3.97152 | 0.00000 | 348226.6 | 183861.2 | 0.0 | U/P |
| 18.422 | 0.7651 | 0.0000 | 73.734 | 3.96847 | 0.00000 | 348287.8 | 184178.8 | 0.0 | U/P |
| 18.444 | 0.7648 | 0.0000 | 73.730 | 3.96542 | 0.00000 | 348349.0 | 184496.2 | 0.0 | U/P |
| 18.467 | 0.7646 | 0.0000 | 73.726 | 3.96236 | 0.00000 | 348410.2 | 184813.3 | 0.0 | U/P |
| 18.489 | 0.7644 | 0.0000 | 73.722 | 3.95931 | 0.00000 | 348471.3 | 185130.2 | 0.0 | U/P |
| 18.511 | 0.7652 | 0.0000 | 73.719 | 3.95626 | 0.00000 | 348532.5 | 185446.8 | 0.0 | U/P |
| 18.533 | 0.7699 | 0.0000 | 73.715 | 3.95321 | 0.00000 | 348593.9 | 185763.2 | 0.0 | U/P |
| 18.556 | 0.7820 | 0.0000 | 73.711 | 3.95016 | 0.00000 | 348656.0 | 186079.3 | 0.0 | U/P |
| 18.578 | 0.8034 | 0.0000 | 73.707 | 3.94713 | 0.00000 | 348719.4 | 186395.2 | 0.0 | U/P |
| 18.600 | 0.8307 | 0.0000 | 73.704 | 3.94412 | 0.00000 | 348784.8 | 186710.8 | 0.0 | U/P |
| 18.622 | 0.8587 | 0.0000 | 73.700 | 3.94113 | 0.00000 | 348852.4 | 187026.3 | 0.0 | U/P |
| 18.644 | 0.8840 | 0.0000 | 73.697 | 3.93818 | 0.00000 | 348922.1 | 187341.4 | 0.0 | U/P |
| 18.667 | 0.9044 | 0.0000 | 73.693 | 3.93524 | 0.00000 | 348993.6 | 187656.4 | 0.0 | U/P |
| 18.689 | 0.9189 | 0.0000 | 73.689 | 3.93233 | 0.00000 | 349066.5 | 187971.1 | 0.0 | U/P |
| 18.711 | 0.9290 | 0.0000 | 73.686 | 3.92943 | 0.00000 | 349140.5 | 188285.5 | 0.0 | U/P |
| 18.733 | 0.9364 | 0.0000 | 73.682 | 3.92654 | 0.00000 | 349215.1 | 188599.8 | 0.0 | U/P |
| 18.756 | 0.9418 | 0.0000 | 73.679 | 3.92366 | 0.00000 | 349290.2 | 188913.8 | 0.0 | U/P |
| 18.778 | 0.9456 | 0.0000 | 73.675 | 3.92078 | 0.00000 | 349365.7 | 189227.6 | 0.0 | U/P |
| 18.800 | 0.9484 | 0.0000 | 73.672 | 3.91791 | 0.00000 | 349441.5 | 189541.1 | 0.0 | U/P |
| 18.822 | 0.9504 | 0.0000 | 73.668 | 3.91504 | 0.00000 | 349517.4 | 189854.4 | 0.0 | U/P |
| 18.844 | 0.9519 | 0.0000 | 73.665 | 3.91218 | 0.00000 | 349593.5 | 190167.5 | 0.0 | U/P |
| 18.867 | 0.9529 | 0.0000 | 73.661 | 3.90932 | 0.00000 | 349669.7 | 190480.4 | 0.0 | U/P |
| 18.889 | 0.9537 | 0.0000 | 73.658 | 3.90646 | 0.00000 | 349746.0 | 190793.0 | 0.0 | U/P |
| 18.911 | 0.9542 | 0.0000 | 73.654 | 3.90360 | 0.00000 | 349822.3 | 191105.4 | 0.0 | U/P |
| 18.933 | 0.9546 | 0.0000 | 73.651 | 3.90074 | 0.00000 | 349898.6 | 191417.6 | 0.0 | U/P |
| 18.956 | 0.9549 | 0.0000 | 73.647 | 3.89788 | 0.00000 | 349975.0 | 191729.5 | 0.0 | U/P |
| 18.978 | 0.9551 | 0.0000 | 73.644 | 3.89503 | 0.00000 | 350051.4 | 192041.2 | 0.0 | U/P |
| 19.000 | 0.9553 | 0.0000 | 73.640 | 3.89217 | 0,00000 | 350127.8 | 192352.7 | 0.0 | U/P |
| 19.022 | 0.9517 | 0.0000 | 73.637 | 3.88932 | 0.00000 | 350204.1 | 192664.0 | 0.0 | U/P |
| 19.044 | 0.9383 | 0.0000 | 73.633 | 3.88646 | 0.00000 | 350279.7 | 192975.0 | 0.0 | U/P |
| 19.067 | 0.9077 | 0.0000 | 73.630 | 3.88358 | 0.00000 | 350353.5 | 193285.8 | 0.0 | U/P |
| 19.089 | 0.8600 | 0.0000 | 73.626 | 3.88068 | 0.00000 | 350424.3 | 193596.4 | 0.0 | U/P |
| 19.111 | 0.8041 | 0.0000 | 73.623 | 3.87773 | 0.00000 | 350490.8 | 193906.7 | 0.0 | U/P |
| 19.133 | 0.7494 | 0.0000 | 73.619 | 3.87474 | 0.00000 | 350552.9 | 194216.8 | 0.0 | U/P |
| 19.156 | 0.7016 | 0.0000 | 73.615 | 3.87169 | 0.00000 | 350611.0 | 194526.7 | 0.0 | U/P |
| 19.178 | 0.6650 | 0.0000 | 73.611 | 3.86859 | 0.00000 | 350665.7 | 194836.3 | 0.0 | U/P |
| 19.200 | 0.6391 | 0.0000 | 73.607 | 3.86546 | 0.00000 | 350717.8 | 195145.7 | 0.0 | U/P |
| 19.222 | 0.6208 | 0.0000 | 73.604 | 3.86231 | 0.00000 | 350768.2 | 195454.8 | 0.0 | U/P |
| 19.244 | 0.6074 | 0.0000 | 73.600 | 3.85913 | 0.00000 | 350817.3 | 195763.6 | 0.0 | U/P |
| 19.267 | 0.5978 | 0.0000 | 73.596 | 3.85595 | 0.00000 | 350865.6 | 196072.2 | 0.0 | U/P |
| 19.289 | 0.5908 | 0.0000 | 73.592 | 3.85275 | 0.00000 | 350913.1 | 196380.6 | 0.0 | U/P |
| 19.311 | 0.5858 | 0.0000 | 73.588 | 3.84955 | 0.00000 | 350960.2 | 196688.7 | 0.0 | U/P |
| 19.333 | 0.5822 | 0.0000 | 73.584 | 3.84634 | 0.00000 | 351006.9 | 196996.5 | 0.0 | U/P |
| 19.356 | 0.5796 | 0.0000 | 73.580 | 3.84313 | 0.00000 | 351053.3 | 197304.1 | 0.0 | U/P |
| 19.378 | 0.5777 | 0.0000 | 73.576 | 3.83992 | 0.00000 | 351099.6 | 197611.4 | 0.0 | U/P |
| 19.400 | 0.5763 | 0.0000 | 73.572 | 3.83671 | 0.00000 | 351145.8 | 197918.5 | 0.0 | U/P |
| 19.422 | 0.5753 | 0.0000 | 73.568 | 3.83349 | 0.00000 | 351191.9 | 198225.3 | 0.0 | U/P |
| 19.444 | 0.5746 | 0.0000 | 73.564 | 3.83028 | 0.00000 | 351237.9 | 198531.8 | 0.0 | U/P |
| 19.467 | 0.5741 | 0.0000 | 73.560 | 3.82706 | 0.00000 | 351283.8 | 198838.1 | 0.0 | U/P |
| 19.489 | 0.5737 | 0.0000 | 73.556 | 3.82385 | 0.00000 | 351329.7 | 199144.2 | 0.0 | U/P |
| 19.511 | 0.5734 | 0.0000 | 73.552 | 3.82063 | 0.00000 | 351375.6 | 199450.0 | 0.0 | U/P |
| 19.533 | 0.5765 | 0.0000 | 73.549 | 3.81742 | 0.00000 | 351421.6 | 199755.5 | 0.0 | U/P |
| 19.556 | 0.5869 | 0.0000 | 73.545 | 3.81421 | 0.00000 | 351468.1 | 200060.7 | 0.0 | U/P |
| 19.578 | 0.6091 | 0.0000 | 73.541 | 3.81101 | 0.00000 | 351516.0 | 200365.7 | 0.0 | U/P |
| 19.600 | 0.6407 | 0.0000 | 73.537 | 3.80784 | 0.00000 | 351566.0 | 200670.5 | 0.0 | U/P |
| 19.622 | 0.6750 | 0.0000 | 73.533 | 3.80469 | 0.00000 | 351618.6 | 200975.0 | 0.0 | U/P |
| 19.644 | 0.7071 | 0.0000 | 73.529 | 3.80158 | 0.00000 | 351673.9 | 201279.3 | 0.0 | U/P |
| 19.667 | 0.7341 | 0.0000 | 73.525 | 3.79850 | 0.00000 | 351731.5 | 201583.3 | 0.0 | U/P |
| 19.689 | 0.7537 | 0.0000 | 73.522 | 3.79544 | 0.00000 | 351791.1 | 201887.0 | 0.0 | U/P |
| 19.711 | 0.7674 | 0.0000 | 73.518 | 3.79241 | 0.00000 | 351851.9 | 202190.5 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Temp Inetrim Pond $100 \mathrm{Yr} / 24 \mathrm{Hr}$

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{3 / 5}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / 3}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 19.733 | 0.7771 | 0.0000 | 73.514 | 3.78939 | 0.00000 | 351913.7 | 202493.8 | 0.0 | U/P |
| 19.756 | 0.7844 | 0.0000 | 73.511 | 3.78639 | 0.00000 | 351976.1 | 202796.8 | 0.0 | U/P |
| 19.778 | 0.7895 | 0.0000 | 73.507 | 3.78339 | 0.00000 | 352039.1 | 203099.6 | 0.0 | U/P |
| 19.800 | 0.7932 | 0.0000 | 73.503 | 3.78039 | 0.00000 | 352102.4 | 203402.2 | 0.0 | U/P |
| 19.822 | 0.7959 | 0.0000 | 73.500 | 3.77740 | 0.00000 | 352166.0 | 203704.5 | 0.0 | U/P |
| 19.844 | 0.7978 | 0.0000 | 73.496 | 3.77442 | 0.00000 | 352229.7 | 204006.5 | 0.0 | U/P |
| 19.867 | 0.7992 | 0.0000 | 73.492 | 3.77143 | 0.00000 | 352293.6 | 204308.4 | 0.0 | U/P |
| 19.889 | 0.8003 | 0.0000 | 73.489 | 3.76845 | 0.00000 | 352357.6 | 204610.0 | 0.0 | U/P |
| 19.911 | 0.8010 | 0.0000 | 73.485 | 3.76547 | 0.00000 | 352421.6 | 204911.3 | 0.0 | U/P |
| 19.933 | 0.8015 | 0.0000 | 73.481 | 3.76250 | 0.00000 | 352485.7 | 205212.5 | 0.0 | U/P |
| 19.956 | 0.8019 | 0.0000 | 73.478 | 3.75952 | 0.00000 | 352549.9 | 205513.3 | 0.0 | U/P |
| 19.978 | 0.8022 | 0.0000 | 73.474 | 3.75654 | 0.00000 | 352614.0 | 205814.0 | 0.0 | U/P |
| 20.000 | 0.8001 | 0.0000 | 73.470 | 3.75357 | 0.00000 | 352678.1 | 206114.4 | 0.0 | U/P |
| 20.022 | 0.7892 | 0.0000 | 73.467 | 3.75059 | 0.00000 | 352741.7 | 206414.5 | 0.0 | U/P |
| 20.044 | 0.7618 | 0.0000 | 73.463 | 3.74760 | 0.00000 | 352803.8 | 206714.5 | 0.0 | U/P |
| 20.067 | 0.7141 | 0.0000 | 73.459 | 3.74458 | 0.00000 | 352862.8 | 207014.2 | 0.0 | U/P |
| 20.089 | 0.6539 | 0.0000 | 73.456 | 3.74151 | 0.00000 | 352917.5 | 207313.6 | 0.0 | U/P |
| 20.111 | 0.5924 | 0.0000 | 73.452 | 3.73839 | 0.00000 | 352967.3 | 207612.8 | 0.0 | U/P |
| 20.133 | 0.5372 | 0.0000 | 73.448 | 3.73521 | 0.00000 | 353012.5 | 207911.8 | 0.0 | U/P |
| 20.156 | 0.4930 | 0.0000 | 73.444 | 3.73198 | 0.00000 | 353053.8 | 208210.4 | 0.0 | U/P |
| 20.178 | 0.4616 | 0.0000 | 73.440 | 3.72870 | 0.00000 | 353091.9 | 208508.9 | 0.0 | U/P |
| 20.200 | 0.4395 | 0.0000 | 73.436 | 3.72538 | 0.00000 | 353128.0 | 208807.0 | 0.0 | U/P |
| 20.222 | 0.4235 | 0.0000 | 73.432 | 3.72205 | 0.00000 | 353162.5 | 209104.9 | 0.0 | U/P |
| 20.244 | 0.4118 | 0.0000 | 73.428 | 3.71870 | 0.00000 | 353195.9 | 209402.6 | 0.0 | U/P |
| 20.267 | 0.4035 | 0.0000 | 73.423 | 3.71533 | 0.00000 | 353228.5 | 209699.9 | 0.0 | U/P |
| 20.289 | 0.3974 | 0.0000 | 73.419 | 3.71196 | 0.00000 | 353260.6 | 209997.0 | 0.0 | U/P |
| 20.311 | 0.3930 | 0.0000 | 73.415 | 3.70859 | 0.00000 | 353292.2 | 210293.8 | 0.0 | U/P |
| 20.333 | 0.3899 | 0.0000 | 73.411 | 3.70520 | 0.00000 | 353323.5 | 210590.4 | 0.0 | U/P |
| 20.356 | 0.3876 | 0.0000 | 73.407 | 3.70182 | 0.00000 | 353354.6 | 210886.7 | 0.0 | U/P |
| 20.378 | 0.3860 | 0.0000 | 73.403 | 3.69843 | 0.00000 | 353385.5 | 211182.7 | 0.0 | U/P |
| 20.400 | 0.3848 | 0.0000 | 73.399 | 3.69504 | 0.00000 | 353416.4 | 211478.4 | 0.0 | U/P |
| 20.422 | 0.3840 | 0.0000 | 73.394 | 3.69166 | 0.00000 | 353447.1 | 211773.9 | 0.0 | U/P |
| 20.444 | 0.3833 | 0.0000 | 73.390 | 3.68827 | 0.00000 | 353477.8 | 212069.1 | 0.0 | U/P |
| 20.467 | 0.3828 | 0.0000 | 73.386 | 3.68488 | 0.00000 | 353508.5 | 212364.0 | 0.0 | U/P |
| 20.489 | 0.3825 | 0.0000 | 73.382 | 3.68149 | 0.00000 | 353539.1 | 212658.7 | 0.0 | U/P |
| 20.511 | 0.3842 | 0.0000 | 73.378 | 3.67810 | 0.00000 | 353569.8 | 212953.0 | 0.0 | U/P |
| 20.533 | 0.3911 | 0.0000 | 73.374 | 3.67471 | 0.00000 | 353600.8 | 213247.2 | 0.0 | U/P |
| 20.556 | 0.4068 | 0.0000 | 73.370 | 3.67133 | 0.00000 | 353632.7 | 213541.0 | 0.0 | U/P |
| 20.578 | 0.4310 | 0.0000 | 73.365 | 3.66797 | 0.00000 | 353666.2 | 213834.6 | 0.0 | U/P |
| 20.600 | 0.4590 | 0.0000 | 73.361 | 3.66463 | 0.00000 | 353701.8 | 214127.9 | 0.0 | U/P |
| 20.622 | 0.4862 | 0.0000 | 73.357 | 3.66133 | 0.00000 | 353739.6 | 214420.9 | 0.0 | U/P |
| 20.644 | 0.5099 | 0.0000 | 73.353 | 3.65804 | 0.00000 | 353779.4 | 214713.7 | 0.0 | U/P |
| 20.667 | 0.5280 | 0.0000 | 73.349 | 3.65479 | 0.00000 | 353820.9 | 215006.2 | 0.0 | U/P |
| 20.689 | 0.5407 | 0.0000 | 73.345 | 3.65155 | 0.00000 | 353863.7 | 215298.5 | 0.0 | U/P |
| 20.711 | 0.5497 | 0.0000 | 73.341 | 3.64833 | 0.00000 | 353907.3 | 215590.4 | 0.0 | U/P |
| 20.733 | 0.5563 | 0.0000 | 73.338 | 3.64511 | 0.00000 | 353951.6 | 215882.2 | 0.0 | U/P |
| 20.756 | 0.5611 | 0.0000 | 73.334 | 3.64191 | 0.00000 | 353996.3 | 216173.7 | 0.0 | U/P |
| 20.778 | 0.5645 | 0.0000 | 73.330 | 3.63871 | 0.00000 | 354041.3 | 216464.9 | 0.0 | U/P |
| 20.800 | 0.5670 | 0.0000 | 73.326 | 3.63551 | 0.00000 | 354086.5 | 216755.9 | 0.0 | U/P |
| 20.822 | 0.5688 | 0.0000 | 73.322 | 3.63232 | 0.00000 | 354132.0 | 217046.6 | 0.0 | U/P |
| 20.844 | 0.5701 | 0.0000 | 73.318 | 3.62913 | 0.00000 | 354177.5 | 217337.0 | 0.0 | U/P |
| 20.867 | 0.5710 | 0.0000 | 73.314 | 3.62594 | 0.00000 | 354223.2 | 217627.2 | 0.0 | U/P |
| 20.889 | 0.5717 | 0.0000 | 73.310 | 3.62275 | 0.00000 | 354268.9 | 217917.2 | 0.0 | U/P |
| 20.911 | 0.5722 | 0.0000 | 73.306 | 3.61956 | 0.00000 | 354314.6 | 218206.9 | 0.0 | U/P |
| 20.933 | 0.5725 | 0.0000 | 73.302 | 3.61638 | 0.00000 | 354360.4 | 218496.3 | 0.0 | U/P |
| 20.956 | 0.5728 | 0.0000 | 73.298 | 3.61320 | 0.00000 | 354406.2 | 218785.5 | 0.0 | U/P |
| 20.978 | 0.5730 | 0.0000 | 73.295 | 3.61001 | 0.00000 | 354452.1 | 219074.4 | 0.0 | U/P |
| 21.000 | 0.5731 | 0.0000 | 73.291 | 3.60683 | 0.00000 | 354497.9 | 219363.1 | 0.0 | U/P |
| 21.022 | 0.5703 | 0.0000 | 73.287 | 3.60365 | 0.00000 | 354543.6 | 219651.5 | 0.0 | U/P |
| 21.044 | 0.5615 | 0.0000 | 73.283 | 3.60046 | 0.00000 | 354588.9 | 219939.7 | 0.0 | U/P |
| 21.067 | 0.5426 | 0.0000 | 73.279 | 3.59727 | 0.00000 | 354633.1 | 220227.6 | 0.0 | U/P |
| 21.089 | 0.5159 | 0.0000 | 73.275 | 3.59405 | 0.00000 | 354675.4 | 220515.2 | 0.0 | U/P |
| 21.111 | 0.4873 | 0.0000 | 73.271 | 3.59081 | 0.00000 | 354715.5 | 220802.6 | 0.0 | U/P |
| 21.133 | 0.4607 | 0.0000 | 73.267 | 3.58754 | 0.00000 | 354753.5 | 221089.8 | 0.0 | U/P |
| 21.156 | 0.4383 | 0.0000 | 73.263 | 3.58425 | 0.00000 | 354789.4 | 221376.6 | 0.0 | U/P |
| 21.178 | 0.4223 | 0.0000 | 73.259 | 3.58093 | 0.00000 | 354823.8 | 221663.3 | 0.0 | U/P |
| 21.200 | 0.4111 | 0.0000 | 73.255 | 3.57759 | 0.00000 | 354857.2 | 221949.6 | 0.0 | U/P |
| 21.222 | 0.4031 | 0.0000 | 73.251 | 3.57424 | 0.00000 | 354889.8 | 222235.7 | 0.0 | U/P |
| 21.244 | 0.3972 | 0.0000 | 73.247 | 3.57089 | 0.00000 | 354921.8 | 222521.5 | 0.0 | U/P |
| 21.267 | 0.3930 | 0.0000 | 73.242 | 3.56753 | 0.00000 | 354953.4 | 222807.0 | 0.0 | U/P |
| 21.289 | 0.3899 | 0.0000 | 73.238 | 3.56416 | 0.00000 | 354984.7 | 223092.3 | 0.0 | U/P |
| 21.311 | 0.3877 | 0.0000 | 73.234 | 3.56079 | 0.00000 | 355015.8 | 223377.3 | 0.0 | U/P |
| 21.333 | 0.3861 | 0.0000 | 73.230 | 3.55742 | 0.00000 | 355046.8 | 223662.0 | 0.0 | U/P |
| 21.356 | 0.3850 | 0.0000 | 73.226 | 3.55405 | 0.00000 | 355077.6 | 223946.5 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario $1::$ Temp Inetrim Pond $100 \mathrm{Yr} / 24 \mathrm{Hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Outside Recharge (f/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{Ht}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 21.378 | 0.3841 | 0.0000 | 73.222 | 3.55068 | 0.00000 | 355108.3 | 224230.6 | 0.0 | U/P |
| 21.400 | 0.3835 | 0.0000 | 73.218 | 3.54730 | 0.00000 | 355139.1 | 224514.6 | 0.0 | U/P |
| 21.422 | 0.3831 | 0.0000 | 73.214 | 3.54393 | 0.00000 | 355169.7 | 224798.2 | 0.0 | U/P |
| 21.444 | 0.3828 | 0.0000 | 73.209 | 3.54056 | 0.00000 | 355200.4 | 225081.6 | 0.0 | U/P |
| 21.467 | 0.3826 | 0.0000 | 73.205 | 3.53718 | 0.00000 | 355231.0 | 225364.7 | 0.0 | U/P |
| 21.489 | 0.3824 | 0.0000 | 73.201 | 3.53381 | 0.00000 | 355261.6 | 225647.5 | 0.0 | U/P |
| 21.511 | 0.3841 | 0.0000 | 73.197 | 3.53043 | 0.00000 | 355292.2 | 225930.1 | 0.0 | U/P |
| 21.533 | 0.3936 | 0.0000 | 73.193 | 3.52707 | 0.00000 | 355323.3 | 226212.4 | 0.0 | U/P |
| 21.556 | 0.4178 | 0.0000 | 73.189 | 3.52371 | 0.00000 | 355355.8 | 226494.4 | 0.0 | U/P |
| 21.578 | 0.4605 | 0.0000 | 73.185 | 3.52038 | 0.00000 | 355390.9 | 226776.2 | 0.0 | U/P |
| 21.600 | 0.5151 | 0.0000 | 73.181 | 3.51709 | 0.00000 | 355430.0 | 227057.7 | 0.0 | U/P |
| 21.622 | 0.5711 | 0.0000 | 73.177 | 3.51387 | 0.00000 | 355473.4 | 227338.9 | 0.0 | U/P |
| 21.644 | 0.6216 | 0.0000 | 73.173 | 3.51070 | 0.00000 | 355521.1 | 227619.9 | 0.0 | U/P |
| 21.667 | 0.6622 | 0.0000 | 73.169 | 3.50758 | 0.00000 | 355572.5 | 227900.7 | 0.0 | U/P |
| 21.689 | 0.6912 | 0.0000 | 73.165 | 3.50451 | 0.00000 | 355626.6 | 228181.1 | 0.0 | U/P |
| 21.711 | 0.7115 | 0.0000 | 73.162 | 3.50147 | 0.00000 | 355682.7 | 228461.4 | 0.0 | U/P |
| 21.733 | 0.7262 | 0.0000 | 73.158 | 3.49845 | 0.00000 | 355740.2 | 228741.4 | 0.0 | U/P |
| 21.756 | 0.7370 | 0.0000 | 73.154 | 3.49546 | 0.00000 | 355798.8 | 229021.1 | 0.0 | U/P |
| 21.778 | 0.7447 | 0.0000 | 73.151 | 3.49247 | 0.00000 | 355858.0 | 229300.6 | 0.0 | U/P |
| 21.800 | 0.7502 | 0.0000 | 73.147 | 3.48949 | 0.00000 | 355917.8 | 229579.9 | 0.0 | U/P |
| 21.822 | 0.7542 | 0.0000 | 73.144 | 3.48652 | 0.00000 | 355978.0 | 229859.0 | 0.0 | U/P |
| 21.844 | 0.7571 | 0.0000 | 73.140 | 3.48356 | 0.00000 | 356038.4 | 230137.8 | 0.0 | U/P |
| 21.867 | 0.7592 | 0.0000 | 73.136 | 3.48060 | 0.00000 | 356099.1 | 230416.3 | 0.0 | U/P |
| 21.889 | 0.7607 | 0.0000 | 73.133 | 3.47764 | 0.00000 | 356159.9 | 230694.7 | 0.0 | U/P |
| 21.911 | 0.7618 | 0.0000 | 73.129 | 3.47468 | 0.00000 | 356220.8 | 230972.8 | 0.0 | U/P |
| 21.933 | 0.7626 | 0.0000 | 73.125 | 3.47173 | 0.00000 | 356281.8 | 231250.6 | 0.0 | U/P |
| 21.956 | 0.7632 | 0.0000 | 73.122 | 3.46878 | 0.00000 | 356342.8 | 231528.2 | 0.0 | U/P |
| 21.978 | 0.7636 | 0.0000 | 73.118 | 3.46583 | 0.00000 | 356403.9 | 231805.6 | 0.0 | U/P |
| 22.000 | 0.7639 | 0.0000 | 73.115 | 3.46288 | 0.00000 | 356465.0 | 232082.8 | 0.0 | U/P |
| 22.022 | 0.7605 | 0.0000 | 73.111 | 3.45993 | 0.00000 | 356525.9 | 232359.7 | 0.0 | U/P |
| 22.044 | 0.7471 | 0.0000 | 73.107 | 3.45698 | 0.00000 | 356586.3 | 232636.3 | 0.0 | U/P |
| 22.067 | 0.7165 | 0.0000 | 73.104 | 3.45401 | 0.00000 | 356644.8 | 232912.8 | 0.0 | U/P |
| 22.089 | 0.6688 | 0.0000 | 73.100 | 3.45100 | 0.00000 | 356700.2 | 233189.0 | 0.0 | U/P |
| 22.111 | 0.6130 | 0.0000 | 73.096 | 3.44795 | 0.00000 | 356751.5 | 233465.0 | 0.0 | U/P |
| 22.133 | 0.5583 | 0.0000 | 73.092 | 3.44484 | 0.00000 | 356798.3 | 233740.7 | 0.0 | U/P |
| 22.156 | 0.5105 | 0.0000 | 73.088 | 3.44167 | 0.00000 | 356841.1 | 234016.1 | 0.0 | U/P |
| 22.178 | 0.4739 | 0.0000 | 73.085 | 3.43845 | 0.00000 | 356880.5 | 234291.3 | 0.0 | U/P |
| 22.200 | 0.4481 | 0.0000 | 73.080 | 3.43520 | 0.00000 | 356917.3 | 234566.3 | 0.0 | U/P |
| 22.222 | 0.4298 | 0.0000 | 73.076 | 3.43191 | 0.00000 | 356952.5 | 234841.0 | 0.0 | U/P |
| 22.244 | 0.4164 | 0.0000 | 73.072 | 3.42860 | 0.00000 | 356986.3 | 235115.4 | 0.0 | U/P |
| 22.267 | 0.4068 | 0.0000 | 73.068 | 3.42528 | 0.00000 | 357019.3 | 235389.5 | 0.0 | U/P |
| 22.289 | 0.3998 | 0.0000 | 73.064 | 3.42195 | 0.00000 | 357051.5 | 235663.4 | 0.0 | U/P |
| 22.311 | 0.3948 | 0.0000 | 73.060 | 3.41860 | 0.00000 | 357083.3 | 235937.0 | 0.0 | U/P |
| 22.333 | 0.3912 | 0.0000 | 73.056 | 3.41526 | 0.00000 | 357114.7 | 236210.4 | 0.0 | U/P |
| 22.356 | 0.3886 | 0.0000 | 73.052 | 3.41191 | 0.00000 | 357145.9 | 236483.5 | 0.0 | U/P |
| 22.378 | 0.3867 | 0.0000 | 73.048 | 3.40856 | 0.00000 | 357176.9 | 236756.3 | 0.0 | U/P |
| 22.400 | 0.3853 | 0.0000 | 73.044 | 3.40520 | 0.00000 | 357207.8 | 237028.9 | 0.0 | U/P |
| 22.422 | 0.3843 | 0.0000 | 73.040 | 3.40185 | 0.00000 | 357238.6 | 237301.1 | 0.0 | U/P |
| 22.444 | 0.3836 | 0.0000 | 73.036 | 3.39849 | 0.00000 | 357269.3 | 237573.2 | 0.0 | U/P |
| 22.467 | 0.3831 | 0.0000 | 73.031 | 3.39514 | 0.00000 | 357300.0 | 237844.9 | 0.0 | U/P |
| 22.489 | 0.3827 | 0.0000 | 73.027 | 3.39178 | 0.00000 | 357330.6 | 238116.4 | 0.0 | U/P |
| 22.511 | 0.3824 | 0.0000 | 73.023 | 3.38843 | 0.00000 | 357361.2 | 238387.6 | 0.0 | U/P |
| 22.533 | 0.3854 | 0.0000 | 73.019 | 3.38507 | 0.00000 | 357391.9 | 238658.5 | 0.0 | U/P |
| 22.556 | 0.3953 | 0.0000 | 73.015 | 3.38172 | 0.00000 | 357423.2 | 238929.2 | 0.0 | U/P |
| 22.578 | 0.4166 | 0.0000 | 73.011 | 3.37838 | 0.00000 | 357455.6 | 239199.6 | 0.0 | U/P |
| 22.600 | 0.4469 | 0.0000 | 73.007 | 3.37507 | 0.00000 | 357490.2 | 239469.7 | 0.0 | U/P |
| 22.622 | 0.4797 | 0.0000 | 73.003 | 3.37179 | 0.00000 | 357527.2 | 239739.6 | 0.0 | U/P |
| 22.644 | 0.5104 | 0.0000 | 72.999 | 3.36854 | 0.00000 | 357566.8 | 240009.2 | 0.0 | U/P |
| 22.667 | 0.5363 | 0.0000 | 72.995 | 3.36533 | 0.00000 | 357608.7 | 240278.6 | 0.0 | U/P |
| 22.689 | 0.5550 | 0.0000 | 72.991 | 3.36215 | 0.00000 | 357652.3 | 240547.7 | 0.0 | U/P |
| 22.711 | 0.5681 | 0.0000 | 72.987 | 3.35899 | 0.00000 | 357697.3 | 240816.5 | 0.0 | U/P |
| 22.733 | 0.5775 | 0.0000 | 72.983 | 3.35584 | 0.00000 | 357743.1 | 241085.1 | 0.0 | U/P |
| 22.756 | 0.5844 | 0.0000 | 72.980 | 3.35271 | 0.00000 | 357789.6 | 241353.5 | 0.0 | U/P |
| 22.778 | 0.5893 | 0.0000 | 72.976 | 3.34959 | 0.00000 | 357836.5 | 241621.5 | 0.0 | U/P |
| 22.800 | 0.5929 | 0.0000 | 72.972 | 3.34647 | 0.00000 | 357883.8 | 241889.4 | 0.0 | U/P |
| 22.822 | 0.5955 | 0.0000 | 72.968 | 3.34336 | 0.00000 | 357931.3 | 242157.0 | 0.0 | U/P |
| 22.844 | 0.5973 | 0.0000 | 72.964 | 3.34025 | 0.00000 | 357979.1 | 242424.3 | 0.0 | U/P |
| 22.867 | 0.5986 | 0.0000 | 72.961 | 3.33714 | 0.00000 | 358026.9 | 242691.4 | 0.0 | U/P |
| 22.889 | 0.5996 | 0.0000 | 72.957 | 3.33404 | 0.00000 | 358074.8 | 242958.3 | 0.0 | U/P |
| 22.911 | 0.6003 | 0.0000 | 72.953 | 3.33093 | 0.00000 | 358122.8 | 243224.9 | 0.0 | U/P |
| 22.933 | 0.6008 | 0.0000 | 72.949 | 3.32783 | 0.00000 | 358170.9 | 243491.2 | 0.0 | U/P |
| 22.956 | 0,6012 | 0.0000 | 72.945 | 3.32473 | 0.00000 | 358218.9 | 243757.3 | 0.0 | U/P |
| 22.978 | 0.6015 | 0.0000 | 72.942 | 3.32163 | 0.00000 | 358267.0 | 244023.2 | 0.0 | U/P |
| 23.000 | 0.5995 | 0.0000 | 72.938 | 3.31854 | 0.00000 | 358315.1 | 244288.8 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Temp Inetrim Pond $100 \mathrm{Yr} / 24 \mathrm{Hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge ( $4 /$ day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3 / 5}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{f}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume $\left(\mathrm{ft}^{3}\right)$ | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 23.022 | 0.5888 | 0.0000 | 72.934 | 3.31543 | 0.00000 | 358362.6 | 244554.1 | 0.0 | U/P |
| 23.044 | 0.5620 | 0.0000 | 72.930 | 3.31232 | 0.00000 | 358408.7 | 244819.3 | 0.0 | U/P |
| 23.067 | 0.5154 | 0.0000 | 72.926 | 3.30917 | 0.00000 | 358451.8 | 245084.1 | 0.0 | U/P |
| 23.089 | 0.4566 | 0.0000 | 72.922 | 3.30597 | 0.00000 | 358490.6 | 245348.7 | 0.0 | U/P |
| 23.111 | 0.3965 | 0.0000 | 72.918 | 3.30271 | 0.00000 | 358524.8 | 245613.1 | 0.0 | U/P |
| 23.133 | 0.3426 | 0.0000 | 72.914 | 3.29939 | 0.00000 | 358554.3 | 245877.2 | 0.0 | U/P |
| 23.156 | 0.2995 | 0.0000 | 72.910 | 3.29600 | 0.00000 | 358580.0 | 246141.0 | 0.0 | U/P |
| 23.178 | 0.2687 | 0.0000 | 72.906 | 3.29256 | 0.00000 | 358602.7 | 246404.5 | 0.0 | U/P |
| 23.200 | 0.2472 | 0.0000 | 72.901 | 3.28909 | 0.00000 | 358623.3 | 246667.8 | 0.0 | U/P |
| 23.222 | 0.2316 | 0.0000 | 72.897 | 3.28559 | 0.00000 | 358642.5 | 246930.8 | 0.0 | U/P |
| 23.244 | 0.2201 | 0.0000 | 72.893 | 3.28208 | 0.00000 | 358660.6 | 247193.5 | 0.0 | U/P |
| 23.267 | 0.2120 | 0.0000 | 72.889 | 3.27855 | 0.00000 | 358677.8 | 247455.9 | 0.0 | U/P |
| 23.289 | 0.2060 | 0.0000 | 72.884 | 3.27501 | 0.00000 | 358694.6 | 247718.0 | 0.0 | U/P |
| 23.311 | 0.2018 | 0.0000 | 72.880 | 3.27147 | 0.00000 | 358710.9 | 247979.9 | 0.0 | U/P |
| 23.333 | 0.1987 | 0.0000 | 72.876 | 3.26792 | 0.00000 | 358726.9 | 248241.5 | 0.0 | U/P |
| 23.356 | 0.1965 | 0.0000 | 72.871 | 3.26436 | 0.00000 | 358742.7 | 248502.8 | 0.0 | U/P |
| 23.378 | 0.1949 | 0.0000 | 72.867 | 3.26081 | 0.00000 | 358758.4 | 248763.8 | 0.0 | U/P |
| 23.400 | 0.1938 | 0.0000 | 72.862 | 3.25725 | 0.00000 | 358773.9 | 249024.5 | 0.0 | U/P |
| 23.422 | 0.1929 | 0.0000 | 72.858 | 3.25369 | 0.00000 | 358789.4 | 249284.9 | 0.0 | U/P |
| 23.444 | 0.1923 | 0.0000 | 72.854 | 3.25014 | 0.00000 | 358804.8 | 249545.1 | 0.0 | U/P |
| 23.467 | 0.1918 | 0.0000 | 72.849 | 3.24658 | 0.00000 | 358820.2 | 249805.0 | 0.0 | U/P |
| 23.489 | 0.1915 | 0.0000 | 72.845 | 3.24302 | 0.00000 | 358835.5 | 250064.5 | 0.0 | U/P |
| 23.511 | 0.1913 | 0.0000 | 72.841 | 3.23946 | 0.00000 | 358850.8 | 250323.8 | 0.0 | U/P |
| 23.533 | 0.1912 | 0.0000 | 72.836 | 3.23590 | 0.00000 | 358866.1 | 250582.9 | 0.0 | U/P |
| 23.556 | 0.1912 | 0.0000 | 72.832 | 3.23234 | 0.00000 | 358881.4 | 250841.6 | 0.0 | U/P |
| 23.578 | 0.1912 | 0.0000 | 72.828 | 3.22878 | 0.00000 | 358896.7 | 251100.0 | 0.0 | U/P |
| 23.600 | 0.1911 | 0.0000 | 72.823 | 3.22522 | 0.00000 | 358912.0 | 251358.2 | 0.0 | U/P |
| 23.622 | 0.1911 | 0.0000 | 72.819 | 3.22166 | 0.00000 | 358927.3 | 251616.1 | 0.0 | U/P |
| 23.644 | 0.1911 | 0.0000 | 72.815 | 3.21810 | 0.00000 | 358942.6 | 251873.7 | 0.0 | U/P |
| 23.667 | 0.1911 | 0.0000 | 72.810 | 3.21454 | 0.00000 | 358957.8 | 252131.0 | 0.0 | U/P |
| 23.689 | 0.1910 | 0.0000 | 72.806 | 3.21098 | 0.00000 | 358973.1 | 252388.0 | 0.0 | U/P |
| 23.711 | 0.1910 | 0.0000 | 72.801 | 3.20743 | 0.00000 | 358988.4 | 252644.7 | 0.0 | U/P |
| 23.733 | 0.1910 | 0.0000 | 72.797 | 3.20387 | 0.00000 | 359003.7 | 252901.2 | 0.0 | U/P |
| 23.756 | 0.1910 | 0.0000 | 72.793 | 3.20031 | 0.00000 | 359019.0 | 253157.3 | 0.0 | U/P |
| 23.778 | 0.1910 | 0.0000 | 72.788 | 3.19675 | 0.00000 | 359034.3 | 253413.2 | 0.0 | U/P |
| 23.800 | 0.1910 | 0.0000 | 72.784 | 3.19320 | 0.00000 | 359049.5 | 253668.8 | 0.0 | U/P |
| 23.822 | 0.1910 | 0.0000 | 72.780 | 3.18964 | 0.00000 | 359064.8 | 253924.1 | 0.0 | U/P |
| 23.844 | 0.1910 | 0.0000 | 72.775 | 3.18608 | 0.00000 | 359080.1 | 254179.2 | 0.0 | U/P |
| 23.867 | 0.1910 | 0.0000 | 72.771 | 3.18253 | 0.00000 | 359095.4 | 254433.9 | 0.0 | U/P |
| 23.889 | 0.1910 | 0.0000 | 72.767 | 3.17897 | 0.00000 | 359110.7 | 254688.4 | 0.0 | U/P |
| 23.911 | 0.1910 | 0.0000 | 72.762 | 3.17541 | 0.00000 | 359125.9 | 254942.5 | 0.0 | U/P |
| 23.933 | 0.1910 | 0.0000 | 72.758 | 3.17186 | 0.00000 | 359141.2 | 255196.4 | 0.0 | U/P |
| 23.956 | 0.1910 | 0.0000 | 72.754 | 3.16830 | 0.00000 | 359156.5 | 255450.0 | 0.0 | U/P |
| 23.978 | 0.1910 | 0.0000 | 72.749 | 3.16475 | 0.00000 | 359171.8 | 255703.4 | 0.0 | U/P |
| 24.000 | 0.1910 | 0.0000 | 72.745 | 3.16119 | 0.00000 | 359187.1 | 255956.4 | 0.0 | U/P |
| 24.022 | 0.1881 | 0.0000 | 72.740 | 3.15764 | 0.00000 | 359202.2 | 256209.1 | 0.0 | U/P |
| 24.044 | 0.1793 | 0.0000 | 72.736 | 3.15408 | 0.00000 | 359216.9 | 256461.6 | 0.0 | U/P |
| 24.067 | 0.1604 | 0.0000 | 72.732 | 3.15051 | 0.00000 | 359230.5 | 256713.8 | 0.0 | U/P |
| 24.089 | 0.1337 | 0.0000 | 72.727 | 3.14691 | 0.00000 | 359242.3 | 256965.7 | 0.0 | U/P |
| 24.111 | 0.1051 | 0.0000 | 72.723 | 3.14329 | 0.00000 | 359251.8 | 257217.3 | 0.0 | U/P |
| 24.133 | 0.0785 | 0.0000 | 72.718 | 3.13963 | 0.00000 | 359259.2 | 257468.6 | 0.0 | U/P |
| 24.156 | 0.0561 | 0.0000 | 72.714 | 3.13595 | 0.00000 | 359264.6 | 257719.6 | 0.0 | U/P |
| 24.178 | 0.0401 | 0.0000 | 72.709 | 3.13223 | 0.00000 | 359268.4 | 257970.4 | 0.0 | U/P |
| 24.200 | 0.0289 | 0.0000 | 72.705 | 3.12850 | 0.00000 | 359271.2 | 258220.8 | 0.0 | U/P |
| 24.222 | 0.0209 | 0.0000 | 72.700 | 3.12475 | 0.00000 | 359273.2 | 258470.9 | 0.0 | U/P |
| 24.244 | 0.0150 | 0.0000 | 72.695 | 3.12099 | 0.00000 | 359274.6 | 258720.8 | 0.0 | U/P |
| 24.267 | 0.0108 | 0.0000 | 72.691 | 3.11723 | 0.00000 | 359275.6 | 258970.3 | 0.0 | U/P |
| 24.289 | 0.0077 | 0.0000 | 72.686 | 3.11346 | 0.00000 | 359276.3 | 259219.5 | 0.0 | U/P |
| 24.311 | 0.0055 | 0.0000 | 72.682 | 3.10968 | 0.00000 | 359276.9 | 259468.4 | 0.0 | U/P |
| 24.333 | 0.0039 | 0.0000 | 72.677 | 3.10591 | 0.00000 | 359277.3 | 259717.1 | 0.0 | U/P |
| 24.356 | 0.0028 | 0.0000 | 72.672 | 3.10213 | 0.00000 | 359277.5 | 259965.4 | 0.0 | U/P |
| 24.378 | 0.0019 | 0.0000 | 72.668 | 3.09835 | 0.00000 | 359277.7 | 260213.4 | 0.0 | U/P |
| 24.400 | 0.0013 | 0.0000 | 72.663 | 3.09457 | 0.00000 | 359277.8 | 260461.1 | 0.0 | U/P |
| 24.422 | 0.0009 | 0.0000 | 72.658 | 3.09079 | 0.00000 | 359277.9 | 260708.5 | 0.0 | U/P |
| 24.444 | 0.0006 | 0.0000 | 72.654 | 3.08700 | 0.00000 | 359278.0 | 260955.7 | 0.0 | U/P |
| 24.467 | 0.0003 | 0.0000 | 72.649 | 3.08322 | 0.00000 | 359278.0 | 261202.5 | 0.0 | U/P |
| 24.489 | 0.0002 | 0.0000 | 72.645 | 3.07944 | 0.00000 | 359278.1 | 261449.0 | 0.0 | U/P |
| 24.511 | 0.0001 | 0.0000 | 72.640 | 3.07566 | 0.00000 | 359278.1 | 261695.2 | 0.0 | U/P |
| 24.533 | 0.0000 | 0.0000 | 72.635 | 3.07187 | 0.00000 | 359278.1 | 261941.1 | 0.0 | U/P |
| 24.556 | 0.0000 | 0.0000 | 72.631 | 3.06809 | 0.00000 | 359278.1 | 262186.7 | 0.0 | U/P |
| 24.578 | 0.0000 | 0.0000 | 72.626 | 3.06440 | 0.00000 | 359278.1 | 262432.0 | 0.0 | U/P |
| 48.578 | 0.0000 | 0.0000 | 65.587 | 0.96077 | 0.00000 | 359278.1 | 359278.1 | 0.0 | U/S |
| 192.578 | 0.0000 | 0.0000 | 63.248 | 0.00000 | 0.00000 | 359278.1 | 359278.1 | 0.0 | S |
| 288.578 | 0.0000 | 0.0000 | 62.625 | 0.00000 | 0.00000 | 359278.1 | 359278.1 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario $1::$ Temp Inetrim Pond $100 \mathrm{Yr} / 24 \mathrm{Hr}$

| Elapsed Time (hours) | Inflow <br> Rate <br> ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f} / 3 / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{K}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{tt}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 360.578 | 0.0000 | 0.0000 | 62.334 | ---- | ...- | 359278.1 | 359278.1 | 0.0 | N.A. |

# PONDS Routing and Recovery Analysis 

## Interim Plan Results

Pond 10<br>100-year / 24-Hour Storm

Input Report
Summary of Results Detailed Results
(Pond dry at Hour 211)
(Cut off early due to unnecessary length)

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

## Proiect Data

Project Name: Vista Landfill Redesign Iterim Design
Símulation Description: ..... Pond 10
100 Year / 24 Hour Routing and Recovery Analysis w/ infiltration Interim Pond 10
Project Number: ..... 10-2141
Engineer : ..... cms
Supervising Engineer: ..... cms
Date: ..... 01-06-2011
Aquifer Data
Base Of Aquifer Elevation, $[\mathrm{B}]$ (ft datum): ..... 74.00
Water Table Elevation, [WT] (ft datum): ..... 79.00
Horizontal Saturated Hydraulic Conductivity, [Kh] (ft/day): ..... 15.00
Fillable Porosity, [n] (\%): ..... 20.00
Unsaturated Vertical Infiltration Rate, [lv] (fl/day): ..... 5.0
Maximum Area For Unsaturated Infiltration, [Av] ( $\mathrm{ft}^{2}$ ): ..... 35558.0

## Geometry Data

Equivalent Pond Length, [L] (ft): ..... 550.0
Equivalent Pond Width, [W] (ft): ..... 100.0
Ground water mound is expected to intersect the pond bottom

## Stage vs Area Data

| Stage <br> (ft datum) | Area <br> $\left(\mathrm{ft}^{2}\right)$ |
| ---: | ---: |
| 84.00 | 9361.0 |
| 85.00 | 13412.0 |
| 86.00 | 16409.0 |
| 87.00 | 19461.0 |
| 88.00 | 22569.0 |
| 89.00 | 25733.0 |
| 90.00 | 28952.0 |
| 91.00 | 32227.0 |
| 92.00 | 35558.0 |

# Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E. 

## Discharge Structures

## Discharge Structure \#1 is active as weir

Structure Parameters

## Description: overflow from pond 10

Weir elevation, (ft datum): $\quad 90.5$
Weir coefficient: $\quad 3.15$
Weir length, (ft): $\quad 17$
Weir exponent: $\quad 1.5$
Tailwater - disabled, free discharge

Discharge Structure \#2 is inactive
Discharge Structure \#3 is inactive

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.

## Scenario Input Data

Scenario $1::$ pond10 100 yr / 24 Hr routing $w /$ overflow
Hydrograph Type: Multi-basin SCS Hydrograph

## Modflow Options

| Modflow Routing: | Routed with infilitration |
| :--- | :--- |
| Initial Groundwater Table: | default <br> Initial Pond Stage: |
| Boundary Condition: | default |
| Repetitions: | default (constant head) |
|  | 1 |

## Simulation Parameters

Minimum time of concentration for all contributing basins in chain (minutes): 10
Computational time step (minutes): .5
Duration of simulation (hours):

## Contributing Basins

Number of contributing basins: 1
Basin 1

| Basin Name | da 10 |
| :--- | :--- |
| Basin Area (acres) | 8.4 |
| Time Of Concentration (minutes) | 10 |
| DCIA (\%) | 0 |
| Curve Number | 98 |
| Design Rainfall Depth (inches) | 10.6 |
| Design Rainfall Duration (hours) | 24 |
| Shape Factor | UHG 484 |
| Rainfall Distribution | Orange County 100 Year - 24 Hour |

## Ugradient Inflows

Number of upgradient inflow nodes: 0

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Summary of Results :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

|  | Time (hours) | Stage (ft datum) | Rate $\left(\mathrm{ft}^{3} / \mathrm{s}\right)$ | Volume $\left(f^{3}\right)$ |
| :---: | :---: | :---: | :---: | :---: |
| Stage |  |  |  |  |
| Minimum | 0.000 | 79.00 |  |  |
| Maximum | 9.117 | 90.91 |  |  |
| Inflow |  |  |  |  |
| Rate - Maximum - Positive | 9.000 |  | 18.5040 |  |
| Rate - Maximum - Negative | None |  | None |  |
| Cumulative Volume - Maximum Positive | 24.475 |  |  | 316523.1 |
| Cumulative Volume - Maximum Negative | None |  |  | None |
| Cumulative Volume - End of Simulation | 240.000 |  |  | 316523.1 |
| Infiltration |  |  |  |  |
| Rate - Maximum - Positive | 13.917 |  | 15.2709 |  |
| Rate - Maximum - Negative | None |  | None |  |
| Cumulative Volume - Maximum Positive | 210.875 |  |  | 215891.0 |
| Cumulative Volume - Maximum Negative | None |  |  | None |
| Cumulative Volume - End of Simulation | 240.000 |  |  | 215891.0 |
| Combined Discharge |  |  |  |  |
| Rate - Maximum - Positive | 9.117 |  | 14.0882 |  |
| Rate - Maximum - Negative | None |  | None |  |
| Cumulative Volume - Maximum Positive | 13.942 |  |  | 100632.1 |
| Cumulative Volume - Maximum Negative | None |  |  | None |
| Cumulative Volume - End of Simulation | 240.000 |  |  | 100632.1 |
| Discharge Structure 1 - simple weir 14.0882 |  |  |  |  |
| Rate - Maximum - Positive | 9.117 |  | 14.0882 |  |
| Rate - Maximum - Negative | None |  | None |  |
| Cumulative Volume - Maximum Positive | 13.942 |  |  | 100632.1 |
| Cumulative Volume - Maximum Negative | None |  |  | None |
| Cumulative Volume - End of Simulation | 240.000 |  |  | 100632.1 |
| Discharge Structure 2 - inactive disabled |  |  |  |  |
| Rate - Maximum - Positive | disabled |  | disabled |  |
| Rate - Maximum - Negative | disabled |  | disabled |  |
| Cumulative Volume - Maximum Positive | disabled |  |  |  |
| Cumulative Volume - Maximum Negative | disabled |  |  | disabled |
| Cumulative Volume - End of Simulation | disabled |  |  | disabled |
| Discharge Structure 3 - inactive |  |  |  |  |
| Rate - Maximum - Positive | disabled |  | disabled |  |
| Rate - Maximum - Negative | disabled |  | disabled |  |
| Cumulative Volume - Maximum Positive | disabled |  |  | disabled |
| Cumulative Volume - Maximum Negative | disabled |  |  | disabled |
| Cumulative Volume - End of Simulation | disabled |  |  | disabled |
| Pollution Abatement: |  |  |  |  |
| 36 Hour Stage and Infiltration Volume | N.A. | N.A. |  | N.A. |
| 72 Hour Stage and Infiltration Volume | N.A. | N.A. |  | N.A. |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003

Devo Seereeram, Ph.D., P.E.
Summary of Results :: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/overflow

|  | Time (hours) | Stage (ft datum) | Rate $\left(\mathrm{ft}^{3} / \mathrm{s}\right)$ | Volume (ft ${ }^{3}$ ) |
| :---: | :---: | :---: | :---: | :---: |
| Stage |  |  |  |  |
| Minimum | 0.000 | 79.00 |  |  |
| Maximum | 9.117 | 90.91 |  |  |
| Inflow |  |  |  |  |
| Rate - Maximum - Positive | 9.000 |  | 18.5040 |  |
| Rate - Maximum - Negative | None |  | None |  |
| Cumulative Volume - Maximum Positive | 24.475 |  |  | 316523.1 |
| Cumulative Volume - Maximum Negative | None |  |  | None |
| Cumulative Volume - End of Simulation | 240.000 |  |  | 316523.1 |
| infiltration |  |  |  |  |
| Rate - Maximum - Positive | 13.917 |  | 15.2709 |  |
| Rate - Maximum - Negative | None |  | None |  |
| Cumulative Volume - Maximum Positive | 210.875 |  |  | 215891.0 |
| Cumulative Volume - Maximum Negative | None |  |  | None |
| Cumulative Volume - End of Simulation | 240.000 |  |  | 215891.0 |
| Combined Discharge 14.0882 |  |  |  |  |
| Rate - Maximum - Positive | 9.117 |  | 14.0882 |  |
| Rate - Maximum - Negative | None |  | None |  |
| Cumulative Volume - Maximum Positive | 13.942 |  |  | 100632.1 |
| Cumulative Volume - Maximum Negative | None |  |  | None |
| Cumulative Volume - End of Simulation | 240.000 |  |  | 100632.1 |
| Discharge Structure 1 - simple weir |  |  |  |  |
| Rate - Maximum - Positive | 9.117 |  | 14.0882 |  |
| Rate - Maximum - Negative | None |  | None |  |
| Cumulative Volume - Maximum Positive | 13.942 |  |  | 100632.1 |
| Cumulative Volume - Maximum Negative | None |  |  | None |
| Cumulative Volume - End of Simulation | 240.000 |  |  | 100632.1 |
| Discharge Structure 2 - inactive disabled |  |  |  |  |
| Rate - Maximum - Positive | disabled |  | disabled |  |
| Rate - Maximum - Negative | disabled |  | disabled |  |
| Cumulative Volume - Maximum Positive | disabled |  |  | disabled |
| Cumulative Volume - Maximum Negative | disabled |  |  | disabled |
| Cumulative Volume - End of Simulation | disabled |  |  | disabled |
| Discharge Structure 3 - inactive |  |  |  |  |
| Rate - Maximum - Positive | disabled |  | disabled |  |
| Rate - Maximum - Negative | disabled |  | disabled |  |
| Cumulative Volume - Maximum Positive | disabled |  |  | disabled |
| Cumulative Volume - Maximum Negative | disabled |  |  | disabled |
| Cumulative Volume - End of Simulation | disabled |  |  | disabled |
| Pollution Abatement: |  |  |  |  |
| 36 Hour Stage and Infiltration Volume | N.A. | N.A. |  | N.A. |
| 72 Hour Stage and Infiltration Volume | N.A. | N.A. |  | N.A. |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003

Devo Seereeram, Ph.D., P.E.
Detailed Results
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f} 3 / \mathrm{s}$ ) | Outside Recharge (IV/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative !nflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Fiow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 0.000 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | N.A. |
| 0.008 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.017 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.025 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.033 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.042 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.050 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.058 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.067 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.075 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.083 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.092 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.100 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.108 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.117 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.125 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.133 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.142 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.150 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.158 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.167 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.175 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.183 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.192 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.200 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.208 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.217 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.225 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.233 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.242 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.250 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.258 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.267 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.275 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.283 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.292 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.300 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.308 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.317 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.325 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.333 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.342 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.350 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.358 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.367 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.375 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.383 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.392 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.400 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.408 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.417 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.425 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.433 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.442 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.450 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.458 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.467 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.475 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.483 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.492 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.500 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.508 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.517 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.525 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.533 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.542 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.550 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.558 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.567 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.575 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.583 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.592 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.600 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.608 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{3 / \mathrm{s}}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overfow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 0.617 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0,00000 | 0.0 | 0.0 | 0.0 | U |
| 0.625 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.633 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.642 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.650 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.658 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.667 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.675 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.683 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.692 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.700 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.708 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.717 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.725 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.733 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.742 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.750 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.758 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.767 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.775 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.783 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.792 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.800 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.808 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.817 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.825 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.833 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.842 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.850 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.858 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.867 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.875 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.883 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.892 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.900 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.908 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.917 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.925 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.933 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.942 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.950 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.958 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.967 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.975 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.983 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.992 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.000 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.008 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.017 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.025 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.033 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.042 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.050 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.058 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.067 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.075 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.083 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.092 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.100 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.108 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.117 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.125 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.133 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.142 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.150 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.158 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.167 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.175 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.183 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.192 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.200 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.208 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.217 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.225 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario $1::$ pond10 100 yr $/ 24$ Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate (fishs) | Outside Recharge (f/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative inflow <br> Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infilitration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1.233 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.242 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.250 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.258 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.267 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.275 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.283 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.292 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.300 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.308 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.317 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.325 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.333 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.342 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.350 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.358 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.367 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.375 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.383 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.392 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.400 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.408 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.417 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.425 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.433 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.442 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.450 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.458 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.467 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.475 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.483 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.492 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.500 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.508 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.517 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.525 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.533 | 0.0000 | 0.0000 | 79.000 | 0.00001 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.542 | 0.0000 | 0.0000 | 79.000 | 0.00004 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.550 | 0.0001 | 0.0000 | 79.000 | 0.00010 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.558 | 0.0002 | 0.0000 | 79.000 | 0.00020 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.567 | 0.0004 | 0.0000 | 79.000 | 0.00039 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.575 | 0.0006 | 0.0000 | 79.000 | 0.00067 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.583 | 0.0010 | 0.0000 | 79.000 | 0.00109 | 0.00000 | 0.1 | 0.1 | 0.0 | U |
| 1.592 | 0.0016 | 0.0000 | 79.000 | 0.00167 | 0.00000 | 0.1 | 0.1 | 0.0 | U |
| 1.600 | 0.0024 | 0.0000 | 79.000 | 0.00245 | 0.00000 | 0.2 | 0.2 | 0.0 | U |
| 1.608 | 0.0034 | 0.0000 | 79.000 | 0.00346 | 0.00000 | 0.2 | 0.2 | 0.0 | U |
| 1.617 | 0.0046 | 0.0000 | 79.000 | 0.00470 | 0.00000 | 0.4 | 0.4 | 0.0 | U |
| \$.625 | 0.0061 | 0.0000 | 79.000 | 0.00620 | 0.00000 | 0.5 | 0.5 | 0.0 | U |
| 1.633 | 0.0079 | 0.0000 | 79.000 | 0.00794 | 0.00000 | 0.7 | 0.7 | 0.0 | U |
| 1.642 | 0.0099 | 0.0000 | 79.000 | 0.00994 | 0.00000 | 1.0 | 1.0 | 0.0 | U |
| 1.650 | 0.0121 | 0.0000 | 79.000 | 0.01217 | 0.00000 | 1.3 | 1.3 | 0.0 | U |
| 1.658 | 0.0146 | 0.0000 | 79.000 | 0.01463 | 0.00000 | 1.7 | 1.7 | 0.0 | U |
| 1.667 | 0.0173 | 0.0000 | 79.000 | 0.01731 | 0.00000 | 2.2 | 2.2 | 0.0 | U |
| 1.675 | 0.0201 | 0.0000 | 79.000 | 0.02018 | 0.00000 | 2.8 | 2.8 | 0.0 | U |
| 1.683 | 0.0232 | 0.0000 | 79.000 | 0.02322 | 0.00000 | 3.4 | 3.4 | 0.0 | U |
| 1.692 | 0.0264 | 0.0000 | 79.001 | 0.02642 | 0.00000 | 4.2 | 4.2 | 0.0 | U |
| 1.700 | 0.0297 | 0.0000 | 79.001 | 0.02975 | 0.00000 | 5.0 | 5.0 | 0.0 | U |
| 1.708 | 0.0332 | 0.0000 | 79.001 | 0.03319 | 0.00000 | 5.9 | 5.9 | 0.0 | U |
| 1.717 | 0.0367 | 0.0000 | 79.001 | 0.03671 | 0.00000 | 7.0 | 7.0 | 0.0 | U |
| 1.725 | 0.0403 | 0.0000 | 79.001 | 0.04031 | 0.00000 | 8.2 | 8.2 | 0.0 | U |
| 1.733 | 0.0440 | 0.0000 | 79.001 | 0.04397 | 0.00000 | 9.4 | 9.4 | 0.0 | U |
| 1.742 | 0.0477 | 0.0000 | 79.002 | 0.04767 | 0.00000 | 10.8 | 10.8 | 0.0 | U |
| 1.750 | 0.0514 | 0.0000 | 79.002 | 0.05141 | 0.00000 | 12.3 | 12.3 | 0.0 | U |
| 1.758 | 0.0552 | 0.0000 | 79.002 | 0.05519 | 0.00000 | 13.9 | 13.9 | 0.0 | U |
| 1.767 | 0.0590 | 0.0000 | 79.002 | 0.05898 | 0.00000 | 15.6 | 15.6 | 0.0 | U |
| 1.775 | 0.0628 | 0.0000 | 79.002 | 0.06279 | 0.00000 | 17.4 | 17.4 | 0.0 | U |
| 1.783 | 0.0666 | 0.0000 | 79.003 | 0.06661 | 0.00000 | 19.4 | 19.4 | 0.0 | U |
| 1.792 | 0.0704 | 0.0000 | 79.003 | 0.07044 | 0.00000 | 21.4 | 21.4 | 0.0 | U |
| 1.800 | 0.0743 | 0.0000 | 79.003 | 0.07426 | 0.00000 | 23.6 | 23.6 | 0.0 | U |
| 1.808 | 0.0781 | 0.0000 | 79.004 | 0.07808 | 0.00000 | 25.9 | 25.9 | 0.0 | U |
| 1.817 | 0.0819 | 0.0000 | 79.004 | 0.08189 | 0.00000 | 28.3 | 28.3 | 0.0 | U |
| 1.825 | 0.0857 | 0.0000 | 79.004 | 0.08569 | 0.00000 | 30.8 | 30.8 | 0.0 | U |
| 1.833 | 0.0895 | 0.0000 | 79.005 | 0.08947 | 0.00000 | 33.4 | 33.4 | 0.0 | U |
| 1.842 | 0.0932 | 0.0000 | 79.005 | 0.09324 | 0.00000 | 36.1 | 36.1 | 0.0 | U |

PONDS Version 3.2.0207

Retention Pond Recovery - Refined Method Copyright 2003<br>Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr $/ 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1.850 | 0.0970 | 0.0000 | 79.005 | 0.09699 | 0.00000 | 39.0 | 39.0 | 0.0 | U |
| 1.858 | 0.1007 | 0.0000 | 79.006 | 0.10072 | 0.00000 | 42.0 | 42.0 | 0.0 | U |
| 1.867 | 0.1044 | 0.0000 | 79.006 | 0.10443 | 0.00000 | 45.0 | 45.0 | 0.0 | U |
| 1.875 | 0.1081 | 0.0000 | 79.007 | 0.10812 | 0.00000 | 48.2 | 48.2 | 0.0 | U |
| 1.883 | 0.1118 | 0.0000 | 79.007 | 0.11178 | 0.00000 | 51.5 | 51.5 | 0.0 | U |
| 1.892 | 0.1154 | 0.0000 | 79.008 | 0.11542 | 0.00000 | 54.9 | 54.9 | 0.0 | U |
| 1.900 | 0.1190 | 0.0000 | 79.008 | 0.11903 | 0.00000 | 58.5 | 58.5 | 0.0 | U |
| 1.908 | 0.1226 | 0.0000 | 79.009 | 0.12261 | 0.00000 | 62.1 | 62.1 | 0.0 | U |
| 1.917 | 0.1262 | 0.0000 | 79.009 | 0.12617 | 0.00000 | 65.8 | 65.8 | 0.0 | U |
| 1.925 | 0.1297 | 0.0000 | 79.010 | 0.12970 | 0.00000 | 69.6 | 69.6 | 0.0 | U |
| 1.933 | 0.1332 | 0.0000 | 79.010 | 0.13321 | 0.00000 | 73.6 | 73.6 | 0.0 | U |
| 1.942 | 0.1367 | 0.0000 | 79.011 | 0.13669 | 0.00000 | 77.6 | 77.6 | 0.0 | U |
| 1.950 | 0.1401 | 0.0000 | 79.012 | 0.14014 | 0.00000 | 81.8 | 81.8 | 0.0 | U |
| 1.958 | 0.1436 | 0.0000 | 79.012 | 0.14356 | 0.00000 | 86.1 | 86.1 | 0.0 | U |
| 1.967 | 0.1470 | 0.0000 | $79.0 \pm 3$ | 0.14695 | 0.00000 | 90.4 | 90.4 | 0.0 | U |
| 1.975 | 0.1503 | 0.0000 | 79.013 | 0.15032 | 0.00000 | 94.9 | 94.9 | 0.0 | U |
| 1.983 | 0.1537 | 0.0000 | 79.014 | 0.15365 | 0.00000 | 99.4 | 99.4 | 0.0 | U |
| 1.992 | 0.1570 | 0.0000 | 79.015 | 0.15699 | 0.00000 | 104.1 | 104.1 | 0.0 | U |
| 2.000 | 0.1604 | 0.0000 | 79.015 | 0.16041 | 0.00000 | 108.8 | 108.8 | 0.0 | U |
| 2.008 | 0.1639 | 0.0000 | 79.016 | 0.16402 | 0.00000 | 113.7 | 113.7 | 0.0 | U |
| 2.017 | 0.1678 | 0.0000 | 79.017 | 0.16789 | 0.00000 | 118.7 | 118.7 | 0.0 | U |
| 2.025 | 0.1720 | 0.0000 | 79.017 | 0.17211 | 0.00000 | 123.8 | 123.8 | 0.0 | U |
| 2.033 | 0.1767 | 0.0000 | 79.018 | 0.17680 | 0.00000 | 129.0 | 129.0 | 0.0 | U |
| 2.042 | 0.1819 | 0.0000 | 79.019 | 0.18205 | 0.00000 | 134.4 | 134.4 | 0.0 | U |
| 2.050 | 0.1878 | 0.0000 | 79.020 | 0.18799 | 0.00000 | 139.9 | 139.9 | 0.0 | U |
| 2.058 | 0.1945 | 0.0000 | 79.020 | 0.19467 | 0.00000 | 145.7 | 145.7 | 0.0 | U |
| 2.067 | 0.2019 | 0.0000 | 79.021 | 0.20203 | 0.00000 | 151.6 | 151.6 | 0.0 | U |
| 2.075 | 0.2099 | 0.0000 | 79.022 | 0.20998 | 0.00000 | 157.8 | 157.8 | 0.0 | U |
| 2.083 | 0.2183 | 0.0000 | 79.023 | 0.21840 | 0.00000 | 164.2 | 164.2 | 0.0 | U |
| 2.092 | 0.2271 | 0.0000 | 79.024 | 0.22716 | 0.00000 | 170.9 | 170.9 | 0.0 | U |
| 2.100 | 0.2361 | 0.0000 | 79.025 | 0.23613 | 0.00000 | 177.8 | 177.8 | 0.0 | U |
| 2.108 | 0.2452 | 0.0000 | 79.026 | 0.24519 | 0.00000 | 185.1 | 185.1 | 0.0 | U |
| 2.117 | 0.2543 | 0.0000 | 79.027 | 0.25427 | 0.00000 | 192.6 | 192.6 | 0.0 | U |
| 2.125 | 0.2633 | 0.0000 | 79.028 | 0.26326 | 0.00000 | 200.3 | 200.3 | 0.0 | U |
| 2.133 | 0.2721 | 0.0000 | 79.029 | 0.27209 | 0.00000 | 208.4 | 208.4 | 0.0 | U |
| 2.142 | 0.2808 | 0.0000 | 79.030 | 0.28073 | 0.00000 | 216.6 | 216.6 | 0.0 | U |
| 2.150 | 0.2892 | 0.0000 | 79.032 | 0.28911 | 0.00000 | 225.2 | 225.2 | 0.0 | U |
| 2.158 | 0.2973 | 0.0000 | 79.033 | 0.29718 | 0.00000 | 234.0 | 234.0 | 0.0 | U |
| 2.167 | 0.3050 | 0.0000 | 79.034 | 0.30488 | 0.00000 | 243.0 | 243.0 | 0.0 | U |
| 2.175 | 0.3123 | 0.0000 | 79.035 | 0.31222 | 0.00000 | 252.3 | 252.3 | 0.0 | U |
| 2.183 | 0.3193 | 0.0000 | 79.037 | 0.31924 | 0.00000 | 261.8 | 261.8 | 0.0 | U |
| 2.192 | 0.3261 | 0.0000 | 79.038 | 0.32601 | 0.00000 | 271.4 | 271.4 | 0.0 | U |
| 2.200 | 0.3326 | 0.0000 | 79.040 | 0.33255 | 0.00000 | 281.3 | 281.3 | 0.0 | U |
| 2.208 | 0.3389 | 0.0000 | 79.041 | 0.33888 | 0.00000 | 291.4 | 291.4 | 0.0 | U |
| 2.217 | 0.3451 | 0.0000 | 79.042 | 0.34504 | 0.00000 | 301.7 | 301.7 | 0.0 | U |
| 2.225 | 0.3511 | 0.0000 | 79.044 | 0.35104 | 0.00000 | 312.1 | 312.1 | 0.0 | U |
| 2.233 | 0.3569 | 0.0000 | 79.045 | 0.35689 | 0.00000 | 322.7 | 322.7 | 0.0 | U |
| 2.242 | 0.3626 | 0.0000 | 79.047 | 0.36259 | 0.00000 | 333.5 | 333.5 | 0.0 | U |
| 2.250 | 0.3682 | 0.0000 | 79.048 | 0.36816 | 0.00000 | 344.5 | 344.5 | 0.0 | U |
| 2.258 | 0.3736 | 0.0000 | 79.050 | 0.37359 | 0.00000 | 355.6 | 355.6 | 0.0 | U |
| 2.267 | 0.3789 | 0.0000 | 79.052 | 0.37891 | 0.00000 | 366.9 | 366.9 | 0.0 | U |
| 2.275 | 0.3841 | 0.0000 | 79.053 | 0.38412 | 0.00000 | 378.3 | 378.3 | 0.0 | U |
| 2.283 | 0.3893 | 0.0000 | 79.055 | 0.38923 | 0.00000 | 389.9 | 389.9 | 0.0 | U |
| 2.292 | 0.3943 | 0.0000 | 79.056 | 0.39425 | 0.00000 | 401.7 | 401.7 | 0.0 | U |
| 2.300 | 0.3992 | 0.0000 | 79.058 | 0.39917 | 0.00000 | 413.6 | 413.6 | 0.0 | U |
| 2.308 | 0.4040 | 0.0000 | 79.060 | 0.40401 | 0.00000 | 425.6 | 425.6 | 0.0 | U |
| 2.317 | 0.4088 | 0.0000 | 79.062 | 0.40877 | 0.00000 | 437.8 | 437.8 | 0.0 | U |
| 2.325 | 0.4135 | 0.0000 | 79.063 | 0.41344 | 0.00000 | 450.2 | 450.2 | 0.0 | U |
| 2.333 | 0.4181 | 0.0000 | 79.065 | 0.41805 | 0.00000 | 462.6 | 462.6 | 0.0 | U |
| 2.342 | 0.4226 | 0.0000 | 79.067 | 0.42259 | 0.00000 | 475.2 | 475.2 | 0.0 | U |
| 2.350 | 0.4271 | 0.0000 | 79.069 | 0.42706 | 0.00000 | 488.0 | 488.0 | 0.0 | U |
| 2.358 | 0.4315 | 0.0000 | 79.070 | 0.43147 | 0.00000 | 500.9 | 500.9 | 0.0 | U |
| 2.367 | 0.4358 | 0.0000 | 79.072 | 0.43582 | 0.00000 | 513.9 | 513.9 | 0.0 | U |
| 2.375 | 0.4401 | 0.0000 | 79.074 | 0.44011 | 0.00000 | 527.0 | 527.0 | 0.0 | U |
| 2.383 | 0.4444 | 0.0000 | 79.076 | 0.44434 | 0.00000 | 540.3 | 540.3 | 0.0 | U |
| 2.392 | 0.4485 | 0.0000 | 79.078 | 0.44852 | 0.00000 | 553.7 | 553.7 | 0.0 | U |
| 2.400 | 0.4527 | 0.0000 | 79.080 | 0.45264 | 0.00000 | 567.2 | 567.2 | 0.0 | U |
| 2.408 | 0.4567 | 0.0000 | 79.082 | 0.45672 | 0.00000 | 580.8 | 580.8 | 0.0 | U |
| 2.417 | 0.4608 | 0.0000 | 79.084 | 0.46074 | 0.00000 | 594.6 | 594.6 | 0.0 | U |
| 2.425 | 0.4647 | 0.0000 | 79.086 | 0.46471 | 0.00000 | 608.5 | 608.5 | 0.0 | U |
| 2.433 | 0.4687 | 0.0000 | 79.088 | 0.46864 | 0.00000 | 622.5 | 622.5 | 0.0 | U |
| 2.442 | 0.4725 | 0.0000 | 79.090 | 0.47252 | 0.00000 | 636.6 | 636.6 | 0.0 | U |
| 2.450 | 0.4764 | 0.0000 | 79.092 | 0.47636 | 0.00000 | 650.8 | 650.8 | 0.0 | U |
| 2.458 | 0.4802 | 0.0000 | 79.094 | 0.48016 | 0.00000 | 665.2 | 665.2 | 0.0 | U |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Infow Rate ( $\mathrm{ff}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (fl datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overfiow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2.467 | 0.4839 | 0.0000 | 79.096 | 0.48391 | 0.00000 | 679.6 | 679.6 | 0.0 | U |
| 2.475 | 0.4876 | 0.0000 | 79.098 | 0.48762 | 0.00000 | 694.2 | 694.2 | 0.0 | U |
| 2.483 | 0.4913 | 0.0000 | 79.100 | 0.49129 | 0.00000 | 708.9 | 708.9 | 0.0 | U |
| 2.492 | 0.4949 | 0.0000 | 79.102 | 0.49495 | 0.00000 | 723.7 | 723.7 | 0.0 | U |
| 2.500 | 0.4986 | 0.0000 | 79.104 | 0.49870 | 0.00000 | 738.6 | 738.6 | 0.0 | U |
| 2.508 | 0.5026 | 0.0000 | 79.106 | 0.50274 | 0.00000 | 753.6 | 753.6 | 0.0 | U |
| 2.517 | 0.5071 | 0.0000 | 79.108 | 0.50726 | 0.00000 | 768.8 | 768.8 | 0.0 | U |
| 2.525 | 0.5122 | 0.0000 | 79.110 | 0.51240 | 0.00000 | 784.1 | 784.1 | 0.0 | U |
| 2.533 | 0.5181 | 0.0000 | 79.112 | 0.51835 | 0.00000 | 799.5 | 799.5 | 0.0 | U |
| 2.542 | 0.5250 | 0.0000 | 79.115 | 0.52532 | 0.00000 | 815.2 | 815.2 | 0.0 | U |
| 2.550 | 0.5332 | 0.0000 | 79.117 | 0.53352 | 0.00000 | 831.0 | 831.0 | 0.0 | U |
| 2.558 | 0.5427 | 0.0000 | 79.119 | 0.53984 | 0.00000 | 847.2 | 847.2 | 0.0 | U |
| 2.567 | 0.5537 | 0.0000 | 84.000 | 0.54173 | 0.00000 | 863.6 | 863.4 | 0.0 | U/P |
| 2.575 | 0.5659 | 0.0000 | 84.000 | 0.54174 | 0.00000 | 880.4 | 879.7 | 0.0 | U/P |
| 2.583 | 0.5790 | 0.0000 | 84.000 | 0.54175 | 0.00000 | 897.6 | 895.9 | 0.0 | U/P |
| 2.592 | 0.5928 | 0.0000 | 84.000 | 0.54178 | 0.00000 | 915.2 | 912.2 | 0.0 | U/P |
| 2.600 | 0.6069 | 0.0000 | 84.001 | 0.54182 | 0.00000 | 933.2 | 928.4 | 0.0 | U/P |
| 2.608 | 0.6212 | 0.0000 | 84.001 | 0.54187 | 0.00000 | 951.6 | 944.7 | 0.0 | U/P |
| 2.617 | 0.6354 | 0.0000 | 84.001 | 0.54193 | 0.00000 | 970.4 | 960.9 | 0.0 | U/P |
| 2.625 | 0.6494 | 0.0000 | 84.001 | 0.54200 | 0.00000 | 989.7 | 977.2 | 0.0 | U/P |
| 2.633 | 0.6629 | 0.0000 | 84.002 | 0.54208 | 0.00000 | 1009.4 | 993.5 | 0.0 | U/P |
| 2.642 | 0.6760 | 0.0000 | 84.002 | 0.54217 | 0.00000 | 1029.5 | 1009.7 | 0.0 | U/P |
| 2.650 | 0.6885 | 0.0000 | 84.003 | 0.54227 | 0.00000 | 1049.9 | 1026.0 | 0.0 | U/P |
| 2.658 | 0.7002 | 0.0000 | 84.003 | 0.54238 | 0.00000 | 1070.8 | 1042.3 | 0.0 | U/P |
| 2.667 | 0.7112 | 0.0000 | 84.004 | 0.54250 | 0.00000 | 1091.9 | 1058.5 | 0.0 | U/P |
| 2.675 | 0.7214 | 0.0000 | 84.004 | 0.54263 | 0.00000 | 1113.4 | 1074.8 | 0.0 | U/P |
| 2.683 | 0.7307 | 0.0000 | 84.005 | 0.54276 | 0.00000 | 1135.2 | 1091.1 | 0.0 | U/P |
| 2.692 | 0.7395 | 0.0000 | 84.005 | 0.54290 | 0.00000 | 1157.3 | 1107.4 | 0.0 | U/P |
| 2.700 | 0.7477 | 0.0000 | 84.006 | 0.54305 | 0.00000 | 1179.6 | 1123.7 | 0.0 | U/P |
| 2.708 | 0.7555 | 0.0000 | 84.007 | 0.54320 | 0.00000 | 1202.1 | \$140.0 | 0.0 | U/P |
| 2.717 | 0.7629 | 0.0000 | 84.007 | 0.54336 | 0.00000 | 1224.9 | 1156.3 | 0.0 | U/P |
| 2.725 | 0.7700 | 0.0000 | 84.008 | 0.54352 | 0.00000 | 1247.9 | 1172.6 | 0.0 | U/P |
| 2.733 | 0.7767 | 0.0000 | 84.009 | 0.54369 | 0.00000 | 1271.1 | 1188.9 | 0.0 | U/P |
| 2.742 | 0.7832 | 0.0000 | 84.010 | 0.54387 | 0.00000 | 1294.5 | 1205.2 | 0.0 | U/P |
| 2.750 | 0.7894 | 0.0000 | 84.010 | 0.54405 | 0.00000 | 1318.1 | 1221.5 | 0.0 | U/P |
| 2.758 | 0.7953 | 0.0000 | 84.011 | 0.54423 | 0.00000 | 1341.8 | 1237.8 | 0.0 | U/P |
| 2.767 | 0.8010 | 0.0000 | 84.012 | 0.54442 | 0.00000 | 1365.8 | 1254.2 | 0.0 | U/P |
| 2.775 | 0.8065 | 0.0000 | $84.0 \ddagger 3$ | 0.54461 | 0.00000 | 1389.9 | 1270.5 | 0.0 | U/P |
| 2.783 | 0.8118 | 0.0000 | 84.014 | 0.54481 | 0.00000 | 1414.2 | 1286.8 | 0.0 | U/P |
| 2.792 | 0.8170 | 0.0000 | 84.014 | 0.54500 | 0.00000 | 1438.6 | 1303.2 | 0.0 | U/P |
| 2.800 | 0.8220 | 0.0000 | 84.015 | 0.54521 | 0.00000 | 1463.2 | 1319.5 | 0.0 | U/P |
| 2.808 | 0.8269 | 0.0000 | 84.016 | 0.54541 | 0.00000 | 1487.9 | 1335.9 | 0.0 | U/P |
| 2.817 | 0.8316 | 0.0000 | 84.017 | 0.54562 | 0.00000 | 1512.8 | 1352.3 | 0.0 | U/P |
| 2.825 | 0.8362 | 0.0000 | 84.018 | 0.54584 | 0.00000 | 1537.8 | 1368.6 | 0.0 | U/P |
| 2.833 | 0.8407 | 0.0000 | 84.019 | 0.54605 | 0.00000 | 1563.0 | 1385.0 | 0.0 | U/P |
| 2.842 | 0.8451 | 0.0000 | 84.020 | 0.54627 | 0.00000 | 1588.3 | 1401.4 | 0.0 | U/P |
| 2.850 | 0.8494 | 0.0000 | 84.021 | 0.54650 | 0.00000 | 1613.7 | 1417.8 | 0.0 | U/P |
| 2.858 | 0.8536 | 0.0000 | 84.022 | 0.54672 | 0.00000 | 1639.2 | 1434.2 | 0.0 | U/P |
| 2.867 | 0.8577 | 0.0000 | 84.023 | 0.54695 | 0.00000 | 1664.9 | 1450.6 | 0.0 | U/P |
| 2.875 | 0.8618 | 0.0000 | 84.024 | 0.54718 | 0.00000 | 1690.7 | 1467.0 | 0.0 | U/P |
| 2.883 | 0.8658 | 0.0000 | 84.025 | 0.54742 | 0.00000 | 1716.6 | 1483.4 | 0.0 | U/P |
| 2.892 | 0.8697 | 0.0000 | 84.026 | 0.54765 | 0.00000 | 1742.6 | 1499.8 | 0.0 | U/P |
| 2.900 | 0.8735 | 0.0000 | 84.027 | 0.54789 | 0.00000 | 1768.8 | 1516.3 | 0.0 | U/P |
| 2.908 | 0.8773 | 0.0000 | 84.028 | 0.54813 | 0.00000 | 1795.0 | 1532.7 | 0.0 | U/P |
| 2.917 | 0.8810 | 0.0000 | 84.029 | 0.54838 | 0.00000 | 1821.4 | 1549.2 | 0.0 | U/P |
| 2.925 | 0.8847 | 0.0000 | 84.030 | 0.54862 | 0.00000 | 1847.9 | 1565.6 | 0.0 | U/P |
| 2.933 | 0.8883 | 0.0000 | 84.031 | 0.54887 | 0.00000 | 1874.5 | 1582.1 | 0.0 | U/P |
| 2.942 | 0.8918 | 0.0000 | 84.032 | 0.54912 | 0.00000 | 1901.2 | 1598.6 | 0.0 | U/P |
| 2.950 | 0.8953 | 0.0000 | 84.033 | 0.54938 | 0.00000 | 1928.0 | 1615.0 | 0.0 | U/P |
| 2.958 | 0.8988 | 0.0000 | 84.034 | 0.54964 | 0.00000 | 1954.9 | 1631.5 | 0.0 | U/P |
| 2.967 | 0.9022 | 0.0000 | 84.035 | 0.54989 | 0.00000 | 1981.9 | 1648.0 | 0.0 | U/P |
| 2.975 | 0.9056 | 0.0000 | 84.037 | 0.55015 | 0.00000 | 2009.0 | 1664.5 | 0.0 | U/P |
| 2.983 | 0.9089 | 0.0000 | 84.038 | 0.55042 | 0.00000 | 2036.3 | 1681.0 | 0.0 | U/P |
| 2.992 | 0.9122 | 0.0000 | 84.039 | 0.55068 | 0.00000 | 2063.6 | 1697.5 | 0.0 | U/P |
| 3.000 | 0.9154 | 0.0000 | 84.040 | 0.55095 | 0.00000 | 2091.0 | 1714.1 | 0.0 | U/P |
| 3.008 | 0.9195 | 0.0000 | 84.041 | 0.55122 | 0.00000 | 2118.5 | 1730.6 | 0.0 | U/P |
| 3.017 | 0.9253 | 0.0000 | 84.042 | 0.55149 | 0.00000 | 2146.2 | 1747.1 | 0.0 | U/P |
| 3.025 | 0.9335 | 0.0000 | 84.043 | 0.55177 | 0.00000 | 2174.1 | 1763.7 | 0.0 | U/P |
| 3.033 | 0.9444 | 0.0000 | 84.045 | 0.55205 | 0.00000 | 2202.2 | 1780.2 | 0.0 | U/P |
| 3.042 | 0.9589 | 0.0000 | 84.046 | 0.55234 | 0.00000 | 2230.8 | 1796.8 | 0.0 | U/P |
| 3.050 | 0.9780 | 0.0000 | 84.047 | 0.55264 | 0.00000 | 2259.8 | 1813.4 | 0.0 | U/P |
| 3.058 | 1.0024 | 0.0000 | 84.049 | 0.55295 | 0.00000 | 2289.5 | 1830.0 | 0.0 | U/P |
| 3.067 | 1.0327 | 0.0000 | 84.050 | 0.55329 | 0.00000 | 2320.1 | 1846.6 | 0.0 | U/P |
| 3.075 | 1.0680 | 0.0000 | 84.052 | 0.55364 | 0.00000 | 2351.6 | 1863.2 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/overflow

| Elapsed Time (hours) | Infiow <br> Rate <br> ( $\mathrm{Ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (fl datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{5}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 3.083 | 1.1075 | 0.0000 | 84.053 | 0.55402 | 0.00000 | 2384.2 | 1879.8 | 0.0 | U/P |
| 3.092 | 1.1499 | 0.0000 | 84.055 | 0.55442 | 0.00000 | 2418.1 | 1896.4 | 0.0 | U/P |
| 3.100 | 1.1945 | 0.0000 | 84.057 | 0.55486 | 0.00000 | 2453.2 | 1913.0 | 0.0 | U/P |
| 3.108 | 1.2396 | 0.0000 | 84.059 | 0.55533 | 0.00000 | 2489.7 | 1929.7 | 0.0 | U/P |
| 3.117 | 1.2848 | 0.0000 | 84.061 | 0.55583 | 0.00000 | 2527.6 | 1946.4 | 0.0 | U/P |
| 3.125 | 1.3294 | 0.0000 | 84.064 | 0.55637 | 0.00000 | 2566.8 | 1963.0 | 0.0 | U/P |
| 3.133 | 1.3725 | 0.0000 | 84.066 | 0.55693 | 0.00000 | 2607.4 | 1979.7 | 0.0 | U/P |
| 3.142 | 1.4135 | 0.0000 | 84.069 | 0.55753 | 0.00000 | 2649.1 | 1996.5 | 0.0 | U/P |
| 3.150 | 1.4524 | 0.0000 | 84.071 | 0.55815 | 0.00000 | 2692.1 | 2013.2 | 0.0 | U/P |
| 3.158 | 1.4889 | 0.0000 | 84.074 | 0.55880 | 0.00000 | 2736.2 | 2029.9 | 0.0 | U/P |
| 3.167 | 1.5223 | 0.0000 | 84.077 | 0.55948 | 0.00000 | 2781.4 | 2046.7 | 0.0 | U/P |
| 3.175 | 1.5523 | 0.0000 | 84.080 | 0.56018 | 0.00000 | 2827.5 | 2063.5 | 0.0 | U/P |
| 3.183 | 1.5790 | 0.0000 | 84.083 | 0.56090 | 0.00000 | 2874.5 | 2080.3 | 0.0 | U/P |
| 3.192 | 1.6031 | 0.0000 | 84.087 | 0.56163 | 0.00000 | 2922.2 | 2097.2 | 0.0 | U/P |
| 3.200 | 1.6250 | 0.0000 | 84.090 | 0.56239 | 0.00000 | 2970.7 | 2114.0 | 0.0 | U/P |
| 3.208 | 1.6452 | 0.0000 | 84.093 | 0.56316 | 0.00000 | 3019.7 | 2130.9 | 0.0 | U/P |
| 3.217 | 1.6637 | 0.0000 | 84.096 | 0.56394 | 0.00000 | 3069.3 | 2147.8 | 0.0 | U/P |
| 3.225 | 1.6808 | 0.0000 | 84.100 | 0.56473 | 0.00000 | 3119.5 | 2164.7 | 0.0 | U/P |
| 3.233 | 1.6967 | 0.0000 | 84.103 | 0.56553 | 0.00000 | 3170.2 | 2181.7 | 0.0 | U/P |
| 3.242 | 1.7115 | 0.0000 | 84.107 | 0.56635 | 0.00000 | 3221.3 | 2198.7 | 0.0 | U/P |
| 3.250 | 1.7253 | 0.0000 | 84.110 | 0.56717 | 0.00000 | 3272.8 | 2215.7 | 0.0 | U/P |
| 3.258 | 1.7382 | 0.0000 | 84.114 | 0.56800 | 0.00000 | 3324.8 | 2232.7 | 0.0 | U/P |
| 3.267 | 1.7501 | 0.0000 | 84.117 | 0.56884 | 0.00000 | 3377.1 | 2249.8 | 0.0 | U/P |
| 3.275 | 1.7613 | 0.0000 | 84.121 | 0.56968 | 0.00000 | 3429.8 | 2266.8 | 0.0 | U/P |
| 3.283 | 1.7719 | 0.0000 | 84.125 | 0.57053 | 0.00000 | 3482.8 | 2283.9 | 0.0 | U/P |
| 3.292 | 1.7818 | 0.0000 | 84.128 | 0.57139 | 0.00000 | 3536.1 | 2301.1 | 0.0 | U/P |
| 3.300 | 1.7912 | 0.0000 | 84.132 | 0.57225 | 0.00000 | 3589.7 | 2318.2 | 0.0 | U/P |
| 3.308 | 1.8001 | 0.0000 | 84.136 | 0.57312 | 0.00000 | 3643.6 | 2335.4 | 0.0 | U/P |
| 3.317 | 1.8086 | 0.0000 | 84.139 | 0.57399 | 0.00000 | 3697.7 | 2352.6 | 0.0 | U/P |
| 3.325 | 1.8166 | 0.0000 | 84.143 | 0.57486 | 0.00000 | 3752.1 | 2369.8 | 0.0 | U/P |
| 3.333 | 1.8243 | 0.0000 | 84.147 | 0.57574 | 0.00000 | 3806.7 | 2387.1 | 0.0 | U/P |
| 3.342 | 1.8316 | 0.0000 | 84.151 | 0.57662 | 0.00000 | 3861.5 | 2404.4 | 0.0 | U/P |
| 3.350 | 1.8386 | 0.0000 | 84.155 | 0.57751 | 0.00000 | 3916.6 | 2421.7 | 0.0 | U/P |
| 3.358 | 1.8454 | 0.0000 | 84.158 | 0.57840 | 0.00000 | 3971.8 | 2439.0 | 0.0 | U/P |
| 3.367 | 1.8520 | 0.0000 | 84.162 | 0.57929 | 0.00000 | 4027.3 | 2456.4 | 0.0 | U/P |
| 3.375 | 1.8582 | 0.0000 | 84.166 | 0.58018 | 0.00000 | 4082.9 | 2473.8 | 0.0 | U/P |
| 3.383 | 1.8643 | 0.0000 | 84.170 | 0.58108 | 0.00000 | 4138.8 | 2491.2 | 0.0 | U/P |
| 3.392 | 1.8702 | 0.0000 | 84.174 | 0.58197 | 0.00000 | 4194.8 | 2508.7 | 0.0 | U/P |
| 3.400 | 1.8759 | 0.0000 | 84.177 | 0.58287 | 0.00000 | 4251.0 | 2526.1 | 0.0 | U/P |
| 3.408 | 1.8815 | 0.0000 | 84.181 | 0.58378 | 0.00000 | 4307.4 | 2543.6 | 0.0 | U/P |
| 3.417 | 1.8869 | 0.0000 | 84.185 | 0.58468 | 0.00000 | 4363.9 | 2561.2 | 0.0 | U/P |
| 3.425 | 1.8921 | 0.0000 | 84.189 | 0.58559 | 0.00000 | 4420.6 | 2578.7 | 0.0 | U/P |
| 3.433 | 1.8973 | 0.0000 | 84.193 | 0.58649 | 0.00000 | 4477.4 | 2596.3 | 0.0 | U/P |
| 3.442 | 1.9022 | 0.0000 | 84.197 | 0.58740 | 0.00000 | 4534.4 | 2613.9 | 0.0 | U/P |
| 3.450 | 1.9071 | 0.0000 | 84.201 | 0.58831 | 0.00000 | 4591.5 | 2631.5 | 0.0 | U/P |
| 3.458 | 1.9119 | 0.0000 | 84.205 | 0.58922 | 0.00000 | 4648.8 | 2649.2 | 0.0 | U/P |
| 3.467 | 1.9166 | 0.0000 | 84.208 | 0.59014 | 0.00000 | 4706.3 | 2666.9 | 0.0 | U/P |
| 3.475 | 1.9212 | 0.0000 | 84.212 | 0.59105 | 0.00000 | 4763.8 | 2684.6 | 0.0 | U/P |
| 3.483 | 1.9257 | 0.0000 | 84.216 | 0.59197 | 0.00000 | 4821.5 | 2702.4 | 0.0 | U/P |
| 3.492 | 1.9301 | 0.0000 | 84.220 | 0.59288 | 0.00000 | 4879.4 | 2720.1 | 0.0 | U/P |
| 3.500 | 7.9344 | 0.0000 | 84.224 | 0.59380 | 0.00000 | 4937.3 | 2737.9 | 0.0 | U/P |
| 3.508 | 1.9388 | 0.0000 | 84.228 | 0.59472 | 0.00000 | 4995.4 | 2755.8 | 0.0 | U/P |
| 3.517 | 1.9436 | 0.0000 | 84.232 | 0.59564 | 0.00000 | 5053.7 | 2773.6 | 0.0 | U/P |
| 3.525 | 1.9492 | 0.0000 | 84.236 | 0.59656 | 0.00000 | 5112.1 | 2791.5 | 0.0 | U/P |
| 3.533 | 1.9557 | 0.0000 | 84.240 | 0.59748 | 0.00000 | 5170.6 | 2809.4 | 0.0 | U/P |
| 3.542 | 1.9634 | 0.0000 | 84.244 | 0.59840 | 0.00000 | 5229.4 | 2827.3 | 0.0 | U/P |
| 3.550 | 1.9726 | 0.0000 | 84.248 | 0.59933 | 0.00000 | 5288.5 | 2845.3 | 0.0 | U/P |
| 3.558 | 1.9837 | 0.0000 | 84.252 | 0.60026 | 0.00000 | 5347.8 | 2863.3 | 0.0 | U/P |
| 3.567 | 1.9969 | 0.0000 | 84.256 | 0.60120 | 0.00000 | 5407.5 | 2881.3 | 0.0 | U/P |
| 3.575 | 2.0122 | 0.0000 | 84.260 | 0.60215 | 0.00000 | 5467.6 | 2899.4 | 0.0 | U/P |
| 3.583 | 2.0292 | 0.0000 | 84.264 | 0.60310 | 0.00000 | 5528.3 | 2917.5 | 0.0 | U/P |
| 3.592 | 2.0476 | 0.0000 | 84.268 | 0.60406 | 0.00000 | 5589.4 | 2935.6 | 0.0 | U/P |
| 3.600 | 2.0668 | 0.0000 | 84.272 | 0.60503 | 0.00000 | 5651.1 | 2953.7 | 0.0 | U/P |
| 3.608 | 2.0865 | 0.0000 | 84.276 | 0.60602 | 0.00000 | 5713.4 | 2971.9 | 0.0 | U/P |
| 3.617 | 2.1062 | 0.0000 | 84.281 | 0.60701 | 0.00000 | 5776.3 | 2990.1 | 0.0 | U/P |
| 3.625 | 2.1257 | 0.0000 | 84.285 | 0.60801 | 0.00000 | 5839.8 | 3008.3 | 0.0 | U/P |
| 3.633 | 2.1447 | 0.0000 | 84.289 | 0.60903 | 0.00000 | 5903.9 | 3026.5 | 0.0 | U/P |
| 3.642 | 2.1629 | 0.0000 | 84.294 | 0.61005 | 0.00000 | 5968.5 | 3044.8 | 0.0 | U/P |
| 3.650 | 2.1802 | 0.0000 | 84.298 | 0.61109 | 0.00000 | 6033.6 | 3063.1 | 0.0 | U/P |
| 3.658 | 2.1965 | 0.0000 | 84.303 | 0.61213 | 0.00000 | 6099.3 | 3081.5 | 0.0 | U/P |
| 3.667 | 2.2116 | 0.0000 | 84.307 | 0.61318 | 0.00000 | 6165.4 | 3099.9 | 0.0 | U/P |
| 3.675 | 2.2255 | 0.0000 | 84.312 | 0.61424 | 0.00000 | 6231.9 | 3118.3 | 0.0 | U/P |
| 3.683 | 2.2379 | 0.0000 | 84.316 | 0.61531 | 0.00000 | 6298.9 | 3136.7 | 0.0 | U/P |
| 3.692 | 2.2491 | 0.0000 | 84.321 | 0.61638 | 0.00000 | 6366.2 | 3155.2 | 0.0 | U/P |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate (ftys) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 3.700 | 2.2594 | 0.0000 | 84.325 | 0.61746 | 0.00000 | 6433.8 | 3173.7 | 0.0 | U/P |
| 3.708 | 2.2689 | 0.0000 | 84.330 | 0.61854 | 0.00000 | 6501.7 | 3192.3 | 0.0 | U/P |
| 3.717 | 2.2776 | 0.0000 | 84.335 | 0.61963 | 0.00000 | 6569.9 | 3210.8 | 0.0 | U/P |
| 3.725 | 2.2857 | 0.0000 | 84.339 | 0.62071 | 0.00000 | 6638.4 | 3229.4 | 0.0 | U/P |
| 3.733 | 2.2933 | 0.0000 | 84.344 | 0.62180 | 0.00000 | 6707.1 | 3248.1 | 0.0 | U/P |
| 3.742 | 2.3004 | 0.0000 | 84.349 | 0.62290 | 0.00000 | 6776.0 | 3266.7 | 0.0 | U/P |
| 3.750 | 2.3070 | 0.0000 | 84.353 | 0.62399 | 0.00000 | 6845.1 | 3285.4 | 0.0 | U/P |
| 3.758 | 2.3133 | 0.0000 | 84.358 | 0.62509 | 0.00000 | 6914.4 | 3304.2 | 0.0 | U/P |
| 3.767 | 2.3191 | 0.0000 | 84.363 | 0.62619 | 0.00000 | 6983.9 | 3322.9 | 0.0 | U/P |
| 3.775 | 2.3247 | 0.0000 | 84.367 | 0.62729 | 0.00000 | 7053.5 | 3341.7 | 0.0 | U/P |
| 3.783 | 2.3299 | 0.0000 | 84.372 | 0.62839 | 0.00000 | 7123.4 | 3360.6 | 0.0 | U/P |
| 3.792 | 2.3349 | 0.0000 | 84.377 | 0.62949 | 0.00000 | 7193.3 | 3379.4 | 0.0 | U/P |
| 3.800 | 2.3396 | 0.0000 | 84.381 | 0.63059 | 0.00000 | 7263.4 | 3398.4 | 0.0 | U/P |
| 3.808 | 2.3441 | 0.0000 | 84.386 | 0.63169 | 0.00000 | 7333.7 | 3417.3 | 0.0 | U/P |
| 3.817 | 2.3484 | 0.0000 | 84.391 | 0.63279 | 0.00000 | 7404.1 | 3436.3 | 0.0 | U/P |
| 3.825 | 2.3525 | 0.0000 | 84.396 | 0.63390 | 0.00000 | 7474.6 | 3455.3 | 0.0 | U/P |
| 3.833 | 2.3565 | 0.0000 | 84.400 | 0.63500 | 0.00000 | 7545.2 | 3474.3 | 0.0 | U/P |
| 3.842 | 2.3603 | 0.0000 | 84.405 | 0.63610 | 0.00000 | 7616.0 | 3493.4 | 0.0 | U/P |
| 3.850 | 2.3640 | 0.0000 | 84.410 | 0.63720 | 0.00000 | 7686.9 | 3512.5 | 0.0 | U/P |
| 3.858 | 2.3675 | 0.0000 | 84.414 | 0.63831 | 0.00000 | 7757.8 | 3531.6 | 0.0 | U/P |
| 3.867 | 2.3710 | 0.0000 | 84.419 | 0.63941 | 0.00000 | 7828.9 | 3550.8 | 0.0 | U/P |
| 3.875 | 2.3743 | 0.0000 | 84.424 | 0.64051 | 0.00000 | 7900.1 | 3569.9 | 0.0 | U/P |
| 3.883 | 2.3776 | 0.0000 | 84.428 | 0.64161 | 0.00000 | 7971.4 | 3589.2 | 0.0 | U/P |
| 3.892 | 2.3807 | 0.0000 | 84.433 | 0.64271 | 0.00000 | 8042.7 | 3608.4 | 0.0 | U/P |
| 3.900 | 2.3838 | 0.0000 | 84.438 | 0.64381 | 0.00000 | 8114.2 | 3627.7 | 0.0 | U/P |
| 3.908 | 2.3868 | 0.0000 | 84.442 | 0.64491 | 0.00000 | 8185.8 | 3647.1 | 0.0 | U/P |
| 3.917 | 2.3897 | 0.0000 | 84.447 | 0.64601 | 0.00000 | 8257.4 | 3666.4 | 0.0 | U/P |
| 3.925 | 2.3926 | 0.0000 | 84.452 | 0.64710 | 0.00000 | 8329.1 | 3685.8 | 0.0 | U/P |
| 3.933 | 2.3954 | 0.0000 | 84.457 | 0.64820 | 0.00000 | 8401.0 | 3705.3 | 0.0 | U/P |
| 3.942 | 2.3982 | 0.0000 | 84.461 | 0.64930 | 0.00000 | 8472.9 | 3724.7 | 0.0 | U/P |
| 3.950 | 2.4009 | 0.0000 | 84.466 | 0.65039 | 0.00000 | 8544.9 | 3744.2 | 0.0 | U/P |
| 3.958 | 2.4035 | 0.0000 | 84.471 | 0.65149 | 0.00000 | 8616.9 | 3763.8 | 0.0 | U/P |
| 3.967 | 2.4061 | 0.0000 | 84.475 | 0.65258 | 0.00000 | 8689.1 | 3783.3 | 0.0 | U/P |
| 3.975 | 2.4087 | 0.0000 | 84.480 | 0.65367 | 0.00000 | 8761.3 | 3802.9 | 0.0 | U/P |
| 3.983 | 2.4112 | 0.0000 | 84.485 | 0.65477 | 0.00000 | 8833.6 | 3822.5 | 0.0 | U/P |
| 3.992 | 2.4137 | 0.0000 | 84.489 | 0.65586 | 0.00000 | 8906.0 | 3842.2 | 0.0 | U/P |
| 4.000 | 2.4161 | 0.0000 | 84.494 | 0.65695 | 0.00000 | 8978.4 | 3861.9 | 0.0 | U/P |
| 4.008 | 2.4185 | 0.0000 | 84.498 | 0.65804 | 0.00000 | 9050.9 | 3881.6 | 0.0 | U/P |
| 4.017 | 2.4221 | 0.0000 | 84.503 | 0.65912 | 0.00000 | 9123.5 | 3901.4 | 0.0 | U/P |
| 4.025 | 2.4279 | 0.0000 | 84.508 | 0.66021 | 0.00000 | 9196.3 | 3921.2 | 0.0 | U/P |
| 4.033 | 2.4366 | 0.0000 | 84.512 | 0.66130 | 0.00000 | 9269.3 | 3941.0 | 0.0 | U/P |
| 4.042 | 2.4489 | 0.0000 | 84.517 | 0.66239 | 0.00000 | 9342.5 | 3960.8 | 0.0 | U/P |
| 4.050 | 2.4658 | 0.0000 | 84.522 | 0.66349 | 0.00000 | 9416.3 | 3980.7 | 0.0 | U/P |
| 4.058 | 2.4884 | 0.0000 | 84.526 | 0.66460 | 0.00000 | 9490.6 | 4000.6 | 0.0 | U/P |
| 4.067 | 2.5177 | 0.0000 | 84.531 | 0.66571 | 0.00000 | 9565.7 | 4020.6 | 0.0 | U/P |
| 4.075 | 2.5543 | 0.0000 | 84.536 | 0.66685 | 0.00000 | 9641.7 | 4040.6 | 0.0 | U/P |
| 4.083 | 2.5971 | 0.0000 | 84.541 | 0.66800 | 0.00000 | 9719.0 | 4060.6 | 0.0 | U/P |
| 4.092 | 2.6448 | 0.0000 | 84.546 | 0.66917 | 0.00000 | 9797.6 | 4080.7 | 0.0 | U/P |
| 4.100 | 2.6961 | 0.0000 | 84.551 | 0.67037 | 0.00000 | 9877.7 | 4100.8 | 0.0 | U/P |
| 4.108 | 2.7497 | 0.0000 | 84.557 | 0.67160 | 0.00000 | 9959.4 | 4120.9 | 0.0 | U/P |
| 4.117 | 2.8037 | 0.0000 | 84.562 | 0.67286 | 0.00000 | 10042.7 | 4141.1 | 0.0 | U/P |
| 4.125 | 2.8576 | 0.0000 | 84.568 | 0.67415 | 0.00000 | 10127.7 | 4161.3 | 0.0 | U/P |
| 4.133 | 2.9105 | 0.0000 | 84.573 | 0.67547 | 0.00000 | 10214.2 | 4181.5 | 0.0 | U/P |
| 4.142 | 2.9611 | 0.0000 | 84.579 | 0.67681 | 0.00000 | 10302.3 | 4201.8 | 0.0 | U/P |
| 4.150 | 3.0091 | 0.0000 | 84.585 | 0.67818 | 0.00000 | 10391.8 | 4222.1 | 0.0 | U/P |
| 4.158 | 3.0540 | 0.0000 | 84.591 | 0.67958 | 0.00000 | 10482.8 | 4242.5 | 0.0 | U/P |
| 4.167 | 3.0957 | 0.0000 | 84.597 | 0.68100 | 0.00000 | 10575.0 | 4262.9 | 0.0 | U/P |
| 4.175 | 3.1334 | 0.0000 | 84.603 | 0.68244 | 0.00000 | 10668.4 | 4283.3 | 0.0 | U/P |
| 4.183 | 3.1666 | 0.0000 | 84.610 | 0.68390 | 0.00000 | 10762.9 | 4303.8 | 0.0 | U/P |
| 4.192 | 3.1956 | 0.0000 | 84.616 | 0.68537 | 0.00000 | 10858.4 | 4324.4 | 0.0 | U/P |
| 4.200 | 3.2212 | 0.0000 | 84.622 | 0.68686 | 0.00000 | 10954.6 | 4345.0 | 0.0 | U/P |
| 4.208 | 3.2441 | 0.0000 | 84.629 | 0.68836 | 0.00000 | 11051.6 | 4365.6 | 0.0 | U/P |
| 4.217 | 3.2647 | 0.0000 | 84.635 | 0.68987 | 0.00000 | 11149.2 | 4386.3 | 0.0 | U/P |
| 4.225 | 3.2832 | 0.0000 | 84.642 | 0.69139 | 0.00000 | 11247.5 | 4407.0 | 0.0 | U/P |
| 4.233 | 3.3000 | 0.0000 | 84.648 | 0.69291 | 0.00000 | 11346.2 | 4427.7 | 0.0 | U/P |
| 4.242 | 3.3153 | 0.0000 | 84.655 | 0.69444 | 0.00000 | 11445.4 | 4448.6 | 0.0 | U/P |
| 4.250 | 3.3292 | 0.0000 | 84.661 | 0.69598 | 0.00000 | 11545.1 | 4469.4 | 0.0 | U/P |
| 4.258 | 3.3418 | 0.0000 | 84.668 | 0.69751 | 0.00000 | 11645.2 | 4490.3 | 0.0 | U/P |
| 4.267 | 3.3532 | 0.0000 | 84.674 | 0.69906 | 0.00000 | 11745.6 | 4511.3 | 0.0 | U/P |
| 4.275 | 3.3635 | 0.0000 | 84.681 | 0.70060 | 0.00000 | 11846.3 | 4532.3 | 0.0 | U/P |
| 4.283 | 3.3730 | 0.0000 | 84.688 | 0.70214 | 0.00000 | 11947.4 | 4553.3 | 0.0 | U/P |
| 4.292 | 3.3816 | 0.0000 | 84.694 | 0.70369 | 0.00000 | 12048.7 | 4574.4 | 0.0 | U/P |
| 4.300 | 3.3896 | 0.0000 | 84.701 | 0.70524 | 0.00000 | 12150.3 | 4595.5 | 0.0 | U/P |
| 4.308 | 3.3969 | 0.0000 | 84.707 | 0.70679 | 0.00000 | 12252.1 | 4616.7 | 0.0 | U/P |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overlow <br> Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | $\begin{aligned} & \text { Cumulative } \\ & \text { Inflow } \\ & \text { Volume }\left(\mathrm{ft}^{3}\right) \end{aligned}$ | Cumulative infiltration Volume (ft ${ }^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4.317 | 3.4036 | 0.0000 | 84.714 | 0.70833 | 0.00000 | 12354.1 | 4637.9 | 0.0 | U/P |
| 4.325 | 3.4098 | 0.0000 | 84.721 | 0.70988 | 0.00000 | 12456.3 | 4659.2 | 0.0 | U/P |
| 4.333 | 3.4156 | 0.0000 | 84.727 | 0.71143 | 0.00000 | 12558.7 | 4680.5 | 0.0 | U/P |
| 4.342 | 3.4209 | 0.0000 | 84.734 | 0.71297 | 0.00000 | 12661.2 | 4701.9 | 0.0 | U/P |
| 4.350 | 3.4259 | 0.0000 | 84.740 | 0.71451 | 0.00000 | 12763.9 | 4723.3 | 0.0 | U/P |
| 4.358 | 3.4305 | 0.0000 | 84.747 | 0.71606 | 0.00000 | 12866.8 | 4744.8 | 0.0 | U/P |
| 4.367 | 3.4349 | 0.0000 | 84.753 | 0.71760 | 0.00000 | 12969.7 | 4766.3 | 0.0 | U/P |
| 4.375 | 3.4390 | 0.0000 | 84.760 | 0.71914 | 0.00000 | 13072.8 | 4787.8 | 0.0 | U/P |
| 4.383 | 3.4429 | 0.0000 | 84.767 | 0.72068 | 0.00000 | 13176.1 | 4809.4 | 0.0 | U/P |
| 4.392 | 3.4466 | 0.0000 | 84.773 | 0.72221 | 0.00000 | 13279.4 | 4831.0 | 0.0 | U/P |
| 4.400 | 3.4501 | 0.0000 | 84.780 | 0.72375 | 0.00000 | 13382.9 | 4852.7 | 0.0 | U/P |
| 4.408 | 3.4534 | 0.0000 | 84.786 | 0.72528 | 0.00000 | 13486.4 | 4874.5 | 0.0 | U/P |
| 4.417 | 3.4566 | 0.0000 | 84.793 | 0.72681 | 0.00000 | 13590.1 | 4896.3 | 0.0 | U/P |
| 4.425 | 3.4596 | 0.0000 | 84.799 | 0.72833 | 0.00000 | 13693.8 | 4918.1 | 0.0 | U/P |
| 4.433 | 3.4625 | 0.0000 | 84.806 | 0.72986 | 0.00000 | 13797.7 | 4940.0 | 0.0 | U/P |
| 4.442 | 3.4653 | 0.0000 | 84.812 | 0.73138 | 0.00000 | 13901.6 | 4961.9 | 0.0 | U/P |
| 4.450 | 3.4680 | 0.0000 | 84.819 | 0.73290 | 0.00000 | 14005.6 | 4983.8 | 0.0 | U/P |
| 4.458 | 3.4706 | 0.0000 | 84.825 | 0.73442 | 0.00000 | 14109.6 | 5005.8 | 0.0 | U/P |
| 4.467 | 3.4732 | 0.0000 | 84.832 | 0.73593 | 0.00000 | 14213.8 | 5027.9 | 0.0 | U/P |
| 4.475 | 3.4756 | 0.0000 | 84.838 | 0.73744 | 0.00000 | 14318.0 | 5050.0 | 0.0 | U/P |
| 4.483 | 3.4780 | 0.0000 | 84.845 | 0.73895 | 0.00000 | 14422.3 | 5072.1 | 0.0 | U/P |
| 4.492 | 3.4803 | 0.0000 | 84.851 | 0.74046 | 0.00000 | 14526.7 | 5094.3 | 0.0 | U/P |
| 4.500 | 3.4826 | 0.0000 | 84.857 | 0.74197 | 0.00000 | 14631.2 | 5116.6 | 0.0 | U/P |
| 4.508 | 3.4848 | 0.0000 | 84.864 | 0.74347 | 0.00000 | 14735.7 | 5138.9 | 0.0 | U/P |
| 4.517 | 3.4870 | 0.0000 | 84.870 | 0.74497 | 0.00000 | 14840.2 | 5161.2 | 0.0 | U/P |
| 4.525 | 3.4895 | 0.0000 | 84.877 | 0.74646 | 0.00000 | 14944.9 | 5183.6 | 0.0 | U/P |
| 4.533 | 3.4924 | 0.0000 | 84.883 | 0.74796 | 0.00000 | 15049.6 | 5206.0 | 0.0 | U/P |
| 4.542 | 3.4960 | 0.0000 | 84.889 | 0.74945 | 0.00000 | 15154.5 | 5228.4 | 0.0 | U/P |
| 4.550 | 3.5002 | 0.0000 | 84.896 | 0.75094 | 0.00000 | 15259.4 | 5250.9 | 0.0 | U/P |
| 4.558 | 3.5054 | 0.0000 | 84.902 | 0.75243 | 0.00000 | 15364.5 | 5273.5 | 0.0 | U/P |
| 4.567 | 3.5117 | 0.0000 | 84.908 | 0.75392 | 0.00000 | 15469.7 | 5296.1 | 0.0 | U/P |
| 4.575 | 3.5193 | 0.0000 | 84.915 | 0.75540 | 0.00000 | 15575.2 | 5318.7 | 0.0 | U/P |
| 4.583 | 3.5283 | 0.0000 | 84.921 | 0.75689 | 0.00000 | 15680.9 | 5341.4 | 0.0 | U/P |
| 4.592 | 3.5382 | 0.0000 | 84.927 | 0.75838 | 0.00000 | 15786.9 | 5364.1 | 0.0 | U/P |
| 4.600 | 3.5489 | 0.0000 | 84.934 | 0.75987 | 0.00000 | 15893.2 | 5386.9 | 0.0 | U/P |
| 4.608 | 3.5602 | 0.0000 | 84.940 | 0.76136 | 0.00000 | 15999.9 | 5409.7 | 0.0 | U/P |
| 4.617 | 3.5717 | 0.0000 | 84.946 | 0.76286 | 0.00000 | 16106.8 | 5432.6 | 0.0 | U/P |
| 4.625 | 3.5832 | 0.0000 | 84.953 | 0.76436 | 0.00000 | 16214.2 | 5455.5 | 0.0 | U/P |
| 4.633 | 3.5946 | 0.0000 | 84.959 | 0.76585 | 0.00000 | 16321.8 | 5478.5 | 0.0 | U/P |
| 4.642 | 3.6056 | 0.0000 | 84.966 | 0.76736 | 0.00000 | 16429.8 | 5501.5 | 0.0 | U/P |
| 4.650 | 3.6161 | 0.0000 | 84.972 | 0.76886 | 0.00000 | 16538.2 | 5524.5 | 0.0 | U/P |
| 4.658 | 3.6261 | 0.0000 | 84.979 | 0.77037 | 0.00000 | 16646.8 | 5547.6 | 0.0 | U/P |
| 4.667 | 3.6354 | 0.0000 | 84.985 | 0.77187 | 0.00000 | 16755.7 | 5570.7 | 0.0 | U/P |
| 4.675 | 3.6440 | 0.0000 | 84.991 | 0.77338 | 0.00000 | 16864.9 | 5593.9 | 0.0 | U/P |
| 4.683 | 3.6518 | 0.0000 | 84.998 | 0.77489 | 0.00000 | 16974.3 | 5617.1 | 0.0 | U/P |
| 4.692 | 3.6588 | 0.0000 | 85.004 | 0.77627 | 0.00000 | 17084.0 | 5640.4 | 0.0 | U/P |
| 4.700 | 3.6650 | 0.0000 | 85.011 | 0.77745 | 0.00000 | 17193.9 | 5663.7 | 0.0 | U/P |
| 4.708 | 3.6706 | 0.0000 | 85.017 | 0.77857 | 0.00000 | 17303.9 | 5687.0 | 0.0 | U/P |
| 4.717 | 3.6757 | 0.0000 | 85.024 | 0.77969 | 0.00000 | 17414.1 | 5710.4 | 0.0 | U/P |
| 4.725 | 3.6804 | 0.0000 | 85.030 | 0.78081 | 0.00000 | 17524.4 | 5733.8 | 0.0 | U/P |
| 4.733 | 3.6847 | 0.0000 | 85.036 | 0.78192 | 0.00000 | 17634.9 | 5757.3 | 0.0 | U/P |
| 4.742 | 3.6887 | 0.0000 | 85.043 | 0.78304 | 0.00000 | 17745.5 | 5780.7 | 0.0 | U/P |
| 4.750 | 3.6924 | 0.0000 | 85.049 | 0.78416 | 0.00000 | 17856.2 | 5804.2 | 0.0 | U/P |
| 4.758 | 3.6959 | 0.0000 | 85.056 | 0.78527 | 0.00000 | 17967.0 | 5827.8 | 0.0 | U/P |
| 4.767 | 3.6990 | 0.0000 | 85.062 | 0.78639 | 0.00000 | 18078.0 | 5851.4 | 0.0 | U/P |
| 4.775 | 3.7020 | 0.0000 | 85.069 | 0.78750 | 0.00000 | 18189.0 | 5875.0 | 0.0 | U/P |
| 4.783 | 3.7048 | 0.0000 | 85.075 | 0.78862 | 0.00000 | 18300.1 | 5898.6 | 0.0 | U/P |
| 4.792 | 3.7074 | 0.0000 | 85.081 | 0.78973 | 0.00000 | 18411.3 | 5922.3 | 0.0 | U/P |
| 4.800 | 3.7098 | 0.0000 | 85.088 | 0.79084 | 0.00000 | 18522.5 | 5946.0 | 0.0 | U/P |
| 4.808 | 3.7121 | 0.0000 | 85.094 | 0.79195 | 0.00000 | 18633.8 | 5969.7 | 0.0 | U/P |
| 4.817 | 3.7143 | 0.0000 | 85.101 | 0.79306 | 0.00000 | 18745.2 | 5993.5 | 0.0 | U/P |
| 4.825 | 3.7163 | 0.0000 | 85.107 | 0.79417 | 0.00000 | 18856.7 | 6017.3 | 0.0 | U/P |
| 4.833 | 3.7183 | 0.0000 | 85.113 | 0.79528 | 0.00000 | 18968.2 | 6041.2 | 0.0 | U/P |
| 4.842 | 3.7202 | 0.0000 | 85.120 | 0.79638 | 0.00000 | 19079.8 | 6065.0 | 0.0 | U/P |
| 4.850 | 3.7219 | 0.0000 | 85.126 | 0.79749 | 0.00000 | 19191.4 | 6088.9 | 0.0 | U/P |
| 4.858 | 3.7237 | 0.0000 | 85.133 | 0.79859 | 0.00000 | 19303.1 | 6112.9 | 0.0 | U/P |
| 4.867 | 3.7253 | 0.0000 | 85.139 | 0.79969 | 0.00000 | 19414.9 | 6136.9 | 0.0 | U/P |
| 4.875 | 3.7269 | 0.0000 | 85.145 | 0.80079 | 0.00000 | 19526.6 | 6160.9 | 0.0 | U/P |
| 4.883 | 3.7284 | 0.0000 | 85.152 | $0.80 \ddagger 89$ | 0.00000 | 19638.5 | 6184.9 | 0.0 | U/P |
| 4.892 | 3.7299 | 0.0000 | 85.158 | 0.80299 | 0.00000 | 19750.3 | 6209.0 | 0.0 | U/P |
| 4.900 | 3.7314 | 0.0000 | 85.164 | 0.80409 | 0.00000 | 19862.3 | 6233.1 | 0.0 | U/P |
| 4.908 | 3.7328 | 0.0000 | 85.171 | 0.80518 | 0.00000 | 19974.2 | 6257.2 | 0.0 | U/P |
| 4.917 | 3.7341 | 0.0000 | 85.177 | 0.80628 | 0.00000 | 20086.2 | 6281.4 | 0.0 | U/P |
| 4.925 | 3.7354 | 0.0000 | 85.183 | 0.80737 | 0.00000 | 20198.3 | 6305.6 | 0.0 | U/P |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate $\left(\mathrm{ft}^{3 /} / \mathrm{s}\right)$ | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{H}^{3 / \mathrm{s}} \mathrm{s}$ ) | Overflow <br> Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4.933 | 3.7367 | 0.0000 | 85.189 | 0.80846 | 0.00000 | 20310.3 | 6329.8 | 0.0 | U/P |
| 4.942 | 3.7380 | 0.0000 | 85.196 | 0.80955 | 0.00000 | 20422.5 | 6354.1 | 0.0 | U/P |
| 4.950 | 3.7392 | 0.0000 | 85.202 | 0.81064 | 0.00000 | 20534.6 | 6378.4 | 0.0 | U/P |
| 4.958 | 3.7404 | 0.0000 | 85.208 | 0.81173 | 0.00000 | 20646.8 | 6402.7 | 0.0 | U/P |
| 4.967 | 3.7416 | 0.0000 | 85.214 | 0.81281 | 0.00000 | 20759.1 | 6427.1 | 0.0 | U/P |
| 4.975 | 3.7428 | 0.0000 | 85.221 | 0.81390 | 0.00000 | 20871.3 | 6451.5 | 0.0 | U/P |
| 4.983 | 3.7439 | 0.0000 | 85.227 | 0.81498 | 0.00000 | 20983.6 | 6476.0 | 0.0 | U/P |
| 4.992 | 3.7451 | 0.0000 | 85.233 | 0.81606 | 0.00000 | 21096.0 | 6500.4 | 0.0 | U/P |
| 5.000 | 3.7463 | 0.0000 | 85.239 | 0.81714 | 0.00000 | 21208.3 | 6524.9 | 0.0 | U/P |
| 5.008 | 3.7479 | 0.0000 | 85.246 | 0.81822 | 0.00000 | 21320.7 | 6549.4 | 0.0 | U/P |
| 5.017 | 3.7500 | 0.0000 | 85.252 | 0.81930 | 0.00000 | 21433.2 | 6574.0 | 0.0 | U/P |
| 5.025 | 3.7526 | 0.0000 | 85.258 | 0.82037 | 0.00000 | 21545.7 | 6598.6 | 0.0 | U/P |
| 5.033 | 3.7559 | 0.0000 | 85.264 | 0.82145 | 0.00000 | 21658.4 | 6623.2 | 0.0 | U/P |
| 5.042 | 3.7601 | 0.0000 | 85.270 | 0.82252 | 0.00000 | 21771.1 | 6647.9 | 0.0 | U/P |
| 5.050 | 3.7653 | 0.0000 | 85.277 | 0.82360 | 0.00000 | 21884.0 | 6672.6 | 0.0 | U/P |
| 5.058 | 3.7717 | 0.0000 | 85.283 | 0.82467 | 0.00000 | 21997.0 | 6697.3 | 0.0 | U/P |
| 5.067 | 3.7790 | 0.0000 | 85.289 | 0.82575 | 0.00000 | 22110.3 | 6722.1 | 0.0 | U/P |
| 5.075 | 3.7871 | 0.0000 | 85.295 | 0.82683 | 0.00000 | 22223.8 | 6746.9 | 0.0 | U/P |
| 5.083 | 3.7958 | 0.0000 | 85.301 | 0.82790 | 0.00000 | 22337.5 | 6771.7 | 0.0 | U/P |
| 5.092 | 3.8049 | 0.0000 | 85.308 | 0.82898 | 0.00000 | 22451.6 | 6796.5 | 0.0 | U/P |
| 5.100 | 3.8141 | 0.0000 | 85.314 | 0.83006 | 0.00000 | 22565.8 | 6821.4 | 0.0 | U/P |
| 5.108 | 3.8232 | 0.0000 | 85.320 | 0.83114 | 0.00000 | 22680.4 | 6846.3 | 0.0 | U/P |
| 5.117 | 3.8322 | 0.0000 | 85.326 | 0.83223 | 0.00000 | 22795.2 | 6871.3 | 0.0 | U/P |
| 5.125 | 3.8407 | 0.0000 | 85.333 | 0.83331 | 0.00000 | 22910.3 | 6896.3 | 0.0 | U/P |
| 5.133 | 3.8489 | 0.0000 | 85.339 | 0.83440 | 0.00000 | 23025.7 | 6921.3 | 0.0 | U/P |
| 5.142 | 3.8566 | 0.0000 | 85.345 | 0.83548 | 0.00000 | 23141.2 | 6946.3 | 0.0 | U/P |
| 5.150 | 3.8637 | 0.0000 | 85.351 | 0.83657 | 0.00000 | 23257.1 | 6971.4 | 0.0 | U/P |
| 5.158 | 3.8702 | 0.0000 | 85.358 | 0.83766 | 0.00000 | 23373.1 | 6996.5 | 0.0 | U/P |
| 5.167 | 3.8760 | 0.0000 | 85.364 | 0.83875 | 0.00000 | 23489.3 | 7021.7 | 0.0 | U/P |
| 5.175 | 3.8811 | 0.0000 | 85.370 | 0.83984 | 0.00000 | 23605.6 | 7046.8 | 0.0 | U/P |
| 5.183 | 3.8857 | 0.0000 | 85.377 | 0.84093 | 0.00000 | 23722.1 | 7072.1 | 0.0 | U/P |
| 5.192 | 3.8898 | 0.0000 | 85.383 | 0.84202 | 0.00000 | 23838.7 | 7097.3 | 0.0 | U/P |
| 5.200 | 3.8935 | 0.0000 | 85.389 | 0.84311 | 0.00000 | 23955.5 | 7122.6 | 0.0 | U/P |
| 5.208 | 3.8968 | 0.0000 | 85.395 | 0.84420 | 0.00000 | 24072.3 | 7147.9 | 0.0 | U/P |
| 5.217 | 3.8999 | 0.0000 | 85.402 | 0.84529 | 0.00000 | 24189.3 | 7173.2 | 0.0 | U/P |
| 5.225 | 3.9028 | 0.0000 | 85.408 | 0.84637 | 0.00000 | 24306.3 | 7198.6 | 0.0 | U/P |
| 5.233 | 3.9054 | 0.0000 | 85.414 | 0.84746 | 0.00000 | 24423.5 | 7224.0 | 0.0 | U/P |
| 5.242 | 3.9078 | 0.0000 | 85.421 | 0.84855 | 0.00000 | 24540.7 | 7249.5 | 0.0 | U/P |
| 5.250 | 3.9100 | 0.0000 | 85.427 | 0.84963 | 0.00000 | 24657.9 | 7274.9 | 0.0 | U/P |
| 5.258 | 3.9121 | 0.0000 | 85.433 | 0.85071 | 0.00000 | 24775.3 | 7300.4 | 0.0 | U/P |
| 5.267 | 3.9140 | 0.0000 | 85.439 | 0.85180 | 0.00000 | 24892.7 | 7326.0 | 0.0 | U/P |
| 5.275 | 3.9157 | 0.0000 | 85.445 | 0.85288 | 0.00000 | 25010.1 | 7351.5 | 0.0 | U/P |
| 5.283 | 3.9174 | 0.0000 | 85.452 | 0.85396 | 0.00000 | 25127.6 | 7377.1 | 0.0 | U/P |
| 5.292 | 3.9189 | 0.0000 | 85.458 | 0.85504 | 0.00000 | 25245.1 | 7402.8 | 0.0 | U/P |
| 5.300 | 3.9203 | 0.0000 | 85.464 | 0.85612 | 0.00000 | 25362.7 | 7428.4 | 0.0 | U/P |
| 5.308 | 3.9217 | 0.0000 | 85.470 | 0.85719 | 0.00000 | 25480.4 | 7454.1 | 0.0 | U/P |
| 5.397 | 3.9230 | 0.0000 | 85.477 | 0.85827 | 0.00000 | 25598.0 | 7479.9 | 0.0 | U/P |
| 5.325 | 3.9242 | 0.0000 | 85.483 | 0.85934 | 0.00000 | 25715.7 | 7505.6 | 0.0 | U/P |
| 5.333 | 3.9253 | 0.0000 | 85.489 | 0.86042 | 0.00000 | 25833.5 | 7531.4 | 0.0 | U/P |
| 5.342 | 3.9264 | 0.0000 | 85.495 | 0.86149 | 0.00000 | 25951.3 | 7557.3 | 0.0 | U/P |
| 5.350 | 3.9275 | 0.0000 | 85.501 | 0.86256 | 0.00000 | 26069.1 | 7583.1 | 0.0 | U/P |
| 5.358 | 3.9285 | 0.0000 | 85.507 | 0.86363 | 0.00000 | 26186.9 | 7609.0 | 0.0 | U/P |
| 5.367 | 3.9294 | 0.0000 | 85.514 | 0.86470 | 0.00000 | 26304.8 | 7634.9 | 0.0 | U/P |
| 5.375 | 3.9304 | 0.0000 | 85.520 | 0.86576 | 0.00000 | 26422.7 | 7660.9 | 0.0 | U/P |
| 5,383 | 3.9313 | 0.0000 | 85.526 | 0.86683 | 0.00000 | 26540.6 | 7686.9 | 0.0 | U/P |
| 5.392 | 3.9321 | 0.0000 | 85.532 | 0.86789 | 0.00000 | 26658.5 | 7712.9 | 0.0 | U/P |
| 5.400 | 3.9330 | 0.0000 | 85.538 | 0.86896 | 0.00000 | 26776.5 | 7739.0 | 0.0 | U/P |
| 5.408 | 3.9338 | 0.0000 | 85.544 | 0.87002 | 0.00000 | 26894.5 | 7765.0 | 0.0 | U/P |
| 5.417 | 3.9346 | 0.0000 | 85.550 | 0.87108 | 0.00000 | 27012.5 | 7791.2 | 0.0 | U/P |
| 5.425 | 3.9354 | 0.0000 | 85.556 | 0.87213 | 0.00000 | 27130.6 | 7817.3 | 0.0 | U/P |
| 5.433 | 3.9361 | 0.0000 | 85.563 | 0.87319 | 0.00000 | 27248.7 | 7843.5 | 0.0 | U/P |
| 5.442 | 3.9369 | 0.0000 | 85.569 | 0.87425 | 0.00000 | 27366.8 | 7869.7 | 0.0 | U/P |
| 5.450 | 3.9376 | 0.0000 | 85.575 | 0.87530 | 0.00000 | 27484.9 | 7895.9 | 0.0 | U/P |
| 5.458 | 3.9383 | 0.0000 | 85.581 | 0.87635 | 0.00000 | 27603.0 | 7922.2 | 0.0 | U/P |
| 5.467 | 3.9390 | 0.0000 | 85.587 | 0.87741 | 0.00000 | 27721.2 | 7948.5 | 0.0 | U/P |
| 5.475 | 3.9397 | 0.0000 | 85.593 | 0.87846 | 0.00000 | 27839.4 | 7974.9 | 0.0 | U/P |
| 5.483 | 3.9404 | 0.0000 | 85.599 | 0.87950 | 0.00000 | 27957.6 | 8001.2 | 0.0 | U/P |
| 5.492 | 3.9411 | 0.0000 | 85.605 | 0.88055 | 0.00000 | 28075.8 | 8027.6 | 0.0 | U/P |
| 5.500 | 3.9417 | 0.0000 | 85.611 | 0.88160 | 0.00000 | 28194.0 | 8054.1 | 0.0 | U/P |
| 5.508 | 3.9423 | 0.0000 | 85.617 | 0.88264 | 0.00000 | 28312.3 | 8080.5 | 0.0 | U/P |
| 5.517 | 3.9430 | 0.0000 | 85.623 | 0.88368 | 0.00000 | 28430.6 | 8107.0 | 0.0 | U/P |
| 5.525 | 3.9436 | 0.0000 | 85.629 | 0.88473 | 0.00000 | 28548.9 | 8133.6 | 0.0 | U/P |
| 5.533 | 3.9442 | 0.0000 | 85.635 | 0.88577 | 0.00000 | 28667.2 | 8160.1 | 0.0 | U/P |
| 5.542 | 3.9448 | 0.0000 | 85.641 | 0.88681 | 0.00000 | 28785.5 | 8186.7 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate (ft3/s) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative knflow Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 5.550 | 3.9454 | 0.0000 | 85.647 | 0.88784 | 0.00000 | 28903.9 | 8213.3 | 0.0 | U/P |
| 5.558 | 3.9459 | 0.0000 | 85.653 | 0.88888 | 0.00000 | 29022.2 | 8240.0 | 0.0 | U/P |
| 5.567 | 3.9465 | 0.0000 | 85.659 | 0.88992 | 0.00000 | 29140.6 | 8266.6 | 0.0 | U/P |
| 5.575 | 3.9470 | 0.0000 | 85.665 | 0.89095 | 0.00000 | 29259.0 | 8293.4 | 0.0 | U/P |
| 5.583 | 3.9476 | 0.0000 | 85.671 | 0.89198 | 0.00000 | 29377.4 | 8320.1 | 0.0 | U/P |
| 5.592 | 3.9481 | 0.0000 | 85.677 | 0.89301 | 0.00000 | 29495.9 | 8346.9 | 0.0 | U/P |
| 5.600 | 3.9487 | 0.0000 | 85.683 | 0.89404 | 0.00000 | 29614.3 | 8373.7 | 0.0 | U/P |
| 5.608 | 3.9492 | 0.0000 | 85.689 | 0.89507 | 0.00000 | 29732.8 | 8400.5 | 0.0 | U/P |
| 5.617 | 3.9498 | 0.0000 | 85.695 | 0.89610 | 0.00000 | 29851.3 | 8427.4 | 0.0 | U/P |
| 5.625 | 3.9503 | 0.0000 | 85.700 | 0.89712 | 0.00000 | 29969.8 | 8454.3 | 0.0 | U/P |
| 5.633 | 3.9508 | 0.0000 | 85.706 | 0.89815 | 0.00000 | 30088.3 | 8481.2 | 0.0 | U/P |
| 5.642 | 3.9513 | 0.0000 | 85.712 | 0.89917 | 0.00000 | 30206.8 | 8508.2 | 0.0 | U/P |
| 5.650 | 3.9519 | 0.0000 | 85.718 | 0.90019 | 0.00000 | 30325.4 | 8535.2 | 0.0 | U/P |
| 5.658 | 3.9524 | 0.0000 | 85.724 | 0.90121 | 0.00000 | 30443.9 | 8562.2 | 0.0 | U/P |
| 5.667 | 3.9529 | 0.0000 | 85.730 | 0.90223 | 0.00000 | 30562.5 | 8589.2 | 0.0 | U/P |
| 5.675 | 3.9534 | 0.0000 | 85.736 | 0.90325 | 0.00000 | 30681.1 | 8616.3 | 0.0 | U/P |
| 5.683 | 3.9539 | 0.0000 | 85.742 | 0.90426 | 0.00000 | 30799.7 | 8643.4 | 0.0 | U/P |
| 5.692 | 3.9544 | 0.0000 | 85.747 | 0.90528 | 0.00000 | 30918.4 | 8670.6 | 0.0 | U/P |
| 5.700 | 3.9549 | 0.0000 | 85.753 | 0.90629 | 0.00000 | 31037.0 | 8697.8 | 0.0 | U/P |
| 5.708 | 3.9554 | 0.0000 | 85.759 | 0.90730 | 0.00000 | 31155.6 | 8725.0 | 0.0 | U/P |
| 5.717 | 3.9558 | 0.0000 | 85.765 | 0.90832 | 0.00000 | 31274.3 | 8752.2 | 0.0 | U/P |
| 5.725 | 3.9563 | 0.0000 | 85.771 | 0.90932 | 0.00000 | 31393.0 | 8779.5 | 0.0 | U/P |
| 5.733 | 3.9568 | 0.0000 | 85.777 | 0.91033 | 0.00000 | 31511.7 | 8806.8 | 0.0 | U/P |
| 5.742 | 3.9573 | 0.0000 | 85.782 | 0.91134 | 0.00000 | 31630.4 | 8834.1 | 0.0 | U/P |
| 5.750 | 3.9578 | 0.0000 | 85.788 | 0.91235 | 0.00000 | 31749.1 | 8861.4 | 0.0 | U/P |
| 5.758 | 3.9582 | 0.0000 | 85.794 | 0.91335 | 0.00000 | 31867.9 | 8888.8 | 0.0 | U/P |
| 5.767 | 3.9587 | 0.0000 | 85.800 | 0.91435 | 0.00000 | 31986.6 | 8916.2 | 0.0 | U/P |
| 5.775 | 3.9591 | 0.0000 | 85.805 | 0.91536 | 0.00000 | 32105.4 | 8943.7 | 0.0 | U/P |
| 5.783 | 3.9596 | 0.0000 | 85.811 | 0.91636 | 0.00000 | 32224.2 | 8971.2 | 0.0 | U/P |
| 5.792 | 3.9600 | 0.0000 | 85.817 | 0.91736 | 0.00000 | 32343.0 | 8998.7 | 0.0 | U/P |
| 5.800 | 3.9605 | 0.0000 | 85.823 | 0.91835 | 0.00000 | 32461.8 | 9026.2 | 0.0 | U/P |
| 5.808 | 3.9609 | 0.0000 | 85.828 | 0.91935 | 0.00000 | 32580.6 | 9053.8 | 0.0 | U/P |
| 5.817 | 3.9614 | 0.0000 | 85.834 | 0.92035 | 0.00000 | 32699.4 | 9081.4 | 0.0 | U/P |
| 5.825 | 3.9618 | 0.0000 | 85.840 | 0.92134 | 0.00000 | 32818.3 | 9109.0 | 0.0 | U/P |
| 5.833 | 3.9623 | 0.0000 | 85.846 | 0.92233 | 0.00000 | 32937.1 | 9136.6 | 0.0 | U/P |
| 5.842 | 3.9627 | 0.0000 | 85.851 | 0.92333 | 0.00000 | 33056.0 | 9164.3 | 0.0 | U/P |
| 5.850 | 3.9631 | 0.0000 | 85.857 | 0.92432 | 0.00000 | 33174.9 | 9192.0 | 0.0 | U/P |
| 5.858 | 3.9635 | 0.0000 | 85.863 | 0.92531 | 0.00000 | 33293.8 | 9219.8 | 0.0 | U/P |
| 5.867 | 3.9640 | 0.0000 | 85.869 | 0.92629 | 0.00000 | 33412.7 | 9247.6 | 0.0 | U/P |
| 5.875 | 3.9644 | 0.0000 | 85.874 | 0.92728 | 0.00000 | 33531.6 | 9275.4 | 0.0 | U/P |
| 5.883 | 3.9648 | 0.0000 | 85.880 | 0.92827 | 0.00000 | 33650.6 | 9303.2 | 0.0 | U/P |
| 5.892 | 3.9652 | 0.0000 | 85.886 | 0.92925 | 0.00000 | 33769.5 | 9331.1 | 0.0 | U/P |
| 5.900 | 3.9656 | 0.0000 | 85.891 | 0.93023 | 0.00000 | 33888.5 | 9358.9 | 0.0 | U/P |
| 5.908 | 3.9660 | 0.0000 | 85.897 | 0.93122 | 0.00000 | 34007.5 | 9386.9 | 0.0 | U/P |
| 5.917 | 3.9664 | 0.0000 | 85.903 | 0.93220 | 0.00000 | 34126.4 | 9414.8 | 0.0 | U/P |
| 5.925 | 3.9668 | 0.0000 | 85.908 | 0.93318 | 0.00000 | 34245.4 | 9442.8 | 0.0 | U/P |
| 5.933 | 3.9672 | 0.0000 | 85.914 | 0.93416 | 0.00000 | 34364.5 | 9470.8 | 0.0 | U/P |
| 5.942 | 3.9676 | 0.0000 | 85.919 | 0.93513 | 0.00000 | 34483.5 | 9498.8 | 0.0 | U/P |
| 5.950 | 3.9680 | 0.0000 | 85.925 | 0.93611 | 0.00000 | 34602.5 | 9526.9 | 0.0 | U/P |
| 5.958 | 3.9684 | 0.0000 | 85.931 | 0.93708 | 0.00000 | 34721.6 | 9555.0 | 0.0 | U/P |
| 5.967 | 3.9688 | 0.0000 | 85.936 | 0.93806 | 0.00000 | 34840.6 | 9583.1 | 0.0 | U/P |
| 5.975 | 3.9691 | 0.0000 | 85.942 | 0.93903 | 0.00000 | 34959.7 | 9611.3 | 0.0 | U/P |
| 5.983 | 3.9695 | 0.0000 | 85.947 | 0.94000 | 0.00000 | 35078.8 | 9639.5 | 0.0 | U/P |
| 5.992 | 3.9699 | 0.0000 | 85.953 | 0.94097 | 0.00000 | 35197.9 | 9667.7 | 0.0 | U/P |
| 6.000 | 3.9703 | 0.0000 | 85.959 | 0.94194 | 0.00000 | 35317.0 | 9695.9 | 0.0 | U/P |
| 6.008 | 3.9761 | 0.0000 | 85.964 | 0.94291 | 0.00000 | 35436.1 | 9724.2 | 0.0 | U/P |
| 6.017 | 3.9921 | 0.0000 | 85.970 | 0.94388 | 0.00000 | 35555.7 | 9752.5 | 0.0 | U/P |
| 6.025 | 4.0221 | 0.0000 | 85.975 | 0.94485 | 0.00000 | 35675.9 | 9780.8 | 0.0 | U/P |
| 6.033 | 4.0685 | 0.0000 | 85.981 | 0.94583 | 0.00000 | 35797.2 | 9809.2 | 0.0 | U/P |
| 6.042 | 4.1366 | 0.0000 | 85.987 | 0.94683 | 0.00000 | 35920.3 | 9837.6 | 0.0 | U/P |
| 6.050 | 4.2313 | 0.0000 | 85.993 | 0.94784 | 0.00000 | 36045.8 | 9866.0 | 0.0 | U/P |
| 6.058 | 4.3568 | 0.0000 | 85.999 | 0.94889 | 0.00000 | 36174.7 | 9894.5 | 0.0 | U/P |
| 6.067 | 4.5169 | 0.0000 | 86.005 | 0.94998 | 0.00000 | 36307.8 | 9923.0 | 0.0 | U/P |
| 6.075 | 4.7060 | 0.0000 | 86.012 | 0.95113 | 0.00000 | 36446.1 | 9951.5 | 0.0 | U/P |
| 6.083 | 4.9181 | 0.0000 | 86.019 | 0.95234 | 0.00000 | 36590.5 | 9980.0 | 0.0 | U/P |
| 6.092 | 5.1472 | 0.0000 | 86.027 | 0.95362 | 0.00000 | 36741.5 | 10008.6 | 0.0 | U/P |
| 6.100 | 5.3872 | 0.0000 | 86.034 | 0.95497 | 0.00000 | 36899.5 | 10037.2 | 0.0 | U/P |
| 6.108 | 5.6291 | 0.0000 | 86.043 | 0.95639 | 0.00000 | 37064.7 | 10065.9 | 0.0 | U/P |
| 6.117 | 5.8705 | 0.0000 | 86.051 | 0.95789 | 0.00000 | 37237.2 | 10094.6 | 0.0 | U/P |
| 6.125 | 6.1070 | 0.0000 | 86.060 | 0.95946 | 0.00000 | 37416.9 | 10123.4 | 0.0 | U/P |
| 6.133 | 6.3328 | 0.0000 | 86.070 | 0.96110 | 0.00000 | 37603.5 | 10152.2 | 0.0 | U/P |
| 6.142 | 6.5458 | 0.0000 | 86.080 | 0.96281 | 0.00000 | 37796.6 | 10181.0 | 0.0 | U/P |
| 6.150 | 6.7450 | 0.0000 | 86.090 | 0.96459 | 0.00000 | 37996.0 | 10210.0 | 0.0 | U/P |
| 6.158 | 6.9286 | 0.0000 | 86.101 | 0.96642 | 0.00000 | 38201.1 | 10238.9 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Outside Recharge (f/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / 5}$ ) | Cumulative Infiow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume $\left(\mathrm{ft}^{3}\right)$ | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 6.167 | 7.0940 | 0.0000 | 86.111 | 0.96831 | 0.00000 | 38411.5 | 10267.9 | 0.0 | U/P |
| 6.175 | 7.2377 | 0.0000 | 86.122 | 0.97025 | 0.00000 | 38626.4 | 10297.0 | 0.0 | U/P |
| 6.183 | 7.3620 | 0.0000 | 86.134 | 0.97222 | 0.00000 | 38845.4 | 10326.2 | 0.0 | U/P |
| 6.192 | 7.4701 | 0.0000 | 86.145 | 0.97423 | 0.00000 | 39067.9 | 10355.4 | 0.0 | U/P |
| 6.200 | 7.5654 | 0.0000 | 86.157 | 0.97628 | 0.00000 | 39293.4 | 10384.6 | 0.0 | U/P |
| 6.208 | 7.6499 | 0.0000 | 86.169 | 0.97834 | 0.00000 | 39521.7 | 10413.9 | 0.0 | U/P |
| 6.217 | 7.7247 | 0.0000 | 86.181 | 0.98043 | 0.00000 | 39752.3 | 10443.3 | 0.0 | U/P |
| 6.225 | 7.7913 | 0.0000 | 86.193 | 0.98254 | 0.00000 | 39985.0 | 10472.8 | 0.0 | U/P |
| 6.233 | 7.8513 | 0.0000 | 86.205 | 0.98466 | 0.00000 | 40219.7 | 10502.3 | 0.0 | U/P |
| 6.242 | 7.9046 | 0.0000 | 86.217 | 0.98679 | 0.00000 | 40456.0 | 10531.8 | 0.0 | U/P |
| 6.250 | 7.9521 | 0.0000 | 86.229 | 0.98894 | 0.00000 | 40693.9 | 10561.5 | 0.0 | U/P |
| 6.258 | 7.9941 | 0.0000 | 86.241 | 0.99110 | 0.00000 | 40933.0 | 10591.2 | 0.0 | U/P |
| 6.267 | 8.0307 | 0.0000 | 86.253 | 0.99326 | 0.00000 | 41173.4 | 10620.9 | 0.0 | U/P |
| 6.275 | 8.0637 | 0.0000 | 86.266 | 0.99543 | 0.00000 | 41414.8 | 10650.8 | 0.0 | U/P |
| 6.283 | 8.0930 | 0.0000 | 86.278 | 0.99761 | 0.00000 | 41657.2 | 10680.7 | 0.0 | U/P |
| 6.292 | 8.1190 | 0.0000 | 86.290 | 0.99978 | 0.00000 | 41900.4 | 10710.6 | 0.0 | U/P |
| 6.300 | 8.1423 | 0.0000 | 86.303 | 1.00197 | 0.00000 | 42144.3 | 10740.7 | 0.0 | U/P |
| 6.308 | 8.1629 | 0.0000 | 86.315 | 1.00415 | 0.00000 | 42388.9 | 10770.7 | 0.0 | U/P |
| 6.317 | 8.1812 | 0.0000 | 86.327 | 1.00633 | 0.00000 | 42634.0 | 10800.9 | 0.0 | U/P |
| 6.325 | 8.1975 | 0.0000 | 86.340 | 1.00852 | 0.00000 | 42879.7 | 10831.1 | 0.0 | U/P |
| 6.333 | 8.2117 | 0.0000 | 86.352 | 1.01070 | 0.00000 | 43125.8 | 10861.4 | 0.0 | U/P |
| 6.342 | 8.2247 | 0.0000 | 86.364 | 1.01288 | 0.00000 | 43372.4 | 10891.8 | 0.0 | U/P |
| 6.350 | 8.2362 | 0.0000 | 86.377 | 1.01506 | 0.00000 | 43619.3 | 10922.2 | 0.0 | U/P |
| 6.358 | 8.2465 | 0.0000 | 86.389 | 1.01724 | 0.00000 | 43866.5 | 10952.7 | 0.0 | U/P |
| 6.367 | 8.2558 | 0.0000 | 86.401 | 1.01942 | 0.00000 | 44114.1 | 10983.2 | 0.0 | U/P |
| 6.375 | 8.2641 | 0.0000 | 86.414 | 1.02159 | 0.00000 | 44361.9 | 11013.8 | 0.0 | U/P |
| 6.383 | 8.2715 | 0.0000 | 86.426 | 1.02376 | 0.00000 | 44609.9 | 11044.5 | 0.0 | U/P |
| 6.392 | 8.2783 | 0.0000 | 86.438 | 1.02593 | 0.00000 | 44858.2 | 11075.3 | 0.0 | U/P |
| 6.400 | 8.2842 | 0.0000 | 86.451 | 1.02810 | 0.00000 | 45106.6 | 11106.1 | 0.0 | U/P |
| 6.408 | 8.2897 | 0.0000 | 86.463 | 7.03026 | 0.00000 | 45355.2 | 11136.9 | 0.0 | U/P |
| 6.417 | 8.2945 | 0.0000 | 86.475 | 1.03242 | 0.00000 | 45604.0 | 11167.9 | 0.0 | U/P |
| 6.425 | 8.2989 | 0.0000 | 86.487 | 1.03457 | 0.00000 | 45852.9 | 11198.9 | 0.0 | U/P |
| 6.433 | 8.3029 | 0.0000 | 86.499 | 1.03672 | 0.00000 | 46101.9 | 11230.0 | 0.0 | U/P |
| 6.442 | 8.3065 | 0.0000 | 86.512 | 1.03887 | 0.00000 | 46351.0 | 11261.1 | 0.0 | U/P |
| 6.450 | 8.3099 | 0.0000 | 86.524 | 1.04101 | 0.00000 | 46600.3 | 11292.3 | 0.0 | U/P |
| 6.458 | 8.3130 | 0.0000 | 86.536 | 1.04315 | 0.00000 | 46849.6 | \$1323.6 | 0.0 | U/P |
| 6.467 | 8.3159 | 0.0000 | 86.548 | 1.04529 | 0.00000 | 47099.1 | 11354.9 | 0.0 | U/P |
| 6.475 | 8.3186 | 0.0000 | 86.560 | 1.04742 | 0.00000 | 47348.6 | 11386.3 | 0.0 | U/P |
| 6.483 | 8.3210 | 0.0000 | 86.572 | 1.04954 | 0.00000 | 47598.2 | 11417.7 | 0.0 | U/P |
| 6.492 | 8.3233 | 0.0000 | 86.584 | 1.05166 | 0.00000 | 47847.8 | 11449.2 | 0.0 | U/P |
| 6.500 | 8.3252 | 0.0000 | 86.596 | 1.05378 | 0.00000 | 48097.6 | 11480.8 | 0.0 | U/P |
| 6.508 | 8.3277 | 0.0000 | 86.608 | 1.05590 | 0.00000 | 48347.4 | 11512.5 | 0.0 | U/P |
| 6.517 | 8.3318 | 0.0000 | 86.620 | 1.05801 | 0.00000 | 48597.3 | 11544.2 | 0.0 | U/P |
| 6.525 | 8.3386 | 0.0000 | 86.632 | 1.06011 | 0.00000 | 48847.3 | 11576.0 | 0.0 | U/P |
| 6.533 | 8.3486 | 0.0000 | 86.644 | 1.06222 | 0.00000 | 49097.6 | 11607.8 | 0.0 | U/P |
| 6.542 | 8.3630 | 0.0000 | 86.655 | 1.06432 | 0.00000 | 49348.3 | 11639.7 | 0.0 | U/P |
| 6.550 | 8.3828 | 0.0000 | 86.667 | 1.06642 | 0.00000 | 49599.5 | 11671.6 | 0.0 | U/P |
| 6.558 | 8.4091 | 0.0000 | 86.679 | 1.06852 | 0.00000 | 49851.4 | 11703.7 | 0.0 | U/P |
| 6.567 | 8.4431 | 0.0000 | 86.691 | 1.07063 | 0.00000 | 50104.1 | 11735.8 | 0.0 | U/P |
| 6.575 | 8.4844 | 0.0000 | 86.703 | 1.07274 | 0.00000 | 50358.1 | 11767.9 | 0.0 | U/P |
| 6.583 | 8.5317 | 0.0000 | 86.715 | 1.07485 | 0.00000 | 50613.3 | 11800.1 | 0.0 | U/P |
| 6.592 | 8.5836 | 0.0000 | 86.727 | 1.07698 | 0.00000 | 50870.0 | 11832.4 | 0.0 | U/P |
| 6.600 | 8.6387 | 0.0000 | 86.739 | 1.07911 | 0.00000 | 51128.4 | 11864.7 | 0.0 | U/P |
| 6.608 | 8.6953 | 0.0000 | 86.752 | 1.08126 | 0.00000 | 51388.4 | 11897.1 | 0.0 | U/P |
| 6.617 | 8.7520 | 0.0000 | 86.764 | 1.08342 | 0.00000 | 51650.1 | 11929.6 | 0.0 | U/P |
| 6.625 | 8.8080 | 0.0000 | 86.776 | 1.08559 | 0.00000 | 51913.5 | \$1962.2 | 0.0 | U/P |
| 6.633 | 8.8622 | 0.0000 | 86.788 | 1.08776 | 0.00000 | 52178.5 | 11994.8 | 0.0 | U/P |
| 6.642 | 8.9136 | 0.0000 | 86.801 | 1.08995 | 0.00000 | 52445.2 | 12027.4 | 0.0 | U/P |
| 6.650 | 8.9619 | 0.0000 | 86.813 | 1.09215 | 0.00000 | 52713.3 | 12060.1 | 0.0 | U/P |
| 6.658 | 9.0068 | 0.0000 | 86.826 | 1.09436 | 0.00000 | 52982.8 | 12092.9 | 0.0 | U/P |
| 6.667 | 9.0478 | 0.0000 | 86.838 | 1.09657 | 0.00000 | 53253.7 | 12125.8 | 0.0 | U/P |
| 6.675 | 9.0840 | 0.0000 | 86.851 | 1.09879 | 0.00000 | 53525.6 | 12158.7 | 0.0 | U/P |
| 6.683 | 9.1155 | 0.0000 | 86.864 | 1.10102 | 0.00000 | 53798.6 | 12191.7 | 0.0 | U/P |
| 6.692 | 9.1429 | 0.0000 | 86.876 | 1.10325 | 0.00000 | 54072.5 | 12224.8 | 0.0 | U/P |
| 6.700 | 9.1669 | 0.0000 | 86.889 | 1.10548 | 0.00000 | 54347.1 | 12257.9 | 0.0 | U/P |
| 6.708 | 9.1882 | 0.0000 | 86.902 | 1.10771 | 0.00000 | 54622.5 | 12291.1 | 0.0 | U/P |
| 6.717 | 9.2071 | 0.0000 | 86.914 | 1.10995 | 0.00000 | 54898.4 | 12324.4 | 0.0 | $U / P$ |
| 6.725 | 9.2239 | 0.0000 | 86.927 | 1.11218 | 0.00000 | 55174.9 | 12357.7 | 0.0 | U/P |
| 6.733 | 9.2390 | 0.0000 | 86.940 | 1.11442 | 0.00000 | 55451.8 | 12391.1 | 0.0 | U/P |
| 6.742 | 9.2526 | 0.0000 | 86.952 | 1.11665 | 0.00000 | 55729.2 | 12424.6 | 0.0 | U/P |
| 6.750 | 9.2647 | 0.0000 | 86.965 | $\uparrow .11888$ | 0.00000 | 56006.9 | 12458.1 | 0.0 | U/P |
| 6.758 | 9.2754 | 0.0000 | 86.977 | 1.12111 | 0.00000 | 56285.0 | 12491.7 | 0.0 | U/P |
| 6.767 | 9.2849 | 0.0000 | 86.990 | 1.12334 | 0.00000 | 56563.5 | 12525.4 | 0.0 | U/P |
| 6.775 | 9.2934 | 0.0000 | 87.003 | 1.12557 | 0.00000 | 56842.1 | 12559.1 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate $\left(\mathrm{ft}^{1 / 3} \mathrm{~s}\right)$ | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative inflow <br> Volume ( $\mathrm{ff}^{3}$ ) | Cumulative Infiltration Votume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 6.783 | 9.3010 | 0.0000 | 87.015 | 1.12782 | 0.00000 | 57121.0 | 12592.9 | 0.0 | U/P |
| 6.792 | 9.3078 | 0.0000 | 87.028 | 1.13008 | 0.00000 | 57400.2 | 12626.8 | 0.0 | U/P |
| 6.800 | 9.3139 | 0.0000 | 87.040 | 1.13234 | 0.00000 | 57679.5 | 12660.7 | 0.0 | U/P |
| 6.808 | 9.3193 | 0.0000 | 87.053 | 1.13459 | 0.00000 | 57959.0 | 12694.7 | 0.0 | U/P |
| 6.817 | 9.3242 | 0.0000 | 87.065 | 1.13684 | 0.00000 | 58238.7 | 12728.8 | 0.0 | U/P |
| 6.825 | 9.3286 | 0.0000 | 87.078 | 1.13909 | 0.00000 | 58518.4 | 12762.9 | 0.0 | U/P |
| 6.833 | 9.3325 | 0.0000 | 87.090 | 1.14133 | 0.00000 | 58798.4 | 12797.2 | 0.0 | U/P |
| 6.842 | 9.3360 | 0.0000 | 87.103 | 1.14357 | 0.00000 | 59078.4 | 12831.4 | 0.0 | U/P |
| 6.850 | 9.3392 | 0.0000 | 87.115 | 1.14580 | 0.00000 | 59358.5 | 12865.8 | 0.0 | U/P |
| 6.858 | 9.3421 | 0.0000 | 87.128 | 1.14803 | 0.00000 | 59638.7 | 12900.2 | 0.0 | U/P |
| 6.867 | 9.3447 | 0.0000 | 87.140 | 1.15026 | 0.00000 | 59919.0 | 12934.6 | 0.0 | U/P |
| 6.875 | 9.3471 | 0.0000 | 87.152 | 1.15248 | 0.00000 | 60199.4 | 12969.2 | 0.0 | U/P |
| 6.883 | 9.3492 | 0.0000 | 87.165 | 1.15470 | 0.00000 | 60479.9 | 13003.8 | 0.0 | U/P |
| 6.892 | 9.3512 | 0.0000 | 87.177 | 1.15691 | 0.00000 | 60760.4 | 13038.5 | 0.0 | U/P |
| 6.900 | 9.3530 | 0.0000 | 87.189 | 1.15912 | 0.00000 | 61040.9 | 13073.2 | 0.0 | U/P |
| 6.908 | 9.3546 | 0.0000 | 87.201 | 1.16133 | 0.00000 | 61321.5 | 13108.0 | 0.0 | U/P |
| 6.917 | 9.3561 | 0.0000 | 87.214 | 1.16353 | 0.00000 | 61602.2 | 13142.9 | 0.0 | U/P |
| 6.925 | 9.3575 | 0.0000 | 87.226 | 1.16573 | 0.00000 | 61882.9 | 13177.8 | 0.0 | U/P |
| 6.933 | 9.3588 | 0.0000 | 87.238 | 1.16792 | 0.00000 | 62163.7 | 13212.8 | 0.0 | U/P |
| 6.942 | 9.3600 | 0.0000 | 87.250 | 1.17011 | 0.00000 | 62444.4 | 13247.9 | 0.0 | U/P |
| 6.950 | 9.3611 | 0.0000 | 87.262 | 1.17229 | 0.00000 | 62725.3 | 13283.0 | 0.0 | U/P |
| 6.958 | 9.3622 | 0.0000 | 87.274 | 1.17447 | 0.00000 | 63006.1 | 13318.2 | 0.0 | U/P |
| 6.967 | 9.3632 | 0.0000 | 87.286 | 1.17664 | 0.00000 | 63287.0 | 13353.5 | 0.0 | U/P |
| 6.975 | 9.3641 | 0.0000 | 87.298 | 1.17882 | 0.00000 | 63567.9 | 13388.8 | 0.0 | U/P |
| 6.983 | 9.3650 | 0.0000 | 87.311 | 1.48098 | 0.00000 | 63848.8 | 13424.2 | 0.0 | U/P |
| 6.992 | 9.3659 | 0.0000 | 87.323 | 1.18314 | 0.00000 | 64129.8 | 13459.7 | 0.0 | U/P |
| 7.000 | 9.3666 | 0.0000 | 87.335 | 1.18530 | 0.00000 | 64410.8 | 13495.2 | 0.0 | U/P |
| 7.008 | 9.3675 | 0.0000 | 87.346 | \$. 18745 | 0.00000 | 64691.8 | 13530.8 | 0.0 | U/P |
| 7.017 | 9.3718 | 0.0000 | 87.358 | \$. 18960 | 0.00000 | 64972.9 | 13566.5 | 0.0 | U/P |
| 7.025 | 9.3826 | 0.0000 | 87.370 | 1.19175 | 0.00000 | 65254.2 | 13602.2 | 0.0 | U/P |
| 7.033 | 9.4020 | 0.0000 | 87.382 | 1.19390 | 0.00000 | 65536.0 | 13638.0 | 0.0 | U/P |
| 7.042 | 9.4316 | 0.0000 | 87.394 | 1.19604 | 0.00000 | 65818.5 | 13673.8 | 0.0 | U/P |
| 7.050 | 9.4749 | 0.0000 | 87.406 | 1.19819 | 0.00000 | 66102.1 | 13709.7 | 0.0 | U/P |
| 7.058 | 9.5348 | 0.0000 | 87.418 | 1.20035 | 0.00000 | 66387.2 | 13745.7 | 0.0 | U/P |
| 7.067 | 9.6139 | 0.0000 | 87.430 | 1.20251 | 0.00000 | 66674.4 | 13781.8 | 0.0 | U/P |
| 7.075 | 9.7143 | 0.0000 | 87.442 | 1.20470 | 0.00000 | 66964.4 | 13817.9 | 0.0 | U/P |
| 7.083 | 9.8326 | 0.0000 | 87.455 | 1.20690 | 0.00000 | 67257.6 | 13854.0 | 0.0 | U/P |
| 7.092 | 9.9651 | 0.0000 | 87.467 | 1.20913 | 0.00000 | 67554.5 | 13890.3 | 0.0 | U/P |
| 7.100 | 10.1079 | 0.0000 | 87.480 | 1.21139 | 0.00000 | 67855.6 | 13926.6 | 0.0 | U/P |
| 7.108 | 10.2573 | 0.0000 | 87.493 | 1.21368 | 0.00000 | 68161.1 | 13963.0 | 0.0 | U/P |
| 7.117 | 10.4078 | 0.0000 | 87.506 | 1.21601 | 0.00000 | 68471.1 | 13999.4 | 0.0 | U/P |
| 7.125 | 10.5578 | 0.0000 | 87.519 | 1.21837 | 0.00000 | 68785.6 | 14035.9 | 0.0 | U/P |
| 7.133 | 10.7046 | 0.0000 | 87.532 | 1.22076 | 0.00000 | 69104.5 | 14072.5 | 0.0 | U/P |
| 7.142 | 10.8447 | 0.0000 | 87.546 | 1.22318 | 0.00000 | 69427.7 | 14109.2 | 0.0 | U/P |
| 7.150 | 10.9768 | 0.0000 | 87.560 | 1.22563 | 0.00000 | 69755.1 | 14145.9 | 0.0 | U/P |
| 7.158 | 11.1002 | 0.0000 | 87.573 | 1.22811 | 0.00000 | 70086.2 | 14182.7 | 0.0 | U/P |
| 7.167 | 11.2138 | 0.0000 | 87.587 | 1.23062 | 0.00000 | 70420.9 | 14219.6 | 0.0 | U/P |
| 7.175 | 11.3161 | 0.0000 | 87.602 | 1.23315 | 0.00000 | 70758.9 | 14256.5 | 0.0 | U/P |
| 7.183 | 11.4048 | 0.0000 | 87.616 | 1.23570 | 0.00000 | 71099.7 | 14293.6 | 0.0 | U/P |
| 7.192 | 11.4817 | 0.0000 | 87.630 | 1.23827 | 0.00000 | 71443.0 | 14330.7 | 0.0 | U/P |
| 7.200 | 11.5484 | 0.0000 | 87.645 | 1.24085 | 0.00000 | 71788.4 | 14367.9 | 0.0 | U/P |
| 7.208 | 11.6073 | 0.0000 | 87.659 | 1.24344 | 0.00000 | 72135.8 | 14405.1 | 0.0 | U/P |
| 7.217 | 11.6595 | 0.0000 | 87.673 | 1.24604 | 0.00000 | 72484.8 | 14442.5 | 0.0 | U/P |
| 7.225 | 11.7057 | 0.0000 | 87.688 | 1.24864 | 0.00000 | 72835.3 | 14479.9 | 0.0 | U/P |
| 7.233 | 11.7468 | 0.0000 | 87.702 | 1.25126 | 0.00000 | 73187.0 | 14517.4 | 0.0 | U/P |
| 7.242 | 11.7838 | 0.0000 | 87.717 | 1.25387 | 0.00000 | 73540.0 | 14555.0 | 0.0 | U/P |
| 7.250 | 11.8166 | 0.0000 | 87.732 | 1.25649 | 0.00000 | 73894.0 | 14592.6 | 0.0 | U/P |
| 7.258 | 11.8459 | 0.0000 | 87.746 | 1.25911 | 0.00000 | 74248.9 | 14630.4 | 0.0 | U/P |
| 7.267 | 11.8717 | 0.0000 | 87.761 | 1.26174 | 0.00000 | 74604.7 | 14668.2 | 0.0 | U/P |
| 7.275 | 11.8943 | 0.0000 | 87.775 | 1.26436 | 0.00000 | 74961.2 | 14706.1 | 0.0 | U/P |
| 7.283 | 11.9145 | 0.0000 | 87.790 | 1.26698 | 0.00000 | 75318.3 | 14744.0 | 0.0 | U/P |
| 7.292 | 11.9325 | 0.0000 | 87.804 | 1.26960 | 0.00000 | 75676.0 | 14782.1 | 0.0 | U/P |
| 7.300 | 11.9485 | 0.0000 | 87.819 | 1.27222 | 0.00000 | 76034.3 | 14820.2 | 0.0 | U/P |
| 7.308 | 11.9628 | 0.0000 | 87.834 | 1.27484 | 0.00000 | 76392.9 | 14858.4 | 0.0 | U/P |
| 7.317 | 11.9753 | 0.0000 | 87.848 | 1.27745 | 0.00000 | 76752.0 | 14896.7 | 0.0 | U/P |
| 7.325 | 11.9865 | 0.0000 | 87.863 | 1.28007 | 0.00000 | 77111.4 | 14935.1 | 0.0 | U/P |
| 7.333 | 11.9965 | 0.0000 | 87.877 | 1.28268 | 0.00000 | 77471.2 | 14973.5 | 0.0 | U/P |
| 7.342 | 12.0052 | 0.0000 | 87.892 | 1.28528 | 0.00000 | 77831.2 | 15012.0 | 0.0 | U/P |
| 7.350 | 12.0130 | 0.0000 | 87.906 | 1.28788 | 0.00000 | 78191.5 | 15050.6 | 0.0 | U/P |
| 7.358 | 12.0200 | 0.0000 | 87.921 | 1.29048 | 0.00000 | 78552.0 | 15089.3 | 0.0 | U/P |
| 7.367 | \$2.0263 | 0.0000 | 87.935 | 1.29307 | 0.00000 | 78912.7 | 15128.1 | 0.0 | U/P |
| 7.375 | 12.0319 | 0.0000 | 87.949 | 1.29566 | 0.00000 | 79273.5 | 15166.9 | 0.0 | U/P |
| 7.383 | 12.0369 | 0.0000 | 87.964 | 1.29825 | 0.00000 | 79634.6 | 15205.8 | 0.0 | U/P |
| 7.392 | 12.0414 | 0.0000 | 87.978 | 1.30083 | 0.00000 | 79995.7 | 15244.8 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/overflow

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (fl datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{t}^{3}$ ) | Cumulative Discharge Volume (fis) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 7.400 | 12.0454 | 0.0000 | 87.992 | 1.30340 | 0.00000 | 80357.0 | 15283.8 | 0.0 | U/P |
| 7.408 | 12.0490 | 0.0000 | 88.007 | 1.30599 | 0.00000 | 80718.5 | 15323.0 | 0.0 | U/P |
| 7.417 | 12.0522 | 0.0000 | 88.021 | 1.30859 | 0.00000 | 81080.0 | 15362.2 | 0.0 | U/P |
| 7.425 | 12.0551 | 0.0000 | 88.035 | 1.31119 | 0.00000 | 81441.6 | 15401.5 | 0.0 | U/P |
| 7.433 | 12.0577 | 0.0000 | 88.049 | 1.31380 | 0.00000 | 81803.3 | 15440.9 | 0.0 | U/P |
| 7.442 | 12.0601 | 0.0000 | 88.063 | 1.31639 | 0.00000 | 82165.0 | 15480.3 | 0.0 | U/P |
| 7.450 | 12.0622 | 0.0000 | 88.078 | 1.31898 | 0.00000 | 82526.9 | 15519.9 | 0.0 | U/P |
| 7.458 | 12.0642 | 0.0000 | 88.092 | 1.32157 | 0.00000 | 82888.8 | 15559.5 | 0.0 | U/P |
| 7.467 | 12.0660 | 0.0000 | 88.106 | 1.32415 | 0.00000 | 83250.7 | 15599.2 | 0.0 | U/P |
| 7.475 | 12.0677 | 0.0000 | 88.120 | 1.32673 | 0.00000 | 83612.7 | 15638.9 | 0.0 | U/P |
| 7.483 | 12.0692 | 0.0000 | 88.134 | 1.32930 | 0.00000 | 83974.8 | 15678.8 | 0.0 | U/P |
| 7.492 | 12.0706 | 0.0000 | 88.148 | 1.33187 | 0.00000 | 84336.9 | 15718.7 | 0.0 | U/P |
| 7.500 | 12.0719 | 0.0000 | 88.162 | 1.33443 | 0.00000 | 84699.0 | 15758.7 | 0.0 | U/P |
| 7.508 | 12.0730 | 0.0000 | 88.176 | 1.33698 | 0.00000 | 85061.2 | 15798.7 | 0.0 | U/P |
| 7.517 | 12.0763 | 0.0000 | 88.190 | 1.33953 | 0.00000 | 85423.4 | 15838.9 | 0.0 | U/P |
| 7.525 | 12.0856 | 0.0000 | 88.204 | 1.34208 | 0.00000 | 85785.8 | 15879.1 | 0.0 | U/P |
| 7.533 | 12.1041 | 0.0000 | 88.217 | 1.34462 | 0.00000 | 86148.7 | 15919.4 | 0.0 | U/P |
| 7.542 | 12.1340 | 0.0000 | 88.231 | 1.34716 | 0.00000 | 86512.3 | 15959.8 | 0.0 | U/P |
| 7.550 | 12.1784 | 0.0000 | 88.245 | 1.34971 | 0.00000 | 86877.0 | 16000.2 | 0.0 | U/P |
| 7.558 | 12.2410 | 0.0000 | 88.259 | 1.35226 | 0.00000 | 87243.2 | 16040.8 | 0.0 | U/P |
| 7.567 | 12.3255 | 0.0000 | 88.273 | 1.35481 | 0.00000 | 87611.7 | 16081.4 | 0.0 | U/P |
| 7.575 | 12.4347 | 0.0000 | 88.287 | 1.35739 | 0.00000 | 87983.1 | 16122.1 | 0.0 | U/P |
| 7.583 | 12.5676 | 0.0000 | 88.302 | 1.35998 | 0.00000 | 88358.2 | 16162.8 | 0.0 | U/P |
| 7.592 | 12.7198 | 0.0000 | 88.316 | 1.36260 | 0.00000 | 88737.5 | 16203.7 | 0.0 | U/P |
| 7.600 | 12.8868 | 0.0000 | 88.330 | 1.36525 | 0.00000 | 89121.6 | 16244.6 | 0.0 | U/P |
| 7.608 | 13.0640 | 0.0000 | 88.345 | 1.36793 | 0.00000 | 89510.8 | 16285.6 | 0.0 | U/P |
| 7.617 | 13.2456 | 0.0000 | 88.360 | 1.37064 | 0.00000 | 89905.5 | 16326.7 | 0.0 | U/P |
| 7.625 | 13.4275 | 0.0000 | 88.375 | 1.37339 | 0.00000 | 90305.6 | 16367.8 | 0.0 | U/P |
| 7.633 | 13.6072 | 0.0000 | 88.391 | 1.37618 | 0.00000 | 90711.1 | 16409.1 | 0.0 | U/P |
| 7.642 | 13.7807 | 0.0000 | 88.406 | 1.37900 | 0.00000 | 91121.9 | 16450.4 | 0.0 | U/P |
| 7.650 | 13.9452 | 0.0000 | 88.422 | 1.38186 | 0.00000 | 91537.8 | 16491.8 | 0.0 | U/P |
| 7.658 | 14.0997 | 0.0000 | 88.438 | 1.38474 | 0.00000 | 91958.5 | 16533.3 | 0.0 | U/P |
| 7.667 | 14.2429 | 0.0000 | 88.454 | 1.38766 | 0.00000 | 92383.6 | 16574.9 | 0.0 | U/P |
| 7.675 | 14.3733 | 0.0000 | 88.470 | 1.39060 | 0.00000 | 92812.9 | 16616.6 | 0.0 | U/P |
| 7.683 | 14.4884 | 0.0000 | 88.486 | 1.39356 | 0.00000 | 93245.8 | 16658.3 | 0.0 | U/P |
| 7.692 | 14.5882 | 0.0000 | 88.502 | 1.39655 | 0.00000 | 93682.0 | 16700.2 | 0.0 | U/P |
| 7.700 | 14.6747 | 0.0000 | 88.519 | 1.39955 | 0.00000 | 94120.9 | 16742.1 | 0.0 | U/P |
| 7.708 | 14.7504 | 0.0000 | 88.535 | 1.40256 | 0.00000 | 94562.3 | 16784.1 | 0.0 | U/P |
| 7.717 | 14.8173 | 0.0000 | 88.552 | 1.40558 | 0.00000 | 95005.8 | 16826.3 | 0.0 | U/P |
| 7.725 | 14.8765 | 0.0000 | 88.568 | 1.40861 | 0.00000 | 95451.2 | 16868.5 | 0.0 | U/P |
| 7.733 | 14.9290 | 0.0000 | 88.585 | 1.41164 | 0.00000 | 95898.3 | 16910.8 | 0.0 | U/P |
| 7.742 | 14.9760 | 0.0000 | 88.601 | 1.41468 | 0.00000 | 96346.8 | 16953.2 | 0.0 | U/P |
| 7.750 | 15.0180 | 0.0000 | 88.618 | 1.41773 | 0.00000 | 96796.8 | 16995.7 | 0.0 | U/P |
| 7.758 | 15.0553 | 0.0000 | 88.635 | 1.42077 | 0.00000 | 97247.9 | 17038.2 | 0.0 | U/P |
| 7.767 | 15.0884 | 0.0000 | 88.651 | 1.42382 | 0.00000 | 97700.0 | 17080.9 | 0.0 | U/P |
| 7.775 | 15.1174 | 0.0000 | 88.668 | 1.42687 | 0.00000 | 98153.1 | 17123.7 | 0.0 | U/P |
| 7.783 | 15.1431 | 0.0000 | 88.685 | 1.42991 | 0.00000 | 98607.0 | 17166.5 | 0.0 | U/P |
| 7.792 | 15.1660 | 0.0000 | 88.701 | 1.43296 | 0.00000 | 99061.6 | 17209.5 | 0.0 | U/P |
| 7.800 | 15.1863 | 0.0000 | 88.718 | 1.43600 | 0.00000 | 99516.9 | 17252.5 | 0.0 | U/P |
| 7.808 | 15.2044 | 0.0000 | 88.734 | 1.43904 | 0.00000 | 99972.8 | 17295.6 | 0.0 | U/P |
| 7.817 | 15.2204 | 0.0000 | 88.751 | 1.44208 | 0.00000 | 100429.2 | 17338.8 | 0.0 | U/P |
| 7.825 | 15.2345 | 0.0000 | 88.768 | 1.44512 | 0.00000 | 100886.0 | 17382.1 | 0.0 | U/P |
| 7.833 | 15.2471 | 0.0000 | 88.784 | 1.44815 | 0.00000 | 101343.2 | 17425.5 | 0.0 | U/P |
| 7.842 | 15.2582 | 0.0000 | 88.801 | 1.45117 | 0.00000 | 101800.8 | 17469.0 | 0.0 | U/P |
| 7.850 | 15.2680 | 0.0000 | 88.817 | 1.45419 | 0.00000 | 102258.7 | 17512.6 | 0.0 | U/P |
| 7.858 | 15.2768 | 0.0000 | 88.834 | 1.45721 | 0.00000 | 102716.9 | 17556.3 | 0.0 | U/P |
| 7.867 | 15.2846 | 0.0000 | 88.850 | 1.46022 | 0.00000 | 103175.3 | 17600.1 | 0.0 | U/P |
| 7.875 | 15.2916 | 0.0000 | 88.866 | 1.46323 | 0.00000 | 103633.9 | 17643.9 | 0.0 | U/P |
| 7.883 | 15.2978 | 0.0000 | 88.883 | 1.46623 | 0.00000 | 104092.8 | 17687.8 | 0.0 | U/P |
| 7.892 | 15.3033 | 0.0000 | 88.899 | 1.46922 | 0.00000 | 104551.8 | 17731.9 | 0.0 | U/P |
| 7.900 | 15.3083 | 0.0000 | 88.916 | 1.47221 | 0.00000 | 105010.9 | 17776.0 | 0.0 | U/P |
| 7.908 | 15.3127 | 0.0000 | 88.932 | 1.47520 | 0.00000 | 105470.3 | 17820.2 | 0.0 | U/P |
| 7.917 | 15.3166 | 0.0000 | 88.948 | 1.47818 | 0.00000 | 105929.7 | 17864.5 | 0.0 | U/P |
| 7.925 | 15.3202 | 0.0000 | 88.964 | 1.48115 | 0.00000 | 106389.3 | 17908.9 | 0.0 | U/P |
| 7.933 | 15.3233 | 0.0000 | 88.980 | 1.48412 | 0.00000 | 106848.9 | 17953.4 | 0.0 | U/P |
| 7.942 | 15.3261 | 0.0000 | 88.997 | 1.48708 | 0.00000 | 107308.6 | 17997.9 | 0.0 | U/P |
| 7.950 | 15.3286 | 0.0000 | 89.013 | 1.49005 | 0.00000 | 107768.5 | 18042.6 | 0.0 | U/P |
| 7.958 | 15.3309 | 0.0000 | 89.029 | 1.49305 | 0.00000 | 108228.4 | 18087.4 | 0.0 | U/P |
| 7.967 | 15.3331 | 0.0000 | 89.045 | 1.49604 | 0.00000 | 108688.3 | 18132.2 | 0.0 | U/P |
| 7.975 | 15.3350 | 0.0000 | 89.061 | 1.49903 | 0.00000 | 109148.3 | 18177.1 | 0.0 | U/P |
| 7.983 | 15.3368 | 0.0000 | 89.077 | 1.50201 | 0.00000 | 109608.4 | 18222.1 | 0.0 | U/P |
| 7.992 | 15.3384 | 0.0000 | 89.093 | 1.50499 | 0.00000 | 110068.5 | 18267.2 | 0.0 | U/P |
| 8.000 | 15.3437 | 0.0000 | 89.109 | \$.50796 | 0.00000 | 110528.8 | 18312.4 | 0.0 | U/P |
| 8.008 | \$5.3561 | 0.0000 | 89.125 | 1.51092 | 0.00000 | 110989.3 | 18357.7 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate (fi3/s) | Overfow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume (f13) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 8.017 | 15.3784 | 0.0000 | 89.141 | 1.51389 | 0.00000 | 111450.3 | 18403.1 | 0.0 | U/P |
| 8.025 | 15.4123 | 0.0000 | 89.156 | 1.51685 | 0.00000 | 111912.1 | 18448.5 | 0.0 | U/P |
| 8.033 | 15.4618 | 0.0000 | 89.172 | 1.51981 | 0.00000 | 112375.3 | 18494.1 | 0.0 | U/P |
| 8.042 | 15.5303 | 0.0000 | 89.188 | 1.52277 | 0.00000 | 112840.1 | 18539.7 | 0.0 | U/P |
| 8.050 | 15.6210 | 0.0000 | 89.204 | 1.52574 | 0.00000 | 113307.4 | 18585.5 | 0.0 | U/P |
| 8.058 | 15.7366 | 0.0000 | 89.220 | 1.52873 | 0.00000 | 113777.8 | 18631.3 | 0.0 | U/P |
| 8.067 | 15.8733 | 0.0000 | 89.237 | 1.53173 | 0.00000 | 114251.9 | 18677.2 | 0.0 | U/P |
| 8.075 | 16.0268 | 0.0000 | 89.253 | 1.53476 | 0.00000 | 114730.4 | 18723.2 | 0.0 | U/P |
| 8.083 | 16.1928 | 0.0000 | 89.269 | 1.53781 | 0.00000 | 115213.7 | 18769.3 | 0.0 | U/P |
| 8.092 | 16.3670 | 0.0000 | 89.286 | 1.54089 | 0.00000 | 115702.1 | 18815.5 | 0.0 | U/P |
| 8.100 | 16.5427 | 0.0000 | 89.303 | 1.54400 | 0.00000 | 116195.8 | 18861.7 | 0.0 | U/P |
| 8.108 | 16.7180 | 0.0000 | 89.320 | 1.54714 | 0.00000 | 116694.7 | 18908.1 | 0.0 | U/P |
| 8.117 | 16.8900 | 0.0000 | 89.337 | 1.55031 | 0.00000 | 117198.8 | 18954.6 | 0.0 | U/P |
| 8.125 | 17.0542 | 0.0000 | 89.354 | 1.55350 | 0.00000 | 117708.0 | 19001.1 | 0.0 | U/P |
| 8.133 | 17.2092 | 0.0000 | 89.371 | 1.55673 | 0.00000 | 118221.9 | 19047.8 | 0.0 | U/P |
| 8.142 | 17.3542 | 0.0000 | 89.389 | 1.55997 | 0.00000 | 118740.4 | 19094.5 | 0.0 | U/P |
| 8.150 | 17.4878 | 0.0000 | 89.406 | 1.56324 | 0.00000 | 119263.0 | 19141.4 | 0.0 | U/P |
| 8.158 | 17.6082 | 0.0000 | 89.424 | 1.56653 | 0.00000 | 119789.4 | 19188.3 | 0.0 | U/P |
| 8.167 | 17.7130 | 0.0000 | 89.442 | 1.56984 | 0.00000 | 120319.2 | 19235.4 | 0.0 | U/P |
| 8.175 | 17.8036 | 0.0000 | 89.460 | 1.57316 | 0.00000 | 120852.0 | 19282.5 | 0.0 | U/P |
| 8.183 | 17.8822 | 0.0000 | 89.478 | 1.57650 | 0.00000 | 121387.3 | 19329.7 | 0.0 | U/P |
| 8.192 | 17.9515 | 0.0000 | 89.496 | 1.57984 | 0.00000 | 121924.8 | 19377.1 | 0.0 | U/P |
| 8.200 | 18.0128 | 0.0000 | 89.514 | 1.58318 | 0.00000 | 122464.2 | 19424.5 | 0.0 | U/P |
| 8.208 | 18.0670 | 0.0000 | 89.532 | 1.58654 | 0.00000 | 123005.4 | 19472.1 | 0.0 | U/P |
| 8.217 | 18.1152 | 0.0000 | 89.550 | 1.58989 | 0.00000 | 123548.2 | 19519.7 | 0.0 | U/P |
| 8.225 | 18.1586 | 0.0000 | 89.568 | 1.59325 | 0.00000 | 124092.3 | 19567.5 | 0.0 | U/P |
| 8.233 | 18.1971 | 0.0000 | 89.586 | 1.59661 | 0.00000 | 124637.6 | 19615.3 | 0.0 | U/P |
| 8.242 | 18.2313 | 0.0000 | 89.604 | 1.59997 | 0.00000 | 125184.0 | 19663.3 | 0.0 | U/P |
| 8.250 | 18.2616 | 0.0000 | 89.622 | 1.60333 | 0.00000 | 125731.4 | 19711.3 | 0.0 | U/P |
| 8.258 | 18.2879 | 0.0000 | 89.640 | 1.60668 | 0.00000 | 126279.7 | 19759.5 | 0.0 | U/P |
| 8.267 | 18.3115 | 0.0000 | 89.658 | 1.61004 | 0.00000 | 126828.7 | 19807.7 | 0.0 | U/P |
| 8.275 | 18.3325 | 0.0000 | 89.676 | 1.61339 | 0.00000 | 127378.3 | 19856.1 | 0.0 | U/P |
| 8.283 | 18.3511 | 0.0000 | 89.694 | 1.61674 | 0.00000 | 127928.6 | 19904.5 | 0.0 | U/P |
| 8.292 | 18.3676 | 0.0000 | 89.712 | 1.62008 | 0.00000 | 128479.4 | 19953.1 | 0.0 | U/P |
| 8.300 | 18.3822 | 0.0000 | 89.730 | 1.62342 | 0.00000 | 129030.6 | 20001.7 | 0.0 | U/P |
| 8.308 | 18.3951 | 0.0000 | 89.747 | 1.62675 | 0.00000 | 129582.3 | 20050.5 | 0.0 | U/P |
| 8.317 | 18.4066 | 0.0000 | 89.765 | 1.63008 | 0.00000 | 130134.3 | 20099.3 | 0.0 | U/P |
| 8.325 | 18.4166 | 0.0000 | 89.783 | 1.63341 | 0.00000 | 130686.6 | 20148.3 | 0.0 | U/P |
| 8.333 | 18.4256 | 0.0000 | 89.801 | 1.63673 | 0.00000 | 131239.3 | 20197.3 | 0.0 | U/P |
| 8.342 | 18.4336 | 0.0000 | 89.819 | 1.64004 | 0.00000 | 131792.2 | 20246.5 | 0.0 | U/P |
| 8.350 | 18.4407 | 0.0000 | 89,836 | 1.64335 | 0.00000 | 132345.3 | 20295.7 | 0.0 | U/P |
| 8.358 | 18.4470 | 0.0000 | 89.854 | 1.64665 | 0.00000 | 132898.6 | 20345.1 | 0.0 | U/P |
| 8.367 | 18.4527 | 0.0000 | 89.872 | 1.64995 | 0.00000 | 133452.1 | 20394.5 | 0.0 | U/P |
| 8.375 | 18.4577 | 0.0000 | 89.890 | 1.65324 | 0.00000 | 134005.7 | 20444.1 | 0.0 | U/P |
| 8.383 | 18.4622 | 0.0000 | 89.907 | $\uparrow .65652$ | 0.00000 | 134559.5 | 20493.7 | 0.0 | U/P |
| 8.392 | 18.4662 | 0.0000 | 89.925 | 1.65980 | 0.00000 | 135113.5 | 20543.5 | 0.0 | U/P |
| 8.400 | 18.4697 | 0.0000 | 89.942 | 1.66307 | 0.00000 | 135667.5 | 20593.3 | 0.0 | U/P |
| 8.408 | 18.4729 | 0.0000 | 89.960 | 1.66634 | 0.00000 | 136221.6 | 20643.3 | 0.0 | U/P |
| 8.417 | 18.4757 | 0.0000 | 89.977 | 1.66960 | 0.00000 | 136775.9 | 20693.3 | 0.0 | U/P |
| 8.425 | 18.4782 | 0.0000 | 89.995 | 1.67285 | 0.00000 | 137330.2 | 20743.4 | 0.0 | U/P |
| 8.433 | 18.4805 | 0.0000 | 90.012 | 1.67611 | 0.00000 | 137884.6 | 20793.7 | 0.0 | U/P |
| 8.442 | 18.4826 | 0.0000 | 90.029 | 1.67940 | 0.00000 | 138439.0 | 20844.0 | 0.0 | U/P |
| 8.450 | 18.4845 | 0.0000 | 90.047 | 1.68269 | 0.00000 | 138993.5 | 20894.4 | 0.0 | U/P |
| 8.458 | 18.4862 | 0.0000 | 90.064 | 1.68597 | 0.00000 | 139548.1 | 20945.0 | 0.0 | U/P |
| 8.467 | 18.4878 | 0.0000 | 90.081 | 1.68925 | 0.00000 | 140102.7 | 20995.6 | 0.0 | U/P |
| 8.475 | 18.4893 | 0.0000 | 90.099 | 1.69252 | 0.00000 | 140657.3 | 21046.3 | 0.0 | U/P |
| 8.483 | 18.4905 | 0.0000 | 90.116 | 1.69578 | 0.00000 | 141212.0 | 21097.1 | 0.0 | U/P |
| 8.492 | 18.4916 | 0.0000 | 90.133 | 1.69904 | 0.00000 | 141766.8 | 21148.1 | 0.0 | U/P |
| 8.500 | 18.4926 | 0.0000 | 90.150 | 1.70228 | 0.00000 | 142321.5 | 21199.1 | 0.0 | U/P |
| 8.508 | 18.4935 | 0.0000 | 90.167 | 1.70553 | 0.00000 | 142876.3 | 21250.2 | 0.0 | U/P |
| 8.517 | 18.4942 | 0.0000 | 90.184 | 1.70876 | 0.00000 | 143431.1 | 21301.4 | 0.0 | U/P |
| 8.525 | 18.4947 | 0.0000 | 90.201 | 1.71199 | 0.00000 | 143986.0 | 21352.7 | 0.0 | U/P |
| 8.533 | 18.4952 | 0.0000 | 90.218 | 1.71521 | 0.00000 | 144540.8 | 21404.1 | 0.0 | U/P |
| 8.542 | 18.4955 | 0.0000 | 90.235 | 1.71843 | 0.00000 | 145095.7 | 21455.6 | 0.0 | U/P |
| 8.550 | 18.4957 | 0.0000 | 90.252 | 1.72164 | 0.00000 | 145650.5 | 21507.2 | 0.0 | U/P |
| 8.558 | 18.4959 | 0.0000 | 90.269 | 1.72484 | 0.00000 | 146205.4 | 21558.9 | 0.0 | U/P |
| 8.567 | 18.4960 | 0.0000 | 90.286 | 1.72804 | 0.00000 | 146760.3 | 21610.7 | 0.0 | U/P |
| 8.575 | 18.4962 | 0.0000 | 90.303 | 1.73123 | 0.00000 | 147315.2 | 21662.6 | 0.0 | U/P |
| 8.583 | 18.4964 | 0.0000 | 90.319 | 1.73441 | 0.00000 | 147870.1 | 21714.6 | 0.0 | U/P |
| 8.592 | 18.4966 | 0.0000 | 90.336 | 1.73759 | 0.00000 | 148425.0 | 21766.7 | 0.0 | U/P |
| 8.600 | 18.4968 | 0.0000 | 90.353 | 1.74076 | 0.00000 | 148979.9 | 21818.9 | 0.0 | U/P |
| 8.608 | 18.4970 | 0.0000 | 90.370 | 1.74392 | 0.00000 | 149534.8 | 21871.1 | 0.0 | U/P |
| 8.617 | 18.4972 | 0.0000 | 90.386 | 1.74708 | 0.00000 | 150089.7 | 21923.5 | 0.0 | U/P |
| 8.625 | 18.4973 | 0.0000 | 90.403 | 1.75023 | 0.00000 | 150644.6 | 21976.0 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Enflow Rate ( $\mathrm{t}^{3 / \mathrm{s}}$ ) | Outside Recharge (flday) | Stage Elevation (H datum) | Infilltration Rate ( $\mathrm{ft}^{3 /} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / 3}$ ) | Cumulative Inflow Volume ( $\mathrm{t}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{H}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 8.633 | 18.4975 | 0.0000 | 90.419 | 1.75338 | 0.00000 | 151199.5 | 22028.5 | 0.0 | U/P |
| 8.642 | 18.4977 | 0.0000 | 90.436 | 1.75652 | 0.00000 | 151754.5 | 22081.2 | 0.0 | U/P |
| 8.650 | 18.4979 | 0.0000 | 90.452 | 1.75965 | 0.00000 | 152309.4 | 22133.9 | 0.0 | U/P |
| 8.658 | 18.4980 | 0.0000 | 90.469 | 1.76278 | 0.00000 | 152864.3 | 22186.7 | 0.0 | U/P |
| 8.667 | 18.4982 | 0.0000 | 90.485 | 1.76590 | 0.00000 | 153419.3 | 22239.7 | 0.0 | U/P |
| 8.675 | 18.4984 | 0.0000 | 90.502 | 1.76901 | 0.00415 | 153974.2 | 22292.7 | 0.1 | U/P |
| 8.683 | 18.4985 | 0.0000 | 90.518 | 1.77212 | 0.13082 | 154529.2 | 22345.8 | 2.1 | U/P |
| 8.692 | 18.4987 | 0.0000 | 90.534 | 1.77519 | 0.33966 | 155084.1 | 22399.0 | 9.1 | U/P |
| 8.700 | 18.4989 | 0.0000 | 90.550 | 1.77822 | 0.60109 | 155639.1 | 22452.3 | 23.3 | U/P |
| 8.708 | 18.4990 | 0.0000 | 90.566 | 1.78120 | 0.90171 | 156194.1 | 22505.7 | 45.8 | U/P |
| 8.717 | 18.4992 | 0.0000 | 90.581 | 1.78412 | 1.23276 | 156749.0 | 22559.2 | 77.8 | U/P |
| 8.725 | 18.4994 | 0.0000 | 90.596 | 1.78697 | 1.58765 | 157304.0 | 22612.8 | 120.1 | U/P |
| 8.733 | 18.4995 | 0.0000 | 90.610 | 1.78975 | 1.96115 | 157859.0 | 22666.4 | 173.4 | U/P |
| 8.742 | 18.4997 | 0.0000 | 90.624 | 1.79246 | 2.34893 | 158414.0 | 22720.1 | 238.0 | U/P |
| 8.750 | 18.4999 | 0.0000 | 90.638 | 1.79510 | 2.74731 | 158969.0 | 22774.0 | 314.4 | U/P |
| 8.758 | 18.5000 | 0.0000 | 90.651 | 1.79765 | 3.15314 | 159524.0 | 22827.9 | 403.0 | U/P |
| 8.767 | 18.5002 | 0.0000 | 90.664 | 1.80013 | 3.56369 | 160079.0 | 22881.8 | 503.7 | U/P |
| 8.775 | 18.5003 | 0.0000 | 90.677 | 1.80253 | 3.97662 | 160634.0 | 22935.9 | 616.8 | U/P |
| 8.783 | 18.5005 | 0.0000 | 90.689 | 1.80485 | 4.38986 | 161189.0 | 22990.0 | 742.3 | U/P |
| 8.792 | 18.5006 | 0.0000 | 90.700 | 1.80709 | 4.80163 | 161744.0 | 23044.2 | 880.2 | U/P |
| 8.800 | 18.5008 | 0.0000 | 90.712 | 1.80926 | 5.21040 | 162299.0 | 23098.4 | 1030.4 | U/P |
| 8.808 | 18.5009 | 0.0000 | 90.722 | 1.81134 | 5.61481 | 162854.1 | 23152.7 | 1192.7 | U/P |
| 8.817 | 18.5011 | 0.0000 | 90.733 | 1.81336 | 6.01374 | 163409.1 | 23207.1 | 1367.2 | U/P |
| 8.825 | 18.5012 | 0.0000 | 90.743 | 1.81529 | 6.40619 | 163964.1 | 23261.5 | 1553.5 | U/P |
| 8.833 | 18.5014 | 0.0000 | 90.752 | 1.81715 | 6.79135 | 164519.2 | 23316.0 | 1751.4 | U/P |
| 8.842 | 18.5015 | 0.0000 | 90.762 | 1.81894 | 7.16853 | 165074.2 | 23370.5 | 1960.8 | U/P |
| 8.850 | 18.5017 | 0.0000 | 90.771 | 1.82067 | 7.53714 | 165629.3 | 23425.1 | 2181.4 | U/P |
| 8.858 | 18.5018 | 0.0000 | 90.779 | 1.82232 | 7.89674 | 166184.3 | 23479.8 | 2412.9 | U/P |
| 8.867 | 18.5019 | 0.0000 | 90.787 | 1.82390 | 8.24695 | 166739.4 | 23534.5 | 2655.1 | U/P |
| 8.875 | 18.5021 | 0.0000 | 90.795 | 1.82542 | 8.58749 | 167294.4 | 23589.2 | 2907.6 | U/P |
| 8.883 | 18.5022 | 0.0000 | 90.803 | 1.82688 | 8.91817 | 167849.5 | 23644.0 | 3170.2 | U/P |
| 8.892 | 18.5024 | 0.0000 | 90.810 | 1.82828 | 9.23884 | 168404.6 | 23698.8 | 3442.5 | U/P |
| 8.900 | 18.5025 | 0.0000 | 90.817 | 1.82962 | 9.54942 | 168959.6 | 23753.7 | 3724.4 | U/P |
| 8.908 | 18.5026 | 0.0000 | 90.823 | 1.83090 | 9.84991 | 169514.7 | 23808.6 | 4015.3 | U/P |
| 8.917 | 18.5028 | 0.0000 | 90.830 | 1.83212 | 10.14031 | 170069.8 | 23863.5 | 4315.2 | U/P |
| 8.925 | 18.5029 | 0.0000 | 90.836 | 1.83330 | 10.42069 | 170624.9 | 23918.5 | 4623.6 | U/P |
| 8.933 | 18.5030 | 0.0000 | 90.842 | 1.83442 | 10.69115 | 171180.0 | 23973.5 | 4940.3 | U/P |
| 8.942 | 18.5032 | 0.0000 | 90.847 | 1.83549 | 10.95181 | 171735.1 | 24028.6 | 5264.9 | U/P |
| 8.950 | 18.5033 | 0.0000 | 90.852 | 1.83652 | 11.20284 | 172290.2 | 24083.7 | 5597.3 | U/P |
| 8.958 | 18.5034 | 0.0000 | 90.857 | 1.83749 | 11.44441 | 172845.3 | 24138.8 | 5937.0 | U/P |
| 8.967 | 18.5035 | 0.0000 | 90.862 | 1.83843 | 11.67671 | 173400.4 | 24193.9 | 6283.8 | U/P |
| 8.975 | 18.5037 | 0.0000 | 90.867 | 1.83932 | 11.89994 | 173955.5 | 24249.1 | 6637.4 | U/P |
| 8.983 | 18.5038 | 0.0000 | 90.871 | 1.84018 | 12.11434 | 174510.6 | 24304.3 | 6997.6 | U/P |
| 8.992 | 18.5039 | 0.0000 | 90.875 | 1.84099 | 12.32012 | 175065.7 | 24359.5 | 7364.2 | U/P |
| 9.000 | 18.5040 | 0.0000 | 90.879 | 1.84177 | 12.51754 | 175620.8 | 24414.7 | 7736.7 | U/P |
| 9.008 | 18.4971 | 0.0000 | 90.883 | 1.84251 | 12.70667 | 176175.8 | 24470.0 | 8115.1 | U/P |
| 9.017 | 18.4770 | 0.0000 | 90.887 | 1.84321 | 12.88729 | 176730.4 | 24525.3 | 8499.0 | U/P |
| 9.025 | 18.4389 | 0.0000 | 90.890 | 1.84388 | 13.05897 | 177284.2 | 24580.6 | 8888.2 | U/P |
| 9.033 | 18.3799 | 0.0000 | 90.894 | 1.84451 | 13.22109 | 177836.5 | 24635.9 | 9282.4 | U/P |
| 9.042 | 18.2927 | 0.0000 | 90.897 | 1.84510 | 13.37285 | 178386.5 | 24691.3 | 9681.3 | U/P |
| 9.050 | 18.1713 | 0.0000 | 90.899 | 1.84565 | 13.51315 | 178933.5 | 24746.6 | 10084.6 | U/P |
| 9.058 | 18.0101 | 0.0000 | 90.902 | 1.84615 | 13.64070 | 179476.2 | 24802.0 | 10491.9 | U/P |
| 9.067 | 17.8046 | 0.0000 | 90.904 | 1.84660 | 13.75401 | 180013.5 | 24857.4 | 10902.8 | U/P |
| 9.075 | 17.5616 | 0.0000 | 90.906 | 1.84699 | 13.85171 | 180543.9 | 24912.8 | 11316.9 | U/P |
| 9.083 | 17.2890 | 0.0000 | 90.908 | 1.84732 | 13.93288 | 181066.7 | 24968.2 | 11733.7 | U/P |
| 9.092 | 16.9946 | 0.0000 | 90.909 | 1.84759 | 13.99699 | 181581.0 | 25023.6 | 12152.6 | U/P |
| 9.100 | 16.6862 | 0.0000 | 90.910 | 1.84779 | 14.04393 | 182086.2 | 25079.1 | 12573.2 | U/P |
| 9.108 | 16.3754 | 0.0000 | 90.910 | \$.84793 | 14.07408 | 182582.1 | 25134.5 | 12995.0 | U/P |
| 9.117 | 16.0655 | 0.0000 | 90.911 | 1.84802 | 14.08816 | 183068.7 | 25190.0 | 13417.4 | U/P |
| 9.125 | 15.7617 | 0.0000 | 90.911 | 1.84804 | 14.08710 | 183546.1 | 25245.4 | 13840.1 | U/P |
| 9.133 | 15.4720 | 0.0000 | 90.910 | 1.84801 | 14.07207 | 184014.6 | 25300.8 | 14262.5 | U/P |
| 9.142 | 15.1986 | 0.0000 | 90.910 | 1.84793 | 14.04448 | 184474.7 | 25356.3 | 14684.2 | U/P |
| 9.150 | 14.9431 | 0.0000 | 90.909 | 1.84781 | 14.00575 | 184926.8 | 25411.7 | 15105.0 | U/P |
| 9.158 | 14.7079 | 0.0000 | 90.908 | 1.84765 | 13.95733 | 185371.6 | 25467.1 | 15524.4 | U/P |
| 9.167 | 14.4961 | 0.0000 | 90.907 | 1.84745 | 13.90073 | 185809.6 | 25522.6 | 15942.3 | U/P |
| 9.175 | 14.3123 | 0.0000 | 90.906 | 1.84723 | 13.83758 | 186241.8 | 25578.0 | 16358.4 | U/P |
| 9.183 | 14.1534 | 0.0000 | 90.904 | 1.84699 | 13.76945 | 186668.7 | 25633.4 | 16772.5 | U/P |
| 9.192 | 14.0156 | 0.0000 | 90.903 | 1.84673 | 13.69768 | 187091.3 | 25688.8 | 17184.5 | U/P |
| 9.200 | 13.8941 | 0.0000 | 90.902 | 1.84646 | 13.62333 | 187509.9 | 25744.2 | 17594.3 | U/P |
| 9.208 | 13.7866 | 0.0000 | 90.900 | 1.84618 | 13.54724 | 187925.1 | 25799.6 | 18001.8 | U/P |
| 9.217 | 13.6917 | 0.0000 | 90.898 | 1.84589 | 13.47012 | 188337.3 | 25855.0 | 18407.1 | U/P |
| 9.225 | 13.6073 | 0.0000 | 90.897 | 1.84560 | 13.39256 | 188746.8 | 25910.3 | 18810.0 | U/P |
| 9.233 | 13.5315 | 0.0000 | 90.895 | 1.84531 | 13.31503 | 189153.9 | 25965.7 | 19210.7 | U/P |
| 9.242 | 13.4642 | 0.0000 | 90.894 | 1.84502 | 13.23793 | 189558.8 | 26021.7 | 19609.0 | U/P |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
$\because$ Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow <br> Discharge ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{t}^{3}$ ) | Cumulative Infitration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ff}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 9.250 | 13.4044 | 0.0000 | 90.892 | 1.84473 | 13.16160 | 189961.8 | 26076.4 | 20004.9 | U/P |
| 9.258 | 13.3516 | 0.0000 | 90.891 | 1.84445 | 13.08634 | 190363.2 | 26131.8 | 20398.7 | U/P |
| 9.267 | 13.3059 | 0.0000 | 90.889 | 1.84417 | 13.01243 | 190763.0 | 26187.1 | 20790.1 | U/P |
| 9.275 | 13.2648 | 0.0000 | 90.888 | 1.84389 | 12.94005 | 191161.6 | 26242.4 | 21179.4 | U/P |
| 9.283 | 13.2284 | 0.0000 | 90.887 | 1.84362 | 12.86936 | 191559.0 | 26297.7 | 21566.6 | U/P |
| 9.292 | 13.1962 | 0.0000 | 90.885 | 1.84336 | 12.80046 | 191955.4 | 26353.0 | 21951.6 | U/P |
| 9.300 | 13.1676 | 0.0000 | 90.884 | 1.84310 | 12.73345 | 192350.8 | 26408.3 | 22334.6 | U/P |
| 9.308 | 13.1425 | 0.0000 | 90.883 | 1.84285 | 12.66840 | 192745.5 | 26463.6 | 22715.7 | U/P |
| 9.317 | 13.1203 | 0.0000 | 90.881 | 1.84260 | 12.60535 | 193139.4 | 26518.9 | 23094.8 | U/P |
| 9.325 | 13.1006 | 0.0000 | 90.880 | 1.84236 | 12.54432 | 193532.7 | 26574.2 | 23472.0 | U/P |
| 9.333 | 13.0835 | 0.0000 | 90.879 | 1.84213 | 12.48533 | 193925.5 | 26629.4 | 23847.5 | U/P |
| 9.342 | 13.0682 | 0.0000 | 90.878 | 1.84191 | 12.42838 | 194317.8 | 26684.7 | 24221.2 | U/P |
| 9.350 | 13.0546 | 0.0000 | 90.877 | 1.84170 | 12.37345 | 194709.6 | 26739.9 | 24593.2 | U/P |
| 9.358 | 13.0426 | 0.0000 | 90.875 | 1.84149 | 12.32051 | 195101.1 | 26795.2 | 24963.6 | U/P |
| 9.367 | 13.0319 | 0.0000 | 90.874 | 1.84129 | 12.26954 | 195492.2 | 26850.4 | 25332.4 | U/P |
| 9.375 | 13.0225 | 0.0000 | 90.873 | 1.84110 | 12.22048 | 195883.0 | 26905.7 | 25699.8 | U/P |
| 9.383 | 13.0141 | 0.0000 | 90.872 | 1.84091 | 12.17332 | 196273.5 | 26960.9 | 26065.7 | U/P |
| 9.392 | 13.0067 | 0.0000 | 90.872 | 1.84073 | 12.12798 | 196663.9 | 27016.1 | 26430.2 | U/P |
| 9.400 | 13.0002 | 0.0000 | 90.871 | 1.84056 | 12.08443 | 197054.0 | 27071.3 | 26793.4 | U/P |
| 9.408 | 12.9944 | 0.0000 | 90.870 | 1.84039 | 12.04263 | 197443.9 | 27126.6 | 27155.3 | U/P |
| 9.417 | 12.9893 | 0.0000 | 90.869 | 1.84024 | 12.00251 | 197833.6 | 27181.8 | 27516.0 | U/P |
| 9.425 | 12.9848 | 0.0000 | 90.868 | 1.84008 | 11.96402 | 198223.2 | 27237.0 | 27875.5 | U/P |
| 9.433 | 12.9808 | 0.0000 | 90.867 | ¢. 83994 | 11.92712 | 198612.7 | 27292.2 | 28233.9 | U/P |
| 9.442 | 12.9772 | 0.0000 | 90.867 | 1.83980 | 11.89175 | 199002.1 | 27347.4 | 28591.1 | U/P |
| 9.450 | 12.9740 | 0.0000 | 90.866 | 1.83966 | 11.85784 | 199391.4 | 27402.6 | 28947.4 | U/P |
| 9.458 | 12.9711 | 0.0000 | 90.865 | 1.83953 | 11.82536 | 199780.5 | 27457.7 | 29302.6 | U/P |
| 9.467 | 12.9685 | 0.0000 | 90.865 | 1.83941 | 11.79424 | 200169.6 | 27512.9 | 29656.9 | U/P |
| 9.475 | 12.9661 | 0.0000 | 90.864 | 1.83929 | 11.76442 | 200558.7 | 27568.1 | 30010.3 | U/P |
| 9.483 | 12.9640 | 0.0000 | 90.864 | 1.83917 | 11.73587 | 200947.6 | 27623.3 | 30362.8 | U/P |
| 9.492 | 12.9622 | 0.0000 | 90.863 | 1.83907 | 11.70854 | 201336.5 | 27678.5 | 30714.5 | U/P |
| 9.500 | 12.9607 | 0.0000 | 90.862 | 1.83896 | 11.68237 | 201725.3 | 27733.6 | 31065.3 | U/P |
| 9.508 | 12.9591 | 0.0000 | 90.862 | 1.83886 | 11.65732 | 202114.1 | 27788.8 | 31415.4 | U/P |
| 9.517 | 12.9568 | 0.0000 | 90.861 | 1.83876 | 11.63332 | 202502.9 | 27844.0 | 31764.8 | U/P |
| 9.525 | 12.9533 | 0.0000 | 90.861 | 1.83867 | 11.61028 | 202891.5 | 27899.1 | 32113.5 | U/P |
| 9.533 | 12.9482 | 0.0000 | 90.860 | 1.83858 | 11.58810 | 203280.0 | 27954.3 | 32461.4 | U/P |
| 9.542 | 12.9412 | 0.0000 | 90.860 | 1.83850 | 11.56664 | 203668.4 | 28009.4 | 32808.7 | U/P |
| 9.550 | 12.9315 | 0.0000 | 90.860 | 1.83841 | 11.54579 | 204056.5 | 28064.6 | 33155.4 | U/P |
| 9.558 | 12.9186 | 0.0000 | 90.859 | 1.83833 | 11.52538 | 204444.2 | 28119.7 | 33501.5 | U/P |
| 9.567 | 12.9019 | 0.0000 | 90.859 | 1.83825 | 11.50523 | 204831.5 | 28174.9 | 33847.0 | U/P |
| 9.575 | 12.8814 | 0.0000 | 90.858 | 1.83817 | 11.48516 | 205218.3 | 28230.0 | 34191.8 | U/P |
| 9.583 | 12.8580 | 0.0000 | 90.858 | 1.83809 | 11.46502 | 205604.4 | 28285.2 | 34536.1 | U/P |
| 9.592 | 12.8322 | 0.0000 | 90.857 | 1.83801 | 11.44470 | 205989.7 | 28340.3 | 34879.7 | U/P |
| 9.600 | 12.8048 | 0.0000 | 90.857 | 1.83783 | 11.42412 | 206374.3 | 28395.5 | 35222.7 | U/P |
| 9.608 | 12.7766 | 0.0000 | 90.857 | 1.83785 | 11.40322 | 206758.0 | 28450.6 | 35565.2 | U/P |
| 9.617 | 12.7484 | 0.0000 | 90.856 | 1.83777 | 11.38203 | 207140.9 | 28505.7 | 35906.9 | U/P |
| 9.625 | 12.7205 | 0.0000 | 90.856 | 1.83768 | 11.36054 | 207522.9 | 28560.9 | 36248.1 | U/P |
| 9.633 | 12.6936 | 0.0000 | 90.855 | 1.83760 | 11.33881 | 207904.1 | 28616.0 | 36588.6 | U/P |
| 9.642 | 12.6681 | 0.0000 | 90.855 | 1.83751 | 11.31690 | 208284.5 | 28671.1 | 36928.4 | U/P |
| 9.650 | 12.6441 | 0.0000 | 90.854 | 1.83743 | 11.29488 | 208664.2 | 28726.2 | 37267.6 | U/P |
| 9.658 | 12.6218 | 0.0000 | 90.854 | 1.83734 | 11.27283 | 209043.2 | 28781.4 | 37606.1 | U/P |
| 9.667 | 12.6016 | 0.0000 | 90.853 | 1.83725 | 11.25082 | 209421.6 | 28836.5 | 37944.0 | U/P |
| 9.675 | 12.5836 | 0.0000 | 90.853 | 1.83716 | 11.22897 | 209799.3 | 28891.6 | 38281.1 | U/P |
| 9.683 | 12.5681 | 0.0000 | 90.853 | 1.83708 | 11.20735 | 210176.6 | 28946.7 | 38617.7 | U/P |
| 9.692 | 12.5547 | 0.0000 | 90.852 | 1.83699 | 11.18607 | 210553.5 | 29001.8 | 38953.6 | U/P |
| 9.700 | 12.5430 | 0.0000 | 90.852 | 1.83691 | 11.16519 | 210929.9 | 29056.9 | 39288.9 | U/P |
| 9.708 | 12.5326 | 0.0000 | 90.851 | 1.83683 | 11.14475 | 211306.1 | 29112.0 | 39623.5 | U/P |
| 9.717 | 12.5235 | 0.0000 | 90.851 | \$.83675 | 11.12480 | 211681.9 | 29167.1 | 39957.6 | U/P |
| 9.725 | 12.5153 | 0.0000 | 90.850 | 1.83667 | 11.10536 | 212057.5 | 29222.2 | 40291.0 | U/P |
| 9.733 | 12.5081 | 0.0000 | 90.850 | 1.83659 | 11.08646 | 212432.8 | 29277.3 | 40623.9 | U/P |
| 9.742 | 12.5016 | 0.0000 | 90.850 | 1.83652 | 11.06809 | 212808.0 | 29332.4 | 40956.2 | U/P |
| 9.750 | 12.4959 | 0.0000 | 90.849 | 1.83644 | 11.05027 | 213183.0 | 29387.5 | 41288.0 | U/P |
| 9.758 | 12.4908 | 0.0000 | 90.849 | 1.83637 | 11.03302 | 213557.8 | 29442.6 | 41619.2 | U/P |
| 9.767 | 12.4864 | 0.0000 | 90.848 | 1.83631 | 11.01632 | 213932.4 | 29497.7 | 41950.0 | U/P |
| 9.775 | 12.4825 | 0.0000 | 90.848 | 1.83624 | 11.00018 | 214306.9 | 29552.8 | 42280.2 | U/P |
| 9.783 | 12.4790 | 0.0000 | 90.848 | 1.83618 | 10.98459 | 214681.4 | 29607.9 | 42610.0 | U/P |
| 9.792 | 12.4759 | 0.0000 | 90.848 | 1.83612 | 10.96955 | 215055.7 | 29663.0 | 42939.3 | U/P |
| 9.800 | 12.4732 | 0.0000 | 90.847 | 1.83606 | 10.95506 | 215429.9 | 29718.1 | 43268.2 | U/P |
| 9.808 | 12.4707 | 0.0000 | 90.847 | 1.83600 | 10.94109 | 215804.1 | 29773.1 | 43596.6 | U/P |
| 9.817 | 12.4686 | 0.0000 | 90.847 | 1.83595 | 10.92764 | 216178.2 | 29828.2 | 43924.6 | U/P |
| 9.825 | 12.4668 | 0.0000 | 90.846 | 1.83589 | 10.91470 | 216552.2 | 29883.3 | 44252.3 | U/P |
| 9.833 | 12.4651 | 0.0000 | 90.846 | 1.83584 | 10.90226 | 216926.2 | 29938.4 | 44579.5 | U/P |
| 9.842 | 12.4637 | 0.0000 | 90.846 | 1.83579 | 10.89030 | 217300.1 | 29993.4 | 44906.4 | U/P |
| 9.850 | 12.4624 | 0.0000 | 90.846 | 1.83575 | 10.87880 | 217674.0 | 30048.5 | 45233.0 | U/P |
| 9.858 | 12.4612 | 0.0000 | 90.845 | 1.83570 | 10.86777 | 218047.8 | 30103.6 | 45559.1 | U/P |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge ( $\mathrm{V} / \mathrm{d}$ day) | Stage Elevation ( t datum) | Infiltration Rate (ft ${ }^{3 / \mathrm{s}}$ ) | Overtlow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 9.867 | 12.4602 | 0.0000 | 90.845 | 1.83566 | 10.85717 | 218421.7 | 30158.7 | 45885.0 | U/P |
| 9.875 | 12.4594 | 0.0000 | 90.845 | 1.83561 | 10.84700 | 218795.5 | 30213.7 | 46210.6 | U/P |
| 9.883 | 12.4586 | 0.0000 | 90.845 | 1.83558 | 10.83724 | 219169.2 | 30268.8 | 46535.9 | U/P |
| 9.892 | 12.4579 | 0.0000 | 90.845 | 1.83554 | 10.82788 | 219543.0 | 30323.9 | 46860.8 | U/P |
| 9.900 | 12.4573 | 0.0000 | 90.844 | 1.83550 | 10.81890 | 219916.7 | 30378.9 | 47185.5 | U/P |
| 9.908 | 12.4567 | 0.0000 | 90.844 | 1.83546 | 10.81029 | 220290.4 | 30434.0 | 47510.0 | U/P |
| 9.917 | 12.4563 | 0.0000 | 90.844 | 1.83543 | 10.80204 | 220664.1 | 30489.1 | 47834.2 | U/P |
| 9.925 | 12.4559 | 0.0000 | 90.844 | 1.83540 | 10.79414 | 221037.8 | 30544.1 | 48158.1 | U/P |
| 9.933 | 12.4555 | 0.0000 | 90.844 | 1.83537 | 10.78656 | 221411.5 | 30599.2 | 48481.8 | U/P |
| 9.942 | 12.4552 | 0.0000 | 90.843 | 1.83534 | 10.77931 | 221785.1 | 30654.2 | 48805.3 | U/P |
| 9.950 | 12.4549 | 0.0000 | 90.843 | 1.83531 | 10.77235 | 222158.8 | 30709.3 | 49128.6 | U/P |
| 9.958 | 12.4546 | 0.0000 | 90.843 | 1.83528 | 10.76570 | 222532.4 | 30764.4 | 49451.6 | U/P |
| 9.967 | 12.4544 | 0.0000 | 90.843 | 1.83525 | 10.75932 | 222906.1 | 30819.4 | 49774.5 | U/P |
| 9.975 | 12.4542 | 0.0000 | 90.843 | 1.83523 | 10.75321 | 223279.7 | 30874.5 | 50097.2 | U/P |
| 9.983 | 12.4540 | 0.0000 | 90.843 | 1.83521 | 10.74737 | 223653.3 | 30929.5 | 50419.7 | U/P |
| 9.992 | 12.4539 | 0.0000 | 90.843 | 1.83518 | 10.74177 | 224026.9 | 30984.6 | 50742.0 | U/P |
| 10.000 | 12.4538 | 0.0000 | 90.843 | 1.83516 | 10.73641 | 224400.5 | 31039.6 | 51064.2 | U/P |
| 10.008 | 12.4533 | 0.0000 | 90.842 | 1.83514 | 10.73128 | 224774.1 | 31094.7 | 51386.2 | U/P |
| 10.017 | 12.4450 | 0.0000 | 90.842 | 1.83512 | 10.72618 | 225147.6 | 31149.8 | 51708.1 | U/P |
| 10.025 | 12.4221 | 0.0000 | 90.842 | 1.83510 | 10.72063 | 225520.6 | 31204.8 | 52029.8 | U/P |
| 10.033 | 12.3795 | 0.0000 | 90.842 | 1.83507 | 10.71389 | 225892.7 | 31259.9 | 52351.3 | U/P |
| 10.042 | 12.3136 | 0.0000 | 90.842 | 1.83504 | 10.70509 | 226263.0 | 31314.9 | 52672.6 | U/P |
| 10.050 | 12.2169 | 0.0000 | 90.842 | 1.83500 | 10.69314 | 226631.0 | 31370.0 | 52993.6 | U/P |
| 10.058 | 12.0825 | 0.0000 | 90.841 | 1.83494 | 10.67670 | 226995.5 | 31425.0 | 53314.1 | U/P |
| 10.067 | 11.9046 | 0.0000 | 90.841 | 1.83486 | 10.65421 | 227355.3 | 31480.1 | 53634.1 | U/P |
| 10.075 | 11.6786 | 0.0000 | 90.840 | 1.83476 | 10.62395 | 227709.0 | 31535.1 | 53953.3 | U/P |
| 10.083 | 11.4120 | 0.0000 | 90.839 | 1.83462 | 10.58436 | 228055.4 | 31590.1 | 54271.4 | U/P |
| 10.092 | 11.1135 | 0.0000 | 90.838 | 1.83443 | 10.53431 | 228393.3 | 31645.2 | 54588.2 | U/P |
| 10.100 | 10.7916 | 0.0000 | 90.837 | 1.83421 | 10.47311 | 228721.9 | 31700.2 | 54903.3 | U/P |
| 10.108 | 10.4548 | 0.0000 | 90.835 | 1.83394 | 70.40046 | 229040.6 | 31755.2 | 55216.4 | U/P |
| 10.117 | 10.1156 | 0.0000 | 90.834 | 1.83362 | 10.31658 | 229349.1 | 31810.2 | 55527.1 | U/P |
| 10.125 | 9.7775 | 0.0000 | 90.832 | 1.83325 | 10.22200 | 229647.5 | 31865.2 | 55835.2 | U/P |
| 10.133 | 9.4465 | 0.0000 | 90.829 | 1.83284 | 10.11744 | 229935.9 | 31920.2 | 56140.3 | U/P |
| 10.142 | 9.1310 | 0.0000 | 90.827 | 1.83240 | 10.00391 | 230214.5 | 31975.2 | 56442.1 | U/P |
| 10.150 | 8.8334 | 0.0000 | 90.824 | 1.83191 | 9.88261 | 230484.0 | 32030.2 | 56740.4 | U/P |
| 10.158 | 8.5554 | 0.0000 | 90.821 | 1.83139 | 9.75474 | 230744.8 | 32085.1 | 57035.0 | U/P |
| 10.167 | 8.2997 | 0.0000 | 90.818 | 1.83085 | 9.62155 | 230997.7 | 32140.1 | 57325.6 | U/P |
| 10.175 | 8.0696 | 0.0000 | 90.815 | 1.83029 | 9.48434 | 231243.2 | 32195.0 | 57612.2 | U/P |
| 10.183 | 7.8701 | 0.0000 | 90.812 | 1.82970 | 9.34453 | 231482.3 | 32249.9 | 57894.6 | U/P |
| 10.192 | 7.6976 | 0.0000 | 90.809 | 1.82911 | 9.20346 | 231715.8 | 32304.8 | 58172.9 | U/P |
| 10.200 | 7.5478 | 0.0000 | 90.806 | 1.82851 | 9.06224 | 231944.5 | 32359.6 | 58446.9 | U/P |
| 10.208 | 7.4158 | 0.0000 | 90.803 | 1.82791 | 8.92173 | 232169.0 | 32414.5 | 58716.6 | U/P |
| 10.217 | 7.2990 | 0.0000 | 90.800 | 1.82731 | 8.78258 | 232389.7 | 32469.3 | 58982.2 | U/P |
| 10.225 | 7.1958 | 0.0000 | 90.796 | 1.82672 | 8.64531 | 232607.1 | 32524.1 | 59243.6 | U/P |
| 10.233 | 7.1040 | 0.0000 | 90.793 | 1.82613 | 8.51034 | 232821.6 | 32578.9 | 59500.9 | U/P |
| 10.242 | 7.0216 | 0.0000 | 90.790 | 1.82554 | 8.37798 | 233033.5 | 32633.7 | 59754.3 | U/P |
| 10.250 | 6.9484 | 0.0000 | 90.787 | 1.82497 | 8.24848 | 233243.0 | 32688.4 | 60003.7 | U/P |
| 10.258 | 6.8835 | 0.0000 | 90.784 | 1.82441 | 8.12203 | 233450.5 | 32743.2 | 60249.2 | U/P |
| 10.267 | 6.8261 | 0.0000 | 90.782 | 1.82385 | 7.99880 | 233656.1 | 32797.9 | 60491.0 | U/P |
| 10.275 | 6.7763 | 0.0000 | 90.779 | 1.82331 | 7.87893 | 233860.2 | 32852.6 | 60729.2 | U/P |
| 10.283 | 6.7317 | 0.0000 | 90.776 | 1.82279 | 7.76251 | 234062.8 | 32907.3 | 60963.8 | U/P |
| 10.292 | 6.6921 | 0.0000 | 90.773 | 1.82227 | 7.64955 | 234264.2 | 32962.0 | 61195.0 | U/P |
| 10.300 | 6.6571 | 0.0000 | 90.771 | 1.82177 | 7.54008 | 234464.4 | 33016.6 | 61422.8 | U/P |
| 10.308 | 6.6260 | 0.0000 | 90.768 | 1.82128 | 7.43409 | 234663.6 | 33071.3 | 61647.5 | U/P |
| 10.317 | 6.5987 | 0.0000 | 90.766 | 1.82081 | 7.33155 | 234862.0 | 33125.9 | 61868.9 | U/P |
| 10.325 | 6.5745 | 0.0000 | 90.763 | 1.82034 | 7.23244 | 235059.6 | 33180.5 | 62087.4 | U/P |
| 10.333 | 6.5531 | 0.0000 | 90.761 | 1.81990 | 7.13669 | 235256.5 | 33235.1 | 62302.9 | U/P |
| 10.342 | 6.5344 | 0.0000 | 90.759 | 1.81946 | 7.04424 | 235452.8 | 33289.7 | 62515.6 | U/P |
| 10.350 | 6.5177 | 0.0000 | 90.756 | 1.81904 | 6.95504 | 235648.6 | 33344.3 | 62725.6 | U/P |
| 10.358 | 6.5029 | 0.0000 | 90.754 | 1.81863 | 6.86899 | 235843.9 | 33398.9 | 62933.0 | U/P |
| 10.367 | 6.4899 | 0.0000 | 90.752 | 1.81824 | 6.78601 | 236038.8 | 33453.4 | 63137.8 | U/P |
| 10.375 | 6.4782 | 0.0000 | 90.750 | 1.81785 | 6.70602 | 236233.3 | 33508.0 | 63340.2 | U/P |
| 10.383 | 6.4679 | 0.0000 | 90.748 | 1.81748 | 6.62893 | 236427.5 | 33562.5 | 63540.2 | U/P |
| 10.392 | 6.4588 | 0.0000 | 90.747 | 1.81712 | 6.55465 | 236621.4 | 33617.0 | 63738.0 | U/P |
| 10.400 | 6.4507 | 0.0000 | 90.745 | 1.81678 | 6.48309 | 236815.1 | 33671.5 | 63933.5 | U/P |
| 10.408 | 6.4436 | 0.0000 | 90.743 | 1.81644 | 6.41416 | 237008.5 | 33726.0 | 64127.0 | U/P |
| 10.417 | 6.4372 | 0.0000 | 90.741 | 1.81612 | 6.34778 | 237201.7 | 33780.5 | 64318.4 | U/P |
| 10.425 | 6.4316 | 0.0000 | 90.740 | 1.81581 | 6.28385 | 237394.7 | 33835.0 | 64507.9 | U/P |
| 10.433 | 6.4267 | 0.0000 | 90.738 | 1.81550 | 6.22230 | 237587.6 | 33889.5 | 64695.5 | U/P |
| 10.442 | 6.4223 | 0.0000 | 90.737 | 1.81521 | 6.16303 | 237780.3 | 33943.9 | 64881.3 | U/P |
| 10.450 | 6.4185 | 0.0000 | 90.735 | 1.81493 | 6.10596 | 237973.0 | 33998.4 | 65065.3 | U/P |
| 10.458 | 6.4149 | 0.0000 | 90.734 | 1.81466 | 6.05102 | 238165.5 | 34052.8 | 65247.7 | U/P |
| 10.467 | 6.4117 | 0.0000 | 90.732 | 1.81439 | 5.99812 | 238357.9 | 34107.3 | 65428.4 | U/P |
| 10.475 | 6.4088 | 0.0000 | 90.731 | 1.81414 | 5.94718 | 238550.2 | 34161.7 | 65607.6 | U/P |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 /} \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 10.483 | 6.4062 | 0.0000 | 90.730 | 1.81390 | 5.89813 | 238742.4 | 34216.1 | 65785.3 | U/P |
| 10.492 | 6.4039 | 0.0000 | 90.729 | 1.81366 | 5.85090 | 238934.5 | 34270.5 | 65961.5 | U/P |
| 10.500 | 6.4019 | 0.0000 | 90.727 | 1.81343 | 5.80542 | 239126.6 | 34324.9 | 66136.3 | U/P |
| 10.508 | 6.4002 | 0.0000 | 90.726 | 1.81321 | 5.76162 | 239318.7 | 34379.3 | 66309.8 | U/P |
| 10.517 | 6.3993 | 0.0000 | 90.725 | 1.81300 | 5.71946 | 239510.7 | 34433.7 | 66482.1 | U/P |
| 10.525 | 6.3999 | 0.0000 | 90.724 | 1.81279 | 5.67890 | 239702.6 | 34488.1 | 66653.0 | U/P |
| 10.533 | 6.4026 | 0.0000 | 90.723 | 1.81259 | 5.63995 | 239894.7 | 34542.5 | 66822.8 | U/P |
| 10.542 | 6.4080 | 0.0000 | 90.722 | 1.81240 | 5.60262 | 240086.8 | 34596.9 | 66991.5 | U/P |
| 10.550 | 6.4167 | 0.0000 | 90.721 | 1.81222 | 5.56695 | 240279.2 | 34651.2 | 67159.0 | U/P |
| 10.558 | 6.4294 | 0.0000 | 90.720 | 1.81204 | 5.53301 | 240471.9 | 34705.6 | 67325.5 | U/P |
| 10.567 | 6.4469 | 0.0000 | 90.719 | 1.81188 | 5.50087 | 240665.0 | 34759.9 | 67491.0 | U/P |
| 10.575 | 6.4695 | 0.0000 | 90.719 | 1.81172 | 5.47064 | 240858.8 | 34814.3 | 67655.6 | U/P |
| 10.583 | 6.4970 | 0.0000 | 90.718 | 1.81157 | 5.44241 | 241053.3 | 34868.6 | 67819.3 | U/P |
| 10.592 | 6.5285 | 0.0000 | 90.717 | 1.81144 | 5.41628 | 241248.7 | 34923.0 | 67982.2 | U/P |
| 10.600 | 6.5630 | 0.0000 | 90.716 | 1.81131 | 5.39226 | 241445.0 | 34977.3 | 68144.3 | U/P |
| 10.608 | 6.5997 | 0.0000 | 90.716 | 1.81119 | 5.37038 | 241642.5 | 35031.7 | 68305.7 | U/P |
| 10.617 | 6.6373 | 0.0000 | 90.715 | 1.81109 | 5.35061 | 241841.0 | 35086.0 | 68466.5 | U/P |
| 10.625 | 6.6749 | 0.0000 | 90.715 | 1.81099 | 5.33287 | 242040.7 | 35140.3 | 68626.8 | U/P |
| 10.633 | 6.7121 | 0.0000 | 90.714 | 1.81091 | 5.31709 | 242241.5 | 35194.7 | 68786.5 | U/P |
| 10.642 | 6.7480 | 0.0000 | 90.714 | 1.81083 | 5.30315 | 242443.4 | 35249.0 | 68945.8 | U/P |
| 10.650 | 6.7820 | 0.0000 | 90.714 | 1.81076 | 5.29094 | 242646.4 | 35303.3 | 69104.8 | U/P |
| 10.658 | 6.8140 | 0.0000 | 90.713 | 1.81070 | 5.28032 | 242850.3 | 35357.6 | 69263.3 | U/P |
| 10.667 | 6.8436 | 0.0000 | 90.713 | 1.81065 | 5.27116 | 243055.2 | 35412.0 | 69421.6 | U/P |
| 10.675 | 6.8706 | 0.0000 | 90.713 | 1.81061 | 5.26331 | 243260.9 | 35466.3 | 69579.6 | U/P |
| 10.683 | 6.8944 | 0.0000 | 90.713 | 1.81057 | 5.25662 | 243467.4 | 35520.6 | 69737.4 | U/P |
| 10.692 | 6.9150 | 0.0000 | 90.713 | 1.81054 | 5.25095 | 243674.5 | 35574.9 | 69895.0 | U/P |
| 10.700 | 6.9328 | 0.0000 | 90.713 | 1.81052 | 5.24615 | 243882.2 | 35629.2 | 70052.5 | U/P |
| 10.708 | 6.9484 | 0.0000 | 90.712 | 1.81049 | 5.24210 | 244090.5 | 35683.5 | 70209.8 | U/P |
| 10.717 | 6.9622 | 0.0000 | 90.712 | 1.81047 | 5.23871 | 244299.1 | 35737.9 | 70367.0 | U/P |
| 10.725 | 6.9744 | 0.0000 | 90.712 | \$.81046 | 5.23589 | 244508.2 | 35792.2 | 70524.1 | U/P |
| 10.733 | 6.9853 | 0.0000 | 90.712 | 1.81044 | 5.23358 | 244717.6 | 35846.5 | 70681.2 | U/P |
| 10.742 | 6.9949 | 0.0000 | 90.712 | 1.81043 | 5.23170 | 244927.3 | 35900.8 | 70838.2 | U/P |
| 10.750 | 7.0035 | 0.0000 | 90.712 | 1.81043 | 5.23020 | 245137.2 | 35955.1 | 70995.1 | U/P |
| 10.758 | 7.0112 | 0.0000 | 90.712 | 1.81042 | 5.22904 | 245347.5 | 36009.4 | 71152.0 | U/P |
| 10.767 | 7.0180 | 0.0000 | 90.712 | 1.81041 | 5.22818 | 245557.9 | 36063.7 | 71308.8 | U/P |
| 10.775 | 7.0239 | 0.0000 | 90.712 | 1.81041 | 5.22756 | 245768.5 | 36118.0 | 71465.7 | U/P |
| 10.783 | 7.0292 | 0.0000 | 90.712 | 1.81041 | 5.22716 | 245979.3 | 36172.4 | 71622.5 | U/P |
| 10.792 | 7.0339 | 0.0000 | 90.712 | 1.81041 | 5.22695 | 246190.3 | 36226.7 | 71779.3 | U/P |
| 10.800 | 7.0380 | 0.0000 | 90.712 | 1.81040 | 5.22690 | 246401.3 | 36281.0 | 71936.1 | U/P |
| 10.808 | 7.0417 | 0.0000 | 90.712 | 1.81040 | 5.22699 | 246612.5 | 36335.3 | 72092.9 | U/P |
| 10.817 | 7.0449 | 0.0000 | 90.712 | 1.81041 | 5.22720 | 246823.8 | 36389.6 | 72249.7 | U/P |
| 10.825 | 7.0478 | 0.0000 | 90.712 | 1.81041 | 5.22750 | 247035.2 | 36443.9 | 72406.6 | U/P |
| 10.833 | 7.0503 | 0.0000 | 90.712 | 1.81041 | 5.22789 | 247246.7 | 36498.2 | 72563.4 | U/P |
| 10.842 | 7.0525 | 0.0000 | 90.712 | 1.81041 | 5.22835 | 247458.2 | 36552.5 | 72720.2 | U/P |
| 10.850 | 7.0545 | 0.0000 | 90.712 | 1.81041 | 5.22886 | 247669.8 | 36606.9 | 72877.1 | U/P |
| 10.858 | 7.0562 | 0.0000 | 90.712 | 1.81042 | 5.22942 | 247881.5 | 36661.2 | 73034.0 | U/P |
| 10.867 | 7.0578 | 0.0000 | 90.712 | 1.81042 | 5.23002 | 248093.2 | 36715.5 | 73190.9 | U/P |
| 10.875 | 7.0592 | 0.0000 | 90.712 | 1.81042 | 5.23065 | 248305.0 | 36769.8 | 73347.8 | U/P |
| 10.883 | 7.0604 | 0.0000 | 90.712 | 1.81043 | 5.23130 | 248516.8 | 36824.1 | 73504.7 | U/P |
| 10.892 | 7.0615 | 0.0000 | 90.712 | 1.81043 | 5.23197 | 248728.6 | 36878.4 | 73661.6 | U/P |
| 10.900 | 7.0624 | 0.0000 | 90.712 | 1.81043 | 5.23265 | 248940.5 | 36932.7 | 73818.6 | U/P |
| 10.908 | 7.0633 | 0.0000 | 90.712 | 1.81044 | 5.23334 | 249152.3 | 36987.0 | 73975.6 | U/P |
| 10.917 | 7.0640 | 0.0000 | 90.712 | 1.81044 | 5.23404 | 249364.3 | 37041.4 | 74132.6 | U/P |
| 10.925 | 7.0647 | 0.0000 | 90.712 | 1.81044 | 5.23473 | 249576.2 | 37095.7 | 74289.6 | U/P |
| 10.933 | 7.0653 | 0.0000 | 90.712 | 1.81045 | 5.23542 | 249788.1 | 37150.0 | 74446.7 | U/P |
| 10.942 | 7.0658 | 0.0000 | 90.712 | 1.81045 | 5.23611 | 250000.1 | 37204.3 | 74603.8 | U/P |
| 10.950 | 7.0663 | 0.0000 | 90.712 | 1.81045 | 5.23679 | 250212.1 | 37258.6 | 74760.9 | U/P |
| 10.958 | 7.0667 | 0.0000 | 90.712 | 1.81046 | 5.23746 | 250424.1 | 37312.9 | 74918.0 | U/P |
| 10.967 | 7.0671 | 0.0000 | 90.712 | 1.81046 | 5.23812 | 250636.1 | 37367.2 | 75075.1 | U/P |
| 10.975 | 7.0674 | 0.0000 | 90.712 | 1.81046 | 5.23877 | 250848.1 | 37421.6 | 75232.3 | U/P |
| 10.983 | 7.0678 | 0.0000 | 90.712 | 1.81047 | 5.23941 | 251060.1 | 37475.9 | 75389.4 | U/P |
| 10.992 | 7.0680 | 0.0000 | 90.712 | 1.81047 | 5.24004 | 251272.2 | 37530.2 | 75546.6 | U/P |
| 11.000 | 7.0646 | 0.0000 | 90.712 | 1.81047 | 5.24059 | 251484.2 | 37584.5 | 75703.8 | U/P |
| 11.008 | 7.0540 | 0.0000 | 90.712 | 1.81048 | 5.24088 | 251695.9 | 37638.8 | 75861.1 | U/P |
| 11.017 | 7.0338 | 0.0000 | 90.712 | 1.81048 | 5.24062 | 251907.3 | 37693.1 | 76018.3 | U/P |
| 11.025 | 7.0021 | 0.0000 | 90.712 | 1.81047 | 5.23946 | 252117.8 | 37747.4 | 76175.5 | U/P |
| 11.033 | 6.9552 | 0.0000 | 90.712 | 1.81046 | 5.23698 | 252327.1 | 37801.8 | 76332.6 | U/P |
| 11.042 | 6.8897 | 0.0000 | 90.712 | 1.81044 | 5.23262 | 252534.8 | 37856.1 | 76489.7 | U/P |
| 11.050 | 6.8026 | 0.0000 | 90.712 | 1.81042 | 5.22576 | 252740.2 | 37910.4 | 76646.6 | U/P |
| 11.058 | 6.6914 | 0.0000 | 90.712 | 1.81037 | 5.21569 | 252942.6 | 37964.7 | 76803.2 | U/P |
| 11.067 | 6.5596 | 0.0000 | 90.711 | 1.81031 | 5.20174 | 253141.4 | 38019.0 | 76959.4 | U/P |
| 11.075 | 6.4114 | 0.0000 | 90.711 | 1.81023 | 5.18343 | 253335.9 | 38073.3 | 77115.2 | U/P |
| 11.083 | 6.2512 | 0.0000 | 90.710 | 1.81012 | 5.16043 | 253525.9 | 38127.6 | 77270.4 | U/P |
| 11.092 | 6.0831 | 0.0000 | 90.709 | $\$ .80999$ | 5.13257 | 253710.9 | 38181.9 | 77424.8 | U/P |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | infiltration Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 11.100 | 5.9135 | 0.0000 | 90.709 | 1.80984 | 5.09989 | 253890.8 | 38236.2 | 77578.3 | U/P |
| 11.108 | 5.7443 | 0.0000 | 90.708 | 1.80965 | 5.06256 | 254065.7 | 38290.5 | 77730.7 | U/P |
| 11.117 | 5.5783 | 0.0000 | 90.706 | 1.80945 | 5.02084 | 254235.5 | 38344.8 | 77881.9 | U/P |
| 11.125 | 5.4199 | 0.0000 | 90.705 | 1.80922 | 4.97510 | 254400.5 | 38399.1 | 78031.9 | U/P |
| 11.133 | 5.2703 | 0.0000 | 90.704 | 1.80897 | 4.92579 | 254560.9 | 38453.3 | 78180.4 | U/P |
| 11.142 | 5.1304 | 0.0000 | 90.702 | 1.80871 | 4.87340 | 254716.9 | 38507.6 | 78327.4 | U/P |
| 11.150 | 5.0016 | 0.0000 | 90.701 | 1.80843 | 4.81841 | 254868.9 | 38561.9 | 78472.8 | U/P |
| 11.158 | 4.8854 | 0.0000 | 90.699 | 1.80813 | 4.76133 | 255017.2 | 38616.1 | 78616.5 | U/P |
| 11.167 | 4.7845 | 0.0000 | 90.698 | 1.80783 | 4.70275 | 255162.2 | 38670.4 | 78758.4 | U/P |
| 11.175 | 4.6972 | 0.0000 | 90.696 | 1.80751 | 4.64321 | 255304.5 | 38724.6 | 78898.6 | U/P |
| 11.183 | 4.6215 | 0.0000 | 90.694 | 1.80719 | 4.58319 | 255444.2 | 38778.8 | 79037.0 | U/P |
| 11.192 | 4.5548 | 0.0000 | 90.693 | 1,80687 | 4.52305 | 255581.9 | 38833.0 | 79173.6 | U/P |
| 11.200 | 4.4958 | 0.0000 | 90.691 | 1.80655 | 4.46309 | 255717.6 | 38887.2 | 79308.4 | U/P |
| 11.208 | 4.4437 | 0.0000 | 90.689 | 1.80623 | 4.40353 | 255851.7 | 38941.4 | 79441.4 | U/P |
| 11.217 | 4.3974 | 0.0000 | 90.687 | 1.80591 | 4.34458 | 255984.3 | 38995.6 | 79572.6 | U/P |
| 11.225 | 4.3558 | 0.0000 | 90.686 | 1.80559 | 4.28638 | 256115.6 | 39049.8 | 79702.1 | U/P |
| 11.233 | 4.3189 | 0.0000 | 90.684 | 1.80527 | 4.22905 | 256245.8 | 39103.9 | 79829.8 | U/P |
| 11.242 | 4.2861 | 0.0000 | 90.682 | 1.80496 | 4.17271 | 256374.8 | 39158.1 | 79955.8 | U/P |
| 11.250 | 4.2571 | 0.0000 | 90.681 | 1.80465 | 4.11744 | 256503.0 | 39212.2 | 80080.2 | U/P |
| 11.258 | 4.2319 | 0.0000 | 90.679 | 1.80435 | 4.06332 | 256630.3 | 39266.4 | 80202.9 | U/P |
| 11.267 | 4.2094 | 0.0000 | 90.678 | 1.80405 | 4.01040 | 256756.9 | 39320.5 | 80324.0 | U/P |
| 11.275 | 4.1894 | 0.0000 | 90.676 | 1.80375 | 3.95873 | 256882.9 | 39374.6 | 80443.5 | U/P |
| 11.283 | 4.1717 | 0.0000 | 90.675 | 1.80347 | 3.90832 | 257008.3 | 39428.7 | 80561.5 | U/P |
| 11.292 | 4.1560 | 0.0000 | 90.673 | 1.80319 | 3.85920 | 257133.3 | 39482.8 | 80678.1 | U/P |
| 11.300 | 4.1422 | 0.0000 | 90.672 | 1.80291 | 3.81136 | 257257.7 | 39536.9 | 80793.1 | U/P |
| 11.308 | 4.1300 | 0.0000 | 90.670 | 1.80264 | 3.76481 | 257381.8 | 39591.0 | 80906.8 | U/P |
| 11.317 | 4.1192 | 0.0000 | 90.669 | 1.80238 | 3.71956 | 257505.5 | 39645.1 | 81019.0 | U/P |
| 11.325 | 4.1098 | 0.0000 | 90.668 | 1.80212 | 3.67558 | 257629.0 | 39699.1 | 81129.9 | U/P |
| 11.333 | 4.1013 | 0.0000 | 90.666 | 1.80187 | 3.63286 | 257752.1 | 39753.2 | 81239.6 | U/P |
| 11.342 | 4.0938 | 0.0000 | 90.665 | 1.80163 | 3.59139 | 257875.1 | 39807.2 | 81347.9 | U/P |
| 11.350 | 4.0872 | 0.0000 | 90.664 | 1.80139 | 3.55113 | 257997.8 | 39861.3 | 81455.1 | U/P |
| 11.358 | 4.0814 | 0.0000 | 90.663 | 1.80116 | 3.51208 | 258120.3 | 39915.3 | 81561.0 | U/P |
| 11.367 | 4.0762 | 0.0000 | 90.661 | 1.80094 | 3.47419 | 258242.7 | 39969.4 | 81665.8 | U/P |
| 11.375 | 4.0715 | 0.0000 | 90.660 | 1.80072 | 3.43745 | 258364.9 | 40023.4 | 81769.5 | U/P |
| 11.383 | 4.0674 | 0.0000 | 90.659 | 1.80051 | 3.40182 | 258487.0 | 40077.4 | 81872.1 | U/P |
| 11.392 | 4.0639 | 0.0000 | 90.658 | 1.80030 | 3.36729 | 258609.0 | 40131.4 | 81973.6 | U/P |
| 11.400 | 4.0607 | 0.0000 | 90.657 | 1.80010 | 3.33381 | 258730.8 | 40185.4 | 82074.1 | U/P |
| 11.408 | 4.0578 | 0.0000 | 90.656 | 1.79990 | 3.30136 | 258852.6 | 40239.4 | 82173.7 | U/P |
| 11.417 | 4.0554 | 0.0000 | 90.655 | 1.79971 | 3.26992 | 258974.3 | 40293.4 | 82272.2 | U/P |
| 71.425 | 4.0531 | 0.0000 | 90.654 | 1.79952 | 3.23945 | 259095.9 | 40347.4 | 82369.9 | U/P |
| 11.433 | 4.0512 | 0.0000 | 90.653 | 1.79934 | 3.20992 | 259217.5 | 40401.4 | 82466.6 | U/P |
| 11.442 | 4.0494 | 0.0000 | 90.652 | 1.79917 | 3.18131 | 259339.0 | 40455.4 | 82562.5 | U/P |
| 11.450 | 4.0478 | 0.0000 | 90.651 | 1.79900 | 3.15359 | 259460.5 | 40509.3 | 82657.5 | U/P |
| 11.458 | 4.0463 | 0.0000 | 90.651 | 1.79883 | 3.12672 | 259581.9 | 40563.3 | 82751.7 | U/P |
| 11.467 | 4.0450 | 0.0000 | 90.650 | 1.79867 | 3.10069 | 259703.2 | 40617.3 | 82845.1 | U/P |
| 11.475 | 4.0438 | 0.0000 | 90.649 | 1.79852 | 3.07546 | 259824.6 | 40671.2 | 82937.8 | U/P |
| 11.483 | 4.0428 | 0.0000 | 90.648 | 1.79836 | 3.05101 | 259945.9 | 40725.2 | 83029.7 | U/P |
| 11.492 | 4.0420 | 0.0000 | 90.647 | 1.79822 | 3.02731 | 260067.1 | 40779.1 | 83120.8 | U/P |
| 11.500 | 4.0411 | 0.0000 | 90.647 | 1.79807 | 3.00435 | 260188.4 | 40833.1 | 83211.3 | U/P |
| 11.508 | 4.0401 | 0.0000 | 90.646 | 1.79793 | 2.98209 | 260309.6 | 40887.0 | 83301.1 | U/P |
| 11.517 | 4.0388 | 0.0000 | 90.645 | 1.79780 | 2.96050 | 260430.8 | 40940.9 | 83390.2 | U/P |
| 11.525 | 4.0370 | 0.0000 | 90.644 | 1.79767 | 2.93955 | 260551.9 | 40994.9 | 83478.7 | U/P |
| 11.533 | 4.0346 | 0.0000 | 90.644 | 1.79754 | 2.91919 | 260673.0 | 41048.8 | 83566.6 | U/P |
| 71.542 | 4.0314 | 0.0000 | 90.643 | 1.79741 | 2.89939 | 260794.0 | 41102.7 | 83653.9 | U/P |
| \$1.550 | 4.0271 | 0.0000 | 90.642 | 1.79729 | 2.88010 | 260914.9 | 41156.6 | 83740.6 | U/P |
| 11.558 | 4.0216 | 0.0000 | 90.642 | 1.79717 | 2.86127 | 261035.6 | 41210.6 | 83826.7 | U/P |
| 11.567 | 4.0148 | 0.0000 | 90.641 | 1.79705 | 2.84285 | 261156.1 | 41264.5 | 83912.3 | U/P |
| 11.575 | 4.0070 | 0.0000 | 90.641 | 1.79694 | 2.82479 | 261276.5 | 41318.4 | 83997.3 | U/P |
| 11.583 | 3.9984 | 0.0000 | 90.640 | \$.79683 | 2.80705 | 261396.5 | 41372.3 | 84081.8 | U/P |
| 11.592 | 3.9893 | 0.0000 | 90.639 | 1.79672 | 2.78960 | 261516.4 | 41426.2 | 84165.7 | U/P |
| 11.600 | 3.9800 | 0.0000 | 90.639 | 1.79661 | 2.77243 | 261635.9 | 41480.1 | 84249.2 | U/P |
| 11.608 | 3.9706 | 0.0000 | 90.638 | 1.79650 | 2.75552 | 261755.2 | 41534.0 | 84332.1 | U/P |
| 11.617 | 3.9613 | 0.0000 | 90.638 | 1.79639 | 2.73885 | 261874.1 | 41587.9 | 84414.5 | U/P |
| 11.625 | 3.9523 | 0.0000 | 90.637 | 1.79629 | 2.72244 | 261992.8 | 41641.8 | 84496.4 | U/P |
| 11.633 | 3.9437 | 0.0000 | 90.637 | 1.79618 | 2.70627 | 262111.3 | 41695.7 | 84577.8 | U/P |
| 11.642 | 3.9357 | 0.0000 | 90.636 | 1.79608 | 2.69036 | 262229.5 | 41749.5 | 84658.8 | U/P |
| 11.650 | 3.9283 | 0.0000 | 90.636 | 1.79598 | 2.67472 | 262347.4 | 41803.4 | 84739.3 | U/P |
| 11.658 | 3.9215 | 0.0000 | 90.635 | 1.79588 | 2.65934 | 262465.2 | 41857.3 | 84819.3 | U/P |
| +1.667 | 3.9155 | 0.0000 | 90.635 | 1.79578 | 2.64426 | 262582.8 | 41911.2 | 84898.8 | U/P |
| 11.675 | 3.9103 | 0.0000 | 90.634 | 1.79569 | 2.62946 | 262700.1 | 41965.1 | 84977.9 | U/P |
| 11.683 | 3.9058 | 0.0000 | 90.634 | 1.79559 | 2.61498 | 262817.4 | 42018.9 | 85056.6 | U/P |
| 11.692 | 3.9018 | 0.0000 | 90.633 | 1.79550 | 2.60081 | 262934.5 | 42072.8 | 85134.8 | U/P |
| 11.700 | 3.8984 | 0.0000 | 90.633 | 1.79541 | 2.58695 | 263051.5 | 42126.7 | 85212.7 | U/P |
| 11.708 | 3.8953 | 0.0000 | 90.632 | 1.79532 | 2.57342 | 263168.4 | 42180.5 | 85290.1 | U/P |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Outside Recharge (f/day) | Stage Elevation (ft datum) | Infilitration Rate ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Overfiow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative knflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 11.717 | 3.8926 | 0.0000 | 90.632 | 1.79523 | 2.56021 | 263285.2 | 42234.4 | 85367.1 | U/P |
| 11.725 | 3.8902 | 0.0000 | 90.631 | 1.79515 | 2.54732 | 263401.9 | 42288.2 | 85443.7 | U/P |
| 11.733 | 3.8880 | 0.0000 | 90.631 | 1.79507 | 2.53475 | 263518.6 | 42342.1 | 85519.9 | U/P |
| 11.742 | 3.8861 | 0.0000 | 90.630 | 1.79499 | 2.52249 | 263635.2 | 42395.9 | 85595.8 | U/P |
| 11.750 | 3.8843 | 0.0000 | 90.630 | 1.79491 | 2.51054 | 263751.8 | 42449.8 | 85671.3 | U/P |
| 11.758 | 3.8828 | 0.0000 | 90.630 | 1.79483 | 2.49889 | 263868.3 | 42503.6 | 85746.4 | U/P |
| 11.767 | 3.8815 | 0.0000 | 90.629 | 1.79475 | 2.48755 | 263984.8 | 42557.5 | 85821.2 | U/P |
| 11.775 | 3.8804 | 0.0000 | 90.629 | 1.79468 | 2.47650 | 264101.2 | 42611.3 | 85895.7 | U/P |
| 11.783 | 3.8793 | 0.0000 | 90.628 | 1.79461 | 2.46574 | 264217.6 | 42665.1 | 85969.8 | U/P |
| 11.792 | 3.8784 | 0.0000 | 90.628 | 1.79454 | 2.45527 | 264333.9 | 42719.0 | 86043.6 | U/P |
| 11.800 | 3.8776 | 0.0000 | 90.628 | 1.79447 | 2.44508 | 264450.3 | 42772.8 | 86117.1 | U/P |
| 11.808 | 3.8769 | 0.0000 | 90.627 | 1.79441 | 2.43516 | 264566.6 | 42826.7 | 86190.3 | U/P |
| 11.817 | 3.8762 | 0.0000 | 90.627 | 1.79434 | 2.42551 | 264682.9 | 42880.5 | 86263.2 | U/P |
| 11.825 | 3.8757 | 0.0000 | 90.627 | 1.79428 | 2.41612 | 264799.2 | 42934.3 | 86335.8 | U/P |
| 11.833 | 3.8752 | 0.0000 | 90.626 | 1.79422 | 2.40698 | 264915.4 | 42988.1 | 86408.2 | U/P |
| 11.842 | 3.8747 | 0.0000 | 90.626 | 1.79416 | 2.39809 | 265031.7 | 43042.0 | 86480.3 | U/P |
| 11.850 | 3.8743 | 0.0000 | 90.626 | 1.79410 | 2.38945 | 265147.9 | 43095.8 | 86552.1 | U/P |
| 11.858 | 3.8740 | 0.0000 | 90.626 | 1.79404 | 2.38104 | 265264.2 | 43149.6 | 86623.6 | U/P |
| 11.867 | 3.8737 | 0.0000 | 90.625 | 1.79399 | 2.37287 | 265380.4 | 43203.4 | 86695.0 | U/P |
| 11.875 | 3.8734 | 0.0000 | 90.625 | 1.79393 | 2.36491 | 265496.6 | 43257.3 | 86766.0 | U/P |
| 11.883 | 3.8732 | 0.0000 | 90.625 | 1.79388 | 2.35718 | 265612.8 | 43311.1 | 86836.8 | U/P |
| 11.892 | 3.8730 | 0.0000 | 90.624 | 1.79383 | 2.34966 | 265729.0 | 43364.9 | 86907.5 | U/P |
| 11.900 | 3.8728 | 0.0000 | 90.624 | 1.79378 | 2.34234 | 265845.2 | 43418.7 | 86977.8 | U/P |
| 11.908 | 3.8726 | 0.0000 | 90.624 | 1.79373 | 2.33523 | 265961.3 | 43472.5 | 87048.0 | U/P |
| 11.917 | 3.8725 | 0.0000 | 90.624 | 1.79368 | 2.32831 | 266077.5 | 43526.3 | 87118.0 | U/P |
| 11.925 | 3.8724 | 0.0000 | 90.623 | 1.79364 | 2.32158 | 266193.7 | 43580.1 | 87187.7 | U/P |
| 11.933 | 3.8722 | 0.0000 | 90.623 | 1.79359 | 2.31504 | 266309.8 | 43633.9 | 87257.2 | U/P |
| 11.942 | 3.8721 | 0.0000 | 90.623 | 1.79355 | 2.30868 | 266426.0 | 43687.8 | 87326.6 | U/P |
| 11.950 | 3.8720 | 0.0000 | 90.623 | 1.79351 | 2.30249 | 266542.2 | 43741.6 | 87395.8 | U/P |
| 11.958 | 3.8720 | 0.0000 | 90.623 | 1.79347 | 2.29647 | 266658.3 | 43795.4 | 87464.8 | U/P |
| 11.967 | 3.8719 | 0.0000 | 90.622 | 1.79343 | 2.29062 | 266774.5 | 43849.2 | 87533.6 | U/P |
| 11.975 | 3.8718 | 0.0000 | 90.622 | 1.79339 | 2.28493 | 266890.7 | 43903.0 | 87602.2 | U/P |
| 11.983 | 3.8718 | 0.0000 | 90.622 | 1.79335 | 2.27940 | 267006.8 | 43956.8 | 87670.7 | U/P |
| 11.992 | 3.8717 | 0.0000 | 90.622 | 1.79331 | 2.27402 | 267123.0 | 44010.6 | 87739.0 | U/P |
| 12.000 | 3.8717 | 0.0000 | 90.622 | 1.79328 | 2.26878 | 267239.1 | 44064.4 | 87807.1 | U/P |
| 12.008 | 3.8718 | 0.0000 | 90.621 | 1.79324 | 2.26369 | 267355.3 | 44118.2 | 87875.1 | U/P |
| $\$ 2.017$ | 3.8724 | 0.0000 | 90.621 | 1.79321 | 2.25876 | 267471.4 | 44172.0 | 87942.9 | U/P |
| 12.025 | 3.8736 | 0.0000 | 90.621 | 1.79318 | 2.25398 | 267587.6 | 44225.8 | 88010.6 | U/P |
| 12.033 | 3.8753 | 0.0000 | 90.621 | 1.79314 | 2.24937 | 267703.8 | 44279.6 | 88078.2 | U/P |
| 12.042 | 3.8780 | 0.0000 | 90.621 | 1.79311 | 2.24495 | 267820.2 | 44333.3 | 88145.6 | U/P |
| 12.050 | 3.8817 | 0.0000 | 90.621 | 1.79308 | 2.24073 | 267936.5 | 44387.1 | 88212.9 | U/P |
| 12.058 | 3.8865 | 0.0000 | 90.620 | 1.79306 | 2.23675 | 268053.1 | 44440.9 | 88280.0 | U/P |
| 12.067 | 3.8928 | 0.0000 | 90.620 | 1.79303 | 2.23302 | 268169.8 | 44494.7 | 88347.1 | U/P |
| 12.075 | 3.9001 | 0.0000 | 90.620 | 1.79301 | 2.22957 | 268286.7 | 44548.5 | 88414.0 | U/P |
| 12.083 | 3.9084 | 0.0000 | 90.620 | 1.79298 | 2.22642 | 268403.8 | 44602.3 | 88480.9 | U/P |
| 12.092 | 3.9173 | 0.0000 | 90.620 | 1.79296 | 2.22359 | 268521.2 | 44656.1 | 88547.6 | U/P |
| 12.100 | 3.9266 | 0.0000 | 90.620 | 1.79294 | 2.22108 | 268638.8 | 44709.9 | 88614.3 | U/P |
| 12,108 | 3.9361 | 0.0000 | 90.620 | 1.79293 | 2.21888 | 268756.8 | 44763.7 | 88680.9 | U/P |
| 12.117 | 3.9454 | 0.0000 | 90.620 | 1.79291 | 2.21700 | 268875.0 | 44817.5 | 88747.4 | U/P |
| 12.125 | 3.9546 | 0.0000 | 90.620 | 1.79290 | 2.21541 | 268993.5 | 44871.2 | 88813.9 | U/P |
| 12.133 | 3.9634 | 0.0000 | 90.620 | 1.79289 | 2.21410 | 269112.3 | 44925.0 | 88880.3 | U/P |
| 12.142 | 3.9717 | 0.0000 | 90.620 | 1.79288 | 2.21305 | 269231.3 | 44978.8 | 88946.7 | U/P |
| 12.150 | 3.9794 | 0.0000 | 90.620 | 1.79288 | 2.21225 | 269350.6 | 45032.6 | 89013.1 | U/P |
| 12.158 | 3.9866 | 0.0000 | 90.619 | 1.79287 | 2.21166 | 269470.0 | 45086.4 | 89079.5 | U/P |
| 12.167 | 3.9930 | 0.0000 | 90.619 | 1.79287 | 2.21127 | 269589.7 | 45140.2 | 89145.8 | U/P |
| 12.175 | 3.9986 | 0.0000 | 90.619 | 1.79287 | 2.21105 | 269709.6 | 45194.0 | 89212.2 | U/P |
| 12.183 | 4.0034 | 0.0000 | 90.619 | 1.79287 | 2.21097 | 269829.6 | 45247.7 | 89278.5 | U/P |
| 12.192 | 4.0075 | 0.0000 | 90.619 | 1.79287 | 2.21101 | 269949.8 | 45301.5 | 89344.8 | U/P |
| 12.200 | 4.0112 | 0.0000 | 90.619 | 1.79287 | 2.21116 | 270070.1 | 45355.3 | 89411.2 | U/P |
| 12.208 | 4.0145 | 0.0000 | 90.619 | 1.79287 | 2.21139 | 270190.5 | 45409.1 | 89477.5 | U/P |
| 12.217 | 4.0174 | 0.0000 | 90.619 | 1.79287 | 2.21170 | 270310.9 | 45462.9 | 89543.8 | U/P |
| 12.225 | 4.0199 | 0.0000 | 90.620 | 1.79287 | 2.21207 | 270431.5 | 45516.7 | 89610.2 | U/P |
| 12.233 | 4.0222 | 0.0000 | 90.620 | 1.79288 | 2.21250 | 270552.1 | 45570.5 | 89676.6 | U/P |
| 12.242 | 4.0243 | 0.0000 | 90.620 | 1.79288 | 2.21298 | 270672.8 | 45624.3 | 89743.0 | U/P |
| 12.250 | 4.0261 | 0.0000 | 90.620 | 1.79288 | 2.21349 | 270793.6 | 45678.0 | 89809.3 | U/P |
| 12.258 | 4.0277 | 0.0000 | 90.620 | 1.79289 | 2.21403 | 270914.4 | 45731.8 | 89875.8 | U/P |
| 12.267 | 4.0291 | 0.0000 | 90.620 | 1.79289 | 2.21460 | 271035.3 | 45785.6 | 89942.2 | U/P |
| 12.275 | 4.0303 | 0.0000 | 90.620 | 1.79289 | 2.21519 | 271156.1 | 45839.4 | 90008.6 | U/P |
| 12.283 | 4.0314 | 0.0000 | 90.620 | 1.79290 | 2.21579 | 271277.1 | 45893.2 | 90075.1 | U/P |
| 12.292 | 4.0324 | 0.0000 | 90.620 | 1.79290 | 2.21641 | 271398.0 | 45947.0 | 90141.6 | U/P |
| 12.300 | 4.0333 | 0.0000 | 90.620 | 1.79291 | 2.21703 | 271519.0 | 46000.8 | 90208.1 | U/P |
| 12.308 | 4.0340 | 0.0000 | 90.620 | 1.79291 | 2.21766 | 271640.0 | 46054.5 | 90274.6 | U/P |
| 12.317 | 4.0347 | 0.0000 | 90.620 | 1.79291 | 2.21830 | 271761.0 | 46108.3 | 90341.1 | U/P |
| 12.325 | 4.0353 | 0.0000 | 90.620 | 1.79292 | 2.21893 | 271882.1 | 46162.1 | 90407.7 | U/P |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Outside Recharge (It/day) | Stage Elevation (ft datum) | Inflitration Rate ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative unflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 12.333 | 4.0358 | 0.0000 | 90.620 | 1.79292 | 2.21956 | 272003.2 | 46215.9 | 90474.3 | U/P |
| 12.342 | 4.0363 | 0.0000 | 90.620 | 1.79293 | 2.22018 | 272124.3 | 46269.7 | 90540.9 | U/P |
| 12.350 | 4.0367 | 0.0000 | 90.620 | 1.79293 | 2.22080 | 272245.3 | 46323.5 | 90607.5 | U/P |
| 12.358 | 4.0371 | 0.0000 | 90.620 | 1.79294 | 2.22142 | 272366.4 | 46377.3 | 90674.1 | U/P |
| 12.367 | 4.0374 | 0.0000 | 90.620 | 1.79294 | 2.22203 | 272487.6 | 46431.1 | 90740.8 | U/P |
| 12.375 | 4.0377 | 0.0000 | 90.620 | 1.79294 | 2.22263 | 272608.7 | 46484.8 | 90807.4 | U/P |
| 12.383 | 4.0379 | 0.0000 | 90.620 | 1.79295 | 2.22322 | 272729.8 | 46538.6 | 90874.1 | U/P |
| 12.392 | 4.0382 | 0.0000 | 90.620 | 1.79295 | 2.22380 | 272851.0 | 46592.4 | 90940.8 | U/P |
| 12.400 | 4.0384 | 0.0000 | 90.620 | 1.79296 | 2.22437 | 272972.1 | 46646.2 | 91007.6 | U/P |
| 12.408 | 4.0385 | 0.0000 | 90.620 | 1.79296 | 2.22493 | 273093.3 | 46700.0 | 91074.3 | U/P |
| 12.417 | 4.0387 | 0.0000 | 90.620 | 1.79296 | 2.22548 | 273214.4 | 46753.8 | 91141.1 | U/P |
| 12.425 | 4.0388 | 0.0000 | 90.620 | 1.79297 | 2.22602 | 273335.6 | 46807.6 | 91207.8 | U/P |
| 12.433 | 4.0390 | 0.0000 | 90.620 | 1.79297 | 2.22655 | 273456.8 | 46861.4 | 91274.6 | U/P |
| 12.442 | 4.0391 | 0.0000 | 90.620 | 1.79297 | 2.22707 | 273577.9 | 46915.2 | 91341.4 | U/P |
| 12.450 | 4.0392 | 0.0000 | 90.620 | 1.79298 | 2.22758 | 273699.1 | 46968.9 | 91408.2 | U/P |
| 12.458 | 4.0393 | 0.0000 | 90.620 | 1.79298 | 2.22807 | 273820.3 | 47022.7 | 91475.1 | U/P |
| 12.467 | 4.0393 | 0.0000 | 90.620 | 1.79298 | 2.22856 | 273941.4 | 47076.5 | 91541.9 | U/P |
| 12.475 | 4.0394 | 0.0000 | 90.620 | 1.79299 | 2.22903 | 274062.6 | 47130.3 | 91608.8 | U/P |
| 12.483 | 4.0395 | 0.0000 | 90.620 | 1.79299 | 2.22950 | 274183.8 | 47184.1 | 91675.7 | U/P |
| 12.492 | 4.0395 | 0.0000 | 90.620 | 1.79299 | 2.22995 | 274305.0 | 47237.9 | 91742.6 | U/P |
| 12.500 | 4.0396 | 0.0000 | 90.620 | 1.79300 | 2.23039 | 274426.2 | 47291.7 | 91809.5 | U/P |
| 12.508 | 4.0395 | 0.0000 | 90.620 | 1.79300 | 2.23082 | 274547.4 | 47345.5 | 91876.4 | U/P |
| 12.517 | 4.0391 | 0.0000 | 90.620 | 1.79300 | 2.23123 | 274668.6 | 47399.3 | 91943.3 | U/P |
| 12.525 | 4.0383 | 0.0000 | 90.620 | 1.79301 | 2.23162 | 274789.7 | 47453.1 | 92010.3 | U/P |
| 12.533 | 4.0368 | 0.0000 | 90.620 | 1.79301 | 2.23196 | 274910.8 | 47506.8 | 92077.2 | U/P |
| 12.542 | 4.0346 | 0.0000 | 90.620 | 1.79301 | 2.23225 | 275031.9 | 47560.6 | 92144.2 | U/P |
| 12.550 | 4.0314 | 0.0000 | 90.620 | 1.79301 | 2.23245 | 275152.9 | 47614.4 | 92211.1 | U/P |
| 12.558 | 4.0271 | 0.0000 | 90.620 | 1.79301 | 2.23255 | 275273.8 | 47668.2 | 92278.1 | U/P |
| 12.567 | 4.0215 | 0.0000 | 90.620 | 1.79301 | 2.23252 | 275394.5 | 47722.0 | 92345.1 | U/P |
| 12.575 | 4.0147 | 0.0000 | 90.620 | 1.79301 | 2.23232 | 275515.1 | 47775.8 | 92412.1 | U/P |
| 12.583 | 4.0069 | 0.0000 | 90.620 | 1.79301 | 2.23193 | 275635.4 | 47829.6 | 92479.0 | U/P |
| 12.592 | 3.9982 | 0.0000 | 90.620 | 1.79301 | 2.23134 | 275755.4 | 47883.4 | 92546.0 | U/P |
| 12.600 | 3.9891 | 0.0000 | 90.620 | 1.79300 | 2.23052 | 275875.3 | 47937.2 | 92612.9 | U/P |
| 12.608 | 3.9797 | 0.0000 | 90.620 | 1.79300 | 2.22948 | 275994.8 | 47991.0 | 92679.8 | U/P |
| 12.617 | 3.9703 | 0.0000 | 90.620 | 1.79299 | 2.22822 | 276114.0 | 48044.7 | 92746.7 | U/P |
| 12.625 | 3.9610 | 0.0000 | 90.620 | 1.79298 | 2.22674 | 276233.0 | 48098.5 | 92813.5 | U/P |
| 12.633 | 3.9520 | 0.0000 | 90.620 | 1.79297 | 2.22506 | 276351.7 | 48152.3 | 92880.3 | U/P |
| 12.642 | 3.9435 | 0.0000 | 90.620 | 1.79296 | 2.22319 | 276470.1 | 48206.1 | 92947.0 | U/P |
| 12.650 | 3.9355 | 0.0000 | 90.620 | 1.79294 | 2.22116 | 276588.3 | 48259.9 | 93013.7 | U/P |
| 12.658 | 3.9281 | 0.0000 | 90.620 | 1.79293 | 2.21897 | 276706.3 | 48313.7 | 93080.3 | U/P |
| 12.667 | 3.9213 | 0.0000 | 90.620 | 1.79291 | 2.21666 | 276824.0 | 48367.5 | 93146.8 | U/P |
| 12.675 | 3.9153 | 0.0000 | 90.620 | 1.79290 | 2.21423 | 276941.6 | 48421.3 | 93213.3 | U/P |
| 12.683 | 3.9102 | 0.0000 | 90.619 | 1.79288 | 2.21173 | 277058.9 | 48475.1 | 93279.7 | U/P |
| 12.692 | 3.9057 | 0.0000 | 90.619 | 1.79286 | 2.20917 | 277176.2 | 48528.8 | 93346.0 | U/P |
| 12.700 | 3.9017 | 0.0000 | 90.619 | 1.79285 | 2.20656 | 277293.3 | 48582.6 | 93412.2 | U/P |
| 12.708 | 3.8983 | 0.0000 | 90.619 | 1.79283 | 2.20392 | 277410.3 | 48636.4 | 93478.4 | U/P |
| 12.717 | 3.8952 | 0.0000 | 90.619 | 1.79281 | 2.20128 | 277527.2 | 48690.2 | 93544.4 | U/P |
| 12.725 | 3.8925 | 0.0000 | 90.619 | 1.79279 | 2.19862 | 277644.0 | 48744.0 | 93610.4 | U/P |
| 12.733 | 3.8901 | 0.0000 | 90.619 | 1.79277 | 2.19597 | 277760.8 | 48797.8 | 93676.4 | U/P |
| 12.742 | 3.8879 | 0.0000 | 90.619 | 1.79276 | 2.19333 | 277877.4 | 48851.5 | 93742.2 | U/P |
| 12.750 | 3.8860 | 0.0000 | 90.619 | \$.79274 | 2.19071 | 277994.0 | 48905.3 | 93808.0 | U/P |
| 12.758 | 3.8843 | 0.0000 | 90.619 | $\uparrow .79272$ | 2.18811 | 278110.6 | 48959.1 | 93873.6 | U/P |
| 12.767 | 3.8828 | 0.0000 | 90.619 | 1.79270 | 2.18554 | 278227.1 | 49012.9 | 93939.2 | U/P |
| 12.775 | 3.8815 | 0.0000 | 90.618 | 1.79268 | 2.18300 | 278343.6 | 49066.7 | 94004.8 | U/P |
| 12.783 | 3.8803 | 0.0000 | 90.618 | 1.79267 | 2.18050 | 278460.0 | 49120.5 | 94070.2 | U/P |
| 12.792 | 3.8793 | 0.0000 | 90.618 | 1.79265 | 2.17803 | 278576.4 | 49174.2 | 94135.6 | U/P |
| 12.800 | 3.8784 | 0.0000 | 90.618 | 1.79263 | 2.17561 | 278692.8 | 49228.0 | 94200.9 | U/P |
| 12.808 | 3.8776 | 0.0000 | 90.618 | 1.79262 | 2.17323 | 278809.1 | 49281.8 | 94266.1 | U/P |
| 12.817 | 3.8768 | 0.0000 | 90.618 | 1.79260 | 2.17089 | 278925.4 | 49335.6 | 94331.3 | U/P |
| 12.825 | 3.8762 | 0.0000 | 90.618 | 1.79258 | 2.16860 | 279041.7 | 49389.3 | 94396.4 | U/P |
| 12.833 | 3.8757 | 0.0000 | 90.618 | 1.79257 | 2.16635 | 279158.0 | 49443.1 | 94461.4 | U/P |
| 12.842 | 3.8752 | 0.0000 | 90.618 | 1.79255 | 2.16415 | 279274.3 | 49496.9 | 94526.4 | U/P |
| 12.850 | 3.8747 | 0.0000 | 90.618 | 1.79254 | 2.16200 | 279390.5 | 49550.7 | 94591.3 | U/P |
| 12.858 | 3.8743 | 0.0000 | 90.618 | 1.79252 | 2.15989 | 279506.7 | 49604.5 | 94656.1 | U/P |
| 12.867 | 3.8740 | 0.0000 | 90.618 | 1.79251 | 2.15783 | 279622.9 | 49658.2 | 94720.9 | U/P |
| 12.875 | 3.8737 | 0.0000 | 90.617 | 1.79250 | 2.15582 | 279739.2 | 49712.0 | 94785.6 | U/P |
| 12.883 | 3.8734 | 0.0000 | 90.617 | 1.79248 | 2.15385 | 279855.4 | 49765.8 | 94850.2 | U/P |
| 12.892 | 3.8732 | 0.0000 | 90.617 | 1.79247 | 2.15193 | 279971.6 | 49819.5 | 94914.8 | U/P |
| 12.900 | 3.8730 | 0.0000 | 90.617 | 1.79246 | 2.15006 | 280087.8 | 49873.3 | 94979.3 | U/P |
| 12.908 | 3.8728 | 0.0000 | 90.617 | 1.79244 | 2.14823 | 280203.9 | 49927.1 | 95043.8 | U/P |
| 12.917 | 3.8726 | 0.0000 | 90.617 | 1.79243 | 2.14644 | 280320.1 | 49980.9 | 95108.2 | U/P |
| 12.925 | 3.8725 | 0.0000 | 90.617 | 1.79242 | 2.14470 | 280436.3 | 50034.6 | 95172.6 | U/P |
| 12.933 | 3.8724 | 0.0000 | 90.617 | 1.79241 | 2.14300 | 280552.5 | 50088.4 | 95236.9 | U/P |
| 12.942 | 3.8722 | 0.0000 | 90.617 | 1.79239 | 2.14134 | 280668.7 | 50142.2 | 95301.2 | U/P |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:. Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / 5}$ ) | Outside Recharge (fi/day) | Stage Elevation (ft datum) | Infilitration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{ft} / 3 / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Fiow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 12.950 | 3.8721 | 0.0000 | 90.617 | 1.79238 | 2.13973 | 280784.8 | 50196.0 | 95365.4 | U/P |
| 12.958 | 3.8720 | 0.0000 | 90.617 | 1.79237 | 2.13815 | 280901.0 | 50249.7 | 95429.6 | U/P |
| 12.967 | 3.8720 | 0.0000 | 90.617 | 1.79236 | 2.13662 | 281017.1 | 50303.5 | 95493.7 | U/P |
| 12.975 | 3.8719 | 0.0000 | 90.617 | 1.79235 | 2.13512 | 281133.3 | 50357.3 | 95557.7 | U/P |
| 12.983 | 3.8718 | 0.0000 | 90.617 | 1.79234 | 2.13366 | 281249.4 | 50411.0 | 95621.8 | U/P |
| 12.992 | 3.8718 | 0.0000 | 90.617 | 1.79233 | 2.13224 | 281365.6 | 50464.8 | 95685.8 | U/P |
| 13.000 | 3.8717 | 0.0000 | 90.617 | 1.79232 | 2.13086 | 281481.8 | 50518.6 | 95749.7 | U/P |
| 13.008 | 3.8716 | 0.0000 | 90.617 | 1.79231 | 2.12951 | 281597.9 | 50572.4 | 95873.6 | U/P |
| 13.017 | 3.8700 | 0.0000 | 90.616 | 1.79230 | 2.12817 | 281714.0 | 50626.1 | 95877.5 | U/P |
| 13.025 | 3.8655 | 0.0000 | 90.616 | 1.79229 | 2.12679 | 281830.1 | 50679.9 | 95941.3 | U/P |
| 13.033 | 3.8572 | 0.0000 | 90.616 | 1.79228 | 2.12528 | 281945.9 | 50733.7 | 96005.1 | U/P |
| 13.042 | 3.8444 | 0.0000 | 90.616 | 1.79227 | 2.12353 | 282061.4 | 50787.4 | 96068.8 | U/P |
| 13.050 | 3.8256 | 0.0000 | 90.616 | 1.79226 | 2.12141 | 282176.5 | 50841.2 | 96132.5 | U/P |
| 13.058 | 3.7994 | 0.0000 | 90.616 | 1.79224 | 2.11876 | 282290.8 | 50895.0 | 96196.1 | U/P |
| 13.067 | 3.7648 | 0.0000 | 90.616 | 1.79222 | 2.11539 | 282404.3 | 50948.7 | 96259.6 | U/P |
| 13.075 | 3.7209 | 0.0000 | 90.616 | 1.79219 | 2.11108 | 282516.6 | 51002.5 | 96323.0 | U/P |
| 13.083 | 3.6690 | 0.0000 | 90.616 | 1.79216 | 2.10564 | 282627.4 | 51056.3 | 96386.3 | U/P |
| 13.092 | 3.6110 | 0.0000 | 90.615 | 1.79212 | 2.09891 | 282736.7 | 51110.0 | 96449.3 | U/P |
| 13.100 | 3.5484 | 0.0000 | 90.615 | 1.79207 | 2.09080 | 282844.0 | 51163.8 | 96512.2 | U/P |
| 13.108 | 3.4829 | 0.0000 | 90.615 | 1.79201 | 2.08124 | 282949.5 | 51217.5 | 96574.8 | U/P |
| 13.117 | 3.4169 | 0.0000 | 90.614 | 1.79193 | 2.07023 | 283053.0 | 51271.3 | 96637.0 | U/P |
| 13.125 | 3.3512 | 0.0000 | 90.614 | 1.79185 | 2.05783 | 283154.5 | 51325.1 | 96699.0 | U/P |
| 13.133 | 3.2868 | 0.0000 | 90.613 | 4.79176 | 2.04408 | 283254.1 | 51378.8 | 96760.5 | U/P |
| 13.142 | 3.2254 | 0.0000 | 90.613 | 1.79166 | 2.02911 | 283351.8 | 51432.6 | 96821.6 | U/P |
| 13.150 | 3.1676 | 0.0000 | 90.612 | 1.79155 | 2.01302 | 283447.7 | 51486.3 | 96882.2 | U/P |
| 13.158 | 3.1135 | 0.0000 | 90.612 | 1.79143 | 1.99595 | 283541.9 | 51540.1 | 96942.3 | U/P |
| 13.167 | 3.0638 | 0.0000 | 90.611 | 1.79131 | 1.97804 | 283634.6 | 51593.8 | 97002.0 | U/P |
| 13.175 | 3.0190 | 0.0000 | 90.610 | 1.79118 | 1.95944 | 283725.8 | 51647.5 | 97061.0 | U/P |
| 13.183 | 2.9802 | 0.0000 | 90.610 | 1.79105 | 1.94031 | 283815.8 | 51701.3 | 97119.5 | U/P |
| 13.192 | 2.9467 | 0.0000 | 90.609 | 1.79091 | 1.92081 | 283904.7 | 51755.0 | 97177.4 | U/P |
| $\ddagger 3.200$ | 2.9176 | 0.0000 | 90.608 | 1.79077 | 1.90107 | 283992.7 | 51808.7 | 97234.8 | U/P |
| 13.208 | 2.8919 | 0.0000 | 90.607 | 1.79063 | 1.88122 | 284079.8 | 51862.5 | 97291.5 | U/P |
| 13.217 | 2.8692 | 0.0000 | 90.607 | 1.79048 | \$. 86132 | 284166.2 | 51916.2 | 97347.6 | U/P |
| 43.225 | 2.8491 | 0.0000 | 90.606 | 1.79034 | 1.84146 | 284252.0 | 51969.9 | 97403.2 | U/P |
| 13.233 | 2.8312 | 0.0000 | 90.605 | 1.79020 | 1.82170 | 284337.2 | 52023.6 | 97458.1 | U/P |
| 13.242 | 2.8152 | 0.0000 | 90.604 | 1.79005 | 1.80207 | 284421.9 | 52077.3 | 97512.5 | U/P |
| 13.250 | 2.8010 | 0.0000 | 90.603 | 1.78991 | 1.78263 | 284506.1 | 52131.0 | 97566.2 | U/P |
| 13.258 | 2.7884 | 0.0000 | 90.603 | 1.78977 | 1.76341 | 284590.0 | 52184.7 | 97619.4 | U/P |
| 13.267 | 2.7772 | 0.0000 | 90.602 | 1.78963 | 1.74444 | 284673.4 | 52238.4 | 97672.1 | U/P |
| 13.275 | 2.7675 | 0.0000 | 90.601 | 1.78949 | 1.72575 | 284756.6 | 52292.1 | 97724.1 | U/P |
| 13.283 | 2.7588 | 0.0000 | 90.601 | 1.78935 | 1.70737 | 284839.5 | 52345.7 | 97775.6 | U/P |
| 13.292 | 2.7511 | 0.0000 | 90.600 | 1.78922 | 1.68929 | 284922.2 | 52399.4 | 97826.6 | U/P |
| 13.300 | 2.7443 | 0.0000 | 90.599 | 1.78908 | 1.67154 | 285004.6 | 52453.1 | 97877.0 | U/P |
| 13.308 | 2.7383 | 0.0000 | 90.598 | 1.78895 | 1.65413 | 285086,8 | 52506.8 | 97926.8 | U/P |
| 13.317 | 2.7330 | 0.0000 | 90.598 | 1.78882 | 1.63707 | 285168.9 | 52560.4 | 97976.2 | U/P |
| 13.325 | 2.7283 | 0.0000 | 90.597 | 1.78869 | 1.62035 | 285250.8 | 52614.1 | 98025.1 | U/P |
| 13.333 | 2.7241 | 0.0000 | 90.596 | 1.78857 | 1.60399 | 285332.6 | 52667.8 | 98073.4 | U/P |
| 13.342 | 2.7205 | 0.0000 | 90.596 | 1.78844 | 1.58798 | 285414.3 | 52721.4 | 98121.3 | U/P |
| 13.350 | 2.7172 | 0.0000 | 90.595 | 1.78832 | 1.57233 | 285495.8 | 52775.1 | 98168.7 | U/P |
| 13.358 | 2.7143 | 0.0000 | 90.595 | 1.78821 | 1.55702 | 285577.3 | 52828.7 | 98215.7 | U/P |
| 13.367 | 2.7118 | 0.0000 | 90.594 | 1.78809 | 1.54207 | 285658.7 | 52882.4 | 98262.2 | U/P |
| 13.375 | 2.7095 | 0.0000 | 90.593 | 1.78798 | 1.52746 | 285740.0 | 52936.0 | 98308.2 | U/P |
| 13.383 | 2.7075 | 0.0000 | 90.593 | 1.78786 | 1.51319 | 285821.3 | 52989.6 | 98353.8 | U/P |
| 13.392 | 2.7058 | 0.0000 | 90.592 | 1.78776 | 1.49925 | 285902.5 | 53043.3 | 98399.0 | U/P |
| 13.400 | 2.7042 | 0.0000 | 90.592 | 1.78765 | 1.48565 | 285983.6 | 53096.9 | 98443.8 | U/P |
| 13.408 | 2.7028 | 0.0000 | 90.591 | 1.78754 | 1.47237 | 286064.8 | 53150.5 | 98488.1 | U/P |
| 13.417 | 2.7016 | 0.0000 | 90.591 | 1.78744 | 1.45941 | 286145.8 | 53204.2 | 98532.1 | U/P |
| 13.425 | 2.7005 | 0.0000 | 90.590 | 1.78734 | 1.44676 | 286226.8 | 53257.8 | 98575.7 | U/P |
| 13.433 | 2.6995 | 0.0000 | 90.590 | 1.78724 | 1.43442 | 286307.8 | 53311.4 | 98648.9 | U/P |
| 13.442 | 2.6987 | 0.0000 | 90.589 | 1.78715 | 1.42238 | 286388.8 | 53365.0 | 98661.8 | U/P |
| 13.450 | 2.6979 | 0.0000 | 90.589 | 1.78705 | 1.41063 | 286469.8 | 53418.6 | 98704.3 | U/P |
| 13.458 | 2.6972 | 0.0000 | 90.588 | 1.78696 | 1.39916 | 286550.7 | 53472.2 | 98746.4 | U/P |
| 13.467 | 2.6966 | 0.0000 | 90.588 | 1.78687 | 1.38798 | 286631.6 | 53525.8 | 98788.2 | U/P |
| 13.475 | 2.6960 | 0.0000 | 90.587 | 1.78678 | 1.37707 | 286712.5 | 53579.4 | 98829.7 | U/P |
| 13.483 | 2.6955 | 0.0000 | 90.587 | 1.78670 | 1.36642 | 286793.3 | 53633.0 | 98870.9 | U/P |
| 13.492 | 2.6951 | 0.0000 | 90.586 | 1.78661 | 1.35604 | 286874.2 | 53686.6 | 98911.7 | U/P |
| 13.500 | 2.6947 | 0.0000 | 90.586 | 1.78653 | 1.34590 | 286955.1 | 53740.2 | 98952.2 | U/P |
| 13.508 | 2.6944 | 0.0000 | 90.585 | 1.78645 | 1.33602 | 287035.9 | 53793.8 | 98992.5 | U/P |
| 13.517 | 2.6941 | 0.0000 | 90.585 | 1.78637 | 1.32637 | 287116.7 | 53847.4 | 99032.4 | U/P |
| 13.525 | 2.6937 | 0.0000 | 90.585 | 1.78629 | 1.31696 | 287197.5 | 53901.0 | 99072.0 | U/P |
| 13.533 | 2.6933 | 0.0000 | 90.584 | $\uparrow .78622$ | 1.30777 | 287278.3 | 53954.6 | 99111.4 | U/P |
| 13.542 | 2.6928 | 0.0000 | 90.584 | 1.78614 | 1.29880 | 287359.1 | 54008.2 | 99150.5 | U/P |
| 13.550 | 2.6921 | 0.0000 | 90.583 | 1.78607 | 1.29004 | 287439.9 | 54061.8 | 99189.3 | U/P |
| 13.558 | 2.6913 | 0.0000 | 90.583 | 1.78600 | 1.28148 | 287520.7 | 54115.4 | 99227.9 | U/P |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / 5}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{t}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 13.567 | 2.6902 | 0.0000 | 90.583 | 1.78593 | 1.27311 | 287601.4 | 54168.9 | 99266.2 | U/P |
| 13.575 | 2.6888 | 0.0000 | 90.582 | 1.78586 | 1.26491 | 287682.1 | 54222.5 | 99304.3 | U/P |
| 13.583 | 2.6871 | 0.0000 | 90.582 | 1.78580 | 1.25688 | 287762.7 | 54276.1 | 99342.1 | U/P |
| 13.592 | 2.6851 | 0.0000 | 90.582 | 1.78573 | 1.24900 | 287843.3 | 54329.7 | 99379.7 | U/P |
| 13.600 | 2.6829 | 0.0000 | 90.581 | 1.78567 | 1.24127 | 287923.8 | 54383.2 | 99417.1 | U/P |
| 13.608 | 2.6806 | 0.0000 | 90.581 | 1.78560 | 1.23368 | 288004.3 | 54436.8 | 99454.2 | U/P |
| 13.617 | 2.6782 | 0.0000 | 90.581 | 1.78554 | 1.22622 | 288084.6 | 54490.4 | 99491.1 | U/P |
| 13.625 | 2.6759 | 0.0000 | 90.580 | 1.78548 | 1.21888 | 288164.9 | 54543.9 | 99527.8 | U/P |
| 13.633 | 2.6735 | 0.0000 | 90.580 | 1.78542 | 1.21167 | 288245.2 | 54597.5 | 99564.2 | U/P |
| 13.642 | 2.6713 | 0.0000 | 90.580 | 1.78536 | 1.20458 | 288325.4 | 54651.1 | 99600.5 | U/P |
| 13.650 | 2.6691 | 0.0000 | 90.579 | 1.78530 | 1.19762 | 288405.5 | 54704.6 | 99636.5 | U/P |
| 13.658 | 2.6671 | 0.0000 | 90.579 | 1.78524 | 1.19077 | 288485.5 | 54758.2 | 99672.3 | U/P |
| 13.667 | 2.6652 | 0.0000 | 90.579 | 1.78518 | 1.18405 | 288565.5 | 54811.7 | 99708.0 | U/P |
| 13.675 | 2.6635 | 0.0000 | 90.578 | 1.78513 | 1.17744 | 288645.4 | 54865.3 | 99743.4 | U/P |
| 13.683 | 2.6621 | 0.0000 | 90.578 | $\uparrow .78507$ | 1.17096 | 288725.3 | 54918.8 | 99778.6 | U/P |
| 13.692 | 2.6608 | 0.0000 | 90.578 | 1.78502 | 1.16460 | 288805.2 | 54972.4 | 99813.6 | U/P |
| 13.700 | 2.6596 | 0.0000 | 90.578 | 1.78497 | 1.15836 | 288885.0 | 55025.9 | 99848.5 | U/P |
| 13.708 | 2.6587 | 0.0000 | 90.577 | 1.78491 | 1.15225 | 288964.7 | 55079.5 | 99883.1 | U/P |
| 13.717 | 2.6578 | 0.0000 | 90.577 | 1.78486 | 1.14626 | 289044.5 | 55133.0 | 99917.6 | U/P |
| 13.725 | 2.6570 | 0.0000 | 90.577 | 1.78481 | 1.14039 | 289124.2 | 55186.6 | 99951.9 | U/P |
| 13.733 | 2.6563 | 0.0000 | 90.577 | 1.78476 | 1.13464 | 289203.9 | 55240.1 | 99986.0 | U/P |
| 13.742 | 2.6557 | 0.0000 | 90.576 | 1.78471 | 1.12901 | 289283.6 | 55293.7 | 100020.0 | U/P |
| 13.750 | 2.6552 | 0.0000 | 90.576 | 1.78467 | 1.12350 | 289363.3 | 55347.2 | 100053.8 | U/P |
| 13.758 | 2.6547 | 0.0000 | 90.576 | 1.78462 | 1.11811 | 289442.9 | 55400.7 | 100087.4 | U/P |
| 13.767 | 2.6543 | 0.0000 | 90.576 | 1.78457 | 1.11283 | 289522.5 | 55454.3 | 100120.9 | U/P |
| 13.775 | 2.6539 | 0.0000 | 90.575 | 1.78453 | 1.10766 | 289602.2 | 55507.8 | 100154.2 | U/P |
| 13.783 | 2.6536 | 0.0000 | 90.575 | 1.78449 | 1.10260 | 289681.8 | 55561.4 | 100187.3 | U/P |
| 13.792 | 2.6533 | 0.0000 | 90.575 | 1.78444 | 1.09765 | 289761.4 | 55614.9 | 100220.3 | U/P |
| 13.800 | 2.6530 | 0.0000 | 90.575 | 1.78440 | 1.09281 | 289841.0 | 55668.4 | 100253.2 | U/P |
| 13.808 | 2.6528 | 0.0000 | 90.574 | 1.78436 | 1.08808 | 289920.6 | 55722.0 | 100285.9 | U/P |
| 13.817 | 2.6526 | 0.0000 | 90.574 | 1.78432 | 1.08344 | 290000.1 | 55775.5 | 100318.5 | U/P |
| 13.825 | 2.6524 | 0.0000 | 90.574 | 1.78428 | 1.07891 | 290079.7 | 55829.0 | 100350.9 | U/P |
| 13.833 | 2.6523 | 0.0000 | 90.574 | 1.78424 | 7.07448 | 290159.3 | 55882.5 | 100383.2 | U/P |
| 13.842 | 2.6521 | 0.0000 | 90.574 | 1.78420 | §.07014 | 290238.8 | 55936.1 | 100415.4 | U/P |
| 13.850 | 2.6520 | 0.0000 | 90.573 | 1.78416 | 1.06590 | 290318.4 | 55989.6 | 100447.4 | U/P |
| 13.858 | 2.6519 | 0.0000 | 90.573 | 1.78413 | 1.06175 | 290398.0 | 56043.1 | 100479.3 | U/P |
| 13.867 | 2.6518 | 0.0000 | 90.573 | 1.78409 | 1.05769 | 290477.5 | 56096.6 | 100511.1 | U/P |
| 13.875 | 2.6517 | 0.0000 | 90.573 | 1.78406 | 1.05372 | 290557.1 | 56150.2 | 100542.8 | U/P |
| 13.883 | 2.6516 | 0.0000 | 90.573 | 8.16633 | 1.04983 | 290636.6 | 56203.7 | 100574.3 | U/P |
| 13.892 | 2.6516 | 0.0000 | 90.561 | 14.61752 | 0.78861 | 290716.2 | 56640.1 | 100586.2 | U/S |
| 13.900 | 2.6515 | 0.0000 | 90.548 | 14.91372 | 0.55597 | 290795.7 | 57080.7 | 100606.3 | S |
| 13.908 | 2.6514 | 0.0000 | 90.536 | 15.22656 | 0.34951 | 290875.3 | 57535.0 | 100619.9 | S |
| 13.917 | 2.6514 | 0.0000 | 90.523 | 15.27090 | 0.17844 | 290954.8 | 57994.3 | 100627.8 | S |
| 13.925 | 2.6514 | 0.0000 | 90.511 | 15.08792 | 0.05369 | 291034.3 | 58451.2 | 100631.3 | S |
| 13.933 | 2.6513 | 0.0000 | 90.499 | 14.71919 | 0.00052 | 291113.9 | 58899.6 | 100632.1 | S |
| 13.942 | 2.6513 | 0.0000 | 90.487 | 14.19855 | 0.00000 | 291193.4 | 59334.4 | 100632.1 | S |
| 13.950 | 2.6513 | 0.0000 | 90.476 | 13.58131 | 0.00000 | 291273.0 | 59751.5 | 100632.1 | S |
| 13.958 | 2.6512 | 0.0000 | 90.465 | 12.92437 | 0.00000 | 291352.5 | 60149.3 | 100632.1 | S |
| 13.967 | 2.6512 | 0.0000 | 90.456 | 12.26255 | 0.00000 | 291432.0 | 60527.0 | 100632.1 | S |
| 13.975 | 2.6512 | 0.0000 | 90.447 | 11.62103 | 0.00000 | 291511.6 | 60885.0 | 100632.1 | S |
| 13.983 | 2.6512 | 0.0000 | 90.438 | 11.01626 | 0.00000 | 291591.1 | 61224.2 | 100632.1 | S |
| 13.992 | 2.6512 | 0.0000 | 90.430 | 10.45749 | 0.00000 | 291670.6 | 61546.0 | 100632.1 | S |
| 14.000 | 2.6492 | 0.0000 | 90.423 | 9.94853 | 0.00000 | 291750.2 | 61851.7 | 100632.1 | S |
| 14.008 | 2.6433 | 0.0000 | 90.416 | 9.48929 | 0.00000 | 291829.5 | 62142.9 | 100632.1 | S |
| 14.017 | 2.6322 | 0.0000 | 90.409 | 9.07722 | 0.00000 | 291908.7 | 62421.0 | 100632.1 | S |
| 14.025 | 2.6150 | 0.0000 | 90.403 | 8.70838 | 0.00000 | 291987.4 | 62687.5 | 100632.1 | S |
| 14.033 | 2.5895 | 0.0000 | 90.397 | 8.37818 | 0.00000 | 292065.4 | 62943.6 | 100632.1 | S |
| 14.042 | 2.5540 | 0.0000 | 90.391 | 8.08194 | 0.00000 | 292142.6 | 63190.2 | 100632.1 | S |
| 14.050 | 2.5068 | 0.0000 | 90.386 | 7.81518 | 0.00000 | 292218.5 | 63428.5 | 100632.1 | S |
| 14.058 | 2.4465 | 0.0000 | 90.381 | 7.57383 | 0.00000 | 292292.8 | 63659.1 | 100632.1 | S |
| 14.067 | 2.3751 | 0.0000 | 90.376 | 7.35431 | 0.00000 | 292365.1 | 63882.9 | 100632.4 | S |
| 14.075 | 2.2948 | 0.0000 | 90.371 | 7.15351 | 0.00000 | 292435.2 | 64100.4 | 100632.1 | S |
| 14.083 | 2.2081 | 0.0000 | 90.366 | 6.96881 | 0.00000 | 292502.7 | 64312.1 | 100632.1 | S |
| 14.092 | 2.1170 | 0.0000 | 90.361 | 6.79803 | 0.00000 | 292567.6 | 64518.5 | 100632.1 | S |
| 14.100 | 2.0252 | 0.0000 | 90.357 | 6.63933 | 0.00000 | 292629.7 | 64720.0 | 100632.1 | S |
| 14.108 | 1.9335 | 0.0000 | 90.352 | 6.49120 | 0.00000 | 292689.1 | 64916.9 | 100632.1 | S |
| 14.117 | 1.8436 | 0.0000 | 90.348 | 6.35240 | 0.00000 | 292745.8 | 65109.5 | 100632.1 | S |
| 14.125 | 1.7578 | 0.0000 | 90.343 | 6.22188 | 0.00000 | 292799.8 | 65298.0 | 100632.1 | S |
| 14.133 | 1.6768 | 0.0000 | 90.339 | 6.09878 | 0.00000 | 292851.3 | 65482.8 | 100632.1 | S |
| 14.142 | 1.6010 | 0.0000 | 90.334 | 5.98238 | 0.00000 | 292900.5 | 65663.9 | 100632.1 | S |
| 14.150 | 1.5313 | 0.0000 | 90.330 | 5.87205 | 0.00000 | 292947.5 | 65841.7 | 100632.1 | S |
| 14.158 | 1.4683 | 0.0000 | 90.326 | 5.76728 | 0.00000 | 292992.4 | 66016.3 | 100632.1 | S |
| 14.167 | 1.4137 | 0.0000 | 90.321 | 5.66763 | 0.00000 | 293035.7 | 66187.8 | 100632.1 | S |
| 14.175 | 1.3664 | 0.0000 | 90.317 | 5.57268 | 0.00000 | 293077.4 | 66356.3 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{H}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation ( f datum) | Infiltration Rate (ft ${ }^{3}$ s) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Infow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 14.183 | 1.3254 | 0.0000 | 90.313 | 5.48211 | 0.00000 | 293117.8 | 66522.1 | 100632.1 | S |
| 14.192 | 1.2893 | 0.0000 | 90.309 | 5.39558 | 0.00000 | 293157.0 | 66685.2 | 100632.1 | S |
| 14.200 | 1.2573 | 0.0000 | 90.305 | 5.31283 | 0.00000 | 293195.2 | 66845.8 | 100632.1 | S |
| 14.208 | 1.2291 | 0.0000 | 90.301 | 5.23360 | 0.00000 | 293232.5 | 67004.0 | 100632.1 | S |
| 14.217 | 1.2040 | 0.0000 | 90.297 | 5.15764 | 0.00000 | 293269.0 | 67159.9 | 100632.1 | S |
| 14.225 | 1.1815 | 0.0000 | 90.293 | 5.08476 | 0.00000 | 293304.8 | 67313.5 | 100632.1 | S |
| 14.233 | 1.1615 | 0.0000 | 90.289 | 5.01475 | 0.00000 | 293339.9 | 67465.0 | 100632.1 | S |
| 14.242 | 1.1437 | 0.0000 | 90.285 | 4.94743 | 0.00000 | 293374.5 | 67614.4 | 100632.1 | S |
| 14.250 | 1.1280 | 0.0000 | 90.281 | 4.88265 | 0.00000 | 293408.5 | 67761.8 | 100632.1 | S |
| 14.258 | 1.1144 | 0.0000 | 90.278 | 4.82025 | 0.00000 | 293442.2 | 67907.3 | 100632.1 | S |
| 14.267 | 1.1021 | 0.0000 | 90.274 | 4.76009 | 0.00000 | 293475.4 | 68051.0 | 100632.1 | S |
| 14.275 | 1.0913 | 0.0000 | 90.270 | 4.70204 | 0.00000 | 293508.3 | 68192.9 | 100632.1 | S |
| 14.283 | 1.0818 | 0.0000 | 90.267 | 4.64599 | 0.00000 | 293540.9 | 68333.1 | 100632.1 | S |
| 14.292 | 1.0732 | 0.0000 | 90.263 | 4.59182 | 0.00000 | 293573.3 | 68471.7 | 100632.1 | S |
| 14.300 | 1.0658 | 0.0000 | 90.260 | 4.53943 | 0.00000 | 293605.3 | 68608.6 | 100632.1 | S |
| 14.308 | 1.0591 | 0.0000 | 90.256 | 4.48873 | 0.00000 | 293637.2 | 68744.1 | 100632.1 | S |
| 14.317 | 1.0533 | 0.0000 | 90.253 | 4.43962 | 0.00000 | 293668.9 | 68878.0 | 100632.1 | S |
| 14.325 | 1.0482 | 0.0000 | 90.249 | 4.39203 | 0.00000 | 293700.4 | 69010.4 | 100632.1 | S |
| 14.333 | 1.0436 | 0.0000 | 90.246 | 4.34588 | 0.00000 | 293731.8 | 69141.5 | 100632.1 | S |
| 14.342 | 1.0396 | 0.0000 | 90.243 | 4.30110 | 0.00000 | 293763.0 | 69271.2 | 100632.1 | S |
| 14.350 | 1.0360 | 0.0000 | 90.239 | 4.25762 | 0.00000 | 293794.2 | 69399.6 | 100632.1 | S |
| 14.358 | 1.0328 | 0.0000 | 90.236 | 4.21538 | 0.00000 | 293825.2 | 69526.6 | 100632.1 | S |
| 14.367 | 1.0300 | 0.0000 | 90.233 | 4.17433 | 0.00000 | 293856.2 | 69652.5 | 100632.1 | S |
| 14.375 | 1.0275 | 0.0000 | 90.230 | 4.13441 | 0.00000 | 293887.0 | 69777.1 | 100632.1 | S |
| 14.383 | 1.0253 | 0.0000 | 90.227 | 4.09556 | 0.00000 | 293917.8 | 69900.5 | 100632.1 | S |
| 14.392 | 1.0233 | 0.0000 | 90.224 | 4.05775 | 0.00000 | 293948.5 | 70022.8 | 100632.1 | S |
| 14.400 | 1.0216 | 0.0000 | 90.220 | 4.02093 | 0.00000 | 293979.2 | 70144.0 | 100632.1 | S |
| 14.408 | 1.0201 | 0.0000 | 90.217 | 3.98505 | 0.00000 | 294009.8 | 70264.1 | 100632.1 | S |
| 14.417 | 1.0187 | 0.0000 | 90.214 | 3.95008 | 0.00000 | 294040.4 | 70383.1 | 100632.1 | S |
| 14.425 | 1.0175 | 0.0000 | 90.212 | 3.91598 | 0.00000 | 294071.0 | 70501.1 | 100632.1 | S |
| 14.433 | 1.0164 | 0.0000 | 90.209 | 3.88272 | 0.00000 | 294101.5 | 70618.1 | 100632.1 | S |
| 14.442 | 1.0155 | 0.0000 | 90.206 | 3.85025 | 0.00000 | 294131.9 | 70734.1 | 100632.1 | S |
| 14.450 | 1.0146 | 0.0000 | 90.203 | 3.81856 | 0.00000 | 294162.4 | 70849.1 | 100632.1 | S |
| 14.458 | 1.0138 | 0.0000 | 90.200 | 3.78760 | 0.00000 | 294192.8 | 70963.2 | 100632.1 | S |
| 14.467 | 1.0131 | 0.0000 | 90.197 | 3.75736 | 0.00000 | 294223.2 | 71076.3 | 100632.1 | S |
| 14.475 | 1.0125 | 0.0000 | 90.194 | 3.72780 | 0.00000 | 294253.6 | 71188.6 | 100632.1 | S |
| 14.483 | 1.0119 | 0.0000 | 90.192 | 3.69890 | 0.00000 | 294284.0 | 71300.0 | 100632.1 | S |
| 14.492 | 1.0115 | 0.0000 | 90.189 | 3.67064 | 0.00000 | 294314.3 | 71410.5 | 100632.1 | S |
| 14.500 | 1.0111 | 0.0000 | 90.186 | 3.64299 | 0.00000 | 294344.7 | 71520.2 | 100632.1 | S |
| 14.508 | 1.0107 | 0.0000 | 90.184 | 3.61594 | 0.00000 | 294375.0 | 71629.1 | 100632.1 | S |
| 14.517 | 1.0105 | 0.0000 | 90.181 | 3.58946 | 0.00000 | 294405.3 | 71737.2 | 100632.1 | S |
| 14.525 | 1.0103 | 0.0000 | 90.178 | 3.56353 | 0.00000 | 294435.6 | 71844.5 | 100632.1 | S |
| 14.533 | 1.0102 | 0.0000 | 90.176 | 3.53813 | 0.00000 | 294465.9 | 71951.0 | 100632.1 | S |
| 14.542 | 1.0101 | 0.0000 | 90.173 | 3.51325 | 0.00000 | 294496.2 | 72056.8 | 100632.1 | S |
| 14.550 | 1.0101 | 0.0000 | 90.171 | 3.48886 | 0.00000 | 294526.5 | 72161.8 | 100632.1 | S |
| 14.558 | 1.0101 | 0.0000 | 90.168 | 3.46496 | 0.00000 | 294556.8 | 72266.1 | 100632.1 | S |
| 14.567 | 1.0101 | 0.0000 | 90.166 | 3.44153 | 0.00000 | 294587.1 | 72369.7 | 100632.1 | S |
| 14.575 | 1.0101 | 0.0000 | 90.163 | 3.41855 | 0.00000 | 294617.4 | 72472.6 | 100632.1 | S |
| 14.583 | 1.0101 | 0.0000 | 90.161 | 3.39600 | 0.00000 | 294647.8 | 72574.8 | 100632.1 | S |
| 14.592 | 1.0101 | 0.0000 | 90.158 | 3.37388 | 0.00000 | 294678.0 | 72676.4 | 100632.1 | S |
| 14.600 | 1.0101 | 0.0000 | 90.156 | 3.35218 | 0.00000 | 294708.3 | 72777.3 | 100632.1 | S |
| 14.608 | 1.0101 | 0.0000 | 90.154 | 3.33087 | 0.00000 | 294738.7 | 72877.5 | 100632.1 | S |
| 14.617 | 1.0100 | 0.0000 | 90.151 | 3.30994 | 0.00000 | 294768.9 | 72977.1 | 100632.1 | S |
| 14.625 | 1.0100 | 0.0000 | 90.149 | 3.28939 | 0.00000 | 294799.3 | 73076.1 | 100632.1 | S |
| 14.633 | 1.0100 | 0.0000 | 90.147 | 3.26921 | 0.00000 | 294829.6 | 73174.5 | 100632.1 | S |
| 14.642 | 1.0100 | 0.0000 | 90.144 | 3.24938 | 0.00000 | 294859.8 | 73272.2 | 100632.1 | S |
| 14.650 | 1.0100 | 0.0000 | 90.142 | 3.22989 | 0.00000 | 294890.2 | 73369.4 | 100632.1 | S |
| 14.658 | 1.0100 | 0.0000 | 90.140 | 3.21074 | 0.00000 | 294920.5 | 73466.0 | 100632.1 | S |
| 14.667 | 1.0100 | 0.0000 | 90.138 | 3.19191 | 0.00000 | 294950.8 | 73562.1 | 100632.1 | S |
| 14.675 | 1.0100 | 0.0000 | 90.135 | 3.17339 | 0.00000 | 294981.1 | 73657.6 | 100632.1 | S |
| 14.683 | 1.0100 | 0.0000 | 90.133 | 3.15519 | 0.00000 | 295011.3 | 73752.5 | 100632.1 | S |
| 14.692 | 1.0100 | 0.0000 | 90.131 | 3.13728 | 0.00000 | 295041.7 | 73846.9 | 100632.1 | S |
| 14.700 | 1.0100 | 0.0000 | 90.129 | 3.11966 | 0.00000 | 295072.0 | 73940.7 | 100632.1 | S |
| 14.708 | 1.0100 | 0.0000 | 90.127 | 3.10233 | 0.00000 | 295102.3 | 74034.0 | 100632.1 | S |
| $\uparrow 4.717$ | 1.0100 | 0.0000 | 90.125 | 3.08527 | 0.00000 | 295132.6 | 74126.9 | 100632.1 | S |
| 14.725 | 1.0100 | 0.0000 | 90.123 | 3.06848 | 0.00000 | 295162.8 | 74219.2 | 100632.1 | S |
| 14.733 | 1.0100 | 0.0000 | 90.120 | 3.05195 | 0.00000 | 295193.2 | 74311.0 | 100632.1 | S |
| 14.742 | 1.0100 | 0.0000 | 90.118 | 3.03568 | 0.00000 | 295223.4 | 74402.3 | 100632.1 | S |
| 14.750 | 1.0100 | 0.0000 | 90.116 | 3.01965 | 0.00000 | 295253.8 | 74493.1 | 100632.1 | S |
| 14.758 | 1.0100 | 0.0000 | 90.114 | 3.00387 | 0.00000 | 295284.0 | 74583.5 | 100632.1 | S |
| 14.767 | 1.0100 | 0.0000 | 90.112 | 2.98833 | 0.00000 | 295314.3 | 74673.3 | 100632.1 | S |
| 14.775 | 1.0100 | 0.0000 | 90.110 | 2.97301 | 0.00000 | 295344.7 | 74762.8 | 100632.1 | S |
| 14.783 | 1.0100 | 0.0000 | 90.108 | 2.95792 | 0.00000 | 295374.9 | 74851.7 | 100632.1 | S |
| 14.792 | 1.0100 | 0.0000 | 90.106 | 2.94305 | 0.00000 | 295405.3 | 74940.2 | 100632.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/overflow

| Elapsed Time (hours) | inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{t}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 14.800 | 1.0100 | 0.0000 | 90.104 | 2.92840 | 0.00000 | 295435.5 | 75028.3 | 100632.1 | S |
| 14.808 | 1.0100 | 0.0000 | 90.102 | 2.91395 | 0.00000 | 295465.8 | 75115.9 | 100632.1 | S |
| 14.817 | 1.0100 | 0.0000 | 90.100 | 2.89971 | 0.00000 | 295496.1 | 75203.1 | 100632.1 | S |
| 14.825 | 1.0100 | 0.0000 | 90.098 | 2.88567 | 0.00000 | 295526.4 | 75289.9 | 100632.1 | S |
| 14.833 | 1.0100 | 0.0000 | 90.096 | 2.87182 | 0.00000 | 295556.8 | 75376.3 | 100632.1 | S |
| 14.842 | 1.0100 | 0.0000 | 90.095 | 2.85817 | 0.00000 | 295587.0 | 75462.2 | 100632.1 | S |
| 14.850 | 1.0100 | 0.0000 | 90.093 | 2.84470 | 0.00000 | 295617.3 | 75547.8 | 100632.1 | S |
| 14.858 | 1.0100 | 0.0000 | 90.091 | 2.83141 | 0.00000 | 295647.6 | 75632.9 | 100632.1 | S |
| 14.867 | 1.0100 | 0.0000 | 90.089 | 2.81831 | 0.00000 | 295677.9 | 75717.7 | 100632.1 | S |
| 14.875 | 1.0100 | 0.0000 | 90.087 | 2.80537 | 0.00000 | 295708.2 | 75802.0 | 100632.1 | S |
| 14.883 | 1.0100 | 0.0000 | 90.085 | 2.79261 | 0.00000 | 295738.5 | 75886.0 | 100632.1 | S |
| 14.892 | 1.0100 | 0.0000 | 90.083 | 2.78002 | 0.00000 | 295768.8 | 75969.6 | 100632.1 | S |
| 14.900 | 1.0100 | 0.0000 | 90.082 | 2.76758 | 0.00000 | 295799.1 | 76052.8 | 100632.1 | S |
| 14.908 | 1.0100 | 0.0000 | 90.080 | 2.75531 | 0.00000 | 295829.4 | 76135.6 | 100632.1 | S |
| 14.917 | 1.0100 | 0.0000 | 90.078 | 2.74320 | 0.00000 | 295859.7 | 76218.1 | 100632.1 | S |
| 14.925 | 1.0100 | 0.0000 | 90.076 | 2.73124 | 0.00000 | 295890.0 | 76300.2 | 100632.1 | S |
| 14.933 | 1.0100 | 0.0000 | 90.074 | 2.71943 | 0.00000 | 295920.3 | 76382.0 | 100632.1 | S |
| 14.942 | 1.0100 | 0.0000 | 90.073 | 2.70776 | 0.00000 | 295950.6 | 76463.4 | 100632.1 | S |
| 14.950 | 1.0100 | 0.0000 | 90.071 | 2.69624 | 0.00000 | 295980.9 | 76544.4 | 100632.1 | S |
| 14.958 | 1.0100 | 0.0000 | 90.069 | 2.68487 | 0.00000 | 296011.2 | 76625.1 | 100632.1 | S |
| 14.967 | 1.0100 | 0.0000 | 90.068 | 2.67363 | 0.00000 | 296041.5 | 76705.5 | 100632.1 | S |
| 14.975 | 1.0100 | 0.0000 | 90.066 | 2.66252 | 0.00000 | 296071.8 | 76785.6 | 100632.1 | S |
| 14.983 | 1.0100 | 0.0000 | 90.064 | 2.65155 | 0.00000 | 296102.1 | 76865.3 | 100632.1 | S |
| 14.992 | 1.0100 | 0.0000 | 90.062 | 2.64071 | 0.00000 | 296132.4 | 76944.7 | 100632.1 | S |
| 15.000 | 1.0100 | 0.0000 | 90.061 | 2.63000 | 0.00000 | 296162.7 | 77023.7 | 100632.1 | S |
| 15.008 | 1.0100 | 0.0000 | 90.059 | 2.61941 | 0.00000 | 296193.0 | 77102.5 | 100632.1 | S |
| 15.017 | 1.0100 | 0.0000 | 90.057 | 2.60895 | 0.00000 | 296223.3 | 77180.9 | 100632.1 | S |
| 15.025 | 1.0100 | 0.0000 | 90.056 | 2.59861 | 0.00000 | 296253.6 | 77259.0 | 100632.1 | S |
| 15.033 | 1.0100 | 0.0000 | 90.054 | 2.58839 | 0.00000 | 296283.9 | 77336.8 | 100632.1 | S |
| 15.042 | 1.0100 | 0.0000 | 90.053 | 2.57828 | 0.00000 | 296314.2 | 77414.3 | 100632.1 | S |
| 15.050 | 1.0100 | 0.0000 | 90.051 | 2.56829 | 0.00000 | 296344.5 | 77491.5 | 100632.1 | S |
| 15.058 | 1.0100 | 0.0000 | 90.049 | 2.55841 | 0.00000 | 296374.8 | 77568.4 | 100632.1 | S |
| 15.067 | 1.0100 | 0.0000 | 90.048 | 2.54863 | 0.00000 | 296405.1 | 77645.0 | 100632.1 | S |
| 15.075 | 1.0100 | 0.0000 | 90.046 | 2.53897 | 0.00000 | 296435.4 | 77721.3 | 100632.1 | S |
| 15.083 | 1.0100 | 0.0000 | 90.045 | 2.52942 | 0.00000 | 296465.7 | 77797.3 | 100632.1 | S |
| 15.092 | 1.0100 | 0.0000 | 90.043 | 2.51996 | 0.00000 | 296496.0 | 77873.1 | 100632.1 | S |
| 15.100 | 1.0100 | 0.0000 | 90.042 | 2.51061 | 0.00000 | 296526.3 | 77948.5 | 100632.1 | S |
| 15.108 | 1.0100 | 0.0000 | 90.040 | 2.50136 | 0.00000 | 296556.6 | 78023.7 | 100632.1 | S |
| 15.117 | 1.0100 | 0.0000 | 90.038 | 2.49221 | 0.00000 | 296586.9 | 78098.6 | 100632.1 | S |
| 15.125 | 1.0100 | 0.0000 | 90.037 | 2.48316 | 0.00000 | 296617.2 | 78173.2 | 100632.1 | S |
| 15.133 | 1.0101 | 0.0000 | 90.035 | 2.47420 | 0.00000 | 296647.5 | 78247.6 | 100632.1 | S |
| 15.142 | 1.0101 | 0.0000 | 90.034 | 2.46534 | 0.00000 | 296677.8 | 78321.7 | 100632.1 | S |
| 15.150 | 1.0101 | 0.0000 | 90.032 | 2.45657 | 0.00000 | 296708.1 | 78395.5 | 100632.1 | S |
| 15.158 | 1.0101 | 0.0000 | 90.031 | 2.44789 | 0.00000 | 296738.4 | 78469.1 | 100632.1 | S |
| 15.167 | 1.0101 | 0.0000 | 90.029 | 2.43930 | 0.00000 | 296768.7 | 78542.4 | 100632.1 | S |
| 15.175 | 1.0101 | 0.0000 | 90.028 | 2.43079 | 0.00000 | 296799.0 | 78615.5 | 100632.1 | S |
| 15.183 | 1.0101 | 0.0000 | 90.027 | 2.42238 | 0.00000 | 296829.3 | 78688.2 | 100632.1 | S |
| 15.192 | 1.0101 | 0.0000 | 90.025 | 2.41404 | 0.00000 | 296859.6 | 78760.8 | 100632.1 | S |
| 15.200 | 1.0101 | 0.0000 | 90.024 | 2.40579 | 0.00000 | 296889.9 | 78833.1 | 100632.1 | S |
| 15.208 | 1.0101 | 0.0000 | 90.022 | 2.39763 | 0.00000 | 296920.2 | 78905.1 | 100632.1 | S |
| 15.217 | 1.0101 | 0.0000 | 90.021 | 2.38954 | 0.00000 | 296950.5 | 78977.0 | 100632.1 | S |
| 15.225 | 1.0101 | 0.0000 | 90.019 | 2.38153 | 0.00000 | 296980.8 | 79048.5 | 100632.1 | S |
| 15.233 | 1.0101 | 0.0000 | 90.018 | 2.37360 | 0.00000 | 297011.1 | 79119.8 | 100632.1 | S |
| 15.242 | 1.0101 | 0.0000 | 90.016 | 2.36575 | 0.00000 | 297041.4 | 79190.9 | 100632.1 | S |
| 15.250 | 1.0101 | 0.0000 | 90.015 | 2.35797 | 0.00000 | 297071.8 | 79261.8 | 100632.1 | S |
| 15.258 | 1.0101 | 0.0000 | 90.014 | 2.35027 | 0.00000 | 297102.0 | 79332.4 | 100632.1 | S |
| 15.267 | 1.0101 | 0.0000 | 90.012 | 2.34264 | 0.00000 | 297132.3 | 79402.8 | 100632.1 | S |
| 15.275 | 1.0101 | 0.0000 | 90.011 | 2.33509 | 0.00000 | 297162.7 | 79473.0 | 100632.1 | S |
| 15.283 | 1.0101 | 0.0000 | 90.010 | 2.32760 | 0.00000 | 297192.9 | 79542.9 | 100632.1 | S |
| 15.292 | 1.0101 | 0.0000 | 90.008 | 2.32019 | 0.00000 | 297223.3 | 79612.6 | 100632.1 | S |
| 15.300 | 1.0101 | 0.0000 | 90.007 | 2.31284 | 0.00000 | 297253.6 | 79682.1 | 100632.1 | S |
| 15.308 | 1.0101 | 0.0000 | 90.006 | 2.30556 | 0.00000 | 297283.9 | 79751.4 | 100632.1 | S |
| 15.317 | 1.0101 | 0.0000 | 90.004 | 2.29835 | 0.00000 | 297314.2 | 79820.5 | 100632.1 | S |
| 15.325 | 1.0101 | 0.0000 | 90.003 | 2.29120 | 0.00000 | 297344.5 | 79889,3 | 100632.1 | S |
| 15.333 | 1.0101 | 0.0000 | 90.002 | 2.28412 | 0.00000 | 297374.8 | 79957.9 | 100632.1 | S |
| 15.342 | 1.0101 | 0.0000 | 90.000 | 2.27711 | 0.00000 | 297405.1 | 80026.3 | 100632.1 | S |
| 15.350 | 1.0101 | 0.0000 | 89.999 | 2.27015 | 0.00000 | 297435.4 | 80094.6 | 100632.1 | S |
| 15.358 | 1.0101 | 0.0000 | 89.998 | 2.26326 | 0.00000 | 297465.7 | 80162.6 | 100632.1 | S |
| 15.367 | 1.0107 | 0.0000 | 89.996 | 2.25643 | 0.00000 | 297496.0 | 80230.3 | 100632.1 | S |
| 15.375 | 1.0101 | 0.0000 | 89.995 | 2.24966 | 0.00000 | 297526.3 | 80297.9 | 100632.1 | S |
| 15.383 | 1.0101 | 0.0000 | 89.994 | 2.24295 | 0.00000 | 297556.6 | 80365.3 | 100632.1 | S |
| 15.392 | 1.0101 | 0.0000 | 89.992 | 2.23630 | 0.00000 | 297586.9 | 80432,5 | 100632.1 | S |
| 15.400 | 1.0101 | 0.0000 | 89.991 | 2.22970 | 0.00000 | 297617.2 | 80499.5 | 100632.1 | S |
| 15.408 | 1.0101 | 0.0000 | 89.990 | 2.22317 | 0.00000 | 297647.5 | 80566.3 | 100632.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing $\mathrm{w} /$ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infilitration Rate ( $\mathrm{H}^{3 / 5}$ ) | Ovenlow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{H}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{n}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 15.417 | 1.0101 | 0.0000 | 89.989 | 2.21669 | 0.00000 | 297677.8 | 80632.9 | 100632.1 | S |
| 15.425 | 1.0101 | 0.0000 | 89.987 | 2.21026 | 0.00000 | 297708.1 | 80699.3 | 100632.1 | S |
| 15.433 | 1.0101 | 0.0000 | 89.986 | 2.20388 | 0.00000 | 297738.4 | 80765.5 | 100632.1 | S |
| 15.442 | 1.0101 | 0.0000 | 89.985 | 2.19757 | 0.00000 | 297768.7 | 80831.5 | 100632.1 | S |
| 15.450 | 1.0101 | 0.0000 | 89.984 | 2.19131 | 0.00000 | 297799.0 | 80897.4 | 100632.1 | S |
| 15.458 | 1.0101 | 0.0000 | 89.983 | 2.18510 | 0.00000 | 297829.3 | 80963.0 | 100632.1 | S |
| 15.467 | 1.0101 | 0.0000 | 89.981 | 2.17894 | 0.00000 | 297859.6 | 81028.5 | 100632.1 | S |
| 15.475 | 1.0101 | 0.0000 | 89.980 | 2.17283 | 0.00000 | 297889.9 | 81093.7 | 100632.1 | S |
| 15.483 | 1.0101 | 0.0000 | 89.979 | 2.16677 | 0.00000 | 297920.3 | 81158.8 | 100632.1 | S |
| 15.492 | 1.0101 | 0.0000 | 89.978 | 2.16077 | 0.00000 | 297950.6 | 81223.8 | 100632.1 | S |
| 15.500 | 1.0101 | 0.0000 | 89.976 | 2.15481 | 0.00000 | 297980.8 | 81288.5 | 100632.1 | S |
| 15.508 | 1.0100 | 0.0000 | 89.975 | 2.14889 | 0.00000 | 298011.2 | 81353.0 | 100632.1 | S |
| 15.517 | 1.0096 | 0.0000 | 89.974 | 2.14303 | 0.00000 | 298041.4 | 81417.4 | 100632.1 | S |
| 15.525 | 1.0087 | 0.0000 | 89.973 | 2.13721 | 0.00000 | 298071.7 | 81481.6 | 100632.1 | S |
| 15.533 | 1.0072 | 0.0000 | 89.972 | 2.13143 | 0.00000 | 298102.0 | 81545.7 | 100632.1 | S |
| 15.542 | 1.0050 | 0.0000 | 89.971 | 2.12569 | 0.00000 | 298132.2 | 81609.5 | 100632.1 | S |
| 15.550 | 1.0018 | 0.0000 | 89.969 | 2.11999 | 0.00000 | 298162.3 | 81673.2 | 100632.1 | S |
| 15.558 | 0.9975 | 0.0000 | 89.968 | 2.11433 | 0.00000 | 298192.3 | 81736.7 | 100632.1 | S |
| 15.567 | 0.9919 | 0.0000 | 89.967 | 2.10869 | 0.00000 | 298222.1 | 81800.1 | 100632.1 | S |
| 15.575 | 0.9850 | 0.0000 | 89.966 | 2.10308 | 0.00000 | 298251.7 | 81863.2 | 100632.1 | S |
| 15.583 | 0.9772 | 0.0000 | 89.965 | 2.09750 | 0.00000 | 298281.2 | 81926.2 | 100632.1 | S |
| 15.592 | 0.9686 | 0.0000 | 89.964 | 2.09195 | 0.00000 | 298310.3 | 81989.1 | 100632.1 | S |
| 15.600 | 0.9594 | 0.0000 | 89.962 | 2.08642 | 0.00000 | 298339.3 | 82051.8 | 100632.1 | S |
| 15,608 | 0.9500 | 0.0000 | 89.961 | 2.08092 | 0.00000 | 298367.9 | 82114.3 | 100632.1 | S |
| 15.617 | 0.9406 | 0.0000 | 89.960 | 2.07544 | 0.00000 | 298396.3 | 82176.6 | 100632.1 | S |
| 15.625 | 0.9313 | 0.0000 | 89.959 | 2.06999 | 0.00000 | 298424.3 | 82238.8 | 100632.1 | S |
| 15.633 | 0.9223 | 0.0000 | 89.958 | 2.06457 | 0.00000 | 298452.2 | 82300.8 | 100632.1 | S |
| 15.642 | 0.9138 | 0.0000 | 89.957 | 2.05918 | 0.00000 | 298479.7 | 82362.7 | 100632.1 | S |
| 15.650 | 0.9058 | 0.0000 | 89.955 | 2.05382 | 0.00000 | 298507.0 | 82424.4 | 100632.1 | S |
| 15.658 | 0.8983 | 0.0000 | 89.954 | 2.04850 | 0.00000 | 298534.1 | 82485.9 | 100632.1 | S |
| 15.667 | 0.8916 | 0.0000 | 89.953 | 2.04321 | 0.00000 | 298560.9 | 82547.3 | 100632.1 | S |
| 15.675 | 0.8856 | 0.0000 | 89.952 | 2.03796 | 0.00000 | 298587.6 | 82608.5 | 100632.1 | S |
| 15.683 | 0.8804 | 0.0000 | 89.951 | 2.03274 | 0.00000 | 298614.1 | 82669.6 | 100632.1 | S |
| 15.692 | 0.8759 | 0.0000 | 89.949 | 2.02756 | 0.00000 | 298640.4 | 82730.5 | 100632.1 | S |
| 15.700 | 0.8720 | 0.0000 | 89.948 | 2.02242 | 0.00000 | 298666.6 | 82791.2 | 100632.1 | S |
| 15.708 | 0.8685 | 0.0000 | 89.947 | 2.01733 | 0.00000 | 298692.7 | 82851.8 | 100632.1 | S |
| 15.717 | 0.8654 | 0.0000 | 89.946 | 2.01227 | 0.00000 | 298718.7 | 82912.2 | 100632.1 | S |
| 15.725 | 0.8627 | 0.0000 | 89.945 | 2.00725 | 0.00000 | 298744.7 | 82972.5 | 100632.1 | S |
| 15.733 | 0.8603 | 0.0000 | 89.943 | 2.00226 | 0.00000 | 298770.5 | 83032.7 | 100632.1 | S |
| 15.742 | 0.8581 | 0.0000 | 89.942 | 1.99732 | 0.00000 | 298796.3 | 83092.7 | 100632.1 | S |
| 15.750 | 0.8562 | 0.0000 | 89.941 | 1.99241 | 0.00000 | 298822.0 | 83152.5 | 100632.1 | S |
| 15.758 | 0.8545 | 0.0000 | 89.940 | 1.98754 | 0.00000 | 298847.7 | 83212.2 | 100632.1 | S |
| 15.767 | 0.8530 | 0.0000 | 89.939 | 1.98271 | 0.00000 | 298873.3 | 83271.8 | 100632.1 | 5 |
| 15.775 | 0.8517 | 0.0000 | 89.937 | 1.97792 | 0.00000 | 298898.8 | 83331.2 | 100632.1 | S |
| 15.783 | 0.8505 | 0.0000 | 89.936 | 1.97316 | 0.00000 | 298924.4 | 83390.4 | 100632.1 | S |
| 15.792 | 0.8495 | 0.0000 | 89.935 | 1.96843 | 0.00000 | 298949.9 | 83449.6 | 100632.1 | S |
| 15.800 | 0.8486 | 0.0000 | 89.934 | 1.96374 | 0.00000 | 298975.3 | 83508.6 | 100632.1 | S |
| 15.808 | 0.8477 | 0.0000 | 89.933 | 1.95909 | 0.00000 | 299000.8 | 83567.4 | 100632.1 | S |
| 15.817 | 0.8470 | 0.0000 | 89.932 | 1.95447 | 0.00000 | 299026.2 | 83626.1 | 100632.1 | S |
| 15.825 | 0.8464 | 0.0000 | 89.930 | 1.94988 | 0.00000 | 299051.6 | 83684.7 | 100632.1 | S |
| 15.833 | 0.8458 | 0.0000 | 89.929 | 1.94533 | 0.00000 | 299077.0 | 83743.1 | 100632.1 | S |
| 15.842 | 0.8453 | 0.0000 | 89.928 | 1.94081 | 0.00000 | 299102.3 | 83801.4 | 100632.1 | S |
| 15.850 | 0.8449 | 0.0000 | 89.927 | 1.93632 | 0.00000 | 299127.7 | 83859.5 | 100632.1 | S |
| 15.858 | 0.8445 | 0.0000 | 89.926 | 1.93186 | 0.00000 | 299153.0 | 83917.6 | 100632.1 | S |
| 15.867 | 0.8442 | 0.0000 | 89.925 | 1.92743 | 0.00000 | 299178.4 | 83975.5 | 100632.1 | S |
| 15.875 | 0.8439 | 0.0000 | 89.924 | 1.92304 | 0.00000 | 299203.7 | 84033.2 | 100632.1 | S |
| 15.883 | 0.8436 | 0.0000 | 89.922 | 1.91868 | 0.00000 | 299229.0 | 84090.8 | 100632.1 | S |
| 15.892 | 0.8433 | 0.0000 | 89.921 | 1.91434 | 0.00000 | 299254.3 | 84148.3 | 100632.1 | S |
| 15.900 | 0.8431 | 0.0000 | 89.920 | 1.91004 | 0.00000 | 299279.6 | 84205.7 | 100632.1 | S |
| 15.908 | 0.8429 | 0.0000 | 89.919 | 1.90576 | 0.00000 | 299304.9 | 84262.9 | 100632.1 | S |
| 15.917 | 0.8428 | 0.0000 | 89.918 | 1.90152 | 0.00000 | 299330.2 | 84320.0 | 100632.1 | S |
| 15.925 | 0.8426 | 0.0000 | 89.917 | 1.89730 | 0.00000 | 299355.5 | 84377.0 | 100632.1 | S |
| 15.933 | 0.8425 | 0.0000 | 89.916 | 1.89311 | 0.00000 | 299380.8 | 84433.9 | 100632.1 | S |
| 15.942 | 0.8424 | 0.0000 | 89.915 | 1.88895 | 0.00000 | 299406.0 | 84490.6 | 100632.1 | S |
| 15.950 | 0.8423 | 0.0000 | 89.914 | 1.88481 | 0.00000 | 299431.3 | 84547.2 | 100632.1 | S |
| 15.958 | 0.8422 | 0.0000 | 89.913 | 1.88071 | 0.00000 | 299456.6 | 84603.7 | 100632.1 | S |
| 15.967 | 0.8421 | 0.0000 | 89.911 | 1.87663 | 0.00000 | 299481.8 | 84660.1 | 100632.1 | S |
| 15.975 | 0.8420 | 0.0000 | 89.910 | 1.87258 | 0.00000 | 299507.1 | 84716.3 | 100632.1 | S |
| 15.983 | 0.8420 | 0.0000 | 89.909 | 1.86855 | 0.00000 | 299532.3 | 84772.4 | 100632.1 | S |
| 15.992 | 0.8419 | 0.0000 | 89.908 | 1.86455 | 0.00000 | 299557.6 | 84828.4 | 100632.1 | S |
| 16.000 | 0.8419 | 0.0000 | 89.907 | 1.86057 | 0.00000 | 299582.8 | 84884.3 | 100632.1 | S |
| 16.008 | 0.8418 | 0.0000 | 89.906 | 1.85662 | 0.00000 | 299608.1 | 84940.0 | 100632.1 | S |
| 16.017 | 0.8415 | 0.0000 | 89.905 | 1.85270 | 0.00000 | 299633.3 | 84995.7 | 100632.1 | S |
| 16.025 | 0.8409 | 0.0000 | 89.904 | 1.84880 | 0.00000 | 299658.6 | 85051.2 | 100632.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

## Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( (13) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 16.033 | 0.8397 | 0.0000 | 89.903 | 1.84491 | 0.00000 | 299683.8 | 85106.6 | 100632.1 | S |
| 16.042 | 0.8378 | 0.0000 | 89.902 | 1.84105 | 0.00000 | 299709.0 | 85161.9 | 100632.1 | S |
| 16.050 | 0.8351 | 0.0000 | 89.901 | 1.83721 | 0.00000 | 299734.1 | 85217.1 | 100632.1 | S |
| 16.058 | 0.8314 | 0.0000 | 89.900 | 1.83338 | 0.00000 | 299759.1 | 85272.1 | 100632.1 | S |
| 16.067 | 0.8264 | 0.0000 | 89.899 | 1.82956 | 0.00000 | 299783.9 | 85327.1 | 100632.1 | S |
| 16.075 | 0.8201 | 0.0000 | 89.898 | 1.82575 | 0.00000 | 299808.6 | 85381.9 | 100632.1 | S |
| 16.083 | 0.8127 | 0.0000 | 89.897 | 1.82195 | 0.00000 | 299833.1 | 85436.6 | 100632.1 | S |
| 16.092 | 0.8044 | 0.0000 | 89.896 | 1.81815 | 0.00000 | 299857.4 | 85491.2 | 100632.1 | S |
| 16.100 | 0.7955 | 0.0000 | 89.894 | 1.81436 | 0.00000 | 299881.4 | 85545.7 | 100632.1 | S |
| 16.108 | 0.7861 | 0.0000 | 89.893 | 1.81057 | 0.00000 | 299905.1 | 85600.1 | 100632.1 | S |
| 16.117 | 0.7767 | 0.0000 | 89.892 | 1.80679 | 0.00000 | 299928.5 | 85654.3 | 100632.1 | S |
| 16.125 | 0.7673 | 0.0000 | 89.891 | 1.80302 | 0.00000 | 299951.7 | 85708.5 | 100632.1 | S |
| 16.133 | 0.7581 | 0.0000 | 89.890 | 1.79926 | 0.00000 | 299974.6 | 85762.5 | 100632.1 | S |
| 16.142 | 0.7493 | 0.0000 | 89.889 | 1.79551 | 0.00000 | 299997.2 | 85816.4 | 100632.1 | S |
| 16.150 | 0.7410 | 0.0000 | 89.888 | 1.79178 | 0.00000 | 300019.5 | 85870.3 | 100632.1 | S |
| 16.158 | 0.7333 | 0.0000 | 89.887 | 1.78806 | 0.00000 | 300041.7 | 85924.0 | 100632.1 | S |
| 16.167 | 0.7262 | 0.0000 | 89.886 | 1.78435 | 0.00000 | 300063.6 | 85977.5 | 100632.1 | S |
| 16.175 | 0.7198 | 0.0000 | 89.885 | 1.78066 | 0.00000 | 300085.3 | 86031.0 | 100632.1 | S |
| 16.183 | 0.7143 | 0.0000 | 89.884 | 1.77700 | 0.00000 | 300106.8 | 86084.4 | 100632.1 | S |
| 16.192 | 0.7095 | 0.0000 | 89.882 | 1.77335 | 0.00000 | 300128.1 | 86137.6 | 100632.1 | S |
| 16.200 | 0.7053 | 0.0000 | 89.881 | 1.76973 | 0.00000 | 300149.3 | 86190.8 | 100632.1 | S |
| 16.208 | 0.7016 | 0.0000 | 89.880 | 1.76613 | 0.00000 | 300170.4 | 86243.8 | 100632.1 | S |
| 16.217 | 0.6984 | 0.0000 | 89.879 | 1.76256 | 0.00000 | 300191.4 | 86296.7 | 100632.1 | S |
| 16.225 | 0.6955 | 0.0000 | 89.878 | 1.75900 | 0.00000 | 300212.3 | 86349.6 | 100632.1 | S |
| 16.233 | 0.6930 | 0.0000 | 89.877 | 1.75548 | 0.00000 | 300233.2 | 86402.3 | 100632.1 | S |
| 16.242 | 0.6907 | 0.0000 | 89.876 | 1.75197 | 0.00000 | 300253.9 | 86454.9 | 100632.1 | S |
| 16.250 | 0.6886 | 0.0000 | 89.875 | 1.74849 | 0.00000 | 300274.6 | 86507.4 | 100632.1 | S |
| 16.258 | 0.6868 | 0.0000 | 89.873 | 1.74502 | 0.00000 | 300295.3 | 86559.8 | 100632.1 | S |
| 16.267 | 0.6852 | 0.0000 | 89.872 | 1.74159 | 0.00000 | 300315.8 | 86612.1 | 100632.1 | S |
| 16.275 | 0.6838 | 0.0000 | 89.871 | 1.73817 | 0.00000 | 300336.4 | 86664.3 | 100632.1 | S |
| 16.283 | 0.6826 | 0.0000 | 89.870 | 1.73477 | 0.00000 | 300356.8 | 86716.4 | 100632.1 | S |
| 16.292 | 0.6815 | 0.0000 | 89.869 | 1.73140 | 0.00000 | 300377.3 | 86768.4 | 100632.1 | S |
| 16.300 | 0.6805 | 0.0000 | 89.868 | 1.72805 | 0.00000 | 300397.8 | 86820.3 | 100632.1 | S |
| 16.308 | 0.6797 | 0.0000 | 89.867 | 1.72472 | 0.00000 | 300418.2 | 86872.1 | 100632.1 | S |
| 16.317 | 0.6789 | 0.0000 | 89.866 | 1.72141 | 0.00000 | 300438.5 | 86923.8 | 100632.1 | S |
| 16.325 | 0.6782 | 0.0000 | 89.865 | 1.71812 | 0.00000 | 300458.9 | 86975.4 | 100632.1 | S |
| 16.333 | 0.6776 | 0.0000 | 89.864 | 1.71485 | 0.00000 | 300479.2 | 87026.8 | 100632.1 | S |
| 16.342 | 0.6771 | 0.0000 | 89.862 | 1.71160 | 0.00000 | 300499.6 | 87078.2 | 100632.1 | S |
| 16.350 | 0.6767 | 0.0000 | 89.861 | 1.70837 | 0.00000 | 300519.8 | 87129.5 | 100632.1 | S |
| 16.358 | 0.6762 | 0.0000 | 89.860 | 1.70516 | 0.00000 | 300540.2 | 87180.7 | 100632.1 | S |
| 16.367 | 0.6759 | 0.0000 | 89.859 | 1.70197 | 0.00000 | 300560.4 | 87231.9 | 100632.1 | S |
| 16.375 | 0.6756 | 0.0000 | 89.858 | 1.69880 | 0.00000 | 300580.7 | 87282.9 | 100632.1 | S |
| 16.383 | 0.6753 | 0.0000 | 89.857 | 1.69565 | 0.00000 | 300601.0 | 87333.8 | 100632.1 | S |
| 16.392 | 0.6750 | 0.0000 | 89.856 | 1.69251 | 0.00000 | 300621.2 | 87384.6 | 100632.1 | S |
| 16.400 | 0.6748 | 0.0000 | 89.855 | 1.68939 | 0.00000 | 300641.5 | 87435.3 | 100632.1 | S |
| 16.408 | 0.6746 | 0.0000 | 89.854 | 1.68629 | 0.00000 | 300661.7 | 87486.0 | 100632.1 | S |
| 16.417 | 0.6744 | 0.0000 | 89.853 | 1.68321 | 0.00000 | 300681.9 | 87536.5 | 100632.1 | S |
| 16.425 | 0.6743 | 0.0000 | 89.852 | 1.68015 | 0.00000 | 300702.2 | 87587.0 | 100632.1 | S |
| 16.433 | 0.6741 | 0.0000 | 89.851 | 1.67710 | 0.00000 | 300722.4 | 87637.3 | 100632.1 | S |
| 16.442 | 0.6740 | 0.0000 | 89.850 | 1.67407 | 0.00000 | 300742.6 | 87687.6 | 100632.1 | S |
| 16.450 | 0.6739 | 0.0000 | 89.849 | 1.67106 | 0.00000 | 300762.8 | 87737.8 | 100632.1 | S |
| 16.458 | 0.6738 | 0.0000 | 89.848 | 1.66806 | 0.00000 | 300783.1 | 87787.8 | 100632.1 | S |
| 16.467 | 0.6737 | 0.0000 | 89.846 | 1.66508 | 0.00000 | 300803.3 | 87837.8 | 100632.1 | S |
| 16.475 | 0.6736 | 0.0000 | 89.845 | 1.66212 | 0.00000 | 300823.5 | 87887.8 | 100632.1 | S |
| 16.483 | 0.6735 | 0.0000 | 89.844 | 1.65917 | 0.00000 | 300843.7 | 87937.6 | 100632.1 | S |
| 16.492 | 0.6735 | 0.0000 | 89.843 | 1.65624 | 0.00000 | 300863.9 | 87987.3 | 100632.1 | S |
| 16.500 | 0.6734 | 0.0000 | 89.842 | 1.65332 | 0.00000 | 300884.1 | 88037.0 | 100632.1 | S |
| 16.508 | 0.6734 | 0.0000 | 89.841 | 1.65042 | 0.00000 | 300904.3 | 88086.5 | 100632.1 | S |
| 16.517 | 0.6735 | 0.0000 | 89.840 | 1.64753 | 0.00000 | 300924.5 | 88136.0 | 100632.1 | S |
| 16.525 | 0.6740 | 0.0000 | 89.839 | 1.64467 | 0.00000 | 300944.7 | 88185.4 | 100632.1 | S |
| 16.533 | 0.6751 | 0.0000 | 89.838 | 1.64182 | 0.00000 | 300964.9 | 88234.7 | 100632.1 | S |
| 16.542 | 0.6770 | 0.0000 | 89.837 | 1.63899 | 0.00000 | 300985.2 | 88283.9 | 100632.1 | S |
| 16.550 | 0.6798 | 0.0000 | 89.836 | 1.63618 | 0.00000 | 301005.6 | 88333.0 | 100632.1 | S |
| 16.558 | 0.6839 | 0.0000 | 89.835 | 1.63340 | 0.00000 | 301026.0 | 88382.0 | 100632.1 | S |
| 16.567 | 0.6893 | 0.0000 | 89.834 | 1.63064 | 0.00000 | 301046.6 | 88431.0 | 100632.1 | S |
| 16.575 | 0.6964 | 0.0000 | 89.833 | 1.62792 | 0.00000 | 301067.4 | 88479.9 | 100632.1 | S |
| 16.583 | 0.7050 | 0.0000 | 89.832 | 1.62523 | 0.00000 | 301088.4 | 88528.7 | 100632.1 | S |
| 16.592 | 0.7148 | 0.0000 | 89.831 | 1.62258 | 0.00000 | 301109.8 | 88577.4 | 100632.1 | S |
| 16.600 | 0.7256 | 0.0000 | 89.830 | 1.61996 | 0.00000 | 301131.3 | 88626.0 | 100632.1 | S |
| 16.608 | 0.7371 | 0.0000 | 89.829 | 1.61737 | 0.00000 | 301153.3 | 88674.6 | 100632.1 | 5 |
| 16.617 | 0.7488 | 0.0000 | 89.828 | 1.61482 | 0.00000 | 301175.6 | 88723.1 | 100632.1 | S |
| 16.625 | 0.7606 | 0.0000 | 89.828 | 1.61230 | 0.00000 | 301198.2 | 88771.5 | 100632.1 | S |
| 16.633 | 0.7722 | 0.0000 | 89.827 | 1.60981 | 0.00000 | 301221.2 | 88819.8 | 100632.1 | S |
| 16.642 | 0.7835 | 0.0000 | 89.826 | 1.60734 | 0.00000 | 301244.5 | 88868.1 | 100632.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{H}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{H}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume (f43) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 16.650 | 0.7941 | 0.0000 | 89.825 | 1.60491 | 0.00000 | 301268.2 | 88916.2 | 100632.1 | S |
| 16.658 | 0.8041 | 0.0000 | 89.824 | 1.60249 | 0.00000 | 301292.2 | 88964.4 | 100632.1 | S |
| 16.667 | 0.8134 | 0.0000 | 89.823 | 1.60009 | 0.00000 | 301316.4 | 89012.4 | 100632.1 | S |
| 16.675 | 0.8218 | 0.0000 | 89.822 | 1.59771 | 0.00000 | 301341.0 | 89060.4 | 100632.1 | S |
| 16.683 | 0.8292 | 0.0000 | 89.822 | 1.59534 | 0.00000 | 301365.7 | 89108.3 | 100632.1 | S |
| 16.692 | 0.8357 | 0.0000 | 89.821 | 1.59299 | 0.00000 | 301390.7 | 89156.1 | 100632.1 | S |
| 16.700 | 0.8412 | 0.0000 | 89.820 | 1.59064 | 0.00000 | 301415.9 | 89203.8 | 100632.1 | S |
| 16.708 | 0.8461 | 0.0000 | 89.819 | 1.58830 | 0.00000 | 301441.2 | 89251.5 | 100632.1 | S |
| 16.717 | 0.8504 | 0.0000 | 89.818 | 1.58597 | 0.00000 | 301466.6 | 89299.1 | 100632.1 | S |
| 16.725 | 0.8543 | 0.0000 | 89.818 | 1.58365 | 0.00000 | 301492.2 | 89346.7 | 100632.1 | S |
| 16.733 | 0.8576 | 0.0000 | 89.817 | 1.58134 | 0.00000 | 301517.9 | 89394.2 | 100632.1 | S |
| 16.742 | 0.8606 | 0.0000 | 89.816 | 1.57903 | 0.00000 | 301543.7 | 89441.6 | 100632.1 | S |
| 16.750 | 0.8633 | 0.0000 | 89.815 | 1.57673 | 0.00000 | 301569.5 | 89488.9 | 100632.1 | S |
| 16.758 | 0.8657 | 0.0000 | 89.815 | 1.57444 | 0.00000 | 301595.4 | 89536.2 | 100632.1 | S |
| 16.767 | 0.8679 | 0.0000 | 89.814 | 1.57215 | 0.00000 | 301621.4 | 89583.4 | 100632.1 | S |
| 16.775 | 0.8697 | 0.0000 | 89.813 | 1.56987 | 0.00000 | 301647.5 | 89630.5 | 100632.1 | S |
| 16.783 | 0.8714 | 0.0000 | 89.812 | 1.56760 | 0.00000 | 301673.6 | 89677.6 | 100632.1 | S |
| 16.792 | 0.8728 | 0.0000 | 89.812 | 1.56533 | 0.00000 | 301699.8 | 89724.6 | 100632.1 | S |
| 16.800 | 0.8741 | 0.0000 | 89.811 | 1.56307 | 0.00000 | 301726.0 | 89771.5 | 100632.1 | S |
| 16.808 | 0.8753 | 0.0000 | 89.810 | 1.56082 | 0.00000 | 301752.2 | 89818.3 | 100632.1 | S |
| 16.817 | 0.8763 | 0.0000 | 89.809 | 1.55857 | 0.00000 | 301778.5 | 89865.1 | 100632.1 | S |
| 16.825 | 0.8772 | 0.0000 | 89.809 | 1.55633 | 0.00000 | 301804.8 | 89911.8 | 100632.1 | S |
| 16.833 | 0.8779 | 0.0000 | 89.808 | 1.55410 | 0.00000 | 301831.1 | 89958.5 | 100632.1 | S |
| 16.842 | 0.8786 | 0.0000 | 89.807 | 1.55188 | 0.00000 | 301857.5 | 90005.1 | 100632.1 | S |
| 16.850 | 0.8793 | 0.0000 | 89.807 | 1.54966 | 0.00000 | 301883.8 | 90051.6 | 100632.1 | S |
| 16.858 | 0.8798 | 0.0000 | 89.806 | 1.54745 | 0.00000 | 301910.2 | 90098.1 | 100632.1 | S |
| 16.867 | 0.8803 | 0.0000 | 89.805 | 1.54525 | 0.00000 | 301936.6 | 90144.5 | 100632.1 | S |
| 16.875 | 0.8807 | 0.0000 | 89.804 | 1.54305 | 0.00000 | 301963.1 | 90190.8 | 100632.1 | S |
| 16.883 | 0.8811 | 0.0000 | 89.804 | 1.54086 | 0.00000 | 301989.5 | 90237.0 | 100632.1 | S |
| 16.892 | 0.8814 | 0.0000 | 89.803 | 1.53868 | 0.00000 | 302015.9 | 90283.2 | 100632.1 | S |
| 16.900 | 0.8817 | 0.0000 | 89.802 | 1.53651 | 0.00000 | 302042.3 | 90329.4 | 100632.1 | S |
| 16.908 | 0.8820 | 0.0000 | 89.802 | 1.53435 | 0.00000 | 302068.8 | 90375.4 | 100632.1 | S |
| 16.917 | 0.8822 | 0.0000 | 89.801 | 1.53219 | 0.00000 | 302095.3 | 90421.4 | 100632.1 | S |
| 16.925 | 0.8824 | 0.0000 | 89.800 | 1.53004 | 0.00000 | 302121.8 | 90467.4 | 100632.1 | S |
| 16.933 | 0.8826 | 0.0000 | 89.800 | 1.52790 | 0.00000 | 302148.2 | 90513.2 | 100632.1 | S |
| 16.942 | 0.8828 | 0.0000 | 89.799 | 1.52577 | 0.00000 | 302174.7 | 90559.0 | 100632.1 | S |
| 16.950 | 0.8829 | 0.0000 | 89.798 | 1.52364 | 0.00000 | 302201.2 | 90604.8 | 100632.1 | S |
| 16.958 | 0.8830 | 0.0000 | 89.798 | 1.52152 | 0.00000 | 302227.7 | 90650.5 | 100632.1 | S |
| 16.967 | 0.8832 | 0.0000 | 89.797 | 1.51941 | 0.00000 | 302254.2 | 90696.1 | 100632.1 | S |
| 16.975 | 0.8833 | 0.0000 | 89.796 | 1.51731 | 0.00000 | 302280.7 | 90741.6 | 100632.1 | S |
| 46.983 | 0.8834 | 0.0000 | 89.796 | 1.51522 | 0.00000 | 302307.2 | 90787.1 | 100632.1 | S |
| 16.992 | 0.8835 | 0.0000 | 89.795 | 1.51313 | 0.00000 | 302333.7 | 90832.5 | 100632.1 | S |
| 17.000 | 0.8837 | 0.0000 | 89.794 | 1.51105 | 0.00000 | 302360.2 | 90877.9 | 100632.1 | S |
| 17.008 | 0.8842 | 0.0000 | 89.794 | 1.50898 | 0.00000 | 302386.7 | 90923.2 | 100632.1 | S |
| 17.017 | 0.8851 | 0.0000 | 89.793 | 1.50693 | 0.00000 | 302413.3 | 90968.4 | 100632.1 | S |
| 17.025 | 0.8865 | 0.0000 | 89.792 | 1.50488 | 0.00000 | 302439.8 | 91013.6 | 100632.1 | S |
| 17.033 | 0.8885 | 0.0000 | 89.792 | 1.50285 | 0.00000 | 302466.4 | 91058.7 | 100632.1 | S |
| 17.042 | 0.8912 | 0.0000 | 89.791 | 1.50083 | 0.00000 | 302493.1 | 91103.8 | 100632.1 | S |
| 17.050 | 0.8949 | 0.0000 | 89.790 | 1.49882 | 0.00000 | 302519.9 | 91148.8 | 100632.1 | S |
| 17.058 | 0.8995 | 0.0000 | 89.790 | 1.49684 | 0.00000 | 302546.8 | 91193.7 | 100632.1 | S |
| 17.067 | 0.9050 | 0.0000 | 89.789 | 1.49488 | 0.00000 | 302573.9 | 91238.6 | 100632.1 | S |
| 17.075 | 0.9112 | 0.0000 | 89.788 | 1.49293 | 0.00000 | 302601.2 | 91283.4 | 100632.1 | S |
| 17.083 | 0.9179 | 0.0000 | 89.788 | 1.49101 | 0.00000 | 302628.6 | 91328.2 | 100632.1 | S |
| 17.092 | 0.9249 | 0.0000 | 89.787 | 1.48911 | 0.00000 | 302656.2 | 91372.9 | 100632.1 | S |
| 17.100 | 0.9320 | 0.0000 | 89.787 | 1.48722 | 0.00000 | 302684.1 | 91417.5 | 100632.1 | S |
| 17.108 | 0.9390 | 0.0000 | 89.786 | 1.48536 | 0.00000 | 302712.2 | 91462.1 | 100632.1 | S |
| 17.117 | 0.9460 | 0.0000 | 89.785 | 1.48351 | 0.00000 | 302740.4 | 91506.6 | 100632.1 | S |
| 17.125 | 0.9526 | 0.0000 | 89.785 | 1.48167 | 0.00000 | 302768.9 | 91551.1 | 100632.1 | S |
| 17.133 | 0.9588 | 0.0000 | 89.784 | 1.47985 | 0.00000 | 302797.6 | 91595.5 | 100632.1 | S |
| 17.142 | 0.9646 | 0.0000 | 89.784 | 1.47804 | 0.00000 | 302826.4 | 91639.9 | 100632.1 | S |
| 17.150 | 0.9700 | 0.0000 | 89.783 | 1.47625 | 0.00000 | 302855.4 | 91684.2 | 100632.1 | S |
| 17.158 | 0.9749 | 0.0000 | 89.783 | 1.47446 | 0.00000 | 302884.6 | 91728.5 | 100632.1 | S |
| 17.167 | 0.9791 | 0.0000 | 89.782 | 1.47268 | 0.00000 | 302913.9 | 91772.7 | 100632.1 | S |
| 17.175 | 0.9827 | 0.0000 | 89.782 | 1.47090 | 0.00000 | 302943.3 | 91816.8 | 100632.1 | S |
| 17.183 | 0.9859 | 0.0000 | 89.781 | 1.46914 | 0.00000 | 302972.9 | 91860.9 | 100632.1 | S |
| 17.192 | 0.9887 | 0.0000 | 89.781 | 1.46737 | 0.00000 | 303002.5 | 91905.0 | 100632.1 | S |
| 17.200 | 0.9911 | 0.0000 | 89.780 | 1.46561 | 0.00000 | 303032.2 | 91949.0 | 100632.1 | S |
| 17.208 | 0.9933 | 0.0000 | 89.780 | 1.46386 | 0.00000 | 303062.0 | 91992.9 | 100632.1 | S |
| 17.217 | 0.9952 | 0.0000 | 89.779 | 1.46211 | 0.00000 | 303091.8 | 92036.8 | 100632.1 | S |
| 17.225 | 0.9970 | 0.0000 | 89.779 | 1.46036 | 0.00000 | 303121.7 | 92080.6 | 100632.1 | S |
| 17.233 | 0.9985 | 0.0000 | 89.778 | 1.45862 | 0.00000 | 303151.6 | 92124.4 | 100632.1 | S |
| 17.242 | 0.9999 | 0.0000 | 89.778 | 1.45688 | 0.00000 | 303181.6 | 92168.2 | 100632.1 | S |
| 17.250 | 1.0011 | 0.0000 | 89.777 | 1.45514 | 0.00000 | 303211.6 | 92211.8 | 100632.1 | S |
| 17.258 | 1.0021 | 0.0000 | 89.777 | 1.45341 | 0.00000 | 303241.6 | 92255.5 | 100632.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate $\left(\mathrm{ft}^{3 / \mathrm{s}}\right.$ ) | Outside Recharge (FIday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / 3}$ ) | Overfiow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Intlow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infitration Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 17.267 | 1.0031 | 0.0000 | 89.776 | 1.45169 | 0.00000 | 303271.7 | 92299.0 | 100632.1 | S |
| 17.275 | 1.0039 | 0.0000 | 89.776 | 1.44996 | 0.00000 | 303301.8 | 92342.6 | 100632.1 | S |
| 17.283 | 1.0046 | 0.0000 | 89.775 | 1.44825 | 0.00000 | 303331.9 | 92386.0 | 100632.1 | S |
| 17.292 | 1.0053 | 0.0000 | 89.775 | 1.44653 | 0.00000 | 303362.1 | 92429.5 | 100632.1 | S |
| 17.300 | 1.0059 | 0.0000 | 89.774 | 1.44482 | 0.00000 | 303392.3 | 92472.8 | 100632.1 | S |
| 17.308 | 1.0064 | 0.0000 | 89.774 | 1.44312 | 0.00000 | 303422.4 | 92516.2 | 100632.1 | S |
| 17.317 | 1.0068 | 0.0000 | 89.773 | 1.44142 | 0.00000 | 303452.7 | 92559.4 | 100632.1 | S |
| 17.325 | 1.0072 | 0.0000 | 89.773 | 1.43972 | 0.00000 | 303482.8 | 92602.6 | 100632.1 | S |
| 17.333 | 1.0076 | 0.0000 | 89.772 | 1.43803 | 0.00000 | 303513.1 | 92645.8 | 100632.1 | S |
| 17.342 | 1.0079 | 0.0000 | 89.772 | 1.43635 | 0.00000 | 303543.3 | 92688.9 | 100632.1 | S |
| 17.350 | 1.0082 | 0.0000 | 89.772 | 1.43467 | 0.00000 | 303573.6 | 92732.0 | 100632.1 | S |
| 17.358 | 1.0084 | 0.0000 | 89.771 | 1.43299 | 0.00000 | 303603.8 | 92775.0 | 100632.1 | S |
| 17.367 | 1.0086 | 0.0000 | 89.771 | 1.43132 | 0.00000 | 303634.1 | 92818.0 | 100632.1 | S |
| 17.375 | 1.0088 | 0.0000 | 89.770 | 1.42965 | 0.00000 | 303664.3 | 92860.9 | 100632.1 | S |
| 17.383 | 1.0090 | 0.0000 | 89.770 | 1.42799 | 0.00000 | 303694.6 | 92903.7 | 100632.1 | S |
| 17.392 | 1.0091 | 0.0000 | 89.769 | 1.42633 | 0.00000 | 303724.8 | 92946.6 | 100632.1 | S |
| 17.400 | 1.0093 | 0.0000 | 89.769 | 1.42468 | 0.00000 | 303755.1 | 92989.3 | 100632.1 | S |
| 17.408 | 1.0094 | 0.0000 | 89.768 | 1.42303 | 0.00000 | 303785.4 | 93032.0 | 100632.1 | S |
| 17.417 | 1.0095 | 0.0000 | 89.768 | 1.42139 | 0.00000 | 303815.7 | 93074.7 | 100632.1 | S |
| 17.425 | 1.0096 | 0.0000 | 89.768 | 1.41975 | 0.00000 | 303846.0 | 93117.3 | 100632.1 | S |
| 17.433 | 1.0097 | 0.0000 | 89.767 | 1.41812 | 0.00000 | 303876.3 | 93159.9 | 100632.1 | S |
| 17.442 | 1.0097 | 0.0000 | 89.767 | 1.41649 | 0.00000 | 303906.6 | 93202.4 | 100632.1 | S |
| 17.450 | 1.0098 | 0.0000 | 89.766 | 1.41487 | 0.00000 | 303936.8 | 93244.9 | 100632.1 | S |
| 17.458 | 1.0099 | 0.0000 | 89.766 | 1.41326 | 0.00000 | 303967.2 | 93287.3 | 100632.1 | S |
| 17.467 | 1.0099 | 0.0000 | 89.765 | 1.41164 | 0.00000 | 303997.4 | 93329.7 | 100632.1 | S |
| 17.475 | 1.0100 | 0.0000 | 89.765 | 1.41004 | 0.00000 | 304027.8 | 93372.0 | 100632.1 | S |
| 17.483 | 1.0100 | 0.0000 | 89.765 | 1.40844 | 0.00000 | 304058.0 | 93414.3 | 100632.1 | S |
| 17.492 | 1.0100 | 0.0000 | 89.764 | 1.40684 | 0.00000 | 304088.3 | 93456.5 | 100632.1 | S |
| 17.500 | 1.0100 | 0.0000 | 89.764 | 1.40525 | 0.00000 | 304118.7 | 93498.7 | 100632.1 | S |
| 17.508 | 1.0096 | 0.0000 | 89.763 | 1.40366 | 0.00000 | 304148.9 | 93540.8 | 100632.1 | S |
| 17.517 | 1.0087 | 0.0000 | 89.763 | 1.40208 | 0.00000 | 304179.2 | 93582.9 | 100632.1 | S |
| 17.525 | 1.0073 | 0.0000 | 89.762 | 1.40049 | 0.00000 | 304209.5 | 93625.0 | 100632.1 | S |
| 17.533 | 1.0051 | 0.0000 | 89.762 | 1.39891 | 0.00000 | 304239.6 | 93666.9 | 100632.1 | S |
| 17.542 | 1.0020 | 0.0000 | 89.762 | 1.39732 | 0.00000 | 304269.8 | 93708.9 | 100632.1 | S |
| 17.550 | 0.9977 | 0.0000 | 89.761 | 1.39573 | 0.00000 | 304299.8 | 93750.8 | 100632.1 | S |
| 17.558 | 0.9921 | 0.0000 | 89.761 | 1.39413 | 0.00000 | 304329.6 | 93792.6 | 100632.1 | S |
| 17.567 | 0.9854 | 0.0000 | 89.760 | 1.39252 | 0.00000 | 304359.3 | 93834.4 | 100632.1 | S |
| 17.575 | 0.9776 | 0.0000 | 89.760 | 1.39089 | 0.00000 | 304388.7 | 93876.2 | 100632.1 | S |
| 17.583 | 0.9690 | 0.0000 | 89.759 | 1.38926 | 0.00000 | 304417.9 | 93917.9 | 100632.1 | S |
| 17.592 | 0.9598 | 0.0000 | 89.759 | 1.38761 | 0.00000 | 304446.8 | 93959.5 | 100632.1 | S |
| 17.600 | 0.9504 | 0.0000 | 89.758 | 1.38595 | 0.00000 | 304475.5 | 94001.1 | 100632.1 | S |
| 17.608 | 0.9410 | 0.0000 | 89.758 | 1.38429 | 0.00000 | 304503.8 | 94042.7 | 100632.1 | S |
| 17.617 | 0.9317 | 0.0000 | 89.758 | 1.38261 | 0.00000 | 304531.9 | 94084.2 | 100632.1 | S |
| 17.625 | 0.9227 | 0.0000 | 89.757 | 1.38093 | 0.00000 | 304559.8 | 94125.6 | 100632.1 | S |
| 17.633 | 0.9141 | 0.0000 | 89.757 | 1.37924 | 0.00000 | 304587.3 | 94167.1 | 100632.1 | S |
| 17.642 | 0.9061 | 0.0000 | 89.756 | 1.37756 | 0.00000 | 304614.6 | 94208.4 | 100632.1 | S |
| 17.650 | 0.8986 | 0.0000 | 89.756 | 1.37587 | 0.00000 | 304641.7 | 94249.7 | 100632.1 | S |
| 17.658 | 0.8918 | 0.0000 | 89.755 | 1.37418 | 0.00000 | 304668.5 | 94291.0 | 100632.1 | S |
| 17.667 | 0.8858 | 0.0000 | 89.755 | 1.37250 | 0.00000 | 304695.2 | 94332.2 | 100632.1 | S |
| 17.675 | 0.8806 | 0.0000 | 89.754 | 1.37082 | 0.00000 | 304721.7 | 94373.3 | 100632.1 | S |
| 17.683 | 0.8761 | 0.0000 | 89.753 | 1.36915 | 0.00000 | 304748.1 | 94414.4 | 100632.1 | S |
| 17.692 | 0.8721 | 0.0000 | 89.753 | 1.36749 | 0.00000 | 304774.3 | 94455.5 | 100632.1 | S |
| 17.700 | 0.8686 | 0.0000 | 89.752 | 1.36584 | 0.00000 | 304800.4 | 94496.5 | 100632.1 | S |
| 17.708 | 0.8656 | 0.0000 | 89.752 | 1.36419 | 0.00000 | 304826.4 | 94537.4 | 100632.1 | S |
| 17.717 | 0.8628 | 0.0000 | 89.751 | 1.36256 | 0.00000 | 304852.3 | 94578.3 | 100632.1 | S |
| 17.725 | 0.8604 | 0.0000 | 89.751 | 1.36093 | 0.00000 | 304878.2 | 94619.2 | 100632.1 | S |
| 17.733 | 0.8582 | 0.0000 | 89.750 | 1.35931 | 0.00000 | 304903.9 | 94660.0 | 100632.1 | S |
| 17.742 | 0.8563 | 0.0000 | 89.750 | 1.35770 | 0.00000 | 304929.7 | 94700.7 | 100632.1 | S |
| 17.750 | 0.8546 | 0.0000 | 89.749 | 1.35610 | 0.00000 | 304955.3 | 94741.4 | 100632.1 | S |
| 17.758 | 0.8531 | 0.0000 | 89.749 | 1.35451 | 0.00000 | 304980.9 | 94782.1 | 100632.1 | S |
| 17.767 | 0.8518 | 0.0000 | 89.748 | 1.35293 | 0.00000 | 305006.5 | 94822.7 | 100632.1 | S |
| 17.775 | 0.8506 | 0.0000 | 89.748 | 1.35135 | 0.00000 | 305032.1 | 94863.3 | 100632.1 | S |
| 17.783 | 0.8495 | 0.0000 | 89.747 | 1.34979 | 0.00000 | 305057.6 | 94903.8 | 100632.1 | S |
| 17.792 | 0.8486 | 0.0000 | 89.747 | 1.34823 | 0.00000 | 305083.0 | 94944.2 | 100632.1 | S |
| 17.800 | 0.8478 | 0.0000 | 89.746 | 1.34668 | 0.00000 | 305108.5 | 94984.7 | 100632.1 | S |
| 17.808 | 0.8471 | 0.0000 | 89.746 | 1.34514 | 0.00000 | 305133.9 | 95025.0 | 100632.1 | S |
| 17.817 | 0.8464 | 0.0000 | 89.745 | 1.34360 | 0.00000 | 305159.3 | 95065.4 | 100632.1 | S |
| 17.825 | 0.8459 | 0.0000 | 89.744 | 1.34207 | 0.00000 | 305184.7 | 95105.7 | 100632.1 | S |
| 17.833 | 0.8454 | 0.0000 | 89.744 | 1.34055 | 0.00000 | 305210.1 | 95145.9 | 100632.1 | S |
| 17.842 | 0.8449 | 0.0000 | 89.743 | 1.33904 | 0.00000 | 305235.4 | 95186.1 | 100632.1 | S |
| 17.850 | 0.8445 | 0.0000 | 89.743 | 1.33754 | 0.00000 | 305260.8 | 95226.2 | 100632.1 | S |
| 17.858 | 0.8442 | 0.0000 | 89.742 | 1.33604 | 0.00000 | 305286.1 | 95266.3 | 100632.1 | S |
| 17.867 | 0.8439 | 0.0000 | 89.742 | 1.33455 | 0.00000 | 305311.4 | 95306.4 | 100632.1 | S |
| 17.875 | 0.8436 | 0.0000 | 89.741 | 1.33306 | 0.00000 | 305336.7 | 95346.4 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr $/ 24$ Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 /} \mathrm{s}$ ) | Outside Recharge (ftclay) | Stage Elevation (ft datum) | Infilitration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{7}$ ) | Fiow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 17.883 | 0.8434 | 0.0000 | 89.741 | 1.33158 | 0.00000 | 305362.0 | 95386.4 | 100632.1 | S |
| 17.892 | 0.8432 | 0.0000 | 89.740 | 1.33011 | 0.00000 | 305387.3 | 95426.3 | 100632.1 | S |
| 17.900 | 0.8430 | 0.0000 | 89.740 | 1.32865 | 0.00000 | 305412.6 | 95466.2 | 100632.1 | S |
| 17.908 | 0.8428 | 0.0000 | 89.739 | 1.32719 | 0.00000 | 305437.9 | 95506.0 | 100632.1 | S |
| 17.917 | 0.8427 | 0.0000 | 89.739 | 1.32574 | 0.00000 | 305463.2 | 95545.8 | 100632.1 | S |
| 17.925 | 0.8425 | 0.0000 | 89.738 | 1.32429 | 0.00000 | 305488.4 | 95585.6 | 100632.1 | S |
| 17.933 | 0.8424 | 0.0000 | 89.738 | 1.32285 | 0.00000 | 305513.7 | 95625.3 | 100632.1 | S |
| 17.942 | 0.8423 | 0.0000 | 89.737 | 1.32141 | 0.00000 | 305539.0 | 95665.0 | 100632.1 | S |
| 17.950 | 0.8422 | 0.0000 | 89.737 | 1.31999 | 0.00000 | 305564.3 | 95704.6 | 100632.1 | S |
| 17.958 | 0.8421 | 0.0000 | 89.736 | 1.31856 | 0.00000 | 305589.5 | 95744.1 | 100632.1 | S |
| 17.967 | 0.8420 | 0.0000 | 89.736 | 1.31715 | 0.00000 | 305614.8 | 95783.7 | 100632.1 | S |
| 17.975 | 0.8420 | 0.0000 | 89.735 | 1.31573 | 0.00000 | 305640.1 | 95823.2 | 100632.1 | S |
| 17.983 | 0.8419 | 0.0000 | 89.735 | 1.31433 | 0.00000 | 305665.3 | 95862.6 | 100632.1 | S |
| 17.992 | 0.8419 | 0.0000 | 89.734 | 1.31293 | 0.00000 | 305690.6 | 95902.0 | 100632.1 | S |
| 18.000 | 0.8418 | 0.0000 | 89.734 | 1.31453 | 0.00000 | 305715.8 | 95941.4 | 100632.1 | S |
| 18.008 | 0.8416 | 0.0000 | 89.733 | 1.31014 | 0.00000 | 305741.1 | 95980.7 | 100632.1 | S |
| 18.017 | 0.8409 | 0.0000 | 89.733 | 1.30875 | 0.00000 | 305766.3 | 96020.0 | 100632.1 | S |
| 18.025 | 0.8397 | 0.0000 | 89.732 | 1.30736 | 0.00000 | 305791.5 | 96059.3 | 100632.1 | S |
| 18.033 | 0.8379 | 0.0000 | 89.732 | 1.30598 | 0.00000 | 305816.7 | 96098.5 | 100632.1 | S |
| 18.042 | 0.8353 | 0.0000 | 89.731 | 1.30459 | 0.00000 | 305841.8 | 96137.6 | 100632.1 | S |
| 18.050 | 0.8316 | 0.0000 | 89.731 | 1.30320 | 0.00000 | 305866.8 | 96176.7 | 100632.1 | S |
| 18.058 | 0.8267 | 0.0000 | 89.730 | 1.30180 | 0.00000 | 305891.7 | 96215.8 | 100632.1 | S |
| 18.067 | 0.8205 | 0.0000 | 89.730 | 1.30039 | 0.00000 | 305916.4 | 96254.8 | 100632.1 | S |
| 18.075 | 0.8131 | 0.0000 | 89.729 | 1.29897 | 0.00000 | 305940.9 | 96293.8 | 100632.1 | S |
| 18.083 | 0.8048 | 0.0000 | 89.729 | 1.29754 | 0.00000 | 305965.1 | 96332.8 | 100632.1 | S |
| 18.092 | 0.7959 | 0.0000 | 89.728 | 1.29610 | 0.00000 | 305989.2 | 96371.7 | 100632.1 | S |
| 18.100 | 0.7865 | 0.0000 | 89.727 | 1.29464 | 0.00000 | 306012.9 | 96410.5 | 100632.1 | S |
| 18.108 | 0.7771 | 0.0000 | 89.727 | 1.29317 | 0.00000 | 306036.3 | 96449.4 | 100632.1 | S |
| 18.117 | 0.7677 | 0.0000 | 89.726 | 1.29170 | 0.00000 | 306059.5 | 96488.1 | 100632.1 | S |
| 18.125 | 0.7585 | 0.0000 | 89.726 | 1.29021 | 0.00000 | 306082.4 | 96526.9 | 100632.1 | S |
| 18.133 | 0.7497 | 0.0000 | 89.725 | 1.28872 | 0.00000 | 306105.0 | 96565.5 | 100632.1 | S |
| 18.142 | 0.7414 | 0.0000 | 89.725 | 1.28723 | 0.00000 | 306127.4 | 96604.2 | 100632.1 | S |
| $\$ 8.150$ | 0.7336 | 0.0000 | 89.724 | 1.28574 | 0.00000 | 306149.5 | 96642.8 | 100632.1 | S |
| 18.158 | 0.7265 | 0.0000 | 89.723 | 1.28424 | 0.00000 | 306171.4 | 96681.3 | 100632.1 | S |
| 18.167 | 0.7200 | 0.0000 | 89.723 | 1.28275 | 0.00000 | 306193.1 | 96719.8 | 100632.1 | S |
| 18.175 | 0.7145 | 0.0000 | 89.722 | 1.28126 | 0.00000 | 306214.6 | 96758.3 | 100632.1 | S |
| 18.183 | 0.7096 | 0.0000 | 89.722 | 1.27978 | 0.00000 | 306236.0 | 96796.7 | 100632.1 | S |
| 18.192 | 0.7055 | 0.0000 | 89.721 | 1.27831 | 0.00000 | 306257.2 | 96835.1 | 100632.1 | S |
| 18.200 | 0.7018 | 0.0000 | 89.720 | 1.27684 | 0.00000 | 306278.3 | 96873.4 | 100632.1 | S |
| 18.208 | 0.6985 | 0.0000 | 89.720 | 1.27538 | 0.00000 | 306299.3 | 96911.7 | 100632.1 | S |
| 18.217 | 0.6956 | 0.0000 | 89.719 | 1.27393 | 0.00000 | 306320.3 | 96949.9 | 100632.1 | S |
| 18.225 | 0.6931 | 0.0000 | 89.719 | 1.27249 | 0.00000 | 306341.1 | 96988.1 | 100632.1 | S |
| 18.233 | 0.6908 | 0.0000 | 89.718 | 1.27105 | 0.00000 | 306361.8 | 97026.3 | 100632.1 | S |
| 18.242 | 0.6887 | 0.0000 | 89.717 | 1.26963 | 0.00000 | 306382.5 | 97064.4 | 100632.1 | S |
| 18.250 | 0.6869 | 0.0000 | 89.717 | 1.26821 | 0.00000 | 306403.2 | 97102.5 | 100632.1 | S |
| 18.258 | 0.6853 | 0.0000 | 89.716 | 1.26680 | 0.00000 | 306423.8 | 97140.5 | 100632.1 | S |
| 18.267 | 0.6839 | 0.0000 | 89.715 | 1.26540 | 0.00000 | 306444.3 | 97178.5 | 100632.1 | S |
| 18.275 | 0.6827 | 0.0000 | 89.715 | 1.26400 | 0.00000 | 306464.8 | 97216.4 | 100632.1 | S |
| 18.283 | 0.6815 | 0.0000 | 89.714 | 1.26262 | 0.00000 | 306485.3 | 97254.3 | 100632.1 | S |
| 18.292 | 0.6806 | 0.0000 | 89.714 | 1.26124 | 0.00000 | 306505.7 | 97292.2 | 100632.1 | S |
| 18.300 | 0.6797 | 0.0000 | 89.713 | 1.25987 | 0.00000 | 306526.1 | 97330.0 | 100632.1 | S |
| 18.308 | 0.6789 | 0.0000 | 89.712 | 1.25850 | 0.00000 | 306546.4 | 97367.8 | 100632.1 | S |
| 18.317 | 0.6783 | 0.0000 | 89.712 | 1.25714 | 0.00000 | 306566.8 | 97405.5 | 100632.1 | S |
| 18.325 | 0.6777 | 0.0000 | 89.711 | 1.25579 | 0.00000 | 306587.2 | 97443.2 | 100632.1 | S |
| 18.333 | 0.6771 | 0.0000 | 89.711 | 1.25445 | 0.00000 | 306607.5 | 97480.8 | 100632.1 | S |
| 18.342 | 0.6767 | 0.0000 | 89.710 | 1.25312 | 0.00000 | 306627.8 | 97518.5 | 100632.1 | 5 |
| 18.350 | 0.6763 | 0.0000 | 89.709 | 1.25179 | 0.00000 | 306648.1 | 97556.0 | 100632.1 | S |
| 18.358 | 0.6759 | 0.0000 | 89.709 | 1.25046 | 0.00000 | 306668.3 | 97593.6 | 100632.1 | S |
| 18.367 | 0.6756 | 0.0000 | 89.708 | 1.24914 | 0.00000 | 306688.6 | 97631.1 | 100632.1 | S |
| 18.375 | 0.6753 | 0.0000 | 89.707 | 1.24783 | 0.00000 | 306708.9 | 97668.5 | 100632.1 | S |
| 18.383 | 0.6750 | 0.0000 | 89.707 | 1.24653 | 0.00000 | 306729.2 | 97705.9 | 100632.1 | S |
| 18.392 | 0.6748 | 0.0000 | 89.706 | 1.24523 | 0.00000 | 306749.4 | 97743.3 | 100632.1 | S |
| 18.400 | 0.6746 | 0.0000 | 89.706 | 1.24393 | 0.00000 | 306769.6 | 97780.6 | 100632.1 | S |
| 18.408 | 0.6744 | 0.0000 | 89.705 | 1.24265 | 0.00000 | 306789.9 | 97817.9 | 100632.1 | S |
| 18.417 | 0.6743 | 0.0000 | 89.704 | 1.24136 | 0.00000 | 306810.1 | 97855.2 | 100632.1 | S |
| 18.425 | 0.6741 | 0.0000 | 89.704 | 1.24009 | 0.00000 | 306830.3 | 97892.4 | 100632.1 | S |
| 18.433 | 0.6740 | 0.0000 | 89.703 | 1.23881 | 0.00000 | 306850.6 | 97929.6 | 100632.1 | S |
| 18.442 | 0.6739 | 0.0000 | 89.703 | 1.23755 | 0.00000 | 306870.8 | 97966.7 | 100632.1 | S |
| 18.450 | 0.6738 | 0.0000 | 89.702 | 1.23629 | 0.00000 | 306891.0 | 98003.8 | 100632.1 | S |
| 18.458 | 0.6737 | 0.0000 | 89.701 | 1.23503 | 0.00000 | 306911.2 | 98040.9 | 100632.1 | S |
| 18.467 | 0.6736 | 0.0000 | 89.701 | 1.23378 | 0.00000 | 306931.4 | 98078.0 | 100632.1 | S |
| 18.475 | 0.6736 | 0.0000 | 89.700 | 1.23253 | 0.00000 | 306951.6 | 98115.0 | 100632.1 | S |
| 18.483 | 0.6735 | 0.0000 | 89.700 | 1.23129 | 0.00000 | 306971.8 | 98151.9 | 100632.1 | S |
| 18.492 | 0.6734 | 0.0000 | 89.699 | 1.23005 | 0.00000 | 306992.0 | 98188.8 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / 3} \mathrm{~s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{H}^{3 / 5}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Voiume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 18.500 | 0.6734 | 0.0000 | 89.698 | 1.22882 | 0.00000 | 307012.2 | 98225.7 | 100632.1 | S |
| 18.508 | 0.6735 | 0.0000 | 89.698 | 1.22759 | 0.00000 | 307032.4 | 98262.6 | 100632.1 | S |
| 18.517 | 0.6739 | 0.0000 | 89.697 | 1.22637 | 0.00000 | 307052.6 | 98299.4 | 100632.1 | S |
| 18.525 | 0.6747 | 0.0000 | 89.697 | 1.22516 | 0.00000 | 307072.9 | 98336.1 | 100632.1 | S |
| 18.533 | 0.6762 | 0.0000 | 89.696 | 1.22395 | 0.00000 | 307093.1 | 98372.9 | 100632.1 | S |
| 18.542 | 0.6784 | 0.0000 | 89.695 | 1.22276 | 0.00000 | 307113.4 | 98409.6 | 100632.1 | S |
| 18.550 | 0.6816 | 0.0000 | 89.695 | 1.22157 | 0.00000 | 307133.8 | 98446.2 | 100632.1 | S |
| 18.558 | 0.6859 | 0.0000 | 89.694 | 1.22041 | 0.00000 | 307154.4 | 98482.9 | 100632.1 | S |
| 18.567 | 0.6915 | 0.0000 | 89.694 | 1.21926 | 0.00000 | 307175.0 | 98519.5 | 100632.1 | S |
| 18.575 | 0.6983 | 0.0000 | 89.693 | 1.21813 | 0.00000 | 307195.9 | 98556.0 | 100632.1 | S |
| 18.583 | 0.7062 | 0.0000 | 89.693 | 1.21702 | 0.00000 | 307216.9 | 98592.6 | 100632.1 | S |
| 18.592 | 0.7148 | 0.0000 | 89.692 | 1.21593 | 0.00000 | 307238.3 | 98629.0 | 100632.1 | S |
| 18.600 | 0.7240 | 0.0000 | 89.692 | 1.21486 | 0.00000 | 307259.8 | 98665.5 | 100632.1 | S |
| 18.608 | 0.7334 | 0.0000 | 89.691 | 1.21381 | 0.00000 | 307281.7 | 98701.9 | 100632.1 | S |
| 18.617 | 0.7428 | 0.0000 | 89.690 | 1.21279 | 0.00000 | 307303.8 | 98738.3 | 100632.1 | S |
| 18.625 | 0.7521 | 0.0000 | 89.690 | 1.21177 | 0.00000 | 307326.3 | 98774.7 | 100632.1 | S |
| 18.633 | 0.7611 | 0.0000 | 89.689 | 1.21078 | 0.00000 | 307349.0 | 98811.0 | 100632.1 | S |
| 18.642 | 0.7696 | 0.0000 | 89.689 | 1.20979 | 0.00000 | 307371.9 | 98847.3 | 100632.1 | S |
| $\$ 8.650$ | 0.7776 | 0.0000 | 89.689 | 1.20882 | 0.00000 | 307395.1 | 98883.6 | 100632.1 | S |
| 18.658 | 0.7851 | 0.0000 | 89.688 | 1.20786 | 0.00000 | 307418.6 | 98919.9 | 100632.1 | S |
| 18.667 | 0.7918 | 0.0000 | 89.688 | 1.20690 | 0.00000 | 307442.2 | 98956.1 | 100632.1 | S |
| 18.675 | 0.7978 | 0.0000 | 89.687 | 1.20595 | 0.00000 | 307466.1 | 98992.3 | 100632.1 | S |
| 18.683 | 0.8030 | 0.0000 | 89.687 | 1.20500 | 0.00000 | 307490.1 | 99028.5 | 100632.1 | S |
| 18.692 | 0.8075 | 0.0000 | 89.686 | 1.20405 | 0.00000 | 307514.3 | 99064.6 | 100632.1 | S |
| 18.700 | 0.8114 | 0.0000 | 89.686 | 1.20311 | 0.00000 | 307538.5 | 99100.7 | 100632.1 | S |
| 18.708 | 0.8149 | 0.0000 | 89.685 | 1.20216 | 0.00000 | 307562.9 | 99136.8 | 100632.1 | S |
| 18.717 | 0.8180 | 0.0000 | 89.685 | 1.20121 | 0.00000 | 307587.4 | 99172.8 | 100632.1 | S |
| 18.725 | 0.8207 | 0.0000 | 89.685 | 1.20026 | 0.00000 | 307612.0 | 99208.8 | 100632.1 | S |
| 18.733 | 0.8231 | 0.0000 | 89.684 | 1.19932 | 0.00000 | 307636.7 | 99244.8 | 100632.1 | S |
| 18.742 | 0.8253 | 0.0000 | 89.684 | 1.19837 | 0.00000 | 307661.4 | 99280.8 | 100632.1 | S |
| 18.750 | 0.8272 | 0.0000 | 89.683 | 1.19742 | 0.00000 | 307686.2 | 99316.7 | 100632.1 | S |
| 18.758 | 0.8289 | 0.0000 | 89.683 | 1.19647 | 0.00000 | 307711.0 | 99352.7 | 100632.1 | S |
| 18.767 | 0.8304 | 0.0000 | 89.683 | 1.19552 | 0.00000 | 307735.9 | 99388.5 | 100632.1 | S |
| 18.775 | 0.8317 | 0.0000 | 89.682 | 1.19457 | 0.00000 | 307760.8 | 99424.4 | 100632.1 | S |
| 18.783 | 0.8329 | 0.0000 | 89.682 | 1.19362 | 0.00000 | 307785.8 | 99460.2 | 100632.1 | S |
| 18.792 | 0.8339 | 0.0000 | 89.682 | 1.19266 | 0.00000 | 307810.8 | 99496.0 | 100632.1 | S |
| 18.800 | 0.8348 | 0.0000 | 89.681 | 1.19171 | 0.00000 | 307835.8 | 99531.8 | 100632.1 | S |
| 18.808 | 0.8357 | 0.0000 | 89.681 | 1.19076 | 0.00000 | 307860.9 | 99567.5 | 100632.1 | S |
| 18.817 | 0.8364 | 0.0000 | 89.680 | 1.18981 | 0.00000 | 307886.0 | 99603.2 | 100632.1 | S |
| 18.825 | 0.8370 | 0.0000 | 89.680 | 1.18886 | 0.00000 | 307911.1 | 99638.9 | 100632.1 | S |
| 18.833 | 0.8376 | 0.0000 | 89.680 | 1.18791 | 0.00000 | 307936.2 | 99674.5 | 100632.1 | S |
| 18.842 | 0.8381 | 0.0000 | 89.679 | 1.18695 | 0.00000 | 307961.3 | 99710.2 | 100632.1 | S |
| 18.850 | 0.8385 | 0.0000 | 89.679 | 1.18600 | 0.00000 | 307986.5 | 99745.8 | 100632.1 | S |
| 18.858 | 0.8389 | 0.0000 | 89.678 | 1.18505 | 0.00000 | 308011.6 | 99781.3 | 100632.1 | S |
| 18.867 | 0.8392 | 0.0000 | 89.678 | 1.18410 | 0.00000 | 308036.8 | 99816.9 | 100632.1 | S |
| 18.875 | 0.8395 | 0.0000 | 89.678 | 1.18315 | 0.00000 | 308062.0 | 99852.4 | 100632.1 | S |
| 18.883 | 0.8398 | 0.0000 | 89.677 | 1.18221 | 0.00000 | 308087.2 | 99887.9 | 100632.1 | S |
| 18.892 | 0.8401 | 0.0000 | 89.677 | 1.18126 | 0.00000 | 308112.4 | 99923.3 | 100632.1 | S |
| 18.900 | 0.8403 | 0.0000 | 89.677 | 1.18031 | 0.00000 | 308137.6 | 99958.7 | 100632.1 | S |
| 18.908 | 0.8405 | 0.0000 | 89.676 | 1.17937 | 0.00000 | 308162.8 | 99994.1 | 100632.1 | S |
| 18.917 | 0.8406 | 0.0000 | 89.676 | 1.17843 | 0.00000 | 308188.0 | 100029.5 | 100632.1 | S |
| 18.925 | 0.8408 | 0.0000 | 89.676 | 1.17748 | 0.00000 | 308213.2 | 100064.8 | 100632.1 | S |
| 18.933 | 0.8409 | 0.0000 | 89.675 | 1.17654 | 0.00000 | 308238.4 | 100100.1 | 100632.1 | S |
| 18.942 | 0.8410 | 0.0000 | 89.675 | 1.17560 | 0.00000 | 308263.7 | 100135.4 | 100632.1 | S |
| 18.950 | 0.8411 | 0.0000 | 89.674 | 1.17466 | 0.00000 | 308288.9 | 100170.7 | 100632.1 | S |
| 18.958 | 0.8412 | 0.0000 | 89.674 | 1.17373 | 0.00000 | 308314.2 | 100205.9 | 100632.1 | S |
| 18.967 | 0.8413 | 0.0000 | 89.674 | 1.17279 | 0.00000 | 308339.4 | 100241.1 | 100632.1 | S |
| 18.975 | 0.8414 | 0.0000 | 89.673 | 1.17186 | 0.00000 | 308364.6 | 100276.3 | 100632.1 | S |
| 18.983 | 0.8414 | 0.0000 | 89.673 | 1.17093 | 0.00000 | 308389.9 | 100311.4 | 100632.1 | S |
| 18.992 | 0.8415 | 0.0000 | 89.673 | 1.16999 | 0.00000 | 308415.1 | 100346.5 | 100632.1 | S |
| 19.000 | 0.8416 | 0.0000 | 89.672 | 1.16907 | 0.00000 | 308440.3 | 100381.6 | 100632.1 | S |
| 19.008 | 0.8416 | 0.0000 | 89.672 | \$. 16814 | 0.00000 | 308465.6 | 100416.7 | 100632.1 | S |
| 19.017 | 0.8412 | 0.0000 | 89.672 | 1.16721 | 0.00000 | 308490.8 | 100451.7 | 100632.1 | S |
| 19.025 | 0.8399 | 0.0000 | 89.671 | 1.16628 | 0.00000 | 308516.1 | 100486.7 | 100632.1 | S |
| 19.033 | 0.8376 | 0.0000 | 89.671 | 1.16534 | 0.00000 | 308541.2 | 100521.7 | 100632.1 | S |
| 19.042 | 0.8339 | 0.0000 | 89.671 | 1.16440 | 0.00000 | 308566.3 | 100556.6 | 100632.7 | S |
| 19.050 | 0.8286 | 0.0000 | 89.670 | 1.16345 | 0.00000 | 308591.2 | 100591.5 | 100632.1 | S |
| 19.058 | 0.8211 | 0.0000 | 89.670 | 1.16247 | 0.00000 | 308616.0 | 100626.4 | 100632.1 | S |
| 19.067 | 0.8112 | 0.0000 | 89.669 | 1.16148 | 0.00000 | 308640.5 | 100661.3 | 100632.1 | S |
| 19.075 | 0.7986 | 0.0000 | 89.669 | 1.16046 | 0.00000 | 308664.6 | 100696.1 | 100632.1 | S |
| 19.083 | 0.7838 | 0.0000 | 89.669 | 1.15940 | 0.00000 | 308688.3 | 100730.9 | 100632.1 | S |
| 19.092 | 0.7672 | 0.0000 | 89.668 | 1.15832 | 0.00000 | 308711.6 | 100765.7 | 100632.1 | S |
| 19.100 | 0.7493 | 0.0000 | 89.668 | 1.15720 | 0.00000 | 308734.4 | 100800.4 | 100632.1 | S |
| 19.108 | 0.7306 | 0.0000 | 89.667 | 1.15605 | 0.00000 | 308756.6 | 100835.1 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overtlow Discharge ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 19.117 | 0.7118 | 0.0000 | 89.667 | 1.15487 | 0.00000 | 308778.2 | 100869.8 | 100632.1 | S |
| 19.125 | 0.6930 | 0.0000 | 89.666 | 1.15367 | 0.00000 | 308799.3 | 100904.4 | 100632.1 | S |
| 19.133 | 0.6746 | 0.0000 | 89,666 | 1.15244 | 0.00000 | 308819.8 | 100939.0 | 100632.1 | S |
| 19.142 | 0.6570 | 0.0000 | 89.665 | 1.15119 | 0.00000 | 308839.8 | 100973.5 | 100632.1 | S |
| 19.150 | 0.6405 | 0.0000 | 89.665 | 1.14993 | 0.00000 | 308859.2 | 101008.1 | 100632.1 | S |
| 19.158 | 0.6251 | 0.0000 | 89.664 | 1.14867 | 0.00000 | 308878.2 | 101042.5 | 100632.1 | S |
| 19.167 | 0.6108 | 0.0000 | 89.664 | 1.14739 | 0.00000 | 308896.8 | 101077.0 | 100632.1 | S |
| 19.175 | 0.5981 | 0.0000 | 89.663 | 1.14611 | 0.00000 | 308914.9 | 101111.4 | 100632.1 | S |
| 19.183 | 0.5870 | 0.0000 | 89.663 | 1.14484 | 0.00000 | 308932.7 | 101145.8 | 100632.1 | S |
| 19.192 | 0.5774 | 0.0000 | 89.662 | 1.14357 | 0.00000 | 308950.1 | 101180.1 | 100632.1 | S |
| 19.200 | 0.5691 | 0.0000 | 89.661 | 1.14230 | 0.00000 | 308967.3 | 101214.4 | 100632.1 | S |
| 19.208 | 0.5617 | 0.0000 | 89.661 | 1.14105 | 0.00000 | 308984.3 | 101248.6 | 100632.1 | S |
| 19.217 | 0.5552 | 0.0000 | 89.660 | 1.13980 | 0.00000 | 309001.0 | 101282.8 | 100632.1 | S |
| 19.225 | 0.5495 | 0.0000 | 89.659 | 1.13857 | 0.00000 | 309017.6 | 101317.0 | 100632.1 | S |
| 19.233 | 0.5444 | 0.0000 | 89.659 | 1.13734 | 0.00000 | 309034.0 | 101351.1 | 100632.1 | S |
| 19.242 | 0.5398 | 0.0000 | 89.658 | 1.13613 | 0.00000 | 309050.3 | 101385.2 | 100632.1 | S |
| 19.250 | 0.5357 | 0.0000 | 89.658 | 1.13493 | 0.00000 | 309066.4 | 101419.3 | 100632.1 | S |
| 19.258 | 0.5321 | 0.0000 | 89.657 | 1.13373 | 0.00000 | 309082.4 | 101453.3 | 100632.1 | S |
| 19.267 | 0.5289 | 0.0000 | 89.656 | 1.13255 | 0.00000 | 309098.3 | 101487.3 | 100632.1 | S |
| 19.275 | 0.5262 | 0.0000 | 89.656 | 1.13137 | 0.00000 | 309114.2 | 101521.3 | 100632.1 | S |
| 19.283 | 0.5237 | 0.0000 | 89.655 | 1.13021 | 0.00000 | 309129.9 | 101555.2 | 100632.1 | S |
| 19.292 | 0.5215 | 0.0000 | 89.654 | 1. 12905 | 0.00000 | 309145.6 | 101589.1 | 100632.1 | S |
| 19.300 | 0.5195 | 0.0000 | 89.654 | 1.12791 | 0.00000 | 309161.2 | 101623.0 | 100632.1 | S |
| 19.308 | 0.5178 | 0.0000 | 89.653 | 1.12677 | 0.00000 | 309176.8 | 101656.8 | 100632.1 | S |
| 19.317 | 0.5163 | 0.0000 | 89.652 | 1.12564 | 0.00000 | 309192.3 | 101690.6 | 100632.1 | S |
| 19.325 | 0.5149 | 0.0000 | 89.652 | 1.12452 | 0.00000 | 309207.8 | 101724.3 | 100632.1 | S |
| 19.333 | 0.5138 | 0.0000 | 89.651 | 1.12341 | 0.00000 | 309223.2 | 101758.0 | 100632.1 | S |
| 19.342 | 0.5127 | 0.0000 | 89.650 | 1.12231 | 0.00000 | 309238.6 | 101791.7 | 100632.1 | S |
| 19.350 | 0.5118 | 0.0000 | 89.650 | 1.12121 | 0.00000 | 309253.9 | 101825.4 | 100632.1 | S |
| 19.358 | 0.5110 | 0.0000 | 89.649 | 1.12012 | 0.00000 | 309269.3 | 101859.0 | 100632.1 | S |
| 19.367 | 0.5102 | 0.0000 | 89.648 | 1.11904 | 0.00000 | 309284.6 | 101892.6 | 100632.1 | S |
| 19.375 | 0.5096 | 0.0000 | 89.648 | 1.11797 | 0.00000 | 309299.9 | 101926.1 | 100632.1 | S |
| 19.383 | 0.5090 | 0.0000 | 89.647 | 1.11690 | 0.00000 | 309315.2 | 101959.7 | 100632.1 | S |
| 19.392 | 0.5085 | 0.0000 | 89.646 | 1.11584 | 0.00000 | 309330.4 | 101993.2 | 100632.1 | S |
| 19.400 | 0.5081 | 0.0000 | 89.646 | 1.11478 | 0.00000 | 309345.7 | 102026.6 | 100632.1 | S |
| 19.408 | 0.5077 | 0.0000 | 89.645 | 1.11373 | 0.00000 | 309360.9 | 102060.0 | 100632.1 | S |
| 19.417 | 0.5073 | 0.0000 | 89.644 | 1.11269 | 0.00000 | 309376.2 | 102093.4 | 100632.1 | S |
| 19.425 | 0.5070 | 0.0000 | 89.644 | 1.11165 | 0.00000 | 309391.4 | 102126.8 | 100632.1 | S |
| 19.433 | 0.5067 | 0.0000 | 89.643 | 1.11062 | 0.00000 | 309406.6 | 102160.1 | 100632.1 | S |
| 19.442 | 0.5065 | 0.0000 | 89.643 | 1.10959 | 0.00000 | 309421.8 | 102193.4 | 100632.1 | S |
| 19.450 | 0.5063 | 0.0000 | 89.642 | 1.10857 | 0.00000 | 309437.0 | 102226.7 | 100632.1 | S |
| 19.458 | 0.5061 | 0.0000 | 89.641 | 1.10755 | 0.00000 | 309452.2 | 102260.0 | 100632.1 | S |
| 19.467 | 0.5059 | 0.0000 | 89.641 | 1.10654 | 0.00000 | 309467.3 | 102293.2 | 100632.1 | S |
| 19.475 | 0.5057 | 0.0000 | 89.640 | 1.10553 | 0.00000 | 309482.5 | 102326.3 | 100632.1 | S |
| 19.483 | 0.5056 | 0.0000 | 89.639 | 1.10453 | 0.00000 | 309497.7 | 102359.5 | 100632.1 | S |
| 19.492 | 0.5055 | 0.0000 | 89.639 | 1.10353 | 0.00000 | 309512.8 | 102392.6 | 100632.1 | S |
| 19.500 | 0.5054 | 0.0000 | 89.638 | 1.10253 | 0.00000 | 309528.0 | 102425.7 | 100632.1 | S |
| 19.508 | 0.5053 | 0.0000 | 89.637 | 1.10154 | 0.00000 | 309543.2 | 102458.8 | 100632.1 | S |
| 19.517 | 0.5053 | 0.0000 | 89.637 | 1.10056 | 0.00000 | 309558.3 | 102491.8 | 100632.1 | S |
| 19.525 | 0.5058 | 0.0000 | 89.636 | 1.09958 | 0.00000 | 309573.5 | 102524.8 | 100632.1 | S |
| 19.533 | 0.5068 | 0.0000 | 89.635 | 1.09861 | 0.00000 | 309588.7 | 102557.8 | 100632.1 | S |
| 19.542 | 0.5086 | 0.0000 | 89.635 | 1.09765 | 0.00000 | 309603.9 | 102590.7 | 100632.1 | S |
| 19.550 | 0.5113 | 0.0000 | 89.634 | 1.09670 | 0.00000 | 309619.2 | 102623.6 | 100632.1 | S |
| 19.558 | 0.5152 | 0.0000 | 89.634 | 1.09576 | 0.00000 | 309634.6 | 102656.5 | 100632.1 | S |
| 19.567 | 0.5204 | 0.0000 | 89.633 | 1.09484 | 0.00000 | 309650.1 | 102689.4 | 100632.1 | S |
| 19.575 | 0.5272 | 0.0000 | 89.632 | 1.09394 | 0.00000 | 309665.8 | 102722.2 | 100632.1 | S |
| 19.583 | 0.5354 | 0.0000 | 89.632 | 1.09306 | 0.00000 | 309681.8 | 102755.0 | 100632.1 | S |
| 19.592 | 0.5449 | 0.0000 | 89.631 | 1.09220 | 0.00000 | 309698.0 | 102787.8 | 100632.1 | S |
| 19.600 | 0.5553 | 0.0000 | 89.630 | 1.09137 | 0.00000 | 309714.5 | 102820.5 | 100632.1 | S |
| 19.608 | 0.5663 | 0.0000 | 89.630 | 1.09057 | 0.00000 | 309731.3 | 102853.3 | 100632.1 | S |
| 19.617 | 0.5776 | 0.0000 | 89.629 | 1.08978 | 0.00000 | 309748.5 | 102886.0 | 100632.1 | S |
| 19.625 | 0.5889 | 0.0000 | 89.629 | 1.08902 | 0.00000 | 309766.0 | 102918.7 | 100632.1 | S |
| 19.633 | 0.6000 | 0.0000 | 89.628 | 1.08828 | 0.00000 | 309783.8 | 102951.3 | 100632.1 | S |
| 19.642 | 0.6108 | 0.0000 | 89.628 | 1.08755 | 0.00000 | 309802.0 | $\ddagger 02984.0$ | 100632.1 | S |
| 19.650 | 0.6210 | 0.0000 | 89.627 | 1.08684 | 0.00000 | 309820.4 | 103016.6 | 100632.1 | S |
| 19.658 | 0.6306 | 0.0000 | 89.627 | 1.08614 | 0.00000 | 309839.2 | 103049.2 | 100632.1 | S |
| 19.667 | 0.6395 | 0.0000 | 89.626 | 1.08544 | 0.00000 | 309858.3 | 103081.7 | 100632.1 | S |
| 19.675 | 0.6476 | 0.0000 | 89.626 | 1.08476 | 0.00000 | 309877.6 | 103114.3 | 100632.1 | S |
| 19.683 | 0.6547 | 0.0000 | 89.625 | 1.08408 | 0.00000 | 309897.1 | 103146.8 | 100632.1 | S |
| 19.692 | 0.6609 | 0.0000 | 89.625 | 1.08340 | 0.00000 | 309916.8 | 103179.3 | 100632.1 | S |
| 19.700 | 0.6663 | 0.0000 | 89.624 | 1.08272 | 0.00000 | 309936.8 | 103211.8 | 100632.1 | S |
| 19.708 | 0.6710 | 0.0000 | 89.624 | 1.08204 | 0.00000 | 309956.8 | 103244.3 | 100632.1 | S |
| 19.717 | 0.6751 | 0.0000 | 89.624 | 1.08136 | 0.00000 | 309977.0 | 103276.8 | 100632.1 | S |
| 19.725 | 0.6788 | 0.0000 | 89.623 | 1.08067 | 0.00000 | 309997.3 | 103309.2 | 100632.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :. Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiliation Volume ( $\mathrm{t}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 19.733 | 0.6820 | 0.0000 | 89.623 | 1.07999 | 0.00000 | 310017.7 | 103341.6 | 100632.1 | S |
| 19.742 | 0.6849 | 0.0000 | 89.622 | 1.07930 | 0.00000 | 310038.2 | 103374.0 | 100632.1 | S |
| 19.750 | 0.6875 | 0.0000 | 89.622 | 1.07861 | 0.00000 | 310058.8 | 103406.4 | 100632.1 | S |
| 19.758 | 0.6898 | 0.0000 | 89.621 | 1.07792 | 0.00000 | 310079.5 | 103438.7 | 100632.1 | S |
| 19.767 | 0.6918 | 0.0000 | 89.621 | 1.07722 | 0.00000 | 310100.2 | 103471.0 | 100632.1 | S |
| 19.775 | 0.6936 | 0.0000 | 89.621 | 1.07653 | 0.00000 | 310121.0 | 103503.3 | 100632.1 | S |
| 19.783 | 0.6952 | 0.0000 | 89.620 | 1.07583 | 0.00000 | 310141.8 | 103535.6 | 100632.1 | S |
| 19.792 | 0.6966 | 0.0000 | 89.620 | 1.07513 | 0.00000 | 310162.7 | 103567.9 | 100632.1 | S |
| 19.800 | 0.6978 | 0.0000 | 89.619 | 1.07442 | 0.00000 | 310183.6 | 103600.1 | 100632.1 | S |
| 19.808 | 0.6989 | 0.0000 | 89.619 | 1.07372 | 0.00000 | 310204.6 | 103632.4 | 100632.1 | S |
| 19.817 | 0.6999 | 0.0000 | 89.618 | 1.07301 | 0.00000 | 310225.5 | 103664.6 | 100632.1 | S |
| 19.825 | 0.7008 | 0.0000 | 89.618 | 1.07231 | 0.00000 | 310246.5 | 103696.7 | 100632.1 | S |
| 19.833 | 0.7015 | 0.0000 | 89.618 | 1.07160 | 0.00000 | 310267.6 | 103728.9 | 100632.1 | S |
| 19.842 | 0.7022 | 0.0000 | 89.617 | 1.07089 | 0.00000 | 310288.6 | 103761.0 | 100632.1 | S |
| 19.850 | 0.7028 | 0.0000 | 89.617 | 1.07018 | 0.00000 | 310309.7 | 103793.1 | 100632.1 | S |
| 19.858 | 0.7033 | 0.0000 | 89.616 | 1.06947 | 0.00000 | 310330.8 | 103825.2 | 100632.1 | S |
| 19.867 | 0.7038 | 0.0000 | 89.616 | 1.06876 | 0.00000 | 310351.9 | 103857.3 | 100632.1 | S |
| 19.875 | 0.7042 | 0.0000 | 89.616 | 1.06804 | 0.00000 | 310373.0 | 103889.4 | 100632.1 | S |
| 19.883 | 0.7045 | 0.0000 | 89.615 | 1.06733 | 0.00000 | 310394.2 | 103921.4 | 100632.1 | S |
| 19.892 | 0.7049 | 0.0000 | 89.615 | 1.06662 | 0.00000 | 310415.3 | 103953.4 | 100632.1 | S |
| 19.900 | 0.7051 | 0.0000 | 89.615 | 1.06590 | 0.00000 | 310436.4 | 103985.4 | 100632.1 | S |
| 19.908 | 0.7054 | 0.0000 | 89.614 | 1.06519 | 0.00000 | 310457.6 | 104017.4 | 100632.1 | S |
| 19.917 | 0.7056 | 0.0000 | 89.614 | 1.06447 | 0.00000 | 310478.8 | 104049.3 | 100632.1 | S |
| 19.925 | 0.7058 | 0.0000 | 89.613 | 1.06376 | 0.00000 | 310499.9 | 104081.2 | 100632.1 | S |
| 19.933 | 0.7060 | 0.0000 | 89.613 | 1.06305 | 0.00000 | 310521.1 | 104113.1 | 100632.1 | S |
| 19.942 | 0.7061 | 0.0000 | 89.613 | 1.06233 | 0.00000 | 310542.3 | 104145.0 | 100632.1 | S |
| 19.950 | 0.7063 | 0.0000 | 89.612 | 1.06162 | 0.00000 | 310563.5 | 104176.9 | 100632.1 | S |
| 19.958 | 0.7064 | 0.0000 | 89.612 | 1.06090 | 0.00000 | 310584.7 | 104208.7 | 100632.1 | S |
| 19.967 | 0.7065 | 0.0000 | 89.611 | 1.06019 | 0.00000 | 310605.9 | 104240.5 | 100632.1 | S |
| 19.975 | 0.7066 | 0.0000 | 89.611 | 1.05948 | 0.00000 | 310627.1 | 104272.3 | 100632.1 | S |
| 19.983 | 0.7067 | 0.0000 | 89.611 | 1.05877 | 0.00000 | 310648.3 | 104304.1 | 100632.1 | S |
| 19.992 | 0.7068 | 0.0000 | 89.610 | 1.05806 | 0.00000 | 310669.5 | 104335.8 | 100632.1 | S |
| 20.000 | 0.7064 | 0.0000 | 89.610 | 1.05734 | 0.00000 | 310690.7 | 104367.6 | 100632.1 | S |
| 20.008 | 0.7052 | 0.0000 | 89.610 | 1.05663 | 0.00000 | 310711.8 | 104399.3 | 100632.1 | S |
| 20.017 | 0.7027 | 0.0000 | 89.609 | 1.05590 | 0.00000 | 310733.0 | 104431.0 | 100632.1 | 5 |
| 20.025 | 0.6989 | 0.0000 | 89.609 | 1.05517 | 0.00000 | 310754.0 | 104462.6 | 100632.1 | S |
| 20.033 | 0.6932 | 0.0000 | 89.608 | 1.05442 | 0.00000 | 310774.9 | 104494.3 | 100632.1 | S |
| 20.042 | 0.6852 | 0.0000 | 89.608 | 1.05366 | 0.00000 | 310795.5 | 104525.9 | 100632.1 | S |
| 20.050 | 0.6745 | 0.0000 | 89.608 | 1.05286 | 0.00000 | 310815.9 | 104557.5 | 100632.1 | S |
| 20.058 | 0.6609 | 0.0000 | 89.607 | 1.05204 | 0.00000 | 310836.0 | 104589.1 | 100632.1 | S |
| 20.067 | 0.6448 | 0.0000 | 89.607 | 1.05118 | 0.00000 | 310855.6 | 104620.6 | 100632.1 | S |
| 20.075 | 0.6267 | 0.0000 | 89.606 | 1.05029 | 0.00000 | 310874.6 | 104652.1 | 100632.1 | S |
| 20.083 | 0.6071 | 0.0000 | 89.606 | 1.04935 | 0.00000 | 310893.1 | 104683.6 | 100632.1 | S |
| 20.092 | 0.5866 | 0.0000 | 89.605 | 1.04838 | 0.00000 | 310911.0 | 104715.1 | 100632.1 | S |
| 20.100 | 0.5658 | 0.0000 | 89.605 | 1.04738 | 0.00000 | 310928.3 | 104746.5 | 100632.1 | S |
| 20.108 | 0.5451 | 0.0000 | 89.604 | 1.04635 | 0.00000 | 310945.0 | 104777.9 | 100632.1 | S |
| 20.117 | 0.5249 | 0.0000 | 89.604 | 1.04529 | 0.00000 | 310961.0 | 104809.3 | 100632.1 | S |
| 20.125 | 0.5055 | 0.0000 | 89.603 | 1.04421 | 0.00000 | 310976.5 | 104840.7 | 100632.1 | S |
| 20.133 | 0.4872 | 0.0000 | 89.603 | 1.04311 | 0.00000 | 310991.4 | 104872.0 | 100632.1 | S |
| 20.142 | 0.4701 | 0.0000 | 89.602 | 1.04201 | 0.00000 | 311005.8 | 104903.3 | 100632.1 | S |
| 20.150 | 0.4543 | 0.0000 | 89.601 | 1.04089 | 0.00000 | 311019.6 | 104934.5 | 100632.1 | S |
| 20.158 | 0.4401 | 0.0000 | 89.601 | 1.03977 | 0.00000 | 311033.0 | 104965.7 | 100632.1 | S |
| 20.167 | 0.4278 | 0.0000 | 89.600 | 1.03865 | 0.00000 | 311046.1 | 104996.9 | 100632.1 | S |
| 20.175 | 0.4171 | 0.0000 | 89.599 | 1.03753 | 0.00000 | 311058.7 | 105028.0 | 100632.1 | S |
| 20.183 | 0.4079 | 0.0000 | 89.599 | 1.03642 | 0.00000 | 311071.1 | 105059.1 | 100632.1 | S |
| 20.192 | 0.3997 | 0.0000 | 89.598 | 1.03532 | 0.00000 | 311083.2 | 105090.2 | 100632.1 | S |
| 20.200 | 0.3925 | 0.0000 | 89.597 | 1.03423 | 0.00000 | 311095.1 | 105121.3 | 100632.1 | S |
| 20.208 | 0.3861 | 0.0000 | 89.597 | 1.03315 | 0.00000 | 317106.8 | 105152.3 | 100632.1 | S |
| 20.217 | 0.3805 | 0.0000 | 89.596 | 1.03207 | 0.00000 | 311118.3 | 105183.2 | 100632.1 | S |
| 20.225 | 0.3754 | 0.0000 | 89.595 | 1.03101 | 0.00000 | 311129.6 | 105214.2 | 100632.1 | S |
| 20.233 | 0.3709 | 0.0000 | 89.594 | 1.02996 | 0.00000 | 311140.8 | 105245.1 | 100632.1 | S |
| 20.242 | 0.3669 | 0.0000 | 89.594 | 1.02892 | 0.00000 | 311151.9 | 105276.0 | 100632.1 | S |
| 20.250 | 0.3633 | 0.0000 | 89.593 | 1.02789 | 0.00000 | 311162.8 | 105306.8 | 100632.1 | S |
| 20.258 | 0.3603 | 0.0000 | 89.592 | 1.02687 | 0.00000 | 311173.7 | 105337.7 | 100632.1 | S |
| 20.267 | 0.3575 | 0.0000 | 89.592 | 1.02586 | 0.00000 | 311184.4 | 105368.5 | 100632.1 | S |
| 20.275 | 0.3550 | 0.0000 | 89.591 | 1.02486 | 0.00000 | 3\$1195.1 | 105399.2 | 100632.1 | S |
| 20.283 | 0.3529 | 0.0000 | 89.590 | 1.02387 | 0.00000 | 311205.8 | 105429.9 | 100632.1 | S |
| 20.292 | 0.3510 | 0.0000 | 89.589 | 1.02289 | 0.00000 | 311216.3 | 105460.6 | 100632.1 | S |
| 20.300 | 0.3493 | 0.0000 | 89.589 | 1.02191 | 0.00000 | 311226.8 | 105491.3 | 100632.1 | 5 |
| 20.308 | 0.3478 | 0.0000 | 89.588 | 1.02095 | 0.00000 | 311237.3 | 105522.0 | 100632.1 | 5 |
| 20.317 | 0.3465 | 0.0000 | 89.587 | 1.01999 | 0.00000 | 311247.7 | 105552.6 | 100632.1 | S |
| 20.325 | 0.3453 | 0.0000 | 89.586 | 1.01904 | 0.00000 | 311258.1 | 105583.2 | 100632.1 | S |
| 20.333 | 0.3443 | 0.0000 | 89.586 | 1.01810 | 0.00000 | 311268.4 | 105613.7 | 100632.1 | S |
| 20.342 | 0.3434 | 0.0000 | 89.585 | 1.01716 | 0.00000 | 311278.7 | 105644.2 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / 5}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{ft} 3 / \mathrm{s}$ ) | $\begin{aligned} & \text { Cumulative } \\ & \text { Inflow } \\ & \text { Volume }\left(\mathrm{ft}^{3}\right) \end{aligned}$ | Cumulative Infiltration Volume ( $\mathrm{H}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 20.350 | 0.3426 | 0.0000 | 89.584 | 1.01623 | 0.00000 | 311289.0 | 105874.7 | 100632.1 | S |
| 20.358 | 0.3418 | 0.0000 | 89.584 | 1.01531 | 0.00000 | 311299.3 | 105705.2 | 100632.1 | S |
| 20.367 | 0.3412 | 0.0000 | 89.583 | 1.01440 | 0.00000 | 311309.5 | 105735.7 | 100632.1 | S |
| 20.375 | 0.3406 | 0.0000 | 89.582 | 1.01349 | 0.00000 | 311319.8 | 105766.1 | 100632.1 | S |
| 20.383 | 0.3401 | 0.0000 | 89.581 | 1.01259 | 0.00000 | 311330.0 | 105796.5 | 100632.1 | S |
| 20.392 | 0.3397 | 0.0000 | 89.581 | 1.01169 | 0.00000 | 311340.2 | 105826.8 | 100632.1 | S |
| 20.400 | 0.3393 | 0.0000 | 89.580 | 1.01080 | 0.00000 | 311350.3 | 105857.2 | 100632.1 | S |
| 20.408 | 0.3390 | 0.0000 | 89.579 | 1.00991 | 0.00000 | 311360.5 | 105887.5 | 100632.1 | S |
| 20.417 | 0.3387 | 0.0000 | 89.578 | 1.00903 | 0.00000 | 311370.7 | 105917.8 | 100632.1 | S |
| 20.425 | 0.3384 | 0.0000 | 89.578 | \$.00815 | 0.00000 | 311380.8 | 105948.0 | 100632.1 | S |
| 20.433 | 0.3381 | 0.0000 | 89.577 | 1.00728 | 0.00000 | 311391.0 | 105978.3 | 100632.1 | S |
| 20.442 | 0.3379 | 0.0000 | 89.576 | 1.00642 | 0.00000 | 311401.1 | 106008.5 | 100632.1 | S |
| 20.450 | 0.3377 | 0.0000 | 89.576 | 1.00555 | 0.00000 | 311411.3 | 106038.6 | 100632.1 | S |
| 20.458 | 0.3376 | 0.0000 | 89.575 | 1.00470 | 0.00000 | 311421.4 | 106068.8 | 100632.1 | S |
| 20.467 | 0.3374 | 0.0000 | 89.574 | 1.00384 | 0.00000 | 311431.5 | 106098.9 | 100632.1 | S |
| 20.475 | 0.3373 | 0.0000 | 89.573 | 1.00299 | 0.00000 | 311441.6 | 106129.0 | 100632.1 | S |
| 20.483 | 0.3371 | 0.0000 | 89.573 | 1.00215 | 0.00000 | 311451.8 | 106159.1 | 100632.1 | S |
| 20.492 | 0.3370 | 0.0000 | 89.572 | 1.00131 | 0.00000 | 311461.9 | 106189.2 | 100632.1 | S |
| 20.500 | 0.3370 | 0.0000 | 89.571 | 1.00047 | 0.00000 | 311472.0 | 106219.2 | 100632.1 | S |
| 20.508 | 0.3374 | 0.0000 | 89.570 | 0.99964 | 0.00000 | 311482.1 | 106249.2 | 100632.1 | S |
| 20.517 | 0.3382 | 0.0000 | 89.570 | 0.99881 | 0.00000 | 311492.2 | 106279.2 | 100632.1 | S |
| 20.525 | 0.3396 | 0.0000 | 89.569 | 0.99800 | 0.00000 | 311502.4 | 106309.1 | 100632.1 | S |
| 20.533 | 0.3418 | 0.0000 | 89.568 | 0.99719 | 0.00000 | 311512.6 | 106339.0 | 100632.1 | S |
| 20.542 | 0.3449 | 0.0000 | 89.568 | 0.99639 | 0.00000 | 311522.9 | 106368.9 | 100632.1 | S |
| 20.550 | 0.3492 | 0.0000 | 89.567 | 0.99561 | 0.00000 | 311533.3 | 106398.8 | 100632.1 | S |
| 20.558 | 0.3547 | 0.0000 | 89.566 | 0.99484 | 0.00000 | 311543.9 | 106428.7 | 100632.1 | S |
| 20.567 | 0.3615 | 0.0000 | 89.565 | 0.99410 | 0.00000 | 311554.6 | 106458.5 | 100632.1 | S |
| 20.575 | 0.3693 | 0.0000 | 89.565 | 0.99337 | 0.00000 | 311565.6 | 106488.3 | 100632.1 | S |
| 20.583 | 0.3779 | 0.0000 | 89.564 | 0.99266 | 0.00000 | 311576.8 | 106518.1 | 100632.1 | S |
| 20.592 | 0.3870 | 0.0000 | 89.563 | 0.99198 | 0.00000 | 311588.3 | 106547.9 | 100632.1 | S |
| 20.600 | 0.3964 | 0.0000 | 89.563 | 0.99131 | 0.00000 | 311600.0 | 106577.6 | 100632.1 | S |
| 20.608 | 0.4058 | 0.0000 | 89.562 | 0.99066 | 0.00000 | 311612.1 | 106607.4 | 100632.1 | S |
| 20.617 | 0.4151 | 0.0000 | 89.562 | 0.99003 | 0.00000 | 311624.4 | 106637.1 | 100632.1 | S |
| 20.625 | 0.4241 | 0.0000 | 89.561 | 0.98941 | 0.00000 | 311636.9 | 106666.8 | 100632.1 | S |
| 20.633 | 0.4327 | 0.0000 | 89.560 | 0.98880 | 0.00000 | 311649.8 | 106696.4 | 100632.1 | S |
| 20.642 | 0.4407 | 0.0000 | 89.560 | 0.98820 | 0.00000 | 311662.9 | 106726.1 | 100632.3 | S |
| 20.650 | 0.4481 | 0.0000 | 89.559 | 0.98761 | 0.00000 | 311676.3 | 106755.7 | 100632.1 | S |
| 20.658 | 0.4549 | 0.0000 | 89.559 | 0.98703 | 0.00000 | 311689.8 | 106785.4 | 100632.1 | S |
| 20.667 | 0.4609 | 0.0000 | 89.558 | 0.98645 | 0.00000 | 311703.5 | 106815.0 | 100632.1 | S |
| 20.675 | 0.4662 | 0.0000 | 89.557 | 0.98587 | 0.00000 | 311717.4 | 106844.5 | 100632.1 | S |
| 20.683 | 0.4707 | 0.0000 | 89.557 | 0.98529 | 0.00000 | 311731.5 | 106874.1 | 100632.1 | S |
| 20.692 | 0.4746 | 0.0000 | 89.556 | 0.98471 | 0.00000 | 311745.7 | 106903.7 | 100632.1 | S |
| 20.700 | 0.4781 | 0.0000 | 89.556 | 0.98413 | 0.00000 | 311759.9 | 106933.2 | 100632.1 | S |
| 20.708 | 0.4812 | 0.0000 | 89.555 | 0.98355 | 0.00000 | 311774.3 | 106962.7 | 100632.1 | S |
| 20.717 | 0.4839 | 0.0000 | 89.555 | 0.98297 | 0.00000 | 311788.8 | 106992.2 | 100632.1 | S |
| 20.725 | 0.4863 | 0.0000 | 89.554 | 0.98238 | 0.00000 | 311803.4 | 107021.7 | 100632.1 | S |
| 20.733 | 0.4885 | 0.0000 | 89.554 | 0.98180 | 0.00000 | 311818.0 | 107051.1 | 100632.1 | S |
| 20.742 | 0.4904 | 0.0000 | 89.553 | 0.98121 | 0.00000 | 311832.7 | 107080.6 | 100632.1 | S |
| 20.750 | 0.4921 | 0.0000 | 89.552 | 0.98062 | 0.00000 | 311847.4 | 107110.0 | 100632.1 | S |
| 20.758 | 0.4936 | 0.0000 | 89.552 | 0.98002 | 0.00000 | 311862.2 | 107139.4 | 100632.1 | S |
| 20.767 | 0.4950 | 0.0000 | 89.551 | 0.97943 | 0.00000 | 311877.0 | 107168.8 | 100632.1 | S |
| 20.775 | 0.4961 | 0.0000 | 89.551 | 0.97883 | 0.00000 | 311891.9 | 107198.2 | 100632.1 | S |
| 20.783 | 0.4972 | 0.0000 | 89.550 | 0.97824 | 0.00000 | 311906.8 | 107227.5 | 100632.1 | S |
| 20.792 | 0.4981 | 0.0000 | 89.550 | 0.97764 | 0.00000 | $3 \uparrow 1921.7$ | 107256.9 | 100632.1 | S |
| 20.800 | 0.4989 | 0.0000 | 89.549 | 0.97704 | 0.00000 | 311936.7 | 107286.2 | 100632.1 | S |
| 20.808 | 0.4996 | 0.0000 | 89.549 | 0.97644 | 0.00000 | 311951.7 | 107315.5 | 100632.1 | S |
| 20.817 | 0.5003 | 0.0000 | 89.548 | 0.97583 | 0.00000 | 311966.7 | 107344.8 | 100632.1 | S |
| 20.825 | 0.5008 | 0.0000 | 89.548 | 0.97523 | 0.00000 | 311981.7 | 107374.1 | 100632.1 | S |
| 20.833 | 0.5013 | 0.0000 | 89.547 | 0.97463 | 0.00000 | 311996.7 | 107403.3 | 100632.1 | S |
| 20.842 | 0.5018 | 0.0000 | 89.547 | 0.97402 | 0.00000 | 312011.8 | 107432.5 | 100632.1 | S |
| 20.850 | 0.5022 | 0.0000 | 89.546 | 0.97341 | 0.00000 | 312026.8 | 107461.8 | 100632.1 | S |
| 20.858 | 0.5025 | 0.0000 | 89.546 | 0.97281 | 0.00000 | 312041.9 | 107490.9 | 100632.1 | S |
| 20.867 | 0.5028 | 0.0000 | 89.545 | 0.97220 | 0.00000 | 312057.0 | 107520.1 | 100632.1 | S |
| 20.875 | 0.5031 | 0.0000 | 89.545 | 0.97159 | 0.00000 | 312072.1 | 107549.3 | 100632.1 | S |
| 20.883 | 0.5033 | 0.0000 | 89.544 | 0.97099 | 0.00000 | 312087.2 | 107578.4 | 100632.1 | S |
| 20.892 | 0.5035 | 0.0000 | 89.544 | 0.97038 | 0.00000 | 312102.3 | 107607.5 | 100632.1 | S |
| 20.900 | 0.5037 | 0.0000 | 89.543 | 0.96977 | 0.00000 | 312117.3 | 107636.6 | 100632.1 | S |
| 20.908 | 0.5039 | 0.0000 | 89.543 | 0.96916 | 0.00000 | 312132.5 | 107665.7 | 100632.1 | S |
| 20.917 | 0.5040 | 0.0000 | 89.542 | 0.96855 | 0.00000 | 312147.6 | 107694.8 | 100632.1 | S |
| 20.925 | 0.5042 | 0.0000 | 89.542 | 0.96795 | 0.00000 | 312162.7 | 107723.8 | 100632.1 | S |
| 20.933 | 0.5043 | 0.0000 | 89.541 | 0.96734 | 0.00000 | 312177.8 | 107752.9 | 100632.1 | S |
| 20.942 | 0.5044 | 0.0000 | 89.541 | 0.96673 | 0.00000 | 312193.0 | 107781.9 | 100632.1 | S |
| 20.950 | 0.5045 | 0.0000 | 89.540 | 0.96612 | 0.00000 | 312208.1 | 107810.9 | 100632.1 | S |
| 20.958 | 0.5046 | 0.0000 | 89.540 | 0.96552 | 0.00000 | 312223.3 | 107839.8 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume (ft ${ }^{3}$ ) | Cumulative Enfiltration Volume ( $\mathrm{t}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ff}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 20.967 | 0.5047 | 0.0000 | 89.539 | 0.96491 | 0.00000 | 312238.4 | 107868.8 | 100632.1 | S |
| 20.975 | 0.5047 | 0.0000 | 89.539 | 0.96430 | 0.00000 | 312253.5 | 107897.7 | 100632.1 | S |
| 20.983 | 0.5048 | 0.0000 | 89.538 | 0.96370 | 0.00000 | 312268.7 | 107926.7 | 100632.1 | S |
| 20.992 | 0.5048 | 0.0000 | 89.538 | 0.96309 | 0.00000 | 312283.8 | 107955.6 | 100632.1 | S |
| 21.000 | 0.5049 | 0.0000 | 89.537 | 0.96249 | 0.00000 | 312298.9 | 107984.4 | 100632.1 | S |
| 21.008 | 0.5047 | 0.0000 | 89.537 | 0.96188 | 0.00000 | 312314.1 | 108013.3 | 100632.1 | S |
| 21.017 | 0.5041 | 0.0000 | 89.536 | 0.96127 | 0.00000 | 312329.2 | 108042.1 | 100632.1 | S |
| 21.025 | 0.5030 | 0.0000 | 89.536 | 0.96066 | 0.00000 | 312344.3 | 108071.0 | 100632.1 | S |
| 21.033 | 0.5012 | 0.0000 | 89.535 | 0.96005 | 0.00000 | 312359.4 | 108099.8 | 100632.1 | S |
| 21.042 | 0.4986 | 0.0000 | 89.535 | 0.95943 | 0.00000 | 312374.4 | 108128.6 | 100632.1 | S |
| 21.050 | 0.4949 | 0.0000 | 89.534 | 0.95880 | 0.00000 | 312389.3 | 108157.4 | 100632.1 | S |
| 21.058 | 0.4900 | 0.0000 | 89.534 | 0.95816 | 0.00000 | 312404.1 | 108186.1 | 100632.1 | S |
| 21.067 | 0.4838 | 0.0000 | 89.533 | 0.95751 | 0.00000 | 312418.7 | 108214.8 | 100632.1 | S |
| 21.075 | 0.4764 | 0.0000 | 89.533 | 0.95684 | 0.00000 | 312433.1 | 108243.6 | 100632.1 | S |
| 21.083 | 0.4681 | 0.0000 | 89.532 | 0.95615 | 0.00000 | 312447.3 | 108272.3 | 100632.1 | S |
| 21.092 | 0.4592 | 0.0000 | 89.531 | 0.95545 | 0.00000 | 312461.2 | 108300.9 | 100632.1 | S |
| 21.100 | 0.4499 | 0.0000 | 89.531 | 0.95473 | 0.00000 | 312474.8 | 108329.6 | 100632.1 | S |
| 21.108 | 0.4404 | 0.0000 | 89.530 | 0.95399 | 0.00000 | 312488.2 | 108358.2 | 100632.1 | S |
| 21.117 | 0.4310 | 0.0000 | 89.530 | 0.95324 | 0.00000 | 312501.2 | 108386.8 | 100632.1 | S |
| 21.125 | 0.4218 | 0.0000 | 89.529 | 0.95248 | 0.00000 | 312514.0 | 108415.4 | 100632.1 | S |
| 21.133 | 0.4130 | 0.0000 | 89.529 | 0.95171 | 0.00000 | 312526.5 | 108444.0 | 100632.1 | S |
| 21.142 | 0.4048 | 0.0000 | 89.528 | 0.95094 | 0.00000 | 312538.8 | 108472.5 | 100632.1 | S |
| 21.150 | 0.3970 | 0.0000 | 89.527 | 0.95016 | 0.00000 | 312550.8 | 108501.0 | 100632.1 | S |
| 21.158 | 0.3899 | 0.0000 | 89.527 | 0.94937 | 0.00000 | 312562.6 | 108529.5 | 100632.1 | S |
| 21.167 | 0.3835 | 0.0000 | 89.526 | 0.94859 | 0.00000 | 312574.2 | 108558.0 | 100632.1 | S |
| 21.175 | 0.3779 | 0.0000 | 89.526 | 0.94780 | 0.00000 | 312585.7 | 108586.4 | 100632.1 | S |
| 21.183 | 0.3731 | 0.0000 | 89.525 | 0.94702 | 0.00000 | 312596.9 | 108614.9 | 100632.1 | S |
| 21.192 | 0.3689 | 0.0000 | 89.524 | 0.94624 | 0.00000 | 312608.0 | 108643.3 | 100632.1 | S |
| 21.200 | 0.3652 | 0.0000 | 89.524 | 0.94547 | 0.00000 | 312619.1 | 108671.6 | 100632.1 | S |
| 21.208 | 0.3619 | 0.0000 | 89.523 | 0.94470 | 0.00000 | 312630.0 | 108700.0 | 100632.1 | S |
| 21.217 | 0.3591 | 0.0000 | 89.522 | 0.94393 | 0.00000 | 312640.8 | 108728.3 | 100632.1 | S |
| 21.225 | 0.3565 | 0.0000 | 89.522 | 0.94317 | 0.00000 | 312651.5 | 108756.6 | 100632.1 | S |
| 21.233 | 0.3542 | 0.0000 | 89.521 | 0.94242 | 0.00000 | 312662.2 | 108784.9 | 100632.1 | S |
| 21.242 | 0.3522 | 0.0000 | 89.520 | 0.94167 | 0.00000 | 312672.8 | 108813.2 | 100632.1 | S |
| 21.250 | 0.3503 | 0.0000 | 89.520 | 0.94092 | 0.00000 | 312683.3 | 108841.4 | 100632.1 | S |
| 21.258 | 0.3487 | 0.0000 | 89.519 | 0.94018 | 0.00000 | 312693.8 | 108869.6 | 100632.1 | S |
| 21.267 | 0.3474 | 0.0000 | 89.519 | 0.93945 | 0.00000 | 312704.3 | 108897.8 | 100632.1 | S |
| 21.275 | 0.3461 | 0.0000 | 89.518 | 0.93872 | 0.00000 | 312714.6 | 108926.0 | 100632.1 | S |
| 21.283 | 0.3450 | 0.0000 | 89.517 | 0.93799 | 0.00000 | 312725.0 | 108954.1 | 100632.1 | S |
| 21.292 | 0.3440 | 0.0000 | 89.517 | 0.93727 | 0.00000 | 312735.3 | 108982.3 | 100632.1 | S |
| 21.300 | 0.3432 | 0.0000 | 89.516 | 0.93655 | 0.00000 | 312745.7 | 109010.4 | 100632.1 | S |
| 21.308 | 0.3424 | 0.0000 | 89.515 | 0.93584 | 0.00000 | 312755.9 | 109038.5 | 100632.1 | S |
| 21.317 | 0.3417 | 0.0000 | 89.515 | 0.93514 | 0.00000 | 312766.2 | 109066.5 | 100632.1 | S |
| 21.325 | 0.3411 | 0.0000 | 89.514 | 0.93443 | 0.00000 | 312776.4 | 109094.6 | 100632.1 | S |
| 21.333 | 0.3406 | 0.0000 | 89.513 | 0.93373 | 0.00000 | 312786.7 | 109122.6 | 100632.1 | S |
| 21.342 | 0.3401 | 0.0000 | 89.513 | 0.93304 | 0.00000 | 312796.9 | 109150.6 | 100632.1 | S |
| 21.350 | 0.3397 | 0.0000 | 89.512 | 0.93235 | 0.00000 | 312807.1 | 109178.6 | 100632.1 | S |
| 21.358 | 0.3394 | 0.0000 | 89.511 | 0.93166 | 0.00000 | 312817.3 | 109206.5 | 100632.1 | S |
| 21.367 | 0.3390 | 0.0000 | 89.511 | 0.93097 | 0.00000 | 312827.4 | 109234.5 | 100632.1 | S |
| 21.375 | 0.3387 | 0.0000 | 89.510 | 0.93029 | 0.00000 | 312837.6 | 109262.4 | 100632.1 | S |
| 21.383 | 0.3385 | 0.0000 | 89.509 | 0.92961 | 0.00000 | 312847.8 | 109290.3 | 100632.1 | S |
| 21.392 | 0.3383 | 0.0000 | 89.509 | 0.92894 | 0.00000 | 312857.9 | 109318.2 | 100632.1 | S |
| 21.400 | 0.3381 | 0.0000 | 89.508 | 0.92826 | 0.00000 | 312868.1 | 109346.0 | 100632.1 | S |
| 21.408 | 0.3379 | 0.0000 | 89.508 | 0.92760 | 0.00000 | 312878.2 | 109373.9 | 100632.1 | S |
| 21.417 | 0.3377 | 0.0000 | 89.507 | 0.92693 | 0.00000 | 312888.3 | 109401.7 | 100632.1 | S |
| 21.425 | 0.3376 | 0.0000 | 89.506 | 0.92626 | 0.00000 | 312898.5 | 109429.5 | 100632.1 | S |
| 21.433 | 0.3375 | 0.0000 | 89.506 | 0.92560 | 0.00000 | 312908.6 | 109457.3 | 100632.1 | S |
| 21.442 | 0.3374 | 0.0000 | 89.505 | 0.92495 | 0.00000 | 312918.7 | 109485.0 | 100632.1 | S |
| 21.450 | 0.3373 | 0.0000 | 89.504 | 0.92429 | 0.00000 | 312928.8 | 109512.8 | 100632.1 | S |
| 21.458 | 0.3372 | 0.0000 | 89.504 | 0.92364 | 0.00000 | 312938.9 | 109540.5 | 100632.1 | S |
| 21.467 | 0.3371 | 0.0000 | 89.503 | 0.92298 | 0.00000 | 312949.1 | 109568.2 | 100632.1 | S |
| 21.475 | 0.3370 | 0.0000 | 89.502 | 0.92234 | 0.00000 | 312959.2 | 109595.9 | 100632.1 | S |
| 21.483 | 0.3370 | 0.0000 | 89.502 | 0.92169 | 0.00000 | 312969.3 | 109623.5 | 100632.1 | S |
| 21.492 | 0.3369 | 0.0000 | 89.501 | 0.92105 | 0.00000 | 312979.4 | 109651.2 | 100632.1 | S |
| 21.500 | 0.3369 | 0.0000 | 89.500 | 0.92040 | 0.00000 | 312989.5 | 109678.8 | 100632.1 | S |
| 21.508 | 0.3370 | 0.0000 | 89.500 | 0.91976 | 0.00000 | 312999.6 | 109706.4 | 100632.1 | S |
| 21.517 | 0,3378 | 0.0000 | 89.499 | 0.91913 | 0.00000 | 313009.7 | 109734.0 | 100632.1 | S |
| 21.525 | 0.3396 | 0.0000 | 89.499 | 0.91850 | 0.00000 | 313019.9 | 109761.5 | 100632.1 | S |
| 21.533 | 0.3426 | 0.0000 | 89.498 | 0.91789 | 0.00000 | 313030.1 | 109789.1 | 100632.1 | S |
| 21.542 | 0.3470 | 0.0000 | 89.497 | 0.91729 | 0.00000 | 313040.5 | 109816.6 | 100632.1 | S |
| 21.550 | 0.3534 | 0.0000 | 89.497 | 0.91670 | 0.00000 | 313051.0 | 109844.1 | 100632.1 | S |
| 21.558 | 0.3620 | 0.0000 | 89.496 | 0.91614 | 0.00000 | 313061.7 | 109871.6 | 100632.1 | S |
| 21.567 | 0.3732 | 0.0000 | 89.495 | 0.91561 | 0.00000 | 313072.7 | 109899.1 | 100632.1 | S |
| 21.575 | 0.3868 | 0.0000 | 89.495 | 0.91512 | 0.00000 | 313084.1 | 109926.5 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (fi/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overfiow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $t^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{t}^{3}$ ) | Cumulative Discharge Volume (ft ${ }^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 21.583 | 0.4025 | 0.0000 | 89.494 | 0.91465 | 0.00000 | 313096.0 | 109954.0 | 100632.1 | S |
| 21.592 | 0.4197 | 0.0000 | 89.494 | 0.91423 | 0.00000 | 313108.3 | 109981.4 | 100632.1 | S |
| 21.600 | 0.4380 | 0.0000 | 89.493 | 0.91384 | 0.00000 | 313121.2 | 110008.8 | 100632.1 | S |
| 21.608 | 0.4568 | 0.0000 | 89.493 | 0.91349 | 0.00000 | 313134.6 | 110036.3 | 100632.1 | S |
| 21.617 | 0.4756 | 0.0000 | 89.492 | 0.91316 | 0,00000 | 313148.6 | 110063.6 | 100632.1 | S |
| 21.625 | 0.4942 | 0.0000 | 89.492 | 0.91287 | 0.00000 | 313163.1 | 110091.0 | 100632.1 | S |
| 21.633 | 0.5122 | 0.0000 | 89.491 | 0.91260 | 0.00000 | 313178.2 | 110118.4 | 100632.1 | S |
| 21.642 | 0.5293 | 0.0000 | 89.491 | 0.91235 | 0.00000 | 313193.8 | 110145.8 | 100632.1 | S |
| 21.650 | 0.5453 | 0.0000 | 89.490 | 0.91211 | 0.00000 | 313210.0 | 110173.2 | 100632.1 | S |
| 21.658 | 0.5601 | 0.0000 | 89.490 | 0.91189 | 0.00000 | 313226.5 | 110200.5 | 100632.1 | S |
| 21.667 | 0.5736 | 0.0000 | 89.490 | 0.91167 | 0.00000 | 313243.6 | \$10227.9 | 100632.1 | S |
| 21.675 | 0.5856 | 0.0000 | 89.489 | 0.91146 | 0.00000 | 313260.9 | 110255.2 | 100632.1 | S |
| 21.683 | 0.5960 | 0.0000 | 89.489 | 0.91125 | 0.00000 | 313278.7 | 110282.6 | 100632.1 | S |
| 21.692 | 0.6049 | 0.0000 | 89.489 | 0.91104 | 0.00000 | 313296.7 | 110309.9 | 100632.1 | S |
| 21.700 | 0.6128 | 0.0000 | 89.488 | 0.91082 | 0.00000 | 313314.9 | 110337.2 | 100632.1 | S |
| 21.708 | 0.6197 | 0.0000 | 89.488 | 0.91059 | 0.00000 | 313333.4 | 110364.5 | 100632.1 | S |
| 21.717 | 0.6258 | 0.0000 | 89.488 | 0.91036 | 0.00000 | 313352.1 | 110391.9 | 100632.1 | S |
| 21.725 | 0.6313 | 0.0000 | 89.487 | 0.91012 | 0.00000 | 313371.0 | 110419.2 | 100632.1 | S |
| 21.733 | 0.6361 | 0.0000 | 89.487 | 0.90988 | 0.00000 | 313390.0 | 110446.5 | 100632.1 | S |
| 21.742 | 0.6404 | 0.0000 | 89.487 | 0.90962 | 0.00000 | 313409.1 | 110473.8 | 100632.1 | S |
| 21.750 | 0.6443 | 0,0000 | 89.486 | 0.90937 | 0.00000 | 313428.4 | 110501.0 | 100632.1 | S |
| 21.758 | 0.6477 | 0.0000 | 89.486 | 0.90910 | 0.00000 | 313447.8 | 110528.3 | 100632.1 | S |
| 21.767 | 0.6507 | 0.0000 | 89.486 | 0.90883 | 0.00000 | 313467.3 | 110555.6 | 100632.1 | S |
| 21.775 | 0.6533 | 0.0000 | 89.486 | 0.90855 | 0.00000 | 313486.8 | 110582.9 | 100632.1 | S |
| 21.783 | 0.6556 | 0.0000 | 89.485 | 0.90826 | 0.00000 | 313506.4 | 110610.1 | 100632.1 | S |
| 21.792 | 0.6577 | 0.0000 | 89.485 | 0.90797 | 0.00000 | 313526.2 | 110637.3 | 100632.1 | S |
| 21.800 | 0.6596 | 0.0000 | 89.485 | 0.90767 | 0.00000 | 313545.9 | 710664.6 | 100632.1 | S |
| 21.808 | 0.6612 | 0.0000 | 89.484 | 0.90737 | 0.00000 | 313565.7 | 110691.8 | 100632.1 | S |
| 21.817 | 0.6626 | 0.0000 | 89.484 | 0.90706 | 0.00000 | 313585.6 | 110719.0 | 100632.1 | S |
| 21.825 | 0.6639 | 0.0000 | 89.484 | 0.90675 | 0.00000 | 313605.5 | 110746.2 | 100632.1 | S |
| 21.833 | 0.6650 | 0.0000 | 89.484 | 0.90643 | 0.00000 | 313625.4 | 110773.4 | 100632.1 | S |
| 21.842 | 0.6660 | 0.0000 | 89.483 | 0.90611 | 0.00000 | 313645.4 | 110800.6 | 100632.1 | S |
| 21.850 | 0.6669 | 0.0000 | 89.483 | 0.90578 | 0.00000 | 313665.4 | 110827.8 | 100632.1 | S |
| 21.858 | 0.6676 | 0.0000 | 89.483 | 0.90545 | 0.00000 | 313685.4 | 110855.0 | 100632.1 | S |
| 21.867 | 0.6683 | 0.0000 | 89.483 | 0.90511 | 0.00000 | 313705.4 | 110882.1 | 100632.1 | S |
| 21.875 | 0.6689 | 0.0000 | 89.482 | 0.90477 | 0.00000 | 313725.5 | 110909.3 | 100632.1 | S |
| 21.883 | 0.6695 | 0.0000 | 89.482 | 0.90443 | 0.00000 | 313745.6 | 110936.4 | 100632.1 | S |
| 21.892 | 0.6700 | 0.0000 | 89.482 | 0.90409 | 0.00000 | 313765.7 | 110963.5 | 100632.1 | S |
| 21.900 | 0.6704 | 0.0000 | 89.482 | 0.90374 | 0.00000 | 313785.8 | 110990.7 | 100632.1 | S |
| 21.908 | 0.6708 | 0.0000 | 89.481 | 0.90339 | 0.00000 | 313805.9 | 111017.8 | 100632.1 | S |
| 21.917 | 0.6711 | 0.0000 | 89.481 | 0.90303 | 0.00000 | 313826.0 | 111044.9 | 100632.1 | S |
| 21.925 | 0.6714 | 0.0000 | 89.481 | 0.90268 | 0.00000 | 313846.1 | 111071.9 | 100632.1 | S |
| 21.933 | 0.6716 | 0.0000 | 89.481 | 0.90232 | 0.00000 | 313866.3 | 111099.0 | 100632.1 | S |
| 21.942 | 0.6719 | 0.0000 | 89.480 | 0.90196 | 0.00000 | 313886.4 | 111126.1 | 100632.1 | S |
| 21.950 | 0.6721 | 0.0000 | 89.480 | 0.90159 | 0.00000 | 313906.6 | 111153.1 | 100632.1 | S |
| 21.958 | 0.6723 | 0.0000 | 89.480 | 0.90123 | 0.00000 | 313926.8 | 111180.2 | 100632.1 | S |
| 21.967 | 0.6724 | 0.0000 | 89.480 | 0.90086 | 0.00000 | 313946.9 | 111207.2 | 100632.1 | S |
| 21.975 | 0.6726 | 0.0000 | 89.479 | 0.90049 | 0.00000 | 313967.1 | 111234.2 | 100632.1 | S |
| 21.983 | 0.6727 | 0.0000 | 89.479 | 0.90012 | 0.00000 | 313987.3 | 111261.2 | 100632.1 | S |
| 21.992 | 0.6729 | 0.0000 | 89.479 | 0.89975 | 0.00000 | 314007.5 | 111288.2 | 100632.1 | S |
| 22.000 | 0.6730 | 0.0000 | 89.479 | 0.89938 | 0.00000 | 314027.7 | 111315.2 | 100632.1 | S |
| 22.008 | 0.6730 | 0.0000 | 89.478 | 0.89900 | 0.00000 | 314047.8 | 111342.2 | 100632.1 | S |
| 22.017 | 0.6726 | 0.0000 | 89.478 | 0.89863 | 0.00000 | 314068.0 | 111369.2 | 100632.1 | S |
| 22.025 | 0.6714 | 0.0000 | 89.478 | 0.89824 | 0.00000 | 314088.2 | 111396.1 | 100632.1 | S |
| 22.033 | 0.6691 | 0.0000 | 89.478 | 0.89785 | 0.00000 | 314108.3 | 111423.1 | 100632.1 | S |
| 22.042 | 0.6655 | 0.0000 | 89.477 | 0.89745 | 0.00000 | 314128.3 | 111450.0 | 100632.1 | S |
| 22.050 | 0.6601 | 0.0000 | 89.477 | 0.89703 | 0.00000 | 314148.2 | 111476.9 | 100632.1 | S |
| 22.058 | 0.6527 | 0.0000 | 89.477 | 0.89660 | 0.00000 | 314167.9 | 111503.8 | 100632.1 | S |
| 22.067 | 0.6428 | 0.0000 | 89.476 | 0.89613 | 0.00000 | 314187.3 | 111530.7 | 100632.1 | S |
| 22.075 | 0.6302 | 0.0000 | 89.476 | 0.89564 | 0.00000 | 314206.4 | 111557.6 | 100632.1 | S |
| 22.083 | 0.6154 | 0.0000 | 89.476 | 0.89511 | 0.00000 | 314225.1 | 111584.4 | 100632.1 | S |
| 22.092 | 0.5988 | 0.0000 | 89.476 | 0.89455 | 0.00000 | 314243.3 | 111611.3 | 100632.1 | S |
| 22.100 | 0.5809 | 0.0000 | 89.475 | 0.89395 | 0.00000 | 314261.0 | 111638.1 | 100632.1 | S |
| 22.108 | 0.5622 | 0.0000 | 89.475 | 0.89332 | 0.00000 | 314278.2 | 111664.9 | 100632.1 | S |
| 22.117 | 0.5434 | 0.0000 | 89.475 | 0.89266 | 0.00000 | 314294.8 | 111691.7 | 100632.1 | S |
| 22.125 | 0.5246 | 0.0000 | 89.474 | 0.89196 | 0.00000 | 314310.8 | 111718.5 | 100632.1 | S |
| 22.133 | 0.5062 | 0.0000 | 89.474 | 0.89125 | 0.00000 | 314326.2 | 111745.2 | 100632.1 | S |
| 22.142 | 0.4887 | 0.0000 | 89.473 | 0.89051 | 0.00000 | 314341.2 | 111772.0 | 100632.1 | S |
| 22.150 | 0.4722 | 0.0000 | 89.473 | 0.88975 | 0.00000 | 314355.6 | 111798.7 | 100632.1 | S |
| 22.158 | 0.4567 | 0.0000 | 89.472 | 0.88898 | 0.00000 | 314369.5 | 111825.3 | 100632.1 | S |
| 22.167 | 0.4425 | 0.0000 | 89.472 | 0.88821 | 0.00000 | 314383.0 | 111852.0 | 100632.1 | S |
| 22.175 | 0.4297 | 0.0000 | 89.471 | 0.88743 | 0.00000 | 314396.1 | 111878.6 | 100632.1 | S |
| 22.183 | 0.4187 | 0.0000 | 89.471 | 0.88665 | 0.00000 | 314408.8 | 111905.2 | 100632.1 | S |
| 22.192 | 0.4091 | 0.0000 | 89.470 | 0.88587 | 0.00000 | 314421.2 | 111931.8 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario $1::$ pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 /}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{fi}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 22.200 | 0.4008 | 0.0000 | 89.470 | 0.88510 | 0.00000 | 314433.4 | 111958.4 | 100632.1 | S |
| 22.208 | 0.3934 | 0.0000 | 89.469 | 0.88433 | 0.00000 | 314445.3 | 111984.9 | 100632.1 | S |
| 22.217 | 0.3869 | 0.0000 | 89.469 | 0.88357 | 0.00000 | 314457.0 | \$12011.5 | 100632.1 | S |
| 22.225 | 0.3812 | 0.0000 | 89.468 | 0.88282 | 0.00000 | 314468.5 | 112038.0 | 100632.1 | S |
| 22.233 | 0.3761 | 0.0000 | 89.468 | 0.88208 | 0.00000 | 314479.9 | 112064.4 | 100632.1 | S |
| 22.242 | 0.3715 | 0.0000 | 89.467 | 0.88135 | 0.00000 | 314491.1 | 112090.9 | 100632.1 | S |
| 22.250 | 0.3675 | 0.0000 | 89.467 | 0.88062 | 0.00000 | 314502.2 | 112117.3 | 100632.1 | S |
| 22.258 | 0.3638 | 0.0000 | 89.466 | 0.87991 | 0.00000 | 314513.1 | 112143.7 | 100632.1 | S |
| 22.267 | 0.3607 | 0.0000 | 89.465 | 0.87920 | 0.00000 | 314524.0 | 112170.1 | 100632.1 | S |
| 22.275 | 0.3579 | 0.0000 | 89.465 | 0.87850 | 0.00000 | 314534.8 | 112196.5 | 100632.1 | S |
| 22.283 | 0.3554 | 0.0000 | 89.464 | 0.87781 | 0.00000 | 314545.5 | \$12222.8 | 100632.1 | S |
| 22.292 | 0.3532 | 0.0000 | 89.464 | 0.87712 | 0.00000 | 314556.1 | 112249.1 | 100632.1 | S |
| 22.300 | 0.3513 | 0.0000 | 89.463 | 0.87645 | 0.00000 | 314566.7 | 112275.4 | 100632.1 | S |
| 22.308 | 0.3495 | 0.0000 | 89.462 | 0.87578 | 0.00000 | 314577.2 | 112301.7 | 100632.1 | S |
| 22.317 | 0.3480 | 0.0000 | 89.462 | 0.87511 | 0.00000 | 314587.7 | 112328.0 | 100632.1 | S |
| 22.325 | 0.3467 | 0.0000 | 89.461 | 0.87446 | 0.00000 | 314598.1 | 112354.2 | 100632.1 | S |
| 22.333 | 0.3455 | 0.0000 | 89.461 | 0.87381 | 0.00000 | 314608.4 | 112380.5 | 100632.1 | S |
| 22.342 | 0.3445 | 0.0000 | 89.460 | 0.87316 | 0.00000 | 314618.8 | 112406.7 | 100632.1 | S |
| 22.350 | 0.3435 | 0.0000 | 89.460 | 0.87252 | 0.00000 | 314629.1 | 112432.8 | 100632.1 | S |
| 22.358 | 0.3427 | 0.0000 | 89.459 | 0.87189 | 0.00000 | 314639.4 | 112459.0 | 100632.1 | S |
| 22.367 | 0.3420 | 0.0000 | 89.458 | 0.87126 | 0.00000 | 314649.7 | 112485.2 | 100632.1 | S |
| 22.375 | 0.3413 | 0.0000 | 89.458 | 0.87064 | 0.00000 | 314659.9 | 112511.3 | 100632.1 | S |
| 22.383 | 0.3408 | 0.0000 | 89.457 | 0.87003 | 0.00000 | 314670.2 | 112537.4 | 100632.1 | S |
| 22.392 | 0.3402 | 0.0000 | 89.457 | 0.86941 | 0.00000 | 314680.4 | 112563.5 | 100632.1 | S |
| 22.400 | 0.3398 | 0.0000 | 89.456 | 0.86881 | 0.00000 | 314690.6 | 112589.6 | 100632.1 | S |
| 22.408 | 0.3394 | 0.0000 | 89.455 | 0.86820 | 0.00000 | 314700.8 | 112615.6 | 100632.1 | S |
| 22.417 | 0.3390 | 0.0000 | 89.455 | 0.86760 | 0.00000 | $3 ¢ 4710.9$ | 112641.6 | 100632.1 | S |
| 22.425 | 0.3387 | 0.0000 | 89.454 | 0.86701 | 0.00000 | 314721.1 | 112667.7 | 100632.1 | S |
| 22.433 | 0.3385 | 0.0000 | 89.454 | 0.86642 | 0.00000 | 314731.3 | 112693.7 | 100632.1 | S |
| 22.442 | 0.3382 | 0.0000 | 89.453 | 0.86583 | 0.00000 | 314741.4 | 112719.7 | 100632.1 | S |
| 22.450 | 0.3380 | 0.0000 | 89.453 | 0.86524 | 0.00000 | 314751.6 | 112745.6 | 100632.1 | S |
| 22.458 | 0.3378 | 0.0000 | 89.452 | 0.86466 | 0.00000 | 314761.7 | 112771.6 | 100632.1 | S |
| 22.467 | 0.3376 | 0.0000 | 89.451 | 0.86409 | 0.00000 | 314771.8 | 112797.5 | 100632.1 | S |
| 22.475 | 0.3375 | 0.0000 | 89.451 | 0.86351 | 0.00000 | 314782.0 | 112823.4 | 100632.1 | S |
| 22.483 | 0.3373 | 0.0000 | 89.450 | 0.86294 | 0.00000 | 314792.1 | 112849.3 | 100632.1 | S |
| 22.492 | 0.3372 | 0.0000 | 89.450 | 0.86237 | 0.00000 | 314802.2 | 112875.2 | 100632.1 | S |
| 22.500 | 0.3371 | 0.0000 | 89.449 | 0.86181 | 0.00000 | 314812.3 | 112901.1 | 100632.1 | S |
| 22.508 | 0.3370 | 0.0000 | 89.449 | 0.86124 | 0.00000 | 314822.4 | 112926.9 | 100632.1 | S |
| 22.517 | 0.3370 | 0.0000 | 89.448 | 0.86069 | 0.00000 | 314832.5 | 112952.7 | 100632.1 | S |
| 22.525 | 0.3375 | 0.0000 | 89.447 | 0.86013 | 0.00000 | 314842.7 | 112978.5 | 100632.1 | S |
| 22.533 | 0.3385 | 0.0000 | 89.447 | 0.85958 | 0.00000 | 314852.8 | 113004.3 | 100632.1 | S |
| 22.542 | 0.3402 | 0.0000 | 89.446 | 0.85904 | 0.00000 | 314863.0 | 113030.1 | 100632.1 | S |
| 22.550 | 0.3428 | 0.0000 | 89.446 | 0.85851 | 0.00000 | 314873.2 | 113055.9 | 100632.1 | S |
| 22.558 | 0.3465 | 0.0000 | 89.445 | 0.85799 | 0.00000 | 314883.6 | 113081.6 | 100632.1 | S |
| 22.567 | 0.3515 | 0.0000 | 89.445 | 0.85748 | 0.00000 | 314894.0 | 113107.4 | 100632.1 | S |
| 22.575 | 0.3580 | 0.0000 | 89.444 | 0.85700 | 0.00000 | 314904.7 | 113133.1 | 100632.1 | S |
| 22.583 | 0.3659 | 0.0000 | 89.443 | 0.85653 | 0.00000 | 314915.5 | 113158.8 | 100632.1 | S |
| 22.592 | 0.3749 | 0.0000 | 89.443 | 0.85608 | 0.00000 | 314926.6 | 113184.5 | 100632.1 | S |
| 22.600 | 0.3849 | 0.0000 | 89.442 | 0.85566 | 0.00000 | 314938.0 | 113210.1 | 100632.1 | S |
| 22.608 | 0.3954 | 0.0000 | 89.442 | 0.85526 | 0.00000 | 314949.8 | 113235.8 | 100632.1 | S |
| 22.617 | 0.4062 | 0.0000 | 89.441 | 0.85488 | 0.00000 | 314961.8 | 113261.5 | 100632.1 | S |
| 22.625 | 0.4170 | 0.0000 | 89.441 | 0.85452 | 0.00000 | 314974.1 | 113287.1 | 100632.1 | S |
| 22.633 | 0.4277 | 0.0000 | 89.440 | 0.85417 | 0.00000 | 314986.8 | 113312.7 | 100632.1 | S |
| 22.642 | 0.4380 | 0.0000 | 89.440 | 0.85384 | 0.00000 | 314999.8 | 113338.4 | 100632.1 | S |
| 22.650 | 0.4478 | 0.0000 | 89.439 | 0.85353 | 0.00000 | 315013.1 | 113364.0 | 100632.1 | S |
| 22.658 | 0.4570 | 0.0000 | 89.439 | 0.85322 | 0.00000 | 315026.6 | 113389.6 | 100632.1 | S |
| 22.667 | 0.4655 | 0.0000 | 89.439 | 0.85292 | 0.00000 | 315040.5 | 113415.2 | 100632.1 | S |
| 22.675 | 0.4733 | 0.0000 | 89.438 | 0.85262 | 0.00000 | 315054.6 | 113440.7 | 100632.1 | S |
| 22.683 | 0.4801 | 0.0000 | 89.438 | 0.85233 | 0.00000 | 315068.8 | 113466.3 | 100632.1 | S |
| 22.692 | 0.4860 | 0.0000 | 89.437 | 0.85204 | 0.00000 | 315083.3 | 113491.9 | 100632.1 | S |
| 22.700 | 0.4911 | 0.0000 | 89.437 | 0.85175 | 0.00000 | 315098.0 | 113517.4 | 100632.1 | S |
| 22.708 | 0.4956 | 0.0000 | 89.437 | 0.85145 | 0.00000 | 315112.8 | 113543.0 | 100632.1 | S |
| 22.717 | 0.4996 | 0.0000 | 89.436 | 0.85116 | 0.00000 | 315127.7 | 113568.5 | 100632.1 | S |
| 22.725 | 0.5031 | 0.0000 | 89.436 | 0.85086 | 0.00000 | 315142.8 | 113594.0 | 100632.1 | S |
| 22.733 | 0.5062 | 0.0000 | 89.435 | 0.85055 | 0.00000 | 315157.9 | 113619.6 | 100632.1 | S |
| 22.742 | 0.5090 | 0.0000 | 89.435 | 0.85025 | 0.00000 | 315173.1 | 113645.1 | 100632.1 | S |
| 22.750 | 0.5115 | 0.0000 | 89.435 | 0.84993 | 0.00000 | 315188.4 | 113670.6 | 100632.1 | S |
| 22.758 | 0.5137 | 0.0000 | 89.434 | 0.84962 | 0.00000 | 315203.8 | 113696.1 | 100632.1 | S |
| 22.767 | 0.5156 | 0.0000 | 89.434 | 0.84930 | 0.00000 | 315219.3 | 113721.6 | 100632.1 | S |
| 22.775 | 0.5173 | 0.0000 | 89.433 | 0.84898 | 0.00000 | 315234.8 | 113747.0 | 100632.1 | S |
| 22.783 | 0.5188 | 0.0000 | 89.433 | 0.84866 | 0.00000 | 315250.3 | 113772.5 | 100632.1 | S |
| 22.792 | 0.5202 | 0.0000 | 89.433 | 0.84833 | 0.00000 | 315265.9 | 113798.0 | 100632.1 | S |
| 22.800 | 0.5214 | 0.0000 | 89.432 | 0.84800 | 0.00000 | 315281.5 | 113823.4 | 100632.1 | S |
| 22.808 | 0.5224 | 0.0000 | 89.432 | 0.84767 | 0.00000 | 315297.2 | 113848.8 | 100632.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/ overflow

| Ełapsed Time (hours) | Inflow Rate ( $\mathrm{fl}^{3 / 3}$ ) | Outside Recharge (tV/day) | Stage Elevation (ft datum) | Infiltration Rate (f13/s) | Overflow Discharge $\left(\mathrm{fl}^{3} / \mathrm{s}\right)$ | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 22.817 | 0.5233 | 0.0000 | 89.432 | 0.84733 | 0.00000 | 315312.8 | 113874.3 | 100632.1 | S |
| 22.825 | 0.5242 | 0.0000 | 89.431 | 0.84700 | 0.00000 | 315328.6 | 113899.7 | 100632.1 | S |
| 22.833 | 0.5249 | 0.0000 | 89.431 | 0.84665 | 0.00000 | 315344.3 | 113925.1 | 100632.1 | S |
| 22.842 | 0.5255 | 0.0000 | 89.431 | 0.84631 | 0.00000 | 315360.1 | 113950.5 | 100632.1 | S |
| 22.850 | 0.5261 | 0.0000 | 89.430 | 0.84597 | 0.00000 | 315375.8 | 113975.9 | 100632.1 | S |
| 22.858 | 0.5266 | 0.0000 | 89.430 | 0.84562 | 0.00000 | 315391.6 | 114001.2 | 100632.1 | S |
| 22.867 | 0.5270 | 0.0000 | 89.430 | 0.84527 | 0.00000 | 315407.4 | 114026.6 | 100632.1 | S |
| 22.875 | 0.5274 | 0.0000 | 89.429 | 0.84492 | 0.00000 | 315423.3 | 114052.0 | 100632.1 | S |
| 22.883 | 0.5278 | 0.0000 | 89.429 | 0.84457 | 0.00000 | 315439.1 | 114077.3 | 100632.1 | S |
| 22.892 | 0.5281 | 0.0000 | 89.429 | 0.84421 | 0.00000 | 315454.9 | 114102.6 | 100632.1 | S |
| 22.900 | 0.5284 | 0.0000 | 89.428 | 0.84386 | 0.00000 | 315470.8 | 114127.9 | 100632.1 | S |
| 22.908 | 0.5286 | 0.0000 | 89.428 | 0.84350 | 0.00000 | 315486.6 | 114153.3 | 100632.1 | S |
| 22.917 | 0.5288 | 0.0000 | 89.427 | 0.84314 | 0.00000 | 315502.5 | 114178.6 | 100632.1 | S |
| 22.925 | 0.5290 | 0.0000 | 89.427 | 0.84278 | 0.00000 | 315518.3 | 114203.8 | 100632.1 | S |
| 22.933 | 0.5292 | 0.0000 | 89.427 | 0.84242 | 0.00000 | 315534.2 | 114229.1 | 100632.1 | S |
| 22.942 | 0.5293 | 0.0000 | 89.426 | 0.84206 | 0.00000 | 315550.1 | 114254.4 | 100632.1 | S |
| 22.950 | 0.5295 | 0.0000 | 89.426 | 0.84170 | 0.00000 | 315566.0 | 114279.6 | 100632.1 | S |
| 22.958 | 0.5296 | 0.0000 | 89.426 | 0.84134 | 0.00000 | 315581.8 | 114304.9 | 100632.1 | S |
| 22.967 | 0.5297 | 0.0000 | 89.425 | 0.84097 | 0.00000 | 315597.8 | 114330.1 | 100632.1 | S |
| 22.975 | 0.5298 | 0.0000 | 89.425 | 0.84061 | 0.00000 | 315613.6 | 114355.4 | 100632.1 | S |
| 22.983 | 0.5299 | 0.0000 | 89.425 | 0.84025 | 0.00000 | 315629.5 | 114380.6 | 100632.1 | S |
| 22.992 | 0.5299 | 0.0000 | 89.424 | 0.83988 | 0.00000 | 315645.4 | 114405.8 | 100632.1 | S |
| 23.000 | 0.5296 | 0.0000 | 89.424 | 0.83951 | 0.00000 | 315661.3 | 114431.0 | 100632.1 | S |
| 23.008 | 0.5283 | 0.0000 | 89.424 | 0.83914 | 0.00000 | 315677.2 | 114456.1 | 100632.1 | S |
| 23.017 | 0.5260 | 0.0000 | 89.423 | 0.83876 | 0.00000 | 315693.0 | 114481.3 | 100632.1 | S |
| 23.025 | 0.5222 | 0.0000 | 89.423 | 0.83837 | 0.00000 | 315708.7 | 114506.5 | 100632.1 | S |
| 23.033 | 0.5166 | 0.0000 | 89.423 | 0.83796 | 0.00000 | 315724.3 | 114531.6 | 100632.1 | S |
| 23.042 | 0.5088 | 0.0000 | 89.422 | 0.83754 | 0.00000 | 315739.7 | 114556.7 | 100632.1 | S |
| 23.050 | 0.4984 | 0.0000 | 89.422 | 0.83708 | 0.00000 | 315754.8 | 114581.9 | 100632.1 | S |
| 23.058 | 0.4851 | 0.0000 | 89.422 | 0.83660 | 0.00000 | 315769.5 | 114607.0 | 100632.1 | S |
| 23.067 | 0.4694 | 0.0000 | 89.421 | 0.83608 | 0.00000 | 315783.9 | 114632.1 | 100632.1 | S |
| 23.075 | 0.4517 | 0.0000 | 89.421 | 0.83552 | 0.00000 | 315797.7 | 114657.1 | 100632.1 | S |
| 23.083 | 0.4326 | 0.0000 | 89.420 | 0.83492 | 0.00000 | 315810.9 | 114682.2 | 100632.1 | S |
| 23.092 | 0.4125 | 0.0000 | 89.420 | 0.83429 | 0.00000 | 315823.6 | 114707.2 | 100632.1 | S |
| 23.100 | 0.3922 | 0.0000 | 89.419 | 0.83362 | 0.00000 | 315835.7 | 114732.2 | 100632.1 | S |
| 23.108 | 0.3720 | 0.0000 | 89.419 | 0.83292 | 0.00000 | 315847.2 | 114757.2 | 100632.1 | S |
| 23.117 | 0.3522 | 0.0000 | 89.418 | 0.83220 | 0.00000 | 315858.0 | 114782.2 | 100632.1 | S |
| 23.125 | 0.3333 | 0.0000 | 89.418 | 0.83145 | 0.00000 | 315868.3 | 114807.2 | 100632.1 | S |
| 23.133 | 0.3154 | 0.0000 | 89.417 | 0.83069 | 0.00000 | 315878.0 | 114832.1 | 100632.1 | S |
| 23.142 | 0.2987 | 0.0000 | 89.417 | 0.82991 | 0.00000 | 315887.3 | 114857.0 | 100632.1 | S |
| 23.150 | 0.2833 | 0.0000 | 89.416 | 0.82912 | 0.00000 | 315896.0 | 114881.9 | 100632.1 | S |
| 23.158 | 0.2695 | 0.0000 | 89.415 | 0.82833 | 0.00000 | 315904.3 | 114906.8 | 100632.1 | S |
| 23.167 | 0.2574 | 0.0000 | 89.415 | 0.82753 | 0.00000 | 315912.2 | 114931.6 | 100632.1 | S |
| 23.175 | 0.2470 | 0.0000 | 89.414 | 0.82674 | 0.00000 | 315919.8 | 114956.4 | 100632.1 | S |
| 23.183 | 0.2380 | 0.0000 | 89.414 | 0.82596 | 0.00000 | 315927.0 | 114981.2 | 100632.1 | S |
| 23.192 | 0.2300 | 0.0000 | 89.413 | 0.82518 | 0.00000 | 315934.0 | 115006.0 | 100632.1 | S |
| 23.200 | 0.2230 | 0.0000 | 89.412 | 0.82442 | 0.00000 | 315940.8 | 115030.7 | 100632.1 | S |
| 23.208 | 0.2167 | 0.0000 | 89.412 | 0.82366 | 0.00000 | 315947.4 | 115055.4 | 100632.1 | S |
| 23.217 | 0.2112 | 0.0000 | 89.411 | 0.82291 | 0.00000 | 315953.8 | 115080.1 | 100632.1 | S |
| 23.225 | 0.2062 | 0.0000 | 89.410 | 0.82217 | 0.00000 | 315960.1 | 115104.8 | 100632.1 | S |
| 23.233 | 0.2018 | 0.0000 | 89.409 | 0.82144 | 0.00000 | 315966.2 | 115129.5 | 100632.1 | S |
| 23.242 | 0.1979 | 0.0000 | 89.409 | 0.82072 | 0.00000 | 315972.2 | 115154.1 | 100632.1 | S |
| 23.250 | 0.1944 | 0.0000 | 89.408 | 0.82000 | 0.00000 | 315978.1 | 115178.7 | 100632.1 | S |
| 23.258 | 0.1914 | 0.0000 | 89.407 | 0.81930 | 0.00000 | 315983.9 | 115203.3 | 100632.1 | S |
| 23.267 | 0.1887 | 0.0000 | 89.407 | 0.81861 | 0.00000 | 315989.6 | \$15227.9 | 100632.1 | S |
| 23.275 | 0.1864 | 0.0000 | 89.406 | 0.81792 | 0.00000 | 315995.2 | 115252.4 | 100632.1 | S |
| 23.283 | 0.1842 | 0.0000 | 89.405 | 0.81724 | 0.00000 | 316000.8 | 115276.9 | 100632.1 | S |
| 23.292 | 0.1824 | 0.0000 | 89.405 | 0.81657 | 0.00000 | 316006.3 | 115301.4 | 100632.1 | S |
| 23.300 | 0.1807 | 0.0000 | 89.404 | 0.81591 | 0.00000 | 316011.7 | 115325.9 | 100632.1 | S |
| 23.308 | 0.1793 | 0.0000 | 89.403 | 0.81526 | 0.00000 | 316017.1 | 115350.4 | 100632.1 | S |
| 23.317 | 0.1780 | 0.0000 | 89.402 | 0.81461 | 0.00000 | 316022.5 | 115374.9 | 100632.1 | S |
| 23.325 | 0.1768 | 0.0000 | 89.402 | 0.81397 | 0.00000 | 316027.8 | 115399.3 | 100632.1 | S |
| 23.333 | 0.1758 | 0.0000 | 89.401 | 0.81333 | 0.00000 | 316033.1 | 115423.7 | 100632.1 | S |
| 23.342 | 0.1749 | 0.0000 | 89.400 | 0.81270 | 0.00000 | 316038.3 | 115448.1 | 100832.1 | S |
| 23.350 | 0.1742 | 0.0000 | 89.400 | 0.81208 | 0.00000 | 316043.6 | 115472.5 | 100632.1 | S |
| 23.358 | 0.1735 | 0.0000 | 89.399 | 0.81147 | 0.00000 | 316048.8 | 115496.8 | 100632.1 | S |
| 23.367 | 0.1728 | 0.0000 | 89.398 | 0.81085 | 0.00000 | 316054.0 | 115521.1 | 100632.1 | S |
| 23.375 | 0.1723 | 0.0000 | 89.398 | 0.81025 | 0.00000 | 316059.2 | 115545.5 | 100632.1 | S |
| 23.383 | 0.1718 | 0.0000 | 89.397 | 0.80965 | 0.00000 | 316064.3 | 115569.8 | 100632.1 | S |
| 23.392 | 0.1714 | 0.0000 | 89.396 | 0.80905 | 0.00000 | 316069.5 | 115594.0 | 100632.1 | S |
| 23.400 | 0.1710 | 0.0000 | 89.395 | 0.80846 | 0.00000 | 316074.6 | 115618.3 | 100632.1 | S |
| 23.408 | 0.1706 | 0.0000 | 89.395 | 0.80787 | 0.00000 | 316079.8 | 115642.5 | 100632.1 | S |
| 23.417 | 0.1703 | 0.0000 | 89.394 | 0.80729 | 0.00000 | 316084.9 | 115666.8 | 100632.1 | S |
| 23.425 | 0.1701 | 0.0000 | 89.393 | 0.80671 | 0.00000 | 316090.0 | 115691.0 | 100632.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 23.433 | 0.1698 | 0.0000 | 89.393 | 0.80614 | 0.00000 | 316095.1 | 115715.2 | 100632.1 | S |
| 23.442 | 0.1696 | 0.0000 | 89.392 | 0.80557 | 0.00000 | 316100.2 | 115739.4 | 100632.1 | S |
| 23.450 | 0.1694 | 0.0000 | 89.391 | 0.80500 | 0.00000 | 316105.3 | 115763.5 | 100632.1 | S |
| 23.458 | 0.1693 | 0.0000 | 89.390 | 0.80444 | 0.00000 | 316110.3 | 115787.6 | 100632.1 | S |
| 23.467 | 0.1691 | 0.0000 | 89.390 | 0.80388 | 0.00000 | 316115.4 | 115811.8 | 100632.1 | S |
| 23.475 | 0.1690 | 0.0000 | 89.389 | 0.80332 | 0.00000 | 316120.5 | 115835.9 | 100632.1 | S |
| 23.483 | 0.1688 | 0.0000 | 89.388 | 0.80276 | 0.00000 | 316125.5 | 115860.0 | 100632.1 | S |
| 23.492 | 0.1687 | 0.0000 | 89.388 | 0.80221 | 0.00000 | 316130.6 | 115884.0 | 100632.1 | S |
| 23.500 | 0.1687 | 0.0000 | 89.387 | 0.80166 | 0.00000 | 316135.7 | 115908.1 | 100632.1 | S |
| 23.508 | 0.1686 | 0.0000 | 89.386 | 0.80112 | 0.00000 | 316140.7 | 115932.1 | 100632.1 | S |
| 23.517 | 0.1685 | 0.0000 | 89.386 | 0.80058 | 0.00000 | 316145.8 | 115956.2 | 100632.1 | S |
| 23.525 | 0.1685 | 0.0000 | 89.385 | 0.80004 | 0.00000 | 316150.8 | 115980.2 | 100632.1 | S |
| 23.533 | 0.1685 | 0.0000 | 89.384 | 0.79950 | 0.00000 | 316155.9 | 116004.2 | 100632.1 | S |
| 23.542 | 0.1684 | 0.0000 | 89.383 | 0.79897 | 0.00000 | 316160.9 | 116028.1 | 100632.1 | S |
| 23.550 | 0.1684 | 0.0000 | 89.383 | 0.79843 | 0.00000 | 316166.0 | 116052.1 | 100632.1 | S |
| 23.558 | 0.1684 | 0.0000 | 89.382 | 0.79791 | 0.00000 | 316171.1 | 116076.1 | 100632.1 | S |
| 23.567 | 0.1684 | 0.0000 | 89.381 | 0.79738 | 0.00000 | 316176.1 | 116100.0 | 100632.1 | S |
| 23.575 | 0.1684 | 0.0000 | 89.381 | 0.79685 | 0.00000 | 316181.2 | 116123.9 | 100632.1 | S |
| 23.583 | 0.1684 | 0.0000 | 89.380 | 0.79633 | 0.00000 | 316186.2 | 116147.8 | 100632.1 | S |
| 23.592 | 0.1684 | 0.0000 | 89.379 | 0.79581 | 0.00000 | 316191.3 | 116171.7 | 100632.1 | S |
| 23.600 | 0.1684 | 0.0000 | 89.379 | 0.79529 | 0.00000 | 316196.3 | 116195.5 | 100632.1 | S |
| 23.608 | 0.1684 | 0.0000 | 89.378 | 0.79478 | 0.00000 | 316201.4 | 116219.4 | 100632.1 | S |
| 23.617 | 0.1684 | 0.0000 | 89.377 | 0.79426 | 0.00000 | 316206.4 | 116243.2 | 100632.1 | S |
| 23.625 | 0.1684 | 0.0000 | 89.376 | 0.79375 | 0.00000 | 316211.5 | 116267.1 | 100632.1 | S |
| 23.633 | 0.1684 | 0.0000 | 89.376 | 0.79324 | 0.00000 | 316216.5 | 116290.9 | 100632.1 | S |
| 23.642 | 0.1683 | 0.0000 | 89.375 | 0.79273 | 0.00000 | 316221.6 | 116314.6 | 100632.1 | S |
| 23.650 | 0.1683 | 0.0000 | 89.374 | 0.79222 | 0.00000 | 316226.6 | 116338.4 | 100632.1 | S |
| 23.658 | 0.1683 | 0.0000 | 89.374 | 0.79172 | 0.00000 | 316231.7 | 116362.2 | 100632.1 | S |
| 23.667 | 0.1683 | 0.0000 | 89.373 | 0.79122 | 0.00000 | 316236.7 | 116385.9 | 100632.1 | S |
| 23.675 | 0.1683 | 0.0000 | 89.372 | 0.79072 | 0.00000 | 316241.8 | 116409.7 | 100632.1 | S |
| 23.683 | 0.1683 | 0.0000 | 89.372 | 0.79022 | 0.00000 | 316246.8 | 116433.4 | 100632.1 | S |
| 23.692 | 0.1683 | 0.0000 | 89.371 | 0.78972 | 0.00000 | 316251.9 | 116457.1 | 100632.1 | S |
| 23.700 | 0.1683 | 0.0000 | 89.370 | 0.78922 | 0.00000 | 316256.9 | 116480.8 | 100632.1 | S |
| 23.708 | 0.1683 | 0.0000 | 89.369 | 0.78873 | 0.00000 | 316262.0 | 116504.4 | 100632.1 | S |
| 23.717 | 0.1683 | 0.0000 | 89.369 | 0.78823 | 0.00000 | 316267.0 | 116528.1 | 100632.1 | S |
| 23.725 | 0.1683 | 0.0000 | 89.368 | 0.78774 | 0.00000 | 316272.1 | 116551.7 | 100632.1 | S |
| 23.733 | 0.1683 | 0.0000 | 89.367 | 0.78725 | 0.00000 | 316277.1 | 116575.3 | 100632.1 | S |
| 23.742 | 0.1683 | 0.0000 | 89.367 | 0.78676 | 0.00000 | 316282.2 | 116598.9 | 100632.1 | S |
| 23.750 | 0.1683 | 0.0000 | 89,366 | 0.78627 | 0.00000 | 316287.2 | 116622.5 | 100632.1 | S |
| 23.758 | 0.1683 | 0.0000 | 89.365 | 0.78579 | 0.00000 | 316292.3 | 116646.1 | 100632.1 | S |
| 23.767 | 0.1683 | 0.0000 | 89.365 | 0.78530 | 0.00000 | 316297.3 | 116669.7 | 100632.1 | S |
| 23.775 | 0.1683 | 0.0000 | 89.364 | 0.78482 | 0.00000 | 316302.3 | 116693.2 | 100632.1 | S |
| 23.783 | 0.1683 | 0.0000 | 89.363 | 0.78434 | 0.00000 | 316307.4 | 116716.8 | 100632.1 | S |
| 23.792 | 0.1683 | 0.0000 | 89.363 | 0.78386 | 0.00000 | 316312.4 | 116740.3 | 100632.1 | S |
| 23.800 | 0.1683 | 0.0000 | 89.362 | 0.78338 | 0.00000 | 316317.5 | 116763.8 | 100632.1 | S |
| 23.808 | 0.1683 | 0.0000 | 89.361 | 0.78290 | 0.00000 | 316322.5 | 116787.3 | 100632.1 | S |
| 23.817 | 0.1683 | 0.0000 | 89.361 | 0.78243 | 0.00000 | 316327.6 | 116810.8 | 100632.1 | S |
| 23.825 | 0.1683 | 0.0000 | 89.360 | 0.78195 | 0.00000 | 316332.7 | 116834.3 | 100632.1 | S |
| 23.833 | 0.1683 | 0.0000 | 89.359 | 0.78148 | 0.00000 | 316337.7 | 116857.7 | 100632.1 | S |
| 23.842 | 0.1683 | 0.0000 | 89.358 | 0.78100 | 0.00000 | 316342.8 | 116881.1 | 100632.1 | S |
| 23.850 | 0.1683 | 0.0000 | 89.358 | 0.78053 | 0.00000 | 316347.8 | 116904.6 | 100632.1 | S |
| 23.858 | 0.1683 | 0.0000 | 89.357 | 0.78006 | 0.00000 | 316352.8 | 116928.0 | 100632.1 | S |
| 23.867 | 0.1683 | 0.0000 | 89.356 | 0.77959 | 0.00000 | 316357.9 | 116951.4 | 100632.1 | S |
| 23.875 | 0.1683 | 0.0000 | 89.356 | 0.77913 | 0.00000 | 316362.9 | 116974.8 | 100632.1 | S |
| 23.883 | 0.1683 | 0.0000 | 89.355 | 0.77866 | 0.00000 | 316368.0 | 116998.1 | 100632.1 | S |
| 23.892 | 0.1683 | 0.0000 | 89.354 | 0.77819 | 0.00000 | 316373.0 | 11702 . 5 | 100632.1 | S |
| 23.900 | 0.1683 | 0.0000 | 89.354 | 0.77773 | 0.00000 | 316378.1 | 117044.8 | 100632.1 | S |
| 23.908 | 0.1683 | 0.0000 | 89.353 | 0.77727 | 0.00000 | 316383.1 | 117068.1 | 100632.1 | S |
| 23.917 | 0.1683 | 0.0000 | 89.352 | 0.77681 | 0.00000 | 316388.2 | 117091.4 | 100632.1 | S |
| 23.925 | 0.1683 | 0.0000 | 89.352 | 0.77634 | 0.00000 | 316393.2 | 117114.7 | 100632.1 | S |
| 23.933 | 0.1683 | 0.0000 | 89.351 | 0.77589 | 0.00000 | 316398.3 | 117138.0 | 100632.1 | S |
| 23.942 | 0.1683 | 0.0000 | 89.350 | 0.77543 | 0.00000 | 316403.3 | 117161.3 | 100632.1 | S |
| 23.950 | 0.1683 | 0.0000 | 89.350 | 0.77497 | 0.00000 | 316408.4 | 117184.5 | 100632.1 | S |
| 23.958 | 0.1683 | 0.0000 | 89.349 | 0.77451 | 0.00000 | 316413.4 | 117207.8 | 100632.1 | S |
| 23.967 | 0.1683 | 0.0000 | 89.348 | 0.77406 | 0.00000 | 316418.5 | 117231.0 | 100632.1 | S |
| 23.975 | 0.1683 | 0.0000 | 89.348 | 0.77360 | 0.00000 | 316423.5 | 117254.2 | 100632.1 | S |
| 23.983 | 0.1683 | 0.0000 | 89.347 | 0.77315 | 0.00000 | 316428.6 | 117277.4 | 100632.1 | S |
| 23.992 | 0.1683 | 0.0000 | 89.346 | 0.77270 | 0.00000 | 316433.6 | 117300.6 | 100632.1 | S |
| 24.000 | 0.1683 | 0.0000 | 89.346 | 0.77225 | 0.00000 | 316438.7 | 117323.8 | 100632.1 | S |
| 24.008 | 0.1681 | 0.0000 | 89.345 | 0.77179 | 0.00000 | 316443.7 | 117347.0 | 100632.1 | S |
| 24.017 | 0.1674 | 0.0000 | 89.344 | 0.77134 | 0.00000 | 316448.7 | 117370.1 | 100632.1 | S |
| 24.025 | 0.1663 | 0.0000 | 89.344 | 0.77089 | 0.00000 | 316453.8 | 117393.2 | 100632.1 | S |
| 24.033 | 0.1645 | 0.0000 | 89.343 | 0.77043 | 0.00000 | 316458.7 | 117416.4 | 100632.1 | S |
| 24.042 | 0.1619 | 0.0000 | 89.342 | 0.76996 | 0.00000 | 316463.6 | 117439.5 | 100632.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | $\begin{aligned} & \text { Flow } \\ & \text { Type } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 24.050 | 0.1582 | 0.0000 | 89.342 | 0.76949 | 0.00000 | 316468.4 | 117462.6 | 100632.1 | S |
| 24.058 | 0.1533 | 0.0000 | 89.341 | 0.76901 | 0.00000 | 316473.1 | 117485.6 | 100632.1 | S |
| 24.067 | 0.1470 | 0.0000 | 89.340 | 0.76851 | 0.00000 | 316477.6 | 117508.7 | 100632.1 | S |
| 24.075 | 0.1397 | 0.0000 | 89.339 | 0.76799 | 0.00000 | 316481.9 | 117531.7 | 100632.1 | S |
| 24.083 | 0.1314 | 0.0000 | 89.339 | 0.76746 | 0.00000 | 316485.9 | 117554.8 | 100632.1 | S |
| 24.092 | 0.1225 | 0.0000 | 89.338 | 0.76691 | 0.00000 | 316489.8 | 117577.8 | 100632.1 | S |
| 24.100 | 0.1131 | 0.0000 | 89.337 | 0.76635 | 0.00000 | 316493.3 | 117600.8 | 100632.1 | S |
| 24.108 | 0.1037 | 0.0000 | 89.337 | 0.76577 | 0.00000 | 316496.5 | 117623.8 | 100632.1 | S |
| 24.117 | 0.0943 | 0.0000 | 89.336 | 0.76518 | 0.00000 | 316499.5 | 117646.7 | 100632.1 | S |
| 24.125 | 0.0851 | 0.0000 | 89.335 | 0.76457 | 0.00000 | 316502.2 | 117669.7 | 100632.1 | S |
| 24.133 | 0.0763 | 0.0000 | 89.334 | 0.76396 | 0.00000 | 316504.6 | 117692.6 | 100632.1 | S |
| 24.142 | 0.0680 | 0.0000 | 89.334 | 0.76334 | 0.00000 | 316506.8 | 117715.5 | 100632.1 | S |
| 24.150 | 0.0603 | 0.0000 | 89.333 | 0.76271 | 0.00000 | 316508.7 | 117738.4 | 100632.1 | S |
| 24.158 | 0.0532 | 0.0000 | 89.332 | 0.76208 | 0.00000 | 316510.4 | 117761.3 | 100632.1 | S |
| 24.167 | 0.0467 | 0.0000 | 89.331 | 0.76145 | 0.00000 | 316511.9 | 117784.1 | 100632.1 | S |
| 24.175 | 0.0412 | 0.0000 | 89.330 | 0.76082 | 0.00000 | 316513.2 | 117807.0 | 100632.1 | S |
| 24.183 | 0.0363 | 0.0000 | 89.330 | 0.76019 | 0.00000 | 316514.4 | 117829.8 | 100632.1 | S |
| 24.192 | 0.0322 | 0.0000 | 89.329 | 0.75957 | 0.00000 | 316515.4 | 117852.6 | 100632.1 | S |
| 24.200 | 0.0285 | 0.0000 | 89.328 | 0.75895 | 0.00000 | 316516.3 | 117875.4 | 100632.1 | S |
| 24.208 | 0.0252 | 0.0000 | 89.327 | 0.75833 | 0.00000 | 316517.1 | 117898.1 | 100632.1 | S |
| 24.217 | 0.0223 | 0.0000 | 89.326 | 0.75772 | 0.00000 | 316517.8 | 117920.9 | 100632.1 | S |
| 24.225 | 0.0198 | 0.0000 | 89.325 | 0.75712 | 0.00000 | 316518.5 | 117943.6 | 100632.1 | S |
| 24.233 | 0.0175 | 0.0000 | 89.325 | 0.75652 | 0.00000 | 316519.0 | 117966.3 | 100632.1 | S |
| 24.242 | 0.0154 | 0.0000 | 89.324 | 0.75592 | 0.00000 | 316519.5 | 117989.0 | 100632.1 | S |
| 24.250 | 0.0136 | 0.0000 | 89.323 | 0.75533 | 0.00000 | 316520.0 | 118011.6 | 100632.1 | S |
| 24.258 | 0.0120 | 0.0000 | 89.322 | 0.75475 | 0.00000 | 316520.3 | 118034.3 | 100632.1 | S |
| 24.267 | 0.0106 | 0.0000 | 89.321 | 0.75417 | 0.00000 | 316520.7 | 118056.9 | 100632.1 | S |
| 24.275 | 0.0094 | 0.0000 | 89.320 | 0.75359 | 0.00000 | 316521.0 | 118079.5 | 100632.1 | S |
| 24.283 | 0.0083 | 0.0000 | 89.320 | 0.75302 | 0.00000 | 316521.3 | 118102.1 | 100632.1 | S |
| 24.292 | 0.0073 | 0.0000 | 89.319 | 0.75246 | 0.00000 | 316521.5 | 118124.7 | 100632.1 | S |
| 24.300 | 0.0064 | 0.0000 | 89.318 | 0.75189 | 0.00000 | 316521.7 | 118147.3 | 100632.1 | S |
| 24.308 | 0.0057 | 0.0000 | 89.317 | 0.75134 | 0.00000 | 316521.9 | 118169.8 | 100632.1 | S |
| 24.317 | 0.0050 | 0.0000 | 89.316 | 0.75078 | 0.00000 | 316522.0 | 118192.4 | 100632.1 | S |
| 24.325 | 0.0044 | 0.0000 | 89.315 | 0.75023 | 0.00000 | 316522.2 | 118214.9 | 100632.1 | S |
| 24.333 | 0.0039 | 0.0000 | 89.315 | 0.74969 | 0.00000 | 316522.3 | 118237.4 | 100632.1 | S |
| 24.342 | 0.0034 | 0.0000 | 89.314 | 0.74914 | 0.00000 | 316522.4 | 118259.9 | 100632.1 | S |
| 24.350 | 0.0030 | 0.0000 | 89.313 | 0.74861 | 0.00000 | 316522.5 | 118282.3 | 100632.1 | S |
| 24.358 | 0.0026 | 0.0000 | 89.312 | 0.74807 | 0.00000 | 316522.6 | 118304.8 | 100632.1 | S |
| 24.367 | 0.0023 | 0.0000 | 89.311 | 0.74754 | 0.00000 | 316522.7 | 118327.2 | 100632.1 | S |
| 24.375 | 0.0020 | 0.0000 | 89.310 | 0.74701 | 0.00000 | 316522.7 | 118349.6 | 100632.1 | S |
| 24.383 | 0.0018 | 0.0000 | 89.310 | 0.74648 | 0.00000 | 316522.8 | 118372.0 | 100632.1 | S |
| 24.392 | 0.0015 | 0.0000 | 89.309 | 0.74596 | 0.00000 | 316522.8 | 118394.4 | 100632.1 | S |
| 24.400 | 0.0013 | 0.0000 | 89.308 | 0.74544 | 0.00000 | 316522.9 | 118416.8 | 100632.1 | S |
| 24.408 | 0.0012 | 0.0000 | 89.307 | 0.74492 | 0.00000 | 316522.9 | 118439.1 | 100632.1 | S |
| 24.417 | 0.0010 | 0.0000 | 89.306 | 0.74441 | 0.00000 | 316522.9 | 118461.5 | 100632.1 | S |
| 24.425 | 0.0009 | 0.0000 | 89.305 | 0.74390 | 0.00000 | 316523.0 | 118483.8 | 100632.1 | S |
| 24.433 | 0.0008 | 0.0000 | 89.305 | 0.74339 | 0.00000 | 316523.0 | 118506.1 | 100632.1 | S |
| 24.442 | 0.0006 | 0.0000 | 89.304 | 0.74288 | 0.00000 | 316523.0 | 118528.4 | 100632.1 | S |
| 24.450 | 0.0005 | 0.0000 | 89.303 | 0.74237 | 0.00000 | 316523.0 | 118550.7 | 100632.1 | S |
| 24.458 | 0.0005 | 0.0000 | 89.302 | 0.74187 | 0.00000 | 316523.1 | 118573.0 | 100632.1 | S |
| 24.467 | 0.0004 | 0.0000 | 89.301 | 0.74137 | 0.00000 | 316523.1 | 118595.2 | 100632.1 | S |
| 24.475 | 0.0003 | 0.0000 | 89.300 | 0.74087 | 0.00000 | 316523.1 | 118617.4 | 100632.1 | S |
| 24.483 | 0.0002 | 0.0000 | 89.300 | 0.74037 | 0.00000 | 316523.1 | 118639.7 | 100632.1 | S |
| 24.492 | 0.0002 | 0.0000 | 89.299 | 0.73988 | 0.00000 | 316523.1 | 118661.9 | 100632.1 | S |
| 24.500 | 0.0001 | 0.0000 | 89.298 | 0.73939 | 0.00000 | 316523.1 | 118684.1 | 100632.1 | S |
| 24.508 | 0.0001 | 0.0000 | 89.297 | 0.73890 | 0.00000 | 316523.1 | 118706.2 | 100632.1 | S |
| 24.517 | 0.0001 | 0.0000 | 89.296 | 0.73841 | 0.00000 | 316523.1 | 118728.4 | 100632.1 | S |
| 24.525 | 0.0000 | 0.0000 | 89.295 | 0.73792 | 0.00000 | 316523.1 | 118750.5 | 100632.1 | S |
| 24.533 | 0.0000 | 0.0000 | 89.295 | 0.73744 | 0.00000 | 316523.1 | 118772.7 | 100632.1 | S |
| 24.542 | 0.0000 | 0.0000 | 89.294 | 0.73695 | 0.00000 | 316523.1 | 118794.8 | 100632.1 | S |
| 24.550 | 0.0000 | 0.0000 | 89.293 | 0.73647 | 0.00000 | 316523.1 | 118816.9 | 100632.1 | S |
| 24.558 | 0.0000 | 0.0000 | 89.292 | 0.73599 | 0.00000 | 316523.1 | 118839.0 | 100632.1 | S |
| 24.567 | 0.0000 | 0.0000 | 89.291 | 0.73551 | 0.00000 | 316523.1 | 118861.0 | 100632.1 | S |
| 24.575 | 0.0000 | 0.0000 | 89.290 | 0.73503 | 0.00000 | 316523.1 | 118883.1 | 100632.1 | S |
| 24.583 | 0.0000 | 0.0000 | 89.290 | 0.73456 | 0.00000 | 316523.1 | 118905.1 | 100632.1 | S |
| 24.592 | 0.0000 | 0.0000 | 89.289 | 0.73409 | 0.00000 | 316523.1 | 118927.2 | 100632.1 | S |
| 24.600 | 0.0000 | 0.0000 | 89.288 | 0.73361 | 0.00000 | 316523.1 | 118949.2 | 100632.1 | S |
| 24.608 | 0.0000 | 0.0000 | 89.287 | 0.73314 | 0.00000 | 316523.1 | 118971.2 | 100632.1 | S |
| 24.617 | 0.0000 | 0.0000 | 89.286 | 0.73267 | 0.00000 | 316523.1 | 118993.2 | 100632.1 | S |
| 24.625 | 0.0000 | 0.0000 | 89.285 | 0.73220 | 0.00000 | 316523.1 | 119015.1 | 100632.1 | S |
| 24.633 | 0.0000 | 0.0000 | 89.285 | 0.73174 | 0.00000 | 316523.1 | 119037.1 | 100632.1 | S |
| 24.642 | 0.0000 | 0.0000 | 89.284 | 0.73127 | 0.00000 | 316523.1 | 119059.1 | 100632.1 | S |
| 24.650 | 0.0000 | 0.0000 | 89.283 | 0.73087 | 0.00000 | 316523.1 | 119081.0 | 100632.1 | S |
| 24.658 | 0.0000 | 0.0000 | 89.282 | 0.73034 | 0.00000 | 316523.1 | 119102.9 | 100632.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario $1::$ pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ff}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 24.667 | 0.0000 | 0.0000 | 89.281 | 0.72988 | 0.00000 | 316523.1 | 119124.8 | 100632.1 | S |
| 24.675 | 0.0000 | 0.0000 | 89.281 | 0.72942 | 0.00000 | 316523.1 | 119146.7 | 100632.1 | S |
| 24.683 | 0.0000 | 0.0000 | 89.280 | 0.72896 | 0.00000 | 316523.1 | 119168.6 | 100632.1 | S |
| 24.692 | 0.0000 | 0.0000 | 89.279 | 0.72851 | 0.00000 | 316523.1 | 119190.4 | 100632.1 | S |
| 24.700 | 0.0000 | 0.0000 | 89.278 | 0.72805 | 0.00000 | 316523.1 | 119212.3 | 100632.1 | S |
| 24.708 | 0.0000 | 0.0000 | 89.277 | 0.72759 | 0.00000 | 316523.1 | 119234.1 | 100632.1 | S |
| 24.717 | 0.0000 | 0.0000 | 89.276 | 0.72714 | 0.00000 | 316523.1 | 119255.9 | 100632.1 | S |
| 24.725 | 0.0000 | 0.0000 | 89.276 | 0.72669 | 0.00000 | 316523.1 | 119277.7 | 100632.1 | S |
| 24.733 | 0.0000 | 0.0000 | 89.275 | 0.72623 | 0.00000 | 316523.1 | 119299.5 | 100632.1 | S |
| 24.742 | 0.0000 | 0.0000 | 89.274 | 0.72578 | 0.00000 | 316523.1 | 119321.3 | 100632.1 | S |
| 24.750 | 0.0000 | 0.0000 | 89.273 | 0.72533 | 0.00000 | 316523.1 | 119343.1 | 100632.1 | 5 |
| 24.758 | 0.0000 | 0.0000 | 89.272 | 0.72488 | 0.00000 | 316523.1 | 119364.8 | 100632.1 | S |
| 24.767 | 0.0000 | 0.0000 | 89.272 | 0.72444 | 0.00000 | 316523.1 | 119386.6 | 100632.1 | 5 |
| 24.775 | 0.0000 | 0.0000 | 89.271 | 0.72399 | 0.00000 | 316523.1 | 119408.3 | 100632.1 | 5 |
| 24.783 | 0.0000 | 0.0000 | 89.270 | 0.72354 | 0.00000 | 316523.1 | 119430.0 | 100632.1 | S |
| 24.792 | 0.0000 | 0.0000 | 89.269 | 0.72310 | 0.00000 | 316523.1 | 119451.7 | 100632.1 | S |
| 24.800 | 0.0000 | 0.0000 | 89.268 | 0.72266 | 0.00000 | 316523.1 | 119473.4 | 100632.1 | 5 |
| 24.808 | 0.0000 | 0.0000 | 89.267 | 0.72221 | 0.00000 | 316523.1 | 119495.1 | 100632.1 | S |
| 24.817 | 0.0000 | 0.0000 | 89.267 | 0.72177 | 0.00000 | 316523.1 | 119516.7 | 100632.1 | S |
| 24.825 | 0.0000 | 0.0000 | 89.266 | 0.72133 | 0.00000 | 316523.1 | 119538.4 | 100632.1 | S |
| 24.833 | 0.0000 | 0.0000 | 89.265 | 0.72089 | 0.00000 | 316523.1 | 119560.0 | 100632.1 | S |
| 24.842 | 0.0000 | 0.0000 | 89.264 | 0.72045 | 0.00000 | 316523.1 | 119581.6 | 100632.1 | S |
| 24.850 | 0.0000 | 0.0000 | 89.263 | 0.72002 | 0.00000 | 316523.1 | 119603.2 | 100632.1 | S |
| 24.858 | 0.0000 | 0.0000 | 89.263 | 0.71958 | 0.00000 | 316523.1 | 119624.8 | 100632.1 | S |
| 24.867 | 0.0000 | 0.0000 | 89.262 | 0.71914 | 0.00000 | 316523.1 | 119646.4 | 100632.1 | S |
| 24.875 | 0.0000 | 0.0000 | 89.261 | 0.71871 | 0.00000 | 316523.1 | 119668.0 | 100632.1 | S |
| 24.883 | 0.0000 | 0.0000 | 89.260 | 0.71827 | 0.00000 | 316523.1 | 119689.5 | 100632.1 | S |
| 24.892 | 0.0000 | 0.0000 | 89.259 | 0.71784 | 0.00000 | 316523.1 | 119711.1 | 100632.1 | S |
| 24.900 | 0.0000 | 0.0000 | 89.259 | 0.71741 | 0.00000 | 316523.1 | 119732.6 | 100632.1 | S |
| 24.908 | 0.0000 | 0.0000 | 88.258 | 0.71698 | 0.00000 | 316523.1 | 119754.1 | 100632.9 | S |
| 24.917 | 0.0000 | 0.0000 | 89.257 | 0.71655 | 0.00000 | 316523.1 | 119775.6 | 100632.1 | S |
| 24.925 | 0.0000 | 0.0000 | 89.256 | 0.71612 | 0.00000 | 316523.1 | 119797.1 | 100632.1 | S |
| 24.933 | 0.0000 | 0.0000 | 89.255 | 0.71569 | 0.00000 | 316523.1 | 119818.6 | 100632.1 | S |
| 24.942 | 0.0000 | 0.0000 | 89.254 | 0.71526 | 0.00000 | 316523.1 | 119840.1 | 100632.1 | S |
| 24.950 | 0.0000 | 0.0000 | 89.254 | 0.71484 | 0.00000 | 316523.1 | 119861.5 | 100632.1 | S |
| 24.958 | 0.0000 | 0.0000 | 89.253 | 0.71441 | 0.00000 | 316523.1 | 119883.0 | 100632.1 | S |
| 24.967 | 0.0000 | 0.0000 | 89.252 | 0.71399 | 0.00000 | 316523.1 | 119904.4 | 100632.1 | S |
| 24.975 | 0.0000 | 0.0000 | 89.251 | 0.71356 | 0.00000 | 316523.1 | 119925.8 | 100632.1 | S |
| 24.983 | 0.0000 | 0.0000 | 89.250 | 0.71314 | 0.00000 | 316523.1 | 119947.2 | 100632.1 | S |
| 24.992 | 0.0000 | 0.0000 | 89.250 | 0.71272 | 0.00000 | 316523.1 | 119968.6 | 100632.1 | S |
| 25.000 | 0.0000 | 0.0000 | 89.249 | 0.71229 | 0.00000 | 316523.1 | 119980.0 | 100632.1 | S |
| 25,008 | 0.0000 | 0.0000 | 89.248 | 0.71187 | 0.00000 | 316523.1 | 120011.3 | 100632.1 | S |
| 25.017 | 0.0000 | 0,0000 | 89.247 | 0.71145 | 0.00000 | 316523.1 | 120032.7 | 100632.1 | S |
| 25.025 | 0.0000 | 0.0000 | 89.246 | 0.71103 | 0.00000 | 316523.1 | 120054.0 | 100632.1 | S |
| 25.033 | 0.0000 | 0.0000 | 89.246 | 0.71062 | 0.00000 | 316523.1 | 120075.3 | 100632.1 | S |
| 25.042 | 0.0000 | 0.0000 | 89.245 | 0.71020 | 0.00000 | 316523.1 | 120096.6 | 100632.1 | S |
| 25.050 | 0.0000 | 0.0000 | 89.244 | 0.70978 | 0.00000 | 316523.1 | 120117.9 | 100632.1 | S |
| 25.058 | 0.0000 | 0.0000 | 89.243 | 0.70936 | 0.00000 | 316523.1 | 120139.2 | 100632.1 | S |
| 25.067 | 0.0000 | 0.0000 | 89.242 | 0.70895 | 0.00000 | 316523.1 | 120160.5 | 100632.1 | S |
| 25.075 | 0.0000 | 0.0000 | 89,242 | 0.70853 | 0.00000 | 316523.1 | 120181.8 | 100632.1 | S |
| 25.083 | 0.0000 | 0.0000 | 89.241 | 0.70812 | 0.00000 | 316523.1 | 120203.0 | 100632.1 | S |
| 25.092 | 0.0000 | 0.0000 | 89.240 | 0.70771 | 0.00000 | 316523.1 | 120224.3 | 100632.1 | S |
| 25.100 | 0.0000 | 0.0000 | 89.239 | 0.70730 | 0.00000 | 316523.1 | 120245.5 | 100632.1 | S |
| 25.108 | 0.0000 | 0.0000 | 89.238 | 0.70688 | 0.00000 | 316523.1 | 120266.7 | 100632.1 | S |
| 25.117 | 0.0000 | 0.0000 | 89.238 | 0.70647 | 0.00000 | 316523.1 | 120287.9 | 100632.1 | S |
| 25.125 | 0.0000 | 0.0000 | 89.237 | 0.70606 | 0.00000 | 316523.1 | 120309.1 | 100632.1 | S |
| 25,133 | 0.0000 | 0.0000 | 89.236 | 0.70565 | 0.00000 | 316523.1 | 120330.3 | 100632.1 | S |
| 25.142 | 0.0000 | 0.0000 | 89.235 | 0.70525 | 0.00000 | 316523.1 | 120351.4 | 100632.1 | 5 |
| 25.150 | 0.0000 | 0.0000 | 89.234 | 0.70484 | 0.00000 | 316523.1 | 120372.6 | 100632.1 | S |
| 25.158 | 0.0000 | 0.0000 | 89.234 | 0.70443 | 0.00000 | 316523.1 | 120393.7 | 100632.1 | S |
| 25.167 | 0.0000 | 0.0000 | 89.233 | 0.70403 | 0.00000 | 316523.1 | 120414.8 | 100632.1 | S |
| 25.175 | 0.0000 | 0.0000 | 89.232 | 0.70362 | 0.00000 | 316523.1 | 120436.0 | 100632.1 | S |
| 25.183 | 0.0000 | 0.0000 | 89.231 | 0.70322 | 0.00000 | 316523.1 | 120457.1 | 100632.1 | S |
| 25.192 | 0.0000 | 0.0000 | 89.230 | 0.70281 | 0.00000 | 316523.1 | 120478.1 | 100632.1 | S |
| 25.200 | 0.0000 | 0.0000 | 89.230 | 0.70241 | 0.00000 | 316523.1 | 120499.2 | 100632.1 | S |
| 25.208 | 0.0000 | 0.0000 | 89.229 | 0.70200 | 0.00000 | 316523.1 | 120520.3 | 100632.1 | S |
| 25.217 | 0.0000 | 0.0000 | 89.228 | 0.70160 | 0.00000 | 316523.1 | 120541.3 | 100632.1 | S |
| 25.225 | 0.0000 | 0.0000 | 89.227 | 0.70120 | 0.00000 | 316523.1 | 120562.4 | 100632.1 | S |
| 25.233 | 0.0000 | 0.0000 | 89.226 | 0.70080 | 0.00000 | 316523.1 | 120583.4 | 100632.1 | S |
| 25.242 | 0.0000 | 0.0000 | 89.226 | 0.70040 | 0.00000 | 316523.1 | 120604.4 | 100632.1 | S |
| 25.250 | 0.0000 | 0.0000 | 89.225 | 0.70000 | 0.00000 | 316523.1 | 120625.4 | 100632.1 | S |
| 25.258 | 0.0000 | 0.0000 | 89.224 | 0.69960 | 0.00000 | 316523.1 | 120646.4 | 100632.1 | S |
| 25.267 | 0.0000 | 0.0000 | 89.223 | 0.69921 | 0.00000 | 316523.1 | \{20667.4 | 100632.1 | S |
| 25.275 | 0.0000 | 0.0000 | 89.222 | 0.69881 | 0.00000 | 316523.1 | 120688.4 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation ( ft datum) | Infiltration Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 25.283 | 0.0000 | 0.0000 | 89.222 | 0.69841 | 0.00000 | 316523.1 | 120709.3 | 100632.1 | S |
| 25.292 | 0.0000 | 0.0000 | 89.221 | 0.69802 | 0.00000 | 316523.1 | 120730.3 | 100632.1 | S |
| 25.300 | 0.0000 | 0.0000 | 89.220 | 0.69762 | 0.00000 | 316523.1 | 120751.2 | 100632.1 | S |
| 25.308 | 0.0000 | 0.0000 | 89.219 | 0.69723 | 0.00000 | 316523.1 | 120772.1 | 100632.1 | S |
| 25.317 | 0.0000 | 0.0000 | 89.219 | 0.69683 | 0.00000 | 316523.1 | 120793.1 | 100632.1 | S |
| 25.325 | 0.0000 | 0.0000 | 89.218 | 0.69644 | 0.00000 | 316523.1 | 120814.0 | 100632.1 | S |
| 25.333 | 0.0000 | 0.0000 | 89.217 | 0.69605 | 0.00000 | 316523.1 | $\ddagger 20834.8$ | 100632.1 | S |
| 25.342 | 0.0000 | 0.0000 | 89.216 | 0.69565 | 0.00000 | 316523.1 | \$20855.7 | 100632.1 | S |
| 25.350 | 0.0000 | 0.0000 | 89.215 | 0.69526 | 0.00000 | 316523.1 | 120876.6 | 100632.1 | S |
| 25.358 | 0.0000 | 0.0000 | 89.215 | 0.69487 | 0.00000 | 316523.1 | 120897.4 | 100632.1 | S |
| 25.367 | 0.0000 | 0.0000 | 89.214 | 0.69448 | 0.00000 | 316523.1 | 120918.3 | 100632.1 | S |
| 25.375 | 0.0000 | 0.0000 | 89.213 | 0.69409 | 0.00000 | 316523.1 | 120939.1 | 100632.1 | S |
| 25.383 | 0.0000 | 0.0000 | 89.212 | 0.69370 | 0.00000 | 316523.1 | 120959.9 | 100632.1 | S |
| 25.392 | 0.0000 | 0.0000 | 89.211 | 0.69332 | 0.00000 | 316523.1 | 120980.7 | 100632.1 | S |
| 25.400 | 0.0000 | 0.0000 | 89.211 | 0.69293 | 0.00000 | 316523.1 | 121001.5 | 100632.1 | S |
| 25.408 | 0.0000 | 0.0000 | 89.210 | 0.69254 | 0.00000 | 316523.1 | 121022.3 | 100632.1 | S |
| 25.417 | 0.0000 | 0.0000 | 89.209 | 0.69215 | 0.00000 | 316523.1 | 121043.1 | 100632.1 | S |
| 25.425 | 0.0000 | 0.0000 | 89.208 | 0.69177 | 0.00000 | 316523.1 | 121063.8 | 100632.1 | S |
| 25.433 | 0.0000 | 0.0000 | 89.207 | 0.69138 | 0.00000 | 316523.1 | 121084.6 | 100632.1 | S |
| 25.442 | 0.0000 | 0.0000 | 89.207 | 0.69100 | 0.00000 | 316523.1 | 121105.3 | 100632.1 | S |
| 25.450 | 0.0000 | 0.0000 | 89.206 | 0.69062 | 0.00000 | 316523.1 | 121126.0 | 100632.1 | S |
| 25.458 | 0.0000 | 0.0000 | 89.205 | 0.69023 | 0.00000 | 316523.1 | 121146.8 | 100632.1 | S |
| 25.467 | 0.0000 | 0.0000 | 89.204 | 0.68985 | 0.00000 | 316523.1 | 121167.5 | 100632.1 | S |
| 25.475 | 0.0000 | 0.0000 | 89.204 | 0.68947 | 0.00000 | 316523.1 | 121188.1 | 100632.1 | S |
| 25.483 | 0.0000 | 0.0000 | 89.203 | 0.68909 | 0.00000 | 316523.1 | 121208.8 | 100632.1 | S |
| 25.492 | 0.0000 | 0.0000 | 89.202 | 0.68870 | 0.00000 | 316523.1 | 121229.5 | 100632.1 | S |
| 25.500 | 0.0000 | 0.0000 | 89.201 | 0.68832 | 0.00000 | 316523.7 | 121250.1 | 100632.1 | S |
| 25.508 | 0.0000 | 0.0000 | 89.200 | 0.68794 | 0.00000 | 316523.1 | 121270.8 | 100632.1 | S |
| 25.517 | 0.0000 | 0.0000 | 89.200 | 0.68757 | 0.00000 | 316523.1 | 121291.4 | 100632.1 | S |
| 25.525 | 0.0000 | 0.0000 | 89.199 | 0.68719 | 0.00000 | 316523.1 | 121312.0 | 100632.1 | S |
| 25.533 | 0.0000 | 0.0000 | 89.198 | 0.68681 | 0.00000 | 316523.1 | 121332.6 | 100632.1 | S |
| 25.542 | 0.0000 | 0.0000 | 89.197 | 0.68643 | 0.00000 | 316523.1 | 121353.3 | 100632.1 | S |
| 25.550 | 0.0000 | 0.0000 | 89.197 | 0.68605 | 0.00000 | 316523.1 | 121373.8 | 100632.1 | S |
| 25.558 | 0.0000 | 0.0000 | 89.196 | 0.68568 | 0.00000 | 316523.1 | 121394.4 | 100632.1 | S |
| 25.567 | 0.0000 | 0.0000 | 89.195 | 0.68530 | 0.00000 | 316523.1 | 121415.0 | 100632.1 | S |
| 25.575 | 0.0000 | 0.0000 | 89.194 | 0.68493 | 0.00000 | 316523.1 | 121435.5 | 100632.1 | S |
| 25.583 | 0.0000 | 0.0000 | 89.193 | 0.68455 | 0.00000 | 316523.1 | 121456.1 | 100632.1 | S |
| 25.592 | 0.0000 | 0.0000 | 89.193 | 0.68418 | 0.00000 | 316523.1 | 121476.6 | 100632.1 | S |
| 25.600 | 0.0000 | 0.0000 | 89.192 | 0.68381 | 0.00000 | 316523.1 | 121497.1 | 100632.1 | S |
| 25.608 | 0.0000 | 0.0000 | 89.191 | 0.68343 | 0.00000 | 316523.1 | 121517.6 | 100632.1 | S |
| 25.617 | 0.0000 | 0.0000 | 89.190 | 0.68306 | 0.00000 | 316523.1 | 121538.1 | 100632.1 | S |
| 25.625 | 0.0000 | 0.0000 | 89.190 | 0.68269 | 0.00000 | 316523.1 | 121558.6 | 100632.1 | S |
| 25.633 | 0.0000 | 0.0000 | 89.189 | 0.68232 | 0.00000 | 316523.1 | 121579.1 | 100632.1 | S |
| 25.642 | 0.0000 | 0.0000 | 89.188 | 0.68195 | 0.00000 | 316523.1 | 121599.6 | 100632.1 | S |
| 25.650 | 0.0000 | 0.0000 | 89.187 | 0.68158 | 0.00000 | 316523.1 | 121620.0 | 100632.1 | S |
| 25.658 | 0.0000 | 0.0000 | 89.186 | 0.68121 | 0.00000 | 316523.1 | 121640.4 | 100632.1 | S |
| 25.667 | 0.0000 | 0.0000 | 89.186 | 0.68084 | 0.00000 | 316523.1 | 121660.9 | 100632.1 | S |
| 25.675 | 0.0000 | 0.0000 | 89.185 | 0.68047 | 0.00000 | 316523.1 | 121681.3 | 100632.1 | S |
| 25.683 | 0.0000 | 0.0000 | 89.184 | 0.68010 | 0.00000 | 316523.1 | 121701.7 | 100632.1 | S |
| 25.692 | 0.0000 | 0.0000 | 89.183 | 0.67973 | 0.00000 | 316523.1 | 121722.1 | 100632.1 | S |
| 25.700 | 0.0000 | 0.0000 | 89.183 | 0.67937 | 0.00000 | 316523.1 | 121742.5 | 100632.1 | S |
| 25.708 | 0.0000 | 0.0000 | 89.182 | 0.67900 | 0.00000 | 316523.1 | 121762.9 | 100632.1 | S |
| 25.717 | 0.0000 | 0.0000 | 89.181 | 0.67864 | 0.00000 | 316523.1 | 121783.2 | 100632.1 | S |
| 25.725 | 0.0000 | 0.0000 | 89.180 | 0.67827 | 0.00000 | 316523.1 | 121803.6 | 100632.1 | S |
| 25.733 | 0.0000 | 0.0000 | 89.179 | 0.67791 | 0.00000 | 316523.1 | 121823.9 | 100632.1 | S |
| 25.742 | 0.0000 | 0.0000 | 89.179 | 0.67754 | 0.00000 | 316523.1 | 121844.3 | 100632.1 | S |
| 25.750 | 0.0000 | 0.0000 | 89.178 | 0.67718 | 0.00000 | 316523.1 | 121864.6 | 100632.1 | S |
| 25.758 | 0.0000 | 0.0000 | 89.177 | 0.67681 | 0.00000 | 316523.1 | 121884.9 | 100632.1 | S |
| 25.767 | 0.0000 | 0.0000 | 89.176 | 0.67645 | 0.00000 | 316523.1 | 121905.2 | 100632.1 | S |
| 25.775 | 0.0000 | 0.0000 | 89.176 | 0.67609 | 0.00000 | 316523.1 | 121925.5 | 100632.1 | S |
| 25.783 | 0.0000 | 0.0000 | 89.175 | 0.67573 | 0.00000 | 316523.1 | 121945.8 | 100632.1 | S |
| 25.792 | 0.0000 | 0.0000 | 89.174 | 0.67537 | 0.00000 | 316523.1 | 121966.0 | 100632.1 | S |
| 25.800 | 0.0000 | 0.0000 | 89.173 | 0.67501 | 0.00000 | 316523.1 | 121986.3 | 100632.1 | S |
| 25.808 | 0.0000 | 0.0000 | 89.172 | 0.67465 | 0.00000 | 316523.1 | 122006.5 | 100632.1 | S |
| 25.817 | 0.0000 | 0.0000 | 89.172 | 0.67429 | 0.00000 | 316523.1 | 122026.8 | 100632.1 | S |
| 25.825 | 0.0000 | 0.0000 | 89.171 | 0.67393 | 0.00000 | 316523.1 | 122047.0 | 100632.1 | S |
| 25.833 | 0.0000 | 0.0000 | 89.170 | 0.67357 | 0.00000 | 316523.1 | 122067.2 | \{00632.1 | S |
| 25.842 | 0.0000 | 0.0000 | 89.169 | 0.67321 | 0.00000 | 316523.1 | 122087.4 | 100632.1 | S |
| 25.850 | 0.0000 | 0.0000 | 89.169 | 0.67285 | 0.00000 | 316523.1 | 122107.6 | 100632.1 | S |
| 25.858 | 0.0000 | 0.0000 | 89.168 | 0.67250 | 0.00000 | 316523.1 | 122127.8 | 100632.1 | S |
| 25.867 | 0.0000 | 0.0000 | 89.167 | 0.67214 | 0.00000 | 316523.1 | 122147.9 | 100632.1 | S |
| 25.875 | 0.0000 | 0.0000 | 89.166 | 0.67178 | 0.00000 | 316523.1 | 122168.1 | 100632.1 | S |
| 25.883 | 0.0000 | 0.0000 | 89.166 | 0.67143 | 0.00000 | 316523.1 | 122188.2 | 100632.1 | S |
| 25.892 | 0.0000 | 0.0000 | 89.165 | 0.67107 | 0.00000 | 316523.1 | 122208.4 | 100632.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/overflow

| Elapsed Time (hours) | Inflow Rate (ftis) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Inflitration Rate ( $\mathrm{h}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{fl}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 25.900 | 0.0000 | 0.0000 | 89.164 | 0.67072 | 0.00000 | 316523.1 | 122228.5 | 100632.1 | S |
| 25.908 | 0.0000 | 0.0000 | 89.163 | 0.67037 | 0.00000 | 316523.1 | 122248.6 | 100632.1 | S |
| 25.917 | 0.0000 | 0.0000 | 89.163 | 0.67001 | 0.00000 | 316523.1 | 122268.7 | 100632.1 | S |
| 25.925 | 0.0000 | 0.0000 | 89.162 | 0.66966 | 0.00000 | 316523.1 | 122288.8 | 100632.1 | S |
| 25.933 | 0.0000 | 0.0000 | 89.161 | 0.66931 | 0.00000 | 316523.1 | 122308.9 | 100632.1 | S |
| 25.942 | 0.0000 | 0.0000 | 89.160 | 0.66895 | 0.00000 | 316523.1 | 122329.0 | 100632.1 | S |
| 25.950 | 0.0000 | 0.0000 | 89.159 | 0.66860 | 0.00000 | 316523.1 | 122349.0 | 100632.1 | S |
| 25.958 | 0.0000 | 0.0000 | 89.159 | 0.66825 | 0.00000 | 316523.1 | 122369.1 | 100632.1 | S |
| 25.967 | 0.0000 | 0.0000 | 89.158 | 0.66790 | 0.00000 | 316523.1 | 122389.1 | 100632.1 | S |
| 25.975 | 0.0000 | 0.0000 | 89.157 | 0.66755 | 0.00000 | 316523.1 | 122409.2 | 100632.1 | S |
| 25.983 | 0.0000 | 0.0000 | 89.156 | 0.66720 | 0.00000 | 316523.1 | 122429.2 | 100632.1 | S |
| 25.992 | 0.0000 | 0.0000 | 89.156 | 0.66685 | 0.00000 | 316523.1 | 122449.2 | 100632.1 | S |
| 26.000 | 0.0000 | 0.0000 | 89.155 | 0.66650 | 0.00000 | 316523.1 | 122469.2 | 100632.1 | S |
| 26.008 | 0.0000 | 0.0000 | 89.154 | 0.66615 | 0.00000 | 316523.1 | 122489.2 | 100632.1 | S |
| 26.017 | 0.0000 | 0.0000 | 89.153 | 0.66581 | 0.00000 | 316523.1 | 122509.2 | 100632.1 | S |
| 26.025 | 0.0000 | 0.0000 | 89.153 | 0.66546 | 0.00000 | 316523.1 | 122529.1 | 100632.1 | S |
| 26.033 | 0.0000 | 0.0000 | 89.152 | 0.66511 | 0.00000 | 316523.1 | 122549.1 | 100632.1 | S |
| 26.042 | 0.0000 | 0.0000 | 89.151 | 0.66477 | 0.00000 | 316523.1 | 122569.0 | 100632.1 | S |
| 26.050 | 0.0000 | 0.0000 | 89.150 | 0.66442 | 0.00000 | 316523.1 | 122589.0 | 100632.1 | S |
| 26.058 | 0.0000 | 0.0000 | 89.150 | 0.66407 | 0.00000 | 316523.1 | 122608.9 | 100632.1 | S |
| 26.067 | 0.0000 | 0.0000 | 89.149 | 0.66373 | 0.00000 | 316523.1 | 122628.8 | 100632.1 | S |
| 26.075 | 0.0000 | 0.0000 | 89.148 | 0.66338 | 0.00000 | 316523.1 | 122648.7 | 100632.1 | S |
| 26.083 | 0.0000 | 0.0000 | 89.147 | 0.66304 | 0.00000 | 316523.1 | 122668.6 | 100632.1 | S |
| 26.092 | 0.0000 | 0.0000 | 89.147 | 0.66270 | 0.00000 | 316523.1 | 122688.5 | 100632.1 | S |
| 26.100 | 0.0000 | 0.0000 | 89.146 | 0.66235 | 0.00000 | 316523.1 | 122708.4 | 100632.1 | S |
| 26.108 | 0.0000 | 0.0000 | 89.145 | 0.66201 | 0.00000 | 316523.1 | 122728.3 | 100632.1 | S |
| 26.117 | 0.0000 | 0.0000 | 89.144 | 0.66167 | 0.00000 | 316523.1 | 122748.1 | 100632.1 | S |
| 26.125 | 0.0000 | 0.0000 | 89.143 | 0.66133 | 0.00000 | 316523.1 | 122768.0 | 100632.1 | S |
| 26.133 | 0.0000 | 0.0000 | 89.143 | 0.66099 | 0.00000 | 316523.1 | 122787.8 | 100632.1 | S |
| 26.142 | 0.0000 | 0.0000 | 89.142 | 0.66064 | 0.00000 | 316523.1 | 122807.6 | 100632.1 | S |
| 26.150 | 0.0000 | 0.0000 | 89.141 | 0.66030 | 0.00000 | 316523.1 | 122827.4 | 100632.1 | S |
| 26.158 | 0.0000 | 0.0000 | 89.140 | 0.65996 | 0.00000 | 316523.1 | 122847.2 | 100632.1 | S |
| 26.167 | 0.0000 | 0.0000 | 89.140 | 0.65962 | 0.00000 | 316523.1 | 122867.0 | 100632.1 | S |
| 26.175 | 0.0000 | 0.0000 | 89.139 | 0.65929 | 0.00000 | 316523.1 | 122886.8 | 100632.1 | S |
| 26.183 | 0.0000 | 0.0000 | 89.138 | 0.65895 | 0.00000 | 316523.1 | 122906.6 | 100632.1 | S |
| 26.192 | 0.0000 | 0.0000 | 89.137 | 0.65861 | 0.00000 | 316523.1 | 122926.4 | 100632.1 | S |
| 26.200 | 0.0000 | 0.0000 | 89.137 | 0.65827 | 0.00000 | 316523.1 | 122946.1 | 100632.1 | S |
| 26.208 | 0.0000 | 0.0000 | 89.136 | 0.65793 | 0.00000 | 316523.1 | 122965.9 | 100632.1 | S |
| 26.217 | 0.0000 | 0.0000 | 89.135 | 0.65760 | 0.00000 | 316523.1 | 122985.6 | 100632.1 | S |
| 26.225 | 0.0000 | 0.0000 | 89.134 | 0.65726 | 0.00000 | 316523.1 | 123005.3 | 100632.1 | S |
| 26.233 | 0.0000 | 0.0000 | 89.134 | 0.65692 | 0.00000 | 316523.1 | 123025.0 | 100632.1 | S |
| 26.242 | 0.0000 | 0.0000 | 89.133 | 0.65659 | 0.00000 | 316523.1 | 123044.7 | 100632.1 | S |
| 26.250 | 0.0000 | 0.0000 | 89.132 | 0.65625 | 0.00000 | 316523.1 | 123064.4 | 100632.1 | S |
| 26.258 | 0.0000 | 0.0000 | 89.131 | 0.65592 | 0.00000 | 316523.1 | 123084.1 | 100632.1 | S |
| 26.267 | 0.0000 | 0.0000 | 89.131 | 0.65558 | 0.00000 | 316523.1 | 123103.8 | 100632.1 | S |
| 26.275 | 0.0000 | 0.0000 | 89.130 | 0.65525 | 0.00000 | 316523.1 | 123123.4 | 100632.1 | S |
| 26.283 | 0.0000 | 0.0000 | 89.129 | 0.65492 | 0.00000 | 316523.1 | 123143.1 | 100632.1 | S |
| 26.292 | 0.0000 | 0.0000 | 89.128 | 0.65458 | 0.00000 | 316523.1 | 123162.7 | 100632.1 | S |
| 26.300 | 0.0000 | 0.0000 | 89.128 | 0.65425 | 0.00000 | 316523.1 | 123182.4 | 100632.1 | S |
| 26.308 | 0.0000 | 0.0000 | 89.127 | 0.65392 | 0.00000 | 316523.1 | 123202.0 | 100632.1 | S |
| 26.317 | 0.0000 | 0.0000 | 89.126 | 0.65359 | 0.00000 | 316523.1 | 123221.6 | 100632.1 | S |
| 26.325 | 0.0000 | 0.0000 | 89.125 | 0.65326 | 0.00000 | 316523.1 | 123241.2 | 100632.1 | S |
| 26.333 | 0.0000 | 0.0000 | 89.125 | 0.65292 | 0.00000 | 316523.1 | 123260.8 | 100632.1 | S |
| 26.342 | 0.0000 | 0.0000 | 89.124 | 0.65259 | 0.00000 | 316523.1 | 123280.4 | 100632.1 | S |
| 26.350 | 0.0000 | 0.0000 | 89.123 | 0.65226 | 0.00000 | 316523.1 | 123299.9 | 100632.1 | S |
| 26.358 | 0.0000 | 0.0000 | 89.122 | 0.65193 | 0.00000 | 316523.1 | 123319.5 | 100632.1 | S |
| 26.367 | 0.0000 | 0.0000 | 89.122 | 0.65161 | 0.00000 | 316523.1 | 123339.1 | 100632.1 | S |
| 26.375 | 0.0000 | 0.0000 | 89.121 | 0.65128 | 0.00000 | 316523.1 | 123358.6 | 100632.1 | S |
| 26.383 | 0.0000 | 0.0000 | 89.120 | 0.65095 | 0.00000 | 316523.1 | 123378.1 | 100632.1 | S |
| 26.392 | 0.0000 | 0.0000 | 89.119 | 0.65062 | 0.00000 | 316523.1 | 123397.7 | 100632.1 | S |
| 26.400 | 0.0000 | 0.0000 | 89.119 | 0.65029 | 0.00000 | 316523.1 | 123417.2 | 100632.1 | S |
| 26.408 | 0.0000 | 0.0000 | 89.118 | 0.64996 | 0.00000 | 316523.1 | 123436.7 | 100632.1 | S |
| 26.417 | 0.0000 | 0.0000 | 89.117 | 0.64964 | 0.00000 | 316523.1 | 123456.2 | 100632.1 | S |
| 26.425 | 0.0000 | 0.0000 | 89.116 | 0.64931 | 0.00000 | 316523.1 | 123475.7 | 100632.1 | S |
| 26.433 | 0.0000 | 0.0000 | 89.116 | 0.64899 | 0.00000 | 316523.1 | 123495.1 | 100632.1 | S |
| 26.442 | 0.0000 | 0.0000 | 89.115 | 0.64866 | 0.00000 | 316523.1 | 123514.6 | 100632.1 | S |
| 26.450 | 0.0000 | 0.0000 | 89.114 | 0.64834 | 0.00000 | 316523.1 | 123534.0 | 100632.1 | S |
| 26.458 | 0.0000 | 0.0000 | 89.113 | 0.64801 | 0.00000 | 316523.1 | 123553.5 | 100632.1 | S |
| 26.467 | 0.0000 | 0.0000 | 89.113 | 0.64769 | 0.00000 | 316523.1 | 123572.9 | 100632.1 | S |
| 26.475 | 0.0000 | 0.0000 | 89.112 | 0.64736 | 0.00000 | 316523.1 | 123592.4 | 100632.1 | S |
| 26.483 | 0.0000 | 0.0000 | 89.111 | 0.64704 | 0.00000 | 316523.1 | 123611.8 | 100632.1 | S |
| 26.492 | 0.0000 | 0.0000 | 89.110 | 0.64672 | 0.00000 | 316523.1 | 123631.2 | 100632.1 | S |
| 26.500 | 0.0000 | 0.0000 | 89.110 | 0.64639 | 0.00000 | 316523.1 | 123650.6 | 100632.1 | S |
| 26.508 | 0.0000 | 0.0000 | 89.109 | 0.64607 | 0.00000 | 316523.1 | 123670.0 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate (fishs) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / 5}$ ) | Overfiow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infilsration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 26.517 | 0.0000 | 0.0000 | 89.108 | 0.64575 | 0.00000 | 316523.1 | 123689.3 | 100632.1 | S |
| 26.525 | 0.0000 | 0.0000 | 89.107 | 0.64543 | 0.00000 | 316523.1 | 123708.7 | 100632.1 | S |
| 26.533 | 0.0000 | 0.0000 | 89.107 | 0.64511 | 0.00000 | 316523.1 | 123728.1 | 100632.1 | S |
| 26.542 | 0.0000 | 0.0000 | 89.106 | 0.64478 | 0.00000 | 316523.1 | 123747.4 | 100632.1 | S |
| 26.550 | 0.0000 | 0.0000 | 89.105 | 0.64446 | 0.00000 | 316523.1 | 123766.8 | 100632.1 | S |
| 26.558 | 0.0000 | 0.0000 | 89.105 | 0.64414 | 0.00000 | 316523.1 | 123786.1 | 100632.1 | S |
| 26.567 | 0.0000 | 0.0000 | 89.104 | 0.64382 | 0.00000 | 316523.1 | 123805.4 | 100632.7 | S |
| 26.575 | 0.0000 | 0.0000 | 89.103 | 0.64351 | 0.00000 | 316523.1 | 123824.7 | 100632.1 | S |
| 26.583 | 0.0000 | 0.0000 | 89.102 | 0.64319 | 0.00000 | 316523.1 | 123844.0 | 100632.1 | S |
| 26.592 | 0.0000 | 0.0000 | 89.102 | 0.64287 | 0.00000 | 316523.1 | 123863.3 | 100632.1 | S |
| 26.600 | 0.0000 | 0.0000 | 89.101 | 0.64255 | 0.00000 | 316523.1 | 123882.6 | 100632.1 | S |
| 26.608 | 0.0000 | 0.0000 | 89.100 | 0.64223 | 0.00000 | 316523.1 | 123901.9 | 100632.1 | S |
| 26.617 | 0.0000 | 0.0000 | 89.099 | 0.64192 | 0.00000 | 316523.1 | 123921.7 | 100632.1 | S |
| 26.625 | 0.0000 | 0.0000 | 89.099 | 0.64160 | 0.00000 | 316523.1 | 123940.4 | 100632.1 | S |
| 26.633 | 0.0000 | 0.0000 | 89.098 | 0.64128 | 0.00000 | 316523.1 | 123959.6 | 100632.1 | S |
| 26.642 | 0.0000 | 0.0000 | 89.097 | 0.64097 | 0.00000 | 316523.1 | 123978.8 | 100632.1 | S |
| 26.650 | 0.0000 | 0.0000 | 89.096 | 0.64065 | 0.00000 | 316523.1 | 123998.1 | 100632.1 | S |
| 26.658 | 0.0000 | 0.0000 | 89.096 | 0.64033 | 0.00000 | 316523.1 | 124017.3 | 100632.1 | S |
| 26.667 | 0.0000 | 0.0000 | 89.095 | 0.64002 | 0.00000 | 316523.1 | 124036.5 | 100632.1 | S |
| 26.675 | 0.0000 | 0.0000 | 89.094 | 0.63970 | 0.00000 | 316523.1 | 124055.7 | 100632.1 | S |
| 26.683 | 0.0000 | 0.0000 | 89.093 | 0.63939 | 0.00000 | 316523.1 | 124074.9 | 100632.1 | S |
| 26.692 | 0.0000 | 0.0000 | 89.093 | 0.63908 | 0.00000 | 316523.1 | 124094.0 | 100632.1 | S |
| 26.700 | 0.0000 | 0.0000 | 89.092 | 0.63876 | 0.00000 | 316523.1 | 124113.2 | 100632.1 | S |
| 26.708 | 0.0000 | 0.0000 | 89.091 | 0.63845 | 0.00000 | 316523.1 | 124132.4 | 100632.1 | S |
| 26.717 | 0.0000 | 0.0000 | 89.090 | 0.63814 | 0.00000 | 316523.1 | 124151.5 | 100632.1 | S |
| 26.725 | 0.0000 | 0.0000 | 89.090 | 0.63782 | 0.00000 | 316523.1 | 124170.7 | 100632.1 | S |
| 26.733 | 0.0000 | 0.0000 | 89.089 | 0.63751 | 0.00000 | 316523.1 | 124189.8 | 100632.1 | S |
| 26.742 | 0.0000 | 0.0000 | 89.088 | 0.63720 | 0.00000 | 316523.1 | 124208.9 | 100632.1 | S |
| 26.750 | 0.0000 | 0.0000 | 89.088 | 0.63689 | 0.00000 | 316523.1 | 124228.0 | 100632.1 | S |
| 26.758 | 0.0000 | 0.0000 | 89.087 | 0.63658 | 0.00000 | 316523.1 | 124247.1 | 100632.1 | S |
| 26.767 | 0.0000 | 0.0000 | 89.086 | 0.63627 | 0.00000 | 316523.1 | 124266.2 | 100632.1 | S |
| 26.775 | 0.0000 | 0.0000 | 89.085 | 0.63596 | 0.00000 | 316523.4 | 124285.3 | 100632.1 | S |
| 26.783 | 0.0000 | 0.0000 | 89.085 | 0.63565 | 0.00000 | 316523.1 | 124304.4 | 100632.1 | S |
| 26.792 | 0.0000 | 0.0000 | 89.084 | 0.63534 | 0.00000 | 316523.1 | 124323.4 | 100632.1 | S |
| 26.800 | 0.0000 | 0.0000 | 89.083 | 0.63503 | 0.00000 | 316523.1 | 124342.5 | 100632.1 | S |
| 26.808 | 0.0000 | 0.0000 | 89.082 | 0.63472 | 0.00000 | 316523.1 | 124361.5 | 100632.1 | S |
| 26.817 | 0.0000 | 0.0000 | 89.082 | 0.63441 | 0.00000 | 316523.1 | 124380.6 | 100632.1 | S |
| 26.825 | 0.0000 | 0.0000 | 89.081 | 0.63410 | 0.00000 | 316523.1 | 124399.6 | 100632.1 | S |
| 26.833 | 0.0000 | 0.0000 | 89.080 | 0.63380 | 0.00000 | 316523.1 | 124418.6 | 100632.1 | S |
| 26.842 | 0.0000 | 0.0000 | 89.079 | 0.63349 | 0.00000 | 316523.1 | 124437.6 | 100632.1 | S |
| 26.850 | 0.0000 | 0.0000 | 89.079 | 0.63318 | 0.00000 | 316523.1 | 124456.6 | 100632.1 | S |
| 26.858 | 0.0000 | 0.0000 | 89.078 | 0.63288 | 0.00000 | 316523.1 | 124475.6 | 100632.1 | S |
| 26.867 | 0.0000 | 0.0000 | 89.077 | 0.63257 | 0.00000 | 316523.1 | 124494.6 | 100632.1 | S |
| 26.875 | 0.0000 | 0.0000 | 89.077 | 0.63226 | 0.00000 | 316523.1 | 124513.6 | 100632.1 | S |
| 26.883 | 0.0000 | 0.0000 | 89.076 | 0.63196 | 0.00000 | 316523.1 | 124532.5 | 100632.1 | S |
| 26.892 | 0.0000 | 0.0000 | 89.075 | 0.63165 | 0.00000 | 316523.1 | 124551.5 | 100632.1 | S |
| 26.900 | 0.0000 | 0.0000 | 89.074 | 0.63135 | 0.00000 | 316523.1 | 124570.4 | 100632.1 | S |
| 26.908 | 0.0000 | 0.0000 | 89.074 | 0.63104 | 0.00000 | 316523.1 | 124589.4 | 100632.1 | S |
| 26.917 | 0.0000 | 0.0000 | 89.073 | 0.63074 | 0.00000 | 316523.1 | 124608.3 | 100632.1 | S |
| 26.925 | 0.0000 | 0.0000 | 89.072 | 0.63044 | 0.00000 | 316523.1 | 124627.2 | 100632.1 | S |
| 26.933 | 0.0000 | 0.0000 | 89.071 | 0.63013 | 0.00000 | 316523.1 | 124646.1 | 100632.1 | S |
| 26.942 | 0.0000 | 0.0000 | 89.071 | 0.62983 | 0.00000 | 316523.1 | 124665.0 | 100632.1 | S |
| 26.950 | 0.0000 | 0.0000 | 89.070 | 0.62953 | 0.00000 | 316523.1 | 124683.9 | 100632.1 | S |
| 26.958 | 0.0000 | 0.0000 | 89.069 | 0.62923 | 0.00000 | 316523.1 | 124702.8 | 100632.1 | S |
| 26.967 | 0.0000 | 0.0000 | 89.069 | 0.62892 | 0.00000 | 316523.1 | 124721.7 | 100632.1 | S |
| 26.975 | 0.0000 | 0.0000 | 89.068 | 0.62862 | 0.00000 | 316523.1 | 124740.5 | 100632.1 | S |
| 26.983 | 0.0000 | 0.0000 | 89.067 | 0.62832 | 0.00000 | 316523.1 | 124759.4 | 100632.1 | S |
| 26.992 | 0.0000 | 0.0000 | 89.066 | 0.62802 | 0.00000 | 316523.1 | 124778.2 | 100632.1 | S |
| 27.000 | 0.0000 | 0.0000 | 89.066 | 0.62772 | 0.00000 | 316523.1 | 124797.1 | 100632.1 | S |
| 27.008 | 0.0000 | 0.0000 | 89.065 | 0.62742 | 0.00000 | 316523.1 | 124815.9 | 100632.1 | S |
| 27.017 | 0.0000 | 0,0000 | 89.064 | 0.62712 | 0.00000 | 316523.1 | 124834.7 | 100632.1 | S |
| 27.025 | 0.0000 | 0.0000 | 89.063 | 0.62682 | 0.00000 | 316523.1 | 124853.5 | 100632.1 | S |
| 27.033 | 0.0000 | 0.0000 | 89.063 | 0.62652 | 0.00000 | 316523.1 | 124872.3 | 100632.1 | S |
| 27.042 | 0.0000 | 0.0000 | 89.062 | 0.62622 | 0.00000 | 316523.1 | 124891.1 | 100632.1 | S |
| 27.050 | 0.0000 | 0.0000 | 89.061 | 0.62592 | 0.00000 | 316523.1 | 124909.9 | 100632.1 | S |
| 27.058 | 0.0000 | 0.0000 | 89.061 | 0.62562 | 0.00000 | 316523.1 | 124928.7 | 100632.1 | S |
| 27.067 | 0.0000 | 0.0000 | 89.060 | 0.62533 | 0.00000 | 316523.1 | 124947.4 | 100632.1 | S |
| 27.075 | 0.0000 | 0.0000 | 89.059 | 0.62503 | 0.00000 | 316523.1 | 124966.2 | 100632.1 | S |
| 27.083 | 0.0000 | 0.0000 | 89.058 | 0.62473 | 0.00000 | 316523.1 | 124984.9 | 100632.1 | S |
| 27.092 | 0.0000 | 0.0000 | 89.058 | 0.62444 | 0.00000 | 316523.1 | 125003.7 | 100632.1 | S |
| 27.100 | 0.0000 | 0.0000 | 89.057 | 0.62414 | 0.00000 | 316523.1 | 125022.4 | 100632.1 | S |
| 27.108 | 0.0000 | 0.0000 | 89.056 | 0.62384 | 0.00000 | 316523.1 | 125041.1 | 100632.1 | S |
| 27.117 | 0.0000 | 0.0000 | 89.056 | 0.62355 | 0.00000 | 316523.1 | 125059.8 | 100632.1 | S |
| 27.125 | 0.0000 | 0.0000 | 89.055 | 0.62325 | 0.00000 | 316523.1 | 125078.5 | 100632.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario $1::$ pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | Inflow Rate (f13/s) | Outside Recharge (f/day) | Stage Elevation (At datum) | Infiltration Rate ( $\mathrm{H}^{3 / 3 / 5)}$ | Overfiow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 27.133 | 0.0000 | 0.0000 | 89.054 | 0.62296 | 0.00000 | 316523.1 | 125097.2 | 100632.1 | S |
| 27.142 | 0.0000 | 0.0000 | 89.053 | 0.62266 | 0.00000 | 316523.1 | 125115.9 | 100632.1 | S |
| 27.150 | 0.0000 | 0.0000 | 89.053 | 0.62237 | 0.00000 | 316523.1 | 125134.6 | 100632.1 | S |
| 27.158 | 0.0000 | 0.0000 | 89.052 | 0.62207 | 0.00000 | 316523.1 | 125153.3 | 100632.1 | S |
| 27.167 | 0.0000 | 0.0000 | 89.051 | 0.62178 | 0.00000 | 316523.1 | 125171.9 | 100632.1 | S |
| 27.175 | 0.0000 | 0.0000 | 89.050 | 0.62149 | 0.00000 | 316523.1 | 125190.6 | 100632.1 | S |
| 27.183 | 0.0000 | 0.0000 | 89.050 | 0.62119 | 0.00000 | 316523.1 | 125209.2 | 100632.1 | S |
| 27.192 | 0.0000 | 0.0000 | 89.049 | 0.62090 | 0.00000 | 316523.1 | 125227.8 | 100632.1 | S |
| 27.200 | 0.0000 | 0.0000 | 89.048 | 0.62061 | 0.00000 | 316523.1 | 125246.5 | 100632.1 | S |
| 27.208 | 0.0000 | 0.0000 | 89.048 | 0.62031 | 0.00000 | 316523.1 | 125265.1 | 100632.1 | S |
| 27.217 | 0.0000 | 0.0000 | 89.047 | 0.62002 | 0.00000 | 316523.1 | 125283.7 | 100632.1 | S |
| 27.225 | 0.0000 | 0.0000 | 89.046 | 0.61973 | 0.00000 | 316523.1 | 125302.3 | 100632.1 | S |
| 27.233 | 0.0000 | 0.0000 | 89.045 | 0.61944 | 0.00000 | 316523.1 | 125320.9 | 100632.1 | S |
| 27.242 | 0.0000 | 0.0000 | 89.045 | 0.61915 | 0.00000 | 316523.1 | 125339.4 | 100632.1 | S |
| 27.250 | 0.0000 | 0.0000 | 89.044 | 0.61886 | 0.00000 | 316523.1 | 125358.0 | 100632.1 | S |
| 27.258 | 0.0000 | 0.0000 | 89.043 | 0.61857 | 0.00000 | 316523.1 | 125376.6 | 100632.1 | S |
| 27.267 | 0.0000 | 0.0000 | 89.043 | 0.61828 | 0.00000 | 316523.1 | 125395.1 | 100632.1 | S |
| 27.275 | 0.0000 | 0.0000 | 89.042 | 0.61799 | 0.00000 | 316523.1 | 125413.7 | 100632.1 | S |
| 27.283 | 0.0000 | 0.0000 | 89.041 | 0.61770 | 0.00000 | 316523.1 | 125432.2 | 100632.1 | S |
| 27.292 | 0.0000 | 0.0000 | 89.040 | 0.61741 | 0.00000 | 316523.1 | 125450.7 | 100632.1 | S |
| 27.300 | 0.0000 | 0.0000 | 89.040 | 0.61712 | 0.00000 | 316523.1 | 125469.3 | 100632.1 | S |
| 27.308 | 0.0000 | 0.0000 | 89.039 | 0.61683 | 0.00000 | 316523.1 | 125487.8 | 100632.1 | S |
| 27.317 | 0.0000 | 0.0000 | 89.038 | 0.61655 | 0.00000 | 316523.1 | 125506.3 | 100632.1 | S |
| 27.325 | 0.0000 | 0.0000 | 89.038 | 0.61626 | 0.00000 | 316523.1 | 125524.8 | 100632.1 | S |
| 27.333 | 0.0000 | 0.0000 | 89.037 | 0.61597 | 0.00000 | 316523.1 | 125543.2 | 100632.1 | S |
| 27.342 | 0.0000 | 0.0000 | 89.036 | 0.61568 | 0.00000 | 316523.1 | 125561.7 | 100632.1 | S |
| 27.350 | 0.0000 | 0.0000 | 89.035 | 0.61540 | 0.00000 | 316523.1 | 125580.2 | 100632.1 | S |
| 27.358 | 0.0000 | 0.0000 | 89.035 | 0.61511 | 0.00000 | 316523.1 | 125598.6 | 100632.1 | S |
| 27.367 | 0.0000 | 0.0000 | 89.034 | 0.61482 | 0.00000 | 316523.1 | 125617.1 | 100632.7 | S |
| 27.375 | 0.0000 | 0.0000 | 89.033 | 0.61454 | 0.00000 | 316523.1 | 125635.5 | 100632.1 | S |
| 27.383 | 0.0000 | 0.0000 | 89.033 | 0.61425 | 0.00000 | 316523.1 | 125654.0 | 100632.1 | S |
| 27.392 | 0.0000 | 0.0000 | 89.032 | 0.61397 | 0.00000 | 316523.1 | 125672.4 | 100632.1 | S |
| 27.400 | 0.0000 | 0.0000 | 89.031 | 0.61368 | 0.00000 | 316523.1 | 125690.8 | 100632.1 | S |
| 27.408 | 0.0000 | 0.0000 | 89.030 | 0.61340 | 0.00000 | 316523.1 | 125709.2 | 100632.1 | S |
| 27.417 | 0.0000 | 0.0000 | 89.030 | 0.61311 | 0.00000 | 316523.1 | 125727.6 | 100632.1 | S |
| 27.425 | 0.0000 | 0.0000 | 89.029 | 0.61283 | 0.00000 | 316523.1 | 125746.0 | 100632.1 | S |
| 27.433 | 0.0000 | 0.0000 | 89.028 | 0.61255 | 0.00000 | 316523.1 | 125764.4 | 100632.1 | S |
| 27.442 | 0.0000 | 0.0000 | 89.028 | 0.61226 | 0.00000 | 316523.1 | 125782.7 | 100632.1 | S |
| 27.450 | 0.0000 | 0.0000 | 89.027 | 0.61198 | 0.00000 | 316523.1 | 125801.1 | 100632.1 | S |
| 27.458 | 0.0000 | 0.0000 | 89.026 | 0.61170 | 0.00000 | 316523.1 | 125819.5 | 100632.1 | S |
| 27.467 | 0.0000 | 0.0000 | 89.025 | 0.61141 | 0.00000 | 316523.1 | 125837.8 | 100632.1 | S |
| 27.475 | 0.0000 | 0.0000 | 89.025 | 0.61113 | 0.00000 | 316523.1 | 125856.1 | 100632.1 | S |
| 27.483 | 0.0000 | 0.0000 | 89.024 | 0.61085 | 0.00000 | 316523.1 | 125874.5 | 100632.1 | S |
| 27.492 | 0.0000 | 0.0000 | 89.023 | 0.61057 | 0.00000 | 316523.1 | 125892.8 | 100632.1 | S |
| 27.500 | 0.0000 | 0.0000 | 89.023 | 0.61029 | 0.00000 | $3 ¢ 6523.1$ | 125911.1 | 100632.1 | S |
| 27.508 | 0.0000 | 0.0000 | 89.022 | 0.61001 | 0.00000 | 316523.1 | 125929.4 | 100632.1 | S |
| 27.517 | 0.0000 | 0.0000 | 89.021 | 0.60973 | 0.00000 | 316523.1 | 125947.7 | 100632.1 | S |
| 27.525 | 0.0000 | 0.0000 | 89.020 | 0.60945 | 0.00000 | 316523.1 | 125966.0 | 100632.1 | S |
| 27.533 | 0.0000 | 0.0000 | 89.020 | 0.60917 | 0.00000 | 316523.1 | 125984.3 | 100632.1 | S |
| 27.542 | 0.0000 | 0.0000 | 89.019 | 0.60889 | 0.00000 | 316523.1 | 126002.5 | 100632.1 | S |
| 27.550 | 0.0000 | 0.0000 | 89.018 | 0.60861 | 0.00000 | 316523.1 | 126020.8 | 100632.1 | S |
| 27.558 | 0.0000 | 0.0000 | 89.018 | 0.60833 | 0.00000 | 316523.1 | 126039.1 | 100632.1 | S |
| 27.567 | 0.0000 | 0.0000 | 89.017 | 0.60805 | 0.00000 | 316523.1 | 126057.3 | 100632.1 | S |
| 27.575 | 0.0000 | 0.0000 | 89.016 | 0.60777 | 0.00000 | 316523.1 | 126075.5 | 100632.1 | S |
| 27.583 | 0.0000 | 0.0000 | 89.016 | 0.60749 | 0.00000 | 316523.1 | 126093.8 | 100632.1 | S |
| 27.592 | 0.0000 | 0.0000 | 89.015 | 0.60721 | 0.00000 | 316523.1 | 126112.0 | 100632.1 | S |
| 27.600 | 0.0000 | 0.0000 | 89.014 | 0.60694 | 0.00000 | 316523.1 | 126130.2 | 100632.1 | S |
| 27.608 | 0.0000 | 0.0000 | 89.013 | 0.60666 | 0.00000 | 316523.1 | 126148.4 | 100632.1 | S |
| 27.617 | 0.0000 | 0.0000 | 89.013 | 0.60638 | 0.00000 | 316523.1 | 126166.6 | 100632.1 | S |
| 27.625 | 0.0000 | 0.0000 | 89.012 | 0.60610 | 0.00000 | 316523.1 | 126184.8 | 100632.1 | S |
| 27.633 | 0.0000 | 0.0000 | 89.011 | 0.60583 | 0.00000 | 316523.1 | 126203.0 | 100632.1 | S |
| 27.642 | 0.0000 | 0.0000 | 89.011 | 0.60555 | 0.00000 | 316523.1 | 126221.1 | 100632.1 | S |
| 27.650 | 0.0000 | 0.0000 | 89.010 | 0.60528 | 0.00000 | 316523.1 | 126239.3 | 100632.1 | S |
| 27.658 | 0.0000 | 0.0000 | 89.009 | 0.60500 | 0.00000 | 316523.1 | 126257.5 | 100632.1 | S |
| 27.667 | 0.0000 | 0.0000 | 89.008 | 0.60472 | 0.00000 | 316523.1 | 126275.6 | 100632.1 | S |
| 27.675 | 0.0000 | 0.0000 | 89.008 | 0.60445 | 0.00000 | 316523.1 | 126293.7 | 100632.1 | S |
| 27.683 | 0.0000 | 0.0000 | 89.007 | 0.60418 | 0.00000 | 316523.1 | 126311.9 | 100632.1 | S |
| 27.692 | 0.0000 | 0.0000 | 89.006 | 0.60390 | 0.00000 | 316523.7 | 126330.0 | 100632.1 | S |
| 27.700 | 0.0000 | 0.0000 | 89.006 | 0.60363 | 0.00000 | 316523.1 | 126348.1 | 100632.1 | S |
| 27.708 | 0.0000 | 0.0000 | 89.005 | 0.60335 | 0.00000 | 316523.1 | 126366.2 | 100632.1 | S |
| 27.717 | 0.0000 | 0.0000 | 89.004 | 0.60308 | 0.00000 | 316523.1 | 126384.3 | 100632.1 | S |
| 27.725 | 0.0000 | 0.0000 | 89.004 | 0.60281 | 0.00000 | 316523.1 | 126402.4 | 100632.1 | S |
| 27.733 | 0.0000 | 0.0000 | 89.003 | 0.60253 | 0.00000 | 316523.1 | 126420.5 | 100632.1 | S |
| 27.742 | 0.0000 | 0.0000 | 89.002 | 0.60226 | 0.00000 | 316523.1 | 126438.5 | 100632.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overlow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 27.750 | 0.0000 | 0.0000 | 89.001 | 0.60199 | 0.00000 | 316523.1 | 126456.6 | 100632.1 | S |
| 27.758 | 0.0000 | 0.0000 | 89.001 | 0.60172 | 0.00000 | 316523.1 | 126474.7 | 100632.1 | S |
| 27.767 | 0.0000 | 0.0000 | 89.000 | 0.60144 | 0.00000 | 316523.1 | 126492.7 | 100632.1 | S |
| 27.775 | 0.0000 | 0.0000 | 88.999 | 0.60117 | 0.00000 | 316523.1 | 126510.8 | 100632.1 | S |
| 27.783 | 0.0000 | 0.0000 | 88.999 | 0.60090 | 0.00000 | 316523.1 | 126528.8 | 100632.1 | S |
| 27.792 | 0.0000 | 0.0000 | 88.998 | 0.60063 | 0.00000 | 316523.1 | 126546.8 | 100632.1 | S |
| 27.800 | 0.0000 | 0.0000 | 88.997 | 0.60036 | 0.00000 | 316523.1 | 126564.8 | 100632.1 | S |
| 27.808 | 0.0000 | 0.0000 | 88.997 | 0.60009 | 0.00000 | 316523.1 | 126582.8 | 100632.1 | S |
| 27.817 | 0.0000 | 0.0000 | 88.996 | 0.59982 | 0.00000 | 316523.1 | 126600.8 | 100632.1 | S |
| 27.825 | 0.0000 | 0.0000 | 88.995 | 0.59955 | 0.00000 | 316523.1 | 126618.8 | 100632.1 | S |
| 27.833 | 0.0000 | 0.0000 | 88.994 | 0.59928 | 0.00000 | 316523.1 | 126636.8 | 100632.1 | S |
| 27.842 | 0.0000 | 0.0000 | 88.994 | 0.59901 | 0.00000 | 316523.1 | 126654.8 | 100632.7 | S |
| 27.850 | 0.0000 | 0.0000 | 88.993 | 0.59874 | 0.00000 | 316523.1 | 126672.7 | 100632.1 | S |
| 27.858 | 0.0000 | 0.0000 | 88.992 | 0.59847 | 0.00000 | 316523.1 | 126690.7 | 100632.1 | S |
| 27.867 | 0.0000 | 0.0000 | 88.992 | 0.59820 | 0.00000 | 316523.1 | 126708.6 | 100632.1 | S |
| 27.875 | 0.0000 | 0.0000 | 88.991 | 0.59794 | 0.00000 | 316523.1 | 126726.6 | 100632.1 | S |
| 27.883 | 0.0000 | 0.0000 | 88.990 | 0.59767 | 0.00000 | 316523.1 | 126744.5 | 100632.1 | S |
| 27.892 | 0.0000 | 0.0000 | 88.990 | 0.59740 | 0.00000 | 316523.1 | 126762.5 | 100632.1 | S |
| 27.900 | 0.0000 | 0.0000 | 88.989 | 0.59713 | 0.00000 | 316523.1 | 126780.4 | 100632.1 | S |
| 27.908 | 0.0000 | 0.0000 | 88.988 | 0.59687 | 0.00000 | 316523.1 | 126798.3 | 100632.1 | S |
| 27.917 | 0.0000 | 0.0000 | 88.987 | 0.59660 | 0.00000 | 316523.1 | 126816.2 | 100632.1 | S |
| 27.925 | 0.0000 | 0.0000 | 88.987 | 0.59633 | 0.00000 | 316523.1 | 126834.1 | 100632.1 | S |
| 27.933 | 0.0000 | 0.0000 | 88.986 | 0.59607 | 0.00000 | 316523.1 | 126852.0 | 100632.1 | S |
| 27.942 | 0.0000 | 0.0000 | 88.985 | 0.59580 | 0.00000 | 316523.1 | 126869.8 | 100632.1 | S |
| 27.950 | 0.0000 | 0.0000 | 88.985 | 0.59553 | 0.00000 | 316523.1 | 126887.7 | 100632.1 | S |
| 27.958 | 0.0000 | 0.0000 | 88.984 | 0.59527 | 0.00000 | 316523.1 | 126905.6 | 100632.1 | S |
| 27.967 | 0.0000 | 0.0000 | 88.983 | 0.59500 | 0.00000 | 316523.1 | 126923.4 | 100632.1 | S |
| 27.975 | 0.0000 | 0.0000 | 88.983 | 0.59474 | 0.00000 | 316523.1 | 126941.3 | 100632.1 | S |
| 27.983 | 0.0000 | 0.0000 | 88.982 | 0.59447 | 0.00000 | 316523.1 | 126959.1 | 100632.1 | S |
| 27.992 | 0.0000 | 0.0000 | 88.981 | 0.59421 | 0.00000 | 316523.1 | 126976.9 | 100632.1 | S |
| 28.000 | 0.0000 | 0.0000 | 88.980 | 0.59395 | 0.00000 | 316523.1 | 126994.8 | 100632.1 | S |
| 28.008 | 0.0000 | 0.0000 | 88.980 | 0.59368 | 0.00000 | 316523.1 | 127012.6 | 100632.1 | S |
| 28.017 | 0.0000 | 0.0000 | 88.979 | 0.59342 | 0.00000 | 316523.1 | 127030.4 | 100632.1 | S |
| 28.025 | 0.0000 | 0.0000 | 88.978 | 0.59316 | 0.00000 | 316523.1 | 127048.2 | 100632.1 | S |
| 28.033 | 0.0000 | 0.0000 | 88.978 | 0.59289 | 0.00000 | 316523.1 | 127066.0 | 100632.1 | S |
| 28.042 | 0.0000 | 0.0000 | 88.977 | 0.59263 | 0.00000 | 316523.1 | 127083.8 | 100632.1 | S |
| 28.050 | 0.0000 | 0.0000 | 88.976 | 0.59237 | 0.00000 | 316523.1 | 127101.5 | 100632.1 | S |
| 28.058 | 0.0000 | 0.0000 | 88.976 | 0.59210 | 0.00000 | 316523.1 | 127119.3 | 100632.1 | S |
| 28.067 | 0.0000 | 0.0000 | 88.975 | 0.59184 | 0.00000 | 316523.1 | 127137.1 | 100632.1 | S |
| 28.075 | 0.0000 | 0.0000 | 88.974 | 0.59158 | 0.00000 | 316523.1 | 127154.8 | 100632.1 | S |
| 28.083 | 0.0000 | 0.0000 | 88.974 | 0.59132 | 0.00000 | 316523.1 | 127172.6 | 100632.1 | S |
| 28.092 | 0.0000 | 0.0000 | 88.973 | 0.59106 | 0.00000 | 316523.1 | 127190.3 | 100632.1 | S |
| 28.100 | 0.0000 | 0.0000 | 88.972 | 0.59080 | 0.00000 | 316523.1 | 127208.0 | 100632.1 | S |
| 28.108 | 0.0000 | 0.0000 | 88.971 | 0.59054 | 0.00000 | 316523.1 | 127225.7 | 100632.1 | S |
| 28.117 | 0.0000 | 0.0000 | 88.971 | 0.59028 | 0.00000 | 316523.1 | 127243.4 | 100632.1 | S |
| 28.125 | 0.0000 | 0.0000 | 88.970 | 0.59002 | 0.00000 | 316523.1 | 127261.1 | 100632.1 | S |
| 28.133 | 0.0000 | 0.0000 | 88.969 | 0.58976 | 0.00000 | 316523.1 | 127278.9 | 100632.1 | S |
| 28.142 | 0.0000 | 0.0000 | 88.969 | 0.58950 | 0.00000 | 316523.1 | 127296.5 | 100632.1 | S |
| 28.150 | 0.0000 | 0.0000 | 88.968 | 0.58924 | 0.00000 | 316523.1 | 127314.2 | 100632.1 | S |
| 28.158 | 0.0000 | 0.0000 | 88.967 | 0.58898 | 0.00000 | 316523.1 | 127331.9 | 100632.1 | S |
| 28.167 | 0.0000 | 0.0000 | 88.967 | 0.58872 | 0.00000 | 316523.1 | \{27349.6 | 100632.1 | S |
| 28.175 | 0.0000 | 0.0000 | 88.966 | 0.58846 | 0.00000 | 316523.1 | 127367.2 | 100632.1 | S |
| 28.183 | 0.0000 | 0.0000 | 88.965 | 0.58820 | 0.00000 | 316523.1 | 127384.9 | 100632.1 | S |
| 28.192 | 0.0000 | 0.0000 | 88.965 | 0.58795 | 0.00000 | 316523.1 | 127402.5 | 100632.1 | S |
| 28.200 | 0.0000 | 0.0000 | 88.964 | 0.58769 | 0.00000 | 316523.1 | 127420.1 | 100632.1 | S |
| 28.208 | 0.0000 | 0.0000 | 88.963 | 0.58743 | 0.00000 | 316523.1 | 127437.8 | 100632.1 | S |
| 28.217 | 0.0000 | 0.0000 | 88.963 | 0.58717 | 0.00000 | 316523.1 | 127455.4 | 100632.1 | S |
| 28.225 | 0.0000 | 0.0000 | 88.962 | 0.58692 | 0.00000 | 316523.1 | 127473.0 | 100632.1 | S |
| 28.233 | 0.0000 | 0.0000 | 88.961 | 0.58666 | 0.00000 | 316523.1 | 127490.6 | 100632.1 | S |
| 28.242 | 0.0000 | 0.0000 | 88.960 | 0.58640 | 0.00000 | 316523.1 | 127508.2 | 100632.1 | S |
| 28.250 | 0.0000 | 0.0000 | 88.960 | 0.58615 | 0.00000 | 316523.1 | 127525.8 | 100632.1 | S |
| 28.258 | 0.0000 | 0.0000 | 88.959 | 0.58589 | 0.00000 | 316523.1 | 127543.4 | 100632.1 | S |
| 28.267 | 0.0000 | 0.0000 | 88.958 | 0.58563 | 0.00000 | 316523.1 | 127560.9 | 100632.1 | S |
| 28.275 | 0.0000 | 0.0000 | 88.958 | 0.58538 | 0.00000 | 316523.1 | 127578.5 | 100632.1 | S |
| 28.283 | 0.0000 | 0.0000 | 88.957 | 0.58512 | 0.00000 | 316523.1 | 127596.1 | 100632.1 | S |
| 28.292 | 0.0000 | 0.0000 | 88.956 | 0.58487 | 0.00000 | 316523.1 | 127613.6 | 100632.1 | S |
| 28.300 | 0.0000 | 0.0000 | 88.956 | 0.58461 | 0.00000 | 316523.1 | 127637.2 | 100632.1 | S |
| 28.308 | 0.0000 | 0.0000 | 88.955 | 0.58436 | 0.00000 | 316523.1 | 127648.7 | 100632.1 | S |
| 28.317 | 0.0000 | 0.0000 | 88.954 | 0.58411 | 0.00000 | 316523.1 | 127666.2 | 100632.1 | S |
| 28.325 | 0.0000 | 0.0000 | 88.954 | 0.58385 | 0.00000 | 316523.1 | 127683.7 | 100632.1 | S |
| 28.333 | 0.0000 | 0.0000 | 88.953 | 0.58360 | 0.00000 | 316523.1 | 127701.3 | 100632.1 | S |
| 28.342 | 0.0000 | 0.0000 | 88.952 | 0.58335 | 0.00000 | 316523.1 | 127718.8 | 100632.1 | S |
| 28.350 | 0.0000 | 0.0000 | 88.952 | 0.58309 | 0.00000 | 316523.1 | 127736.3 | 100632.1 | S |
| 28.358 | 0.0000 | 0.0000 | 88.951 | 0.58284 | 0.00000 | 316523.1 | 127753.7 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation ( 11 datum) | infitration Rate (f13/s) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative fnflow Volume ( $\mathrm{ff}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 28.367 | 0.0000 | 0.0000 | 88.950 | 0.58259 | 0.00000 | 316523.1 | 127771.2 | 100632.1 | S |
| 28.375 | 0.0000 | 0.0000 | 88.949 | 0.58233 | 0.00000 | 316523.1 | 127788.7 | 100632.1 | S |
| 28.383 | 0.0000 | 0.0000 | 88.949 | 0.58208 | 0.00000 | 316523.1 | 127806.2 | 100632.1 | S |
| 28.392 | 0.0000 | 0.0000 | 88.948 | 0.58183 | 0.00000 | 316523.1 | 127823.6 | 100632.1 | S |
| 28.400 | 0.0000 | 0.0000 | 88.947 | 0.58158 | 0.00000 | 316523.1 | 127841.1 | 100632.1 | S |
| 28.408 | 0.0000 | 0.0000 | 88.947 | 0.58133 | 0.00000 | 316523.1 | 127858.5 | 100632.1 | S |
| 28.417 | 0.0000 | 0.0000 | 88.946 | 0.58108 | 0.00000 | 316523.1 | 127875.9 | 100632.1 | S |
| 28.425 | 0.0000 | 0.0000 | 88.945 | 0.58082 | 0.00000 | 316523.1 | 127893.4 | 100632.1 | S |
| 28.433 | 0.0000 | 0.0000 | 88.945 | 0.58057 | 0.00000 | 316523.1 | 127910.8 | 100632.1 | S |
| 28.442 | 0.0000 | 0.0000 | 88.944 | 0.58032 | 0.00000 | 316523.1 | 127928.2 | 100632.1 | S |
| 28.450 | 0.0000 | 0.0000 | 88.943 | 0.58007 | 0.00000 | 316523.1 | 127945.6 | 100632.1 | S |
| 28.458 | 0.0000 | 0.0000 | 88.943 | 0.57982 | 0.00000 | 316523.1 | 127963.0 | 100632.1 | S |
| 28.467 | 0.0000 | 0.0000 | 88.942 | 0.57957 | 0.00000 | 316523.1 | 127980.4 | 100632.1 | S |
| 28.475 | 0.0000 | 0.0000 | 88.941 | 0.57932 | 0.00000 | 316523.1 | 127997.8 | 100632.1 | S |
| 28.483 | 0.0000 | 0.0000 | 88.941 | 0.57907 | 0.00000 | 316523.1 | 128015.2 | 100632.1 | S |
| 28.492 | 0.0000 | 0.0000 | 88.940 | 0.57883 | 0.00000 | 316523.1 | 128032.5 | 100632.1 | S |
| 28.500 | 0.0000 | 0.0000 | 88.939 | 0.57858 | 0.00000 | 316523.1 | 128049.9 | 100632.1 | S |
| 28.508 | 0.0000 | 0.0000 | 88.939 | 0.57833 | 0.00000 | 316523.1 | 128067.3 | 100632.1 | S |
| 28.517 | 0.0000 | 0.0000 | 88.938 | 0.57808 | 0.00000 | 316523.1 | 128084.6 | 100632.1 | S |
| 28.525 | 0.0000 | 0.0000 | 88.937 | 0.57783 | 0.00000 | 316523.1 | 128101.9 | 100632.1 | S |
| 28.533 | 0.0000 | 0.0000 | 88.937 | 0.57758 | 0.00000 | 316523.1 | 128119.3 | 100632.1 | S |
| 28.542 | 0.0000 | 0.0000 | 88.936 | 0.57734 | 0.00000 | 316523.1 | 128136.6 | 100632.1 | S |
| 28.550 | 0.0000 | 0.0000 | 88.935 | 0.57709 | 0.00000 | 316523.1 | 128153.9 | 100632.1 | S |
| 28.558 | 0.0000 | 0.0000 | 88.935 | 0.57684 | 0.00000 | 316523.1 | 128171.2 | 100632.1 | S |
| 28.567 | 0.0000 | 0.0000 | 88.934 | 0.57660 | 0.00000 | 316523.1 | 128188.5 | 100632.1 | S |
| 28.575 | 0.0000 | 0.0000 | 88.933 | 0.57635 | 0.00000 | 316523.1 | 128205.8 | 100632.1 | S |
| 28.583 | 0.0000 | 0.0000 | 88.932 | 0.57610 | 0.00000 | 316523.1 | 128223.1 | 100632.1 | S |
| 28.592 | 0.0000 | 0.0000 | 88.932 | 0.57586 | 0.00000 | 316523.1 | 128240.4 | 100632.1 | S |
| 28.600 | 0.0000 | 0.0000 | 88.931 | 0.57561 | 0.00000 | 316523.1 | 128257.6 | 100632.1 | S |
| 28.608 | 0.0000 | 0.0000 | 88.930 | 0.57537 | 0.00000 | 316523.1 | 128274.9 | 100632.1 | S |
| 28.617 | 0.0000 | 0.0000 | 88.930 | 0.57512 | 0.00000 | 316523.1 | 128292.2 | 100632.1 | S |
| 28.625 | 0.0000 | 0.0000 | 88.929 | 0.57487 | 0.00000 | 316523.1 | 128309.4 | 100632.1 | S |
| 28.633 | 0.0000 | 0.0000 | 88.928 | 0.57463 | 0.00000 | 316523.1 | 128326.7 | 100632.1 | S |
| 28.642 | 0.0000 | 0.0000 | 88.928 | 0.57438 | 0.00000 | 316523.1 | 128343.9 | 100632.1 | S |
| 28.650 | 0.0000 | 0.0000 | 88.927 | 0.57414 | 0.00000 | 316523.1 | 128361.1 | 100632.1 | S |
| 28.658 | 0.0000 | 0.0000 | 88.926 | 0.57390 | 0.00000 | 316523.1 | 128378.3 | 100632.1 | S |
| 28.667 | 0.0000 | 0.0000 | 88.926 | 0.57365 | 0.00000 | 316523.1 | 128395.6 | 100632.1 | S |
| 28.675 | 0.0000 | 0.0000 | 88.925 | 0.57341 | 0.00000 | 316523.1 | 128412.8 | 100632.1 | S |
| 28.683 | 0.0000 | 0.0000 | 88.924 | 0.57316 | 0.00000 | 316523.1 | 128430.0 | 100632.1 | S |
| 28.692 | 0.0000 | 0.0000 | 88.924 | 0.57292 | 0.00000 | 316523.1 | 128447.2 | 100632.1 | S |
| 28.700 | 0.0000 | 0.0000 | 88.923 | 0.57268 | 0.00000 | 316523.1 | 128464.3 | 100632.1 | S |
| 28.708 | 0.0000 | 0.0000 | 88.922 | 0.57244 | 0.00000 | 316523.1 | 128481.5 | 100632.1 | S |
| 28.717 | 0.0000 | 0.0000 | 88.922 | 0.57219 | 0.00000 | 316523.1 | 128498.7 | 100632.1 | S |
| 28.725 | 0.0000 | 0.0000 | 88.921 | 0.57195 | 0.00000 | 316523.1 | 128515.8 | 100632.1 | S |
| 28.733 | 0.0000 | 0.0000 | 88.920 | 0.57171 | 0.00000 | 316523.1 | 128533.0 | 100632.1 | S |
| 28.742 | 0.0000 | 0.0000 | 88.920 | 0.57147 | 0.00000 | 316523.1 | 128550.1 | 100632.1 | S |
| 28.750 | 0.0000 | 0.0000 | 88.919 | 0.57123 | 0.00000 | 316523.1 | 128567.3 | 100632.1 | S |
| 28.758 | 0.0000 | 0.0000 | 88.918 | 0.57098 | 0.00000 | 316523.1 | 128584.4 | 100632.1 | S |
| 28.767 | 0.0000 | 0.0000 | 88.918 | 0.57074 | 0.00000 | 316523.1 | 128601.5 | 100632.1 | S |
| 28.775 | 0.0000 | 0.0000 | 88.917 | 0.57050 | 0.00000 | 316523.1 | 128618.7 | 100632.1 | S |
| 28.783 | 0.0000 | 0.0000 | 88.916 | 0.57026 | 0.00000 | 316523.1 | 128635.8 | 100632.1 | S |
| 28.792 | 0.0000 | 0.0000 | 88.916 | 0.57002 | 0.00000 | 316523.1 | 128652.9 | 100632.1 | S |
| 28.800 | 0.0000 | 0.0000 | 88.915 | 0.56978 | 0.00000 | 316523.1 | 128670.0 | 100632.1 | S |
| 28.808 | 0.0000 | 0.0000 | 88.914 | 0.56954 | 0.00000 | 316523.1 | 128687.1 | 100632.7 | S |
| 28.817 | 0.0000 | 0.0000 | 88.914 | 0.56930 | 0.00000 | 316523.1 | 128704.2 | 100632.1 | S |
| 28.825 | 0.0000 | 0.0000 | 88.913 | 0.56906 | 0.00000 | 316523.1 | 128721.2 | 100632.1 | S |
| 28.833 | 0.0000 | 0.0000 | 88.912 | 0.56882 | 0.00000 | 316523.1 | 128738.3 | 100632.1 | S |
| 28.842 | 0.0000 | 0.0000 | 88.912 | 0.56858 | 0.00000 | 316523.1 | 128755.4 | 100632.1 | S |
| 28.850 | 0.0000 | 0.0000 | 88.911 | 0.56834 | 0.00000 | 316523.1 | 128772.4 | 100632.1 | S |
| 28.858 | 0.0000 | 0.0000 | 88.910 | 0.56810 | 0.00000 | 316523.1 | 128789.5 | 100632.1 | S |
| 28.867 | 0.0000 | 0.0000 | 88.910 | 0.56787 | 0.00000 | 316523.1 | 128806.5 | 100632.1 | S |
| 28.875 | 0.0000 | 0.0000 | 88.909 | 0.56763 | 0.00000 | 316523.1 | 128823.5 | 100632.1 | S |
| 28.883 | 0.0000 | 0.0000 | 88.908 | 0.56739 | 0.00000 | 316523.1 | 128840.6 | 100632.1 | S |
| 28.892 | 0.0000 | 0.0000 | 88.908 | 0.56715 | 0.00000 | 316523.1 | 128857.6 | 100632.1 | S |
| 28.900 | 0.0000 | 0.0000 | 88.907 | 0.56691 | 0.00000 | 316523.1 | 128874.6 | 100632.1 | S |
| 28.908 | 0.0000 | 0.0000 | 88.906 | 0.56668 | 0.00000 | 376523.1 | 128891.6 | 100632.1 | S |
| 28.917 | 0.0000 | 0.0000 | 88.906 | 0.56644 | 0.00000 | 316523.1 | 128908.6 | 100632.1 | S |
| 28.925 | 0.0000 | 0.0000 | 88.905 | 0.56620 | 0.00000 | 316523.1 | 128925.6 | 100632.1 | S |
| 28.933 | 0.0000 | 0.0000 | 88.904 | 0.56597 | 0.00000 | 316523.1 | 128942.6 | 100632.1 | S |
| 28.942 | 0.0000 | 0.0000 | 88.904 | 0.56573 | 0.00000 | 316523.1 | 128959.5 | 100632.1 | S |
| 28.950 | 0.0000 | 0.0000 | 88.903 | 0.56549 | 0.00000 | 316523.1 | 128976.5 | 100632.1 | S |
| 28.958 | 0.0000 | 0.0000 | 88.902 | 0.56526 | 0.00000 | 316523.1 | 128993.5 | 100632.1 | S |
| 28.967 | 0.0000 | 0.0000 | 88.902 | 0.56502 | 0.00000 | 316523.1 | 129010.4 | 100632.1 | S |
| 28.975 | 0.0000 | 0.0000 | 88.901 | 0.56479 | 0.00000 | 316523.1 | 129027.4 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | $\begin{aligned} & \text { Flow } \\ & \text { Type } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 28.983 | 0.0000 | 0.0000 | 88.900 | 0.56455 | 0.00000 | 316523.1 | 129044.3 | 100632.1 | S |
| 28.992 | 0.0000 | 0.0000 | 88.900 | 0.56431 | 0.00000 | 316523.1 | 129061.2 | 100632.1 | S |
| 29.000 | 0.0000 | 0.0000 | 88.899 | 0.56408 | 0.00000 | 316523.1 | 129078.2 | 100632.1 | S |
| 29.008 | 0.0000 | 0.0000 | 88.898 | 0.56385 | 0.00000 | 316523.1 | 129095.1 | 100632.1 | S |
| 29.017 | 0.0000 | 0.0000 | 88.898 | 0.56361 | 0.00000 | 316523.1 | 129112.0 | 100632.1 | S |
| 29.025 | 0.0000 | 0.0000 | 88.897 | 0.56338 | 0.00000 | 316523.1 | 129128.9 | 100632.1 | S |
| 29.033 | 0.0000 | 0.0000 | 88.896 | 0.56314 | 0.00000 | 316523.1 | 129145.8 | 100632.1 | S |
| 29.042 | 0.0000 | 0.0000 | 88.896 | 0.56291 | 0.00000 | 316523.1 | 129162.7 | 100632.1 | S |
| 29.050 | 0.0000 | 0.0000 | 88.895 | 0.56267 | 0.00000 | 316523.1 | 129179.6 | 100632.1 | S |
| 29.058 | 0.0000 | 0.0000 | 88.894 | 0.56244 | 0.00000 | 316523.1 | 129196.4 | 100632.1 | S |
| 29.067 | 0.0000 | 0.0000 | 88.894 | 0.56221 | 0.00000 | 316523.1 | 129213.3 | 100632.1 | S |
| 29.075 | 0.0000 | 0.0000 | 88.893 | 0.56198 | 0.00000 | 316523.1 | 129230.2 | 100632.1 | S |
| 29.083 | 0.0000 | 0.0000 | 88.892 | 0.56174 | 0.00000 | 316523.1 | 129247.0 | 100632.1 | 5 |
| 29.092 | 0.0000 | 0.0000 | 88.892 | 0.56151 | 0.00000 | 316523.1 | 129263.9 | 100632.1 | S |
| 29.100 | 0.0000 | 0.0000 | 88.891 | 0.56128 | 0.00000 | 316523.1 | 129280.7 | 100632.1 | S |
| 29.108 | 0.0000 | 0.0000 | 88.890 | 0.56105 | 0.00000 | 316523.1 | 129297.6 | 100632.1 | S |
| 29.117 | 0.0000 | 0.0000 | 88.890 | 0.56081 | 0.00000 | 316523.1 | 129314.4 | 100632.1 | S |
| 29.125 | 0.0000 | 0.0000 | 88.889 | 0.56058 | 0.00000 | 316523.1 | 129331.2 | 100632.1 | S |
| 29.133 | 0.0000 | 0.0000 | 88.888 | 0.56035 | 0.00000 | 316523.1 | 129348.0 | 100632.1 | S |
| 29.142 | 0.0000 | 0.0000 | 88.888 | 0.56012 | 0.00000 | 316523.1 | 129364.8 | 100632.1 | S |
| 29.150 | 0.0000 | 0.0000 | 88.887 | 0.55989 | 0.00000 | 316523.1 | 129381.6 | 100632.1 | S |
| 29.158 | 0.0000 | 0.0000 | 88.886 | 0.55966 | 0.00000 | 316523.1 | 129398.4 | 100632.1 | S |
| 29.167 | 0.0000 | 0.0000 | 88.886 | 0.55943 | 0.00000 | 316523.1 | 129415.2 | 100632.1 | S |
| 29.175 | 0.0000 | 0.0000 | 88.885 | 0.55920 | 0.00000 | 316523.1 | 129432.0 | 100632.1 | S |
| 29.183 | 0.0000 | 0.0000 | 88.884 | 0.55897 | 0.00000 | 316523.1 | 129448.8 | 100632.1 | 5 |
| 29.192 | 0.0000 | 0.0000 | 88.884 | 0.55874 | 0.00000 | 316523.1 | 129465.5 | 100632.1 | S |
| 29.200 | 0.0000 | 0.0000 | 88.883 | 0.55851 | 0.00000 | 316523.1 | 129482.3 | 100632.1 | S |
| 29.208 | 0.0000 | 0.0000 | 88.882 | 0.55828 | 0.00000 | 316523.1 | 129499.0 | 100632.1 | S |
| 29.217 | 0.0000 | 0.0000 | 88.882 | 0.55805 | 0.00000 | 316523.1 | 129515.8 | 100632.1 | S |
| 29.225 | 0.0000 | 0.0000 | 88.881 | 0.55782 | 0.00000 | 316523.1 | 129532.5 | 100632.1 | S |
| 29.233 | 0.0000 | 0.0000 | 88.880 | 0.55759 | 0.00000 | 316523.1 | 129549.3 | 100632.1 | S |
| 29.242 | 0.0000 | 0.0000 | 88.880 | 0.55736 | 0.00000 | 316523.1 | 129566.0 | 100632.1 | S |
| 29.250 | 0.0000 | 0.0000 | 88.879 | 0.55713 | 0.00000 | 316523.1 | 129582.7 | 100632.1 | 5 |
| 29.258 | 0.0000 | 0.0000 | 88.878 | 0.55690 | 0.00000 | 316523.1 | 129599.4 | 100632.1 | S |
| 29.267 | 0.0000 | 0.0000 | 88.878 | 0.55667 | 0.00000 | 316523.1 | 129616.1 | 100632.1 | S |
| 29.275 | 0.0000 | 0.0000 | 88.877 | 0.55645 | 0.00000 | 316523.1 | 129632.8 | 100632.1 | S |
| 29.283 | 0.0000 | 0.0000 | 88.876 | 0.55622 | 0.00000 | 316523.1 | 129649.5 | 100632.1 | 5 |
| 29.292 | 0.0000 | 0.0000 | 88.876 | 0.55599 | 0.00000 | 316523.1 | 129666.2 | 100632.1 | S |
| 29.300 | 0.0000 | 0.0000 | 88.875 | 0.55576 | 0.00000 | 316523.1 | 129682.9 | 100632.1 | S |
| 29.308 | 0.0000 | 0.0000 | 88.874 | 0.55554 | 0.00000 | 316523.1 | 129699.5 | 100632.1 | S |
| 29.317 | 0.0000 | 0.0000 | 88.874 | 0.55531 | 0.00000 | 316523.1 | 129716.2 | 100632.1 | S |
| 29.325 | 0.0000 | 0.0000 | 88.873 | 0.55508 | 0.00000 | 316523.1 | 129732.8 | 100632.1 | S |
| 29.333 | 0.0000 | 0.0000 | 88.872 | 0.55486 | 0.00000 | 316523.1 | 129749.5 | 100632.1 | S |
| 29.342 | 0.0000 | 0.0000 | 88.872 | 0.55463 | 0.00000 | 316523.1 | 129766.1 | 100632.1 | S |
| 29.350 | 0.0000 | 0.0000 | 88.871 | 0.55440 | 0.00000 | 316523.1 | 129782.8 | 100632.1 | S |
| 29.358 | 0.0000 | 0.0000 | 88.870 | 0.55418 | 0.00000 | 316523.1 | 129799.4 | 100632.1 | S |
| 29.367 | 0.0000 | 0.0000 | 88.870 | 0.55395 | 0.00000 | 316523.1 | 129816.0 | 100632.1 | S |
| 29.375 | 0.0000 | 0.0000 | 88.869 | 0.55373 | 0.00000 | 316523.1 | 129832.6 | 100632.1 | S |
| 29.383 | 0.0000 | 0.0000 | 88.869 | 0.55350 | 0.00000 | 316523.1 | 129849.2 | 100632.1 | S |
| 29.392 | 0.0000 | 0.0000 | 88.868 | 0.55328 | 0.00000 | 316523.1 | 129865.8 | 100632.1 | S |
| 29.400 | 0.0000 | 0.0000 | 88.867 | 0.55305 | 0.00000 | 316523.1 | 129882.4 | 100632.1 | S |
| 29.408 | 0.0000 | 0.0000 | 88.867 | 0.55283 | 0.00000 | 316523.1 | 129899.0 | 100632.1 | S |
| 29.417 | 0.0000 | 0.0000 | 88.866 | 0.55260 | 0.00000 | 316523.1 | 129915.6 | 100632.1 | S |
| 29.425 | 0.0000 | 0.0000 | 88.865 | 0.55238 | 0.00000 | 316523.1 | 129932.2 | 100632.1 | S |
| 29.433 | 0.0000 | 0.0000 | 88.865 | 0.55216 | 0.00000 | 316523.1 | 129948.8 | 100632.1 | S |
| 29.442 | 0.0000 | 0.0000 | 88.864 | 0.55193 | 0.00000 | 316523.1 | 129965.3 | 100632.1 | S |
| 29.450 | 0.0000 | 0.0000 | 88.863 | 0.55171 | 0.00000 | 316523.1 | 129981.9 | 100632.1 | S |
| 29.458 | 0.0000 | 0.0000 | 88.863 | 0.55148 | 0.00000 | 316523.1 | 129998.4 | 100632.1 | S |
| 29.467 | 0.0000 | 0.0000 | 88.862 | 0.55126 | 0.00000 | 316523.1 | 130015.0 | 100632.1 | S |
| 29.475 | 0.0000 | 0.0000 | 88.861 | 0.55104 | 0.00000 | 316523.1 | 130031.5 | 100632.1 | S |
| 29.483 | 0.0000 | 0.0000 | 88.861 | 0.55081 | 0.00000 | 316523.1 | 130048.0 | 100632.1 | S |
| 29.492 | 0.0000 | 0.0000 | 88.860 | 0.55059 | 0.00000 | 316523.1 | 130064.5 | 100632.1 | S |
| 29.500 | 0.0000 | 0.0000 | 88.859 | 0.55037 | 0.00000 | 316523.1 | 130081.1 | 100632.1 | S |
| 29.508 | 0.0000 | 0.0000 | 88.859 | 0.55015 | 0.00000 | 316523.1 | 130097.6 | 100632.1 | S |
| 29.517 | 0.0000 | 0.0000 | 88.858 | 0.54993 | 0.00000 | 316523.1 | 130114.1 | 100632.1 | S |
| 29.525 | 0.0000 | 0.0000 | 88.857 | 0.54970 | 0.00000 | 316523.1 | 130130.6 | 100632.1 | S |
| 29.533 | 0.0000 | 0.0000 | 88.857 | 0.54948 | 0.00000 | 316523.1 | 130147.0 | 100632.1 | S |
| 29.542 | 0.0000 | 0.0000 | 88.856 | 0.54926 | 0.00000 | 316523.1 | 130163.5 | 100632.1 | S |
| 29.550 | 0.0000 | 0.0000 | 88.855 | 0.54904 | 0.00000 | 316523.1 | 130180.0 | 100632.1 | S |
| 29.558 | 0.0000 | 0.0000 | 88.855 | 0.54882 | 0.00000 | 316523.1 | 130196.5 | 100632.1 | S |
| 29.567 | 0.0000 | 0.0000 | 88.854 | 0.54860 | 0.00000 | 316523.1 | 130212.9 | 100632.1 | S |
| 29.575 | 0.0000 | 0.0000 | 88.853 | 0.54838 | 0.00000 | 316523.1 | 130229.4 | 100632.1 | S |
| 29.583 | 0.0000 | 0.0000 | 88.853 | 0.54816 | 0.00000 | 316523.1 | 130245.8 | 100632.1 | S |
| 29.592 | 0.0000 | 0.0000 | 88.852 | 0.54794 | 0.00000 | 316523.1 | 130262.3 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Inflatration Rate ( $\mathrm{Ht}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{\mathrm{t}}$ ) | Cumulative Infiltration Volume ( $\mathrm{ff}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 29.600 | 0.0000 | 0.0000 | 88.852 | 0.54772 | 0.00000 | 316523.1 | 130278.7 | 100632.1 | S |
| 29.608 | 0.0000 | 0.0000 | 88.851 | 0.54750 | 0.00000 | 316523.1 | 130295.1 | 100632.1 | S |
| 29.617 | 0.0000 | 0.0000 | 88.850 | 0.54728 | 0.00000 | 316523.1 | 130311.6 | 100632.1 | S |
| 29.625 | 0.0000 | 0.0000 | 88.850 | 0.54706 | 0.00000 | 316523.1 | 130328.0 | 100632.1 | S |
| 29.633 | 0.0000 | 0.0000 | 88.849 | 0.54684 | 0.00000 | 316523.1 | 130344.4 | 100632.1 | S |
| 29.642 | 0.0000 | 0.0000 | 88.848 | 0.54662 | 0.00000 | 316523.1 | 130360.8 | 100632.1 | S |
| 29.650 | 0.0000 | 0.0000 | 88.848 | 0.54640 | 0.00000 | 316523.1 | 130377.2 | 100632.1 | S |
| 29.658 | 0.0000 | 0.0000 | 88.847 | 0.54618 | 0.00000 | 316523.1 | 130393.6 | 100632.1 | S |
| 29.667 | 0.0000 | 0.0000 | 88.846 | 0.54596 | 0.00000 | 316523.1 | 130410.0 | 100632.1 | S |
| 29.675 | 0.0000 | 0.0000 | 88.846 | 0.54574 | 0.00000 | 316523.1 | 130426.3 | 100632.1 | S |
| 29.683 | 0.0000 | 0.0000 | 88.845 | 0.54553 | 0.00000 | 316523.1 | 130442.7 | 100632.1 | S |
| 29.692 | 0.0000 | 0.0000 | 88.844 | 0.54531 | 0.00000 | 316523.1 | 130459.1 | 100632.1 | S |
| 29.700 | 0.0000 | 0.0000 | 88.844 | 0.54509 | 0.00000 | 316523.1 | 130475.4 | 100632.1 | S |
| 29.708 | 0.0000 | 0.0000 | 88.843 | 0.54487 | 0.00000 | 316523.1 | 130491.8 | 100632.1 | S |
| 29.717 | 0.0000 | 0.0000 | 88.842 | 0.54465 | 0.00000 | 316523.1 | 130508.1 | 100632.1 | S |
| 29.725 | 0.0000 | 0.0000 | 88.842 | 0.54444 | 0.00000 | 316523.1 | 130524.4 | 100632.1 | S |
| 29.733 | 0.0000 | 0.0000 | 88.841 | 0.54422 | 0.00000 | 316523.1 | 130540.8 | 100632.1 | S |
| 29.742 | 0.0000 | 0.0000 | 88.841 | 0.54400 | 0.00000 | 316523.1 | 130557.1 | 100632.1 | S |
| 29.750 | 0.0000 | 0.0000 | 88.840 | 0.54379 | 0.00000 | 316523.1 | 130573.4 | 100632.1 | S |
| 29.758 | 0.0000 | 0.0000 | 88.839 | 0.54357 | 0.00000 | 316523.1 | 130589.7 | 100632.1 | S |
| 29.767 | 0.0000 | 0.0000 | 88.839 | 0.54335 | 0.00000 | 316523.1 | 130606.0 | 100632.1 | S |
| 29.775 | 0.0000 | 0.0000 | 88.838 | 0.54314 | 0.00000 | 316523.1 | 130622.3 | 100632.1 | S |
| 29.783 | 0.0000 | 0.0000 | 88.837 | 0.54292 | 0.00000 | 316523.1 | 130638.6 | 100632.1 | S |
| 29.792 | 0.0000 | 0.0000 | 88.837 | 0.54271 | 0.00000 | 316523.1 | 130654.9 | 100632.1 | S |
| 29.800 | 0.0000 | 0.0000 | 88.836 | 0.54249 | 0.00000 | 316523.1 | 130671.2 | 100632.1 | S |
| 29.808 | 0.0000 | 0.0000 | 88.835 | 0.54228 | 0.00000 | 316523.1 | 130687.4 | 100632.1 | S |
| 29.817 | 0.0000 | 0.0000 | 88.835 | 0.54206 | 0.00000 | 316523.1 | 130703.7 | 100632.1 | S |
| 29.825 | 0.0000 | 0.0000 | 88.834 | 0.54185 | 0.00000 | 316523.1 | 130720.0 | 100632.1 | S |
| 29.833 | 0.0000 | 0.0000 | 88.833 | 0.54163 | 0.00000 | 316523.1 | 130736.2 | 100632.1 | S |
| 29.842 | 0.0000 | 0.0000 | 88.833 | 0.54142 | 0.00000 | 316523.1 | 130752.5 | 100632.1 | S |
| 29.850 | 0.0000 | 0.0000 | 88.832 | 0.54120 | 0.00000 | 316523.1 | 130768.7 | 100632.1 | S |
| 29.858 | 0.0000 | 0.0000 | 88.831 | 0.54099 | 0.00000 | 316523.1 | 130784.9 | 100632.1 | S |
| 29.867 | 0.0000 | 0.0000 | 88.831 | 0.54077 | 0.00000 | 316523.1 | 130801.2 | 100632.1 | S |
| 29.875 | 0.0000 | 0.0000 | 88.830 | 0.54056 | 0.00000 | 316523.1 | 130817.4 | 100632.1 | S |
| 29.883 | 0.0000 | 0.0000 | 88.830 | 0.54035 | 0.00000 | 316523.1 | 130833.6 | 100632.1 | S |
| 29.892 | 0.0000 | 0.0000 | 88.829 | 0.54013 | 0.00000 | 316523.1 | 130849.8 | 100632.1 | S |
| 29.900 | 0.0000 | 0.0000 | 88.828 | 0.53992 | 0.00000 | 316523.1 | 130866.0 | 100632.1 | S |
| 29.908 | 0.0000 | 0.0000 | 88.828 | 0.53971 | 0.00000 | 316523.1 | 130882.2 | 100632.1 | S |
| 29.917 | 0.0000 | 0.0000 | 88.827 | 0.53949 | 0.00000 | 316523.1 | 130898.4 | 100632.1 | S |
| 29.925 | 0.0000 | 0.0000 | 88.826 | 0.53928 | 0.00000 | 316523.1 | 130914.6 | 100632.1 | S |
| 29.933 | 0.0000 | 0.0000 | 88.826 | 0.53907 | 0.00000 | 316523.1 | 130930.8 | 100632.1 | S |
| 29.942 | 0.0000 | 0.0000 | 88.825 | 0.53886 | 0.00000 | 316523.1 | 130946.9 | 100632.1 | S |
| 29.950 | 0.0000 | 0.0000 | 88.824 | 0.53864 | 0.00000 | 316523.1 | 130963.1 | 100632.1 | S |
| 29.958 | 0.0000 | 0.0000 | 88.824 | 0.53843 | 0.00000 | 316523.1 | 130979.2 | 100632.1 | S |
| 29.967 | 0.0000 | 0.0000 | 88.823 | 0.53822 | 0.00000 | 316523.1 | 130995.4 | 100632.1 | S |
| 29.975 | 0.0000 | 0.0000 | 88.822 | 0.53801 | 0.00000 | 316523.1 | 131011.5 | 100632.1 | S |
| 29.983 | 0.0000 | 0.0000 | 88.822 | 0.53780 | 0.00000 | 316523.1 | 131027.7 | 100632.1 | S |
| 29.992 | 0.0000 | 0.0000 | 88.821 | 0.53759 | 0.00000 | 316523.1 | 131043.8 | 100632.1 | S |
| 30.000 | 0.0000 | 0.0000 | 88.821 | 0.53737 | 0.00000 | 316523.1 | 131059.9 | 100632.1 | S |
| 30.008 | 0.0000 | 0.0000 | 88.820 | 0.53716 | 0.00000 | 316523.1 | 131076.0 | 100632.1 | S |
| 30.017 | 0.0000 | 0.0000 | 88.819 | 0.53695 | 0.00000 | 316523.1 | 131092.2 | 100632.7 | S |
| 30.025 | 0.0000 | 0.0000 | 88.819 | 0.53674 | 0.00000 | 316523.1 | 131108.3 | 100632.1 | S |
| 30.033 | 0.0000 | 0.0000 | 88.818 | 0.53653 | 0.00000 | 316523.1 | 131124.4 | 100632.1 | S |
| 30.042 | 0.0000 | 0.0000 | 88.817 | 0.53632 | 0.00000 | 316523.1 | 131140.5 | 100632.1 | S |
| 30.050 | 0.0000 | 0.0000 | 88.817 | 0.53611 | 0.00000 | 316523.1 | 131156.5 | 100632.1 | S |
| 30.058 | 0.0000 | 0.0000 | 88.816 | 0.53590 | 0.00000 | 316523.1 | 131172.6 | 100632.1 | S |
| 30.067 | 0.0000 | 0.0000 | 88.815 | 0.53569 | 0.00000 | 316523.1 | 131188.7 | 100632.1 | S |
| 30.075 | 0.0000 | 0.0000 | 88.815 | 0.53548 | 0.00000 | 316523.1 | 131204.8 | 100632.1 | S |
| 30.083 | 0.0000 | 0.0000 | 88.814 | 0.53527 | 0.00000 | 316523.1 | 131220.8 | 100632.1 | S |
| 30.092 | 0.0000 | 0.0000 | 88.814 | 0.53506 | 0.00000 | 316523.1 | 131236.9 | 100632.1 | S |
| 30.100 | 0.0000 | 0.0000 | 88.813 | 0.53486 | 0.00000 | 316523.1 | 131252.9 | 100632.1 | S |
| 30.108 | 0.0000 | 0.0000 | 88.812 | 0.53465 | 0.00000 | 316523.1 | 131269.0 | 100632.1 | S |
| 30.117 | 0.0000 | 0.0000 | 88.812 | 0.53444 | 0.00000 | 316523.1 | 131285.0 | 100632.1 | S |
| 30.125 | 0.0000 | 0.0000 | 88.811 | 0.53423 | 0.00000 | 316523.1 | 131301.0 | 100632.1 | S |
| 30.133 | 0.0000 | 0.0000 | 88.810 | 0.53402 | 0.00000 | 316523.1 | 131317.1 | 100632.1 | S |
| 30.142 | 0.0000 | 0.0000 | 88.810 | 0.53381 | 0.00000 | 316523.1 | 131333.1 | 100632.1 | S |
| 30.150 | 0.0000 | 0.0000 | 88.809 | 0.53361 | 0.00000 | 316523.1 | 131349.1 | 100632.1 | S |
| 30.158 | 0.0000 | 0.0000 | 88.808 | 0.53340 | 0.00000 | 316523.1 | 131365.1 | 100632.1 | S |
| 30.167 | 0.0000 | 0.0000 | 88.808 | 0.53319 | 0.00000 | 316523.1 | 131381.1 | 100632.1 | S |
| 30.175 | 0.0000 | 0.0000 | 88.807 | 0.53298 | 0.00000 | 316523.1 | 131397.1 | 100632.1 | S |
| 30.183 | 0.0000 | 0.0000 | 88.807 | 0.53278 | 0.00000 | 316523.1 | 131413.1 | 100632.1 | S |
| 30.192 | 0.0000 | 0.0000 | 88.806 | 0.53257 | 0.00000 | 316523.1 | 131429.0 | 100632.1 | S |
| 30.200 | 0.0000 | 0.0000 | 88.805 | 0.53236 | 0.00000 | 316523.1 | 131445.0 | 100632.1 | S |
| 30.208 | 0.0000 | 0.0000 | 88.805 | 0.53216 | 0.00000 | 316523.1 | 131461.0 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Infiow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate (ft ${ }^{3} / \mathrm{s}$ ) | Overtlow Discharge (f $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative \}nfiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30.217 | 0.0000 | 0.0000 | 88.804 | 0.53195 | 0.00000 | 316523.1 | 131477.0 | 100632.1 | S |
| 30.225 | 0.0000 | 0.0000 | 88.803 | 0.53174 | 0.00000 | 316523.1 | 131492.9 | 100632.1 | S |
| 30.233 | 0.0000 | 0.0000 | 88.803 | 0.53154 | 0.00000 | 316523.1 | 131508.9 | 100632.1 | S |
| 30.242 | 0.0000 | 0.0000 | 88.802 | 0.53133 | 0.00000 | 316523.1 | 131524.8 | 100632.1 | S |
| 30.250 | 0.0000 | 0.0000 | 88.801 | 0.53113 | 0.00000 | 316523.1 | 131540.7 | 100632.1 | S |
| 30.258 | 0.0000 | 0.0000 | 88.801 | 0.53092 | 0.00000 | 316523.1 | 131556.7 | 100632.1 | S |
| 30.267 | 0.0000 | 0.0000 | 88.800 | 0.53071 | 0.00000 | 316523.1 | 131572.6 | 100632.1 | S |
| 30.275 | 0.0000 | 0.0000 | 88.800 | 0.53051 | 0.00000 | 316523.1 | 131588.5 | 100632.1 | S |
| 30.283 | 0.0000 | 0.0000 | 88.799 | 0.53030 | 0.00000 | 316523.1 | 131604.4 | 100632.1 | S |
| 30.292 | 0.0000 | 0.0000 | 88.798 | 0.53010 | 0.00000 | 316523.1 | 131620.3 | 100632.1 | S |
| 30.300 | 0.0000 | 0.0000 | 88.798 | 0.52989 | 0.00000 | 316523.1 | 131636.2 | 100632.1 | S |
| 30.308 | 0.0000 | 0.0000 | 88.797 | 0.52969 | 0.00000 | 316523.1 | 131652.1 | 100632.1 | S |
| 30.317 | 0.0000 | 0.0000 | 88.796 | 0.52949 | 0.00000 | 316523.1 | 131668.0 | 100632.1 | S |
| 30.325 | 0.0000 | 0.0000 | 88.796 | 0.52928 | 0.00000 | 316523.1 | 131683.9 | 100632.1 | S |
| 30.333 | 0.0000 | 0.0000 | 88.795 | 0.52908 | 0.00000 | 316523.1 | 131699.8 | 100632.1 | S |
| 30.342 | 0.0000 | 0.0000 | 88.794 | 0.52887 | 0.00000 | 316523.1 | 131715.6 | 100632.1 | S |
| 30.350 | 0.0000 | 0.0000 | 88.794 | 0.52867 | 0.00000 | 316523.1 | 131731.5 | 100632.1 | S |
| 30.358 | 0.0000 | 0.0000 | 88.793 | 0.52847 | 0.00000 | 316523.1 | 131747.4 | 100632.1 | S |
| 30.367 | 0.0000 | 0.0000 | 88.793 | 0.52826 | 0.00000 | 316523.1 | 131763.2 | 100632.1 | S |
| 30.375 | 0.0000 | 0.0000 | 88.792 | 0.52806 | 0.00000 | 316523.1 | 131779.0 | 100632.1 | S |
| 30.383 | 0.0000 | 0.0000 | 88.791 | 0.52786 | 0.00000 | 316523.1 | 131794.9 | 100632.1 | S |
| 30.392 | 0.0000 | 0.0000 | 88.791 | 0.52765 | 0.00000 | 316523.1 | 131810.7 | 100632.1 | S |
| 30.400 | 0.0000 | 0.0000 | 88.790 | 0.52745 | 0.00000 | 316523.1 | 131826.5 | 100632.1 | S |
| 30.408 | 0.0000 | 0.0000 | 88.789 | 0.52725 | 0.00000 | 316523.1 | 131842.4 | 100632.1 | S |
| 30.417 | 0.0000 | 0.0000 | 88.789 | 0.52705 | 0.00000 | 316523.1 | 131858.2 | 100632.1 | S |
| 30.425 | 0.0000 | 0.0000 | 88.788 | 0.52684 | 0.00000 | 316523.1 | 131874.0 | 100632.1 | S |
| 30.433 | 0.0000 | 0.0000 | 88.788 | 0.52664 | 0.00000 | 316523.1 | 131889.8 | 100632.1 | S |
| 30.442 | 0.0000 | 0.0000 | 88.787 | 0.52644 | 0.00000 | 316523.1 | 131905.6 | 100632.1 | S |
| 30.450 | 0.0000 | 0.0000 | 88.786 | 0.52624 | 0.00000 | 316523.1 | 131921.4 | 100632.1 | S |
| 30.458 | 0.0000 | 0.0000 | 88.786 | 0.52604 | 0.00000 | 316523.1 | 131937.2 | 100632.1 | S |
| 30.467 | 0.0000 | 0.0000 | 88.785 | 0.52584 | 0.00000 | 316523.1 | 131952.9 | 100632.1 | S |
| 30.475 | 0.0000 | 0.0000 | 88.784 | 0.52563 | 0.00000 | 316523.1 | 131968.7 | 100632.1 | S |
| 30.483 | 0.0000 | 0.0000 | 88.784 | 0.52543 | 0.00000 | 316523.1 | 131984.5 | 100632.1 | S |
| 30.492 | 0.0000 | 0.0000 | 88.783 | 0.52523 | 0.00000 | 316523.1 | 132000.2 | 100632.1 | S |
| 30.500 | 0.0000 | 0.0000 | 88.782 | 0.52503 | 0.00000 | 316523.1 | 132016.0 | 100632.1 | S |
| 30.508 | 0.0000 | 0.0000 | 88.782 | 0.52483 | 0.00000 | 316523.1 | 132031.8 | 100632.1 | S |
| 30.517 | 0.0000 | 0.0000 | 88.781 | 0.52463 | 0.00000 | 316523.1 | 132047.5 | 100632.1 | S |
| 30.525 | 0.0000 | 0.0000 | 88.781 | 0.52443 | 0.00000 | 316523.1 | 132063.2 | 100632.1 | S |
| 30.533 | 0.0000 | 0.0000 | 88.780 | 0.52423 | 0.00000 | 316523.1 | 132079.0 | 100632.1 | S |
| 30.542 | 0.0000 | 0.0000 | 88.779 | 0.52403 | 0.00000 | 316523.1 | 132094.7 | 100632.1 | S |
| 30.550 | 0.0000 | 0.0000 | 88.779 | 0.52383 | 0.00000 | 316523.1 | 132110.4 | 100632.1 | S |
| 30.558 | 0.0000 | 0.0000 | 88.778 | 0.52363 | 0.00000 | 316523.1 | 132126.1 | 100632.1 | S |
| 30.567 | 0.0000 | 0.0000 | 88.777 | 0.52343 | 0.00000 | 316523.1 | 132141.8 | 100632.1 | S |
| 30.575 | 0.0000 | 0.0000 | 88.777 | 0.52323 | 0.00000 | 316523.1 | 132157.5 | 100632.1 | S |
| 30.583 | 0.0000 | 0.0000 | 88.776 | 0.52303 | 0.00000 | 316523.1 | 132173.2 | 100632.1 | S |
| 30.592 | 0.0000 | 0.0000 | 88.776 | 0.52284 | 0.00000 | 316523.1 | 132188.9 | 100632.1 | S |
| 30.600 | 0.0000 | 0.0000 | 88.775 | 0.52264 | 0.00000 | 316523.1 | 132204.6 | 100632.1 | S |
| 30.608 | 0.0000 | 0.0000 | 88.774 | 0.52244 | 0.00000 | 316523.1 | 132220.3 | 100632.1 | S |
| 30.617 | 0.0000 | 0.0000 | 88.774 | 0.52224 | 0.00000 | 316523.1 | 132235.9 | 100632.1 | S |
| 30.625 | 0.0000 | 0.0000 | 88.773 | 0.52204 | 0.00000 | 316523.1 | 132251.6 | 100632.1 | S |
| 30.633 | 0.0000 | 0.0000 | 88.772 | 0.52184 | 0.00000 | 316523.1 | 132267.3 | 100632.1 | S |
| 30.642 | 0.0000 | 0.0000 | 88.772 | 0.52165 | 0.00000 | 316523.1 | 132282.9 | 100632.1 | S |
| 30.650 | 0.0000 | 0.0000 | 88.771 | 0.52145 | 0.00000 | 316523.1 | 132298.5 | 100632.1 | S |
| 30.658 | 0.0000 | 0.0000 | 88.771 | 0.52125 | 0.00000 | 316523.1 | 132314.2 | 100632.1 | S |
| 30.667 | 0.0000 | 0.0000 | 88.770 | 0.52105 | 0.00000 | 316523.1 | 132329.8 | 100632.1 | S |
| 30.675 | 0.0000 | 0.0000 | 88.769 | 0.52086 | 0.00000 | 316523.1 | 132345.5 | 100632.1 | S |
| 30.683 | 0.0000 | 0.0000 | 88.769 | 0.52066 | 0.00000 | 316523.1 | 132361.1 | 100632.1 | S |
| 30.692 | 0.0000 | 0.0000 | 88.768 | 0.52046 | 0.00000 | 316523.1 | 132376.7 | 100632.1 | S |
| 30.700 | 0.0000 | 0.0000 | 88.767 | 0.52027 | 0.00000 | 316523.1 | 132392.3 | 100632.1 | S |
| 30.708 | 0.0000 | 0.0000 | 88.767 | 0.52007 | 0.00000 | 316523.1 | 132407.9 | 100632.1 | S |
| 30.717 | 0.0000 | 0.0000 | 88.766 | 0.51987 | 0.00000 | 316523.1 | 132423.5 | 100632.1 | S |
| 30.725 | 0.0000 | 0.0000 | 88.766 | 0.51968 | 0.00000 | 316523.1 | 132439.1 | 100632.1 | S |
| 30.733 | 0.0000 | 0.0000 | 88.765 | 0.51948 | 0.00000 | 316523.1 | 132454.7 | 100632.1 | S |
| 30.742 | 0.0000 | 0.0000 | 88.764 | 0.51928 | 0.00000 | 316523.1 | 132470.3 | 100632.1 | S |
| 30.750 | 0.0000 | 0.0000 | 88.764 | 0.51909 | 0.00000 | 316523.1 | 132485.8 | 100632.1 | S |
| 30.758 | 0.0000 | 0.0000 | 88.763 | 0.51889 | 0.00000 | 316523.1 | 132501.4 | 100632.1 | S |
| 30.767 | 0.0000 | 0.0000 | 88.762 | 0.51870 | 0.00000 | 316523.1 | 132517.0 | 100632.1 | S |
| 30.775 | 0.0000 | 0.0000 | 88.762 | 0.51850 | 0.00000 | 316523.1 | 132532.5 | 100632.1 | S |
| 30.783 | 0.0000 | 0.0000 | 88.761 | 0.51831 | 0.00000 | 316523.1 | 132548.1 | 100632.1 | S |
| 30.792 | 0.0000 | 0.0000 | 88.761 | 0.51811 | 0.00000 | 316523.1 | 132563.6 | 100632.1 | S |
| 30.800 | 0.0000 | 0.0000 | 88.760 | 0.51792 | 0.00000 | 316523.1 | 132579.2 | 100632.1 | S |
| 30.808 | 0.0000 | 0.0000 | 88.759 | 0.51772 | 0.00000 | 316523.1 | 132594.7 | 100632.1 | S |
| 30.817 | 0.0000 | 0.0000 | 88.759 | 0.51753 | 0.00000 | 316523.1 | 132610.2 | 100632.1 | S |
| 30.825 | 0.0000 | 0.0000 | 88.758 | 0.51733 | 0.00000 | 316523.1 | 132625.8 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (fiday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{H}^{3 / 5}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume $\left(\mathrm{ft}^{3}\right)$ | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30.833 | 0.0000 | 0.0000 | 88.757 | 0.51714 | 0.00000 | 316523.1 | 132641.3 | 100632.1 | S |
| 30.842 | 0.0000 | 0.0000 | 88.757 | 0.51695 | 0.00000 | 316523.1 | 132656.8 | 100632.1 | S |
| 30.850 | 0.0000 | 0.0000 | 88.756 | 0.51675 | 0.00000 | 316523.1 | 132672.3 | 100632.1 | S |
| 30.858 | 0.0000 | 0.0000 | 88.756 | 0.51656 | 0.00000 | 316523.1 | 132687.8 | 100632.1 | S |
| 30.867 | 0.0000 | 0.0000 | 88.755 | 0.51636 | 0.00000 | 316523.1 | 132703.3 | 100632.1 | S |
| 30.875 | 0.0000 | 0.0000 | 88.754 | 0.51617 | 0.00000 | 316523.1 | 132718.8 | 100632.1 | S |
| 30.883 | 0.0000 | 0.0000 | 88.754 | 0.51598 | 0.00000 | 316523.1 | 132734.3 | 100632.1 | S |
| 30.892 | 0.0000 | 0.0000 | 88.753 | 0.51578 | 0.00000 | 316523.1 | 132749.7 | 100632.1 | S |
| 30.900 | 0.0000 | 0.0000 | 88.752 | 0.51559 | 0.00000 | 316523.1 | 132765.2 | 100632.1 | S |
| 30.908 | 0.0000 | 0.0000 | 88.752 | 0.51540 | 0.00000 | 316523.1 | 132780.7 | 100632.1 | S |
| 30.917 | 0.0000 | 0.0000 | 88.751 | 0.51521 | 0.00000 | 316523.1 | 132796.1 | 100632.1 | S |
| 30.925 | 0.0000 | 0.0000 | 88.751 | 0.51501 | 0.00000 | 316523.1 | 132811.6 | 100632.1 | S |
| 30.933 | 0.0000 | 0.0000 | 88.750 | 0.51482 | 0.00000 | 316523.1 | 132827.0 | 100632.1 | S |
| 30.942 | 0.0000 | 0.0000 | 88.749 | 0.51463 | 0.00000 | 316523.1 | 132842.5 | 100632.1 | S |
| 30.950 | 0.0000 | 0.0000 | 88.749 | 0.51444 | 0.00000 | 316523.1 | 132857.9 | 100632.1 | S |
| 30.958 | 0.0000 | 0.0000 | 88.748 | 0.51425 | 0.00000 | 316523.1 | 132873.3 | 100632.1 | S |
| 30.967 | 0.0000 | 0.0000 | 88.748 | 0.51405 | 0.00000 | 316523.1 | 132888.8 | 100632.1 | S |
| 30.975 | 0.0000 | 0.0000 | 88.747 | 0.51386 | 0.00000 | 316523.1 | 132904.2 | 100632.1 | S |
| 30.983 | 0.0000 | 0.0000 | 88.746 | 0.51367 | 0.00000 | 316523.1 | 132919.6 | 100632.1 | S |
| 30.992 | 0.0000 | 0.0000 | 88.746 | 0.51348 | 0.00000 | 316523.1 | 132935.0 | 100632.1 | S |
| 31.000 | 0.0000 | 0.0000 | 88.745 | 0.51329 | 0.00000 | 316523.1 | 132950.4 | 100632.1 | S |
| 31.008 | 0.0000 | 0.0000 | 88.744 | 0.51310 | 0.00000 | 316523.1 | 132965.8 | 100632.1 | S |
| 31.017 | 0.0000 | 0.0000 | 88.744 | 0.51291 | 0.00000 | 316523.1 | 132981.2 | 100632.1 | S |
| 31.025 | 0.0000 | 0.0000 | 88.743 | 0.51272 | 0.00000 | 316523.1 | 132996.6 | 100632.1 | S |
| 31.033 | 0.0000 | 0.0000 | 88.743 | 0.51253 | 0.00000 | 316523.1 | 133012.0 | 100632.1 | S |
| 31.042 | 0.0000 | 0.0000 | 88.742 | 0.51234 | 0.00000 | 316523.1 | 133027.3 | 100632.1 | S |
| 31.050 | 0.0000 | 0.0000 | 88.741 | 0.51215 | 0.00000 | 316523.1 | 133042.7 | 100632.1 | S |
| 31.058 | 0.0000 | 0.0000 | 88.741 | 0.51196 | 0.00000 | 316523.1 | 133058.0 | 100632.1 | S |
| 31.067 | 0.0000 | 0.0000 | 88.740 | 0.51177 | 0.00000 | 316523.1 | 133073.4 | 100632.1 | S |
| 31.075 | 0.0000 | 0.0000 | 88.740 | 0.51158 | 0.00000 | 316523.1 | 133088.8 | 100632.1 | S |
| 31.083 | 0.0000 | 0.0000 | 88.739 | 0.51139 | 0.00000 | 316523.1 | 133104.1 | 100632.1 | S |
| 31.092 | 0.0000 | 0.0000 | 88.738 | 0.51120 | 0.00000 | 316523.1 | 133119.4 | 100632.1 | S |
| 31.100 | 0.0000 | 0.0000 | 88.738 | 0.51101 | 0.00000 | 316523.1 | 133134.8 | 100632.1 | S |
| 31.108 | 0.0000 | 0.0000 | 88.737 | 0.51082 | 0.00000 | 316523.1 | 133150.1 | 100632.1 | S |
| 31.117 | 0.0000 | 0.0000 | 88.736 | 0.51063 | 0.00000 | 316523.1 | 133165.4 | 100632.1 | S |
| 31.125 | 0.0000 | 0.0000 | 88.736 | 0.51044 | 0.00000 | 316523.1 | 133180.7 | 100632.1 | S |
| 31.133 | 0.0000 | 0.0000 | 88.735 | 0.51025 | 0.00000 | 316523.1 | 133196.0 | 100632.1 | S |
| 31.142 | 0.0000 | 0.0000 | 88.735 | 0.51006 | 0.00000 | 316523.1 | 133211.3 | 100632.1 | S |
| 31.150 | 0.0000 | 0.0000 | 88.734 | 0.50987 | 0.00000 | 316523.1 | 133226.7 | 100632.1 | S |
| 31.158 | 0.0000 | 0.0000 | 88.733 | 0.50969 | 0.00000 | 316523.1 | 133241.9 | 100632.1 | S |
| 31.167 | 0.0000 | 0.0000 | 88.733 | 0.50950 | 0.00000 | 316523.1 | 133257.2 | 100632.1 | S |
| 31.175 | 0.0000 | 0.0000 | 88.732 | 0.50931 | 0.00000 | 316523.1 | 133272.5 | 100632.1 | S |
| 31.183 | 0.0000 | 0.0000 | 88.732 | 0.50912 | 0.00000 | 316523.1 | 133287.8 | 100632.1 | S |
| 31.192 | 0.0000 | 0.0000 | 88.731 | 0.50893 | 0.00000 | 316523.1 | 133303.1 | 100632.1 | S |
| 31.200 | 0.0000 | 0.0000 | 88.730 | 0.50875 | 0.00000 | 316523.1 | 133318.3 | 100632.1 | S |
| 31.208 | 0.0000 | 0.0000 | 88.730 | 0.50856 | 0.00000 | 316523.1 | 133333.6 | 100632.1 | S |
| 31.217 | 0.0000 | 0.0000 | 88.729 | 0.50837 | 0.00000 | 316523.1 | 133348.8 | 100632.1 | S |
| 31.225 | 0.0000 | 0.0000 | 88.728 | 0.50819 | 0.00000 | 316523.1 | 133364.1 | 100632.1 | S |
| 31.233 | 0.0000 | 0.0000 | 88.728 | 0.50800 | 0.00000 | 316523.1 | 133379.3 | 100632.1 | S |
| 31.242 | 0.0000 | 0.0000 | 88.727 | 0.50781 | 0.00000 | 316523.1 | 133394.6 | 100632.1 | S |
| 31.250 | 0.0000 | 0.0000 | 88.727 | 0.50763 | 0.00000 | 316523.1 | 133409.8 | 100632.1 | S |
| 31.258 | 0.0000 | 0.0000 | 88.726 | 0.50744 | 0.00000 | 316523.1 | 133425.0 | 100632.1 | S |
| 31.267 | 0.0000 | 0.0000 | 88.725 | 0.50725 | 0.00000 | 316523.1 | 133440.3 | 100632.1 | S |
| 31.275 | 0.0000 | 0.0000 | 88.725 | 0.50707 | 0.00000 | 316523.1 | 133455.5 | 100632.1 | S |
| 31.283 | 0.0000 | 0.0000 | 88.724 | 0.50688 | 0.00000 | 316523.1 | 133470.7 | 100632.1 | S |
| 31.292 | 0.0000 | 0.0000 | 88.724 | 0.50669 | 0.00000 | 316523.1 | 133485.9 | 100632.1 | S |
| 31.300 | 0.0000 | 0.0000 | 88.723 | 0.50651 | 0.00000 | 316523.1 | 133501.1 | 100632.1 | S |
| 31.308 | 0.0000 | 0.0000 | 88.722 | 0.50632 | 0.00000 | 316523.1 | 133516.3 | 100632.1 | S |
| 31.317 | 0.0000 | 0.0000 | 88.722 | 0.50614 | 0.00000 | 316523.1 | 133531.5 | 100632.1 | S |
| 31.325 | 0.0000 | 0.0000 | 88.721 | 0.50595 | 0.00000 | 316523.1 | 133546.6 | 100632.1 | S |
| 31.333 | 0.0000 | 0.0000 | 88.721 | 0.50577 | 0.00000 | 316523.1 | 133561.8 | 100632.1 | S |
| 31.342 | 0.0000 | 0.0000 | 88.720 | 0.50558 | 0.00000 | 316523.1 | 133577.0 | 100632.1 | S |
| 31.350 | 0.0000 | 0.0000 | 88.719 | 0.50540 | 0.00000 | 316523.1 | 133592.1 | 100632.1 | S |
| 31.358 | 0.0000 | 0.0000 | 88.719 | 0.50521 | 0.00000 | 316523.1 | 133607.3 | 100632.1 | S |
| 31.367 | 0.0000 | 0.0000 | 88.718 | 0.50503 | 0.00000 | 316523.1 | 133622.5 | 100632.1 | S |
| 31.375 | 0.0000 | 0.0000 | 88.717 | 0.50484 | 0.00000 | 316523.1 | 133637.6 | 100632.1 | S |
| 31.383 | 0.0000 | 0.0000 | 88.717 | 0.50466 | 0.00000 | 316523.1 | 133652.8 | 100632.1 | S |
| 31.392 | 0.0000 | 0.0000 | 88.716 | 0.50448 | 0.00000 | 316523.1 | 133667.9 | 100632.1 | S |
| 31.400 | 0.0000 | 0.0000 | 88.716 | 0.50429 | 0.00000 | 316523.1 | 133683.0 | 100632.1 | S |
| 31.408 | 0.0000 | 0.0000 | 88.715 | 0.50411 | 0.00000 | 316523.1 | 133698.1 | 100632.1 | S |
| 31.417 | 0.0000 | 0.0000 | 88.714 | 0.50392 | 0.00000 | 316523.1 | 133713.3 | 100632.1 | S |
| 31.425 | 0.0000 | 0.0000 | 88.714 | 0.50374 | 0.00000 | 316523.1 | 133728.4 | 100632.1 | S |
| 31.433 | 0.0000 | 0.0000 | 88.713 | 0.50356 | 0.00000 | 316523.1 | 133743.5 | 100632.1 | S |
| 31.442 | 0.0000 | 0.0000 | 88.713 | 0.50337 | 0.00000 | 316523.1 | 133758.6 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :. Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate (ft3/s) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume $\left\langle\mathrm{ft}^{3}\right.$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 31.450 | 0.0000 | 0.0000 | 88.712 | 0.50319 | 0.00000 | 316523.1 | 133773.7 | 100632.1 | S |
| 31.458 | 0.0000 | 0.0000 | 88.711 | 0.50301 | 0.00000 | 316523.1 | 133788.8 | 100632.1 | S |
| 31.467 | 0.0000 | 0.0000 | 88.711 | 0.50282 | 0.00000 | 316523.1 | 133803.9 | 100632.1 | S |
| 31.475 | 0.0000 | 0.0000 | 88.710 | 0.50264 | 0.00000 | 316523.1 | 133819.0 | 100632.1 | S |
| 31.483 | 0.0000 | 0.0000 | 88.710 | 0.50246 | 0.00000 | 316523.1 | 133834.0 | 100632.1 | S |
| 31.492 | 0.0000 | 0.0000 | 88.709 | 0.50228 | 0.00000 | 316523.1 | 133849.1 | 100632.1 | S |
| 31.500 | 0.0000 | 0.0000 | 88.708 | 0.50209 | 0.00000 | 316523.1 | 133864.2 | 100632.1 | S |
| 31.508 | 0.0000 | 0.0000 | 88.708 | 0.50191 | 0.00000 | 316523.1 | 133879.2 | 100632.1 | S |
| 31.517 | 0.0000 | 0.0000 | 88.707 | 0.50173 | 0.00000 | 316523.1 | 133894.3 | 100632.1 | S |
| 31.525 | 0.0000 | 0.0000 | 88.707 | 0.50155 | 0.00000 | 316523.1 | 133909.3 | 100632.1 | S |
| 31.533 | 0.0000 | 0.0000 | 88.706 | 0.50137 | 0.00000 | 316523.1 | 133924.4 | 100632.1 | S |
| 31.542 | 0.0000 | 0.0000 | 88.705 | 0.50119 | 0.00000 | 316523.1 | 133939.4 | 100632.1 | S |
| 31.550 | 0.0000 | 0.0000 | 88.705 | 0.50100 | 0.00000 | 316523.1 | 133954.4 | 100632.1 | S |
| 31.558 | 0.0000 | 0.0000 | 88.704 | 0.50082 | 0.00000 | 316523.1 | 133969.5 | 100632.1 | S |
| 31.567 | 0.0000 | 0.0000 | 88.703 | 0.50064 | 0.00000 | 316523.1 | 133984.5 | 100632.1 | S |
| 31.575 | 0.0000 | 0.0000 | 88.703 | 0.50046 | 0.00000 | 316523.1 | 133999.5 | 100632.1 | S |
| 31.583 | 0.0000 | 0.0000 | 88.702 | 0.50028 | 0.00000 | 316523.1 | 134014.5 | 100632.1 | S |
| 31.592 | 0.0000 | 0.0000 | 88.702 | 0.50010 | 0.00000 | 316523.1 | 134029.5 | 100632.1 | S |
| 31.600 | 0.0000 | 0.0000 | 88.701 | 0.49992 | 0.00000 | 316523.1 | 134044.5 | 100632.1 | S |
| 31.608 | 0.0000 | 0.0000 | 88.700 | 0.49974 | 0.00000 | 316523.1 | 134059.5 | 100632.1 | S |
| 31.617 | 0.0000 | 0.0000 | 88.700 | 0.49956 | 0.00000 | 316523.1 | 134074.5 | 100632.1 | S |
| 31.625 | 0.0000 | 0.0000 | 88.699 | 0.49938 | 0.00000 | 316523.1 | 134089.5 | 100632.1 | S |
| 31.633 | 0.0000 | 0.0000 | 88.699 | 0.49920 | 0.00000 | 316523.1 | 134104.5 | 100632.1 | S |
| 31.642 | 0.0000 | 0.0000 | 88.698 | 0.49902 | 0.00000 | 316523.1 | 134119.4 | 100632.1 | S |
| 31.650 | 0.0000 | 0.0000 | 88.697 | 0.49884 | 0.00000 | 316523.1 | 134134.4 | 100632.1 | S |
| 31.658 | 0.0000 | 0.0000 | 88.697 | 0.49866 | 0.00000 | 316523.1 | 134149.4 | 100632.1 | S |
| 31.667 | 0.0000 | 0.0000 | 88.696 | 0.49848 | 0.00000 | 316523.1 | 134164.3 | 100632.1 | S |
| 31.675 | 0.0000 | 0.0000 | 88.696 | 0.49830 | 0.00000 | 316523.1 | 134179.3 | 100632.1 | S |
| 31.683 | 0.0000 | 0.0000 | 88.695 | 0.49812 | 0.00000 | 316523.1 | 134194.2 | 100632.1 | S |
| 31.692 | 0.0000 | 0.0000 | 88.694 | 0.49794 | 0.00000 | 316523.1 | 134209.2 | 100632.1 | S |
| 31.700 | 0.0000 | 0.0000 | 88.694 | 0.49776 | 0.00000 | 316523.1 | 134224.1 | 100632.1 | S |
| 31.708 | 0.0000 | 0.0000 | 88.693 | 0.49758 | 0.00000 | 376523.1 | 134239.0 | 100632.1 | S |
| 31.717 | 0.0000 | 0.0000 | 88.693 | 0.49740 | 0.00000 | 316523.1 | 134254.0 | 100632.1 | S |
| 31.725 | 0.0000 | 0.0000 | 88.692 | 0.49723 | 0.00000 | 316523.1 | 134268.9 | 100632.1 | S |
| 31.733 | 0.0000 | 0.0000 | 88.691 | 0.49705 | 0.00000 | 316523.1 | 134283.8 | 100632.1 | S |
| 31.742 | 0.0000 | 0.0000 | 88.691 | 0.49687 | 0.00000 | 316523.1 | 134298.7 | 100632.1 | S |
| 31.750 | 0.0000 | 0.0000 | 88.690 | 0.49669 | 0.00000 | 316523.1 | 134313.6 | 100632.1 | S |
| 31.758 | 0.0000 | 0.0000 | 88.690 | 0.49651 | 0.00000 | 316523.1 | 134328.5 | 100632.1 | S |
| 31.767 | 0.0000 | 0.0000 | 88.689 | 0.49634 | 0.00000 | 316523.1 | 134343.4 | 100632.1 | S |
| 31.775 | 0.0000 | 0.0000 | 88.688 | 0.49616 | 0.00000 | 316523.1 | 134358.3 | 100632.1 | S |
| 31.783 | 0.0000 | 0.0000 | 88.688 | 0.49598 | 0.00000 | 316523.1 | 134373.2 | 100632.1 | S |
| 31.792 | 0.0000 | 0.0000 | 88.687 | 0.49580 | 0.00000 | 316523.1 | 134388.0 | 100632.1 | S |
| 31.800 | 0.0000 | 0.0000 | 88.687 | 0.49563 | 0.00000 | 316523.1 | 134402.9 | 100632.1 | S |
| 31.808 | 0.0000 | 0.0000 | 88.686 | 0.49545 | 0.00000 | 316523.1 | 134417.8 | 100632.1 | S |
| 31.817 | 0.0000 | 0.0000 | 88.685 | 0.49527 | 0.00000 | 316523.1 | 134432.6 | 100632.1 | S |
| 31.825 | 0.0000 | 0.0000 | 88.685 | 0.49509 | 0.00000 | 316523.1 | 134447.5 | 100632.1 | S |
| 31.833 | 0.0000 | 0.0000 | 88.684 | 0.49492 | 0.00000 | 316523.1 | 134462.3 | 100632.1 | S |
| 31.842 | 0.0000 | 0.0000 | 88.684 | 0.49474 | 0.00000 | 316523.1 | 134477.2 | 100632.1 | S |
| 31.850 | 0.0000 | 0.0000 | 88.683 | 0.49456 | 0.00000 | 316523.1 | 134492.0 | 100632.1 | S |
| 31.858 | 0.0000 | 0.0000 | 88.682 | 0.49439 | 0.00000 | 316523.1 | 134506.9 | 100632.1 | S |
| 31.867 | 0.0000 | 0.0000 | 88.682 | 0.49421 | 0.00000 | 316523.1 | 134521.7 | 100632.1 | S |
| 31.875 | 0.0000 | 0.0000 | 88.681 | 0.49404 | 0.00000 | 316523.1 | 134536.5 | 100632.1 | S |
| 31.883 | 0.0000 | 0.0000 | 88.681 | 0.49386 | 0.00000 | 316523.1 | 134551.3 | 100632.1 | S |
| 31.892 | 0.0000 | 0.0000 | 88.680 | 0.49368 | 0.00000 | 316523.1 | 134566.2 | 100632.1 | S |
| 31.900 | 0.0000 | 0.0000 | 88.679 | 0.49351 | 0.00000 | 316523.1 | 134581.0 | 100632.1 | S |
| 31.908 | 0.0000 | 0.0000 | 88.679 | 0.49333 | 0.00000 | 316523.1 | 134595.8 | 100632.1 | S |
| 31.917 | 0.0000 | 0.0000 | 88.678 | 0.49316 | 0.00000 | 316523.1 | 134610.6 | 100632.1 | S |
| 31.925 | 0.0000 | 0.0000 | 88.678 | 0.49298 | 0.00000 | 316523.1 | 134625.3 | 100632.1 | S |
| 31.933 | 0.0000 | 0.0000 | 88.677 | 0.49281 | 0.00000 | 316523.1 | 134640.1 | 100632.1 | S |
| 31.942 | 0.0000 | 0.0000 | 88.676 | 0.49263 | 0.00000 | 316523.1 | 134654.9 | 100632.1 | S |
| 31.950 | 0.0000 | 0.0000 | 88.676 | 0.49246 | 0.00000 | 316523.1 | 134669.7 | 100632.1 | S |
| 31.958 | 0.0000 | 0.0000 | 88.675 | 0.49228 | 0.00000 | 316523.1 | 134684.5 | 100632.1 | S |
| 31.967 | 0.0000 | 0.0000 | 88.675 | 0.49211 | 0.00000 | 316523.1 | 134699.2 | 100632.1 | S |
| 31.975 | 0.0000 | 0.0000 | 88.674 | 0.49193 | 0.00000 | 316523.1 | 134714.0 | 100632.1 | S |
| 31.983 | 0.0000 | 0.0000 | 88.673 | 0.49176 | 0.00000 | 316523.1 | 134728.8 | 100632.1 | S |
| 31.992 | 0.0000 | 0.0000 | 88.673 | 0.49158 | 0.00000 | 316523.1 | 134743.5 | 100632.1 | S |
| 32.000 | 0.0000 | 0.0000 | 88.672 | 0.49141 | 0.00000 | 316523.1 | 134758.3 | 100632.1 | S |
| 32.008 | 0.0000 | 0.0000 | 88.672 | 0.49124 | 0.00000 | 316523.1 | 134773.0 | 100632.1 | S |
| 32.017 | 0.0000 | 0.0000 | 88.671 | 0.49106 | 0.00000 | 316523.1 | 134787.7 | 100632.1 | S |
| 32.025 | 0.0000 | 0.0000 | 88.670 | 0.49089 | 0.00000 | 316523.1 | 134802.5 | 100632.1 | S |
| 32.033 | 0.0000 | 0.0000 | 88.670 | 0.49071 | 0.00000 | 316523.1 | 134817.2 | 100632.1 | S |
| 32.042 | 0.0000 | 0.0000 | 88.669 | 0.49054 | 0.00000 | 316523.1 | 134831.9 | 100632.1 | S |
| 32.050 | 0.0000 | 0.0000 | 88.669 | 0.49037 | 0.00000 | 316523.1 | 134846.6 | 100632.1 | S |
| 32.058 | 0.0000 | 0.0000 | 88.668 | 0.49019 | 0.00000 | 316523.1 | 134861.3 | 100632.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (it datum) | Infiltration Rate ( $\mathrm{f}^{3 / 3}$ ) | Overflow Discharge ( $\mathrm{f} 4^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ff}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32.067 | 0.0000 | 0.0000 | 88.667 | 0.49002 | 0.00000 | 316523.1 | 134876.0 | 100632.1 | S |
| 32.075 | 0.0000 | 0.0000 | 88.667 | 0.48985 | 0.00000 | 316523.1 | 134890.7 | 100632.1 | S |
| 32.083 | 0.0000 | 0.0000 | 88.666 | 0.48968 | 0.00000 | 316523.1 | 134905.4 | 100632.1 | S |
| 32.092 | 0.0000 | 0.0000 | 88.666 | 0.48950 | 0.00000 | 316523.1 | 134920.1 | 100632.1 | S |
| 32.100 | 0.0000 | 0.0000 | 88.665 | 0.48933 | 0.00000 | 316523.1 | 134934.8 | 100632.1 | S |
| 32.108 | 0.0000 | 0.0000 | 88.664 | 0.48916 | 0.00000 | 316523.1 | 134949.5 | 100632.1 | S |
| 32.117 | 0.0000 | 0.0000 | 88.664 | 0.48899 | 0.00000 | 316523.1 | 134964.1 | 100632.1 | S |
| 32.125 | 0.0000 | 0.0000 | 88.663 | 0.48881 | 0.00000 | 316523.1 | 134978.8 | 100632.1 | S |
| 32.133 | 0.0000 | 0.0000 | 88.663 | 0.48864 | 0.00000 | 316523.1 | 134993.5 | 100632.1 | S |
| 32.142 | 0.0000 | 0.0000 | 88.662 | 0.48847 | 0.00000 | 316523.1 | 135008.1 | 100632.1 | S |
| 32.150 | 0.0000 | 0.0000 | 88.661 | 0.48830 | 0.00000 | 316523.1 | 135022.8 | 100632.1 | S |
| 32.158 | 0.0000 | 0.0000 | 88.661 | 0.48813 | 0.00000 | 316523.1 | 135037.4 | 100632.1 | S |
| 32.167 | 0.0000 | 0.0000 | 88.660 | 0.48795 | 0.00000 | 316523.1 | 135052.0 | 100632.1 | S |
| 32.175 | 0.0000 | 0.0000 | 88.660 | 0.48778 | 0.00000 | 316523.1 | 135066.7 | 100632.1 | S |
| 32.183 | 0.0000 | 0.0000 | 88.659 | 0.48761 | 0.00000 | 316523.1 | 135081.3 | 100632.1 | S |
| 32.192 | 0.0000 | 0.0000 | 88.659 | 0.48744 | 0.00000 | 316523.1 | 135095.9 | 100632.1 | S |
| 32.200 | 0.0000 | 0.0000 | 88.658 | 0.48727 | 0.00000 | 316523.1 | 135110.6 | 100632.1 | S |
| 32.208 | 0.0000 | 0.0000 | 88.657 | 0.48710 | 0.00000 | 316523.1 | 135125.2 | 100632.1 | S |
| 32.217 | 0.0000 | 0.0000 | 88.657 | 0.48693 | 0.00000 | 316523.1 | 135139.8 | 100632.1 | S |
| 32.225 | 0.0000 | 0.0000 | 88.656 | 0.48676 | 0.00000 | 316523.1 | 135154.4 | 100632.1 | S |
| 32.233 | 0.0000 | 0.0000 | 88.656 | 0.48659 | 0.00000 | 316523.1 | 135169.0 | 100632.1 | S |
| 32.242 | 0.0000 | 0.0000 | 88.655 | 0.48642 | 0.00000 | 316523.1 | 135183.6 | 100632.1 | S |
| 32.250 | 0.0000 | 0.0000 | 88.654 | 0.48625 | 0.00000 | 316523.1 | 135198.2 | 100632.1 | S |
| 32.258 | 0.0000 | 0.0000 | 88.654 | 0.48608 | 0.00000 | 316523.1 | 135212.8 | 100632.1 | S |
| 32.267 | 0.0000 | 0.0000 | 88.653 | 0.48591 | 0.00000 | 316523.1 | 135227.3 | 100632.1 | S |
| 32.275 | 0.0000 | 0.0000 | 88.653 | 0.48574 | 0.00000 | 316523.1 | 135241.9 | 100632.1 | S |
| 32.283 | 0.0000 | 0.0000 | 88.652 | 0.48557 | 0.00000 | 316523.1 | 135256.5 | 100632.1 | S |
| 32.292 | 0.0000 | 0.0000 | 88.651 | 0.48540 | 0.00000 | 316523.1 | 135271.0 | 100632.1 | S |
| 32.300 | 0.0000 | 0.0000 | 88.651 | 0.48523 | 0.00000 | 316523.1 | 135285.6 | 100632.1 | S |
| 32.308 | 0.0000 | 0.0000 | 88.650 | 0.48506 | 0.00000 | 316523.1 | 135300.2 | 100632.1 | S |
| 32.317 | 0.0000 | 0.0000 | 88.650 | 0.48489 | 0.00000 | 316523.1 | 135314.7 | 100632.1 | S |
| 32.325 | 0.0000 | 0.0000 | 88.649 | 0.48472 | 0.00000 | 316523.1 | 135329.3 | 100632.1 | S |
| 32.333 | 0.0000 | 0.0000 | 88.648 | 0.48455 | 0.00000 | 316523.1 | 135343.8 | 100632.1 | S |
| 32.342 | 0.0000 | 0.0000 | 88.648 | 0.48438 | 0.00000 | 316523.1 | 135358.3 | 100632.1 | S |
| 32.350 | 0.0000 | 0.0000 | 88.647 | 0.48421 | 0.00000 | 316523.1 | 135372.9 | 100632.1 | S |
| 32.358 | 0.0000 | 0.0000 | 88.647 | 0.48404 | 0.00000 | 316523.1 | 135387.4 | 100632.1 | S |
| 32.367 | 0.0000 | 0.0000 | 88.646 | 0.48387 | 0.00000 | 316523.1 | 135401.9 | 100632.1 | S |
| 32.375 | 0.0000 | 0.0000 | 88.646 | 0.48371 | 0.00000 | 316523.1 | 135416.4 | 100632.1 | S |
| 32.383 | 0.0000 | 0.0000 | 88.645 | 0.48354 | 0.00000 | 316523.1 | 135430.9 | 100632.1 | S |
| 32.392 | 0.0000 | 0.0000 | 88.644 | 0.48337 | 0.00000 | 316523.1 | 135445.4 | 100632.1 | S |
| 32.400 | 0.0000 | 0.0000 | 88.644 | 0.48320 | 0.00000 | 316523.1 | 135459.9 | 100632.1 | S |
| 32.408 | 0.0000 | 0.0000 | 88.643 | 0.48303 | 0.00000 | 316523.1 | 135474.4 | 100632.1 | S |
| 32.417 | 0.0000 | 0.0000 | 88.643 | 0.48287 | 0.00000 | 316523.1 | 135488.9 | 100632.1 | S |
| 32.425 | 0.0000 | 0.0000 | 88.642 | 0.48270 | 0.00000 | 316523.1 | 135503.4 | 100632.1 | S |
| 32.433 | 0.0000 | 0.0000 | 88.641 | 0.48253 | 0.00000 | 316523.1 | 135517.9 | 100632.1 | S |
| 32.442 | 0.0000 | 0.0000 | 88.641 | 0.48236 | 0.00000 | 316523.1 | 135532.3 | 100632.1 | S |
| 32.450 | 0.0000 | 0.0000 | 88.640 | 0.48220 | 0.00000 | 316523.1 | 135546.8 | 100632.1 | S |
| 32.458 | 0.0000 | 0.0000 | 88.640 | 0.48203 | 0.00000 | 316523.1 | 135561.3 | 100632.1 | S |
| 32.467 | 0.0000 | 0.0000 | 88.639 | 0.48186 | 0.00000 | 316523.1 | 135575.7 | 100632.1 | S |
| 32.475 | 0.0000 | 0.0000 | 88.638 | 0.48169 | 0.00000 | 316523.1 | 135590.2 | 100632.1 | S |
| 32.483 | 0.0000 | 0.0000 | 88.638 | 0.48153 | 0.00000 | 316523.1 | 135604.6 | 100632.1 | S |
| 32.492 | 0.0000 | 0.0000 | 88.637 | 0.48136 | 0.00000 | 316523.1 | 135619.1 | 100632.1 | S |
| 32.500 | 0.0000 | 0.0000 | 88.637 | 0.48119 | 0.00000 | 316523.1 | 135633.5 | 100632.1 | S |
| 32.508 | 0.0000 | 0.0000 | 88.636 | 0.48103 | 0.00000 | 316523.1 | 135648.0 | 100632.1 | S |
| 32.517 | 0.0000 | 0.0000 | 88.636 | 0.48086 | 0.00000 | 316523.1 | 135662.4 | 100632.1 | S |
| 32.525 | 0.0000 | 0.0000 | 88.635 | 0.48070 | 0.00000 | 316523.1 | 135676.8 | 100632.1 | S |
| 32.533 | 0.0000 | 0.0000 | 88.634 | 0.48053 | 0.00000 | 316523.1 | 135691.2 | 100632.1 | S |
| 32.542 | 0.0000 | 0.0000 | 88.634 | 0.48036 | 0.00000 | 316523.1 | 135705.6 | 100632.1 | S |
| 32.550 | 0.0000 | 0.0000 | 88.633 | 0.48020 | 0.00000 | 316523.1 | 135720.0 | 100632.1 | S |
| 32.558 | 0.0000 | 0.0000 | 88.633 | 0.48003 | 0.00000 | 316523.1 | 135734.5 | 100632.1 | S |
| 32.567 | 0.0000 | 0.0000 | 88.632 | 0.47987 | 0.00000 | 316523.1 | 135748.8 | 100632.1 | S |
| 32.575 | 0.0000 | 0.0000 | 88.631 | 0.47970 | 0.00000 | 316523.1 | 135763.2 | 100632.1 | S |
| 32.583 | 0.0000 | 0.0000 | 88.631 | 0.47954 | 0.00000 | 316523.1 | 135777.6 | 100632.1 | S |
| 32.592 | 0.0000 | 0.0000 | 88.630 | 0.47937 | 0.00000 | 316523.1 | 135792.0 | 100632.1 | S |
| 32.600 | 0.0000 | 0.0000 | 88.630 | 0.47921 | 0.00000 | 316523.1 | 135806.4 | 100632.1 | S |
| 32.608 | 0.0000 | 0.0000 | 88.629 | 0.47904 | 0.00000 | 316523.1 | 135820.8 | 100632.1 | S |
| 32.617 | 0.0000 | 0.0000 | 88.628 | 0.47888 | 0.00000 | 316523.1 | 135835.1 | 100632.1 | S |
| 32.625 | 0.0000 | 0.0000 | 88.628 | 0.47871 | 0.00000 | 316523.1 | 135849.5 | 100632.1 | S |
| 32.633 | 0.0000 | 0.0000 | 88.627 | 0.47855 | 0.00000 | 316523.1 | 135863.9 | 100632.1 | S |
| 32.642 | 0.0000 | 0.0000 | 88.627 | 0.47838 | 0.00000 | 316523.1 | 135878.2 | 100632.1 | S |
| 32.650 | 0.0000 | 0.0000 | 88.626 | 0.47822 | 0.00000 | 316523.1 | 135892.6 | 100632.1 | S |
| 32.658 | 0.0000 | 0.0000 | 88.626 | 0.47805 | 0.00000 | 316523.1 | 135906.9 | 100632.1 | S |
| 32.667 | 0.0000 | 0.0000 | 88.625 | 0.47789 | 0.00000 | 316523.1 | 135921.3 | 100632.1 | S |
| 32.675 | 0.0000 | 0.0000 | 88.624 | 0.47772 | 0.00000 | 316523.1 | 135935.6 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario $1::$ pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (fi/day) | Stage Elevation (ft datum) | Infiltration Rate (f13/s) | Overflow <br> Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32.683 | 0.0000 | 0.0000 | 88.624 | 0.47756 | 0.00000 | 316523.1 | 135949.9 | 100632.1 | S |
| 32.692 | 0.0000 | 0.0000 | 88.623 | 0.47740 | 0.00000 | 316523.1 | 135964.2 | 100632.1 | S |
| 32.700 | 0.0000 | 0.0000 | 88.623 | 0.47723 | 0.00000 | 316523.1 | 135978.5 | 100632.1 | S |
| 32.708 | 0.0000 | 0.0000 | 88.622 | 0.47707 | 0.00000 | 316523.1 | 135992.9 | 100632.1 | S |
| 32.717 | 0.0000 | 0.0000 | 88.621 | 0.47691 | 0.00000 | 316523.1 | 136007.2 | 100632.1 | S |
| 32.725 | 0.0000 | 0.0000 | 88.621 | 0.47674 | 0.00000 | 316523.1 | 136021.5 | 100632.1 | S |
| 32.733 | 0.0000 | 0.0000 | 88.620 | 0.47658 | 0.00000 | 316523.1 | 136035.8 | 100632.1 | S |
| 32.742 | 0.0000 | 0.0000 | 88.620 | 0.47642 | 0.00000 | 316523.1 | 136050.1 | 100632.1 | S |
| 32.750 | 0.0000 | 0.0000 | 88.619 | 0.47625 | 0.00000 | 316523.1 | 136064.4 | 100632.1 | S |
| 32.758 | 0.0000 | 0.0000 | 88.619 | 0.47609 | 0.00000 | 316523.1 | 136078.6 | 100632.1 | S |
| 32.767 | 0.0000 | 0.0000 | 88.618 | 0.47593 | 0.00000 | 316523.1 | 136092.9 | 100632.1 | S |
| 32.775 | 0.0000 | 0.0000 | 88.617 | 0.47576 | 0.00000 | 316523.1 | 136107.2 | 100632.1 | S |
| 32.783 | 0.0000 | 0.0000 | 88.617 | 0.47560 | 0.00000 | 316523.1 | 136121.5 | 100632.1 | S |
| 32.792 | 0.0000 | 0.0000 | 88.616 | 0.47544 | 0.00000 | 316523.1 | 136135.7 | 100632.1 | S |
| 32.800 | 0.0000 | 0.0000 | 88.616 | 0.47528 | 0.00000 | 316523.1 | 136150.0 | 100632.1 | S |
| 32.808 | 0.0000 | 0.0000 | 88.615 | 0.47512 | 0.00000 | 316523.1 | 136164.3 | 100632.1 | S |
| 32.817 | 0.0000 | 0.0000 | 88.614 | 0.47495 | 0.00000 | 316523.1 | 136178.5 | 100632.1 | S |
| 32.825 | 0.0000 | 0.0000 | 88.614 | 0.47479 | 0.00000 | 316523.1 | 136192.8 | 100632.1 | S |
| 32.833 | 0.0000 | 0.0000 | 88.613 | 0.47463 | 0.00000 | 316523.1 | 136207.0 | 100632.1 | S |
| 32.842 | 0.0000 | 0.0000 | 88.613 | 0.47447 | 0.00000 | 316523.1 | 136221.2 | 100632.1 | S |
| 32.850 | 0.0000 | 0.0000 | 88.612 | 0.47431 | 0.00000 | 316523.1 | 136235.5 | 100632.1 | S |
| 32.858 | 0.0000 | 0.0000 | 88.612 | 0.47414 | 0.00000 | 316523.1 | 136249.7 | 100632.1 | S |
| 32.867 | 0.0000 | 0.0000 | 88.611 | 0.47398 | 0.00000 | 316523.1 | 136263.9 | 100632.1 | S |
| 32.875 | 0.0000 | 0.0000 | 88.610 | 0.47382 | 0.00000 | 316523.1 | 136278.1 | 100632.1 | S |
| 32.883 | 0.0000 | 0.0000 | 88.610 | 0.47366 | 0.00000 | 316523.1 | 136292.3 | 100632.1 | S |
| 32.892 | 0.0000 | 0.0000 | 88.609 | 0.47350 | 0.00000 | 316523.1 | 136306.5 | 100632.1 | S |
| 32.900 | 0.0000 | 0.0000 | 88.609 | 0.47334 | 0.00000 | 316523.1 | 136320.8 | 100632.1 | S |
| 32.908 | 0.0000 | 0.0000 | 88.608 | 0.47318 | 0.00000 | 316523.1 | 136335.0 | 100632.1 | S |
| 32.917 | 0.0000 | 0.0000 | 88.608 | 0.47302 | 0.00000 | 316523.1 | 136349.1 | 100632.1 | S |
| 32.925 | 0.0000 | 0.0000 | 88.607 | 0.47286 | 0.00000 | 316523.1 | 136363.3 | 100632.1 | S |
| 32.933 | 0.0000 | 0.0000 | 88.606 | 0.47270 | 0.00000 | 316523.1 | 136377.5 | 100632.1 | S |
| 32.942 | 0.0000 | 0.0000 | 88.606 | 0.47254 | 0.00000 | 316523.1 | 136391.7 | 100632.1 | S |
| 32.950 | 0.0000 | 0.0000 | 88.605 | 0.47238 | 0.00000 | 316523.1 | 136405.9 | 100632.1 | S |
| 32.958 | 0.0000 | 0.0000 | 88.605 | 0.47222 | 0.00000 | 316523.1 | 136420.0 | 100632.1 | S |
| 32.967 | 0.0000 | 0.0000 | 88.604 | 0.47206 | 0.00000 | 316523.1 | 136434.2 | 100632.1 | S |
| 32.975 | 0.0000 | 0.0000 | 88.603 | 0.47190 | 0.00000 | 316523.1 | 136448.4 | 100632.1 | S |
| 32.983 | 0.0000 | 0.0000 | 88.603 | 0.47174 | 0.00000 | 316523.1 | 136462.5 | 100632.1 | S |
| 32.992 | 0.0000 | 0.0000 | 88.602 | 0.47158 | 0.00000 | 316523.1 | 136476.7 | 100632.1 | S |
| 33.000 | 0.0000 | 0.0000 | 88.602 | 0.47142 | 0.00000 | 316523.1 | 136490.8 | 100632.1 | S |
| 33.008 | 0.0000 | 0.0000 | 88.601 | 0.47126 | 0.00000 | 316523.1 | 136505.0 | 100632.1 | S |
| 33.017 | 0.0000 | 0.0000 | 88.601 | 0.47110 | 0.00000 | 316523.1 | 136519.1 | 100632.1 | S |
| 33.025 | 0.0000 | 0.0000 | 88.600 | 0.47094 | 0.00000 | 316523.1 | 136533.2 | 100632.1 | S |
| 33.033 | 0.0000 | 0.0000 | 88.599 | 0.47078 | 0.00000 | 316523.1 | 136547.3 | 100632.1 | S |
| 33.042 | 0.0000 | 0.0000 | 88.599 | 0.47062 | 0.00000 | 316523.1 | 136561.5 | 100632.1 | S |
| 33.050 | 0.0000 | 0.0000 | 88.598 | 0.47046 | 0.00000 | 316523.1 | 136575.6 | 100632.1 | S |
| 33.058 | 0.0000 | 0.0000 | 88.598 | 0.47030 | 0.00000 | 316523.1 | 136589.7 | 100632.1 | S |
| 33.067 | 0.0000 | 0.0000 | 88.597 | 0.47014 | 0.00000 | 316523.1 | 136603.8 | 100632.1 | S |
| 33.075 | 0.0000 | 0.0000 | 88.597 | 0.46999 | 0.00000 | 316523.1 | 136617.9 | 100632.1 | S |
| 33.083 | 0.0000 | 0.0000 | 88.596 | 0.46983 | 0.00000 | 316523.1 | 136632.0 | 100632.1 | S |
| 33.092 | 0.0000 | 0.0000 | 88.595 | 0.46967 | 0.00000 | 316523.1 | 136646.1 | 100632.1 | S |
| 33.100 | 0.0000 | 0.0000 | 88.595 | 0.46951 | 0.00000 | 316523.1 | 736660.2 | 100632.1 | S |
| 33.108 | 0.0000 | 0.0000 | 88.594 | 0.46935 | 0.00000 | 316523.1 | 136674.3 | 100632.1 | S |
| 33.117 | 0.0000 | 0.0000 | 88.594 | 0.46919 | 0.00000 | 316523.1 | 136688.3 | 100632.1 | S |
| 33.125 | 0.0000 | 0.0000 | 88.593 | 0.46904 | 0.00000 | 316523.1 | 136702.4 | 100632.1 | S |
| 33.133 | 0.0000 | 0.0000 | 88.593 | 0.46888 | 0.00000 | 316523.1 | 136716.5 | 100632.1 | S |
| 33.142 | 0.0000 | 0.0000 | 88.592 | 0.46872 | 0.00000 | 316523.1 | 136730.5 | 100632.1 | S |
| 33.150 | 0.0000 | 0.0000 | 88.591 | 0.46856 | 0.00000 | 316523.1 | 136744.6 | 100632.1 | S |
| 33.158 | 0.0000 | 0.0000 | 88.591 | 0.46841 | 0.00000 | 316523.1 | 136758.7 | 100632.1 | S |
| 33.167 | 0.0000 | 0.0000 | 88.590 | 0.46825 | 0.00000 | 316523.1 | 136772.7 | 100632.1 | S |
| 33.175 | 0.0000 | 0.0000 | 88.590 | 0.46809 | 0.00000 | 316523.1 | 136786.8 | 100632.1 | S |
| 33.183 | 0.0000 | 0.0000 | 88.589 | 0.46793 | 0.00000 | 316523.1 | 136800.8 | 100632.1 | S |
| 33.192 | 0.0000 | 0.0000 | 88.588 | 0.46778 | 0.00000 | 316523.1 | 136814.8 | 100632.1 | S |
| 33.200 | 0.0000 | 0.0000 | 88.588 | 0.46762 | 0.00000 | 316523.1 | 136828.9 | 100632.1 | S |
| 33.208 | 0.0000 | 0.0000 | 88.587 | 0.46746 | 0.00000 | 316523.1 | 136842.9 | 100632.1 | S |
| 33.217 | 0.0000 | 0.0000 | 88.587 | 0.46731 | 0.00000 | 316523.1 | 136856.9 | 100632.1 | S |
| 33.225 | 0.0000 | 0.0000 | 88.586 | 0.46715 | 0.00000 | 316523.1 | 136870.9 | 100632.1 | S |
| 33.233 | 0.0000 | 0.0000 | 88.586 | 0.46699 | 0.00000 | 316523.1 | 136884.9 | 100632.1 | S |
| 33.242 | 0.0000 | 0.0000 | 88.585 | 0.46684 | 0.00000 | 316523.1 | 136898.9 | 100632.1 | S |
| 33.250 | 0.0000 | 0.0000 | 88.584 | 0.46668 | 0.00000 | 316523.1 | 136912.9 | 100632.1 | S |
| 33.258 | 0.0000 | 0.0000 | 88.584 | 0.46653 | 0.00000 | 316523.1 | 136926.9 | 100632.1 | S |
| 33.267 | 0.0000 | 0.0000 | 88.583 | 0.46637 | 0.00000 | 316523.1 | 136940.9 | 100632.1 | S |
| 33.275 | 0.0000 | 0.0000 | 88.583 | 0.46621 | 0.00000 | 316523.1 | 136954.9 | 100632.1 | S |
| 33.283 | 0.0000 | 0.0000 | 88.582 | 0.46606 | 0.00000 | 316523.1 | 136968.9 | 100632.1 | S |
| 33.292 | 0.0000 | 0.0000 | 88.582 | 0.46590 | 0.00000 | 316523.1 | 136982.9 | 100632.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge ( $1 /$ day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume (ft ${ }^{\text {) }}$ | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 33.300 | 0.0000 | 0.0000 | 88.581 | 0.46575 | 0.00000 | 316523.1 | 136996.9 | 100632.1 | S |
| 33.308 | 0.0000 | 0.0000 | 88.580 | 0.46559 | 0.00000 | 316523.1 | 137010.8 | 100632.1 | S |
| 33.317 | 0.0000 | 0.0000 | 88.580 | 0.46544 | 0.00000 | 316523.1 | 137024.8 | 100632.1 | S |
| 33.325 | 0.0000 | 0.0000 | 88.579 | 0.46528 | 0.00000 | 316523.1 | 137038.8 | 100632.1 | S |
| 33.333 | 0.0000 | 0.0000 | 88.579 | 0.46513 | 0.00000 | 316523.1 | 137052.7 | 100632.1 | S |
| 33.342 | 0.0000 | 0.0000 | 88.578 | 0.46497 | 0.00000 | 316523.1 | 137066.7 | 100632.1 | S |
| 33.350 | 0.0000 | 0.0000 | 88.578 | 0.46482 | 0.00000 | 316523.1 | 137080.6 | 100632.1 | S |
| 33.358 | 0.0000 | 0.0000 | 88.577 | 0.46466 | 0.00000 | 316523.1 | 137094.6 | 100632.1 | S |
| 33.367 | 0.0000 | 0.0000 | 88.576 | 0.46451 | 0.00000 | 316523.1 | 137108.5 | 100632.1 | S |
| 33.375 | 0.0000 | 0.0000 | 88.576 | 0.46435 | 0.00000 | 316523.1 | 137122.4 | 100632.1 | S |
| 33.383 | 0.0000 | 0.0000 | 88.575 | 0.46420 | 0.00000 | 316523.1 | 137136.4 | 100632.1 | S |
| 33.392 | 0.0000 | 0.0000 | 88.575 | 0.46404 | 0.00000 | 316523.1 | 137150.3 | 100632.1 | S |
| 33.400 | 0.0000 | 0.0000 | 88.574 | 0.46389 | 0.00000 | 316523.1 | 137164.2 | 100632.1 | S |
| 33.408 | 0.0000 | 0.0000 | 88.574 | 0.46373 | 0.00000 | 316523.1 | 137178.1 | 100632.1 | S |
| 33.417 | 0.0000 | 0.0000 | 88.573 | 0.46358 | 0.00000 | 316523.1 | 137192.0 | 100632.1 | S |
| 33.425 | 0.0000 | 0.0000 | 88.572 | 0.46343 | 0.00000 | 316523.1 | 137205.9 | 100632.1 | S |
| 33.433 | 0.0000 | 0.0000 | 88.572 | 0.46327 | 0.00000 | 316523.1 | 137219.8 | 100632.1 | S |
| 33.442 | 0.0000 | 0.0000 | 88.571 | 0.46312 | 0.00000 | 316523.1 | 137233.7 | 100632.1 | S |
| 33.450 | 0.0000 | 0.0000 | 88.571 | 0.46296 | 0.00000 | 316523.1 | 137247.6 | 100632.1 | S |
| 33.458 | 0.0000 | 0.0000 | 88.570 | 0.46281 | 0.00000 | 316523.1 | 137261.5 | 100632.1 | S |
| 33.467 | 0.0000 | 0.0000 | 88.570 | 0.46266 | 0.00000 | 316523.1 | 137275.4 | 100632.1 | S |
| 33.475 | 0.0000 | 0.0000 | 88.569 | 0.46250 | 0.00000 | 316523.1 | 137289.3 | 100632.1 | S |
| 33.483 | 0.0000 | 0.0000 | 88.568 | 0.46235 | 0.00000 | 316523.1 | 137303.1 | 100632.1 | S |
| 33.492 | 0.0000 | 0.0000 | 88.568 | 0.46220 | 0.00000 | 316523.1 | 137317.0 | 100632.1 | S |
| 33.500 | 0.0000 | 0.0000 | 88.567 | 0.46205 | 0.00000 | 316523.1 | 137330.9 | 100632.1 | S |
| 33.508 | 0.0000 | 0.0000 | 88.567 | 0.46189 | 0.00000 | 316523.1 | 137344.7 | 100632.1 | S |
| 33.517 | 0.0000 | 0.0000 | 88.566 | 0.46174 | 0.00000 | 316523.1 | 137358.6 | 100632.1 | S |
| 33.525 | 0.0000 | 0.0000 | 88.566 | 0.46159 | 0.00000 | 316523.1 | 137372.4 | 100632.1 | S |
| 33.533 | 0.0000 | 0.0000 | 88.565 | 0.46143 | 0.00000 | 316523.1 | 137386.3 | 100632.1 | S |
| 33.542 | 0.0000 | 0.0000 | 88.564 | 0.46128 | 0.00000 | 316523.1 | 137400.1 | 100632.1 | S |
| 33.550 | 0.0000 | 0.0000 | 88.564 | 0.46113 | 0.00000 | 316523.1 | 137414.0 | 100632.1 | S |
| 33.558 | 0.0000 | 0.0000 | 88.563 | 0.46098 | 0.00000 | 316523.1 | 137427.8 | 100632.1 | S |
| 33.567 | 0.0000 | 0.0000 | 88.563 | 0.46082 | 0.00000 | 316523.1 | 137441.6 | 100632.1 | S |
| 33.575 | 0.0000 | 0.0000 | 88.562 | 0.46067 | 0.00000 | 316523.1 | 137455.4 | 100632.1 | S |
| 33.583 | 0.0000 | 0.0000 | 88.562 | 0.46052 | 0.00000 | 316523.1 | 137469.3 | 100632.1 | S |
| 33.592 | 0.0000 | 0.0000 | 88.561 | 0.46037 | 0.00000 | 316523.1 | 137483.1 | 100632.1 | S |
| 33.600 | 0.0000 | 0.0000 | 88.561 | 0.46022 | 0.00000 | 316523.1 | 137496.9 | 100632.1 | S |
| 33.608 | 0.0000 | 0.0000 | 88.560 | 0.46007 | 0.00000 | 316523.1 | 137510.7 | 100632.1 | S |
| 33.617 | 0.0000 | 0.0000 | 88.559 | 0.45991 | 0.00000 | 316523.1 | 137524.5 | 100632.1 | S |
| 33.625 | 0.0000 | 0.0000 | 88.559 | 0.45976 | 0.00000 | 316523.1 | 137538.3 | 100632.1 | S |
| 33.633 | 0.0000 | 0.0000 | 88.558 | 0.45961 | 0.00000 | 316523.1 | 137552.1 | 100632.1 | S |
| 33.642 | 0.0000 | 0.0000 | 88.558 | 0.45946 | 0.00000 | 316523.1 | 137565.8 | 100632.1 | S |
| 33.650 | 0.0000 | 0.0000 | 88.557 | 0.45931 | 0.00000 | 316523.1 | 137579.6 | 100632.1 | S |
| 33.658 | 0.0000 | 0.0000 | 88.557 | 0.45916 | 0.00000 | 316523.1 | 137593.4 | 100632.1 | S |
| 33.667 | 0.0000 | 0.0000 | 88.556 | 0.45901 | 0.00000 | 316523.1 | 137607.2 | 100632.1 | S |
| 33.675 | 0.0000 | 0.0000 | 88.555 | 0.45886 | 0.00000 | 316523.1 | 137620.9 | 100632.1 | S |
| 33.683 | 0.0000 | 0.0000 | 88.555 | 0.45871 | 0.00000 | 316523.1 | 137634.7 | 100632.1 | S |
| 33.692 | 0.0000 | 0.0000 | 88.554 | 0.45855 | 0.00000 | 316523.1 | 137648.5 | 100632.1 | S |
| 33.700 | 0.0000 | 0.0000 | 88.554 | 0.45840 | 0.00000 | 316523.1 | 137662.2 | 100632.1 | S |
| 33.708 | 0.0000 | 0.0000 | 88.553 | 0.45825 | 0.00000 | 316523.1 | 137676.0 | 100632.1 | S |
| 33.717 | 0.0000 | 0.0000 | 88.553 | 0.45810 | 0.00000 | 316523.1 | 137689.7 | 100632.1 | S |
| 33.725 | 0.0000 | 0.0000 | 88.552 | 0.45795 | 0.00000 | 316523.1 | 137703.5 | 100632.1 | S |
| 33.733 | 0.0000 | 0.0000 | 88.551 | 0.45780 | 0.00000 | 316523.1 | 137717.2 | 100632.1 | S |
| 33.742 | 0.0000 | 0.0000 | 88.551 | 0.45765 | 0.00000 | 316523.1 | 137730.9 | 100632.1 | S |
| 33.750 | 0.0000 | 0.0000 | 88.550 | 0.45750 | 0.00000 | 316523.1 | 137744.7 | 100632.1 | S |
| 33.758 | 0.0000 | 0.0000 | 88.550 | 0.45735 | 0.00000 | 316523.1 | 137758.4 | 100632.1 | S |
| 33.767 | 0.0000 | 0.0000 | 88.549 | 0.45720 | 0.00000 | 316523.1 | 137772.1 | 100632.1 | S |
| 33.775 | 0.0000 | 0.0000 | 88.549 | 0.45705 | 0.00000 | 316523.1 | 137785.8 | 100632.1 | S |
| 33.783 | 0.0000 | 0.0000 | 88.548 | 0.45690 | 0.00000 | 316523.1 | 137799.5 | 100632.1 | S |
| 33.792 | 0.0000 | 0.0000 | 88.548 | 0.45676 | 0.00000 | 316523.1 | 137813.2 | 100632.1 | S |
| 33.800 | 0.0000 | 0.0000 | 88.547 | 0.45661 | 0.00000 | 316523.1 | 137826.9 | 100632.1 | S |
| 33.808 | 0.0000 | 0.0000 | 88.546 | 0.45646 | 0.00000 | 316523.1 | 137840.6 | 100632.1 | S |
| 33.817 | 0.0000 | 0.0000 | 88.546 | 0.45631 | 0.00000 | 316523.1 | 137854.3 | 100632.1 | S |
| 33.825 | 0.0000 | 0.0000 | 88.545 | 0.45616 | 0.00000 | 316523.1 | 137868.0 | 100632.1 | S |
| 33.833 | 0.0000 | 0.0000 | 88.545 | 0.45601 | 0.00000 | 316523.1 | 137881.7 | 100632.1 | S |
| 33.842 | 0.0000 | 0.0000 | 88.544 | 0.45586 | 0.00000 | 316523.1 | 137895.4 | 100632.1 | S |
| 33.850 | 0.0000 | 0.0000 | 88.544 | 0.45571 | 0.00000 | 316523.1 | 137909.0 | 100632.1 | S |
| 33.858 | 0.0000 | 0.0000 | 88.543 | 0.45556 | 0.00000 | 316523.1 | 137922.7 | 100632.1 | S |
| 33.867 | 0.0000 | 0.0000 | 88.542 | 0.45541 | 0.00000 | 316523.1 | 137936.4 | 100632.1 | S |
| 33.875 | 0.0000 | 0.0000 | 88.542 | 0.45527 | 0.00000 | 316523.1 | 137950.0 | 100632.1 | S |
| 33.883 | 0.0000 | 0.0000 | 88.541 | 0.45512 | 0.00000 | 316523.1 | 137963.7 | 100632.7 | S |
| 33.892 | 0.0000 | 0.0000 | 88.541 | 0.45497 | 0.00000 | 316523.1 | 137977.3 | 100632.1 | S |
| 33.900 | 0.0000 | 0.0000 | 88.540 | 0.45482 | 0.00000 | 316523.1 | 137991.0 | 100632.1 | S |
| 33.908 | 0.0000 | 0.0000 | 88.540 | 0.45467 | 0.00000 | 316523.1 | 138004.6 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.

Detailed Results (cont, d.)
:. Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (f/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overfiow Discharge ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 33.917 | 0.0000 | 0.0000 | 88.539 | 0.45453 | 0.00000 | 316523.1 | 138018.3 | 100632.1 | S |
| 33.925 | 0.0000 | 0.0000 | 88.539 | 0.45438 | 0.00000 | 316523.1 | 138031.9 | 100632.1 | S |
| 33.933 | 0.0000 | 0.0000 | 88.538 | 0.45423 | 0.00000 | 316523.1 | 138045.5 | 100632.1 | S |
| 33.942 | 0.0000 | 0.0000 | 88.537 | 0.45408 | 0.00000 | 316523.1 | 138059.1 | 100632.1 | S |
| 33.950 | 0.0000 | 0.0000 | 88.537 | 0.45394 | 0.00000 | 316523.1 | 138072.8 | 100632.1 | S |
| 33.958 | 0.0000 | 0.0000 | 88.536 | 0.45379 | 0.00000 | 316523.1 | 138086.4 | 100632.1 | S |
| 33.967 | 0.0000 | 0.0000 | 88.536 | 0.45364 | 0.00000 | 316523.1 | 138100.0 | 100632.1 | S |
| 33.975 | 0.0000 | 0.0000 | 88.535 | 0.45349 | 0.00000 | 316523.1 | 138113.6 | 100632.1 | S |
| 33.983 | 0.0000 | 0.0000 | 88.535 | 0.45335 | 0.00000 | 316523.1 | 138127.2 | 100632.1 | S |
| 33.992 | 0.0000 | 0.0000 | 88.534 | 0.45320 | 0.00000 | 316523.1 | 138140.8 | 100632.1 | S |
| 34.000 | 0.0000 | 0.0000 | 88.533 | 0.45305 | 0.00000 | 316523.1 | 138154.4 | 100632.1 | S |
| 34.008 | 0.0000 | 0.0000 | 88.533 | 0.45291 | 0.00000 | 316523.1 | 138168.0 | 100632.1 | S |
| 34.017 | 0.0000 | 0.0000 | 88.532 | 0.45276 | 0.00000 | 316523.1 | 138181.6 | 100632.1 | S |
| 34.025 | 0.0000 | 0.0000 | 88.532 | 0.45261 | 0.00000 | 316523.1 | 138195.2 | 100632.1 | S |
| 34.033 | 0.0000 | 0.0000 | 88.531 | 0.45247 | 0.00000 | 316523.1 | 138208.7 | 100632.1 | 5 |
| 34.042 | 0.0000 | 0.0000 | 88.531 | 0.45232 | 0.00000 | 316523.1 | 138222.3 | 100632.1 | S |
| 34.050 | 0.0000 | 0.0000 | 88.530 | 0.45217 | 0.00000 | 316523.1 | 138235.9 | 100632.1 | S |
| 34.058 | 0.0000 | 0.0000 | 88.530 | 0.45203 | 0.00000 | 316523.1 | 138249.4 | 100632.1 | S |
| 34.067 | 0.0000 | 0.0000 | 88.529 | 0.45188 | 0.00000 | 316523.1 | 138263.0 | 100632.1 | S |
| 34.075 | 0.0000 | 0.0000 | 88.528 | 0.45173 | 0.00000 | 316523.1 | 138276.5 | 100632.1 | S |
| 34.083 | 0.0000 | 0.0000 | 88.528 | 0.45159 | 0.00000 | 316523.1 | 138290.1 | 100632.1 | S |
| 34.092 | 0.0000 | 0.0000 | 88.527 | 0.45144 | 0.00000 | 316523.1 | 138303.6 | 100632.1 | S |
| 34.100 | 0.0000 | 0.0000 | 88.527 | 0.45130 | 0.00000 | 316523.1 | 138317.2 | 100632. 1 | S |
| 34.108 | 0.0000 | 0.0000 | 88.526 | 0.45115 | 0.00000 | 316523.1 | 138330.7 | 100632.1 | S |
| 34.117 | 0.0000 | 0.0000 | 88.526 | 0.45101 | 0.00000 | 316523.1 | 138344.3 | 100632.1 | S |
| 34.125 | 0.0000 | 0.0000 | 88.525 | 0.45086 | 0.00000 | 316523.1 | 138357.8 | 100632.1 | S |
| 34.133 | 0.0000 | 0.0000 | 88.525 | 0.45072 | 0.00000 | 316523.1 | 138371.3 | 100632.1 | S |
| 34.142 | 0.0000 | 0.0000 | 88.524 | 0.45057 | 0.00000 | 316523.1 | 138384.8 | 100632.1 | S |
| 34.150 | 0.0000 | 0.0000 | 88.523 | 0.45042 | 0.00000 | 316523.1 | 138398.3 | 100632.1 | S |
| 34.158 | 0.0000 | 0.0000 | 88.523 | 0.45028 | 0.00000 | 316523.1 | 138411.8 | 100632.1 | S |
| 34.167 | 0.0000 | 0.0000 | 88.522 | 0.45013 | 0.00000 | 316523.1 | 138425.3 | 100632.1 | S |
| 34.175 | 0.0000 | 0.0000 | 88.522 | 0.44999 | 0.00000 | 316523.1 | 138438.9 | 100632.1 | S |
| 34.183 | 0.0000 | 0.0000 | 88.521 | 0.44985 | 0.00000 | 316523.1 | 138452.3 | 100632.1 | S |
| 34.192 | 0.0000 | 0.0000 | 88.521 | 0.44970 | 0.00000 | 316523.1 | 138465.8 | 100632.1 | S |
| 34.200 | 0.0000 | 0.0000 | 88.520 | 0.44956 | 0.00000 | 316523.1 | 138479.3 | 100632.1 | S |
| 34.208 | 0.0000 | 0.0000 | 88.519 | 0.44941 | 0.00000 | 316523.1 | 138492.8 | 100632.1 | S |
| 34.217 | 0.0000 | 0.0000 | 88.519 | 0.44927 | 0.00000 | 316523.1 | 138506.3 | 100632.1 | S |
| 34.225 | 0.0000 | 0.0000 | 88.518 | 0.44912 | 0.00000 | 316523.1 | 138519.8 | 100632.1 | S |
| 34.233 | 0.0000 | 0.0000 | 88.518 | 0.44898 | 0.00000 | 316523.1 | 138533.3 | 100632.1 | 5 |
| 34.242 | 0.0000 | 0.0000 | 88.517 | 0.44883 | 0.00000 | 316523.1 | 138546.7 | 100632.1 | S |
| 34.250 | 0.0000 | 0.0000 | 88.517 | 0.44869 | 0.00000 | 316523.7 | 138560.2 | 100632.1 | 5 |
| 34.258 | 0.0000 | 0.0000 | 88.516 | 0.44855 | 0.00000 | 316523.1 | 138573.6 | 100632.1 | 5 |
| 34.267 | 0.0000 | 0.0000 | 88.516 | 0.44840 | 0.00000 | 316523.1 | 138587.1 | 100632.1 | S |
| 34.275 | 0.0000 | 0.0000 | 88.515 | 0.44826 | 0.00000 | 316523.1 | $\ddagger 38600.5$ | 100632.1 | S |
| 34.283 | 0.0000 | 0.0000 | 88.514 | 0.44812 | 0.00000 | 316523.1 | 138614.0 | 100632.1 | S |
| 34.292 | 0.0000 | 0.0000 | 88.514 | 0.44797 | 0.00000 | 316523.1 | 138627.4 | 100632.1 | S |
| 34.300 | 0.0000 | 0.0000 | 88.513 | 0.44783 | 0.00000 | 316523.1 | 138640.9 | 100632.1 | S |
| 34.308 | 0.0000 | 0.0000 | 88.513 | 0.44769 | 0.00000 | 316523.1 | 138654.3 | 100632.1 | S |
| 34.317 | 0.0000 | 0.0000 | 88.512 | 0.44754 | 0.00000 | 316523.1 | 138667.7 | 100632.1 | S |
| 34.325 | 0.0000 | 0.0000 | 88.512 | 0.44740 | 0.00000 | 316523.1 | 138681.1 | 100632.1 | S |
| 34.333 | 0.0000 | 0.0000 | 88.511 | 0.44726 | 0.00000 | 316523.1 | 138694.6 | 100632.1 | S |
| 34.342 | 0.0000 | 0.0000 | 88.511 | 0.44711 | 0.00000 | 316523.1 | 138708.0 | 100632.1 | S |
| 34.350 | 0.0000 | 0.0000 | 88.510 | 0.44697 | 0.00000 | 316523.1 | 138721.4 | 100632.1 | S |
| 34.358 | 0.0000 | 0.0000 | 88.509 | 0.44683 | 0.00000 | 316523.1 | 138734.8 | 100632.1 | S |
| 34.367 | 0.0000 | 0.0000 | 88.509 | 0.44668 | 0.00000 | 316523.1 | 138748.2 | 100632.1 | S |
| 34.375 | 0.0000 | 0.0000 | 88.508 | 0.44654 | 0.00000 | 316523.1 | 138761.6 | 100632.1 | S |
| 34.383 | 0.0000 | 0.0000 | 88.508 | 0.44640 | 0.00000 | 316523.1 | 138775.0 | 100632.1 | S |
| 34.392 | 0.0000 | 0.0000 | 88.507 | 0.44626 | 0.00000 | 316523.1 | 138788.4 | 100632.1 | S |
| 34.400 | 0.0000 | 0.0000 | 88.507 | 0.44611 | 0.00000 | 316523.1 | 138801.8 | 100632.1 | S |
| 34.408 | 0.0000 | 0.0000 | 88.506 | 0.44597 | 0.00000 | 316523.1 | 138815.2 | 100632.1 | S |
| 34.417 | 0.0000 | 0.0000 | 88.506 | 0.44583 | 0.00000 | 316523.1 | 138828.5 | 100632.1 | S |
| 34.425 | 0.0000 | 0.0000 | 88.505 | 0.44569 | 0.00000 | 316523.1 | 138841.9 | 100632.1 | S |
| 34.433 | 0.0000 | 0.0000 | 88.505 | 0.44555 | 0.00000 | 316523.1 | 138855.3 | 100632.1 | S |
| 34.442 | 0.0000 | 0.0000 | 88.504 | 0.44540 | 0.00000 | 316523.1 | \$38868.6 | 100632.1 | S |
| 34.450 | 0.0000 | 0.0000 | 88.503 | 0.44526 | 0.00000 | 316523.1 | 138882.0 | 100632.1 | S |
| 34.458 | 0.0000 | 0.0000 | 88.503 | 0.44512 | 0.00000 | 316523.1 | 138895.3 | 100632.1 | S |
| 34.467 | 0.0000 | 0.0000 | 88.502 | 0.44498 | 0.00000 | 316523.1 | 138908.7 | 100632.1 | S |
| 34.475 | 0.0000 | 0.0000 | 88.502 | 0.44484 | 0.00000 | 316523.1 | 138922.0 | 100632.1 | S |
| 34.483 | 0.0000 | 0.0000 | 88.501 | 0.44470 | 0.00000 | 316523.1 | 138935.4 | 100632.1 | S |
| 34.492 | 0.0000 | 0.0000 | 88.501 | 0.44456 | 0.00000 | 316523.1 | 138948.7 | 100632.1 | S |
| 34.500 | 0.0000 | 0.0000 | 88.500 | 0.44441 | 0.00000 | 316523.1 | 138962.1 | 100632.1 | S |
| 34.508 | 0.0000 | 0.0000 | 88.500 | 0.44427 | 0.00000 | 316523.1 | 138975.4 | 100632.1 | S |
| 34.517 | 0.0000 | 0.0000 | 88.499 | 0.44413 | 0.00000 | 316523.1 | 138988.7 | 100632.1 | S |
| 34.525 | 0.0000 | 0.0000 | 88.498 | 0.44399 | 0.00000 | 316523.1 | 139002.0 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario $1::$ pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | Inflow <br> Rate <br> ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infilltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 34.533 | 0.0000 | 0.0000 | 88.498 | 0.44385 | 0.00000 | 316523.1 | 139015.4 | 100632.1 | S |
| 34.542 | 0.0000 | 0.0000 | 88.497 | 0.44371 | 0.00000 | 316523.1 | 139028.7 | 100632.1 | S |
| 34.550 | 0.0000 | 0.0000 | 88.497 | 0.44357 | 0.00000 | 316523.1 | 139042.0 | 100632.1 | S |
| 34.558 | 0.0000 | 0.0000 | 88.496 | 0.44343 | 0.00000 | 316523.1 | 139055.3 | 100632.1 | S |
| 34.567 | 0.0000 | 0.0000 | 88.496 | 0.44329 | 0.00000 | 316523.1 | 139068.6 | 100632.1 | S |
| 34.575 | 0.0000 | 0.0000 | 88.495 | 0.44315 | 0.00000 | 316523.1 | 139081.9 | 100632.1 | S |
| 34.583 | 0.0000 | 0.0000 | 88.495 | 0.44301 | 0.00000 | 316523.1 | 139095.2 | 100632.1 | S |
| 34.592 | 0.0000 | 0.0000 | 88.494 | 0.44287 | 0.00000 | 316523.1 | 139108.5 | 100632.1 | S |
| 34.600 | 0.0000 | 0.0000 | 88.493 | 0.44273 | 0.00000 | 316523.1 | 139121.8 | 100632.1 | S |
| 34.608 | 0.0000 | 0.0000 | 88.493 | 0.44259 | 0.00000 | 316523.1 | 139135.0 | 100632.1 | S |
| 34.617 | 0.0000 | 0.0000 | 88.492 | 0.44245 | 0.00000 | 316523.1 | 139148.3 | 100632.1 | S |
| 34.625 | 0.0000 | 0.0000 | 88.492 | 0.44231 | 0.00000 | 316523.1 | 139161.6 | 100632.1 | S |
| 34.633 | 0.0000 | 0.0000 | 88.491 | 0.44217 | 0.00000 | 316523.1 | 139174.8 | 100632.1 | S |
| 34.642 | 0.0000 | 0.0000 | 88.491 | 0.44203 | 0.00000 | 316523.1 | 139188.1 | 100632.1 | S |
| 34.650 | 0.0000 | 0.0000 | 88.490 | 0.44189 | 0.00000 | 316523.1 | 139201.4 | 100632.1 | S |
| 34.658 | 0.0000 | 0.0000 | 88.490 | 0.44175 | 0.00000 | 316523.1 | 139214.6 | 100632.1 | S |
| 34.667 | 0.0000 | 0.0000 | 88.489 | 0.44161 | 0.00000 | 316523.1 | 139227.9 | 100632.1 | S |
| 34.675 | 0.0000 | 0.0000 | 88.489 | 0.44147 | 0.00000 | 316523.1 | 139241.1 | 100632.1 | S |
| 34.683 | 0.0000 | 0.0000 | 88.488 | 0.44133 | 0.00000 | 316523.1 | 139254.4 | 100632.1 | S |
| 34.692 | 0.0000 | 0.0000 | 88.487 | 0.44119 | 0.00000 | 316523.1 | 139267.6 | 100632.1 | S |
| 34.700 | 0.0000 | 0.0000 | 88.487 | 0.44105 | 0.00000 | 316523.1 | 139280.8 | 100632.1 | S |
| 34.708 | 0.0000 | 0.0000 | 88.486 | 0.44091 | 0.00000 | 316523.1 | 139294.7 | 100632.1 | S |
| 34.717 | 0.0000 | 0.0000 | 88.486 | 0.44078 | 0.00000 | 316523.1 | 139307.3 | 100632.1 | S |
| 34.725 | 0.0000 | 0.0000 | 88.485 | 0.44064 | 0.00000 | 316523.1 | 139320.5 | 100632.1 | S |
| 34.733 | 0.0000 | 0.0000 | 88.485 | 0.44050 | 0.00000 | 316523.1 | 139333.7 | 100632.1 | S |
| 34.742 | 0.0000 | 0.0000 | 88.484 | 0.44036 | 0.00000 | 316523.1 | 139346.9 | 100632.1 | S |
| 34.750 | 0.0000 | 0.0000 | 88.484 | 0.44022 | 0.00000 | 316523.1 | 139360.1 | 100632.1 | S |
| 34.758 | 0.0000 | 0.0000 | 88.483 | 0.44008 | 0.00000 | 316523.1 | 139373.3 | 100632.1 | S |
| 34.767 | 0.0000 | 0.0000 | 88.482 | 0.43994 | 0.00000 | 316523.1 | 139386.5 | 100632.1 | S |
| 34.775 | 0.0000 | 0.0000 | 88.482 | 0.43981 | 0.00000 | 316523.1 | 139399.8 | 100632.1 | S |
| 34.783 | 0.0000 | 0.0000 | 88.481 | 0.43967 | 0.00000 | 316523.1 | 139412.9 | 100632.1 | S |
| 34.792 | 0.0000 | 0.0000 | 88.481 | 0.43953 | 0.00000 | 316523.1 | 139426.1 | 100632.1 | S |
| 34.800 | 0.0000 | 0.0000 | 88.480 | 0.43939 | 0.00000 | 316523.1 | 139439.3 | 100632.1 | S |
| 34.808 | 0.0000 | 0.0000 | 88.480 | 0.43925 | 0.00000 | 316523.1 | 139452.5 | 100632.1 | S |
| 34.817 | 0.0000 | 0.0000 | 88.479 | 0.43912 | 0.00000 | 316523.1 | 139465.7 | 100632.1 | S |
| 34.825 | 0.0000 | 0.0000 | 88.479 | 0.43898 | 0.00000 | 316523.1 | 139478.8 | 100632.1 | S |
| 34.833 | 0.0000 | 0.0000 | 88.478 | 0.43884 | 0.00000 | 316523.1 | 139492.0 | 100632.1 | S |
| 34.842 | 0.0000 | 0.0000 | 88.478 | 0.43870 | 0.00000 | 316523.1 | 139505.2 | 100632.1 | S |
| 34.850 | 0.0000 | 0.0000 | 88.477 | 0.43857 | 0.00000 | 316523.1 | 139518.3 | 100632.1 | S |
| 34.858 | 0.0000 | 0.0000 | 88.476 | 0.43843 | 0.00000 | 316523.1 | 139537.5 | 100632.1 | S |
| 34.867 | 0.0000 | 0.0000 | 88.476 | 0.43829 | 0.00000 | 316523.1 | 139544.6 | 100632.1 | S |
| 34.875 | 0.0000 | 0.0000 | 88.475 | 0.43815 | 0.00000 | 316523.1 | 139557.8 | 100632.1 | S |
| 34.883 | 0.0000 | 0.0000 | 88.475 | 0.43802 | 0.00000 | 316523.1 | 139570.9 | 100632.1 | S |
| 34.892 | 0.0000 | 0.0000 | 88.474 | 0.43788 | 0.00000 | 316523.1 | 139584.1 | 100632.1 | S |
| 34.900 | 0.0000 | 0.0000 | 88.474 | 0.43774 | 0.00000 | 316523.1 | 139597.2 | 100632.1 | S |
| 34.908 | 0.0000 | 0.0000 | 88.473 | 0.43761 | 0.00000 | 316523.1 | 139610.3 | 100632.1 | S |
| 34.917 | 0.0000 | 0.0000 | 88.473 | 0.43747 | 0.00000 | 316523.1 | 139623.5 | 100632.1 | S |
| 34.925 | 0.0000 | 0.0000 | 88.472 | 0.43733 | 0.00000 | 316523.1 | 139636.6 | 100632.1 | S |
| 34.933 | 0.0000 | 0.0000 | 88.472 | 0.43720 | 0.00000 | 316523.1 | 139649.7 | 100632.1 | S |
| 34.942 | 0.0000 | 0.0000 | 88.471 | 0.43706 | 0.00000 | 316523.1 | 139662.8 | 100632.1 | S |
| 34.950 | 0.0000 | 0.0000 | 88.470 | 0.43692 | 0.00000 | 316523.1 | 139675.9 | 100632.1 | S |
| 34.958 | 0.0000 | 0.0000 | 88.470 | 0.43679 | 0.00000 | 316523.1 | 139689.0 | 100632.1 | S |
| 34.967 | 0.0000 | 0.0000 | 88.469 | 0.43665 | 0.00000 | 316523.1 | 139702.1 | 100632.1 | S |
| 34.975 | 0.0000 | 0.0000 | 88.469 | 0.43652 | 0.00000 | 316523.1 | 139715.2 | 100632.1 | S |
| 34.983 | 0.0000 | 0.0000 | 88.468 | 0.43638 | 0.00000 | 316523.1 | 139728.3 | 100632.1 | S |
| 34.992 | 0.0000 | 0.0000 | 88.468 | 0.43624 | 0.00000 | 316523.1 | 139741.4 | 100632.1 | S |
| 35.000 | 0.0000 | 0.0000 | 88.467 | 0.43611 | 0.00000 | 316523.1 | 139754.5 | 100632.1 | S |
| 35.008 | 0.0000 | 0.0000 | 88.467 | 0.43597 | 0.00000 | 316523.1 | 139767.6 | 100632.1 | S |
| 35.017 | 0.0000 | 0.0000 | 88.466 | 0.43584 | 0.00000 | 316523.1 | 139780.6 | 100632.1 | S |
| 35.025 | 0.0000 | 0.0000 | 88.466 | 0.43570 | 0.00000 | 316523.1 | 139793.7 | 100632.1 | S |
| 35.033 | 0.0000 | 0.0000 | 88.465 | 0.43556 | 0.00000 | 316523.1 | 139806.8 | 100632.1 | S |
| 35.042 | 0.0000 | 0.0000 | 88.464 | 0.43543 | 0.00000 | 316523.1 | 139819.8 | 100632.1 | S |
| 35.050 | 0.0000 | 0.0000 | 88.464 | 0.43529 | 0.00000 | 316523.1 | 139832.9 | 100632.1 | S |
| 35.058 | 0.0000 | 0.0000 | 88.463 | 0.43516 | 0.00000 | 316523.1 | 139846.0 | 100632.1 | S |
| 35.067 | 0.0000 | 0.0000 | 88.463 | 0.43502 | 0.00000 | 316523.1 | 139859.0 | 100632.1 | S |
| 35.075 | 0.0000 | 0.0000 | 88.462 | 0.43489 | 0.00000 | 316523.1 | 139872.1 | 100632.1 | S |
| 35.083 | 0.0000 | 0.0000 | 88.462 | 0.43475 | 0.00000 | 316523.1 | 139885.1 | 100632.1 | S |
| 35.092 | 0.0000 | 0.0000 | 88.461 | 0.43462 | 0.00000 | 316523.1 | 139898.2 | 100632.1 | S |
| 35.100 | 0.0000 | 0.0000 | 88.461 | 0.43448 | 0.00000 | 316523.1 | 139911.2 | 100632.1 | S |
| 35.108 | 0.0000 | 0.0000 | 88.460 | 0.43435 | 0.00000 | 316523.1 | 139924.2 | 100632.1 | S |
| 35.117 | 0.0000 | 0.0000 | 88.460 | 0.43421 | 0.00000 | 316523.1 | 139937.3 | 100632.1 | S |
| 35.125 | 0.0000 | 0.0000 | 88.459 | 0.43408 | 0.00000 | 316523.1 | 139950.3 | 100632.1 | S |
| 35.133 | 0.0000 | 0.0000 | 88.459 | 0.43395 | 0.00000 | 316523.1 | 139963.3 | 100632.1 | S |
| 35.142 | 0.0000 | 0.0000 | 88.458 | 0.43381 | 0.00000 | 316523.1 | 139976.3 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
$\because:$ Scenario $1::$ pond10 100 yr $/ 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{3 / \mathrm{s}}$ ) | Outside Recharge (fi/day) | Stage Elevation (ft datum) | Infiltration Rate (ft3/s) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 35.150 | 0.0000 | 0.0000 | 88.457 | 0.43368 | 0.00000 | 316523.1 | 139989.3 | 100632.1 | S |
| 35.158 | 0.0000 | 0.0000 | 88.457 | 0.43354 | 0.00000 | 316523.1 | 140002.3 | 100632.1 | S |
| 35.167 | 0.0000 | 0.0000 | 88.456 | 0.43341 | 0.00000 | 316523.1 | 140015.3 | 100632.1 | S |
| 35.775 | 0.0000 | 0.0000 | 88.456 | 0.43327 | 0.00000 | 316523.1 | 140028.3 | 100632.1 | S |
| 35.183 | 0.0000 | 0.0000 | 88.455 | 0.43314 | 0.00000 | 316523.1 | 140041.3 | 100632.1 | S |
| 35.192 | 0.0000 | 0.0000 | 88.455 | 0.43301 | 0.00000 | 316523.1 | 140054.3 | 100632.1 | S |
| 35.200 | 0.0000 | 0.0000 | 88.454 | 0.43287 | 0.00000 | 316523.1 | 140067.3 | 100632.1 | S |
| 35.208 | 0.0000 | 0.0000 | 88.454 | 0.43274 | 0.00000 | 316523.1 | 140080.3 | 100632.1 | S |
| 35.217 | 0.0000 | 0.0000 | 88.453 | 0.43261 | 0.00000 | 316523.1 | 140093.3 | 100632.1 | S |
| 35.225 | 0.0000 | 0.0000 | 88.453 | 0.43247 | 0.00000 | 316523.1 | 140106.3 | 100632.1 | S |
| 35.233 | 0.0000 | 0.0000 | 88.452 | 0.43234 | 0.00000 | 316523.1 | 140119.2 | 100632.1 | S |
| 35.242 | 0.0000 | 0.0000 | 88.451 | 0.43221 | 0.00000 | 316523.1 | 140132.2 | 100632.1 | S |
| 35.250 | 0.0000 | 0.0000 | 88.451 | 0.43207 | 0.00000 | 316523.1 | 140145.2 | 100632.1 | S |
| 35.258 | 0.0000 | 0.0000 | 88.450 | 0.43194 | 0.00000 | 316523.1 | 140158.1 | 100632.1 | S |
| 35.267 | 0.0000 | 0.0000 | 88.450 | 0.43181 | 0.00000 | 316523.1 | 140171.1 | 100632.1 | S |
| 35.275 | 0.0000 | 0.0000 | 88.449 | 0.43167 | 0.00000 | 316523.1 | 140184.0 | 100632.1 | S |
| 35.283 | 0.0000 | 0.0000 | 88.449 | 0.43154 | 0.00000 | 316523.1 | 140197.0 | 100632.1 | S |
| 35.292 | 0.0000 | 0.0000 | 88.448 | 0.43141 | 0.00000 | 316523.1 | 140209.9 | 100632.1 | S |
| 35.300 | 0.0000 | 0.0000 | 88.448 | 0.43127 | 0.00000 | 316523.1 | 140222.9 | 100632.1 | S |
| 35.308 | 0.0000 | 0.0000 | 88.447 | 0.43114 | 0.00000 | 316523.7 | 140235.8 | 100632.1 | S |
| 35.317 | 0.0000 | 0.0000 | 88.447 | 0.43101 | 0.00000 | 316523.7 | 140248.7 | 100632.1 | S |
| 35.325 | 0.0000 | 0.0000 | 88.446 | 0.43088 | 0.00000 | 316523.1 | 140261.7 | 100632.1 | S |
| 35.333 | 0.0000 | 0.0000 | 88.446 | 0.43074 | 0.00000 | 316523.1 | 140274.6 | 100632.1 | S |
| 35.342 | 0.0000 | 0.0000 | 88.445 | 0.43061 | 0.00000 | 316523.1 | 140287.5 | 100632.1 | S |
| 35.350 | 0.0000 | 0.0000 | 88.444 | 0.43048 | 0.00000 | 316523.1 | 140300.4 | 100632.1 | S |
| 35.358 | 0.0000 | 0.0000 | 88.444 | 0.43035 | 0.00000 | 316523.1 | 140313.3 | 100632.1 | S |
| 35.367 | 0.0000 | 0.0000 | 88.443 | 0.43021 | 0.00000 | 316523.1 | 140326.2 | 100632.1 | S |
| 35.375 | 0.0000 | 0.0000 | 88.443 | 0.43008 | 0.00000 | 316523.1 | 140339.1 | 100632.1 | S |
| 35.383 | 0.0000 | 0.0000 | 88.442 | 0.42995 | 0.00000 | 316523.1 | 140352.0 | 100632.1 | S |
| 35.392 | 0.0000 | 0.0000 | 88.442 | 0.42982 | 0.00000 | 316523.1 | 140364.9 | 100632.1 | S |
| 35.400 | 0.0000 | 0.0000 | 88.441 | 0.42969 | 0.00000 | 316523.1 | 140377.8 | 100632.1 | S |
| 35.408 | 0.0000 | 0.0000 | 88.441 | 0.42956 | 0.00000 | 316523.1 | 140390.7 | 100632.1 | S |
| 35.417 | 0.0000 | 0.0000 | 88.440 | 0.42942 | 0.00000 | 316523.1 | 140403.6 | 100632.1 | S |
| 35.425 | 0.0000 | 0.0000 | 88.440 | 0.42929 | 0.00000 | 316523.1 | 140416.5 | 100632.1 | S |
| 35.433 | 0.0000 | 0.0000 | 88.439 | 0.42916 | 0.00000 | 316523.1 | 140429.4 | 100632.1 | S |
| 35.442 | 0.0000 | 0.0000 | 88.439 | 0.42903 | 0.00000 | 316523.1 | 140442.2 | 100632.1 | S |
| 35.450 | 0.0000 | 0.0000 | 88.438 | 0.42890 | 0.00000 | 316523.1 | 140455.1 | 100632.1 | S |
| 35.458 | 0.0000 | 0.0000 | 88.437 | 0.42877 | 0.00000 | 316523.1 | 140468.0 | 100632.1 | S |
| 35.467 | 0.0000 | 0.0000 | 88.437 | 0.42864 | 0.00000 | 316523.1 | 140480.8 | 100632.1 | S |
| 35.475 | 0.0000 | 0.0000 | 88.436 | 0.42850 | 0.00000 | 316523.1 | 140493.7 | 100632.1 | S |
| 35.483 | 0.0000 | 0.0000 | 88.436 | 0.42837 | 0.00000 | 316523.1 | 140506.5 | 100632.1 | S |
| 35.492 | 0.0000 | 0.0000 | 88.435 | 0.42824 | 0.00000 | 316523.1 | 140519.4 | 100632.1 | S |
| 35.500 | 0.0000 | 0.0000 | 88.435 | 0.42811 | 0.00000 | 316523.1 | 140532.2 | 100632.1 | S |
| 35.508 | 0.0000 | 0.0000 | 88.434 | 0.42798 | 0.00000 | 316523.1 | 140545.1 | 100632.1 | S |
| 35.517 | 0.0000 | 0.0000 | 88.434 | 0.42785 | 0.00000 | 316523.1 | 140557.9 | 100632.1 | S |
| 35.525 | 0.0000 | 0.0000 | 88.433 | 0.42772 | 0.00000 | 316523.1 | 140570.8 | 100632.1 | S |
| 35.533 | 0.0000 | 0.0000 | 88.433 | 0.42759 | 0.00000 | 316523.1 | 140583.6 | 100632.1 | S |
| 35.542 | 0.0000 | 0.0000 | 88.432 | 0.42746 | 0.00000 | 316523.1 | 140596.4 | 100632.1 | S |
| 35.550 | 0.0000 | 0.0000 | 88.432 | 0.42733 | 0.00000 | 316523.1 | 140609.2 | 100632.1 | S |
| 35.558 | 0.0000 | 0.0000 | 88.431 | 0.42720 | 0.00000 | 316523.1 | 140622.0 | 100632.1 | S |
| 35.567 | 0.0000 | 0.0000 | 88.431 | 0.42707 | 0.00000 | 316523.1 | 140634.9 | 100632.1 | S |
| 35.575 | 0.0000 | 0.0000 | 88.430 | 0.42694 | 0.00000 | 316523.1 | 140647.7 | 100632.1 | S |
| 35.583 | 0.0000 | 0.0000 | 88.429 | 0.42681 | 0.00000 | 316523.1 | 140660.5 | 100632.1 | S |
| 35.592 | 0.0000 | 0.0000 | 88.429 | 0.42668 | 0.00000 | 316523.1 | 140673.3 | 100632.1 | S |
| 35.600 | 0.0000 | 0.0000 | 88.428 | 0.42655 | 0.00000 | 316523.1 | 140686.1 | 100632.1 | S |
| 35.608 | 0.0000 | 0.0000 | 88.428 | 0.42642 | 0.00000 | 316523.1 | 140698.9 | 100632.1 | S |
| 35.617 | 0.0000 | 0.0000 | 88.427 | 0.42629 | 0.00000 | 316523.1 | 140711.7 | 100632.1 | S |
| 35.625 | 0.0000 | 0.0000 | 88.427 | 0.42616 | 0.00000 | 316523.1 | 140724.5 | 100632.1 | S |
| 35.633 | 0.0000 | 0.0000 | 88.426 | 0.42603 | 0.00000 | 316523.1 | 140737.2 | 100632.1 | S |
| 35.642 | 0.0000 | 0.0000 | 88.426 | 0.42590 | 0.00000 | 316523.1 | 140750.0 | 100632.1 | S |
| 35.650 | 0.0000 | 0.0000 | 88.425 | 0.42577 | 0.00000 | 316523.1 | 140762.8 | 100632.1 | S |
| 35.658 | 0.0000 | 0.0000 | 88.425 | 0.42564 | 0.00000 | 316523.1 | 140775.6 | 100632.1 | S |
| 35.667 | 0.0000 | 0.0000 | 88.424 | 0.42551 | 0.00000 | 316523.1 | 140788.3 | 100632.1 | S |
| 35.675 | 0.0000 | 0.0000 | 88.424 | 0.42538 | 0.00000 | 316523.1 | 140801.1 | 100632.1 | S |
| 35.683 | 0.0000 | 0.0000 | 88.423 | 0.42525 | 0.00000 | 316523.1 | 140813.8 | 100632.1 | S |
| 35.692 | 0.0000 | 0.0000 | 88.422 | 0.42513 | 0.00000 | 316523.1 | 140826.6 | 100632.1 | S |
| 35.700 | 0.0000 | 0.0000 | 88.422 | 0.42500 | 0.00000 | 316523.1 | 140839.4 | 100632.1 | S |
| 35.708 | 0.0000 | 0.0000 | 88.421 | 0.42487 | 0.00000 | 316523.1 | 140852.1 | 100632.1 | S |
| 35.717 | 0.0000 | 0.0000 | 88.421 | 0.42474 | 0.00000 | 316523.1 | 140864.8 | 100632.1 | S |
| 35.725 | 0.0000 | 0.0000 | 88.420 | 0.42461 | 0.00000 | 316523.1 | 140877.6 | 100632.1 | S |
| 35.733 | 0.0000 | 0.0000 | 88.420 | 0.42448 | 0.00000 | 316523.1 | 140890.3 | 100632.1 | S |
| 35.742 | 0.0000 | 0.0000 | 88.419 | 0.42435 | 0.00000 | 316523.1 | 140903.1 | 100632.1 | S |
| 35.750 | 0.0000 | 0.0000 | 88.419 | 0.42422 | 0.00000 | 316523.1 | 140915.8 | 100632.1 | S |
| 35.758 | 0.0000 | 0.0000 | 88.418 | 0.42410 | 0.00000 | 316523.1 | 140928.5 | 100632.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate (ft3/s) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3 / 3} \mathrm{~s}$ ) | Overflow Discharge ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{fl}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 35.767 | 0.0000 | 0.0000 | 88.418 | 0.42397 | 0.00000 | 316523.1 | 140941.2 | 100632.1 | S |
| 35.775 | 0.0000 | 0.0000 | 88.417 | 0.42384 | 0.00000 | 316523.1 | 140954.0 | 100632.1 | S |
| 35.783 | 0.0000 | 0.0000 | 88.417 | 0.42371 | 0.00000 | 316523.1 | 140966.7 | 100632.1 | S |
| 35.792 | 0.0000 | 0.0000 | 88.416 | 0.42358 | 0.00000 | 316523.1 | 140979.4 | 100632.1 | S |
| 35.800 | 0.0000 | 0.0000 | 88.416 | 0.42346 | 0.00000 | 316523.1 | 140992.1 | 100632.1 | S |
| 35.808 | 0.0000 | 0.0000 | 88.415 | 0.42333 | 0.00000 | 316523.1 | 141004.8 | 100632.1 | S |
| 35.817 | 0.0000 | 0.0000 | 88.414 | 0.42320 | 0.00000 | 316523.1 | 141017.5 | 100632.1 | S |
| 35.825 | 0.0000 | 0.0000 | 88.414 | 0.42307 | 0.00000 | 316523.1 | 141030.2 | 100632.1 | S |
| 35.833 | 0.0000 | 0.0000 | 88.413 | 0.42295 | 0.00000 | 316523.1 | 141042.9 | 100632.1 | S |
| 35.842 | 0.0000 | 0.0000 | 88.413 | 0.42282 | 0.00000 | 316523.1 | 141055.5 | 100632.1 | S |
| 35.850 | 0.0000 | 0.0000 | 88.412 | 0.42269 | 0.00000 | 316523.1 | 141068.2 | 100632.1 | S |
| 35.858 | 0.0000 | 0.0000 | 88.412 | 0.42256 | 0.00000 | 316523.1 | 141080.9 | 100632.1 | S |
| 35.867 | 0.0000 | 0.0000 | 88.411 | 0.42244 | 0.00000 | 316523.1 | 141093.6 | 100632.1 | S |
| 35.875 | 0.0000 | 0.0000 | 88.411 | 0.42231 | 0.00000 | 316523.1 | 141106.3 | 100632.1 | S |
| 35.883 | 0.0000 | 0.0000 | 88.410 | 0.42218 | 0.00000 | 316523.1 | 141118.9 | 100632.1 | S |
| 35.892 | 0.0000 | 0.0000 | 88.410 | 0.42205 | 0.00000 | 316523.1 | 141131.6 | 100632.1 | S |
| 35.900 | 0.0000 | 0.0000 | 88.409 | 0.42193 | 0.00000 | 316523.1 | 141144.3 | 100632.1 | S |
| 35.908 | 0.0000 | 0.0000 | 88.409 | 0.42180 | 0.00000 | 316523.1 | 141156.9 | 100632.1 | S |
| 35.917 | 0.0000 | 0.0000 | 88.408 | 0.42167 | 0.00000 | 316523.1 | 141169.5 | 100632.1 | S |
| 35.925 | 0.0000 | 0.0000 | 88.408 | 0.42155 | 0.00000 | 316523.1 | 141182.2 | 100632.1 | S |
| 35.933 | 0.0000 | 0.0000 | 88.407 | 0.42142 | 0.00000 | 316523.1 | 141194.8 | 100632.4 | S |
| 35.942 | 0.0000 | 0.0000 | 88.407 | 0.42129 | 0.00000 | 316523.1 | 141207.5 | 100632.1 | S |
| 35.950 | 0.0000 | 0.0000 | 88.406 | 0.42117 | 0.00000 | 316523.1 | 141220.1 | 100632.1 | S |
| 35.958 | 0.0000 | 0.0000 | 88.405 | 0.42104 | 0.00000 | 316523.1 | 141232.8 | 100632.1 | S |
| 35.967 | 0.0000 | 0.0000 | 88.405 | 0.42091 | 0.00000 | 316523.1 | 141245.4 | 100632.1 | S |
| 35.975 | 0.0000 | 0.0000 | 88.404 | 0.42079 | 0.00000 | 316523.1 | 141258.0 | 100632.1 | S |
| 35.983 | 0.0000 | 0.0000 | 88.404 | 0.42066 | 0.00000 | 316523.1 | 141270.6 | 100632.1 | S |
| 35.992 | 0.0000 | 0.0000 | 88.403 | 0.42053 | 0.00000 | 316523.1 | 141283.3 | 100632.1 | S |
| 36.000 | 0.0000 | 0.0000 | 88.403 | 0.42041 | 0.00000 | 316523.1 | 141295.9 | 100632.1 | S |
| 36.008 | 0.0000 | 0.0000 | 88.402 | 0.42028 | 0.00000 | 316523.1 | \$41308.5 | 100632.1 | S |
| 36.017 | 0.0000 | 0.0000 | 88.402 | 0.42016 | 0.00000 | 316523.1 | 141321.1 | 100632.1 | S |
| 36.025 | 0.0000 | 0.0000 | 88.401 | 0.42003 | 0.00000 | 316523.1 | 141333.7 | 100632.1 | S |
| 36.033 | 0.0000 | 0.0000 | 88.401 | 0.41991 | 0.00000 | 316523.1 | 141346.3 | 100632.1 | S |
| 36.042 | 0.0000 | 0.0000 | 88.400 | 0.41978 | 0.00000 | 316523.1 | 141358.9 | 100632.1 | S |
| 36.050 | 0.0000 | 0.0000 | 88.400 | 0.41965 | 0.00000 | 316523.1 | 141371.5 | 100632.1 | S |
| 36.058 | 0.0000 | 0.0000 | 88.399 | 0.41953 | 0.00000 | 316523.1 | 141384.1 | 100632.1 | S |
| 36.067 | 0.0000 | 0.0000 | 88.399 | 0.41940 | 0.00000 | 316523.1 | 141396.6 | 100632.1 | S |
| 36.075 | 0.0000 | 0.0000 | 88.398 | 0.41928 | 0.00000 | 316523.1 | 141409.2 | 100632.1 | S |
| 36.083 | 0.0000 | 0.0000 | 88.398 | 0.41915 | 0.00000 | 316523.1 | 141421.8 | 100632.1 | S |
| 36.092 | 0.0000 | 0.0000 | 88.397 | 0.41903 | 0.00000 | 316523.1 | 141434.4 | 100632.1 | S |
| 36.100 | 0.0000 | 0.0000 | 88.396 | 0.41890 | 0.00000 | 316523.1 | 141446.9 | 100632.1 | S |
| 36.108 | 0.0000 | 0.0000 | 88.396 | 0.41878 | 0.00000 | 316523.1 | 141459.5 | 100632.1 | S |
| 36.117 | 0.0000 | 0.0000 | 88.395 | 0.41865 | 0.00000 | 316523.1 | 141472.1 | 100632.1 | S |
| 36.125 | 0.0000 | 0.0000 | 88.395 | 0.41853 | 0.00000 | 316523.1 | 141484.6 | 100632.1 | S |
| 36.133 | 0.0000 | 0.0000 | 88.394 | 0.41840 | 0.00000 | 316523.1 | 141497.2 | 100632.1 | S |
| 36.142 | 0.0000 | 0.0000 | 88.394 | 0.41828 | 0.00000 | 316523.1 | 141509.7 | 100632.1 | S |
| 36.150 | 0.0000 | 0.0000 | 88.393 | 0.41815 | 0.00000 | 316523.1 | 141522.3 | 100632.1 | S |
| 36.158 | 0.0000 | 0.0000 | 88.393 | 0.41803 | 0.00000 | 316523.1 | 141534.8 | 100632.1 | S |
| 36.167 | 0.0000 | 0.0000 | 88.392 | 0.41790 | 0.00000 | 316523.1 | 141547.4 | 100632.1 | S |
| 36.175 | 0.0000 | 0.0000 | 88.392 | 0.41778 | 0.00000 | 316523.1 | 141559.9 | 100632.1 | S |
| 36.183 | 0.0000 | 0.0000 | 88.391 | 0.41765 | 0.00000 | 316523.1 | 141572.4 | 100632.1 | S |
| 36.192 | 0.0000 | 0.0000 | 88.391 | 0.41753 | 0.00000 | 316523.1 | 141585.0 | 100632.1 | S |
| 36.200 | 0.0000 | 0.0000 | 88.390 | 0.41741 | 0.00000 | 316523.1 | 141597.5 | 100632.1 | S |
| 36.208 | 0.0000 | 0.0000 | 88.390 | 0.41728 | 0.00000 | 316523.1 | 141610.0 | 100632.1 | S |
| 36.217 | 0.0000 | 0.0000 | 88.389 | 0.41716 | 0.00000 | 316523.1 | 141622.5 | 100632.1 | S |
| 36.225 | 0.0000 | 0.0000 | 88.389 | 0.41703 | 0.00000 | 316523.1 | 141635.0 | 100632.1 | S |
| 36.233 | 0.0000 | 0.0000 | 88.388 | 0.41691 | 0.00000 | 316523.1 | 141647.5 | 100632.1 | S |
| 36.242 | 0.0000 | 0.0000 | 88.388 | 0.41679 | 0.00000 | 316523.1 | 141660.0 | 100632.1 | S |
| 36.250 | 0.0000 | 0.0000 | 88.387 | 0.41666 | 0.00000 | 316523.1 | 141672.5 | 100632.1 | S |
| 36.258 | 0.0000 | 0.0000 | 88.386 | 0.41654 | 0.00000 | 316523.1 | 141685.0 | 100632.1 | S |
| 36.267 | 0.0000 | 0.0000 | 88.386 | 0.41641 | 0.00000 | 316523.1 | 141697.5 | 100632.1 | S |
| 36.275 | 0.0000 | 0.0000 | 88.385 | 0.41629 | 0.00000 | 316523.1 | 141710.0 | 100632.1 | S |
| 36.283 | 0.0000 | 0.0000 | 88.385 | 0.41617 | 0.00000 | 316523.1 | 141722.5 | 100632.1 | S |
| 36.292 | 0.0000 | 0.0000 | 88.384 | 0.41604 | 0.00000 | 316523.1 | 141735.0 | 100632.1 | S |
| 36.300 | 0.0000 | 0.0000 | 88.384 | 0.41592 | 0.00000 | 316523.1 | 141747.5 | 100632.1 | S |
| 36.308 | 0.0000 | 0.0000 | 88.383 | 0.41580 | 0.00000 | 316523.1 | 141760.0 | 100632.1 | S |
| 36.317 | 0.0000 | 0.0000 | 88.383 | 0.41567 | 0.00000 | 316523.1 | 141772.4 | 100632.1 | S |
| 36.325 | 0.0000 | 0.0000 | 88.382 | 0.41555 | 0.00000 | 316523.1 | 141784.9 | 100632.1 | S |
| 36.333 | 0.0000 | 0.0000 | 88.382 | 0.41543 | 0.00000 | 316523.1 | 141797.4 | 100632.1 | S |
| 36.342 | 0.0000 | 0.0000 | 88.381 | 0.41530 | 0.00000 | 316523.1 | 141809.8 | 100632.1 | S |
| 36.350 | 0.0000 | 0.0000 | 88.381 | 0.41518 | 0.00000 | 316523.1 | 141822.3 | 100632.1 | S |
| 36.358 | 0.0000 | 0.0000 | 88.380 | 0.41506 | 0.00000 | 316523.1 | 141834.7 | 100632.1 | S |
| 36.367 | 0.0000 | 0.0000 | 88.380 | 0.41494 | 0.00000 | 316523.1 | 141847.2 | 100632.1 | S |
| 36.375 | 0.0000 | 0.0000 | 88.379 | 0.41481 | 0.00000 | 316523.1 | 141859.6 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3 / 5}$ ) | Outside Recharge (Itday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume $\left(\mathrm{ft}^{3}\right)$ | Cumulative Discharge Volume ( $\mathrm{H}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 36.383 | 0.0000 | 0.0000 | 88.379 | 0.41469 | 0.00000 | 316523.1 | 141872.1 | 100632.1 | S |
| 36.392 | 0.0000 | 0.0000 | 88.378 | 0.41457 | 0.00000 | 316523.1 | 141884.5 | 100632.1 | S |
| 36.400 | 0.0000 | 0.0000 | 88.378 | 0.41445 | 0.00000 | 316523.1 | 141896.9 | 100632.1 | S |
| 36.408 | 0.0000 | 0.0000 | 88.377 | 0.41432 | 0.00000 | 316523.1 | 141909.4 | 100632.1 | S |
| 36.417 | 0.0000 | 0.0000 | 88.377 | 0.41420 | 0.00000 | 316523.1 | 141921.8 | 100632.1 | S |
| 36.425 | 0.0000 | 0.0000 | 88.376 | 0.41408 | 0.00000 | 316523.1 | 141934.2 | 100632.1 | S |
| 36.433 | 0.0000 | 0.0000 | 88.375 | 0.41396 | 0.00000 | 316523.1 | 141946.6 | 100632.1 | S |
| 36.442 | 0.0000 | 0.0000 | 88.375 | 0.41383 | 0,00000 | 316523.1 | 141959.1 | 100632.1 | S |
| 36.450 | 0.0000 | 0.0000 | 88.374 | 0.41371 | 0.00000 | 316523.1 | 141971.5 | 100632.1 | S |
| 36.458 | 0.0000 | 0.0000 | 88.374 | 0.41359 | 0.00000 | 316523.1 | 141983.9 | 100632.1 | S |
| 36.467 | 0.0000 | 0.0000 | 88.373 | 0.41347 | 0.00000 | 316523.1 | 141996.3 | 100632.1 | S |
| 36.475 | 0.0000 | 0.0000 | 88.373 | 0.41335 | 0.00000 | 316523.1 | 142008.7 | 100632.1 | S |
| 36.483 | 0.0000 | 0.0000 | 88.372 | 0.41322 | 0.00000 | 316523.1 | 142021.1 | 100632.1 | S |
| 36.492 | 0.0000 | 0.0000 | 88.372 | 0.41310 | 0.00000 | 316523.1 | 142033.5 | 100632.1 | S |
| 36.500 | 0.0000 | 0.0000 | 88.371 | 0.41298 | 0.00000 | 316523.1 | 142045.9 | 100632.1 | S |
| 36.508 | 0.0000 | 0.0000 | 88.371 | 0.41286 | 0.00000 | 316523.1 | 142058.3 | 100632.1 | S |
| 36.517 | 0.0000 | 0.0000 | 88.370 | 0.41274 | 0.00000 | 316523.1 | 142070.6 | 100632.1 | S |
| 36.525 | 0.0000 | 0.0000 | 88.370 | 0.41262 | 0.00000 | 316523.1 | 142083.0 | 100632.1 | S |
| 36.533 | 0.0000 | 0.0000 | 88.369 | 0.41250 | 0.00000 | 316523.1 | 142095.4 | 100632.1 | S |
| 36.542 | 0.0000 | 0.0000 | 88.369 | 0.41237 | 0.00000 | 316523.1 | 142107.8 | 100632.1 | S |
| 36.550 | 0.0000 | 0.0000 | 88.368 | 0.41225 | 0.00000 | 316523.1 | 142120.1 | 100632.1 | S |
| 36.558 | 0.0000 | 0.0000 | 88.368 | 0.41213 | 0.00000 | 316523.1 | 142132.5 | 100632.1 | S |
| 36.567 | 0.0000 | 0.0000 | 88.367 | 0.41201 | 0.00000 | 316523.1 | 142144.9 | 100632.1 | S |
| 36.575 | 0.0000 | 0.0000 | 88.367 | 0.41189 | 0.00000 | 316523.1 | 142157.2 | 100632.1 | S |
| 36.583 | 0.0000 | 0.0000 | 88.366 | 0.41177 | 0.00000 | 316523.1 | 142169.6 | 100632.1 | S |
| 36.592 | 0.0000 | 0.0000 | 88.366 | 0.41165 | 0.00000 | 316523.1 | 142181.9 | 100632.1 | S |
| 36.600 | 0.0000 | 0.0000 | 88.365 | 0.41153 | 0.00000 | 316523.1 | 142194.3 | 100632.1 | S |
| 36.608 | 0.0000 | 0.0000 | 88.365 | 0.41141 | 0.00000 | 316523.1 | 142206.6 | 100632.1 | S |
| 36.617 | 0.0000 | 0.0000 | 88.364 | 0.41129 | 0.00000 | 316523.1 | 142219.0 | 100632.1 | S |
| 36.625 | 0.0000 | 0.0000 | 88.363 | 0.41116 | 0.00000 | 316523.1 | 142231.3 | 100632.1 | S |
| 36.633 | 0.0000 | 0.0000 | 88.363 | 0.41104 | 0.00000 | 316523.1 | 142243.6 | 100632.1 | S |
| 36.642 | 0.0000 | 0.0000 | 88.362 | 0.41092 | 0.00000 | 316523.1 | 142256.0 | 100632.1 | S |
| 36.650 | 0.0000 | 0.0000 | 88.362 | 0.41080 | 0.00000 | 316523.1 | 142268.3 | 100632.1 | S |
| 36.658 | 0.0000 | 0.0000 | 88.361 | 0.41068 | 0.00000 | 316523.1 | 142280.6 | 100632.1 | S |
| 36.667 | 0.0000 | 0.0000 | 88.361 | 0.41056 | 0.00000 | 316523.1 | 142292.9 | 100632.1 | S |
| 36.675 | 0.0000 | 0.0000 | 88.360 | 0.41044 | 0.00000 | 316523.1 | 142305.3 | 100632.1 | S |
| 36.683 | 0.0000 | 0.0000 | 88.360 | 0.41032 | 0.00000 | 316523.1 | 142317.6 | 100632.1 | S |
| 36.682 | 0.0000 | 0.0000 | 88.359 | 0.41020 | 0.00000 | 316523.1 | 142329.9 | 100632.1 | S |
| 36.700 | 0.0000 | 0.0000 | 88.359 | 0.41008 | 0.00000 | 316523.1 | 142342.2 | 100632.1 | S |
| 36.708 | 0.0000 | 0.0000 | 88.358 | 0.40996 | 0.00000 | 316523.1 | 142354.5 | 100632.1 | S |
| 36.717 | 0.0000 | 0.0000 | 88.358 | 0.40984 | 0.00000 | 316523.1 | 142366.8 | 100632.1 | S |
| 36.725 | 0.0000 | 0.0000 | 88.357 | 0.40972 | 0.00000 | 316523.1 | 142379.1 | 100632.1 | S |
| 36.733 | 0.0000 | 0.0000 | 88.357 | 0.40960 | 0.00000 | 316523.1 | 142391.4 | 100632.1 | S |
| 36.742 | 0.0000 | 0.0000 | 88.356 | 0.40948 | 0.00000 | 316523.1 | 142403.6 | 100632.1 | S |
| 36.750 | 0.0000 | 0.0000 | 88.356 | 0.40937 | 0.00000 | 316523.1 | 142415.9 | 100632.1 | S |
| 36.758 | 0.0000 | 0.0000 | 88.355 | 0.40925 | 0.00000 | 316523.1 | 142428.2 | 100632.1 | S |
| 36.767 | 0.0000 | 0.0000 | 88.355 | 0.40913 | 0.00000 | 316523.1 | 142440.5 | 100632.1 | S |
| 36.775 | 0.0000 | 0.0000 | 88.354 | 0.40901 | 0.00000 | 316523.1 | 142452.8 | 100632.1 | S |
| 36.783 | 0.0000 | 0.0000 | 88.354 | 0.40889 | 0.00000 | 316523.1 | 142465.0 | 100632.1 | S |
| 36.792 | 0.0000 | 0.0000 | 88.353 | 0.40877 | 0.00000 | 316523.1 | 142477.3 | 100632.1 | S |
| 36.800 | 0.0000 | 0.0000 | 88.353 | 0.40865 | 0.00000 | 316523.1 | 142489.5 | 100632.1 | S |
| 36.808 | 0.0000 | 0.0000 | 88.352 | 0.40853 | 0.00000 | 316523.1 | 142501.8 | 100632.1 | S |
| 36.817 | 0.0000 | 0.0000 | 88.352 | 0.40841 | 0.00000 | 316523.1 | 142514.1 | 100632.1 | S |
| 36.825 | 0.0000 | 0.0000 | 88.351 | 0.40829 | 0.00000 | 316523.1 | 142526.3 | 100632.1 | S |
| 36.833 | 0.0000 | 0.0000 | 88.351 | 0.40817 | 0.00000 | 316523.1 | 142538.6 | 100632.1 | S |
| 36.842 | 0.0000 | 0.0000 | 88.350 | 0.40806 | 0.00000 | 316523.1 | 142550.8 | 100632.1 | S |
| 36.850 | 0.0000 | 0.0000 | 88.349 | 0.40794 | 0.00000 | 316523.1 | 142563.0 | 100632.1 | S |
| 36.858 | 0.0000 | 0.0000 | 88.349 | 0.40782 | 0.00000 | 316523.1 | 142575.3 | 100632.1 | S |
| 36.867 | 0.0000 | 0.0000 | 88.348 | 0.40770 | 0.00000 | 316523.1 | 142587.5 | 100632.1 | S |
| 36.875 | 0.0000 | 0.0000 | 88.348 | 0.40758 | 0.00000 | 316523.1 | 142599.7 | 100632.1 | S |
| 36.883 | 0.0000 | 0.0000 | 88.347 | 0.40746 | 0.00000 | 316523.1 | 142612.0 | 100632.1 | S |
| 36.892 | 0.0000 | 0.0000 | 88.347 | 0.40734 | 0.00000 | 316523.1 | 142624.2 | 100632.1 | S |
| 36.900 | 0.0000 | 0.0000 | 88.346 | 0.40723 | 0.00000 | 316523.1 | 142636.4 | 100632.1 | S |
| 36.908 | 0.0000 | 0.0000 | 88.346 | 0.40711 | 0.00000 | 316523.1 | 142648.6 | 100632.1 | S |
| 36.917 | 0.0000 | 0.0000 | 88.345 | 0.40699 | 0.00000 | 316523.1 | 142660.8 | 100632.1 | S |
| 36.925 | 0.0000 | 0.0000 | 88.345 | 0.40687 | 0.00000 | 316523.1 | 142673.0 | 100632.1 | S |
| 36.933 | 0.0000 | 0.0000 | 88.344 | 0.40675 | 0.00000 | 316523.1 | 142685.3 | 100632.1 | S |
| 36.942 | 0.0000 | 0.0000 | 88.344 | 0.40664 | 0.00000 | 316523.1 | 142697.4 | 100632.1 | S |
| 36.950 | 0.0000 | 0.0000 | 88.343 | 0.40652 | 0.00000 | 316523.1 | 142709.6 | 100632.1 | S |
| 36.958 | 0.0000 | 0.0000 | 88.343 | 0.40640 | 0.00000 | 316523.1 | 142721.8 | 100632.1 | S |
| 36.967 | 0.0000 | 0.0000 | 88.342 | 0.40628 | 0.00000 | 316523.1 | 142734.0 | 100632.1 | S |
| 36.975 | 0.0000 | 0.0000 | 88.342 | 0.40616 | 0.00000 | 316523.1 | 142746.2 | 100632.1 | S |
| 36.983 | 0.0000 | 0.0000 | 88.341 | 0.40605 | 0.00000 | 316523.1 | 142758.4 | 100632.1 | S |
| 36.992 | 0.0000 | 0.0000 | 88.341 | 0.40593 | 0.00000 | 316523.1 | 142770.6 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/overflow

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (H datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{t}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $4^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 37.000 | 0.0000 | 0.0000 | 88.340 | 0.40581 | 0.00000 | 316523.1 | 142782.8 | 100632.1 | S |
| 37.008 | 0.0000 | 0.0000 | 88.340 | 0.40570 | 0.00000 | 316523.1 | 142794.9 | 100632.1 | S |
| 37.017 | 0.0000 | 0.0000 | 88.339 | 0.40558 | 0.00000 | 316523.1 | 142807.1 | 100632.1 | S |
| 37.025 | 0.0000 | 0.0000 | 88.339 | 0.40546 | 0.00000 | 316523.1 | 142819.3 | 100632.1 | S |
| 37.033 | 0.0000 | 0.0000 | 88.338 | 0.40534 | 0.00000 | 316523.1 | 142831.4 | 100632.1 | S |
| 37.042 | 0.0000 | 0.0000 | 88.338 | 0.40523 | 0.00000 | 316523.1 | 142843.6 | 100632.1 | S |
| 37.050 | 0.0000 | 0.0000 | 88.337 | 0.40511 | 0.00000 | 316523.1 | 142855.7 | 100632.1 | S |
| 37.058 | 0.0000 | 0.0000 | 88.337 | 0.40499 | 0.00000 | 316523.1 | 142867.9 | 100632.1 | S |
| 37.067 | 0.0000 | 0.0000 | 88.336 | 0.40488 | 0.00000 | 316523.1 | 142880.0 | 100632.1 | S |
| 37.075 | 0.0000 | 0.0000 | 88.336 | 0.40476 | 0.00000 | 316523.1 | 142892.2 | 100632.1 | S |
| 37.083 | 0.0000 | 0.0000 | 88.335 | 0.40464 | 0.00000 | 316523.1 | 142904.3 | 100632.1 | S |
| 37.092 | 0.0000 | 0.0000 | 88.335 | 0.40453 | 0.00000 | 316523.1 | 142916.5 | 100632.1 | S |
| 37.100 | 0.0000 | 0.0000 | 88.334 | 0.40441 | 0.00000 | 316523.1 | 142928.6 | 100632.1 | S |
| 37.108 | 0.0000 | 0.0000 | 88.334 | 0.40429 | 0.00000 | 316523.1 | 142940.7 | 100632.1 | S |
| 37.117 | 0.0000 | 0.0000 | 88.333 | 0.40418 | 0.00000 | 316523.1 | 142952.8 | 100632.1 | S |
| 37.125 | 0.0000 | 0.0000 | 88.333 | 0.40406 | 0.00000 | 316523.1 | 142965.0 | 100632.1 | S |
| 37.133 | 0.0000 | 0.0000 | 88.332 | 0.40394 | 0.00000 | 316523.1 | 142977.1 | 100632.1 | S |
| 37.142 | 0.0000 | 0.0000 | 88.331 | 0.40383 | 0.00000 | 316523.1 | 142989.2 | 100632.1 | S |
| 37.150 | 0.0000 | 0.0000 | 88.331 | 0.40371 | 0.00000 | 316523.1 | 143001.3 | 100632.1 | S |
| 37.158 | 0.0000 | 0.0000 | 88.330 | 0.40359 | 0.00000 | 316523.1 | 143013.4 | 100632.1 | S |
| 37.167 | 0.0000 | 0.0000 | 88.330 | 0.40348 | 0.00000 | 316523.1 | 143025.5 | 100632.1 | S |
| 37.175 | 0.0000 | 0.0000 | 88.329 | 0.40336 | 0.00000 | 316523.1 | 143037.6 | 100632.1 | S |
| 37.183 | 0.0000 | 0.0000 | 88.329 | 0.40325 | 0.00000 | 316523.1 | 143049.7 | 100632.1 | S |
| 37.192 | 0.0000 | 0.0000 | 88.328 | 0.40313 | 0.00000 | 316523.1 | 143061.8 | 100632.1 | S |
| 37.200 | 0.0000 | 0.0000 | 88.328 | 0.40301 | 0.00000 | 316523.1 | 143073.9 | 100632.1 | S |
| 37.208 | 0.0000 | 0.0000 | 88.327 | 0.40290 | 0.00000 | 316523.1 | 143086.0 | 100632.1 | S |
| 37.217 | 0.0000 | 0.0000 | 88.327 | 0.40278 | 0.00000 | 316523.1 | 143098.1 | 100632.1 | S |
| 37.225 | 0.0000 | 0.0000 | 88.326 | 0.40267 | 0.00000 | 316523.1 | 143110.2 | 100632.1 | S |
| 37.233 | 0.0000 | 0.0000 | 88.326 | 0.40255 | 0.00000 | 316523.1 | 143122.3 | 100632.1 | S |
| 37.242 | 0.0000 | 0.0000 | 88.325 | 0.40244 | 0.00000 | 316523.1 | 143134.3 | 100632.7 | S |
| 37.250 | 0.0000 | 0.0000 | 88.325 | 0.40232 | 0.00000 | 316523.1 | 143146.4 | 100632.1 | S |
| 37.258 | 0.0000 | 0.0000 | 88.324 | 0.40221 | 0.00000 | 316523.1 | 143158.5 | 100632.1 | S |
| 37.267 | 0.0000 | 0.0000 | 88.324 | 0.40209 | 0.00000 | 316523.1 | 143170.5 | 100632.1 | S |
| 37.275 | 0.0000 | 0.0000 | 88.323 | 0.40198 | 0.00000 | 316523.1 | 143182.6 | 100632.1 | S |
| 37.283 | 0.0000 | 0.0000 | 88.323 | 0.40186 | 0.00000 | 316523.1 | 143194.7 | 100632.1 | S |
| 37.292 | 0.0000 | 0.0000 | 88.322 | 0.40174 | 0.00000 | 316523.1 | 143206.7 | 100632.1 | S |
| 37.300 | 0.0000 | 0.0000 | 88.322 | 0.40163 | 0.00000 | 316523.1 | 143218.8 | 100632.1 | S |
| 37.308 | 0.0000 | 0.0000 | 88.321 | 0.40151 | 0.00000 | 316523.1 | 143230.8 | 100632.1 | S |
| 37.317 | 0.0000 | 0.0000 | 88.321 | 0.40140 | 0.00000 | 316523.1 | 143242.9 | 100632.1 | S |
| 37.325 | 0.0000 | 0.0000 | 88.320 | 0.40129 | 0.00000 | 316523.1 | 143254.9 | 100632.1 | S |
| 37.333 | 0.0000 | 0.0000 | 88.320 | 0.40117 | 0.00000 | 316523.1 | 143266.9 | 100632.1 | S |
| 37.342 | 0.0000 | 0.0000 | 88.319 | 0.40106 | 0.00000 | 316523.1 | 143279.0 | 100632.1 | S |
| 37.350 | 0.0000 | 0.0000 | 88.319 | 0.40094 | 0.00000 | 316523.1 | 143291.0 | 100632.1 | S |
| 37.358 | 0.0000 | 0.0000 | 88.318 | 0.40083 | 0.00000 | 316523.1 | 143303.0 | 100632.1 | S |
| 37.367 | 0.0000 | 0.0000 | 88.318 | 0.40071 | 0.00000 | 316523.1 | 143315.0 | 100632.1 | S |
| 37.375 | 0.0000 | 0.0000 | 88.317 | 0.40060 | 0.00000 | 316523.1 | 143327.1 | 100632.1 | S |
| 37.383 | 0.0000 | 0.0000 | 88.317 | 0.40048 | 0.00000 | 316523.1 | 143339.1 | 100632.1 | S |
| 37.392 | 0.0000 | 0.0000 | 88.316 | 0.40037 | 0.00000 | 316523.1 | 143351.1 | 100632.1 | S |
| 37.400 | 0.0000 | 0.0000 | 88.316 | 0.40025 | 0.00000 | 316523.1 | 143363.1 | 100632.1 | S |
| 37.408 | 0.0000 | 0.0000 | 88.315 | 0.40014 | 0.00000 | 316523.1 | 143375.1 | 100632.1 | S |
| 37.417 | 0.0000 | 0.0000 | 88.315 | 0.40003 | 0.00000 | 316523.1 | 143387.1 | 100632.1 | S |
| 37.425 | 0.0000 | 0.0000 | 88.314 | 0.39991 | 0.00000 | 316523.1 | 143399.1 | 100632.1 | S |
| 37.433 | 0.0000 | 0.0000 | 88.314 | 0.39980 | 0.00000 | 316523.1 | 143411.1 | 100632.1 | S |
| 37.442 | 0.0000 | 0.0000 | 88.313 | 0.39968 | 0.00000 | 316523.1 | 143423.1 | 100632.1 | S |
| 37.450 | 0.0000 | 0.0000 | 88.313 | 0.39957 | 0.00000 | 316523.1 | 143435.1 | 100632.1 | S |
| 37.458 | 0.0000 | 0.0000 | 88.312 | 0.39946 | 0.00000 | 316523.1 | 143447.1 | 100632.1 | S |
| 37.467 | 0.0000 | 0.0000 | 88.312 | 0.39934 | 0.00000 | 316523.1 | 143459.0 | 100632.1 | S |
| 37.475 | 0.0000 | 0.0000 | 88.311 | 0.39923 | 0.00000 | 316523.1 | 143471.0 | 100632.1 | S |
| 37.483 | 0.0000 | 0.0000 | 88.311 | 0.39912 | 0.00000 | 316523.1 | 143483.0 | 100632.1 | S |
| 37.492 | 0.0000 | 0.0000 | 88.310 | 0.39900 | 0.00000 | 316523.1 | 143495.0 | 100632.1 | S |
| 37.500 | 0.0000 | 0.0000 | 88.310 | 0.39889 | 0.00000 | 316523.1 | 143507.0 | 100632.1 | S |
| 37.508 | 0.0000 | 0.0000 | 88.309 | 0.39878 | 0.00000 | 316523.1 | 143518.9 | 100632.1 | S |
| 37.517 | 0.0000 | 0.0000 | 88.309 | 0.39866 | 0.00000 | 316523.1 | 143530.9 | 100632.1 | S |
| 37.525 | 0.0000 | 0.0000 | 88.308 | 0.39855 | 0.00000 | 316523.1 | 143542.8 | 100632.1 | S |
| 37.533 | 0.0000 | 0.0000 | 88.307 | 0.39844 | 0.00000 | 316523.1 | 143554.8 | 100632.1 | S |
| 37.542 | 0.0000 | 0.0000 | 88.307 | 0.39832 | 0.00000 | 316523.1 | 143566.7 | 100632.1 | S |
| 37.550 | 0.0000 | 0.0000 | 88.306 | 0.39821 | 0.00000 | 316523.1 | 143578.7 | 100632.1 | S |
| 37.558 | 0.0000 | 0.0000 | 88.306 | 0.39810 | 0.00000 | 316523.1 | 143590.6 | 100632.1 | S |
| 37.567 | 0.0000 | 0.0000 | 88.305 | 0.39798 | 0.00000 | 316523.1 | 143602.6 | 100632.1 | S |
| 37.575 | 0.0000 | 0.0000 | 88.305 | 0.39787 | 0.00000 | 316523.1 | 143614.5 | 100632.1 | S |
| 37.583 | 0.0000 | 0.0000 | 88.304 | 0.39776 | 0.00000 | 316523.1 | 143626.4 | 100632.1 | S |
| 37.592 | 0.0000 | 0.0000 | 88.304 | 0.39765 | 0.00000 | 316523.1 | 143638.4 | 100632.1 | S |
| 37.600 | 0.0000 | 0.0000 | 88.303 | 0.39753 | 0.00000 | 316523.1 | 143650.3 | 100632.1 | S |
| 37.608 | 0.0000 | 0.0000 | 88.303 | 0.39742 | 0.00000 | 316523.1 | 143662.2 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) $::$ Scenario $1::$ pond10 100 yr $/ 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (f datum) | infiltration Rate (f13/s) | Overliow Discharge $\left(\mathrm{ft}^{3} / \mathrm{s}\right)$ | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 37.617 | 0.0000 | 0.0000 | 88.302 | 0.39731 | 0.00000 | 316523.1 | 143674.1 | 100632.1 | S |
| 37.625 | 0.0000 | 0.0000 | 88.302 | 0.39719 | 0.00000 | 316523.1 | 143686.1 | 100632.1 | S |
| 37.633 | 0.0000 | 0.0000 | 88.301 | 0.39708 | 0.00000 | 316523.1 | 143698.0 | 100632.1 | S |
| 37.642 | 0.0000 | 0.0000 | 88.301 | 0.39697 | 0.00000 | 316523.1 | 143709.9 | 100632.1 | S |
| 37.650 | 0.0000 | 0.0000 | 88.300 | 0.39686 | 0.00000 | 316523.1 | 143721.8 | 100632.1 | S |
| 37.658 | 0.0000 | 0.0000 | 88.300 | 0.39675 | 0.00000 | 316523.1 | 143733.7 | 100632.1 | S |
| 37.667 | 0.0000 | 0.0000 | 88.299 | 0.39663 | 0.00000 | 316523.1 | 143745.6 | 100632.1 | S |
| 37.675 | 0.0000 | 0.0000 | 88.299 | 0.39652 | 0.00000 | 316523.1 | 143757.5 | 100632.1 | S |
| 37.683 | 0.0000 | 0.0000 | 88.298 | 0.39641 | 0.00000 | 316523.1 | 143769.4 | 100632.1 | S |
| 37.692 | 0.0000 | 0.0000 | 88.298 | 0.39630 | 0.00000 | 316523.1 | 143781.3 | 100632.1 | S |
| 37.700 | 0.0000 | 0.0000 | 88.297 | 0.39619 | 0.00000 | 316523.1 | 143793.2 | 100632.1 | S |
| 37.708 | 0.0000 | 0.0000 | 88.297 | 0.39607 | 0.00000 | 316523.1 | 143805.0 | 100632.1 | S |
| 37.717 | 0.0000 | 0.0000 | 88.296 | 0.39596 | 0.00000 | 316523.1 | 143816.9 | 100632.1 | S |
| 37.725 | 0.0000 | 0.0000 | 88.296 | 0.39585 | 0.00000 | 316523.1 | 143828.8 | 100632.1 | S |
| 37.733 | 0.0000 | 0.0000 | 88.295 | 0.39574 | 0.00000 | 316523.1 | 143840.7 | 100632.1 | S |
| 37.742 | 0.0000 | 0.0000 | 88.295 | 0.39563 | 0.00000 | 316523.1 | 143852.6 | 100632.1 | S |
| 37.750 | 0.0000 | 0.0000 | 88.294 | 0.39551 | 0.00000 | 316523.1 | 143864.4 | 100632.1 | S |
| 37.758 | 0.0000 | 0.0000 | 88.294 | 0.39540 | 0.00000 | 316523.1 | 143876.3 | 100632.1 | S |
| 37.767 | 0.0000 | 0.0000 | 88.293 | 0.39529 | 0.00000 | 316523.1 | 143888.1 | 100632.1 | S |
| 37.775 | 0.0000 | 0.0000 | 88.293 | 0.39518 | 0.00000 | 316523.1 | 143900.0 | 100632.1 | S |
| 37.783 | 0.0000 | 0.0000 | 88.292 | 0.39507 | 0.00000 | 316523.1 | 143911.9 | 100632.1 | S |
| 37.792 | 0.0000 | 0.0000 | 88.292 | 0.39496 | 0.00000 | 316523.1 | 143923.7 | 100632.1 | S |
| 37.800 | 0.0000 | 0.0000 | 88.291 | 0.39485 | 0.00000 | 316523.1 | 143935.6 | 100632.1 | S |
| 37.808 | 0.0000 | 0.0000 | 88.291 | 0.39474 | 0.00000 | 316523.1 | 143947.4 | 100632.1 | S |
| 37.817 | 0.0000 | 0.0000 | 88.290 | 0.39462 | 0.00000 | 316523.1 | 143959.2 | 100632.1 | S |
| 37.825 | 0.0000 | 0.0000 | 88.290 | 0.39451 | 0.00000 | 316523.1 | 143971.1 | 100632.1 | S |
| 37.833 | 0.0000 | 0.0000 | 88.289 | 0.39440 | 0.00000 | 316523.1 | 143982.9 | 100632.1 | S |
| 37.842 | 0.0000 | 0.0000 | 88.289 | 0.39429 | 0.00000 | 316523.1 | 143994.7 | 100632.1 | S |
| 37.850 | 0.0000 | 0.0000 | 88.288 | 0.39418 | 0.00000 | 316523.1 | 144006.6 | 100632.1 | S |
| 37.858 | 0.0000 | 0.0000 | 88.288 | 0.39407 | 0.00000 | 316523.1 | 144018.4 | 100632.1 | S |
| 37.867 | 0.0000 | 0.0000 | 88.287 | 0.39396 | 0.00000 | 316523.1 | 144030.2 | 100632.1 | S |
| 37.875 | 0.0000 | 0.0000 | 88.287 | 0.39385 | 0.00000 | 316523.1 | 144042.0 | 100632.1 | S |
| 37.883 | 0.0000 | 0.0000 | 88.286 | 0.39374 | 0.00000 | 316523.1 | 144053.8 | 100632.1 | S |
| 37.892 | 0.0000 | 0.0000 | 88.286 | 0.39363 | 0.00000 | 316523.1 | 144065.7 | 100632.1 | S |
| 37.900 | 0.0000 | 0.0000 | 88.285 | 0.39352 | 0.00000 | 316523.1 | 144077.5 | 100632.1 | S |
| 37.908 | 0.0000 | 0.0000 | 88.285 | 0.39341 | 0.00000 | 316523.1 | 144089.3 | 100632.1 | S |
| 37.917 | 0.0000 | 0.0000 | 88.284 | 0.39330 | 0.00000 | 316523.1 | 144101.1 | 100632.1 | S |
| 37.925 | 0.0000 | 0.0000 | 88.284 | 0.39319 | 0.00000 | 316523.1 | 144112.9 | 100632.1 | S |
| 37.933 | 0.0000 | 0.0000 | 88.283 | 0.39308 | 0.00000 | 316523.1 | 144124.7 | 100632.1 | S |
| 37.942 | 0.0000 | 0.0000 | 88.283 | 0.39297 | 0.00000 | 316523.1 | 144136.5 | 100632.1 | S |
| 37.950 | 0.0000 | 0.0000 | 88.282 | 0.39286 | 0.00000 | 316523.1 | 144148.2 | 100632.1 | S |
| 37.958 | 0.0000 | 0.0000 | 88.282 | 0.39275 | 0.00000 | 316523.1 | 144160.0 | 100632.1 | S |
| 37.967 | 0.0000 | 0.0000 | 88.281 | 0.39264 | 0.00000 | 316523.1 | 144171.8 | 100632.1 | S |
| 37.975 | 0.0000 | 0.0000 | 88.281 | 0.39253 | 0.00000 | 316523.1 | 144183.6 | 100632.1 | S |
| 37.983 | 0.0000 | 0.0000 | 88.280 | 0.39242 | 0.00000 | 316523.1 | 144195.3 | 100632.1 | S |
| 37.992 | 0.0000 | 0.0000 | 88.280 | 0.39231 | 0.00000 | 316523.1 | 144207.1 | 100632.1 | S |
| 38.000 | 0.0000 | 0.0000 | 88.279 | 0.39220 | 0.00000 | 316523.1 | 144218.9 | 100632.1 | S |
| 38.008 | 0.0000 | 0.0000 | 88.279 | 0.39209 | 0.00000 | 316523.1 | 144230.7 | 100632.1 | S |
| 38.017 | 0.0000 | 0.0000 | 88.278 | 0.39198 | 0.00000 | 316523.1 | 144242.4 | 100632.1 | S |
| 38.025 | 0.0000 | 0.0000 | 88.278 | 0.39187 | 0.00000 | 316523.1 | 144254.2 | 100632.1 | S |
| 38.033 | 0.0000 | 0.0000 | 88.277 | 0.39176 | 0.00000 | 316523.1 | 144265.9 | 100632.1 | S |
| 38.042 | 0.0000 | 0.0000 | 88.277 | 0.39165 | 0.00000 | 316523.1 | 144277.7 | 100632.1 | S |
| 38.050 | 0.0000 | 0.0000 | 88.276 | 0.39154 | 0.00000 | 316523.1 | 144289.4 | 100632.1 | S |
| 38.058 | 0.0000 | 0.0000 | 88.276 | 0.39143 | 0.00000 | 316523.1 | 144301.2 | 100632.1 | S |
| 38.067 | 0.0000 | 0.0000 | 88.275 | 0.39132 | 0.00000 | 316523.1 | 144312.9 | 100632.1 | S |
| 38.075 | 0.0000 | 0.0000 | 88.275 | 0.39121 | 0.00000 | 316523.1 | 144324.7 | 100632.1 | S |
| 38.083 | 0.0000 | 0.0000 | 88.274 | 0.39110 | 0.00000 | 316523.1 | 144336.4 | 100632.1 | S |
| 38.092 | 0.0000 | 0.0000 | 88.274 | 0.39099 | 0.00000 | 316523.1 | 144348.1 | 100632.1 | S |
| 38.100 | 0.0000 | 0.0000 | 88.273 | 0.39089 | 0.00000 | 316523.1 | 144359.8 | 100632.1 | S |
| 38.108 | 0.0000 | 0.0000 | 88.273 | 0.39078 | 0.00000 | 316523.1 | 144371.6 | 100632.1 | S |
| 38.117 | 0.0000 | 0.0000 | 88.272 | 0.39067 | 0.00000 | 316523.1 | 144383.3 | 100632.1 | S |
| 38.125 | 0.0000 | 0.0000 | 88.272 | 0.39056 | 0.00000 | 316523.1 | 144395.0 | 100632.1 | S |
| 38.133 | 0.0000 | 0.0000 | 88.271 | 0.39045 | 0.00000 | 316523.1 | 144406.7 | 100632.1 | S |
| 38.142 | 0.0000 | 0.0000 | 88.271 | 0.39034 | 0.00000 | 316523.1 | 144418.4 | 100632.1 | S |
| 38.150 | 0.0000 | 0.0000 | 88.270 | 0.39023 | 0.00000 | 316523.1 | 144430.1 | 100632.1 | S |
| 38.158 | 0.0000 | 0.0000 | 88.270 | 0.39012 | 0.00000 | 316523.1 | 144441.8 | 100632.1 | S |
| 38.167 | 0.0000 | 0.0000 | 88.269 | 0.39002 | 0.00000 | 316523.1 | 144453.5 | 100632.1 | S |
| 38.175 | 0.0000 | 0.0000 | 88.269 | 0.38991 | 0.00000 | 316523.1 | 144465.3 | 100632.1 | S |
| 38.183 | 0.0000 | 0.0000 | 88.268 | 0.38980 | 0.00000 | 316523.1 | 144477.0 | 100632.1 | S |
| 38.192 | 0.0000 | 0.0000 | 88.268 | 0.38969 | 0.00000 | 316523.1 | 144488.6 | 100632.1 | S |
| 38.200 | 0.0000 | 0.0000 | 88.267 | 0.38958 | 0.00000 | 316523.1 | 144500.3 | 100632.1 | S |
| 38.208 | 0.0000 | 0.0000 | 88.267 | 0.38947 | 0.00000 | 316523.1 | 144512.0 | 100632.1 | S |
| 38.217 | 0.0000 | 0.0000 | 88.266 | 0.38937 | 0.00000 | 316523.1 | 144523.7 | 100632.1 | S |
| 38.225 | 0.0000 | 0.0000 | 88.266 | 0.38926 | 0.00000 | 316523.1 | 144535.4 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{fl}^{3 / \mathrm{s}}$ ) | Outside Recharge (ffday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{fl}^{3 / \mathrm{s}}$ ) | Overlow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 38.233 | 0.0000 | 0.0000 | 88.265 | 0.38915 | 0.00000 | 316523.1 | 144547.0 | 100632.1 | S |
| 38.242 | 0.0000 | 0.0000 | 88.265 | 0.38904 | 0.00000 | 316523.1 | 144558.7 | 100632.1 | S |
| 38.250 | 0.0000 | 0.0000 | 88.264 | 0.38893 | 0.00000 | 316523.1 | 144570.4 | 100632.1 | S |
| 38.258 | 0.0000 | 0.0000 | 88.264 | 0.38883 | 0.00000 | 316523.1 | 144582.1 | 100632.1 | S |
| 38.267 | 0.0000 | 0.0000 | 88.263 | 0.38872 | 0.00000 | 316523.1 | 144593.7 | 100632.1 | S |
| 38.275 | 0.0000 | 0.0000 | 88.263 | 0.38861 | 0.00000 | 316523.1 | 144605.4 | 100632.1 | S |
| 38.283 | 0.0000 | 0.0000 | 88.262 | 0.38850 | 0.00000 | 316523.1 | 144617.0 | 100632.1 | S |
| 38.292 | 0.0000 | 0.0000 | 88.262 | 0.38840 | 0.00000 | 316523.1 | 144628.7 | 100632.1 | S |
| 38.300 | 0.0000 | 0.0000 | 88.261 | 0.38829 | 0.00000 | 316523.1 | 144640.3 | 100632.1 | S |
| 38.308 | 0.0000 | 0.0000 | 88.261 | 0.38818 | 0.00000 | 316523.1 | 144652.0 | 100632.1 | S |
| 38.317 | 0.0000 | 0.0000 | 88.260 | 0.38807 | 0.00000 | 316523.1 | 144663.6 | 100632.1 | S |
| 38.325 | 0.0000 | 0.0000 | 88.260 | 0.38797 | 0.00000 | 316523.1 | 144675.3 | 100632.1 | S |
| 38.333 | 0.0000 | 0.0000 | 88.259 | 0.38786 | 0.00000 | 316523.1 | 144686.9 | 100632.1 | S |
| 38.342 | 0.0000 | 0.0000 | 88.259 | 0.38775 | 0.00000 | 316523.1 | 144698.5 | 100632.1 | S |
| 38.350 | 0.0000 | 0.0000 | 88.258 | 0.38764 | 0.00000 | 316523.1 | 144710.2 | 100632.1 | S |
| 38.358 | 0.0000 | 0.0000 | 88.258 | 0.38754 | 0.00000 | 316523.1 | 144721.8 | 100632.1 | S |
| 38.367 | 0.0000 | 0.0000 | 88.257 | 0.38743 | 0.00000 | 316523.1 | 144733.4 | 100632.1 | S |
| 38.375 | 0.0000 | 0.0000 | 88.257 | 0.38732 | 0.00000 | 316523.1 | 144745.0 | 100632.1 | S |
| 38.383 | 0.0000 | 0.0000 | 88.256 | 0.38722 | 0.00000 | 316523.1 | 144756.7 | 100632.1 | S |
| 38.392 | 0.0000 | 0.0000 | 88.256 | 0.38711 | 0.00000 | 316523.1 | 144768.3 | 100632.1 | S |
| 38.400 | 0.0000 | 0.0000 | 88.255 | 0.38700 | 0.00000 | 316523.1 | 144779.9 | 100632.1 | S |
| 38.408 | 0.0000 | 0.0000 | 88.255 | 0.38689 | 0.00000 | 316523.1 | 144791.5 | 100632.1 | S |
| 38.417 | 0.0000 | 0.0000 | 88.254 | 0.38679 | 0.00000 | 316523.1 | 144803.1 | 100632.1 | S |
| 38.425 | 0.0000 | 0.0000 | 88.254 | 0.38668 | 0.00000 | 316523.1 | 144814.7 | 100632.1 | S |
| 38.433 | 0.0000 | 0.0000 | 88.253 | 0.38657 | 0.00000 | 316523.1 | 144826.3 | 100632.1 | S |
| 38.442 | 0.0000 | 0.0000 | 88.253 | 0.38647 | 0.00000 | 316523.1 | 144837.9 | 100632.1 | S |
| 38.450 | 0.0000 | 0.0000 | 88.252 | 0.38636 | 0.00000 | 316523.1 | 144849.5 | 100632.1 | S |
| 38.458 | 0.0000 | 0.0000 | 88.252 | 0.38626 | 0.00000 | 316523.1 | 144861.1 | 100632.1 | S |
| 38.467 | 0.0000 | 0.0000 | 88.251 | 0.38615 | 0.00000 | 316523.1 | 144872.7 | 100632.1 | S |
| 38.475 | 0.0000 | 0.0000 | 88.251 | 0.38604 | 0.00000 | 316523.1 | 144884.3 | 100632.1 | S |
| 38.483 | 0.0000 | 0.0000 | 88.250 | 0.38594 | 0.00000 | 3 ¢6523.1 | 144895.8 | 100632.1 | S |
| 38.492 | 0.0000 | 0.0000 | 88.250 | 0.38583 | 0.00000 | 316523.1 | 144907.4 | 100632.1 | S |
| 38.500 | 0.0000 | 0.0000 | 88.249 | 0.38572 | 0.00000 | 316523.1 | 144919.0 | 100632.1 | S |
| 38.508 | 0.0000 | 0.0000 | 88.249 | 0.38562 | 0.00000 | 316523.1 | 144930.6 | 100632.1 | S |
| 38.517 | 0.0000 | 0.0000 | 88.248 | 0.38551 | 0.00000 | 316523.1 | 144942.1 | 100632.1 | S |
| 38.525 | 0.0000 | 0.0000 | 88.248 | 0.38541 | 0.00000 | 316523.1 | 144953.7 | 100632.1 | S |
| 38.533 | 0.0000 | 0.0000 | 88.247 | 0.38530 | 0.00000 | 316523.1 | 144965.3 | 100632.1 | S |
| 38.542 | 0.0000 | 0.0000 | 88.247 | 0.38519 | 0.00000 | 316523.1 | 144976.8 | 100632.1 | S |
| 38.550 | 0.0000 | 0.0000 | 88.246 | 0.38509 | 0.00000 | 316523.1 | 144988.4 | 100632.1 | S |
| 38.558 | 0.0000 | 0.0000 | 88.246 | 0.38498 | 0.00000 | 316523.1 | 144999.9 | 100632.1 | S |
| 38.567 | 0.0000 | 0.0000 | 88.245 | 0.38488 | 0.00000 | 316523.1 | 145011.5 | 100632.1 | S |
| 38.575 | 0.0000 | 0.0000 | 88.245 | 0.38477 | 0.00000 | 316523.1 | 145023.0 | 100632.1 | S |
| 38.583 | 0.0000 | 0.0000 | 88.244 | 0.38467 | 0.00000 | 316523.1 | 145034.5 | 100632.1 | S |
| 38.592 | 0.0000 | 0.0000 | 88.244 | 0.38456 | 0.00000 | 316523.1 | 145046.1 | 100632.1 | S |
| 38.600 | 0.0000 | 0.0000 | 88.243 | 0.38445 | 0.00000 | 316523.1 | 145057.6 | 100632.1 | S |
| 38.608 | 0.0000 | 0.0000 | 88.243 | 0.38435 | 0.00000 | 316523.1 | 145069.2 | 100632.1 | S |
| 38.617 | 0.0000 | 0.0000 | 88.242 | 0.38424 | 0.00000 | 316523.1 | 145080.7 | 100632.1 | S |
| 38.625 | 0.0000 | 0.0000 | 88.242 | 0.38414 | 0.00000 | 316523.1 | 145092.2 | 100632.1 | S |
| 38.633 | 0.0000 | 0.0000 | 88.241 | 0.38403 | 0.00000 | 316523.1 | 145103.7 | 100632.1 | S |
| 38.642 | 0.0000 | 0.0000 | 88.241 | 0.38393 | 0.00000 | 316523.1 | 145115.3 | 100632.1 | S |
| 38.650 | 0.0000 | 0.0000 | 88.240 | 0.38382 | 0.00000 | 316523.1 | 145126.8 | 100632.1 | S |
| 38.658 | 0.0000 | 0.0000 | 88.240 | 0.38372 | 0.00000 | 316523.1 | 145138.3 | 100632.1 | S |
| 38.667 | 0.0000 | 0.0000 | 88.239 | 0.38361 | 0.00000 | 316523.1 | 145149.8 | 100632.1 | S |
| 38.675 | 0.0000 | 0.0000 | 88.239 | 0.38351 | 0.00000 | 316523.1 | 145161.3 | 100632.1 | S |
| 38.683 | 0.0000 | 0.0000 | 88.238 | 0.38340 | 0.00000 | 316523.1 | 145172.8 | 100632.1 | S |
| 38.692 | 0.0000 | 0.0000 | 88.238 | 0.38330 | 0.00000 | 316523.1 | 145184.3 | 100632.1 | S |
| 38.700 | 0.0000 | 0.0000 | 88.237 | 0.38319 | 0.00000 | 316523.1 | 145195.8 | 100632.1 | S |
| 38.708 | 0.0000 | 0.0000 | 88.237 | 0.38309 | 0.00000 | 316523.1 | 145207.3 | 100632.1 | S |
| 38.717 | 0.0000 | 0.0000 | 88.236 | 0.38298 | 0.00000 | 316523.1 | 145218.8 | 100632.1 | S |
| 38.725 | 0.0000 | 0.0000 | 88.236 | 0.38288 | 0.00000 | 316523.1 | 145230.3 | 100632.1 | S |
| 38.733 | 0.0000 | 0.0000 | 88.235 | 0.38277 | 0.00000 | 316523.1 | 145241.8 | 100632.1 | S |
| 38.742 | 0.0000 | 0.0000 | 88.235 | 0.38267 | 0.00000 | 316523.1 | 145253.2 | 100632.1 | S |
| 38.750 | 0.0000 | 0.0000 | 88.234 | 0.38257 | 0.00000 | 316523.1 | 145264.7 | 100632.1 | S |
| 38.758 | 0.0000 | 0.0000 | 88.234 | 0.38246 | 0.00000 | 316523.1 | 145276.2 | 100632.1 | S |
| 38.767 | 0.0000 | 0.0000 | 88.234 | 0.38236 | 0.00000 | 316523.1 | 145287.7 | 100632.1 | S |
| 38.775 | 0.0000 | 0.0000 | 88.233 | 0.38225 | 0.00000 | 316523.1 | 145299.1 | 100632.1 | S |
| 38.783 | 0.0000 | 0.0000 | 88.233 | 0.38215 | 0.00000 | 316523.1 | 145310.6 | 100632.1 | S |
| 38.792 | 0.0000 | 0.0000 | 88.232 | 0.38204 | 0.00000 | 316523.1 | 145322.1 | 100632.1 | S |
| 38.800 | 0.0000 | 0.0000 | 88.232 | 0.38194 | 0.00000 | 316523.1 | 145333.5 | 100632.1 | S |
| 38.808 | 0.0000 | 0.0000 | 88.231 | 0.38184 | 0.00000 | 316523.1 | 145345.0 | 100632.1 | S |
| 38.817 | 0.0000 | 0.0000 | 88.231 | 0.38173 | 0.00000 | 316523.1 | 145356.4 | 100632.1 | S |
| 38.825 | 0.0000 | 0.0000 | 88.230 | 0.38163 | 0.00000 | 316523.1 | 145367.9 | 100632.1 | S |
| 38.833 | 0.0000 | 0.0000 | 88.230 | 0.38152 | 0.00000 | 316523.1 | 145379.3 | 100632.1 | S |
| 38.842 | 0.0000 | 0.0000 | 88.229 | 0.38142 | 0.00000 | 316523.1 | 145390.8 | 100632.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/overflow

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{3 / \mathrm{s}}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | $\begin{aligned} & \text { Cumulative } \\ & \text { Intlow } \\ & \text { Volume }\left(\mathrm{ft}^{3}\right) \end{aligned}$ | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 38.850 | 0.0000 | 0.0000 | 88.229 | 0.38132 | 0.00000 | 316523.1 | 145402.2 | 100632.1 | S |
| 38.858 | 0.0000 | 0.0000 | 88.228 | 0.38121 | 0.00000 | 316523.1 | 145413.6 | 100632.1 | S |
| 38.867 | 0.0000 | 0.0000 | 88.228 | 0.38111 | 0.00000 | 316523.1 | 145425.1 | 100632.1 | S |
| 38.875 | 0.0000 | 0.0000 | 88.227 | 0.38101 | 0.00000 | 316523.1 | 145436.5 | 100632.1 | S |
| 38.883 | 0.0000 | 0.0000 | 88.227 | 0.38090 | 0.00000 | 316523.1 | 145447.9 | 100632.1 | S |
| 38.892 | 0.0000 | 0.0000 | 88.226 | 0.38080 | 0.00000 | 316523.1 | 145459.4 | 100632.1 | S |
| 38.900 | 0.0000 | 0.0000 | 88.226 | 0.38069 | 0.00000 | 316523.1 | 145470.8 | 100632.1 | S |
| 38.908 | 0.0000 | 0.0000 | 88.225 | 0.38059 | 0.00000 | 316523.1 | 145482.2 | 100632.1 | S |
| 38.917 | 0.0000 | 0.0000 | 88.225 | 0.38049 | 0.00000 | 316523.1 | 145493.6 | 100632.1 | S |
| 38.925 | 0.0000 | 0.0000 | 88.224 | 0.38038 | 0.00000 | 316523.1 | 145505.0 | 100632.1 | S |
| 38.933 | 0.0000 | 0.0000 | 88.224 | 0.38028 | 0.00000 | 316523.1 | 145516.5 | 100632.1 | S |
| 38.942 | 0.0000 | 0.0000 | 88.223 | 0.38018 | 0.00000 | 316523.1 | 145527.9 | 100632.1 | S |
| 38.950 | 0.0000 | 0.0000 | 88.223 | 0.38008 | 0.00000 | 316523.1 | 145539.3 | 100632.1 | S |
| 38.958 | 0.0000 | 0.0000 | 88.222 | 0.37997 | 0.00000 | 316523.1 | 145550.7 | 100632.1 | S |
| 38.967 | 0.0000 | 0.0000 | 88.222 | 0.37987 | 0.00000 | 316523.1 | 145562.1 | 100632.1 | S |
| 38.975 | 0.0000 | 0.0000 | 88.221 | 0.37977 | 0.00000 | 316523.1 | 145573.5 | 100632.1 | S |
| 38.983 | 0.0000 | 0.0000 | 88.221 | 0.37966 | 0.00000 | 316523.1 | 145584.8 | 100632.1 | S |
| 38.992 | 0.0000 | 0.0000 | 88.220 | 0.37956 | 0.00000 | 316523.1 | 145596.2 | 100632.1 | S |
| 39.000 | 0.0000 | 0.0000 | 88.220 | 0.37946 | 0.00000 | 316523.1 | 145607.6 | 100632.1 | S |
| 39.008 | 0.0000 | 0.0000 | 88.219 | 0.37935 | 0.00000 | 316523.1 | 145619.0 | 100632.1 | S |
| 39.017 | 0.0000 | 0.0000 | 88.219 | 0.37925 | 0.00000 | 316523.1 | 145630.4 | 100632.1 | S |
| 39.025 | 0.0000 | 0.0000 | 88.218 | 0.37915 | 0.00000 | 316523.1 | 145641.8 | 100632.1 | S |
| 39.033 | 0.0000 | 0.0000 | 88.218 | 0.37905 | 0.00000 | 316523.1 | 145653.1 | 100632.1 | S |
| 39.042 | 0.0000 | 0.0000 | 88.217 | 0.37894 | 0.00000 | 316523.1 | 145664.5 | 100632.1 | S |
| 39.050 | 0.0000 | 0.0000 | 88.217 | 0.37884 | 0.00000 | 316523.1 | 145675.9 | 100632.1 | S |
| 39.058 | 0.0000 | 0.0000 | 88.216 | 0.37874 | 0.00000 | 316523.1 | 145687.2 | 100632.1 | S |
| 39.067 | 0.0000 | 0.0000 | 88.216 | 0.37864 | 0.00000 | 316523.1 | 145698.6 | 100632.1 | S |
| 39.075 | 0.0000 | 0.0000 | 88.215 | 0.37854 | 0.00000 | 316523.1 | 145710.0 | 100632.1 | S |
| 39.083 | 0.0000 | 0.0000 | 88.215 | 0.37843 | 0.00000 | 316523.1 | 145721.3 | 100632.1 | S |
| 39.092 | 0.0000 | 0.0000 | 88.214 | 0.37833 | 0.00000 | 316523.1 | 145732.7 | 100632.1 | S |
| 39.100 | 0.0000 | 0.0000 | 88.214 | 0.37823 | 0.00000 | 316523.1 | 145744.0 | 100632.1 | S |
| 39.108 | 0.0000 | 0.0000 | 88.213 | 0.37813 | 0.00000 | 316523.1 | 145755.3 | 100632.1 | S |
| 39.117 | 0.0000 | 0.0000 | 88.213 | 0.37802 | 0.00000 | 316523.1 | 145766.7 | 100632.1 | S |
| 39.125 | 0.0000 | 0.0000 | 88.212 | 0.37792 | 0.00000 | 316523.1 | 145778.0 | 100632.1 | S |
| 39.133 | 0.0000 | 0.0000 | 88.212 | 0.37782 | 0.00000 | 316523.1 | 145789.4 | 100632.1 | S |
| 39.142 | 0.0000 | 0.0000 | 88.211 | 0.37772 | 0.00000 | 316523.1 | 145800.7 | 100632.1 | S |
| 39.150 | 0.0000 | 0.0000 | 88.211 | 0.37762 | 0.00000 | 316523.1 | 145812.0 | 100632.1 | S |
| 39.158 | 0.0000 | 0.0000 | 88.210 | 0.37752 | 0.00000 | 316523.1 | 145823.4 | 100632.1 | S |
| 39.167 | 0.0000 | 0.0000 | 88.210 | 0.37741 | 0.00000 | 316523.1 | 145834.7 | 100632.1 | S |
| 39.175 | 0.0000 | 0.0000 | 88.210 | 0.37731 | 0.00000 | 316523.1 | 145846.0 | 100632.1 | S |
| 39.183 | 0.0000 | 0.0000 | 88.209 | 0.37721 | 0.00000 | 316523.1 | 145857.3 | 100632.1 | S |
| 39.192 | 0.0000 | 0.0000 | 88.209 | 0.37711 | 0.00000 | 316523.1 | 145868.6 | 400632.1 | S |
| 39.200 | 0.0000 | 0.0000 | 88.208 | 0.37701 | 0.00000 | 316523.1 | 145879.9 | 100632.1 | S |
| 39.208 | 0.0000 | 0.0000 | 88.208 | 0.37691 | 0.00000 | 316523.1 | 145891.3 | 100632.1 | S |
| 39.217 | 0.0000 | 0.0000 | 88.207 | 0.37680 | 0.00000 | 316523.1 | 145902.6 | 100632.1 | S |
| 39.225 | 0.0000 | 0.0000 | 88.207 | 0.37670 | 0.00000 | 316523.1 | 145913.9 | 100632.1 | S |
| 39.233 | 0.0000 | 0.0000 | 88.206 | 0.37660 | 0.00000 | 316523.1 | 145925.2 | 100632.1 | S |
| 39.242 | 0.0000 | 0.0000 | 88.206 | 0.37650 | 0.00000 | 316523.1 | 145936.5 | 100632.1 | S |
| 39.250 | 0.0000 | 0.0000 | 88.205 | 0.37640 | 0.00000 | 316523.1 | 145947.8 | 100632.1 | S |
| 39.258 | 0.0000 | 0.0000 | 88.205 | 0.37630 | 0.00000 | 316523.1 | 145959.0 | 100632.1 | S |
| 39.267 | 0.0000 | 0.0000 | 88.204 | 0.37620 | 0.00000 | 316523.1 | 145970.3 | 100632.1 | S |
| 39.275 | 0.0000 | 0.0000 | 88.204 | 0.37610 | 0.00000 | 316523.1 | 145981.6 | 100632.1 | S |
| 39.283 | 0.0000 | 0.0000 | 88.203 | 0.37600 | 0.00000 | 316523.1 | 145992.9 | 100632.1 | S |
| 39.292 | 0.0000 | 0.0000 | 88.203 | 0.37589 | 0.00000 | 316523.1 | 146004.2 | 100632.1 | S |
| 39.300 | 0.0000 | 0.0000 | 88.202 | 0.37579 | 0.00000 | 316523.1 | 146015.5 | 100632.1 | S |
| 39.308 | 0.0000 | 0.0000 | 88.202 | 0.37569 | 0.00000 | 316523.1 | 146026.7 | 100632.1 | S |
| 39.317 | 0.0000 | 0.0000 | 88.201 | 0.37559 | 0.00000 | 316523.1 | 146038.0 | 100632.1 | S |
| 39.325 | 0.0000 | 0.0000 | 88.201 | 0.37549 | 0.00000 | 316523.1 | 146049.3 | 100632.1 | S |
| 39.333 | 0.0000 | 0.0000 | 88.200 | 0.37539 | 0.00000 | 316523.1 | 146060.5 | 100632.1 | S |
| 39.342 | 0.0000 | 0.0000 | 88.200 | 0.37529 | 0.00000 | 316523.1 | 146071.8 | 100632.1 | S |
| 39.350 | 0.0000 | 0.0000 | 88.199 | 0.37519 | 0.00000 | 316523.1 | 146083.0 | 100632.1 | S |
| 39.358 | 0.0000 | 0.0000 | 88.199 | 0.37509 | 0.00000 | 316523.1 | 146094.3 | 100632.1 | S |
| 39.367 | 0.0000 | 0.0000 | 88.198 | 0.37499 | 0.00000 | 316523.1 | 146105.5 | 100632.1 | S |
| 39.375 | 0.0000 | 0.0000 | 88.198 | 0.37489 | 0.00000 | 316523.1 | 146116.8 | 100632.1 | S |
| 39.383 | 0.0000 | 0.0000 | 88.197 | 0.37479 | 0.00000 | 316523.1 | 146128.0 | 100632.1 | S |
| 39.392 | 0.0000 | 0.0000 | 88.197 | 0.37469 | 0.00000 | 316523.1 | 146139.3 | 100632.1 | S |
| 39.400 | 0.0000 | 0.0000 | 88.196 | 0.37459 | 0.00000 | 316523.1 | 146150.5 | 100632.1 | S |
| 39.408 | 0.0000 | 0.0000 | 88.196 | 0.37449 | 0.00000 | 316523.1 | 146161.8 | 100632.1 | S |
| 39.417 | 0.0000 | 0.0000 | 88.195 | 0.37439 | 0.00000 | 316523.1 | 146173.0 | 100632.1 | S |
| 39.425 | 0.0000 | 0.0000 | 88.195 | 0.37429 | 0.00000 | 316523.1 | 146184.2 | 100632.1 | S |
| 39.433 | 0.0000 | 0.0000 | 88.194 | 0.37419 | 0.00000 | 316523.1 | 146195.4 | 100632.1 | S |
| 39.442 | 0.0000 | 0.0000 | 88.194 | 0.37409 | 0.00000 | 316523.1 | 146206.7 | 100632.1 | S |
| 39.450 | 0.0000 | 0.0000 | 88.193 | 0.37399 | 0.00000 | 316523.1 | 146217.9 | 100632.1 | S |
| 39.458 | 0.0000 | 0.0000 | 88.193 | 0.37389 | 0.00000 | 316523.1 | 146229.1 | 100632.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:. Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | infiltration Rate ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{H}^{3 / 5}$ ) | Cumulative Inflow Volume ( $\mathrm{ff}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 39.467 | 0.0000 | 0.0000 | 88.193 | 0.37379 | 0.00000 | 316523.1 | 146240.3 | 100632.1 | S |
| 39.475 | 0.0000 | 0.0000 | 88.192 | 0.37369 | 0.00000 | 316523.1 | 146251.5 | 100632.1 | S |
| 39.483 | 0.0000 | 0.0000 | 88.192 | 0.37359 | 0.00000 | 316523.1 | 146262.7 | 100632.1 | S |
| 39.492 | 0.0000 | 0.0000 | 88.191 | 0.37349 | 0.00000 | 316523.1 | 146274.0 | 100632.1 | S |
| 39.500 | 0.0000 | 0.0000 | 88.191 | 0.37339 | 0.00000 | 316523.1 | 146285.2 | 100632.1 | S |
| 39.508 | 0.0000 | 0.0000 | 88.190 | 0.37329 | 0.00000 | 316523.1 | 146296.3 | 100632.7 | S |
| 39.517 | 0.0000 | 0.0000 | 88.190 | 0.37319 | 0.00000 | 316523.1 | 146307.5 | 100632.1 | S |
| 39.525 | 0.0000 | 0.0000 | 88.189 | 0.37309 | 0.00000 | 316523.1 | 146318.8 | 100632.1 | S |
| 39.533 | 0.0000 | 0.0000 | 88.189 | 0.37299 | 0.00000 | 316523.1 | 146329.9 | 100632.1 | S |
| 39.542 | 0.0000 | 0.0000 | 88.188 | 0.37289 | 0.00000 | 316523.1 | 146341.1 | 100632.1 | S |
| 39.550 | 0.0000 | 0.0000 | 88.188 | 0.37279 | 0.00000 | 316523.1 | 146352.3 | 100632.1 | S |
| 39.558 | 0.0000 | 0.0000 | 88.187 | 0.37269 | 0.00000 | 316523.1 | 146363.5 | 100632.1 | S |
| 39.567 | 0.0000 | 0.0000 | 88.187 | 0.37259 | 0.00000 | 316523.1 | 146374.7 | 100632.1 | S |
| 39.575 | 0.0000 | 0.0000 | 88.186 | 0.37250 | 0.00000 | 316523.1 | 146385.8 | 100632.1 | S |
| 39.583 | 0.0000 | 0.0000 | 88.186 | 0.37240 | 0.00000 | 316523.1 | 146397.0 | 100632.1 | S |
| 39.592 | 0.0000 | 0.0000 | 88.185 | 0.37230 | 0.00000 | 316523.1 | 146408.2 | 100632.1 | S |
| 39.600 | 0.0000 | 0.0000 | 88.185 | 0.37220 | 0.00000 | 316523.1 | 146419.4 | 100632.1 | S |
| 39.608 | 0.0000 | 0.0000 | 88.184 | 0.37210 | 0.00000 | 316523.1 | 146430.5 | 100632.1 | S |
| 39.617 | 0.0000 | 0.0000 | 88.184 | 0.37200 | 0.00000 | 316523.1 | 146441.7 | 100632.1 | S |
| 39.625 | 0.0000 | 0.0000 | 88.183 | 0.37190 | 0.00000 | 316523.1 | 146452.8 | 100632.1 | S |
| 39.633 | 0.0000 | 0.0000 | 88.183 | 0.37180 | 0.00000 | 316523.1 | 146464.0 | 100632.1 | S |
| 39.642 | 0.0000 | 0.0000 | 88.182 | 0.37170 | 0.00000 | 316523.1 | 146475.2 | 100632.1 | S |
| 39.650 | 0.0000 | 0.0000 | 88.182 | 0.37161 | 0.00000 | 316523.1 | 146486.3 | 100632.1 | S |
| 39.658 | 0.0000 | 0.0000 | 88.181 | 0.37151 | 0.00000 | 316523.1 | 146497.5 | 100632.1 | S |
| 39.667 | 0.0000 | 0.0000 | 88.181 | 0.37141 | 0.00000 | 316523.1 | 146508.6 | 100632.1 | S |
| 39.675 | 0.0000 | 0.0000 | 88.180 | 0.37131 | 0.00000 | 316523.1 | 146519.7 | 100632.1 | S |
| 39.683 | 0.0000 | 0.0000 | 88.180 | 0.37121 | 0.00000 | 316523.1 | 146530.9 | 100632.1 | S |
| 39.692 | 0.0000 | 0.0000 | 88.180 | 0.37111 | 0.00000 | 316523.1 | 146542.0 | 100632.1 | S |
| 39.700 | 0.0000 | 0.0000 | 88.179 | 0.37101 | 0.00000 | 316523.1 | 146553.1 | 100632.1 | S |
| 39.708 | 0.0000 | 0.0000 | 88.179 | 0.37092 | 0.00000 | 316523.1 | 146564.3 | 100632.1 | S |
| 39.717 | 0.0000 | 0.0000 | 88.178 | 0.37082 | 0.00000 | 316523.1 | 146575.4 | 100632.1 | S |
| 39.725 | 0.0000 | 0.0000 | 88.178 | 0.37072 | 0.00000 | 316523.1 | 146586.5 | 100632.1 | S |
| 39.733 | 0.0000 | 0.0000 | 88.177 | 0.37062 | 0.00000 | 316523.1 | 146597.6 | 100632.1 | S |
| 39.742 | 0.0000 | 0.0000 | 88.177 | 0.37052 | 0.00000 | 316523.1 | 146608.8 | 100632.1 | S |
| 39.750 | 0.0000 | 0.0000 | 88.176 | 0.37043 | 0.00000 | 316523.1 | 146619.9 | 100632.1 | S |
| 39.758 | 0.0000 | 0.0000 | 88.176 | 0.37033 | 0.00000 | 316523.1 | 146631.0 | 100632.1 | S |
| 39.767 | 0.0000 | 0.0000 | 88.175 | 0.37023 | 0.00000 | 316523.1 | 146642.1 | 100632.1 | S |
| 39.775 | 0,0000 | 0.0000 | 88.175 | 0.37013 | 0.00000 | 316523.1 | 146653.2 | 100632.1 | S |
| 39.783 | 0.0000 | 0.0000 | 88.174 | 0.37003 | 0.00000 | 316523.1 | 146664.3 | 100632.1 | S |
| 39.792 | 0.0000 | 0.0000 | 88.174 | 0.36994 | 0.00000 | 316523.1 | 146675.4 | 100632.1 | S |
| 39.800 | 0.0000 | 0.0000 | 88.173 | 0.36984 | 0.00000 | 316523.1 | 146686.5 | 100632.1 | S |
| 39.808 | 0.0000 | 0.0000 | 88.173 | 0.36974 | 0.00000 | 316523.1 | 146697.6 | 100632.1 | S |
| 39.817 | 0.0000 | 0.0000 | 88.172 | 0.36964 | 0.00000 | 316523.1 | 146708.7 | 100632.1 | S |
| 39.825 | 0.0000 | 0.0000 | 88.172 | 0.36955 | 0.00000 | 316523.1 | 146719.8 | 100632.1 | S |
| 39.833 | 0.0000 | 0.0000 | 88.171 | 0.36945 | 0.00000 | 316523.1 | 146730.8 | 100632.1 | S |
| 39.842 | 0.0000 | 0.0000 | 88.171 | 0.36935 | 0.00000 | 316523.1 | 146741.9 | 100632.1 | S |
| 39.850 | 0.0000 | 0.0000 | 88.170 | 0.36925 | 0.00000 | 316523.1 | 146753.0 | 100632.1 | S |
| 39.858 | 0.0000 | 0.0000 | 88.170 | 0.36916 | 0.00000 | 316523.1 | 146764.1 | 100632.1 | S |
| 39.867 | 0.0000 | 0.0000 | 88.169 | 0.36906 | 0.00000 | 316523.1 | 146775.2 | 100632.1 | S |
| 39.875 | 0.0000 | 0.0000 | 88.169 | 0.36896 | 0.00000 | 316523.1 | 146786.2 | 100632.1 | S |
| 39.883 | 0.0000 | 0.0000 | 88.168 | 0.36886 | 0.00000 | 316523.1 | 146797.3 | 100632.7 | S |
| 39.892 | 0.0000 | 0.0000 | 88.168 | 0.36877 | 0.00000 | 316523.1 | 146808.4 | 100632.1 | S |
| 39.900 | 0.0000 | 0.0000 | 88.168 | 0.36867 | 0.00000 | 316523.1 | 146819.4 | 100632.1 | S |
| 39.908 | 0.0000 | 0.0000 | 88.167 | 0.36857 | 0.00000 | 316523.1 | 146830.5 | 100632.1 | S |
| 39.917 | 0.0000 | 0.0000 | 88.167 | 0.36848 | 0.00000 | 316523.1 | 146841.5 | 100632.1 | S |
| 39.925 | 0.0000 | 0.0000 | 88.166 | 0.36838 | 0.00000 | 316523.1 | 146852.6 | 100632.1 | S |
| 39.933 | 0.0000 | 0.0000 | 88.166 | 0.36828 | 0.00000 | 316523.1 | 146863.6 | 100632.1 | S |
| 39.942 | 0.0000 | 0.0000 | 88.165 | 0.36818 | 0.00000 | 316523.1 | 146874.7 | 100632.1 | S |
| 39.950 | 0.0000 | 0.0000 | 88.165 | 0.36809 | 0.00000 | 316523.1 | 146885.7 | 100632.1 | S |
| 39,958 | 0.0000 | 0.0000 | 88.164 | 0.36799 | 0.00000 | 316523.1 | 146896.8 | 100632.1 | S |
| 39.967 | 0.0000 | 0.0000 | 88.164 | 0.36789 | 0.00000 | 316523.1 | 146907.8 | 100632.1 | S |
| 39.975 | 0.0000 | 0.0000 | 88.163 | 0.36780 | 0.00000 | 316523.1 | 146918.8 | 100632.1 | S |
| 39.983 | 0.0000 | 0.0000 | 88.163 | 0.36770 | 0.00000 | 316523.1 | 146929.9 | 100632.1 | S |
| 39.992 | 0.0000 | 0.0000 | 88.162 | 0.36760 | 0.00000 | 316523.1 | 146940.9 | 100632.1 | S |
| 40.000 | 0.0000 | 0.0000 | 88.162 | 0.36751 | 0.00000 | 316523.1 | 146951.9 | 100632.1 | S |
| 40.008 | 0.0000 | 0.0000 | 88.161 | 0.36741 | 0.00000 | 316523.1 | 146963.0 | 100632.1 | S |
| 40.017 | 0.0000 | 0.0000 | 88.161 | 0.36731 | 0.00000 | 316523.1 | 146974.0 | 100632.1 | S |
| 40.025 | 0.0000 | 0.0000 | 88.160 | 0.36722 | 0.00000 | 316523.1 | 146985.0 | 100632.1 | S |
| 40.033 | 0.0000 | 0.0000 | 88.160 | 0.36712 | 0.00000 | 316523.1 | 146996.0 | 100632.1 | S |
| 40.042 | 0.0000 | 0.0000 | 88.159 | 0.36703 | 0.00000 | 316523.1 | 147007.0 | 100632.1 | S |
| 40.050 | 0.0000 | 0.0000 | 88.159 | 0.36693 | 0.00000 | 316523.1 | 147018.0 | 100632.1 | S |
| 40.058 | 0.0000 | 0.0000 | 88.158 | 0.36683 | 0.00000 | 316523.1 | 147029.0 | 100632.1 | S |
| 40.067 | 0.0000 | 0.0000 | 88.158 | 0.36674 | 0.00000 | 316523.1 | 147040.0 | 100632.1 | S |
| 40.075 | 0.0000 | 0.0000 | 88.157 | 0.36664 | 0.00000 | 316523.1 | 147051.0 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario $1: \because$ pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate (ft ${ }^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 40.083 | 0.0000 | 0.0000 | 88.157 | 0.36655 | 0.00000 | 316523.1 | 147062.0 | 100632.1 | S |
| 40.092 | 0.0000 | 0.0000 | 88.157 | 0.36645 | 0.00000 | 316523.1 | 147073.0 | 100632.1 | S |
| 40.100 | 0.0000 | 0.0000 | 88.156 | 0.36635 | 0.00000 | 316523.1 | 147084.0 | 100632.1 | S |
| 40.108 | 0.0000 | 0.0000 | 88.156 | 0.36626 | 0.00000 | 316523.1 | 147095.0 | 100632.1 | S |
| 40.117 | 0.0000 | 0.0000 | 88.155 | 0.36616 | 0.00000 | 316523.1 | 147106.0 | 100632.1 | S |
| 40.125 | 0.0000 | 0.0000 | 88.155 | 0.36607 | 0.00000 | 316523.1 | 147177.0 | 100632.1 | S |
| 40.133 | 0.0000 | 0.0000 | 88.154 | 0.36597 | 0.00000 | 316523.1 | 147128.0 | 100632.1 | S |
| 40.142 | 0.0000 | 0.0000 | 88.154 | 0.36587 | 0.00000 | 316523.1 | 147138.9 | 100632.1 | S |
| 40.150 | 0.0000 | 0.0000 | 88.153 | 0.36578 | 0.00000 | 316523.1 | 147149.9 | 100632.1 | S |
| 40.158 | 0.0000 | 0.0000 | 88.153 | 0.36568 | 0.00000 | 316523.1 | 147160.9 | 100632.1 | S |
| 40.167 | 0.0000 | 0.0000 | 88.152 | 0.36559 | 0.00000 | 316523.1 | 147171.9 | 100632.1 | 5 |
| 40.175 | 0.0000 | 0.0000 | 88.152 | 0.36549 | 0.00000 | 316523.1 | 147182.8 | 100632.1 | S |
| 40.183 | 0.0000 | 0.0000 | 88.151 | 0.36540 | 0.00000 | 316523.1 | 147193.8 | 100632.1 | S |
| 40.192 | 0.0000 | 0.0000 | 88.151 | 0.36530 | 0.00000 | 316523.1 | 147204.8 | 100632.1 | 5 |
| 40.200 | 0.0000 | 0.0000 | 88.150 | 0.36521 | 0.00000 | 316523.1 | 147215.7 | 100632.1 | S |
| 40.208 | 0.0000 | 0.0000 | 88.150 | 0.36511 | 0.00000 | 316523.1 | 147226.7 | 100632.1 | S |
| 40.217 | 0.0000 | 0.0000 | 88.149 | 0.36502 | 0.00000 | 316523.1 | 147237.6 | 100632.1 | S |
| 40.225 | 0.0000 | 0.0000 | 88.149 | 0.36492 | 0.00000 | 316523.1 | 147248.6 | 100632.1 | S |
| 40.233 | 0.0000 | 0.0000 | 88.148 | 0.36482 | 0.00000 | 316523.1 | 147259.5 | 100632.1 | S |
| 40.242 | 0.0000 | 0.0000 | 88.148 | 0.36473 | 0.00000 | 316523.1 | 147270.5 | 100632.1 | S |
| 40.250 | 0.0000 | 0.0000 | 88.147 | 0.36463 | 0.00000 | 316523.1 | 147281.4 | 100632.1 | S |
| 40.258 | 0.0000 | 0.0000 | 88.147 | 0.36454 | 0.00000 | 316523.1 | 147292.3 | 100632.1 | S |
| 40.267 | 0.0000 | 0.0000 | 88.147 | 0.36444 | 0.00000 | 316523.1 | 147303.3 | 100632.1 | S |
| 40.275 | 0.0000 | 0.0000 | 88.146 | 0.36435 | 0.00000 | 316523.1 | 147314.2 | 100632.1 | S |
| 40.283 | 0.0000 | 0.0000 | 88.146 | 0.36425 | 0.00000 | 316523.1 | 147325.1 | 100632.1 | S |
| 40.292 | 0.0000 | 0.0000 | 88.145 | 0.36416 | 0.00000 | 316523.1 | 147336.0 | 100632.1 | S |
| 40.300 | 0.0000 | 0.0000 | 88.145 | 0.36407 | 0.00000 | 316523.1 | 147347.0 | 100632.1 | S |
| 40.308 | 0.0000 | 0.0000 | 88.144 | 0.36397 | 0.00000 | 316523.1 | 147357.9 | 100632.1 | S |
| 40.317 | 0.0000 | 0.0000 | 88.144 | 0.36388 | 0.00000 | 316523.1 | 147368.8 | 100632.1 | S |
| 40.325 | 0.0000 | 0.0000 | 88.143 | 0.36378 | 0.00000 | 316523.1 | 147379.7 | 100632.1 | S |
| 40.333 | 0.0000 | 0.0000 | 88.143 | 0.36369 | 0.00000 | 316523.1 | 147390.6 | 100632.1 | S |
| 40.342 | 0.0000 | 0.0000 | 88.142 | 0.36359 | 0.00000 | 316523.1 | 147401.5 | 100632.1 | S |
| 40.350 | 0.0000 | 0.0000 | 88.142 | 0.36350 | 0.00000 | 316523.1 | 147412.5 | 100632.1 | S |
| 40.358 | 0.0000 | 0.0000 | 88.141 | 0.36340 | 0.00000 | 316523.1 | 147423.4 | 100632.1 | S |
| 40.367 | 0.0000 | 0.0000 | 88.141 | 0.36331 | 0.00000 | 316523.1 | 147434.3 | 100632.1 | S |
| 40.375 | 0.0000 | 0.0000 | 88.140 | 0.36321 | 0.00000 | 316523.1 | 147445.2 | 100632.1 | S |
| 40.383 | 0.0000 | 0.0000 | 88.140 | 0.36312 | 0.00000 | 316523.1 | 147456.0 | 100632.1 | S |
| 40.392 | 0.0000 | 0.0000 | 88.139 | 0.36303 | 0.00000 | 316523.1 | 147466.9 | 100632.1 | S |
| 40.400 | 0.0000 | 0.0000 | 88.139 | 0.36293 | 0.00000 | 316523.1 | 147477.8 | 100632.1 | S |
| 40.408 | 0.0000 | 0.0000 | 88.138 | 0.36284 | 0.00000 | 316523.1 | 147488.7 | 100632.1 | S |
| 40.417 | 0.0000 | 0.0000 | 88.138 | 0.36274 | 0.00000 | 316523.1 | 147499.6 | 100632.1 | S |
| 40.425 | 0.0000 | 0.0000 | 88.138 | 0.36265 | 0.00000 | 316523.1 | 147510.5 | 100632.1 | S |
| 40.433 | 0.0000 | 0.0000 | 88.137 | 0.36256 | 0.00000 | 316523.1 | 147521.4 | 100632.1 | S |
| 40.442 | 0.0000 | 0.0000 | 88.137 | 0.36246 | 0.00000 | 316523.1 | 147532.2 | 100632.1 | S |
| 40.450 | 0.0000 | 0.0000 | 88.136 | 0.36237 | 0.00000 | 316523.1 | 147543.1 | 100632.1 | S |
| 40.458 | 0.0000 | 0.0000 | 88.136 | 0.36227 | 0.00000 | 316523.1 | 147554.0 | 100632.1 | S |
| 40.467 | 0.0000 | 0.0000 | 88.135 | 0.36218 | 0.00000 | 316523.1 | 147564.8 | 100632.1 | 5 |
| 40.475 | 0.0000 | 0.0000 | 88.135 | 0.36209 | 0.00000 | 316523.1 | 147575.7 | 100632.1 | S |
| 40.483 | 0.0000 | 0.0000 | 88.134 | 0.36199 | 0.00000 | 316523.1 | 147586.6 | 100632.1 | S |
| 40.492 | 0.0000 | 0.0000 | 88.134 | 0.36190 | 0.00000 | 316523.1 | 147597.4 | 100632.1 | S |
| 40.500 | 0.0000 | 0.0000 | 88.133 | 0.36180 | 0.00000 | 316523.1 | 147608.3 | 100632.1 | S |
| 40.508 | 0.0000 | 0.0000 | 88.133 | 0.36171 | 0.00000 | 316523.1 | 147619.1 | 100632.1 | S |
| 40.517 | 0.0000 | 0.0000 | 88.132 | 0.36162 | 0.00000 | 316523.1 | 147630.0 | 100632.1 | S |
| 40.525 | 0.0000 | 0.0000 | 88.132 | 0.36152 | 0.00000 | 316523.1 | 147640.8 | 100632.1 | S |
| 40.533 | 0.0000 | 0.0000 | 88.131 | 0.36143 | 0.00000 | 316523.1 | 147651.7 | 100632.1 | S |
| 40.542 | 0.0000 | 0.0000 | 88.131 | 0.36134 | 0.00000 | 318523.1 | 147662.5 | 100632.1 | S |
| 40.550 | 0.0000 | 0.0000 | 88.130 | 0.36124 | 0.00000 | 316523.1 | 147673.4 | 100632.1 | S |
| 40.558 | 0.0000 | 0.0000 | 88.130 | 0.36115 | 0.00000 | 316523.1 | 147684.2 | 100632.1 | S |
| 40.567 | 0.0000 | 0.0000 | 88.129 | 0.36106 | 0.00000 | 316523.1 | 147695.0 | 100632.1 | S |
| 40.575 | 0.0000 | 0.0000 | 88.129 | 0.36096 | 0.00000 | 316523.1 | 147705.9 | 100632.1 | S |
| 40.583 | 0.0000 | 0.0000 | 88.129 | 0.36087 | 0.00000 | 316523.1 | 147716.7 | 100632.1 | S |
| 40.592 | 0.0000 | 0.0000 | 88.128 | 0.36078 | 0.00000 | 316523.1 | 147727.5 | 100632.1 | S |
| 40.600 | 0.0000 | 0.0000 | 88.128 | 0.36068 | 0.00000 | 316523.1 | 147738.3 | 100632.1 | S |
| 40.608 | 0.0000 | 0.0000 | 88.127 | 0.36059 | 0.00000 | 316523.1 | 147749.2 | 100632.1 | S |
| 40.617 | 0.0000 | 0.0000 | 88.127 | 0.36050 | 0.00000 | 316523.1 | 147760.0 | 100632.1 | S |
| 40.625 | 0.0000 | 0.0000 | 88.126 | 0.36041 | 0.00000 | 316523.1 | 147770.8 | 100632.1 | S |
| 40.633 | 0.0000 | 0.0000 | 88.126 | 0.36031 | 0.00000 | 316523.1 | 147781.6 | 100632.1 | S |
| 40.642 | 0.0000 | 0.0000 | 88.125 | 0.36022 | 0.00000 | 316523.1 | 147792.4 | 100632.1 | S |
| 40.650 | 0.0000 | 0.0000 | 88.125 | 0.36013 | 0.00000 | 316523.1 | 147803.2 | 100632.1 | S |
| 40.658 | 0.0000 | 0.0000 | 88.124 | 0.36003 | 0.00000 | 316523.1 | 147814.0 | 100632.1 | S |
| 40.667 | 0.0000 | 0.0000 | 88.124 | 0.35994 | 0.00000 | 316523.1 | 147824.8 | 100632.1 | S |
| 40.675 | 0.0000 | 0.0000 | 88.123 | 0.35985 | 0.00000 | 316523.1 | 147835.6 | 100632.3 | S |
| 40.683 | 0.0000 | 0.0000 | 88.123 | 0.35976 | 0.00000 | 316523.1 | 147846.4 | 100632.1 | S |
| 40.692 | 0.0000 | 0.0000 | 88.122 | 0.35966 | 0.00000 | 316523.1 | 147857.2 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{H}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{H}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{t}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 40.700 | 0.0000 | 0.0000 | 88.122 | 0.35957 | 0.00000 | 316523.1 | 147868.0 | 100632.1 | S |
| 40.708 | 0.0000 | 0.0000 | 88.121 | 0.35948 | 0.00000 | 316523.1 | 147878.8 | 100632.1 | S |
| 40.717 | 0.0000 | 0.0000 | 88.121 | 0.35939 | 0.00000 | 316523.1 | 147889.5 | 100632.1 | S |
| 40.725 | 0.0000 | 0.0000 | 88.121 | 0.35929 | 0.00000 | 316523.1 | 147900.3 | 100632.1 | S |
| 40.733 | 0.0000 | 0.0000 | 88.120 | 0.35920 | 0.00000 | 316523.1 | 147911.1 | \$00632.1 | S |
| 40.742 | 0.0000 | 0.0000 | 88.120 | 0.35911 | 0.00000 | 316523.1 | 147921.9 | 100632.1 | S |
| 40.750 | 0.0000 | 0.0000 | 88.119 | 0.35902 | 0.00000 | 316523.1 | 147932.7 | 100632.1 | S |
| 40.758 | 0.0000 | 0.0000 | 88.119 | 0.35893 | 0.00000 | 316523.1 | 147943.4 | 100632.1 | S |
| 40.767 | 0.0000 | 0.0000 | 88.118 | 0.35883 | 0.00000 | 316523.1 | 147954.2 | 100632.1 | S |
| 40.775 | 0.0000 | 0.0000 | 88.118 | 0.35874 | 0.00000 | 316523.1 | 147965.0 | 100632.1 | S |
| 40.783 | 0.0000 | 0.0000 | 88.117 | 0.35865 | 0.00000 | 316523.1 | 147975.7 | 100632.1 | S |
| 40.792 | 0.0000 | 0.0000 | 88.117 | 0.35856 | 0.00000 | 316523.1 | 147986.5 | 100632.1 | S |
| 40.800 | 0.0000 | 0.0000 | 88.116 | 0.35846 | 0.00000 | 316523.1 | 147997.2 | 100632.1 | S |
| 40.808 | 0.0000 | 0.0000 | 88.116 | 0.35837 | 0.00000 | 316523.1 | 148008.0 | 100632.1 | S |
| 40.817 | 0.0000 | 0.0000 | 88.115 | 0.35828 | 0.00000 | 316523.1 | 148018.7 | 100632.1 | S |
| 40.825 | 0.0000 | 0.0000 | 88.115 | 0.35819 | 0.00000 | 316523.1 | 148029.5 | 100632.1 | S |
| 40.833 | 0.0000 | 0.0000 | 88.114 | 0.35810 | 0.00000 | 316523.1 | 148040.2 | 100632.1 | S |
| 40.842 | 0.0000 | 0.0000 | 88.114 | 0.35801 | 0.00000 | 316523.1 | 148051.0 | 100632.1 | S |
| 40.850 | 0.0000 | 0.0000 | 88.114 | 0.35791 | 0.00000 | 316523.1 | 148061.7 | 100632.1 | S |
| 40.858 | 0.0000 | 0.0000 | 88.113 | 0.35782 | 0.00000 | 316523.1 | 148072.4 | 100632.1 | S |
| 40.867 | 0.0000 | 0.0000 | 88.113 | 0.35773 | 0.00000 | 316523.1 | 148083.2 | 100632.1 | S |
| 40.875 | 0.0000 | 0.0000 | 88.112 | 0.35764 | 0.00000 | 316523.1 | 148093.9 | 100632.1 | S |
| 40.883 | 0.0000 | 0.0000 | 88.112 | 0.35755 | 0.00000 | 316523.1 | 148104.6 | 100632.1 | S |
| 40.892 | 0.0000 | 0.0000 | 88.111 | 0.35746 | 0.00000 | 316523.1 | 148115.4 | 100632.1 | S |
| 40.900 | 0.0000 | 0.0000 | 88.111 | 0.35736 | 0.00000 | 316523.1 | 148126.1 | 100632.1 | S |
| 40.908 | 0.0000 | 0.0000 | 88.110 | 0.35727 | 0.00000 | 316523.1 | 148136.8 | 100632.1 | S |
| 40.917 | 0.0000 | 0.0000 | 88.110 | 0.35718 | 0.00000 | 316523.1 | 148147.5 | 100632.1 | S |
| 40.925 | 0.0000 | 0.0000 | 88.109 | 0.35709 | 0.00000 | 316523.1 | 148158.2 | 100632.1 | S |
| 40.933 | 0.0000 | 0.0000 | 88.109 | 0.35700 | 0.00000 | 316523.1 | 148168.9 | 100632.1 | S |
| 40.942 | 0.0000 | 0.0000 | 88.108 | 0.35691 | 0.00000 | 316523.1 | 148179.6 | 100632.1 | S |
| 40.950 | 0.0000 | 0.0000 | 88.108 | 0.35682 | 0.00000 | 316523.1 | 148190.4 | 100632.1 | S |
| 40.958 | 0.0000 | 0.0000 | 88.107 | 0.35673 | 0.00000 | 316523.1 | 148201.1 | 100632.1 | S |
| 40.967 | 0.0000 | 0.0000 | 88.107 | 0.35664 | 0.00000 | 316523.1 | 148211.8 | 100632.1 | S |
| 40.975 | 0.0000 | 0.0000 | 88.107 | 0.35654 | 0.00000 | 316523.1 | 148222.5 | 100632.1 | S |
| 40.983 | 0.0000 | 0.0000 | 88.106 | 0.35645 | 0.00000 | 316523.1 | 148233.1 | 100632.1 | S |
| 40.992 | 0.0000 | 0.0000 | 88.106 | 0.35636 | 0.00000 | 316523.1 | 148243.8 | 100632.1 | S |
| 41.000 | 0.0000 | 0.0000 | 88.105 | 0.35627 | 0.00000 | 316523.1 | 148254.5 | 100632.1 | S |
| 41.008 | 0.0000 | 0.0000 | 88.105 | 0.35618 | 0.00000 | 316523.1 | 148265.2 | 100632.1 | S |
| 41.017 | 0.0000 | 0.0000 | 88.104 | 0.35609 | 0.00000 | 316523.1 | 148275.9 | 100632.1 | S |
| 41.025 | 0.0000 | 0.0000 | 88.104 | 0.35600 | 0.00000 | 316523.1 | 148286.6 | 100632.1 | S |
| 41.033 | 0.0000 | 0.0000 | 88.103 | 0.35597 | 0.00000 | 316523.1 | 148297.3 | 100632.1 | S |
| 41.042 | 0.0000 | 0.0000 | 88.103 | 0.35582 | 0.00000 | 316523.1 | 148307.9 | 100632.1 | S |
| 41.050 | 0.0000 | 0.0000 | 88.102 | 0.35573 | 0.00000 | 316523.1 | 148318.6 | 100632.1 | S |
| 41.058 | 0.0000 | 0.0000 | 88.102 | 0.35564 | 0.00000 | 316523.1 | 148329.3 | 100632.1 | S |
| 41.067 | 0.0000 | 0.0000 | 88.101 | 0.35555 | 0.00000 | 316523.1 | 148340.0 | 100632.1 | S |
| 41.075 | 0.0000 | 0.0000 | 88.101 | 0.35546 | 0.00000 | 316523.1 | 148350.6 | 100632.1 | S |
| 41.083 | 0.0000 | 0.0000 | 88.100 | 0.35536 | 0.00000 | 316523.1 | 148361.3 | 100632.1 | S |
| 41.092 | 0.0000 | 0.0000 | 88.100 | 0.35527 | 0.00000 | 316523.1 | 148371.9 | 100632.1 | S |
| 41.100 | 0.0000 | 0.0000 | 88.100 | 0.35518 | 0.00000 | 316523.1 | 148382.6 | 100632.1 | S |
| 41.108 | 0.0000 | 0.0000 | 88.099 | 0.35509 | 0.00000 | 316523.1 | 148393.3 | 100632.1 | S |
| 41.117 | 0.0000 | 0.0000 | 88.099 | 0.35500 | 0.00000 | 316523.1 | 148403.9 | 100632.1 | S |
| 41.125 | 0.0000 | 0.0000 | 88.098 | 0.35491 | 0.00000 | 316523.1 | 148414.5 | 100632.1 | S |
| 41.133 | 0.0000 | 0.0000 | 88.098 | 0.35482 | 0.00000 | 316523.1 | 148425.2 | 100632.1 | S |
| 41.442 | 0.0000 | 0.0000 | 88.097 | 0.35473 | 0.00000 | 316523.1 | 148435.8 | 100632.1 | S |
| 41.150 | 0.0000 | 0.0000 | 88.097 | 0.35464 | 0.00000 | 316523.1 | 148446.5 | 100632.1 | S |
| 41.158 | 0.0000 | 0.0000 | 88.096 | 0.35455 | 0.00000 | 316523.1 | 148457.1 | 100632.1 | S |
| 41.167 | 0.0000 | 0.0000 | 88.096 | 0.35446 | 0.00000 | 316523.1 | 148467.8 | 100632.1 | S |
| 41.175 | 0.0000 | 0.0000 | 88.095 | 0.35437 | 0.00000 | 316523.1 | 148478.4 | 100632.1 | S |
| 41.183 | 0.0000 | 0.0000 | 88.095 | 0.35428 | 0.00000 | 316523.1 | 148489.0 | 100632.1 | S |
| 41.192 | 0.0000 | 0.0000 | 88.094 | 0.35419 | 0.00000 | 316523.1 | 148499.6 | 100632.1 | S |
| 41.200 | 0.0000 | 0.0000 | 88.094 | 0.35410 | 0.00000 | 316523.1 | 148510.3 | 100632.1 | S |
| 41.208 | 0.0000 | 0.0000 | 88.093 | 0.35401 | 0.00000 | 316523.1 | 148520.9 | 100632.1 | S |
| 41.217 | 0.0000 | 0.0000 | 88.093 | 0.35392 | 0.00000 | 316523.1 | 148531.5 | 100632.1 | S |
| 41.225 | 0.0000 | 0.0000 | 88.093 | 0.35383 | 0.00000 | 316523.1 | 148542.1 | 100632.1 | S |
| 41.233 | 0.0000 | 0.0000 | 88.092 | 0.35374 | 0.00000 | 316523.1 | 148552.7 | 100632.1 | S |
| 41.242 | 0.0000 | 0.0000 | 88.092 | 0.35366 | 0.00000 | 316523.1 | 148563.3 | 100632.1 | S |
| 41.250 | 0.0000 | 0.0000 | 88.091 | 0.35357 | 0.00000 | 316523.1 | 148574.0 | 100632.1 | S |
| 41.258 | 0.0000 | 0.0000 | 88.091 | 0.35348 | 0.00000 | 316523.1 | 148584.6 | 100632.1 | S |
| 41.267 | 0.0000 | 0.0000 | 88.090 | 0.35339 | 0.00000 | 316523.1 | 148595.2 | 100632.1 | S |
| 41.275 | 0.0000 | 0.0000 | 88.090 | 0.35330 | 0.00000 | 316523.1 | 148605.8 | 100632.1 | S |
| 41.283 | 0.0000 | 0.0000 | 88.089 | 0.35321 | 0.00000 | 316523.1 | 148616.4 | 100632.1 | S |
| 41.292 | 0.0000 | 0.0000 | 88.089 | 0.35312 | 0.00000 | 316523.1 | 148627.0 | 100632.1 | S |
| 41.300 | 0.0000 | 0.0000 | 88.088 | 0.35303 | 0.00000 | 316523.1 | 148637.5 | 100632.1 | S |
| 41.308 | 0.0000 | 0.0000 | 88.088 | 0.35294 | 0.00000 | 316523.1 | 148648.1 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | $\begin{aligned} & \text { Cumulative } \\ & \text { Inflow } \\ & \text { Volume }\left(\mathrm{ft}^{3}\right) \end{aligned}$ | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 41.317 | 0.0000 | 0.0000 | 88.087 | 0.35285 | 0.00000 | 316523.1 | 148658.7 | 100632.1 | S |
| 41.325 | 0.0000 | 0.0000 | 88.087 | 0.35276 | 0.00000 | 316523.1 | 148669.3 | 100632.1 | S |
| 41.333 | 0.0000 | 0.0000 | 88.087 | 0.35267 | 0.00000 | 316523.1 | 148679.9 | 100632.1 | S |
| 41.342 | 0.0000 | 0.0000 | 88.086 | 0.35258 | 0.00000 | 316523.1 | 148690.5 | 100632.1 | S |
| 41.350 | 0.0000 | 0.0000 | 88.086 | 0.35249 | 0.00000 | 316523.1 | 148701.0 | 100632.1 | S |
| 41.358 | 0.0000 | 0.0000 | 88.085 | 0.35241 | 0.00000 | 316523.1 | 148711.6 | 100632.1 | S |
| 41.367 | 0.0000 | 0.0000 | 88.085 | 0.35232 | 0.00000 | 316523.1 | 148722.2 | 100632.1 | S |
| 41.375 | 0.0000 | 0.0000 | 88.084 | 0.35223 | 0.00000 | 316523.1 | 148732.8 | 100632.1 | S |
| 41.383 | 0.0000 | 0.0000 | 88.084 | 0.35214 | 0.00000 | 316523.1 | 148743.3 | 100632.1 | S |
| 41.392 | 0.0000 | 0.0000 | 88.083 | 0.35205 | 0.00000 | 316523.1 | 148753.9 | 100632.1 | S |
| 41.400 | 0.0000 | 0.0000 | 88.083 | 0.35196 | 0.00000 | 316523.1 | 148764.4 | 100632.1 | S |
| 41.408 | 0.0000 | 0.0000 | 88.082 | 0.35187 | 0.00000 | 316523.1 | 148775.0 | 100632.1 | S |
| 41.417 | 0.0000 | 0.0000 | 88.082 | 0.35178 | 0.00000 | 316523.1 | 148785.6 | 100632.1 | S |
| 41.425 | 0.0000 | 0.0000 | 88.081 | 0.35170 | 0.00000 | 316523.1 | 148796.1 | 100632.1 | S |
| 41.433 | 0.0000 | 0.0000 | 88.081 | 0.35161 | 0.00000 | 316523.1 | 148806.7 | 100632.1 | S |
| 41.442 | 0.0000 | 0.0000 | 88.080 | 0.35152 | 0.00000 | 316523.1 | 148817.2 | 100632.1 | S |
| 41.450 | 0.0000 | 0.0000 | 88.080 | 0.35143 | 0.00000 | 316523.1 | 148827.8 | 100632.1 | S |
| 41.458 | 0.0000 | 0.0000 | 88.080 | 0.35134 | 0.00000 | 316523.1 | 148838.3 | 100632.1 | S |
| 41.467 | 0.0000 | 0.0000 | 88.079 | 0.35125 | 0.00000 | 316523.1 | 148848.8 | 100632.1 | S |
| 41.475 | 0.0000 | 0.0000 | 88.079 | 0.35116 | 0.00000 | 316523.1 | 148859.4 | 100632.1 | S |
| 41.483 | 0.0000 | 0.0000 | 88.078 | 0.35108 | 0.00000 | 316523.1 | 148869.9 | 100632.1 | S |
| 41.492 | 0.0000 | 0.0000 | 88.078 | 0.35099 | 0.00000 | 316523.1 | 148880.4 | 100632.1 | S |
| 41.500 | 0.0000 | 0.0000 | 88.077 | 0.35090 | 0.00000 | 316523.1 | 148891.0 | 100632.1 | S |
| 41.508 | 0.0000 | 0.0000 | 88.077 | 0.35081 | 0.00000 | 316523.1 | 148901.5 | 100632.1 | S |
| 41.517 | 0.0000 | 0.0000 | 88.076 | 0.35072 | 0.00000 | 316523.1 | 148912.0 | 100632.1 | S |
| 41.525 | 0.0000 | 0.0000 | 88.076 | 0.35063 | 0.00000 | 316523.1 | 148922.5 | 100632.1 | S |
| 41.533 | 0.0000 | 0.0000 | 88.075 | 0.35055 | 0.00000 | 316523.1 | 148933.0 | 100632.1 | S |
| 41.542 | 0.0000 | 0.0000 | 88.075 | 0.35046 | 0.00000 | 316523.1 | 148943.6 | 100632.1 | S |
| 41.550 | 0.0000 | 0.0000 | 88.074 | 0.35037 | 0.00000 | 316523.1 | 148954.1 | 100632.1 | S |
| 41.558 | 0.0000 | 0.0000 | 88.074 | 0.35028 | 0.00000 | 316523.1 | 148964.6 | 100632.1 | S |
| 41.567 | 0.0000 | 0.0000 | 88.074 | 0.35019 | 0.00000 | 316523.1 | 148975.1 | 100632.1 | S |
| 41.575 | 0.0000 | 0.0000 | 88.073 | 0.35011 | 0.00000 | 316523.1 | 148985.6 | 100632.1 | S |
| 41.583 | 0.0000 | 0.0000 | 88.073 | 0.35002 | 0.00000 | 316523.1 | 148996.1 | 100632.1 | S |
| 41.592 | 0.0000 | 0.0000 | 88.072 | 0.34993 | 0.00000 | 316523.1 | 149006.6 | 100632.1 | S |
| 41.600 | 0.0000 | 0.0000 | 88.072 | 0.34984 | 0.00000 | 316523.1 | 149017.1 | 100632.1 | S |
| 41.608 | 0.0000 | 0.0000 | 88.071 | 0.34976 | 0.00000 | 316523.1 | 149027.6 | 100632.1 | S |
| 41.617 | 0.0000 | 0.0000 | 88.071 | 0.34967 | 0.00000 | 316523.1 | 149038.1 | 100632.1 | S |
| 41.625 | 0.0000 | 0.0000 | 88.070 | 0.34958 | 0.00000 | 316523.1 | 149048.6 | 100632.1 | S |
| 41.633 | 0.0000 | 0.0000 | 88.070 | 0.34949 | 0.00000 | 316523.1 | 149059.0 | 100632.1 | S |
| 41.642 | 0.0000 | 0.0000 | 88.069 | 0.34941 | 0.00000 | 316523.1 | 149069.5 | 100632.1 | S |
| 41.650 | 0.0000 | 0.0000 | 88.069 | 0.34932 | 0.00000 | 316523.1 | 149080.0 | 100632.1 | S |
| 41.658 | 0.0000 | 0.0000 | 88.069 | 0.34923 | 0.00000 | 316523.1 | 149090.5 | 100632.1 | S |
| 41.667 | 0.0000 | 0.0000 | 88.068 | 0.34914 | 0.00000 | 316523.1 | 149101.0 | 100632.1 | S |
| 41.675 | 0.0000 | 0.0000 | 88.068 | 0.34906 | 0.00000 | 316523.1 | 149111.4 | 100632.1 | S |
| 41.683 | 0.0000 | 0.0000 | 88.067 | 0.34897 | 0.00000 | 316523.1 | 149121.9 | 100632.1 | S |
| 41.692 | 0.0000 | 0.0000 | 88.067 | 0.34888 | 0.00000 | 316523.1 | 149132.4 | 100632.1 | S |
| 41.700 | 0.0000 | 0.0000 | 88.066 | 0.34879 | 0.00000 | 316523.1 | 149142.8 | 100632.1 | S |
| 41.708 | 0.0000 | 0.0000 | 88.066 | 0.34871 | 0.00000 | 316523.1 | 149153.3 | 100632.1 | S |
| 41.717 | 0.0000 | 0.0000 | 88.065 | 0.34862 | 0.00000 | 316523.1 | 149163.8 | 100632.1 | S |
| 41.725 | 0.0000 | 0.0000 | 88.065 | 0.34853 | 0.00000 | 316523.1 | 149174.2 | 100632.1 | S |
| 41.733 | 0.0000 | 0.0000 | 88.064 | 0.34845 | 0.00000 | 316523.1 | 149184.7 | 100632.1 | S |
| 41.742 | 0.0000 | 0.0000 | 88.064 | 0.34836 | 0.00000 | 316523.1 | 149195.1 | 100632.1 | S |
| 41.750 | 0.0000 | 0.0000 | 88.063 | 0.34827 | 0.00000 | 316523.1 | 149205.6 | 100632.1 | S |
| 41.758 | 0.0000 | 0.0000 | 88.063 | 0.34818 | 0.00000 | 316523.1 | 149216.0 | 100632.1 | S |
| 41.767 | 0.0000 | 0.0000 | 88.063 | 0.34810 | 0.00000 | 316523.1 | 149226.5 | 100632.1 | S |
| 41.775 | 0.0000 | 0.0000 | 88.062 | 0.34801 | 0.00000 | 316523.1 | 149236.9 | 100632.1 | S |
| 41.783 | 0.0000 | 0.0000 | 88.062 | 0.34792 | 0.00000 | 316523.1 | 149247.4 | 100632.1 | S |
| 41.792 | 0.0000 | 0.0000 | 88.061 | 0.34784 | 0.00000 | 316523.1 | 149257.8 | 100632.1 | S |
| 41.800 | 0.0000 | 0.0000 | 88.061 | 0.34775 | 0.00000 | 316523.1 | 149268.2 | 100632.1 | S |
| 41.808 | 0.0000 | 0.0000 | 88.060 | 0.34766 | 0.00000 | 316523.1 | 149278.7 | 100632.1 | S |
| 41.817 | 0.0000 | 0.0000 | 88.060 | 0.34758 | 0.00000 | 316523.1 | 149289.1 | 100632.1 | S |
| 41.825 | 0.0000 | 0.0000 | 88.059 | 0.34749 | 0.00000 | 316523.1 | 149299.5 | 100632.1 | S |
| 41.833 | 0.0000 | 0.0000 | 88.059 | 0.34740 | 0.00000 | 316523.1 | 149309.9 | 100632.1 | S |
| 41.842 | 0.0000 | 0.0000 | 88.058 | 0.34732 | 0.00000 | 316523.1 | 149320.4 | 100632.1 | S |
| 41.850 | 0.0000 | 0.0000 | 88.058 | 0.34723 | 0.00000 | 316523.1 | 149330.8 | 100632.1 | S |
| 41.858 | 0.0000 | 0.0000 | 88.058 | 0.34714 | 0.00000 | 316523.1 | 149341.2 | 100632.4 | S |
| 41.867 | 0.0000 | 0.0000 | 88.057 | 0.34706 | 0.00000 | 316523.1 | 149351.6 | 100632.1 | S |
| 41.875 | 0.0000 | 0.0000 | 88.057 | 0.34697 | 0.00000 | 316523.1 | 149362.0 | 100632.1 | S |
| 41.883 | 0.0000 | 0.0000 | 88.056 | 0.34689 | 0.00000 | 316523.1 | 149372.4 | 100632.1 | S |
| 41.892 | 0.0000 | 0.0000 | 88.056 | 0.34680 | 0.00000 | 316523.1 | 149382.8 | 100632.1 | S |
| 41.900 | 0.0000 | 0.0000 | 88.055 | 0.34671 | 0.00000 | 316523.1 | 149393.2 | 100632.1 | S |
| 41.908 | 0.0000 | 0.0000 | 88.055 | 0.34663 | 0.00000 | 316523.1 | 149403.6 | 100632.1 | S |
| 41.917 | 0.0000 | 0.0000 | 88.054 | 0.34654 | 0.00000 | 316523.1 | 149414.0 | 100632.1 | S |
| 41.925 | 0.0000 | 0.0000 | 88.054 | 0.34645 | 0.00000 | 316523.1 | 149424.4 | 100632.1 | S |

# PONDS Version 3.2.0207 <br> Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E. 

Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Vofume ( $\mathrm{ft}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative <br> Discharge <br> Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 41.933 | 0.0000 | 0.0000 | 88.053 | 0.34637 | 0.00000 | 316523.1 | 149434.8 | 100632.7 | S |
| 41.942 | 0.0000 | 0.0000 | 88.053 | 0.34628 | 0.00000 | 316523.1 | 149445.2 | 100632.1 | S |
| 41.950 | 0.0000 | 0.0000 | 88.052 | 0.34620 | 0.00000 | 316523.1 | 149455.6 | 100632.1 | S |
| 41.958 | 0.0000 | 0.0000 | 88.052 | 0.34611 | 0.00000 | 316523.1 | 149466.0 | 100632.1 | S |
| 41.967 | 0.0000 | 0.0000 | 88.052 | 0.34602 | 0.00000 | 316523.1 | 149476.4 | 100632.1 | S |
| 41.975 | 0.0000 | 0.0000 | 88.051 | 0.34594 | 0.00000 | 316523.1 | 149486.7 | 100632.1 | S |
| 41.983 | 0.0000 | 0.0000 | 88.051 | 0.34585 | 0.00000 | 316523.1 | 149497.1 | 100632.1 | S |
| 41.992 | 0.0000 | 0.0000 | 88.050 | 0.34577 | 0.00000 | 316523.1 | 149507.5 | 100632.1 | S |
| 42.000 | 0.0000 | 0.0000 | 88.050 | 0.34568 | 0.00000 | 316523.1 | 149517.9 | 100632.1 | S |
| 42.008 | 0.0000 | 0.0000 | 88.049 | 0.34560 | 0.00000 | 316523.1 | 149528.2 | 100632.1 | S |
| 42.017 | 0.0000 | 0.0000 | 88.049 | 0.34551 | 0.00000 | 316523.1 | 149538.6 | 100632.1 | S |
| 42.025 | 0.0000 | 0.0000 | 88.048 | 0.34542 | 0.00000 | 316523.1 | 149549.0 | 100632.1 | S |
| 42.033 | 0.0000 | 0.0000 | 88.048 | 0.34534 | 0.00000 | 316523.1 | 149559.3 | 100632.1 | S |
| 42.042 | 0.0000 | 0.0000 | 88.047 | 0.34525 | 0.00000 | 316523.1 | 149569.7 | 100632.1 | S |
| 42.050 | 0.0000 | 0.0000 | 88.047 | 0.34517 | 0.00000 | 316523.1 | 149580.0 | 100632.1 | S |
| 42.058 | 0.0000 | 0.0000 | 88.047 | 0.34508 | 0.00000 | 316523.1 | 149590.4 | 100632.1 | S |
| 42.067 | 0.0000 | 0.0000 | 88.046 | 0.34500 | 0.00000 | 316523.1 | 149600.7 | 100632.1 | S |
| 42.075 | 0.0000 | 0.0000 | 88.046 | 0.34491 | 0.00000 | 316523.1 | 149611.1 | 100632.1 | S |
| 42.083 | 0.0000 | 0.0000 | 88.045 | 0.34483 | 0.00000 | 316523.1 | 149621.4 | 100632.1 | S |
| 42.092 | 0.0000 | 0.0000 | 88.045 | 0.34474 | 0.00000 | 316523.1 | 149631.8 | 100632.1 | S |
| 42.100 | 0.0000 | 0.0000 | 88.044 | 0.34466 | 0.00000 | 316523.1 | 149642.1 | 100632.1 | S |
| 42.108 | 0.0000 | 0.0000 | 88.044 | 0.34457 | 0.00000 | 316523.1 | 149652.5 | 100632.1 | S |
| 42.117 | 0.0000 | 0.0000 | 88.043 | 0.34449 | 0.00000 | 316523.1 | 149662.8 | 100632.1 | S |
| 42.125 | 0.0000 | 0.0000 | 88.043 | 0.34440 | 0.00000 | 316523.1 | 149673.1 | 100632.1 | S |
| 42.133 | 0.0000 | 0.0000 | 88.042 | 0.34432 | 0.00000 | 316523.1 | 149683.5 | 100632.1 | S |
| 42.142 | 0.0000 | 0.0000 | 88.042 | 0.34423 | 0.00000 | 316523.1 | 149693.8 | 100632.1 | S |
| 42.150 | 0.0000 | 0.0000 | 88.042 | 0.34415 | 0.00000 | 316523.1 | \$49704.1 | 100632.1 | S |
| 42.158 | 0.0000 | 0.0000 | 88.041 | 0.34406 | 0.00000 | 316523.1 | 149714.4 | 100632.1 | S |
| 42.167 | 0.0000 | 0.0000 | 88.041 | 0.34398 | 0.00000 | 316523.1 | 149724.8 | 100632.1 | S |
| 42.175 | 0.0000 | 0.0000 | 88.040 | 0.34389 | 0.00000 | 316523.1 | 149735.1 | 100632.1 | S |
| 42.183 | 0.0000 | 0.0000 | 88.040 | 0.34381 | 0.00000 | 316523.1 | 149745.4 | 100632.1 | S |
| 42.192 | 0.0000 | 0.0000 | 88.039 | 0.34372 | 0.00000 | 316523.1 | 149755.7 | 100632.1 | S |
| 42.200 | 0.0000 | 0.0000 | 88.039 | 0.34364 | 0.00000 | 316523.1 | 149766.0 | 100632.1 | S |
| 42.208 | 0.0000 | 0.0000 | 88.038 | 0.34355 | 0.00000 | 316523.1 | 149776.3 | 100632.1 | S |
| 42.217 | 0.0000 | 0.0000 | 88.038 | 0.34347 | 0.00000 | 316523.1 | 149786.6 | 100632.1 | S |
| 42.225 | 0.0000 | 0.0000 | 88.037 | 0.34338 | 0.00000 | 316523.1 | 149796.9 | 100632.1 | S |
| 42.233 | 0.0000 | 0.0000 | 88.037 | 0.34330 | 0.00000 | 316523.1 | 149807.2 | 100632.1 | S |
| 42.242 | 0.0000 | 0.0000 | 88.037 | 0.34321 | 0.00000 | 316523.1 | 149817.5 | 100632.1 | S |
| 42.250 | 0.0000 | 0.0000 | 88.036 | 0.34313 | 0.00000 | 316523.1 | 149827.8 | 100632.1 | S |
| 42.258 | 0.0000 | 0.0000 | 88.036 | 0.34304 | 0.00000 | 316523.1 | 149838.1 | 100632.1 | S |
| 42.267 | 0.0000 | 0.0000 | 88.035 | 0.34296 | 0.00000 | 316523.1 | 149848.4 | 100632.4 | S |
| 42.275 | 0.0000 | 0.0000 | 88.035 | 0.34287 | 0.00000 | 316523.1 | 149858.7 | 100632.1 | S |
| 42.283 | 0.0000 | 0.0000 | 88.034 | 0.34279 | 0.00000 | 316523.1 | 149869.0 | 100632.1 | S |
| 42.292 | 0.0000 | 0.0000 | 88.034 | 0.34271 | 0.00000 | 376523.1 | 149879.3 | 100632.1 | S |
| 42.300 | 0.0000 | 0.0000 | 88.033 | 0.34262 | 0.00000 | 316523.1 | 149889.5 | 100632.1 | S |
| 42.308 | 0.0000 | 0.0000 | 88.033 | 0.34254 | 0.00000 | 316523.1 | 149899.8 | 100632.1 | S |
| 42.317 | 0.0000 | 0.0000 | 88.032 | 0.34245 | 0.00000 | 316523.1 | 149910.1 | 100632.1 | S |
| 42.325 | 0.0000 | 0.0000 | 88.032 | 0.34237 | 0.00000 | 316523.1 | 149920.4 | 100632.1 | S |
| 42.333 | 0.0000 | 0.0000 | 88.032 | 0.34228 | 0.00000 | 316523.1 | 149930.6 | 100632.1 | S |
| 42.342 | 0.0000 | 0.0000 | 88.031 | 0.34220 | 0.00000 | 316523.1 | 149940.9 | 100632.1 | S |
| 42.350 | 0.0000 | 0.0000 | 88.031 | 0.34212 | 0.00000 | 316523.1 | 149951.2 | 100632.1 | S |
| 42.358 | 0.0000 | 0.0000 | 88.030 | 0.34203 | 0.00000 | 316523.1 | 149961.4 | 100632.1 | S |
| 42.367 | 0.0000 | 0.0000 | 88.030 | 0.34195 | 0.00000 | 316523.1 | 149971.7 | 100632.1 | S |
| 42.375 | 0.0000 | 0.0000 | 88.029 | 0.34186 | 0.00000 | 316523.1 | 149981.9 | 100632.1 | S |
| 42.383 | 0.0000 | 0.0000 | 88.029 | 0.34178 | 0.00000 | 316523.1 | 149992.2 | 100632.1 | S |
| 42.392 | 0.0000 | 0.0000 | 88.028 | 0.34170 | 0.00000 | 316523.1 | 150002.5 | 100632.1 | S |
| 42.400 | 0.0000 | 0.0000 | 88.028 | 0.34161 | 0.00000 | 316523.1 | 150012.7 | 100632.1 | S |
| 42.408 | 0.0000 | 0.0000 | 88.027 | 0.34153 | 0.00000 | 316523.1 | 150023.0 | 100632.1 | S |
| 42.417 | 0.0000 | 0.0000 | 88.027 | 0.34145 | 0.00000 | 316523.1 | 150033.2 | 100632.1 | S |
| 42.425 | 0.0000 | 0.0000 | 88.027 | 0.34136 | 0.00000 | 316523.1 | 150043.4 | 100632.1 | S |
| 42.433 | 0.0000 | 0.0000 | 88.026 | 0.34128 | 0.00000 | 316523.1 | 150053.7 | 100632.1 | S |
| 42.442 | 0.0000 | 0.0000 | 88.026 | 0.34119 | 0.00000 | 316523.1 | 150063.9 | 100632.1 | S |
| 42.450 | 0.0000 | 0.0000 | 88.025 | 0.34111 | 0.00000 | 316523.1 | 150074.1 | 100632.1 | S |
| 42.458 | 0.0000 | 0.0000 | 88.025 | 0.34103 | 0.00000 | 316523.1 | 150084.4 | 100632.1 | S |
| 42.467 | 0.0000 | 0.0000 | 88.024 | 0.34094 | 0.00000 | 316523.1 | 150094.6 | 100632.1 | S |
| 42.475 | 0.0000 | 0.0000 | 88.024 | 0.34086 | 0.00000 | 316523.1 | 150104.8 | 100632.1 | S |
| 42.483 | 0.0000 | 0.0000 | 88.023 | 0.34078 | 0.00000 | 316523.1 | 150115.1 | 100632.1 | S |
| 42.492 | 0.0000 | 0.0000 | 88.023 | 0.34069 | 0.00000 | 316523.1 | 150125.3 | 100632.1 | S |
| 42.500 | 0.0000 | 0.0000 | 88.022 | 0.34061 | 0.00000 | 316523.1 | 150135.5 | 100632.1 | S |
| 42.508 | 0.0000 | 0.0000 | 88.022 | 0.34053 | 0.00000 | 316523.1 | 150145.7 | 100632.4 | S |
| 42.517 | 0.0000 | 0.0000 | 88.022 | 0.34044 | 0.00000 | 316523.1 | 150155.9 | 100632.1 | S |
| 42.525 | 0.0000 | 0.0000 | 88.021 | 0.34036 | 0.00000 | 316523.1 | 150166.1 | 100632.1 | S |
| 42.533 | 0.0000 | 0.0000 | 88.021 | 0.34028 | 0.00000 | 316523.1 | 150176.4 | 100632.1 | S |
| 42.542 | 0.0000 | 0.0000 | 88.020 | 0.34019 | 0.00000 | 316523.1 | 150186.6 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate (ft/s) | Overfiow Discharge ( $\mathrm{H}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 42.550 | 0.0000 | 0.0000 | 88.020 | 0.34011 | 0.00000 | 316523.1 | 150196.8 | 100632.1 | S |
| 42.558 | 0.0000 | 0.0000 | 88.019 | 0.34003 | 0.00000 | 316523.1 | 150207.0 | 100632.1 | S |
| 42.567 | 0.0000 | 0.0000 | 88.019 | 0.33995 | 0.00000 | 316523.1 | 150217.2 | 100632.1 | S |
| 42.575 | 0.0000 | 0.0000 | 88.018 | 0.33986 | 0.00000 | 316523.1 | 150227.4 | 100632.1 | S |
| 42.583 | 0.0000 | 0.0000 | 88.018 | 0.33978 | 0.00000 | 316523.1 | 150237.6 | 100632.1 | S |
| 42.592 | 0.0000 | 0.0000 | 88.018 | 0.33970 | 0.00000 | 316523.1 | 150247.8 | 100632.1 | S |
| 42.600 | 0.0000 | 0.0000 | 88.017 | 0.33961 | 0.00000 | 316523.1 | 150257.9 | 100632.1 | S |
| 42.608 | 0.0000 | 0.0000 | 88.017 | 0.33953 | 0.00000 | 316523.1 | 150268.8 | 100632.1 | S |
| 42.617 | 0.0000 | 0.0000 | 88.016 | 0.33945 | 0.00000 | 316523.1 | 150278.3 | 100632.1 | S |
| 42.625 | 0.0000 | 0.0000 | 88.016 | 0.33937 | 0.00000 | 316523.1 | 150288.5 | 100632.1 | S |
| 42.633 | 0.0000 | 0.0000 | 88.015 | 0.33928 | 0.00000 | 316523.1 | 150298.7 | 100632.1 | S |
| 42.642 | 0.0000 | 0.0000 | 88.015 | 0.33920 | 0.00000 | 316523.1 | 150308.9 | 100632.1 | S |
| 42.650 | 0.0000 | 0.0000 | 88.014 | 0.33912 | 0.00000 | 316523.1 | 150319.0 | 100632.1 | S |
| 42.658 | 0.0000 | 0.0000 | 88.014 | 0.33903 | 0.00000 | 316523.1 | 150329.2 | 100632.1 | S |
| 42.667 | 0.0000 | 0.0000 | 88.013 | 0.33895 | 0.00000 | 316523.1 | 150339.4 | 100632.1 | S |
| 42.675 | 0.0000 | 0.0000 | 88.013 | 0.33887 | 0.00000 | 316523.1 | 150349.5 | 100632.1 | S |
| 42.683 | 0.0000 | 0.0000 | 88.013 | 0.33879 | 0.00000 | 316523.1 | 150359.7 | 100632.1 | S |
| 42.692 | 0.0000 | 0.0000 | 88.012 | 0.33870 | 0.00000 | 316523.1 | 150369.9 | 100632.1 | S |
| 42.700 | 0.0000 | 0.0000 | 88.012 | 0.33862 | 0.00000 | 316523.1 | 150380.0 | 100632.1 | S |
| 42.708 | 0.0000 | 0.0000 | 88.011 | 0.33854 | 0.00000 | 316523.1 | 150390.2 | 100632.8 | S |
| 42.717 | 0.0000 | 0.0000 | 88.011 | 0.33846 | 0.00000 | 316523.1 | 150400.3 | 100632.1 | S |
| 42.725 | 0.0000 | 0.0000 | 88.010 | 0.33838 | 0.00000 | 316523.1 | 150410.5 | 100632.1 | S |
| 42.733 | 0.0000 | 0.0000 | 88.010 | 0.33829 | 0.00000 | 316523.1 | 150420.6 | 100632.1 | S |
| 42.742 | 0.0000 | 0.0000 | 88.009 | 0.33821 | 0.00000 | 316523.1 | 150430.8 | 100632.1 | S |
| 42.750 | 0.0000 | 0.0000 | 88.009 | 0.33813 | 0.00000 | 316523.1 | 150440.9 | 100632.1 | S |
| 42.758 | 0.0000 | 0.0000 | 88.009 | 0.33805 | 0.00000 | 316523.1 | 150451.1 | 100632.1 | S |
| 42.767 | 0.0000 | 0.0000 | 88.008 | 0.33796 | 0.00000 | 316523.1 | 150461.2 | 100632.1 | S |
| 42.775 | 0.0000 | 0.0000 | 88.008 | 0.33788 | 0.00000 | 316523.1 | 150471.3 | 100632.1 | S |
| 42.783 | 0.0000 | 0.0000 | 88.007 | 0.33780 | 0.00000 | 316523.1 | 150481.5 | 100632.1 | S |
| 42.792 | 0.0000 | 0.0000 | 88.007 | 0.33772 | 0.00000 | 316523.1 | 150491.6 | 100632.1 | S |
| 42.800 | 0.0000 | 0.0000 | 88.006 | 0.33764 | 0.00000 | 316523.1 | 150501.8 | 100632.1 | S |
| 42.808 | 0.0000 | 0.0000 | 88.006 | 0.33755 | 0.00000 | 316523.1 | 150511.9 | 100632.1 | S |
| 42.817 | 0.0000 | 0.0000 | 88.005 | 0.33747 | 0.00000 | 376523.1 | 150522.0 | 100632.1 | S |
| 42.825 | 0.0000 | 0.0000 | 88.005 | 0.33739 | 0.00000 | 316523.1 | 150532.1 | 100632.1 | S |
| 42.833 | 0.0000 | 0.0000 | 88.005 | 0.33731 | 0.00000 | 316523.1 | 150542.3 | 100632.1 | S |
| 42.842 | 0.0000 | 0.0000 | 88.004 | 0.33723 | 0.00000 | 316523.1 | 150552.4 | 100632.1 | S |
| 42.850 | 0.0000 | 0.0000 | 88.004 | 0.33715 | 0.00000 | 316523.1 | 150562.5 | 100632.1 | S |
| 42.858 | 0.0000 | 0.0000 | 88.003 | 0.33706 | 0.00000 | 316523.1 | 150572.6 | 100632.1 | S |
| 42.867 | 0.0000 | 0.0000 | 88.003 | 0.33698 | 0.00000 | 316523.1 | 150582.7 | 100632.1 | S |
| 42.875 | 0.0000 | 0.0000 | 88.002 | 0.33690 | 0.00000 | 316523.1 | 150592.8 | 100632.1 | S |
| 42.883 | 0.0000 | 0.0000 | 88.002 | 0.33682 | 0.00000 | 316523.1 | 150602.9 | 100632.1 | S |
| 42.892 | 0.0000 | 0.0000 | 88.001 | 0.33674 | 0.00000 | 316523.1 | 150613.0 | 100632.1 | S |
| 42.900 | 0.0000 | 0.0000 | 88.001 | 0.33666 | 0.00000 | 316523.1 | 150623.1 | 100632.1 | S |
| 42.908 | 0.0000 | 0.0000 | 88.000 | 0.33657 | 0.00000 | 316523.1 | 150633.2 | 100632.1 | S |
| 42.917 | 0.0000 | 0.0000 | 88.000 | 0.33649 | 0.00000 | 316523.1 | 150643.3 | 100632.1 | S |
| 42.925 | 0.0000 | 0.0000 | 88.000 | 0.33641 | 0.00000 | 316523.1 | 150653.4 | 100632.1 | S |
| 42.933 | 0.0000 | 0.0000 | 87.999 | 0.33633 | 0.00000 | 316523.1 | 150663.5 | 100632.1 | S |
| 42.942 | 0.0000 | 0.0000 | 87.999 | 0.33625 | 0.00000 | 316523.1 | 150673.6 | 100632.1 | S |
| 42.950 | 0.0000 | 0.0000 | 87.998 | 0.33617 | 0.00000 | 316523.1 | 150683.7 | 100632.1 | S |
| 42.958 | 0.0000 | 0.0000 | 87.998 | 0.33609 | 0.00000 | 316523.1 | 150693.8 | 100632.1 | S |
| 42.967 | 0.0000 | 0.0000 | 87.997 | 0.33600 | 0.00000 | 316523.1 | 150703.8 | 100632.1 | S |
| 42.975 | 0.0000 | 0.0000 | 87.997 | 0.33592 | 0.00000 | 316523.1 | 150713.9 | 100632.1 | S |
| 42.983 | 0.0000 | 0.0000 | 87.996 | 0.33584 | 0.00000 | 316523.1 | 150724.0 | 100632.1 | S |
| 42.992 | 0.0000 | 0.0000 | 87.996 | 0.33576 | 0.00000 | 316523.1 | 150734.1 | 100632.1 | S |
| 43.000 | 0.0000 | 0.0000 | 87.996 | 0.33568 | 0.00000 | 316523.1 | 150744.1 | 100632.1 | S |
| 43.008 | 0.0000 | 0.0000 | 87.995 | 0.33560 | 0.00000 | 316523.1 | 150754.2 | 100632.1 | S |
| 43.017 | 0.0000 | 0.0000 | 87.995 | 0.33552 | 0.00000 | 316523.1 | 150764.3 | 100632.1 | S |
| 43.025 | 0.0000 | 0.0000 | 87.994 | 0.33544 | 0.00000 | 316523.1 | 150774.3 | 100632.1 | S |
| 43.033 | 0.0000 | 0.0000 | 87.994 | 0.33536 | 0.00000 | 316523.1 | 150784.4 | 100632.1 | S |
| 43.042 | 0.0000 | 0.0000 | 87.993 | 0.33528 | 0.00000 | 316523.1 | 150794.5 | 100632.1 | S |
| 43.050 | 0.0000 | 0.0000 | 87.993 | 0.33520 | 0.00000 | 316523.1 | 150804.5 | 100632.1 | S |
| 43.058 | 0.0000 | 0.0000 | 87.992 | 0.33511 | 0.00000 | 316523.1 | 150814.6 | 100632.1 | S |
| 43.067 | 0.0000 | 0.0000 | 87.992 | 0.33503 | 0.00000 | 316523.1 | 150824.6 | 100632.1 | S |
| 43.075 | 0.0000 | 0.0000 | 87.992 | 0.33495 | 0.00000 | 316523.1 | 150834.7 | 100632.1 | S |
| 43.083 | 0.0000 | 0.0000 | 87.991 | 0.33487 | 0.00000 | 316523.1 | 150844.7 | 100632.1 | S |
| 43.092 | 0.0000 | 0.0000 | 87.991 | 0.33479 | 0.00000 | 316523.1 | 150854.8 | 100632.1 | S |
| 43.100 | 0.0000 | 0.0000 | 87.990 | 0.33471 | 0.00000 | 316523.1 | 150864.8 | 100632.1 | S |
| 43.108 | 0.0000 | 0.0000 | 87.990 | 0.33463 | 0.00000 | 316523.1 | 150874.9 | 100632.1 | S |
| 43.117 | 0.0000 | 0.0000 | 87.989 | 0.33455 | 0.00000 | 316523.1 | 150884.9 | 100632.1 | S |
| 43.125 | 0.0000 | 0.0000 | 87.989 | 0.33447 | 0.00000 | 316523.1 | 150894.9 | 100632.1 | S |
| 43.133 | 0.0000 | 0.0000 | 87.988 | 0.33439 | 0.00000 | 316523.1 | 150905.0 | 100632.1 | S |
| 43.142 | 0.0000 | 0.0000 | 87.988 | 0.33431 | 0.00000 | 316523.1 | 150915.0 | 100632.1 | S |
| 43.150 | 0.0000 | 0.0000 | 87.988 | 0.33423 | 0.00000 | 316523.1 | 150925.0 | 100632.1 | S |
| 43.158 | 0.0000 | 0.0000 | 87.987 | 0.33415 | 0.00000 | 316523.1 | 150935.0 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 43.167 | 0.0000 | 0.0000 | 87.987 | 0.33407 | 0.00000 | 316523.1 | 150945.1 | 100632.1 | S |
| 43.175 | 0.0000 | 0.0000 | 87.986 | 0.33399 | 0.00000 | 316523.1 | 150955.1 | 100632.1 | S |
| 43.183 | 0.0000 | 0.0000 | 87.986 | 0.33391 | 0.00000 | 316523.1 | 150965.1 | 100632.1 | S |
| 43.192 | 0.0000 | 0.0000 | 87.985 | 0.33383 | 0.00000 | 316523.1 | 150975.1 | 100632.1 | S |
| 43.200 | 0.0000 | 0.0000 | 87.985 | 0.33375 | 0.00000 | 316523.1 | 150985.1 | 100632.1 | S |
| 43.208 | 0.0000 | 0.0000 | 87.984 | 0.33367 | 0.00000 | 316523.1 | 150995.1 | 100632.1 | S |
| 43.217 | 0.0000 | 0.0000 | 87.984 | 0.33359 | 0.00000 | 316523.1 | 151005.2 | 100632.1 | S |
| 43.225 | 0.0000 | 0.0000 | 87.984 | 0.33351 | 0.00000 | 316523.1 | 151015.2 | 100632.1 | S |
| 43.233 | 0.0000 | 0.0000 | 87.983 | 0.33343 | 0.00000 | 316523.1 | 151025.2 | 100632.1 | S |
| 43.242 | 0.0000 | 0.0000 | 87.983 | 0.33335 | 0.00000 | 316523.1 | 151035.2 | 100632.1 | S |
| 43.250 | 0.0000 | 0.0000 | 87.982 | 0.33327 | 0.00000 | 316523.1 | 151045.2 | 100632.1 | S |
| 43.258 | 0.0000 | 0.0000 | 87.982 | 0.33319 | 0.00000 | 316523.1 | 151055.2 | 100632.1 | S |
| 43.267 | 0.0000 | 0.0000 | 87.981 | 0.33311 | 0.00000 | 316523.1 | 151065.2 | 100632.1 | S |
| 43.275 | 0.0000 | 0.0000 | 87.981 | 0.33303 | 0.00000 | 316523.1 | 151075.2 | 100632.1 | S |
| 43.283 | 0.0000 | 0.0000 | 87.980 | 0.33295 | 0.00000 | 316523.1 | 151085.1 | 100632.1 | S |
| 43.292 | 0.0000 | 0.0000 | 87.980 | 0.33287 | 0.00000 | 316523.1 | 151095.1 | 100632.1 | S |
| 43.300 | 0.0000 | 0.0000 | 87.980 | 0.33279 | 0.00000 | 316523.1 | 151105.1 | 100632.1 | S |
| 43.308 | 0.0000 | 0.0000 | 87.979 | 0.33271 | 0.00000 | 316523.1 | 151115.1 | 100632.1 | S |
| 43.317 | 0.0000 | 0.0000 | 87.979 | 0.33263 | 0.00000 | 316523.1 | 151125.1 | 100632.1 | S |
| 43.325 | 0.0000 | 0.0000 | 87.978 | 0.33255 | 0.00000 | 316523.1 | 151135.0 | 100632.1 | S |
| 43.333 | 0.0000 | 0.0000 | 87.978 | 0.33247 | 0.00000 | 316523.1 | 151145.0 | 100632.1 | S |
| 43.342 | 0.0000 | 0.0000 | 87.977 | 0.33239 | 0.00000 | 316523.1 | 151155.0 | 100632.1 | S |
| 43.350 | 0.0000 | 0.0000 | 87.977 | 0.33231 | 0.00000 | 316523.1 | 151165.0 | 100632.1 | S |
| 43.358 | 0.0000 | 0.0000 | 87.976 | 0.33223 | 0.00000 | 316523.1 | 151174.9 | 100632.1 | S |
| 43.367 | 0.0000 | 0.0000 | 87.976 | 0.33215 | 0.00000 | 316523.1 | 151184.9 | 100632.1 | S |
| 43.375 | 0.0000 | 0.0000 | 87.976 | 0.33207 | 0.00000 | 316523.1 | 151194.9 | 100632.1 | S |
| 43.383 | 0.0000 | 0.0000 | 87.975 | 0.33199 | 0.00000 | 316523.1 | 151204.8 | 100632.1 | S |
| 43.392 | 0.0000 | 0.0000 | 87.975 | 0.33191 | 0.00000 | 316523.1 | 151214.8 | 100632.1 | S |
| 43.400 | 0.0000 | 0.0000 | 87.974 | 0.33183 | 0.00000 | 316523.1 | 151224.8 | 100632.1 | S |
| 43.408 | 0.0000 | 0.0000 | 87.974 | 0.33175 | 0.00000 | 316523.1 | 151234.7 | 100632.1 | S |
| 43.417 | 0.0000 | 0.0000 | 87.973 | 0.33168 | 0.00000 | 316523.1 | 151244.6 | 100632.1 | S |
| 43.425 | 0.0000 | 0.0000 | 87.973 | 0.33160 | 0.00000 | 316523.1 | 151254.6 | 100632.1 | S |
| 43.433 | 0.0000 | 0.0000 | 87.972 | 0.33152 | 0.00000 | 316523.1 | 151264.5 | 100632.1 | S |
| 43.442 | 0.0000 | 0.0000 | 87.972 | 0.33144 | 0.00000 | 316523.1 | 151274.5 | 100632.1 | S |
| 43.450 | 0.0000 | 0.0000 | 87.972 | 0.33136 | 0.00000 | 316523.1 | 151284.4 | 100632.4 | S |
| 43.458 | 0.0000 | 0.0000 | 87.971 | 0.33128 | 0.00000 | 316523.1 | 151294.4 | 100632.1 | S |
| 43.467 | 0.0000 | 0.0000 | 87.971 | 0.33120 | 0.00000 | 316523.1 | 151304.3 | 100632.1 | S |
| 43.475 | 0.0000 | 0.0000 | 87.970 | 0.33112 | 0.00000 | 316523.1 | 151314.2 | 100632.1 | S |
| 43.483 | 0.0000 | 0.0000 | 87.970 | 0.33104 | 0.00000 | 316523.1 | 151324.2 | 100632.1 | S |
| 43.492 | 0.0000 | 0.0000 | 87.969 | 0.33096 | 0.00000 | 316523.1 | 151334.1 | 100632.1 | S |
| 43.500 | 0.0000 | 0.0000 | 87.969 | 0.33089 | 0.00000 | 316523.1 | 151344.0 | 100632.1 | S |
| 43.508 | 0.0000 | 0.0000 | 87.968 | 0.33081 | 0.00000 | 316523.1 | 151354.0 | 100632.1 | S |
| 43.517 | 0.0000 | 0.0000 | 87.968 | 0.33073 | 0.00000 | 316523.1 | 151363.9 | 100632.1 | S |
| 43.525 | 0.0000 | 0.0000 | 87.968 | 0.33065 | 0.00000 | 316523.1 | 151373.8 | 100632.1 | S |
| 43.533 | 0.0000 | 0.0000 | 87.967 | 0.33057 | 0.00000 | 316523.1 | 151383.7 | 100632.1 | S |
| 43.542 | 0.0000 | 0.0000 | 87.967 | 0.33049 | 0.00000 | 316523.1 | 151393.6 | 100632.1 | S |
| 43.550 | 0.0000 | 0.0000 | 87.966 | 0.33041 | 0.00000 | 316523.1 | 151403.5 | 100632.1 | S |
| 43.558 | 0.0000 | 0.0000 | 87.966 | 0.33033 | 0.00000 | 316523.1 | 151413.5 | 100632.1 | S |
| 43.567 | 0.0000 | 0.0000 | 87.965 | 0.33026 | 0.00000 | 316523.1 | 151423.4 | 100632.1 | S |
| 43.575 | 0.0000 | 0.0000 | 87.965 | 0.33018 | 0.00000 | 316523.1 | 151433.3 | 100632.1 | S |
| 43.583 | 0.0000 | 0.0000 | 87.965 | 0.33010 | 0.00000 | 316523.1 | 151443.2 | 100632.1 | S |
| 43.592 | 0.0000 | 0.0000 | 87.964 | 0.33002 | 0.00000 | 316523.1 | 151453.1 | 100632.1 | S |
| 43.600 | 0.0000 | 0.0000 | 87.964 | 0.32994 | 0.00000 | 316523.1 | 151463.0 | 100632.1 | S |
| 43.608 | 0.0000 | 0.0000 | 87.963 | 0.32986 | 0.00000 | 316523.1 | 151472.9 | 100632.1 | S |
| 43.617 | 0.0000 | 0.0000 | 87.963 | 0.32979 | 0.00000 | 316523.1 | 151482.8 | 100632.1 | S |
| 43.625 | 0.0000 | 0.0000 | 87.962 | 0.32971 | 0.00000 | 316523.1 | 151492.7 | 100632.1 | S |
| 43.633 | 0.0000 | 0.0000 | 87.962 | 0.32963 | 0.00000 | 316523.1 | 151502.6 | 100632.1 | S |
| 43.642 | 0.0000 | 0.0000 | 87.961 | 0.32955 | 0.00000 | 316523.1 | 151512.4 | 100632.1 | S |
| 43.650 | 0.0000 | 0.0000 | 87.961 | 0.32947 | 0.00000 | 316523.1 | 151522.3 | 100632.1 | S |
| 43.658 | 0.0000 | 0.0000 | 87.961 | 0.32939 | 0.00000 | 316523.1 | 151532.2 | 100632.1 | S |
| 43.667 | 0.0000 | 0.0000 | 87.960 | 0.32932 | 0.00000 | 316523.1 | 151542.1 | 100632.1 | S |
| 43.675 | 0.0000 | 0.0000 | 87.960 | 0.32924 | 0.00000 | 316523.1 | 151552.0 | 100632.1 | S |
| 43.683 | 0.0000 | 0.0000 | 87.959 | 0.32916 | 0.00000 | 316523.1 | 151561.8 | 100632.1 | S |
| 43.692 | 0.0000 | 0.0000 | 87.959 | 0.32908 | 0.00000 | 316523.1 | 151571.7 | 100632.1 | S |
| 43.700 | 0.0000 | 0.0000 | 87.958 | 0.32900 | 0.00000 | 316523.1 | 151581.6 | 100632.1 | S |
| 43.708 | 0.0000 | 0.0000 | 87.958 | 0.32893 | 0.00000 | 316523.1 | 151591.5 | 100632.1 | S |
| 43.717 | 0.0000 | 0.0000 | 87.957 | 0.32885 | 0.00000 | 316523.1 | 151601.3 | 100632.1 | S |
| 43.725 | 0.0000 | 0.0000 | 87.957 | 0.32877 | 0.00000 | 316523.1 | 151611.2 | 100632.1 | S |
| 43.733 | 0.0000 | 0.0000 | 87.957 | 0.32869 | 0.00000 | 316523.1 | 151621.0 | 100632.1 | S |
| 43.742 | 0.0000 | 0.0000 | 87.956 | 0.32861 | 0.00000 | 316523.1 | 151630.9 | 100632.1 | S |
| 43.750 | 0.0000 | 0.0000 | 87.956 | 0.32854 | 0.00000 | 316523.1 | 151640.8 | 100632.1 | S |
| 43.758 | 0.0000 | 0.0000 | 87.955 | 0.32846 | 0.00000 | 316523.1 | 151650.6 | 100632.1 | S |
| 43.767 | 0.0000 | 0.0000 | 87.955 | 0.32838 | 0.00000 | 316523.1 | 151660.5 | 100632.1 | S |
| 43.775 | 0.0000 | 0.0000 | 87.954 | 0.32830 | 0.00000 | 316523.1 | 151670.3 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (fU/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overfiow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 43.783 | 0.0000 | 0.0000 | 87.954 | 0.32823 | 0.00000 | 316523.1 | 151680.2 | 100632.1 | S |
| 43.792 | 0.0000 | 0.0000 | 87.954 | 0.32815 | 0.00000 | 316523.1 | 151690.0 | 100632.1 | S |
| 43.800 | 0.0000 | 0.0000 | 87.953 | 0.32807 | 0.00000 | 316523.1 | 151699.9 | 100632.1 | S |
| 43.808 | 0.0000 | 0.0000 | 87.953 | 0.32799 | 0.00000 | 316523.1 | 151709.7 | 100632.1 | S |
| 43.817 | 0.0000 | 0.0000 | 87.952 | 0.32792 | 0.00000 | 316523.1 | 151719.5 | 100632.1 | S |
| 43.825 | 0.0000 | 0.0000 | 87.952 | 0.32784 | 0.00000 | 316523.1 | 151729.4 | 100632.1 | S |
| 43.833 | 0.0000 | 0.0000 | 87.951 | 0.32776 | 0.00000 | 316523.1 | 151739.2 | 100632.1 | S |
| 43.842 | 0.0000 | 0.0000 | 87.951 | 0.32768 | 0.00000 | 316523.1 | 151749.0 | 100632.1 | S |
| 43.850 | 0.0000 | 0.0000 | 87.950 | 0.32761 | 0.00000 | 316523.1 | 151758.9 | 100632.1 | S |
| 43.858 | 0.0000 | 0.0000 | 87.950 | 0.32753 | 0.00000 | 316523.1 | 151768.7 | 100632.1 | S |
| 43.867 | 0.0000 | 0.0000 | 87.950 | 0.32745 | 0.00000 | 316523.7 | 151778.5 | 100632.1 | S |
| 43.875 | 0.0000 | 0.0000 | 87.949 | 0.32737 | 0.00000 | 316523.1 | 151788.3 | 100632.1 | S |
| 43.883 | 0.0000 | 0.0000 | 87.949 | 0.32730 | 0.00000 | 316523.1 | 151798.2 | 100632.1 | S |
| 43.892 | 0.0000 | 0.0000 | 87.948 | 0.32722 | 0.00000 | 316523.1 | 151808.0 | 100632.1 | S |
| 43.900 | 0.0000 | 0.0000 | 87.948 | 0.32714 | 0.00000 | 316523.1 | 151817.8 | 100632.1 | S |
| 43.908 | 0.0000 | 0.0000 | 87.947 | 0.32707 | 0.00000 | 316523.1 | 151827.6 | 100632.1 | S |
| 43.917 | 0.0000 | 0.0000 | 87.947 | 0.32699 | 0.00000 | 316523.1 | 151837.4 | 100632.1 | S |
| 43.925 | 0.0000 | 0.0000 | 87.946 | 0.32691 | 0.00000 | 316523.1 | 151847.2 | 100632.1 | S |
| 43.933 | 0.0000 | 0.0000 | 87.946 | 0.32683 | 0.00000 | 316523.1 | 151857.0 | 100632.1 | S |
| 43.942 | 0.0000 | 0.0000 | 87.946 | 0.32676 | 0.00000 | 316523.1 | 151866.8 | 100632.1 | S |
| 43.950 | 0.0000 | 0.0000 | 87.945 | 0.32668 | 0.00000 | 316523.1 | 151876.6 | 100632.1 | S |
| 43.958 | 0.0000 | 0.0000 | 87.945 | 0.32660 | 0.00000 | 316523.1 | 151886.5 | 100632.1 | S |
| 43.967 | 0.0000 | 0.0000 | 87.944 | 0.32653 | 0.00000 | 316523.1 | 151896.3 | 100632.1 | S |
| 43.975 | 0.0000 | 0.0000 | 87.944 | 0.32645 | 0.00000 | 316523.1 | 151906.0 | 100632.1 | S |
| 43.983 | 0.0000 | 0.0000 | 87.943 | 0.32637 | 0.00000 | 316523.1 | 151915.8 | 100632.1 | S |
| 43.992 | 0.0000 | 0.0000 | 87.943 | 0.32630 | 0.00000 | 316523.1 | 151925.6 | 100632.1 | S |
| 44.000 | 0.0000 | 0.0000 | 87.943 | 0.32622 | 0.00000 | 316523.1 | 151935.4 | 100632.1 | S |
| 44.008 | 0.0000 | 0.0000 | 87.942 | 0.32614 | 0.00000 | 316523.1 | 151945.2 | 100632.1 | S |
| 44.017 | 0.0000 | 0.0000 | 87.942 | 0.32607 | 0.00000 | 316523.1 | 151955.0 | 100632.1 | S |
| 44.025 | 0.0000 | 0.0000 | 87.941 | 0.32599 | 0.00000 | 316523.1 | 151964.8 | 100632.1 | S |
| 44.033 | 0.0000 | 0.0000 | 87.941 | 0.32591 | 0.00000 | 316523.1 | 151974.5 | 100632.1 | S |
| 44.042 | 0.0000 | 0.0000 | 87.940 | 0.32584 | 0.00000 | 316523.1 | 151984.3 | 100632.1 | S |
| 44.050 | 0.0000 | 0.0000 | 87.940 | 0.32576 | 0.00000 | 316523.1 | 151994.1 | 100632.1 | S |
| 44.058 | 0.0000 | 0.0000 | 87.939 | 0.32568 | 0.00000 | 316523.1 | 152003.9 | 100632.1 | S |
| 44.067 | 0.0000 | 0.0000 | 87.939 | 0.32561 | 0.00000 | 316523.1 | 152013.6 | 100632.1 | S |
| 44.075 | 0.0000 | 0.0000 | 87.939 | 0.32553 | 0.00000 | 316523.1 | 152023.4 | 100632.1 | S |
| 44.083 | 0.0000 | 0.0000 | 87.938 | 0.32545 | 0.00000 | 316523.1 | 152033.2 | 100632.1 | S |
| 44.092 | 0.0000 | 0.0000 | 87.938 | 0.32538 | 0.00000 | 316523.1 | 152042.9 | 100632.1 | S |
| 44.100 | 0.0000 | 0.0000 | 87.937 | 0.32530 | 0.00000 | 316523.1 | 152052.7 | 100632.1 | S |
| 44.108 | 0.0000 | 0.0000 | 87.937 | 0.32523 | 0.00000 | 316523.1 | 152062.4 | 100632.1 | S |
| 44.117 | 0.0000 | 0.0000 | 87.936 | 0.32515 | 0.00000 | 316523.1 | 152072.2 | 100632.1 | S |
| 44.125 | 0.0000 | 0.0000 | 87.936 | 0.32507 | 0.00000 | 316523.1 | 152082.0 | 100632.1 | S |
| 44.133 | 0.0000 | 0.0000 | 87.936 | 0.32500 | 0.00000 | 316523.1 | 152091.7 | 100632.1 | S |
| 44.142 | 0.0000 | 0.0000 | 87.935 | 0.32492 | 0.00000 | 316523.1 | 152101.5 | 100632.1 | S |
| 44.150 | 0.0000 | 0.0000 | 87.935 | 0.32484 | 0.00000 | 316523.1 | 152111.2 | 100632.1 | S |
| 44.158 | 0.0000 | 0.0000 | 87.934 | 0.32477 | 0.00000 | 316523.1 | 152120.9 | 100632.1 | S |
| 44.167 | 0.0000 | 0.0000 | 87.934 | 0.32469 | 0.00000 | 316523.1 | 152130.7 | 100632.1 | S |
| 44.175 | 0.0000 | 0.0000 | 87.933 | 0.32462 | 0.00000 | 316523.1 | 152140.4 | 100632.1 | S |
| 44.183 | 0.0000 | 0.0000 | 87.933 | 0.32454 | 0.00000 | 316523.1 | 752150.2 | 100632.1 | S |
| 44.192 | 0.0000 | 0.0000 | 87.933 | 0.32446 | 0.00000 | 316523.1 | 152159.9 | 100632.1 | S |
| 44.200 | 0.0000 | 0.0000 | 87.932 | 0.32439 | 0.00000 | 316523.1 | 152169.6 | 100632.1 | S |
| 44.208 | 0.0000 | 0.0000 | 87.932 | 0.32431 | 0.00000 | 316523.1 | 152179.4 | 100632.1 | S |
| 44.217 | 0.0000 | 0.0000 | 87.931 | 0.32424 | 0.00000 | 316523.1 | 152189.1 | 100632.1 | S |
| 44.225 | 0.0000 | 0.0000 | 87.931 | 0.32416 | 0.00000 | 316523.1 | 152198.8 | 100632.1 | S |
| 44.233 | 0.0000 | 0.0000 | 87.930 | 0.32409 | 0.00000 | 316523.1 | 152208.5 | 100632.1 | S |
| 44.242 | 0.0000 | 0.0000 | 87.930 | 0.32401 | 0.00000 | 316523.1 | 152218.3 | 100632.1 | S |
| 44.250 | 0.0000 | 0.0000 | 87.929 | 0.32393 | 0.00000 | 316523.1 | 152228.0 | 100632.1 | S |
| 44.258 | 0.0000 | 0.0000 | 87.929 | 0.32386 | 0.00000 | 316523.1 | 152237.7 | 100632.1 | S |
| 44.267 | 0.0000 | 0.0000 | 87.929 | 0.32378 | 0.00000 | 316523.1 | 152247.4 | 100632.1 | S |
| 44.275 | 0.0000 | 0.0000 | 87.928 | 0.32371 | 0.00000 | 316523.1 | 152257.1 | 100632.1 | S |
| 44.283 | 0.0000 | 0.0000 | 87.928 | 0.32363 | 0.00000 | 316523.1 | 152266.8 | 100632.1 | S |
| 44.292 | 0.0000 | 0.0000 | 87.927 | 0.32356 | 0.00000 | 316523.1 | 152276.5 | 100632.1 | S |
| 44.300 | 0.0000 | 0.0000 | 87.927 | 0.32348 | 0.00000 | 316523.1 | 152286.2 | 100632.1 | S |
| 44.308 | 0.0000 | 0.0000 | 87.926 | 0.32340 | 0.00000 | 316523.1 | 152295.9 | 100632.1 | S |
| 44.317 | 0.0000 | 0.0000 | 87.926 | 0.32333 | 0.00000 | 316523.1 | 152305.6 | 100632.1 | S |
| 44.325 | 0.0000 | 0.0000 | 87.926 | 0.32325 | 0.00000 | 316523.1 | 152315.3 | 100632.1 | S |
| 44.333 | 0.0000 | 0.0000 | 87.925 | 0.32318 | 0.00000 | 316523.1 | 152325.0 | 100632.1 | S |
| 44.342 | 0.0000 | 0.0000 | 87.925 | 0.32310 | 0.00000 | 316523.1 | 152334.7 | 100632.1 | S |
| 44.350 | 0.0000 | 0.0000 | 87.924 | 0.32303 | 0.00000 | 316523.1 | 152344.4 | 100632.1 | S |
| 44.358 | 0.0000 | 0.0000 | 87.924 | 0.32295 | 0.00000 | 316523.1 | 152354.1 | 100632.1 | S |
| 44.367 | 0.0000 | 0.0000 | 87.923 | 0.32288 | 0.00000 | 316523.1 | 152363.8 | 100632.1 | S |
| 44.375 | 0.0000 | 0.0000 | 87.923 | 0.32280 | 0.00000 | 316523.1 | 152373.5 | 100632.1 | S |
| 44.383 | 0.0000 | 0.0000 | 87.923 | 0.32273 | 0.00000 | 316523.1 | 152383.2 | 100632.1 | S |
| 44.392 | 0.0000 | 0.0000 | 87.922 | 0.32265 | 0.00000 | 316523.1 | 152392.9 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (f/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{H}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ff}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative <br> Discharge <br> Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 44.400 | 0.0000 | 0.0000 | 87.922 | 0.32258 | 0.00000 | 316523.1 | 152402.5 | 100632.1 | S |
| 44.408 | 0.0000 | 0.0000 | 87.921 | 0.32250 | 0.00000 | 316523.1 | 152412.2 | 100632.7 | S |
| 44.417 | 0.0000 | 0.0000 | 87.921 | 0.32243 | 0.00000 | 316523.1 | 152421.9 | 100632.1 | S |
| 44.425 | 0.0000 | 0.0000 | 87.920 | 0.32235 | 0.00000 | 316523.1 | 152431.5 | 100632.1 | S |
| 44.433 | 0.0000 | 0.0000 | 87.920 | 0.32228 | 0.00000 | 316523, 1 | 152441.2 | 100632.1 | S |
| 44.442 | 0.0000 | 0.0000 | 87.919 | 0.32220 | 0.00000 | 316523.1 | 152450.9 | 100632.1 | S |
| 44.450 | 0.0000 | 0.0000 | 87.919 | 0.32213 | 0.00000 | 316523.1 | 152460.6 | 100632.1 | S |
| 44.458 | 0.0000 | 0.0000 | 87.919 | 0.32205 | 0.00000 | 316523.1 | 152470.2 | 100632.1 | S |
| 44.467 | 0.0000 | 0.0000 | 87.918 | 0.32198 | 0.00000 | 316523.1 | 152479.9 | 100632.1 | S |
| 44.475 | 0.0000 | 0.0000 | 87.918 | 0.32190 | 0.00000 | 316523.1 | 152489.5 | 100632.1 | S |
| 44.483 | 0.0000 | 0.0000 | 87.917 | 0.32183 | 0.00000 | 316523.1 | 152499.2 | 100632.1 | S |
| 44.492 | 0.0000 | 0.0000 | 87.917 | 0.32175 | 0.00000 | 316523.1 | 152508.8 | 100632.1 | S |
| 44.500 | 0.0000 | 0.0000 | 87.916 | 0.32168 | 0.00000 | 316523.1 | 152518.5 | 100632.1 | S |
| 44.508 | 0.0000 | 0.0000 | 87.916 | 0.32160 | 0.00000 | 316523.1 | 152528.1 | 100632.1 | S |
| 44.517 | 0.0000 | 0.0000 | 87.916 | 0.32153 | 0.00000 | 316523.1 | 152537.8 | 100632.1 | S |
| 44.525 | 0.0000 | 0.0000 | 87.915 | 0.32145 | 0.00000 | 316523.1 | 152547.4 | 100632.1 | S |
| 44.533 | 0.0000 | 0.0000 | 87.915 | 0.32138 | 0.00000 | 316523.1 | 152557.1 | 100632.1 | S |
| 44.542 | 0.0000 | 0.0000 | 87.914 | 0.32130 | 0.00000 | 316523.1 | 152566.7 | 100632.1 | S |
| 44.550 | 0.0000 | 0.0000 | 87.914 | 0.32123 | 0.00000 | 316523.1 | 152576.4 | 100632.1 | S |
| 44.558 | 0.0000 | 0.0000 | 87.913 | 0.32116 | 0.00000 | 316523.1 | 152586.0 | 100632.1 | S |
| 44.567 | 0.0000 | 0.0000 | 87.913 | 0.32108 | 0.00000 | 316523.1 | 152595.6 | 100632.1 | S |
| 44.575 | 0.0000 | 0.0000 | 87.913 | 0.32101 | 0.00000 | 316523.1 | 152605.3 | 100632.1 | S |
| 44.583 | 0.0000 | 0.0000 | 87.912 | 0.32093 | 0.00000 | 316523.1 | 152614.9 | 100632.1 | S |
| 44.592 | 0.0000 | 0.0000 | 87.912 | 0.32086 | 0.00000 | 316523.1 | 152624.5 | 100632.1 | S |
| 44.600 | 0.0000 | 0.0000 | 87.911 | 0.32078 | 0.00000 | $3 \uparrow 6523.1$ | 152634.1 | 100632.1 | S |
| 44.608 | 0.0000 | 0.0000 | 87.911 | 0.32071 | 0.00000 | 316523.1 | 152643.8 | 100632.1 | S |
| 44.617 | 0.0000 | 0.0000 | 87.910 | 0.32064 | 0.00000 | 316523.1 | 152653.4 | 100632.1 | S |
| 44.625 | 0.0000 | 0.0000 | 87.910 | 0.32056 | 0.00000 | 316523.1 | 152663.0 | 100632.1 | S |
| 44.633 | 0.0000 | 0.0000 | 87.910 | 0.32049 | 0.00000 | 316523.1 | 152672.6 | 100632.1 | S |
| 44.642 | 0.0000 | 0.0000 | 87.909 | 0.32041 | 0.00000 | 316523.1 | 152682.2 | 100632.1 | S |
| 44.650 | 0.0000 | 0.0000 | 87.909 | 0.32034 | 0.00000 | 316523.1 | 15269 १. 8 | 100632.1 | S |
| 44.658 | 0.0000 | 0.0000 | 87.908 | 0.32026 | 0.00000 | 316523.1 | 152701.5 | 100632.1 | S |
| 44.667 | 0.0000 | 0.0000 | 87.908 | 0.32019 | 0.00000 | 316523.1 | 152711.1 | 100632.1 | S |
| 44.675 | 0.0000 | 0.0000 | 87.907 | 0.32012 | 0.00000 | 316523.1 | 152720.7 | 100632.1 | S |
| 44.683 | 0.0000 | 0.0000 | 87.907 | 0.32004 | 0.00000 | 316523.1 | 152730.3 | 100632.1 | S |
| 44.692 | 0.0000 | 0.0000 | 87.907 | 0.31997 | 0.00000 | 316523.1 | 152739.9 | 100632.1 | S |
| 44.700 | 0.0000 | 0.0000 | 87.906 | 0.31989 | 0.00000 | 316523.1 | 152749.5 | 100632.1 | S |
| 44.708 | 0.0000 | 0.0000 | 87.906 | 0.31982 | 0.00000 | 316523.1 | 152759.1 | 100632.1 | S |
| 44.717 | 0.0000 | 0.0000 | 87.905 | 0.31975 | 0.00000 | 316523.1 | 152768.7 | 100632.1 | S |
| 44.725 | 0.0000 | 0.0000 | 87.905 | 0.31967 | 0.00000 | 316523.1 | 152778.3 | 100632.1 | S |
| 44.733 | 0.0000 | 0.0000 | 87.904 | 0.31960 | 0.00000 | 316523.1 | 152787.8 | 100632.1 | S |
| 44.742 | 0.0000 | 0.0000 | 87.904 | 0.31953 | 0.00000 | 316523.1 | 152797.4 | 100632.1 | S |
| 44.750 | 0.0000 | 0.0000 | 87.904 | 0.31945 | 0.00000 | 316523.1 | 152807.0 | 100632.1 | S |
| 44.758 | 0.0000 | 0.0000 | 87.903 | 0.31938 | 0.00000 | 316523.1 | 152816.6 | 100632.1 | S |
| 44.767 | 0.0000 | 0.0000 | 87.903 | 0.31930 | 0.00000 | 316523.1 | 152826.2 | 100632.1 | S |
| 44.775 | 0.0000 | 0.0000 | 87.902 | 0.31923 | 0.00000 | 316523.1 | 152835.8 | 100632.1 | S |
| 44.783 | 0.0000 | 0.0000 | 87.902 | 0.31916 | 0.00000 | 316523.1 | 152845.3 | 100632.1 | S |
| 44.792 | 0.0000 | 0.0000 | 87.901 | 0.31908 | 0.00000 | 316523.1 | 152854.9 | 100632.1 | S |
| 44.800 | 0.0000 | 0.0000 | 87.901 | 0.31901 | 0.00000 | 316523.1 | 152864.5 | 100632.1 | S |
| 44.808 | 0.0000 | 0.0000 | 87.901 | 0.31894 | 0.00000 | 316523.1 | 152874.0 | 100632.1 | S |
| 44.817 | 0.0000 | 0.0000 | 87.900 | 0.31886 | 0.00000 | 316523.1 | 152883.6 | 100632.1 | S |
| 44.825 | 0.0000 | 0.0000 | 87.900 | 0.31879 | 0.00000 | 316523.1 | 152893.2 | 100632.1 | S |
| 44.833 | 0.0000 | 0.0000 | 87.899 | 0.31872 | 0.00000 | 316523.1 | 152902.7 | 100632.1 | S |
| 44.842 | 0.0000 | 0.0000 | 87.899 | 0.31864 | 0.00000 | 316523.1 | 152912.3 | 100632.1 | S |
| 44.850 | 0.0000 | 0.0000 | 87.898 | 0.31857 | 0.00000 | 316523.1 | 152921.8 | 100632.1 | S |
| 44.858 | 0.0000 | 0.0000 | 87.898 | 0.31850 | 0.00000 | 316523.1 | 152931.4 | 100632.1 | S |
| 44.867 | 0.0000 | 0.0000 | 87.898 | 0.31842 | 0.00000 | 316523.1 | 152941.0 | 100632.1 | S |
| 44.875 | 0.0000 | 0.0000 | 87.897 | 0.31835 | 0.00000 | 316523.1 | 152950.5 | 100632.1 | S |
| 44.883 | 0.0000 | 0.0000 | 87.897 | 0.31828 | 0.00000 | 316523.1 | 152960.1 | 100632.1 | S |
| 44.892 | 0.0000 | 0.0000 | 87.896 | 0.31820 | 0.00000 | 316523.1 | 152969.6 | 100632.1 | S |
| 44.900 | 0.0000 | 0.0000 | 87.896 | 0.31813 | 0.00000 | 316523.1 | 152979.2 | 100632.1 | S |
| 44.908 | 0.0000 | 0.0000 | 87.895 | 0.31806 | 0.00000 | 316523.1 | 152988.7 | 100632.1 | S |
| 44.917 | 0.0000 | 0.0000 | 87.895 | 0.31798 | 0.00000 | 316523.1 | 152998.2 | 100632.1 | S |
| 44.925 | 0.0000 | 0.0000 | 87.894 | 0.31791 | 0.00000 | 316523.1 | 153007.8 | 100632.1 | S |
| 44.933 | 0.0000 | 0.0000 | 87.894 | 0.31784 | 0.00000 | 316523.1 | 153017.3 | 100632.1 | S |
| 44.942 | 0.0000 | 0.0000 | 87.894 | 0.31776 | 0.00000 | 316523.1 | 153026.8 | 100632.1 | S |
| 44.950 | 0.0000 | 0.0000 | 87.893 | 0.31769 | 0.00000 | 316523.1 | 153036.4 | 100632.1 | S |
| 44.958 | 0.0000 | 0.0000 | 87.893 | 0.31762 | 0.00000 | 316523.1 | 153045.9 | 100632.1 | S |
| 44.967 | 0.0000 | 0.0000 | 87.892 | 0.31755 | 0.00000 | 376523.1 | 153055.4 | 100632.1 | S |
| 44.975 | 0.0000 | 0.0000 | 87.892 | 0.31747 | 0.00000 | 316523.1 | 153065.0 | 100632.1 | S |
| 44.983 | 0.0000 | 0.0000 | 87.891 | 0.31740 | 0.00000 | 316523.1 | 153074.5 | 100632.1 | S |
| 44.992 | 0.0000 | 0.0000 | 87.891 | 0.31733 | 0.00000 | 316523.1 | 153084.0 | 100632.1 | S |
| 45.000 | 0.0000 | 0.0000 | 87.891 | 0.31725 | 0.00000 | 316523.1 | 153093.5 | 100632.1 | S |
| 45.008 | 0.0000 | 0.0000 | 87.890 | 0.31718 | 0.00000 | 316523.1 | 153103.0 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 /} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Infiow <br> Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{t}^{3}$ ) | Cumulative <br> Discharge Volurne ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 45.017 | 0.0000 | 0.0000 | 87.890 | 0.31711 | 0.00000 | 316523.1 | 153112.5 | 100632.1 | S |
| 45.025 | 0.0000 | 0.0000 | 87.889 | 0.31704 | 0.00000 | 316523.1 | 153122.1 | 100632.1 | S |
| 45.033 | 0.0000 | 0.0000 | 87.889 | 0.31696 | 0.00000 | 316523.1 | 153131.6 | 100632.1 | S |
| 45.042 | 0.0000 | 0.0000 | 87.889 | 0.37689 | 0.00000 | 316523.1 | 153141.1 | 100632.1 | S |
| 45.050 | 0.0000 | 0.0000 | 87.888 | 0.31682 | 0.00000 | 316523.1 | 153150.6 | 100632.1 | S |
| 45.058 | 0.0000 | 0.0000 | 87.888 | 0.31675 | 0.00000 | 316523.1 | 153160.1 | 100632.1 | S |
| 45.067 | 0.0000 | 0.0000 | 87.887 | 0.31667 | 0.00000 | 316523.1 | 153169.6 | 100632.1 | S |
| 45.075 | 0.0000 | 0.0000 | 87.887 | 0.31660 | 0.00000 | 316523.1 | 153179.1 | 100632.1 | S |
| 45.083 | 0.0000 | 0.0000 | 87.886 | 0.31653 | 0.00000 | 316523.1 | 153188.6 | 100632.1 | S |
| 45.092 | 0.0000 | 0.0000 | 87.886 | 0.31646 | 0.00000 | 316523.1 | 153198.1 | 100632.1 | S |
| 45.100 | 0.0000 | 0.0000 | 87.886 | 0.31638 | 0.00000 | 316523.1 | 153207.6 | 100632.1 | S |
| 45.108 | 0.0000 | 0.0000 | 87.885 | 0.31631 | 0.00000 | 316523.1 | 153217.1 | 100632.1 | S |
| 45.117 | 0.0000 | 0.0000 | 87.885 | 0.31624 | 0.00000 | 316523.1 | 153226.5 | 100632.1 | S |
| 45.125 | 0.0000 | 0.0000 | 87.884 | 0.31617 | 0.00000 | 316523.1 | 153236.0 | 100632.1 | S |
| 45.133 | 0.0000 | 0.0000 | 87.884 | 0.31609 | 0.00000 | 316523.1 | 153245.5 | 100632.1 | S |
| 45.142 | 0.0000 | 0.0000 | 87.883 | 0.31602 | 0.00000 | 316523.1 | 153255.0 | 100632.1 | S |
| 45.150 | 0.0000 | 0.0000 | 87.883 | 0.31595 | 0.00000 | 316523.1 | 153264.5 | 100632.1 | S |
| 45.158 | 0.0000 | 0.0000 | 87.883 | 0.31588 | 0.00000 | 316523.1 | 153274.0 | 100632.1 | S |
| 45.167 | 0.0000 | 0.0000 | 87.882 | 0.31580 | 0.00000 | 316523.1 | 153283.4 | 100632.1 | S |
| 45.175 | 0.0000 | 0.0000 | 87.882 | 0.31573 | 0.00000 | 316523.1 | 153292.9 | 100632.1 | S |
| 45.183 | 0.0000 | 0.0000 | 87.881 | 0.31566 | 0.00000 | 316523.1 | 153302.4 | 100632.1 | S |
| 45.192 | 0.0000 | 0.0000 | 87.881 | 0.31559 | 0.00000 | 316523.1 | 153311.8 | 100632.1 | S |
| 45.200 | 0.0000 | 0.0000 | 87.880 | 0.31552 | 0.00000 | 316523.1 | 153321.3 | 100632.1 | S |
| 45.208 | 0.0000 | 0.0000 | 87.880 | 0.31544 | 0.00000 | 316523.1 | 153330.8 | 100632.1 | S |
| 45.217 | 0.0000 | 0.0000 | 87.880 | 0.31537 | 0.00000 | 316523.1 | 153340.2 | 100632.1 | S |
| 45.225 | 0.0000 | 0.0000 | 87.879 | 0.31530 | 0.00000 | 316523.1 | 153349.7 | 100632.1 | S |
| 45.233 | 0.0000 | 0.0000 | 87.879 | 0.31523 | 0.00000 | 316523.1 | 153359.2 | 100632.1 | S |
| 45.242 | 0.0000 | 0.0000 | 87.878 | 0.31516 | 0.00000 | 316523.1 | 153368.6 | 100632.1 | S |
| 45.250 | 0.0000 | 0.0000 | 87.878 | 0.31508 | 0.00000 | 316523.1 | 153378.1 | 100632.1 | S |
| 45.258 | 0.0000 | 0.0000 | 87.877 | 0.31501 | 0.00000 | 316523.1 | 153387.5 | 100632.1 | S |
| 45.267 | 0.0000 | 0.0000 | 87.877 | 0.31494 | 0.00000 | 316523.1 | 153397.0 | 100632.1 | S |
| 45.275 | 0.0000 | 0.0000 | 87.877 | 0.31487 | 0.00000 | 316523.1 | 153406.4 | 100632.1 | S |
| 45.283 | 0.0000 | 0.0000 | 87.876 | 0.31480 | 0.00000 | 316523.1 | 153415.9 | 100632.1 | S |
| 45.292 | 0.0000 | 0.0000 | 87.876 | 0.31473 | 0.00000 | 316523.1 | 153425.3 | 100632.1 | S |
| 45.300 | 0.0000 | 0.0000 | 87.875 | 0.31465 | 0.00000 | 316523.1 | 153434.8 | 100632.1 | S |
| 45.308 | 0.0000 | 0.0000 | 87.875 | 0.31458 | 0.00000 | 316523.1 | 153444.2 | 100632.1 | S |
| 45.317 | 0.0000 | 0.0000 | 87.874 | 0.31451 | 0.00000 | 316523.1 | 153453.6 | 100632.1 | S |
| 45.325 | 0.0000 | 0.0000 | 87.874 | 0.31444 | 0.00000 | 316523.1 | 153463.1 | 100632.1 | S |
| 45.333 | 0.0000 | 0.0000 | 87.874 | 0.31437 | 0.00000 | 316523.1 | 153472.5 | 100632.1 | S |
| 45.342 | 0.0000 | 0.0000 | 87.873 | 0.31430 | 0.00000 | 316523.1 | 153481.9 | 100632.1 | S |
| 45.350 | 0.0000 | 0.0000 | 87.873 | 0.31423 | 0.00000 | 316523.1 | 153491.3 | 100632.1 | S |
| 45.358 | 0.0000 | 0.0000 | 87.872 | 0.31415 | 0.00000 | 316523.1 | 153500.8 | 100632.1 | S |
| 45.367 | 0.0000 | 0.0000 | 87.872 | 0.31408 | 0.00000 | 316523.1 | 153510.2 | 100632.1 | S |
| 45.375 | 0.0000 | 0.0000 | 87.871 | 0.31401 | 0.00000 | 316523.1 | 153519.6 | 100632.1 | S |
| 45.383 | 0.0000 | 0.0000 | 87.871 | 0.31394 | 0.00000 | 316523.1 | 153529.0 | 100632.4 | S |
| 45.392 | 0.0000 | 0.0000 | 87.871 | 0.31387 | 0.00000 | 316523.1 | 153538.5 | 100632.1 | S |
| 45.400 | 0.0000 | 0.0000 | 87.870 | 0.31380 | 0.00000 | 316523.1 | 153547.9 | 100632.1 | S |
| 45.408 | 0.0000 | 0.0000 | 87.870 | 0.31373 | 0.00000 | 316523.1 | 153557.3 | 100632.1 | S |
| 45.417 | 0.0000 | 0.0000 | 87.869 | 0.31365 | 0.00000 | 316523.1 | 153566.7 | 100632.1 | S |
| 45.425 | 0.0000 | 0.0000 | 87.869 | 0.31358 | 0.00000 | 316523.1 | 153576.1 | 100632.1 | S |
| 45.433 | 0.0000 | 0.0000 | 87.868 | 0.31351 | 0.00000 | 316523.1 | 153585.5 | 100632.1 | S |
| 45.442 | 0.0000 | 0.0000 | 87.868 | 0.31344 | 0.00000 | 316523.1 | 153594.9 | 100632.1 | S |
| 45.450 | 0.0000 | 0.0000 | 87.868 | 0.31337 | 0.00000 | 316523.1 | 153604.3 | 100632.1 | S |
| 45.458 | 0.0000 | 0.0000 | 87.867 | 0.31330 | 0.00000 | 316523.1 | 153613.7 | 100632.1 | S |
| 45.467 | 0.0000 | 0.0000 | 87.867 | 0.31323 | 0.00000 | 316523.1 | 153623.1 | 100632.1 | S |
| 45.475 | 0.0000 | 0.0000 | 87.866 | 0.31316 | 0.00000 | 316523.1 | 153632.5 | 100632.1 | S |
| 45.483 | 0.0000 | 0.0000 | 87.866 | 0.31309 | 0.00000 | 376523.1 | 153641.9 | 100632.1 | S |
| 45.492 | 0.0000 | 0.0000 | 87.866 | 0.31301 | 0.00000 | 316523.1 | 153651.3 | 100632.1 | S |
| 45.500 | 0.0000 | 0.0000 | 87.865 | 0.31294 | 0.00000 | 316523.1 | 153660.7 | 100632.1 | S |
| 45.508 | 0.0000 | 0.0000 | 87.865 | 0.31287 | 0.00000 | 316523.1 | 153670.1 | 100632.1 | S |
| 45.517 | 0.0000 | 0.0000 | 87.864 | 0.31280 | 0.00000 | 316523.1 | 153679.5 | 100632.1 | S |
| 45.525 | 0.0000 | 0.0000 | 87.864 | 0.31273 | 0.00000 | 316523.1 | 153688.8 | 100632.1 | S |
| 45.533 | 0.0000 | 0.0000 | 87.863 | 0.31266 | 0.00000 | 316523.1 | 153698.2 | 100632.1 | S |
| 45.542 | 0.0000 | 0.0000 | 87.863 | 0.31259 | 0.00000 | 316523.1 | 153707.6 | 100632.1 | S |
| 45.550 | 0.0000 | 0.0000 | 87.863 | 0.31252 | 0.00000 | 316523.1 | 153717.0 | 100632.1 | S |
| 45.558 | 0.0000 | 0.0000 | 87.862 | 0.31245 | 0.00000 | 316523.1 | 153726.3 | 100632.1 | S |
| 45.567 | 0.0000 | 0.0000 | 87.862 | 0.31238 | 0.00000 | 316523.1 | 153735.7 | 100632.1 | S |
| 45.575 | 0.0000 | 0.0000 | 87.861 | 0.31231 | 0.00000 | 316523.1 | 153745.1 | 100632.1 | S |
| 45.583 | 0.0000 | 0.0000 | 87.861 | 0.31224 | 0.00000 | 316523.1 | 153754.5 | 100632.1 | S |
| 45.592 | 0.0000 | 0.0000 | 87.860 | 0.31217 | 0.00000 | 316523.1 | 153763.8 | 100632.1 | S |
| 45.600 | 0.0000 | 0.0000 | 87.860 | 0.31209 | 0.00000 | 316523.1 | 153773.2 | 100632.1 | S |
| 45.608 | 0.0000 | 0.0000 | 87.860 | 0.31202 | 0.00000 | 316523.1 | 153782.5 | 100632.1 | S |
| 45.617 | 0.0000 | 0.0000 | 87.859 | 0.31195 | 0.00000 | 316523.1 | 153791.9 | 100632.1 | S |
| 45.625 | 0.0000 | 0.0000 | 87.859 | 0.31188 | 0.00000 | 316523.1 | 153801.3 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{fl}^{3 / \mathrm{s}}$ ) | Overlow Discharge ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume (ft ${ }^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 45.633 | 0.0000 | 0.0000 | 87.858 | 0.31181 | 0.00000 | 316523.1 | 153810.6 | 100632.1 | S |
| 45.642 | 0.0000 | 0.0000 | 87.858 | 0.31174 | 0.00000 | 316523.1 | 153820.0 | 100632.1 | S |
| 45.650 | 0.0000 | 0.0000 | 87.857 | 0.31167 | 0.00000 | 316523.1 | 153829.3 | 100632.4 | S |
| 45.658 | 0.0000 | 0.0000 | 87.857 | 0.31160 | 0.00000 | 316523.1 | 153838.7 | 100632.1 | S |
| 45.667 | 0.0000 | 0.0000 | 87.857 | 0.31153 | 0.00000 | 316523.1 | 153848.0 | 100632.1 | S |
| 45.675 | 0.0000 | 0.0000 | 87.856 | 0.31146 | 0.00000 | 316523.1 | 153857.4 | 100632.1 | S |
| 45.683 | 0.0000 | 0.0000 | 87.856 | 0.31139 | 0.00000 | 316523.1 | 153866.7 | 100632.1 | S |
| 45.692 | 0.0000 | 0.0000 | 87.855 | 0.31132 | 0.00000 | 316523.1 | 153876.0 | 100632.1 | S |
| 45.700 | 0.0000 | 0.0000 | 87.855 | 0.31125 | 0.00000 | 316523.1 | 153885.4 | 100632.1 | S |
| 45.708 | 0.0000 | 0.0000 | 87.855 | 0.31118 | 0.00000 | 316523.1 | 153894.7 | 100632.1 | S |
| 45.717 | 0.0000 | 0.0000 | 87.854 | 0.31111 | 0.00000 | 316523.1 | 153904.1 | 100632.1 | S |
| 45.725 | 0.0000 | 0.0000 | 87.854 | 0.31104 | 0.00000 | 316523.1 | 153913.4 | 100632.1 | S |
| 45.733 | 0.0000 | 0.0000 | 87.853 | 0.31097 | 0.00000 | 316523.1 | 153922.7 | 100632.1 | S |
| 45.742 | 0.0000 | 0.0000 | 87.853 | 0.31090 | 0.00000 | 316523.1 | 153932.0 | 100632.1 | S |
| 45.750 | 0.0000 | 0.0000 | 87.852 | 0.31083 | 0.00000 | 316523.1 | 153941.4 | 100632.1 | S |
| 45.758 | 0.0000 | 0.0000 | 87.852 | 0.31076 | 0.00000 | 316523.1 | 153950.7 | 100632.1 | S |
| 45.767 | 0.0000 | 0.0000 | 87.852 | 0.31069 | 0.00000 | 316523.1 | 153960.0 | 100632.1 | S |
| 45.775 | 0.0000 | 0.0000 | 87.851 | 0.31062 | 0.00000 | 316523.1 | 153969.3 | 100632.1 | S |
| 45.783 | 0.0000 | 0.0000 | 87.851 | 0.31055 | 0.00000 | 316523.1 | 153978.7 | 100632.1 | S |
| 45.792 | 0.0000 | 0.0000 | 87.850 | 0.31048 | 0.00000 | 316523.1 | 153988.0 | 100632.1 | S |
| 45.800 | 0.0000 | 0.0000 | 87.850 | 0.31041 | 0.00000 | 316523.1 | 153997.3 | 100632.1 | S |
| 45.808 | 0.0000 | 0.0000 | 87.849 | 0.31034 | 0.00000 | 316523.1 | 154006.6 | 100632.1 | S |
| 45.817 | 0.0000 | 0.0000 | 87.849 | 0.31027 | 0.00000 | 316523.1 | 154015.9 | 100632.1 | S |
| 45.825 | 0.0000 | 0.0000 | 87.849 | 0.31020 | 0.00000 | 316523.1 | 154025.2 | 100632.1 | S |
| 45.833 | 0.0000 | 0.0000 | 87.848 | 0.31013 | 0.00000 | 316523.1 | 154034.5 | 100632.1 | S |
| 45.842 | 0.0000 | 0.0000 | 87.848 | 0.31006 | 0.00000 | 316523.1 | 154043.8 | 100632.1 | S |
| 45.850 | 0.0000 | 0.0000 | 87.847 | 0.30999 | 0.00000 | 316523.1 | 154053.1 | 100632.1 | S |
| 45.858 | 0.0000 | 0.0000 | 87.847 | 0.30992 | 0.00000 | 316523.1 | 154062.4 | 100632.1 | S |
| 45.867 | 0.0000 | 0.0000 | 87.847 | 0.30985 | 0.00000 | 316523.1 | 154071.7 | 100632.1 | S |
| 45.875 | 0.0000 | 0.0000 | 87.846 | 0.30978 | 0.00000 | 316523.1 | 154081.0 | 100632.1 | S |
| 45.883 | 0.0000 | 0.0000 | 87.846 | 0.30971 | 0.00000 | 316523.1 | 154090.3 | 100632.1 | S |
| 45.892 | 0.0000 | 0.0000 | 87.845 | 0.30964 | 0.00000 | 316523.1 | 154099.6 | 100632.1 | S |
| 45.900 | 0.0000 | 0.0000 | 87.845 | 0.30957 | 0.00000 | 316523.1 | 154108.9 | 100632.1 | S |
| 45.908 | 0.0000 | 0.0000 | 87.844 | 0.30950 | 0.00000 | 316523.1 | 154118.2 | 100632.1 | S |
| 45.917 | 0.0000 | 0.0000 | 87.844 | 0.30943 | 0.00000 | 316523.1 | 154127.5 | 100632.1 | S |
| 45.925 | 0.0000 | 0.0000 | 87.844 | 0.30937 | 0.00000 | 316523.1 | 154136.7 | 100632.1 | S |
| 45.933 | 0.0000 | 0.0000 | 87.843 | 0.30930 | 0.00000 | 316523.1 | 154146.0 | 100632.1 | S |
| 45.942 | 0.0000 | 0.0000 | 87.843 | 0.30923 | 0.00000 | 316523.1 | 154155.3 | 100632.1 | S |
| 45.950 | 0.0000 | 0.0000 | 87.842 | 0.30916 | 0.00000 | 316523.1 | 154164.6 | 100632.1 | S |
| 45.958 | 0.0000 | 0.0000 | 87.842 | 0.30909 | 0.00000 | 316523.1 | 154173.8 | 100632.1 | S |
| 45.967 | 0.0000 | 0.0000 | 87.841 | 0.30902 | 0.00000 | 316523.1 | 154183.1 | 100632.1 | S |
| 45.975 | 0.0000 | 0.0000 | 87.841 | 0.30895 | 0.00000 | 316523.1 | 154192.4 | 100632.1 | S |
| 45.983 | 0.0000 | 0.0000 | 87.841 | 0.30888 | 0.00000 | 316523.1 | 154201.7 | 100632.1 | S |
| 45.992 | 0.0000 | 0.0000 | 87.840 | 0.30881 | 0.00000 | 316523.1 | 154210.9 | 100632.1 | S |
| 46.000 | 0.0000 | 0.0000 | 87.840 | 0.30874 | 0.00000 | 316523.1 | 154220.2 | 100632.1 | S |
| 46.008 | 0.0000 | 0.0000 | 87.839 | 0.30867 | 0.00000 | 316523.1 | 154229.4 | 100632.1 | S |
| 46.017 | 0.0000 | 0.0000 | 87.839 | 0.30860 | 0.00000 | 316523.1 | 154238.7 | 100632.1 | S |
| 46.025 | 0.0000 | 0.0000 | 87.839 | 0.30853 | 0.00000 | 316523.1 | 154248.0 | 100632.1 | S |
| 46.033 | 0.0000 | 0.0000 | 87.838 | 0.30847 | 0.00000 | 316523.1 | 154257.2 | 100632.1 | S |
| 46.042 | 0.0000 | 0.0000 | 87.838 | 0.30840 | 0.00000 | 316523.1 | 154266.5 | 100632.1 | S |
| 46.050 | 0.0000 | 0.0000 | 87.837 | 0.30833 | 0.00000 | 316523.1 | 154275.7 | 100632.1 | S |
| 46.058 | 0.0000 | 0.0000 | 87.837 | 0.30826 | 0.00000 | 316523.1 | 154285.0 | 100632.1 | S |
| 46.067 | 0.0000 | 0.0000 | 87.836 | 0.30819 | 0.00000 | 316523.1 | 154294.2 | 100632.1 | S |
| 46.075 | 0.0000 | 0.0000 | 87.836 | 0.30812 | 0.00000 | 316523.1 | 154303.5 | 100632.1 | S |
| 46.083 | 0.0000 | 0.0000 | 87.836 | 0.30805 | 0.00000 | 316523.1 | 154312.7 | 100632.1 | S |
| 46.092 | 0.0000 | 0.0000 | 87.835 | 0.30798 | 0.00000 | 316523.1 | 154321.9 | 100632.1 | S |
| 46.100 | 0.0000 | 0.0000 | 87.835 | 0.30791 | 0.00000 | 316523.1 | 154331.2 | 100632.1 | S |
| 46.108 | 0.0000 | 0.0000 | 87.834 | 0.30785 | 0.00000 | 316523.1 | 154340.4 | 100632.1 | S |
| 46.117 | 0.0000 | 0.0000 | 87.834 | 0.30778 | 0.00000 | 316523.1 | 154349.7 | 100632.1 | S |
| 46.125 | 0.0000 | 0.0000 | 87.833 | 0.30771 | 0.00000 | 316523.1 | 154358.9 | 100632.1 | S |
| 46.133 | 0.0000 | 0.0000 | 87.833 | 0.30764 | 0.00000 | 316523.1 | 154368.1 | 100632.1 | S |
| 46.142 | 0.0000 | 0.0000 | 87.833 | 0.30757 | 0.00000 | 316523.1 | 154377.3 | 100632.1 | S |
| 46.150 | 0.0000 | 0.0000 | 87.832 | 0.30750 | 0.00000 | 316523.1 | 154386.6 | 100632.1 | S |
| 46.158 | 0.0000 | 0.0000 | 87.832 | 0.30743 | 0.00000 | 316523.1 | 154395.8 | 100632.1 | S |
| 46.167 | 0.0000 | 0.0000 | 87.831 | 0.30737 | 0.00000 | 316523.1 | 154405.0 | 100632.1 | S |
| 46.175 | 0.0000 | 0.0000 | 87.831 | 0.30730 | 0.00000 | 316523.1 | 154414.2 | 100632.1 | S |
| 46.183 | 0.0000 | 0.0000 | 87.831 | 0.30723 | 0.00000 | 316523.1 | 154423.5 | 100632.1 | S |
| 46.192 | 0.0000 | 0.0000 | 87.830 | 0.30716 | 0.00000 | 316523.1 | 154432.7 | 100632.1 | S |
| 46.200 | 0.0000 | 0.0000 | 87.830 | 0.30709 | 0.00000 | 316523.1 | 154441.9 | 100632. 1 | S |
| 46.208 | 0.0000 | 0.0000 | 87.829 | 0.30702 | 0.00000 | 316523.1 | 154451.1 | 100632.1 | S |
| 46.217 | 0.0000 | 0.0000 | 87.829 | 0.30695 | 0.00000 | 316523.1 | 154460.3 | 100632.1 | S |
| 46.225 | 0.0000 | 0.0000 | 87.828 | 0.30689 | 0.00000 | 316523.1 | 154469.5 | 100632.1 | S |
| 46.233 | 0.0000 | 0.0000 | 87.828 | 0.30682 | 0.00000 | 316523.1 | \$54478.7 | 100632.1 | S |
| 46.242 | 0.0000 | 0.0000 | 87.828 | 0.30675 | 0.00000 | 316523.1 | 154487.9 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overlow Discharge ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{H}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 46.250 | 0.0000 | 0.0000 | 87.827 | 0.30668 | 0.00000 | 316523.1 | 154497.1 | $\{00632.1$ | S |
| 46.258 | 0.0000 | 0.0000 | 87.827 | 0.30661 | 0.00000 | 316523.1 | 154506.3 | 100632.1 | S |
| 46.267 | 0.0000 | 0.0000 | 87.826 | 0.30654 | 0.00000 | 316523.1 | 154515.5 | 100632.1 | S |
| 46.275 | 0.0000 | 0.0000 | 87.826 | 0.30648 | 0.00000 | 316523.1 | 154524.7 | 100632.1 | S |
| 46.283 | 0.0000 | 0.0000 | 87.826 | 0.30641 | 0.00000 | 316523.1 | 754533.9 | 100632.1 | S |
| 46.292 | 0.0000 | 0.0000 | 87.825 | 0.30634 | 0.00000 | 316523.1 | 154543.1 | 100632.1 | S |
| 46.300 | 0.0000 | 0.0000 | 87.825 | 0.30627 | 0.00000 | 316523.1 | 154552.3 | 100632.1 | S |
| 46.308 | 0.0000 | 0.0000 | 87.824 | 0.30620 | 0.00000 | 316523.1 | 154561.5 | 100632.1 | S |
| 46.317 | 0.0000 | 0.0000 | 87.824 | 0.30614 | 0.00000 | 316523.1 | 154570.7 | 100632.1 | S |
| 46.325 | 0.0000 | 0.0000 | 87.823 | 0.30607 | 0.00000 | 316523.1 | 154579.8 | 100632.1 | S |
| 46.333 | 0.0000 | 0.0000 | 87.823 | 0.30600 | 0.00000 | 316523.1 | 154589.0 | 100632.1 | S |
| 46.342 | 0.0000 | 0.0000 | 87.823 | 0.30593 | 0.00000 | 316523.1 | 154598.2 | 100632.7 | S |
| 46.350 | 0.0000 | 0.0000 | 87.822 | 0.30586 | 0.00000 | 316523.1 | 154607.4 | 100632.1 | S |
| 46.358 | 0.0000 | 0.0000 | 87.822 | 0.30580 | 0.00000 | 316523.1 | 154616.5 | 100632.1 | S |
| 46.367 | 0.0000 | 0.0000 | 87.821 | 0.30573 | 0.00000 | 316523.1 | 154625.7 | 100632.1 | S |
| 46.375 | 0.0000 | 0.0000 | 87.821 | 0.30566 | 0.00000 | 316523.1 | 154634.9 | 100632.1 | S |
| 46.383 | 0.0000 | 0.0000 | 87.821 | 0.30559 | 0.00000 | 316523.1 | 154644.1 | 100632.1 | S |
| 46.392 | 0.0000 | 0.0000 | 87.820 | 0.30552 | 0.00000 | 316523.1 | 154653.2 | 100632.1 | S |
| 46.400 | 0.0000 | 0.0000 | 87.820 | 0.30546 | 0.00000 | 316523.1 | 154662.4 | 100632.1 | S |
| 46.408 | 0.0000 | 0.0000 | 87.819 | 0.30539 | 0.00000 | 316523.1 | 154671.6 | 100632.1 | S |
| 46.417 | 0.0000 | 0.0000 | 87.819 | 0.30532 | 0.00000 | 316523.1 | 154680.7 | 100632.1 | S |
| 46.425 | 0.0000 | 0.0000 | 87.818 | 0.30525 | 0.00000 | 316523.1 | 154689.9 | 100632.1 | S |
| 46.433 | 0.0000 | 0.0000 | 87.818 | 0.30519 | 0.00000 | 316523.1 | 154699.0 | 100632.1 | S |
| 46.442 | 0.0000 | 0.0000 | 87.818 | 0.30512 | 0.00000 | 316523.1 | 154708.2 | 100632.1 | S |
| 46.450 | 0.0000 | 0.0000 | 87.817 | 0.30505 | 0.00000 | 316523.1 | 154717.3 | 100632.1 | S |
| 46.458 | 0.0000 | 0.0000 | 87.817 | 0.30498 | 0.00000 | 316523.1 | 154726.5 | 100632.1 | S |
| 46.467 | 0.0000 | 0.0000 | 87.816 | 0.30492 | 0.00000 | 316523.1 | 154735.6 | 100632.1 | S |
| 46.475 | 0.0000 | 0.0000 | 87.816 | 0.30485 | 0.00000 | 316523.1 | 154744.8 | 100632.7 | S |
| 46.483 | 0.0000 | 0.0000 | 87.816 | 0.30478 | 0.00000 | 316523.1 | 154753.9 | 100632.1 | S |
| 46.492 | 0.0000 | 0.0000 | 87.815 | 0.30471 | 0.00000 | 316523.1 | 154763.1 | 100632.1 | S |
| 46.500 | 0.0000 | 0.0000 | 87.815 | 0.30465 | 0.00000 | 316523.1 | 154772.2 | 100632.1 | S |
| 46.508 | 0.0000 | 0.0000 | 87.814 | 0.30458 | 0.00000 | 316523.1 | 154781.4 | 100632.1 | S |
| 46.517 | 0.0000 | 0.0000 | 87.814 | 0.30451 | 0.00000 | 316523.1 | 154790.5 | 100632.1 | S |
| 46.525 | 0.0000 | 0.0000 | 87.813 | 0.30444 | 0.00000 | 316523.1 | 154799.6 | 100632.1 | S |
| 46.533 | 0.0000 | 0.0000 | 87.813 | 0.30438 | 0.00000 | 316523.1 | 154808.8 | 100632.1 | S |
| 46.542 | 0.0000 | 0.0000 | 87.813 | 0.30431 | 0.00000 | 316523.1 | 154817.9 | 100632.1 | S |
| 46.550 | 0.0000 | 0.0000 | 87.812 | 0.30424 | 0.00000 | 316523.1 | 154827.0 | 100632.1 | S |
| 46.558 | 0.0000 | 0.0000 | 87.812 | 0.30417 | 0.00000 | 316523.1 | 154836.1 | 100632.1 | S |
| 46.567 | 0.0000 | 0.0000 | 87.811 | 0.30411 | 0.00000 | 316523.1 | 154845.3 | 100632.1 | S |
| 46.575 | 0.0000 | 0.0000 | 87.811 | 0.30404 | 0.00000 | 316523.1 | 154854.4 | 100632.1 | S |
| 46.583 | 0.0000 | 0.0000 | 87.811 | 0.30397 | 0.00000 | 316523.1 | 154863.5 | 100632.1 | S |
| 46.592 | 0.0000 | 0.0000 | 87.810 | 0.30391 | 0.00000 | 316523.1 | 154872.6 | 100632.1 | S |
| 46.600 | 0.0000 | 0.0000 | 87.810 | 0.30384 | 0.00000 | 316523.1 | 154881.7 | 100632.1 | S |
| 46.608 | 0.0000 | 0.0000 | 87.809 | 0.30377 | 0.00000 | 316523.1 | 154890.9 | 100632.1 | S |
| 46.617 | 0.0000 | 0.0000 | 87.809 | 0.30370 | 0.00000 | 316523.1 | 154900.0 | 100632.1 | S |
| 46.625 | 0.0000 | 0.0000 | 87.808 | 0.30364 | 0.00000 | 316523.1 | 154909.1 | 100632.1 | S |
| 46.633 | 0.0000 | 0.0000 | 87.808 | 0.30357 | 0.00000 | 316523.1 | 154918.2 | 100632.1 | S |
| 46.642 | 0.0000 | 0.0000 | 87.808 | 0.30350 | 0.00000 | 316523.1 | 154927.3 | 100632.1 | S |
| 46.650 | 0.0000 | 0.0000 | 87.807 | 0.30344 | 0.00000 | 316523.1 | 154936.4 | 100632.1 | S |
| 46.658 | 0.0000 | 0.0000 | 87.807 | 0.30337 | 0.00000 | 316523.1 | 154945.5 | 100632.1 | S |
| 46.667 | 0.0000 | 0.0000 | 87,806 | 0.30330 | 0.00000 | 316523.1 | 154954.6 | 100632.1 | S |
| 46.675 | 0.0000 | 0.0000 | 87.806 | 0.30324 | 0.00000 | 316523.1 | 154963.7 | 100632.1 | S |
| 46.683 | 0.0000 | 0.0000 | 87.806 | 0.30317 | 0.00000 | 316523.1 | 154972.8 | 100632.1 | S |
| 46.692 | 0.0000 | 0.0000 | 87.805 | 0.30310 | 0.00000 | 316523.1 | 154981.9 | 100632.1 | S |
| 46.700 | 0.0000 | 0.0000 | 87.805 | 0.30303 | 0.00000 | 316523.1 | 154991.0 | 100632.1 | S |
| 46.708 | 0.0000 | 0.0000 | 87.804 | 0.30297 | 0.00000 | 316523.1 | 155000.1 | 100632.1 | S |
| 46.717 | 0.0000 | 0.0000 | 87.804 | 0.30290 | 0.00000 | 316523.1 | 155009.2 | 100632.1 | S |
| 46.725 | 0.0000 | 0.0000 | 87.804 | 0.30283 | 0.00000 | 316523.1 | 155018.2 | 100632.1 | S |
| 46.733 | 0.0000 | 0.0000 | 87.803 | 0.30277 | 0.00000 | 316523.1 | 155027.3 | 100632.1 | S |
| 46.742 | 0.0000 | 0.0000 | 87.803 | 0.30270 | 0.00000 | 316523.1 | 155036.4 | 100632.1 | S |
| 46.750 | 0.0000 | 0.0000 | 87.802 | 0.30263 | 0.00000 | 316523.1 | 155045.5 | 100632.1 | S |
| 46.758 | 0.0000 | 0.0000 | 87.802 | 0.30257 | 0.00000 | 316523.1 | 155054.6 | \$00632.1 | S |
| 46.767 | 0.0000 | 0.0000 | 87.801 | 0.30250 | 0.00000 | 316523.1 | 155063.6 | 100632.1 | S |
| 46.775 | 0.0000 | 0.0000 | 87.801 | 0.30243 | 0.00000 | 316523.1 | 155072.7 | 100632.1 | S |
| 46.783 | 0.0000 | 0.0000 | 87.801 | 0.30237 | 0.00000 | 316523.1 | 155081.8 | 100632.1 | S |
| 46.792 | 0.0000 | 0.0000 | 87.800 | 0.30230 | 0.00000 | 316523.1 | 155090.9 | 100632.1 | S |
| 46.800 | 0.0000 | 0.0000 | 87.800 | 0.30224 | 0.00000 | 316523.1 | 155099.9 | 100632.1 | S |
| 46.808 | 0.0000 | 0.0000 | 87.799 | 0.30217 | 0.00000 | 316523.1 | 155109.0 | 100632.1 | S |
| 46.817 | 0.0000 | 0.0000 | 87.799 | 0.30210 | 0.00000 | 316523.1 | 155118.1 | 100632.1 | S |
| 46.825 | 0.0000 | 0.0000 | 87.799 | 0.30204 | 0.00000 | 316523.1 | 155127.1 | 100632.1 | S |
| 46.833 | 0.0000 | 0.0000 | 87.798 | 0.30197 | 0.00000 | 316523.1 | 155136.2 | 100632.1 | S |
| 46.842 | 0.0000 | 0.0000 | 87.798 | 0.30190 | 0.00000 | 316523.1 | 155145.2 | 100632.1 | S |
| 46.850 | 0.0000 | 0.0000 | 87.797 | 0.30184 | 0.00000 | 316523.1 | 155154.3 | 100632.1 | S |
| 46.858 | 0.0000 | 0.0000 | 87.797 | 0.30177 | 0.00000 | 316523.1 | 155163.3 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (fl datum) | Infiltration Rate $\left(\mathrm{f}^{3} / \mathrm{s}\right)$ | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Intiltration Volume ( $\mathrm{t}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 46.867 | 0.0000 | 0.0000 | 87.797 | 0.30170 | 0.00000 | 316523.1 | 155172.4 | 100632.1 | S |
| 46.875 | 0.0000 | 0.0000 | 87.796 | 0.30164 | 0.00000 | 316523.1 | 155181.5 | 100632.1 | S |
| 46.883 | 0.0000 | 0.0000 | 87.796 | 0.30157 | 0.00000 | 316523.1 | 155190.5 | 100632.1 | S |
| 46.892 | 0.0000 | 0.0000 | 87.795 | 0.30151 | 0.00000 | 316523.1 | 155199.5 | 100632.1 | S |
| 46.900 | 0.0000 | 0.0000 | 87.795 | 0.30144 | 0.00000 | 316523.1 | 155208.6 | 100632.1 | S |
| 46.908 | 0.0000 | 0.0000 | 87.794 | 0.30137 | 0.00000 | 316523.1 | 155217.6 | 100632.1 | S |
| 46.917 | 0.0000 | 0.0000 | 87.794 | 0.30131 | 0.00000 | 316523.1 | 155226.7 | 100632.1 | S |
| 46.925 | 0.0000 | 0.0000 | 87.794 | 0.30124 | 0.00000 | 316523.1 | 155235.7 | 100632.1 | S |
| 46.933 | 0.0000 | 0.0000 | 87.793 | 0.30118 | 0.00000 | 316523.1 | 155244.8 | 100632.1 | S |
| 46.942 | 0.0000 | 0.0000 | 87.793 | 0.30111 | 0.00000 | 316523.1 | 155253.8 | 100632.1 | S |
| 46.950 | 0.0000 | 0.0000 | 87.792 | 0.30104 | 0.00000 | 316523.1 | 155262.8 | 100632.1 | S |
| 46.958 | 0.0000 | 0.0000 | 87.792 | 0.30098 | 0.00000 | 316523.1 | 155271.8 | 100632.1 | S |
| 46.967 | 0.0000 | 0.0000 | 87.792 | 0.30091 | 0.00000 | 316523.1 | 155280.9 | 100632.1 | S |
| 46.975 | 0.0000 | 0.0000 | 87.791 | 0.30085 | 0.00000 | 316523.1 | 155289.9 | 100632.1 | S |
| 46.983 | 0.0000 | 0.0000 | 87.791 | 0.30078 | 0.00000 | 316523.1 | 155298.9 | 100632.4 | S |
| 46.992 | 0.0000 | 0.0000 | 87.790 | 0.30071 | 0.00000 | 316523.1 | 155307.9 | 100632.1 | S |
| 47.000 | 0.0000 | 0.0000 | 87.790 | 0.30065 | 0.00000 | 316523.1 | 155317.0 | 100632.1 | S |
| 47.008 | 0.0000 | 0.0000 | 87.790 | 0.30058 | 0.00000 | 316523.1 | 155326.0 | 100632.1 | S |
| 47.017 | 0.0000 | 0.0000 | 87.789 | 0.30052 | 0.00000 | 316523.1 | 155335.0 | 100632.1 | S |
| 47.025 | 0.0000 | 0.0000 | 87.789 | 0.30045 | 0.00000 | 316523.1 | 155344.0 | 100632.1 | S |
| 47.033 | 0.0000 | 0.0000 | 87.788 | 0.30039 | 0.00000 | 316523.1 | 155353.0 | 100632.1 | S |
| 47.042 | 0.0000 | 0.0000 | 87.788 | 0.30032 | 0.00000 | 316523.1 | 155362.0 | 100632.1 | S |
| 47.050 | 0.0000 | 0.0000 | 87.787 | 0.30025 | 0.00000 | 316523.1 | 155371.0 | 100632.1 | S |
| 47.058 | 0.0000 | 0.0000 | 87.787 | 0.30019 | 0.00000 | 316523.1 | 155380.0 | 100632.1 | S |
| 47.067 | 0.0000 | 0.0000 | 87.787 | 0.30012 | 0.00000 | 316523.1 | 155389.1 | 100632.1 | S |
| 47.075 | 0.0000 | 0.0000 | 87.786 | 0.30006 | 0.00000 | 316523.1 | 155398.1 | 100632.1 | S |
| 47.083 | 0.0000 | 0.0000 | 87.786 | 0.29999 | 0.00000 | 316523.1 | 155407.1 | 100632.1 | S |
| 47.092 | 0.0000 | 0.0000 | 87.785 | 0.29993 | 0.00000 | 316523.1 | 155416.7 | 100632.1 | S |
| 47.100 | 0.0000 | 0.0000 | 87.785 | 0.29986 | 0.00000 | 316523.1 | 155425.1 | 100632.1 | S |
| 47.108 | 0.0000 | 0.0000 | 87.785 | 0.29980 | 0.00000 | 316523.1 | 155434.0 | 100632.1 | S |
| 47.117 | 0.0000 | 0.0000 | 87.784 | 0.29973 | 0.00000 | 316523.1 | 155443.0 | 100632.1 | S |
| 47.125 | 0.0000 | 0.0000 | 87.784 | 0.29966 | 0.00000 | 316523.1 | 155452.0 | 100632.1 | S |
| 47.133 | 0.0000 | 0.0000 | 87.783 | 0.29960 | 0.00000 | 316523.1 | 155461.0 | 100632.1 | S |
| 47.142 | 0.0000 | 0.0000 | 87.783 | 0.29953 | 0.00000 | 316523.1 | 155470.0 | 100632.1 | S |
| 47.150 | 0.0000 | 0.0000 | 87.783 | 0.29947 | 0.00000 | 316523.1 | 155479.0 | 100632.1 | S |
| 47.158 | 0.0000 | 0.0000 | 87.782 | 0.29940 | 0.00000 | 316523.1 | 155488.0 | 100632.1 | S |
| 47.167 | 0.0000 | 0.0000 | 87.782 | 0.29934 | 0.00000 | 316523.1 | 155497.0 | 100632.1 | S |
| 47.175 | 0.0000 | 0.0000 | 87.781 | 0.29927 | 0.00000 | 316523.1 | 155505.9 | 100632.1 | S |
| 47.183 | 0.0000 | 0.0000 | 87.781 | 0.29921 | 0.00000 | 316523.1 | 155514.9 | 100632.1 | S |
| 47.192 | 0.0000 | 0.0000 | 87.780 | 0.29914 | 0.00000 | 316523.1 | 155523.9 | 100632.1 | S |
| 47.200 | 0.0000 | 0.0000 | 87.780 | 0.29908 | 0.00000 | 316523.1 | 155532.9 | 100632.1 | S |
| 47.208 | 0.0000 | 0.0000 | 87.780 | 0.29901 | 0.00000 | 316523.1 | 155541.8 | 100632.1 | S |
| 47.217 | 0.0000 | 0.0000 | 87.779 | 0.29895 | 0.00000 | 316523.1 | 155550.8 | 100632.1 | S |
| 47.225 | 0.0000 | 0.0000 | 87.779 | 0.29888 | 0.00000 | 316523.1 | 155559.8 | 100632.1 | S |
| 47.233 | 0.0000 | 0.0000 | 87.778 | 0.29882 | 0.00000 | 316523.1 | 155568.7 | 100632.1 | S |
| 47.242 | 0.0000 | 0.0000 | 87.778 | 0.29875 | 0.00000 | 316523.1 | 155577.7 | 100632.1 | S |
| 47.250 | 0.0000 | 0.0000 | 87.778 | 0.29869 | 0.00000 | 316523.1 | 155586.7 | 100632.1 | S |
| 47.258 | 0.0000 | 0.0000 | 87.777 | 0.29862 | 0.00000 | 316523.1 | 155595.6 | 100632.1 | S |
| 47.267 | 0.0000 | 0.0000 | 87.777 | 0.29856 | 0.00000 | 316523.1 | 155604.6 | 100632.1 | S |
| 47.275 | 0.0000 | 0.0000 | 87.776 | 0.29849 | 0.00000 | 316523.1 | 155613.5 | 100632.1 | S |
| 47.283 | 0.0000 | 0.0000 | 87.776 | 0.29843 | 0.00000 | 316523.1 | 155622.5 | 100632.1 | S |
| 47.292 | 0.0000 | 0.0000 | 87.776 | 0.29836 | 0.00000 | 316523.1 | 155631.4 | 100632.1 | S |
| 47.300 | 0.0000 | 0.0000 | 87.775 | 0.29830 | 0.00000 | 316523.1 | 155640.4 | 100632.1 | S |
| 47.308 | 0.0000 | 0.0000 | 87.775 | 0.29823 | 0.00000 | 316523.1 | 155649.3 | 100632.1 | S |
| 47.317 | 0.0000 | 0.0000 | 87.774 | 0.29817 | 0.00000 | 316523.1 | 155658.3 | 100632.1 | S |
| 47.325 | 0.0000 | 0.0000 | 87.774 | 0.29810 | 0.00000 | 316523.1 | 155667.2 | 100632.1 | S |
| 47.333 | 0.0000 | 0.0000 | 87.774 | 0.29804 | 0.00000 | 316523.1 | 155676.2 | 100632.1 | S |
| 47.342 | 0.0000 | 0.0000 | 87.773 | 0.29797 | 0.00000 | 316523.1 | 155685.1 | 100632.1 | S |
| 47.350 | 0.0000 | 0.0000 | 87.773 | 0.29791 | 0.00000 | 316523.1 | 155694.0 | 100632.1 | S |
| 47.358 | 0.0000 | 0.0000 | 87.772 | 0.29784 | 0.00000 | 316523.1 | 155703.0 | 100632.1 | S |
| 47.367 | 0.0000 | 0.0000 | 87.772 | 0.29778 | 0.00000 | 316523.1 | 155711.9 | 100632.1 | S |
| 47.375 | 0.0000 | 0.0000 | 87.771 | 0.29771 | 0.00000 | 316523.1 | 155720.9 | 100632.1 | S |
| 47.383 | 0.0000 | 0.0000 | 87.771 | 0.29765 | 0.00000 | 316523.1 | 155729.8 | 100632.1 | S |
| 47.392 | 0.0000 | 0.0000 | 87.771 | 0.29759 | 0.00000 | 316523.1 | 155738.7 | 100632.1 | S |
| 47.400 | 0.0000 | 0.0000 | 87.770 | 0.29752 | 0.00000 | 316523.1 | 155747.6 | 100632.1 | S |
| 47.408 | 0.0000 | 0.0000 | 87.770 | 0.29746 | 0.00000 | 316523.1 | 155756.6 | 100632.1 | S |
| 47.417 | 0.0000 | 0.0000 | 87.769 | 0.29739 | 0.00000 | 316523.1 | 155765.5 | 100632.1 | S |
| 47.425 | 0.0000 | 0.0000 | 87.769 | 0.29733 | 0.00000 | 316523.1 | 155774.4 | 100632.1 | S |
| 47.433 | 0.0000 | 0.0000 | 87.769 | 0.29726 | 0.00000 | 316523.1 | 155783.3 | 100632.1 | S |
| 47.442 | 0.0000 | 0.0000 | 87.768 | 0.29720 | 0.00000 | 316523.1 | 155792.2 | 100632.1 | S |
| 47.450 | 0.0000 | 0.0000 | 87.768 | 0.29713 | 0.00000 | 316523.1 | 155801.2 | 100632.1 | S |
| 47.458 | 0.0000 | 0.0000 | 87.767 | 0.29707 | 0.00000 | 316523.1 | 155810.1 | 100632.1 | S |
| 47.467 | 0.0000 | 0.0000 | 87.767 | 0.29701 | 0.00000 | 316523.1 | 155819.0 | 100632.1 | S |
| 47.475 | 0.0000 | 0.0000 | 87.767 | 0.29694 | 0.00000 | 316523.1 | 155827.9 | 100632.1 | S |

PONDS Version 3.2.0207

# Retention Pond Recovery - Refined Method Copyright 2003 

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/overflow

| Elapsed Time (hours) | inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge ( $\mathrm{t} / \mathrm{d}$ day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{2}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 47.483 | 0.0000 | 0.0000 | 87.766 | 0.29688 | 0.00000 | 316523.1 | 155836.8 | 100632.1 | S |
| 47.492 | 0.0000 | 0.0000 | 87.766 | 0.29681 | 0.00000 | 316523.1 | 155845.7 | 100632.1 | S |
| 47.500 | 0.0000 | 0.0000 | 87.765 | 0.29675 | 0.00000 | 316523.1 | 155854.6 | 100632.1 | S |
| 47.508 | 0.0000 | 0.0000 | 87.765 | 0.29668 | 0.00000 | 376523.1 | 155863.5 | 100632.1 | S |
| 47.517 | 0.0000 | 0.0000 | 87.765 | 0.29662 | 0.00000 | 316523.1 | 155872.4 | 100632.1 | S |
| 47.525 | 0.0000 | 0.0000 | 87.764 | 0.29656 | 0.00000 | 316523.1 | 155881.3 | 100632.1 | S |
| 47.533 | 0.0000 | 0.0000 | 87.764 | 0.29649 | 0.00000 | 316523.1 | 155890.2 | 100632.1 | S |
| 47.542 | 0.0000 | 0.0000 | 87.763 | 0.29643 | 0.00000 | 316523.1 | 155899.1 | 100632.1 | S |
| 47.550 | 0.0000 | 0.0000 | 87.763 | 0.29636 | 0.00000 | 316523.1 | 155908.0 | 100632.1 | S |
| 47.558 | 0.0000 | 0.0000 | 87.762 | 0.29630 | 0.00000 | 316523.1 | 155916.9 | 100632.1 | S |
| 47.567 | 0.0000 | 0.0000 | 87.762 | 0.29624 | 0.00000 | 316523.1 | 155925.8 | 100632.1 | S |
| 47.575 | 0.0000 | 0.0000 | 87.762 | 0.29617 | 0.00000 | 316523.1 | 155934.7 | 100632.1 | S |
| 47.583 | 0.0000 | 0.0000 | 87.761 | 0.29611 | 0.00000 | 316523.1 | 155943.5 | 100632.1 | S |
| 47.592 | 0.0000 | 0.0000 | 87.761 | 0.29604 | 0.00000 | 316523.1 | 155952.4 | 100632.1 | S |
| 47.600 | 0.0000 | 0.0000 | 87.760 | 0.29598 | 0.00000 | 316523.1 | 155961.3 | 100632.1 | S |
| 47.608 | 0.0000 | 0.0000 | 87.760 | 0.29592 | 0.00000 | 316523.1 | 155970.2 | 100632.1 | S |
| 47.617 | 0.0000 | 0.0000 | 87.760 | 0.29585 | 0.00000 | 316523.1 | 155979.0 | 100632.1 | S |
| 47.625 | 0.0000 | 0.0000 | 87.759 | 0.29579 | 0.00000 | 316523.1 | 155987.9 | 100632.1 | S |
| 47.633 | 0.0000 | 0.0000 | 87.759 | 0.29572 | 0.00000 | 316523.1 | 155996.8 | 100632.1 | S |
| 47.642 | 0.0000 | 0.0000 | 87.758 | 0.29566 | 0.00000 | 316523.1 | 156005.7 | 100632.1 | S |
| 47.650 | 0.0000 | 0.0000 | 87.758 | 0.29560 | 0.00000 | 316523.1 | 156014.5 | 100632.1 | S |
| 47.658 | 0.0000 | 0.0000 | 87.758 | 0.29553 | 0.00000 | 316523.1 | 156023.4 | 100632.1 | S |
| 47.667 | 0.0000 | 0.0000 | 87.757 | 0.29547 | 0.00000 | 316523.1 | 156032.3 | 100632.1 | S |
| 47.675 | 0.0000 | 0.0000 | 87.757 | 0.29541 | 0.00000 | 316523.1 | 156041.1 | 100632.1 | S |
| 47.683 | 0.0000 | 0.0000 | 87.756 | 0.29534 | 0.00000 | 316523.1 | 156050.0 | 100632.1 | S |
| 47.692 | 0.0000 | 0.0000 | 87.756 | 0.29528 | 0.00000 | $3 \ddagger 6523.1$ | 156058.9 | 100632.1 | S |
| 47.700 | 0.0000 | 0.0000 | 87.756 | 0.29521 | 0.00000 | 316523.1 | 156067.7 | 100632.1 | S |
| 47.708 | 0.0000 | 0.0000 | 87.755 | 0.29515 | 0.00000 | 316523.1 | 156076.6 | 100632.1 | S |
| 47.717 | 0.0000 | 0.0000 | 87.755 | 0.29509 | 0.00000 | 316523.1 | 156085.4 | 100632.1 | S |
| 47.725 | 0.0000 | 0.0000 | 87.754 | 0.29502 | 0.00000 | 316523.1 | 156094.3 | 100632.1 | S |
| 47.733 | 0.0000 | 0.0000 | 87.754 | 0.29496 | 0.00000 | 316523.1 | 156103.1 | 100632.1 | S |
| 47.742 | 0.0000 | 0.0000 | 87.754 | 0.29490 | 0.00000 | 316523.1 | 156112.0 | 100632.1 | S |
| 47.750 | 0.0000 | 0.0000 | 87.753 | 0.29483 | 0.00000 | 316523.1 | 156120.8 | 100632.1 | S |
| 47.758 | 0.0000 | 0.0000 | 87.753 | 0.29477 | 0.00000 | 316523.1 | 156129.7 | 100632.1 | S |
| 47.767 | 0.0000 | 0.0000 | 87.752 | 0.29471 | 0.00000 | 316523.1 | 156138.5 | 100632.1 | S |
| 47.775 | 0.0000 | 0.0000 | 87.752 | 0.29464 | 0.00000 | 316523.1 | 156147.3 | 100632.1 | S |
| 47.783 | 0.0000 | 0.0000 | 87.752 | 0.29458 | 0.00000 | 316523.1 | 156156.2 | 100632.1 | S |
| 47.792 | 0.0000 | 0.0000 | 87.751 | 0.29452 | 0.00000 | 316523.1 | 156165.0 | 100632.1 | S |
| 47.800 | 0.0000 | 0.0000 | 87.751 | 0.29445 | 0.00000 | 316523.1 | 156173.9 | 100632.1 | S |
| 47.808 | 0.0000 | 0.0000 | 87.750 | 0.29439 | 0.00000 | 316523.1 | 156182.7 | 100632.1 | S |
| 47.817 | 0.0000 | 0.0000 | 87.750 | 0.29433 | 0.00000 | 316523.1 | 156191.5 | 100632.1 | S |
| 47.825 | 0.0000 | 0.0000 | 87.749 | 0.29426 | 0.00000 | 316523.1 | 156200.3 | 100632.1 | S |
| 47.833 | 0.0000 | 0.0000 | 87.749 | 0.29420 | 0.00000 | 316523.1 | 156209.2 | 100632.1 | S |
| 47.842 | 0.0000 | 0.0000 | 87.749 | 0.29414 | 0.00000 | 316523.1 | 156218.0 | 100632.1 | S |
| 47.850 | 0.0000 | 0.0000 | 87.748 | 0.29407 | 0.00000 | 316523.1 | 156226.8 | 100632.1 | S |
| 47.858 | 0.0000 | 0.0000 | 87.748 | 0.29401 | 0.00000 | 316523.1 | 156235.6 | 100632.1 | S |
| 47.867 | 0.0000 | 0.0000 | 87.747 | 0.29395 | 0.00000 | 316523.1 | 156244.5 | 100632.1 | S |
| 47.875 | 0.0000 | 0.0000 | 87.747 | 0.29388 | 0.00000 | 316523.1 | 156253.3 | 100632.1 | S |
| 47.883 | 0.0000 | 0.0000 | 87.747 | 0.29382 | 0.00000 | 316523.1 | 156262.1 | 100632.1 | S |
| 47.892 | 0.0000 | 0.0000 | 87.746 | 0.29376 | 0.00000 | 316523.1 | 156270.9 | 100632.1 | S |
| 47.900 | 0.0000 | 0.0000 | 87.746 | 0.29370 | 0.00000 | 316523.1 | 156279.7 | 100632.1 | S |
| 47.908 | 0.0000 | 0.0000 | 87.745 | 0.29363 | 0.00000 | 316523.1 | 156288.5 | 100632.1 | S |
| 47.917 | 0.0000 | 0.0000 | 87.745 | 0.29357 | 0.00000 | 316523.1 | 156297.3 | 100632.1 | S |
| 47.925 | 0.0000 | 0.0000 | 87.745 | 0.29351 | 0.00000 | 316523.1 | 156306.1 | 100632.1 | S |
| 47.933 | 0.0000 | 0.0000 | 87.744 | 0.29344 | 0.00000 | 316523.1 | 156315.0 | 100632.1 | S |
| 47.942 | 0.0000 | 0.0000 | 87.744 | 0.29338 | 0.00000 | 316523.1 | 156323.8 | 100632.1 | S |
| 47.950 | 0.0000 | 0.0000 | 87.743 | 0.29332 | 0.00000 | 316523.1 | 156332.5 | 100632.1 | S |
| 47.958 | 0.0000 | 0.0000 | 87.743 | 0.29326 | 0.00000 | 316523.1 | 156341.3 | 100632.1 | S |
| 47.967 | 0.0000 | 0.0000 | 87.743 | 0.29319 | 0.00000 | 316523.1 | 156350.1 | 100632.1 | S |
| 47.975 | 0.0000 | 0.0000 | 87.742 | 0.29313 | 0.00000 | 316523.1 | 756358.9 | 100632.1 | S |
| 47.983 | 0.0000 | 0.0000 | 87.742 | 0.29307 | 0.00000 | 316523.1 | 156367.7 | 100632.1 | S |
| 47.992 | 0.0000 | 0.0000 | 87.741 | 0.29300 | 0.00000 | 316523.1 | 156376.5 | 100632.1 | S |
| 48.000 | 0.0000 | 0.0000 | 87.741 | 0.29294 | 0.00000 | 316523.1 | 156385.3 | 100632.1 | S |
| 48.008 | 0.0000 | 0.0000 | 87.741 | 0.29288 | 0.00000 | 316523.1 | 156394.1 | 100632.1 | S |
| 48.017 | 0.0000 | 0.0000 | 87.740 | 0.29282 | 0.00000 | 316523.1 | 156402.9 | 100632.1 | S |
| 48.025 | 0.0000 | 0.0000 | 87.740 | 0.29275 | 0.00000 | 316523.1 | 156411.7 | 100632.1 | S |
| 48.033 | 0.0000 | 0.0000 | 87.739 | 0.29269 | 0.00000 | 316523.1 | 156420.5 | 100632.1 | S |
| 48.042 | 0.0000 | 0.0000 | 87.739 | 0.29263 | 0.00000 | 316523.1 | 156429.2 | 100632.1 | S |
| 48.050 | 0.0000 | 0.0000 | 87.739 | 0.29257 | 0.00000 | 316523.1 | 156438.0 | 100632.1 | S |
| 48.058 | 0.0000 | 0.0000 | 87.738 | 0.29250 | 0.00000 | 316523.1 | 156446.8 | 100632.1 | S |
| 48.067 | 0.0000 | 0.0000 | 87.738 | 0.29244 | 0.00000 | 316523.1 | 156455.6 | 100632.1 | S |
| 48.075 | 0.0000 | 0.0000 | 87.737 | 0.29238 | 0.00000 | 316523.1 | 156464.3 | 100632.1 | S |
| 48.083 | 0.0000 | 0.0000 | 87.737 | 0.29232 | 0.00000 | 316523.1 | 156473.1 | 100632.1 | S |
| 48.092 | 0.0000 | 0.0000 | 87.737 | 0.29225 | 0.00000 | 316523.1 | 156481.9 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | Inflow Rate (ft3/s) | Outside <br> Recharge <br> (It/day) | Stage Elevation (ft datum) | Infilitration Rate ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Overfiow <br> Discharge <br> ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ff}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 48.100 | 0.0000 | 0.0000 | 87.736 | 0.29219 | 0.00000 | 316523.1 | \$56490.6 | 100632.1 | S |
| 48.108 | 0.0000 | 0.0000 | 87.736 | 0.29213 | 0.00000 | 316523.1 | 156499.4 | 100632.1 | S |
| 48.117 | 0.0000 | 0.0000 | 87.735 | 0.29207 | 0.00000 | 316523.1 | 156508.2 | 100632.1 | S |
| 48.125 | 0.0000 | 0.0000 | 87.735 | 0.29200 | 0.00000 | 316523.1 | 156516.9 | 100632.1 | S |
| 48.133 | 0.0000 | 0.0000 | 87.735 | 0.29194 | 0.00000 | 316523.1 | 156525.7 | 100632.1 | S |
| 48.142 | 0.0000 | 0.0000 | 87.734 | 0.29188 | 0.00000 | 316523.1 | 156534.4 | 100632.1 | S |
| 48.150 | 0.0000 | 0.0000 | 87.734 | 0.29182 | 0.00000 | 316523.1 | 156543.2 | 100632.1 | S |
| 48.158 | 0.0000 | 0.0000 | 87.733 | 0.29175 | 0.00000 | 316523.1 | 156552.0 | 100632.1 | S |
| 48.167 | 0.0000 | 0.0000 | 87.733 | 0.29169 | 0.00000 | 316523.1 | 156560.7 | 100632.1 | S |
| 48.175 | 0.0000 | 0.0000 | 87.733 | 0.29163 | 0.00000 | 316523.1 | 156569.5 | 100632.1 | S |
| 48.183 | 0.0000 | 0.0000 | 87.732 | 0.29157 | 0.00000 | 316523.1 | \$56578.2 | 100632.1 | S |
| 48.192 | 0.0000 | 0.0000 | 87.732 | 0.29151 | 0.00000 | 316523.1 | 156587.0 | 100632.1 | S |
| 48.200 | 0.0000 | 0.0000 | 87.731 | 0.29144 | 0.00000 | 316523.1 | 156595.7 | 100632.1 | S |
| 48.208 | 0.0000 | 0.0000 | 87.731 | 0.29138 | 0.00000 | 316523.1 | 156604.4 | 100632.1 | S |
| 48.217 | 0.0000 | 0.0000 | 87.731 | 0.29132 | 0.00000 | 316523.1 | 156613.2 | 100632.1 | S |
| 48.225 | 0.0000 | 0.0000 | 87.730 | 0.29126 | 0.00000 | 316523.1 | 156621.9 | 100632.1 | S |
| 48.233 | 0.0000 | 0.0000 | 87.730 | 0.29120 | 0.00000 | 316523.1 | 156630.7 | 100632.1 | S |
| 48.242 | 0.0000 | 0.0000 | 87.729 | 0.29113 | 0.00000 | 316523.1 | 156639.4 | 100632.1 | S |
| 48.250 | 0.0000 | 0.0000 | 87.729 | 0.29107 | 0.00000 | 316523.1 | 156648.1 | 100632.1 | S |
| 48.258 | 0.0000 | 0.0000 | 87.729 | 0.29101 | 0.00000 | 316523.1 | 156656.8 | 100632.1 | S |
| 48.267 | 0.0000 | 0.0000 | 87.728 | 0.29095 | 0.00000 | 316523.1 | 156665.6 | 100632.1 | S |
| 48.275 | 0.0000 | 0.0000 | 87.728 | 0.29089 | 0.00000 | 316523.1 | 156674.3 | 100632.1 | S |
| 48.283 | 0.0000 | 0.0000 | 87.727 | 0.29082 | 0.00000 | 316523.1 | 156683.0 | 100632.1 | S |
| 48.292 | 0.0000 | 0.0000 | 87.727 | 0.29076 | 0.00000 | 316523.1 | 156691.8 | 100632.1 | S |
| 48.300 | 0.0000 | 0.0000 | 87.726 | 0.29070 | 0.00000 | 316523.1 | 156700.5 | 100632.1 | S |
| 48.308 | 0.0000 | 0.0000 | 87.726 | 0.29064 | 0.00000 | 316523.1 | 156709.2 | 100632.1 | S |
| 48.317 | 0.0000 | 0.0000 | 87.726 | 0.29058 | 0.00000 | 316523.1 | 156717.9 | 100632.1 | S |
| 48.325 | 0.0000 | 0.0000 | 87.725 | 0.29052 | 0.00000 | 316523.1 | 156726.6 | 100632.1 | S |
| 48.333 | 0.0000 | 0.0000 | 87.725 | 0.29045 | 0.00000 | 316523.1 | 156735.3 | 100632.1 | S |
| 48.342 | 0.0000 | 0.0000 | 87.724 | 0.29039 | 0.00000 | 316523.1 | 156744.1 | 100632.1 | S |
| 48.350 | 0.0000 | 0.0000 | 87.724 | 0.29033 | 0.00000 | 316523.1 | 156752.8 | 100632.1 | S |
| 48.358 | 0.0000 | 0.0000 | 87.724 | 0.29027 | 0.00000 | 316523.1 | 156761.5 | 100632.1 | S |
| 48.367 | 0.0000 | 0.0000 | 87.723 | 0.29021 | 0.00000 | 316523.1 | 156770.2 | 100632.1 | S |
| 48.375 | 0.0000 | 0.0000 | 87.723 | 0.29015 | 0.00000 | 316523.1 | 156778.9 | 100632.1 | S |
| 48.383 | 0.0000 | 0.0000 | 87.722 | 0.29008 | 0.00000 | 316523.1 | 156787.6 | 100632.1 | S |
| 48.392 | 0.0000 | 0.0000 | 87.722 | 0.29002 | 0.00000 | 316523.1 | 156796.3 | 100632.1 | S |
| 48.400 | 0.0000 | 0.0000 | 87.722 | 0.28996 | 0.00000 | 316523.1 | 156805.0 | 100632.1 | S |
| 48.408 | 0.0000 | 0.0000 | 87.721 | 0.28990 | 0.00000 | 316523.1 | 156813.7 | 100632.1 | S |
| 48.417 | 0.0000 | 0.0000 | 87.721 | 0.28984 | 0.00000 | 316523.1 | 156822.4 | 100632.1 | S |
| 48.425 | 0.0000 | 0.0000 | 87.720 | 0.28978 | 0.00000 | 316523.1 | 156831.1 | 100632.1 | S |
| 48.433 | 0.0000 | 0.0000 | 87.720 | 0.28971 | 0.00000 | 316523.1 | 156839.8 | 100632.1 | S |
| 48.442 | 0.0000 | 0.0000 | 87.720 | 0.28965 | 0.00000 | 316523.1 | 156848.5 | 100632.1 | S |
| 48.450 | 0.0000 | 0.0000 | 87.719 | 0.28959 | 0.00000 | 316523.1 | 156857.2 | 100632.1 | S |
| 48.458 | 0.0000 | 0.0000 | 87.719 | 0.28953 | 0.00000 | 316523.1 | 156865.8 | 100632.1 | S |
| 48.467 | 0.0000 | 0.0000 | 87.718 | 0.28947 | 0.00000 | 316523.1 | 156874.5 | 100632.1 | S |
| 48.475 | 0.0000 | 0.0000 | 87.718 | 0.28941 | 0.00000 | 316523.1 | 156883.2 | 100632.1 | S |
| 48.483 | 0.0000 | 0.0000 | 87.718 | 0.28935 | 0.00000 | 316523.1 | 156891.9 | 100632.1 | S |
| 48.492 | 0.0000 | 0.0000 | 87.717 | 0.28929 | 0.00000 | 316523.1 | 156900.6 | 100632.1 | S |
| 48.500 | 0.0000 | 0.0000 | 87.717 | 0.28922 | 0.00000 | 316523.1 | 156909.3 | 100632.1 | S |
| 48.508 | 0.0000 | 0.0000 | 87.716 | 0.28916 | 0.00000 | 316523.1 | 156917.9 | 100632.1 | S |
| 48.517 | 0.0000 | 0.0000 | 87.716 | 0.28910 | 0.00000 | 316523.1 | 156926.6 | 100632.1 | S |
| 48.525 | 0.0000 | 0.0000 | 87.716 | 0.28904 | 0.00000 | 316523.1 | 156935.3 | 100632.1 | S |
| 48.533 | 0.0000 | 0.0000 | 87.715 | 0.28898 | 0.00000 | 316523.1 | 156943.9 | 100632.1 | S |
| 48.542 | 0.0000 | 0.0000 | 87.715 | 0.28892 | 0.00000 | 316523.1 | 156952.6 | 100632.1 | S |
| 48.550 | 0.0000 | 0.0000 | 87.714 | 0.28886 | 0.00000 | 316523.1 | 156961.3 | 100632.1 | S |
| 48.558 | 0.0000 | 0.0000 | 87.714 | 0.28880 | 0.00000 | 316523.1 | 156969.9 | 100632.1 | S |
| 48.567 | 0.0000 | 0.0000 | 87.714 | 0.28874 | 0.00000 | 316523.1 | 156978.6 | 100632.1 | S |
| 48.575 | 0.0000 | 0.0000 | 87.713 | 0.28867 | 0.00000 | 316523.1 | 156987.3 | 100632.1 | S |
| 48.583 | 0.0000 | 0.0000 | 87.713 | 0.28861 | 0.00000 | 316523.1 | 156995.9 | 100632.1 | S |
| 48.592 | 0.0000 | 0.0000 | 87.712 | 0.28855 | 0.00000 | 316523.1 | 157004.6 | 100632.1 | S |
| 48.600 | 0.0000 | 0.0000 | 87.712 | 0.28849 | 0.00000 | 316523.1 | 157013.2 | 100632.1 | S |
| 48.608 | 0.0000 | 0.0000 | 87.712 | 0.28843 | 0.00000 | 316523.1 | 157021.9 | 100632.1 | S |
| 48.617 | 0.0000 | 0.0000 | 87.711 | 0.28837 | 0.00000 | 316523.1 | 157030.5 | 100632.1 | S |
| 48.625 | 0.0000 | 0.0000 | 87.711 | 0.28831 | 0.00000 | 316523.1 | 157039.2 | 100632.1 | S |
| 48.633 | 0.0000 | 0.0000 | 87.710 | 0.28825 | 0.00000 | 316523.1 | 157047.8 | 100632.1 | S |
| 48.642 | 0.0000 | 0.0000 | 87.710 | 0.28819 | 0.00000 | 316523.1 | 157056.5 | 100632.1 | S |
| 48.650 | 0.0000 | 0.0000 | 87.710 | 0.28813 | 0.00000 | 316523.1 | 157065.1 | 100632.1 | S |
| 48.658 | 0.0000 | 0.0000 | 87.709 | 0.28807 | 0.00000 | 316523.1 | 157073.8 | 100632.1 | S |
| 48.667 | 0.0000 | 0.0000 | 87.709 | 0.28800 | 0.00000 | 316523.1 | 157082.4 | 100632.1 | S |
| 48.675 | 0.0000 | 0.0000 | 87.708 | 0.28794 | 0.00000 | 316523.1 | 157091.1 | 100632.1 | S |
| 48,683 | 0.0000 | 0.0000 | 87.708 | 0.28788 | 0.00000 | 316523.1 | 157099.7 | 100632.1 | S |
| 48.692 | 0.0000 | 0.0000 | 87.708 | 0.28782 | 0.00000 | 316523.1 | 157108.3 | 100632.1 | S |
| 48.700 | 0.0000 | 0.0000 | 87.707 | 0.28776 | 0.00000 | 316523.1 | 157117.0 | 100632.1 | S |
| 48.708 | 0.0000 | 0.0000 | 87.707 | 0.28770 | 0.00000 | 316523.1 | 157125.6 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate (ft³s) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | $\begin{gathered} \text { Cumulative } \\ \text { Inflow } \\ \text { Volume }\left(\mathrm{ff}^{3}\right) \end{gathered}$ | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 48.717 | 0.0000 | 0.0000 | 87.707 | 0.28764 | 0.00000 | 316523.1 | 157134.2 | 100632.1 | S |
| 48.725 | 0.0000 | 0.0000 | 87.706 | 0.28758 | 0.00000 | 316523.1 | 157142.9 | 100632.1 | S |
| 48.733 | 0.0000 | 0.0000 | 87.706 | 0.28752 | 0.00000 | 316523.1 | 157151.5 | 100632.1 | S |
| 48.742 | 0.0000 | 0.0000 | 87.705 | 0.28746 | 0.00000 | 316523.1 | 157160.1 | 100632.1 | S |
| 48.750 | 0.0000 | 0.0000 | 87.705 | 0.28740 | 0.00000 | 316523.1 | 157168.7 | 100632.1 | S |
| 48.758 | 0.0000 | 0.0000 | 87.705 | 0.28734 | 0.00000 | 316523.1 | 157177.3 | 100632.1 | S |
| 48.767 | 0.0000 | 0.0000 | 87.704 | 0.28728 | 0.00000 | 316523.1 | 157186.0 | 100632.1 | S |
| 48.775 | 0.0000 | 0.0000 | 87.704 | 0.28722 | 0.00000 | 316523.1 | 157194.6 | 100632.1 | S |
| 48.783 | 0.0000 | 0.0000 | 87.703 | 0.28716 | 0.00000 | 316523.1 | 157203.2 | 100632.1 | S |
| 48.792 | 0.0000 | 0.0000 | 87.703 | 0.28710 | 0.00000 | 316523.1 | 157211.8 | 100632.1 | S |
| 48.800 | 0.0000 | 0.0000 | 87.703 | 0.28704 | 0.00000 | 316523.1 | 157220.4 | 100632.1 | S |
| 48.808 | 0.0000 | 0.0000 | 87.702 | 0.28697 | 0.00000 | 316523.1 | 157229.0 | 100632.1 | S |
| 48.817 | 0.0000 | 0.0000 | 87.702 | 0.28691 | 0.00000 | 316523.1 | 157237.6 | 100632.1 | S |
| 48.825 | 0.0000 | 0.0000 | 87.701 | 0.28685 | 0.00000 | 316523.1 | 157246.3 | 100632.1 | S |
| 48.833 | 0.0000 | 0.0000 | 87.701 | 0.28679 | 0.00000 | 316523.1 | 157254.9 | 100632.1 | S |
| 48.842 | 0.0000 | 0.0000 | 87.701 | 0.28673 | 0.00000 | 316523.1 | 157263.5 | 100632.1 | S |
| 48.850 | 0.0000 | 0.0000 | 87.700 | 0.28667 | 0.00000 | 316523.1 | 157272.1 | 100632.1 | S |
| 48.858 | 0.0000 | 0.0000 | 87.700 | 0.28661 | 0.00000 | 316523.1 | 157280.7 | 100632.1 | S |
| 48.867 | 0.0000 | 0.0000 | 87.699 | 0.28655 | 0.00000 | 316523.1 | 157289.3 | 100632.1 | S |
| 48.875 | 0.0000 | 0.0000 | 87.699 | 0.28649 | 0.00000 | 316523.1 | 157297.9 | 100632.1 | S |
| 48.883 | 0.0000 | 0.0000 | 87.699 | 0.28643 | 0.00000 | 316523.1 | 157306.5 | 100632.1 | S |
| 48.892 | 0.0000 | 0.0000 | 87.698 | 0.28637 | 0.00000 | 316523.1 | 157315.0 | 100632.1 | S |
| 48.900 | 0.0000 | 0.0000 | 87.698 | 0.28631 | 0.00000 | 316523.1 | 157323.6 | 100632.1 | S |
| 48.908 | 0.0000 | 0.0000 | 87.697 | 0.28625 | 0.00000 | 316523.1 | 157332.2 | 100632.1 | S |
| 48.917 | 0.0000 | 0.0000 | 87.697 | 0.28619 | 0.00000 | 316523.1 | 157340.8 | 100632.1 | S |
| 48.925 | 0.0000 | 0.0000 | 87.697 | 0.28613 | 0.00000 | 316523.1 | 157349.4 | 100632.1 | S |
| 48.933 | 0.0000 | 0.0000 | 87.696 | 0.28607 | 0.00000 | 316523.1 | 157358.0 | 100632.1 | S |
| 48.942 | 0.0000 | 0.0000 | 87.696 | 0.28601 | 0.00000 | 316523.1 | 157366.5 | 100632.1 | S |
| 48.950 | 0.0000 | 0.0000 | 87.695 | 0.28595 | 0.00000 | 316523.1 | 157375.1 | 100632.1 | S |
| 48.958 | 0.0000 | 0.0000 | 87.695 | 0.28589 | 0.00000 | 316523.1 | 157383.7 | 100632.1 | S |
| 48.967 | 0.0000 | 0.0000 | 87.695 | 0.28583 | 0.00000 | 316523.1 | 157392.3 | 100632.1 | S |
| 48.975 | 0.0000 | 0.0000 | 87.694 | 0.28577 | 0.00000 | 316523.1 | 157400.9 | 100632.1 | S |
| 48.983 | 0.0000 | 0.0000 | 87.694 | 0.28571 | 0.00000 | 316523.1 | 157409.4 | 100632.1 | S |
| 48.992 | 0.0000 | 0.0000 | 87.693 | 0.28565 | 0.00000 | 316523.1 | 157418.0 | 100632.1 | S |
| 49.000 | 0.0000 | 0.0000 | 87.693 | 0.28559 | 0.00000 | 316523.1 | 157426.6 | 100632.1 | S |
| 49.008 | 0.0000 | 0.0000 | 87.693 | 0.28553 | 0.00000 | 316523.1 | 157435.1 | 100632.1 | S |
| 49.017 | 0.0000 | 0.0000 | 87.692 | 0.28547 | 0.00000 | 316523.1 | 157443.7 | 100632.1 | S |
| 49.025 | 0.0000 | 0.0000 | 87.692 | 0.28541 | 0.00000 | 316523.1 | 157452.3 | 100632.1 | S |
| 49.033 | 0.0000 | 0.0000 | 87.691 | 0.28535 | 0.00000 | 316523.1 | 157460.8 | 100632.1 | S |
| 49.042 | 0.0000 | 0.0000 | 87.691 | 0.28529 | 0.00000 | 316523.1 | 157469.4 | 100632.1 | S |
| 49.050 | 0.0000 | 0.0000 | 87.691 | 0.28523 | 0.00000 | 316523.1 | 157478.0 | 100632.1 | S |
| 49.058 | 0.0000 | 0.0000 | 87.690 | 0.28517 | 0.00000 | 316523.1 | 157486.5 | 100632.1 | S |
| 49.067 | 0.0000 | 0.0000 | 87.690 | 0.28512 | 0.00000 | 316523.1 | 157495.1 | 100632.1 | S |
| 49.075 | 0.0000 | 0.0000 | 87.689 | 0.28506 | 0.00000 | 316523.1 | 157503.6 | 100632.1 | S |
| 49.083 | 0.0000 | 0.0000 | 87.689 | 0.28500 | 0.00000 | 316523.1 | 157512.2 | 100632.1 | S |
| 49.092 | 0.0000 | 0.0000 | 87.689 | 0.28494 | 0.00000 | 316523.1 | 157520.7 | 100632.1 | S |
| 49.100 | 0.0000 | 0.0000 | 87.688 | 0.28488 | 0.00000 | 316523.1 | 157529.3 | 100632.1 | S |
| 49.108 | 0.0000 | 0.0000 | 87.688 | 0.28482 | 0.00000 | 316523.1 | 157537.8 | 100632.1 | S |
| 49.117 | 0.0000 | 0.0000 | 87.687 | 0.28476 | 0.00000 | 316523.1 | 157546.3 | 100632.1 | S |
| 49.125 | 0.0000 | 0.0000 | 87.687 | 0.28470 | 0.00000 | 316523.1 | 157554.9 | 100632.1 | S |
| 49.133 | 0.0000 | 0.0000 | 87.687 | 0.28464 | 0.00000 | 316523.1 | 157563.4 | 100632.1 | S |
| 49.142 | 0.0000 | 0.0000 | 87.686 | 0.28458 | 0.00000 | 316523.1 | 157572.0 | 100632.1 | S |
| 49.150 | 0.0000 | 0.0000 | 87.686 | 0.28452 | 0.00000 | 316523.1 | 157580.5 | 100632.1 | S |
| 49.158 | 0.0000 | 0.0000 | 87.685 | 0.28446 | 0.00000 | 316523.1 | 157589.0 | 100632.1 | S |
| 49.167 | 0.0000 | 0.0000 | 87.685 | 0.28440 | 0.00000 | 316523.1 | 157597.6 | 100632.1 | S |
| 49.175 | 0.0000 | 0.0000 | 87.685 | 0.28434 | 0.00000 | 316523.1 | 157606.1 | 100632.1 | S |
| 49.183 | 0.0000 | 0.0000 | 87.684 | 0.28428 | 0.00000 | 316523.1 | 157614.6 | 100632.1 | S |
| 49.192 | 0.0000 | 0.0000 | 87.684 | 0.28422 | 0.00000 | 316523.1 | 157623.2 | 100632.1 | S |
| 49.200 | 0.0000 | 0.0000 | 87.683 | 0.28416 | 0.00000 | 316523.1 | 157631.7 | 100632.1 | S |
| 49.208 | 0.0000 | 0.0000 | 87.683 | 0.28410 | 0.00000 | 316523.1 | 157640.2 | 100632.1 | S |
| 49.217 | 0.0000 | 0.0000 | 87.683 | 0.28405 | 0.00000 | 316523.1 | 157648.7 | 100632.1 | S |
| 49.225 | 0.0000 | 0.0000 | 87.682 | 0.28399 | 0.00000 | 316523.1 | 157657.3 | 100632.1 | S |
| 49.233 | 0.0000 | 0.0000 | 87.682 | 0.28393 | 0.00000 | 316523.1 | 157665.8 | 100632.1 | S |
| 49.242 | 0.0000 | 0.0000 | 87.682 | 0.28387 | 0.00000 | 316523.1 | 157674.3 | 100632.1 | S |
| 49.250 | 0.0000 | 0.0000 | 87.681 | 0.28381 | 0.00000 | 316523.1 | 157682.8 | 100632.1 | S |
| 49.258 | 0.0000 | 0.0000 | 87.681 | 0.28375 | 0.00000 | 316523.1 | 157691.3 | 100632.1 | S |
| 49.267 | 0.0000 | 0.0000 | 87.680 | 0.28369 | 0.00000 | 316523.1 | 157699.8 | 100632.1 | S |
| 49.275 | 0.0000 | 0.0000 | 87.680 | 0.28363 | 0.00000 | 316523.1 | 157708.3 | 100632.1 | S |
| 49.283 | 0.0000 | 0.0000 | 87.680 | 0.28357 | 0.00000 | 316523.1 | 157716.8 | 100632.1 | S |
| 49.292 | 0.0000 | 0.0000 | 87.679 | 0.28351 | 0.00000 | 316523.1 | 157725.3 | 100632.1 | S |
| 49.300 | 0.0000 | 0.0000 | 87.679 | 0.28345 | 0.00000 | 316523.1 | 157733.9 | 100632.1 | S |
| 49.308 | 0.0000 | 0.0000 | 87.678 | 0.28340 | 0.00000 | 316523.1 | 157742.4 | 100632.1 | S |
| 49.317 | 0.0000 | 0.0000 | 87.678 | 0.28334 | 0.00000 | 316523.1 | 157750.9 | 100632.1 | S |
| 49.325 | 0.0000 | 0.0000 | 87.678 | 0.28328 | 0.00000 | 316523.1 | 157759.4 | 100632.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft} / \mathrm{s} \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (fl datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ta}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 49.333 | 0.0000 | 0.0000 | 87.677 | 0.28322 | 0.00000 | 316523.1 | 157767.9 | 100632.1 | S |
| 49.342 | 0.0000 | 0.0000 | 87.677 | 0.28316 | 0.00000 | 316523.1 | 157776.3 | 100632.1 | S |
| 49.350 | 0.0000 | 0.0000 | 87.676 | 0.28310 | 0.00000 | 316523.1 | 157784.8 | 100632.1 | S |
| 49.358 | 0.0000 | 0.0000 | 87.676 | 0.28304 | 0.00000 | 316523.1 | 157793.3 | 100632.1 | S |
| 49,367 | 0.0000 | 0.0000 | 87.676 | 0.28298 | 0.00000 | 316523.1 | 157801.8 | 100632.1 | S |
| 49.375 | 0.0000 | 0.0000 | 87.675 | 0.28292 | 0.00000 | 316523.1 | 157810.3 | 100632.1 | S |
| 49.383 | 0.0000 | 0.0000 | 87.675 | 0.28287 | 0.00000 | 316523.1 | 157818.8 | 100632.1 | S |
| 49.392 | 0.0000 | 0.0000 | 87.674 | 0.28281 | 0.00000 | 316523.1 | 157827.3 | 100632.1 | S |
| 49.400 | 0.0000 | 0.0000 | 87.674 | 0.28275 | 0.00000 | 316523.1 | 157835.8 | 100632.1 | S |
| 49.408 | 0.0000 | 0.0000 | 87.674 | 0.28269 | 0.00000 | 316523.1 | 157844.3 | 100632.1 | S |
| 49.417 | 0.0000 | 0.0000 | 87.673 | 0.28263 | 0.00000 | 316523.1 | 157852.7 | 100632.1 | S |
| 49.425 | 0.0000 | 0.0000 | 87.673 | 0.28257 | 0.00000 | 316523.1 | 157861.2 | 100632.1 | S |
| 49.433 | 0.0000 | 0.0000 | 87.672 | 0.28251 | 0.00000 | 316523.1 | 157869.7 | 100632.1 | S |
| 49.442 | 0.0000 | 0.0000 | 87.672 | 0.28245 | 0.00000 | 316523.1 | 157878.2 | 100632.1 | S |
| 49.450 | 0.0000 | 0.0000 | 87.672 | 0.28240 | 0.00000 | 316523.1 | 157886.6 | 100632.1 | S |
| 49.458 | 0.0000 | 0.0000 | 87.671 | 0.28234 | 0.00000 | 316523.1 | 157895.1 | 100632.1 | S |
| 49.467 | 0.0000 | 0.0000 | 87.671 | 0.28228 | 0.00000 | 316523.1 | 157903.6 | 100632.1 | S |
| 49.475 | 0.0000 | 0.0000 | 87.670 | 0.28222 | 0.00000 | 316523.1 | 157912.0 | 100632.1 | S |
| 49.483 | 0.0000 | 0.0000 | 87.670 | 0.28216 | 0.00000 | 316523.1 | 157920.5 | 100632.1 | S |
| 49.492 | 0.0000 | 0.0000 | 87.670 | 0.28210 | 0.00000 | 316523.1 | 157929.0 | 100632.1 | S |
| 49.500 | 0.0000 | 0.0000 | 87.669 | 0.28204 | 0.00000 | 316523.1 | 157937.4 | 100632.1 | S |
| 49.508 | 0.0000 | 0.0000 | 87.669 | 0.28199 | 0.00000 | 316523.1 | 157945.9 | 100632.1 | S |
| 49.517 | 0.0000 | 0.0000 | 87.669 | 0.28193 | 0.00000 | 316523.1 | 157954.4 | 100632.1 | S |
| 49.525 | 0.0000 | 0.0000 | 87.668 | 0.28187 | 0.00000 | 316523.1 | 157962.8 | 100632.1 | S |
| 49.533 | 0.0000 | 0.0000 | 87.668 | 0.28181 | 0.00000 | 316523.1 | 157971.3 | 100632.1 | S |
| 49.542 | 0.0000 | 0.0000 | 87.667 | 0.28175 | 0.00000 | 316523.1 | 157979.7 | 100632.1 | S |
| 49.550 | 0.0000 | 0.0000 | 87.667 | 0.28169 | 0.00000 | 316523.1 | 157988.2 | 100632.1 | S |
| 49.558 | 0.0000 | 0.0000 | 87.667 | 0.28164 | 0.00000 | 316523.4 | 157996.6 | 100632.1 | S |
| 49.567 | 0.0000 | 0.0000 | 87.666 | 0.28158 | 0.00000 | 316523.1 | 158005.1 | 100632.1 | S |
| 49.575 | 0.0000 | 0.0000 | 87.666 | 0.28152 | 0.00000 | 316523.1 | 158013.5 | 100632.1 | S |
| 49.583 | 0.0000 | 0.0000 | 87.665 | 0.28146 | 0.00000 | 316523.1 | 158022.0 | 100632.1 | S |
| 49.592 | 0.0000 | 0.0000 | 87.665 | 0.28140 | 0.00000 | 376523.1 | 158030.4 | 100632.1 | S |
| 49.600 | 0.0000 | 0.0000 | 87.665 | 0.28134 | 0.00000 | 316523.1 | 158038.8 | 100632.1 | S |
| 49.608 | 0.0000 | 0.0000 | 87.664 | 0.28129 | 0.00000 | 316523.1 | 158047.3 | 100632.1 | S |
| 49.617 | 0.0000 | 0.0000 | 87.664 | 0.28123 | 0.00000 | 316523.1 | 158055.7 | 100632.1 | S |
| 49.625 | 0.0000 | 0.0000 | 87.663 | 0.28117 | 0.00000 | 316523.1 | 158064.2 | 100632.1 | S |
| 49.633 | 0.0000 | 0.0000 | 87.663 | 0.28111 | 0.00000 | 316523.1 | 158072.6 | 100632.1 | S |
| 49.642 | 0.0000 | 0.0000 | 87.663 | 0.28105 | 0.00000 | 316523.1 | 158081.0 | 100632.1 | S |
| 49.650 | 0.0000 | 0.0000 | 87.662 | 0.28100 | 0.00000 | 316523.1 | 158089.5 | 100632.1 | S |
| 49.658 | 0.0000 | 0.0000 | 87.662 | 0.28094 | 0.00000 | 316523.1 | 158097.9 | 100632.1 | S |
| 49.667 | 0.0000 | 0.0000 | 87.661 | 0.28088 | 0.00000 | 316523.1 | 158106.3 | 100632.1 | S |
| 49.675 | 0.0000 | 0.0000 | 87.661 | 0.28082 | 0.00000 | 316523.1 | 158114.7 | 100632.1 | S |
| 49.683 | 0.0000 | 0.0000 | 87.661 | 0.28076 | 0.00000 | 316523.1 | 158123.2 | 100632.1 | S |
| 49.692 | 0.0000 | 0.0000 | 87.660 | 0.28071 | 0.00000 | 316523.1 | 158131.6 | 100632.1 | S |
| 49.700 | 0.0000 | 0.0000 | 87.660 | 0.28065 | 0.00000 | 316523.1 | 158140.0 | 100632.1 | S |
| 49.708 | 0.0000 | 0.0000 | 87.660 | 0.28059 | 0.00000 | 316523.1 | 158148.4 | 100632.1 | S |
| 49.717 | 0.0000 | 0.0000 | 87.659 | 0.28053 | 0.00000 | 316523.1 | 158156.8 | 100632.1 | S |
| 49.725 | 0.0000 | 0.0000 | 87.659 | 0.28047 | 0.00000 | 316523.1 | 158165.3 | 100632.1 | S |
| 49.733 | 0.0000 | 0.0000 | 87.658 | 0.28042 | 0.00000 | 316523.1 | 158173.7 | 100632.1 | S |
| 49.742 | 0.0000 | 0.0000 | 87.658 | 0.28036 | 0.00000 | 316523.1 | 158182.1 | 100632.1 | S |
| 49.750 | 0.0000 | 0.0000 | 87.658 | 0.28030 | 0.00000 | 316523.1 | 158190.5 | 100632.1 | S |
| 49.758 | 0.0000 | 0.0000 | 87.657 | 0.28024 | 0.00000 | 316523.1 | 158198.9 | 100632.1 | S |
| 49.767 | 0.0000 | 0.0000 | 87.657 | 0.28019 | 0.00000 | 316523.1 | 158207.3 | 100632.1 | S |
| 49.775 | 0.0000 | 0.0000 | 87.656 | 0.28013 | 0.00000 | 316523.1 | 158215.7 | 100632.1 | S |
| 49.783 | 0.0000 | 0.0000 | 87.656 | 0.28007 | 0.00000 | 316523.1 | 158224.1 | 100632.1 | S |
| 49.792 | 0.0000 | 0.0000 | 87.656 | 0.28001 | 0.00000 | 316523.1 | 158232.5 | 100632.1 | S |
| 49.800 | 0.0000 | 0.0000 | 87.655 | 0.27995 | 0.00000 | 316523.1 | 158240.9 | 100632.1 | S |
| 49.808 | 0.0000 | 0.0000 | 87.655 | 0.27990 | 0.00000 | 316523.1 | 158249.3 | 100632.1 | S |
| 49.817 | 0.0000 | 0.0000 | 87.654 | 0.27984 | 0.00000 | 316523.1 | 158257.7 | 100632.1 | S |
| 49.825 | 0.0000 | 0.0000 | 87.654 | 0.27978 | 0.00000 | 316523.1 | 158266.1 | 100632.1 | S |
| 49.833 | 0.0000 | 0.0000 | 87.654 | 0.27972 | 0.00000 | 316523.1 | 158274.5 | 100632.1 | S |
| 49.842 | 0.0000 | 0.0000 | 87.653 | 0.27967 | 0.00000 | 316523.1 | 158282.9 | 100632.1 | S |
| 49.850 | 0.0000 | 0.0000 | 87.653 | 0.27961 | 0.00000 | 316523.1 | 158291.3 | 100632.1 | S |
| 49.858 | 0.0000 | 0.0000 | 87.652 | 0.27955 | 0.00000 | 316523.1 | 158299.7 | 100632.1 | S |
| 49.867 | 0.0000 | 0.0000 | 87.652 | 0.27949 | 0.00000 | 316523.1 | 158308.0 | 100632.1 | S |
| 49.875 | 0.0000 | 0.0000 | 87.652 | 0.27944 | 0.00000 | 316523.1 | 158316.4 | 100632.1 | S |
| 49.883 | 0.0000 | 0.0000 | 87.651 | 0.27938 | 0.00000 | 316523.1 | 158324.8 | 100632.1 | S |
| 49.892 | 0.0000 | 0.0000 | 87.651 | 0.27932 | 0.00000 | 316523.1 | 158333.2 | 100632.1 | S |
| 49.900 | 0.0000 | 0.0000 | 87.651 | 0.27926 | 0.00000 | 316523.1 | 158341.6 | 100632.1 | S |
| 49.908 | 0.0000 | 0.0000 | 87.650 | 0.27921 | 0.00000 | 316523.1 | 158350.0 | 100632.1 | S |
| 49.917 | 0.0000 | 0.0000 | 87.650 | 0.27915 | 0.00000 | 316523.1 | 158358.3 | 100632.1 | S |
| 49.925 | 0.0000 | 0.0000 | 87.649 | 0.27909 | 0.00000 | 316523.1 | 158366.7 | 100632.1 | S |
| 49.933 | 0.0000 | 0.0000 | 87.649 | 0.27903 | 0.00000 | 316523.1 | 158375.1 | 100632.1 | S |
| 49.942 | 0.0000 | 0.0000 | 87.649 | 0.27898 | 0.00000 | 316523.1 | 158383.4 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (fl datum) | Infiltration Rate ( $\mathrm{f}^{3 / 1 / 5 \text { ) }) ~}$ | Overflow Discharge (fishs) | Cumulative Inflow Volume ( $\mathrm{t}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 49.950 | 0.0000 | 0.0000 | 87.648 | 0.27892 | 0.00000 | 316523.1 | 158391.8 | 100632.1 | S |
| 49.958 | 0.0000 | 0.0000 | 87.648 | 0.27886 | 0.00000 | 316523.1 | 158400.2 | 100632.1 | S |
| 49.967 | 0.0000 | 0.0000 | 87.647 | 0.27881 | 0.00000 | 316523.1 | 158408.5 | 100632.1 | S |
| 49.975 | 0.0000 | 0.0000 | 87.647 | 0.27875 | 0.00000 | 316523.1 | 158416.9 | 100632.1 | S |
| 49.983 | 0.0000 | 0.0000 | 87.647 | 0.27869 | 0.00000 | 316523.1 | 158425.3 | 100632.1 | S |
| 49.992 | 0.0000 | 0.0000 | 87.646 | 0.27863 | 0.00000 | 316523.1 | 158433.6 | 100632.1 | S |
| 50.000 | 0.0000 | 0.0000 | 87.646 | 0.27858 | 0.00000 | 316523.1 | 158442.0 | 100632.1 | S |
| 50.008 | 0.0000 | 0.0000 | 87.645 | 0.27852 | 0.00000 | 316523.1 | 158450.3 | 100632.1 | S |
| 50.017 | 0.0000 | 0.0000 | 87.645 | 0.27846 | 0.00000 | 316523.1 | 158458.7 | 100632.1 | S |
| 50.025 | 0.0000 | 0.0000 | 87.645 | 0.27840 | 0.00000 | 316523.1 | 158467.0 | 100632.1 | S |
| 50.033 | 0.0000 | 0.0000 | 87.644 | 0.27835 | 0.00000 | 316523.4 | 158475.4 | 100632.1 | S |
| 50.042 | 0.0000 | 0.0000 | 87.644 | 0.27829 | 0.00000 | 316523.1 | 158483.8 | 100632.1 | S |
| 50.050 | 0.0000 | 0.0000 | 87.644 | 0.27823 | 0.00000 | 316523.1 | 158492.1 | 100632.1 | S |
| 50.058 | 0.0000 | 0.0000 | 87.643 | 0.27818 | 0.00000 | 316523.1 | 158500.4 | 100632.1 | S |
| 50.067 | 0.0000 | 0.0000 | 87.643 | 0.27812 | 0.00000 | 316523.1 | 158508.8 | 100632.1 | S |
| 50.075 | 0.0000 | 0.0000 | 87.642 | 0.27806 | 0.00000 | 316523.1 | 158517.1 | 100632.3 | S |
| 50.083 | 0.0000 | 0.0000 | 87.642 | 0.27801 | 0.00000 | 316523.1 | 158525.5 | 100632.1 | S |
| 50.092 | 0.0000 | 0.0000 | 87.642 | 0.27795 | 0.00000 | 316523.1 | 158533.8 | 100632.1 | S |
| 50.100 | 0.0000 | 0.0000 | 87.641 | 0.27789 | 0.00000 | 316523.1 | 158542.1 | 100632.1 | S |
| 50.108 | 0.0000 | 0.0000 | 87.641 | 0.27784 | 0.00000 | 316523.1 | 158550.5 | 100632.1 | S |
| 50.117 | 0.0000 | 0.0000 | 87.640 | 0.27778 | 0.00000 | 316523.1 | 158558.8 | 100632.1 | S |
| 50.125 | 0.0000 | 0.0000 | 87.640 | 0.27772 | 0.00000 | 316523.1 | 158567.1 | 100632.1 | S |
| 50.133 | 0.0000 | 0.0000 | 87.640 | 0.27766 | 0.00000 | 316523.1 | 158575.5 | 100632.1 | S |
| 50.142 | 0.0000 | 0.0000 | 87.639 | 0.27761 | 0.00000 | 316523.1 | 158583.8 | 100632.1 | S |
| 50.150 | 0.0000 | 0.0000 | 87.639 | 0.27755 | 0.00000 | 316523.1 | 158592.1 | 100632.1 | S |
| 50.158 | 0.0000 | 0.0000 | 87.638 | 0.27749 | 0.00000 | 316523.1 | 158600.5 | 100632.7 | S |
| 50.167 | 0.0000 | 0.0000 | 87.638 | 0.27744 | 0.00000 | 316523.1 | 158608.8 | 100632.1 | S |
| 50.175 | 0.0000 | 0.0000 | 87.638 | 0.27738 | 0.00000 | 316523.1 | 158617.1 | 100632.1 | S |
| 50.183 | 0.0000 | 0.0000 | 87.637 | 0.27732 | 0.00000 | 316523.1 | 158625.4 | 100632.1 | S |
| 50.192 | 0.0000 | 0.0000 | 87.637 | 0.27727 | 0.00000 | 316523.1 | 158633.8 | 100632.1 | S |
| 50.200 | 0.0000 | 0.0000 | 87.637 | 0.27721 | 0.00000 | 316523.1 | 158642.1 | 100632.1 | S |
| 50.208 | 0.0000 | 0.0000 | 87.636 | 0.27715 | 0.00000 | 316523.1 | 158650.4 | 100632.1 | S |
| 50.217 | 0.0000 | 0.0000 | 87.636 | 0.27710 | 0.00000 | 316523.1 | 158658.7 | 100632.1 | S |
| 50.225 | 0.0000 | 0.0000 | 87.635 | 0.27704 | 0.00000 | 316523.1 | 158667.0 | 100632.1 | S |
| 50.233 | 0.0000 | 0.0000 | 87.635 | 0.27698 | 0.00000 | 316523.1 | 158675.3 | 100632.1 | S |
| 50.242 | 0.0000 | 0.0000 | 87.635 | 0.27693 | 0.00000 | 316523.1 | 158683.6 | 100632.1 | S |
| 50.250 | 0.0000 | 0.0000 | 87.634 | 0.27687 | 0.00000 | 316523.1 | 158691.9 | 100632.1 | S |
| 50.258 | 0.0000 | 0.0000 | 87.634 | 0.27681 | 0.00000 | 316523.1 | 158700.2 | 100632.1 | S |
| 50.267 | 0.0000 | 0.0000 | 87.633 | 0.27676 | 0.00000 | 316523.1 | 158708.5 | 100632.1 | S |
| 50.275 | 0.0000 | 0.0000 | 87.633 | 0.27670 | 0.00000 | 316523.1 | 158716.8 | 100632.1 | S |
| 50.283 | 0.0000 | 0.0000 | 87.633 | 0.27665 | 0.00000 | 316523.1 | 158725.1 | 100632.1 | S |
| 50.292 | 0.0000 | 0.0000 | 87.632 | 0.27659 | 0.00000 | 316523.1 | 158733.4 | 100632.1 | S |
| 50.300 | 0.0000 | 0.0000 | 87.632 | 0.27653 | 0.00000 | 316523.1 | 158741.7 | 100632.1 | S |
| 50.308 | 0.0000 | 0.0000 | 87.631 | 0.27648 | 0.00000 | 316523.1 | 158750.0 | 100632.1 | S |
| 50.317 | 0.0000 | 0.0000 | 87.631 | 0.27642 | 0.00000 | 316523.1 | 158758.3 | 100632.1 | S |
| 50.325 | 0.0000 | 0.0000 | 87.631 | 0.27636 | 0.00000 | 316523.1 | 158766.6 | 100632.1 | S |
| 50.333 | 0.0000 | 0.0000 | 87.630 | 0.27631 | 0.00000 | 316523.1 | 158774.9 | 100632.1 | S |
| 50.342 | 0.0000 | 0.0000 | 87.630 | 0.27625 | 0.00000 | 316523.1 | 158783.2 | 100632.1 | S |
| 50.350 | 0.0000 | 0.0000 | 87.630 | 0.27619 | 0.00000 | 316523.1 | 158791.5 | 100632.1 | S |
| 50.358 | 0.0000 | 0.0000 | 87.629 | 0.27614 | 0.00000 | 316523.1 | 158799.8 | 100632.1 | S |
| 50.367 | 0.0000 | 0.0000 | 87.629 | 0.27608 | 0.00000 | 316523.1 | 158808.0 | 100632.1 | S |
| 50.375 | 0.0000 | 0.0000 | 87.628 | 0.27603 | 0.00000 | 316523.1 | 158816.3 | 100632.1 | S |
| 50.383 | 0.0000 | 0.0000 | 87.628 | 0.27597 | 0.00000 | 316523.1 | 158824.6 | 100632.1 | S |
| 50.392 | 0.0000 | 0.0000 | 87.628 | 0.27591 | 0.00000 | 316523.1 | 158832.9 | 100632.1 | S |
| 50.400 | 0.0000 | 0.0000 | 87.627 | 0.27586 | 0.00000 | 316523.1 | 158841.2 | 100632.1 | S |
| 50.408 | 0.0000 | 0.0000 | 87.627 | 0.27580 | 0.00000 | 316523.1 | 158849.4 | 100632.1 | S |
| 50.417 | 0.0000 | 0.0000 | 87.626 | 0.27575 | 0.00000 | 316523.1 | 158857.7 | 100632.1 | S |
| 50.425 | 0.0000 | 0.0000 | 87.626 | 0.27569 | 0.00000 | 316523.1 | 158866.0 | 100632.1 | S |
| 50.433 | 0.0000 | 0.0000 | 87.626 | 0.27563 | 0.00000 | 316523.1 | 158874.3 | 700632.1 | S |
| 50.442 | 0.0000 | 0.0000 | 87.625 | 0.27558 | 0.00000 | 316523.1 | 158882.5 | 100632.1 | S |
| 50.450 | 0.0000 | 0.0000 | 87.625 | 0.27552 | 0.00000 | 316523.1 | 158890.8 | 100632.1 | S |
| 50.458 | 0.0000 | 0.0000 | 87.625 | 0.27547 | 0.00000 | 316523.1 | 158899.1 | 100632.1 | S |
| 50.467 | 0.0000 | 0.0000 | 87.624 | 0.27541 | 0.00000 | 316523.1 | 158907.3 | 100632.1 | S |
| 50.475 | 0.0000 | 0.0000 | 87.624 | 0.27535 | 0.00000 | 316523.1 | 158915.6 | 100632.1 | S |
| 50.483 | 0.0000 | 0.0000 | 87.623 | 0.27530 | 0.00000 | 316523.1 | 158923.8 | 100632.1 | S |
| 50.492 | 0.0000 | 0.0000 | 87.623 | 0.27524 | 0.00000 | 316523.1 | 158932.1 | 100632.1 | S |
| 50.500 | 0.0000 | 0.0000 | 87.623 | 0.27519 | 0.00000 | 316523.1 | 158940.4 | 100632.1 | S |
| 50.508 | 0.0000 | 0.0000 | 87.622 | 0.27513 | 0.00000 | 316523.1 | 158948.6 | 100632.1 | S |
| 50.517 | 0.0000 | 0.0000 | 87.622 | 0.27507 | 0.00000 | 316523.1 | 158956.9 | 100632.1 | S |
| 50.525 | 0.0000 | 0.0000 | 87.621 | 0.27502 | 0.00000 | 316523.1 | 158965.1 | 100632.1 | S |
| 50.533 | 0.0000 | 0.0000 | 87.621 | 0.27496 | 0.00000 | 316523.1 | \$58973.4 | 100632.1 | S |
| 50.542 | 0.0000 | 0.0000 | 87.621 | 0.27491 | 0.00000 | 316523.1 | 158981.6 | 100632.1 | S |
| 50.550 | 0.0000 | 0.0000 | 87.620 | 0.27485 | 0.00000 | 316523.1 | 158989.9 | 100632.1 | S |
| 50.558 | 0.0000 | 0.0000 | 87.620 | 0.27479 | 0.00000 | 316523.1 | 158998.1 | 100632.1 | S |

PONDS Version 3.2.0207

# Retention Pond Recovery - Refined Method Copyright 2003 

Devo Seereeram, Ph.D., P.E.

## Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Outside Recharge ( $1 /$ /day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{f}^{3}$ ) | Cumulative infiltration Volume ( $f^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 50.567 | 0.0000 | 0.0000 | 87.620 | 0.27474 | 0.00000 | 316523.1 | 159006.3 | 100632.1 | S |
| 50.575 | 0.0000 | 0.0000 | 87.619 | 0.27468 | 0.00000 | 316523.1 | 159014.6 | 100632.1 | S |
| 50.583 | 0.0000 | 0.0000 | 87.619 | 0.27463 | 0.00000 | 316523.1 | 159022.8 | 100632.1 | S |
| 50.592 | 0.0000 | 0.0000 | 87.618 | 0.27457 | 0.00000 | 316523.1 | 159031.1 | 100632.1 | S |
| 50.600 | 0.0000 | 0.0000 | 87.618 | 0.27452 | 0.00000 | 316523.1 | 159039.3 | 100632.1 | S |
| 50.608 | 0.0000 | 0.0000 | 87.618 | 0.27446 | 0.00000 | 316523.1 | 159047.5 | 100632.1 | S |
| 50.617 | 0.0000 | 0.0000 | 87.617 | 0.27440 | 0.00000 | 316523.1 | 159055.8 | 100632.1 | S |
| 50.625 | 0.0000 | 0.0000 | 87.617 | 0.27435 | 0.00000 | 316523.1 | 159064.0 | 100632.1 | S |
| 50.633 | 0.0000 | 0.0000 | 87.616 | 0.27429 | 0.00000 | 316523.1 | 159072.2 | 100632.1 | S |
| 50.642 | 0.0000 | 0.0000 | 87.616 | 0.27424 | 0.00000 | 316523.1 | 159080.5 | 100632.1 | S |
| 50.650 | 0.0000 | 0.0000 | 87.616 | 0.27418 | 0.00000 | 316523.1 | 159088.7 | 100632.1 | S |
| 50.658 | 0.0000 | 0.0000 | 87.615 | 0.27413 | 0.00000 | 316523.1 | 159096.9 | 100632.1 | S |
| 50.667 | 0.0000 | 0.0000 | 87.615 | 0.27407 | 0.00000 | 316523.1 | 159105.1 | 100632.1 | S |
| 50.675 | 0.0000 | 0.0000 | 87.615 | 0.27402 | 0.00000 | 316523.1 | 159113.4 | 100632.1 | S |
| 50.683 | 0.0000 | 0.0000 | 87.614 | 0.27396 | 0.00000 | 316523.1 | 159121.6 | 100632.1 | S |
| 50.692 | 0.0000 | 0.0000 | 87.614 | 0.27391 | 0.00000 | 316523.1 | 159129.8 | 100632.1 | S |
| 50.700 | 0.0000 | 0.0000 | 87.613 | 0.27385 | 0.00000 | 316523.1 | 159138.0 | 100632.1 | S |
| 50.708 | 0.0000 | 0.0000 | 87.613 | 0.27379 | 0.00000 | 316523.1 | 159146.2 | 100632.1 | S |
| 50.717 | 0.0000 | 0.0000 | 87.613 | 0.27374 | 0.00000 | 316523.1 | 159154.4 | 100632.1 | S |
| 50.725 | 0.0000 | 0.0000 | 87.612 | 0.27368 | 0.00000 | 316523.1 | 159162.6 | 100632.1 | S |
| 50.733 | 0.0000 | 0.0000 | 87.612 | 0.27363 | 0.00000 | 316523.1 | 159170.9 | 100632.1 | S |
| 50.742 | 0.0000 | 0.0000 | 87.611 | 0.27357 | 0.00000 | 316523.1 | 159179.1 | 100632.1 | S |
| 50.750 | 0.0000 | 0.0000 | 87.611 | 0.27352 | 0.00000 | 316523.1 | 159187.3 | 100632.1 | S |
| 50.758 | 0.0000 | 0.0000 | 87.611 | 0.27346 | 0.00000 | 316523.1 | 159195.5 | 100632.1 | S |
| 50.767 | 0.0000 | 0.0000 | 87.610 | 0.27341 | 0.00000 | 316523.1 | 159203.7 | 100632.1 | S |
| 50.775 | 0.0000 | 0.0000 | 87.610 | 0.27335 | 0.00000 | 316523.1 | 159211.9 | 100632.1 | S |
| 50.783 | 0.0000 | 0.0000 | 87.610 | 0.27330 | 0.00000 | 316523.1 | 159220.1 | 100632.1 | S |
| 50.792 | 0.0000 | 0.0000 | 87.609 | 0.27324 | 0.00000 | 316523.1 | 159228.3 | 100632.1 | S |
| 50.800 | 0.0000 | 0.0000 | 87.609 | 0.27319 | 0.00000 | 316523.1 | 159236.5 | 100632.1 | S |
| 50.808 | 0.0000 | 0.0000 | 87.608 | 0.27313 | 0.00000 | 316523.1 | 159244.7 | 100632.1 | S |
| 50.817 | 0.0000 | 0.0000 | 87.608 | 0.27308 | 0.00000 | 316523.1 | 159252.9 | 100632.1 | S |
| 50.825 | 0.0000 | 0.0000 | 87.608 | 0.27302 | 0.00000 | 316523.1 | 159261.0 | 100632.1 | S |
| 50.833 | 0.0000 | 0.0000 | 87.607 | 0.27297 | 0.00000 | 316523.1 | 159269.3 | 100632.1 | S |
| 50.842 | 0.0000 | 0.0000 | 87.607 | 0.27291 | 0.00000 | 316523.1 | 159277.4 | 100632.1 | S |
| 50.850 | 0.0000 | 0.0000 | 87.606 | 0.27286 | 0.00000 | 316523.1 | 159285.6 | 100632.1 | S |
| 50.858 | 0.0000 | 0.0000 | 87.606 | 0.27280 | 0.00000 | 316523.1 | 159293.8 | 100632.1 | S |
| 50.867 | 0.0000 | 0.0000 | 87.606 | 0.27275 | 0.00000 | 316523.1 | 159302.0 | 100632.1 | S |
| 50.875 | 0.0000 | 0.0000 | 87.605 | 0.27269 | 0.00000 | 316523.1 | 159310.2 | 100632.1 | S |
| 50.883 | 0.0000 | 0.0000 | 87.605 | 0.27264 | 0.00000 | 316523.1 | 159318.3 | 100632.1 | S |
| 50.892 | 0.0000 | 0.0000 | 87.605 | 0.27258 | 0.00000 | 3 ¢6523.1 | 159326.5 | 100632.1 | S |
| 50.800 | 0.0000 | 0.0000 | 87.604 | 0.27253 | 0.00000 | 316523.1 | 159334.7 | 100632.1 | S |
| 50.908 | 0.0000 | 0.0000 | 87.604 | 0.27247 | 0.00000 | 316523.1 | 159342.9 | 100632.1 | S |
| 50.917 | 0.0000 | 0.0000 | 87.603 | 0.27242 | 0.00000 | 316523.1 | 159351.0 | 100632.1 | S |
| 50.925 | 0.0000 | 0.0000 | 87.603 | 0.27236 | 0.00000 | 316523.1 | 159359.2 | 100632.1 | S |
| 50.933 | 0.0000 | 0.0000 | 87.603 | 0.27231 | 0.00000 | 316523.1 | 159367.4 | 100632.1 | S |
| 50.942 | 0.0000 | 0.0000 | 87.602 | 0.27225 | 0.00000 | 316523.1 | 159375.6 | 100632.1 | S |
| 50.950 | 0.0000 | 0.0000 | 87.602 | 0.27220 | 0.00000 | 316523.1 | 159383.7 | 100632.1 | S |
| 50.958 | 0.0000 | 0.0000 | 87.601 | 0.27214 | 0.00000 | 316523.1 | 159391.9 | 100632.1 | S |
| 50.967 | 0.0000 | 0.0000 | 87.601 | 0.27209 | 0.00000 | 316523.1 | 159400.1 | 100632.1 | S |
| 50.975 | 0.0000 | 0.0000 | 87.601 | 0.27203 | 0.00000 | 316523.1 | 159408.2 | 100632.1 | S |
| 50.983 | 0.0000 | 0.0000 | 87.600 | 0.27198 | 0.00000 | 316523.1 | 159416.4 | 100632.1 | S |
| 50.992 | 0.0000 | 0.0000 | 87.600 | 0.27192 | 0.00000 | 316523.1 | 159424.5 | 100632.1 | S |
| 51.000 | 0.0000 | 0.0000 | 87.600 | 0.27187 | 0.00000 | 316523.1 | 159432.7 | 100632.1 | S |
| 51.008 | 0.0000 | 0.0000 | 87.599 | 0.27181 | 0.00000 | 316523.1 | 159440.8 | 100632.1 | S |
| 51.017 | 0.0000 | 0.0000 | 87.599 | 0.27176 | 0.00000 | 316523.1 | 159449.0 | 100632.1 | S |
| 51.025 | 0.0000 | 0.0000 | 87.598 | 0.27171 | 0.00000 | 316523.1 | 159457.2 | 100632.1 | S |
| 51.033 | 0.0000 | 0.0000 | 87.598 | 0.27165 | 0.00000 | 316523.1 | 159465.3 | 100632.1 | S |
| 51.042 | 0.0000 | 0.0000 | 87.598 | 0.27160 | 0.00000 | 316523.1 | 159473.5 | 100632.1 | S |
| 51.050 | 0.0000 | 0.0000 | 87.597 | 0.27154 | 0.00000 | 316523.1 | 159481.6 | 100632.1 | S |
| 51.058 | 0.0000 | 0.0000 | 87.597 | 0.27149 | 0.00000 | 316523.1 | 159489.8 | 100632.1 | S |
| 51.067 | 0.0000 | 0.0000 | 87.596 | 0.27143 | 0.00000 | 316523.1 | 159497.9 | 100632.1 | S |
| 51.075 | 0.0000 | 0.0000 | 87.596 | 0.27138 | 0.00000 | 316523.1 | 159506.0 | 100632.1 | S |
| 51.083 | 0.0000 | 0.0000 | 87.596 | 0.27132 | 0.00000 | 316523.1 | 159514.2 | 100632.1 | S |
| 51.092 | 0.0000 | 0.0000 | 87.595 | 0.27127 | 0.00000 | 316523.1 | 159522.3 | 100632.1 | S |
| 51.100 | 0.0000 | 0.0000 | 87.595 | 0.27121 | 0.00000 | 316523.1 | 159530.5 | 100632.1 | S |
| 51.108 | 0.0000 | 0.0000 | 87.595 | 0.27116 | 0.00000 | 316523.1 | 159538.6 | 100632.1 | S |
| 51.117 | 0.0000 | 0.0000 | 87.594 | 0.27111 | 0.00000 | 316523.1 | 159546.7 | 100632.1 | S |
| 51.125 | 0.0000 | 0.0000 | 87.594 | 0.27105 | 0.00000 | 316523.1 | 159554.8 | 100632.1 | S |
| 51.133 | 0.0000 | 0.0000 | 87.593 | 0.27100 | 0.00000 | 316523.1 | 159563.0 | 100632.1 | S |
| 51.142 | 0.0000 | 0.0000 | 87.593 | 0.27094 | 0.00000 | 316523.1 | 159571.1 | 100632.1 | S |
| 51.150 | 0.0000 | 0.0000 | 87.593 | 0.27089 | 0.00000 | 316523.1 | 159579.2 | 100632.1 | S |
| 51.158 | 0.0000 | 0.0000 | 87.592 | 0.27083 | 0.00000 | 316523.1 | 159587.4 | 100632.1 | S |
| 51.167 | 0.0000 | 0.0000 | 87.592 | 0.27078 | 0.00000 | 316523.1 | 159595.5 | 100632.1 | S |
| 51.175 | 0.0000 | 0.0000 | 87.592 | 0.27073 | 0.00000 | 316523.1 | 159603.6 | 100632.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

## Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / 5}$ ) | Outside Recharge ( $\mathrm{F} / \mathrm{day}$ ) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Votume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 51.183 | 0.0000 | 0.0000 | 87.591 | 0.27067 | 0.00000 | 316523.1 | 159611.7 | 100632.1 | S |
| 51.192 | 0.0000 | 0.0000 | 87.591 | 0.27062 | 0.00000 | 316523.1 | 159619.8 | 100632.1 | S |
| 51.200 | 0.0000 | 0.0000 | 87.590 | 0.27056 | 0.00000 | 316523.1 | 159628.0 | 100632.1 | S |
| 51.208 | 0.0000 | 0.0000 | 87.590 | 0.27051 | 0.00000 | 316523.1 | 159636.1 | 100632.1 | S |
| 51.217 | 0.0000 | 0.0000 | 87.590 | 0.27045 | 0.00000 | 316523.1 | 159644.2 | 100632.1 | S |
| 51.225 | 0.0000 | 0.0000 | 87.589 | 0.27040 | 0.00000 | 316523.1 | 159652.3 | 100632.1 | S |
| 51.233 | 0.0000 | 0.0000 | 87.589 | 0.27035 | 0.00000 | 316523.1 | 159660.4 | 100632.1 | S |
| 51.242 | 0.0000 | 0.0000 | 87.588 | 0.27029 | 0.00000 | 316523.1 | 159668.5 | 100632.1 | S |
| 51.250 | 0.0000 | 0.0000 | 87.588 | 0.27024 | 0.00000 | 316523.1 | 159676.6 | 100632.1 | S |
| 51.258 | 0.0000 | 0.0000 | 87.588 | 0.27018 | 0.00000 | 316523.1 | 159684.8 | 100632.1 | S |
| 51.267 | 0.0000 | 0.0000 | 87.587 | 0.27013 | 0.00000 | 316523.1 | 159692.8 | 100632.1 | S |
| 51.275 | 0.0000 | 0.0000 | 87.587 | 0.27008 | 0.00000 | 316523.1 | 159701.0 | 100632.1 | S |
| 51.283 | 0.0000 | 0.0000 | 87.587 | 0.27002 | 0.00000 | 316523.1 | 159709.1 | 100632.1 | S |
| 51.292 | 0.0000 | 0.0000 | 87.586 | 0.26997 | 0.00000 | 316523.1 | 159717.2 | 100632.1 | S |
| 51.300 | 0.0000 | 0.0000 | 87.586 | 0.26991 | 0.00000 | 316523.1 | 159725.3 | 100632.1 | S |
| 51.308 | 0.0000 | 0.0000 | 87.585 | 0.26986 | 0.00000 | 316523.1 | 159733.3 | 100632.1 | S |
| 51.317 | 0.0000 | 0.0000 | 87.585 | 0.26981 | 0.00000 | 316523.1 | 159741.4 | 100632.1 | S |
| 51.325 | 0.0000 | 0.0000 | 87.585 | 0.26975 | 0.00000 | 316523.1 | 159749.5 | 100632.1 | S |
| 51.333 | 0.0000 | 0.0000 | 87.584 | 0.26970 | 0.00000 | 316523.1 | 159757.6 | 100632.1 | S |
| 51.342 | 0.0000 | 0.0000 | 87.584 | 0.26964 | 0.00000 | 316523.1 | 159765.7 | 100632.1 | S |
| 51.350 | 0.0000 | 0.0000 | 87.584 | 0.26959 | 0.00000 | 316523.1 | 159773.8 | 100632.1 | S |
| 51.358 | 0.0000 | 0.0000 | 87.583 | 0.26954 | 0.00000 | 316523.1 | 159781.9 | 100632.1 | S |
| 51.367 | 0.0000 | 0.0000 | 87.583 | 0.26948 | 0.00000 | 316523.1 | 159790.0 | 100632.1 | S |
| 51.375 | 0.0000 | 0.0000 | 87.582 | 0.26943 | 0.00000 | 316523.1 | 159798.1 | 100632.1 | S |
| 51.383 | 0.0000 | 0.0000 | 87.582 | 0.26938 | 0.00000 | 316523.1 | 159806.1 | 100632.1 | S |
| 51.392 | 0.0000 | 0.0000 | 87.582 | 0.26932 | 0.00000 | 316523.1 | 159814.2 | 100632.1 | S |
| 51.400 | 0.0000 | 0.0000 | 87.581 | 0.26927 | 0.00000 | 316523.1 | 159822.3 | 100632.1 | S |
| 51.408 | 0.0000 | 0.0000 | 87.581 | 0.26921 | 0.00000 | 316523.1 | 159830.4 | 100632.1 | S |
| 51.417 | 0.0000 | 0.0000 | 87.580 | 0.26916 | 0.00000 | 316523.1 | 159838.5 | 100632.1 | S |
| 51.425 | 0.0000 | 0.0000 | 87.580 | 0.26911 | 0.00000 | 316523.1 | 159846.5 | 100632.1 | S |
| 51.433 | 0.0000 | 0.0000 | 87.580 | 0.26905 | 0.00000 | 316523.1 | 159854.6 | 100632.1 | S |
| 51.442 | 0.0000 | 0.0000 | 87.579 | 0.26900 | 0.00000 | 316523.1 | 159862.7 | 100632.1 | S |
| 51.450 | 0.0000 | 0.0000 | 87.579 | 0.26895 | 0.00000 | 316523.1 | 159870.8 | 100632.4 | S |
| 51.458 | 0.0000 | 0.0000 | 87.579 | 0.26889 | 0.00000 | 316523.1 | 159878.8 | 100632.1 | S |
| 51.467 | 0.0000 | 0.0000 | 87.578 | 0.26884 | 0.00000 | 316523.1 | 159886.9 | 100632.1 | S |
| 51.475 | 0.0000 | 0.0000 | 87.578 | 0.26879 | 0.00000 | 316523.1 | 159894.9 | 100632.1 | S |
| 51.483 | 0.0000 | 0.0000 | 87.577 | 0.26873 | 0.00000 | 316523.1 | 159903.0 | 100632.1 | S |
| 51.492 | 0.0000 | 0.0000 | 87.577 | 0.26868 | 0.00000 | 316523.1 | 159911.1 | 100632.1 | S |
| 51.500 | 0.0000 | 0.0000 | 87.577 | 0.26862 | 0.00000 | 316523.1 | 159919.1 | 100632.1 | S |
| 51.508 | 0.0000 | 0.0000 | 87.576 | 0.26857 | 0.00000 | 316523.1 | 159927.2 | 100632.1 | S |
| 51.517 | 0.0000 | 0.0000 | 87.576 | 0.26852 | 0.00000 | 316523.1 | 159935.2 | 100632.1 | S |
| 51.525 | 0.0000 | 0.0000 | 87.576 | 0.26846 | 0.00000 | 316523.1 | 159943.3 | 100632.1 | S |
| 51.533 | 0.0000 | 0.0000 | 87.575 | 0.26841 | 0.00000 | 316523.1 | 159951.3 | 100632.1 | S |
| 51.542 | 0.0000 | 0.0000 | 87.575 | 0.26836 | 0.00000 | 316523.1 | 159959.4 | 100632.1 | S |
| 51.550 | 0.0000 | 0.0000 | 87.574 | 0.26830 | 0.00000 | 316523.1 | 159967.5 | 100632.1 | S |
| 51.558 | 0.0000 | 0.0000 | 87.574 | 0.26825 | 0.00000 | 316523.1 | 159975.5 | 100632.1 | S |
| 51.567 | 0.0000 | 0.0000 | 87.574 | 0.26820 | 0.00000 | 316523.1 | 159983.5 | 100632.1 | S |
| 51.575 | 0.0000 | 0.0000 | 87.573 | 0.26814 | 0.00000 | 316523.1 | 159991.6 | 100632.1 | S |
| 51.583 | 0.0000 | 0.0000 | 87.573 | 0.26809 | 0.00000 | 316523.1 | 159999.6 | 100632.1 | S |
| 51.592 | 0.0000 | 0.0000 | 87.573 | 0.26804 | 0.00000 | 316523.1 | 160007.7 | 100632.1 | S |
| 51.600 | 0.0000 | 0.0000 | 87.572 | 0.26798 | 0.00000 | 316523.1 | 160015.7 | 100632.1 | S |
| 51.608 | 0.0000 | 0.0000 | 87.572 | 0.26793 | 0.00000 | 316523.1 | 160023.8 | 100632.1 | S |
| 51.617 | 0.0000 | 0.0000 | 87.571 | 0.26788 | 0.00000 | 316523.1 | 160031.8 | 100632.1 | S |
| 51.625 | 0.0000 | 0.0000 | 87.571 | 0.26782 | 0.00000 | 316523.1 | 160039.8 | 100632.1 | S |
| 51.633 | 0.0000 | 0.0000 | 87.571 | 0.26777 | 0.00000 | 316523.1 | 160047.9 | 100632.1 | S |
| 51.642 | 0.0000 | 0.0000 | 87.570 | 0.26772 | 0.00000 | 316523.1 | 160055.9 | 100632.1 | S |
| 51.650 | 0.0000 | 0.0000 | 87.570 | 0.26766 | 0.00000 | 316523.1 | 160063.9 | 100632.1 | S |
| 51.658 | 0.0000 | 0.0000 | 87.570 | 0.26761 | 0.00000 | 316523.1 | 160072.0 | 100632.1 | S |
| 51.667 | 0.0000 | 0.0000 | 87.569 | 0.26756 | 0.00000 | 316523.1 | 160080.0 | 100632.1 | S |
| 51.675 | 0.0000 | 0.0000 | 87.569 | 0.26751 | 0.00000 | 316523.1 | 160088.0 | 100632.1 | S |
| 51.683 | 0.0000 | 0.0000 | 87.568 | 0.26745 | 0.00000 | 316523.1 | 160096.0 | 100632.1 | S |
| 51.692 | 0.0000 | 0.0000 | 87.568 | 0.26740 | 0.00000 | 316523.1 | 160104.0 | 100632.1 | S |
| 51.700 | 0.0000 | 0.0000 | 87.568 | 0.26735 | 0.00000 | 316523.1 | 160112.1 | 100632.1 | S |
| 51.708 | 0.0000 | 0.0000 | 87.567 | 0.26729 | 0.00000 | 316523.1 | 160120.1 | 100632.1 | S |
| 51.717 | 0.0000 | 0.0000 | 87.567 | 0.26724 | 0.00000 | 316523.1 | 160128.1 | 100632.1 | S |
| 51.725 | 0.0000 | 0.0000 | 87.566 | 0.26719 | 0.00000 | 316523.1 | 160136.1 | 100632.1 | S |
| 51.733 | 0.0000 | 0.0000 | 87.566 | 0.26713 | 0.00000 | 316523.1 | 160144.1 | 100632.1 | S |
| 51.742 | 0.0000 | 0.0000 | 87.566 | 0.26708 | 0.00000 | 316523.1 | 160152.2 | 100632.1 | S |
| 51.750 | 0.0000 | 0.0000 | 87.565 | 0.26703 | 0.00000 | 316523.1 | 160160.2 | 100632.1 | S |
| 51.758 | 0.0000 | 0.0000 | 87.565 | 0.26698 | 0.00000 | 316523.1 | 160168.2 | 100632.1 | S |
| 51.767 | 0.0000 | 0.0000 | 87.565 | 0.26692 | 0.00000 | 316523.1 | 160176.2 | 100632.1 | S |
| 51.775 | 0.0000 | 0.0000 | 87.564 | 0.26687 | 0.00000 | 316523.1 | 160184.2 | 100632.1 | S |
| 51.783 | 0.0000 | 0.0000 | 87.564 | 0.26682 | 0.00000 | 316523.1 | 160192.2 | \{00632.1 | S |
| 51.792 | 0.0000 | 0.0000 | 87.563 | 0.26676 | 0.00000 | 316523.1 | 160200.2 | 100632.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:. Scenario 1
$\because$ pond10 100 yr $/ 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( ft / s ) | Outside Recharge (tt/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overfiow Discharge ( $\left.f^{3} / \mathrm{s}\right)$ | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumutative Enfiltration Volume (ft ${ }^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 51.800 | 0.0000 | 0.0000 | 87.563 | 0.26671 | 0.00000 | 316523.1 | 160208.2 | 100632.1 | S |
| 51.808 | 0.0000 | 0.0000 | 87.563 | 0.26666 | 0.00000 | 316523.1 | 160216.2 | 100632.1 | S |
| 51.817 | 0.0000 | 0.0000 | 87.562 | 0.26661 | 0.00000 | 316523.1 | 160224.2 | 100632.4 | S |
| 51.825 | 0.0000 | 0.0000 | 87.562 | 0.26655 | 0.00000 | 316523.1 | 160232.2 | 100632.1 | S |
| 51.833 | 0.0000 | 0.0000 | 87.562 | 0.26650 | 0.00000 | 316523.1 | 160240.2 | 100632.1 | S |
| 51.842 | 0.0000 | 0.0000 | 87.561 | 0.26645 | 0.00000 | 316523.1 | 160248.2 | 100632.1 | S |
| 51.850 | 0.0000 | 0.0000 | 87.561 | 0.26640 | 0.00000 | 316523.1 | 160256.2 | 100632.1 | S |
| 51.858 | 0.0000 | 0.0000 | 87.560 | 0.26634 | 0.00000 | 316523.1 | 160264.2 | 100632.1 | S |
| 51.867 | 0.0000 | 0.0000 | 87.560 | 0.26629 | 0.00000 | 316523.1 | 160272.2 | 100632.1 | S |
| 51.875 | 0.0000 | 0.0000 | 87.560 | 0.26624 | 0.00000 | 316523.1 | 160280.2 | 100632.1 | S |
| 51.883 | 0.0000 | 0.0000 | 87.559 | 0.26618 | 0.00000 | 316523.1 | 160288.1 | 100632.1 | S |
| 51.892 | 0.0000 | 0.0000 | 87.559 | 0.26613 | 0.00000 | 316523.1 | 160296.1 | 100632.1 | S |
| 51.900 | 0.0000 | 0.0000 | 87.559 | 0.26608 | 0.00000 | 316523.1 | 160304.1 | 100632.1 | S |
| 51.908 | 0.0000 | 0.0000 | 87.558 | 0.26603 | 0.00000 | 316523.1 | 160312.1 | 100632.1 | S |
| 51.917 | 0.0000 | 0.0000 | 87.558 | 0.26597 | 0.00000 | 316523.1 | 160320.1 | 100632.1 | S |
| 51.925 | 0.0000 | 0.0000 | 87.557 | 0.26592 | 0.00000 | 316523.1 | 160328.0 | 100632.1 | S |
| 51.933 | 0.0000 | 0.0000 | 87.557 | 0.26587 | 0.00000 | 316523.1 | 160336.0 | 100632.1 | S |
| 51.942 | 0.0000 | 0.0000 | 87.557 | 0.26582 | 0.00000 | 316523.1 | 160344.0 | 100632.1 | S |
| 51.950 | 0.0000 | 0.0000 | 87.556 | 0.26576 | 0.00000 | 316523.1 | 160352.0 | 100632.1 | S |
| 51.958 | 0.0000 | 0.0000 | 87.556 | 0.26571 | 0.00000 | 316523.1 | 160360.0 | 100632.1 | S |
| 51.967 | 0.0000 | 0.0000 | 87.556 | 0.26566 | 0.00000 | 316523.1 | 160367.9 | 100632.1 | S |
| 51.975 | 0.0000 | 0.0000 | 87.555 | 0.26561 | 0.00000 | 316523.1 | 160375.9 | 100632.1 | S |
| 51.983 | 0.0000 | 0.0000 | 87.555 | 0.26555 | 0.00000 | 316523.1 | 160383.9 | 100632.1 | S |
| 51.992 | 0.0000 | 0.0000 | 87.554 | 0.26550 | 0.00000 | 316523.1 | 160391.8 | 100632.1 | S |
| 52.000 | 0.0000 | 0.0000 | 87.554 | 0.26545 | 0.00000 | 316523.1 | 160399.8 | 100632.1 | S |
| 52.008 | 0.0000 | 0.0000 | 87.554 | 0.26540 | 0.00000 | 316523.1 | 160407.8 | 100632.1 | S |
| 52.017 | 0.0000 | 0.0000 | 87.553 | 0.26535 | 0.00000 | 316523.1 | 160415.7 | 100632.1 | S |
| 52.025 | 0.0000 | 0.0000 | 87.553 | 0.26529 | 0.00000 | 316523.1 | 160423.7 | 100632.1 | S |
| 52.033 | 0.0000 | 0.0000 | 87.553 | 0.26524 | 0.00000 | 316523.1 | 160431.6 | 100632.1 | S |
| 52.042 | 0.0000 | 0.0000 | 87.552 | 0.26519 | 0.00000 | 316523.1 | 160439.6 | 100632.1 | S |
| 52.050 | 0.0000 | 0.0000 | 87.552 | 0.26514 | 0.00000 | 316523.1 | 160447.5 | 100632.1 | S |
| 52.058 | 0.0000 | 0.0000 | 87.551 | 0.26508 | 0.00000 | 316523.1 | 160455.5 | 100632.1 | S |
| 52.067 | 0.0000 | 0.0000 | 87.551 | 0.26503 | 0.00000 | 316523.1 | 160463.4 | 100632.1 | S |
| 52.075 | 0.0000 | 0.0000 | 87.551 | 0.26498 | 0.00000 | 316523.1 | 160471.4 | 100632.1 | S |
| 52.083 | 0.0000 | 0.0000 | 87.550 | 0.26493 | 0.00000 | 316523.1 | 160479.3 | 100632.1 | S |
| 52.092 | 0.0000 | 0.0000 | 87.550 | 0.26488 | 0.00000 | 316523.1 | 160487.3 | 100632.1 | S |
| 52.100 | 0.0000 | 0.0000 | 87.550 | 0.26482 | 0.00000 | 316523.1 | 160495.2 | 100632.1 | S |
| 52.108 | 0.0000 | 0.0000 | 87.549 | 0.26477 | 0.00000 | 316523.1 | 160503.2 | 100632.1 | S |
| 52.117 | 0.0000 | 0.0000 | 87.549 | 0.26472 | 0.00000 | 316523.1 | 160511.1 | 100632.1 | S |
| 52.125 | 0.0000 | 0.0000 | 87.548 | 0.26467 | 0.00000 | 316523.1 | 160519.1 | 100632.1 | S |
| 52.133 | 0.0000 | 0.0000 | 87.548 | 0.26461 | 0.00000 | 316523.1 | 160527.0 | 100632.1 | S |
| 52.142 | 0.0000 | 0.0000 | 87.548 | 0.26456 | 0.00000 | 316523.1 | 160534.9 | 100632.1 | S |
| 52.150 | 0.0000 | 0.0000 | 87.547 | 0.26451 | 0.00000 | 316523.1 | 160542.9 | 100632.1 | S |
| 52.158 | 0.0000 | 0.0000 | 87.547 | 0.26446 | 0.00000 | 316523.1 | 160550.8 | 100632.1 | S |
| 52.167 | 0.0000 | 0.0000 | 87.547 | 0.26441 | 0.00000 | 316523.1 | 160558.7 | 100632.1 | S |
| 52.175 | 0.0000 | 0.0000 | 87.546 | 0.26435 | 0.00000 | 316523.1 | 160566.7 | 100632.1 | S |
| 52.183 | 0.0000 | 0.0000 | 87.546 | 0.26430 | 0.00000 | 316523.1 | 160574.6 | 100632.1 | S |
| 52.192 | 0.0000 | 0.0000 | 87.545 | 0.26425 | 0.00000 | 316523.1 | 160582.5 | 100632.1 | S |
| 52.200 | 0.0000 | 0.0000 | 87.545 | 0.26420 | 0.00000 | 316523.1 | 160590.5 | 100632.1 | S |
| 52.208 | 0.0000 | 0.0000 | 87.545 | 0.26415 | 0.00000 | 316523.1 | 160598.4 | 100632.1 | S |
| 52.217 | 0.0000 | 0.0000 | 87.544 | 0.26409 | 0.00000 | 316523.1 | 160606.3 | 100632.1 | S |
| 52.225 | 0.0000 | 0.0000 | 87.544 | 0.26404 | 0.00000 | 316523.1 | 160614.2 | 100632.1 | S |
| 52.233 | 0.0000 | 0.0000 | 87.544 | 0.26399 | 0.00000 | 316523.1 | 160622.1 | 100632.1 | S |
| 52.242 | 0.0000 | 0.0000 | 87.543 | 0.26394 | 0.00000 | 316523.1 | 160630.1 | 100632.1 | S |
| 52.250 | 0.0000 | 0.0000 | 87.543 | 0.26389 | 0.00000 | 316523.1 | 160638.0 | 100632.1 | S |
| 52.258 | 0.0000 | 0.0000 | 87.542 | 0.26384 | 0.00000 | 316523.1 | 160645.9 | 100632.1 | S |
| 52.267 | 0.0000 | 0.0000 | 87.542 | 0.26378 | 0.00000 | 316523.1 | 160653.8 | 100632.1 | S |
| 52.275 | 0.0000 | 0.0000 | 87.542 | 0.26373 | 0.00000 | 316523.1 | 160661.7 | 100632.1 | S |
| 52.283 | 0.0000 | 0.0000 | 87.541 | 0.26368 | 0.00000 | 316523.1 | 160669.6 | 100632.1 | S |
| 52.292 | 0.0000 | 0.0000 | 87.541 | 0.26363 | 0.00000 | 316523.1 | 160677.5 | 100632.1 | S |
| 52.300 | 0.0000 | 0.0000 | 87.541 | 0.26358 | 0.00000 | 316523.1 | 160685.5 | 100632.1 | S |
| 52.308 | 0.0000 | 0.0000 | 87.540 | 0.26353 | 0.00000 | 316523.1 | 160693.4 | 100632.1 | S |
| 52.317 | 0.0000 | 0.0000 | 87.540 | 0.26347 | 0.00000 | 316523.1 | 160701.3 | 100632.1 | S |
| 52.325 | 0.0000 | 0.0000 | 87.539 | 0.26342 | 0.00000 | 316523.1 | 160709.2 | 100632.1 | S |
| 52.333 | 0.0000 | 0.0000 | 87.539 | 0.26337 | 0.00000 | 316523.1 | 160717.1 | 100632.1 | S |
| 52.342 | 0.0000 | 0.0000 | 87.539 | 0.26332 | 0.00000 | 316523.1 | 160725.0 | 100632.1 | S |
| 52.350 | 0.0000 | 0.0000 | 87.538 | 0.26327 | 0.00000 | 316523.1 | 160732.9 | 100632.1 | S |
| 52.358 | 0.0000 | 0.0000 | 87.538 | 0.26322 | 0.00000 | 316523.1 | 160740.8 | 100632.1 | S |
| 52.367 | 0.0000 | 0.0000 | 87.538 | 0.26316 | 0.00000 | 316523.1 | 160748.7 | 100632.1 | S |
| 52.375 | 0.0000 | 0.0000 | 87.537 | 0.26311 | 0.00000 | 316523.1 | 160756.6 | 100632.1 | S |
| 52.383 | 0.0000 | 0.0000 | 87.537 | 0.26306 | 0.00000 | 316523.1 | 160764.5 | 100632.1 | S |
| 52.392 | 0.0000 | 0.0000 | 87.536 | 0.26301 | 0.00000 | 316523.1 | 160772.3 | 100632.1 | S |
| 52.400 | 0.0000 | 0.0000 | 87.536 | 0.26296 | 0.00000 | 316523.1 | 160780.2 | 100632.1 | S |
| 52.408 | 0.0000 | 0.0000 | 87.536 | 0.26291 | 0.00000 | 316523.1 | 160788.1 | 100632.1 | S |

# PONDS Version 3.2.0207 <br> Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E. 

Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft} 3 / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative unfiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | $\begin{aligned} & \text { Flow } \\ & \text { Type } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 52.417 | 0.0000 | 0.0000 | 87.535 | 0.26286 | 0.00000 | 316523.1 | 160796.0 | 100632.1 | S |
| 52.425 | 0.0000 | 0.0000 | 87.535 | 0.26280 | 0.00000 | 316523.1 | 160803.9 | 100632.1 | S |
| 52.433 | 0.0000 | 0.0000 | 87.535 | 0.26275 | 0.00000 | 316523.1 | 160811.8 | 100632.1 | S |
| 52.442 | 0.0000 | 0.0000 | 87.534 | 0.26270 | 0.00000 | 316523.1 | 160819.7 | 100632.1 | S |
| 52.450 | 0.0000 | 0.0000 | 87.534 | 0.26265 | 0.00000 | 316523.1 | 160827.5 | 100632.1 | S |
| 52.458 | 0.0000 | 0.0000 | 87.533 | 0.26260 | 0.00000 | 316523.1 | 160835.4 | 100632.1 | S |
| 52.467 | 0.0000 | 0.0000 | 87.533 | 0.26255 | 0.00000 | 316523.1 | 160843.3 | 100632.1 | S |
| 52.475 | 0.0000 | 0.0000 | 87.533 | 0.26250 | 0.00000 | 316523.1 | 160851.2 | 100632.1 | S |
| 52.483 | 0.0000 | 0.0000 | 87.532 | 0.26244 | 0.00000 | 316523.1 | 160859.0 | 100632.1 | S |
| 52.492 | 0.0000 | 0.0000 | 87.532 | 0.26239 | 0.00000 | 316523.1 | 160866.9 | 100632.1 | S |
| 52.500 | 0.0000 | 0.0000 | 87.532 | 0.26234 | 0.00000 | 316523.1 | 160874.8 | 100632.1 | S |
| 52.508 | 0.0000 | 0.0000 | 87.531 | 0.26229 | 0.00000 | 316523.1 | 160882.7 | 100632.1 | S |
| 52.517 | 0.0000 | 0.0000 | 87.531 | 0.26224 | 0.00000 | 316523.1 | 160890.5 | 100632.1 | S |
| 52.525 | 0.0000 | 0.0000 | 87.530 | 0.26219 | 0.00000 | 316523.1 | 160898.4 | 100632.1 | S |
| 52.533 | 0.0000 | 0.0000 | 87.530 | 0.26214 | 0.00000 | 316523.1 | 160906.3 | 100632.1 | S |
| 52.542 | 0.0000 | 0.0000 | 87.530 | 0.26209 | 0.00000 | 316523.1 | 160914.1 | 100632.1 | S |
| 52.550 | 0.0000 | 0.0000 | 87.529 | 0.26204 | 0.00000 | 316523.1 | 160922.0 | 100632.1 | S |
| 52.558 | 0.0000 | 0.0000 | 87.529 | 0.26198 | 0.00000 | 316523.1 | 160929.8 | 100632.1 | S |
| 52.567 | 0.0000 | 0.0000 | 87.529 | 0.26193 | 0.00000 | 316523.1 | 160937.7 | 100632.1 | S |
| 52.575 | 0.0000 | 0.0000 | 87.528 | 0.26188 | 0.00000 | 316523.1 | 160945.6 | 100632.1 | S |
| 52.583 | 0.0000 | 0.0000 | 87.528 | 0.26183 | 0.00000 | 316523.1 | 160953.4 | 100632.1 | S |
| 52.592 | 0.0000 | 0.0000 | 87.527 | 0.26178 | 0.00000 | 316523.1 | 160961.3 | 100632.1 | S |
| 52.600 | 0.0000 | 0.0000 | 87.527 | 0.26173 | 0.00000 | 316523.1 | 160969.1 | 100632.1 | S |
| 52.608 | 0.0000 | 0.0000 | 87.527 | 0.26168 | 0.00000 | 316523.1 | 160977.0 | 100632.1 | S |
| 52.617 | 0.0000 | 0.0000 | 87.526 | 0.26163 | 0.00000 | 316523.1 | 160984.8 | 100632.1 | S |
| 52.625 | 0.0000 | 0.0000 | 87.526 | 0.26158 | 0.00000 | 316523.1 | 160992.7 | 100632.1 | S |
| 52.633 | 0.0000 | 0.0000 | 87.526 | 0.26152 | 0.00000 | 316523.1 | 161000.5 | 100632.1 | S |
| 52.642 | 0.0000 | 0.0000 | 87.525 | 0.26147 | 0.00000 | 316523.1 | 161008.4 | 100632.1 | S |
| 52.650 | 0.0000 | 0.0000 | 87.525 | 0.26142 | 0.00000 | 316523.1 | 161016.2 | 100632.1 | S |
| 52.658 | 0.0000 | 0.0000 | 87.525 | 0.26137 | 0.00000 | 316523.1 | 161024.0 | 100632.1 | S |
| 52.667 | 0.0000 | 0.0000 | 87.524 | 0.26132 | 0.00000 | 316523.1 | 161031.9 | 100632.1 | S |
| 52.675 | 0.0000 | 0.0000 | 87.524 | 0.26127 | 0.00000 | 316523.1 | 161039.7 | 100632.1 | S |
| 52.683 | 0.0000 | 0.0000 | 87.523 | 0.26122 | 0.00000 | 316523.1 | 161047.6 | 100632.1 | S |
| 52.692 | 0.0000 | 0.0000 | 87.523 | 0.26117 | 0.00000 | 316523.1 | 161055.4 | 100632.1 | S |
| 52.700 | 0.0000 | 0.0000 | 87.523 | 0.26112 | 0.00000 | 316523.1 | 161063.2 | 100632.1 | S |
| 52.708 | 0.0000 | 0.0000 | 87.522 | 0.26107 | 0.00000 | 316523.1 | 161071.1 | 100632.1 | S |
| 52.717 | 0.0000 | 0.0000 | 87.522 | 0.26102 | 0.00000 | 316523.1 | 161078.9 | 100632.1 | S |
| 52.725 | 0.0000 | 0.0000 | 87.522 | 0.26097 | 0.00000 | 316523.1 | 161086.7 | 100632.1 | S |
| 52.733 | 0.0000 | 0.0000 | 87.521 | 0.26091 | 0.00000 | 316523.1 | 161094.5 | 100632.1 | S |
| 52.742 | 0.0000 | 0.0000 | 87.521 | 0.26086 | 0.00000 | 316523.1 | 161102.4 | 100632.1 | S |
| 52.750 | 0.0000 | 0.0000 | 87.520 | 0.26081 | 0.00000 | 316523.1 | 161110.2 | 100632.1 | S |
| 52.758 | 0.0000 | 0.0000 | 87.520 | 0.26076 | 0.00000 | 316523.1 | 161118.0 | 100632.1 | S |
| 52.767 | 0.0000 | 0.0000 | 87.520 | 0.26071 | 0.00000 | 316523.1 | 161125.8 | 100632.1 | S |
| 52.775 | 0.0000 | 0.0000 | 87.519 | 0.26066 | 0.00000 | 316523.1 | 161133.7 | 100632.1 | S |
| 52.783 | 0.0000 | 0.0000 | 87.519 | 0.26061 | 0.00000 | 316523.1 | 161141.5 | 100632.1 | S |
| 52.792 | 0.0000 | 0.0000 | 87.519 | 0.26056 | 0.00000 | 316523.1 | 161149.3 | 100632.1 | S |
| 52.800 | 0.0000 | 0.0000 | 87.518 | 0.26051 | 0.00000 | 316523.1 | 161157.1 | 100632.1 | S |
| 52.808 | 0.0000 | 0.0000 | 87.518 | 0.26046 | 0.00000 | 316523.1 | 161164.9 | 100632.1 | S |
| 52.817 | 0.0000 | 0.0000 | 87.517 | 0.26041 | 0.00000 | 316523.1 | 161172.8 | 100632.1 | S |
| 52.825 | 0.0000 | 0.0000 | 87.517 | 0.26036 | 0.00000 | 316523.1 | 161180.6 | 100632.1 | S |
| 52.833 | 0.0000 | 0.0000 | 87.517 | 0.26031 | 0.00000 | 316523.1 | 161188.4 | 100632.1 | S |
| 52.842 | 0.0000 | 0.0000 | 87.516 | 0.26026 | 0.00000 | 316523.1 | 161196.2 | 100632.1 | S |
| 52.850 | 0.0000 | 0.0000 | 87.516 | 0.26021 | 0.00000 | 316523.1 | 161204.0 | 100632.1 | S |
| 52.858 | 0.0000 | 0.0000 | 87.516 | 0.26016 | 0.00000 | 316523.1 | 161211.8 | 100632.1 | S |
| 52.867 | 0.0000 | 0.0000 | 87.515 | 0.26010 | 0.00000 | 316523.1 | 161219.6 | 100632.1 | S |
| 52.875 | 0.0000 | 0.0000 | 87.515 | 0.26005 | 0.00000 | 316523.1 | 161227.4 | 100632.1 | S |
| 52.883 | 0.0000 | 0.0000 | 87.514 | 0.26000 | 0.00000 | 316523.1 | 161235.2 | 100632.1 | S |
| 52.892 | 0.0000 | 0.0000 | 87.514 | 0.25995 | 0.00000 | 316523.1 | 161243.0 | 100632.1 | S |
| 52.900 | 0.0000 | 0.0000 | 87.514 | 0.25990 | 0.00000 | 316523.1 | 161250.8 | 100632.1 | S |
| 52.908 | 0.0000 | 0.0000 | 87.513 | 0.25985 | 0.00000 | 316523.1 | 161258.6 | 100632.1 | S |
| 52.917 | 0.0000 | 0.0000 | 87.513 | 0.25980 | 0.00000 | 316523.1 | 161266.4 | 100632.1 | S |
| 52.925 | 0.0000 | 0.0000 | 87.513 | 0.25975 | 0.00000 | 316523.1 | 161274.2 | 100632.1 | S |
| 52.933 | 0.0000 | 0.0000 | 87.512 | 0.25970 | 0.00000 | 316523.1 | 161282.0 | 100632.1 | S |
| 52.942 | 0.0000 | 0.0000 | 87.512 | 0.25965 | 0.00000 | 316523.1 | 161289.8 | 100632.1 | S |
| 52.950 | 0.0000 | 0.0000 | 87.512 | 0.25960 | 0.00000 | 316523.1 | 161297.5 | 100632.1 | S |
| 52.958 | 0.0000 | 0.0000 | 87.511 | 0.25955 | 0.00000 | 316523.1 | 161305.3 | 100632.1 | S |
| 52,967 | 0.0000 | 0.0000 | 87.511 | 0.25950 | 0.00000 | 316523.1 | 161313.1 | 100632.1 | S |
| 52.975 | 0.0000 | 0.0000 | 87.510 | 0.25945 | 0.00000 | 316523.1 | 161320.9 | 100632.1 | S |
| 52.983 | 0.0000 | 0.0000 | 87.510 | 0.25940 | 0.00000 | 316523.1 | 161328.7 | 100632.1 | S |
| 52.992 | 0.0000 | 0.0000 | 87.510 | 0.25935 | 0.00000 | 316523.1 | 161336.5 | 100632.1 | S |
| 53.000 | 0.0000 | 0.0000 | 87.509 | 0.25930 | 0.00000 | 316523.1 | 161344.3 | 100632.1 | S |
| 53.008 | 0.0000 | 0.0000 | 87.509 | 0.25925 | 0.00000 | 316523.1 | 161352.0 | 100632.1 | S |
| 53.017 | 0.0000 | 0.0000 | 87.509 | 0.25920 | 0.00000 | 316523.1 | 161359.8 | 100632.1 | S |
| 53.025 | 0.0000 | 0.0000 | 87.508 | 0.25915 | 0.00000 | 316523.1 | 161367.6 | 100632.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{H}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{H}^{3 / \mathrm{s}}$ ) | Overlow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 53.033 | 0.0000 | 0.0000 | 87.508 | 0.25910 | 0.00000 | 316523.1 | 161375.4 | 100632.1 | S |
| 53.042 | 0.0000 | 0.0000 | 87.507 | 0.25905 | 0.00000 | 316523.1 | 161383.1 | 100632.1 | S |
| 53.050 | 0.0000 | 0.0000 | 87.507 | 0.25900 | 0.00000 | 316523.1 | 161390.9 | 100632.1 | S |
| 53.058 | 0.0000 | 0.0000 | 87.507 | 0.25895 | 0.00000 | 316523.1 | 161398.7 | 100632.1 | S |
| 53.067 | 0.0000 | 0.0000 | 87.506 | 0.25890 | 0.00000 | 316523.1 | 161406.4 | 100632.1 | S |
| 53.075 | 0.0000 | 0.0000 | 87.506 | 0.25885 | 0.00000 | 316523.1 | 161414.2 | 100632.1 | S |
| 53.083 | 0.0000 | 0.0000 | 87.506 | 0.25880 | 0.00000 | 316523.1 | 161422.0 | 100632.1 | S |
| 53.092 | 0.0000 | 0.0000 | 87.505 | 0.25875 | 0.00000 | 316523.1 | 161429.7 | 100632.1 | S |
| 53.100 | 0.0000 | 0.0000 | 87.505 | 0.25870 | 0.00000 | 316523.1 | 161437.5 | 100632.1 | S |
| 53.108 | 0.0000 | 0.0000 | 87.505 | 0.25865 | 0.00000 | 316523.1 | 161445.3 | 100632.1 | S |
| 53.117 | 0.0000 | 0.0000 | 87.504 | 0.25860 | 0.00000 | 316523.1 | 161453.0 | 100632.1 | S |
| 53.125 | 0.0000 | 0.0000 | 87.504 | 0.25855 | 0.00000 | 316523.1 | 161460.8 | 100632.1 | S |
| 53.133 | 0.0000 | 0.0000 | 87.503 | 0.25850 | 0.00000 | 316523.1 | 161468.5 | 100632.1 | S |
| 53.142 | 0.0000 | 0.0000 | 87.503 | 0.25845 | 0.00000 | 316523.1 | 161476.3 | 100632.1 | S |
| 53.150 | 0.0000 | 0.0000 | 87.503 | 0.25840 | 0.00000 | 316523.1 | 161484.0 | 100632.1 | S |
| 53.158 | 0.0000 | 0.0000 | 87.502 | 0.25835 | 0.00000 | 316523.1 | 161491.8 | 100632.1 | S |
| 53.167 | 0.0000 | 0.0000 | 87.502 | 0.25830 | 0.00000 | 316523.1 | 161499.5 | 100632.1 | S |
| 53.175 | 0.0000 | 0.0000 | 87.502 | 0.25825 | 0.00000 | 316523.1 | 161507.3 | 100632.1 | S |
| 53.183 | 0.0000 | 0.0000 | 87.501 | 0.25820 | 0.00000 | 316523.1 | 161515.0 | 100632.1 | S |
| 53.192 | 0.0000 | 0.0000 | 87.501 | 0.25815 | 0.00000 | 316523.1 | 161522.8 | 100632.1 | S |
| 53.200 | 0.0000 | 0.0000 | 87.500 | 0.25810 | 0.00000 | 316523.1 | 161530.5 | 100632.1 | S |
| 53.208 | 0.0000 | 0.0000 | 87.500 | 0.25805 | 0.00000 | 316523.1 | 161538.3 | 100632.1 | S |
| 53,217 | 0.0000 | 0.0000 | 87.500 | 0.25800 | 0.00000 | 316523.1 | 161546.0 | 100632.1 | S |
| 53.225 | 0.0000 | 0.0000 | 87.499 | 0.25795 | 0.00000 | 316523.1 | 161553.7 | 100632.1 | S |
| 53.233 | 0.0000 | 0.0000 | 87.499 | 0.25790 | 0.00000 | 316523.1 | 161561.5 | 100632.1 | S |
| 53.242 | 0.0000 | 0.0000 | 87.499 | 0.25785 | 0.00000 | 316523.1 | 161569.2 | 100632.1 | S |
| 53.250 | 0.0000 | 0.0000 | 87.498 | 0.25780 | 0.00000 | 316523.1 | 161577.0 | 100632.1 | S |
| 53.258 | 0.0000 | 0.0000 | 87.498 | 0.25775 | 0.00000 | 316523.1 | 161584.7 | 100632.1 | S |
| 53.267 | 0.0000 | 0.0000 | 87.498 | 0.25770 | 0.00000 | 316523.1 | 161592.4 | 100632.1 | S |
| 53.275 | 0.0000 | 0.0000 | 87.497 | 0.25765 | 0.00000 | 316523.1 | 161600.1 | 100632.1 | S |
| 53.283 | 0.0000 | 0.0000 | 87.497 | 0.25760 | 0.00000 | 316523.1 | 161607.9 | 100632.1 | S |
| 53.292 | 0.0000 | 0.0000 | 87.496 | 0.25755 | 0.00000 | 316523.1 | 161615.6 | 100632.1 | S |
| 53.300 | 0.0000 | 0.0000 | 87.496 | 0.25750 | 0.00000 | 316523.1 | 161623.3 | 100632.1 | S |
| 53.308 | 0.0000 | 0.0000 | 87.496 | 0.25745 | 0.00000 | 316523.1 | 161631.0 | 100632.1 | S |
| 53.317 | 0.0000 | 0.0000 | 87.495 | 0.25741 | 0.00000 | 316523.1 | 161638.8 | 100632.1 | S |
| 53.325 | 0.0000 | 0.0000 | 87.495 | 0.25736 | 0.00000 | 316523.1 | 161646.5 | 100632.1 | S |
| 53.333 | 0.0000 | 0.0000 | 87.495 | 0.25731 | 0.00000 | 316523.1 | 161654.2 | 100632.1 | S |
| 53.342 | 0.0000 | 0.0000 | 87.494 | 0.25726 | 0.00000 | 316523.1 | 161661.9 | 100632.1 | S |
| 53.350 | 0.0000 | 0.0000 | 87.494 | 0.25721 | 0.00000 | 316523.1 | 161669.7 | 100632.1 | S |
| 53.358 | 0.0000 | 0.0000 | 87.493 | 0.25716 | 0.00000 | 316523.1 | 161677.4 | 100632.1 | S |
| 53.367 | 0.0000 | 0.0000 | 87.493 | 0.25711 | 0.00000 | 316523.1 | 161685.1 | 100632.1 | S |
| 53.375 | 0.0000 | 0.0000 | 87.493 | 0.25706 | 0.00000 | 316523.1 | 161692.8 | 100632.1 | S |
| 53.383 | 0.0000 | 0.0000 | 87.492 | 0.25701 | 0.00000 | 316523.1 | 161700.5 | 100632.1 | S |
| 53.392 | 0,0000 | 0.0000 | 87.492 | 0.25696 | 0.00000 | 316523.1 | 161708.2 | 100632.1 | S |
| 53.400 | 0.0000 | 0.0000 | 87.492 | 0.25691 | 0.00000 | 316523.1 | 161715.9 | 100632.1 | S |
| 53.408 | 0.0000 | 0.0000 | 87.491 | 0.25686 | 0.00000 | 316523.1 | 161723.6 | 100632.1 | S |
| 53.417 | 0.0000 | 0.0000 | 87.491 | 0.25681 | 0.00000 | 316523.1 | 167731.3 | 100632.1 | S |
| 53.425 | 0.0000 | 0.0000 | 87.491 | 0.25676 | 0.00000 | 316523.1 | 161739.0 | 100632.1 | S |
| 53.433 | 0.0000 | 0.0000 | 87.490 | 0.25671 | 0.00000 | 316523.1 | 161746.7 | 100632.1 | S |
| 53.442 | 0.0000 | 0.0000 | 87.490 | 0.25666 | 0.00000 | 316523.1 | 161754.4 | 100632.1 | S |
| 53.450 | 0.0000 | 0.0000 | 87.489 | 0.25662 | 0.00000 | 316523.1 | 161762.1 | 100632.1 | S |
| 53.458 | 0.0000 | 0.0000 | 87.489 | 0.25657 | 0.00000 | 316523.1 | 161769.8 | 100632.1 | S |
| 53.467 | 0.0000 | 0.0000 | 87.489 | 0.25652 | 0.00000 | 316523.1 | 161777.5 | 100632.1 | S |
| 53.475 | 0.0000 | 0.0000 | 87.488 | 0.25647 | 0.00000 | 316523.1 | 161785.2 | 100632.1 | S |
| 53.483 | 0.0000 | 0.0000 | 87.488 | 0.25642 | 0.00000 | 316523.1 | 161792.9 | 100632.1 | S |
| 53.492 | 0.0000 | 0.0000 | 87.488 | 0.25637 | 0.00000 | 316523.1 | 161800.6 | 100632.1 | S |
| 53.500 | 0.0000 | 0.0000 | 87.487 | 0.25632 | 0.00000 | 316523.1 | 161808.3 | 100632.1 | S |
| 53.508 | 0.0000 | 0.0000 | 87.487 | 0.25627 | 0.00000 | 316523.1 | 161816.0 | 100632.1 | S |
| 53.517 | 0.0000 | 0.0000 | 87.486 | 0.25622 | 0.00000 | 316523.1 | 161823.7 | 100632.1 | S |
| 53.525 | 0.0000 | 0.0000 | 87.486 | 0.25617 | 0.00000 | 316523.1 | 161831.4 | 100632.1 | S |
| 53.533 | 0.0000 | 0.0000 | 87.486 | 0.25612 | 0.00000 | 316523.1 | 161839.0 | 100632.1 | S |
| 53.542 | 0.0000 | 0.0000 | 87.485 | 0.25607 | 0.00000 | 316523.1 | 161846.7 | 100632.1 | S |
| 53.550 | 0.0000 | 0.0000 | 87.485 | 0.25603 | 0.00000 | 316523.1 | 161854.4 | 100632.1 | S |
| 53.558 | 0.0000 | 0.0000 | 87.485 | 0.25598 | 0.00000 | 316523.1 | 161862.1 | 100632.1 | S |
| 53.567 | 0.0000 | 0.0000 | 87.484 | 0.25593 | 0.00000 | 316523.1 | 161869.8 | 100632.1 | S |
| 53.575 | 0.0000 | 0.0000 | 87.484 | 0.25588 | 0.00000 | 316523.1 | 161877.5 | 100632.1 | S |
| 53.583 | 0.0000 | 0.0000 | 87.484 | 0.25583 | 0.00000 | 316523.1 | 161885.1 | 100632.1 | S |
| 53.592 | 0.0000 | 0.0000 | 87.483 | 0.25578 | 0.00000 | 316523.1 | 161892.8 | 100632.1 | S |
| 53.600 | 0.0000 | 0.0000 | 87.483 | 0.25573 | 0.00000 | 316523.1 | 161900.5 | 100632.1 | S |
| 53.608 | 0.0000 | 0.0000 | 87.482 | 0.25568 | 0.00000 | 316523.1 | 161908.1 | 100632.1 | S |
| 53.617 | 0.0000 | 0.0000 | 87.482 | 0.25563 | 0.00000 | 316523.1 | 161915.8 | 100632.1 | S |
| 53.625 | 0.0000 | 0.0000 | 87.482 | 0.25558 | 0.00000 | 316523.1 | 161923.5 | 100632.1 | S |
| 53.633 | 0.0000 | 0.0000 | 87.481 | 0.25554 | 0.00000 | 316523.1 | 161931.1 | 100632.1 | S |
| 53.642 | 0.0000 | 0.0000 | 87.481 | 0.25549 | 0.00000 | 316523.1 | 161938.8 | 100632.1 | S |

PONDS Version 3.2.0207

# Retention Pond Recovery - Refined Method Copyright 2003 

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{C}^{3 / 3 / 5 \text { ) }) ~(1) ~}$ | Overflow Discharge ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 53.650 | 0.0000 | 0.0000 | 87.481 | 0.25544 | 0.00000 | 316523.1 | 161946.5 | 100632.1 | S |
| 53.658 | 0.0000 | 0.0000 | 87.480 | 0.25539 | 0.00000 | 316523.1 | 161954.1 | 100632.1 | S |
| 53.667 | 0.0000 | 0.0000 | 87.480 | 0.25534 | 0.00000 | 316523.1 | 161961.8 | 100632.1 | S |
| 53.675 | 0.0000 | 0.0000 | 87.480 | 0.25529 | 0.00000 | 316523.1 | 161969.5 | 100632.1 | S |
| 53.683 | 0.0000 | 0.0000 | 87.479 | 0.25524 | 0.00000 | 316523.1 | 161977.1 | 100632.1 | S |
| 53.692 | 0.0000 | 0.0000 | 87.479 | 0.25519 | 0.00000 | 316523.1 | 161984.8 | 100632.1 | S |
| 53.700 | 0.0000 | 0.0000 | 87.478 | 0.25515 | 0.00000 | 316523.1 | 161992.4 | 100632.1 | S |
| 53.708 | 0.0000 | 0.0000 | 87.478 | 0.25510 | 0.00000 | 316523.1 | 162000.1 | 100632.1 | S |
| 53.717 | 0.0000 | 0.0000 | 87.478 | 0.25505 | 0.00000 | 316523.1 | 162007.7 | 100632.1 | S |
| 53.725 | 0.0000 | 0.0000 | 87.477 | 0.25500 | 0.00000 | 316523.1 | 162015.4 | 100632.1 | S |
| 53.733 | 0.0000 | 0.0000 | 87.477 | 0.25495 | 0.00000 | 316523.1 | 162023.0 | 100632.1 | S |
| 53.742 | 0.0000 | 0.0000 | 87.477 | 0.25490 | 0.00000 | 316523.1 | 162030.7 | 100632.1 | S |
| 53.750 | 0.0000 | 0.0000 | 87.476 | 0.25485 | 0.00000 | 316523.1 | 162038.3 | 100632.1 | S |
| 53.758 | 0.0000 | 0.0000 | 87.476 | 0.25480 | 0.00000 | 316523.1 | 162046.0 | 100632.1 | S |
| 53.767 | 0.0000 | 0.0000 | 87.476 | 0.25476 | 0.00000 | 316523.1 | 162053.6 | 100632.1 | S |
| 53.775 | 0.0000 | 0.0000 | 87.475 | 0.25471 | 0.00000 | 316523.1 | 162061.3 | 100632.1 | S |
| 53.783 | 0.0000 | 0.0000 | 87.475 | 0.25466 | 0.00000 | 316523.1 | 162068.9 | 100632.1 | S |
| 53.792 | 0.0000 | 0.0000 | 87.474 | 0.25461 | 0.00000 | 316523.1 | 162076.5 | 100632.1 | S |
| 53.800 | 0.0000 | 0.0000 | 87.474 | 0.25456 | 0.00000 | 316523.1 | 162084.2 | 100632.1 | S |
| 53.808 | 0.0000 | 0.0000 | 87.474 | 0.25451 | 0.00000 | 316523.1 | 162091.8 | 100632.1 | S |
| 53.817 | 0.0000 | 0.0000 | 87.473 | 0.25446 | 0.00000 | 316523.1 | 162099.5 | 100632.1 | S |
| 53.825 | 0.0000 | 0.0000 | 87.473 | 0.25442 | 0.00000 | 316523.1 | 162107.1 | 100632.1 | S |
| 53.833 | 0.0000 | 0.0000 | 87.473 | 0.25437 | 0.00000 | 316523.1 | 162114.7 | 100632.1 | S |
| 53.842 | 0.0000 | 0.0000 | 87.472 | 0.25432 | 0.00000 | 316523.1 | 162122.3 | 100632.1 | S |
| 53.850 | 0.0000 | 0.0000 | 87.472 | 0.25427 | 0.00000 | 316523.1 | 162130.0 | 100632.1 | S |
| 53.858 | 0.0000 | 0.0000 | 87.472 | 0.25422 | 0.00000 | 316523.1 | 162137.6 | 100632.1 | S |
| 53.867 | 0.0000 | 0.0000 | 87.471 | 0.25417 | 0.00000 | 316523.1 | 162145.2 | 100632.1 | S |
| 53.875 | 0.0000 | 0.0000 | 87.471 | 0.25413 | 0.00000 | 316523.1 | 162152.8 | 100632.1 | S |
| 53.883 | 0.0000 | 0.0000 | 87.470 | 0.25408 | 0.00000 | 316523.1 | 162160.5 | 100632.1 | S |
| 53.892 | 0.0000 | 0.0000 | 87.470 | 0.25403 | 0.00000 | 316523.1 | 162168.1 | 100632.1 | S |
| 53.900 | 0.0000 | 0.0000 | 87.470 | 0.25398 | 0.00000 | 316523.1 | 162175.7 | 100632.1 | S |
| 53.908 | 0.0000 | 0.0000 | 87.469 | 0.25393 | 0.00000 | 316523.1 | 162183.3 | 100632.1 | S |
| 53.917 | 0.0000 | 0.0000 | 87.469 | 0.25388 | 0.00000 | 316523.1 | 162191.0 | 100632.1 | S |
| 53.925 | 0.0000 | 0.0000 | 87.469 | 0.25384 | 0.00000 | 316523.1 | 162198.6 | 100632.1 | S |
| 53.933 | 0.0000 | 0.0000 | 87.468 | 0.25379 | 0.00000 | 316523.1 | 162206.2 | 100632.1 | S |
| 53.942 | 0.0000 | 0.0000 | 87.468 | 0.25374 | 0.00000 | 316523.1 | 162213.8 | 100632.1 | S |
| 53.950 | 0.0000 | 0.0000 | 87.468 | 0.25369 | 0.00000 | 316523.1 | 162221.4 | 100632.1 | S |
| 53.958 | 0.0000 | 0.0000 | 87.467 | 0.25364 | 0.00000 | 316523.1 | 162229.0 | 100632.1 | S |
| 53.967 | 0.0000 | 0.0000 | 87.467 | 0.25359 | 0.00000 | 316523.1 | 162236.6 | 100632.1 | S |
| 53.975 | 0.0000 | 0.0000 | 87.466 | 0.25355 | 0.00000 | 316523.1 | 162244.2 | 100632.1 | S |
| 53.983 | 0.0000 | 0.0000 | 87.466 | 0.25350 | 0.00000 | 316523.1 | 162251.8 | 100632.1 | S |
| 53.992 | 0.0000 | 0.0000 | 87.466 | 0.25345 | 0.00000 | 316523.1 | 162259.4 | 100632.1 | S |
| 54.000 | 0.0000 | 0.0000 | 87.465 | 0.25340 | 0.00000 | 316523.1 | 162267.0 | 100632.1 | S |
| 54.008 | 0.0000 | 0.0000 | 87.465 | 0.25335 | 0.00000 | 316523.1 | 162274.6 | 100632.1 | S |
| 54.017 | 0.0000 | 0.0000 | 87.465 | 0.25331 | 0.00000 | 316523.1 | 162282.3 | 100632.1 | S |
| 54.025 | 0.0000 | 0.0000 | 87.464 | 0.25326 | 0.00000 | 316523.1 | 162289.8 | 100632.1 | S |
| 54.033 | 0.0000 | 0.0000 | 87.464 | 0.25321 | 0.00000 | 316523.1 | 162297.4 | 100632.1 | S |
| 54.042 | 0.0000 | 0.0000 | 87.463 | 0.25316 | 0.00000 | 316523.1 | 162305.0 | 100632.1 | S |
| 54.050 | 0.0000 | 0.0000 | 87.463 | 0.25311 | 0.00000 | 316523.1 | 162312.6 | 100632.1 | S |
| 54.058 | 0.0000 | 0.0000 | 87.463 | 0.25306 | 0.00000 | 316523.1 | 162320.2 | 100632.1 | S |
| 54.067 | 0.0000 | 0.0000 | 87.462 | 0.25302 | 0.00000 | 316523.1 | 162327.8 | 100632.1 | S |
| 54.075 | 0.0000 | 0.0000 | 87.462 | 0.25297 | 0.00000 | 316523.1 | 162335.4 | 100632.1 | S |
| 54.083 | 0.0000 | 0.0000 | 87.462 | 0.25292 | 0.00000 | 316523.1 | 162343.0 | 100632.1 | S |
| 54.092 | 0.0000 | 0.0000 | 87.461 | 0.25287 | 0.00000 | 316523.1 | 162350.6 | 100632.1 | S |
| 54.100 | 0.0000 | 0.0000 | 87.461 | 0.25282 | 0.00000 | 316523.1 | 162358.2 | 100632.1 | S |
| 54.108 | 0.0000 | 0.0000 | 87.461 | 0.25278 | 0.00000 | 316523.1 | 162365.8 | 100632.1 | S |
| 54.117 | 0.0000 | 0.0000 | 87.460 | 0.25273 | 0.00000 | 316523.1 | 162373.3 | 100632.1 | S |
| 54.125 | 0.0000 | 0.0000 | 87.460 | 0.25268 | 0.00000 | 316523.1 | 162380.9 | 100632.1 | S |
| 54.133 | 0.0000 | 0.0000 | 87.460 | 0.25263 | 0.00000 | 316523.1 | 162388.5 | 100632.1 | S |
| 54.142 | 0.0000 | 0.0000 | 87.459 | 0.25259 | 0.00000 | 316523.1 | 162396.1 | 100632.1 | S |
| 54.150 | 0.0000 | 0.0000 | 87.459 | 0.25254 | 0.00000 | 316523.1 | 162403.6 | 100632.1 | S |
| 54.158 | 0.0000 | 0.0000 | 87.458 | 0.25249 | 0.00000 | 316523.1 | 162411.2 | 100632.1 | S |
| 54.167 | 0.0000 | 0.0000 | 87.458 | 0.25244 | 0.00000 | 316523.1 | 162418.8 | 100632.1 | S |
| 54.175 | 0.0000 | 0.0000 | 87.458 | 0.25239 | 0.00000 | 316523.1 | 162426.4 | 100632.1 | S |
| 54.183 | 0.0000 | 0.0000 | 87.457 | 0.25235 | 0.00000 | 316523.1 | 162433.9 | 100632.1 | S |
| 54.192 | 0.0000 | 0.0000 | 87.457 | 0.25230 | 0.00000 | 316523.1 | 162441.5 | 100632.1 | S |
| 54.200 | 0.0000 | 0.0000 | 87.457 | 0.25225 | 0.00000 | 316523.1 | 162449.1 | 100632.1 | S |
| 54.208 | 0.0000 | 0.0000 | 87.456 | 0.25220 | 0.00000 | 316523.1 | 162456.6 | 100632.1 | S |
| 54.217 | 0.0000 | 0.0000 | 87.456 | 0.25215 | 0.00000 | 316523.1 | 162464.2 | 100632.1 | S |
| 54.225 | 0.0000 | 0.0000 | 87.456 | 0.25211 | 0.00000 | 316523.1 | 162471.8 | 100632.1 | S |
| 54.233 | 0.0000 | 0.0000 | 87.455 | 0.25206 | 0.00000 | 316523.1 | 162479.3 | 100632.1 | S |
| 54.242 | 0.0000 | 0.0000 | 87.455 | 0.25201 | 0.00000 | 316523.1 | 162486.9 | 100632.1 | S |
| 54.250 | 0.0000 | 0.0000 | 87.454 | 0.25196 | 0.00000 | 316523.1 | 162494.5 | 100632.1 | S |
| 54.258 | 0.0000 | 0.0000 | 87.454 | 0.25192 | 0.00000 | 316523.1 | 162502.0 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/overflow

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (fl datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 54.267 | 0.0000 | 0.0000 | 87.454 | 0.25187 | 0.00000 | 316523.1 | 162509.6 | 100632.1 | S |
| 54.275 | 0.0000 | 0.0000 | 87.453 | 0.25182 | 0.00000 | 316523.1 | 162517.7 | 100632.1 | S |
| 54.283 | 0.0000 | 0.0000 | 87.453 | 0.25177 | 0.00000 | 316523.1 | 162524.7 | 100632.1 | S |
| 54.292 | 0.0000 | 0.0000 | 87.453 | 0.25173 | 0.00000 | 316523.1 | 162532.2 | 100632.1 | S |
| 54.300 | 0.0000 | 0.0000 | 87.452 | 0.25168 | 0.00000 | 316523.1 | 162539.8 | 100632.1 | S |
| 54.308 | 0.0000 | 0.0000 | 87.452 | 0.25163 | 0.00000 | 316523.1 | 162547.3 | 100632.1 | S |
| 54.317 | 0.0000 | 0.0000 | 87.452 | 0.25158 | 0.00000 | 316523.1 | 162554.9 | 100632.1 | S |
| 54.325 | 0.0000 | 0.0000 | 87.451 | 0.25154 | 0.00000 | 316523.1 | 162562.4 | 100632.1 | S |
| 54.333 | 0.0000 | 0.0000 | 87.451 | 0.25149 | 0.00000 | 316523.1 | 162570.0 | 100632.1 | S |
| 54.342 | 0.0000 | 0.0000 | 87.450 | 0.25144 | 0.00000 | 316523.1 | 162577.5 | 100632.9 | S |
| 54.350 | 0.0000 | 0.0000 | 87.450 | 0.25139 | 0.00000 | 316523.1 | 162585.1 | 100632.1 | S |
| 54.358 | 0.0000 | 0.0000 | 87.450 | 0.25135 | 0.00000 | 316523.1 | 162592.6 | 100632.1 | S |
| 54.367 | 0.0000 | 0.0000 | 87.449 | 0.25130 | 0.00000 | 316523.1 | 162600.7 | 100632.1 | S |
| 54.375 | 0.0000 | 0.0000 | 87.449 | 0.25125 | 0.00000 | 316523.1 | 162607.7 | 100632.1 | S |
| 54.383 | 0.0000 | 0.0000 | 87.449 | 0.25120 | 0.00000 | 316523.1 | 162615.2 | 100632.1 | S |
| 54.392 | 0.0000 | 0.0000 | 87.448 | 0.25116 | 0.00000 | 316523.1 | 162622.8 | 100632.1 | S |
| 54.400 | 0.0000 | 0.0000 | 87.448 | 0.25111 | 0.00000 | 316523.1 | 162630.3 | 100632.1 | S |
| 54.408 | 0.0000 | 0.0000 | 87.448 | 0.25106 | 0.00000 | 316523.1 | 162637.8 | 100632.1 | S |
| 54.417 | 0.0000 | 0.0000 | 87.447 | 0.25101 | 0.00000 | 316523.1 | 162645.3 | 100632.1 | S |
| 54.425 | 0.0000 | 0.0000 | 87.447 | 0.25097 | 0.00000 | 316523.1 | 162652.9 | 100632.1 | S |
| 54.433 | 0.0000 | 0.0000 | 87.446 | 0.25092 | 0.00000 | 316523.1 | 162660.4 | 100632.1 | S |
| 54.442 | 0.0000 | 0.0000 | 87.446 | 0.25087 | 0.00000 | 316523.1 | 162667.9 | 100632.1 | S |
| 54.450 | 0.0000 | 0.0000 | 87.446 | 0.25082 | 0.00000 | 316523.1 | 162675.5 | 100632.1 | S |
| 54.458 | 0.0000 | 0.0000 | 87.445 | 0.25078 | 0.00000 | 316523.1 | 162683.0 | 100632.1 | S |
| 54.467 | 0.0000 | 0.0000 | 87.445 | 0.25073 | 0.00000 | 316523.1 | 162690.5 | 100632.1 | S |
| 54.475 | 0.0000 | 0.0000 | 87.445 | 0.25068 | 0.00000 | 316523.1 | 162698.0 | 100632.1 | S |
| 54.483 | 0.0000 | 0.0000 | 87.444 | 0.25064 | 0.00000 | 316523.1 | 162705.5 | 100632.1 | S |
| 54.492 | 0.0000 | 0.0000 | 87.444 | 0.25059 | 0.00000 | 316523.1 | 162713.1 | 100632.1 | S |
| 54.500 | 0.0000 | 0.0000 | 87.444 | 0.25054 | 0.00000 | 316523.1 | 162720.6 | 100632.1 | S |
| 54.508 | 0.0000 | 0.0000 | 87.443 | 0.25049 | 0.00000 | 316523.1 | 162728.1 | 100632.1 | S |
| 54.517 | 0.0000 | 0.0000 | 87.443 | 0.25045 | 0.00000 | 316523.1 | 162735.6 | 100632.1 | S |
| 54.525 | 0.0000 | 0.0000 | 87.443 | 0.25040 | 0.00000 | 316523.1 | 162743.1 | 100632.1 | S |
| 54.533 | 0.0000 | 0.0000 | 87.442 | 0.25035 | 0.00000 | 316523.1 | 162750.6 | 100632.1 | S |
| 54.542 | 0.0000 | 0.0000 | 87.442 | 0.25031 | 0.00000 | 316523.1 | 162758.1 | 100632.1 | S |
| 54.550 | 0.0000 | 0.0000 | 87.441 | 0.25026 | 0.00000 | 316523.1 | 162765.7 | 100632.1 | S |
| 54.558 | 0.0000 | 0.0000 | 87.441 | 0.25021 | 0.00000 | 316523.1 | 162773.2 | 100632.1 | S |
| 54.567 | 0.0000 | 0.0000 | 87.441 | 0.25016 | 0.00000 | 316523.1 | 162780.7 | 100632.1 | S |
| 54.575 | 0.0000 | 0.0000 | 87.440 | 0.25012 | 0.00000 | 316523.1 | 162788.2 | 100632.1 | S |
| 54.583 | 0.0000 | 0.0000 | 87.440 | 0.25007 | 0.00000 | 316523.1 | 162795.7 | 100632.1 | S |
| 54.592 | 0.0000 | 0.0000 | 87.440 | 0.25002 | 0.00000 | 316523.1 | 162803.2 | 100632.1 | S |
| 54.600 | 0.0000 | 0.0000 | 87.439 | 0.24998 | 0.00000 | 316523.1 | 162810.7 | 100632.1 | S |
| 54.608 | 0.0000 | 0.0000 | 87.439 | 0.24993 | 0.00000 | 316523.1 | 162818.2 | 100632.1 | S |
| 54.617 | 0.0000 | 0.0000 | 87.439 | 0.24988 | 0.00000 | 316523.1 | 162825.7 | 100632.1 | S |
| 54.625 | 0.0000 | 0.0000 | 87.438 | 0.24984 | 0.00000 | 316523.1 | 162833.2 | 100632.1 | S |
| 54.633 | 0.0000 | 0.0000 | 87.438 | 0.24979 | 0.00000 | 316523.1 | 162840.7 | 100632.1 | S |
| 54.642 | 0.0000 | 0.0000 | 87.437 | 0.24974 | 0.00000 | 316523.1 | 162848.2 | 100632.1 | S |
| 54.650 | 0.0000 | 0.0000 | 87.437 | 0.24969 | 0.00000 | 316523.1 | 162855.6 | 100632.1 | S |
| 54.658 | 0.0000 | 0.0000 | 87.437 | 0.24965 | 0.00000 | 316523.1 | 162863.1 | 100632.1 | S |
| 54.667 | 0.0000 | 0.0000 | 87.436 | 0.24960 | 0.00000 | 316523.1 | 162870.6 | 100632.1 | S |
| 54.675 | 0.0000 | 0.0000 | 87.436 | 0.24955 | 0.00000 | 316523.1 | 162878.1 | 100632.1 | S |
| 54.683 | 0.0000 | 0.0000 | 87.436 | 0.24951 | 0.00000 | 316523.1 | 162885.6 | 100632.1 | S |
| 54.692 | 0.0000 | 0.0000 | 87.435 | 0.24946 | 0.00000 | 316523.1 | 162893.1 | 100632.1 | S |
| 54.700 | 0.0000 | 0.0000 | 87.435 | 0.24941 | 0.00000 | 316523.1 | \$62900.6 | 100632.1 | S |
| 54.708 | 0.0000 | 0.0000 | 87.435 | 0.24937 | 0.00000 | 316523.1 | 162908.0 | 100632.1 | S |
| 54.717 | 0.0000 | 0.0000 | 87.434 | 0.24932 | 0.00000 | 316523.1 | 162915.5 | 100632.1 | S |
| 54.725 | 0.0000 | 0.0000 | 87.434 | 0.24927 | 0.00000 | 316523.1 | 162923.0 | 100632.1 | S |
| 54.733 | 0.0000 | 0.0000 | 87.434 | 0.24923 | 0.00000 | 316523.1 | 162930.5 | 100632.1 | S |
| 54.742 | 0.0000 | 0.0000 | 87.433 | 0.24918 | 0.00000 | 316523.1 | 162938.0 | 100632.1 | S |
| 54.750 | 0.0000 | 0.0000 | 87.433 | 0.24913 | 0.00000 | 316523.1 | 162945.4 | 100632.1 | S |
| 54.758 | 0.0000 | 0.0000 | 87.432 | 0.24909 | 0.00000 | 316523.1 | 162952.9 | 100632.1 | S |
| 54.767 | 0.0000 | 0.0000 | 87.432 | 0.24904 | 0.00000 | 316523.1 | 162960.4 | 100632.1 | S |
| 54.775 | 0.0000 | 0.0000 | 87.432 | 0.24899 | 0.00000 | 316523.1 | 162967.8 | 100632.1 | S |
| 54.783 | 0.0000 | 0.0000 | 87.431 | 0.24895 | 0.00000 | 316523.1 | 162975.3 | 100632.1 | S |
| 54.792 | 0.0000 | 0.0000 | 87.431 | 0.24890 | 0.00000 | 316523.1 | 162982.8 | 100632.1 | S |
| 54.800 | 0.0000 | 0.0000 | 87.431 | 0.24885 | 0.00000 | 316523.1 | 162990.3 | 100632.1 | S |
| 54.808 | 0.0000 | 0.0000 | 87.430 | 0.24881 | 0.00000 | 316523.1 | 162997.7 | 100632.1 | S |
| 54.817 | 0.0000 | 0.0000 | 87.430 | 0.24876 | 0.00000 | 316523.1 | 163005.2 | 100632.1 | S |
| 54.825 | 0.0000 | 0.0000 | 87.430 | 0.24871 | 0.00000 | 316523.1 | 163012.6 | 100632.1 | S |
| 54.833 | 0.0000 | 0.0000 | 87.429 | 0.24867 | 0.00000 | 316523.1 | 163020.1 | 100632.1 | S |
| 54.842 | 0.0000 | 0.0000 | 87.429 | 0.24862 | 0.00000 | 316523.1 | 163027.6 | 100632.1 | S |
| 54.850 | 0.0000 | 0.0000 | 87.428 | 0.24857 | 0.00000 | 316523.1 | 163035.0 | 100632.1 | S |
| 54.858 | 0.0000 | 0.0000 | 87.428 | 0.24853 | 0.00000 | 316523.1 | 163042.5 | 100632.1 | S |
| 54.867 | 0.0000 | 0.0000 | 87.428 | 0.24848 | 0.00000 | 316523.1 | 163049.9 | 100632.1 | S |
| 54.875 | 0.0000 | 0.0000 | 87.427 | 0.24843 | 0.00000 | 316523.1 | 163057.4 | 100632.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario $1::$ pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infilkation Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge (fis/s) | Cumukative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 54.883 | 0.0000 | 0.0000 | 87.427 | 0.24839 | 0.00000 | 316523.1 | 163064.8 | 100632.1 | S |
| 54.892 | 0.0000 | 0.0000 | 87.427 | 0.24834 | 0.00000 | 316523.1 | 163072.3 | 100632.1 | S |
| 54.900 | 0.0000 | 0.0000 | 87.426 | 0.24829 | 0.00000 | 316523.1 | 163079.7 | 100632.1 | S |
| 54.908 | 0.0000 | 0.0000 | 87.426 | 0.24825 | 0.00000 | 316523.1 | 163087.2 | 100632.1 | S |
| 54.917 | 0.0000 | 0.0000 | 87.426 | 0.24820 | 0.00000 | 316523.1 | 163094.6 | 100632.1 | S |
| 54.925 | 0.0000 | 0.0000 | 87.425 | 0.24816 | 0.00000 | 316523.1 | 163102.1 | 100632.1 | S |
| 54.933 | 0.0000 | 0.0000 | 87.425 | 0.24811 | 0.00000 | 316523.1 | 163109.5 | 100632.1 | S |
| 54.942 | 0.0000 | 0.0000 | 87.425 | 0.24806 | 0.00000 | 316523.1 | 163117.0 | 100632.1 | S |
| 54.950 | 0.0000 | 0.0000 | 87.424 | 0.24802 | 0.00000 | 316523.1 | 163124.4 | 100632.1 | S |
| 54.958 | 0.0000 | 0.0000 | 87.424 | 0.24797 | 0.00000 | 316523.1 | 163131.8 | 100632.1 | S |
| 54.967 | 0.0000 | 0.0000 | 87.423 | 0.24792 | 0.00000 | 316523.1 | 163139.3 | 100632.1 | S |
| 54.975 | 0.0000 | 0.0000 | 87.423 | 0.24788 | 0.00000 | 316523.1 | 163146.7 | 100632.1 | S |
| 54.983 | 0.0000 | 0.0000 | 87.423 | 0.24783 | 0.00000 | 316523.1 | 163154.2 | 100632.1 | S |
| 54.992 | 0.0000 | 0.0000 | 87.422 | 0.24779 | 0.00000 | 316523.1 | 163761.6 | 100632.1 | S |
| 55.000 | 0.0000 | 0.0000 | 87.422 | 0.24774 | 0.00000 | 316523.1 | 163169.0 | 100632.1 | S |
| 55.008 | 0.0000 | 0.0000 | 87.422 | 0.24769 | 0.00000 | 316523.1 | 163176.5 | 100632.1 | S |
| 55.017 | 0.0000 | 0.0000 | 87.421 | 0.24765 | 0.00000 | 316523.1 | 163183.9 | 100632.1 | S |
| 55.025 | 0.0000 | 0.0000 | 87.421 | 0.24760 | 0.00000 | 316523.1 | 163191.3 | 100632.1 | S |
| 55.033 | 0.0000 | 0.0000 | 87.421 | 0.24755 | 0.00000 | 316523.1 | 163198.8 | 100632.1 | S |
| 55.042 | 0.0000 | 0.0000 | 87.420 | 0.24751 | 0.00000 | 316523.1 | 163206.2 | 100632.1 | S |
| 55.050 | 0.0000 | 0.0000 | 87.420 | 0.24746 | 0.00000 | 316523.1 | 163213.6 | 100632.1 | S |
| 55.058 | 0.0000 | 0.0000 | 87.420 | 0.24742 | 0.00000 | 316523.1 | 163221.0 | 100632.1 | S |
| 55.067 | 0.0000 | 0.0000 | 87.419 | 0.24737 | 0.00000 | 316523.1 | 163228.4 | 100632.1 | S |
| 55.075 | 0.0000 | 0.0000 | 87.419 | 0.24732 | 0.00000 | 316523.1 | 163235.9 | 100632.1 | S |
| 55.083 | 0.0000 | 0.0000 | 87.418 | 0.24728 | 0.00000 | 316523.1 | 163243.3 | 100632.1 | S |
| 55.092 | 0.0000 | 0.0000 | 87.418 | 0.24723 | 0.00000 | 316523.1 | 163250.7 | 100632.1 | S |
| 55.100 | 0.0000 | 0.0000 | 87.418 | 0.24718 | 0.00000 | 316523.1 | 163258.1 | 100632.1 | S |
| 55.108 | 0.0000 | 0.0000 | 87.417 | 0.24714 | 0.00000 | 316523.1 | 163265.5 | 100632.1 | S |
| 55.117 | 0.0000 | 0.0000 | 87.417 | 0.24709 | 0.00000 | 316523.1 | 163272.9 | 100632.1 | S |
| 55.125 | 0.0000 | 0.0000 | 87.417 | 0.24705 | 0.00000 | 316523.1 | 163280.4 | 100632.1 | S |
| 55.133 | 0.0000 | 0.0000 | 87.416 | 0.24700 | 0.00000 | 316523.1 | 163287.8 | 100632.1 | S |
| 55.142 | 0.0000 | 0.0000 | 87.416 | 0.24695 | 0.00000 | 316523.1 | 163295.2 | 100632.1 | S |
| 55.150 | 0.0000 | 0.0000 | 87.416 | 0.24691 | 0.00000 | 316523.1 | 163302.6 | 100632.1 | S |
| 55.158 | 0.0000 | 0.0000 | 87.415 | 0.24686 | 0.00000 | 316523.1 | 163310.0 | 100632.1 | S |
| 55.167 | 0.0000 | 0.0000 | 87.415 | 0.24682 | 0.00000 | 316523.1 | 163317.4 | 100632.1 | S |
| 55.175 | 0.0000 | 0.0000 | 87.415 | 0.24677 | 0.00000 | 316523.1 | 163324.8 | 100632.1 | S |
| 55.183 | 0.0000 | 0.0000 | 87.414 | 0.24673 | 0.00000 | 316523.1 | 163332.2 | 100632.1 | S |
| 55.192 | 0.0000 | 0.0000 | 87.414 | 0.24668 | 0.00000 | 316523.1 | 163339.6 | 100632.1 | S |
| 55.200 | 0.0000 | 0.0000 | 87.413 | 0.24663 | 0.00000 | 316523.1 | 163347.0 | 100632.1 | S |
| 55.208 | 0.0000 | 0.0000 | 87.413 | 0.24659 | 0.00000 | 316523.1 | 163354.4 | 100632.1 | S |
| 55.217 | 0.0000 | 0.0000 | 87.413 | 0.24654 | 0.00000 | 316523.1 | 163361.8 | 100632.1 | S |
| 55.225 | 0.0000 | 0.0000 | 87.412 | 0.24650 | 0.00000 | 316523.1 | 163369.2 | 100632.1 | S |
| 55.233 | 0.0000 | 0.0000 | 87.412 | 0.24645 | 0.00000 | 316523.1 | 163376.6 | 100632.1 | S |
| 55.242 | 0.0000 | 0.0000 | 87.412 | 0.24640 | 0.00000 | 316523.1 | 163384.0 | 100632.1 | S |
| 55.250 | 0.0000 | 0.0000 | 87.411 | 0.24636 | 0.00000 | 316523.1 | 163391.4 | 100632.1 | S |
| 55.258 | 0.0000 | 0.0000 | 87.411 | 0.24631 | 0.00000 | 316523.1 | 163398.8 | 100632.1 | S |
| 55.267 | 0.0000 | 0.0000 | 87.411 | 0.24627 | 0.00000 | 316523.1 | 163406.1 | 100632.1 | S |
| 55.275 | 0.0000 | 0.0000 | 87.410 | 0.24622 | 0.00000 | 316523.1 | 163413.5 | 100632.1 | S |
| 55.283 | 0.0000 | 0.0000 | 87.410 | 0.24618 | 0.00000 | 316523.1 | 163420.9 | 100632.1 | S |
| 55.292 | 0.0000 | 0.0000 | 87.410 | 0.24613 | 0.00000 | 316523.1 | 163428.3 | 100632.1 | S |
| 55.300 | 0.0000 | 0.0000 | 87.409 | 0.24608 | 0.00000 | 316523.1 | 163435.7 | 100632.1 | S |
| 55.308 | 0.0000 | 0.0000 | 87.409 | 0.24604 | 0.00000 | 316523.1 | 163443.1 | 100632.1 | S |
| 55.317 | 0.0000 | 0.0000 | 87.408 | 0.24599 | 0.00000 | 316523.1 | 163450.5 | 100632.1 | S |
| 55.325 | 0.0000 | 0.0000 | 87.408 | 0.24595 | 0.00000 | 316523.1 | 163457.8 | 100632.1 | S |
| 55.333 | 0.0000 | 0.0000 | 87.408 | 0.24590 | 0.00000 | 316523.1 | 163465.2 | 100632.1 | S |
| 55.342 | 0.0000 | 0.0000 | 87.407 | 0.24586 | 0.00000 | 316523.1 | 163472.6 | 100632.1 | S |
| 55.350 | 0.0000 | 0.0000 | 87.407 | 0.24581 | 0.00000 | 316523.1 | 163480.0 | 100632.1 | S |
| 55.358 | 0.0000 | 0.0000 | 87.407 | 0.24576 | 0.00000 | 316523.1 | 163487.3 | 100632.1 | S |
| 55.367 | 0.0000 | 0.0000 | 87.406 | 0.24572 | 0.00000 | 316523.1 | 163494.7 | 100632.1 | S |
| 55.375 | 0.0000 | 0.0000 | 87.406 | 0.24567 | 0.00000 | 316523.1 | 163502.1 | 100632.1 | S |
| 55.383 | 0.0000 | 0.0000 | 87.406 | 0.24563 | 0.00000 | 316523.1 | 163509.4 | 100632.1 | S |
| 55.392 | 0.0000 | 0.0000 | 87.405 | 0.24558 | 0.00000 | 316523.1 | 163516.8 | 100632.1 | S |
| 55.400 | 0.0000 | 0.0000 | 87.405 | 0.24554 | 0.00000 | 316523.1 | 163524.2 | 100632.1 | S |
| 55.408 | 0.0000 | 0.0000 | 87.405 | 0.24549 | 0.00000 | 316523.1 | 163531.5 | \$00632.1 | S |
| 55.417 | 0.0000 | 0.0000 | 87.404 | 0.24545 | 0.00000 | 316523.1 | 163538.9 | 100632.1 | S |
| 55.425 | 0.0000 | 0.0000 | 87.404 | 0.24540 | 0.00000 | 316523.1 | 163546.3 | 100632.1 | S |
| 55.433 | 0.0000 | 0.0000 | 87.403 | 0.24535 | 0.00000 | 316523.1 | 163553.6 | 100632.1 | S |
| 55.442 | 0.0000 | 0.0000 | 87.403 | 0.24531 | 0.00000 | 316523.1 | 163561.0 | 100632.1 | S |
| 55.450 | 0.0000 | 0.0000 | 87.403 | 0.24526 | 0.00000 | 316523.1 | 163568.3 | 100632.1 | S |
| 55.458 | 0.0000 | 0.0000 | 87.402 | 0.24522 | 0.00000 | 316523.1 | 163575.7 | 100632.1 | S |
| 55.467 | 0.0000 | 0.0000 | 87.402 | 0.24517 | 0.00000 | 316523.1 | 163583.1 | 100632.1 | S |
| 55.475 | 0.0000 | 0.0000 | 87.402 | 0.24513 | 0.00000 | 316523.1 | 163590.4 | 100632.1 | S |
| 55.483 | 0.0000 | 0.0000 | 87.401 | 0.24508 | 0.00000 | 316523.1 | 163597.8 | 100632.1 | S |
| 55.492 | 0.0000 | 0.0000 | 87.401 | 0.24504 | 0.00000 | 316523.1 | 163605.1 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | infiow <br> Rate <br> (f13/s) | Outside Recharge (ft/day) | Stage Elevation (f datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 55.500 | 0.0000 | 0.0000 | 87.401 | 0.24499 | 0.00000 | 316523.1 | 163612.5 | 100632.1 | S |
| 55.508 | 0.0000 | 0.0000 | 87.400 | 0.24495 | 0.00000 | 316523.1 | 163619.8 | 100632.1 | S |
| 55.517 | 0.0000 | 0.0000 | 87.400 | 0.24490 | 0.00000 | 316523.1 | 163627.2 | 100632.1 | S |
| 55.525 | 0.0000 | 0.0000 | 87.400 | 0.24486 | 0.00000 | 316523.1 | 163634.5 | 100632.1 | S |
| 55.533 | 0.0000 | 0.0000 | 87.399 | 0.24481 | 0.00000 | 316523.1 | 163641.9 | 100632.1 | S |
| 55.542 | 0.0000 | 0.0000 | 87.399 | 0.24476 | 0.00000 | 316523.1 | 163649.2 | 100632.1 | S |
| 55.550 | 0.0000 | 0.0000 | 87.399 | 0.24472 | 0.00000 | 316523.1 | 763656.5 | 100632.1 | S |
| 55.558 | 0.0000 | 0.0000 | 87.398 | 0.24467 | 0.00000 | 316523.1 | 163663.9 | 100632.1 | S |
| 55.567 | 0.0000 | 0.0000 | 87.398 | 0.24463 | 0.00000 | 316523.1 | 163671.2 | 100632.1 | S |
| 55.575 | 0.0000 | 0.0000 | 87.397 | 0.24458 | 0.00000 | 316523.1 | 163678.6 | 100632.1 | S |
| 55.583 | 0.0000 | 0.0000 | 87.397 | 0.24454 | 0.00000 | 316523.1 | 163685.9 | 100632.1 | S |
| 55.592 | 0.0000 | 0.0000 | 87.397 | 0.24449 | 0.00000 | 316523.1 | 163693.2 | 100632.1 | S |
| 55.600 | 0.0000 | 0.0000 | 87.396 | 0.24445 | 0.00000 | 316523.1 | 163700.6 | 100632.1 | S |
| 55.608 | 0.0000 | 0.0000 | 87.396 | 0.24440 | 0.00000 | 316523.1 | 163707.9 | 100632.1 | S |
| 55.617 | 0.0000 | 0.0000 | 87.396 | 0.24436 | 0.00000 | 316523.1 | 163715.2 | 100632.1 | S |
| 55.625 | 0.0000 | 0.0000 | 87.395 | 0.24431 | 0.00000 | 316523.1 | 163722.6 | 100632.1 | S |
| 55.633 | 0.0000 | 0.0000 | 87.395 | 0.24427 | 0.00000 | 316523.1 | 163729.9 | 100632.1 | S |
| 55.642 | 0.0000 | 0.0000 | 87.395 | 0.24422 | 0.00000 | 316523.1 | 163737.2 | 100632.1 | S |
| 55.650 | 0.0000 | 0.0000 | 87.394 | 0.24418 | 0.00000 | 316523.1 | 163744.5 | 100632.1 | S |
| 55.658 | 0.0000 | 0.0000 | 87.394 | 0.24413 | 0.00000 | 316523.1 | 163751.9 | 100632.1 | S |
| 55.667 | 0.0000 | 0.0000 | 87.394 | 0.24409 | 0.00000 | 316523.1 | 163759.2 | 100632.1 | S |
| 55.675 | 0.0000 | 0.0000 | 87.393 | 0.24404 | 0.00000 | 316523.1 | 163766.5 | 100632.1 | S |
| 55.683 | 0.0000 | 0.0000 | 87.393 | 0.24400 | 0.00000 | 316523.1 | 163773.8 | 100632.1 | S |
| 55.692 | 0.0000 | 0.0000 | 87.392 | 0.24395 | 0.00000 | 316523.1 | 163781.2 | 100632.1 | S |
| 55.700 | 0.0000 | 0.0000 | 87.392 | 0.24391 | 0.00000 | 316523.1 | 163788.5 | 100632.1 | S |
| 55.708 | 0.0000 | 0.0000 | 87.392 | 0.24386 | 0.00000 | 316523.1 | 163795.8 | 100632.1 | S |
| 55.717 | 0.0000 | 0.0000 | 87.391 | 0.24382 | 0.00000 | 316523.1 | 163803.1 | 100632.4 | S |
| 55.725 | 0.0000 | 0.0000 | 87.391 | 0.24377 | 0.00000 | 316523.1 | 163810.4 | 100632.1 | S |
| 55.733 | 0.0000 | 0.0000 | 87.391 | 0.24373 | 0.00000 | 316523.1 | 163817.7 | 100632.1 | S |
| 55.742 | 0.0000 | 0.0000 | 87.390 | 0.24368 | 0.00000 | 316523.1 | 163825.0 | 100632.1 | S |
| 55.750 | 0.0000 | 0.0000 | 87.390 | 0.24364 | 0.00000 | 316523.1 | 163832.4 | 100632.1 | S |
| 55.758 | 0.0000 | 0.0000 | 87.390 | 0.24359 | 0.00000 | 316523.1 | 163839.7 | 100632.1 | S |
| 55.767 | 0.0000 | 0.0000 | 87.389 | 0.24355 | 0.00000 | 316523.1 | 163847.0 | 100632.1 | S |
| 55.775 | 0.0000 | 0.0000 | 87.389 | 0.24350 | 0.00000 | 316523.1 | 163854.3 | 100632.1 | S |
| 55.783 | 0.0000 | 0.0000 | 87.389 | 0.24346 | 0.00000 | 316523.1 | 163861.6 | 100632.1 | S |
| 55.792 | 0.0000 | 0.0000 | 87.388 | 0.24341 | 0.00000 | 316523.1 | 163868.9 | 100632.1 | S |
| 55.800 | 0.0000 | 0.0000 | 87.388 | 0.24337 | 0.00000 | 316523.1 | 163876.2 | 100632.1 | S |
| 55.808 | 0.0000 | 0.0000 | 87.388 | 0.24332 | 0.00000 | 316523.1 | 163883.5 | 100632.1 | S |
| 55.817 | 0.0000 | 0.0000 | 87.387 | 0.24328 | 0.00000 | 316523.1 | 163890.8 | 100632.1 | S |
| 55.825 | 0.0000 | 0.0000 | 87.387 | 0.24323 | 0.00000 | 316523.1 | 163898.1 | 100632.1 | S |
| 55.833 | 0.0000 | 0.0000 | 87.386 | 0.24319 | 0.00000 | 316523.1 | 163905.4 | 100632.1 | S |
| 55.842 | 0.0000 | 0.0000 | 87.386 | 0.24315 | 0.00000 | 316523.1 | 163912.7 | 100632.1 | S |
| 55.850 | 0.0000 | 0.0000 | 87.386 | 0.24310 | 0.00000 | 316523.1 | 163920.0 | 100632.1 | S |
| 55.858 | 0.0000 | 0.0000 | 87.385 | 0.24306 | 0.00000 | 316523.1 | 163927.3 | 100632.1 | S |
| 55.867 | 0.0000 | 0.0000 | 87.385 | 0.24301 | 0.00000 | 316523.1 | 163934.5 | 100632.1 | S |
| 55.875 | 0.0000 | 0.0000 | 87.385 | 0.24297 | 0.00000 | 316523.1 | 163941.8 | 100632.1 | S |
| 55.883 | 0.0000 | 0.0000 | 87.384 | 0.24292 | 0.00000 | 316523.1 | 163949.1 | 100632.1 | S |
| 55.892 | 0.0000 | 0.0000 | 87.384 | 0.24288 | 0.00000 | 316523.1 | 163956.4 | 100632.1 | S |
| 55.900 | 0.0000 | 0.0000 | 87.384 | 0.24283 | 0.00000 | 316523.1 | 163963.7 | 100632.1 | S |
| 55.908 | 0.0000 | 0.0000 | 87.383 | 0.24279 | 0.00000 | 316523.1 | 163971.0 | 100632.1 | S |
| 55.917 | 0.0000 | 0.0000 | 87.383 | 0.24274 | 0.00000 | 316523.1 | 163978.3 | 100632.1 | S |
| 55.925 | 0.0000 | 0.0000 | 87.383 | 0.24270 | 0.00000 | 316523.1 | 163985.5 | 100632.1 | S |
| 55.933 | 0.0000 | 0.0000 | 87.382 | 0.24265 | 0.00000 | 316523.1 | 163992.8 | 100632.1 | S |
| 55.942 | 0.0000 | 0.0000 | 87.382 | 0.24261 | 0.00000 | 316523.1 | 164000.1 | 100632.1 | S |
| 55.950 | 0.0000 | 0.0000 | 87.382 | 0.24256 | 0.00000 | 316523.1 | 164007.4 | 100632.1 | S |
| 55.958 | 0.0000 | 0.0000 | 87.381 | 0.24252 | 0.00000 | 316523.1 | 164014.7 | 100632.1 | S |
| 55.967 | 0.0000 | 0.0000 | 87.381 | 0.24248 | 0.00000 | 316523.1 | 164021.9 | 100632.1 | S |
| 55.975 | 0.0000 | 0.0000 | 87.380 | 0.24243 | 0.00000 | 316523.1 | 164029.2 | 100632.1 | S |
| 55.983 | 0.0000 | 0.0000 | 87.380 | 0.24239 | 0.00000 | 316523.1 | 164036.5 | 100632.1 | S |
| 55.992 | 0.0000 | 0.0000 | 87.380 | 0.24234 | 0.00000 | 316523.1 | 164043.8 | 100632.1 | S |
| 56.000 | 0.0000 | 0.0000 | 87.379 | 0.24230 | 0.00000 | 316523.1 | 164051.0 | 100632.1 | S |
| 56.008 | 0.0000 | 0.0000 | 87.379 | 0.24225 | 0.00000 | 316523.1 | 164058.3 | 100632.1 | S |
| 56.017 | 0.0000 | 0.0000 | 87.379 | 0.24221 | 0.00000 | 316523.1 | 164065.6 | 100632.1 | S |
| 56.025 | 0.0000 | 0.0000 | 87.378 | 0.24216 | 0.00000 | 316523.1 | 164072.8 | 100632.4 | S |
| 56.033 | 0.0000 | 0.0000 | 87.378 | 0.24212 | 0.00000 | 316523.1 | 164080.1 | 100632.1 | S |
| 56.042 | 0.0000 | 0.0000 | 87.378 | 0.24208 | 0.00000 | 316523.1 | 164087.4 | 100632.1 | S |
| 56.050 | 0.0000 | 0.0000 | 87.377 | 0.24203 | 0.00000 | 316523.1 | 164094.6 | 100632.1 | S |
| 56.058 | 0.0000 | 0.0000 | 87.377 | 0.24199 | 0.00000 | 316523.1 | 164101.9 | 100632.1 | S |
| 56.067 | 0.0000 | 0.0000 | 87.377 | 0.24194 | 0.00000 | 316523.1 | 164109.1 | 100632.1 | S |
| 56.075 | 0.0000 | 0.0000 | 87.376 | 0.24190 | 0.00000 | 316523.1 | 164116.4 | 100632.1 | S |
| 56.083 | 0.0000 | 0.0000 | 87.376 | 0.24185 | 0.00000 | 316523.1 | 164123.7 | 100632.1 | S |
| 56.092 | 0.0000 | 0.0000 | 87.376 | 0.24181 | 0.00000 | 316523.1 | 164130.9 | 100632.1 | S |
| 56.100 | 0.0000 | 0.0000 | 87.375 | 0.24177 | 0.00000 | 316523.1 | 164138.2 | 100632.1 | S |
| 56.108 | 0.0000 | 0.0000 | 87.375 | 0.24172 | 0.00000 | 316523.1 | 164145.4 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont, d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{H}^{3 / \mathrm{s}}$ ) | Outside Recharge (It/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infilisation Volume $\left(\mathrm{ft}^{3}\right)$ | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 56.117 | 0.0000 | 0.0000 | 87.375 | 0.24168 | 0.00000 | 316523.1 | 164152.7 | 100632.1 | S |
| 56.125 | 0.0000 | 0.0000 | 87.374 | 0.24163 | 0.00000 | 316523.1 | 164159.9 | 100632.1 | S |
| 56.133 | 0.0000 | 0.0000 | 87.374 | 0.24159 | 0.00000 | 316523.1 | 164167.2 | 100632.1 | S |
| 56,142 | 0.0000 | 0.0000 | 87.373 | 0.24154 | 0.00000 | 316523.1 | 164174.4 | 100632.1 | S |
| 56.150 | 0.0000 | 0.0000 | 87.373 | 0.24150 | 0.00000 | 316523.1 | 164181.7 | 100632.1 | S |
| 56.158 | 0.0000 | 0.0000 | 87.373 | 0.24146 | 0.00000 | 316523.1 | 164188.9 | 100632.1 | S |
| 56.167 | 0.0000 | 0.0000 | 87.372 | 0.24141 | 0.00000 | 316523.1 | 164196.1 | 100632.1 | S |
| 56.175 | 0.0000 | 0.0000 | 87.372 | 0.24137 | 0.00000 | 316523.1 | 164203.4 | 100632.1 | S |
| 56.183 | 0.0000 | 0.0000 | 87.372 | 0.24132 | 0.00000 | 316523.1 | 164210.6 | 100632.1 | S |
| 56.192 | 0.0000 | 0.0000 | 87.371 | 0.24128 | 0,00000 | 316523.1 | 164217.9 | 100632.1 | S |
| 56.200 | 0.0000 | 0.0000 | 87.371 | 0.24123 | 0.00000 | 316523.1 | 164225.1 | 100632.1 | S |
| 56.208 | 0.0000 | 0.0000 | 87.371 | 0.24119 | 0.00000 | 316523.1 | 764232.3 | 100632.1 | S |
| 56.217 | 0.0000 | 0.0000 | 87.370 | 0.24115 | 0.00000 | 316523.1 | 164239.6 | 100632.1 | S |
| 56.225 | 0.0000 | 0.0000 | 87.370 | 0.24110 | 0.00000 | 316523.1 | 164246.8 | 100632.1 | S |
| 56.233 | 0,0000 | 0.0000 | 87.370 | 0.24106 | 0.00000 | 316523.1 | 164254.0 | 100632.1 | S |
| 56.242 | 0.0000 | 0.0000 | 87.369 | 0.24101 | 0.00000 | 316523.1 | 164261.3 | 100632.1 | S |
| 56.250 | 0.0000 | 0.0000 | 87.369 | 0.24097 | 0.00000 | 316523.1 | 164268.5 | 100632.1 | S |
| 56.258 | 0.0000 | 0.0000 | 87.369 | 0.24093 | 0.00000 | 316523.1 | 164275.7 | 100632.1 | S |
| 56.267 | 0.0000 | 0.0000 | 87.368 | 0.24088 | 0.00000 | 316523.1 | 164283.0 | 100632.1 | S |
| 56.275 | 0.0000 | 0.0000 | 87.368 | 0.24084 | 0.00000 | 316523.1 | 164290.2 | 100632.1 | S |
| 56.283 | 0.0000 | 0.0000 | 87.367 | 0.24079 | 0.00000 | 316523.1 | 164297.4 | 100632.1 | S |
| 56.292 | 0.0000 | 0.0000 | 87.367 | 0.24075 | 0.00000 | 316523.1 | 164304.6 | 100632.1 | S |
| 56.300 | 0.0000 | 0.0000 | 87.367 | 0.24071 | 0.00000 | 316523.1 | 164311.8 | 100632.1 | S |
| 56.308 | 0.0000 | 0.0000 | 87.366 | 0.24066 | 0.00000 | 316523.1 | 164319.1 | 100632.1 | S |
| 56.317 | 0.0000 | 0.0000 | 87.366 | 0.24062 | 0.00000 | 316523.1 | 164326.3 | 100632.1 | S |
| 56.325 | 0.0000 | 0.0000 | 87.366 | 0.24057 | 0.00000 | 316523.1 | 164333.5 | 100632.1 | S |
| 56.333 | 0.0000 | 0.0000 | 87.365 | 0.24053 | 0.00000 | 316523.1 | 164340.7 | 100632.1 | S |
| 56.342 | 0.0000 | 0.0000 | 87.365 | 0.24049 | 0.00000 | 316523.1 | 164347.9 | 100632.1 | S |
| 56.350 | 0.0000 | 0.0000 | 87.365 | 0.24044 | 0.00000 | 316523.1 | 164355.2 | 100632.1 | S |
| 56.358 | 0.0000 | 0.0000 | 87.364 | 0.24040 | 0.00000 | 316523.1 | 164362.4 | 100632.1 | S |
| 56.367 | 0.0000 | 0.0000 | 87.364 | 0.24036 | 0.00000 | 316523.1 | 164369.6 | 100632.1 | S |
| 56.375 | 0.0000 | 0.0000 | 87.364 | 0.24031 | 0.00000 | 316523.1 | 164376.8 | 100632.1 | S |
| 56.383 | 0.0000 | 0.0000 | 87.363 | 0.24027 | 0.00000 | 316523.1 | 164384.0 | 100632.1 | S |
| 56.392 | 0.0000 | 0.0000 | 87.363 | 0.24022 | 0.00000 | 316523.1 | 164391.2 | 100632.1 | S |
| 56.400 | 0.0000 | 0.0000 | 87.363 | 0.24018 | 0.00000 | 316523.1 | 164398.4 | 100632.1 | S |
| 56.408 | 0.0000 | 0.0000 | 87.362 | 0.24014 | 0.00000 | 316523.1 | 164405.6 | 100632.1 | S |
| 56.417 | 0.0000 | 0.0000 | 87.362 | 0.24009 | 0.00000 | 316523.1 | 164412.8 | 100632.1 | S |
| 56.425 | 0.0000 | 0.0000 | 87.362 | 0.24005 | 0.00000 | 316523.1 | 164420.0 | 100632.1 | S |
| 56.433 | 0.0000 | 0.0000 | 87,361 | 0.24001 | 0.00000 | 316523.1 | 164427.2 | 100632.1 | S |
| 56.442 | 0.0000 | 0.0000 | 87.361 | 0.23996 | 0.00000 | 316523.1 | 164434.4 | 100632.1 | S |
| 56.450 | 0.0000 | 0.0000 | 87.360 | 0.23992 | 0.00000 | 316523.1 | 164441.6 | 100632.7 | S |
| 56.458 | 0.0000 | 0.0000 | 87.360 | 0.23987 | 0.00000 | 316523.1 | 164448.8 | 100632.1 | S |
| 56.467 | 0.0000 | 0.0000 | 87.360 | 0.23983 | 0.00000 | 316523.1 | 164456.0 | 100632.1 | S |
| 56.475 | 0.0000 | 0.0000 | 87.359 | 0.23979 | 0.00000 | 316523.1 | 164463.2 | 100632.1 | S |
| 56.483 | 0.0000 | 0.0000 | 87.359 | 0.23974 | 0.00000 | 316523.1 | 164470.4 | 100632.1 | S |
| 56.492 | 0.0000 | 0.0000 | 87.359 | 0.23970 | 0.00000 | 316523.1 | 164477.6 | 100632.1 | S |
| 56.500 | 0.0000 | 0.0000 | 87.358 | 0.23966 | 0.00000 | 316523.1 | 164484.8 | 100632.1 | S |
| 56.508 | 0.0000 | 0.0000 | 87.358 | 0.23961 | 0.00000 | 316523.1 | 164492.0 | 100632.1 | S |
| 56.517 | 0.0000 | 0.0000 | 87.358 | 0.23957 | 0.00000 | 316523.1 | 164499.2 | 100632.1 | S |
| 56.525 | 0.0000 | 0.0000 | 87.357 | 0.23953 | 0.00000 | 316523.1 | 164506.3 | 100632.1 | S |
| 56.533 | 0.0000 | 0.0000 | 87.357 | 0.23948 | 0.00000 | 316523.7 | 164513.5 | 100632.1 | S |
| 56.542 | 0.0000 | 0.0000 | 87.357 | 0.23944 | 0.00000 | 316523.1 | 164520.7 | 100632.1 | S |
| 56.550 | 0.0000 | 0.0000 | 87.356 | 0.23939 | 0.00000 | 316523.1 | 164527.9 | 100632.1 | S |
| 56.558 | 0.0000 | 0.0000 | 87.356 | 0.23935 | 0.00000 | 316523.1 | 164535.1 | 100632.1 | S |
| 56.567 | 0.0000 | 0.0000 | 87.356 | 0.23931 | 0.00000 | 316523.1 | 164542.3 | 100632.1 | S |
| 56.575 | 0.0000 | 0.0000 | 87.355 | 0.23926 | 0.00000 | 316523.1 | 164549.4 | 100632.1 | S |
| 56.583 | 0.0000 | 0.0000 | 87.355 | 0.23922 | 0.00000 | 316523.1 | 164556.6 | 100632.1 | S |
| 56.592 | 0.0000 | 0.0000 | 87.355 | 0.23918 | 0.00000 | 316523.1 | 164563.8 | 100632.1 | S |
| 56.600 | 0.0000 | 0.0000 | 87.354 | 0.23913 | 0.00000 | 316523.1 | 164571.0 | 100632.1 | S |
| 56.608 | 0.0000 | 0.0000 | 87.354 | 0.23909 | 0.00000 | 316523.1 | 164578.1 | 100632.1 | S |
| 56.617 | 0.0000 | 0.0000 | 87.354 | 0.23905 | 0.00000 | 316523.1 | 164585.3 | 100632.1 | S |
| 56.625 | 0.0000 | 0.0000 | 87.353 | 0.23900 | 0.00000 | 316523.1 | 164592.5 | 100632.1 | S |
| 56.633 | 0.0000 | 0.0000 | 87.353 | 0.23896 | 0.00000 | 316523.1 | 164599.6 | 100632.1 | S |
| 56.642 | 0.0000 | 0.0000 | 87.352 | 0.23892 | 0.00000 | 316523.1 | 164606.8 | 100632.1 | S |
| 56.650 | 0.0000 | 0.0000 | 87.352 | 0.23887 | 0.00000 | 316523.1 | 164614.0 | 100632.1 | S |
| 56.658 | 0.0000 | 0.0000 | 87.352 | 0.23883 | 0.00000 | 316523.1 | 164621.1 | 100632.1 | S |
| 56.667 | 0.0000 | 0.0000 | 87.351 | 0.23879 | 0.00000 | 316523.1 | 164628.3 | 100632.1 | S |
| 56.675 | 0.0000 | 0.0000 | 87.351 | 0.23874 | 0.00000 | 316523.1 | 164635.5 | 100632.1 | S |
| 56.683 | 0.0000 | 0.0000 | 87.351 | 0.23870 | 0.00000 | 316523.1 | 164642.6 | 100632.1 | S |
| 56.692 | 0.0000 | 0.0000 | 87.350 | 0.23866 | 0.00000 | 316523.1 | 164649.8 | 100632.1 | S |
| 56.700 | 0.0000 | 0.0000 | 87.350 | 0.23861 | 0.00000 | 316523.1 | 164657.0 | 100632.1 | S |
| 56.708 | 0.0000 | 0.0000 | 87.350 | 0.23857 | 0.00000 | 316523.1 | 164664.1 | 100632.1 | S |
| 56.717 | 0.0000 | 0.0000 | 87.349 | 0.23853 | 0.00000 | 316523.1 | 164671.3 | 100632.1 | S |
| 56.725 | 0.0000 | 0.0000 | 87.349 | 0.23848 | 0.00000 | 316523.1 | 164678.4 | 100632.7 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:. Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation ( ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overfiow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | $\begin{aligned} & \text { Cumulative } \\ & \text { Inflow } \\ & \text { Volume }\left(\mathrm{ft}^{3}\right) \end{aligned}$ | Cumulative Infiltration Volume ( $\mathrm{ft}^{\mathrm{T}}$ ) | Cumulative Discharge Volume ( $\mathrm{H}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 56.733 | 0.0000 | 0.0000 | 87.349 | 0.23844 | 0.00000 | 316523.1 | 164685.6 | 100632.1 | S |
| 56.742 | 0.0000 | 0.0000 | 87.348 | 0.23840 | 0.00000 | 316523.1 | 164692.7 | 100632.1 | S |
| 56.750 | 0.0000 | 0.0000 | 87.348 | 0.23835 | 0.00000 | 316523.1 | 164699.9 | 100632.1 | S |
| 56.758 | 0.0000 | 0.0000 | 87.348 | 0.23831 | 0.00000 | 316523.1 | 164707.0 | 100632.1 | S |
| 56.767 | 0.0000 | 0.0000 | 87.347 | 0.23827 | 0.00000 | 316523.1 | 164714.2 | 100632.1 | S |
| 56.775 | 0.0000 | 0.0000 | 87.347 | 0.23822 | 0.00000 | 316523.1 | 164721.3 | 100632.1 | S |
| 56.783 | 0.0000 | 0.0000 | 87.347 | 0.23818 | 0.00000 | 316523.1 | 164728.5 | 100632.1 | S |
| 56.792 | 0.0000 | 0.0000 | 87.346 | 0.23814 | 0.00000 | 316523.1 | 164735.6 | 100632.1 | S |
| 56.800 | 0.0000 | 0.0000 | 87.346 | 0.23810 | 0.00000 | 316523.1 | 164742.8 | 100632.1 | S |
| 56.808 | 0.0000 | 0.0000 | 87.345 | 0.23805 | 0.00000 | 316523.1 | 164749.9 | 100632.1 | S |
| 56.817 | 0.0000 | 0.0000 | 87.345 | 0.23801 | 0.00000 | 316523.1 | 164757.0 | 100632.1 | S |
| 56.825 | 0.0000 | 0.0000 | 87.345 | 0.23797 | 0.00000 | 316523.1 | 164764.2 | 100632.1 | S |
| 56.833 | 0.0000 | 0.0000 | 87.344 | 0.23792 | 0.00000 | 316523.1 | 164771.3 | 100632.1 | S |
| 56.842 | 0.0000 | 0.0000 | 87.344 | 0.23788 | 0.00000 | 316523.1 | 164778.5 | 100632.1 | S |
| 56.850 | 0.0000 | 0.0000 | 87.344 | 0.23784 | 0.00000 | 316523.1 | 164785.6 | 100632.1 | S |
| 56.858 | 0.0000 | 0.0000 | 87.343 | 0.23779 | 0.00000 | 316523.1 | 164792.7 | 100632.1 | S |
| 56.867 | 0.0000 | 0.0000 | 87.343 | 0.23775 | 0.00000 | 316523.1 | 164799.9 | 100632.1 | S |
| 56.875 | 0.0000 | 0.0000 | 87.343 | 0.23771 | 0.00000 | 316523.1 | 164807.0 | 100632.1 | S |
| 56.883 | 0.0000 | 0.0000 | 87.342 | 0.23766 | 0.00000 | 316523.1 | 164814.1 | 100632.1 | S |
| 56.892 | 0.0000 | 0.0000 | 87.342 | 0.23762 | 0.00000 | 316523.1 | 164821.3 | 100632.1 | S |
| 56.900 | 0.0000 | 0.0000 | 87.342 | 0.23758 | 0.00000 | 316523.1 | 164828.4 | 100632.1 | S |
| 56.908 | 0.0000 | 0.0000 | 87.341 | 0.23754 | 0.00000 | 316523.1 | 164835.5 | 100632.1 | S |
| 56.917 | 0.0000 | 0.0000 | 87.341 | 0.23749 | 0.00000 | 316523.1 | 164842.6 | 100632.1 | S |
| 56.925 | 0.0000 | 0.0000 | 87.341 | 0.23745 | 0.00000 | 316523.1 | 164849.8 | 100632.1 | S |
| 56.933 | 0.0000 | 0.0000 | 87.340 | 0.23741 | 0.00000 | 316523.1 | 164856.9 | 100632.1 | S |
| 56.942 | 0.0000 | 0.0000 | 87.340 | 0.23736 | 0.00000 | 316523.1 | 164864.0 | 100632.1 | S |
| 56.950 | 0.0000 | 0.0000 | 87.340 | 0.23732 | 0.00000 | 316523.1 | 164871.1 | 100632.1 | S |
| 56.958 | 0.0000 | 0.0000 | 87.339 | 0.23728 | 0.00000 | 316523.1 | 164878.2 | 100632.1 | S |
| 56.967 | 0.0000 | 0.0000 | 87.339 | 0.23724 | 0.00000 | 316523.1 | 164885.4 | 100632.1 | S |
| 56.975 | 0.0000 | 0.0000 | 87.339 | 0.23719 | 0.00000 | 316523.1 | 164892.5 | 100632.1 | S |
| 56.983 | 0.0000 | 0.0000 | 87.338 | 0.23715 | 0.00000 | 316523.1 | 164899.6 | 100632.1 | S |
| 56.992 | 0.0000 | 0.0000 | 87.338 | 0.23711 | 0.00000 | 316523.1 | 164906.7 | 100632.1 | S |
| 57.000 | 0.0000 | 0.0000 | 87.338 | 0.23706 | 0.00000 | 316523.1 | 164913.8 | 100632.1 | S |
| 57.008 | 0.0000 | 0.0000 | 87.337 | 0.23702 | 0.00000 | 316523.1 | 164920.9 | 100632.1 | S |
| 57.017 | 0.0000 | 0.0000 | 87.337 | 0.23698 | 0.00000 | 316523.1 | 164928.0 | 100632.1 | S |
| 57.025 | 0.0000 | 0.0000 | 87.336 | 0.23694 | 0.00000 | 316523.1 | 164935.1 | 100632.1 | S |
| 57.033 | 0.0000 | 0.0000 | 87.336 | 0.23689 | 0.00000 | 316523.1 | 164942.3 | 100632.1 | S |
| 57.042 | 0.0000 | 0.0000 | 87.336 | 0.23685 | 0.00000 | 316523.1 | 164949.4 | 100632.1 | S |
| 57.050 | 0.0000 | 0.0000 | 87.335 | 0.23681 | 0.00000 | 316523.1 | 164956.5 | 100632.1 | S |
| 57.058 | 0.0000 | 0.0000 | 87.335 | 0.23677 | 0.00000 | 316523.1 | 164963.6 | 100632.1 | S |
| 57.067 | 0.0000 | 0.0000 | 87.335 | 0.23672 | 0.00000 | 316523.1 | 164970.7 | 100632.1 | S |
| 57.075 | 0.0000 | 0.0000 | 87.334 | 0.23668 | 0.00000 | 316523.1 | 164977.8 | 100632.1 | S |
| 57.083 | 0.0000 | 0.0000 | 87.334 | 0.23664 | 0.00000 | 316523.1 | 164984.9 | 100632.1 | S |
| 57.092 | 0.0000 | 0.0000 | 87.334 | 0.23659 | 0.00000 | 316523.1 | 164992.0 | 100632.1 | S |
| 57.100 | 0.0000 | 0.0000 | 87.333 | 0.23655 | 0.00000 | 316523.1 | 164999.1 | 100632.1 | S |
| 57.108 | 0.0000 | 0.0000 | 87.333 | 0.23651 | 0.00000 | 316523.1 | 165006.2 | 100632.1 | S |
| 57.117 | 0.0000 | 0.0000 | 87.333 | 0.23647 | 0.00000 | 316523.1 | 165013.3 | 100632.1 | S |
| 57.125 | 0.0000 | 0.0000 | 87.332 | 0.23642 | 0.00000 | 376523.1 | 165020.4 | 100632.1 | S |
| 57.133 | 0.0000 | 0.0000 | 87.332 | 0.23638 | 0.00000 | 316523.1 | 165027.4 | 100632.1 | S |
| 57.142 | 0.0000 | 0.0000 | 87.332 | 0.23634 | 0.00000 | 316523.1 | 165034.5 | 100632.1 | S |
| 57.150 | 0.0000 | 0.0000 | 87.331 | 0.23630 | 0.00000 | 316523.1 | 165041.6 | 100632.1 | S |
| 57.158 | 0.0000 | 0.0000 | 87.331 | 0.23625 | 0.00000 | 316523.1 | 165048.7 | 100632.1 | S |
| 57.167 | 0.0000 | 0.0000 | 87,331 | 0.23621 | 0.00000 | 316523.1 | 165055.8 | 100632.1 | S |
| 57.175 | 0.0000 | 0.0000 | 87.330 | 0.23617 | 0.00000 | 316523.7 | 165062.9 | 100632.1 | S |
| 57.183 | 0.0000 | 0.0000 | 87.330 | 0.23613 | 0.00000 | 316523.1 | 165070.0 | 100632.1 | S |
| 57.192 | 0.0000 | 0.0000 | 87.330 | 0.23608 | 0.00000 | 316523.1 | 165077.0 | 100632.1 | S |
| 57.200 | 0.0000 | 0.0000 | 87.329 | 0.23604 | 0.00000 | 316523.1 | 165084.1 | 100632.1 | S |
| 57.208 | 0.0000 | 0.0000 | 87.329 | 0.23600 | 0.00000 | 316523.1 | 165091.2 | 100632.1 | S |
| 57.217 | 0.0000 | 0.0000 | 87.329 | 0.23596 | 0.00000 | 316523.1 | 165098.3 | 100632.1 | S |
| 57.225 | 0.0000 | 0.0000 | 87.328 | 0.23591 | 0.00000 | 316523.1 | 165105.4 | 100632.1 | S |
| 57.233 | 0.0000 | 0.0000 | 87.328 | 0.23587 | 0.00000 | 316523.1 | 165112.5 | 100632.1 | S |
| 57.242 | 0.0000 | 0.0000 | 87.327 | 0.23583 | 0.00000 | 316523.1 | 165119.5 | 100632.1 | S |
| 57.250 | 0.0000 | 0.0000 | 87.327 | 0.23579 | 0.00000 | 316523.1 | 165126.6 | 100632.1 | S |
| 57.258 | 0.0000 | 0.0000 | 87.327 | 0.23575 | 0.00000 | 316523.1 | 165133.7 | 100632.1 | S |
| 57.267 | 0.0000 | 0.0000 | 87.326 | 0.23570 | 0.00000 | 316523.1 | 165140.8 | 100632.1 | S |
| 57.275 | 0.0000 | 0.0000 | 87.326 | 0.23566 | 0.00000 | 316523.1 | 165147.8 | 100632.1 | S |
| 57.283 | 0.0000 | 0.0000 | 87.326 | 0.23562 | 0.00000 | 316523.1 | 165154.9 | 100632.1 | S |
| 57.292 | 0.0000 | 0.0000 | 87.325 | 0.23558 | 0.00000 | 316523.1 | 165162.0 | 100632.1 | S |
| 57.300 | 0.0000 | 0.0000 | 87.325 | 0.23553 | 0.00000 | 316523.1 | 165169.0 | 100632.1 | S |
| 57.308 | 0.0000 | 0.0000 | 87.325 | 0.23549 | 0.00000 | 316523.1 | 165176.1 | 100632.1 | S |
| 57.317 | 0.0000 | 0.0000 | 87.324 | 0.23545 | 0.00000 | 316523.1 | 165183.2 | 100632.1 | S |
| 57.325 | 0.0000 | 0.0000 | 87.324 | 0.23541 | 0.00000 | 316523.1 | 165190.2 | 100632.1 | S |
| 57.333 | 0.0000 | 0.0000 | 87.324 | 0.23536 | 0.00000 | 316523.1 | 165197.3 | 100632.1 | S |
| 57.342 | 0.0000 | 0.0000 | 87.323 | 0.23532 | 0.00000 | 316523.1 | 165204.3 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario $1: \because$ pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 57.350 | 0.0000 | 0.0000 | 87.323 | 0.23528 | 0.00000 | 316523.1 | 165211.4 | 100632.1 | S |
| 57.358 | 0.0000 | 0.0000 | 87.323 | 0.23524 | 0.00000 | 316523.1 | 165218.5 | 100632.1 | S |
| 57.367 | 0.0000 | 0.0000 | 87.322 | 0.23520 | 0.00000 | 316523.1 | 165225.5 | 100632.1 | S |
| 57.375 | 0.0000 | 0.0000 | 87.322 | 0.23515 | 0.00000 | 316523.1 | 165232.6 | 100632.1 | S |
| 57.383 | 0.0000 | 0.0000 | 87.322 | 0.23511 | 0.00000 | 316523.1 | 165239.6 | 100632.1 | S |
| 57.392 | 0.0000 | 0.0000 | 87.321 | 0.23507 | 0.00000 | 316523.1 | 465246.7 | 100632.1 | S |
| 57.400 | 0.0000 | 0.0000 | 87.321 | 0.23503 | 0.00000 | 316523.1 | 165253.7 | 100632.1 | S |
| 57.408 | 0.0000 | 0.0000 | 87.321 | 0.23498 | 0.00000 | 316523.1 | 165260.8 | 100632.1 | S |
| 57.417 | 0.0000 | 0.0000 | 87.320 | 0.23494 | 0.00000 | 316523.1 | 165267.8 | 100632.1 | S |
| 57.425 | 0.0000 | 0.0000 | 87.320 | 0.23490 | 0.00000 | 316523.1 | 165274.9 | 100632.1 | S |
| 57.433 | 0.0000 | 0.0000 | 87.320 | 0.23486 | 0.00000 | 316523.1 | 165281.9 | 100632.1 | S |
| 57.442 | 0.0000 | 0.0000 | 87.319 | 0.23482 | 0.00000 | 316523.1 | 165289.0 | 100632.1 | S |
| 57.450 | 0.0000 | 0.0000 | 87.319 | 0.23477 | 0.00000 | 316523.1 | 165296.0 | 100632.1 | S |
| 57.458 | 0.0000 | 0.0000 | 87.319 | 0.23473 | 0.00000 | 316523.1 | 165303.0 | 100632.1 | S |
| 57.467 | 0.0000 | 0.0000 | 87.318 | 0.23469 | 0.00000 | 316523.1 | 165310.1 | 100632.1 | S |
| 57.475 | 0.0000 | 0.0000 | 87.318 | 0.23465 | 0.00000 | 316523.1 | 165317.1 | 100632.1 | S |
| 57.483 | 0.0000 | 0.0000 | 87.317 | 0.23461 | 0.00000 | 316523.1 | 165324.2 | 100632.1 | S |
| 57.492 | 0.0000 | 0.0000 | 87.317 | 0.23456 | 0.00000 | 316523.1 | 165331.2 | 100632.1 | S |
| 57.500 | 0.0000 | 0.0000 | 87.317 | 0.23452 | 0.00000 | 316523.1 | 165338.2 | 100632.1 | S |
| 57.508 | 0.0000 | 0.0000 | 87.316 | 0.23448 | 0.00000 | 316523.1 | 165345.3 | 100632.1 | S |
| 57.517 | 0.0000 | 0.0000 | 87.316 | 0.23444 | 0.00000 | 316523.1 | 165352.3 | 100632.1 | S |
| 57.525 | 0.0000 | 0.0000 | 87.316 | 0.23440 | 0.00000 | 316523.1 | 165359.3 | 100632.1 | S |
| 57.533 | 0.0000 | 0.0000 | 87.315 | 0.23435 | 0.00000 | 316523.1 | 165366.4 | 100632.1 | S |
| 57.542 | 0.0000 | 0.0000 | 87.315 | 0.23431 | 0.00000 | 316523.1 | 165373.4 | 100632.1 | S |
| 57.550 | 0.0000 | 0.0000 | 87.315 | 0.23427 | 0.00000 | 316523.1 | 165380.4 | 100632.1 | S |
| 57.558 | 0.0000 | 0.0000 | 87.314 | 0.23423 | 0.00000 | 316523.1 | 165387.5 | 100632.1 | S |
| 57.567 | 0.0000 | 0.0000 | 87.314 | 0.23419 | 0.00000 | 316523.1 | 165394.5 | 100632.1 | S |
| 57.575 | 0.0000 | 0.0000 | 87.314 | 0.23415 | 0.00000 | 316523.1 | 165401.5 | 100632.1 | S |
| 57.583 | 0.0000 | 0.0000 | 87.313 | 0.23410 | 0.00000 | 316523.1 | 165408.5 | 100632.1 | S |
| 57.592 | 0.0000 | 0.0000 | 87.313 | 0.23406 | 0.00000 | 316523.1 | 165415.6 | 100632.1 | S |
| 57.600 | 0.0000 | 0.0000 | 87.313 | 0.23402 | 0.00000 | 316523.1 | 165422.6 | 100632.1 | S |
| 57.608 | 0.0000 | 0.0000 | 87.312 | 0.23398 | 0.00000 | 316523.1 | 165429.6 | 100632.1 | S |
| 57.617 | 0.0000 | 0.0000 | 87.312 | 0.23394 | 0.00000 | 316523.1 | 165436.6 | 100632.1 | S |
| 57.625 | 0.0000 | 0.0000 | 87.312 | 0.23389 | 0.00000 | 316523.1 | 165443.6 | 100632.1 | S |
| 57.633 | 0.0000 | 0.0000 | 87.311 | 0.23385 | 0.00000 | 316523.1 | 165450.7 | 100632.1 | S |
| 57.642 | 0.0000 | 0.0000 | 87.311 | 0.23381 | 0.00000 | 316523.1 | 165457.7 | 100632.1 | S |
| 57.650 | 0.0000 | 0.0000 | 87.311 | 0.23377 | 0.00000 | 316523.1 | 165464.7 | 100632.1 | S |
| 57.658 | 0.0000 | 0.0000 | 87.310 | 0.23373 | 0.00000 | 316523.1 | 165471.7 | 100632.1 | S |
| 57.667 | 0.0000 | 0.0000 | 87.310 | 0.23369 | 0.00000 | 316523.1 | 165478.7 | 100632.1 | S |
| 57.675 | 0.0000 | 0.0000 | 87.310 | 0.23364 | 0.00000 | 316523.1 | 165485.7 | 100632.1 | S |
| 57.683 | 0.0000 | 0.0000 | 87.309 | 0.23360 | 0.00000 | 316523.1 | 165492.7 | 100632.1 | S |
| 57.692 | 0.0000 | 0.0000 | 87.309 | 0.23356 | 0.00000 | 316523.1 | 165499.7 | 100632.1 | S |
| 57.700 | 0.0000 | 0.0000 | 87.309 | 0.23352 | 0.00000 | 316523.1 | 165506.7 | 100632.1 | S |
| 57.708 | 0.0000 | 0.0000 | 87.308 | 0.23348 | 0.00000 | 316523.1 | 165513.7 | 100632.1 | S |
| 57.717 | 0.0000 | 0.0000 | 87.308 | 0.23344 | 0.00000 | 316523.1 | 165520.7 | 100632.1 | S |
| 57.725 | 0.0000 | 0.0000 | 87.308 | 0.23339 | 0.00000 | 316523.1 | 165527.8 | 100632.1 | S |
| 57.733 | 0.0000 | 0.0000 | 87.307 | 0.23335 | 0.00000 | 316523.1 | 165534.8 | 100632.1 | S |
| 57.742 | 0.0000 | 0.0000 | 87.307 | 0.23331 | 0.00000 | 316523.1 | 165541.8 | 100632.1 | S |
| 57.750 | 0.0000 | 0.0000 | 87.306 | 0.23327 | 0.00000 | 316523.1 | 165548.8 | 100632.1 | S |
| 57.758 | 0.0000 | 0.0000 | 87.306 | 0.23323 | 0.00000 | 316523.1 | 165555.7 | 100632.1 | S |
| 57.767 | 0.0000 | 0.0000 | 87.306 | 0.23319 | 0.00000 | 316523.1 | 165562.7 | 100632.1 | S |
| 57.775 | 0.0000 | 0.0000 | 87.305 | 0.23314 | 0.00000 | 316523.1 | 165569.7 | 100632.1 | S |
| 57.783 | 0.0000 | 0.0000 | 87.305 | 0.23310 | 0.00000 | 316523.1 | 165576.7 | 100632.1 | S |
| 57.792 | 0.0000 | 0.0000 | 87.305 | 0.23306 | 0.00000 | 316523.1 | 165583.7 | 100632.1 | S |
| 57.800 | 0.0000 | 0.0000 | 87.304 | 0.23302 | 0.00000 | 316523.1 | 165590.7 | 100632.1 | S |
| 57.808 | 0.0000 | 0.0000 | 87.304 | 0.23298 | 0.00000 | 316523.1 | 165597.7 | 100632.1 | S |
| 57.817 | 0.0000 | 0.0000 | 87.304 | 0.23294 | 0.00000 | 316523.1 | 165604.7 | 100632.1 | S |
| 57.825 | 0.0000 | 0.0000 | 87.303 | 0.23290 | 0.00000 | 316523.1 | 165611.7 | 100632.1 | S |
| 57.833 | 0.0000 | 0.0000 | 87.303 | 0.23285 | 0.00000 | 316523.1 | 165618.7 | 100632.1 | S |
| 57.842 | 0.0000 | 0.0000 | 87.303 | 0.23281 | 0.00000 | 316523.1 | 165625.6 | 100632.1 | S |
| 57.850 | 0.0000 | 0.0000 | 87.302 | 0.23277 | 0.00000 | 316523.1 | 165632.6 | 100632.1 | S |
| 57.858 | 0.0000 | 0.0000 | 87.302 | 0.23273 | 0.00000 | 316523.1 | 165639.6 | 100632.1 | S |
| 57.867 | 0.0000 | 0.0000 | 87.302 | 0.23269 | 0.00000 | 316523.1 | 165646.6 | 100632.1 | S |
| 57.875 | 0.0000 | 0.0000 | 87.301 | 0.23265 | 0.00000 | 316523.1 | 165653.6 | 100632.1 | S |
| 57.883 | 0.0000 | 0.0000 | 87.301 | 0.23261 | 0.00000 | 316523.1 | 165660.5 | 100632.1 | S |
| 57.892 | 0.0000 | 0.0000 | 87.301 | 0.23256 | 0.00000 | 316523.1 | 165667.5 | 100632.1 | S |
| 57.900 | 0.0000 | 0.0000 | 87.300 | 0.23252 | 0.00000 | 316523.1 | 165674.5 | 100632.1 | S |
| 57.908 | 0.0000 | 0.0000 | 87.300 | 0.23248 | 0.00000 | 316523.1 | 165681.5 | 100632.1 | S |
| 57.917 | 0.0000 | 0.0000 | 87.300 | 0.23244 | 0.00000 | 316523.1 | 165688.5 | 100632.1 | S |
| 57.925 | 0.0000 | 0.0000 | 87.299 | 0.23240 | 0.00000 | 316523.1 | 165695.4 | 100632.1 | S |
| 57.933 | 0.0000 | 0.0000 | 87.299 | 0.23236 | 0.00000 | 316523.1 | 165702.4 | 100632.1 | S |
| 57.942 | 0.0000 | 0.0000 | 87.299 | 0.23232 | 0.00000 | 316523.1 | 165709.4 | 100632.1 | S |
| 57.950 | 0.0000 | 0.0000 | 87.298 | 0.23227 | 0.00000 | 316523.1 | 165716.3 | 100632.1 | S |
| 57.958 | 0.0000 | 0.0000 | 87.298 | 0.23223 | 0.00000 | 316523.1 | 165723.3 | 100632.1 | S |

PONDS Version 3.2.0207

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{3} / \mathrm{s}$ ) | Outside Recharge (fivday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow <br> Discharge ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{t}^{3}$ ) | Cumulative Infilitration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 57.967 | 0.0000 | 0.0000 | 87.298 | 0.23219 | 0.00000 | 316523.1 | 165730.3 | 100632.1 | S |
| 57.975 | 0.0000 | 0.0000 | 87.297 | 0.23215 | 0.00000 | 316523.1 | 165737.2 | 100632.1 | S |
| 57.983 | 0.0000 | 0.0000 | 87.297 | 0.23211 | 0.00000 | 316523.1 | 165744.2 | 100632.1 | S |
| 57.992 | 0.0000 | 0.0000 | 87.297 | 0.23207 | 0.00000 | 316523.1 | 165751.2 | 100632.1 | S |
| 58.000 | 0.0000 | 0.0000 | 87.296 | 0.23203 | 0.00000 | 316523.1 | 165758.1 | 100632.1 | S |
| 58.008 | 0.0000 | 0.0000 | 87.296 | 0.23199 | 0.00000 | 316523.1 | 165765.1 | 100632.1 | S |
| 58.017 | 0.0000 | 0.0000 | 87.296 | 0.23195 | 0.00000 | 316523.1 | 165772.0 | 100632.1 | S |
| 58.025 | 0.0000 | 0.0000 | 87.295 | 0.23190 | 0.00000 | 316523.1 | 165779.0 | 100632.1 | S |
| 58.033 | 0.0000 | 0.0000 | 87.295 | 0.23186 | 0.00000 | 316523.1 | 165786.0 | 100632.1 | S |
| 58.042 | 0.0000 | 0.0000 | 87.295 | 0.23182 | 0.00000 | 316523.1 | 165792.9 | 100632.1 | S |
| 58.050 | 0.0000 | 0.0000 | 87.294 | 0.23178 | 0.00000 | 316523.1 | 165799.9 | 100632.1 | S |
| 58.058 | 0.0000 | 0.0000 | 87.294 | 0.23174 | 0.00000 | 316523.1 | 165806.8 | 100632.1 | S |
| 58.067 | 0.0000 | 0.0000 | 87.293 | 0.23170 | 0.00000 | 316523.1 | 165813.8 | 100632.1 | S |
| 58.075 | 0.0000 | 0.0000 | 87.293 | 0.23166 | 0.00000 | 316523.1 | 165820.7 | 100632.1 | S |
| 58.083 | 0.0000 | 0.0000 | 87.293 | 0.23162 | 0.00000 | 316523.1 | 165827.7 | 100632.1 | S |
| 58.092 | 0.0000 | 0.0000 | 87.292 | 0.23158 | 0.00000 | 316523.1 | 165834.6 | 100632.1 | S |
| 58.100 | 0.0000 | 0.0000 | 87.292 | 0.23153 | 0.00000 | 316523.1 | 165841.6 | 100632.1 | S |
| 58.108 | 0.0000 | 0.0000 | 87.292 | 0.23149 | 0.00000 | 316523.1 | 165848.5 | 100632.1 | S |
| 58.117 | 0.0000 | 0.0000 | 87.291 | 0.23145 | 0.00000 | 376523.1 | 165855.5 | 100632.1 | 5 |
| 58.125 | 0.0000 | 0.0000 | 87.291 | 0.23141 | 0.00000 | 316523.1 | 165862.4 | 100632.1 | S |
| 58.133 | 0.0000 | 0.0000 | 87.291 | 0.23137 | 0.00000 | 316523.1 | 165869.3 | 100632.1 | S |
| 58.142 | 0.0000 | 0.0000 | 87.290 | 0.23133 | 0.00000 | 316523.1 | 165876.3 | 100632.1 | S |
| 58.150 | 0.0000 | 0.0000 | 87.290 | 0.23129 | 0.00000 | 316523.1 | 165883.2 | 100632.1 | S |
| 58.158 | 0.0000 | 0.0000 | 87.290 | 0.23125 | 0.00000 | 316523.1 | 165890.2 | 100632.1 | S |
| 58.167 | 0.0000 | 0.0000 | 87.289 | 0.23121 | 0.00000 | 316523.1 | 165897.1 | 100632.1 | S |
| 58.175 | 0.0000 | 0.0000 | 87.289 | 0.23117 | 0.00000 | 316523.1 | 165904.0 | 100632.1 | S |
| 58.183 | 0.0000 | 0.0000 | 87.289 | 0.23112 | 0.00000 | 316523.1 | 165911.0 | 100632.1 | S |
| 58.192 | 0.0000 | 0.0000 | 87.288 | 0.23108 | 0.00000 | 316523.1 | 165917.9 | 100632.1 | S |
| 58.200 | 0.0000 | 0.0000 | 87.288 | 0.23104 | 0.00000 | 316523.1 | 165924.8 | 100632.1 | S |
| 58.208 | 0.0000 | 0.0000 | 87.288 | 0.23100 | 0.00000 | 316523.1 | 165931.8 | 100632.1 | S |
| 58.217 | 0.0000 | 0.0000 | 87.287 | 0.23096 | 0.00000 | 316523.1 | 165938.7 | 100632.1 | S |
| 58.225 | 0.0000 | 0.0000 | 87.287 | 0.23092 | 0.00000 | 316523.1 | 165945.6 | 100632.1 | S |
| 58.233 | 0.0000 | 0.0000 | 87.287 | 0.23088 | 0.00000 | 316523.1 | 165952.5 | 100632.1 | S |
| 58.242 | 0.0000 | 0.0000 | 87.286 | 0.23084 | 0.00000 | 316523.1 | 165959.5 | 100632.1 | S |
| 58.250 | 0.0000 | 0.0000 | 87.286 | 0.23080 | 0.00000 | 316523.1 | 165966.4 | 100632.1 | S |
| 58.258 | 0.0000 | 0.0000 | 87.286 | 0.23076 | 0.00000 | 316523.1 | 165973.3 | 100632.1 | S |
| 58.267 | 0.0000 | 0.0000 | 87.285 | 0.23072 | 0.00000 | 316523.1 | 165980.3 | 100632.1 | S |
| 58.275 | 0.0000 | 0.0000 | 87.285 | 0.23068 | 0.00000 | 316523.1 | 165987.2 | 100632.1 | S |
| 58.283 | 0.0000 | 0.0000 | 87.285 | 0.23063 | 0.00000 | 316523.1 | 165994.1 | 100632.1 | S |
| 58.292 | 0.0000 | 0.0000 | 87.284 | 0.23059 | 0.00000 | 316523.1 | 166001.0 | 100632.1 | S |
| 58.300 | 0.0000 | 0.0000 | 87.284 | 0.23055 | 0.00000 | 316523.1 | 166007.9 | 100632.1 | S |
| 58.308 | 0.0000 | 0.0000 | 87.284 | 0.23051 | 0.00000 | 316523.1 | 166014.8 | 100632.1 | S |
| 58.317 | 0.0000 | 0.0000 | 87.283 | 0.23047 | 0.00000 | 316523.1 | 166021.8 | 100632.1 | S |
| 58.325 | 0.0000 | 0.0000 | 87.283 | 0.23043 | 0.00000 | 316523.1 | 166028.7 | 100632.1 | S |
| 58.333 | 0.0000 | 0.0000 | 87.283 | 0.23039 | 0.00000 | 316523.1 | 166035.6 | 100632.1 | S |
| 58.342 | 0.0000 | 0.0000 | 87.282 | 0.23035 | 0.00000 | 316523.1 | 166042.5 | 100632.1 | S |
| 58.350 | 0.0000 | 0.0000 | 87.282 | 0.23031 | 0.00000 | 316523.1 | 166049.4 | 100632.1 | S |
| 58.358 | 0.0000 | 0.0000 | 87.282 | 0.23027 | 0.00000 | 316523.1 | 166056.3 | 100632.1 | S |
| 58.367 | 0.0000 | 0.0000 | 87.281 | 0.23023 | 0.00000 | 316523.1 | 166063.2 | 100632.1 | S |
| 58.375 | 0.0000 | 0.0000 | 87.281 | 0.23019 | 0.00000 | 316523.1 | 166070.1 | 100632.1 | S |
| 58.383 | 0.0000 | 0.0000 | 87.281 | 0.23015 | 0.00000 | 316523.1 | 166077.0 | 100632.1 | S |
| 58.392 | 0.0000 | 0.0000 | 87.280 | 0.23011 | 0.00000 | 316523.1 | 166083.9 | 100632.1 | S |
| 58.400 | 0.0000 | 0.0000 | 87.280 | 0.23006 | 0.00000 | 316523.1 | 166090.8 | 100632.1 | S |
| 58.408 | 0.0000 | 0.0000 | 87.280 | 0.23002 | 0.00000 | 316523.1 | 166097.7 | 100632.1 | S |
| 58.417 | 0.0000 | 0.0000 | 87.279 | 0.22998 | 0.00000 | 316523.1 | 166104.6 | 100632.1 | S |
| 58.425 | 0.0000 | 0.0000 | 87.279 | 0.22994 | 0.00000 | 316523.1 | 166111.5 | 100632.1 | S |
| 58.433 | 0.0000 | 0.0000 | 87.279 | 0.22990 | 0.00000 | 316523.1 | 166118.4 | 100632.1 | S |
| 58.442 | 0.0000 | 0.0000 | 87.278 | 0.22986 | 0.00000 | 316523.1 | 166125.3 | 100632.1 | S |
| 58.450 | 0.0000 | 0.0000 | 87.278 | 0.22982 | 0.00000 | 316523.1 | 166132.2 | 100632.1 | 5 |
| 58.458 | 0.0000 | 0.0000 | 87.277 | 0.22978 | 0.00000 | 316523.1 | 156139.1 | 100632.1 | S |
| 58.467 | 0.0000 | 0.0000 | 87.277 | 0.22974 | 0.00000 | 316523.1 | 166146.0 | 100632.1 | S |
| 58.475 | 0.0000 | 0.0000 | 87.277 | 0.22970 | 0.00000 | 316523.1 | 166152.9 | 100632.1 | S |
| 58.483 | 0.0000 | 0.0000 | 87.276 | 0.22966 | 0.00000 | 316523.1 | 166159.8 | 100632.1 | S |
| 58.492 | 0.0000 | 0.0000 | 87.276 | 0.22962 | 0.00000 | 316523.1 | 166166.7 | 100632.1 | S |
| 58.500 | 0.0000 | 0.0000 | 87.276 | 0.22958 | 0.00000 | 316523.1 | 166173.6 | 100632.1 | S |
| 58.508 | 0.0000 | 0.0000 | 87.275 | 0.22954 | 0.00000 | 316523.1 | 166180.5 | 100632.1 | S |
| 58.517 | 0.0000 | 0.0000 | 87.275 | 0.22950 | 0.00000 | 316523.1 | 166187.3 | 100632.1 | S |
| 58.525 | 0.0000 | 0.0000 | 87.275 | 0.22946 | 0.00000 | 316523.1 | 166194.2 | 100632.1 | S |
| 58.533 | 0.0000 | 0.0000 | 87.274 | 0.22942 | 0.00000 | 316523.1 | 166201.1 | 100632.1 | S |
| 58.542 | 0.0000 | 0.0000 | 87.274 | 0.22938 | 0.00000 | 316523.1 | 166208.0 | 100632.1 | S |
| 58.550 | 0.0000 | 0.0000 | 87.274 | 0.22934 | 0.00000 | 316523.1 | 166214.9 | 100632.1 | S |
| 58.558 | 0.0000 | 0.0000 | 87.273 | 0.22930 | 0.00000 | 316523.1 | 166221.8 | 100632.1 | S |
| 58.567 | 0.0000 | 0.0000 | 87.273 | 0.22926 | 0.00000 | 316523.1 | 166228.6 | 100632.1 | S |
| 58.575 | 0.0000 | 0.0000 | 87.273 | 0.22922 | 0.00000 | 316523.1 | 166235.5 | 100632.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate (fliss) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{t}^{3 / 1 /}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{\mathrm{s}}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume (ft ${ }^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 58.583 | 0.0000 | 0.0000 | 87.272 | 0.22918 | 0.00000 | 316523.1 | 166242.4 | 100632.1 | S |
| 58.592 | 0.0000 | 0.0000 | 87.272 | 0.22913 | 0.00000 | 316523.1 | 166249.3 | 100632.1 | S |
| 58.600 | 0.0000 | 0.0000 | 87.272 | 0.22909 | 0.00000 | 316523.1 | 166256.1 | 100632.1 | S |
| 58.608 | 0.0000 | 0.0000 | 87.271 | 0.22905 | 0.00000 | 316523.1 | 166263.0 | 100632.1 | S |
| 58.617 | 0.0000 | 0.0000 | 87.271 | 0.22901 | 0.00000 | 316523.1 | 166269.9 | 100632.1 | S |
| 58.625 | 0.0000 | 0.0000 | 87.271 | 0.22897 | 0.00000 | 316523.1 | 166276.7 | 100632.1 | S |
| 58.633 | 0.0000 | 0.0000 | 87.270 | 0.22893 | 0.00000 | 316523.1 | 166283.6 | 100632.1 | S |
| 58.642 | 0.0000 | 0.0000 | 87.270 | 0.22889 | 0.00000 | 316523.1 | 166290.5 | 100632.1 | S |
| 58.650 | 0.0000 | 0.0000 | 87.270 | 0.22885 | 0.00000 | 316523.1 | 166297.3 | 100632.4 | S |
| 58.658 | 0.0000 | 0.0000 | 87.269 | 0.22881 | 0.00000 | 316523.1 | 166304.2 | 100632.1 | S |
| 58.667 | 0.0000 | 0.0000 | 87.269 | 0.22877 | 0.00000 | 316523.1 | 166311.1 | 100632.1 | S |
| 58.675 | 0.0000 | 0.0000 | 87.269 | 0.22873 | 0.00000 | 316523.1 | 166317.9 | 100632.1 | S |
| 58.683 | 0.0000 | 0.0000 | 87.268 | 0.22869 | 0.00000 | 316523.1 | 166324.8 | 100632.1 | S |
| 58.692 | 0.0000 | 0.0000 | 87.268 | 0.22865 | 0.00000 | 316523.1 | 166331.7 | 100632.1 | S |
| 58.700 | 0.0000 | 0.0000 | 87.268 | 0.22861 | 0.00000 | 316523.1 | 166338.5 | 100632.1 | S |
| 58.708 | 0.0000 | 0.0000 | 87.267 | 0.22857 | 0.00000 | 316523.1 | 166345.4 | 100632.1 | S |
| 58.717 | 0.0000 | 0.0000 | 87.267 | 0.22853 | 0.00000 | 316523.1 | 166352.2 | 100632.1 | S |
| 58.725 | 0.0000 | 0.0000 | 87.267 | 0.22849 | 0.00000 | 316523.1 | 166359.1 | 100632.1 | S |
| 58.733 | 0.0000 | 0.0000 | 87.266 | 0.22845 | 0.00000 | 316523.1 | 166365.9 | 100632.1 | S |
| 58.742 | 0.0000 | 0.0000 | 87.266 | 0.22841 | 0.00000 | 316523.1 | 166372.8 | 100632.1 | S |
| 58.750 | 0.0000 | 0.0000 | 87.266 | 0.22837 | 0.00000 | 316523.1 | 166379.6 | 100632.1 | S |
| 58.758 | 0.0000 | 0.0000 | 87.265 | 0.22833 | 0.00000 | 316523.1 | 166386.5 | 100632.1 | S |
| 58.767 | 0.0000 | 0.0000 | 87.265 | 0.22829 | 0.00000 | 316523.1 | 166393.3 | 100632.1 | S |
| 58.775 | 0.0000 | 0.0000 | 87.265 | 0.22825 | 0.00000 | 316523.1 | 166400.2 | 100632.1 | S |
| 58.783 | 0.0000 | 0.0000 | 87.264 | 0.22821 | 0.00000 | 316523.1 | 166407.0 | 100632.1 | S |
| 58.792 | 0.0000 | 0.0000 | 87.264 | 0.22817 | 0.00000 | 316523.1 | 166413.9 | 100632.1 | S |
| 58.800 | 0.0000 | 0.0000 | 87.264 | 0.22813 | 0.00000 | 316523.1 | 166420.7 | 100632.1 | S |
| 58.808 | 0.0000 | 0.0000 | 87.263 | 0.22809 | 0.00000 | 316523.1 | 166427.6 | 100632.1 | S |
| 58.817 | 0.0000 | 0.0000 | 87.263 | 0.22805 | 0.00000 | 316523.1 | 166434.4 | 100632.1 | S |
| 58.825 | 0.0000 | 0.0000 | 87.263 | 0.22801 | 0.00000 | 316523.1 | 166441.3 | 100632.1 | S |
| 58.833 | 0.0000 | 0.0000 | 87.262 | 0.22797 | 0.00000 | 316523.1 | 166448.1 | 100632.1 | S |
| 58.842 | 0.0000 | 0.0000 | 87.262 | 0.22793 | 0.00000 | 316523.1 | 166454.9 | 100632.1 | S |
| 58.850 | 0.0000 | 0.0000 | 87.262 | 0.22789 | 0.00000 | 316523.1 | 166461.8 | 100632.1 | S |
| 58.858 | 0.0000 | 0.0000 | 87.261 | 0.22785 | 0.00000 | 316523.1 | 166468.6 | 100632.1 | S |
| 58.867 | 0.0000 | 0.0000 | 87.261 | 0.22781 | 0.00000 | 316523.1 | 166475.4 | 100632.1 | S |
| 58.875 | 0.0000 | 0.0000 | 87.261 | 0.22777 | 0.00000 | 316523.1 | 166482.3 | 100632.1 | S |
| 58.883 | 0.0000 | 0.0000 | 87.260 | 0.22773 | 0.00000 | 316523.1 | 166489.1 | 100632.1 | S |
| 58.892 | 0.0000 | 0.0000 | 87.260 | 0.22769 | 0.00000 | 316523.1 | 166495.9 | 100632.1 | S |
| 58.900 | 0.0000 | 0.0000 | 87.260 | 0.22765 | 0.00000 | 316523.1 | 166502.8 | 100632.1 | S |
| 58.908 | 0.0000 | 0.0000 | 87.259 | 0.22761 | 0.00000 | 316523.1 | 166509.6 | 100632.1 | S |
| 58.917 | 0.0000 | 0.0000 | 87.259 | 0.22757 | 0.00000 | 316523.1 | 166516.4 | 100632.1 | S |
| 58.925 | 0.0000 | 0.0000 | 87.259 | 0.22753 | 0.00000 | 316523.1 | 166523.3 | 100632.1 | S |
| 58.933 | 0.0000 | 0.0000 | 87.258 | 0.22749 | 0.00000 | 316523.1 | 166530.1 | 100632.1 | S |
| 58.942 | 0.0000 | 0.0000 | 87.258 | 0.22745 | 0.00000 | 316523.1 | 166536.9 | 100632.1 | S |
| 58.950 | 0.0000 | 0.0000 | 87.258 | 0.22741 | 0.00000 | 316523.1 | 166543.7 | 100632.1 | S |
| 58.958 | 0.0000 | 0.0000 | 87.257 | 0.22737 | 0.00000 | 316523.1 | 166550.5 | 100632.1 | S |
| 58.967 | 0.0000 | 0.0000 | 87.257 | 0.22733 | 0.00000 | 316523.1 | 166557.4 | 100632.1 | S |
| 58.975 | 0.0000 | 0.0000 | 87.257 | 0.22729 | 0.00000 | 316523.1 | 166564.2 | 100632.1 | S |
| 58.983 | 0.0000 | 0.0000 | 87.256 | 0.22725 | 0.00000 | 316523.1 | 166571.0 | 100632.1 | S |
| 58.992 | 0.0000 | 0.0000 | 87.256 | 0.22721 | 0.00000 | 316523.1 | 166577.8 | 100632.1 | S |
| 59.000 | 0.0000 | 0.0000 | 87.256 | 0.22718 | 0.00000 | 316523.1 | 166584.6 | 100632.1 | S |
| 59.008 | 0.0000 | 0.0000 | 87.255 | 0.22714 | 0.00000 | 316523.1 | 166591.5 | 100632.1 | S |
| 59.017 | 0.0000 | 0.0000 | 87.255 | 0.22710 | 0.00000 | 316523.1 | 166598.3 | 100632.1 | S |
| 59.025 | 0.0000 | 0.0000 | 87.255 | 0.22706 | 0.00000 | 316523.1 | 166605.1 | 100632.1 | S |
| 59.033 | 0.0000 | 0.0000 | 87.254 | 0.22702 | 0.00000 | 316523.1 | 166611.9 | 100632.1 | S |
| 59.042 | 0.0000 | 0.0000 | 87.254 | 0.22698 | 0.00000 | 316523.1 | 166618.7 | 100632.1 | S |
| 59.050 | 0.0000 | 0.0000 | 87.254 | 0.22694 | 0.00000 | 316523.1 | 166625.5 | 100632.1 | S |
| 59.058 | 0.0000 | 0.0000 | 87.253 | 0.22690 | 0.00000 | 316523.1 | 166632.3 | 100632.1 | S |
| 59.067 | 0.0000 | 0.0000 | 87.253 | 0.22686 | 0.00000 | 316523.1 | 166639.1 | 100632.1 | S |
| 59.075 | 0.0000 | 0.0000 | 87.253 | 0.22682 | 0.00000 | 316523.1 | 166645.9 | 100632.1 | S |
| 59.083 | 0.0000 | 0.0000 | 87.252 | 0.22678 | 0.00000 | 316523.1 | 166652.7 | 100632.1 | S |
| 59.092 | 0.0000 | 0.0000 | 87.252 | 0.22674 | 0.00000 | 316523.1 | 166659.5 | 100632.1 | S |
| 59.100 | 0.0000 | 0.0000 | 87.252 | 0.22670 | 0.00000 | 316523.1 | 166666.3 | 100632.1 | S |
| 59.108 | 0.0000 | 0.0000 | 87.251 | 0.22666 | 0.00000 | 316523.1 | 166673.1 | 100632.1 | S |
| 59.117 | 0.0000 | 0.0000 | 87.251 | 0.22662 | 0.00000 | 316523.1 | 166679.9 | 100632.1 | S |
| 59.125 | 0.0000 | 0.0000 | 87.250 | 0.22658 | 0.00000 | 316523.1 | 166686.7 | 100632.1 | S |
| 59.133 | 0.0000 | 0.0000 | 87.250 | 0.22654 | 0.00000 | 316523.1 | 166693.5 | 100632.1 | S |
| 59.142 | 0.0000 | 0.0000 | 87.250 | 0.22650 | 0.00000 | 316523.1 | 166700.3 | 100632.1 | S |
| 59.150 | 0.0000 | 0.0000 | 87.249 | 0.22646 | 0.00000 | 316523.1 | 166707.1 | 100632.1 | S |
| 59.158 | 0.0000 | 0.0000 | 87.249 | 0.22642 | 0.00000 | 316523.1 | 166713.9 | 100632.1 | S |
| 59.167 | 0.0000 | 0.0000 | 87.249 | 0.22638 | 0.00000 | 316523.1 | 166720.7 | 100632.1 | S |
| 59.175 | 0.0000 | 0.0000 | 87.248 | 0.22634 | 0.00000 | 316523.1 | 166727.5 | 100632.1 | S |
| 59.183 | 0.0000 | 0.0000 | 87.248 | 0.22630 | 0.00000 | 316523.1 | 166734.3 | 100632.1 | S |
| 59.192 | 0.0000 | 0.0000 | 87.248 | 0.22627 | 0.00000 | 316523.1 | 166741.1 | 100632.1 | S |

# PONDS Version 3.2.0207 <br> Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E. 

Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation ( f datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{fl}^{3 / 5}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume (fi3) | Flow |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 59.200 | 0.0000 | 0.0000 | 87.247 | 0.22623 | 0.00000 | 316523.1 | 166747.9 | 100632.1 | S |
| 59.208 | 0.0000 | 0.0000 | 87.247 | 0.22619 | 0.00000 | 316523.1 | 166754.6 | 100632.1 | S |
| 59.217 | 0.0000 | 0.0000 | 87.247 | 0.22615 | 0.00000 | 316523.1 | 166761.4 | 100632.1 | S |
| 59.225 | 0.0000 | 0.0000 | 87.246 | 0.22611 | 0.00000 | 316523.1 | 166768.2 | 100632.1 | S |
| 59.233 | 0.0000 | 0.0000 | 87.246 | 0.22607 | 0.00000 | 316523.1 | 166775.0 | 100632.1 | S |
| 59.242 | 0.0000 | 0.0000 | 87.246 | 0.22603 | 0.00000 | 316523.1 | 166781.8 | 100632.1 | S |
| 59.250 | 0.0000 | 0.0000 | 87.245 | 0.22599 | 0.00000 | 316523.1 | 166788.6 | 100632.1 | S |
| 59.258 | 0.0000 | 0.0000 | 87.245 | 0.22595 | 0.00000 | 316523.1 | 166795.3 | 100632.1 | S |
| 59.267 | 0.0000 | 0.0000 | 87.245 | 0.22591 | 0.00000 | 316523.1 | 166802.1 | 100632.1 | S |
| 59.275 | 0.0000 | 0.0000 | 87.244 | 0.22587 | 0.00000 | 316523.1 | 166808.9 | 100632.1 | S |
| 59.283 | 0.0000 | 0.0000 | 87.244 | 0.22583 | 0.00000 | 316523.1 | 166815.7 | 100632.1 | S |
| 59.292 | 0.0000 | 0.0000 | 87.244 | 0.22579 | 0.00000 | 316523.1 | 166822.4 | 100632.1 | S |
| 59.300 | 0.0000 | 0.0000 | 87.243 | 0.22575 | 0.00000 | 316523.1 | 166829.2 | 100632.1 | S |
| 59.308 | 0.0000 | 0.0000 | 87.243 | 0.22571 | 0.00000 | 316523.1 | 166836.0 | 100632.1 | S |
| 59.317 | 0.0000 | 0.0000 | 87.243 | 0.22568 | 0.00000 | 316523.1 | 166842.8 | 100632.1 | S |
| 59.325 | 0.0000 | 0.0000 | 87.242 | 0.22564 | 0.00000 | 316523.1 | 166849.5 | 100632.1 | S |
| 59.333 | 0.0000 | 0.0000 | 87.242 | 0.22560 | 0.00000 | 316523.1 | 166856.3 | 100632.1 | S |
| 59.342 | 0.0000 | 0.0000 | 87.242 | 0.22556 | 0.00000 | 316523.1 | 166863.1 | 100632.1 | S |
| 59.350 | 0.0000 | 0.0000 | 87.241 | 0.22552 | 0.00000 | 316523.1 | 166869.8 | 100632.1 | S |
| 59.358 | 0.0000 | 0.0000 | 87.241 | 0.22548 | 0.00000 | 316523.1 | 166876.6 | 100632.1 | S |
| 59.367 | 0.0000 | 0.0000 | 87.241 | 0.22544 | 0.00000 | 316523.1 | 166883.4 | 100632.1 | S |
| 59.375 | 0.0000 | 0.0000 | 87.240 | 0.22540 | 0.00000 | 316523.1 | 166890.1 | 100632.1 | S |
| 59.383 | 0.0000 | 0.0000 | 87.240 | 0.22536 | 0.00000 | 316523.1 | 166896.9 | 100632.1 | S |
| 59.392 | 0.0000 | 0.0000 | 87.240 | 0.22532 | 0.00000 | 316523.1 | 166903.6 | 100632.1 | S |
| 59.400 | 0.0000 | 0.0000 | 87.239 | 0.22528 | 0.00000 | 316523.1 | 166910.4 | 100632.1 | S |
| 59.408 | 0.0000 | 0.0000 | 87.239 | 0.22524 | 0.00000 | 316523.1 | 166917.2 | 100632.1 | S |
| 59.417 | 0.0000 | 0.0000 | 87.239 | 0.22521 | 0.00000 | 316523.1 | 166923.9 | 100632.1 | S |
| 59.425 | 0.0000 | 0.0000 | 87.238 | 0.22517 | 0.00000 | 316523.1 | 166930.7 | 100632.1 | S |
| 59.433 | 0.0000 | 0.0000 | 87.238 | 0.22513 | 0.00000 | 316523.1 | 166937.4 | 100632.1 | S |
| 59.442 | 0.0000 | 0.0000 | 87.238 | 0.22509 | 0.00000 | 316523.1 | 166944.2 | 100632.1 | S |
| 59.450 | 0.0000 | 0.0000 | 87.237 | 0.22505 | 0.00000 | 316523.1 | 166950.9 | 100632.1 | S |
| 59.458 | 0.0000 | 0.0000 | 87.237 | 0.22501 | 0.00000 | 316523.1 | 166957.7 | 100632.1 | S |
| 59.467 | 0.0000 | 0.0000 | 87.237 | 0.22497 | 0.00000 | 316523.1 | 166964.4 | 100632.1 | S |
| 59.475 | 0.0000 | 0.0000 | 87.236 | 0.22493 | 0.00000 | 316523.1 | 166971.2 | 100632.1 | S |
| 59.483 | 0.0000 | 0.0000 | 87.236 | 0.22489 | 0.00000 | 316523.1 | 166977.9 | 100632.1 | S |
| 59.492 | 0.0000 | 0.0000 | 87.236 | 0.22485 | 0.00000 | 316523.1 | 166984.7 | 100632.1 | S |
| 59.500 | 0.0000 | 0.0000 | 87.235 | 0.22481 | 0.00000 | 316523.1 | 166991.4 | 100632.1 | S |
| 59.508 | 0.0000 | 0.0000 | 87.235 | 0.22478 | 0.00000 | 316523.1 | 166898.2 | 100632.1 | S |
| 59.517 | 0.0000 | 0.0000 | 87.235 | 0.22474 | 0.00000 | 316523.1 | 167004.9 | 100632.1 | S |
| 59.525 | 0.0000 | 0.0000 | 87.234 | 0.22470 | 0.00000 | 316523.1 | 167011.7 | 100632.1 | S |
| 59.533 | 0.0000 | 0.0000 | 87.234 | 0.22466 | 0.00000 | 316523.1 | 167018.4 | 100632.1 | S |
| 59.542 | 0.0000 | 0.0000 | 87.234 | 0.22462 | 0.00000 | 316523.1 | 167025.1 | 100632.1 | S |
| 59.550 | 0.0000 | 0.0000 | 87.233 | 0.22458 | 0.00000 | 316523.1 | 167031.9 | 100632.1 | S |
| 59.558 | 0.0000 | 0.0000 | 87.233 | 0.22454 | 0.00000 | 316523.1 | 167038.6 | 100632.1 | S |
| 59.567 | 0.0000 | 0.0000 | 87.233 | 0.22450 | 0.00000 | 316523.1 | 167045.3 | 100632.1 | S |
| 59.575 | 0.0000 | 0.0000 | 87.232 | 0.22446 | 0.00000 | 316523.1 | 167052.1 | 100632.1 | S |
| 59.583 | 0.0000 | 0.0000 | 87.232 | 0.22443 | 0.00000 | 316523.1 | 167058.8 | 100632.1 | S |
| 59.592 | 0.0000 | 0.0000 | 87.232 | 0.22439 | 0.00000 | 316523.1 | 167065.5 | 100632.1 | S |
| 59.600 | 0.0000 | 0.0000 | 87.231 | 0.22435 | 0.00000 | 316523.1 | 167072.3 | 100632.1 | S |
| 59.608 | 0.0000 | 0.0000 | 87.231 | 0.22431 | 0.00000 | 316523.1 | 167079.0 | 100632.1 | S |
| 59.617 | 0.0000 | 0.0000 | 87.231 | 0.22427 | 0.00000 | 316523.1 | 167085.7 | 100632.1 | S |
| 59.625 | 0.0000 | 0.0000 | 87.230 | 0.22423 | 0.00000 | 316523.1 | 167092.5 | 100632.1 | S |
| 59.633 | 0.0000 | 0.0000 | 87.230 | 0.22419 | 0.00000 | 316523.1 | 167099.2 | 100632.1 | S |
| 59.642 | 0.0000 | 0.0000 | 87.230 | 0.22415 | 0.00000 | 316523.1 | 167105.9 | 100632.1 | S |
| 59.650 | 0.0000 | 0.0000 | 87.229 | 0.22411 | 0.00000 | 316523.1 | 167112.6 | 100632.1 | S |
| 59.658 | 0.0000 | 0.0000 | 87.229 | 0.22408 | 0.00000 | 316523.1 | 167119.4 | 100632.1 | S |
| 59.667 | 0.0000 | 0.0000 | 87.229 | 0.22404 | 0.00000 | 316523.1 | 167126.1 | 100632.1 | S |
| 59.675 | 0.0000 | 0.0000 | 87.228 | 0.22400 | 0.00000 | 316523.1 | 167132.8 | 100632.1 | S |
| 59.683 | 0.0000 | 0.0000 | 87.228 | 0.22396 | 0.00000 | 316523.1 | 167139.5 | 100632.1 | S |
| 59.692 | 0.0000 | 0.0000 | 87.228 | 0.22392 | 0.00000 | 316523.1 | 167146.2 | 100632.1 | S |
| 59.700 | 0.0000 | 0.0000 | 87.227 | 0.22388 | 0.00000 | 316523.1 | 167153.0 | 100632.1 | S |
| 59.708 | 0.0000 | 0.0000 | 87.227 | 0.22384 | 0.00000 | $3\} 6523.1$ | 167159.7 | 100632.1 | S |
| 59.717 | 0.0000 | 0.0000 | 87.227 | 0.22381 | 0.00000 | 316523.1 | 167166.4 | 100632.1 | S |
| 59.725 | 0.0000 | 0.0000 | 87.226 | 0.22377 | 0.00000 | 316523.1 | 167173.1 | 100632.1 | S |
| 59.733 | 0.0000 | 0.0000 | 87.226 | 0.22373 | 0.00000 | 316523.1 | 167179.8 | 100632.1 | S |
| 59.742 | 0.0000 | 0.0000 | 87.226 | 0.22369 | 0.00000 | 316523.1 | 167186.5 | 100632.1 | S |
| 59.750 | 0.0000 | 0.0000 | 87.225 | 0.22365 | 0.00000 | 316523.1 | 167193.2 | 100632.1 | S |
| 59.758 | 0.0000 | 0.0000 | 87.225 | 0.22361 | 0.00000 | 316523.1 | 167199.9 | 100632.1 | S |
| 59.767 | 0.0000 | 0.0000 | 87.225 | 0.22357 | 0.00000 | 316523.1 | 167206.6 | 100632.1 | S |
| 59.775 | 0.0000 | 0.0000 | 87.224 | 0.22353 | 0.00000 | 316523.1 | 167213.4 | 100632.1 | S |
| 59.783 | 0.0000 | 0.0000 | 87.224 | 0.22350 | 0.00000 | 316523.1 | 167220.1 | 100632.1 | S |
| 59.792 | 0.0000 | 0.0000 | 87.224 | 0.22346 | 0.00000 | 316523.1 | 167226.8 | 100632.1 | S |
| 59.800 | 0.0000 | 0.0000 | 87.223 | 0.22342 | 0.00000 | 316523.1 | 167233.5 | 100632.1 | S |
| 59.808 | 0.0000 | 0.0000 | 87.223 | 0.22338 | 0.00000 | 316523.1 | 167240.2 | 100632.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | inflow <br> Rate <br> ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (fvday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{fl}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 59.817 | 0.0000 | 0.0000 | 87.223 | 0.22334 | 0.00000 | 316523.1 | 167246.9 | 100632.1 | S |
| 59.825 | 0.0000 | 0.0000 | 87.222 | 0.22330 | 0.00000 | 316523.1 | 167253.6 | 100632.1 | S |
| 59.833 | 0.0000 | 0.0000 | 87.222 | 0.22326 | 0.00000 | 316523.1 | 167260.3 | 100632.1 | S |
| 59.842 | 0.0000 | 0.0000 | 87.222 | 0.22323 | 0.00000 | 316523.1 | 167267.0 | 100632.1 | S |
| 59.850 | 0.0000 | 0.0000 | 87.221 | 0.22319 | 0.00000 | 316523.1 | 167273.7 | 100632.1 | S |
| 59.858 | 0.0000 | 0.0000 | 87.221 | 0.22315 | 0.00000 | 316523.1 | 167280.4 | 100632.1 | S |
| 59.867 | 0.0000 | 0.0000 | 87.221 | 0.22311 | 0.00000 | 316523.1 | 167287.0 | 100632.1 | S |
| 59.875 | 0.0000 | 0.0000 | 87.220 | 0.22307 | 0.00000 | 316523.1 | 167293.8 | 100632.1 | S |
| 59.883 | 0.0000 | 0.0000 | 87.220 | 0.22303 | 0.00000 | 316523.1 | 167300.4 | 100632.1 | S |
| 59.892 | 0.0000 | 0.0000 | 87.220 | 0.22300 | 0.00000 | 316523.1 | 167307.1 | 100632.1 | S |
| 59.900 | 0.0000 | 0.0000 | 87.219 | 0.22296 | 0.00000 | 316523.1 | 167313.8 | 100632.1 | S |
| 59.908 | 0.0000 | 0.0000 | 87.219 | 0.22292 | 0.00000 | 316523.1 | 167320.5 | 100632.1 | S |
| 59.917 | 0.0000 | 0.0000 | 87.219 | 0.22288 | 0.00000 | 316523.1 | 167327.2 | 100632.1 | S |
| 59.925 | 0.0000 | 0.0000 | 87.218 | 0.22284 | 0.00000 | 316523.1 | 167333.9 | 100632.7 | S |
| 59.933 | 0.0000 | 0.0000 | 87.218 | 0.22280 | 0.00000 | 316523.1 | 167340.6 | 100632.1 | S |
| 59.942 | 0.0000 | 0.0000 | 87.218 | 0.22277 | 0.00000 | 316523.1 | 167347.3 | 100632.1 | S |
| 59.950 | 0.0000 | 0.0000 | 87.217 | 0.22273 | 0.00000 | 316523.1 | 167353.9 | 100632.1 | S |
| 59.958 | 0.0000 | 0.0000 | 87.217 | 0.22269 | 0.00000 | 316523.1 | 167360.6 | 100632.1 | S |
| 59.967 | 0.0000 | 0.0000 | 87.217 | 0.22265 | 0.00000 | 316523.1 | 167367.3 | 100632.1 | S |
| 59.975 | 0.0000 | 0.0000 | 87.216 | 0.22261 | 0.00000 | 316523.1 | 167374.0 | 100632.1 | S |
| 59.983 | 0.0000 | 0.0000 | 87.216 | 0.22257 | 0.00000 | 316523.1 | 167380.6 | 100632.1 | S |
| 59.992 | 0.0000 | 0.0000 | 87.216 | 0.22254 | 0.00000 | 316523.1 | 167387.3 | 100632.1 | S |
| 60.000 | 0.0000 | 0.0000 | 87.215 | 0.22250 | 0.00000 | 316523.1 | 167394.0 | 100632.1 | S |
| 60.008 | 0.0000 | 0.0000 | 87.215 | 0.22246 | 0.00000 | 316523.1 | 167400.7 | 100632.1 | S |
| 60.017 | 0.0000 | 0.0000 | 87.215 | 0.22242 | 0.00000 | 316523.1 | 167407.3 | 100632.1 | S |
| 60.025 | 0.0000 | 0.0000 | 87.214 | 0.22238 | 0.00000 | 316523.1 | 167414.0 | 100632.1 | S |
| 60.033 | 0.0000 | 0.0000 | 87.214 | 0.22234 | 0.00000 | 316523.1 | 167420.7 | 100632.1 | S |
| 60.042 | 0.0000 | 0.0000 | 87.214 | 0.22231 | 0.00000 | 316523.1 | 167427.4 | 100632.1 | S |
| 60.050 | 0.0000 | 0.0000 | 87.213 | 0.22227 | 0.00000 | 316523.1 | 167434.0 | 100632.1 | S |
| 60.058 | 0.0000 | 0.0000 | 87.213 | 0.22223 | 0.00000 | 316523.1 | 167440.7 | 100632.1 | S |
| 60.067 | 0.0000 | 0.0000 | 87.213 | 0.22219 | 0.00000 | 316523.1 | 167447.4 | 100632.1 | S |
| 60.075 | 0.0000 | 0.0000 | 87.212 | 0.22215 | 0.00000 | 316523.1 | 167454.0 | 100632.1 | S |
| 60.083 | 0.0000 | 0.0000 | 87.212 | 0.22211 | 0.00000 | 316523.1 | 167460.7 | 100632.1 | S |
| 60.092 | 0.0000 | 0.0000 | 87.212 | 0.22208 | 0.00000 | 316523.1 | 167467.3 | 100632.1 | S |
| 60.100 | 0.0000 | 0.0000 | 87.211 | 0.22204 | 0.00000 | 316523.1 | 167474.0 | 100632.1 | S |
| 60.108 | 0.0000 | 0.0000 | 87.211 | 0.22200 | 0.00000 | 316523.1 | 167480.7 | 100632.1 | S |
| 60.117 | 0.0000 | 0.0000 | 87.211 | 0.22196 | 0.00000 | 316523.1 | 167487.3 | 100632.1 | S |
| 60.125 | 0.0000 | 0.0000 | 87.210 | 0.22192 | 0.00000 | 316523.1 | 167494.0 | 100632.1 | S |
| 60.133 | 0.0000 | 0.0000 | 87.210 | 0.22189 | 0.00000 | 316523.1 | 167500.6 | 100632.1 | S |
| 60.142 | 0.0000 | 0.0000 | 87.210 | 0.22185 | 0.00000 | 316523.1 | 167507.3 | 100632.1 | S |
| 60.150 | 0.0000 | 0.0000 | 87.209 | 0.22181 | 0.00000 | 316523.1 | 167514.0 | 100632.1 | S |
| 60.158 | 0.0000 | 0.0000 | 87.209 | 0.22177 | 0.00000 | 316523.1 | 167520.6 | 100632.1 | S |
| 60.167 | 0.0000 | 0.0000 | 87.209 | 0.22173 | 0.00000 | 316523.1 | 167527.3 | 100632.1 | S |
| 60.175 | 0.0000 | 0.0000 | 87.209 | 0.22170 | 0.00000 | 316523.1 | 167533.9 | 100632.1 | S |
| 50.183 | 0.0000 | 0.0000 | 87.208 | 0.22166 | 0.00000 | 316523.1 | 167540.6 | 100632.1 | S |
| 60.192 | 0.0000 | 0.0000 | 87.208 | 0.22162 | 0.00000 | 316523.1 | 167547.2 | 100632.1 | S |
| 60.200 | 0.0000 | 0.0000 | 87.208 | 0.22158 | 0.00000 | 316523.1 | 167553.9 | 100632.1 | S |
| 60.208 | 0.0000 | 0.0000 | 87.207 | 0.22154 | 0.00000 | 316523.1 | 167560.5 | 100632.1 | S |
| 60.217 | 0.0000 | 0.0000 | 87.207 | 0.22151 | 0.00000 | 316523.1 | 167567.2 | 100632.1 | S |
| 60.225 | 0.0000 | 0.0000 | 87.207 | 0.22147 | 0.00000 | 316523.1 | 167573.8 | 100632.1 | S |
| 60.233 | 0.0000 | 0.0000 | 87.206 | 0.22143 | 0.00000 | 316523.1 | 167580.4 | 100632.1 | S |
| 60.242 | 0.0000 | 0.0000 | 87.206 | 0.22139 | 0.00000 | 316523.1 | 167587.1 | 100632.1 | S |
| 60.250 | 0.0000 | 0.0000 | 87.206 | 0.22135 | 0.00000 | 316523.1 | 167593.7 | 100632.1 | S |
| 60.258 | 0.0000 | 0.0000 | 87.205 | 0.22132 | 0.00000 | 316523.1 | 167600.4 | 100632.1 | S |
| 60.267 | 0.0000 | 0.0000 | 87.205 | 0.22128 | 0.00000 | 316523.1 | 167607.0 | 100632.1 | S |
| 60.275 | 0.0000 | 0.0000 | 87.205 | 0.22124 | 0.00000 | 316523.1 | 167613.6 | 100632.1 | S |
| 60.283 | 0.0000 | 0.0000 | 87.204 | 0.22120 | 0.00000 | 316523.1 | 167620.3 | 100632.1 | S |
| 60.292 | 0.0000 | 0.0000 | 87.204 | 0.22116 | 0.00000 | 316523.1 | 167626.9 | 100632.1 | S |
| 60.300 | 0.0000 | 0.0000 | 87.204 | 0.22113 | 0.00000 | 316523.1 | 167633.5 | 100632.1 | S |
| 60.308 | 0.0000 | 0.0000 | 87.203 | 0.22109 | 0.00000 | 316523.1 | 167640.2 | 100632.1 | S |
| 60.317 | 0.0000 | 0.0000 | 87.203 | 0.22105 | 0.00000 | 316523.1 | 167546.8 | 100632.1 | S |
| 60.325 | 0.0000 | 0.0000 | 87.203 | 0.22101 | 0.00000 | 316523.1 | 167653.5 | 100632.1 | S |
| 60.333 | 0.0000 | 0.0000 | 87.202 | 0.22097 | 0.00000 | 316523.1 | 167660.1 | 100632.1 | S |
| 60.342 | 0.0000 | 0.0000 | 87.202 | 0.22094 | 0.00000 | 316523.1 | 167666.7 | 100632.1 | S |
| 60.350 | 0.0000 | 0.0000 | 87.202 | 0.22090 | 0.00000 | 316523.1 | 167673.3 | 100632.1 | S |
| 60.358 | 0.0000 | 0.0000 | 87.201 | 0.22086 | 0.00000 | 316523.1 | 167680.0 | 100632.1 | S |
| 60.367 | 0.0000 | 0.0000 | 87.201 | 0.22082 | 0.00000 | 316523.1 | 167686.6 | 100632.1 | S |
| 60.375 | 0.0000 | 0.0000 | 87.201 | 0.22079 | 0.00000 | 316523.1 | 167693.2 | 100632.1 | S |
| 60.383 | 0.0000 | 0.0000 | 87.200 | 0.22075 | 0.00000 | 316523.1 | 167699.8 | 100632.1 | S |
| 60.392 | 0.0000 | 0.0000 | 87.200 | 0.22071 | 0.00000 | 316523.1 | 167706.5 | 100632.1 | S |
| 60.400 | 0.0000 | 0.0000 | 87.200 | 0.22067 | 0.00000 | 316523.1 | 167713.1 | 100632.1 | S |
| 60.408 | 0.0000 | 0.0000 | 87.199 | 0.22063 | 0.00000 | 316523.1 | 167719.7 | 100632.1 | S |
| 60.417 | 0.0000 | 0.0000 | 87.199 | 0.22060 | 0.00000 | 316523.1 | 167726.3 | 100632.1 | S |
| 60.425 | 0.0000 | 0.0000 | 87.199 | 0.22056 | 0.00000 | 316523.1 | 167732.9 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario $1::$ pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{fl}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 60.433 | 0.0000 | 0.0000 | 87.198 | 0.22052 | 0.00000 | 316523.1 | 167739.5 | 100632.1 | S |
| 60.442 | 0.0000 | 0.0000 | 87.198 | 0.22048 | 0.00000 | 316523.1 | 167746.2 | 100632.1 | S |
| 60.450 | 0.0000 | 0.0000 | 87.198 | 0.22045 | 0.00000 | 316523.1 | 167752.8 | 100632.1 | S |
| 60.458 | 0.0000 | 0.0000 | 87.197 | 0.22041 | 0.00000 | 316523.1 | 167759.4 | 100632.1 | S |
| 60.467 | 0.0000 | 0.0000 | 87.197 | 0.22037 | 0.00000 | 316523.1 | 167766.0 | 100632.1 | S |
| 60.475 | 0.0000 | 0.0000 | 87.197 | 0.22033 | 0.00000 | 316523.1 | 167772.6 | 100632.1 | S |
| 60.483 | 0.0000 | 0.0000 | 87.196 | 0.22030 | 0.00000 | 316523.1 | 167779.2 | 100632.1 | S |
| 60.492 | 0.0000 | 0.0000 | 87,196 | 0.22026 | 0.00000 | 316523.1 | 167785.8 | 100632.1 | S |
| 60.500 | 0.0000 | 0.0000 | 87.196 | 0.22022 | 0.00000 | 316523.1 | 167792.4 | 100632.1 | S |
| 60.508 | 0.0000 | 0.0000 | 87.195 | 0.22018 | 0.00000 | 316523.1 | 167799.0 | 100632.1 | S |
| 60.517 | 0.0000 | 0.0000 | 87.195 | 0.22014 | 0.00000 | 316523.1 | 167805.6 | 100632.1 | S |
| 60.525 | 0.0000 | 0.0000 | 87.195 | 0.22011 | 0.00000 | 316523.1 | 167812.3 | 100632.1 | S |
| 60.533 | 0.0000 | 0.0000 | 87.194 | 0.22007 | 0.00000 | 316523.1 | 167818.9 | 100632.1 | S |
| 60.542 | 0.0000 | 0.0000 | 87.194 | 0.22003 | 0.00000 | 316523.1 | 167825.5 | 100632.1 | S |
| 60.550 | 0.0000 | 0.0000 | 87.194 | 0.21999 | 0.00000 | 316523.1 | 167832.0 | 100632.1 | S |
| 60.558 | 0.0000 | 0.0000 | 87.193 | 0.21996 | 0.00000 | 316523.1 | 167838.7 | 100632.1 | S |
| 60.567 | 0.0000 | 0.0000 | 87.193 | 0.21992 | 0.00000 | 316523.1 | 167845.3 | 100632.1 | S |
| 60.575 | 0.0000 | 0.0000 | 87.193 | 0.21988 | 0.00000 | 316523.1 | 167851.8 | 100632.1 | S |
| 60.583 | 0.0000 | 0.0000 | 87.192 | 0.21984 | 0.00000 | 316523.1 | 167858.4 | 100632.1 | S |
| 60.592 | 0.0000 | 0.0000 | 87.192 | 0.21981 | 0.00000 | 316523.1 | 167865.0 | 100632.1 | S |
| 60.600 | 0.0000 | 0.0000 | 87.192 | 0.21977 | 0.00000 | 316523.1 | 167871.6 | 100632.1 | S |
| 60.608 | 0.0000 | 0.0000 | 87.191 | 0.21973 | 0.00000 | 316523.1 | 167878.2 | 100632.1 | S |
| 60.617 | 0.0000 | 0.0000 | 87.191 | 0.21969 | 0.00000 | 316523.1 | 167884.8 | 100632.1 | S |
| 60.625 | 0.0000 | 0.0000 | 87.191 | 0.21966 | 0.00000 | 316523.1 | 167891.4 | 100632.1 | S |
| 60.633 | 0.0000 | 0.0000 | 87.190 | 0.21962 | 0.00000 | 316523.1 | 167898.0 | 100632.1 | S |
| 60.642 | 0.0000 | 0.0000 | 87.190 | 0.21958 | 0.00000 | 316523.1 | 167904.6 | 100632.1 | S |
| 60.650 | 0.0000 | 0.0000 | 87.190 | 0.21954 | 0.00000 | 316523.1 | 167911.2 | 100632.1 | S |
| 60.658 | 0.0000 | 0.0000 | 87.189 | 0.21951 | 0.00000 | 316523.1 | 167917.8 | 100632.1 | S |
| 60.667 | 0.0000 | 0.0000 | 87.189 | 0.21947 | 0.00000 | 316523.1 | 167924.3 | 100632.1 | S |
| 60.675 | 0.0000 | 0.0000 | 87.189 | 0.21943 | 0.00000 | 316523.1 | 167930.9 | 100632.1 | S |
| 60.683 | 0.0000 | 0.0000 | 87.188 | 0.21940 | 0.00000 | 316523.1 | 167937.5 | 100632.1 | S |
| 60.692 | 0.0000 | 0.0000 | 87.188 | 0.21936 | 0.00000 | 316523.1 | 167944.1 | 100632.1 | S |
| 60.700 | 0.0000 | 0.0000 | 87.188 | 0.21932 | 0.00000 | 316523.1 | 167950.7 | 100632.1 | S |
| 60.708 | 0.0000 | 0.0000 | 87.187 | 0.21928 | 0.00000 | 316523.1 | 167957.3 | 100632.1 | S |
| 60.717 | 0.0000 | 0.0000 | 87.187 | 0.21925 | 0.00000 | 316523.1 | 167963.8 | 100632.1 | S |
| 60.725 | 0.0000 | 0.0000 | 87.187 | 0.21921 | 0.00000 | 316523.1 | 167970.4 | 100632.1 | S |
| 60.733 | 0.0000 | 0.0000 | 87.186 | 0.21917 | 0.00000 | 316523.1 | \$67977.0 | 100632.1 | S |
| 60.742 | 0.0000 | 0.0000 | 87.186 | 0.21913 | 0.00000 | 316523.1 | 167983.5 | 100632.1 | S |
| 60.750 | 0.0000 | 0.0000 | 87.186 | 0.21910 | 0.00000 | 316523.1 | 167990.1 | 100632.1 | S |
| 60.758 | 0.0000 | 0.0000 | 87.185 | 0.21906 | 0.00000 | 316523.1 | 167996.7 | 100632.1 | S |
| 60.767 | 0.0000 | 0.0000 | 87.185 | 0.21902 | 0.00000 | 316523.1 | 168003.3 | 100632.1 | S |
| 60.775 | 0.0000 | 0.0000 | 87.185 | 0.21898 | 0.00000 | 316523.1 | 168009.8 | 100632.1 | S |
| 60.783 | 0.0000 | 0.0000 | 87.184 | 0.21895 | 0.00000 | 316523.1 | 168016.4 | 100632.1 | S |
| 60.792 | 0.0000 | 0.0000 | 87.184 | 0.21891 | 0.00000 | 316523.1 | 168023.0 | 100632.1 | S |
| 60.800 | 0.0000 | 0.0000 | 87.184 | 0.21887 | 0.00000 | 316523.1 | 168029.5 | 100632.1 | S |
| 60.808 | 0.0000 | 0.0000 | 87.183 | 0.21884 | 0.00000 | 316523.1 | 168036.1 | 100632.1 | S |
| 60.817 | 0.0000 | 0.0000 | 87.183 | 0.21880 | 0.00000 | 316523.1 | 168042.7 | 100632.1 | S |
| 60.825 | 0.0000 | 0.0000 | 87.183 | 0.21876 | 0.00000 | 316523.1 | 168049.2 | 100632.1 | S |
| 60.833 | 0.0000 | 0.0000 | 87.182 | 0.21872 | 0.00000 | 316523.1 | 168055.8 | 100632.1 | S |
| 60.842 | 0.0000 | 0.0000 | 87.182 | 0.21869 | 0.00000 | 316523.1 | 168062.4 | 100632.1 | S |
| 60.850 | 0.0000 | 0.0000 | 87.182 | 0.21865 | 0.00000 | 316523.1 | 168068.9 | 100632.1 | S |
| 60.858 | 0.0000 | 0.0000 | 87.182 | 0.21861 | 0.00000 | 316523.1 | 168075.5 | 100632.1 | S |
| 60.867 | 0.0000 | 0.0000 | 87.181 | 0.21858 | 0.00000 | 316523.1 | 168082.0 | 100632.1 | S |
| 60.875 | 0.0000 | 0.0000 | 87.181 | 0.21854 | 0.00000 | 316523.1 | 168088.6 | 100632.1 | S |
| 60.883 | 0.0000 | 0.0000 | 87.181 | 0.21850 | 0.00000 | 316523.1 | 168095.2 | 100632.1 | S |
| 60.892 | 0.0000 | 0.0000 | 87.180 | 0.21846 | 0.00000 | 316523.1 | 168101.7 | 100632.1 | S |
| 60.900 | 0.0000 | 0.0000 | 87.180 | 0.21843 | 0.00000 | 316523.1 | 168108.3 | 100632.1 | S |
| 60.908 | 0.0000 | 0.0000 | 87.180 | 0.21839 | 0.00000 | 316523.1 | 168114.8 | 100632.1 | S |
| 60.917 | 0.0000 | 0.0000 | 87.179 | 0.21835 | 0.00000 | 316523.1 | 168121.4 | 100632.1 | S |
| 60.925 | 0.0000 | 0.0000 | 87.179 | 0.21832 | 0.00000 | 316523.1 | 168127.9 | 100632.1 | S |
| 60.933 | 0.0000 | 0.0000 | 87.179 | 0.21828 | 0.00000 | 316523.1 | 168134.5 | 100632.1 | S |
| 60.942 | 0.0000 | 0.0000 | 87.178 | 0.21824 | 0.00000 | 316523.1 | 168141.0 | 100632.1 | S |
| 60.950 | 0.0000 | 0.0000 | 87.178 | 0.21821 | 0.00000 | 316523.1 | 168147.5 | 100632.1 | S |
| 60.958 | 0.0000 | 0.0000 | 87.178 | 0.21817 | 0.00000 | 316523.1 | 168154.1 | 100632.1 | S |
| 60.967 | 0.0000 | 0.0000 | 87.177 | 0.21813 | 0.00000 | 316523.1 | 168160.6 | 100632.1 | S |
| 60.975 | 0.0000 | 0.0000 | 87.177 | 0.21809 | 0.00000 | 316523.1 | 168167.2 | 100632.1 | S |
| 60.983 | 0.0000 | 0.0000 | 87.177 | 0.21806 | 0.00000 | 316523.1 | 168173.7 | 100632.1 | S |
| 60.992 | 0.0000 | 0.0000 | 87.176 | 0.21802 | 0.00000 | 316523.1 | 168180.3 | 100632.1 | S |
| 61.000 | 0.0000 | 0.0000 | 87.176 | 0.21798 | 0.00000 | 316523.1 | 168186.8 | 100632.1 | S |
| 61.008 | 0.0000 | 0.0000 | 87.176 | 0.21795 | 0.00000 | 316523.1 | 168193.3 | 100632.1 | S |
| 61.017 | 0.0000 | 0.0000 | 87.175 | 0.21791 | 0.00000 | 316523.1 | 168199.9 | 100632.1 | S |
| 61.025 | 0.0000 | 0.0000 | 87.175 | 0.21787 | 0.00000 | 316523.1 | 168206.4 | 100632.1 | S |
| 61.033 | 0.0000 | 0.0000 | 87.175 | 0.21784 | 0.00000 | 316523.1 | 168213.0 | 100632.1 | S |
| 61.042 | 0.0000 | 0.0000 | 87.174 | 0.21780 | 0.00000 | 316523.1 | 168219.5 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infilitration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumufative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{H}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 61.050 | 0.0000 | 0.0000 | 87.174 | 0.21776 | 0.00000 | 316523.1 | 168226.0 | 100632.1 | S |
| 61.058 | 0.0000 | 0.0000 | 87.174 | 0.21772 | 0.00000 | 316523.1 | 168232.6 | 100632.1 | S |
| 61.067 | 0.0000 | 0.0000 | 87.173 | 0.21769 | 0.00000 | 316523.1 | 168239.1 | 100632.1 | S |
| 61.075 | 0.0000 | 0.0000 | 87.173 | 0.21765 | 0.00000 | 316523.1 | 168245.6 | 100632.1 | S |
| 61.083 | 0.0000 | 0.0000 | 87.173 | 0.21761 | 0.00000 | 316523.1 | 168252.2 | 100632.1 | S |
| 61.092 | 0.0000 | 0.0000 | 87.172 | 0.21758 | 0.00000 | 316523.1 | 168258.7 | 100632.1 | S |
| 61.100 | 0.0000 | 0.0000 | 87.172 | 0.21754 | 0.00000 | 316523.1 | 168265.2 | 100632.1 | S |
| 61.108 | 0.0000 | 0.0000 | 87.172 | 0.21750 | 0.00000 | 316523.1 | 168271.7 | 100632.1 | S |
| 61.117 | 0.0000 | 0.0000 | 87.171 | 0.21747 | 0.00000 | 316523.1 | 168278.3 | 100632.1 | S |
| 61,125 | 0.0000 | 0.0000 | 87.171 | 0.21743 | 0.00000 | 316523.1 | 168284.8 | 100632.1 | S |
| 61.133 | 0.0000 | 0.0000 | 87.171 | 0.21739 | 0.00000 | 316523.1 | 168291.3 | 100632.1 | S |
| 61,142 | 0.0000 | 0.0000 | 87.170 | 0.21736 | 0.00000 | 316523.1 | 168297.8 | 100632.1 | S |
| 61.150 | 0.0000 | 0.0000 | 87.170 | 0.21732 | 0.00000 | 316523.1 | 168304.3 | 100632.1 | S |
| 61.158 | 0.0000 | 0.0000 | 87.170 | 0.21728 | 0.00000 | 316523.1 | 168310.9 | 700632.1 | S |
| 61.167 | 0.0000 | 0.0000 | 87.169 | 0.21725 | 0.00000 | 316523.1 | 168317.4 | 100632.1 | S |
| 61.175 | 0.0000 | 0.0000 | 87.169 | 0.21721 | 0.00000 | 316523.1 | 168323.9 | 100632.1 | S |
| 61.183 | 0.0000 | 0.0000 | 87.169 | 0.21717 | 0.00000 | 316523.1 | 168330.4 | 100632.1 | S |
| 61.192 | 0.0000 | 0.0000 | 87.168 | 0.21714 | 0.00000 | 316523.1 | 168336.9 | 100632.1 | S |
| 61.200 | 0.0000 | 0.0000 | 87.168 | 0.21710 | 0.00000 | 316523.1 | 168343.4 | 100632.1 | S |
| 61.208 | 0.0000 | 0.0000 | 87.168 | 0.21706 | 0.00000 | 316523.1 | 168350.0 | 100632.1 | S |
| 61.217 | 0.0000 | 0.0000 | 87.167 | 0.21703 | 0.00000 | 316523.1 | 168356.5 | 100632.1 | S |
| 61.225 | 0.0000 | 0.0000 | 87.167 | 0.21699 | 0.00000 | 316523.1 | 168363.0 | 100632.1 | S |
| 61.233 | 0.0000 | 0.0000 | 87.167 | 0.21695 | 0.00000 | 316523.1 | 168369.5 | 100632.1 | S |
| 61.242 | 0.0000 | 0.0000 | 87.166 | 0.21692 | 0.00000 | 316523.1 | 168376.0 | 100632.1 | S |
| 61.250 | 0.0000 | 0.0000 | 87.166 | 0.21688 | 0.00000 | 316523.1 | 168382.5 | 100632.1 | S |
| 61.258 | 0.0000 | 0.0000 | 87.166 | 0.21684 | 0.00000 | 316523.1 | 168389.0 | 100632.1 | S |
| 61.267 | 0.0000 | 0.0000 | 87.166 | 0.21681 | 0.00000 | 316523.1 | 168395.5 | 100632.1 | S |
| 61.275 | 0.0000 | 0.0000 | 87.165 | 0.21677 | 0.00000 | 316523.1 | 168402.0 | 100632.1 | S |
| 61.283 | 0.0000 | 0.0000 | 87.165 | 0.21673 | 0.00000 | 316523.1 | 168408.5 | 100632.1 | S |
| 61.292 | 0.0000 | 0.0000 | 87.165 | 0.21670 | 0.00000 | 316523.1 | 168415.0 | 100632.1 | S |
| 61.300 | 0.0000 | 0.0000 | 87.164 | 0.21666 | 0.00000 | 316523.1 | 168421.5 | 100632.1 | S |
| 61.308 | 0.0000 | 0.0000 | 87.164 | 0.21662 | 0.00000 | 316523.1 | 168428.0 | 100632.1 | S |
| 61.317 | 0.0000 | 0.0000 | 87.164 | 0.21659 | 0.00000 | 316523.1 | 168434.5 | 100632.1 | S |
| 61.325 | 0.0000 | 0.0000 | 87.163 | 0.21655 | 0.00000 | 316523.1 | 168441.0 | 100632.1 | S |
| 61.333 | 0.0000 | 0.0000 | 87.163 | 0.21651 | 0.00000 | 316523.1 | 168447.5 | 100632.1 | S |
| 61.342 | 0.0000 | 0.0000 | 87.163 | 0.21648 | 0.00000 | 316523.1 | 168454.0 | 100632.1 | S |
| 61.350 | 0.0000 | 0.0000 | 87.162 | 0.21644 | 0.00000 | 316523.1 | 168460.5 | 100632.1 | S |
| 61.358 | 0.0000 | 0.0000 | 87.162 | 0.21640 | 0.00000 | 316523.1 | 168467.0 | 100632.1 | S |
| 61.367 | 0.0000 | 0.0000 | 87.162 | 0.21637 | 0.00000 | 316523.1 | 168473.5 | 100632.1 | S |
| 61.375 | 0.0000 | 0.0000 | 87.161 | 0.21633 | 0.00000 | 316523.1 | 168480.0 | 100632.1 | S |
| 61.383 | 0.0000 | 0.0000 | 87.161 | 0.21629 | 0.00000 | 316523.4 | 168486.5 | 100632.1 | S |
| 61.392 | 0.0000 | 0.0000 | 87.161 | 0.21626 | 0.00000 | 316523.1 | 168493.0 | 100632.1 | S |
| 61.400 | 0.0000 | 0.0000 | 87.160 | 0.21622 | 0.00000 | 316523.1 | 168499.4 | 100632.1 | S |
| 61.408 | 0.0000 | 0.0000 | 87.160 | 0.21619 | 0.00000 | 316523.1 | 168505.9 | 100632.1 | S |
| 61.417 | 0.0000 | 0.0000 | 87.160 | 0.21615 | 0.00000 | 316523.1 | 168512.4 | 100632.1 | S |
| 61.425 | 0.0000 | 0.0000 | 87.159 | 0.21611 | 0.00000 | 316523.1 | 168518.9 | 100632.1 | S |
| 61.433 | 0.0000 | 0.0000 | 87.159 | 0.21608 | 0.00000 | 316523.1 | 168525.4 | 100632.1 | S |
| 61.442 | 0.0000 | 0.0000 | 87.159 | 0.21604 | 0.00000 | 316523.1 | 168531.9 | 100632.1 | S |
| 61.450 | 0.0000 | 0.0000 | 87.158 | 0.21600 | 0.00000 | 316523.1 | 168538.3 | 100632.1 | S |
| 61.458 | 0.0000 | 0.0000 | 87.158 | 0.21597 | 0.00000 | 316523.1 | 168544.8 | 100632.3 | S |
| 61.467 | 0.0000 | 0.0000 | 87.158 | 0.21593 | 0.00000 | 316523.1 | 168551.3 | 100632.1 | S |
| 61.475 | 0.0000 | 0.0000 | 87.157 | 0.21589 | 0.00000 | 316523.1 | 168557.8 | 100632.1 | S |
| 61.483 | 0.0000 | 0.0000 | 87.157 | 0.21586 | 0.00000 | 316523.1 | 168564.3 | 100632.1 | S |
| 61.492 | 0.0000 | 0.0000 | 87.157 | 0.21582 | 0.00000 | 316523.1 | 168570.7 | 100632.1 | S |
| 61.500 | 0.0000 | 0.0000 | 87.156 | 0.21579 | 0.00000 | 316523.1 | 168577.2 | 100632.1 | S |
| 61.508 | 0.0000 | 0.0000 | 87.156 | 0.21575 | 0.00000 | 316523.1 | 168583.7 | 100632.1 | S |
| 61.517 | 0.0000 | 0.0000 | 87.156 | 0.21571 | 0.00000 | 376523.1 | 168590.1 | 100632.1 | S |
| 61.525 | 0.0000 | 0.0000 | 87.155 | 0.21568 | 0.00000 | 316523.1 | 168596.6 | 100632.1 | S |
| 61.533 | 0.0000 | 0.0000 | 87.155 | 0.21564 | 0.00000 | 316523.1 | 168603.1 | 100632.1 | S |
| 61.542 | 0.0000 | 0.0000 | 87.155 | 0.21560 | 0.00000 | 316523.1 | 168609.5 | 100632.1 | S |
| 61.550 | 0.0000 | 0.0000 | 87.154 | 0.21557 | 0.00000 | 316523.1 | 168616.0 | 100632.1 | S |
| 61.558 | 0.0000 | 0.0000 | 87.154 | 0.21553 | 0.00000 | 316523.1 | 168622.5 | 100632.1 | S |
| 61.567 | 0.0000 | 0.0000 | 87.154 | 0.21550 | 0.00000 | 316523.1 | 168629.0 | 100632.1 | S |
| 61.575 | 0.0000 | 0.0000 | 87.153 | 0.21546 | 0.00000 | 316523.1 | 168635.4 | 100632.1 | S |
| 61.583 | 0.0000 | 0.0000 | 87.153 | 0.21542 | 0.00000 | 316523.1 | 168641.9 | 100632.1 | S |
| 61.592 | 0.0000 | 0.0000 | 87.153 | 0.21539 | 0.00000 | 316523.1 | 168648.3 | 100632.1 | S |
| 61.600 | 0.0000 | 0.0000 | 87.153 | 0.21535 | 0.00000 | 316523.1 | 168654.8 | 100632.1 | S |
| 61.608 | 0,0000 | 0.0000 | 87.152 | 0.21531 | 0.00000 | 316523.1 | 168661.3 | 100632.1 | S |
| 61.617 | 0.0000 | 0.0000 | 87.152 | 0.21528 | 0.00000 | 316523.1 | 168667.7 | 100632.1 | S |
| 61.625 | 0.0000 | 0.0000 | 87.152 | 0.21524 | 0.00000 | 316523.1 | 168674.2 | 100632.1 | S |
| 61.633 | 0.0000 | 0.0000 | 87.151 | 0.21521 | 0.00000 | 316523.1 | 168680.6 | \{00632.1 | S |
| 61.642 | 0.0000 | 0.0000 | 87.151 | 0.21517 | 0.00000 | 316523.1 | 168687.1 | 100632.1 | S |
| 61.650 | 0.0000 | 0.0000 | 87.151 | 0.21513 | 0.00000 | 316523.1 | 168693.5 | 100632.1 | S |
| 61.658 | 0.0000 | 0.0000 | 87.150 | 0.21510 | 0.00000 | 316523.1 | 168700.0 | 100632.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | inflow Rate ( $\mathrm{f} \mathrm{t}^{3} \mathrm{~s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | infiltration Rate ( $\mathrm{fl}^{3 / \mathrm{s}}$ ) | Overlow <br> Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative infiltration Volume (ft ${ }^{\text {T }}$ ) | Cumulative Discharge Volume $\left(\mathrm{f}^{3}\right)$ | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 61.667 | 0.0000 | 0.0000 | 87.150 | 0.21506 | 0.00000 | 316523.1 | 168706.5 | 100632.1 | S |
| 61.675 | 0.0000 | 0.0000 | 87.150 | 0.21503 | 0.00000 | 316523.1 | 168712.9 | 100632.1 | S |
| 61.683 | 0.0000 | 0.0000 | 87.149 | 0.21499 | 0.00000 | 316523.1 | 168719.4 | 100632.1 | S |
| 61.692 | 0.0000 | 0.0000 | 87.149 | 0.21495 | 0.00000 | 316523.1 | 168725.8 | 100632.1 | S |
| 61.700 | 0.0000 | 0.0000 | 87.149 | 0.21492 | 0.00000 | 316523.1 | 168732.3 | 100632.4 | S |
| 61.708 | 0.0000 | 0.0000 | 87.148 | 0.21488 | 0.00000 | 316523.1 | 168738.7 | 100632.1 | S |
| 61.717 | 0.0000 | 0.0000 | 87.148 | 0.21484 | 0.00000 | 316523.1 | 168745.1 | 100632.1 | S |
| 61.725 | 0.0000 | 0.0000 | 87.148 | 0.21481 | 0.00000 | 316523.1 | 168751.6 | 100632.1 | S |
| 61.733 | 0.0000 | 0.0000 | 87.147 | 0.21477 | 0.00000 | 316523.1 | 168758.0 | 100632.1 | S |
| 61.742 | 0.0000 | 0.0000 | 87.147 | 0.21474 | 0.00000 | 316523.1 | 168764.5 | 100632.1 | S |
| 61.750 | 0.0000 | 0.0000 | 87.147 | 0.21470 | 0.00000 | 316523.1 | 168770.9 | 100632.1 | S |
| 61.758 | 0.0000 | 0.0000 | 87.146 | 0.21466 | 0.00000 | 316523.1 | 168777.4 | 100632.1 | S |
| 61.767 | 0.0000 | 0.0000 | 87.146 | 0.21463 | 0.00000 | 316523.1 | 168783.8 | 100632.1 | S |
| 61.775 | 0.0000 | 0.0000 | 87.146 | 0.21459 | 0.00000 | 316523.1 | 168790.2 | 100632.1 | S |
| 61.783 | 0.0000 | 0.0000 | 87.145 | 0.21456 | 0.00000 | 316523.1 | 168796.7 | 100632.1 | S |
| 61.792 | 0.0000 | 0.0000 | 87.145 | 0.21452 | 0.00000 | 316523.1 | 168803.1 | 100632.1 | S |
| 61.800 | 0.0000 | 0.0000 | 87.145 | 0.21448 | 0.00000 | 316523.1 | 168809.5 | 100632.1 | S |
| 61.808 | 0.0000 | 0.0000 | 87.144 | 0.21445 | 0.00000 | 316523.1 | 168816.0 | 100632.1 | S |
| 61.817 | 0.0000 | 0.0000 | 87.144 | 0.21441 | 0.00000 | 316523.1 | 168822.4 | 100632.1 | S |
| 61.825 | 0.0000 | 0.0000 | 87.144 | 0.21438 | 0.00000 | 316523.1 | 168828.8 | 100632.1 | S |
| 61.833 | 0.0000 | 0.0000 | 87.143 | 0.21434 | 0.00000 | 316523.1 | 168835.3 | 100632.1 | S |
| 61.842 | 0.0000 | 0.0000 | 87.143 | 0.21431 | 0.00000 | 316523.1 | 168841.7 | 100632.1 | S |
| 61.850 | 0.0000 | 0.0000 | 87.143 | 0.21427 | 0.00000 | 316523.1 | 168848.1 | 100632.1 | S |
| 61.858 | 0.0000 | 0.0000 | 87.142 | 0.21423 | 0.00000 | 316523.1 | 168854.6 | 100632.1 | S |
| 61.867 | 0.0000 | 0.0000 | 87.142 | 0.21420 | 0.00000 | 316523.1 | 168861.0 | 100632.1 | S |
| 61.875 | 0.0000 | 0.0000 | 87.142 | 0.21416 | 0.00000 | 376523.1 | 168867.4 | 100632.1 | S |
| 61.883 | 0.0000 | 0.0000 | 87.142 | 0.21413 | 0.00000 | 316523.1 | 168873.8 | 100632.1 | S |
| 61.892 | 0.0000 | 0.0000 | 87.141 | 0.21409 | 0.00000 | 316523.1 | 168880.3 | 100632.1 | S |
| 61.900 | 0.0000 | 0.0000 | 87.141 | 0.21405 | 0.00000 | 316523.1 | 168886.7 | 100632.1 | S |
| 61.908 | 0.0000 | 0.0000 | 87,141 | 0.21402 | 0.00000 | 316523.1 | 168893.1 | 100632.1 | S |
| 61.917 | 0.0000 | 0.0000 | 87.140 | 0.21398 | 0.00000 | 316523.1 | 168899.5 | 100632.1 | S |
| 61.925 | 0.0000 | 0.0000 | 87.140 | 0.21395 | 0.00000 | 316523.1 | 168905.9 | 100632.1 | S |
| 61.933 | 0.0000 | 0.0000 | 87.140 | 0.21391 | 0.00000 | 316523.1 | 168912.4 | 100632.1 | S |
| 61.942 | 0.0000 | 0.0000 | 87.139 | 0.21388 | 0.00000 | 316523.1 | 168918.8 | 100632.1 | S |
| 61.950 | 0.0000 | 0.0000 | 87.139 | 0.21384 | 0.00000 | 316523.1 | 168925.2 | 100632.1 | S |
| 61.958 | 0.0000 | 0.0000 | 87.139 | 0.21380 | 0.00000 | 316523.1 | 168931.6 | 100632.1 | S |
| 61.967 | 0.0000 | 0.0000 | 87.138 | 0.21377 | 0.00000 | 316523.1 | 168938.0 | 100632.1 | S |
| 61.975 | 0.0000 | 0.0000 | 87.138 | 0.21373 | 0.00000 | 316523.1 | 168944.4 | 100632.1 | S |
| 61.983 | 0.0000 | 0.0000 | 87.138 | 0.21370 | 0.00000 | 316523.1 | 168950.8 | 100632.1 | S |
| 61.992 | 0.0000 | 0.0000 | 87.137 | 0.21366 | 0.00000 | 316523.1 | 168957.3 | 100632.1 | S |
| 62.000 | 0.0000 | 0.0000 | 87.137 | 0.21363 | 0.00000 | 316523.1 | 168963.7 | 100632.1 | S |
| 62.008 | 0.0000 | 0.0000 | 87.137 | 0.21359 | 0.00000 | 316523.1 | 168970.1 | 100632.1 | S |
| 62.017 | 0.0000 | 0.0000 | 87.136 | 0.21355 | 0.00000 | 316523.1 | 168976.5 | 100632.1 | S |
| 62.025 | 0.0000 | 0.0000 | 87.136 | 0.21352 | 0.00000 | 316523.1 | 168982.9 | 100632.1 | S |
| 62.033 | 0.0000 | 0.0000 | 87.136 | 0.21348 | 0.00000 | 316523.1 | 168989.3 | 100632.1 | S |
| 62.042 | 0.0000 | 0.0000 | 87.135 | 0.21345 | 0.00000 | 316523.1 | 168995.7 | 100632.1 | S |
| 62.050 | 0.0000 | 0.0000 | 87.135 | 0.21341 | 0.00000 | 316523.1 | 169002.1 | 100632.1 | S |
| 62.058 | 0.0000 | 0.0000 | 87.135 | 0.21338 | 0.00000 | 316523.1 | 169008.5 | 100632.1 | S |
| 62.067 | 0.0000 | 0.0000 | 87.134 | 0.21334 | 0.00000 | 316523.1 | 169014.9 | 100632.1 | S |
| 62.075 | 0.0000 | 0.0000 | 87.134 | 0.21330 | 0.00000 | 316523.1 | 169021.3 | 100632.1 | S |
| 62.083 | 0.0000 | 0.0000 | 87.134 | 0.21327 | 0.00000 | 316523.1 | 169027.7 | 100632.1 | S |
| 62.092 | 0.0000 | 0.0000 | 87.133 | 0.21323 | 0.00000 | 316523.1 | 169034.1 | 100632.1 | S |
| 62.100 | 0.0000 | 0.0000 | 87.133 | 0.21320 | 0.00000 | 316523.1 | 169040.5 | 100632.1 | S |
| 62.108 | 0.0000 | 0.0000 | 87.133 | 0.21316 | 0.00000 | 316523.1 | 169046.9 | 100632.1 | S |
| 62.117 | 0.0000 | 0.0000 | 87.132 | 0.21313 | 0.00000 | 316523.1 | 169053.3 | 100632.1 | S |
| 62.125 | 0.0000 | 0.0000 | 87.132 | 0.21309 | 0.00000 | 316523.1 | 169059.7 | 100632.1 | S |
| 62.133 | 0.0000 | 0.0000 | 87.132 | 0.21306 | 0.00000 | 316523.1 | 169066.1 | 100632.1 | S |
| 62.142 | 0.0000 | 0.0000 | 87.132 | 0.21302 | 0.00000 | 316523.1 | 169072.5 | 100632.1 | S |
| 62.150 | 0.0000 | 0.0000 | 87.131 | 0.21298 | 0.00000 | 316523.1 | 169078.8 | 100632.1 | S |
| 62.158 | 0.0000 | 0.0000 | 87.131 | 0.21295 | 0.00000 | 316523.1 | 169085.2 | 100632.1 | S |
| 62.167 | 0.0000 | 0.0000 | 87.131 | 0.21291 | 0.00000 | 316523.1 | 169091.6 | 100632.1 | S |
| 62.175 | 0.0000 | 0.0000 | 87.130 | 0.21288 | 0.00000 | 316523.1 | 169098.0 | 100632.1 | S |
| 62.183 | 0.0000 | 0.0000 | 87.130 | 0.21284 | 0.00000 | 316523.1 | 169104.4 | 100632.1 | S |
| 62.192 | 0.0000 | 0.0000 | 87.130 | 0.21281 | 0.00000 | 316523.1 | 169110.8 | 100632.1 | S |
| 62.200 | 0.0000 | 0.0000 | 87.129 | 0.21277 | 0.00000 | 316523.1 | 169117.2 | 100632.1 | S |
| 62.208 | 0.0000 | 0.0000 | 87.129 | 0.21274 | 0.00000 | 316523.1 | 169123.5 | 100632.1 | S |
| 62.217 | 0.0000 | 0.0000 | 87.129 | 0.21270 | 0.00000 | 316523.1 | 169129.9 | 100632.1 | S |
| 62.225 | 0.0000 | 0.0000 | 87.128 | 0.21267 | 0.00000 | 316523.1 | 169136.3 | 100632.1 | S |
| 62.233 | 0.0000 | 0.0000 | 87.128 | 0.21263 | 0.00000 | 316523.1 | 169142.7 | 100632.1 | S |
| 62.242 | 0.0000 | 0.0000 | 87.128 | 0.21259 | 0.00000 | 316523.1 | 169149.1 | 100632.1 | S |
| 62.250 | 0.0000 | 0.0000 | 87.127 | 0.21256 | 0.00000 | 316523.1 | \{69155.4 | 100632.1 | S |
| 62.258 | 0.0000 | 0.0000 | 87.127 | 0.21252 | 0.00000 | 316523.1 | 169161.8 | 100632.1 | S |
| 62.267 | 0.0000 | 0.0000 | 87.127 | 0.21249 | 0.00000 | 316523.1 | 169168.2 | 100632.1 | S |
| 62.275 | 0.0000 | 0.0000 | 87.126 | 0.21245 | 0.00000 | 316523.1 | 169174.6 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/overflow

| Elapsed Time (hours) | Intlow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (fidday) | Stage Elevation (ft datum) | Infiltration Rate (ftis) | Overilow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ff}^{3}$ ) | Cumulative Infiltration Volume (fty | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 62.283 | 0.0000 | 0.0000 | 87.126 | 0.21242 | 0.00000 | 316523.1 | 169180.9 | 100632.1 | S |
| 62.292 | 0.0000 | 0.0000 | 87.126 | 0.21238 | 0.00000 | 316523.1 | 169187.3 | 100632.1 | S |
| 62.300 | 0.0000 | 0.0000 | 87.125 | 0.21235 | 0.00000 | 316523.1 | 169193.7 | 100632.1 | S |
| 62.308 | 0.0000 | 0.0000 | 87.125 | 0.21231 | 0.00000 | 316523.1 | 169200.0 | 100632.1 | S |
| 62.317 | 0.0000 | 0.0000 | 87.125 | 0.21228 | 0.00000 | 316523.1 | 169206.4 | 100632.1 | S |
| 62.325 | 0.0000 | 0.0000 | 87.124 | 0.21224 | 0.00000 | 316523.1 | 169212.8 | 100632.1 | S |
| 62.333 | 0.0000 | 0.0000 | 87.124 | 0.21221 | 0.00000 | 316523.1 | 169219.2 | 100632.1 | S |
| 62.342 | 0.0000 | 0.0000 | 87.124 | 0.21217 | 0.00000 | 316523.7 | 169225.5 | 100632.1 | S |
| 62.350 | 0.0000 | 0.0000 | 87.124 | 0.21214 | 0.00000 | 316523.1 | 169231.9 | 100632.1 | S |
| 62.358 | 0.0000 | 0.0000 | 87.123 | 0.21210 | 0.00000 | 316523.1 | 169238.3 | 100632.1 | S |
| 62.367 | 0.0000 | 0.0000 | 87.123 | 0.21206 | 0.00000 | 316523.1 | 169244.6 | 100632.1 | S |
| 62.375 | 0.0000 | 0.0000 | 87.123 | 0.21203 | 0.00000 | 316523.1 | 169251.0 | 100632.1 | S |
| 62.383 | 0.0000 | 0.0000 | 87.122 | 0.21199 | 0.00000 | 316523.1 | 169257.3 | 100632.1 | S |
| 62.392 | 0.0000 | 0.0000 | 87.122 | 0.21196 | 0.00000 | 316523.1 | 169263.7 | 100632.1 | S |
| 62.400 | 0.0000 | 0.0000 | 87.122 | 0.21192 | 0.00000 | 316523.1 | 169270.0 | 100632.1 | S |
| 62.408 | 0.0000 | 0.0000 | 87.121 | 0.21189 | 0.00000 | 316523.1 | 169276.4 | 100632.1 | S |
| 62.417 | 0.0000 | 0.0000 | 87.121 | 0.21185 | 0.00000 | 316523.1 | 169282.8 | 100632.1 | S |
| 62.425 | 0.0000 | 0.0000 | 87.121 | 0.21182 | 0.00000 | 316523.1 | 169289.1 | 100632.1 | S |
| 62.433 | 0.0000 | 0.0000 | 87.120 | 0.21178 | 0.00000 | 316523.1 | 169295.5 | 100632.1 | S |
| 62.442 | 0.0000 | 0.0000 | 87.120 | 0.21175 | 0.00000 | 316523.1 | 169301.8 | 100632.1 | S |
| 62.450 | 0.0000 | 0.0000 | 87.120 | 0.21171 | 0.00000 | 316523.1 | 169308.2 | 100632.1 | S |
| 62.458 | 0.0000 | 0.0000 | 87.119 | 0.21168 | 0.00000 | 316523.1 | 169314.5 | 100632.1 | S |
| 62.467 | 0.0000 | 0.0000 | 87.119 | 0.21164 | 0.00000 | 316523.1 | 169320.9 | 100632.1 | S |
| 62.475 | 0.0000 | 0.0000 | 87.119 | 0.21161 | 0.00000 | 316523.1 | 169327.2 | 100632.1 | S |
| 62.483 | 0.0000 | 0.0000 | 87.118 | 0.21157 | 0.00000 | 316523.1 | 169333.6 | 100632.1 | S |
| 62.492 | 0.0000 | 0.0000 | 87.118 | 0.21154 | 0.00000 | 316523.1 | 169339.9 | 100632.1 | S |
| 62.500 | 0.0000 | 0.0000 | 87.118 | 0.21150 | 0.00000 | 316523.1 | 169346.3 | 100632.1 | S |
| 62.508 | 0.0000 | 0.0000 | 87.117 | 0.21147 | 0.00000 | 316523.1 | 169352.6 | 100632.1 | S |
| 62.517 | 0.0000 | 0.0000 | 87.117 | 0.21143 | 0.00000 | 316523.1 | 169359.0 | 100632.1 | S |
| 62.525 | 0.0000 | 0.0000 | 87.117 | 0.21140 | 0.00000 | 316523.1 | 169365.3 | 100632.1 | S |
| 62.533 | 0.0000 | 0.0000 | 87.116 | 0.21136 | 0.00000 | 316523.1 | 169371.6 | 100632.1 | S |
| 62.542 | 0.0000 | 0.0000 | 87.116 | 0.21133 | 0.00000 | 316523.1 | 169378.0 | 100632.1 | S |
| 62.550 | 0.0000 | 0.0000 | 87.116 | 0.21129 | 0.00000 | 316523.1 | 169384.3 | 100632.1 | S |
| 62.558 | 0.0000 | 0.0000 | 87.115 | 0.21126 | 0.00000 | 316523.1 | 169390.7 | 100632.1 | S |
| 62.567 | 0.0000 | 0.0000 | 87.115 | 0.21122 | 0.00000 | 316523.1 | 169397.0 | 100632.1 | S |
| 62.575 | 0.0000 | 0.0000 | 87.115 | 0.21119 | 0.00000 | 316523.1 | 169403.3 | 100632.1 | S |
| 62.583 | 0.0000 | 0.0000 | 87.115 | 0.21115 | 0.00000 | 316523.1 | 169409.7 | 100632.1 | S |
| 62.592 | 0.0000 | 0.0000 | 87.114 | 0.21112 | 0.00000 | 316523.1 | 169416.0 | 100632.1 | S |
| 62.600 | 0.0000 | 0.0000 | 87.114 | 0.21108 | 0.00000 | 316523.1 | 169422.3 | 100632.1 | S |
| 62.608 | 0.0000 | 0.0000 | 87.114 | 0.21105 | 0.00000 | 316523.1 | 169428.7 | 100632.1 | S |
| 62.617 | 0.0000 | 0.0000 | 87.113 | 0.21101 | 0.00000 | 316523.1 | 169435.0 | 100632.1 | S |
| 62.625 | 0.0000 | 0.0000 | 87.113 | 0.21098 | 0.00000 | 316523.1 | 169441.3 | 100632.1 | S |
| 62.633 | 0.0000 | 0.0000 | 87.113 | 0.21094 | 0.00000 | 316523.1 | 169447.7 | 100632.1 | S |
| 62.642 | 0.0000 | 0.0000 | 87.112 | 0.21091 | 0.00000 | 316523.1 | 169454.0 | 100632.1 | S |
| 62.650 | 0.0000 | 0.0000 | 87.112 | 0.21087 | 0.00000 | 316523.1 | 169460.3 | 100632.1 | S |
| 62.658 | 0.0000 | 0.0000 | 87.112 | 0.21084 | 0.00000 | 316523.1 | 169466.6 | 100632.1 | S |
| 62.667 | 0.0000 | 0.0000 | 87.111 | 0.21080 | 0.00000 | 316523.1 | 169473.0 | 100632.1 | S |
| 62.675 | 0.0000 | 0.0000 | 87.111 | 0.21077 | 0.00000 | 316523.1 | 169479.3 | 100632.1 | S |
| 62.683 | 0.0000 | 0.0000 | 87.111 | 0.21073 | 0.00000 | 316523.1 | 169485.6 | 100632.1 | S |
| 62.692 | 0.0000 | 0.0000 | 87.110 | 0.21070 | 0.00000 | 316523.1 | 169491.9 | 100632.1 | S |
| 62.700 | 0.0000 | 0.0000 | 87.110 | 0.21066 | 0.00000 | 316523.1 | 169498.3 | 100632.1 | S |
| 62.708 | 0.0000 | 0.0000 | 87.110 | 0.21063 | 0.00000 | 316523.1 | 169504.6 | 100632.1 | S |
| 62.717 | 0.0000 | 0.0000 | 87.109 | 0.21059 | 0.00000 | 316523.1 | 169510.9 | 100632.1 | S |
| 62.725 | 0.0000 | 0.0000 | 87.109 | 0.21056 | 0.00000 | 316523.1 | 169517.2 | 100632.1 | S |
| 62.733 | 0.0000 | 0.0000 | 87.109 | 0.21052 | 0.00000 | 316523.1 | 169523.5 | 100632.1 | S |
| 62.742 | 0.0000 | 0.0000 | 87.108 | 0.21049 | 0.00000 | 316523.1 | 169529.8 | 100632.1 | S |
| 62.750 | 0.0000 | 0.0000 | 87.108 | 0.21045 | 0.00000 | 316523.1 | 169536.2 | 100632.1 | S |
| 62.758 | 0.0000 | 0.0000 | 87.108 | 0.21042 | 0.00000 | 316523.1 | 169542.5 | 100632.1 | S |
| 62.767 | 0.0000 | 0.0000 | 87.108 | 0.21038 | 0.00000 | 316523.1 | 169548.8 | 100632.1 | S |
| 62.775 | 0.0000 | 0.0000 | 87.107 | 0.21035 | 0.00000 | 316523.1 | 169555.1 | 100632.1 | S |
| 62.783 | 0.0000 | 0.0000 | 87.107 | 0.21032 | 0.00000 | 316523.1 | 169561.4 | 100632.1 | S |
| 62.792 | 0.0000 | 0.0000 | 87.107 | 0.21028 | 0.00000 | 316523.1 | 169567.7 | 100632.1 | S |
| 62.800 | 0.0000 | 0.0000 | 87.106 | 0.21025 | 0.00000 | 316523.1 | 169574.0 | 100632.1 | S |
| 62.808 | 0.0000 | 0.0000 | 87.106 | 0.21021 | 0.00000 | 316523.1 | 169580.3 | 100632.1 | S |
| 62.817 | 0.0000 | 0.0000 | 87.106 | 0.21018 | 0.00000 | 316523.1 | 169586.6 | 100632.1 | S |
| 62.825 | 0.0000 | 0.0000 | 87.105 | 0.21014 | 0.00000 | 316523.1 | 169592.9 | 100632.1 | S |
| 62.833 | 0.0000 | 0.0000 | 87.105 | 0.21011 | 0.00000 | 316523.1 | 169599.2 | 100632.1 | S |
| 62.842 | 0.0000 | 0.0000 | 87.105 | 0.21007 | 0.00000 | 316523.1 | 169605.5 | 100632.1 | S |
| 62.850 | 0.0000 | 0.0000 | 87.104 | 0.21004 | 0.00000 | 316523.1 | 169611.8 | 100632.1 | S |
| 62.858 | 0.0000 | 0.0000 | 87.104 | 0.21000 | 0.00000 | 316523.1 | 169618.1 | 100632.1 | S |
| 62.867 | 0.0000 | 0.0000 | 87.104 | 0.20997 | 0.00000 | 316523.1 | 169624.4 | 100632.1 | S |
| 62.875 | 0.0000 | 0.0000 | 87.103 | 0.20993 | 0.00000 | 316523.1 | 169630.7 | 100632.1 | S |
| 62.883 | 0.0000 | 0.0000 | 87.103 | 0.20990 | 0.00000 | 316523.1 | 169637.0 | 100632.1 | S |
| 62.892 | 0.0000 | 0.0000 | 87.103 | 0.20986 | 0.00000 | 316523.1 | 169643.3 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont, d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge ( I /day) | Stage Elevation (ft datum) | Infiltration Rate (ft ${ }^{3} / \mathrm{s}$ ) | Overflow Discharge (ft ${ }^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative <br> Discharge <br> Volume ( $\mathrm{f}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 62.900 | 0.0000 | 0.0000 | 87.102 | 0.20983 | 0.00000 | 316523.1 | 169649.6 | 100632.1 | S |
| 62.908 | 0.0000 | 0.0000 | 87.102 | 0.20980 | 0.00000 | 316523.1 | 169655.9 | 100632.1 | S |
| 62.947 | 0.0000 | 0.0000 | 87.102 | 0.20976 | 0.00000 | 316523.1 | 169662.2 | 100632.1 | S |
| 62.925 | 0.0000 | 0.0000 | 87.101 | 0.20973 | 0.00000 | 316523.1 | 169668.5 | 100632.1 | S |
| 62.933 | 0.0000 | 0.0000 | 87.101 | 0.20969 | 0.00000 | 316523.1 | 169674.8 | 100632.1 | S |
| 62.942 | 0.0000 | 0.0000 | 87.101 | 0.20966 | 0.00000 | 316523.1 | 169681.1 | 100632.1 | S |
| 62.950 | 0.0000 | 0.0000 | 87.101 | 0.20962 | 0.00000 | 316523.1 | 169687.4 | 100632.1 | S |
| 62.958 | 0.0000 | 0.0000 | 87.100 | 0.20959 | 0.00000 | 316523.1 | 169693.7 | 100632.1 | S |
| 62.967 | 0.0000 | 0.0000 | 87.100 | 0.20955 | 0.00000 | 316523.1 | 169700.0 | 100632.1 | S |
| 62.975 | 0.0000 | 0.0000 | 87.100 | 0.20952 | 0.00000 | 316523.1 | 169706.2 | 100632.1 | S |
| 62.983 | 0.0000 | 0.0000 | 87.099 | 0.20948 | 0.00000 | 316523.1 | 169712.5 | 100632.1 | S |
| 62.992 | 0.0000 | 0.0000 | 87.099 | 0.20945 | 0.00000 | 316523.1 | 169718.8 | 100632.1 | S |
| 63.000 | 0.0000 | 0.0000 | 87.099 | 0.20942 | 0.00000 | 316523.1 | 169725.1 | 100632.1 | S |
| 63.008 | 0.0000 | 0.0000 | 87.098 | 0.20938 | 0.00000 | 316523.1 | 169731.4 | 100632.1 | S |
| 63.017 | 0.0000 | 0.0000 | 87.098 | 0.20935 | 0.00000 | 316523.1 | 169737.7 | 100632.1 | S |
| 63.025 | 0.0000 | 0.0000 | 87.098 | 0.20931 | 0.00000 | 316523.1 | 169743.9 | 100632.1 | S |
| 63.033 | 0.0000 | 0.0000 | 87.097 | 0.20928 | 0.00000 | 316523.1 | 169750.2 | 100632.1 | S |
| 63.042 | 0.0000 | 0.0000 | 87.097 | 0.20924 | 0.00000 | 316523.1 | 169756.5 | 100632.1 | S |
| 63.050 | 0.0000 | 0.0000 | 87.097 | 0.20921 | 0.00000 | 316523.1 | 169762.8 | 100632.1 | S |
| 63.058 | 0.0000 | 0.0000 | 87.096 | 0.20917 | 0.00000 | 316523.1 | 169769.0 | 700632.1 | S |
| 63.067 | 0.0000 | 0.0000 | 87.096 | 0.20914 | 0.00000 | 316523.1 | 169775.3 | 100632.1 | S |
| 63.075 | 0.0000 | 0.0000 | 87.096 | 0.20911 | 0.00000 | 316523.1 | 169787.6 | 100632.1 | S |
| 63.083 | 0.0000 | 0.0000 | 87.095 | 0.20907 | 0.00000 | 316523.1 | 169787.9 | 100632.1 | S |
| 63.092 | 0.0000 | 0.0000 | 87.095 | 0.20904 | 0.00000 | 316523.1 | 169794.1 | 100632.1 | S |
| 63.100 | 0.0000 | 0.0000 | 87.095 | 0.20900 | 0.00000 | 316523.1 | 169800.4 | 100632.1 | S |
| 63.108 | 0.0000 | 0.0000 | 87.094 | 0.20897 | 0.00000 | 316523.1 | 169806.7 | 100632.1 | S |
| 63.117 | 0.0000 | 0.0000 | 87.094 | 0.20893 | 0.00000 | 316523.1 | 169812.9 | 100632.1 | S |
| 63.125 | 0.0000 | 0.0000 | 87.094 | 0.20890 | 0.00000 | 316523.1 | 169819.2 | 100632.1 | S |
| 63.133 | 0.0000 | 0.0000 | 87.094 | 0.20886 | 0.00000 | 316523.1 | 169825.5 | 100632.1 | S |
| 63.142 | 0.0000 | 0.0000 | 87.093 | 0.20883 | 0.00000 | 316523.1 | 169831.8 | 100632.1 | S |
| 63.150 | 0.0000 | 0.0000 | 87.093 | 0.20880 | 0.00000 | 316523.1 | 169838.0 | 100632.1 | S |
| 63.158 | 0.0000 | 0.0000 | 87.093 | 0.20876 | 0.00000 | 316523.1 | 169844.3 | 100632.1 | S |
| 63.167 | 0.0000 | 0.0000 | 87.092 | 0.20873 | 0.00000 | 316523.1 | 169850.5 | 100632.1 | S |
| 63.175 | 0.0000 | 0.0000 | 87.092 | 0.20869 | 0.00000 | 316523.1 | 169856.8 | 100632.1 | S |
| 63.183 | 0.0000 | 0.0000 | 87.092 | 0.20866 | 0.00000 | 316523.1 | 169863.0 | 100632.1 | S |
| 63.192 | 0.0000 | 0.0000 | 87.091 | 0.20862 | 0.00000 | 316523.1 | 169869.3 | 100632.1 | S |
| 63.200 | 0.0000 | 0.0000 | 87.091 | 0.20859 | 0.00000 | 316523.1 | 169875.6 | 100632.1 | S |
| 63.208 | 0.0000 | 0.0000 | 87.091 | 0.20856 | 0.00000 | 316523.1 | 169881.8 | 100632.1 | S |
| 63.217 | 0.0000 | 0.0000 | 87.090 | 0.20852 | 0.00000 | 316523.1 | 169888.1 | 100632.7 | S |
| 63.225 | 0.0000 | 0.0000 | 87.090 | 0.20849 | 0.00000 | 316523.1 | 169894.3 | 100632.1 | S |
| 63.233 | 0.0000 | 0.0000 | 87.090 | 0.20845 | 0.00000 | 316523.1 | 169900.6 | 100632.1 | S |
| 63.242 | 0.0000 | 0.0000 | 87.089 | 0.20842 | 0.00000 | 316523.1 | 169906.8 | 100632.1 | S |
| 63.250 | 0.0000 | 0.0000 | 87.089 | 0.20838 | 0.00000 | 316523.1 | 169913.1 | 100632.1 | S |
| 63.258 | 0.0000 | 0.0000 | 87.089 | 0.20835 | 0.00000 | 316523.1 | 169919.3 | 100632.1 | S |
| 63.267 | 0.0000 | 0.0000 | 87.088 | 0.20832 | 0.00000 | 316523.1 | 169925.6 | 100632.1 | S |
| 63.275 | 0.0000 | 0.0000 | 87.088 | 0.20828 | 0.00000 | 316523.1 | 169931.8 | $\ddagger 00632.1$ | S |
| 63.283 | 0.0000 | 0.0000 | 87.088 | 0.20825 | 0.00000 | 316523.1 | 169938.1 | 100632.1 | S |
| 63.292 | 0.0000 | 0.0000 | 87.087 | 0.20821 | 0.00000 | 316523.1 | 169944.3 | 100632.1 | S |
| 63.300 | 0.0000 | 0.0000 | 87.087 | 0.20818 | 0.00000 | 316523.1 | 169950.6 | 100632.1 | S |
| 63.308 | 0.0000 | 0.0000 | 87.087 | 0.20815 | 0.00000 | 316523.1 | 169956.8 | 100632.1 | S |
| 63.317 | 0.0000 | 0.0000 | 87.087 | 0.20811 | 0.00000 | 316523.1 | 169963.1 | 100632.1 | S |
| 63.325 | 0.0000 | 0.0000 | 87.086 | 0.20808 | 0.00000 | 316523.1 | 169969.3 | 100632.1 | S |
| 63.333 | 0.0000 | 0.0000 | 87.086 | 0.20804 | 0.00000 | 316523.1 | 169975.6 | 100632.1 | S |
| 63.342 | 0.0000 | 0.0000 | 87.086 | 0.20801 | 0.00000 | 316523.1 | 169981.8 | 100632.1 | S |
| 63.350 | 0.0000 | 0.0000 | 87.085 | 0.20797 | 0.00000 | 316523.1 | 169988.0 | 100632.1 | S |
| 63.358 | 0.0000 | 0.0000 | 87.085 | 0.20794 | 0.00000 | 316523.1 | 169994.3 | 100632.1 | S |
| 63.367 | 0.0000 | 0.0000 | 87.085 | 0.20791 | 0.00000 | 316523.1 | 170000.5 | 100632.1 | S |
| 63.375 | 0.0000 | 0.0000 | 87.084 | 0.20787 | 0.00000 | 316523.1 | 170006.8 | 100632.1 | S |
| 63.383 | 0.0000 | 0.0000 | 87.084 | 0.20784 | 0.00000 | 316523.1 | 170013.0 | 100632.1 | S |
| 63.392 | 0.0000 | 0.0000 | 87.084 | 0.20780 | 0.00000 | 316523.1 | 170019.2 | 100632.1 | S |
| 63.400 | 0.0000 | 0.0000 | 87.083 | 0.20777 | 0.00000 | 316523.1 | 170025.5 | 100632.1 | S |
| 63.408 | 0.0000 | 0.0000 | 87.083 | 0.20774 | 0.00000 | 316523.1 | 170031.7 | 100632.1 | S |
| 63.417 | 0.0000 | 0.0000 | 87.083 | 0.20770 | 0.00000 | 316523.1 | 170037.9 | 100632.1 | S |
| 63.425 | 0.0000 | 0.0000 | 87.082 | 0.20767 | 0.00000 | 316523.1 | 170044.2 | 100632.1 | S |
| 63.433 | 0.0000 | 0.0000 | 87.082 | 0.20763 | 0.00000 | 316523.1 | 170050.4 | 100632.1 | S |
| 63.442 | 0.0000 | 0.0000 | 87.082 | 0.20760 | 0.00000 | 316523.1 | 170056.6 | 100632.1 | S |
| 63.450 | 0.0000 | 0.0000 | 87.081 | 0.20757 | 0.00000 | 316523.1 | 170062.8 | 100632.1 | S |
| 63.458 | 0.0000 | 0.0000 | 87.081 | 0.20753 | 0.00000 | 316523.1 | 170069.1 | 100632.1 | S |
| 63.467 | 0.0000 | 0.0000 | 87.081 | 0.20750 | 0.00000 | 316523.1 | 170075.3 | 100632.1 | S |
| 63.475 | 0.0000 | 0.0000 | 87.081 | 0.20746 | 0.00000 | 316523.1 | 170081.5 | 100632.1 | S |
| 63.483 | 0.0000 | 0.0000 | 87.080 | 0.20743 | 0.00000 | 316523.1 | 170087.7 | 100632.1 | S |
| 63.492 | 0.0000 | 0.0000 | 87.080 | 0.20740 | 0.00000 | 316523.1 | 170094.0 | 100632.1 | S |
| 63.500 | 0.0000 | 0.0000 | 87.080 | 0.20736 | 0.00000 | 316523.1 | 170100.2 | 100632.1 | S |
| 63.508 | 0.0000 | 0.0000 | 87.079 | 0.20733 | 0.00000 | 316523.1 | 170106.4 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{2} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation ( f datum) | Infiltration Rate ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Overfiow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative inflow Vołume ( $\mathrm{ft}^{3}$ ) | Cumulative infiltration Voiume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 63.517 | 0.0000 | 0.0000 | 87.079 | 0.20730 | 0.00000 | 316523.1 | 170112.6 | 100632.1 | S |
| 63.525 | 0.0000 | 0.0000 | 87.079 | 0.20726 | 0.00000 | 316523.1 | 170118.8 | 100632.1 | S |
| 63.533 | 0.0000 | 0.0000 | 87.078 | 0.20723 | 0.00000 | 316523.4 | 170125.1 | 100632.1 | S |
| 63.542 | 0.0000 | 0.0000 | 87.078 | 0.20719 | 0.00000 | 316523.1 | 170131.3 | 100632.1 | S |
| 63.550 | 0.0000 | 0.0000 | 87.078 | 0.20716 | 0.00000 | 316523.1 | 170137.5 | 100632.1 | S |
| 63.558 | 0.0000 | 0.0000 | 87.077 | 0.20713 | 0.00000 | 316523.1 | 170143.7 | 100632.1 | S |
| 63.567 | 0.0000 | 0.0000 | 87.077 | 0.20709 | 0.00000 | 316523.1 | 170149.9 | 100632.1 | S |
| 63.575 | 0.0000 | 0.0000 | 87.077 | 0.20706 | 0.00000 | 316523.1 | 170156.1 | 100632.1 | S |
| 63.583 | 0.0000 | 0.0000 | 87.076 | 0.20702 | 0.00000 | 316523.1 | 170162.3 | 100632.1 | S |
| 63.592 | 0.0000 | 0.0000 | 87.076 | 0.20699 | 0.00000 | 316523.1 | 170168.5 | 100632.1 | S |
| 63.600 | 0.0000 | 0.0000 | 87.076 | 0.20696 | 0.00000 | 316523.1 | 170174.8 | 100632.1 | S |
| 63.608 | 0.0000 | 0.0000 | 87.075 | 0.20692 | 0.00000 | 316523.1 | 170181.0 | 100632.1 | S |
| 63.617 | 0.0000 | 0.0000 | 87.075 | 0.20689 | 0.00000 | 316523.1 | 170187.2 | 100632.1 | S |
| 63.625 | 0.0000 | 0.0000 | 87.075 | 0.20686 | 0.00000 | 316523.1 | 170193.4 | 100632.1 | S |
| 63.633 | 0.0000 | 0.0000 | 87.075 | 0.20682 | 0.00000 | 316523.1 | 170199.6 | 100632.1 | S |
| 63.642 | 0.0000 | 0.0000 | 87.074 | 0.20679 | 0.00000 | 316523.1 | 170205.8 | 100632.1 | S |
| 63.650 | 0.0000 | 0.0000 | 87.074 | 0.20675 | 0.00000 | 316523.1 | 170212.0 | 100632.1 | S |
| 63.658 | 0.0000 | 0.0000 | 87.074 | 0.20672 | 0.00000 | 316523.1 | 170218.2 | 100632.1 | S |
| 63.667 | 0.0000 | 0.0000 | 87.073 | 0.20669 | 0.00000 | 316523.1 | 170224.4 | 100632, | S |
| 63.675 | 0.0000 | 0.0000 | 87.073 | 0.20665 | 0.00000 | 316523.1 | 170230.6 | 100632.1 | S |
| 63.683 | 0.0000 | 0.0000 | 87.073 | 0.20662 | 0.00000 | 316523.1 | \$70236.8 | 100632.1 | S |
| 63.692 | 0.0000 | 0.0000 | 87.072 | 0.20659 | 0.00000 | 316523.1 | 170243.0 | 100632.1 | S |
| 63.700 | 0.0000 | 0.0000 | 87.072 | 0.20655 | 0.00000 | 316523.1 | 170249.2 | 100632.1 | S |
| 63.708 | 0.0000 | 0.0000 | 87.072 | 0.20652 | 0.00000 | 316523.1 | 170255.4 | 100632.1 | S |
| 63.717 | 0.0000 | 0.0000 | 87.071 | 0.20648 | 0.00000 | 316523.1 | 170261.6 | 100632.1 | S |
| 63.725 | 0.0000 | 0.0000 | 87.071 | 0.20645 | 0.00000 | 316523.1 | 170267.8 | 100632.1 | S |
| 63.733 | 0.0000 | 0.0000 | 87.071 | 0.20642 | 0.00000 | 316523.1 | 170274.0 | 100632.1 | S |
| 63.742 | 0.0000 | 0.0000 | 87.070 | 0.20638 | 0.00000 | 316523.1 | 170280.2 | 100632.1 | S |
| 63.750 | 0.0000 | 0.0000 | 87.070 | 0.20635 | 0.00000 | 316523.1 | 170286.4 | 100632.1 | S |
| 63.758 | 0.0000 | 0.0000 | 87.070 | 0.20632 | 0.00000 | 316523.1 | 170292.5 | 100632.1 | S |
| 63.767 | 0.0000 | 0.0000 | 87.070 | 0.20628 | 0.00000 | 316523.1 | 170298.7 | 100632.1 | S |
| 63.775 | 0.0000 | 0.0000 | 87.069 | 0.20625 | 0.00000 | 316523.1 | 170304.9 | 100632.1 | S |
| 63.783 | 0.0000 | 0.0000 | 87.069 | 0.20622 | 0.00000 | 316523.1 | 170311.1 | 100632.1 | S |
| 63.792 | 0.0000 | 0.0000 | 87.069 | 0.20618 | 0.00000 | 316523.1 | 170317.3 | 100632.1 | S |
| 63.800 | 0.0000 | 0.0000 | 87.068 | 0.20615 | 0.00000 | 316523.1 | 170323.5 | 100632.1 | S |
| 63.808 | 0.0000 | 0.0000 | 87.068 | 0.20611 | 0.00000 | 316523.1 | 170329.7 | 100632.1 | S |
| 63.817 | 0.0000 | 0.0000 | 87.068 | 0.20608 | 0.00000 | 316523.1 | 170335.8 | 100632.1 | S |
| 63.825 | 0.0000 | 0.0000 | 87.067 | 0.20605 | 0.00000 | 316523.1 | 170342.0 | 100632.1 | S |
| 63.833 | 0.0000 | 0.0000 | 87.067 | 0.20601 | 0.00000 | 316523.1 | 170348.2 | 100632.1 | S |
| 63.842 | 0.0000 | 0.0000 | 87.067 | 0.20598 | 0.00000 | 316523.1 | 170354.4 | 100632.1 | S |
| 63.850 | 0.0000 | 0.0000 | 87.066 | 0.20595 | 0.00000 | 316523.1 | 170360.6 | 100632.1 | S |
| 63.858 | 0.0000 | 0.0000 | 87.066 | 0.20591 | 0.00000 | 316523.1 | 170366.8 | 100632.1 | S |
| 63.867 | 0.0000 | 0.0000 | 87.066 | 0.20588 | 0.00000 | 316523.1 | 170372.9 | 100632.1 | S |
| 63.875 | 0.0000 | 0.0000 | 87.065 | 0.20585 | 0.00000 | 316523.1 | 170379.1 | 100632.1 | S |
| 63.883 | 0.0000 | 0.0000 | 87.065 | 0.20581 | 0.00000 | 316523.1 | 170385.3 | 100632.1 | S |
| 63.892 | 0.0000 | 0.0000 | 87.065 | 0.20578 | 0.00000 | 316523.1 | 170391.5 | 100632.1 | S |
| 63.900 | 0.0000 | 0.0000 | 87.064 | 0.20575 | 0.00000 | 316523.1 | 170397.6 | 100632.1 | S |
| 63.908 | 0.0000 | 0.0000 | 87.064 | 0.20571 | 0.00000 | 316523.1 | 170403.8 | 100632.1 | S |
| 63.917 | 0.0000 | 0.0000 | 87.064 | 0.20568 | 0.00000 | 316523.1 | 170410.0 | 100632.1 | S |
| 63.925 | 0.0000 | 0.0000 | 87.064 | 0.20565 | 0.00000 | 316523.1 | 170416.1 | 100632.1 | S |
| 63.933 | 0.0000 | 0.0000 | 87.063 | 0.20561 | 0.00000 | 316523.1 | 170422.3 | 100632.1 | S |
| 63.942 | 0.0000 | 0.0000 | 87.063 | 0.20558 | 0.00000 | 316523.1 | 170428.5 | 100632.1 | S |
| 63.950 | 0.0000 | 0.0000 | 87.063 | 0.20555 | 0.00000 | 316523.1 | 170434.6 | 100632.1 | S |
| 63.958 | 0.0000 | 0.0000 | 87.062 | 0.20551 | 0.00000 | 316523.1 | 170440.8 | 100632.1 | S |
| 63.967 | 0.0000 | 0.0000 | 87.062 | 0.20548 | 0.00000 | 316523.1 | 170447.0 | 100632.1 | S |
| 63.975 | 0.0000 | 0.0000 | 87.062 | 0.20544 | 0.00000 | 316523.1 | 170453.1 | 100632.1 | S |
| 63.983 | 0.0000 | 0.0000 | 87.061 | 0.20541 | 0.00000 | 316523.1 | 170459.3 | 100632.1 | S |
| 63.992 | 0.0000 | 0.0000 | 87.061 | 0.20538 | 0.00000 | 316523.1 | 170465.5 | 100632.1 | S |
| 64.000 | 0.0000 | 0.0000 | 87.061 | 0.20534 | 0.00000 | 316523.1 | 170471.6 | 100632.1 | S |
| 64.008 | 0.0000 | 0.0000 | 87.060 | 0.20531 | 0.00000 | 316523.1 | 170477.8 | 100632.1 | S |
| 64.017 | 0.0000 | 0.0000 | 87.060 | 0.20528 | 0.00000 | 316523.1 | 170483.9 | 100632.1 | S |
| 64.025 | 0.0000 | 0.0000 | 87.060 | 0.20524 | 0.00000 | 316523.1 | 170490.1 | 100632.1 | S |
| 64.033 | 0.0000 | 0.0000 | 87.059 | 0.20521 | 0.00000 | 316523.1 | 170496.3 | 100632.1 | S |
| 64.042 | 0.0000 | 0.0000 | 87.059 | 0.20518 | 0.00000 | 316523.1 | 170502.4 | 100632.1 | S |
| 64.050 | 0.0000 | 0.0000 | 87.059 | 0.20514 | 0.00000 | 316523.1 | 170508.6 | 100632.1 | S |
| 64.058 | 0.0000 | 0.0000 | 87.059 | 0.20511 | 0.00000 | 316523.1 | 170514.7 | 100632.1 | S |
| 64.067 | 0.0000 | 0.0000 | 87.058 | 0.20508 | 0.00000 | 316523.1 | 170520.9 | 100632.1 | S |
| 64.075 | 0.0000 | 0.0000 | 87.058 | 0.20504 | 0.00000 | 316523.1 | 170527.0 | 100632.1 | S |
| 64.083 | 0.0000 | 0.0000 | 87.058 | 0.20501 | 0.00000 | 316523.1 | 170533.2 | 100632.1 | S |
| 64.092 | 0.0000 | 0.0000 | 87.057 | 0.20498 | 0.00000 | 316523.1 | 170539.3 | 100632.1 | S |
| 64.100 | 0.0000 | 0.0000 | 87.057 | 0.20495 | 0.00000 | 316523.1 | 170545.5 | 100632.1 | S |
| 64.108 | 0.0000 | 0.0000 | 87.057 | 0.20491 | 0.00000 | 316523.1 | 170551.6 | 100632.1 | S |
| 64.117 | 0.0000 | 0.0000 | 87.056 | 0.20488 | 0.00000 | 316523.1 | 170557.8 | 100632.1 | S |
| 64.125 | 0.0000 | 0.0000 | 87.056 | 0.20485 | 0.00000 | 316523.1 | 170563.9 | 100632.1 | S |

PONDS Version 3.2.0207

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow <br> Rate <br> ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 64.133 | 0.0000 | 0.0000 | 87.056 | 0.20481 | 0.00000 | 316523.1 | 170570.0 | 100632.1 | S |
| 64.142 | 0.0000 | 0.0000 | 87.055 | 0.20478 | 0.00000 | 316523.1 | 170576.2 | 100632.1 | S |
| 64.150 | 0.0000 | 0.0000 | 87.055 | 0.20475 | 0.00000 | 316523.1 | 170582.3 | 100632.1 | S |
| 64.158 | 0.0000 | 0.0000 | 87.055 | 0.20471 | 0.00000 | 316523.1 | 170588.5 | 100632.1 | S |
| 64.167 | 0.0000 | 0.0000 | 87.054 | 0.20468 | 0.00000 | 316523.1 | 170594.6 | 100632.1 | S |
| 64.175 | 0.0000 | 0.0000 | 87.054 | 0.20465 | 0.00000 | 316523.1 | 170600.8 | 100632.1 | S |
| 64.183 | 0.0000 | 0.0000 | 87.054 | 0.20461 | 0.00000 | 316523.1 | 170606.9 | 100632.1 | S |
| 64.192 | 0.0000 | 0.0000 | 87.054 | 0.20458 | 0.00000 | 316523.1 | 170613.0 | 100632.1 | S |
| 64.200 | 0.0000 | 0.0000 | 87.053 | 0.20455 | 0.00000 | 316523.1 | 170619.2 | 100632.1 | S |
| 64.208 | 0.0000 | 0.0000 | 87.053 | 0.20451 | 0.00000 | 316523.1 | 170625.3 | 100632.1 | S |
| 64.217 | 0.0000 | 0.0000 | 87.053 | 0.20448 | 0.00000 | 316523.1 | 170631.5 | 100632.1 | S |
| 64.225 | 0.0000 | 0.0000 | 87.052 | 0.20445 | 0.00000 | 316523.1 | 170637.6 | 100632.1 | S |
| 64.233 | 0.0000 | 0.0000 | 87.052 | 0.20441 | 0.00000 | 316523.1 | 170643.7 | 100632.1 | S |
| 64.242 | 0.0000 | 0.0000 | 87.052 | 0.20438 | 0.00000 | 316523.1 | 170649.8 | 100632.1 | S |
| 64.250 | 0.0000 | 0.0000 | 87.051 | 0.20435 | 0.00000 | 316523.1 | 170656.0 | 100632.1 | S |
| 64.258 | 0.0000 | 0.0000 | 87.051 | 0.20432 | 0.00000 | 316523.1 | 170662.1 | 100632.1 | S |
| 64.267 | 0.0000 | 0.0000 | 87.051 | 0.20428 | 0.00000 | 316523.1 | 170668.2 | 100632.1 | S |
| 64.275 | 0.0000 | 0.0000 | 87.050 | 0.20425 | 0.00000 | 316523.1 | 170674.4 | 100632.1 | S |
| 64.283 | 0.0000 | 0.0000 | 87.050 | 0.20422 | 0.00000 | 316523.1 | 170680.5 | 100632.1 | S |
| 64.292 | 0.0000 | 0.0000 | 87.050 | 0.20418 | 0.00000 | 316523.1 | 170686.6 | 100632.1 | S |
| 64.300 | 0.0000 | 0.0000 | 87.049 | 0.20415 | 0.00000 | 316523.1 | 170692.8 | 100632.1 | S |
| 64.308 | 0.0000 | 0.0000 | 87.049 | 0.20412 | 0.00000 | 316523.1 | 170698.9 | 100632.1 | S |
| 64.317 | 0.0000 | 0.0000 | 87.049 | 0.20408 | 0.00000 | 316523.1 | 170705.0 | 100632.1 | S |
| 64.325 | 0.0000 | 0.0000 | 87.049 | 0.20405 | 0.00000 | 316523.1 | 170711.1 | 100632.1 | S |
| 64.333 | 0.0000 | 0.0000 | 87.048 | 0.20402 | 0.00000 | 316523.1 | 170717.2 | 100632.1 | S |
| 64.342 | 0.0000 | 0.0000 | 87.048 | 0.20398 | 0.00000 | 316523.1 | 170723.4 | 100632.1 | S |
| 64.350 | 0.0000 | 0.0000 | 87.048 | 0.20395 | 0.00000 | 316523.1 | 170729.5 | 100632.1 | S |
| 64.358 | 0.0000 | 0.0000 | 87.047 | 0.20392 | 0.00000 | 316523.1 | 170735.6 | 100632.1 | S |
| 64.367 | 0.0000 | 0.0000 | 87.047 | 0.20389 | 0.00000 | 316523.1 | 170741.7 | 100632.1 | S |
| 64.375 | 0.0000 | 0.0000 | 87.047 | 0.20385 | 0.00000 | 316523.1 | 170747.8 | 100632.1 | S |
| 64.383 | 0.0000 | 0.0000 | 87.046 | 0.20382 | 0.00000 | 316523.1 | 170753.9 | 100632.1 | S |
| 64.392 | 0.0000 | 0.0000 | 87.046 | 0.20379 | 0.00000 | 316523.1 | 170760.0 | 100632.1 | S |
| 64.400 | 0.0000 | 0.0000 | 87.046 | 0.20375 | 0.00000 | 316523.1 | 170766.2 | 100632.1 | S |
| 64.408 | 0.0000 | 0.0000 | 87.045 | 0.20372 | 0.00000 | 316523.1 | 170772.3 | 100632.1 | S |
| 64.417 | 0.0000 | 0.0000 | 87.045 | 0.20369 | 0.00000 | 316523.1 | 170778.4 | 100632.1 | S |
| 64.425 | 0.0000 | 0.0000 | 87.045 | 0.20366 | 0.00000 | 316523.1 | 170784.5 | 100632.1 | S |
| 64.433 | 0.0000 | 0.0000 | 87.044 | 0.20362 | 0.00000 | 316523.1 | 170790.6 | 100632.1 | S |
| 64.442 | 0.0000 | 0.0000 | 87.044 | 0.20359 | 0.00000 | 316523.1 | 170796.7 | 100632.1 | S |
| 64.450 | 0.0000 | 0.0000 | 87.044 | 0.20356 | 0.00000 | 316523.1 | 170802.8 | 100632.1 | S |
| 64.458 | 0.0000 | 0.0000 | 87.044 | 0.20352 | 0.00000 | 316523.1 | 170808.9 | 100632.1 | S |
| 64.467 | 0.0000 | 0.0000 | 87.043 | 0.20349 | 0.00000 | 316523.1 | 170815.0 | 100632.1 | S |
| 64.475 | 0.0000 | 0.0000 | 87.043 | 0.20346 | 0.00000 | 316523.1 | 170821.1 | 100632.1 | S |
| 64.483 | 0.0000 | 0.0000 | 87.043 | 0.20343 | 0.00000 | 316523.1 | 170827.3 | 100632.1 | S |
| 64.492 | 0.0000 | 0.0000 | 87.042 | 0.20339 | 0.00000 | 316523.1 | 170833.3 | 100632.1 | S |
| 64.500 | 0.0000 | 0.0000 | 87.042 | 0.20336 | 0.00000 | 316523.1 | 170839.5 | 100632.1 | S |
| 64.508 | 0.0000 | 0.0000 | 87.042 | 0.20333 | 0.00000 | 316523.1 | 170845.5 | 100632.1 | S |
| 64.517 | 0.0000 | 0.0000 | 87.041 | 0.20329 | 0.00000 | 316523.1 | 170851.6 | 100632.1 | S |
| 64.525 | 0.0000 | 0.0000 | 87.041 | 0.20326 | 0.00000 | 316523.1 | 170857.8 | 100632.1 | S |
| 64.533 | 0.0000 | 0.0000 | 87.041 | 0.20323 | 0.00000 | 316523.1 | 170863.8 | 100632.1 | S |
| 64.542 | 0.0000 | 0.0000 | 87.040 | 0.20320 | 0.00000 | 316523.1 | 170869.9 | 100632.1 | S |
| 64.550 | 0.0000 | 0.0000 | 87.040 | 0.20376 | 0.00000 | 316523.1 | 170876.0 | 100632.1 | S |
| 64.558 | 0.0000 | 0.0000 | 87.040 | 0.20313 | 0.00000 | 316523.1 | 170882.1 | 100632.1 | S |
| 64.567 | 0.0000 | 0.0000 | 87.039 | 0.20310 | 0.00000 | 316523.1 | 170888.2 | 100632.1 | S |
| 64.575 | 0.0000 | 0.0000 | 87.039 | 0.20306 | 0.00000 | 316523.1 | 170894.3 | 100632.1 | S |
| 64.583 | 0.0000 | 0.0000 | 87.039 | 0.20303 | 0.00000 | 316523.1 | 170900.4 | 100632.1 | S |
| 64.592 | 0.0000 | 0.0000 | 87.039 | 0.20300 | 0.00000 | 316523.1 | 170906.5 | 100632.1 | S |
| 64.600 | 0.0000 | 0.0000 | 87.038 | 0.20297 | 0.00000 | 316523.1 | 170912.6 | 100632.1 | S |
| 64.608 | 0.0000 | 0.0000 | 87.038 | 0.20293 | 0.00000 | 316523.1 | 170918.7 | 100632.1 | S |
| 64.617 | 0.0000 | 0.0000 | 87.038 | 0.20290 | 0.00000 | 316523.1 | 170924.8 | 100632.1 | S |
| 64.625 | 0.0000 | 0.0000 | 87.037 | 0.20287 | 0.00000 | 316523.1 | 170930.8 | 100632.1 | S |
| 64.633 | 0.0000 | 0.0000 | 87.037 | 0.20284 | 0.00000 | 316523.1 | 170936.9 | 100632.1 | S |
| 64.642 | 0.0000 | 0.0000 | 87.037 | 0.20280 | 0.00000 | 316523.1 | 170943.0 | 100632.1 | S |
| 64.650 | 0.0000 | 0.0000 | 87.036 | 0.20277 | 0.00000 | 316523.1 | 170949.1 | 100632.1 | S |
| 64.658 | 0.0000 | 0.0000 | 87.036 | 0.20274 | 0.00000 | 316523.1 | 170955.2 | 100632.1 | S |
| 64.667 | 0.0000 | 0.0000 | 87.036 | 0.20271 | 0.00000 | 316523.1 | 170961.3 | 100632.1 | S |
| 64.675 | 0.0000 | 0.0000 | 87.035 | 0.20267 | 0.00000 | 316523.1 | 170967.3 | 100632.1 | S |
| 64.683 | 0.0000 | 0.0000 | 87.035 | 0.20264 | 0.00000 | 316523.1 | 170973.4 | 100632.1 | S |
| 64.692 | 0.0000 | 0.0000 | 87.035 | 0.20261 | 0.00000 | 316523.1 | 170979.5 | 100632.1 | S |
| 64.700 | 0.0000 | 0.0000 | 87.035 | 0.20257 | 0.00000 | 316523.1 | 170985.6 | 100632.1 | S |
| 64.708 | 0.0000 | 0.0000 | 87.034 | 0.20254 | 0.00000 | 316523.1 | 170991.7 | 100632.1 | S |
| 64.717 | 0.0000 | 0.0000 | 87.034 | 0.20251 | 0.00000 | 316523.1 | 170997.7 | 100632.1 | S |
| 64.725 | 0.0000 | 0.0000 | 87.034 | 0.20248 | 0.00000 | 316523.1 | 171003.8 | 100632.1 | S |
| 64.733 | 0.0000 | 0.0000 | 87.033 | 0.20244 | 0.00000 | 316523.1 | 171009.9 | 100632.1 | S |
| 64.742 | 0.0000 | 0.0000 | 87.033 | 0.20241 | 0.00000 | 316523.1 | 171016.0 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Overfiow Discharge $\left(\mathrm{ft}^{3} / \mathrm{s}\right)$ | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 64.750 | 0.0000 | 0.0000 | 87.033 | 0.20238 | 0.00000 | 316523.1 | 171022.0 | 100632.1 | S |
| 64.758 | 0.0000 | 0.0000 | 87.032 | 0.20235 | 0.00000 | 316523.1 | 171028.1 | 100632.1 | S |
| 64.767 | 0.0000 | 0.0000 | 87.032 | 0.20231 | 0.00000 | 316523.1 | 171034.2 | 100632.1 | S |
| 64.775 | 0.0000 | 0.0000 | 87.032 | 0.20228 | 0.00000 | 316523.1 | 171040.2 | 100632.1 | S |
| 64.783 | 0.0000 | 0.0000 | 87.031 | 0.20225 | 0.00000 | 316523.1 | 171046.3 | 100632.4 | S |
| 64.792 | 0.0000 | 0.0000 | 87.031 | 0.20222 | 0.00000 | 316523.1 | 171052.4 | 100632.1 | S |
| 64.800 | 0.0000 | 0.0000 | 87.031 | 0.20218 | 0.00000 | 316523.1 | 171058.4 | 100632.1 | S |
| 64.808 | 0.0000 | 0.0000 | 87.030 | 0.20215 | 0.00000 | 316523.1 | 171064.5 | 100632.1 | S |
| 64.817 | 0.0000 | 0.0000 | 87.030 | 0.20212 | 0.00000 | 316523.1 | 171070.6 | 100632.1 | S |
| 64.825 | 0.0000 | 0.0000 | 87.030 | 0.20209 | 0.00000 | 316523.1 | 171076.6 | 100632.1 | S |
| 64.833 | 0.0000 | 0.0000 | 87.030 | 0.20205 | 0.00000 | 316523.1 | 171082.7 | 100632.1 | S |
| 64.842 | 0.0000 | 0.0000 | 87.029 | 0.20202 | 0.00000 | 316523.1 | 171088.8 | 100632.1 | S |
| 64.850 | 0.0000 | 0.0000 | 87.029 | 0.20199 | 0.00000 | 316523.1 | 171094.8 | 100632.1 | S |
| 64.858 | 0.0000 | 0.0000 | 87.029 | 0.20196 | 0.00000 | 316523.1 | 171100.9 | 100632.1 | S |
| 64.867 | 0.0000 | 0.0000 | 87.028 | 0.20192 | 0.00000 | 316523.1 | 171106.9 | 100632.1 | S |
| 64.875 | 0.0000 | 0.0000 | 87.028 | 0.20189 | 0.00000 | 316523.1 | 171113.0 | 100632.1 | S |
| 64.883 | 0.0000 | 0.0000 | 87.028 | 0.20186 | 0.00000 | 316523.1 | 171119.0 | 100632.1 | S |
| 64.892 | 0.0000 | 0.0000 | 87.027 | 0.20183 | 0.00000 | 316523.1 | 171125.1 | 100632.1 | S |
| 64.900 | 0.0000 | 0.0000 | 87.027 | 0.20180 | 0.00000 | 316523.1 | 171131.2 | 100632.1 | S |
| 64.908 | 0.0000 | 0.0000 | 87.027 | 0.20176 | 0.00000 | 316523.1 | 171137.2 | 100632.1 | S |
| 64.917 | 0.0000 | 0.0000 | 87.026 | 0.20173 | 0.00000 | 316523.1 | 171143.3 | 100632.1 | S |
| 64.925 | 0.0000 | 0.0000 | 87.026 | 0.20170 | 0.00000 | 316523.1 | 171149.3 | 100632.1 | S |
| 64.933 | 0.0000 | 0.0000 | 87.026 | 0.20167 | 0.00000 | 316523.1 | 171155.4 | 100632.1 | S |
| 64.942 | 0.0000 | 0.0000 | 87.026 | 0.20163 | 0.00000 | 316523.1 | 171161.4 | 100632.1 | S |
| 64.950 | 0.0000 | 0.0000 | 87.025 | 0.20160 | 0.00000 | 316523.1 | 171167.5 | 100632.1 | S |
| 64.958 | 0.0000 | 0.0000 | 87.025 | 0.20157 | 0.00000 | 316523.1 | 171173.5 | 100632.1 | S |
| 64.967 | 0.0000 | 0.0000 | 87.025 | 0.20154 | 0.00000 | 316523.1 | 171179.6 | 100832.1 | S |
| 64.975 | 0.0000 | 0.0000 | 87.024 | 0.20150 | 0.00000 | 316523.1 | 171185.6 | 100632.1 | S |
| 64.983 | 0.0000 | 0.0000 | 87.024 | 0.20147 | 0.00000 | 316523.1 | 171191.6 | 100632.1 | S |
| 64.992 | 0.0000 | 0.0000 | 87.024 | 0.20144 | 0.00000 | 316523.1 | 171197.7 | 100632.1 | S |
| 65.000 | 0.0000 | 0.0000 | 87.023 | 0.20141 | 0.00000 | 316523.1 | 171203.7 | 100632.1 | S |
| 65.008 | 0.0000 | 0.0000 | 87.023 | 0.20137 | 0.00000 | 316523.1 | 171209.8 | 100632.1 | S |
| 65.017 | 0.0000 | 0.0000 | 87.023 | 0.20134 | 0.00000 | 316523.1 | 171215.8 | 100632.1 | S |
| 65.025 | 0.0000 | 0.0000 | 87.022 | 0.20131 | 0.00000 | 316523.1 | 171221.9 | 100632.1 | S |
| 65.033 | 0.0000 | 0.0000 | 87.022 | 0.20128 | 0.00000 | 316523.1 | 171227.9 | 100632.1 | S |
| 65.042 | 0.0000 | 0.0000 | 87.022 | 0.20125 | 0.00000 | 316523.1 | 171233.9 | 100632.1 | S |
| 65.050 | 0.0000 | 0.0000 | 87.021 | 0.20121 | 0.00000 | 316523.1 | 171240.0 | 100632.1 | S |
| 65.058 | 0.0000 | 0.0000 | 87.021 | 0.20118 | 0.00000 | 316523.1 | 171246.0 | 100632.1 | S |
| 65.067 | 0.0000 | 0.0000 | 87.021 | 0.20115 | 0.00000 | 316523.1 | 171252.0 | 100632.1 | S |
| 65.075 | 0.0000 | 0.0000 | 87.021 | 0.20112 | 0.00000 | 316523.1 | 171258.1 | 100632.1 | S |
| 65.083 | 0.0000 | 0.0000 | 87.020 | 0.20108 | 0.00000 | 316523.1 | 171264.1 | 100632.1 | S |
| 65.092 | 0.0000 | 0.0000 | 87.020 | 0.20105 | 0.00000 | 316523.1 | 171270.1 | 100632.1 | S |
| 65.100 | 0.0000 | 0.0000 | 87.020 | 0.20102 | 0.00000 | 316523.1 | 171276.2 | 100632.1 | S |
| 65.108 | 0.0000 | 0.0000 | 87.019 | 0.20099 | 0.00000 | 316523.1 | 171282.2 | 100632.1 | S |
| 65.117 | 0.0000 | 0.0000 | 87.019 | 0.20096 | 0.00000 | 316523.1 | 171288.2 | 100632.1 | S |
| 65.125 | 0.0000 | 0.0000 | 87.019 | 0.20092 | 0.00000 | 316523.1 | 171294.3 | 100632.1 | S |
| 65.133 | 0.0000 | 0.0000 | 87.018 | 0.20089 | 0.00000 | 316523.1 | 171300.3 | 100632.1 | S |
| 65.142 | 0.0000 | 0.0000 | 87.018 | 0.20086 | 0.00000 | 316523.1 | 171306.3 | 100632.1 | S |
| 65.150 | 0.0000 | 0.0000 | 87.018 | 0.20083 | 0.00000 | 316523.1 | 171312.3 | 100632.1 | S |
| 65.158 | 0.0000 | 0.0000 | 87.017 | 0.20080 | 0.00000 | 316523.1 | $17 \ddagger 318.4$ | 100632.1 | S |
| 65.167 | 0.0000 | 0.0000 | 87.017 | 0.20076 | 0.00000 | 316523.1 | 171324.4 | 100632.1 | S |
| 65.175 | 0.0000 | 0.0000 | 87.017 | 0.20073 | 0.00000 | 316523.1 | 171330.4 | 100632.1 | S |
| 65.183 | 0.0000 | 0.0000 | 87.017 | 0.20070 | 0.00000 | 316523.1 | 171336.4 | 100632.1 | S |
| 65.192 | 0.0000 | 0.0000 | 87.016 | 0.20067 | 0.00000 | 316523.1 | 171342.5 | 100632.1 | S |
| 65.200 | 0.0000 | 0.0000 | 87.016 | 0.20064 | 0.00000 | 316523.1 | 171348.5 | 100632.1 | S |
| 65.208 | 0.0000 | 0.0000 | 87.016 | 0.20060 | 0.00000 | 316523.1 | 171354.5 | 100632.1 | S |
| 65.217 | 0.0000 | 0.0000 | 87.015 | 0.20057 | 0.00000 | 316523.1 | 171360.5 | 100632.1 | S |
| 65.225 | 0.0000 | 0.0000 | 87.015 | 0.20054 | 0.00000 | 316523.1 | 171366.5 | 100632.1 | S |
| 65.233 | 0.0000 | 0.0000 | 87.015 | 0.20051 | 0.00000 | 316523.1 | 171372.5 | 100632.1 | S |
| 65.242 | 0.0000 | 0.0000 | 87.014 | 0.20047 | 0.00000 | 316523.1 | 171378.5 | 100632.1 | S |
| 65.250 | 0.0000 | 0.0000 | 87.014 | 0.20044 | 0.00000 | 316523.1 | 171384.6 | 100632.1 | S |
| 65.258 | 0.0000 | 0.0000 | 87.014 | 0.20041 | 0.00000 | 316523.1 | 171390.6 | 100632.1 | S |
| 65.267 | 0.0000 | 0.0000 | 87.013 | 0.20038 | 0.00000 | 316523.1 | 171396.6 | 100632.1 | S |
| 65.275 | 0.0000 | 0.0000 | 87.013 | 0.20035 | 0.00000 | 316523.1 | 171402.6 | 100632.1 | S |
| 65.283 | 0.0000 | 0.0000 | 87.013 | 0.20031 | 0.00000 | 316523.1 | 171408.6 | 100632.1 | S |
| 65.292 | 0.0000 | 0.0000 | 87.013 | 0.20028 | 0.00000 | 316523.1 | 171414.6 | 100632.1 | S |
| 65.300 | 0.0000 | 0.0000 | 87.012 | 0.20025 | 0.00000 | 316523.1 | 171420.6 | 100632.1 | S |
| 65.308 | 0.0000 | 0.0000 | 87.012 | 0.20022 | 0.00000 | 316523.1 | 171426.6 | 100632.1 | S |
| 65.317 | 0.0000 | 0.0000 | 87.012 | 0.20019 | 0.00000 | 316523.1 | 171432.6 | 100632.1 | S |
| 65.325 | 0.0000 | 0.0000 | 87.011 | 0.20016 | 0.00000 | 316523.1 | 171438.6 | 100632.1 | S |
| 65.333 | 0.0000 | 0.0000 | 87.011 | 0.20012 | 0.00000 | 316523.1 | 171444.6 | 100632.1 | S |
| 65.342 | 0.0000 | 0.0000 | 87.011 | 0.20009 | 0.00000 | 316523.1 | 171450.7 | 100632.1 | S |
| 65.350 | 0.0000 | 0.0000 | 87.010 | 0.20006 | 0.00000 | 316523.1 | 171456.7 | 100632.1 | S |
| 65.358 | 0.0000 | 0.0000 | 87.010 | 0.20003 | 0.00000 | 316523.1 | 171462.7 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario $1::$ pond10 100 yr $/ 24$ Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{1 / 5}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate (ft ${ }^{3} \mathrm{~s}$ ) | Overfiow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumułative infilitration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative <br> Discharge <br> Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 65.367 | 0.0000 | 0.0000 | 87.010 | 0.20000 | 0.00000 | 316523.1 | 171468.7 | 100632.1 | S |
| 65.375 | 0.0000 | 0.0000 | 87.009 | 0.19996 | 0.00000 | 316523.1 | 171474.7 | 100632.1 | S |
| 65.383 | 0.0000 | 0.0000 | 87.009 | 0.19993 | 0.00000 | 316523.1 | 171480.7 | 100632.1 | S |
| 65.392 | 0.0000 | 0.0000 | 87.009 | 0.19990 | 0.00000 | 316523.1 | 171486.7 | 100632.1 | S |
| 65.400 | 0.0000 | 0.0000 | 87.009 | 0.19987 | 0.00000 | 316523.1 | 171492.6 | 100632.1 | S |
| 65.408 | 0.0000 | 0.0000 | 87.008 | 0.19984 | 0.00000 | 316523.1 | 171498.6 | 100632.1 | S |
| 65.417 | 0.0000 | 0.0000 | 87.008 | 0.19980 | 0.00000 | 316523.1 | 171504.6 | 100632.1 | S |
| 65.425 | 0.0000 | 0.0000 | 87.008 | 0.19977 | 0.00000 | 316523.1 | 171510.6 | 100632.1 | S |
| 65.433 | 0.0000 | 0.0000 | 87.007 | 0.19974 | 0.00000 | 316523.1 | 171516.6 | 100632.1 | S |
| 65.442 | 0.0000 | 0.0000 | 87.007 | 0.19971 | 0.00000 | 316523.1 | 171522.6 | 100632.1 | S |
| 65.450 | 0.0000 | 0.0000 | 87.007 | 0.19968 | 0.00000 | 316523.1 | 171528.6 | 100632.1 | S |
| 65.458 | 0.0000 | 0.0000 | 87.006 | 0.19965 | 0.00000 | 316523.1 | 171534.6 | 100632.1 | S |
| 65.467 | 0.0000 | 0.0000 | 87.006 | 0.19961 | 0.00000 | 316523.1 | 171540.6 | 100632.1 | S |
| 65.475 | 0.0000 | 0.0000 | 87.006 | 0.19958 | 0.00000 | 316523.1 | 171546.6 | 100632.1 | S |
| 65.483 | 0.0000 | 0.0000 | 87.005 | 0.19955 | 0.00000 | 316523.1 | 171552.6 | 100632.1 | S |
| 65.492 | 0.0000 | 0.0000 | 87.005 | 0.19952 | 0.00000 | 316523.1 | 171558.5 | 100632.1 | S |
| 65.500 | 0.0000 | 0.0000 | 87.005 | 0.19949 | 0.00000 | 316523.1 | 171564.5 | 100632.1 | S |
| 65.508 | 0.0000 | 0.0000 | 87.005 | 0.19945 | 0.00000 | 316523.1 | 171570.5 | 100632.1 | S |
| 65.517 | 0.0000 | 0.0000 | 87.004 | 0.19942 | 0.00000 | 316523.1 | 171576.5 | 100632.1 | S |
| 65.525 | 0.0000 | 0.0000 | 87.004 | 0.19939 | 0.00000 | 316523.1 | 171582.5 | 100632.1 | S |
| 65.533 | 0.0000 | 0.0000 | 87.004 | 0.19936 | 0.00000 | 316523.1 | 171588.5 | 100632.1 | S |
| 65.542 | 0.0000 | 0.0000 | 87.003 | 0.19933 | 0.00000 | 316523.1 | 171594.4 | 100632.1 | S |
| 65.550 | 0.0000 | 0.0000 | 87.003 | 0.19930 | 0.00000 | 316523.1 | 171600.4 | 100632.1 | S |
| 65.558 | 0.0000 | 0.0000 | 87.003 | 0.19926 | 0.00000 | 316523.1 | 171606.4 | 100632.1 | S |
| 65.567 | 0.0000 | 0.0000 | 87.002 | 0.19923 | 0.00000 | 316523.1 | 171612.4 | 100632.1 | S |
| 65.575 | 0.0000 | 0.0000 | 87.002 | 0.19920 | 0.00000 | 316523.1 | 171618.4 | 100632.1 | S |
| 65.583 | 0.0000 | 0.0000 | 87.002 | 0.19917 | 0.00000 | 316523.1 | 171624.3 | 100632.1 | S |
| 65.592 | 0.0000 | 0.0000 | 87.001 | 0.19914 | 0.00000 | 316523.1 | 171630.3 | 100632.1 | S |
| 65.600 | 0.0000 | 0.0000 | 87.001 | 0.19911 | 0.00000 | 316523.1 | 171636.3 | 100632.1 | S |
| 65.608 | 0.0000 | 0.0000 | 87.001 | 0.19907 | 0.00000 | 316523.1 | 171642.3 | 100632.1 | S |
| 65.617 | 0.0000 | 0.0000 | 87.001 | 0.19904 | 0.00000 | 316523.1 | 171648.2 | 100632.1 | S |
| 65.625 | 0.0000 | 0.0000 | 87.000 | 0.19901 | 0.00000 | 316523.1 | 171654.2 | 100632.1 | S |
| 65.633 | 0.0000 | 0.0000 | 87.000 | 0.19898 | 0.00000 | 316523.1 | 171660.2 | 100632.1 | S |
| 65.642 | 0.0000 | 0.0000 | 87.000 | 0.19895 | 0.00000 | 316523.1 | 171666.1 | 100632.1 | S |
| 65.650 | 0.0000 | 0.0000 | 86.999 | 0.19892 | 0.00000 | 316523.1 | 171672.1 | 100632.1 | S |
| 65.658 | 0.0000 | 0.0000 | 86.999 | 0.19888 | 0.00000 | 316523.1 | 171678.1 | 100632.1 | S |
| 65.667 | 0.0000 | 0.0000 | 86.999 | 0.19885 | 0.00000 | 316523.1 | 171684.0 | 100632.1 | S |
| 65.675 | 0.0000 | 0.0000 | 86.998 | 0.19882 | 0.00000 | 316523.1 | 171690.0 | 100632.1 | S |
| 65.683 | 0.0000 | 0.0000 | 86.998 | 0.19879 | 0.00000 | 316523.1 | 171696.0 | 100632.1 | S |
| 65.692 | 0.0000 | 0.0000 | 86.998 | 0.19876 | 0.00000 | 316523.1 | 171701.9 | 100632.1 | S |
| 65.700 | 0.0000 | 0.0000 | 86.997 | 0.19873 | 0.00000 | 316523.1 | 171707.9 | 100632.1 | S |
| 65.708 | 0.0000 | 0.0000 | 86.997 | 0.19870 | 0.00000 | 316523.1 | 171713.8 | 100632.1 | S |
| 65.717 | 0.0000 | 0.0000 | 86.997 | 0.19866 | 0.00000 | 316523.1 | 171719.8 | 100632.1 | S |
| 65.725 | 0.0000 | 0.0000 | 86.997 | 0.19863 | 0.00000 | 316523.1 | 171725.8 | 100632.1 | S |
| 65.733 | 0.0000 | 0.0000 | 86.996 | 0.19860 | 0.00000 | 316523.1 | 171731.7 | 100632.1 | S |
| 65.742 | 0.0000 | 0.0000 | 86.996 | 0.19857 | 0.00000 | 316523.1 | 171737.7 | 100632.1 | S |
| 65.750 | 0.0000 | 0.0000 | 86.996 | 0.19854 | 0.00000 | 316523.1 | 171743.6 | 100632.1 | S |
| 65.758 | 0.0000 | 0.0000 | 86.995 | 0.19851 | 0.00000 | 316523.1 | 171749.6 | 100632.1 | S |
| 65.767 | 0.0000 | 0.0000 | 86.995 | 0.19847 | 0.00000 | 316523.1 | 171755.5 | 100632.1 | S |
| 65.775 | 0.0000 | 0.0000 | 86.995 | 0.19844 | 0.00000 | 316523.1 | 171761.5 | 100632.1 | S |
| 65.783 | 0.0000 | 0.0000 | 86.994 | 0.19841 | 0.00000 | 316523.1 | \$71767.5 | 100632.1 | S |
| 65.792 | 0.0000 | 0.0000 | 86.994 | 0.19838 | 0.00000 | 316523.1 | 171773.4 | 100632.7 | S |
| 65.800 | 0.0000 | 0.0000 | 86.994 | 0.19835 | 0.00000 | 316523.1 | 171779.4 | 100632.1 | S |
| 65.808 | 0.0000 | 0.0000 | 86.994 | 0.19832 | 0.00000 | 316523.1 | 171785.3 | 100632.1 | S |
| 65.817 | 0.0000 | 0.0000 | 86.993 | 0.19829 | 0.00000 | 316523.1 | 171791.3 | 100632.1 | S |
| 65.825 | 0.0000 | 0.0000 | 86.993 | 0.19825 | 0.00000 | 316523.1 | 171797.2 | 100632.1 | S |
| 65.833 | 0.0000 | 0.0000 | 86.993 | 0.19822 | 0.00000 | 316523.1 | 171803.2 | 100632.1 | S |
| 65.842 | 0.0000 | 0.0000 | 86.992 | 0.19819 | 0.00000 | 316523.1 | 171809.1 | 100632.1 | S |
| 65.850 | 0.0000 | 0.0000 | 86.992 | 0.19816 | 0.00000 | 316523.1 | 171815.0 | 100632.1 | S |
| 65.858 | 0.0000 | 0.0000 | 86.992 | 0.19813 | 0.00000 | 316523.1 | 171821.0 | 100632.1 | S |
| 65.867 | 0.0000 | 0.0000 | 86.991 | 0.19810 | 0.00000 | 316523.1 | 171826.9 | 100632.1 | S |
| 65.875 | 0.0000 | 0.0000 | 86.991 | 0.19807 | 0.00000 | 316523.1 | 171832.9 | 100632.1 | S |
| 65.883 | 0.0000 | 0.0000 | 86.991 | 0.19803 | 0.00000 | 316523.1 | 171838.8 | 100632.1 | S |
| 65.892 | 0.0000 | 0.0000 | 86.990 | 0.19800 | 0.00000 | 316523.1 | 171844.8 | 100632.1 | S |
| 65.900 | 0.0000 | 0.0000 | 86.990 | 0.19797 | 0.00000 | 316523.1 | 171850.7 | 100632.1 | S |
| 65.908 | 0.0000 | 0.0000 | 86.990 | 0.19794 | 0.00000 | 316523.1 | 171856.6 | 100632.1 | S |
| 65.917 | 0.0000 | 0.0000 | 86.990 | 0.19791 | 0.00000 | 316523.1 | 171862.6 | 100632.1 | S |
| 65.925 | 0.0000 | 0.0000 | 86.989 | 0.19788 | 0.00000 | 316523.1 | 171868.5 | 100632.1 | S |
| 65.933 | 0.0000 | 0.0000 | 86.989 | 0.19785 | 0.00000 | 316523.1 | 171874.5 | 100632.1 | S |
| 65.942 | 0.0000 | 0.0000 | 86.989 | 0.19782 | 0.00000 | 316523.1 | 171880.4 | 100632.1 | S |
| 65.950 | 0.0000 | 0.0000 | 86.988 | 0.19778 | 0.00000 | 316523.1 | 171886.3 | 100632.1 | S |
| 65.958 | 0.0000 | 0.0000 | 86.988 | 0.19775 | 0.00000 | 316523.1 | 171892.3 | 100632.1 | S |
| 65.967 | 0.0000 | 0.0000 | 86.988 | 0.19772 | 0.00000 | 316523.1 | 171898.2 | 100632.1 | S |
| 65.975 | 0.0000 | 0.0000 | 86.987 | 0.19769 | 0.00000 | 316523.1 | 171904.1 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative unflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 65.983 | 0.0000 | 0.0000 | 86.987 | 0.19766 | 0.00000 | 316523.1 | 171910.0 | 100632.1 | S |
| 65.992 | 0.0000 | 0.0000 | 86.987 | 0.19763 | 0.00000 | 316523.1 | 171916.0 | 100632.1 | S |
| 66.000 | 0.0000 | 0.0000 | 86.986 | 0.19760 | 0.00000 | 316523.1 | 171921.9 | 100632.1 | S |
| 66.008 | 0.0000 | 0.0000 | 86.986 | 0.19757 | 0.00000 | 316523.1 | 171927.8 | 100632.1 | S |
| 66.017 | 0.0000 | 0.0000 | 86.986 | 0.19753 | 0.00000 | 316523.1 | 171933.8 | 100632.1 | S |
| 66.025 | 0.0000 | 0.0000 | 86.986 | 0.19750 | 0.00000 | 316523.1 | 171939.7 | 100632.1 | S |
| 66.033 | 0.0000 | 0.0000 | 86.985 | 0.19747 | 0.00000 | 316523.1 | 171945.6 | 100632.1 | S |
| 66.042 | 0.0000 | 0.0000 | 86.985 | 0.19744 | 0.00000 | 316523.1 | 171951.5 | 100632.1 | S |
| 66.050 | 0.0000 | 0.0000 | 86.985 | 0.19741 | 0.00000 | 316523.1 | 171957.5 | 100632.1 | S |
| 66.058 | 0.0000 | 0.0000 | 86.984 | 0.19738 | 0.00000 | 316523.1 | 171963.4 | 100632.1 | S |
| 66.067 | 0.0000 | 0.0000 | 86.984 | 0.19735 | 0.00000 | 316523.1 | 171969.3 | 100632.1 | S |
| 66.075 | 0.0000 | 0.0000 | 86.984 | 0.19732 | 0.00000 | 316523.1 | 171975.2 | 100632.1 | S |
| 66.083 | 0.0000 | 0.0000 | 86.983 | 0.19728 | 0.00000 | 316523.1 | 171981.1 | 100632.1 | S |
| 66.092 | 0.0000 | 0.0000 | 86.983 | 0.19725 | 0.00000 | 316523.1 | 171987.0 | 100632.1 | S |
| 66.100 | 0.0000 | 0.0000 | 86.983 | 0.19722 | 0.00000 | 316523.1 | 171993.0 | 100632.1 | S |
| 66.108 | 0.0000 | 0.0000 | 86.983 | 0.19719 | 0.00000 | 316523.1 | 171998.9 | 100632.1 | S |
| 66.117 | 0.0000 | 0.0000 | 86.982 | 0.19716 | 0.00000 | 316523.1 | 172004.8 | 100632.1 | S |
| 66.125 | 0.0000 | 0.0000 | 86.982 | 0.19713 | 0.00000 | 316523.1 | 172010.7 | 100632.1 | S |
| 66.133 | 0.0000 | 0.0000 | 86.982 | 0.19710 | 0.00000 | 316523.1 | 172016.6 | 100632.1 | S |
| 66.142 | 0.0000 | 0.0000 | 86.981 | 0.19707 | 0.00000 | 316523.1 | 172022.5 | 100632.1 | S |
| 66.150 | 0.0000 | 0.0000 | 86.981 | 0.19704 | 0.00000 | 316523.1 | 172028.5 | 100632.1 | S |
| 66.158 | 0.0000 | 0.0000 | 86.981 | 0.19700 | 0.00000 | 316523.1 | 172034.4 | 100632.1 | S |
| 66.167 | 0.0000 | 0.0000 | 86.980 | 0.19697 | 0.00000 | 316523.1 | 172040.3 | 100632.1 | S |
| 66.175 | 0.0000 | 0.0000 | 86.980 | 0.19694 | 0.00000 | 316523.1 | 172046.2 | 100632.1 | S |
| 66.183 | 0.0000 | 0.0000 | 86.980 | 0.19691 | 0.00000 | 316523.1 | 172052.1 | 100632.1 | S |
| 66.192 | 0.0000 | 0.0000 | 86.979 | 0.19688 | 0.00000 | 316523.1 | 172058.0 | 100632.1 | S |
| 66.200 | 0.0000 | 0.0000 | 86.979 | 0.19685 | 0.00000 | 316523.1 | 172063.9 | 100632.1 | S |
| 66.208 | 0.0000 | 0.0000 | 86.979 | 0.19682 | 0.00000 | 316523.1 | 172069.8 | 100632.1 | S |
| 66.217 | 0.0000 | 0.0000 | 86.979 | 0.19679 | 0.00000 | 316523.1 | 172075.7 | 100632.1 | S |
| 66.225 | 0.0000 | 0.0000 | 86.978 | 0.19676 | 0.00000 | 316523.1 | 172081.6 | 100632.1 | S |
| 66.233 | 0.0000 | 0.0000 | 86.978 | 0.19672 | 0.00000 | 316523.1 | 172087.5 | 100632.1 | S |
| 66.242 | 0.0000 | 0.0000 | 86.978 | 0.19669 | 0.00000 | 316523.1 | 172093.4 | 100632.1 | S |
| 66.250 | 0.0000 | 0.0000 | 86.977 | 0.19666 | 0.00000 | 316523.1 | 172099.3 | 100632.1 | S |
| 66.258 | 0.0000 | 0.0000 | 86.977 | 0.19663 | 0.00000 | 316523.1 | 172105.2 | 100632.1 | S |
| 66.267 | 0.0000 | 0.0000 | 86.977 | 0.19660 | 0.00000 | 316523.1 | 172111.1 | 100632.1 | S |
| 66.275 | 0.0000 | 0.0000 | 86.976 | 0.19657 | 0.00000 | 376523.1 | 172117.0 | 100632.1 | S |
| 66.283 | 0.0000 | 0.0000 | 86.976 | 0.19654 | 0.00000 | 316523.1 | 172122.9 | 100632.1 | S |
| 66.292 | 0.0000 | 0.0000 | 86.976 | 0.19651 | 0.00000 | 316523.1 | 172128.8 | 100632.1 | S |
| 66.300 | 0.0000 | 0.0000 | 86.976 | 0.19648 | 0.00000 | 316523.1 | 172134.7 | 100632.1 | S |
| 66.308 | 0.0000 | 0.0000 | 86.975 | 0.19645 | 0.00000 | 316523.1 | 172140.6 | 100632.1 | S |
| 66.317 | 0.0000 | 0.0000 | 86.975 | 0.19642 | 0.00000 | 316523.1 | 172146.5 | 100632.4 | S |
| 66.325 | 0.0000 | 0.0000 | 86.975 | 0.19638 | 0.00000 | 316523.1 | 172152.4 | 100632.1 | S |
| 66.333 | 0.0000 | 0.0000 | 86.974 | 0.19635 | 0.00000 | 316523.1 | 172158.3 | 100632.1 | S |
| 66.342 | 0.0000 | 0.0000 | 86.974 | 0.19632 | 0.00000 | 316523.1 | 172164.2 | 100632.1 | S |
| 66.350 | 0.0000 | 0.0000 | 86.974 | 0.19629 | 0.00000 | 316523.1 | 172170.0 | 100632.1 | S |
| 66.358 | 0.0000 | 0.0000 | 86.973 | 0.19626 | 0.00000 | 316523.1 | 172175.9 | 100632.1 | S |
| 66.367 | 0.0000 | 0.0000 | 86.973 | 0.19623 | 0.00000 | 316523.1 | 172181.8 | 100632.1 | S |
| 66.375 | 0.0000 | 0.0000 | 86.973 | 0.19620 | 0.00000 | 316523.1 | 172187.7 | 100632.1 | S |
| 66.383 | 0.0000 | 0.0000 | 86.972 | 0.19617 | 0.00000 | 316523.1 | 172193.6 | 100632.1 | S |
| 66.392 | 0.0000 | 0.0000 | 86.972 | 0.19614 | 0.00000 | 316523.1 | 172199.5 | 100632.1 | S |
| 66.400 | 0.0000 | 0.0000 | 86.972 | 0.19611 | 0.00000 | 316523.1 | 172205.4 | 100632.1 | S |
| 66.408 | 0.0000 | 0.0000 | 86.972 | 0.19608 | 0.00000 | 316523.1 | 172211.3 | 100632.7 | S |
| 66.417 | 0.0000 | 0.0000 | 86.971 | 0.19604 | 0.00000 | 316523.1 | 172217.1 | 100632.1 | S |
| 66.425 | 0.0000 | 0.0000 | 86.971 | 0.19601 | 0.00000 | 316523.1 | 172223.0 | 100632.1 | S |
| 66.433 | 0.0000 | 0.0000 | 86.971 | 0.19598 | 0.00000 | 316523.1 | 172228.9 | 100632.1 | S |
| 66.442 | 0.0000 | 0.0000 | 86.970 | 0.19595 | 0.00000 | 316523.1 | 172234.8 | 100632.1 | S |
| 66.450 | 0.0000 | 0.0000 | 86.970 | 0.19592 | 0.00000 | 316523.1 | 172240.6 | 100632.1 | S |
| 66.458 | 0.0000 | 0.0000 | 86.970 | 0.19589 | 0.00000 | 316523.1 | 172246.5 | 100632.1 | S |
| 66.467 | 0.0000 | 0.0000 | 86.969 | 0.19586 | 0.00000 | 316523.1 | 172252.4 | 100632.1 | S |
| 66.475 | 0.0000 | 0.0000 | 86.969 | 0.19583 | 0.00000 | 316523.1 | 172258.3 | 100632.1 | S |
| 66.483 | 0.0000 | 0.0000 | 86.969 | 0.19580 | 0.00000 | 316523.1 | 172264.2 | 100632.1 | S |
| 66.492 | 0.0000 | 0.0000 | 86.969 | 0.19577 | 0.00000 | 316523.1 | 172270.0 | 100632.1 | S |
| 66.500 | 0.0000 | 0.0000 | 86.968 | 0.19574 | 0.00000 | 316523.1 | 172275.9 | 100632.1 | S |
| 66.508 | 0.0000 | 0.0000 | 86.968 | 0.19571 | 0.00000 | 316523.1 | 172281.8 | 100632.1 | S |
| 66.517 | 0.0000 | 0.0000 | 86.968 | 0.19568 | 0.00000 | 316523.1 | 172287.6 | 100632.1 | S |
| 66.525 | 0.0000 | 0.0000 | 86.967 | 0.19564 | 0.00000 | 316523.1 | 172293.5 | 100632.1 | S |
| 66.533 | 0.0000 | 0.0000 | 86.967 | 0.19561 | 0.00000 | 316523.1 | 172299.4 | 100632.1 | S |
| 66.542 | 0.0000 | 0.0000 | 86.967 | 0.19558 | 0.00000 | 316523.1 | 172305.3 | 100632.1 | S |
| 66.550 | 0.0000 | 0.0000 | 86.966 | 0.19555 | 0.00000 | 316523.1 | 172311.1 | 100632.1 | S |
| 66.558 | 0.0000 | 0.0000 | 86.966 | 0.19552 | 0.00000 | 316523.1 | 172317.0 | 100632.1 | S |
| 66.567 | 0.0000 | 0.0000 | 86.966 | 0.19549 | 0.00000 | 316523.1 | 172322.8 | 100632.1 | S |
| 66.575 | 0.0000 | 0.0000 | 86.965 | 0.19546 | 0.00000 | 316523.1 | 172328.7 | 100632.1 | S |
| 66.583 | 0.0000 | 0.0000 | 86.965 | 0.19543 | 0.00000 | 316523.1 | 172334.6 | 100632.1 | S |
| 66.592 | 0.0000 | 0.0000 | 86.965 | 0.19540 | 0.00000 | 316523.1 | 172340.4 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (fl/day) | Stage Elevation (ft datum) | Infiltration Rate (ft ${ }^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 66.600 | 0.0000 | 0.0000 | 86.965 | 0.19537 | 0.00000 | 316523.1 | 172346.3 | 100632.1 | S |
| 66.608 | 0.0000 | 0.0000 | 86.964 | 0.19534 | 0.00000 | 316523.1 | 172352,2 | 100632.1 | S |
| 66.617 | 0.0000 | 0.0000 | 86.964 | 0.19531 | 0.00000 | 316523.1 | 172358.0 | 100632.1 | S |
| 66.625 | 0.0000 | 0.0000 | 86.964 | 0.19528 | 0.00000 | 316523.1 | 172363.9 | 100632.1 | S |
| 66.633 | 0.0000 | 0.0000 | 86.963 | 0.19525 | 0.00000 | 316523.1 | 172369.7 | 100632.1 | S |
| 66.642 | 0.0000 | 0.0000 | 86.963 | 0.19522 | 0.00000 | 316523.1 | 172375.6 | 100632.1 | S |
| 66.650 | 0.0000 | 0.0000 | 86.963 | 0.19518 | 0.00000 | 316523.1 | 172381.4 | 100632.1 | S |
| 66.658 | 0.0000 | 0.0000 | 86.962 | 0.19515 | 0.00000 | 316523.1 | 172387.3 | 100632.1 | S |
| 66.667 | 0.0000 | 0.0000 | 86.962 | 0.19512 | 0.00000 | 316523.1 | 172393.2 | 100632.1 | S |
| 66.675 | 0.0000 | 0.0000 | 86.962 | 0.19509 | 0.00000 | 316523.1 | 172399.0 | 100632.1 | S |
| 66.683 | 0.0000 | 0.0000 | 86.962 | 0.19506 | 0.00000 | 316523.1 | 172404.9 | 100632.1 | S |
| 66.692 | 0.0000 | 0.0000 | 86.961 | 0.19503 | 0.00000 | 316523.1 | 172410.7 | 100632.1 | S |
| 66.700 | 0.0000 | 0.0000 | 86.961 | 0.19500 | 0.00000 | 316523.1 | 172416.6 | 100632.1 | S |
| 66.708 | 0.0000 | 0.0000 | 86.961 | 0.19497 | 0.00000 | 316523.1 | 172422.4 | 100632.1 | S |
| 66.717 | 0.0000 | 0.0000 | 86.960 | 0.19494 | 0.00000 | 316523.1 | 172428.3 | 100632.1 | S |
| 66.725 | 0.0000 | 0.0000 | 86.960 | 0.19491 | 0.00000 | 316523.1 | 172434.1 | 100632.1 | S |
| 66.733 | 0.0000 | 0.0000 | 86.960 | 0.19488 | 0.00000 | 316523.1 | 172440.0 | 100632.1 | S |
| 66.742 | 0.0000 | 0.0000 | 86.959 | 0.19485 | 0.00000 | 316523.1 | 172445.8 | 100632.1 | S |
| 66.750 | 0.0000 | 0.0000 | 86.959 | 0.19482 | 0.00000 | 316523.1 | 172451.6 | 100632.1 | S |
| 66.758 | 0.0000 | 0.0000 | 86.959 | 0.19479 | 0.00000 | 316523.1 | 172457.5 | 100632.1 | S |
| 66.767 | 0.0000 | 0.0000 | 86.959 | 0.19476 | 0.00000 | 316523.1 | 172463.3 | 100632.1 | S |
| 66.775 | 0.0000 | 0.0000 | 86.958 | 0.19473 | 0.00000 | 316523.1 | 172469.2 | 100632.1 | S |
| 66.783 | 0.0000 | 0.0000 | 86.958 | 0.19470 | 0.00000 | 316523.1 | 172475.0 | 100632.1 | S |
| 66.792 | 0.0000 | 0.0000 | 86.958 | 0.19467 | 0.00000 | 316523.1 | 172480.9 | 100632.1 | S |
| 66.800 | 0.0000 | 0.0000 | 86.957 | 0.19464 | 0.00000 | 316523.1 | 172486.7 | 100632.1 | S |
| 66.808 | 0.0000 | 0.0000 | 86.957 | 0.19460 | 0.00000 | 316523.1 | 172492.5 | 100632.1 | S |
| 66.817 | 0.0000 | 0.0000 | 86.957 | 0.19457 | 0.00000 | 376523.1 | 172498.4 | 100632.1 | S |
| 66.825 | 0.0000 | 0.0000 | 86.956 | 0.19454 | 0.00000 | 316523.1 | 172504.2 | 100632.1 | S |
| 66.833 | 0.0000 | 0.0000 | 86.956 | 0.19451 | 0.00000 | 316523.1 | 172510.0 | 100632.1 | S |
| 66.842 | 0.0000 | 0.0000 | 86.956 | 0.19448 | 0.00000 | 316523.1 | 172515.9 | 100632.1 | S |
| 66.850 | 0.0000 | 0.0000 | 86.956 | 0.19445 | 0.00000 | 316523.1 | 172521.7 | 100632.1 | S |
| 66.858 | 0.0000 | 0.0000 | 86.955 | 0.19442 | 0.00000 | 316523.1 | 172527.5 | 100632.1 | S |
| 66.867 | 0.0000 | 0.0000 | 86.955 | 0.19439 | 0.00000 | 316523.1 | 172533.4 | 100632.1 | S |
| 66.875 | 0.0000 | 0.0000 | 86.955 | 0.19436 | 0.00000 | 316523.1 | 172539.2 | 100632.1 | S |
| 66.883 | 0.0000 | 0.0000 | 86.954 | 0.19433 | 0.00000 | 316523.1 | 172545.0 | 100632.1 | S |
| 66.892 | 0.0000 | 0.0000 | 86.954 | 0.19430 | 0.00000 | 316523.1 | 172550.9 | 100632.1 | S |
| 66.900 | 0.0000 | 0.0000 | 86.954 | 0.19427 | 0.00000 | 316523.1 | 172556.7 | 100632.1 | S |
| 66.908 | 0.0000 | 0.0000 | 86.953 | 0.19424 | 0.00000 | 316523.1 | 172562.5 | 100632.1 | S |
| 66.917 | 0.0000 | 0.0000 | 86.953 | 0.19421 | 0.00000 | 316523.1 | 172568.4 | 100632.1 | S |
| 66.925 | 0.0000 | 0.0000 | 86.953 | 0.19418 | 0.00000 | 316523.1 | 172574.2 | 100632.1 | S |
| 66.933 | 0.0000 | 0.0000 | 86.952 | 0.19415 | 0.00000 | 316523.1 | 172580.0 | 100632.1 | S |
| 66.942 | 0.0000 | 0.0000 | 86.952 | 0.19412 | 0.00000 | 316523.1 | 172585.8 | 100632.1 | S |
| 66.950 | 0.0000 | 0.0000 | 86.952 | 0.19409 | 0.00000 | 316523.1 | 172591.7 | 100632.1 | S |
| 66.958 | 0.0000 | 0.0000 | 86.952 | 0.19406 | 0.00000 | 316523.1 | 172597.5 | 100632.1 | S |
| 66.967 | 0.0000 | 0.0000 | 86.951 | 0.19403 | 0.00000 | 316523.1 | 172603.3 | 100632.1 | S |
| 66.975 | 0.0000 | 0.0000 | 86.951 | 0.19400 | 0.00000 | 316523.1 | 172609.1 | 100632.1 | S |
| 66.983 | 0.0000 | 0.0000 | 86.951 | 0.19397 | 0.00000 | 316523.1 | 172614.9 | 100632.1 | S |
| 66.992 | 0.0000 | 0.0000 | 86.950 | 0.19394 | 0.00000 | 316523.1 | 172620.8 | 100632.1 | S |
| 67.000 | 0.0000 | 0.0000 | 86.950 | 0.19391 | 0.00000 | 316523.1 | 172626.6 | 100632.1 | S |
| 67.008 | 0.0000 | 0.0000 | 86.950 | 0.19388 | 0.00000 | 316523.1 | 172632.4 | 100632.1 | S |
| 67.017 | 0.0000 | 0.0000 | 86.949 | 0.19385 | 0.00000 | 316523.1 | 172638.2 | 100632.1 | S |
| 67.025 | 0.0000 | 0.0000 | 86.949 | 0.19382 | 0.00000 | 316523.1 | 172644.0 | 100632.1 | S |
| 67.033 | 0.0000 | 0.0000 | 86.949 | 0.19379 | 0.00000 | 316523.1 | 172649.8 | 100632.1 | S |
| 67.042 | 0.0000 | 0.0000 | 86.949 | 0.19376 | 0.00000 | 316523.1 | 172655.6 | 100632.1 | S |
| 67.050 | 0.0000 | 0.0000 | 86.948 | 0.19373 | 0.00000 | 316523.1 | 172661.5 | 100632.1 | S |
| 67.058 | 0.0000 | 0.0000 | 86.948 | 0.19370 | 0.00000 | 316523.1 | 172667.3 | 100632.1 | S |
| 67.067 | 0.0000 | 0.0000 | 86.948 | 0.19367 | 0.00000 | 316523.1 | 172673.1 | 100632.1 | S |
| 67.075 | 0.0000 | 0.0000 | 86.947 | 0.19363 | 0.00000 | 316523.1 | 172678.9 | 100632.1 | S |
| 67.083 | 0.0000 | 0.0000 | 86.947 | 0.19360 | 0.00000 | 316523.1 | 172684.7 | 100632.1 | S |
| 67.092 | 0.0000 | 0.0000 | 86.947 | 0.19357 | 0.00000 | 316523.1 | 172690.5 | 100632.1 | S |
| 67.100 | 0.0000 | 0.0000 | 86.946 | 0.19354 | 0.00000 | 316523.1 | 172696.3 | 100632.1 | S |
| 67.108 | 0.0000 | 0.0000 | 86.946 | 0.19351 | 0.00000 | 316523.1 | 172702.1 | 100632.1 | S |
| 67.117 | 0.0000 | 0.0000 | 86.946 | 0.19348 | 0.00000 | 316523.1 | 172707.9 | 100632.1 | S |
| 67.125 | 0.0000 | 0.0000 | 86.946 | 0.19345 | 0.00000 | 316523.1 | 172713.7 | 100632.1 | S |
| 67.133 | 0.0000 | 0.0000 | 86.945 | 0.19342 | 0.00000 | 316523.1 | 172719.5 | 100632.1 | S |
| 67.142 | 0.0000 | 0.0000 | 86.945 | 0.19339 | 0.00000 | 316523.1 | 172725.3 | 100632.1 | S |
| 67.150 | 0.0000 | 0.0000 | 86.945 | 0.19336 | 0.00000 | 316523.1 | 172731.1 | 100632.1 | S |
| 67.158 | 0.0000 | 0.0000 | 86.944 | 0.19333 | 0.00000 | 316523.1 | 172736.9 | 100632.1 | S |
| 67.167 | 0.0000 | 0.0000 | 86.944 | 0.19330 | 0.00000 | 316523.1 | 172742.7 | 100632.1 | S |
| 67.175 | 0.0000 | 0.0000 | 86.944 | 0.19327 | 0.00000 | 316523.1 | 172748.5 | 100632.1 | S |
| 67.183 | 0.0000 | 0.0000 | 86.943 | 0.19324 | 0.00000 | 316523.1 | 172754.3 | 100632.1 | S |
| 67.192 | 0.0000 | 0.0000 | 86.943 | 0.19321 | 0.00000 | 316523.1 | 172760.1 | 100632.1 | S |
| 67.200 | 0.0000 | 0.0000 | 86.943 | 0.19318 | 0.00000 | 316523.1 | 172765.9 | 100632.1 | S |
| 67.208 | 0.0000 | 0.0000 | 86.943 | 0.19315 | 0.00000 | 316523.1 | 172771.7 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.

Detailed Results (cont, d.)
:: Scenario $1::$ pond10 100 yr $/ 24$ Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 67.217 | 0.0000 | 0.0000 | 86.942 | 0.19312 | 0.00000 | 316523.1 | 172777.5 | 100632.1 | S |
| 67.225 | 0.0000 | 0.0000 | 86.942 | 0.19309 | 0.00000 | 316523.1 | 172783.3 | 100632.1 | S |
| 67.233 | 0.0000 | 0.0000 | 86.942 | 0.19306 | 0.00000 | 316523.1 | 172789.1 | 100632.1 | S |
| 67.242 | 0.0000 | 0.0000 | 86.941 | 0.19303 | 0.00000 | 316523.1 | 172794.9 | 100632.1 | S |
| 67.250 | 0.0000 | 0.0000 | 86.941 | 0.19300 | 0.00000 | 316523.1 | 172800.7 | 100632.1 | S |
| 67.258 | 0.0000 | 0.0000 | 86.941 | 0.19297 | 0.00000 | 316523.1 | 172806.5 | 100632.1 | S |
| 67.267 | 0.0000 | 0.0000 | 86.940 | 0.19294 | 0.00000 | 316523.4 | 172812.3 | 100632.1 | S |
| 67.275 | 0.0000 | 0.0000 | 86.940 | 0.19291 | 0.00000 | 316523.1 | 172818.0 | 100632.1 | S |
| 67.283 | 0.0000 | 0.0000 | 86.940 | 0.19288 | 0.00000 | 316523.1 | 172823.8 | 100632.1 | S |
| 67.292 | 0.0000 | 0.0000 | 86.940 | 0.19285 | 0.00000 | 316523.1 | 172829.6 | 100632.1 | S |
| 67.300 | 0.0000 | 0.0000 | 86.939 | 0.19282 | 0.00000 | 316523.1 | 172835.4 | 100632.1 | S |
| 67.308 | 0.0000 | 0.0000 | 86.939 | 0.19279 | 0.00000 | 316523.1 | 172841.2 | 100632.1 | S |
| 67.317 | 0.0000 | 0.0000 | 86.939 | 0.19276 | 0.00000 | 316523.1 | 172847.0 | 100632.1 | S |
| 67.325 | 0.0000 | 0.0000 | 86.938 | 0.19273 | 0.00000 | 316523.1 | 172852.8 | 100632.1 | S |
| 67.333 | 0.0000 | 0.0000 | 86.938 | 0.19270 | 0.00000 | 316523.1 | 172858.5 | 100632.4 | S |
| 67.342 | 0.0000 | 0.0000 | 86.938 | 0.19267 | 0.00000 | 316523.1 | 172864.3 | 100632.1 | S |
| 67.350 | 0.0000 | 0.0000 | 86.937 | 0.19264 | 0.00000 | 316523.1 | 172870.1 | 100632.1 | S |
| 67.358 | 0.0000 | 0.0000 | 86.937 | 0.19261 | 0.00000 | 316523.1 | 172875.9 | 100632.1 | S |
| 67.367 | 0.0000 | 0.0000 | 86.937 | 0.19258 | 0.00000 | 316523.1 | 172881.7 | 100632.1 | S |
| 67.375 | 0.0000 | 0.0000 | 86.937 | 0.19255 | 0.00000 | 316523.1 | 172887.4 | 100632.1 | S |
| 67.383 | 0.0000 | 0.0000 | 86.936 | 0.19252 | 0.00000 | 316523.1 | 172893.2 | 100632.1 | S |
| 67.392 | 0.0000 | 0.0000 | 86.936 | 0.19249 | 0.00000 | 316523.1 | 172899.0 | 100632.1 | S |
| 67.400 | 0.0000 | 0.0000 | 86.936 | 0.19246 | 0.00000 | 316523.1 | 172904.8 | 100632.1 | S |
| 67.408 | 0.0000 | 0.0000 | 86.935 | 0.19243 | 0.00000 | 316523.1 | 172910.5 | 100632.1 | S |
| 67.417 | 0.0000 | 0.0000 | 86.935 | 0.19240 | 0.00000 | 316523.1 | 172916.3 | 100632.1 | S |
| 67.425 | 0.0000 | 0.0000 | 86.935 | 0.19237 | 0.00000 | 316523.1 | 172922.4 | 100632.1 | S |
| 67.433 | 0.0000 | 0.0000 | 86.934 | 0.19234 | 0.00000 | 316523.1 | 172927.8 | 100632.1 | S |
| 67.442 | 0.0000 | 0.0000 | 86.934 | 0.19231 | 0.00000 | 316523.1 | 172933.6 | 100632.1 | S |
| 67.450 | 0.0000 | 0.0000 | 86.934 | 0.19228 | 0.00000 | 316523.1 | 172939.4 | 100632.1 | S |
| 67.458 | 0.0000 | 0.0000 | 86.934 | 0.19225 | 0.00000 | 316523.1 | 172945.2 | 100632.7 | S |
| 67.467 | 0.0000 | 0.0000 | 86.933 | 0.19222 | 0.00000 | 316523.1 | 172950.9 | 100632.1 | S |
| 67.475 | 0.0000 | 0.0000 | 86.933 | 0.19220 | 0.00000 | 316523.1 | 172956.7 | 100632.1 | S |
| 67.483 | 0.0000 | 0.0000 | 86.933 | 0.19217 | 0.00000 | 316523.1 | 172962.5 | 100632.1 | S |
| 67.492 | 0.0000 | 0.0000 | 86.932 | 0.19214 | 0.00000 | 316523.1 | 172968.2 | 100632.1 | S |
| 67.500 | 0.0000 | 0.0000 | 86.932 | 0.19211 | 0.00000 | 316523.1 | 172974.0 | 100632.1 | S |
| 67.508 | 0.0000 | 0.0000 | 86.932 | 0.19208 | 0.00000 | 316523.1 | 172979.7 | 100632.1 | S |
| 67.517 | 0.0000 | 0.0000 | 86.931 | 0.19205 | 0.00000 | 316523.1 | 172985.5 | 100632.1 | S |
| 67.525 | 0.0000 | 0.0000 | 86.931 | 0.19202 | 0.00000 | 316523.1 | 172991.3 | 100632.1 | S |
| 67.533 | 0.0000 | 0.0000 | 86.931 | 0.19199 | 0.00000 | 316523.1 | 172997.0 | 100632.1 | S |
| 67.542 | 0.0000 | 0.0000 | 86.931 | 0.19196 | 0.00000 | 316523.1 | 173002.8 | 100632.1 | S |
| 67.550 | 0.0000 | 0.0000 | 86.930 | 0.19193 | 0.00000 | 316523.1 | 173008.5 | 100632.1 | S |
| 67.558 | 0.0000 | 0.0000 | 86.930 | 0.19190 | 0.00000 | 316523.1 | 173014.3 | 100632.1 | S |
| 67.567 | 0.0000 | 0.0000 | 86.930 | 0.19187 | 0.00000 | 316523.1 | 173020.0 | 100632.1 | S |
| 67.575 | 0.0000 | 0.0000 | 86.929 | 0.19184 | 0.00000 | 316523.1 | 173025.8 | 100632.1 | S |
| 67.583 | 0.0000 | 0.0000 | 86.929 | 0.19181 | 0.00000 | 316523.1 | 173031.6 | 100632.1 | S |
| 67.592 | 0.0000 | 0.0000 | 86.929 | 0.19178 | 0.00000 | 316523.1 | 173037.3 | 100632.1 | S |
| 67.600 | 0.0000 | 0.0000 | 86.928 | 0.19175 | 0.00000 | 316523.1 | 173043.1 | 100632.1 | S |
| 67.608 | 0.0000 | 0.0000 | 86,928 | 0.19172 | 0.00000 | 316523.1 | 173048.8 | 100632.1 | S |
| 67.617 | 0.0000 | 0.0000 | 86.928 | 0.19169 | 0.00000 | 316523.1 | 173054.6 | 100632.1 | S |
| 67.625 | 0.0000 | 0.0000 | 86.928 | 0.19166 | 0.00000 | 316523.1 | 173060.3 | 100632.1 | S |
| 67.633 | 0.0000 | 0.0000 | 86.927 | 0.19163 | 0.00000 | 316523.1 | 173066.1 | 100632.1 | S |
| 67.642 | 0.0000 | 0.0000 | 86.927 | 0.19160 | 0.00000 | 316523.1 | 173071.8 | 100632.1 | S |
| 67.650 | 0.0000 | 0.0000 | 86.927 | 0.19157 | 0.00000 | 316523.1 | 173077.6 | 100632.1 | S |
| 67.658 | 0.0000 | 0.0000 | 86.926 | 0.19154 | 0.00000 | 316523.1 | 173083.3 | 100632.1 | S |
| 67.667 | 0.0000 | 0.0000 | 86.926 | 0.19151 | 0.00000 | 316523.1 | 173089.1 | 100632.1 | S |
| 67.675 | 0.0000 | 0.0000 | 86.926 | 0.19148 | 0.00000 | 316523.1 | 173094.8 | 100632.1 | S |
| 67.683 | 0.0000 | 0.0000 | 86.925 | 0.19145 | 0.00000 | 316523.1 | 173100.5 | 100632.1 | S |
| 67.692 | 0.0000 | 0.0000 | 86.925 | 0.19142 | 0.00000 | 316523.1 | 173106.3 | 100632.1 | S |
| 67.700 | 0.0000 | 0.0000 | 86.925 | 0.19139 | 0.00000 | 316523.1 | 173112.0 | 100632.1 | S |
| 67.708 | 0.0000 | 0.0000 | 86.925 | 0.19136 | 0.00000 | 316523.1 | 173117.8 | 100632.1 | S |
| 67.717 | 0.0000 | 0.0000 | 86.924 | 0.19133 | 0.00000 | 316523.1 | 173123.5 | 100632.1 | S |
| 67.725 | 0.0000 | 0.0000 | 86.924 | 0.19130 | 0.00000 | 316523.1 | 173129.3 | 100632.1 | S |
| 67.733 | 0.0000 | 0.0000 | 86.924 | 0.19127 | 0.00000 | 316523.1 | 173135.0 | 100632.1 | S |
| 67.742 | 0.0000 | 0.0000 | 86.923 | 0.19125 | 0.00000 | 316523.1 | 173140.7 | 100632.1 | S |
| 67.750 | 0.0000 | 0.0000 | 86.923 | 0.19122 | 0.00000 | 316523.1 | 173146.5 | 100632.1 | S |
| 67.758 | 0.0000 | 0.0000 | 86.923 | 0.19119 | 0.00000 | 316523.1 | 173152.2 | 100632.1 | S |
| 67.767 | 0.0000 | 0.0000 | 86.923 | 0.19116 | 0.00000 | 316523.1 | 173157.9 | 100632.1 | S |
| 67.775 | 0.0000 | 0.0000 | 86.922 | 0.19113 | 0.00000 | 316523.1 | 173163.7 | 100632.1 | S |
| 67.783 | 0.0000 | 0.0000 | 86.922 | 0.19110 | 0.00000 | 316523.1 | 173169.4 | 100632.1 | S |
| 67.792 | 0.0000 | 0.0000 | 86.922 | 0.19107 | 0.00000 | 316523.1 | 173175.1 | 100632.1 | S |
| 67.800 | 0.0000 | 0.0000 | 86.921 | 0.19104 | 0.00000 | 316523.1 | 173180.9 | 100632.1 | S |
| 67.808 | 0.0000 | 0.0000 | 86.921 | 0.19101 | 0.00000 | 316523.1 | 173186.6 | 100632.1 | S |
| 67.817 | 0.0000 | 0.0000 | 86.921 | 0.19098 | 0.00000 | 316523.1 | 173192.3 | 100632.1 | S |
| 67.825 | 0.0000 | 0.0000 | 86.920 | 0.19095 | 0.00000 | 316523.1 | 173198.1 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/overflow

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{3 / s}$ ) | Outside Recharge (fi/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume (ft ${ }^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 67.833 | 0.0000 | 0.0000 | 86.920 | 0.19092 | 0.00000 | 316523.1 | 173203.8 | 100632.1 | S |
| 67.842 | 0.0000 | 0.0000 | 86.920 | 0.19089 | 0.00000 | 316523.1 | 173209.5 | 100632.1 | S |
| 67.850 | 0.0000 | 0.0000 | 86.920 | 0.19086 | 0.00000 | 316523.1 | 173215.3 | 100632.1 | S |
| 67.858 | 0.0000 | 0.0000 | 86.919 | 0.19083 | 0.00000 | 316523.1 | 173221.0 | 100632.1 | S |
| 67.867 | 0.0000 | 0.0000 | 86.919 | 0.19080 | 0.00000 | 316523.1 | 173226.7 | 100632.1 | S |
| 67.875 | 0.0000 | 0.0000 | 86.919 | 0.19077 | 0.00000 | 316523.1 | 173232.4 | 100632.1 | S |
| 67.883 | 0.0000 | 0.0000 | 86.918 | 0.19074 | 0.00000 | 316523.1 | 173238.1 | 100632.1 | S |
| 67.892 | 0.0000 | 0.0000 | 86.918 | 0.19071 | 0.00000 | 316523.1 | 173243.9 | 100632.1 | S |
| 67.900 | 0.0000 | 0.0000 | 86.918 | 0.19068 | 0.00000 | 316523.1 | 173249.6 | 100632.1 | S |
| 67.908 | 0.0000 | 0.0000 | 86.917 | 0.19066 | 0.00000 | 316523.1 | 173255.3 | 100632.1 | S |
| 67.917 | 0.0000 | 0.0000 | 86.917 | 0.19063 | 0.00000 | 316523.1 | 173261.0 | 100632.1 | S |
| 67.925 | 0.0000 | 0.0000 | 86.917 | 0.19060 | 0.00000 | 316523.1 | 173266.8 | 100632.1 | S |
| 67.933 | 0.0000 | 0.0000 | 86.917 | 0.19057 | 0.00000 | 316523.1 | 173272.5 | 100632.1 | S |
| 67.942 | 0.0000 | 0.0000 | 86.916 | 0.19054 | 0.00000 | 316523.1 | 173278.2 | 100632.1 | S |
| 67.950 | 0.0000 | 0.0000 | 86.916 | 0.19051 | 0.00000 | 316523.1 | 173283.9 | 100632.1 | S |
| 67.958 | 0.0000 | 0.0000 | 86.916 | 0.19048 | 0.00000 | 316523.1 | 173289.6 | 100632.1 | S |
| 67.967 | 0.0000 | 0.0000 | 86.915 | 0.19045 | 0.00000 | 316523.1 | 173295.3 | 100632.1 | S |
| 67.975 | 0.0000 | 0.0000 | 86.915 | 0.19042 | 0.00000 | 316523.1 | 173301.0 | 100632.1 | S |
| 67.983 | 0.0000 | 0.0000 | 86.915 | 0.19039 | 0.00000 | 316523.1 | 173306.8 | 100632.1 | S |
| 67.992 | 0.0000 | 0.0000 | 86.914 | 0.19036 | 0.00000 | 316523.1 | 173312.5 | 100632.1 | S |
| 68.000 | 0.0000 | 0.0000 | 86.914 | 0.19033 | 0.00000 | 316523.1 | 173318.2 | 100632.1 | S |
| 68.008 | 0.0000 | 0.0000 | 86.914 | 0.19030 | 0.00000 | 316523.1 | 173323.9 | 100632.1 | S |
| 68.017 | 0.0000 | 0.0000 | 86.914 | 0.19027 | 0.00000 | 316523.1 | 173329.6 | 100632.1 | S |
| 68.025 | 0.0000 | 0.0000 | 86.913 | 0.19024 | 0.00000 | 316523.1 | 173335.3 | 100632.1 | S |
| 68.033 | 0.0000 | 0.0000 | 86.913 | 0.19022 | 0.00000 | 316523.1 | 173341.0 | 100632.1 | S |
| 68.042 | 0.0000 | 0.0000 | 86.913 | 0.19019 | 0.00000 | 316523.1 | 173346.7 | 100632.1 | S |
| 68.050 | 0.0000 | 0.0000 | 86.912 | 0.19016 | 0.00000 | 316523.1 | 173352.4 | 100632.1 | S |
| 68.058 | 0.0000 | 0.0000 | 86.912 | 0.19013 | 0.00000 | 316523.1 | 173358.1 | 100632.1 | S |
| 68.067 | 0.0000 | 0.0000 | 86.912 | 0.19010 | 0.00000 | 316523.1 | 173363.8 | 100632.1 | S |
| 68.075 | 0.0000 | 0.0000 | 86.911 | 0.19007 | 0.00000 | 316523.1 | 173369.5 | 100632.1 | S |
| 68.083 | 0.0000 | 0.0000 | 86.911 | 0.19004 | 0.00000 | 316523.1 | 173375.2 | 100632.1 | S |
| 68.092 | 0.0000 | 0.0000 | 86.911 | 0.19001 | 0.00000 | 316523.1 | 173380.9 | 100632.1 | S |
| 68.100 | 0.0000 | 0.0000 | 86.911 | 0.18998 | 0.00000 | 316523.1 | 173386.6 | 100632.1 | S |
| 68.108 | 0.0000 | 0.0000 | 86.910 | 0.18995 | 0.00000 | 316523.1 | 173392.3 | 100632.1 | S |
| 68.117 | 0.0000 | 0.0000 | 86.910 | 0.18992 | 0.00000 | 316523.1 | 173398.0 | 100632.1 | S |
| 68.125 | 0.0000 | 0.0000 | 86.910 | 0.18989 | 0.00000 | 316523.1 | 173403.7 | 100632.1 | S |
| 68.133 | 0.0000 | 0.0000 | 86.909 | 0.18986 | 0.00000 | 316523.1 | 173409.4 | 100632.1 | S |
| 68.142 | 0.0000 | 0.0000 | 86.909 | 0.18983 | 0.00000 | 316523.1 | 173415.1 | 100632.1 | S |
| 68.150 | 0.0000 | 0.0000 | 86.909 | 0.18981 | 0.00000 | 316523.1 | 173420.8 | 100632.1 | S |
| 68.158 | 0.0000 | 0.0000 | 86.909 | 0.18978 | 0.00000 | 316523.1 | 173426.5 | 100632.1 | S |
| 68.167 | 0.0000 | 0.0000 | 86.908 | 0.18975 | 0.00000 | 316523.1 | 773432.2 | 100632.1 | S |
| 68.175 | 0.0000 | 0.0000 | 86.908 | 0.18972 | 0.00000 | 316523.1 | 173437.9 | 100632.1 | S |
| 68.183 | 0.0000 | 0.0000 | 86.908 | 0.18969 | 0.00000 | 316523.1 | 173443.6 | 100632.1 | S |
| 68.192 | 0.0000 | 0.0000 | 86.907 | 0.18966 | 0.00000 | 316523.1 | 173449.3 | 100632.1 | S |
| 68.200 | 0.0000 | 0.0000 | 86.907 | 0.18963 | 0.00000 | 316523.1 | 173455.0 | 100632.1 | S |
| 68.208 | 0.0000 | 0.0000 | 86.907 | 0.18960 | 0.00000 | 316523.1 | 173460.6 | 100632.1 | S |
| 68.217 | 0.0000 | 0.0000 | 86.906 | 0.18957 | 0.00000 | 316523.1 | 173466.3 | 100632.1 | S |
| 68.225 | 0.0000 | 0.0000 | 86.906 | 0.18954 | 0.00000 | 316523.1 | 173472.0 | 100632.1 | S |
| 68.233 | 0.0000 | 0.0000 | 86.906 | 0.18951 | 0.00000 | 316523.1 | 173477.7 | 100632.1 | S |
| 68.242 | 0.0000 | 0.0000 | 86.906 | 0.18949 | 0.00000 | 316523.1 | 173483.4 | 100632.1 | S |
| 68.250 | 0.0000 | 0.0000 | 86.905 | 0.18946 | 0.00000 | 316523.1 | 173489.1 | 100632.1 | S |
| 68.258 | 0.0000 | 0.0000 | 86.905 | 0.18943 | 0.00000 | 316523.1 | 173494.8 | 100632.1 | S |
| 68.267 | 0.0000 | 0.0000 | 86.905 | 0.18940 | 0.00000 | 316523.1 | 173500.4 | 100632.1 | S |
| 68.275 | 0.0000 | 0.0000 | 86.904 | 0.18937 | 0.00000 | 316523.1 | 173506.1 | 100632.1 | S |
| 68.283 | 0.0000 | 0.0000 | 86.904 | 0.18934 | 0.00000 | 316523.1 | 173511.8 | 100632.1 | S |
| 68.292 | 0.0000 | 0.0000 | 86.904 | 0.18931 | 0.00000 | 316523.1 | 173517.5 | 100632.1 | S |
| 68.300 | 0.0000 | 0.0000 | 86.903 | 0.18928 | 0.00000 | 316523.1 | 173523.2 | 100632.1 | S |
| 68.308 | 0.0000 | 0.0000 | 86.903 | 0.18925 | 0.00000 | 316523.1 | 173528.8 | 100632.1 | S |
| 68.317 | 0.0000 | 0.0000 | 86.903 | 0.18922 | 0.00000 | 316523.1 | 173534.5 | 100632.1 | S |
| 68.325 | 0.0000 | 0.0000 | 86.903 | 0.18919 | 0.00000 | 316523.1 | 173540.2 | 100632.1 | S |
| 68.333 | 0.0000 | 0.0000 | 86.902 | 0.18917 | 0.00000 | 316523.1 | 173545.9 | 100632.1 | S |
| 68.342 | 0.0000 | 0.0000 | 86.902 | 0.18914 | 0.00000 | 316523.1 | 173551.5 | 100632.1 | S |
| 68.350 | 0.0000 | 0.0000 | 86.902 | 0.18911 | 0.00000 | 316523.1 | 173557.2 | 100632.1 | S |
| 68.358 | 0.0000 | 0.0000 | 86.901 | 0.18908 | 0.00000 | 316523.1 | 173562.9 | 100632.1 | S |
| 68.367 | 0.0000 | 0.0000 | 86.901 | 0.18905 | 0.00000 | 316523.1 | 173568.6 | 100632.1 | S |
| 68.375 | 0.0000 | 0.0000 | 86.901 | 0.18902 | 0.00000 | 316523.1 | 173574.2 | 100632.1 | S |
| 68.383 | 0.0000 | 0.0000 | 86.901 | 0.18899 | 0.00000 | 316523.1 | 173579.9 | 100632.1 | S |
| 68.392 | 0.0000 | 0.0000 | 86.900 | 0.18896 | 0.00000 | 316523.1 | 173585.6 | 100632.1 | S |
| 68.400 | 0.0000 | 0.0000 | 86.900 | 0.18893 | 0.00000 | 316523.1 | 173591.2 | 100632.1 | S |
| 68.408 | 0.0000 | 0.0000 | 86.900 | 0.18890 | 0.00000 | 316523.1 | 173596.9 | 100632.1 | S |
| 68.417 | 0.0000 | 0.0000 | 86.899 | 0.18888 | 0.00000 | 316523.1 | 173602.6 | 100632.1 | S |
| 68.425 | 0.0000 | 0.0000 | 86.899 | 0.18885 | 0.00000 | 316523.1 | 173608.2 | 100632.1 | S |
| 68.433 | 0.0000 | 0.0000 | 86.899 | 0.18882 | 0.00000 | 316523.1 | 173613.9 | 100632.1 | S |
| 68.442 | 0.0000 | 0.0000 | 86.898 | 0.18879 | 0.00000 | 316523.1 | 173619.6 | 100632.1 | S |

PONDS Version 3.2.0207

Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{\mathrm{s}} / \mathrm{s}$ ) | Outside Recharge (I/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3 /} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 68.450 | 0.0000 | 0.0000 | 86.898 | 0.18876 | 0.00000 | 316523.1 | 173625.2 | 100632.1 | S |
| 68.458 | 0.0000 | 0.0000 | 86.898 | 0.18873 | 0.00000 | 316523.1 | 173630.9 | 100632.1 | S |
| 68.467 | 0.0000 | 0.0000 | 86.898 | 0.18870 | 0.00000 | 316523.1 | 173636.5 | 100632.1 | S |
| 68.475 | 0.0000 | 0.0000 | 86.897 | 0.18867 | 0.00000 | 316523.1 | 173642.2 | 100632.1 | S |
| 68.483 | 0.0000 | 0.0000 | 86.897 | 0.18864 | 0.00000 | 316523.1 | 173647.9 | 100632.1 | S |
| 68.492 | 0.0000 | 0.0000 | 86.897 | 0.18862 | 0.00000 | 316523.1 | 173653.5 | 100632.1 | S |
| 68.500 | 0.0000 | 0.0000 | 86.896 | 0.18859 | 0.00000 | 316523.1 | 173659.2 | 100632.1 | S |
| 68.508 | 0.0000 | 0.0000 | 86.896 | 0.18856 | 0.00000 | 316523.1 | 173664.8 | 100632.1 | S |
| 68.517 | 0.0000 | 0.0000 | 86.896 | 0.18853 | 0.00000 | 316523.1 | 173670.5 | 100632.1 | S |
| 68.525 | 0.0000 | 0.0000 | 86.895 | 0.18850 | 0.00000 | 316523.1 | 173676.2 | 100632.1 | S |
| 68.533 | 0.0000 | 0.0000 | 86.895 | 0.18847 | 0.00000 | 316523.1 | 173681.8 | 100632.1 | S |
| 68.542 | 0.0000 | 0.0000 | 86.895 | 0.18844 | 0.00000 | 316523.1 | 173687.5 | 100632.1 | S |
| 68.550 | 0.0000 | 0.0000 | 86.895 | 0.18841 | 0.00000 | 316523.1 | 173693.1 | 100632.1 | S |
| 68.558 | 0.0000 | 0.0000 | 86.894 | 0.18838 | 0.00000 | 316523.1 | 173698.8 | 100632.1 | S |
| 68.567 | 0.0000 | 0.0000 | 86.894 | 0.18836 | 0.00000 | 316523.1 | 173704.4 | 100632.1 | S |
| 68.575 | 0.0000 | 0.0000 | 86.894 | 0.18833 | 0.00000 | 316523.1 | 173710.1 | 100632.1 | S |
| 68.583 | 0.0000 | 0.0000 | 86.893 | 0.18830 | 0.00000 | 316523.1 | 173715.7 | 100632.1 | S |
| 68.592 | 0.0000 | 0.0000 | 86.893 | 0.18827 | 0.00000 | 316523.1 | 173721.4 | 100632.1 | S |
| 68.600 | 0.0000 | 0.0000 | 86.893 | 0.18824 | 0.00000 | 316523.1 | 173727.0 | 100632.1 | S |
| 68.608 | 0.0000 | 0.0000 | 86.893 | 0.18821 | 0.00000 | 316523.1 | 173732.7 | 100632.1 | S |
| 68.617 | 0.0000 | 0.0000 | 86.892 | 0.18818 | 0.00000 | 316523.1 | 173738.3 | 100632.1 | S |
| 68.625 | 0.0000 | 0.0000 | 86.892 | 0.18815 | 0.00000 | 316523.1 | 173744.0 | 100632.1 | S |
| 68.633 | 0.0000 | 0.0000 | 86.892 | 0.18813 | 0.00000 | 316523.1 | 173749.6 | 100632.1 | S |
| 68.642 | 0.0000 | 0.0000 | 86.891 | 0.18810 | 0.00000 | 316523.1 | 173755.3 | 100632.1 | S |
| 68.650 | 0.0000 | 0.0000 | 86.891 | 0.18807 | 0.00000 | 316523.1 | 173760.9 | 100632.1 | S |
| 68.658 | 0.0000 | 0.0000 | 86.891 | 0.18804 | 0.00000 | 316523.1 | 173766.5 | 100632.1 | S |
| 68.667 | 0.0000 | 0.0000 | 86.890 | 0.18801 | 0.00000 | 316523.1 | 173772.2 | 100632.1 | S |
| 68.675 | 0.0000 | 0.0000 | 86.890 | 0.18798 | 0.00000 | 316523.1 | 173777.8 | 100632.1 | S |
| 68.683 | 0.0000 | 0.0000 | 86.890 | 0.18795 | 0.00000 | 316523.1 | 173783.5 | 100632.1 | S |
| 68.692 | 0.0000 | 0.0000 | 86.890 | 0.18792 | 0.00000 | 316523.1 | 173789.1 | 100632.1 | S |
| 68.700 | 0.0000 | 0.0000 | 86.889 | 0.18790 | 0.00000 | 316523.1 | 173794.7 | 100632.1 | S |
| 68.708 | 0.0000 | 0,0000 | 86.889 | 0.18787 | 0.00000 | 316523.1 | 173800.4 | 100632.1 | S |
| 68.717 | 0.0000 | 0.0000 | 86.889 | 0.18784 | 0.00000 | 316523.1 | 173806.0 | 100632.1 | S |
| 68.725 | 0.0000 | 0.0000 | 86.888 | 0.18781 | 0.00000 | 316523.1 | 173811.6 | 100632.1 | S |
| 68.733 | 0.0000 | 0.0000 | 86.888 | 0.18778 | 0.00000 | 316523.1 | 173817.3 | 100632.1 | S |
| 68.742 | 0.0000 | 0.0000 | 86.888 | 0.18775 | 0.00000 | 316523.1 | 173822.9 | 100632.1 | S |
| 68.750 | 0.0000 | 0.0000 | 86.888 | 0.18772 | 0.00000 | 316523.1 | 173828.5 | 100632.1 | S |
| 68.758 | 0.0000 | 0.0000 | 86.887 | 0.18770 | 0.00000 | 316523.1 | 173834.2 | 100632.1 | S |
| 68.767 | 0.0000 | 0.0000 | 86.887 | 0.18767 | 0.00000 | 316523.1 | 173839.8 | 100632.1 | S |
| 68.775 | 0.0000 | 0.0000 | 86.887 | 0.18764 | 0.00000 | 316523.1 | 173845.4 | 100632.1 | S |
| 68.783 | 0.0000 | 0.0000 | 86.886 | 0.18761 | 0.00000 | 316523.1 | 173851.0 | 100632.1 | S |
| 68.792 | 0.0000 | 0.0000 | 86,886 | 0.18758 | 0.00000 | 316523.1 | 173856.7 | 100632.1 | S |
| 68.800 | 0.0000 | 0.0000 | 86.886 | 0.18755 | 0.00000 | 316523.1 | 173862.3 | 100632.1 | S |
| 68.808 | 0.0000 | 0.0000 | 86.885 | 0.18752 | 0.00000 | 316523.1 | 173867.9 | 100632.1 | S |
| 68.817 | 0.0000 | 0.0000 | 86.885 | 0.18749 | 0.00000 | 316523.1 | 173873.6 | 100632.1 | S |
| 68.825 | 0.0000 | 0.0000 | 86.885 | 0.18747 | 0.00000 | 316523.1 | 173879.2 | 100632.7 | S |
| 68.833 | 0.0000 | 0.0000 | 86.885 | 0.18744 | 0.00000 | 316523.1 | 173884.8 | 100632.1 | S |
| 68.842 | 0.0000 | 0.0000 | 86.884 | 0.18741 | 0.00000 | 316523.1 | 173890.4 | 100632.1 | S |
| 68.850 | 0.0000 | 0.0000 | 86.884 | 0.18738 | 0.00000 | 316523.1 | 173896.0 | 100632.1 | S |
| 68.858 | 0.0000 | 0.0000 | 86.884 | 0.18735 | 0.00000 | 316523.1 | 173901.7 | 100632.1 | S |
| 68.867 | 0.0000 | 0.0000 | 86.883 | 0.18732 | 0.00000 | 316523.1 | 173907.3 | 100632.1 | S |
| 68.875 | 0.0000 | 0.0000 | 86.883 | 0.18729 | 0.00000 | 316523.1 | 173912.9 | 100632.1 | S |
| 68.883 | 0.0000 | 0.0000 | 86.883 | 0.18727 | 0.00000 | 316523.1 | 173918.5 | 100632.1 | S |
| 68.892 | 0.0000 | 0.0000 | 86.883 | 0.18724 | 0.00000 | 316523.1 | 173924.1 | 100632.1 | S |
| 68.900 | 0.0000 | 0.0000 | 86.882 | 0.18721 | 0.00000 | 316523.1 | 173929.8 | 100632.1 | S |
| 68.908 | 0.0000 | 0.0000 | 86.882 | 0.18718 | 0.00000 | 316523.1 | 173935.4 | 100632.1 | S |
| 68.917 | 0.0000 | 0.0000 | 86.882 | 0.18715 | 0.00000 | 316523.1 | 173941.0 | 100632.1 | S |
| 68.925 | 0.0000 | 0.0000 | 86.881 | 0.18712 | 0.00000 | 316523.1 | 173946.6 | 100632.1 | S |
| 68.933 | 0.0000 | 0.0000 | 86.881 | 0.18710 | 0.00000 | 316523.1 | 173952.2 | 100632.1 | S |
| 68.942 | 0.0000 | 0.0000 | 86.881 | 0.18707 | 0.00000 | 316523.1 | 173957.8 | 100632.1 | S |
| 68.950 | 0.0000 | 0.0000 | 86.880 | 0.18704 | 0.00000 | 316523.1 | 173963.4 | 100632.1 | S |
| 68.958 | 0.0000 | 0.0000 | 86.880 | 0.18701 | 0.00000 | 316523.1 | 173969.0 | 100632.1 | S |
| 68.967 | 0.0000 | 0.0000 | 86,880 | 0.18698 | 0.00000 | 316523.1 | 173974.7 | 100632.1 | S |
| 68.975 | 0.0000 | 0.0000 | 86.880 | 0.18695 | 0.00000 | 316523.1 | 173980.3 | 100632.1 | S |
| 68.983 | 0.0000 | 0.0000 | 86.879 | 0.18692 | 0.00000 | 316523.1 | 173985.9 | 100632.1 | S |
| 68.992 | 0.0000 | 0.0000 | 86.879 | 0.18690 | 0.00000 | 316523.1 | 173991.5 | 100632.1 | S |
| 69.000 | 0.0000 | 0.0000 | 86.879 | 0.18687 | 0.00000 | 316523.1 | 173997.1 | 100632.1 | S |
| 69.008 | 0.0000 | 0.0000 | 86.878 | 0.18684 | 0.00000 | 316523.1 | 174002.7 | 100632.1 | S |
| 69.017 | 0.0000 | 0.0000 | 86.878 | 0.18681 | 0.00000 | 316523.1 | 174008.3 | 100632.1 | S |
| 69.025 | 0.0000 | 0.0000 | 86.878 | 0.18678 | 0.00000 | 316523.1 | 174013.9 | 100632.8 | S |
| 69.033 | 0.0000 | 0.0000 | 86.878 | 0.18675 | 0.00000 | 316523.1 | 174019.5 | 100632.1 | S |
| 69.042 | 0.0000 | 0.0000 | 86.877 | 0.18673 | 0.00000 | 316523.1 | 174025.1 | 100632.1 | S |
| 69.050 | 0.0000 | 0.0000 | 86.877 | 0.18670 | 0.00000 | 316523.1 | 174030.7 | 100632.1 | S |
| 69.058 | 0.0000 | 0.0000 | 86.877 | 0.18667 | 0.00000 | 316523.1 | 174036.3 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation ( t datum) | Infiltration Rate ( $\mathrm{H}^{3 / 1 / s)}$ | Overflow Discharge ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{fl}^{3}$ ) | $\begin{aligned} & \text { Flow } \\ & \text { Type } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 69.067 | 0.0000 | 0.0000 | 86.876 | 0.18664 | 0.00000 | 316523.1 | 174041.9 | 100632.1 | S |
| 69.075 | 0.0000 | 0.0000 | 86.876 | 0.18661 | 0.00000 | 316523.1 | 174047.5 | 100632.1 | S |
| 69.083 | 0.0000 | 0.0000 | 86.876 | 0.18658 | 0.00000 | 316523.1 | 174053.1 | 100632.1 | S |
| 69.092 | 0.0000 | 0.0000 | 86.875 | 0.18656 | 0.00000 | 316523.1 | 174058.7 | 100632.1 | S |
| 69.100 | 0.0000 | 0.0000 | 86.875 | 0.18653 | 0.00000 | 316523.1 | 174064.3 | 100632.1 | S |
| 69.108 | 0.0000 | 0.0000 | 86.875 | 0.18650 | 0.00000 | 316523.1 | 174069.9 | 100632.1 | S |
| 69.117 | 0.0000 | 0.0000 | 86.875 | 0.18647 | 0.00000 | 316523.1 | 174075.5 | 100632.1 | S |
| 69.125 | 0.0000 | 0.0000 | 86.874 | 0.18644 | 0.00000 | 316523.1 | 174081.1 | 100632.1 | S |
| 69.133 | 0.0000 | 0.0000 | 86.874 | 0.18641 | 0.00000 | 316523.1 | 174086.7 | 100632.1 | S |
| 69.142 | 0.0000 | 0.0000 | 86.874 | 0.18639 | 0.00000 | 316523.1 | 174092.3 | 100632.1 | S |
| 69.150 | 0.0000 | 0.0000 | 86.873 | 0.18636 | 0.00000 | 316523.1 | 174097.9 | 100632.1 | S |
| 69.158 | 0.0000 | 0.0000 | 86.873 | 0.18633 | 0.00000 | 316523.1 | 174103.5 | 100632.1 | S |
| 69.167 | 0.0000 | 0.0000 | 86.873 | 0.18630 | 0.00000 | 316523.1 | 174109.0 | 100632.1 | S |
| 69.175 | 0.0000 | 0.0000 | 86.873 | 0.18627 | 0.00000 | 316523.1 | 174114.6 | 100632.1 | S |
| 69.183 | 0.0000 | 0.0000 | 86.872 | 0.18624 | 0.00000 | 316523.1 | 174120.2 | 100632.1 | S |
| 69.192 | 0.0000 | 0.0000 | 86.872 | 0.18622 | 0.00000 | 316523.1 | 174125.8 | 100632.1 | S |
| 69.200 | 0.0000 | 0.0000 | 86.872 | 0.18619 | 0.00000 | 316523.1 | 174131.4 | 100632.1 | S |
| 69.208 | 0.0000 | 0.0000 | 86.871 | 0.18616 | 0.00000 | 316523.1 | 174137.0 | 100632.1 | S |
| 69.217 | 0.0000 | 0.0000 | 86.871 | 0.18613 | 0.00000 | 316523.1 | 174142.6 | 100632.1 | 5 |
| 69.225 | 0.0000 | 0.0000 | 86.871 | 0.18610 | 0.00000 | 316523.1 | 174148.1 | 100632.1 | S |
| 69.233 | 0.0000 | 0.0000 | 86.870 | 0.18607 | 0.00000 | 316523.1 | 174153.7 | 100632.1 | S |
| 69.242 | 0.0000 | 0.0000 | 86.870 | 0.18605 | 0.00000 | 316523.1 | 174159.3 | 100632.1 | S |
| 69.250 | 0.0000 | 0.0000 | 86.870 | 0.18602 | 0.00000 | 316523.1 | 174164.9 | 100632.1 | S |
| 69.258 | 0.0000 | 0.0000 | 86.870 | 0.18599 | 0.00000 | 316523.1 | 174170.5 | 100632.1 | S |
| 69.267 | 0.0000 | 0.0000 | 86.869 | 0.18596 | 0.00000 | 316523.1 | 174176.0 | 100632.1 | S |
| 69.275 | 0.0000 | 0.0000 | 86.869 | 0.18593 | 0.00000 | 316523.1 | 174181.6 | 100632.1 | S |
| 69.283 | 0.0000 | 0.0000 | 86.869 | 0.18590 | 0.00000 | 316523.1 | 174187.2 | 100632.1 | 5 |
| 69.292 | 0.0000 | 0.0000 | 86.868 | 0.18588 | 0.00000 | 316523.1 | 174192.8 | 100632.1 | S |
| 69.300 | 0.0000 | 0.0000 | 86.868 | 0.18585 | 0.00000 | 316523.1 | 174198.4 | 100632.1 | S |
| 69.308 | 0.0000 | 0.0000 | 86.868 | 0.18582 | 0.00000 | 316523.1 | 174203.9 | 100632.1 | S |
| 69.317 | 0.0000 | 0.0000 | 86.868 | 0.18579 | 0.00000 | 316523.1 | 174209.5 | 100632.1 | S |
| 69.325 | 0.0000 | 0.0000 | 86.867 | 0.18576 | 0.00000 | 316523.1 | 174215.1 | 100632.1 | S |
| 69.333 | 0.0000 | 0.0000 | 86.867 | 0.18574 | 0.00000 | 316523.1 | 174220.7 | 100632.1 | S |
| 69.342 | 0.0000 | 0.0000 | 86.867 | 0.18571 | 0.00000 | 316523.1 | 174226.2 | 100632.1 | S |
| 69.350 | 0.0000 | 0.0000 | 86.866 | 0.18568 | 0.00000 | 316523.1 | 174231.8 | 100632.1 | S |
| 69.358 | 0.0000 | 0.0000 | 86.866 | 0.18565 | 0.00000 | 316523.1 | 174237.4 | 100632.1 | S |
| 69.367 | 0.0000 | 0.0000 | 86.866 | 0.18562 | 0.00000 | 316523.1 | 174242.9 | 100632.1 | S |
| 69.375 | 0.0000 | 0.0000 | 86.866 | 0.18560 | 0.00000 | 316523.1 | 174248.5 | 100632.1 | S |
| 69.383 | 0.0000 | 0.0000 | 86.865 | 0.18557 | 0.00000 | 316523.1 | 174254.1 | 100632.1 | S |
| 69.392 | 0.0000 | 0.0000 | 86.865 | 0.18554 | 0.00000 | 316523.1 | 174259.6 | 100632.1 | S |
| 69.400 | 0.0000 | 0.0000 | 86.865 | 0.18551 | 0.00000 | 316523.1 | 174265.2 | 100632.1 | S |
| 69.408 | 0.0000 | 0.0000 | 86.864 | 0.18548 | 0.00000 | 316523.1 | 174270.8 | 100632.1 | S |
| 69.417 | 0.0000 | 0.0000 | 86.864 | 0.18545 | 0.00000 | 316523.1 | 174276.3 | 100632.1 | S |
| 69.425 | 0.0000 | 0.0000 | 86.864 | 0.18543 | 0.00000 | 316523.1 | 174281.9 | 100632.1 | S |
| 69.433 | 0.0000 | 0,0000 | 86.863 | 0.18540 | 0.00000 | 316523.1 | 174287.5 | 100632.1 | S |
| 69.442 | 0.0000 | 0.0000 | 86.863 | 0.18537 | 0.00000 | 316523.1 | 174293.0 | 100632.1 | S |
| 69.450 | 0.0000 | 0.0000 | 86.863 | 0.18534 | 0.00000 | 316523.1 | 174298.6 | 100632.1 | S |
| 69.458 | 0.0000 | 0.0000 | 86.863 | 0.18531 | 0.00000 | 316523.1 | 174304.1 | 100632.1 | S |
| 69.467 | 0.0000 | 0.0000 | 86.862 | 0.18529 | 0.00000 | 316523.1 | 174309.7 | 100632.1 | S |
| 69.475 | 0.0000 | 0.0000 | 86.862 | 0.18526 | 0.00000 | 316523.1 | 174315.3 | 100632.1 | S |
| 69.483 | 0.0000 | 0.0000 | 86.862 | 0.18523 | 0.00000 | 316523.1 | 174320.8 | 100632.1 | S |
| 69.492 | 0.0000 | 0.0000 | 86.861 | 0.18520 | 0.00000 | 316523.1 | 174326.4 | 100632.1 | S |
| 69.500 | 0.0000 | 0.0000 | 86.861 | 0.18517 | 0.00000 | 316523.1 | 174331.9 | 100632.1 | S |
| 69.508 | 0.0000 | 0.0000 | 86.861 | 0.18515 | 0.00000 | 316523.1 | 174337.5 | 100632.1 | S |
| 69.517 | 0.0000 | 0.0000 | 86.861 | 0.18512 | 0.00000 | 316523.1 | 174343.0 | 100632.1 | S |
| 69.525 | 0.0000 | 0.0000 | 86.860 | 0.18509 | 0.00000 | 316523.1 | 174348.6 | 100632.1 | S |
| 69.533 | 0.0000 | 0.0000 | 86.860 | 0.18506 | 0.00000 | 316523.1 | 174354.1 | 100632.1 | S |
| 69.542 | 0.0000 | 0.0000 | 86.860 | 0.18503 | 0.00000 | 316523.1 | 174359.7 | 100632.1 | S |
| 69.550 | 0.0000 | 0.0000 | 86.859 | 0.18501 | 0.00000 | 316523.1 | 174365.3 | 100632.1 | S |
| 69.558 | 0.0000 | 0.0000 | 86.859 | 0.18498 | 0.00000 | 316523.1 | 174370.8 | 100632.1 | S |
| 69.567 | 0.0000 | 0.0000 | 86.859 | 0.18495 | 0.00000 | 316523.1 | 174376.3 | 100632.1 | S |
| 69.575 | 0.0000 | 0.0000 | 86.859 | 0.18492 | 0.00000 | 316523.1 | 174381.9 | 100632.1 | S |
| 69.583 | 0.0000 | 0.0000 | 86.858 | 0.18489 | 0.00000 | 316523.1 | 174387.4 | 100632.1 | S |
| 69.592 | 0.0000 | 0.0000 | 86.858 | 0.18487 | 0.00000 | 316523.1 | 174393.0 | 100632.1 | S |
| 69.600 | 0.0000 | 0.0000 | 86.858 | 0.18484 | 0.00000 | 316523.1 | 174398.5 | 100632.1 | S |
| 69.608 | 0.0000 | 0.0000 | 86.857 | 0.18481 | 0.00000 | 316523.1 | 174404.1 | 100632.1 | S |
| 69.617 | 0.0000 | 0.0000 | 86.857 | 0.18478 | 0.00000 | 316523.1 | 174409.6 | 100632.1 | S |
| 69.625 | 0.0000 | 0.0000 | 86.857 | 0.18475 | 0.00000 | 316523.1 | 174415.2 | 100632.1 | S |
| 69.633 | 0.0000 | 0.0000 | 86.856 | 0.18473 | 0.00000 | 316523.1 | 174420.7 | 100632.1 | S |
| 69.642 | 0.0000 | 0.0000 | 86.856 | 0.18470 | 0.00000 | 316523.1 | 174426.3 | 100632.1 | S |
| 69.650 | 0.0000 | 0.0000 | 86.856 | 0.18467 | 0.00000 | 316523.1 | 174431.8 | 100632.1 | S |
| 69.658 | 0.0000 | 0.0000 | 86.856 | 0.18464 | 0.00000 | 316523.1 | 174437.3 | 100632.1 | S |
| 69.667 | 0.0000 | 0.0000 | 86.855 | 0.18462 | 0.00000 | 316523.1 | 174442.9 | 100632.1 | S |
| 69.675 | 0.0000 | 0.0000 | 86.855 | 0.18459 | 0.00000 | 316523.1 | 174448.4 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
: Scenario 1 : pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / 5}$ ) | Outside <br> Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative infiltration Volume ( $f^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 69.683 | 0.0000 | 0.0000 | 86.855 | 0.18456 | 0.00000 | 316523.1 | 174453.9 | 100632.1 | S |
| 69.692 | 0.0000 | 0.0000 | 86.854 | 0.18453 | 0.00000 | 316523.1 | 174459.5 | 100632.1 | S |
| 69.700 | 0.0000 | 0.0000 | 86.854 | 0.18450 | 0.00000 | 316523.1 | 174465.0 | 100632.1 | S |
| 69.708 | 0.0000 | 0.0000 | 86.854 | 0.18448 | 0.00000 | 316523.1 | 174470.5 | 100632.1 | S |
| 69.717 | 0.0000 | 0.0000 | 86.854 | 0.18445 | 0.00000 | 316523.1 | 174476.1 | 100632.1 | S |
| 69.725 | 0.0000 | 0.0000 | 86.853 | 0.18442 | 0.00000 | 316523.1 | 174481.6 | 100632.1 | S |
| 69.733 | 0.0000 | 0.0000 | 86.853 | 0.18439 | 0.00000 | 316523.1 | 174487.1 | 100632.1 | S |
| 69.742 | 0.0000 | 0.0000 | 86.853 | 0.18437 | 0.00000 | 316523.1 | 174492.7 | 100632.1 | S |
| 69.750 | 0.0000 | 0.0000 | 86.852 | 0.18434 | 0.00000 | 316523.1 | 174498.2 | 100632.1 | S |
| 69.758 | 0.0000 | 0.0000 | 86.852 | 0.18431 | 0.00000 | 316523.1 | 174503.7 | 100632.1 | S |
| 69.767 | 0.0000 | 0.0000 | 86.852 | 0.18428 | 0.00000 | 316523.1 | 174509.3 | 100632.1 | S |
| 69.775 | 0.0000 | 0.0000 | 86.852 | 0.18425 | 0.00000 | 316523.1 | 174514.8 | 100632.1 | S |
| 69.783 | 0.0000 | 0.0000 | 86.851 | 0.18423 | 0.00000 | 316523.1 | 174520.3 | 100632.1 | S |
| 69.792 | 0.0000 | 0.0000 | 86.851 | 0.18420 | 0.00000 | 316523.1 | 174525.8 | 100632.1 | S |
| 69.800 | 0.0000 | 0.0000 | 86.851 | 0.18417 | 0.00000 | 316523.1 | 174531.4 | 100632.1 | S |
| 69.808 | 0.0000 | 0.0000 | 86.850 | 0.18414 | 0.00000 | 316523.1 | 174536.9 | 100632.1 | S |
| 69.817 | 0.0000 | 0.0000 | 86.850 | 0.18412 | 0.00000 | 316523.1 | 174542.4 | 100632.1 | S |
| 69.825 | 0.0000 | 0.0000 | 86.850 | 0.18409 | 0.00000 | 316523.1 | 174548.0 | 100632.1 | S |
| 69.833 | 0.0000 | 0.0000 | 86.849 | 0.18406 | 0.00000 | 316523.1 | 174553.5 | 100632.1 | S |
| 69.842 | 0.0000 | 0.0000 | 86.849 | 0.18403 | 0.00000 | 316523.1 | 174559.0 | 100632.1 | S |
| 69.850 | 0.0000 | 0.0000 | 86.849 | 0.18400 | 0.00000 | 316523.1 | 174564.5 | 100632.1 | S |
| 69.858 | 0.0000 | 0.0000 | 86.849 | 0.18398 | 0.00000 | 316523.1 | 174570.0 | 100632.1 | S |
| 69.867 | 0.0000 | 0.0000 | 86.848 | 0.18395 | 0.00000 | 316523.1 | 174575.5 | 100632.1 | S |
| 69.875 | 0.0000 | 0.0000 | 86.848 | 0.18392 | 0.00000 | 316523.1 | 174581.1 | 100632.1 | S |
| 69.883 | 0.0000 | 0.0000 | 86.848 | 0.18389 | 0.00000 | 316523.1 | 174586.6 | 100632.1 | S |
| 69.892 | 0.0000 | 0.0000 | 86.847 | 0.18387 | 0.00000 | 316523.1 | 174592.1 | 100632.1 | S |
| 69.900 | 0.0000 | 0.0000 | 86.847 | 0.18384 | 0.00000 | 316523.1 | 174597.6 | 100632.1 | S |
| 69.908 | 0.0000 | 0.0000 | 86.847 | 0.18381 | 0.00000 | 316523.1 | 174603.1 | 100632.1 | S |
| 69.917 | 0.0000 | 0.0000 | 86.847 | 0.18378 | 0.00000 | 316523.1 | 174608.6 | 100632.4 | S |
| 69.925 | 0.0000 | 0.0000 | 86.846 | 0.18376 | 0.00000 | 316523.1 | 174614.2 | 100632.4 | S |
| 69.933 | 0.0000 | 0.0000 | 86.846 | 0.18373 | 0.00000 | 316523.1 | 174619.7 | 100632.1 | S |
| 69.942 | 0.0000 | 0.0000 | 86.846 | 0.18370 | 0.00000 | 316523.1 | 174625.2 | 100632.1 | S |
| 69.950 | 0.0000 | 0.0000 | 86.845 | 0.18367 | 0.00000 | 316523.1 | 174630.7 | 100632.1 | S |
| 69.958 | 0.0000 | 0.0000 | 86.845 | 0.18364 | 0.00000 | 316523.1 | 174636.2 | 100632.1 | S |
| 69.967 | 0.0000 | 0.0000 | 86.845 | 0.18362 | 0.00000 | 316523.1 | 174641.7 | 100632.1 | S |
| 69.975 | 0.0000 | 0.0000 | 86.845 | 0.18359 | 0.00000 | 316523.1 | 174647.2 | 100632.1 | S |
| 69.983 | 0.0000 | 0.0000 | 86.844 | 0.18356 | 0.00000 | 316523.1 | 174652.7 | 100632.1 | S |
| 69.992 | 0.0000 | 0.0000 | 86.844 | 0.18353 | 0.00000 | 316523.1 | 174658.2 | 100632.1 | S |
| 70.000 | 0.0000 | 0.0000 | 86.844 | 0.18351 | 0.00000 | 316523.1 | 174663.7 | 100632.1 | S |
| 70.008 | 0.0000 | 0.0000 | 86.843 | 0.18348 | 0.00000 | 316523.1 | 174669.2 | 100632.1 | S |
| 70.017 | 0.0000 | 0.0000 | 86.843 | 0.18345 | 0.00000 | 316523.1 | 174674.8 | 100632.1 | S |
| 70.025 | 0.0000 | 0.0000 | 86.843 | 0.18342 | 0.00000 | 316523.1 | 174680.3 | 100632.1 | S |
| 70.033 | 0.0000 | 0.0000 | 86.843 | 0.18340 | 0.00000 | 316523.1 | 174685.8 | 100632.1 | S |
| 70.042 | 0.0000 | 0.0000 | 86.842 | 0.18337 | 0.00000 | 316523.1 | 174691.3 | 100632.1 | S |
| 70.050 | 0.0000 | 0.0000 | 86.842 | 0.18334 | 0.00000 | 316523.1 | 174696.8 | 100632.1 | S |
| 70.058 | 0.0000 | 0.0000 | 86.842 | 0.18331 | 0.00000 | 316523.1 | 174702.3 | 100632.1 | S |
| 70.067 | 0.0000 | 0.0000 | 86.841 | 0.18329 | 0.00000 | 316523.1 | 174707.8 | 100632.1 | S |
| 70.075 | 0.0000 | 0.0000 | 86.841 | 0.18326 | 0.00000 | 316523.1 | 174713.3 | 100632.1 | S |
| 70.083 | 0.0000 | 0.0000 | 86.841 | 0.18323 | 0.00000 | 316523.1 | 174718.8 | 100632.1 | S |
| 70.092 | 0.0000 | 0.0000 | 86.840 | 0.18320 | 0.00000 | 316523.1 | 174724.3 | 100632.1 | S |
| 70.100 | 0.0000 | 0.0000 | 86.840 | 0.18318 | 0.00000 | 316523.1 | 174729.7 | 100632.1 | S |
| 70.108 | 0.0000 | 0.0000 | 86.840 | 0.18315 | 0.00000 | 316523.1 | 174735.2 | 100632.1 | S |
| 70.117 | 0.0000 | 0.0000 | 86.840 | 0.18312 | 0.00000 | 316523.1 | 174740.7 | 100632.1 | S |
| 70.125 | 0.0000 | 0.0000 | 86.839 | 0.18309 | 0.00000 | 316523.1 | 174746.2 | 100632.1 | S |
| 70.133 | 0.0000 | 0.0000 | 86.839 | 0.18307 | 0.00000 | 316523.1 | 174751.7 | 100632.1 | S |
| 70.142 | 0.0000 | 0.0000 | 86.839 | 0.18304 | 0.00000 | 316523.1 | 174757.2 | 100632.1 | S |
| 70.150 | 0.0000 | 0.0000 | 86.838 | 0.18301 | 0.00000 | 316523.1 | 174762.7 | 100632.1 | S |
| 70.158 | 0.0000 | 0.0000 | 86.838 | 0.18298 | 0.00000 | 316523.1 | 174768.2 | 100632.1 | S |
| 70.167 | 0.0000 | 0.0000 | 86.838 | 0.18296 | 0.00000 | 316523.1 | 174773.7 | 100632.1 | S |
| 70.175 | 0.0000 | 0.0000 | 86.838 | 0.18293 | 0.00000 | 316523.1 | 174779.2 | 100632.1 | S |
| 70.183 | 0.0000 | 0.0000 | 86.837 | 0.18290 | 0.00000 | 316523.1 | 174784.7 | 100632.1 | S |
| 70.192 | 0.0000 | 0.0000 | 86.837 | 0.18287 | 0.00000 | 316523.1 | 174790.1 | 100632.1 | S |
| 70.200 | 0.0000 | 0.0000 | 86.837 | 0.18285 | 0.00000 | 316523.1 | 174795.6 | 100632.1 | S |
| 70.208 | 0.0000 | 0.0000 | 86.836 | 0.18282 | 0.00000 | 316523.1 | 174801.1 | 100632.1 | S |
| 70.217 | 0.0000 | 0.0000 | 86.836 | 0.18279 | 0.00000 | 316523.1 | 174806.6 | 100632.1 | S |
| 70.225 | 0.0000 | 0.0000 | 86.836 | 0.18276 | 0.00000 | 316523.1 | 174812.1 | 100632.1 | S |
| 70.233 | 0.0000 | 0.0000 | 86.836 | 0.18274 | 0.00000 | 316523.1 | 174817.6 | 100632.1 | S |
| 70.242 | 0.0000 | 0.0000 | 86.835 | 0.18271 | 0.00000 | 316523.1 | 174823.0 | 100632.1 | S |
| 70.250 | 0.0000 | 0.0000 | 86.835 | 0.18268 | 0.00000 | 316523.1 | 174828.5 | 100632.1 | S |
| 70.258 | 0.0000 | 0.0000 | 86.835 | 0.18265 | 0.00000 | 316523.1 | 174834.0 | 100632.1 | S |
| 70.267 | 0.0000 | 0.0000 | 86.834 | 0.18263 | 0.00000 | 316523.1 | 174839.5 | 100632.1 | S |
| 70.275 | 0.0000 | 0.0000 | 86.834 | 0.18260 | 0.00000 | 316523.1 | 174845.0 | 100632.1 | S |
| 70.283 | 0.0000 | 0.0000 | 86.834 | 0.18257 | 0.00000 | 316523.1 | 174850.4 | 100632.1 | S |
| 70.292 | 0.0000 | 0.0000 | 86.834 | 0.18255 | 0.00000 | 316523.1 | 174855.9 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Infiow Rate ( $\mathrm{ft} / \mathrm{s}$ ) | Outside Recharge (fl/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infilitration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 70.300 | 0.0000 | 0.0000 | 86.833 | 0.18252 | 0.00000 | 316523.1 | 174861.4 | 100632.1 | S |
| 70.308 | 0.0000 | 0.0000 | 86.833 | 0.18249 | 0.00000 | 316523.1 | 174866.9 | 100632.1 | S |
| 70.317 | 0.0000 | 0.0000 | 86.833 | 0.18246 | 0.00000 | 316523.1 | 174872.3 | 100632.1 | S |
| 70.325 | 0.0000 | 0.0000 | 86.832 | 0.18244 | 0.00000 | 316523.1 | 174877.8 | 100632.1 | S |
| 70.333 | 0.0000 | 0.0000 | 86.832 | 0.18241 | 0.00000 | 316523.1 | 174883.3 | 100632.1 | S |
| 70.342 | 0.0000 | 0.0000 | 86.832 | 0.18238 | 0.00000 | 316523.1 | 174888.8 | 100632.1 | S |
| 70.350 | 0.0000 | 0.0000 | 86.832 | 0.18235 | 0.00000 | 316523.1 | 174894.2 | 100632.1 | S |
| 70.358 | 0.0000 | 0.0000 | 86.831 | 0.18233 | 0.00000 | 316523.1 | 174899.7 | 100632.1 | S |
| 70.367 | 0.0000 | 0.0000 | 86.831 | 0.18230 | 0.00000 | 316523.1 | 174905.2 | 100632.1 | S |
| 70.375 | 0.0000 | 0,0000 | 86.831 | 0.18227 | 0.00000 | 316523.1 | 174910.6 | 100632.1 | S |
| 70.383 | 0.0000 | 0.0000 | 86.830 | 0.18224 | 0.00000 | 316523.1 | 174916.1 | 100632.1 | S |
| 70.392 | 0.0000 | 0,0000 | 86.830 | 0.18222 | 0.00000 | 316523.1 | 174921.6 | 100632.1 | S |
| 70.400 | 0.0000 | 0.0000 | 86.830 | 0.18219 | 0.00000 | 316523.1 | 174927.0 | 100632.1 | S |
| 70.408 | 0.0000 | 0.0000 | 86.830 | 0.18216 | 0.00000 | 316523.1 | 174932.5 | 100632.1 | S |
| 70.417 | 0.0000 | 0.0000 | 86.829 | 0.18214 | 0.00000 | 316523.1 | 174938.0 | 100632.1 | S |
| 70.425 | 0.0000 | 0.0000 | 86.829 | 0.18211 | 0.00000 | 316523.1 | 174943.4 | 100632.1 | S |
| 70.433 | 0.0000 | 0.0000 | 86.829 | 0.18208 | 0.00000 | 316523.1 | 174948.9 | 100632.1 | S |
| 70.442 | 0.0000 | 0.0000 | 86.828 | 0.18205 | 0.00000 | 316523.1 | 174954.4 | 100632.1 | S |
| 70.450 | 0.0000 | 0.0000 | 86.828 | 0.18203 | 0.00000 | 316523.1 | 174959.8 | 100632.1 | S |
| 70.458 | 0.0000 | 0.0000 | 86.828 | 0.18200 | 0.00000 | 316523.1 | 174965.3 | 100632.1 | S |
| 70.467 | 0.0000 | 0.0000 | 86.827 | 0.18197 | 0.00000 | 316523.1 | 174970.7 | 100632.1 | S |
| 70.475 | 0.0000 | 0.0000 | 86.827 | 0.18195 | 0.00000 | 316523.1 | 174976.2 | 100632.1 | S |
| 70.483 | 0.0000 | 0.0000 | 86.827 | 0.18192 | 0.00000 | 316523.1 | 174981.7 | 100632.1 | S |
| 70.492 | 0.0000 | 0.0000 | 86.827 | 0.18189 | 0.00000 | 316523.1 | 174987.1 | 100632.1 | S |
| 70.500 | 0.0000 | 0.0000 | 86.826 | 0.18186 | 0.00000 | 316523.1 | 174992.6 | 100632.1 | S |
| 70.508 | 0.0000 | 0.0000 | 86.826 | 0.18184 | 0.00000 | 316523.1 | 174998.0 | 100632.1 | S |
| 70.517 | 0.0000 | 0.0000 | 86.826 | 0.18181 | 0.00000 | 316523.1 | 175003.5 | 100632.1 | S |
| 70.525 | 0.0000 | 0.0000 | 86.825 | 0.18178 | 0.00000 | 316523.1 | 175008.9 | 100632.1 | S |
| 70.533 | 0.0000 | 0.0000 | 86.825 | 0.18176 | 0.00000 | 316523.1 | 175014.4 | 100632.1 | S |
| 70.542 | 0.0000 | 0.0000 | 86.825 | 0.18173 | 0.00000 | 316523.1 | 175019.8 | 100632.1 | S |
| 70.550 | 0.0000 | 0.0000 | 86.825 | 0.18170 | 0.00000 | 316523.1 | 175025.3 | 100632.1 | S |
| 70.558 | 0.0000 | 0.0000 | 86.824 | 0.18167 | 0.00000 | 316523.1 | 175030.7 | 100632.1 | S |
| 70.567 | 0.0000 | 0.0000 | 86.824 | 0.18165 | 0.00000 | 316523.1 | 175036.2 | 100632.1 | S |
| 70.575 | 0.0000 | 0.0000 | 86.824 | 0.18162 | 0.00000 | 316523.1 | 175041.6 | 100632.1 | S |
| 70.583 | 0.0000 | 0.0000 | 86.823 | 0.18159 | 0.00000 | 316523.1 | 175047.1 | 100632.1 | S |
| 70.592 | 0.0000 | 0.0000 | 86.823 | 0.18157 | 0.00000 | 316523.1 | 175052.5 | 100632.1 | S |
| 70.600 | 0.0000 | 0.0000 | 86.823 | 0.18154 | 0.00000 | 316523.1 | 175058.0 | 100632.1 | S |
| 70.608 | 0.0000 | 0.0000 | 86.823 | 0.18151 | 0.00000 | 316523.1 | 175063.4 | 100632.1 | S |
| 70.617 | 0.0000 | 0.0000 | 86.822 | 0.18148 | 0.00000 | 316523.1 | 175068.9 | 100632.1 | S |
| 70.625 | 0.0000 | 0.0000 | 86.822 | 0.18146 | 0.00000 | 316523.1 | 175074.3 | 100632.1 | S |
| 70.633 | 0.0000 | 0.0000 | 86.822 | 0.18143 | 0.00000 | 316523.1 | 175079.8 | 100632.1 | S |
| 70.642 | 0.0000 | 0.0000 | 86.821 | 0.18140 | 0.00000 | 316523.1 | 175085.2 | 100632.1 | S |
| 70.650 | 0.0000 | 0.0000 | 86.821 | 0.18138 | 0.00000 | 316523.1 | 175090.6 | 100632.1 | S |
| 70.658 | 0.0000 | 0.0000 | 86.821 | 0.18135 | 0.00000 | 316523.1 | 175096.1 | 100632.1 | S |
| 70.667 | 0.0000 | 0.0000 | 86.821 | 0.18132 | 0.00000 | 316523.1 | 175101.5 | 100632.1 | S |
| 70.675 | 0.0000 | 0.0000 | 86.820 | 0.18129 | 0.00000 | 316523.1 | 175107.0 | 100632.1 | S |
| 70.683 | 0.0000 | 0.0000 | 86.820 | 0.18127 | 0.00000 | 316523.1 | 175112.4 | 100632.1 | S |
| 70.692 | 0.0000 | 0.0000 | 86.820 | 0.18124 | 0.00000 | 316523.1 | 175117.8 | 100632.1 | S |
| 70.700 | 0.0000 | 0.0000 | 86.819 | 0.18121 | 0.00000 | 316523.1 | 175123.3 | 100632.1 | S |
| 70.708 | 0.0000 | 0.0000 | 86.819 | 0.18119 | 0.00000 | 316523.1 | 175128.7 | 100632.1 | S |
| 70.717 | 0.0000 | 0.0000 | 86.819 | 0.18116 | 0.00000 | 316523.1 | 175134.1 | 100632.1 | S |
| 70.725 | 0.0000 | 0.0000 | 86.819 | 0.18113 | 0.00000 | 316523.1 | 175139.6 | 100632.1 | S |
| 70.733 | 0.0000 | 0.0000 | 86.818 | 0.18111 | 0.00000 | 316523.1 | 175145.0 | 100632.1 | S |
| 70.742 | 0.0000 | 0.0000 | 86.818 | 0.18108 | 0.00000 | 316523.1 | 175150.5 | 100632.1 | S |
| 70.750 | 0.0000 | 0.0000 | 86.818 | 0.18105 | 0.00000 | 316523.1 | 175155.9 | 100632.1 | S |
| 70.758 | 0.0000 | 0.0000 | 86.817 | 0.18102 | 0.00000 | 316523.1 | 175161.3 | 100632.1 | S |
| 70.767 | 0.0000 | 0.0000 | 86.817 | 0.18100 | 0.00000 | 316523.1 | 175166.7 | 100632.1 | S |
| 70.775 | 0.0000 | 0.0000 | 86.817 | 0.18097 | 0.00000 | 316523.1 | 175172.2 | 100632.1 | S |
| 70.783 | 0.0000 | 0.0000 | 86.817 | 0.18094 | 0.00000 | 316523.1 | 175177.6 | 100632.1 | S |
| 70.792 | 0.0000 | 0.0000 | 86.816 | 0.18092 | 0.00000 | 316523.1 | 175183.0 | 100632.1 | S |
| 70.800 | 0.0000 | 0.0000 | 86.816 | 0.18089 | 0.00000 | 316523.1 | 175188.5 | 100632.1 | S |
| 70.808 | 0.0000 | 0.0000 | 86.816 | 0.18086 | 0.00000 | 316523.1 | 175193.9 | 100632.1 | S |
| 70.817 | 0.0000 | 0.0000 | 86.815 | 0.18084 | 0.00000 | 316523.1 | 175199.3 | 100632.1 | S |
| 70.825 | 0.0000 | 0.0000 | 86.815 | 0.18081 | 0.00000 | 316523.1 | 175204.7 | 100632.1 | S |
| 70.833 | 0.0000 | 0.0000 | 86.815 | 0.18078 | 0.00000 | 316523.1 | 175210.2 | 100632.1 | S |
| 70.842 | 0.0000 | 0.0000 | 86.815 | 0.18076 | 0.00000 | 316523.1 | 175215.6 | 100632.1 | S |
| 70.850 | 0.0000 | 0.0000 | 86.814 | 0.18073 | 0.00000 | 316523.1 | 175221.0 | 100632.1 | S |
| 70.858 | 0.0000 | 0.0000 | 86.814 | 0.18070 | 0.00000 | 316523.1 | 175226.4 | 100632.1 | S |
| 70.867 | 0.0000 | 0.0000 | 86.814 | 0.18067 | 0.00000 | 316523.1 | 175231.8 | 100632.1 | S |
| 70.875 | 0.0000 | 0.0000 | 86.813 | 0.18065 | 0.00000 | 316523.1 | 175237.3 | 100632.1 | S |
| 70.883 | 0.0000 | 0.0000 | 86.813 | 0.18062 | 0.00000 | 316523.1 | 175242.7 | 100632.1 | S |
| 70.892 | 0.0000 | 0.0000 | 86.813 | 0.18059 | 0.00000 | 316523.1 | 175248.1 | 100632.1 | S |
| 70.900 | 0.0000 | 0.0000 | 86.813 | 0.18057 | 0.00000 | 316523.1 | 175253.5 | 100632.1 | S |
| 70.908 | 0.0000 | 0.0000 | 86.812 | 0.18054 | 0.00000 | 316523.1 | \$75258.9 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate (fis/s) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | $\begin{gathered} \text { Cumulative } \\ \text { Inflow } \\ \text { Volume }\left(\mathrm{ft}^{3}\right) \end{gathered}$ | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 70.917 | 0.0000 | 0.0000 | 86.812 | 0.18051 | 0.00000 | 316523.1 | 175264.3 | 100632.1 | S |
| 70.925 | 0.0000 | 0.0000 | 86.812 | 0.18049 | 0.00000 | 316523.1 | 175269.8 | 100632.1 | S |
| 70.933 | 0.0000 | 0.0000 | 86.811 | 0.18046 | 0.00000 | 316523.1 | 175275.2 | 100632.1 | S |
| 70.942 | 0.0000 | 0.0000 | 86.811 | 0.18043 | 0.00000 | 316523.1 | 175280.6 | 100632.1 | S |
| 70.950 | 0.0000 | 0.0000 | 86.811 | 0.18041 | 0.00000 | 316523.1 | 175286.0 | 100632.1 | S |
| 70.958 | 0.0000 | 0.0000 | 86.811 | 0.18038 | 0.00000 | 316523.1 | 175291.4 | 100632.1 | S |
| 70.967 | 0.0000 | 0.0000 | 86.810 | 0.18035 | 0.00000 | 316523.1 | 175296.8 | 100632.1 | S |
| 70.975 | 0.0000 | 0.0000 | 86.810 | 0.18033 | 0.00000 | 316523.1 | 175302.2 | 100632.1 | S |
| 70.983 | 0.0000 | 0.0000 | 86.810 | 0.18030 | 0.00000 | 316523.1 | 175307.6 | 100632.1 | S |
| 70.992 | 0.0000 | 0.0000 | 86.809 | 0.18027 | 0.00000 | 316523.1 | 175313.0 | 100632.1 | S |
| 71.000 | 0.0000 | 0.0000 | 86.809 | 0.18025 | 0.00000 | 316523.1 | 175318.5 | 100632.1 | S |
| 71.008 | 0.0000 | 0.0000 | 86.809 | 0.18022 | 0.00000 | 316523.1 | 175323.9 | 100632.1 | S |
| 71.017 | 0.0000 | 0.0000 | 86.809 | 0.18019 | 0.00000 | 316523.1 | 175329.3 | 100632.1 | S |
| 71.025 | 0.0000 | 0.0000 | 86.808 | 0.18016 | 0.00000 | 316523.1 | 175334.7 | 100632.1 | S |
| 71.033 | 0.0000 | 0.0000 | 86.808 | 0.18014 | 0.00000 | 316523.1 | 175340.1 | 100632.1 | S |
| 71.042 | 0.0000 | 0.0000 | 86.808 | 0.18011 | 0.00000 | 316523.1 | 175345.5 | 100632.1 | S |
| 71.050 | 0.0000 | 0.0000 | 86.807 | 0.18008 | 0.00000 | 316523.1 | 175350.9 | 100632.1 | S |
| 71.058 | 0.0000 | 0.0000 | 86.807 | 0.18006 | 0.00000 | 316523.1 | 175356.3 | 100632.1 | S |
| 71.067 | 0.0000 | 0.0000 | 86.807 | 0.18003 | 0.00000 | 316523.1 | 175361.7 | 100632.1 | S |
| 71.075 | 0.0000 | 0.0000 | 86.807 | 0.18000 | 0.00000 | 316523.1 | 175367.1 | 100632.1 | S |
| 71.083 | 0.0000 | 0.0000 | 86.806 | 0.17998 | 0.00000 | 316523.1 | 175372.5 | 100632.1 | S |
| 71.092 | 0.0000 | 0.0000 | 86.806 | 0.17995 | 0.00000 | 316523.1 | 175377.9 | 100632.1 | S |
| 71.100 | 0.0000 | 0.0000 | 86.806 | 0.17992 | 0.00000 | 316523.1 | 175383.3 | 100632.1 | S |
| 71.108 | 0.0000 | 0.0000 | 86.805 | 0.17990 | 0.00000 | 316523.1 | 175388.7 | 100632.1 | S |
| 71.117 | 0.0000 | 0.0000 | 86.805 | 0.17987 | 0.00000 | 316523.1 | 175394.1 | 100632.1 | S |
| 71.125 | 0.0000 | 0.0000 | 86.805 | 0.17984 | 0.00000 | 316523.1 | 175399.5 | 100632.1 | S |
| 71.133 | 0.0000 | 0.0000 | 86.805 | 0.17982 | 0.00000 | 316523.1 | 175404.9 | 100632.1 | S |
| 71.142 | 0.0000 | 0.0000 | 86.804 | 0.17979 | 0.00000 | 316523.1 | 175410.3 | 100632.1 | S |
| 71.150 | 0.0000 | 0.0000 | 86.804 | 0.17976 | 0.00000 | 316523.1 | 175415.7 | 100632.1 | S |
| 71.158 | 0.0000 | 0.0000 | 86.804 | 0.17974 | 0.00000 | 316523.1 | 175421.1 | 100632.1 | S |
| 71.167 | 0.0000 | 0.0000 | 86.803 | 0.17971 | 0.00000 | 316523.1 | 175426.5 | 100632.1 | S |
| 71.175 | 0.0000 | 0.0000 | 86.803 | 0.17968 | 0.00000 | 316523.1 | 175431.8 | 100632.1 | S |
| 71.183 | 0.0000 | 0.0000 | 86.803 | 0.17966 | 0.00000 | 316523.1 | 175437.2 | 100632.1 | S |
| 71.192 | 0.0000 | 0.0000 | 86.803 | 0.17963 | 0.00000 | 316523.1 | 175442.6 | 100632.1 | S |
| 71.200 | 0.0000 | 0.0000 | 86.802 | 0.17960 | 0.00000 | 316523.1 | 175448.0 | 100632.1 | S |
| 71.208 | 0.0000 | 0.0000 | 86.802 | 0.17958 | 0.00000 | 316523.1 | 175453.4 | 100632.1 | S |
| 71.217 | 0.0000 | 0.0000 | 86.802 | 0.17955 | 0.00000 | 316523.1 | 175458.8 | 100632.1 | S |
| 71.225 | 0.0000 | 0.0000 | 86.801 | 0.17952 | 0.00000 | 316523.1 | 175464.2 | 100632.1 | S |
| 71.233 | 0.0000 | 0.0000 | 86.801 | 0.17950 | 0.00000 | 316523.1 | 175469.5 | 100632.1 | S |
| 71.242 | 0.0000 | 0.0000 | 86.801 | 0.17947 | 0.00000 | 316523.1 | 175474.9 | 100632.1 | S |
| 71.250 | 0.0000 | 0.0000 | 86.801 | 0.17944 | 0.00000 | 316523.1 | 175480.3 | 100632.1 | S |
| 71.258 | 0.0000 | 0.0000 | 86.800 | 0.17942 | 0.00000 | 316523.1 | 175485.7 | 100632.1 | S |
| 71.267 | 0.0000 | 0.0000 | 86.800 | 0.17939 | 0.00000 | 316523.1 | 175491.1 | 100632.1 | S |
| 71.275 | 0.0000 | 0.0000 | 86.800 | 0.17937 | 0.00000 | 316523.1 | 175496.5 | 100632.1 | S |
| 71.283 | 0.0000 | 0.0000 | 86.799 | 0.17934 | 0.00000 | 316523.1 | 175501.8 | 100632.1 | S |
| 71.292 | 0.0000 | 0.0000 | 86.799 | 0.17931 | 0.00000 | 316523.1 | 175507.2 | 100632.1 | S |
| 71.300 | 0.0000 | 0.0000 | 86.799 | 0.17929 | 0.00000 | 316523.1 | 175512.6 | 100632.1 | S |
| 71.308 | 0.0000 | 0.0000 | 86.799 | 0.17926 | 0.00000 | 316523.1 | 175518.0 | 100632.1 | S |
| 71.317 | 0.0000 | 0.0000 | 86.798 | 0.17923 | 0.00000 | 316523.1 | 175523.4 | 100632.1 | S |
| 71.325 | 0.0000 | 0.0000 | 86.798 | 0.17921 | 0.00000 | 316523.1 | 175528.7 | 100632.1 | S |
| 71.333 | 0.0000 | 0.0000 | 86.798 | 0.17918 | 0.00000 | 316523.1 | 175534.1 | 100632.1 | S |
| 71.342 | 0.0000 | 0.0000 | 86.797 | 0.17915 | 0.00000 | 316523.1 | 175539.5 | 100632.1 | S |
| 71.350 | 0.0000 | 0.0000 | 86.797 | 0.17913 | 0.00000 | 316523.1 | 175544.9 | 100632.1 | S |
| 71.358 | 0.0000 | 0.0000 | 86.797 | 0.17910 | 0.00000 | 316523.1 | 175550.2 | 100632.1 | S |
| 71.367 | 0.0000 | 0.0000 | 86.797 | 0.17907 | 0.00000 | 316523.1 | 175555.6 | 100632.1 | S |
| 71.375 | 0.0000 | 0.0000 | 86.796 | 0.17905 | 0.00000 | 316523.1 | 175561.0 | 100632.1 | S |
| 71.383 | 0.0000 | 0.0000 | 86.796 | 0.17902 | 0.00000 | 316523.1 | 175566.4 | 100632.1 | S |
| 71.392 | 0.0000 | 0.0000 | 86.796 | 0.17899 | 0.00000 | 316523.1 | 175571.7 | 100632.1 | S |
| 71.400 | 0.0000 | 0.0000 | 86.795 | 0.17897 | 0.00000 | 316523.1 | 175577.1 | 100632.1 | S |
| 71.408 | 0.0000 | 0.0000 | 86.795 | 0.17894 | 0.00000 | 316523.1 | 175582.5 | 100632.1 | S |
| 71.417 | 0.0000 | 0.0000 | 86.795 | 0.17891 | 0.00000 | 316523.1 | 175587.8 | 100632.1 | S |
| 71.425 | 0.0000 | 0.0000 | 86.795 | 0.17889 | 0.00000 | 316523.1 | 175593.2 | 100632.1 | S |
| 71.433 | 0.0000 | 0.0000 | 86.794 | 0.17886 | 0.00000 | 316523.1 | 175598.6 | 100632.1 | S |
| 71.442 | 0.0000 | 0.0000 | 86.794 | 0.17884 | 0.00000 | 316523.1 | 175603.9 | 100632.1 | S |
| 71.450 | 0.0000 | 0.0000 | 86.794 | 0.17881 | 0.00000 | 316523.1 | 175609.3 | 100632.1 | S |
| 71.458 | 0.0000 | 0.0000 | 86.793 | 0.17878 | 0.00000 | 316523.1 | 175614.7 | 100632.1 | S |
| 71.467 | 0.0000 | 0.0000 | 86.793 | 0.17876 | 0.00000 | 316523.1 | 175620.0 | 100632.1 | S |
| 71.475 | 0.0000 | 0.0000 | 86.793 | 0.17873 | 0.00000 | 316523.1 | 175625.4 | 100632.1 | S |
| 71.483 | 0.0000 | 0.0000 | 86.793 | 0.17870 | 0.00000 | 316523.1 | 175630.8 | 100632.1 | S |
| 71.492 | 0.0000 | 0.0000 | 86.792 | 0.17868 | 0.00000 | 316523.1 | 175636.1 | 100632.4 | S |
| 71.500 | 0.0000 | 0.0000 | 86.792 | 0.17865 | 0.00000 | 316523.1 | 175641.5 | 100632.1 | S |
| 71.508 | 0.0000 | 0.0000 | 86.792 | 0.17862 | 0.00000 | 316523.1 | 175646.8 | 100632.1 | S |
| 71.517 | 0.0000 | 0.0000 | 86.791 | 0.17860 | 0.00000 | 316523.1 | 175652.2 | 100632.1 | S |
| 71.525 | 0.0000 | 0.0000 | 86.791 | 0.17857 | 0.00000 | 316523.1 | 175657.5 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overfiow Discharge ( $\mathrm{H}^{3 / \mathrm{s}} \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ff}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 71.533 | 0.0000 | 0.0000 | 86.791 | 0.17854 | 0.00000 | 316523.1 | 175662.9 | 100632.1 | S |
| 71.542 | 0.0000 | 0.0000 | 86.791 | 0.17852 | 0.00000 | 316523.1 | 175668.3 | 100632.1 | S |
| 71.550 | 0.0000 | 0.0000 | 86.790 | 0.17849 | 0.00000 | 316523.1 | 175673.6 | 100632.1 | S |
| 71.558 | 0.0000 | 0.0000 | 86.790 | 0.17847 | 0.00000 | 316523.1 | 175679.0 | 100632.1 | S |
| 71.567 | 0.0000 | 0.0000 | 86.790 | 0.17844 | 0.00000 | 316523.1 | 175684.3 | 100632.1 | S |
| 71.575 | 0.0000 | 0.0000 | 86.789 | 0.17841 | 0.00000 | 316523.1 | 175689.7 | 100632.1 | S |
| 71.583 | 0.0000 | 0.0000 | 86.789 | 0.17839 | 0.00000 | 316523.1 | 175695.0 | 100632.1 | S |
| 71.592 | 0.0000 | 0.0000 | 86.789 | 0.17836 | 0.00000 | 316523.1 | 175700.4 | 100632.1 | S |
| 71.600 | 0.0000 | 0.0000 | 86.789 | 0.17833 | 0.00000 | 316523.1 | 175705.7 | 100632.1 | S |
| 71.608 | 0.0000 | 0.0000 | 86.788 | 0.17831 | 0.00000 | 316523.1 | 175711.1 | 100632.1 | S |
| 71.617 | 0.0000 | 0.0000 | 86.788 | 0.17828 | 0.00000 | 316523.1 | 175716.4 | 100632.1 | S |
| 71.625 | 0.0000 | 0.0000 | 86.788 | 0.17826 | 0.00000 | 316523.1 | 175721.8 | 100632.1 | S |
| 71.633 | 0.0000 | 0.0000 | 86.787 | 0.17823 | 0.00000 | 316523.1 | 175727.1 | 100632.1 | S |
| 71.642 | 0.0000 | 0.0000 | 86.787 | 0.17820 | 0.00000 | 316523.1 | 175732.5 | 100632.1 | S |
| 71.650 | 0.0000 | 0.0000 | 86.787 | 0.17818 | 0.00000 | 316523.1 | 175737.8 | 100632.1 | S |
| 71.658 | 0.0000 | 0.0000 | 86.787 | 0.17815 | 0.00000 | 316523.1 | 175743.2 | 100632.1 | S |
| 71.667 | 0.0000 | 0.0000 | 86.786 | 0.17812 | 0.00000 | 316523.1 | 175748.5 | 100632.1 | S |
| 71.675 | 0.0000 | 0.0000 | 86.786 | 0.17810 | 0.00000 | 316523.1 | 175753.8 | 100632.1 | S |
| 71.683 | 0.0000 | 0.0000 | 86.786 | 0.17807 | 0.00000 | 316523.1 | 175759.2 | 100632.1 | S |
| 71.692 | 0.0000 | 0.0000 | 86.785 | 0.17805 | 0.00000 | 316523.1 | 175764.5 | 100632.1 | S |
| 71.700 | 0.0000 | 0.0000 | 86.785 | 0.17802 | 0.00000 | 316523.1 | 175769.9 | 100632.1 | S |
| 71.708 | 0.0000 | 0.0000 | 86.785 | 0.17799 | 0.00000 | 316523.1 | 175775.2 | 100632.1 | S |
| 71.717 | 0.0000 | 0.0000 | 86.785 | 0.17797 | 0.00000 | 316523.1 | 175780.5 | 100632.1 | S |
| 71.725 | 0.0000 | 0.0000 | 86.784 | 0.17794 | 0.00000 | 316523.1 | 175785.9 | 100632.1 | S |
| 71.733 | 0.0000 | 0.0000 | 86.784 | 0.17791 | 0.00000 | 316523.7 | 175791.2 | 100632.1 | S |
| 71.742 | 0.0000 | 0.0000 | 86.784 | 0.17789 | 0.00000 | 316523.1 | 175796.6 | 100632.1 | S |
| 71.750 | 0.0000 | 0.0000 | 86.783 | 0.17786 | 0.00000 | 316523.1 | 175801.9 | 100632.1 | S |
| 71.758 | 0.0000 | 0.0000 | 86.783 | 0.17784 | 0.00000 | 316523.1 | 175807.2 | 100632.1 | S |
| 71.767 | 0.0000 | 0.0000 | 86.783 | 0.17781 | 0.00000 | 316523.1 | 175812.6 | 100632.1 | S |
| 71.775 | 0.0000 | 0.0000 | 86.783 | 0.17778 | 0.00000 | 316523.1 | 175817.9 | 100632.1 | S |
| 71.783 | 0.0000 | 0.0000 | 86.782 | 0.17776 | 0.00000 | 316523.1 | 175823.2 | 100632.1 | S |
| 71.792 | 0.0000 | 0.0000 | 86.782 | 0.17773 | 0.00000 | 316523.1 | 175828.6 | 100632.1 | S |
| 71.800 | 0.0000 | 0.0000 | 86.782 | 0.17770 | 0.00000 | 316523.1 | 175833.9 | 100632.1 | S |
| 71.808 | 0.0000 | 0.0000 | 86.781 | 0.17768 | 0.00000 | 316523.1 | 175839.2 | 100632.1 | S |
| 71.817 | 0.0000 | 0.0000 | 86.781 | 0.17765 | 0.00000 | 316523.1 | 175844.6 | 100632.1 | S |
| 71.825 | 0.0000 | 0.0000 | 86.781 | 0.17763 | 0.00000 | 316523.1 | 175849.9 | 100632.1 | S |
| 71.833 | 0.0000 | 0.0000 | 86.781 | 0.17760 | 0.00000 | 316523.1 | 175855.2 | 100632.1 | S |
| 71.842 | 0.0000 | 0.0000 | 86.780 | 0.17757 | 0.00000 | 316523.1 | 175860.5 | 100632.1 | S |
| 71.850 | 0.0000 | 0.0000 | 86.780 | 0.17755 | 0.00000 | 316523.1 | 175865.9 | 100632.1 | S |
| 71.858 | 0.0000 | 0.0000 | 86.780 | 0.17752 | 0.00000 | 316523.1 | 175871.2 | 100632.1 | S |
| 71.867 | 0.0000 | 0.0000 | 86.779 | 0.17750 | 0.00000 | 316523.1 | 175876.5 | 100632.1 | S |
| 71.875 | 0.0000 | 0.0000 | 86.779 | 0.17747 | 0.00000 | 316523.1 | 175881.8 | 100632.1 | S |
| 71.883 | 0.0000 | 0.0000 | 86.779 | 0.17744 | 0.00000 | 316523.1 | 175887.2 | 100632.1 | S |
| 71.892 | 0.0000 | 0.0000 | 86.779 | 0.17742 | 0.00000 | 316523.1 | 175892.5 | 100632.1 | S |
| 71.900 | 0.0000 | 0.0000 | 86.778 | 0.17739 | 0.00000 | 316523.1 | 175897.8 | 100632.1 | S |
| 71.908 | 0.0000 | 0.0000 | 86.778 | 0.17737 | 0.00000 | 316523.1 | 175903.1 | 100632.1 | S |
| 71.917 | 0.0000 | 0.0000 | 86.778 | 0.17734 | 0.00000 | 316523.1 | 175908.5 | 100632.1 | S |
| 71.925 | 0.0000 | 0.0000 | 86.777 | 0.17731 | 0.00000 | 316523.1 | 175913.8 | 100632.1 | S |
| 71.933 | 0.0000 | 0.0000 | 86.777 | 0.17729 | 0.00000 | 316523.1 | 175919.1 | 100632.1 | S |
| 71.942 | 0.0000 | 0.0000 | 86.777 | 0.17726 | 0.00000 | 316523.1 | 175924.4 | 100632.1 | S |
| 71.950 | 0.0000 | 0.0000 | 86.777 | 0.17724 | 0.00000 | 316523.1 | 175929.7 | 100632.1 | S |
| 71.958 | 0.0000 | 0.0000 | 86.776 | 0.17721 | 0.00000 | 316523.1 | 175935.0 | 100632.1 | S |
| 71.967 | 0.0000 | 0.0000 | 86.776 | 0.17718 | 0.00000 | 316523.1 | 175940.4 | 100632.1 | S |
| 71.975 | 0.0000 | 0.0000 | 86.776 | 0.17716 | 0.00000 | 316523.1 | 175945.7 | 100632.1 | S |
| 71.983 | 0.0000 | 0.0000 | 86.776 | 0.17713 | 0.00000 | 316523.1 | 175951.0 | 100632.1 | S |
| 71.992 | 0.0000 | 0.0000 | 86.775 | 0.17710 | 0.00000 | 316523.1 | 175956.3 | 100632.1 | S |
| 72.000 | 0.0000 | 0.0000 | 86.775 | 0.17708 | 0.00000 | 316523.1 | 175961.6 | 100632.1 | S |
| 72.008 | 0.0000 | 0.0000 | 86.775 | 0.17705 | 0.00000 | 316523.1 | 175966.9 | 100632.1 | S |
| 72.017 | 0.0000 | 0.0000 | 86.774 | 0.17703 | 0.00000 | 316523.1 | 175972.2 | 100632.1 | S |
| 72.025 | 0.0000 | 0.0000 | 86.774 | 0.17700 | 0.00000 | 316523.1 | 175977.5 | 100632.1 | S |
| 72.033 | 0.0000 | 0.0000 | 86.774 | 0.17697 | 0.00000 | 316523.1 | 175982.9 | 100632.1 | S |
| 72.042 | 0.0000 | 0.0000 | 86.774 | 0.17695 | 0.00000 | 316523.1 | 175988.2 | 100632.1 | S |
| 72.050 | 0.0000 | 0.0000 | 86.773 | 0.17692 | 0.00000 | 316523.1 | 175993.5 | 100632.1 | S |
| 72.058 | 0.0000 | 0.0000 | 86.773 | 0.17690 | 0.00000 | 316523.1 | 175998.8 | 100632.1 | S |
| 72.067 | 0.0000 | 0.0000 | 86.773 | 0.17687 | 0.00000 | 316523.1 | 176004.1 | 100632.1 | S |
| 72.075 | 0.0000 | 0.0000 | 86.772 | 0.17685 | 0.00000 | 316523.1 | 176009.4 | 100632.1 | S |
| 72.083 | 0.0000 | 0.0000 | 86.772 | 0.17682 | 0.00000 | 316523.1 | 176014.7 | 100632.1 | S |
| 72.092 | 0.0000 | 0.0000 | 86.772 | 0.17679 | 0.00000 | 316523.1 | 176020.0 | 100632.1 | S |
| 72.100 | 0.0000 | 0.0000 | 86.772 | 0.17677 | 0.00000 | 316523.1 | 176025.3 | 100632.1 | S |
| 72.108 | 0.0000 | 0.0000 | 86.771 | 0.17674 | 0.00000 | 316523.1 | 176030.6 | 100632.1 | S |
| 72.117 | 0.0000 | 0.0000 | 86.771 | 0.17672 | 0.00000 | 316523.1 | 176035.9 | 100632.1 | S |
| 72.125 | 0.0000 | 0.0000 | 86.771 | 0.17669 | 0.00000 | 316523.1 | 176041.2 | 100632.1 | S |
| 72.133 | 0.0000 | 0.0000 | 86.770 | 0.17666 | 0.00000 | 316523.1 | 176046.5 | 100632.1 | S |
| 72.142 | 0.0000 | 0.0000 | 86.770 | 0.17664 | 0.00000 | 316523.1 | 176051.8 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate $\left(\mathrm{ft}^{3} / \mathrm{s}\right)$ | Outside Recharge (ft/day) | Stage Elevation (f datum) | Infiltration Rate (ft ${ }^{3} / \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{t}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | $\begin{aligned} & \text { Flow } \\ & \text { Type } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 72.150 | 0.0000 | 0.0000 | 86.770 | 0.17661 | 0.00000 | 316523.1 | 176057.1 | 100632.1 | S |
| 72.158 | 0.0000 | 0.0000 | 86.770 | 0.17659 | 0.00000 | 316523.1 | 176062.4 | 100632.1 | S |
| 72.167 | 0.0000 | 0.0000 | 86.769 | 0.17656 | 0.00000 | 316523.1 | 176067.7 | 100632.1 | S |
| 72.175 | 0.0000 | 0.0000 | 86.769 | 0.17653 | 0.00000 | 316523.1 | 176073.0 | 100632.1 | S |
| 72.183 | 0.0000 | 0.0000 | 86.769 | 0.17651 | 0.00000 | 316523.1 | 176078.3 | 100632.1 | S |
| 72.192 | 0.0000 | 0.0000 | 86.768 | 0.17648 | 0.00000 | 316523.1 | 176083.6 | 100632.1 | S |
| 72.200 | 0.0000 | 0.0000 | 86.768 | 0.17646 | 0.00000 | 316523.1 | 176088.9 | 100632.1 | S |
| 72.208 | 0.0000 | 0.0000 | 86.768 | 0.17643 | 0.00000 | 316523.1 | 176094.2 | 100632.1 | S |
| 72.217 | 0.0000 | 0.0000 | 86.768 | 0.17640 | 0.00000 | 316523.1 | 176099.5 | 100632.1 | S |
| 72.225 | 0.0000 | 0.0000 | 86.767 | 0.17638 | 0.00000 | 316523.1 | 176104.8 | 100632.1 | S |
| 72.233 | 0.0000 | 0.0000 | 86.767 | 0.17635 | 0.00000 | 316523.4 | 176110.1 | 100632.1 | S |
| 72.242 | 0.0000 | 0.0000 | 86.767 | 0.17633 | 0.00000 | 316523.1 | 176115.3 | 100632.1 | S |
| 72.250 | 0.0000 | 0.0000 | 86.766 | 0.17630 | 0.00000 | 316523.1 | 176120.6 | 100632.1 | S |
| 72.258 | 0.0000 | 0.0000 | 86.766 | 0.17628 | 0.00000 | 316523.1 | 176125.9 | 100632.1 | S |
| 72.267 | 0.0000 | 0.0000 | 86.766 | 0.17625 | 0.00000 | 316523.1 | 176131.2 | 100632.1 | S |
| 72.275 | 0.0000 | 0.0000 | 86.766 | 0.17622 | 0.00000 | 316523.1 | 176136.5 | 100632.1 | S |
| 72.283 | 0.0000 | 0.0000 | 86.765 | 0.17620 | 0.00000 | 316523.1 | 176141.8 | 100632.1 | S |
| 72.292 | 0.0000 | 0.0000 | 86.765 | 0.17617 | 0.00000 | 316523.1 | 176147.1 | 100632.1 | S |
| 72.300 | 0.0000 | 0.0000 | 86.765 | 0.17615 | 0.00000 | 316523.1 | 176152.4 | 100632.1 | S |
| 72.308 | 0.0000 | 0.0000 | 86.764 | 0.17612 | 0.00000 | 316523.1 | 176157.6 | 100632.1 | S |
| 72.317 | 0.0000 | 0.0000 | 86.764 | 0.17610 | 0.00000 | 316523.1 | 176162.9 | 100632.1 | S |
| 72.325 | 0.0000 | 0.0000 | 86.764 | 0.17607 | 0.00000 | 316523.1 | 176168.2 | 100632.1 | S |
| 72.333 | 0.0000 | 0.0000 | 86.764 | 0.17604 | 0.00000 | 316523.1 | 176173.5 | 100632.1 | S |
| 72.342 | 0.0000 | 0.0000 | 86.763 | 0.17602 | 0.00000 | 376523.1 | 176178.8 | 100632.1 | S |
| 72.350 | 0.0000 | 0.0000 | 86.763 | 0.17599 | 0.00000 | 316523.1 | 176184.0 | 100632.1 | S |
| 72.358 | 0.0000 | 0.0000 | 86.763 | 0.17597 | 0.00000 | 316523.1 | 176189.3 | 100632.1 | S |
| 72.367 | 0.0000 | 0.0000 | 86.763 | 0.17594 | 0.00000 | 316523.1 | 176194.6 | 100632.1 | S |
| 72.375 | 0.0000 | 0.0000 | 86.762 | 0.17592 | 0.00000 | 316523.1 | 176199.9 | 100632.1 | S |
| 72.383 | 0.0000 | 0.0000 | 86.762 | 0.17589 | 0.00000 | 316523.1 | 176205.2 | 100632.1 | S |
| 72.392 | 0.0000 | 0.0000 | 86.762 | 0.17586 | 0.00000 | 316523.1 | 176210.4 | 100632.1 | S |
| 72.400 | 0.0000 | 0.0000 | 86.761 | 0.17584 | 0.00000 | 316523.1 | 176215.7 | 100632.1 | S |
| 72.408 | 0.0000 | 0.0000 | 86.761 | 0.17581 | 0.00000 | 316523.1 | 176221.0 | 100632.1 | S |
| 72.417 | 0.0000 | 0.0000 | 86.761 | 0.17579 | 0.00000 | 316523.1 | 176226.3 | 100632.1 | S |
| 72.425 | 0.0000 | 0.0000 | 86.761 | 0.17576 | 0.00000 | 316523.1 | 176231.5 | 100632.1 | S |
| 72.433 | 0.0000 | 0.0000 | 86.760 | 0.17574 | 0.00000 | 316523.1 | 176236.8 | 100632.1 | S |
| 72.442 | 0.0000 | 0.0000 | 86.760 | 0.17571 | 0.00000 | 316523.1 | 176242.1 | 100632.1 | S |
| 72.450 | 0.0000 | 0.0000 | 86.760 | 0.17568 | 0.00000 | 316523.1 | 176247.4 | 100632.1 | S |
| 72.458 | 0.0000 | 0.0000 | 86.759 | 0.17566 | 0.00000 | 316523.1 | 176252.6 | 100632.1 | S |
| 72.467 | 0.0000 | 0.0000 | 86.759 | 0.17563 | 0.00000 | 316523.1 | 176257.9 | 100632.1 | S |
| 72.475 | 0.0000 | 0.0000 | 86.759 | 0.17561 | 0.00000 | 316523.1 | 176263.2 | 100632.1 | S |
| 72.483 | 0.0000 | 0.0000 | 86.759 | 0.17558 | 0.00000 | 316523.1 | 176268.4 | 100632.1 | S |
| 72.492 | 0.0000 | 0.0000 | 86.758 | 0.17556 | 0.00000 | 316523.1 | 176273.7 | 100632.4 | S |
| 72.500 | 0.0000 | 0.0000 | 86.758 | 0.17553 | 0.00000 | 316523.1 | 176279.0 | 100632.1 | S |
| 72.508 | 0.0000 | 0.0000 | 86.758 | 0.17550 | 0.00000 | 316523.1 | 176284.2 | 100632.4 | S |
| 72.517 | 0.0000 | 0.0000 | 86.757 | 0.17548 | 0.00000 | 316523.1 | 176289.5 | 100632.1 | S |
| 72.525 | 0.0000 | 0.0000 | 86.757 | 0.17545 | 0.00000 | 316523.1 | 176294.8 | 100632.1 | S |
| 72.533 | 0.0000 | 0.0000 | 86.757 | 0.17543 | 0.00000 | 316523.1 | 176300.0 | 100632.1 | S |
| 72.542 | 0.0000 | 0.0000 | 86.757 | 0.17540 | 0.00000 | 316523.1 | 176305.3 | 100632.1 | S |
| 72.550 | 0.0000 | 0.0000 | 86.756 | 0.17538 | 0.00000 | 316523.1 | 176310.5 | 700632.1 | S |
| 72.558 | 0.0000 | 0.0000 | 86.756 | 0.17535 | 0.00000 | 316523.1 | 176315.8 | 100632.1 | S |
| 72.567 | 0.0000 | 0.0000 | 86.756 | 0.17533 | 0.00000 | 316523.1 | 176321.1 | 100632.1 | S |
| 72.575 | 0.0000 | 0.0000 | 86.755 | 0.17530 | 0.00000 | 316523.1 | 176326.3 | 100632.1 | S |
| 72.583 | 0.0000 | 0.0000 | 86.755 | 0.17527 | 0.00000 | 316523.1 | 176331.6 | 100632.1 | S |
| 72.592 | 0.0000 | 0.0000 | 86.755 | 0.17525 | 0.00000 | 316523.1 | 176336.8 | 100632.1 | S |
| 72.600 | 0.0000 | 0.0000 | 86.755 | 0.17522 | 0.00000 | 316523.1 | 176342.1 | 100632.1 | S |
| 72.608 | 0.0000 | 0.0000 | 86.754 | 0.17520 | 0.00000 | 316523.1 | 176347.4 | 100632.1 | S |
| 72.617 | 0.0000 | 0.0000 | 86.754 | 0.17517 | 0.00000 | 316523.1 | 176352.6 | 100632.1 | S |
| 72.625 | 0.0000 | 0.0000 | 86.754 | 0.17515 | 0.00000 | 316523.1 | 176357.9 | 100632.1 | S |
| 72.633 | 0.0000 | 0.0000 | 86.754 | 0.17512 | 0.00000 | 316523.1 | 176363.1 | 100632.1 | S |
| 72.642 | 0.0000 | 0.0000 | 86.753 | 0.17510 | 0.00000 | 316523.1 | 176368.4 | 100632.1 | S |
| 72.650 | 0.0000 | 0.0000 | 86.753 | 0.17507 | 0.00000 | 316523.1 | 176373.6 | 100632.1 | S |
| 72.658 | 0.0000 | 0.0000 | 86.753 | 0.17504 | 0.00000 | 316523.1 | 176378.9 | 100632.1 | S |
| 72.667 | 0.0000 | 0.0000 | 86.752 | 0.17502 | 0.00000 | 316523.1 | 176384.1 | 100632.1 | S |
| 72.675 | 0.0000 | 0.0000 | 86.752 | 0.17499 | 0.00000 | 316523.1 | 176389.4 | 100632.1 | S |
| 72.683 | 0.0000 | 0.0000 | 86.752 | 0.17497 | 0.00000 | 316523.1 | 176394.6 | 100632.1 | S |
| 72.692 | 0.0000 | 0.0000 | 86.752 | 0.17494 | 0.00000 | 316523.1 | 176399.9 | 100632.1 | S |
| 72.700 | 0.0000 | 0.0000 | 86.751 | 0.17492 | 0.00000 | 316523.1 | 176405.1 | 100632.1 | S |
| 72.708 | 0.0000 | 0.0000 | 86.751 | 0.17489 | 0.00000 | 316523.1 | 176410.4 | 100632.1 | S |
| 72.717 | 0.0000 | 0.0000 | 86.751 | 0.17487 | 0.00000 | 316523.1 | 176415.6 | 100632.1 | S |
| 72.725 | 0.0000 | 0.0000 | 86.750 | 0.17484 | 0.00000 | 316523.1 | 176420.9 | 100632.1 | S |
| 72.733 | 0.0000 | 0.0000 | 86.750 | 0.17481 | 0.00000 | 316523.1 | 176426.1 | 100632.1 | S |
| 72.742 | 0.0000 | 0.0000 | 86.750 | 0.17479 | 0.00000 | 316523.1 | 176431.3 | 100632.1 | S |
| 72.750 | 0.0000 | 0.0000 | 86.750 | 0.17476 | 0.00000 | 316523.1 | 176436.6 | 100632.1 | S |
| 72.758 | 0.0000 | 0.0000 | 86.749 | 0.17474 | 0.00000 | 316523.1 | 176441.8 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) $\because:$ Scenario $1::$ pond10 100 yr $/ 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate (ft ${ }^{3} / \mathrm{s}$ ) | Overfiow Discharge $\left(\mathrm{ft}^{3} / \mathrm{s}\right)$ | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 72.767 | 0.0000 | 0.0000 | 86.749 | 0.17471 | 0.00000 | 316523.1 | 176447.1 | 100632.1 | S |
| 72.775 | 0.0000 | 0.0000 | 86.749 | 0.17469 | 0.00000 | 316523.1 | 176452.3 | 100632.1 | S |
| 72.783 | 0.0000 | 0.0000 | 86.748 | 0.17466 | 0.00000 | 316523.1 | 176457.6 | 100632.1 | S |
| 72.792 | 0.0000 | 0.0000 | 86.748 | 0.17464 | 0.00000 | 376523.1 | 176462.8 | 100632.1 | S |
| 72.800 | 0.0000 | 0.0000 | 86.748 | 0.17461 | 0.00000 | 316523.1 | 176468.0 | 100632.1 | S |
| 72.808 | 0.0000 | 0.0000 | 86.748 | 0.17459 | 0.00000 | 316523.1 | 176473.3 | 100632.1 | S |
| 72.817 | 0.0000 | 0.0000 | 86.747 | 0.17456 | 0.00000 | 316523.1 | 176478.5 | 100632.1 | S |
| 72.825 | 0.0000 | 0.0000 | 86.747 | 0.17454 | 0.00000 | 316523.1 | 176483.8 | 100632.1 | S |
| 72.833 | 0.0000 | 0.0000 | 86.747 | 0.17451 | 0.00000 | 316523.1 | 176489.0 | 100632.1 | S |
| 72.842 | 0.0000 | 0.0000 | 86.747 | 0.17448 | 0.00000 | 316523.1 | 176494.2 | 100632.1 | S |
| 72.850 | 0.0000 | 0.0000 | 86.746 | 0.17446 | 0.00000 | 316523.1 | 176499.5 | 100632.1 | S |
| 72.858 | 0.0000 | 0.0000 | 86.746 | 0.17443 | 0.00000 | 316523.1 | 176504.7 | 100632.1 | S |
| 72.867 | 0.0000 | 0.0000 | 86.746 | 0.17441 | 0.00000 | 316523.1 | 176509.9 | 100632.1 | S |
| 72.875 | 0.0000 | 0.0000 | 86.745 | 0.17438 | 0.00000 | 316523.1 | 176515.2 | 100632.1 | S |
| 72.883 | 0.0000 | 0.0000 | 86.745 | 0.17436 | 0.00000 | 316523.1 | 176520.4 | 100632.1 | S |
| 72.892 | 0.0000 | 0.0000 | 86.745 | 0.17433 | 0.00000 | 316523.1 | 176525.6 | 100632.1 | S |
| 72.900 | 0.0000 | 0.0000 | 86.745 | 0.17431 | 0.00000 | 316523.1 | 176530.8 | 100632.1 | S |
| 72.908 | 0.0000 | 0.0000 | 86.744 | 0.17428 | 0.00000 | 316523.1 | 176536.1 | 100632.1 | S |
| 72.917 | 0.0000 | 0.0000 | 86.744 | 0.17426 | 0.00000 | 316523.1 | 176541.3 | 100632.1 | S |
| 72.925 | 0.0000 | 0.0000 | 86.744 | 0.17423 | 0.00000 | 316523.1 | 176546.5 | 100632.1 | S |
| 72.933 | 0.0000 | 0.0000 | 86.743 | 0.17421 | 0.00000 | 316523.1 | 176551.8 | 100632.1 | S |
| 72.942 | 0.0000 | 0.0000 | 86.743 | 0.17418 | 0.00000 | 316523.1 | 176557.0 | 100632.1 | S |
| 72.950 | 0.0000 | 0.0000 | 86.743 | 0.17416 | 0.00000 | 316523.1 | 176562.2 | 100632.1 | S |
| 72.958 | 0.0000 | 0.0000 | 86.743 | 0.17413 | 0.00000 | 316523.1 | 176567.4 | 100632.1 | S |
| 72.967 | 0.0000 | 0.0000 | 86.742 | 0.17410 | 0.00000 | 316523.1 | 176572.7 | 100632.1 | S |
| 72.975 | 0.0000 | 0.0000 | 86.742 | 0.17408 | 0.00000 | 316523.1 | 176577.9 | 100632.1 | S |
| 72.983 | 0.0000 | 0.0000 | 86.742 | 0.17405 | 0.00000 | 316523.1 | 176583.1 | 100632.1 | S |
| 72.992 | 0.0000 | 0.0000 | 86.741 | 0.17403 | 0.00000 | 316523.1 | 176588.3 | 100632.1 | S |
| 73.000 | 0.0000 | 0.0000 | 86.741 | 0.17400 | 0.00000 | 316523.1 | 176593.5 | 100632.1 | S |
| 73.008 | 0.0000 | 0.0000 | 86.741 | 0.17398 | 0.00000 | 316523.1 | 176598.8 | 100632.1 | S |
| 73.017 | 0.0000 | 0.0000 | 86.741 | 0.17395 | 0.00000 | 316523.1 | 176604.0 | 100632.1 | S |
| 73.025 | 0.0000 | 0.0000 | 86.740 | 0.17393 | 0.00000 | 316523.1 | 176609.2 | 100632.1 | S |
| 73.033 | 0.0000 | 0.0000 | 86.740 | 0.17390 | 0.00000 | 316523.1 | \$76614.4 | 100632.1 | S |
| 73.042 | 0.0000 | 0.0000 | 86.740 | 0.17388 | 0.00000 | 316523.1 | 176619.6 | 100632.1 | S |
| 73.050 | 0.0000 | 0.0000 | 86.740 | 0.17385 | 0.00000 | 316523.1 | 176624.8 | 100632.1 | S |
| 73.058 | 0.0000 | 0.0000 | 86.739 | 0.17383 | 0.00000 | 316523.1 | 176630.1 | 100632.1 | S |
| 73.067 | 0.0000 | 0.0000 | 86.739 | 0.17380 | 0.00000 | 316523.1 | 176635.3 | 100632.1 | S |
| 73.075 | 0.0000 | 0.0000 | 86.739 | 0.17378 | 0.00000 | 316523.1 | 176640.5 | 100632.1 | S |
| 73.083 | 0.0000 | 0.0000 | 86.738 | 0.17375 | 0.00000 | 316523.1 | 176645.7 | 100632.1 | S |
| 73.092 | 0.0000 | 0.0000 | 86.738 | 0.17373 | 0.00000 | 316523.1 | 176650.9 | 100632.1 | S |
| 73.100 | 0.0000 | 0.0000 | 86.738 | 0.17370 | 0.00000 | 316523.1 | 176656.1 | 100632.1 | S |
| 73.108 | 0.0000 | 0.0000 | 86.738 | 0.17368 | 0.00000 | 316523.1 | 176661.3 | 100632.1 | S |
| 73.117 | 0.0000 | 0.0000 | 86.737 | 0.17365 | 0.00000 | 316523.1 | 176666.5 | 100632.1 | S |
| 73.125 | 0.0000 | 0.0000 | 86.737 | 0.17363 | 0.00000 | 316523.1 | 176671.8 | 100632.1 | S |
| 73.133 | 0.0000 | 0.0000 | 86.737 | 0.17360 | 0.00000 | 316523.1 | 176677.0 | 100632.1 | S |
| 73.142 | 0.0000 | 0.0000 | 86.736 | 0.17357 | 0.00000 | 316523.1 | 176682.2 | 100632.1 | S |
| 73.150 | 0.0000 | 0.0000 | 86.736 | 0.17355 | 0.00000 | 316523.1 | 176687.4 | 100632.1 | S |
| 73.158 | 0.0000 | 0.0000 | 86.736 | 0.17352 | 0.00000 | 316523.1 | 176692.6 | 100632.1 | S |
| 73.167 | 0.0000 | 0.0000 | 86.736 | 0.17350 | 0.00000 | 316523.1 | 176697.8 | 100632.1 | S |
| 73.175 | 0.0000 | 0.0000 | 86.735 | 0.17347 | 0.00000 | 316523.1 | 176703.0 | 100632.1 | S |
| 73.183 | 0.0000 | 0.0000 | 86.735 | 0.17345 | 0.00000 | 316523.1 | 176708.2 | 100632.1 | S |
| 73.192 | 0.0000 | 0.0000 | 86.735 | 0.17342 | 0.00000 | 316523.1 | 176713.4 | 100632.1 | S |
| 73.200 | 0.0000 | 0.0000 | 86.734 | 0.17340 | 0.00000 | 316523.1 | 176718.6 | 100632.1 | S |
| 73.208 | 0.0000 | 0.0000 | 86.734 | 0.17337 | 0.00000 | 316523.1 | 176723.8 | 100632.1 | S |
| 73.217 | 0.0000 | 0.0000 | 86.734 | 0.17335 | 0.00000 | 316523.1 | 176729.0 | 100632.1 | S |
| 73.225 | 0.0000 | 0.0000 | 86.734 | 0.17332 | 0.00000 | 316523.1 | 176734.2 | 100632.1 | S |
| 73.233 | 0.0000 | 0.0000 | 86.733 | 0.17330 | 0.00000 | 316523.1 | 176739.4 | 100632.1 | S |
| 73.242 | 0.0000 | 0.0000 | 86.733 | 0.17327 | 0.00000 | 316523.1 | 176744.6 | 100632.1 | S |
| 73.250 | 0.0000 | 0.0000 | 86.733 | 0.77325 | 0.00000 | 316523.1 | 176749.8 | 100632.1 | S |
| 73.258 | 0.0000 | 0.0000 | 86.733 | 0.17322 | 0.00000 | 316523.1 | 176755.0 | 100632.1 | S |
| 73.267 | 0.0000 | 0.0000 | 86.732 | 0.17320 | 0.00000 | 316523.1 | 176760.2 | 100632.1 | S |
| 73.275 | 0.0000 | 0.0000 | 86.732 | 0.17317 | 0.00000 | 316523.1 | 176765.4 | 100632.1 | S |
| 73.283 | 0.0000 | 0.0000 | 86.732 | 0.17315 | 0.00000 | 316523.1 | 176770.6 | 100632.1 | S |
| 73.292 | 0.0000 | 0.0000 | 86.731 | 0.17312 | 0.00000 | 316523.1 | 176775.8 | 100632.1 | S |
| 73.300 | 0.0000 | 0.0000 | 86.731 | 0.17310 | 0.00000 | 316523.1 | 176781.0 | 100632.1 | S |
| 73.308 | 0.0000 | 0.0000 | 86.731 | 0.17307 | 0.00000 | 316523.1 | 176786.2 | 100632.1 | S |
| 73.317 | 0.0000 | 0.0000 | 86.731 | 0.17305 | 0.00000 | 316523.1 | 176791.4 | 100632.1 | S |
| 73.325 | 0.0000 | 0.0000 | 86.730 | 0.17302 | 0.00000 | 316523.1 | 176796.5 | 100632.1 | S |
| 73.333 | 0.0000 | 0.0000 | 86.730 | 0.17300 | 0.00000 | 316523.1 | 176801.7 | 100632.1 | S |
| 73.342 | 0.0000 | 0.0000 | 86.730 | 0.17297 | 0.00000 | 316523.1 | 176806.9 | 100632.1 | S |
| 73.350 | 0.0000 | 0.0000 | 86.729 | 0.17295 | 0.00000 | 316523.1 | 176812.1 | 100632.1 | S |
| 73.358 | 0.0000 | 0.0000 | 86.729 | 0.17292 | 0.00000 | 316523.1 | 176817.3 | 100632.1 | S |
| 73.367 | 0.0000 | 0.0000 | 86.729 | 0.17290 | 0.00000 | 316523.1 | 176822.5 | 100632.1 | S |
| 73.375 | 0.0000 | 0.0000 | 86.729 | 0.17287 | 0.00000 | 316523.1 | 176827.7 | 100632.1 | S |

PONDS Version 3.2.0207

| Elapsed Time (hours) | inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative <br> Discharge <br> Volume ( $\mathrm{r}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 73.383 | 0.0000 | 0.0000 | 86.728 | 0.17285 | 0.00000 | 316523.1 | 176832.9 | 100632.1 | S |
| 73.392 | 0.0000 | 0.0000 | 86.728 | 0.17282 | 0.00000 | 316523.1 | 176838.0 | 100632.1 | S |
| 73.400 | 0.0000 | 0.0000 | 86.728 | 0.17280 | 0.00000 | 316523.1 | 176843.2 | 100632.1 | S |
| 73.408 | 0.0000 | 0.0000 | 86.728 | 0.17277 | 0.00000 | 316523.1 | 176848.4 | 100632.1 | S |
| 73.417 | 0.0000 | 0.0000 | 86.727 | 0.17275 | 0.00000 | 316523.1 | 176853.6 | 100632.1 | S |
| 73.425 | 0.0000 | 0.0000 | 86.727 | 0.17272 | 0.00000 | 316523.1 | 176858.8 | 100632.1 | S |
| 73.433 | 0.0000 | 0.0000 | 86.727 | 0.17270 | 0.00000 | 316523.1 | 176864.0 | 100632.1 | S |
| 73.442 | 0.0000 | 0.0000 | 86.726 | 0.17267 | 0.00000 | 316523.1 | 176869.1 | 100632.1 | S |
| 73.450 | 0.0000 | 0.0000 | 86.726 | 0.17265 | 0.00000 | 316523.1 | 176874.3 | 100632.1 | S |
| 73.458 | 0.0000 | 0.0000 | 86.726 | 0.17262 | 0.00000 | 316523.1 | 176879.5 | 100632.1 | S |
| 73.467 | 0.0000 | 0.0000 | 86.726 | 0.17260 | 0.00000 | 316523.1 | 176884.7 | 100632.1 | S |
| 73.475 | 0.0000 | 0.0000 | 86.725 | 0.17257 | 0.00000 | 316523.1 | 176889.9 | 100632.1 | S |
| 73.483 | 0.0000 | 0.0000 | 86.725 | 0.17255 | 0.00000 | 316523.1 | 176895.0 | 100632.1 | S |
| 73.492 | 0.0000 | 0.0000 | 86.725 | 0.17252 | 0.00000 | 316523.1 | 176900.2 | 100632.1 | S |
| 73.500 | 0.0000 | 0.0000 | 86.724 | 0.17250 | 0.00000 | 316523.1 | 176905.4 | 100632.1 | S |
| 73.508 | 0.0000 | 0.0000 | 86.724 | 0.17247 | 0.00000 | 316523.1 | 176910.6 | 100632.1 | S |
| 73.517 | 0.0000 | 0.0000 | 86.724 | 0.17245 | 0.00000 | 316523.1 | 176915.7 | 100632.1 | S |
| 73.525 | 0.0000 | 0.0000 | 86.724 | 0.17242 | 0.00000 | 316523.1 | 176920.9 | 100632.1 | S |
| 73.533 | 0.0000 | 0.0000 | 86.723 | 0.17240 | 0.00000 | 316523.1 | 176926.1 | 100632.1 | S |
| 73.542 | 0.0000 | 0.0000 | 86.723 | 0.17237 | 0.00000 | 316523.1 | 176931.3 | 100632.1 | S |
| 73.550 | 0.0000 | 0.0000 | 86.723 | 0.17235 | 0.00000 | 316523.1 | 176936.4 | 100632.1 | S |
| 73.558 | 0.0000 | 0.0000 | 86.723 | 0.17232 | 0.00000 | 316523.1 | 176941.6 | 100632.1 | S |
| 73.567 | 0.0000 | 0.0000 | 86.722 | 0.17230 | 0.00000 | 316523.1 | 176946.8 | 100632.1 | S |
| 73.575 | 0.0000 | 0.0000 | 86.722 | 0.17227 | 0.00000 | 316523.1 | 176951.9 | 100632.1 | S |
| 73.583 | 0.0000 | 0.0000 | 86.722 | 0.17225 | 0.00000 | 316523.1 | 176957.1 | 100632.1 | S |
| 73.592 | 0.0000 | 0.0000 | 86.721 | 0.17222 | 0.00000 | 316523.1 | 176962.3 | 100632.1 | S |
| 73.600 | 0.0000 | 0.0000 | 86.721 | 0.17220 | 0.00000 | 316523.1 | 176967.4 | 100632.1 | S |
| 73.608 | 0.0000 | 0.0000 | 86.721 | 0.17218 | 0.00000 | 316523.1 | 176972.6 | 100632.1 | S |
| 73.617 | 0.0000 | 0.0000 | 86.721 | 0.17215 | 0.00000 | 316523.1 | 176977.8 | 100632.1 | S |
| 73.625 | 0.0000 | 0.0000 | 86.720 | 0.17213 | 0.00000 | 316523.1 | 176982.9 | 100632.1 | S |
| 73.633 | 0.0000 | 0.0000 | 86.720 | 0.17210 | 0.00000 | 316523.1 | 176988.1 | 100632.1 | 5 |
| 73.642 | 0.0000 | 0.0000 | 86.720 | 0.17208 | 0.00000 | 316523.1 | 176993.3 | 100632.1 | S |
| 73.650 | 0.0000 | 0.0000 | 86.719 | 0.17205 | 0.00000 | 316523.1 | 176998.4 | 100632.1 | S |
| 73.658 | 0.0000 | 0.0000 | 86.719 | 0.17203 | 0.00000 | 316523.1 | 177003.6 | 100632.1 | S |
| 73.667 | 0.0000 | 0.0000 | 86.719 | 0.17200 | 0.00000 | 316523.1 | 177008.7 | 100632.1 | S |
| 73.675 | 0.0000 | 0.0000 | 86.719 | 0.17198 | 0.00000 | 316523.1 | 177013.9 | 100632.1 | S |
| 73.683 | 0.0000 | 0.0000 | 86.718 | 0.17195 | 0.00000 | 316523.1 | 177019.0 | 100632.1 | S |
| 73.692 | 0.0000 | 0.0000 | 86.718 | 0.17193 | 0.00000 | 316523.1 | 177024.2 | 100632.1 | S |
| 73.700 | 0.0000 | 0.0000 | 86.718 | 0.17190 | 0.00000 | 316523.1 | 177029.4 | 100632.1 | S |
| 73.708 | 0.0000 | 0.0000 | 86.718 | 0.17188 | 0.00000 | 316523.1 | 177034.5 | 100632.1 | S |
| 73.717 | 0.0000 | 0.0000 | 86.717 | 0.17185 | 0.00000 | 316523.1 | 177039.7 | 100632.1 | S |
| 73.725 | 0.0000 | 0.0000 | 86.717 | 0.17183 | 0.00000 | 316523.1 | 177044.8 | 100632.1 | S |
| 73.733 | 0.0000 | 0.0000 | 86.717 | 0.17180 | 0.00000 | 316523.1 | 177050.0 | 100632.1 | S |
| 73.742 | 0.0000 | 0.0000 | 86.716 | 0.17178 | 0.00000 | 316523.1 | 177055.1 | 100632.1 | S |
| 73.750 | 0.0000 | 0.0000 | 86.716 | 0.17175 | 0.00000 | 316523.1 | 177060.3 | 100632.1 | S |
| 73.758 | 0.0000 | 0.0000 | 86.716 | 0.17173 | 0.00000 | 316523.1 | 177065.5 | 100632.1 | S |
| 73.767 | 0.0000 | 0.0000 | 86.716 | 0.17170 | 0.00000 | 316523.1 | 177070.6 | 100632.1 | S |
| 73.775 | 0.0000 | 0.0000 | 86.715 | 0.17168 | 0.00000 | 316523.1 | 177075.8 | 100632.1 | S |
| 73.783 | 0.0000 | 0.0000 | 86.715 | 0.17166 | 0.00000 | 316523.1 | 177080.9 | 100632.1 | S |
| 73.792 | 0.0000 | 0.0000 | 86.715 | 0.17163 | 0.00000 | 316523.1 | 177086.0 | 100632.1 | S |
| 73.800 | 0.0000 | 0.0000 | 86.714 | 0.17161 | 0.00000 | 316523.1 | 177091.2 | 100632.1 | S |
| 73.808 | 0.0000 | 0.0000 | 86.714 | 0.17158 | 0.00000 | 316523.1 | 177096.3 | 100632.1 | S |
| 73.817 | 0.0000 | 0.0000 | 86.714 | 0.17156 | 0.00000 | 316523.1 | 177101.5 | 100632.1 | S |
| 73.825 | 0.0000 | 0.0000 | 86.714 | 0.17153 | 0.00000 | 316523.1 | 177106.6 | 100632.1 | S |
| 73.833 | 0.0000 | 0.0000 | 86.713 | 0.17151 | 0.00000 | 316523.1 | 177111.8 | 100632.1 | S |
| 73.842 | 0.0000 | 0.0000 | 86.713 | 0.17148 | 0.00000 | 316523.1 | 177116.9 | 100632.1 | S |
| 73.850 | 0.0000 | 0.0000 | 86.713 | 0.17146 | 0.00000 | 316523.1 | 177122.1 | 100632.1 | S |
| 73.858 | 0.0000 | 0.0000 | 86.713 | 0.17143 | 0.00000 | 316523.1 | 177127.2 | 100632.1 | S |
| 73.867 | 0.0000 | 0.0000 | 86.712 | 0.17141 | 0.00000 | 316523.1 | 177132.4 | 100632.1 | S |
| 73.875 | 0.0000 | 0.0000 | 86.712 | 0.17138 | 0.00000 | 316523.1 | 177137.5 | 100632.1 | S |
| 73.883 | 0.0000 | 0.0000 | 86.712 | 0.17136 | 0.00000 | 316523.1 | 177142.6 | 100632.1 | S |
| 73.892 | 0.0000 | 0.0000 | 86.711 | 0.17133 | 0.00000 | 316523.1 | 177147.8 | 100632.1 | S |
| 73.900 | 0.0000 | 0.0000 | 86.711 | 0.17131 | 0.00000 | 316523.1 | 177152.9 | 100632.1 | S |
| 73.908 | 0.0000 | 0.0000 | 86.711 | 0.17129 | 0.00000 | 316523.1 | 177158.1 | 100632.1 | S |
| 73.917 | 0.0000 | 0.0000 | 86.711 | 0.17126 | 0.00000 | 316523.1 | 177163.2 | 100632.1 | S |
| 73.925 | 0.0000 | 0.0000 | 86.710 | 0.17124 | 0.00000 | 316523.1 | 177168.3 | 100632.1 | S |
| 73.933 | 0.0000 | 0.0000 | 86.710 | 0.17121 | 0.00000 | 316523.1 | 177173.5 | 100632.1 | S |
| 73.942 | 0.0000 | 0.0000 | 86.710 | 0.17119 | 0.00000 | 316523.1 | 177178.6 | 100632.1 | S |
| 73.950 | 0.0000 | 0.0000 | 86.710 | 0.17116 | 0.00000 | 316523.1 | 177183.8 | 100632.1 | S |
| 73.958 | 0.0000 | 0.0000 | 86.709 | 0.17114 | 0.00000 | 316523.1 | 177188.9 | 100632.1 | S |
| 73.967 | 0.0000 | 0.0000 | 86.709 | 0.17111 | 0.00000 | 316523.1 | 177194.0 | 100632.1 | 5 |
| 73.975 | 0.0000 | 0.0000 | 86.709 | 0.17109 | 0.00000 | 316523.1 | 177199.2 | 100632.1 | S |
| 73.983 | 0.0000 | 0.0000 | 86.708 | 0.17106 | 0.00000 | 316523.1 | 177204.3 | 100632.1 | S |
| 73.992 | 0.0000 | 0.0000 | 86.708 | 0.17104 | 0.00000 | 316523.1 | 177209.4 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr $/ 24$ Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate (ftys) | Outside Recharge (fUday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume (ft ${ }^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 74.000 | 0.0000 | 0.0000 | 86.708 | 0.17101 | 0.00000 | 316523.1 | 177214.5 | 100632.1 | S |
| 74.008 | 0.0000 | 0.0000 | 86.708 | 0.17099 | 0.00000 | 316523.1 | 177219.7 | 100632.1 | S |
| 74.017 | 0.0000 | 0.0000 | 86.707 | 0.17097 | 0.00000 | 316523.1 | 177224.8 | 100632.1 | S |
| 74.025 | 0.0000 | 0.0000 | 86.707 | 0.17094 | 0.00000 | 316523.1 | 177229.9 | 100632.1 | S |
| 74.033 | 0.0000 | 0.0000 | 86.707 | 0.17092 | 0.00000 | 316523.1 | 177235.1 | 100632.1 | S |
| 74.042 | 0.0000 | 0.0000 | 86.706 | 0.17089 | 0.00000 | 316523.1 | 177240.2 | 100632.1 | S |
| 74.050 | 0.0000 | 0.0000 | 86.706 | 0.17087 | 0.00000 | 316523.1 | 177245.3 | 100632.1 | S |
| 74.058 | 0.0000 | 0.0000 | 86.706 | 0.17084 | 0.00000 | 316523.1 | 177250.4 | 100632.1 | S |
| 74.067 | 0.0000 | 0.0000 | 86.706 | 0.17082 | 0.00000 | 316523.1 | 177255.6 | 100632.1 | S |
| 74.075 | 0.0000 | 0.0000 | 86.705 | 0.17079 | 0.00000 | 316523.1 | 177260.7 | 100632.1 | S |
| 74.083 | 0.0000 | 0.0000 | 86.705 | 0.17077 | 0.00000 | 316523.1 | 177265.8 | 100632.1 | S |
| 74.092 | 0.0000 | 0.0000 | 86.705 | 0.17074 | 0.00000 | 316523.1 | 177270.9 | 100632.1 | S |
| 74.100 | 0.0000 | 0.0000 | 86.705 | 0.17072 | 0.00000 | 316523.1 | 177276.1 | 100632.1 | S |
| 74.108 | 0.0000 | 0.0000 | 86.704 | 0.17070 | 0.00000 | 316523.1 | 177281.2 | 100632.1 | S |
| 74.117 | 0.0000 | 0.0000 | 86.704 | 0.17067 | 0.00000 | 316523.1 | 177286.3 | 100632.1 | S |
| 74.125 | 0.0000 | 0.0000 | 86.704 | 0.17065 | 0.00000 | 316523.1 | 177291.4 | 100632.1 | S |
| 74.133 | 0.0000 | 0.0000 | 86.703 | 0.17062 | 0.00000 | 316523.1 | 177296.5 | 100632.1 | S |
| 74.142 | 0.0000 | 0.0000 | 86.703 | 0.17060 | 0.00000 | 316523.1 | 177301.7 | 100632.1 | S |
| 74.150 | 0.0000 | 0.0000 | 86.703 | 0.17057 | 0.00000 | 316523.1 | 177306.8 | 100632.1 | S |
| 74.158 | 0.0000 | 0.0000 | 86.703 | 0.17055 | 0.00000 | 316523.1 | 177311.9 | 100632.1 | S |
| 74.167 | 0.0000 | 0.0000 | 86.702 | 0.17052 | 0.00000 | 316523.1 | 177317.0 | 100632.1 | S |
| 74.175 | 0.0000 | 0.0000 | 86.702 | 0.17050 | 0.00000 | 316523.1 | 177322.1 | 100632.1 | S |
| 74.183 | 0.0000 | 0.0000 | 86.702 | 0.17048 | 0.00000 | 316523.1 | 177327.2 | 100632.1 | S |
| 74.192 | 0.0000 | 0.0000 | 86.701 | 0.17045 | 0.00000 | 316523.1 | 177332.3 | 100632.1 | S |
| 74.200 | 0.0000 | 0.0000 | 86.701 | 0.17043 | 0.00000 | 316523.1 | 177337.5 | 100632.1 | S |
| 74.208 | 0.0000 | 0.0000 | 86.701 | 0.17040 | 0.00000 | 316523.1 | 177342.6 | 100632.1 | S |
| 74.217 | 0.0000 | 0.0000 | 86.701 | 0.17038 | 0.00000 | 316523.1 | 177347.7 | 100632.1 | S |
| 74.225 | 0.0000 | 0.0000 | 86.700 | 0.17035 | 0.00000 | 316523.1 | 177352.8 | 100632.1 | S |
| 74.233 | 0.0000 | 0.0000 | 86.700 | 0.17033 | 0.00000 | 316523.1 | 177357.9 | 100632.1 | S |
| 74.242 | 0.0000 | 0.0000 | 86.700 | 0.17030 | 0.00000 | 316523.1 | 177363.0 | 100632.1 | S |
| 74.250 | 0.0000 | 0.0000 | 86.700 | 0.17028 | 0.00000 | 316523.1 | 177368.1 | 100632.1 | S |
| 74.258 | 0.0000 | 0.0000 | 86,699 | 0.17026 | 0.00000 | 316523.1 | 177373.2 | 100632.1 | S |
| 74.267 | 0.0000 | 0.0000 | 86.699 | 0.17023 | 0.00000 | 316523.1 | 177378.3 | 100632.1 | S |
| 74.275 | 0.0000 | 0.0000 | 86.699 | 0.17021 | 0.00000 | 316523.1 | 177383.5 | 100632.1 | S |
| 74.283 | 0.0000 | 0.0000 | 86.698 | 0.17018 | 0.00000 | 316523.1 | 177388.6 | 100632.1 | S |
| 74.292 | 0.0000 | 0.0000 | 86.698 | 0.17016 | 0.00000 | 316523.1 | 177393.7 | 100632.1 | S |
| 74.300 | 0.0000 | 0.0000 | 86.698 | 0.17013 | 0.00000 | 316523.1 | 177398.8 | 100632.1 | S |
| 74.308 | 0.0000 | 0.0000 | 86.698 | 0.17011 | 0.00000 | 316523.1 | 177403.9 | 100632.1 | S |
| 74.317 | 0.0000 | 0.0000 | 86.697 | 0.17009 | 0.00000 | 316523.1 | 177409.0 | 100632.1 | S |
| 74.325 | 0.0000 | 0.0000 | 86.697 | 0.17006 | 0.00000 | 316523.1 | 177414.1 | 100632.1 | S |
| 74.333 | 0.0000 | 0.0000 | 86.697 | 0.17004 | 0.00000 | 316523.1 | 177419.2 | 100632.1 | S |
| 74.342 | 0.0000 | 0.0000 | 86.697 | 0.17001 | 0.00000 | 316523.1 | 177424.3 | 100632.1 | S |
| 74.350 | 0.0000 | 0.0000 | 86.696 | 0.16999 | 0.00000 | 316523.1 | 177429.4 | 100632.1 | S |
| 74.358 | 0.0000 | 0.0000 | 86.696 | 0.16996 | 0.00000 | 316523.1 | 177434.5 | 100632.1 | S |
| 74.367 | 0.0000 | 0.0000 | 86.696 | 0.16994 | 0.00000 | 316523.1 | 177439.6 | 100632.1 | S |
| 74.375 | 0.0000 | 0.0000 | 86.695 | 0.16992 | 0.00000 | 316523.1 | 177444.7 | 100632.1 | S |
| 74.383 | 0.0000 | 0.0000 | 86.695 | 0.16989 | 0.00000 | 316523.1 | 177449.8 | 100632.1 | S |
| 74.392 | 0.0000 | 0.0000 | 86.695 | 0.16987 | 0.00000 | 316523.1 | 177454.9 | 100632.1 | S |
| 74.400 | 0.0000 | 0.0000 | 86.695 | 0.16984 | 0.00000 | 316523.1 | 177460.0 | 100632.1 | S |
| 74.408 | 0.0000 | 0.0000 | 86.694 | 0.16982 | 0.00000 | 316523.1 | 177465.1 | 100632.1 | S |
| 74.417 | 0.0000 | 0.0000 | 86.694 | 0.16979 | 0.00000 | 316523.1 | 177470.2 | 100632.1 | S |
| 74.425 | 0.0000 | 0.0000 | 86.694 | 0.16977 | 0.00000 | 316523.1 | 177475.3 | 100632.1 | S |
| 74.433 | 0.0000 | 0.0000 | 86.694 | 0.16975 | 0.00000 | 316523.1 | 177480.3 | 100632.1 | S |
| 74.442 | 0.0000 | 0.0000 | 86.693 | 0.16972 | 0.00000 | 316523.1 | 177485.4 | 100632.1 | S |
| 74.450 | 0.0000 | 0.0000 | 86.693 | 0.16970 | 0.00000 | 316523.1 | 177490.5 | 100632.1 | S |
| 74.458 | 0.0000 | 0.0000 | 86.693 | 0.16967 | 0.00000 | 316523.1 | 177495.6 | 100632.1 | S |
| 74.467 | 0.0000 | 0.0000 | 86.692 | 0.16965 | 0.00000 | 316523.1 | 177500.7 | 100632.1 | S |
| 74.475 | 0.0000 | 0.0000 | 86.692 | 0.16962 | 0.00000 | 316523.1 | 177505.8 | 100632.1 | S |
| 74.483 | 0.0000 | 0.0000 | 86.692 | 0.16960 | 0.00000 | 316523.1 | 177510.9 | 100632.1 | S |
| 74.492 | 0.0000 | 0.0000 | 86.692 | 0.16958 | 0.00000 | 316523.1 | 177516.0 | 100632.1 | S |
| 74.500 | 0.0000 | 0.0000 | 86.691 | 0.16955 | 0.00000 | 316523.1 | 177521.0 | 100632.1 | S |
| 74.508 | 0.0000 | 0.0000 | 86.691 | 0.16953 | 0.00000 | 316523.1 | 177526.1 | 100632.1 | S |
| 74.517 | 0.0000 | 0.0000 | 86.691 | 0.16950 | 0.00000 | 316523.1 | 177531.2 | 100632.1 | S |
| 74.525 | 0.0000 | 0.0000 | 86.690 | 0.16948 | 0.00000 | 316523.1 | 177536.3 | 100632.1 | S |
| 74.533 | 0.0000 | 0.0000 | 86.690 | 0.16945 | 0.00000 | 316523.1 | 177541.4 | 100632.1 | S |
| 74.542 | 0.0000 | 0.0000 | 86.690 | 0.16943 | 0.00000 | 316523.1 | 177546.5 | 100632.1 | S |
| 74.550 | 0.0000 | 0.0000 | 86.690 | 0.16941 | 0.00000 | 316523.1 | 177551.6 | 100632.1 | S |
| 74.558 | 0.0000 | 0.0000 | 86.689 | 0.16938 | 0.00000 | 316523.1 | 177556.6 | 100632.1 | S |
| 74.567 | 0.0000 | 0.0000 | 86.689 | 0.16936 | 0.00000 | 316523.1 | 177561.7 | 100632. ${ }^{\text {\% }}$ | S |
| 74.575 | 0.0000 | 0.0000 | 86.689 | 0.16933 | 0.00000 | 316523.1 | 177566.8 | 100632.1 | S |
| 74.583 | 0.0000 | 0.0000 | 86.689 | 0.16931 | 0.00000 | 316523.1 | 177571.9 | 100632.1 | S |
| 74.592 | 0.0000 | 0.0000 | 86.688 | 0.16929 | 0.00000 | 316523.1 | 177577.0 | 100632.1 | S |
| 74.600 | 0.0000 | 0.0000 | 86.688 | 0.16926 | 0.00000 | 316523.1 | 177582.0 | 100632.1 | S |
| 74.608 | 0.0000 | 0.0000 | 86.688 | 0.16924 | 0.00000 | 316523.1 | 177587.1 | 100632.1 | S |

PONDS Version 3.2.0207

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | Inflow Rate (f $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 74.617 | 0.0000 | 0.0000 | 86.687 | 0.16921 | 0.00000 | 316523.1 | 177592.2 | 100632.1 | S |
| 74.625 | 0.0000 | 0.0000 | 86.687 | 0.16919 | 0.00000 | 316523.1 | 177597.3 | 100632.1 | S |
| 74.633 | 0.0000 | 0.0000 | 86.687 | 0.16917 | 0.00000 | 316523.1 | 177602.3 | 100632.1 | S |
| 74.642 | 0.0000 | 0.0000 | 86.687 | 0.16914 | 0.00000 | 316523.1 | 177607.4 | 100632.1 | S |
| 74.650 | 0.0000 | 0.0000 | 86.686 | 0.16912 | 0.00000 | 316523.1 | 177612.5 | 100632.1 | S |
| 74.658 | 0.0000 | 0.0000 | 86.686 | 0.16909 | 0.00000 | 316523.1 | 177617.6 | 100632.1 | S |
| 74.667 | 0.0000 | 0.0000 | 86.686 | 0.16907 | 0.00000 | 316523.1 | 177622.6 | 100632.1 | S |
| 74.675 | 0.0000 | 0.0000 | 86.686 | 0.16904 | 0.00000 | 316523.1 | 177627.7 | 100632.1 | S |
| 74.683 | 0.0000 | 0.0000 | 86.685 | 0.16902 | 0.00000 | 316523.1 | 177632.8 | 100632.1 | S |
| 74.692 | 0.0000 | 0.0000 | 86.685 | 0.16900 | 0.00000 | 316523.1 | 177637.8 | 100632.1 | S |
| 74.700 | 0.0000 | 0.0000 | 86.685 | 0.16897 | 0.00000 | 316523.1 | 177642.9 | 100632.1 | S |
| 74.708 | 0.0000 | 0.0000 | 86.684 | 0.16885 | 0.00000 | 316523.1 | 177648.0 | 100632.1 | S |
| 74.717 | 0.0000 | 0.0000 | 86.684 | 0.16892 | 0.00000 | 316523.1 | 177653.1 | 100632.1 | S |
| 74.725 | 0.0000 | 0.0000 | 86.684 | 0.16890 | 0.00000 | $3 \ddagger 6523.1$ | 177658.1 | 100632.1 | S |
| 74.733 | 0.0000 | 0.0000 | 86.684 | 0.16888 | 0.00000 | 316523.1 | 177663.2 | 100632.1 | S |
| 74.742 | 0.0000 | 0.0000 | 86.683 | 0.16885 | 0.00000 | 316523.1 | 177668.3 | 100632.7 | S |
| 74.750 | 0.0000 | 0.0000 | 86.683 | 0.16883 | 0.00000 | 316523.1 | 177673.3 | 100632.1 | S |
| 74.758 | 0.0000 | 0.0000 | 86.683 | 0.16880 | 0.00000 | 316523.1 | 177678.4 | 100632.1 | S |
| 74.767 | 0.0000 | 0.0000 | 86.683 | 0.16878 | 0.00000 | 316523.1 | 177683.5 | 100632.1 | S |
| 74.775 | 0.0000 | 0.0000 | 86.682 | 0.16876 | 0.00000 | 316523.1 | 177688.5 | 100632.1 | S |
| 74.783 | 0.0000 | 0.0000 | 86.682 | 0.16873 | 0.00000 | 316523.1 | 177693.6 | 100632.1 | S |
| 74.792 | 0.0000 | 0.0000 | 86.682 | 0.16871 | 0.00000 | 316523.1 | 177698.6 | 100632.1 | S |
| 74.800 | 0.0000 | 0.0000 | 86.681 | 0.16868 | 0.00000 | 316523.1 | 177703.7 | 100632.1 | S |
| 74.808 | 0.0000 | 0.0000 | 86.681 | 0.16866 | 0.00000 | 316523.1 | 177708.8 | 100632.1 | S |
| 74.817 | 0.0000 | 0.0000 | 86.681 | 0.16864 | 0.00000 | 316523.1 | 177713.8 | 100632.1 | S |
| 74.825 | 0.0000 | 0.0000 | 86.681 | 0.16861 | 0.00000 | 316523.1 | 177718.9 | 100632.1 | S |
| 74.833 | 0.0000 | 0.0000 | 86.680 | 0.16859 | 0.00000 | 316523.1 | 177723.9 | 100632.1 | S |
| 74.842 | 0.0000 | 0.0000 | 86.680 | 0.16856 | 0.00000 | 316523.1 | 177729.0 | 100632.1 | S |
| 74.850 | 0.0000 | 0.0000 | 86.680 | 0.16854 | 0.00000 | 316523.1 | 177734.0 | 100632.1 | S |
| 74.858 | 0.0000 | 0.0000 | 86.680 | 0.16852 | 0.00000 | 316523.1 | 177739.1 | 100632.1 | S |
| 74.867 | 0.0000 | 0.0000 | 86.679 | 0.16849 | 0.00000 | 316523.1 | 177744.2 | 100632.1 | S |
| 74.875 | 0.0000 | 0.0000 | 86.679 | 0.16847 | 0.00000 | 316523.1 | 177749.2 | 100632.1 | S |
| 74.883 | 0.0000 | 0.0000 | 86.679 | 0.16844 | 0.00000 | 316523.1 | 177754.3 | 100632.1 | S |
| 74.892 | 0.0000 | 0.0000 | 86.678 | 0.16842 | 0.00000 | 316523.1 | 177759.3 | 100632.1 | S |
| 74.900 | 0.0000 | 0.0000 | 86.678 | 0.16840 | 0.00000 | 316523.1 | 177764.4 | 100632.1 | S |
| 74.908 | 0.0000 | 0.0000 | 86.678 | 0.16837 | 0.00000 | 316523.1 | 177769.4 | 100632.1 | S |
| 74.917 | 0.0000 | 0.0000 | 86.678 | 0.16835 | 0.00000 | 316523.1 | 177774.5 | 100632.1 | S |
| 74.925 | 0.0000 | 0.0000 | 86.677 | 0.16832 | 0.00000 | 316523.1 | 177779.5 | 100632.1 | S |
| 74.933 | 0.0000 | 0.0000 | 86.677 | 0.16830 | 0.00000 | 316523.1 | 177784.6 | 100632.1 | S |
| 74.942 | 0.0000 | 0.0000 | 86.677 | 0.16828 | 0.00000 | 316523.1 | 177789.6 | 100632.1 | S |
| 74.950 | 0.0000 | 0.0000 | 86.677 | 0.16825 | 0.00000 | 316523.1 | 177794.7 | 100632.1 | S |
| 74.958 | 0.0000 | 0.0000 | 86.676 | 0.16823 | 0.00000 | 316523.1 | 177799.7 | 100632.1 | S |
| 74.967 | 0.0000 | 0.0000 | 86.676 | 0.16820 | 0.00000 | 316523.1 | 177804.8 | 100632.1 | S |
| 74.975 | 0.0000 | 0.0000 | 86.676 | 0.16818 | 0.00000 | 316523.1 | 177809.8 | 100632.1 | S |
| 74.983 | 0.0000 | 0.0000 | 86.675 | 0.16816 | 0.00000 | 316523.1 | 177814.9 | 100632.1 | S |
| 74.992 | 0.0000 | 0.0000 | 86.675 | 0.16813 | 0.00000 | 316523.1 | 177819.9 | 100632.1 | S |
| 75.000 | 0.0000 | 0.0000 | 86.675 | 0.16811 | 0.00000 | 316523.1 | 177824.9 | 100632.1 | S |
| 75.008 | 0.0000 | 0.0000 | 86.675 | 0.16809 | 0.00000 | 316523.1 | 177830.0 | 100632.1 | S |
| 75.017 | 0.0000 | 0.0000 | 86.674 | 0.76806 | 0.00000 | 316523.1 | 177835.0 | 100632.1 | S |
| 75.025 | 0.0000 | 0.0000 | 86.674 | 0.16804 | 0.00000 | 316523.1 | 177840.1 | 100632.1 | S |
| 75.033 | 0.0000 | 0.0000 | 86.674 | 0.16801 | 0.00000 | 316523.1 | 177845.1 | 100632.1 | S |
| 75.042 | 0.0000 | 0.0000 | 86.674 | 0.16799 | 0.00000 | 316523.1 | 177850.2 | 100632.1 | S |
| 75.050 | 0.0000 | 0.0000 | 86.673 | 0.16797 | 0.00000 | 316523.1 | 177855.2 | 100632.1 | S |
| 75.058 | 0.0000 | 0.0000 | 86.673 | 0.16794 | 0.00000 | 316523.1 | 177860.2 | 100632.1 | S |
| 75.067 | 0.0000 | 0.0000 | 86.673 | 0.16792 | 0.00000 | 316523.1 | 177865.3 | 100632.1 | S |
| 75.075 | 0.0000 | 0.0000 | 86.672 | 0.16789 | 0.00000 | 316523.1 | 177870.3 | 100632.1 | S |
| 75.083 | 0.0000 | 0.0000 | 86.672 | 0.16787 | 0.00000 | 316523.1 | 177875.3 | 100632.1 | S |
| 75.092 | 0.0000 | 0.0000 | 86.672 | 0.16785 | 0.00000 | 316523.1 | 177880.4 | 100632.1 | S |
| 75.100 | 0.0000 | 0.0000 | 86.672 | 0.16782 | 0.00000 | 316523.1 | 177885.4 | 100632.1 | S |
| 75.108 | 0.0000 | 0.0000 | 86.671 | 0.16780 | 0.00000 | 316523.1 | 177890.4 | 100632.1 | S |
| 75.117 | 0.0000 | 0.0000 | 86.671 | 0.16778 | 0.00000 | 316523.1 | 177895.5 | 100632.1 | S |
| 75.125 | 0.0000 | 0.0000 | 86.671 | 0.16775 | 0.00000 | 316523.1 | 177900.5 | 100632.1 | S |
| 75.133 | 0.0000 | 0.0000 | 86.671 | 0.16773 | 0.00000 | 316523.1 | 177905.5 | 100632.1 | S |
| 75.142 | 0.0000 | 0.0000 | 86.670 | 0.16770 | 0.00000 | 316523.1 | 177910.6 | 100632.1 | S |
| 75.150 | 0.0000 | 0.0000 | 86.670 | 0.16768 | 0.00000 | 316523.1 | 177915.6 | 100632.1 | S |
| 75.158 | 0.0000 | 0.0000 | 86.670 | 0.16766 | 0.00000 | 316523.1 | 177920.6 | 100632.1 | S |
| 75.167 | 0.0000 | 0.0000 | 86.669 | 0.16763 | 0.00000 | 316523.1 | 177925.7 | 100632.1 | S |
| 75.175 | 0.0000 | 0.0000 | 86.669 | 0.16761 | 0.00000 | 316523.1 | 177930.7 | 100632.1 | S |
| 75.183 | 0.0000 | 0.0000 | 86.669 | 0.16759 | 0.00000 | 316523.1 | 177935.7 | 100632.1 | S |
| 75.192 | 0.0000 | 0.0000 | 86.669 | 0.16756 | 0.00000 | 316523.1 | 177940.8 | 100632.1 | S |
| 75.200 | 0.0000 | 0.0000 | 86.668 | 0.16754 | 0.00000 | 316523.1 | 177945.8 | 100632.1 | S |
| 75.208 | 0.0000 | 0.0000 | 86.668 | 0.16751 | 0.00000 | 316523.1 | 177950.8 | 100632.1 | S |
| 75.217 | 0.0000 | 0.0000 | 86.668 | 0.16749 | 0.00000 | 316523.1 | 177955.8 | 100632.1 | S |
| 75.225 | 0.0000 | 0.0000 | 86.668 | 0.16747 | 0.00000 | 316523.1 | 177960.8 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
$\because$ Scenario $1::$ pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Infiow Rate (ft3/s) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overfow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ff}^{3}$ ) | Cumulative Discharge Volume ( $\left(\mathrm{t}^{3}\right)$ | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 75.233 | 0.0000 | 0.0000 | 86.667 | 0.16744 | 0.00000 | 316523.1 | 177965.9 | 100632.1 | S |
| 75.242 | 0.0000 | 0.0000 | 86.667 | 0.16742 | 0.00000 | 316523.1 | \$77970.9 | 100632.1 | S |
| 75.250 | 0.0000 | 0.0000 | 86.667 | 0.16740 | 0.00000 | 316523.1 | 177975.9 | 100632.1 | S |
| 75.258 | 0.0000 | 0.0000 | 86.666 | 0.16737 | 0.00000 | 316523.1 | 177980.9 | 100632.1 | S |
| 75.267 | 0.0000 | 0.0000 | 86.666 | 0.16735 | 0.00000 | 316523.1 | 177986.0 | 100632.1 | S |
| 75.275 | 0.0000 | 0.0000 | 86.666 | 0.16732 | 0.00000 | 316523.1 | 177991.0 | 100632.1 | S |
| 75.283 | 0.0000 | 0.0000 | 86.666 | 0.16730 | 0.00000 | 316523.1 | 177996.0 | 100632.1 | S |
| 75.292 | 0.0000 | 0.0000 | 86.665 | 0.16728 | 0.00000 | 316523.1 | 178001.0 | 100632.1 | S |
| 75.300 | 0.0000 | 0.0000 | 86.665 | 0.16725 | 0.00000 | 316523.1 | 178006.0 | 100632.1 | S |
| 75.308 | 0.0000 | 0.0000 | 86.665 | 0.16723 | 0.00000 | 316523.1 | 178011.0 | 100632.1 | S |
| 75.317 | 0.0000 | 0.0000 | 86.665 | 0.16721 | 0.00000 | 316523.1 | 178016.1 | 100632.1 | S |
| 75.325 | 0.0000 | 0.0000 | 86.664 | 0.16718 | 0.00000 | 316523.1 | 178021.1 | 100632.1 | S |
| 75.333 | 0.0000 | 0.0000 | 86.664 | 0.16716 | 0.00000 | 316523.1 | 178026.1 | 100632.1 | S |
| 75.342 | 0.0000 | 0.0000 | 86.664 | 0.16713 | 0.00000 | 316523.1 | 178031.1 | 100632.1 | S |
| 75.350 | 0.0000 | 0.0000 | 86.663 | 0.16711 | 0.00000 | 316523.1 | 178036.1 | 100632.1 | S |
| 75.358 | 0.0000 | 0.0000 | 86.663 | 0.16709 | 0.00000 | 316523.1 | 178041.1 | 100632.1 | S |
| 75.367 | 0.0000 | 0.0000 | 86.663 | 0.16706 | 0.00000 | 316523.1 | 178046.2 | 100632.1 | S |
| 75.375 | 0.0000 | 0.0000 | 86.663 | 0.16704 | 0.00000 | 316523.1 | 178051.2 | 100632.1 | S |
| 75.383 | 0.0000 | 0.0000 | 86.662 | 0.16702 | 0.00000 | 316523.1 | 178056.2 | 100632.1 | S |
| 75.392 | 0.0000 | 0.0000 | 86.662 | 0.16699 | 0.00000 | 316523.1 | 178061.2 | 100632.1 | S |
| 75.400 | 0.0000 | 0.0000 | 86.662 | 0.16697 | 0.00000 | 316523.1 | 178066.2 | 100632.1 | S |
| 75.408 | 0.0000 | 0.0000 | 86.662 | 0.16695 | 0.00000 | 316523.1 | 178071.2 | 100632.1 | S |
| 75.417 | 0.0000 | 0.0000 | 86.661 | 0.16692 | 0.00000 | 316523.1 | 178076.2 | 100632.1 | S |
| 75.425 | 0.0000 | 0.0000 | 86.661 | 0.16690 | 0.00000 | 316523.1 | 178081.2 | 100632.1 | S |
| 75.433 | 0.0000 | 0.0000 | 86.661 | 0.16687 | 0.00000 | 316523.1 | 178086.2 | 100632.1 | S |
| 75.442 | 0.0000 | 0.0000 | 86.660 | 0.16685 | 0.00000 | 316523.1 | 178091.2 | 100632.1 | S |
| 75.450 | 0.0000 | 0.0000 | 86.660 | 0.16683 | 0.00000 | 316523.1 | 178096.2 | 100632.1 | S |
| 75.458 | 0.0000 | 0.0000 | 86.660 | 0.16680 | 0.00000 | 316523.1 | 178101.3 | 100632.1 | S |
| 75.467 | 0.0000 | 0.0000 | 86.660 | 0.16678 | 0.00000 | 316523.1 | 178106.3 | 100632.1 | S |
| 75.475 | 0.0000 | 0.0000 | 86.659 | 0.16676 | 0.00000 | 316523.1 | 178111.3 | 100632.1 | S |
| 75.483 | 0.0000 | 0.0000 | 86.659 | 0.16673 | 0.00000 | 316523.1 | 178116.3 | 100632.1 | S |
| 75.492 | 0.0000 | 0.0000 | 86.659 | 0.16671 | 0.00000 | 316523.1 | 178121.3 | 100632.1 | S |
| 75.500 | 0.0000 | 0.0000 | 86.659 | 0.16669 | 0.00000 | 316523.1 | 178126.3 | 100632.1 | S |
| 75.508 | 0.0000 | 0.0000 | 86.658 | 0.16666 | 0.00000 | 316523.1 | 178131.3 | 100632.1 | S |
| 75.517 | 0.0000 | 0.0000 | 86.658 | 0.16664 | 0.00000 | 316523.1 | 178136.3 | 100632.1 | S |
| 75.525 | 0.0000 | 0.0000 | 86.658 | 0.16662 | 0.00000 | 316523.1 | 178141.3 | 100632.1 | S |
| 75.533 | 0.0000 | 0.0000 | 86.657 | 0.16659 | 0.00000 | 316523.1 | 178146.3 | 100632.1 | S |
| 75.542 | 0.0000 | 0.0000 | 86.657 | 0.16657 | 0.00000 | 316523.1 | 178151.3 | 100632.1 | S |
| 75.550 | 0.0000 | 0.0000 | 86.657 | 0.16655 | 0.00000 | 316523.1 | 178156.3 | 100632.1 | S |
| 75.558 | 0.0000 | 0.0000 | 86.657 | 0.16652 | 0.00000 | 316523.1 | 178161.3 | 100632.1 | S |
| 75.567 | 0.0000 | 0.0000 | 86.656 | 0.16650 | 0.00000 | 316523.1 | 178166.2 | 100632.1 | S |
| 75.575 | 0.0000 | 0.0000 | 86.656 | 0.16647 | 0.00000 | 316523.1 | 178171.2 | 100632.1 | S |
| 75.583 | 0.0000 | 0.0000 | 86.656 | 0.16645 | 0.00000 | 316523.1 | 178176.2 | 100632.1 | S |
| 75.592 | 0.0000 | 0.0000 | 86.656 | 0.16643 | 0.00000 | 316523.1 | 178181.2 | 100632.1 | S |
| 75.600 | 0.0000 | 0.0000 | 86.655 | 0.16640 | 0.00000 | 316523.1 | 178186.2 | 100632.1 | S |
| 75.608 | 0.0000 | 0.0000 | 86.655 | 0.16638 | 0.00000 | 316523.1 | 178191.2 | 100632.1 | S |
| 75.617 | 0.0000 | 0.0000 | 86.655 | 0.16636 | 0.00000 | 316523.1 | 178196.2 | 100632.1 | S |
| 75.625 | 0.0000 | 0.0000 | 86.654 | 0.16633 | 0.00000 | 316523.1 | 178201.2 | 100632.1 | S |
| 75.633 | 0.0000 | 0.0000 | 86.654 | 0.16631 | 0.00000 | 316523.1 | 178206.2 | 100632.1 | S |
| 75.642 | 0.0000 | 0.0000 | 86.654 | 0.16629 | 0.00000 | 316523.1 | 178211.2 | 100632.1 | S |
| 75.650 | 0.0000 | 0.0000 | 86.654 | 0.16626 | 0.00000 | 316523.1 | 178216.2 | 100632.1 | S |
| 75.658 | 0.0000 | 0.0000 | 86.653 | 0.16624 | 0.00000 | 316523.1 | 178221.1 | 100632.1 | S |
| 75.667 | 0.0000 | 0.0000 | 86.653 | 0.16622 | 0.00000 | 316523.1 | 178226.1 | 100632.1 | S |
| 75.675 | 0.0000 | 0.0000 | 86.653 | 0.16619 | 0.00000 | 316523.1 | 178231.1 | 100632.1 | S |
| 75.683 | 0.0000 | 0.0000 | 86.653 | 0.16617 | 0.00000 | 316523.1 | 178236.1 | 100632.1 | S |
| 75.692 | 0.0000 | 0.0000 | 86.652 | 0.16615 | 0.00000 | 316523.1 | 178241.1 | 100632.1 | S |
| 75.700 | 0.0000 | 0.0000 | 86.652 | 0.16612 | 0.00000 | 316523.1 | 178246.1 | 100632.1 | S |
| 75.708 | 0.0000 | 0.0000 | 86.652 | 0.16610 | 0.00000 | 316523.1 | 178251.0 | 100632.1 | S |
| 75.717 | 0.0000 | 0.0000 | 86.651 | 0.16608 | 0.00000 | 316523.1 | 178256.0 | 100632.1 | S |
| 75.725 | 0.0000 | 0.0000 | 86.651 | 0.16605 | 0.00000 | 316523.1 | 178261.0 | 100632.1 | S |
| 75.733 | 0.0000 | 0.0000 | 86.651 | 0.16603 | 0.00000 | 316523.1 | 178266.0 | 100632.1 | S |
| 75.742 | 0.0000 | 0.0000 | 86.651 | 0.16601 | 0.00000 | 316523.1 | 178271.0 | 100632.1 | S |
| 75.750 | 0.0000 | 0.0000 | 86.650 | 0.16598 | 0.00000 | 316523.1 | 178276.0 | 100632.1 | S |
| 75.758 | 0.0000 | 0.0000 | 86.650 | 0.16596 | 0.00000 | 316523.1 | 178280.9 | 100632.1 | S |
| 75.767 | 0.0000 | 0.0000 | 86.650 | 0.16594 | 0.00000 | 316523.1 | 178285.9 | 100632.1 | S |
| 75.775 | 0.0000 | 0.0000 | 86.650 | 0.16591 | 0.00000 | 316523.1 | 178290.9 | 100632.1 | S |
| 75.783 | 0.0000 | 0.0000 | 86.649 | 0.16589 | 0.00000 | 316523.1 | 178295.9 | 100632.1 | S |
| 75.792 | 0.0000 | 0.0000 | 86.649 | 0.16587 | 0.00000 | 316523.1 | 178300.8 | 100632.1 | S |
| 75.800 | 0.0000 | 0.0000 | 86.649 | 0.16584 | 0.00000 | 316523.1 | 178305.8 | 100632.1 | S |
| 75.808 | 0.0000 | 0.0000 | 86.649 | 0.16582 | 0.00000 | 316523.1 | 178310.8 | 100632.1 | S |
| 75.817 | 0.0000 | 0.0000 | 86.648 | 0.16580 | 0.00000 | 316523.1 | 178315.8 | 100632.1 | S |
| 75.825 | 0.0000 | 0.0000 | 86.648 | 0.16577 | 0.00000 | 316523.1 | 178320.8 | 100632.1 | S |
| 75.833 | 0.0000 | 0.0000 | 86.648 | 0.16575 | 0.00000 | 316523.1 | 178325.7 | 100632.1 | S |
| 75.842 | 0.0000 | 0.0000 | 86.647 | 0.16573 | 0.00000 | 316523.1 | 178330.7 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) $::$ Scenario $1::$ pond10 100 yr $/ 24$ Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}{ }^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{t}^{3}$ ) | Cumulative Infilitration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t} \mathrm{t}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 75.850 | 0.0000 | 0.0000 | 86.647 | 0.16570 | 0.00000 | 316523.1 | 178335.7 | 100632.1 | S |
| 75.858 | 0.0000 | 0.0000 | 86.647 | 0.16568 | 0.00000 | 316523.1 | 178340.6 | 100632.1 | S |
| 75.867 | 0.0000 | 0.0000 | 86.647 | 0.16566 | 0.00000 | 316523.1 | 178345.6 | 100632.1 | S |
| 75.875 | 0.0000 | 0.0000 | 86.646 | 0.16563 | 0.00000 | 316523.1 | 178350.6 | 100632.1 | S |
| 75.883 | 0.0000 | 0.0000 | 86.646 | 0.16561 | 0.00000 | 316523.1 | 178355.5 | 100632.1 | S |
| 75.892 | 0.0000 | 0.0000 | 86.646 | 0.16559 | 0.00000 | 316523.1 | 178360.5 | 100632.1 | S |
| 75.900 | 0.0000 | 0.0000 | 86.646 | 0.16556 | 0.00000 | 316523.1 | 178365.5 | 100632.1 | S |
| 75.908 | 0.0000 | 0.0000 | 86.645 | 0.16554 | 0.00000 | 316523.1 | 178370.4 | 100632.1 | S |
| 75.917 | 0.0000 | 0.0000 | 86.645 | 0.16552 | 0.00000 | 316523.1 | 178375.4 | 100632.1 | S |
| 75.925 | 0,0000 | 0.0000 | 86.645 | 0.16549 | 0.00000 | 316523.1 | 178380.4 | 100632.1 | S |
| 75.933 | 0.0000 | 0.0000 | 86.644 | 0.16547 | 0.00000 | 316523.1 | 178385.3 | 100632.1 | S |
| 75.942 | 0.0000 | 0.0000 | 86.644 | 0.16545 | 0.00000 | 316523.1 | 178390.3 | 100632.1 | S |
| 75.950 | 0.0000 | 0.0000 | 86.644 | 0.16542 | 0.00000 | 316523.1 | 178395.3 | 100632.1 | S |
| 75.958 | 0.0000 | 0.0000 | 86.644 | 0.16540 | 0.00000 | 316523.1 | 178400.2 | 100632.1 | S |
| 75.967 | 0.0000 | 0.0000 | 86.643 | 0.16538 | 0.00000 | 316523.1 | 178405.2 | 100632.1 | S |
| 75.975 | 0.0000 | 0.0000 | 86.643 | 0.16535 | 0.00000 | 316523.1 | 178410.1 | 100632.1 | S |
| 75.983 | 0.0000 | 0.0000 | 86.643 | 0.16533 | 0.00000 | 316523.1 | 178415.1 | 100632.1 | S |
| 75.992 | 0.0000 | 0.0000 | 86.643 | 0.16531 | 0.00000 | 316523.1 | 178420.1 | 100632.1 | S |
| 76.000 | 0.0000 | 0.0000 | 86.642 | 0.16528 | 0.00000 | 316523.1 | 178425.0 | 100632.1 | S |
| 76.008 | 0.0000 | 0.0000 | 86.642 | 0.16526 | 0.00000 | 316523.1 | 178430.0 | 100632.1 | S |
| 76.017 | 0.0000 | 0.0000 | 86.642 | 0.16524 | 0.00000 | 316523.1 | 178434.9 | 100632.1 | S |
| 76.025 | 0.0000 | 0.0000 | 86.641 | 0.16521 | 0.00000 | 316523.1 | 178439.9 | 100632.1 | S |
| 76.033 | 0.0000 | 0.0000 | 86.641 | 0.16519 | 0.00000 | 316523.1 | 178444.9 | 100632.1 | S |
| 76.042 | 0.0000 | 0.0000 | 86.641 | 0.16517 | 0.00000 | 316523.1 | 178449.8 | 100632.1 | S |
| 76.050 | 0.0000 | 0.0000 | 86.641 | 0.16514 | 0.00000 | 316523.1 | 178454.8 | 100632.1 | S |
| 76.058 | 0.0000 | 0.0000 | 86.640 | 0.16512 | 0.00000 | 316523.1 | 178459.7 | 100632.1 | S |
| 76.067 | 0.0000 | 0.0000 | 86.640 | 0.16510 | 0.00000 | 316523.1 | 178464.7 | 100632.1 | S |
| 76.075 | 0.0000 | 0.0000 | 86.640 | 0.16507 | 0.00000 | 316523.1 | 178469.6 | 100632.1 | S |
| 76.083 | 0.0000 | 0.0000 | 86.640 | 0.16505 | 0.00000 | 316523.1 | 178474.6 | 100632.4 | S |
| 76.092 | 0.0000 | 0.0000 | 86.639 | 0.16503 | 0.00000 | 316523.1 | 178479.5 | 100632.1 | S |
| 76.100 | 0.0000 | 0.0000 | 86.639 | 0.16500 | 0.00000 | 316523.1 | 178484.5 | 100632.1 | S |
| 76.108 | 0.0000 | 0.0000 | 86.639 | 0.16498 | 0.00000 | 316523.1 | 178489.4 | 100632.1 | S |
| 76.117 | 0.0000 | 0.0000 | 86.639 | 0.16496 | 0.00000 | 316523.1 | 178494.4 | 100632.1 | S |
| 76.125 | 0.0000 | 0.0000 | 86.638 | 0.16494 | 0.00000 | 316523.1 | 178499.3 | 100632.1 | S |
| 76.133 | 0.0000 | 0.0000 | 86.638 | 0.16491 | 0.00000 | 316523.1 | 178504.3 | 100632.1 | S |
| 76.142 | 0.0000 | 0.0000 | 86.638 | 0.16489 | 0.00000 | 316523.1 | 178509.2 | 100632.1 | S |
| 76.150 | 0.0000 | 0.0000 | 86.637 | 0.16487 | 0.00000 | 316523.1 | 178514.2 | 100632.1 | S |
| 76.158 | 0.0000 | 0.0000 | 86.637 | 0.16484 | 0.00000 | 316523.1 | 178519.1 | 100632.1 | S |
| 76.167 | 0.0000 | 0.0000 | 86.637 | 0.16482 | 0.00000 | 316523.1 | 178524.1 | 100632.1 | S |
| 76.175 | 0.0000 | 0.0000 | 86.637 | 0.16480 | 0.00000 | 316523.1 | 178529.0 | 100632.1 | S |
| 76.183 | 0.0000 | 0.0000 | 86.636 | 0.16477 | 0.00000 | 316523.1 | 178533.9 | 100632.1 | S |
| 76.192 | 0.0000 | 0.0000 | 86.636 | 0.16475 | 0.00000 | 316523.1 | 178538.9 | 100632.1 | S |
| 76.200 | 0.0000 | 0.0000 | 86.636 | 0.16473 | 0.00000 | 316523.1 | 178543.8 | 100632.1 | S |
| 76.208 | 0.0000 | 0.0000 | 86.636 | 0.16470 | 0.00000 | 316523.1 | 178548.8 | 100632.1 | S |
| 76.217 | 0.0000 | 0.0000 | 86.635 | 0.16468 | 0.00000 | 316523.1 | 178553.7 | 100632.1 | S |
| 76.225 | 0.0000 | 0.0000 | 86.635 | 0.16466 | 0.00000 | 316523.1 | 178558.7 | 100632.1 | S |
| 76.233 | 0.0000 | 0.0000 | 86.635 | 0.16463 | 0.00000 | 316523.1 | 178563.6 | 100632.1 | S |
| 76.242 | 0.0000 | 0.0000 | 86.634 | 0.16461 | 0.00000 | 316523.1 | 178568.5 | 100632.1 | S |
| 76.250 | 0.0000 | 0.0000 | 86.634 | 0.16459 | 0.00000 | 316523.1 | 178573.5 | 100632.1 | S |
| 76.258 | 0.0000 | 0.0000 | 86.634 | 0.16457 | 0.00000 | 316523.1 | 178578.4 | 100632.1 | S |
| 76.267 | 0.0000 | 0.0000 | 86.634 | 0.16454 | 0.00000 | 316523.1 | 178583.3 | 100632.1 | S |
| 76.275 | 0.0000 | 0.0000 | 86.633 | 0.16452 | 0.00000 | 316523.1 | 178588.3 | 100632.1 | S |
| 76.283 | 0.0000 | 0.0000 | 86.633 | 0.16450 | 0.00000 | 316523.1 | 178593.2 | 100632.1 | S |
| 76.292 | 0.0000 | 0.0000 | 86.633 | 0.16447 | 0.00000 | 316523.1 | 178598.1 | 100632.1 | S |
| 76.300 | 0.0000 | 0.0000 | 86.633 | 0.16445 | 0.00000 | 316523.1 | 178603.1 | 100632.1 | S |
| 76.308 | 0.0000 | 0.0000 | 86.632 | 0.16443 | 0.00000 | 316523.1 | 178608.0 | 100632.1 | S |
| 76.317 | 0.0000 | 0.0000 | 86.632 | 0.16440 | 0.00000 | 316523.1 | 178613.0 | 100632.1 | S |
| 76.325 | 0.0000 | 0.0000 | 86.632 | 0.16438 | 0.00000 | 316523.1 | 178617.9 | 100632.1 | S |
| 76.333 | 0.0000 | 0.0000 | 86.632 | 0.16436 | 0.00000 | 316523.1 | 178622.8 | 100632.1 | S |
| 76.342 | 0.0000 | 0.0000 | 86.631 | 0.16434 | 0.00000 | 316523.1 | 178627.7 | 100632.1 | S |
| 76.350 | 0.0000 | 0.0000 | 86.631 | 0.16431 | 0.00000 | 316523.1 | 178632.7 | 100632.1 | S |
| 76.358 | 0.0000 | 0.0000 | 86.631 | 0.16429 | 0.00000 | 316523.1 | 178637.6 | 100632.1 | S |
| 76.367 | 0.0000 | 0.0000 | 86.630 | 0.16427 | 0.00000 | 316523.1 | 178642.5 | 100632.1 | S |
| 76.375 | 0.0000 | 0.0000 | 86.630 | 0.16424 | 0.00000 | 316523.1 | 178647.5 | 100632.1 | S |
| 76.383 | 0.0000 | 0.0000 | 86.630 | 0.16422 | 0.00000 | 316523.1 | 178652.4 | 100632.1 | S |
| 76.392 | 0.0000 | 0.0000 | 86.630 | 0.16420 | 0.00000 | 316523.1 | 178657.3 | 100632.1 | S |
| 76.400 | 0.0000 | 0.0000 | 86.629 | 0.16417 | 0.00000 | 316523.1 | 178662.2 | 100632.1 | S |
| 76.408 | 0.0000 | 0.0000 | 86.629 | 0.16415 | 0.00000 | 316523.1 | 178667.2 | 100632.1 | S |
| 76.417 | 0.0000 | 0.0000 | 86.629 | 0.16413 | 0.00000 | 316523.1 | 178672.1 | 100632.1 | S |
| 76.425 | 0.0000 | 0.0000 | 86.629 | 0.16411 | 0.00000 | 316523.1 | 178677.0 | 100632.1 | S |
| 76.433 | 0.0000 | 0.0000 | 86.628 | 0.16408 | 0.00000 | 316523.1 | 178681.9 | 100632.1 | S |
| 76.442 | 0.0000 | 0.0000 | 86.628 | 0.16406 | 0.00000 | 316523.1 | 178686.8 | 100632.1 | S |
| 76.450 | 0.0000 | 0.0000 | 86.628 | 0.16404 | 0.00000 | 316523.1 | 178691.8 | 100632.1 | S |
| 76.458 | 0.0000 | 0.0000 | 86.627 | 0.16401 | 0.00000 | 316523.1 | 178696.7 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate (ft/s) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overfiow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | $\begin{gathered} \text { Cumulative } \\ \text { Inflow } \\ \text { volume }\left(\mathrm{fl}^{3}\right) \end{gathered}$ | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 76.467 | 0.0000 | 0.0000 | 86.627 | 0.16399 | 0.00000 | $3\{6523.1$ | 178701.6 | 100632.1 | S |
| 76.475 | 0.0000 | 0.0000 | 86.627 | 0.16397 | 0.00000 | 316523.1 | 178706.5 | 100632.1 | S |
| 76.483 | 0.0000 | 0.0000 | 86.627 | 0.16394 | 0.00000 | 316523.1 | 178711.5 | 100632.1 | S |
| 76.492 | 0.0000 | 0.0000 | 86.626 | 0.16392 | 0.00000 | 316523.1 | 178716.4 | 100632.1 | S |
| 76.500 | 0.0000 | 0.0000 | 86.626 | 0.16390 | 0.00000 | 316523.1 | 178721.3 | 100632.1 | S |
| 76.508 | 0.0000 | 0.0000 | 86.626 | 0.16388 | 0.00000 | 316523.1 | 178726.2 | 100632.1 | S |
| 76.517 | 0.0000 | 0.0000 | 86.626 | 0.16385 | 0.00000 | 316523.1 | 178731.1 | 100632.1 | S |
| 76.525 | 0.0000 | 0.0000 | 86.625 | 0.16383 | 0.00000 | 316523.1 | 178736.0 | 100632.1 | S |
| 76.533 | 0.0000 | 0.0000 | 86.625 | 0.16381 | 0.00000 | 316523.1 | 178741.0 | 100632.1 | S |
| 76.542 | 0.0000 | 0.0000 | 86.625 | 0.16378 | 0.00000 | 316523.1 | 178745.9 | 100632.1 | S |
| 76.550 | 0.0000 | 0.0000 | 86.625 | 0.16376 | 0.00000 | 316523.1 | 178750.8 | 100632.1 | S |
| 76.558 | 0.0000 | 0.0000 | 86.624 | 0.16374 | 0.00000 | 316523.1 | 178755.7 | 100632.1 | S |
| 76.567 | 0.0000 | 0.0000 | 86.624 | 0.16372 | 0.00000 | 316523.1 | 178760.6 | 100632.1 | S |
| 76.575 | 0.0000 | 0.0000 | 86.624 | 0.16369 | 0.00000 | 316523.1 | 178765.5 | 100632.1 | S |
| 76.583 | 0.0000 | 0.0000 | 86.623 | 0.16367 | 0.00000 | 316523.1 | 178770.4 | 100632.1 | S |
| 76.592 | 0.0000 | 0.0000 | 86.623 | 0.16365 | 0.00000 | 316523.1 | 178775.3 | 100632.1 | S |
| 76.600 | 0.0000 | 0.0000 | 86.623 | 0.16362 | 0.00000 | 316523.1 | 178780.2 | 100632.1 | S |
| 76.608 | 0.0000 | 0.0000 | 86.623 | 0.16360 | 0.00000 | 316523.1 | 178785.2 | 100632.7 | S |
| 76.617 | 0.0000 | 0.0000 | 86.622 | 0.16358 | 0.00000 | 316523.1 | 178790.1 | 100632.1 | S |
| 76.625 | 0.0000 | 0.0000 | 86.622 | 0.16356 | 0.00000 | 316523.1 | 178795.0 | 100632.1 | S |
| 76.633 | 0.0000 | 0.0000 | 86.622 | 0.16353 | 0.00000 | 316523.1 | 178799.9 | 100632.1 | S |
| 76.642 | 0.0000 | 0.0000 | 86.622 | 0.16351 | 0.00000 | 316523.1 | 178804.8 | 100632.1 | S |
| 76.650 | 0.0000 | 0.0000 | 86.621 | 0.16349 | 0.00000 | 316523.1 | 178809.7 | 100632.1 | S |
| 76.658 | 0.0000 | 0.0000 | 86.621 | 0.16346 | 0.00000 | 316523.1 | 178814.6 | 100632.1 | S |
| 76.667 | 0.0000 | 0.0000 | 86.621 | 0.16344 | 0.00000 | 316523.1 | 178819.5 | 100632.1 | S |
| 76.675 | 0.0000 | 0.0000 | 86.621 | 0.16342 | 0.00000 | 316523.1 | 178824.4 | 100632.1 | S |
| 76.683 | 0.0000 | 0.0000 | 86.620 | 0.16340 | 0.00000 | 316523.1 | 178829.3 | 100632.1 | S |
| 76.692 | 0.0000 | 0.0000 | 86.620 | 0.16337 | 0.00000 | 316523.1 | 178834.2 | 100632.1 | S |
| 76.700 | 0.0000 | 0.0000 | 86.620 | 0.16335 | 0.00000 | 316523.1 | 178839.1 | 100632.1 | S |
| 76.708 | 0.0000 | 0.0000 | 86.619 | 0.16333 | 0.00000 | 316523.1 | 178844.0 | 100632.1 | S |
| 76.717 | 0.0000 | 0.0000 | 86.619 | 0.16331 | 0.00000 | 316523.1 | 178848.9 | 100632.1 | S |
| 76.725 | 0.0000 | 0.0000 | 86.619 | 0.16328 | 0.00000 | 316523.1 | 178853.8 | 100632.1 | S |
| 76.733 | 0.0000 | 0.0000 | 86.619 | 0.16326 | 0.00000 | 316523.1 | 178858.7 | 100632.1 | S |
| 76.742 | 0.0000 | 0.0000 | 86.618 | 0.16324 | 0.00000 | 316523.1 | 178863.6 | 100632.1 | S |
| 76.750 | 0.0000 | 0.0000 | 86.618 | 0.16321 | 0.00000 | 316523.1 | 178868.5 | 100632.1 | S |
| 76.758 | 0.0000 | 0.0000 | 86.618 | 0.16319 | 0.00000 | 316523.1 | 178873.4 | 100632.1 | S |
| 76.767 | 0.0000 | 0.0000 | 86.618 | 0.16317 | 0.00000 | 316523.1 | 178878.3 | 100632.1 | S |
| 76.775 | 0.0000 | 0.0000 | 86.617 | 0.16315 | 0.00000 | 316523.1 | 178883.2 | 100632.1 | S |
| 76.783 | 0.0000 | 0.0000 | 86.617 | 0.16312 | 0.00000 | 316523.1 | 178888.1 | 100632.1 | S |
| 76.792 | 0.0000 | 0.0000 | 86.617 | 0.16310 | 0.00000 | 316523.1 | 178893.0 | 100632.1 | S |
| 76.800 | 0.0000 | 0.0000 | 86.617 | 0.16308 | 0.00000 | 316523.1 | 178897.9 | 100632.1 | S |
| 76.808 | 0.0000 | 0.0000 | 86.616 | 0.16305 | 0.00000 | 316523.1 | 178902.8 | 100632.1 | S |
| 76.817 | 0.0000 | 0.0000 | 86.616 | 0.16303 | 0.00000 | 316523.1 | 178907.6 | 100632.1 | S |
| 76.825 | 0.0000 | 0.0000 | 86.616 | 0.16301 | 0.00000 | 316523.1 | 178912.5 | 100632.1 | S |
| 76.833 | 0.0000 | 0.0000 | 86.615 | 0.16299 | 0.00000 | 316523.1 | 178917.4 | 100632.1 | S |
| 76.842 | 0.0000 | 0.0000 | 86.615 | 0.16296 | 0.00000 | 316523.1 | 178922.3 | 100632.1 | S |
| 76.850 | 0.0000 | 0.0000 | 86.615 | 0.16294 | 0.00000 | 316523.1 | 178927.2 | 100632.1 | S |
| 76.858 | 0.0000 | 0.0000 | 86.615 | 0.16292 | 0.00000 | 316523.1 | 178932.1 | 100632.1 | S |
| 76.867 | 0.0000 | 0.0000 | 86.614 | 0.16290 | 0.00000 | 316523.1 | 178937.0 | 100632.1 | S |
| 76.875 | 0.0000 | 0.0000 | 86.614 | 0.16287 | 0.00000 | 316523.1 | 178941.9 | 100632.1 | S |
| 76.883 | 0.0000 | 0.0000 | 86.614 | 0.16285 | 0.00000 | 316523.1 | 178946.7 | 100632.1 | S |
| 76.892 | 0.0000 | 0.0000 | 86.614 | 0.16283 | 0.00000 | 316523.1 | 178951.6 | 100632.1 | S |
| 76.900 | 0.0000 | 0.0000 | 86.613 | 0.16281 | 0.00000 | 316523.1 | 178956.5 | 100632.1 | S |
| 76.908 | 0.0000 | 0.0000 | 86.613 | 0.16278 | 0.00000 | 316523.1 | 178961.4 | 100632.1 | S |
| 76.917 | 0.0000 | 0.0000 | 86.613 | 0.16276 | 0.00000 | 316523.1 | 178966.3 | 100632.1 | S |
| 76.925 | 0.0000 | 0.0000 | 86.612 | 0.16274 | 0.00000 | 316523.1 | 178971.2 | 100632.1 | S |
| 76.933 | 0.0000 | 0.0000 | 86.612 | 0.16271 | 0.00000 | 316523.1 | 178976.0 | 100632.1 | S |
| 76.942 | 0.0000 | 0.0000 | 86.612 | 0.16269 | 0.00000 | 316523.1 | 178980.9 | 100632.1 | S |
| 76.950 | 0.0000 | 0.0000 | 86.612 | 0.16267 | 0.00000 | 316523.1 | 178985.8 | 100632.1 | S |
| 76.958 | 0.0000 | 0.0000 | 86.611 | 0.16265 | 0.00000 | 316523.1 | 178990.7 | 100632.1 | S |
| 76.967 | 0.0000 | 0.0000 | 86.611 | 0.16262 | 0.00000 | 316523.1 | 178995.6 | 100632.1 | S |
| 76.975 | 0.0000 | 0.0000 | 86.611 | 0.16260 | 0.00000 | 316523.1 | 179000.4 | 100632.1 | S |
| 76.983 | 0.0000 | 0.0000 | 86.611 | 0.16258 | 0.00000 | 316523.1 | 179005.3 | 100632.1 | S |
| 76.992 | 0.0000 | 0.0000 | 86.610 | 0.16256 | 0.00000 | 316523.1 | 179010.2 | 100632.1 | S |
| 77.000 | 0.0000 | 0.0000 | 86.610 | 0.16253 | 0.00000 | 316523.1 | 179015.1 | 100632.1 | S |
| 77.008 | 0.0000 | 0.0000 | 86.610 | 0.16251 | 0.00000 | 316523.1 | 179020.0 | 100632.1 | S |
| 77.017 | 0.0000 | 0.0000 | 86.610 | 0.16249 | 0.00000 | 316523.1 | 179024.8 | 100632.1 | S |
| 77.025 | 0.0000 | 0.0000 | 86.609 | 0.16247 | 0.00000 | 316523.1 | 179029.7 | 100632.1 | S |
| 77.033 | 0.0000 | 0.0000 | 86.609 | 0.16244 | 0.00000 | 316523.1 | 179034.6 | 100632.1 | S |
| 77.042 | 0.0000 | 0.0000 | 86.609 | 0.16242 | 0.00000 | 316523.1 | 179039.4 | 100632.1 | S |
| 77.050 | 0.0000 | 0.0000 | 86.608 | 0.16240 | 0.00000 | 316523.1 | 179044.3 | 100632.1 | S |
| 77.058 | 0.0000 | 0.0000 | 86.608 | 0.16238 | 0.00000 | 316523.1 | 179049.2 | 100632.1 | S |
| 77.067 | 0.0000 | 0.0000 | 86.608 | 0.16235 | 0.00000 | 316523.1 | 179054.1 | 100632.1 | S |
| 77.075 | 0.0000 | 0.0000 | 86.608 | 0.16233 | 0.00000 | 316523.1 | 179058.9 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{fl}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative inflow <br> Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 77.083 | 0.0000 | 0.0000 | 86.607 | 0.16231 | 0.00000 | 316523.1 | 179063.8 | 100632.1 | S |
| 77.092 | 0.0000 | 0.0000 | 86.607 | 0.16229 | 0.00000 | 316523.1 | 179068.7 | 100632.1 | S |
| 77.100 | 0.0000 | 0.0000 | 86.607 | 0.16226 | 0.00000 | 316523.1 | 179073.5 | 100632.1 | S |
| 77.108 | 0.0000 | 0.0000 | 86.607 | 0.16224 | 0.00000 | 316523.1 | 179078.4 | 100632.1 | S |
| 77.117 | 0.0000 | 0.0000 | 86.606 | 0.16222 | 0.00000 | 316523.1 | 179083.3 | 100632.1 | S |
| 77.125 | 0.0000 | 0.0000 | 86.606 | 0.16220 | 0.00000 | 316523.1 | 179088.1 | 100632.1 | S |
| 77.133 | 0.0000 | 0.0000 | 86.606 | 0.16217 | 0.00000 | 316523.1 | 179093.0 | 100632.1 | S |
| 77.142 | 0.0000 | 0.0000 | 86.606 | 0.16215 | 0.00000 | 316523.1 | 179097.9 | 100632.1 | S |
| 77.150 | 0.0000 | 0.0000 | 86.605 | 0.16213 | 0.00000 | 316523.1 | 179102.7 | 100632.1 | S |
| 77.158 | 0.0000 | 0.0000 | 86.605 | 0.16211 | 0.00000 | 316523.1 | 179107.6 | 100632.1 | S |
| 77.167 | 0.0000 | 0.0000 | 86.605 | 0.16208 | 0.00000 | 316523.1 | 179112.5 | 100632.1 | S |
| 77.175 | 0.0000 | 0.0000 | 86.604 | 0.16206 | 0.00000 | 316523.1 | 179117.3 | 100632.1 | S |
| 77.183 | 0.0000 | 0.0000 | 86.604 | 0.16204 | 0.00000 | 316523.1 | 179122.2 | 100632.1 | S |
| 77.192 | 0.0000 | 0.0000 | 86.604 | 0.16202 | 0.00000 | 316523.1 | 179127.0 | 100632.1 | S |
| 77.200 | 0.0000 | 0.0000 | 86.604 | 0.16199 | 0.00000 | 316523.1 | 179131.9 | 100632.1 | S |
| 77.208 | 0.0000 | 0.0000 | 86.603 | 0.16197 | 0.00000 | 316523.1 | 179136.8 | 100632.1 | S |
| 77.217 | 0.0000 | 0.0000 | 86.603 | 0.16195 | 0.00000 | 316523.1 | 179141.6 | 100632.1 | S |
| 77.225 | 0.0000 | 0.0000 | 86.603 | 0.16193 | 0.00000 | 316523.1 | 179146.5 | 100632.1 | S |
| 77.233 | 0.0000 | 0.0000 | 86.603 | 0.16190 | 0.00000 | 316523.1 | 179151.3 | 100632.1 | S |
| 77.242 | 0.0000 | 0.0000 | 86.602 | 0.16188 | 0.00000 | 316523.1 | 179156.2 | 100632.7 | S |
| 77.250 | 0.0000 | 0.0000 | 86.602 | 0.16186 | 0.00000 | 316523.1 | 179161.0 | 100632.1 | S |
| 77.258 | 0.0000 | 0.0000 | 86.602 | 0.16184 | 0.00000 | 316523.1 | 179165.9 | 100632.1 | S |
| 77.267 | 0.0000 | 0.0000 | 86.602 | 0.16181 | 0.00000 | 316523.1 | 179170.8 | 100632.1 | S |
| 77.275 | 0.0000 | 0.0000 | 86.601 | 0.16179 | 0.00000 | 316523.1 | 179175.6 | 100632.1 | S |
| 77.283 | 0.0000 | 0.0000 | 86.601 | 0.16177 | 0.00000 | 316523.1 | 179180.5 | 100632.1 | S |
| 77.292 | 0.0000 | 0.0000 | 86.601 | 0.16175 | 0.00000 | 316523.1 | 179185.3 | 100632.1 | S |
| 77.300 | 0.0000 | 0.0000 | 86.600 | 0.16172 | 0.00000 | 316523.1 | 179190.2 | 100632.1 | S |
| 77.308 | 0.0000 | 0.0000 | 86.600 | 0.16170 | 0.00000 | 316523.1 | 179195.0 | 100632.1 | S |
| 77.317 | 0.0000 | 0.0000 | 86.600 | 0.16168 | 0.00000 | 316523.1 | 179199.9 | 100632.1 | S |
| 77.325 | 0.0000 | 0.0000 | 86.600 | 0.16166 | 0.00000 | 316523.1 | 179204.7 | 100632.1 | S |
| 77.333 | 0.0000 | 0.0000 | 86.599 | 0.16163 | 0.00000 | 316523.1 | 179209.6 | 100632.1 | S |
| 77.342 | 0.0000 | 0.0000 | 86.599 | 0.16161 | 0.00000 | 316523.1 | 179214.4 | 100632.1 | S |
| 77.350 | 0.0000 | 0.0000 | 86.599 | 0.16159 | 0.00000 | 316523.1 | 179219.3 | 100632.1 | S |
| 77.358 | 0.0000 | 0.0000 | 86.599 | 0.16157 | 0.00000 | 316523.1 | 179224.1 | 100632.7 | S |
| 77.367 | 0.0000 | 0.0000 | 86.598 | 0.16154 | 0.00000 | 316523.1 | 179229.0 | 100632.1 | S |
| 77.375 | 0.0000 | 0.0000 | 86.598 | 0.16152 | 0.00000 | 316523.1 | 179233.8 | 100632.1 | S |
| 77.383 | 0.0000 | 0.0000 | 86.598 | 0.16150 | 0.00000 | 316523.1 | 179238.7 | 100632.1 | S |
| 77.392 | 0.0000 | 0.0000 | 86.598 | 0.16148 | 0.00000 | 316523.1 | 179243.5 | 100632.1 | S |
| 77.400 | 0.0000 | 0.0000 | 86.597 | 0.16145 | 0.00000 | 316523.1 | 179248.3 | 100632.1 | S |
| 77.408 | 0.0000 | 0.0000 | 86.597 | 0.16143 | 0.00000 | 316523.1 | 179253.2 | 100632.1 | S |
| 77.417 | 0.0000 | 0.0000 | 86.597 | 0.16141 | 0.00000 | 316523.1 | 179258.0 | 100632.1 | S |
| 77.425 | 0.0000 | 0.0000 | 86.597 | 0.16139 | 0.00000 | 316523.1 | 179262.9 | 100632.1 | S |
| 77.433 | 0.0000 | 0.0000 | 86.596 | 0.16137 | 0.00000 | 316523.1 | 179267.7 | 100632.1 | S |
| 77.442 | 0.0000 | 0.0000 | 86.596 | 0.16134 | 0.00000 | 316523.1 | 179272.5 | 100632.1 | S |
| 77.450 | 0.0000 | 0.0000 | 86.596 | 0.16132 | 0.00000 | 316523.1 | 179277.4 | 100632.1 | S |
| 77.458 | 0.0000 | 0.0000 | 86.595 | 0.16130 | 0.00000 | 316523.1 | 179282.2 | 100632.1 | S |
| 77.467 | 0.0000 | 0.0000 | 86.595 | 0.16128 | 0.00000 | 316523.1 | 179287.1 | 100632.1 | S |
| 77.475 | 0.0000 | 0.0000 | 86.595 | 0.16125 | 0.00000 | 316523.1 | 179291.9 | 100632.1 | S |
| 77.483 | 0.0000 | 0.0000 | 86.595 | 0.16123 | 0.00000 | 316523.1 | 179296.8 | 100632.1 | S |
| 77.492 | 0.0000 | 0.0000 | 86.594 | 0.16121 | 0.00000 | 316523.1 | 179301.6 | 100632.1 | S |
| 77.500 | 0.0000 | 0.0000 | 86.594 | 0.16119 | 0.00000 | 316523.1 | 179306.4 | 100632.1 | S |
| 77.508 | 0.0000 | 0.0000 | 86.594 | 0.16116 | 0.00000 | 316523.1 | 179311.3 | 100632.1 | S |
| 77.517 | 0.0000 | 0.0000 | 86.594 | 0.16114 | 0.00000 | 316523.1 | 179316.1 | 100632.1 | S |
| 77.525 | 0.0000 | 0.0000 | 86.593 | 0.16112 | 0.00000 | 316523.1 | 179320.9 | 100632.1 | S |
| 77.533 | 0.0000 | 0.0000 | 86.593 | 0.16110 | 0.00000 | 316523.1 | 179325.8 | 100632.1 | S |
| 77.542 | 0.0000 | 0.0000 | 86.593 | 0.16108 | 0.00000 | 316523.1 | 179330.6 | 100632.1 | S |
| 77.550 | 0.0000 | 0.0000 | 86.593 | 0.16105 | 0.00000 | 316523.1 | 179335.4 | 100632.1 | S |
| 77.558 | 0.0000 | 0.0000 | 86.592 | 0.16103 | 0.00000 | 316523.1 | 179340.3 | 100632.1 | S |
| 77.567 | 0.0000 | 0.0000 | 86.592 | 0.16101 | 0.00000 | 316523.1 | 179345.1 | 100632.1 | S |
| 77.575 | 0.0000 | 0.0000 | 86.592 | 0.16099 | 0.00000 | 316523.1 | 179349.9 | 100632.1 | S |
| 77.583 | 0.0000 | 0.0000 | 86.591 | 0.16096 | 0.00000 | 316523.1 | 179354.7 | 100632.1 | S |
| 77.592 | 0.0000 | 0.0000 | 86.591 | 0.16094 | 0.00000 | 316523.1 | 179359.6 | 100632.1 | S |
| 77.600 | 0.0000 | 0.0000 | 86,591 | 0.16092 | 0.00000 | 316523.1 | 179364.4 | 100632.1 | S |
| 77.608 | 0.0000 | 0.0000 | 86,591 | 0.16090 | 0.00000 | 316523.1 | 179369.2 | 100632.1 | S |
| 77.617 | 0.0000 | 0.0000 | 86.590 | 0.16087 | 0.00000 | 316523.1 | 179374.0 | 100632.1 | S |
| 77.625 | 0.0000 | 0.0000 | 86.590 | 0.16085 | 0.00000 | 316523.1 | 179378.9 | 100632.1 | S |
| 77.633 | 0.0000 | 0.0000 | 86.590 | 0.16083 | 0.00000 | 316523.1 | 179383.7 | 100632.1 | S |
| 77.642 | 0.0000 | 0.0000 | 86.590 | 0.16081 | 0.00000 | 316523.1 | 179388.5 | 100632.1 | S |
| 77.650 | 0.0000 | 0.0000 | 86.589 | 0.16079 | 0.00000 | 316523.1 | 179393.3 | 100632.1 | S |
| 77.658 | 0.0000 | 0.0000 | 86.589 | 0.16076 | 0.00000 | 316523.1 | 179398.2 | 100632.1 | S |
| 77.667 | 0.0000 | 0.0000 | 86.589 | 0.16074 | 0.00000 | 316523.1 | 179403.0 | 100632.1 | S |
| 77.675 | 0.0000 | 0.0000 | 86.589 | 0.16072 | 0.00000 | 316523.1 | 179407.8 | 100632.1 | S |
| 77.683 | 0.0000 | 0.0000 | 86.588 | 0.16070 | 0.00000 | 316523.1 | 179412.6 | 100632.1 | S |
| 77.692 | 0.0000 | 0.0000 | 86.588 | 0.16067 | 0.00000 | 316523.1 | 179417.5 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow <br> Rate <br> ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (H datum) | Infiltration Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{H}^{3} / \mathrm{s}$ ) | $\begin{aligned} & \text { Cumulative } \\ & \text { Inflow } \\ & \text { volume }\left(\mathrm{f}^{3}\right) \end{aligned}$ | Cumulative In Elltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 77.700 | 0.0000 | 0.0000 | 86.588 | 0.16065 | 0.00000 | 316523.1 | 179422.3 | 100632.1 | S |
| 77.708 | 0.0000 | 0.0000 | 86.587 | 0.16063 | 0.00000 | 316523.1 | 179427.1 | 100632.1 | S |
| 77.717 | 0.0000 | 0.0000 | 86.587 | 0.16061 | 0.00000 | 316523.1 | 179431.9 | 100632.1 | S |
| 77.725 | 0.0000 | 0.0000 | 86.587 | 0.16059 | 0.00000 | 316523.1 | 179436.7 | 100632.1 | S |
| 77.733 | 0.0000 | 0.0000 | 86.587 | 0.16056 | 0.00000 | 316523.1 | 179441.5 | 100632.1 | S |
| 77.742 | 0.0000 | 0.0000 | 86.586 | 0.16054 | 0.00000 | 316523.1 | 179446.4 | 100632.1 | S |
| 77.750 | 0.0000 | 0.0000 | 86.586 | 0.16052 | 0.00000 | 316523.1 | 179451.2 | 100632.1 | 5 |
| 77.758 | 0.0000 | 0.0000 | 86.586 | 0.16050 | 0.00000 | 316523.1 | 179456.0 | 100632.1 | S |
| 77.767 | 0.0000 | 0.0000 | 86.586 | 0.16048 | 0.00000 | 316523.1 | 179460.8 | 100632.1 | S |
| 77.775 | 0.0000 | 0.0000 | 86.585 | 0.16045 | 0.00000 | 316523.1 | 179465.6 | 100632.1 | S |
| 77.783 | 0.0000 | 0.0000 | 86.585 | 0.16043 | 0.00000 | 316523.1 | 179470.4 | 100632.1 | S |
| 77.792 | 0.0000 | 0.0000 | 86.585 | 0.16041 | 0.00000 | 316523.1 | 179475.3 | 100632.1 | S |
| 77.800 | 0.0000 | 0.0000 | 86.585 | 0.16039 | 0.00000 | 316523.1 | 179480.1 | 100632.1 | S |
| 77.808 | 0.0000 | 0.0000 | 86.584 | 0.16036 | 0.00000 | 316523.1 | 179484.9 | 100632.1 | S |
| 77.817 | 0.0000 | 0.0000 | 86.584 | 0.16034 | 0.00000 | 316523.1 | 179489.7 | 100632.1 | S |
| 77.825 | 0.0000 | 0.0000 | 86.584 | 0.16032 | 0.00000 | 316523.1 | 179494.5 | 100632.1 | S |
| 77.833 | 0.0000 | 0.0000 | 86.584 | 0.16030 | 0.00000 | 316523.1 | 179499.3 | 100632.1 | S |
| 77.842 | 0.0000 | 0.0000 | 86.583 | 0.16028 | 0.00000 | 316523.1 | 179504.1 | 100632.1 | S |
| 77.850 | 0.0000 | 0.0000 | 86.583 | 0.16025 | 0.00000 | 316523.1 | 179508.9 | 100632.1 | S |
| 77.858 | 0.0000 | 0.0000 | 86.583 | 0.16023 | 0.00000 | 316523.1 | 179513.7 | 100632.1 | S |
| 77.867 | 0.0000 | 0.0000 | 86.582 | 0.16021 | 0.00000 | 316523.1 | 179518.5 | 100632.1 | S |
| 77.875 | 0.0000 | 0.0000 | 86.582 | 0.16019 | 0.00000 | 316523.1 | 179523.3 | 100632.1 | S |
| 77.883 | 0.0000 | 0.0000 | 86.582 | 0.16017 | 0.00000 | 316523.1 | 179528.2 | 100632.1 | S |
| 77.892 | 0.0000 | 0.0000 | 86.582 | 0.16014 | 0.00000 | 316523.1 | 179533.0 | 100632.1 | S |
| 77.900 | 0.0000 | 0.0000 | 86.581 | 0.16012 | 0.00000 | 316523.1 | 179537.8 | 100632.1 | S |
| 77.908 | 0.0000 | 0.0000 | 86.581 | 0.16010 | 0.00000 | 316523.1 | 179542.6 | 100632.1 | S |
| 77.917 | 0.0000 | 0.0000 | 86.581 | 0.16008 | 0.00000 | 316523.1 | 179547.4 | 100632.1 | S |
| 77.925 | 0.0000 | 0.0000 | 86.581 | 0.16006 | 0.00000 | 316523.1 | 179552.2 | 100632.1 | S |
| 77.933 | 0.0000 | 0.0000 | 86.580 | 0.16003 | 0.00000 | 316523.1 | 179557.0 | 100632.1 | S |
| 77.942 | 0.0000 | 0.0000 | 86.580 | 0.16001 | 0.00000 | 316523.1 | 179561.8 | 100632.1 | S |
| 77.950 | 0.0000 | 0.0000 | 86.580 | 0.15999 | 0.00000 | 316523.1 | 179566.6 | 100632.1 | S |
| 77.958 | 0,0000 | 0.0000 | 86.580 | 0.15997 | 0.00000 | 316523.1 | 179571.4 | 100632.1 | S |
| 77.967 | 0.0000 | 0.0000 | 86.579 | 0.15995 | 0.00000 | 316523.1 | 179576.2 | 100632.1 | S |
| 77.975 | 0.0000 | 0.0000 | 86.579 | 0.15992 | 0.00000 | 316523.1 | 179581.0 | 100632.1 | S |
| 77.983 | 0.0000 | 0.0000 | 86.579 | 0.15990 | 0.00000 | 316523.1 | 179585.8 | 100632.1 | S |
| 77.992 | 0.0000 | 0.0000 | 86.579 | 0.15988 | 0.00000 | 316523.1 | 179590.6 | 100632.1 | S |
| 78.000 | 0.0000 | 0.0000 | 86.578 | 0.15986 | 0.00000 | 316523.1 | 179595.4 | 100632.1 | S |
| 78.008 | 0.0000 | 0.0000 | 86.578 | 0.15984 | 0.00000 | 316523.1 | 179600.2 | 100632.1 | S |
| 78.017 | 0.0000 | 0.0000 | 86.578 | 0.15981 | 0.00000 | 316523.1 | 179604.9 | 100632.1 | S |
| 78.025 | 0.0000 | 0.0000 | 86.577 | 0.15979 | 0.00000 | 316523.1 | 179609.7 | 100632.1 | S |
| 78.033 | 0.0000 | 0.0000 | 86.577 | 0.15977 | 0.00000 | 316523.1 | 179614.5 | 100632.1 | S |
| 78.042 | 0.0000 | 0.0000 | 86.577 | 0.15975 | 0.00000 | 316523.1 | 179619.3 | 100632.1 | S |
| 78.050 | 0.0000 | 0.0000 | 86.577 | 0.15973 | 0.00000 | 316523.1 | 179624.1 | 100632.1 | S |
| 78.058 | 0.0000 | 0.0000 | 86.576 | 0.15970 | 0.00000 | 316523.1 | 179628.9 | 100632.1 | S |
| 78.067 | 0.0000 | 0.0000 | 86.576 | 0.15968 | 0.00000 | 316523.1 | 179633.7 | 100632.1 | S |
| 78.075 | 0.0000 | 0.0000 | 86.576 | 0.15966 | 0.00000 | 316523.1 | 179638.5 | 100632.1 | S |
| 78.083 | 0.0000 | 0.0000 | 86.576 | 0.15964 | 0.00000 | 316523.1 | 179643.3 | 100632.1 | S |
| 78.092 | 0.0000 | 0.0000 | 86.575 | 0.15962 | 0.00000 | 316523.1 | 179648.1 | 100632.1 | S |
| 78.100 | 0.0000 | 0.0000 | 86.575 | 0.15959 | 0.00000 | 316523.1 | 179652.9 | 100632.1 | S |
| 78.108 | 0.0000 | 0.0000 | 86.575 | 0.15957 | 0.00000 | 316523.1 | 179657.6 | 100632.1 | S |
| 78.117 | 0.0000 | 0.0000 | 86.575 | 0.15955 | 0.00000 | 316523.1 | 179662.4 | 100632.1 | S |
| 78.125 | 0.0000 | 0.0000 | 86.574 | 0.15953 | 0.00000 | 316523.1 | 179667.2 | 100632.1 | S |
| 78.133 | 0.0000 | 0.0000 | 86.574 | 0.15951 | 0.00000 | 316523.1 | 179672.0 | 100632.1 | 5 |
| 78.142 | 0.0000 | 0.0000 | 86.574 | 0.15948 | 0.00000 | 316523.1 | 179676.8 | 100632.1 | S |
| 78.150 | 0.0000 | 0.0000 | 86.573 | 0.15946 | 0.00000 | 316523.1 | 179681.6 | 100632.1 | S |
| 78.158 | 0.0000 | 0.0000 | 86.573 | 0.15944 | 0.00000 | 318523.1 | 179686.4 | 100632.1 | S |
| 78.167 | 0.0000 | 0.0000 | 86.573 | 0.15942 | 0.00000 | 316523.1 | 179691.1 | 100632.1 | S |
| 78.175 | 0.0000 | 0.0000 | 86.573 | 0.15940 | 0.00000 | 316523.1 | 179695.9 | 100632.1 | S |
| 78.183 | 0.0000 | 0.0000 | 86.572 | 0.15937 | 0.00000 | 316523.1 | 179700.7 | 100632.7 | S |
| 78.192 | 0.0000 | 0.0000 | 86.572 | 0.15935 | 0.00000 | 316523.1 | 179705.5 | 100632.1 | S |
| 78.200 | 0.0000 | 0.0000 | 86.572 | 0.15933 | 0.00000 | 316523.1 | 179710.3 | 100632.1 | S |
| 78.208 | 0.0000 | 0.0000 | 86.572 | 0.15931 | 0.00000 | 316523.1 | 179715.0 | 100632.1 | S |
| 78.217 | 0.0000 | 0.0000 | 86.571 | 0.15929 | 0.00000 | 316523.1 | 179719.8 | 100632.1 | S |
| 78.225 | 0.0000 | 0.0000 | 86.571 | 0.15926 | 0.00000 | 316523.1 | 179724.6 | 100632.1 | S |
| 78.233 | 0.0000 | 0.0000 | 86.571 | 0.15924 | 0.00000 | 316523.1 | 179729.4 | 100632.1 | S |
| 78.242 | 0.0000 | 0.0000 | 86.571 | 0.15922 | 0.00000 | 316523.1 | 179734.2 | 100632.1 | S |
| 78.250 | 0.0000 | 0.0000 | 86.570 | 0.15920 | 0.00000 | 316523.1 | 179738.9 | 100632.1 | S |
| 78.258 | 0.0000 | 0.0000 | 86.570 | 0.15918 | 0.00000 | 316523.1 | 179743.7 | 100632.1 | S |
| 78.267 | 0.0000 | 0.0000 | 86.570 | 0.15916 | 0.00000 | 316523.1 | 179748.5 | 100632.1 | S |
| 78.275 | 0.0000 | 0.0000 | 86.570 | 0.15913 | 0.00000 | 316523.1 | 179753.3 | 100632.1 | S |
| 78.283 | 0.0000 | 0.0000 | 86.569 | 0.15911 | 0.00000 | 316523.1 | 179758.0 | 100632.1 | S |
| 78.292 | 0.0000 | 0.0000 | 86.569 | 0.15909 | 0.00000 | 316523.1 | 179762.8 | 100632.1 | S |
| 78.300 | 0.0000 | 0.0000 | 86.569 | 0.15907 | 0.00000 | 316523.1 | 179767.6 | 100632.1 | S |
| 78.308 | 0.0000 | 0.0000 | 86.569 | 0.15905 | 0.00000 | 316523.1 | 179772.3 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / 3} \mathrm{~s}$ ) | Overlow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | $\begin{aligned} & \text { Cumulative } \\ & \text { Inflow } \\ & \text { Volume }\left(\mathrm{ft}^{3}\right) \end{aligned}$ | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 78.317 | 0.0000 | 0.0000 | 86.568 | 0.15902 | 0.00000 | 316523.1 | 179777.1 | 100632.1 | S |
| 78.325 | 0.0000 | 0.0000 | 86.568 | 0.15900 | 0.00000 | 316523.1 | 179781.9 | 100632.1 | S |
| 78.333 | 0.0000 | 0.0000 | 86.568 | 0.15898 | 0.00000 | 316523.1 | 179786.7 | 100632.1 | S |
| 78.342 | 0.0000 | 0.0000 | 86.567 | 0.15896 | 0.00000 | 316523.1 | 179791.4 | 100632.1 | S |
| 78.350 | 0.0000 | 0.0000 | 86.567 | 0.15894 | 0.00000 | 316523.1 | 179796.2 | 100632.1 | S |
| 78.358 | 0.0000 | 0.0000 | 86.567 | 0.15892 | 0.00000 | 316523.1 | 179801.0 | 100632.1 | S |
| 78.367 | 0.0000 | 0.0000 | 86.567 | 0.15889 | 0.00000 | 316523.1 | 179805.7 | 100632.1 | S |
| 78.375 | 0.0000 | 0.0000 | 86.566 | 0.15887 | 0.00000 | 316523.1 | 179810.5 | 100632.1 | S |
| 78.383 | 0.0000 | 0.0000 | 86.566 | 0.15885 | 0.00000 | 316523.1 | 179815.3 | 100632.1 | S |
| 78.392 | 0.0000 | 0.0000 | 86.566 | 0.15883 | 0.00000 | 316523.1 | 179820.0 | 100632.1 | S |
| 78.400 | 0.0000 | 0.0000 | 86.566 | 0.15881 | 0.00000 | 316523.1 | 179824.8 | 100632.1 | S |
| 78.408 | 0.0000 | 0.0000 | 86.565 | 0.15878 | 0.00000 | 316523.1 | 179829.6 | 100632.1 | S |
| 78.417 | 0.0000 | 0.0000 | 86.565 | 0.15876 | 0.00000 | 316523.1 | 179834.3 | 100632.1 | S |
| 78.425 | 0.0000 | 0.0000 | 86.565 | 0.15874 | 0.00000 | $3 \uparrow 6523.1$ | 179839.1 | 100632.1 | S |
| 78.433 | 0.0000 | 0.0000 | 86.565 | 0.15872 | 0.00000 | 316523.1 | 179843.8 | 100632.1 | S |
| 78.442 | 0.0000 | 0.0000 | 86.564 | 0.15870 | 0.00000 | 316523.1 | 179848.6 | 100632.1 | S |
| 78.450 | 0.0000 | 0.0000 | 86.564 | 0.15868 | 0.00000 | 316523.1 | 179853.4 | 100632.1 | S |
| 78.458 | 0.0000 | 0.0000 | 86.564 | 0.15865 | 0.00000 | 316523.1 | 179858.1 | 100632.1 | S |
| 78.467 | 0.0000 | 0.0000 | 86.564 | 0.15863 | 0.00000 | 316523.1 | 179862.9 | 100632.1 | S |
| 78.475 | 0.0000 | 0.0000 | 86.563 | 0.15861 | 0.00000 | 316523.1 | 179867.6 | 100632.4 | S |
| 78.483 | 0.0000 | 0.0000 | 86.563 | 0.15859 | 0.00000 | 316523.1 | 179872.4 | 100632.1 | S |
| 78.492 | 0.0000 | 0.0000 | 86.563 | 0.15857 | 0.00000 | 316523.1 | 179877.2 | 100632.1 | S |
| 78.500 | 0.0000 | 0.0000 | 86.562 | 0.15855 | 0.00000 | 316523.1 | 179881.9 | 100632.1 | S |
| 78.508 | 0.0000 | 0.0000 | 86.562 | 0.15852 | 0.00000 | 316523.1 | 179886.7 | 100632.1 | S |
| 78.517 | 0.0000 | 0.0000 | 86.562 | 0.15850 | 0.00000 | 316523.1 | 179891.4 | 100632.1 | S |
| 78.525 | 0.0000 | 0.0000 | 86.562 | 0.15848 | 0.00000 | 316523.1 | 179896.2 | 100632.1 | S |
| 78.533 | 0.0000 | 0.0000 | 86.561 | 0.15846 | 0.00000 | 316523.1 | 179900.9 | 100632.1 | S |
| 78.542 | 0.0000 | 0.0000 | 86.561 | 0.15844 | 0.00000 | 316523.1 | 179905.7 | 100632.1 | S |
| 78.550 | 0.0000 | 0.0000 | 86.561 | 0.15842 | 0.00000 | 316523.1 | 179910.4 | 100632.1 | S |
| 78.558 | 0.0000 | 0.0000 | 86.561 | 0.15839 | 0.00000 | 316523.1 | 179915.2 | 100632.1 | S |
| 78.567 | 0.0000 | 0.0000 | 86.560 | 0.15837 | 0.00000 | 316523.1 | 179919.9 | 100632.1 | S |
| 78.575 | 0.0000 | 0.0000 | 86.560 | 0.15835 | 0.00000 | 316523.1 | 179924.7 | 100632.1 | S |
| 78.583 | 0.0000 | 0.0000 | 86.560 | 0.15833 | 0.00000 | 316523.1 | 179929.5 | 100632.1 | S |
| 78.592 | 0.0000 | 0.0000 | 86.560 | 0.15831 | 0.00000 | 316523.1 | 179934.2 | 100632.1 | S |
| 78.600 | 0.0000 | 0.0000 | 86.559 | 0.15829 | 0.00000 | 316523.1 | 179938.9 | 100632. 7 | S |
| 78.608 | 0.0000 | 0.0000 | 86.559 | 0.15826 | 0.00000 | 316523.1 | 179943.7 | 100632.1 | S |
| 78.617 | 0.0000 | 0.0000 | 86.559 | 0.15824 | 0.00000 | 316523.1 | 179948.4 | 100632.1 | S |
| 78.625 | 0.0000 | 0.0000 | 86.559 | 0.15822 | 0.00000 | 316523.1 | 179953.2 | 100632.1 | S |
| 78.633 | 0.0000 | 0.0000 | 86.558 | 0.15820 | 0.00000 | 316523.1 | 179957.9 | 100632.1 | S |
| 78.642 | 0.0000 | 0.0000 | 86.558 | 0.15818 | 0.00000 | 316523.1 | 179962.7 | 100632.1 | S |
| 78.650 | 0.0000 | 0.0000 | 86.558 | 0.15816 | 0.00000 | 316523.1 | 179967.4 | 100632.1 | S |
| 78.658 | 0.0000 | 0.0000 | 86.557 | 0.15813 | 0.00000 | 316523.1 | 179972.2 | 100632.1 | S |
| 78.667 | 0.0000 | 0.0000 | 86.557 | 0.15811 | 0.00000 | 316523.1 | 179976.9 | 100632.1 | S |
| 78.675 | 0.0000 | 0.0000 | 86.557 | 0.15809 | 0.00000 | 316523.1 | 179981.7 | 100632.1 | S |
| 78.683 | 0.0000 | 0.0000 | 86.557 | 0.15807 | 0.00000 | 316523.1 | 179986.4 | 100632.1 | S |
| 78.692 | 0.0000 | 0.0000 | 86.556 | 0.15805 | 0.00000 | 316523.1 | 179991.1 | 100632.1 | S |
| 78.700 | 0.0000 | 0.0000 | 86.556 | 0.15803 | 0.00000 | 316523.1 | 179995.9 | 100632.1 | S |
| 78.708 | 0.0000 | 0.0000 | 86.556 | 0.15800 | 0.00000 | 316523.1 | 180000.6 | 100632.1 | S |
| 78.717 | 0.0000 | 0.0000 | 86.556 | 0.15798 | 0.00000 | 316523.1 | 180005.4 | 100632.1 | S |
| 78.725 | 0.0000 | 0.0000 | 86.555 | 0.15796 | 0.00000 | 316523.1 | 180010.1 | 100632.1 | S |
| 78.733 | 0.0000 | 0.0000 | 86.555 | 0.15794 | 0.00000 | 316523.1 | 180014.8 | 100632.1 | S |
| 78.742 | 0.0000 | 0.0000 | 86.555 | 0.15792 | 0.00000 | 316523.1 | 180019.6 | 100632.1 | S |
| 78.750 | 0.0000 | 0.0000 | 86.555 | 0.15790 | 0.00000 | 316523.1 | 180024.3 | 100632.1 | S |
| 78.758 | 0.0000 | 0.0000 | 86.554 | 0.15787 | 0.00000 | 316523.1 | 180029.0 | 100632.1 | S |
| 78.767 | 0.0000 | 0.0000 | 86.554 | 0.15785 | 0.00000 | 316523.1 | 180033.8 | 100632.1 | S |
| 78.775 | 0.0000 | 0.0000 | 86.554 | 0.15783 | 0.00000 | 316523.1 | 180038.5 | 100632.1 | S |
| 78.783 | 0.0000 | 0.0000 | 86.554 | 0.15781 | 0.00000 | 316523.1 | 180043.3 | 100632.1 | S |
| 78.792 | 0.0000 | 0.0000 | 86.553 | 0.15779 | 0.00000 | 316523.1 | 180048.0 | 100632.1 | S |
| 78.800 | 0.0000 | 0.0000 | 86.553 | 0.15777 | 0.00000 | 316523.1 | 180052.7 | 100632.1 | S |
| 78.808 | 0.0000 | 0.0000 | 86.553 | 0.15775 | 0.00000 | 316523.1 | 180057.5 | 100632.1 | S |
| 78.817 | 0.0000 | 0.0000 | 86.553 | 0.15772 | 0.00000 | 316523.1 | 180062.2 | 100632.1 | S |
| 78.825 | 0.0000 | 0.0000 | 86.552 | 0.15770 | 0.00000 | 316523.1 | 180066.9 | 100632.1 | S |
| 78.833 | 0.0000 | 0.0000 | 86.552 | 0.15768 | 0.00000 | 316523.1 | 180071.7 | 100632.1 | S |
| 78.842 | 0.0000 | 0.0000 | 86.552 | 0.15766 | 0.00000 | 316523.1 | 180076.4 | 100632.1 | S |
| 78.850 | 0.0000 | 0.0000 | 86.551 | 0.15764 | 0.00000 | 316523.1 | 180081.1 | 100632.1 | S |
| 78.858 | 0.0000 | 0.0000 | 86.551 | 0.15762 | 0.00000 | 316523.1 | 180085.8 | 100632.1 | S |
| 78.867 | 0.0000 | 0.0000 | 86.551 | 0.15759 | 0.00000 | 316523.1 | 180090.6 | 100632.1 | S |
| 78.875 | 0.0000 | 0.0000 | 86.551 | 0.15757 | 0.00000 | 316523.1 | 180095.3 | 100632.1 | S |
| 78.883 | 0.0000 | 0.0000 | 86.550 | 0.15755 | 0.00000 | 316523.1 | 180100.0 | 100632.1 | S |
| 78.892 | 0.0000 | 0.0000 | 86.550 | 0.15753 | 0.00000 | 316523.1 | 180104.8 | 100632.1 | S |
| 78.900 | 0.0000 | 0.0000 | 86.550 | 0.15751 | 0.00000 | 316523.1 | 180109.5 | 100632.1 | S |
| 78.908 | 0.0000 | 0.0000 | 86.550 | 0.15749 | 0.00000 | 316523.1 | 180114.2 | 100632.1 | S |
| 78.917 | 0.0000 | 0.0000 | 86.549 | 0.15747 | 0.00000 | 316523.1 | $\ddagger 80118.9$ | 100632.1 | S |
| 78.925 | 0.0000 | 0.0000 | 86.549 | 0.15744 | 0.00000 | 316523.1 | 180123.6 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.

Detailed Results (cont, d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infittration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge (fishs) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 78.933 | 0.0000 | 0.0000 | 86.549 | 0.15742 | 0.00000 | 316523.1 | 180128.4 | 100632.1 | S |
| 78.942 | 0.0000 | 0.0000 | 86.549 | 0.15740 | 0.00000 | 316523.1 | 180133.1 | 100632.1 | S |
| 78.950 | 0.0000 | 0.0000 | 86.548 | 0.15738 | 0.00000 | 316523.1 | 180137.8 | 100632.1 | S |
| 78.958 | 0.0000 | 0.0000 | 86.548 | 0.15736 | 0.00000 | 316523.1 | 180142.5 | 100632.1 | S |
| 78.967 | 0.0000 | 0.0000 | 86.548 | 0.15734 | 0.00000 | 316523.1 | 180147.3 | 100632.1 | S |
| 78.975 | 0.0000 | 0.0000 | 86.548 | 0.15732 | 0.00000 | 316523.1 | 180152.0 | 100632.1 | S |
| 78.983 | 0.0000 | 0.0000 | 86.547 | 0.15729 | 0.00000 | 316523.1 | 180156.7 | 100632.1 | S |
| 78.992 | 0.0000 | 0.0000 | 86.547 | 0.15727 | 0.00000 | 316523.1 | 180161.4 | 100632.1 | S |
| 79.000 | 0.0000 | 0.0000 | 86.547 | 0.15725 | 0.00000 | 316523.1 | 180166.1 | 100632.1 | S |
| 79.008 | 0.0000 | 0.0000 | 86.546 | 0.15723 | 0.00000 | 316523.1 | 180170.8 | 100632.1 | S |
| 79.017 | 0.0000 | 0.0000 | 86.546 | 0.15721 | 0.00000 | 316523.1 | 180175.6 | 100632.1 | S |
| 79.025 | 0.0000 | 0.0000 | 86.546 | 0.15719 | 0.00000 | 316523.1 | 180180.3 | 100632.1 | S |
| 79.033 | 0.0000 | 0.0000 | 86.546 | 0.15717 | 0.00000 | 316523.1 | 180185.0 | 100632.1 | S |
| 79.042 | 0.0000 | 0.0000 | 86.545 | 0.15714 | 0.00000 | 316523.1 | 180189.7 | 100632.7 | S |
| 79.050 | 0.0000 | 0.0000 | 86.545 | 0.15712 | 0.00000 | 316523.1 | 180194.4 | 100632.1 | S |
| 79.058 | 0.0000 | 0.0000 | 86.545 | 0.15710 | 0.00000 | 316523.1 | 180199.1 | 100632.5 | S |
| 79.067 | 0.0000 | 0.0000 | 86.545 | 0.15708 | 0.00000 | 316523.1 | 180203.8 | 100632.1 | S |
| 79.075 | 0.0000 | 0.0000 | 86.544 | 0.15706 | 0.00000 | 316523.1 | 180208.6 | 100632.1 | S |
| 79.083 | 0.0000 | 0.0000 | 86.544 | 0.15704 | 0.00000 | 316523.1 | 180213.3 | 100632.1 | S |
| 79.092 | 0.0000 | 0.0000 | 86.544 | 0.15702 | 0.00000 | 316523.1 | 180218.0 | 100632.1 | S |
| 79.100 | 0.0000 | 0.0000 | 86.544 | 0.15699 | 0.00000 | 316523.1 | 180222.7 | 100632.1 | S |
| 79.108 | 0.0000 | 0.0000 | 86.543 | 0.15697 | 0.00000 | 316523.1 | 180227.4 | 100632.1 | S |
| 79.117 | 0.0000 | 0.0000 | 86.543 | 0.15695 | 0.00000 | 316523.1 | 180232.1 | 100632.1 | S |
| 79.125 | 0.0000 | 0.0000 | 86.543 | 0.15693 | 0.00000 | 316523.1 | 180236.8 | 100632.1 | S |
| 79.133 | 0.0000 | 0.0000 | 86.543 | 0.15691 | 0.00000 | 316523.1 | 180241.5 | 100632.1 | S |
| 79.142 | 0.0000 | 0.0000 | 86.542 | 0.15689 | 0.00000 | 316523.1 | 180246.2 | 100632.1 | S |
| 79.150 | 0.0000 | 0.0000 | 86.542 | 0.15687 | 0.00000 | 316523.1 | 180250.9 | 100632.1 | S |
| 79,158 | 0.0000 | 0.0000 | 86.542 | 0.15685 | 0.00000 | 316523.1 | 180255.6 | 100632.1 | S |
| 79.167 | 0.0000 | 0.0000 | 86.542 | 0.15682 | 0.00000 | 316523.1 | 180260.3 | 100632.1 | S |
| 79,175 | 0.0000 | 0.0000 | 86.541 | 0.15680 | 0.00000 | 316523.1 | 180265.1 | 100632.1 | S |
| 79,183 | 0.0000 | 0.0000 | 86.541 | 0.15678 | 0.00000 | 316523.1 | 180269.8 | 100632.1 | S |
| 79.192 | 0.0000 | 0.0000 | 86.541 | 0.15676 | 0.00000 | 316523.1 | 180274.5 | 100632.1 | S |
| 79.200 | 0.0000 | 0.0000 | 86.541 | 0.15674 | 0.00000 | 316523.1 | 180279.2 | 100632.1 | S |
| 79.208 | 0.0000 | 0.0000 | 86.540 | 0.15672 | 0.00000 | 316523.1 | 180283.9 | 100632.1 | S |
| 79.217 | 0.0000 | 0.0000 | 86.540 | 0.15670 | 0.00000 | 316523.1 | 180288.6 | 100632.1 | S |
| 79.225 | 0.0000 | 0.0000 | 86.540 | 0.15667 | 0.00000 | 316523.1 | 180293.3 | 100632.1 | S |
| 79.233 | 0.0000 | 0.0000 | 86,539 | 0.15665 | 0.00000 | 316523.1 | 180298.0 | 100632.1 | S |
| 79.242 | 0.0000 | 0.0000 | 86.538 | 0.15663 | 0.00000 | 316523.1 | 180302.7 | 100632.1 | S |
| 79.250 | 0.0000 | 0.0000 | 86.539 | 0.15661 | 0.00000 | 316523.1 | 180307.4 | 100632.1 | S |
| 79.258 | 0.0000 | 0.0000 | 86.539 | 0.15659 | 0.00000 | 316523.1 | 180312.1 | 100632.1 | S |
| 79.267 | 0.0000 | 0.0000 | 86.538 | 0.15657 | 0.00000 | 316523.1 | 180316.8 | 100632.1 | S |
| 79.275 | 0.0000 | 0.0000 | 86.538 | 0.15655 | 0.00000 | 316523.1 | 180321.5 | 100632.1 | S |
| 79.283 | 0.0000 | 0.0000 | 86.538 | 0.15653 | 0.00000 | 316523.1 | 180326.2 | 100632.1 | S |
| 79.292 | 0.0000 | 0.0000 | 86.538 | 0.15650 | 0.00000 | 316523.1 | 180330.8 | 100632.1 | S |
| 79.300 | 0.0000 | 0.0000 | 86.537 | 0.15648 | 0.00000 | 316523.1 | 180335.5 | 100632.1 | S |
| 79.308 | 0.0000 | 0.0000 | 86.537 | 0.15646 | 0.00000 | 316523.1 | 180340.2 | 100632.1 | S |
| 79.317 | 0.0000 | 0.0000 | 86.537 | 0.15644 | 0.00000 | 316523.1 | 180344.9 | 100632.1 | S |
| 79.325 | 0.0000 | 0.0000 | 86.537 | 0.15642 | 0.00000 | 316523.1 | 180349.6 | 100632.1 | S |
| 79.333 | 0.0000 | 0.0000 | 86.536 | 0.15640 | 0.00000 | 316523.1 | 180354.3 | 100632.1 | S |
| 79.342 | 0.0000 | 0.0000 | 86.536 | 0.15638 | 0.00000 | 316523.1 | 180359.0 | 100632.1 | S |
| 79.350 | 0.0000 | 0.0000 | 86.536 | 0.15636 | 0.00000 | 316523.1 | 180363.7 | 100632.1 | S |
| 79.358 | 0.0000 | 0.0000 | 86.536 | 0.15633 | 0.00000 | 316523.1 | 180368.4 | 100632.1 | S |
| 79.367 | 0.0000 | 0.0000 | 86.535 | 0.15631 | 0.00000 | 316523.1 | 180373.1 | 100632.1 | S |
| 79.375 | 0.0000 | 0.0000 | 86.535 | 0.15629 | 0.00000 | 316523.1 | 180377.8 | 100632.1 | S |
| 79.383 | 0.0000 | 0.0000 | 86.535 | 0.15627 | 0.00000 | 316523.1 | 180382.5 | 100632.1 | S |
| 79.392 | 0.0000 | 0.0000 | 86.535 | 0.15625 | 0.00000 | 316523.1 | 180387.1 | 100632.1 | S |
| 79.400 | 0.0000 | 0.0000 | 86.534 | 0.15623 | 0.00000 | 316523.1 | 180391.8 | 100632.1 | S |
| 79.408 | 0.0000 | 0.0000 | 86.534 | 0.15621 | 0.00000 | 316523.1 | 180396.5 | 100632.1 | S |
| 79.417 | 0.0000 | 0.0000 | 86.534 | 0.15619 | 0.00000 | 316523.1 | 180401.2 | 100632.1 | S |
| 79.425 | 0.0000 | 0.0000 | 86.533 | 0.15616 | 0.00000 | 316523.1 | 180405.9 | 100632.1 | S |
| 79.433 | 0.0000 | 0.0000 | 86.533 | 0.15614 | 0.00000 | 316523.1 | 180410.6 | 100632.1 | S |
| 79.442 | 0.0000 | 0.0000 | 86.533 | 0.15612 | 0.00000 | 316523.1 | 180415.3 | 100632.1 | S |
| 79.450 | 0.0000 | 0.0000 | 86.533 | 0.15610 | 0.00000 | 316523.1 | 180419.9 | $\ddagger 00632.1$ | S |
| 79.458 | 0.0000 | 0.0000 | 86.532 | 0.15608 | 0.00000 | 316523.1 | 180424.6 | 100632.1 | S |
| 79.467 | 0.0000 | 0.0000 | 86.532 | 0.15606 | 0.00000 | 316523.1 | 180429.3 | 100632.1 | S |
| 79.475 | 0.0000 | 0.0000 | 86.532 | 0.15604 | 0.00000 | 316523.1 | 180434.0 | 100632.1 | S |
| 79.483 | 0.0000 | 0.0000 | 86.532 | 0.15602 | 0.00000 | 316523.1 | 180438.7 | 100632.1 | S |
| 79.492 | 0.0000 | 0.0000 | 86.531 | 0.15600 | 0.00000 | 316523.1 | 180443.3 | 100632.1 | S |
| 79.500 | 0.0000 | 0.0000 | 86.531 | 0.15597 | 0.00000 | 316523.1 | 180448.0 | 100632.1 | S |
| 79.508 | 0.0000 | 0.0000 | 86.531 | 0.15595 | 0.00000 | 316523.1 | 180452.7 | 100632.1 | S |
| 79.517 | 0.0000 | 0.0000 | 86.531 | 0.15593 | 0.00000 | 316523.1 | 180457.4 | 100632.1 | S |
| 79.525 | 0.0000 | 0.0000 | 86.530 | 0.15591 | 0.00000 | 316523.1 | 180462.1 | 100632.1 | S |
| 79.533 | 0.0000 | 0.0000 | 86.530 | 0.15589 | 0.00000 | 316523.1 | 180466.7 | 100632.1 | S |
| 79.542 | 0.0000 | 0.0000 | 86.530 | 0.15587 | 0.00000 | 316523.1 | 180471.4 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | inflow Rate (ft ${ }^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation ( ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overlow Discharge ( $\mathrm{ft}^{1} / \mathrm{s}$ ) | $\begin{gathered} \text { Cumulative } \\ \text { Inflow } \\ \text { volume }\left(\mathrm{ft}^{3}\right) \end{gathered}$ | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 79.550 | 0.0000 | 0.0000 | 86.530 | 0.15585 | 0.00000 | 316523.1 | 180476.1 | 100632.1 | S |
| 79.558 | 0.0000 | 0.0000 | 86.529 | 0.15583 | 0.00000 | 316523.1 | 180480.8 | 100632.1 | S |
| 79.567 | 0.0000 | 0.0000 | 86.529 | 0.15580 | 0.00000 | 316523.1 | 180485.4 | 100632.1 | S |
| 79.575 | 0.0000 | 0.0000 | 86.529 | 0.15578 | 0.00000 | 316523.1 | 180490.1 | 100632.1 | S |
| 79.583 | 0.0000 | 0.0000 | 86.529 | 0.15576 | 0.00000 | 316523.1 | 180494.8 | 100632.1 | S |
| 79.592 | 0.0000 | 0.0000 | 86.528 | 0.15574 | 0.00000 | 316523.1 | 180499.5 | 100632.1 | S |
| 79.600 | 0.0000 | 0.0000 | 86.528 | 0.15572 | 0.00000 | 316523.1 | 180504.1 | 100632.1 | S |
| 79.608 | 0.0000 | 0.0000 | 86.528 | 0.15570 | 0.00000 | 316523.1 | 180508.8 | 100632.1 | S |
| 79.617 | 0.0000 | 0.0000 | 86.528 | 0.15568 | 0.00000 | 316523.1 | 180513.5 | 100632.1 | S |
| 79.625 | 0.0000 | 0.0000 | 86.527 | 0.15566 | 0.00000 | 316523.1 | 180518.1 | 100632.1 | S |
| 79.633 | 0.0000 | 0.0000 | 86.527 | 0.15564 | 0.00000 | 316523.1 | 180522.8 | 100632.1 | S |
| 79.642 | 0.0000 | 0.0000 | 86.527 | 0.15561 | 0.00000 | 316523.1 | 180527.5 | 100632.1 | S |
| 79.650 | 0.0000 | 0.0000 | 86.526 | 0.15559 | 0.00000 | 316523.1 | 180532.2 | 100632.1 | S |
| 79.658 | 0.0000 | 0.0000 | 86.526 | 0.15557 | 0.00000 | 316523.1 | 180536.8 | 100632.1 | S |
| 79.667 | 0.0000 | 0.0000 | 86.526 | 0.15555 | 0.00000 | 316523.1 | 180541.5 | 100632.1 | S |
| 79.675 | 0.0000 | 0.0000 | 86.526 | 0.15553 | 0.00000 | 316523.1 | 180546.2 | 100632.1 | S |
| 79.683 | 0.0000 | 0.0000 | 86.525 | 0.15551 | 0.00000 | 316523.1 | 180550.8 | 100632.1 | S |
| 79.692 | 0.0000 | 0.0000 | 86.525 | 0.15549 | 0.00000 | 316523.1 | 180555.5 | 100632.1 | S |
| 79.700 | 0.0000 | 0.0000 | 86.525 | 0.15547 | 0.00000 | 316523.1 | 180560.1 | 100632.1 | S |
| 79.708 | 0.0000 | 0.0000 | 86.525 | 0.15545 | 0.00000 | 316523.1 | 180564.8 | 100632.1 | S |
| 79.717 | 0.0000 | 0.0000 | 86.524 | 0.15543 | 0.00000 | 316523.1 | 180569.5 | 100632.1 | S |
| 79.725 | 0.0000 | 0.0000 | 86.524 | 0.15540 | 0.00000 | 316523.1 | 180574.1 | 100632.1 | S |
| 79.733 | 0.0000 | 0.0000 | 86.524 | 0.15538 | 0.00000 | 316523.1 | 180578.8 | 100632.1 | S |
| 79.742 | 0.0000 | 0.0000 | 86.524 | 0.15536 | 0.00000 | 316523.1 | 180583.5 | 100632.1 | S |
| 79.750 | 0.0000 | 0.0000 | 86.523 | 0.15534 | 0.00000 | 316523.1 | 180588.1 | 100632.1 | S |
| 79.758 | 0.0000 | 0.0000 | 86.523 | 0.15532 | 0.00000 | 316523.1 | 180592.8 | 100632.1 | S |
| 79.767 | 0.0000 | 0.0000 | 86.523 | 0.15530 | 0.00000 | 316523.1 | 180597.4 | 100632.1 | S |
| 79.775 | 0.0000 | 0.0000 | 86.523 | 0.15528 | 0.00000 | 316523.1 | 180602.1 | 100632.1 | S |
| 79.783 | 0.0000 | 0.0000 | 86.522 | 0.15526 | 0.00000 | 316523.1 | 180606.8 | 100632.1 | S |
| 79.792 | 0.0000 | 0.0000 | 86.522 | 0.15524 | 0.00000 | 316523.1 | 180611.4 | 100632.1 | S |
| 79.800 | 0.0000 | 0.0000 | 86.522 | 0.15522 | 0.00000 | 316523.1 | 180616.1 | 100632.1 | S |
| 79.808 | 0.0000 | 0.0000 | 86.522 | 0.15519 | 0.00000 | 316523.1 | 180620.7 | 100632.1 | S |
| 79.817 | 0.0000 | 0.0000 | 86.521 | 0.15517 | 0.00000 | 316523.1 | 180625.4 | 100632.1 | S |
| 79.825 | 0.0000 | 0.0000 | 86.521 | 0.15515 | 0.00000 | 316523.1 | 180630.0 | 100632.1 | S |
| 79.833 | 0.0000 | 0.0000 | 86.521 | 0.15513 | 0.00000 | 316523.1 | 180634.7 | 100632.1 | S |
| 79.842 | 0.0000 | 0.0000 | 86.521 | 0.15511 | 0.00000 | 316523.1 | 180639.3 | 100632.1 | S |
| 79.850 | 0.0000 | 0.0000 | 86.520 | 0.15509 | 0.00000 | 316523.1 | 180644.0 | 100632.1 | S |
| 79.858 | 0.0000 | 0.0000 | 86.520 | 0.15507 | 0.00000 | 316523.1 | 180648.7 | 100632.1 | S |
| 79.867 | 0.0000 | 0.0000 | 86.520 | 0.15505 | 0.00000 | 316523.1 | 180653.3 | 100632.1 | S |
| 79.875 | 0.0000 | 0.0000 | 86.519 | 0.15503 | 0.00000 | 316523.1 | 180658.0 | 100632.1 | S |
| 79.883 | 0.0000 | 0.0000 | 86.519 | 0.15501 | 0.00000 | 316523.1 | 180662.6 | 100632.1 | S |
| 79.892 | 0.0000 | 0.0000 | 86.519 | 0.15498 | 0.00000 | 316523.1 | 180667.3 | 100632.1 | S |
| 79.900 | 0.0000 | 0.0000 | 86.519 | 0.15496 | 0.00000 | 316523.1 | 180671.9 | 100632.1 | S |
| 79.908 | 0.0000 | 0.0000 | 86.518 | 0.15494 | 0.00000 | 316523.1 | 180676.5 | 100632.1 | S |
| 79.917 | 0.0000 | 0.0000 | 86.518 | 0.15492 | 0.00000 | 316523.1 | 180681.2 | 100632.1 | S |
| 79.925 | 0.0000 | 0.0000 | 86.518 | 0.15490 | 0.00000 | 316523.1 | 180685.8 | 100632.7 | S |
| 79.933 | 0.0000 | 0.0000 | 86.518 | 0.15488 | 0.00000 | 316523.1 | 180690.5 | 100632.1 | S |
| 79.942 | 0.0000 | 0.0000 | 86.517 | 0.15486 | 0.00000 | 316523.1 | 180695.1 | 100632.1 | S |
| 79.950 | 0.0000 | 0.0000 | 86.517 | 0.15484 | 0.00000 | 316523.1 | 180699.8 | 100632.1 | S |
| 79.958 | 0.0000 | 0.0000 | 86.517 | 0.15482 | 0.00000 | 316523.1 | 180704.4 | 100632.1 | S |
| 79.967 | 0.0000 | 0.0000 | 86.517 | 0.15480 | 0.00000 | 316523.1 | 180709.1 | 100632.1 | S |
| 79.975 | 0.0000 | 0.0000 | 86.516 | 0.15478 | 0.00000 | 316523.1 | 180713.7 | 100632.1 | S |
| 79,983 | 0.0000 | 0.0000 | 86.516 | 0.15475 | 0.00000 | 316523.1 | 180718.4 | 100632.1 | S |
| 79.992 | 0.0000 | 0.0000 | 86.516 | 0.15473 | 0.00000 | 316523.1 | 180723.0 | 100632.1 | S |
| 80.000 | 0.0000 | 0.0000 | 86.516 | 0.15471 | 0.00000 | 316523.1 | 180727.6 | 100632.1 | S |
| 80.008 | 0.0000 | 0.0000 | 86.515 | 0.15469 | 0.00000 | 316523.1 | 180732.3 | 100632.1 | S |
| 80.017 | 0.0000 | 0.0000 | 86.515 | 0.15467 | 0.00000 | 316523.1 | 180736.9 | 100632.1 | S |
| 80.025 | 0.0000 | 0.0000 | 86.515 | 0.15465 | 0.00000 | 316523.1 | 180741.6 | 100632.1 | S |
| 80.033 | 0.0000 | 0.0000 | 86.515 | 0.15463 | 0.00000 | 316523.1 | 180746.2 | 100632.1 | S |
| 80.042 | 0.0000 | 0.0000 | 86.514 | 0.15461 | 0.00000 | 316523.1 | 180750.8 | 100632.1 | S |
| 80.050 | 0.0000 | 0.0000 | 86.514 | 0.15459 | 0.00000 | 316523.1 | 180755.5 | 100632.1 | S |
| 80.058 | 0.0000 | 0.0000 | 86.514 | 0.15457 | 0.00000 | 316523.1 | 180760.1 | 100632.1 | S |
| 80.067 | 0.0000 | 0.0000 | 86.514 | 0.15455 | 0.00000 | 316523.1 | 180764.8 | 100632.1 | S |
| 80.075 | 0.0000 | 0.0000 | 86.513 | 0.15453 | 0.00000 | 316523.1 | 180769.4 | 100632.1 | S |
| 80.083 | 0.0000 | 0.0000 | 86.513 | 0.15450 | 0.00000 | 316523.1 | 180774.0 | 100632.1 | S |
| 80.092 | 0.0000 | 0.0000 | 86.513 | 0.15448 | 0.00000 | 316523.1 | 180778.7 | 100632.1 | S |
| 80.100 | 0.0000 | 0.0000 | 86.513 | 0.15446 | 0.00000 | 316523.1 | 180783.3 | 100632.1 | S |
| 80.108 | 0.0000 | 0.0000 | 86.512 | 0.15444 | 0.00000 | 316523.1 | 180787.9 | 100632.1 | S |
| 80.117 | 0.0000 | 0.0000 | 86.512 | 0.15442 | 0.00000 | 316523.1 | 180792.6 | 100632.1 | S |
| 80.125 | 0.0000 | 0.0000 | 86.512 | 0.15440 | 0.00000 | 316523.1 | 180797.2 | 100632.1 | S |
| 80.133 | 0.0000 | 0.0000 | 86.511 | 0.15438 | 0.00000 | 316523.1 | 180801.8 | 100632.1 | S |
| 80.142 | 0.0000 | 0.0000 | 86.511 | 0.15436 | 0.00000 | 316523.1 | 180806.5 | 100632.1 | S |
| 80.150 | 0.0000 | 0.0000 | 86.511 | 0.15434 | 0.00000 | 316523.1 | 180811.1 | 100632.1 | S |
| 80.158 | 0.0000 | 0.0000 | 86.511 | 0.15432 | 0.00000 | 316523.1 | 180815.7 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate (fits) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate (f $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge (ft ${ }^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 80.167 | 0.0000 | 0.0000 | 86.510 | 0.15430 | 0.00000 | 316523.1 | 180820.3 | 100632.1 | S |
| 80.175 | 0.0000 | 0.0000 | 86.510 | 0.15428 | 0.00000 | 316523.1 | 180825.0 | 100632.1 | S |
| 80.183 | 0,0000 | 0.0000 | 86.510 | 0.15425 | 0.00000 | 316523.1 | 180829.6 | 100632.1 | S |
| 80.192 | 0.0000 | 0.0000 | 86.510 | 0.15423 | 0.00000 | 316523.1 | 180834.2 | 100632.1 | S |
| 80.200 | 0.0000 | 0.0000 | 86.509 | 0.15421 | 0.00000 | 316523.1 | 180838.9 | 100632.1 | S |
| 80.208 | 0.0000 | 0.0000 | 86.509 | 0.15419 | 0.00000 | 316523.1 | 180843.5 | 100632.1 | S |
| 80.217 | 0.0000 | 0.0000 | 86.509 | 0.15417 | 0.00000 | 316523.1 | 180848.1 | 100632.1 | S |
| 80.225 | 0.0000 | 0.0000 | 86.509 | 0.15415 | 0.00000 | 316523.1 | 180852.7 | 100632.1 | S |
| 80.233 | 0.0000 | 0.0000 | 86.508 | 0.15413 | 0.00000 | 316523.1 | 180857.4 | 100632.1 | S |
| 80.242 | 0.0000 | 0.0000 | 86.508 | 0.15411 | 0.00000 | 316523.1 | 180862.0 | 100632.1 | S |
| 80.250 | 0.0000 | 0.0000 | 86.508 | 0.15409 | 0.00000 | 316523.1 | 180866.6 | 100632.1 | S |
| 80.258 | 0.0000 | 0.0000 | 86.508 | 0.15407 | 0.00000 | 316523.1 | 180871.2 | 100632.1 | 5 |
| 80.267 | 0.0000 | 0.0000 | 86.507 | 0.15405 | 0.00000 | 316523.1 | 180875.8 | 100632.1 | S |
| 80.275 | 0.0000 | 0.0000 | 86.507 | 0.15403 | 0.00000 | 316523.1 | 180880.5 | 100632.1 | 5 |
| 80.283 | 0.0000 | 0.0000 | 86.507 | 0.15401 | 0.00000 | 316523.1 | 180885.1 | 100632.1 | S |
| 80.292 | 0.0000 | 0.0000 | 86.507 | 0.15398 | 0,00000 | 316523.1 | 180889.7 | 100632.1 | S |
| 80.300 | 0.0000 | 0.0000 | 86.506 | 0.15396 | 0,00000 | 316523.1 | 180894.3 | 100632.1 | 5 |
| 80.308 | 0.0000 | 0.0000 | 86.506 | 0.15394 | 0.00000 | 316523.1 | 180899.0 | 100632.1 | 5 |
| 80.317 | 0.0000 | 0.0000 | 86.506 | 0.15392 | 0.00000 | 316523.1 | 180903.6 | 100632.1 | S |
| 80.325 | 0.0000 | 0.0000 | 86.506 | 0.15390 | 0.00000 | 316523.1 | 180908.2 | 100632.1 | S |
| 80.333 | 0.0000 | 0.0000 | 86.505 | 0.15388 | 0.00000 | 316523.1 | 180912.8 | 100632.1 | S |
| 80.342 | 0.0000 | 0.0000 | 86.505 | 0.15386 | 0.00000 | 316523.1 | 180917.4 | 100632.1 | 5 |
| 80.350 | 0.0000 | 0.0000 | 86.505 | 0.15384 | 0.00000 | 316523.1 | 180922.0 | 100632.1 | S |
| 80.358 | 0.0000 | 0.0000 | 86.505 | 0.15382 | 0.00000 | 316523.1 | 180926.6 | 100632.1 | 5 |
| 80.367 | 0.0000 | 0.0000 | 86.504 | 0.15380 | 0.00000 | 316523.1 | 180931.3 | 100632.1 | S |
| 80.375 | 0.0000 | 0.0000 | 86.504 | 0.15378 | 0.00000 | 316523.1 | 180935.9 | 100632.1 | S |
| 80.383 | 0.0000 | 0.0000 | 86.504 | 0.15376 | 0.00000 | 316523.1 | 180940.5 | 100632.1 | S |
| 80.392 | 0.0000 | 0.0000 | 86.504 | 0.15374 | 0.00000 | 316523.1 | 180945.1 | 100632.1 | S |
| 80.400 | 0.0000 | 0.0000 | 86.503 | 0.15372 | 0.00000 | 316523.1 | 180949.7 | 100632.1 | S |
| 80.408 | 0.0000 | 0.0000 | 86.503 | 0.15370 | 0.00000 | 316523.1 | 180954.3 | 100632.1 | S |
| 80.417 | 0.0000 | 0.0000 | 86.503 | 0.15367 | 0.00000 | 316523.1 | 180958.9 | 100632.1 | 5 |
| 80.425 | 0.0000 | 0.0000 | 86.502 | 0.15365 | 0.00000 | 316523.1 | 180963.5 | 100632.1 | S |
| 80.433 | 0.0000 | 0.0000 | 86.502 | 0.15363 | 0.00000 | 316523.1 | 180968.2 | 100632.1 | S |
| 80.442 | 0.0000 | 0.0000 | 86.502 | 0.15361 | 0.00000 | 316523.1 | 180972.8 | 100632.1 | S |
| 80.450 | 0.0000 | 0.0000 | 86.502 | 0.15359 | 0.00000 | 316523.1 | 180977.4 | 100632.1 | S |
| 80.458 | 0.0000 | 0.0000 | 86.501 | 0.15357 | 0.00000 | 316523.1 | 180982.0 | 100632.1 | S |
| 80.467 | 0.0000 | 0.0000 | 86.501 | 0.15355 | 0.00000 | 316523.1 | 180986.6 | 100632.1 | S |
| 80.475 | 0.0000 | 0.0000 | 86.501 | 0.15353 | 0.00000 | 316523.1 | 180991.2 | 100632.1 | 5 |
| 80.483 | 0.0000 | 0.0000 | 86.501 | 0.15351 | 0.00000 | 316523.1 | 180995.8 | 100632.1 | S |
| 80.492 | 0.0000 | 0.0000 | 86.500 | 0.15349 | 0.00000 | 316523.1 | 181000.4 | 100632.1 | 5 |
| 80.500 | 0.0000 | 0.0000 | 86.500 | 0.15347 | 0.00000 | 316523.1 | 181005.0 | 100632.1 | 5 |
| 80.508 | 0.0000 | 0.0000 | 86.500 | 0.15345 | 0.00000 | 316523.1 | 181009.6 | 100632.1 | S |
| 80.517 | 0.0000 | 0.0000 | 86.500 | 0.15343 | 0.00000 | 316523.1 | 181014.2 | 100632.1 | 5 |
| 80.525 | 0.0000 | 0.0000 | 86.499 | 0.15341 | 0.00000 | 316523.1 | 181018.8 | 100632.1 | 5 |
| 80.533 | 0.0000 | 0.0000 | 86.499 | 0.15339 | 0.00000 | 316523.1 | 181023.4 | 100632.1 | 5 |
| 80.542 | 0.0000 | 0.0000 | 86.499 | 0.15337 | 0.00000 | 316523.1 | 181028.0 | 100632.1 | 5 |
| 80.550 | 0.0000 | 0.0000 | 86.499 | 0.15334 | 0.00000 | 316523.1 | 181032.6 | 100632.1 | S |
| 80.558 | 0.0000 | 0.0000 | 86.498 | 0.15332 | 0.00000 | 316523.1 | 181037.2 | 100632.1 | 5 |
| 80.567 | 0.0000 | 0.0000 | 86.498 | 0.15330 | 0.00000 | 316523.1 | 181041.8 | 100632.1 | S |
| 80.575 | 0.0000 | 0.0000 | 86.498 | 0.15328 | 0.00000 | 316523.1 | 181046.4 | 100632.1 | 5 |
| 80.583 | 0.0000 | 0.0000 | 86.498 | 0.15326 | 0.00000 | 316523.1 | 181051.0 | 100632.1 | S |
| 80.592 | 0.0000 | 0.0000 | 86.497 | 0.15324 | 0.00000 | 316523.1 | 181055.6 | 100632.1 | 5 |
| 80.600 | 0.0000 | 0.0000 | 86.497 | 0.15322 | 0.00000 | 316523.1 | 181060.2 | 100632.1 | S |
| 80.608 | 0.0000 | 0.0000 | 86.497 | 0.15320 | 0.00000 | 316523.1 | 181064.8 | 100632.1 | S |
| 80.617 | 0.0000 | 0.0000 | 86.497 | 0.15318 | 0.00000 | 316523.1 | 181069.4 | 100632.1 | 5 |
| 80.625 | 0.0000 | 0.0000 | 86.496 | 0.15316 | 0.00000 | 316523.1 | 181074.0 | 100632.1 | S |
| 80.633 | 0.0000 | 0.0000 | 86.496 | 0.15314 | 0.00000 | 316523.1 | 181078.6 | 100632.1 | 5 |
| 80.642 | 0.0000 | 0.0000 | 86.496 | 0.15312 | 0.00000 | 316523.1 | 181083.2 | 100632.1 | S |
| 80.650 | 0.0000 | 0.0000 | 86.496 | 0.15310 | 0.00000 | 316523.1 | 181087.8 | 100632.1 | S |
| 80.658 | 0.0000 | 0.0000 | 86.495 | 0.15308 | 0.00000 | 316523.1 | 181092.4 | 100632.1 | S |
| 80.667 | 0.0000 | 0.0000 | 86.495 | 0.15306 | 0.00000 | 316523.1 | 181097.0 | 100632.1 | S |
| 80.675 | 0.0000 | 0.0000 | 86.495 | 0.15304 | 0.00000 | 316523.1 | 181101.5 | 100632.1 | 5 |
| 80.683 | 0.0000 | 0.0000 | 86.495 | 0.15302 | 0.00000 | 316523.1 | 181106.1 | 100632.1 | S |
| 80.692 | 0.0000 | 0.0000 | 86.494 | 0.15300 | 0.00000 | 316523.1 | 181110.7 | 100632.1 | S |
| 80.700 | 0.0000 | 0.0000 | 86.494 | 0.15297 | 0.00000 | 316523.1 | 181115.3 | 100632.1 | 5 |
| 80.708 | 0.0000 | 0.0000 | 86.494 | 0.15295 | 0.00000 | 316523.1 | 181119.9 | 100632.1 | 5 |
| 80.717 | 0.0000 | 0.0000 | 86.494 | 0.15293 | 0.00000 | 316523.1 | 181124.5 | 100632.1 | 5 |
| 80.725 | 0.0000 | 0.0000 | 86.493 | 0.15291 | 0.00000 | 316523.1 | 181129.1 | 100632.1 | 5 |
| 80.733 | 0.0000 | 0.0000 | 86.493 | 0.15289 | 0.00000 | 316523.1 | 181133.7 | 100632.1 | 5 |
| 80.742 | 0.0000 | 0.0000 | 86.493 | 0.15287 | 0.00000 | 316523.1 | 181138.3 | 100632.1 | 5 |
| 80.750 | 0.0000 | 0.0000 | 86.492 | 0.15285 | 0.00000 | 316523.1 | 181142.8 | 100632.1 | 5 |
| 80.758 | 0.0000 | 0.0000 | 86.492 | 0.15283 | 0.00000 | 316523.1 | 181147.4 | 100632.1 | S |
| 80.767 | 0.0000 | 0.0000 | 86.492 | 0.15281 | 0.00000 | 316523.1 | 181152.0 | 100632.1 | S |
| 80.775 | 0.0000 | 0.0000 | 86.492 | 0.15279 | 0.00000 | 316523.1 | 181156.6 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | !nflow <br> Rate <br> ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (fi/day) | Stage Elevation (ft datum) | Infiltration Rate (fis/s) | Overlow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{n}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 80.783 | 0.0000 | 0.0000 | 86.491 | 0.15277 | 0.00000 | 316523.1 | 181161.2 | 100632.1 | S |
| 80.792 | 0.0000 | 0.0000 | 86.491 | 0.15275 | 0.00000 | 316523.1 | 181165.8 | 100632.1 | S |
| 80.800 | 0.0000 | 0.0000 | 86.491 | 0.15273 | 0.00000 | 316523.1 | 181170.3 | 100632.1 | S |
| 80.808 | 0.0000 | 0.0000 | 86.491 | 0.15271 | 0.00000 | 316523.1 | 181174.9 | 100632.1 | S |
| 80.817 | 0.0000 | 0.0000 | 86.490 | 0.15269 | 0.00000 | 316523.1 | 181179.5 | 100632.1 | S |
| 80.825 | 0.0000 | 0.0000 | 86.490 | 0.15267 | 0.00000 | 316523.1 | 181184.1 | 100632.1 | S |
| 80.833 | 0.0000 | 0.0000 | 86.490 | 0.15265 | 0.00000 | 316523.1 | 181188.7 | 100632.1 | S |
| 80.842 | 0.0000 | 0.0000 | 86.490 | 0.15263 | 0.00000 | 316523.1 | 181193.3 | 100632.1 | S |
| 80,850 | 0.0000 | 0.0000 | 86.489 | 0.15261 | 0.00000 | 316523.1 | 181197.8 | 100632.1 | S |
| 80.858 | 0.0000 | 0.0000 | 86.489 | 0.15259 | 0.00000 | 316523.1 | 181202.4 | 100632.1 | S |
| 80.867 | 0.0000 | 0.0000 | 86.489 | 0.15257 | 0.00000 | 316523.1 | 181207.0 | 100632.1 | S |
| 80.875 | 0.0000 | 0.0000 | 86.489 | 0.15255 | 0.00000 | 316523.1 | 181211.6 | 100632.1 | S |
| 80.883 | 0.0000 | 0.0000 | 86.488 | 0.15252 | 0.00000 | 316523.1 | 181216.1 | 100632.1 | S |
| 80.892 | 0.0000 | 0.0000 | 86.488 | 0.15250 | 0.00000 | 316523.1 | 181220.7 | 100632.1 | S |
| 80.900 | 0.0000 | 0.0000 | 86.488 | 0.15248 | 0.00000 | 316523.1 | 181225.3 | 100632.1 | S |
| 80.908 | 0.0000 | 0.0000 | 86.488 | 0.15246 | 0.00000 | 316523.1 | 181229.9 | 100632.1 | S |
| 80.917 | 0.0000 | 0.0000 | 86.487 | 0.15244 | 0.00000 | 316523.1 | 181234.4 | 100632.1 | S |
| 80.925 | 0.0000 | 0.0000 | 86.487 | 0.15242 | 0.00000 | 316523.1 | 181239.0 | 100632.1 | S |
| 80.933 | 0.0000 | 0.0000 | 86.487 | 0.15240 | 0.00000 | 316523.1 | 181243.6 | 100632.1 | S |
| 80.942 | 0.0000 | 0.0000 | 86.487 | 0.15238 | 0.00000 | 316523.1 | 181248.2 | 100632.1 | S |
| 80.950 | 0.0000 | 0.0000 | 86.486 | 0.15236 | 0.00000 | 316523.1 | 181252.7 | 100632.1 | S |
| 80.958 | 0.0000 | 0.0000 | 86.486 | 0.15234 | 0.00000 | 316523.1 | 181257.3 | 100632.1 | S |
| 80.967 | 0.0000 | 0.0000 | 86.486 | 0.15232 | 0.00000 | 316523.1 | 181261.9 | 100632.1 | S |
| 80.975 | 0.0000 | 0.0000 | 86.486 | 0.15230 | 0.00000 | 316523.1 | 181266.4 | 100632.1 | S |
| 80.983 | 0.0000 | 0.0000 | 86.485 | 0.15228 | 0.00000 | 316523.1 | 181271.0 | 100632.1 | S |
| 80.992 | 0.0000 | 0.0000 | 86.485 | 0.15226 | 0.00000 | 316523.1 | 181275.6 | 100632.1 | S |
| 81.000 | 0.0000 | 0.0000 | 86.485 | 0.15224 | 0.00000 | 316523.1 | 181280.1 | 100632.1 | S |
| 81.008 | 0.0000 | 0.0000 | 86.485 | 0.15222 | 0.00000 | 316523.1 | 181284.7 | 100632.1 | S |
| 81.017 | 0.0000 | 0.0000 | 86.484 | 0.15220 | 0.00000 | 316523.1 | 181289.3 | 100632.1 | S |
| 81.025 | 0.0000 | 0.0000 | 86.484 | 0.15218 | 0.00000 | 316523.1 | 181293.8 | 100632.1 | S |
| 81.033 | 0.0000 | 0.0000 | 86.484 | 0.15216 | 0.00000 | 316523.1 | 181298.4 | 100632.1 | S |
| 81.042 | 0.0000 | 0.0000 | 86.484 | 0.15214 | 0.00000 | 316523.1 | 181303.0 | 100632.1 | S |
| 81.050 | 0.0000 | 0.0000 | 86.483 | 0.15212 | 0.00000 | 316523.1 | 181307.5 | 100632.1 | S |
| 81.058 | 0.0000 | 0.0000 | 86.483 | 0.15210 | 0.00000 | 316523.1 | 181312.1 | 100632.1 | S |
| 81.067 | 0.0000 | 0.0000 | 86.483 | 0.15208 | 0.00000 | 316523.1 | 181316.7 | 100632.1 | S |
| 81.075 | 0.0000 | 0.0000 | 86.483 | 0.15206 | 0.00000 | 316523.1 | 181321.2 | 100632.1 | S |
| 81.083 | 0.0000 | 0.0000 | 86.482 | 0.15204 | 0.00000 | 316523.1 | 181325.8 | 100632.1 | S |
| 81.092 | 0.0000 | 0.0000 | 86.482 | 0.15202 | 0.00000 | 316523.1 | 181330.3 | 100632.1 | S |
| 81.100 | 0.0000 | 0.0000 | 86.482 | 0.15200 | 0.00000 | 316523.1 | 181334.9 | 100632.1 | S |
| 81.108 | 0.0000 | 0.0000 | 86.481 | 0.15198 | 0.00000 | 316523.1 | 181339.5 | 100632.1 | S |
| 81.117 | 0.0000 | 0.0000 | 86.481 | 0.15196 | 0.00000 | 316523.1 | 181344.0 | 100632.1 | S |
| 81.125 | 0.0000 | 0.0000 | 86.481 | 0.15193 | 0.00000 | 316523.1 | 181348.6 | 100632.1 | S |
| 81.133 | 0.0000 | 0.0000 | 86.481 | 0.15191 | 0.00000 | 316523.1 | 181353.1 | 100632.1 | S |
| 81.142 | 0.0000 | 0.0000 | 86.480 | 0.15189 | 0.00000 | 316523.1 | 181357.7 | 100632.1 | S |
| 81.150 | 0.0000 | 0.0000 | 86.480 | 0.15187 | 0.00000 | 316523.1 | 181362.3 | 100632.1 | S |
| 81.158 | 0.0000 | 0.0000 | 86.480 | 0.15185 | 0.00000 | 316523.1 | 181366.8 | 100632.1 | S |
| 81.167 | 0.0000 | 0.0000 | 86.480 | 0.15183 | 0.00000 | 316523.1 | 181371.4 | 100632.1 | S |
| 81.175 | 0.0000 | 0.0000 | 86.479 | 0.15181 | 0.00000 | 316523.1 | 181375.9 | 100632.1 | S |
| 81.183 | 0.0000 | 0.0000 | 86.479 | 0.15179 | 0.00000 | 316523.1 | 181380.5 | 100632.1 | S |
| 81.192 | 0.0000 | 0.0000 | 86.479 | 0.15177 | 0.00000 | 316523.1 | 181385.0 | 100632.1 | S |
| 81.200 | 0.0000 | 0.0000 | 86.479 | 0.15175 | 0.00000 | 316523.1 | 181389.6 | 100632.1 | S |
| 81.208 | 0.0000 | 0.0000 | 86.478 | 0.15773 | 0.00000 | 316523.1 | 181394.1 | 100632.1 | S |
| 81.217 | 0.0000 | 0.0000 | 86.478 | 0.15171 | 0.00000 | 316523.1 | 181398.7 | 100632.1 | S |
| 81.225 | 0.0000 | 0.0000 | 86.478 | 0.15169 | 0.00000 | 316523.1 | 181403.2 | 100632.1 | S |
| 81.233 | 0.0000 | 0.0000 | 86.478 | 0.15167 | 0.00000 | 316523.1 | 181407.8 | 100632.1 | S |
| 81.242 | 0.0000 | 0.0000 | 86.477 | 0.15165 | 0.00000 | 316523.1 | 181412.3 | 100632.1 | S |
| 81.250 | 0.0000 | 0.0000 | 86.477 | 0.15163 | 0.00000 | 316523.1 | 181416.9 | 100632.1 | S |
| 81.258 | 0.0000 | 0.0000 | 86.477 | 0.15161 | 0.00000 | 316523.1 | 181421.4 | 100632.1 | S |
| 81.267 | 0.0000 | 0.0000 | 86.477 | 0.15159 | 0.00000 | 316523.1 | 181426.0 | 100632.1 | S |
| 81.275 | 0.0000 | 0.0000 | 86.476 | 0.15157 | 0.00000 | 316523.1 | 181430.5 | 100632.7 | S |
| 81.283 | 0.0000 | 0.0000 | 86.476 | 0.15155 | 0.00000 | 316523.1 | 181435.1 | 100632.1 | S |
| 81.292 | 0.0000 | 0.0000 | 86.476 | 0.15153 | 0.00000 | 316523.1 | 181439.6 | 100632.1 | S |
| 81.300 | 0.0000 | 0.0000 | 86.476 | 0.15151 | 0.00000 | 316523.1 | 181444.2 | 100632.1 | S |
| 81.308 | 0.0000 | 0.0000 | 86.475 | 0.15149 | 0.00000 | 316523.1 | 181448.7 | 100632.1 | S |
| 81.317 | 0.0000 | 0.0000 | 86.475 | 0.15147 | 0.00000 | 316523.1 | 181453.3 | 100632.1 | S |
| 81.325 | 0.0000 | 0.0000 | 86.475 | 0.15145 | 0.00000 | 316523.1 | 181457.8 | 100632.1 | S |
| 81.333 | 0.0000 | 0.0000 | 86.475 | 0.15143 | 0.00000 | 316523.1 | 181462.3 | 100632.1 | S |
| 81.342 | 0.0000 | 0.0000 | 86.474 | 0.15141 | 0.00000 | 316523.1 | 181466.9 | 100632.1 | S |
| 81.350 | 0.0000 | 0.0000 | 86.474 | 0.15139 | 0.00000 | 316523.1 | 181471.4 | 100632.1 | S |
| 81.358 | 0.0000 | 0.0000 | 86.474 | 0.15137 | 0.00000 | 316523.1 | 181476.0 | 100632.1 | S |
| 81.367 | 0.0000 | 0.0000 | 86.474 | 0.15135 | 0.00000 | 316523.1 | 181480.5 | 100632.1 | S |
| 81.375 | 0.0000 | 0.0000 | 86.473 | 0.15133 | 0.00000 | 316523.1 | 181485.0 | 100632.1 | S |
| 81.383 | 0.0000 | 0.0000 | 86.473 | 0.15131 | 0.00000 | 316523.1 | 181489.6 | 100632.1 | S |
| 81.392 | 0.0000 | 0.0000 | 86.473 | 0.15129 | 0.00000 | 316523.1 | 181494.1 | 100632.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (fl/day) | Stage Elevation (ft datum) | Infitration Rate ( $\mathrm{H}^{3 / 3} \mathrm{~s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative unflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 81.400 | 0.0000 | 0.0000 | 86.473 | 0.15127 | 0.00000 | 316523.1 | 181498.7 | 100632.1 | S |
| 81.408 | 0.0000 | 0.0000 | 86.472 | 0.15125 | 0.00000 | 316523.1 | 181503.2 | 100632.1 | S |
| 81.417 | 0.0000 | 0.0000 | 86.472 | 0.15123 | 0.00000 | 316523.1 | 181507.7 | 100632.1 | S |
| 81.425 | 0.0000 | 0.0000 | 86.472 | 0.15121 | 0.00000 | 316523.1 | 181512.3 | 100632.1 | S |
| 81.433 | 0.0000 | 0.0000 | 86.472 | 0.15119 | 0.00000 | 316523.1 | 181516.8 | 100632.1 | S |
| 81.442 | 0.0000 | 0.0000 | 86.471 | 0.15117 | 0.00000 | 316523.1 | 181521.3 | 100632.1 | S |
| 81.450 | 0.0000 | 0.0000 | 86.471 | 0.15115 | 0.00000 | 316523.1 | 181525.9 | 100632.1 | S |
| 81.458 | 0.0000 | 0.0000 | 86.471 | 0.15113 | 0.00000 | 316523.1 | 181530.4 | 100632.1 | S |
| 81.467 | 0.0000 | 0.0000 | 86.471 | 0.15111 | 0.00000 | 316523.1 | 181535.0 | 100632.1 | S |
| 81.475 | 0.0000 | 0.0000 | 86.470 | 0.15109 | 0.00000 | 316523.1 | 181539.5 | 100632.1 | S |
| 81.483 | 0.0000 | 0.0000 | 86.470 | 0.15107 | 0.00000 | 316523.1 | 181544.0 | 100632.1 | S |
| 81.492 | 0.0000 | 0.0000 | 86.470 | 0.15105 | 0.00000 | 316523.1 | 181548.5 | 100632.1 | S |
| 81.500 | 0.0000 | 0.0000 | 86.470 | 0.15103 | 0.00000 | 316523.1 | 181553.1 | 100632.1 | S |
| 81.508 | 0.0000 | 0.0000 | 86.469 | 0.15101 | 0.00000 | 316523.1 | 181557.6 | 100632.1 | S |
| 81.517 | 0.0000 | 0.0000 | 86.469 | 0.15099 | 0.00000 | 316523.1 | 181562.1 | 100632.1 | S |
| 81.525 | 0.0000 | 0.0000 | 86.469 | 0.15097 | 0.00000 | 316523.1 | 181566.7 | 100632.1 | S |
| 81.533 | 0.0000 | 0.0000 | 86.469 | 0.15095 | 0.00000 | 316523.1 | 181571.2 | 100632.1 | S |
| 81.542 | 0.0000 | 0.0000 | 86.468 | 0.15093 | 0.00000 | 316523.1 | 181575.7 | 100632.1 | S |
| 81.550 | 0.0000 | 0.0000 | 86.468 | 0.15091 | 0.00000 | 316523.1 | 181580.3 | 100632.1 | S |
| 81.558 | 0.0000 | 0.0000 | 86.468 | 0.15089 | 0.00000 | 316523.1 | 181584.8 | 100632.1 | S |
| 81.567 | 0.0000 | 0.0000 | 86.468 | 0.15087 | 0.00000 | 316523.1 | 181589.3 | 100632.1 | S |
| 81.575 | 0.0000 | 0.0000 | 86.467 | 0.15085 | 0.00000 | 316523.1 | 181593.8 | 100632.1 | S |
| 81.583 | 0.0000 | 0.0000 | 86.467 | 0.15083 | 0.00000 | 316523.1 | 181598.4 | 100632.1 | S |
| 81.592 | 0.0000 | 0.0000 | 86.467 | 0.15081 | 0.00000 | 316523.1 | 181602.9 | 100632.1 | S |
| 81.600 | 0.0000 | 0.0000 | 86.466 | 0.15079 | 0.00000 | 316523.1 | 181607.4 | 100632.1 | S |
| 81.608 | 0.0000 | 0.0000 | 86.466 | 0.15077 | 0.00000 | 316523.1 | 181611.9 | 100632.1 | S |
| 81.617 | 0.0000 | 0.0000 | 86.466 | 0.15075 | 0.00000 | 316523.1 | 181616.5 | 100632.1 | S |
| 81.625 | 0.0000 | 0.0000 | 86.466 | 0.15073 | 0.00000 | 316523.1 | 181621.0 | 100632.1 | S |
| 81.633 | 0.0000 | 0.0000 | 86.465 | 0.15071 | 0.00000 | 316523.1 | 181625.5 | 100632.1 | S |
| 81.642 | 0.0000 | 0.0000 | 86.465 | 0.15069 | 0.00000 | 316523.1 | 181630.0 | 100632.1 | S |
| 81.650 | 0.0000 | 0.0000 | 86.465 | 0.15067 | 0.00000 | 316523.1 | 181634.5 | 100632.1 | S |
| 81.658 | 0.0000 | 0.0000 | 86.465 | 0.15065 | 0.00000 | 316523.1 | 181639.0 | 100632.1 | S |
| 81.667 | 0.0000 | 0.0000 | 86.464 | 0.15063 | 0.00000 | 316523.1 | 181643.6 | 100632.1 | S |
| 81.675 | 0.0000 | 0.0000 | 86.464 | 0.15061 | 0.00000 | 316523.1 | 181648.1 | 100632.1 | S |
| 81.683 | 0.0000 | 0.0000 | 86.464 | 0.15059 | 0.00000 | 316523.1 | 181652.6 | 100632.1 | S |
| 81.692 | 0.0000 | 0.0000 | 86.464 | 0.15057 | 0.00000 | 316523.1 | 181657.1 | 100632.1 | S |
| 81.700 | 0.0000 | 0.0000 | 86.463 | 0.15055 | 0.00000 | 316523.1 | 181661.6 | 100632.1 | S |
| 81.708 | 0.0000 | 0.0000 | 86.463 | 0.15053 | 0.00000 | 316523.1 | 181666.2 | 100632.1 | S |
| 81.717 | 0.0000 | 0.0000 | 86.463 | 0.15051 | 0.00000 | 316523.1 | 181670.7 | 100632.1 | S |
| 81.725 | 0.0000 | 0.0000 | 86.463 | 0.15049 | 0.00000 | 316523.1 | 181675.2 | 100632.1 | S |
| 81.733 | 0.0000 | 0.0000 | 86.462 | 0.15047 | 0.00000 | 316523.1 | 181679.7 | 100632.1 | S |
| 81.742 | 0.0000 | 0.0000 | 86.462 | 0.15045 | 0.00000 | 316523.1 | 181684.2 | 100632.1 | S |
| 81.750 | 0.0000 | 0.0000 | 86.462 | 0.15043 | 0.00000 | 316523.1 | 181688.7 | 100632.1 | S |
| 81.758 | 0.0000 | 0.0000 | 86.462 | 0.15047 | 0.00000 | 316523.1 | 181693.3 | 100632.1 | S |
| 81.767 | 0.0000 | 0.0000 | 86.461 | 0.15039 | 0.00000 | 316523.1 | 181697.8 | 100632.1 | S |
| 81.775 | 0.0000 | 0.0000 | 86.461 | 0.15037 | 0.00000 | 316523.1 | 181702.3 | 100632.1 | S |
| 81.783 | 0.0000 | 0.0000 | 86.461 | 0.15035 | 0.00000 | 316523.1 | 181706.8 | 100632.1 | S |
| 81.792 | 0.0000 | 0.0000 | 86.461 | 0.15033 | 0.00000 | 316523.1 | 181711.3 | 100632.1 | S |
| 81.800 | 0.0000 | 0.0000 | 86.460 | 0.15031 | 0.00000 | 316523.1 | 181715.8 | 100632.1 | S |
| 81.808 | 0.0000 | 0.0000 | 86.460 | 0.15029 | 0.00000 | 316523.1 | 181720.3 | 100632.1 | S |
| 81.817 | 0.0000 | 0.0000 | 86.460 | 0.15027 | 0.00000 | 316523.1 | 181724.8 | 100632.1 | S |
| 81.825 | 0.0000 | 0.0000 | 86.460 | 0.15025 | 0.00000 | 316523.1 | 181729.3 | 100632.1 | S |
| 81.833 | 0.0000 | 0.0000 | 86.459 | 0.15023 | 0.00000 | 316523.1 | 181733.8 | 100632.1 | S |
| 81.842 | 0.0000 | 0.0000 | 86.459 | 0.15021 | 0.00000 | 316523.1 | 181738.3 | 100632.1 | S |
| 81.850 | 0.0000 | 0.0000 | 86.459 | 0.15019 | 0.00000 | 316523.1 | 181742.8 | 100632.1 | S |
| 81.858 | 0.0000 | 0.0000 | 86.459 | 0.15017 | 0.00000 | 316523.1 | 181747.3 | 100632.1 | S |
| 81.867 | 0.0000 | 0.0000 | 86.458 | 0.15015 | 0.00000 | 316523.1 | 181751.8 | 100632.1 | S |
| 81.875 | 0.0000 | 0.0000 | 86.458 | 0.15013 | 0.00000 | 316523.1 | 181756.4 | 100632.1 | S |
| 81.883 | 0.0000 | 0.0000 | 86.458 | 0.15011 | 0.00000 | 316523.1 | 181760.9 | 100632.1 | S |
| 81.892 | 0.0000 | 0.0000 | 86.458 | 0.15009 | 0.00000 | 316523.1 | 181765.4 | 100632.1 | S |
| 81.900 | 0.0000 | 0.0000 | 86.457 | 0.15007 | 0.00000 | 316523.4 | 181769.9 | 100632.1 | S |
| 81.908 | 0.0000 | 0.0000 | 86.457 | 0.15005 | 0.00000 | 316523.1 | 181774.4 | 100632.1 | S |
| 81.917 | 0.0000 | 0.0000 | 86.457 | 0.15003 | 0.00000 | 316523.1 | 181778.9 | 100632.1 | S |
| 81.925 | 0.0000 | 0.0000 | 86.457 | 0.15001 | 0.00000 | 316523.1 | 181783.4 | 100632.1 | S |
| 81.933 | 0.0000 | 0.0000 | 86.456 | 0.14999 | 0.00000 | 316523.1 | 181787.9 | 100632.1 | S |
| 81.942 | 0.0000 | 0.0000 | 86.456 | 0.14997 | 0.00000 | 316523.1 | 181792.4 | 100632.1 | S |
| 81.950 | 0.0000 | 0.0000 | 86.456 | 0.14995 | 0.00000 | 316523.1 | 181796.9 | 100632.1 | S |
| 81.958 | 0.0000 | 0.0000 | 86.456 | 0.14993 | 0.00000 | 316523.1 | 181801.4 | 100632.7 | S |
| 81.967 | 0.0000 | 0.0000 | 86.455 | 0.14991 | 0.00000 | 316523.1 | 181805.9 | 100632.1 | S |
| 81.975 | 0.0000 | 0.0000 | 86.455 | 0.14989 | 0.00000 | 316523.1 | 181810.4 | 100632.1 | S |
| 81.983 | 0.0000 | 0.0000 | 86.455 | 0.14987 | 0.00000 | 316523.1 | 181814.9 | 100632.1 | S |
| 81.992 | 0.0000 | 0.0000 | 86.455 | 0.14985 | 0.00000 | 316523.1 | 181819.3 | 100632.1 | S |
| 82.000 | 0.0000 | 0.0000 | 86.454 | 0.14983 | 0.00000 | 316523.1 | 181823.8 | 100632.1 | S |
| 82.008 | 0.0000 | 0.0000 | 86.454 | 0.14981 | 0.00000 | 316523.1 | 181828.3 | 100632.1 | S |

PONDS Version 3.2.0207

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infilitration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Cumulative Infiow Volume (ft ${ }^{3}$ ) | Cumułative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 82.017 | 0.0000 | 0.0000 | 86.454 | 0.14979 | 0.00000 | 316523.1 | 181832.8 | 100632.1 | S |
| 82.025 | 0.0000 | 0.0000 | 86.454 | 0.14977 | 0.00000 | 316523.1 | 181837.3 | 100632.1 | S |
| 82.033 | 0.0000 | 0.0000 | 86.453 | 0.14975 | 0.00000 | 316523.1 | 181841.8 | 100632.7 | S |
| 82.042 | 0.0000 | 0.0000 | 86.453 | 0.14973 | 0.00000 | 316523.1 | 181846.3 | 100632.1 | S |
| 82.050 | 0.0000 | 0.0000 | 86.453 | 0.14971 | 0.00000 | 316523.1 | 181850.8 | 100632.1 | S |
| 82.058 | 0.0000 | 0.0000 | 86.453 | 0.14969 | 0.00000 | 316523.1 | 181855.3 | 100632.1 | S |
| 82.067 | 0.0000 | 0.0000 | 86.452 | 0.14967 | 0.00000 | 316523.1 | 181859.8 | 100632.1 | S |
| 82.075 | 0.0000 | 0.0000 | 86.452 | 0.14965 | 0.00000 | 316523.1 | 181864.3 | 100632.1 | S |
| 82.083 | 0.0000 | 0.0000 | 86.452 | 0.14963 | 0.00000 | 316523.1 | 181868.8 | 100632.1 | S |
| 82.092 | 0.0000 | 0.0000 | 86.452 | 0.14961 | 0.00000 | 316523.1 | 181873.3 | 100632.1 | S |
| 82.100 | 0.0000 | 0.0000 | 86.451 | 0.14959 | 0.00000 | 316523.1 | 181877.7 | 100632.1 | S |
| 82.108 | 0.0000 | 0.0000 | 86.451 | 0.14957 | 0.00000 | 316523.1 | 181882.2 | 100632.1 | S |
| 82.117 | 0.0000 | 0,0000 | 86.451 | 0.14955 | 0.00000 | 316523.1 | 181886.7 | 100632.1 | S |
| 82.125 | 0.0000 | 0.0000 | 86.451 | 0.14953 | 0.00000 | 316523.1 | 181891.2 | 100632.1 | S |
| 82.133 | 0.0000 | 0.0000 | 86.450 | 0.14951 | 0.00000 | 316523.1 | 181895.7 | 100632.1 | S |
| 82.142 | 0.0000 | 0.0000 | 86.450 | 0.14949 | 0.00000 | 316523.1 | 181900.2 | 100632.1 | S |
| 82.150 | 0.0000 | 0.0000 | 86.450 | 0.14947 | 0.00000 | 316523.1 | 181904.7 | 100632.1 | S |
| 82.158 | 0.0000 | 0.0000 | 86.450 | 0.14945 | 0.00000 | 316523.1 | 181909.1 | 100632.1 | S |
| 82.167 | 0.0000 | 0.0000 | 86.449 | 0.14943 | 0.00000 | 316523.1 | 181913.6 | 100632.1 | S |
| 82.175 | 0.0000 | 0.0000 | 86.449 | 0.14941 | 0.00000 | 316523.1 | 181918.1 | 100632.1 | S |
| 82.183 | 0.0000 | 0.0000 | 86.449 | 0.14939 | 0.00000 | 316523.1 | 181922.6 | 100632.1 | S |
| 82.192 | 0.0000 | 0.0000 | 86.449 | 0.14937 | 0.00000 | 316523.1 | 181927.1 | 100632.1 | S |
| 82.200 | 0.0000 | 0.0000 | 86.448 | 0.14935 | 0.00000 | 316523.1 | 181931.5 | 100632.1 | S |
| 82.208 | 0.0000 | 0.0000 | 86.448 | 0.14933 | 0.00000 | 316523.1 | 181936.0 | 100632.1 | S |
| 82.217 | 0.0000 | 0.0000 | 86.448 | 0.14931 | 0.00000 | 316523.1 | 181940.5 | 100632.1 | S |
| 82.225 | 0.0000 | 0.0000 | 86.448 | 0.14929 | 0.00000 | 316523.1 | 181945.0 | 100632.1 | S |
| 82.233 | 0.0000 | 0.0000 | 86.447 | 0.14927 | 0.00000 | 316523.1 | 181949.5 | 100632.1 | S |
| 82.242 | 0.0000 | 0.0000 | 86.447 | 0.14926 | 0.00000 | 316523.1 | 181954.0 | 100632.1 | S |
| 82.250 | 0.0000 | 0.0000 | 86.447 | 0.14924 | 0.00000 | 316523.1 | 181958.4 | 100632.1 | S |
| 82.258 | 0.0000 | 0.0000 | 86.447 | 0.14922 | 0.00000 | 316523.1 | 181962.9 | 100632.1 | S |
| 82.267 | 0.0000 | 0.0000 | 86.446 | 0.14920 | 0.00000 | 316523.1 | 181967.4 | 100632.1 | S |
| 82.275 | 0.0000 | 0.0000 | 86.446 | 0.14918 | 0.00000 | 316523.1 | 181971.8 | 100632.1 | S |
| 82.283 | 0.0000 | 0.0000 | 86.446 | 0.14916 | 0.00000 | 316523.1 | 181976.3 | 100632.1 | S |
| 82.292 | 0.0000 | 0.0000 | 86.446 | 0.14914 | 0.00000 | 316523.1 | 181980.8 | 100632.1 | S |
| 82.300 | 0.0000 | 0.0000 | 86.445 | 0.14912 | 0.00000 | 316523.1 | 181985.3 | 100632.1 | S |
| 82.308 | 0.0000 | 0.0000 | 86.445 | 0.14910 | 0.00000 | 316523.1 | 181989.8 | 100632.1 | S |
| 82.317 | 0.0000 | 0.0000 | 86.445 | 0.14908 | 0.00000 | 316523.1 | 181994.2 | 100632.1 | S |
| 82.325 | 0.0000 | 0.0000 | 86.445 | 0.14906 | 0.00000 | 316523.1 | 181998.7 | 100632.1 | S |
| 82.333 | 0.0000 | 0.0000 | 86.444 | 0.14904 | 0.00000 | 316523.1 | 182003.2 | 100632.1 | S |
| 82.342 | 0.0000 | 0.0000 | 86.444 | 0.14902 | 0.00000 | 316523.1 | 182007.6 | 100632.1 | S |
| 82.350 | 0.0000 | 0.0000 | 86.444 | 0.14900 | 0.00000 | 316523.1 | 182012.1 | 100632.1 | S |
| 82.358 | 0.0000 | 0.0000 | 86.443 | 0.14898 | 0.00000 | 316523.1 | 182016.6 | 100632.1 | S |
| 82.367 | 0.0000 | 0.0000 | 86.443 | 0.14896 | 0.00000 | 316523.1 | 182021.0 | 100632.1 | S |
| 82.375 | 0.0000 | 0.0000 | 86.443 | 0.14894 | 0.00000 | 316523.1 | 182025.5 | 100632.1 | S |
| 82.383 | 0.0000 | 0.0000 | 86.443 | 0.14892 | 0.00000 | 316523.1 | 182030.0 | 100632.1 | S |
| 82.392 | 0.0000 | 0.0000 | 86.442 | 0.14890 | 0.00000 | 316523.1 | 182034.5 | 100632.1 | S |
| 82.400 | 0.0000 | 0.0000 | 86.442 | 0.14888 | 0.00000 | 316523.1 | 182038.9 | 100632.1 | S |
| 82.408 | 0.0000 | 0.0000 | 86.442 | 0.14886 | 0.00000 | 316523.1 | 182043.4 | 100632.1 | S |
| 82.417 | 0.0000 | 0.0000 | 86.442 | 0.14884 | 0.00000 | 316523.1 | 182047.8 | 100632.1 | S |
| 82.425 | 0.0000 | 0.0000 | 86.441 | 0.14882 | 0.00000 | 316523.1 | 182052.3 | 100632.1 | S |
| 82.433 | 0.0000 | 0.0000 | 86.441 | 0.14880 | 0.00000 | 316523.1 | 182056.8 | 100632.1 | S |
| 82.442 | 0.0000 | 0.0000 | 86.441 | 0.14878 | 0.00000 | 316523.1 | 182061.2 | 100632.1 | S |
| 82.450 | 0.0000 | 0.0000 | 86.441 | 0.14876 | 0.00000 | 316523.1 | 182065.7 | 100632.1 | S |
| 82.458 | 0.0000 | 0.0000 | 86.440 | 0.14874 | 0.00000 | 316523.1 | 182070.2 | 100632.1 | S |
| 82.467 | 0.0000 | 0.0000 | 86.440 | 0.14872 | 0.00000 | 316523.1 | 182074.6 | 100632.1 | S |
| 82.475 | 0.0000 | 0.0000 | 86.440 | 0.14870 | 0.00000 | 316523.1 | 182079.1 | 100632.1 | S |
| 82.483 | 0.0000 | 0.0000 | 86.440 | 0.14869 | 0.00000 | 316523.1 | 182083.5 | 100632.1 | S |
| 82.492 | 0.0000 | 0.0000 | 86.439 | 0.14867 | 0.00000 | 316523.1 | 182088.0 | 100632.1 | S |
| 82.500 | 0.0000 | 0.0000 | 86.439 | 0.14865 | 0.00000 | 316523.1 | 182092.5 | 100632.1 | S |
| 82.508 | 0.0000 | 0.0000 | 86.439 | 0.14863 | 0.00000 | 316523.1 | 182096.9 | 100632.1 | S |
| 82.517 | 0.0000 | 0.0000 | 86.439 | 0.14861 | 0.00000 | 316523.1 | 182101.4 | 100632.1 | S |
| 82.525 | 0.0000 | 0.0000 | 86.438 | 0.14859 | 0.00000 | 316523.1 | 182105.8 | 100632.1 | S |
| 82.533 | 0.0000 | 0.0000 | 86.438 | 0.14857 | 0.00000 | 316523.1 | 182110.3 | 100632.1 | S |
| 82.542 | 0.0000 | 0.0000 | 86.438 | 0.14855 | 0.00000 | 316523.1 | 182114.8 | 100632.1 | S |
| 82.550 | 0.0000 | 0.0000 | 86.438 | 0.14853 | 0.00000 | 316523.1 | 182119.2 | 100632.1 | S |
| 82.558 | 0.0000 | 0.0000 | 86.437 | 0.14851 | 0.00000 | 316523.1 | 182123.7 | 100632.1 | S |
| 82.567 | 0.0000 | 0.0000 | 86.437 | 0.14849 | 0.00000 | 316523.1 | 182128.1 | 100632.1 | S |
| 82.575 | 0.0000 | 0.0000 | 86.437 | 0.14847 | 0.00000 | 316523.1 | 182132.6 | 100632.1 | S |
| 82.583 | 0.0000 | 0.0000 | 86.437 | 0.14845 | 0.00000 | 316523.1 | 182137.0 | 100632.1 | S |
| 82.592 | 0.0000 | 0.0000 | 86.436 | 0.14843 | 0.00000 | 316523.1 | 182141.5 | 100632.1 | S |
| 82.600 | 0.0000 | 0.0000 | 86.436 | 0.14841 | 0.00000 | 316523.1 | 182145.9 | 100632.1 | S |
| 82.608 | 0.0000 | 0.0000 | 86.436 | 0.14839 | 0.00000 | 316523.1 | 182150.4 | 100632.1 | S |
| 82.617 | 0.0000 | 0.0000 | 86.436 | 0.14837 | 0.00000 | 316523.1 | 182154.8 | 100632.1 | S |
| 82.625 | 0.0000 | 0.0000 | 86.435 | 0.14835 | 0.00000 | 316523.1 | 182159.3 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (flday) | Stage Elevation (fl datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge (f $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume (ft ${ }^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 82.633 | 0.0000 | 0.0000 | 86.435 | 0.14833 | 0.00000 | 316523.1 | 182163.8 | 100632.1 | S |
| 82.642 | 0.0000 | 0.0000 | 86.435 | 0.14831 | 0.00000 | 316523.1 | 182168.2 | 100632.1 | S |
| 82.650 | 0.0000 | 0.0000 | 86.435 | 0.14829 | 0.00000 | 316523.1 | 182172.6 | 100632.1 | S |
| 82.658 | 0.0000 | 0.0000 | 86.434 | 0.14827 | 0.00000 | 316523.1 | 182177.1 | 100632.1 | S |
| 82.667 | 0.0000 | 0.0000 | 86.434 | 0.14825 | 0.00000 | 316523.1 | 182181.5 | 100632.1 | S |
| 82.675 | 0.0000 | 0.0000 | 86.434 | 0.14824 | 0.00000 | 316523.1 | 182186.0 | 100632.1 | S |
| 82.683 | 0.0000 | 0.0000 | 86.434 | 0.14822 | 0.00000 | 316523.1 | 182190.4 | 100632.1 | S |
| 82.692 | 0.0000 | 0.0000 | 86.433 | 0.14820 | 0.00000 | 316523.1 | 182194.9 | 100632.1 | S |
| 82.700 | 0.0000 | 0.0000 | 86.433 | 0.14818 | 0.00000 | 316523.1 | 182199.3 | 100632.1 | S |
| 82.708 | 0.0000 | 0.0000 | 86.433 | 0.14816 | 0.00000 | 316523.1 | 182203.8 | 100632.1 | S |
| 82.717 | 0.0000 | 0.0000 | 86.433 | 0.14814 | 0.00000 | 316523.1 | 182208.2 | 100632.1 | S |
| 82.725 | 0.0000 | 0.0000 | 86.432 | 0.14812 | 0.00000 | 316523.1 | 182212.7 | 100632.1 | S |
| 82.733 | 0.0000 | 0.0000 | 86.432 | 0.14810 | 0.00000 | 316523.1 | 182217.1 | 100632.1 | S |
| 82.742 | 0.0000 | 0.0000 | 86.432 | 0.14808 | 0.00000 | 316523.1 | 182221.5 | 100632.1 | S |
| 82.750 | 0.0000 | 0.0000 | 86.432 | 0.14806 | 0.00000 | 316523.1 | 182226.0 | 100632.1 | S |
| 82.758 | 0.0000 | 0.0000 | 86.431 | 0.14804 | 0.00000 | 316523.1 | 182230.4 | 100632.1 | S |
| 82.767 | 0.0000 | 0.0000 | 86.431 | 0.14802 | 0.00000 | 316523.1 | 182234.9 | 100632.1 | S |
| 82.775 | 0.0000 | 0.0000 | 86.431 | 0.14800 | 0.00000 | 316523.1 | 182239.3 | 100632.1 | S |
| 82.783 | 0.0000 | 0.0000 | 86.431 | 0.14798 | 0.00000 | 316523.1 | 182243.8 | 100632.1 | S |
| 82.792 | 0.0000 | 0.0000 | 86.430 | 0.14796 | 0.00000 | 376523.1 | 182248.2 | 100632.1 | S |
| 82.800 | 0.0000 | 0.0000 | 86.430 | 0.14794 | 0.00000 | 316523.1 | 182252.6 | 100632.1 | S |
| 82.808 | 0.0000 | 0.0000 | 86.430 | 0.14792 | 0.00000 | 316523.1 | 182257.1 | 100632.1 | S |
| 82.817 | 0.0000 | 0.0000 | 86.430 | 0.14790 | 0.00000 | 316523.1 | 182261.5 | 100632.1 | S |
| 82.825 | 0.0000 | 0.0000 | 86.429 | 0.14788 | 0.00000 | 316523.1 | 182265.9 | 100632.1 | S |
| 82.833 | 0.0000 | 0.0000 | 86.429 | 0.14787 | 0.00000 | 316523.1 | 182270.4 | 100632.1 | S |
| 82.842 | 0.0000 | 0.0000 | 86.429 | 0.14785 | 0.00000 | 316523.1 | 182274.8 | 100632.1 | S |
| 82.850 | 0.0000 | 0.0000 | 86.429 | 0.14783 | 0.00000 | 316523.1 | 182279.3 | 100632.1 | S |
| 82.858 | 0.0000 | 0.0000 | 86.428 | 0.14781 | 0.00000 | 316523.1 | 182283.7 | 100632.1 | S |
| 82.867 | 0.0000 | 0.0000 | 86.428 | 0.14779 | 0.00000 | 316523.1 | 182288.1 | 100632.1 | S |
| 82.875 | 0.0000 | 0.0000 | 86.428 | 0.14777 | 0.00000 | 316523.1 | 182292.5 | 100632.1 | S |
| 82.883 | 0.0000 | 0.0000 | 86.428 | 0.14775 | 0.00000 | 316523.1 | 182297.0 | 100632.1 | S |
| 82.892 | 0.0000 | 0.0000 | 86.427 | 0.14773 | 0.00000 | 316523.1 | 182301.4 | 100632.1 | S |
| 82.900 | 0.0000 | 0.0000 | 86.427 | 0.14771 | 0.00000 | 316523.1 | 182305.8 | 100632.1 | S |
| 82.908 | 0.0000 | 0.0000 | 86.427 | 0.14769 | 0.00000 | 316523.1 | 182310.3 | 100632.1 | S |
| 82.917 | 0.0000 | 0.0000 | 86.427 | 0.14767 | 0.00000 | 316523.1 | 182314.7 | 100632.1 | S |
| 82.925 | 0.0000 | 0.0000 | 86.426 | 0.14765 | 0.00000 | $3 \uparrow 6523.1$ | 182319.1 | 100632.1 | S |
| 82.933 | 0.0000 | 0.0000 | 86.426 | 0.14763 | 0.00000 | 316523.1 | 182323.6 | 100632.1 | S |
| 82.942 | 0.0000 | 0.0000 | 86.426 | 0.14761 | 0.00000 | 316523.1 | 182328.0 | 100632.1 | S |
| 82.950 | 0.0000 | 0.0000 | 86.426 | 0.14759 | 0.00000 | 316523.1 | 182332.4 | 100632.1 | S |
| 82.958 | 0.0000 | 0.0000 | 86.425 | 0.14757 | 0.00000 | 316523.1 | 182336.8 | 100632.1 | S |
| 82.967 | 0.0000 | 0.0000 | 86.425 | 0.14756 | 0.00000 | 316523.1 | 182341.3 | 100632.1 | S |
| 82.975 | 0.0000 | 0.0000 | 86.425 | 0.14754 | 0.00000 | 316523.1 | 182345.7 | 100632.1 | S |
| 82.983 | 0.0000 | 0.0000 | 86.425 | 0.14752 | 0.00000 | 316523.1 | 182350.1 | 100632.1 | S |
| 82.992 | 0.0000 | 0.0000 | 86.424 | 0.14750 | 0.00000 | 316523.1 | 182354.5 | 100632.1 | S |
| 83.000 | 0.0000 | 0.0000 | 86.424 | 0.14748 | 0.00000 | 316523.1 | 182359.0 | 100632.1 | S |
| 83.008 | 0.0000 | 0.0000 | 86.424 | 0.14746 | 0.00000 | 316523.1 | 182363.4 | 100632.1 | S |
| 83.017 | 0.0000 | 0.0000 | 86.424 | 0.14744 | 0.00000 | 316523.1 | 182367.8 | 100632.1 | S |
| 83.025 | 0.0000 | 0.0000 | 86.423 | 0.14742 | 0.00000 | 316523.1 | 182372.3 | 100632.1 | S |
| 83.033 | 0.0000 | 0.0000 | 86.423 | 0.14740 | 0.00000 | 316523.1 | 182376.7 | 100632.1 | S |
| 83.042 | 0.0000 | 0.0000 | 86.423 | 0.14738 | 0.00000 | 316523.1 | 182381.1 | 100632.1 | S |
| 83.050 | 0.0000 | 0.0000 | 86.423 | 0.14736 | 0.00000 | 316523.1 | 182385.5 | 100632.1 | S |
| 83.058 | 0.0000 | 0.0000 | 86.422 | 0.14734 | 0.00000 | 316523.1 | 182389.9 | 100632.1 | S |
| 83.067 | 0.0000 | 0.0000 | 86.422 | 0.14732 | 0.00000 | 316523.1 | 182394.4 | 100632.1 | S |
| 83.075 | 0.0000 | 0.0000 | 86.422 | 0.14730 | 0.00000 | 316523.1 | 182398.8 | 100632.1 | S |
| 83.083 | 0.0000 | 0.0000 | 86.422 | 0.14728 | 0.00000 | 316523.1 | 182403.2 | 100632.1 | S |
| 83.092 | 0.0000 | 0.0000 | 86.421 | 0.14727 | 0.00000 | 316523.1 | 182407.6 | 100632.1 | S |
| 83, 100 | 0.0000 | 0.0000 | 86.421 | 0.14725 | 0.00000 | 316523.1 | 182412.0 | 100632.1 | S |
| 83.108 | 0.0000 | 0.0000 | 86.421 | 0.14723 | 0.00000 | 316523.1 | 182416.4 | 100632.1 | S |
| 83.117 | 0.0000 | 0.0000 | 86.421 | 0.14721 | 0.00000 | 316523.1 | 182420.9 | 100632.1 | S |
| 83.125 | 0.0000 | 0.0000 | 86.420 | 0.14719 | 0.00000 | 316523.1 | 182425.3 | 100632.1 | S |
| 83.133 | 0.0000 | 0.0000 | 86.420 | 0.14717 | 0.00000 | 316523.1 | 182429.7 | 100632.1 | S |
| 83.142 | 0.0000 | 0.0000 | 86.420 | 0.14715 | 0.00000 | 316523.1 | 182434.1 | 100632.1 | S |
| 83.150 | 0.0000 | 0.0000 | 86.420 | 0.14713 | 0.00000 | 316523.1 | 182438.5 | 100632.1 | S |
| 83.158 | 0.0000 | 0.0000 | 86.419 | 0.14711 | 0.00000 | 316523.1 | 182442.9 | 100632.1 | S |
| 83.167 | 0.0000 | 0.0000 | 86.419 | 0.14709 | 0.00000 | 316523.1 | 182447.3 | 100632.1 | S |
| 83.175 | 0.0000 | 0.0000 | 86.419 | 0.14707 | 0.00000 | 316523.1 | 182451.8 | 100632.1 | S |
| 83.183 | 0.0000 | 0.0000 | 86.419 | 0.14705 | 0.00000 | 316523.1 | 182456.2 | 100632.1 | S |
| 83.192 | 0.0000 | 0.0000 | 86.418 | 0.14703 | 0.00000 | 316523.1 | 182460.6 | 100632.1 | S |
| 83.200 | 0.0000 | 0.0000 | 86.418 | 0.14701 | 0.00000 | 316523.1 | 182465.0 | 100632.1 | S |
| 83.208 | 0.0000 | 0.0000 | 86.418 | 0.14700 | 0.00000 | 316523.1 | 182469.4 | 100632.1 | S |
| 83.217 | 0.0000 | 0.0000 | 86.418 | 0.14698 | 0.00000 | 316523.1 | 182473.8 | 100632.1 | S |
| 83.225 | 0.0000 | 0.0000 | 86.417 | 0.14696 | 0.00000 | 316523.1 | 182478.2 | 100632.1 | S |
| 83.233 | 0.0000 | 0.0000 | 86.417 | 0.14694 | 0.00000 | 316523.1 | 182482.6 | \{00632.1 | S |
| 83.242 | 0.0000 | 0.0000 | 86.417 | 0.14692 | 0.00000 | 316523.1 | 182487.0 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (19 datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overfiow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( q $^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( (13 $^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 83.250 | 0.0000 | 0.0000 | 86.417 | 0.14690 | 0.00000 | 316523.1 | 182491.5 | 100632.1 | S |
| 83.258 | 0.0000 | 0.0000 | 86.416 | 0.14688 | 0.00000 | 316523.1 | 182495.9 | 100632.1 | S |
| 83.267 | 0.0000 | 0.0000 | 86.416 | 0.14686 | 0.00000 | 316523.1 | 182500.3 | 100632.1 | S |
| 83.275 | 0.0000 | 0.0000 | 86.416 | 0.14684 | 0.00000 | 316523.1 | 182504.7 | 100632.1 | S |
| 83.283 | 0.0000 | 0.0000 | 86.416 | 0.14682 | 0.00000 | 316523.1 | 182509.1 | 100632.1 | S |
| 83.292 | 0.0000 | 0.0000 | 86.415 | 0.14680 | 0.00000 | 316523.1 | 182513.5 | 100632.1 | S |
| 83.300 | 0.0000 | 0.0000 | 86.415 | 0.14678 | 0.00000 | 316523.1 | 182517.9 | 100632.1 | S |
| 83.308 | 0.0000 | 0.0000 | 86.415 | 0.14676 | 0.00000 | 316523.1 | 182522.3 | 100632.1 | S |
| 83.317 | 0.0000 | 0.0000 | 86.415 | 0.14675 | 0.00000 | 316523.1 | 182526.7 | 100632.1 | S |
| 83.325 | 0.0000 | 0.0000 | 86.414 | 0.14673 | 0.00000 | 316523.1 | 182531.1 | 100632.1 | S |
| 83.333 | 0.0000 | 0.0000 | 86.414 | 0.14671 | 0.00000 | 316523.1 | 182535.5 | 100632.1 | S |
| 83.342 | 0.0000 | 0.0000 | 86.414 | 0.14669 | 0.00000 | 316523.1 | 182539.9 | 100632.1 | S |
| 83.350 | 0.0000 | 0.0000 | 86.414 | 0.14667 | 0.00000 | 316523.1 | 182544.3 | 100632.1 | S |
| 83.358 | 0.0000 | 0.0000 | 86.413 | 0.14665 | 0.00000 | 316523.1 | 182548.7 | 100632.1 | S |
| 83.367 | 0.0000 | 0.0000 | 86.413 | 0.14663 | 0.00000 | 316523.1 | 182553.1 | 100632.1 | S |
| 83.375 | 0.0000 | 0.0000 | 86.413 | 0.14661 | 0.00000 | 316523.1 | 182557.5 | 100632.1 | S |
| 83.383 | 0.0000 | 0.0000 | 86.413 | 0.14659 | 0.00000 | 316523.1 | 182561.9 | 100632.1 | S |
| 83.392 | 0.0000 | 0.0000 | 86.412 | 0.14657 | 0.00000 | 316523.1 | 182566.3 | 100632.1 | S |
| 83.400 | 0.0000 | 0.0000 | 86.412 | 0.14655 | 0.00000 | 316523.1 | 182570.7 | 100632.1 | S |
| 83.408 | 0.0000 | 0.0000 | 86.412 | 0.14653 | 0.00000 | 316523.1 | 182575.1 | 100632.1 | S |
| 83.417 | 0.0000 | 0.0000 | 86.472 | 0.14652 | 0.00000 | 316523.1 | 182579.5 | 100632.1 | S |
| 83.425 | 0.0000 | 0.0000 | 86.411 | 0.14650 | 0.00000 | 316523.1 | 182583.9 | 100632.1 | S |
| 83.433 | 0.0000 | 0.0000 | 86.411 | 0.14648 | 0.00000 | 316523.1 | 182588.3 | 100632.1 | S |
| 83.442 | 0.0000 | 0.0000 | 86.411 | 0.14646 | 0.00000 | 316523.1 | 182592.7 | 100632.1 | S |
| 83.450 | 0.0000 | 0.0000 | 86.411 | 0.14644 | 0.00000 | 316523.1 | 182597.0 | 100632.1 | S |
| 83.458 | 0.0000 | 0.0000 | 86.410 | 0.14642 | 0.00000 | 316523.1 | 182601.4 | 100632.1 | S |
| 83.467 | 0.0000 | 0.0000 | 86.410 | 0.14640 | 0.00000 | 316523.1 | 182605.8 | 100632.1 | S |
| 83.475 | 0.0000 | 0.0000 | 86.410 | 0.14638 | 0.00000 | 316523.1 | 182610.2 | 100632.1 | S |
| 83.483 | 0.0000 | 0.0000 | 86.410 | 0.14636 | 0.00000 | 316523.1 | 182614.6 | 100632.1 | S |
| 83.492 | 0.0000 | 0.0000 | 86.409 | 0.14634 | 0.00000 | 316523.1 | 182619.0 | 100632.1 | S |
| 83.500 | 0.0000 | 0.0000 | 86.409 | 0.14632 | 0.00000 | 316523.1 | 182623.4 | 100632.1 | S |
| 83.508 | 0.0000 | 0.0000 | 86.409 | 0.14631 | 0.00000 | 316523.1 | 182627.8 | 100632.1 | S |
| 83.517 | 0.0000 | 0.0000 | 86.409 | 0.14629 | 0.00000 | 316523.1 | 182632.2 | 100632.1 | S |
| 83.525 | 0.0000 | 0.0000 | 86.408 | 0.14627 | 0.00000 | 316523.1 | 182636.6 | 100632.1 | S |
| 83.533 | 0.0000 | 0.0000 | 86.408 | 0.14625 | 0.00000 | 316523.1 | 182641.0 | 100632.1 | S |
| 83.542 | 0.0000 | 0.0000 | 86.408 | 0.14623 | 0.00000 | 316523.1 | 182645.3 | 100632.1 | S |
| 83.550 | 0.0000 | 0.0000 | 86.408 | 0.14621 | 0.00000 | 316523.1 | 182649.7 | 100632.1 | S |
| 83.558 | 0.0000 | 0.0000 | 86.407 | 0.14619 | 0.00000 | 316523.1 | 182654.1 | 100632.1 | S |
| 83.567 | 0.0000 | 0.0000 | 86.407 | 0.14617 | 0.00000 | 316523.1 | 182658.5 | 100632.1 | S |
| 83.575 | 0.0000 | 0.0000 | 86.407 | 0.14615 | 0.00000 | 316523.1 | 182662.9 | 100632.1 | S |
| 83.583 | 0.0000 | 0.0000 | 86.407 | 0.14613 | 0.00000 | 316523.1 | 182667.3 | 100632.1 | S |
| 83.592 | 0.0000 | 0.0000 | 86.406 | 0.14611 | 0.00000 | 316523.1 | 182671.7 | 100632.1 | S |
| 83.600 | 0.0000 | 0.0000 | 86.406 | 0.14610 | 0.00000 | 316523.1 | 182676.0 | 100632.1 | S |
| 83.608 | 0.0000 | 0.0000 | 86.406 | 0.14608 | 0.00000 | 316523.1 | 182680.4 | 100632. 1 | S |
| 83.617 | 0.0000 | 0.0000 | 86.406 | 0.14606 | 0.00000 | 316523.1 | 182684.8 | 100632.1 | S |
| 83.625 | 0.0000 | 0.0000 | 86.406 | 0.14604 | 0.00000 | 316523.1 | 182689.2 | 100632.1 | S |
| 83.633 | 0.0000 | 0.0000 | 86.405 | 0.14602 | 0.00000 | 316523.1 | 182693.6 | 100632.1 | S |
| 83.642 | 0.0000 | 0.0000 | 86.405 | 0.14600 | 0.00000 | 316523.1 | 182697.9 | 100632.1 | S |
| 83.650 | 0.0000 | 0.0000 | 86.405 | 0.14598 | 0.00000 | 316523.1 | 182702.3 | 100632.1 | S |
| 83.658 | 0.0000 | 0.0000 | 86.405 | 0.14596 | 0.00000 | 316523.1 | 182706.7 | 100632.1 | S |
| 83.667 | 0.0000 | 0.0000 | 86.404 | 0.14594 | 0.00000 | 316523.1 | 182711.1 | 100632.1 | S |
| 83.675 | 0.0000 | 0.0000 | 86.404 | 0.14592 | 0.00000 | 316523.1 | 182715.5 | 100632.1 | S |
| 83.683 | 0.0000 | 0.0000 | 86.404 | 0.14590 | 0.00000 | 316523.1 | 182719.8 | 100632.1 | S |
| 83.692 | 0.0000 | 0.0000 | 86.404 | 0.14589 | 0.00000 | 316523.1 | 182724.2 | 100632.1 | S |
| 83.700 | 0.0000 | 0.0000 | 86.403 | 0.14587 | 0.00000 | 316523.1 | 182728.6 | 100632.1 | S |
| 83.708 | 0.0000 | 0.0000 | 86.403 | 0.14585 | 0.00000 | 316523.1 | 182733.0 | 100632.1 | S |
| 83.717 | 0.0000 | 0.0000 | 86.403 | 0.14583 | 0.00000 | 316523.1 | 182737.3 | 100632.1 | S |
| 83.725 | 0.0000 | 0.0000 | 86.403 | 0.14581 | 0.00000 | 316523.1 | 182741.7 | 100632.1 | S |
| 83.733 | 0.0000 | 0.0000 | 86.402 | 0.14579 | 0.00000 | 316523.1 | 182746.1 | 100632.1 | S |
| 83.742 | 0.0000 | 0.0000 | 86.402 | 0.14577 | 0.00000 | 316523.1 | 182750.5 | 100632.1 | S |
| 83.750 | 0.0000 | 0.0000 | 86.402 | 0.14575 | 0.00000 | 316523.1 | 182754.8 | 100632.1 | S |
| 83.758 | 0.0000 | 0.0000 | 86.402 | 0.14573 | 0.00000 | 316523.1 | 182759.2 | 100632.1 | S |
| 83.767 | 0.0000 | 0.0000 | 86.401 | 0.14571 | 0.00000 | 316523.1 | 182763.6 | 100632.1 | S |
| 83.775 | 0.0000 | 0.0000 | 86.401 | 0.14570 | 0.00000 | 316523.1 | 182768.0 | 100632.1 | S |
| 83.783 | 0.0000 | 0.0000 | 86.401 | 0.14568 | 0.00000 | 316523.1 | 182772.3 | 100632.1 | S |
| 83.792 | 0.0000 | 0.0000 | 86.401 | 0.14566 | 0.00000 | 316523.1 | 182776.7 | 100632.1 | S |
| 83.800 | 0.0000 | 0.0000 | 86.400 | 0.14564 | 0.00000 | 316523.1 | 182781.1 | 100632.1 | S |
| 83.808 | 0.0000 | 0.0000 | 86.400 | 0.14562 | 0.00000 | 316523.1 | 182785.4 | 100632.1 | S |
| 83.817 | 0.0000 | 0.0000 | 86.400 | 0.14560 | 0.00000 | 316523.1 | 182789.8 | 100632.1 | S |
| 83.825 | 0.0000 | 0.0000 | 86.400 | 0.14558 | 0.00000 | 316523.1 | 182794.2 | 100632.1 | S |
| 83.833 | 0.0000 | 0.0000 | 86.399 | 0.14556 | 0.00000 | 316523.1 | 182798.5 | 100632.1 | S |
| 83.842 | 0.0000 | 0.0000 | 86.399 | 0.14554 | 0.00000 | 316523.1 | 182802.9 | 100632.1 | S |
| 83.850 | 0.0000 | 0.0000 | 86.399 | 0.14553 | 0.00000 | 316523.1 | 182807.3 | 100632.1 | S |
| 83.858 | 0.0000 | 0.0000 | 86.399 | 0.14551 | 0.00000 | 316523.1 | 182811.6 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Enflow Rate (fis3/s) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{t}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ff}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | $\begin{aligned} & \text { Flow } \\ & \text { Type } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 83.867 | 0.0000 | 0.0000 | 86.398 | 0.14549 | 0.00000 | 316523.1 | 182816.0 | 100632.1 | S |
| 83.875 | 0.0000 | 0.0000 | 86.398 | 0.14547 | 0.00000 | 316523.1 | 182820.4 | 100632.1 | S |
| 83.883 | 0.0000 | 0.0000 | 86.398 | 0.14545 | 0.00000 | 316523.1 | 182824.7 | 100632.1 | S |
| 83.892 | 0.0000 | 0.0000 | 86.398 | 0.14543 | 0.00000 | 316523.1 | 182829.1 | 100632.1 | 5 |
| 83.900 | 0.0000 | 0.0000 | 86.397 | 0.14541 | 0.00000 | 316523.1 | 182833.5 | 100632.1 | S |
| 83.908 | 0.0000 | 0.0000 | 86.397 | 0.14539 | 0.00000 | 316523.1 | 182837.8 | 100632.1 | S |
| 83.917 | 0.0000 | 0.0000 | 86.397 | 0.14537 | 0.00000 | 316523.1 | 182842.2 | 100632.1 | S |
| 83.925 | 0.0000 | 0.0000 | 86.397 | 0.14535 | 0.00000 | 316523.1 | 182846.5 | 100632.1 | S |
| 83.933 | 0.0000 | 0.0000 | 86.396 | 0.14534 | 0.00000 | 316523.1 | 182850.9 | 100632.1 | S |
| 83.942 | 0.0000 | 0.0000 | 86.396 | 0.14532 | 0.00000 | 316523.1 | 182855.3 | 100632.1 | S |
| 83.950 | 0.0000 | 0.0000 | 86.396 | 0.14530 | 0.00000 | 316523.1 | 182859.6 | 100632.1 | S |
| 83.958 | 0.0000 | 0.0000 | 86.396 | 0.14528 | 0.00000 | 316523.1 | 182864.0 | 100632.1 | S |
| 83.967 | 0.0000 | 0.0000 | 86.395 | 0.14526 | 0.00000 | 316523.1 | 182868.3 | 100632.1 | S |
| 83.975 | 0.0000 | 0.0000 | 86.395 | 0.14524 | 0.00000 | 316523.1 | 182872.7 | 100632.1 | S |
| 83.983 | 0.0000 | 0.0000 | 86.395 | 0.14522 | 0.00000 | 316523.1 | 182877.0 | 100632.1 | S |
| 83.992 | 0.0000 | 0.0000 | 86.395 | 0.14520 | 0.00000 | 316523.1 | 182881.4 | 100632.1 | S |
| 84.000 | 0.0000 | 0.0000 | 86.394 | 0.14518 | 0.00000 | 316523.1 | 182885.8 | 100632.1 | S |
| 84.008 | 0.0000 | 0.0000 | 86.394 | 0.14517 | 0.00000 | 316523.1 | 182890.1 | 100632.1 | S |
| 84.017 | 0.0000 | 0.0000 | 86.394 | 0.14515 | 0.00000 | 316523.1 | 182894.5 | 100632.1 | S |
| 84.025 | 0.0000 | 0.0000 | 86.394 | 0.14513 | 0.00000 | 316523.1 | 182898.8 | 100632.4 | S |
| 84.033 | 0.0000 | 0.0000 | 86.393 | 0.14511 | 0.00000 | 316523.1 | 182903.2 | 100632.1 | S |
| 84.042 | 0.0000 | 0.0000 | 86.393 | 0.14509 | 0.00000 | 316523.1 | 182907.5 | 100632.1 | S |
| 84.050 | 0.0000 | 0.0000 | 86.393 | 0.14507 | 0.00000 | 316523.1 | 182911.9 | 100632.1 | S |
| 84.058 | 0.0000 | 0.0000 | 86.393 | 0.14505 | 0.00000 | $3 \uparrow 6523.1$ | 182916.2 | 100632.1 | S |
| 84.067 | 0.0000 | 0.0000 | 86.392 | 0.14503 | 0.00000 | 316523.1 | 182920.6 | 100632.1 | S |
| 84.075 | 0.0000 | 0.0000 | 86.392 | 0.14502 | 0.00000 | 316523.1 | 182924.9 | 100632.1 | S |
| 84.083 | 0.0000 | 0.0000 | 86.392 | 0.14500 | 0.00000 | 316523.1 | 182929.3 | 100632.1 | S |
| 84.092 | 0.0000 | 0.0000 | 86.392 | 0.14498 | 0.00000 | 316523.1 | 182933.6 | 100632.1 | S |
| 84.100 | 0.0000 | 0.0000 | 86.391 | 0.14496 | 0.00000 | 316523.1 | 182938.0 | 100632.1 | S |
| 84.108 | 0.0000 | 0.0000 | 86.391 | 0.14494 | 0.00000 | 316523.1 | 182942.3 | 100632.1 | S |
| 84.117 | 0.0000 | 0.0000 | 86.391 | 0.14492 | 0.00000 | 316523.1 | 182946.7 | 100632.1 | S |
| 84.125 | 0.0000 | 0.0000 | 86.391 | 0.14490 | 0.00000 | 316523.1 | 182951.0 | 100632.1 | S |
| 84.133 | 0.0000 | 0.0000 | 86.390 | 0.14488 | 0.00000 | 316523.1 | 182955.4 | 100632.1 | S |
| 84.142 | 0.0000 | 0.0000 | 86.390 | 0.14486 | 0.00000 | 316523.1 | 182959.7 | 100632.1 | S |
| 84.150 | 0.0000 | 0.0000 | 86.390 | 0.14485 | 0.00000 | 316523.1 | 182964.1 | 100632.1 | S |
| 84.158 | 0.0000 | 0.0000 | 86.390 | 0.14483 | 0.00000 | 316523.1 | 182968.4 | 100632.1 | S |
| 84.167 | 0.0000 | 0.0000 | 86.389 | 0.14481 | 0.00000 | 316523.1 | 182972.8 | 100632.1 | S |
| 84.175 | 0.0000 | 0.0000 | 86.389 | 0.14479 | 0.00000 | 316523.1 | 182977.1 | 100632.1 | S |
| 84.183 | 0.0000 | 0.0000 | 86.389 | 0.14477 | 0.00000 | 316523.1 | 182981.4 | 100632.1 | S |
| 84.192 | 0.0000 | 0.0000 | 86.389 | 0.14475 | 0.00000 | 316523.1 | 182985.8 | 100632.1 | S |
| 84.200 | 0.0000 | 0.0000 | 86.388 | 0.14473 | 0.00000 | 316523.1 | 182990.1 | 100632.1 | S |
| 84.208 | 0.0000 | 0.0000 | 86.388 | 0.14471 | 0.00000 | 316523.1 | 182994.5 | 100632.1 | S |
| 84.217 | 0.0000 | 0.0000 | 86.388 | 0.14470 | 0.00000 | 316523.1 | 182998.8 | 100632.1 | S |
| 84.225 | 0.0000 | 0.0000 | 86.388 | 0.14468 | 0.00000 | 316523.1 | 183003.1 | 100632.4 | S |
| 84.233 | 0.0000 | 0.0000 | 86.387 | 0.14466 | 0.00000 | 316523.1 | 183007.5 | 100632.1 | S |
| 84.242 | 0.0000 | 0.0000 | 86.387 | 0.14464 | 0.00000 | 316523.1 | 183011.8 | 100632.1 | S |
| 84.250 | 0.0000 | 0.0000 | 86.387 | 0.14462 | 0.00000 | 316523.1 | 183016.2 | 100632.1 | S |
| 84.258 | 0.0000 | 0.0000 | 86.387 | 0.14460 | 0.00000 | 316523.1 | 183020.5 | 100632.1 | S |
| 84.267 | 0.0000 | 0.0000 | 86.386 | 0.14458 | 0.00000 | 316523.1 | 183024.8 | 100632.1 | S |
| 84.275 | 0.0000 | 0.0000 | 86.386 | 0.14456 | 0.00000 | 316523.1 | 183029.2 | 100632.1 | S |
| 84.283 | 0.0000 | 0.0000 | 86.386 | 0.14455 | 0.00000 | 316523.1 | 183033.5 | 100632.1 | S |
| 84.292 | 0.0000 | 0.0000 | 86.386 | 0.14453 | 0.00000 | 316523.1 | 183037.8 | 100632.1 | S |
| 84.300 | 0.0000 | 0.0000 | 86.385 | 0.14451 | 0.00000 | 316523.1 | 183042.2 | 100632.1 | S |
| 84.308 | 0.0000 | 0.0000 | 86.385 | 0.14449 | 0.00000 | 316523.1 | 183046.5 | 100632.1 | S |
| 84.317 | 0.0000 | 0.0000 | 86.385 | 0.14447 | 0.00000 | 316523.1 | $\ddagger 83050.9$ | 100632.1 | S |
| 84.325 | 0.0000 | 0.0000 | 86.385 | 0.14445 | 0.00000 | 316523.1 | 183055.2 | 100632.1 | S |
| 84.333 | 0.0000 | 0.0000 | 86.384 | 0.14443 | 0.00000 | 316523.1 | 183059.5 | 100632.1 | S |
| 84.342 | 0.0000 | 0.0000 | 86.384 | 0.14441 | 0.00000 | 316523.1 | 183063.9 | $\ddagger 00632.1$ | S |
| 84.350 | 0.0000 | 0.0000 | 86.384 | 0.14440 | 0.00000 | 316523.1 | 183068.2 | 100632.1 | S |
| 84.358 | 0.0000 | 0.0000 | 86.384 | 0.14438 | 0.00000 | 316523.1 | 183072.5 | 100632.1 | S |
| 84.367 | 0.0000 | 0.0000 | 86.383 | 0.14436 | 0.00000 | 316523.1 | 183076.8 | 100632.1 | S |
| 84.375 | 0.0000 | 0.0000 | 86.383 | 0.14434 | 0.00000 | 316523.1 | 183081.2 | 100632.1 | S |
| 84.383 | 0.0000 | 0.0000 | 86.383 | 0.14432 | 0.00000 | 316523.1 | 183085.5 | 100632.1 | S |
| 84.392 | 0.0000 | 0.0000 | 86.383 | 0.14430 | 0.00000 | 316523.1 | 183089.8 | 100632.1 | S |
| 84.400 | 0.0000 | 0.0000 | 86.383 | 0.14428 | 0.00000 | 316523.1 | 183094.2 | 100632.1 | S |
| 84.408 | 0.0000 | 0.0000 | 86.382 | 0.14426 | 0.00000 | 316523.1 | 183098.5 | 100632.1 | S |
| 84.417 | 0.0000 | 0.0000 | 86.382 | 0.14425 | 0.00000 | 316523.1 | 183102.8 | 100632.1 | S |
| 84.425 | 0.0000 | 0.0000 | 86.382 | 0.14423 | 0.00000 | 316523.1 | 183107.2 | 100632.1 | S |
| 84.433 | 0.0000 | 0.0000 | 86.382 | 0.14421 | 0.00000 | 316523.1 | 183111.5 | 100632.1 | S |
| 84.442 | 0.0000 | 0.0000 | 86.381 | 0.14419 | 0.00000 | 316523.1 | 183115.8 | 100632.1 | S |
| 84.450 | 0.0000 | 0.0000 | 86,381 | 0.14417 | 0.00000 | 316523.1 | 183120.1 | 100632.1 | S |
| 84.458 | 0.0000 | 0.0000 | 86.381 | 0.14415 | 0.00000 | 316523.1 | 183124.5 | 100632.1 | S |
| 84.467 | 0.0000 | 0.0000 | 86.381 | 0.14413 | 0.00000 | 316523.1 | 183128.8 | 100632.1 | S |
| 84.475 | 0.0000 | 0.0000 | 86.380 | 0.14412 | 0.00000 | 316523.1 | 183133.1 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/overflow

| Elapsed Time (hours) | Inflow Rate (f $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 /} \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume (ft ${ }^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{fl}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 84.483 | 0.0000 | 0.0000 | 86.380 | 0.14410 | 0.00000 | 316523.1 | 183137.4 | 100632.1 | S |
| 84.492 | 0.0000 | 0.0000 | 86.380 | 0.14408 | 0.00000 | 316523.1 | 183141.8 | 100632.1 | S |
| 84.500 | 0.0000 | 0.0000 | 86.380 | 0.14406 | 0.00000 | 316523.1 | 183146.1 | 100632.1 | S |
| 84.508 | 0.0000 | 0.0000 | 86.379 | 0.14404 | 0.00000 | 316523.1 | 183150.4 | 100632.1 | S |
| 84.517 | 0.0000 | 0.0000 | 86.379 | 0.14402 | 0.00000 | 316523.1 | 183154.7 | 100632.1 | S |
| 84.525 | 0.0000 | 0.0000 | 86.379 | 0.14400 | 0.00000 | 316523.1 | 183159.0 | 100632.1 | S |
| 84.533 | 0.0000 | 0.0000 | 86.379 | 0.14398 | 0.00000 | 316523.1 | 183163.4 | 100632.1 | S |
| 84.542 | 0.0000 | 0.0000 | 86.378 | 0.14397 | 0.00000 | 316523.1 | 183167.7 | 100632.1 | S |
| 84.550 | 0.0000 | 0.0000 | 86.378 | 0.14395 | 0.00000 | 316523.1 | 183172.0 | 100632.1 | S |
| 84.558 | 0.0000 | 0.0000 | 86.378 | 0.14393 | 0.00000 | 316523.1 | 183176.3 | 100632.1 | S |
| 84.567 | 0.0000 | 0.0000 | 86.378 | 0.14391 | 0.00000 | 316523.1 | 183180.6 | 100632.1 | S |
| 84.575 | 0.0000 | 0.0000 | 86.377 | 0.14389 | 0.00000 | 316523.1 | 183184.9 | 100632.1 | S |
| 84.583 | 0.0000 | 0.0000 | 86.377 | 0.14387 | 0.00000 | 316523.1 | 183189.3 | 100632.1 | S |
| 84.592 | 0.0000 | 0.0000 | 86.377 | 0.14385 | 0.00000 | 316523.1 | 183193.6 | 100632.1 | S |
| 84.600 | 0.0000 | 0.0000 | 86.377 | 0.14384 | 0.00000 | 316523.1 | 183197.9 | 100632.1 | S |
| 84.608 | 0.0000 | 0.0000 | 86.376 | 0.14382 | 0.00000 | 316523.1 | 183202.2 | 100632.1 | S |
| 84.617 | 0.0000 | 0.0000 | 86.376 | 0.14380 | 0.00000 | 316523.1 | 183206.5 | 100632.1 | S |
| 84.625 | 0.0000 | 0.0000 | 86.376 | 0.14378 | 0.00000 | 316523.1 | 183210.8 | 100632.1 | S |
| 84.633 | 0.0000 | 0.0000 | 86.376 | 0.14376 | 0.00000 | 316523.1 | 183215.1 | 100632.1 | S |
| 84.642 | 0.0000 | 0.0000 | 86.375 | 0.14374 | 0.00000 | 316523.1 | 183219.5 | 100632.1 | S |
| 84.650 | 0.0000 | 0.0000 | 86.375 | 0.14372 | 0.00000 | 316523.1 | 183223.8 | 100632.1 | S |
| 84.658 | 0.0000 | 0.0000 | 86.375 | 0.14371 | 0.00000 | 316523.1 | 183228.1 | 100632.1 | S |
| 84.667 | 0.0000 | 0.0000 | 86.375 | 0.14369 | 0.00000 | 316523.1 | 183232.4 | 100632.1 | S |
| 84.675 | 0.0000 | 0.0000 | 86.374 | 0.14367 | 0.00000 | 316523.1 | 183236.7 | 100632.1 | S |
| 84.683 | 0.0000 | 0.0000 | 86.374 | 0.14365 | 0.00000 | 316523.1 | 183241.0 | 100632.1 | S |
| 84.692 | 0.0000 | 0.0000 | 86.374 | 0.14363 | 0.00000 | 316523.1 | 183245.3 | 100632.1 | S |
| 84.700 | 0.0000 | 0.0000 | 86.374 | 0.14361 | 0.00000 | 316523.1 | 183249.6 | 100632.1 | S |
| 84.708 | 0.0000 | 0.0000 | 86.373 | 0.14359 | 0.00000 | 316523.1 | 183253.9 | 100632.1 | S |
| 84.717 | 0.0000 | 0.0000 | 86.373 | 0.14358 | 0.00000 | 316523.1 | 783258.3 | 100632.1 | S |
| 84.725 | 0.0000 | 0.0000 | 86.373 | 0.14356 | 0.00000 | 316523.1 | 183262.6 | 100632.1 | S |
| 84.733 | 0.0000 | 0.0000 | 86.373 | 0.14354 | 0.00000 | 316523.1 | 183266.9 | 100632.1 | S |
| 84.742 | 0.0000 | 0.0000 | 86.372 | 0.14352 | 0.00000 | 316523.1 | 183271.2 | 100632.1 | S |
| 84.750 | 0.0000 | 0.0000 | 86.372 | 0.14350 | 0.00000 | 316523.1 | 183275.5 | 100632.1 | S |
| 84.758 | 0.0000 | 0.0000 | 86.372 | 0.14348 | 0.00000 | 316523.1 | 183279.8 | 100632.1 | S |
| 84.767 | 0.0000 | 0.0000 | 86.372 | 0.14346 | 0.00000 | 316523.1 | 183284.7 | 100632.1 | S |
| 84.775 | 0.0000 | 0.0000 | 86.371 | 0.14345 | 0.00000 | 316523.1 | 183288.4 | 100632.1 | S |
| 84.783 | 0.0000 | 0.0000 | 86.371 | 0.14343 | 0.00000 | 316523.1 | 183292.7 | 100632.1 | S |
| 84.792 | 0.0000 | 0.0000 | 86.371 | 0.14341 | 0.00000 | 316523.1 | 183297.0 | 100632.1 | S |
| 84.800 | 0.0000 | 0.0000 | 86.371 | 0.14339 | 0.00000 | 316523.1 | 183301.3 | 100632.1 | S |
| 84.808 | 0.0000 | 0.0000 | 86.370 | 0.14337 | 0.00000 | 316523.1 | 183305.6 | 100632. 1 | S |
| 84.817 | 0.0000 | 0.0000 | 86.370 | 0.14335 | 0.00000 | 316523.1 | 183309.9 | 100632.1 | S |
| 84.825 | 0.0000 | 0.0000 | 86.370 | 0.14334 | 0.00000 | 316523.1 | 183314.2 | 100632.1 | S |
| 84.833 | 0.0000 | 0.0000 | 86.370 | 0.14332 | 0.00000 | 316523.1 | 183318.5 | 100632.1 | S |
| 84.842 | 0.0000 | 0.0000 | 86.369 | 0.14330 | 0.00000 | 316523.1 | 183322.8 | 100632.1 | S |
| 84.850 | 0.0000 | 0.0000 | 86.369 | 0.14328 | 0.00000 | 316523.1 | 183327.1 | 100632.1 | S |
| 84.858 | 0.0000 | 0.0000 | 86.369 | 0.14326 | 0.00000 | 316523.1 | 183331.4 | 100632.1 | S |
| 84.867 | 0.0000 | 0.0000 | 86.369 | 0.14324 | 0.00000 | 316523.1 | 183335.7 | 100632.1 | S |
| 84.875 | 0.0000 | 0.0000 | 86.369 | 0.14322 | 0.00000 | 316523.1 | 183340.0 | 100632.1 | S |
| 84.883 | 0.0000 | 0.0000 | 86.368 | 0.14321 | 0.00000 | 316523.1 | 183344.3 | 100632.1 | S |
| 84.892 | 0.0000 | 0.0000 | 86.368 | 0.14319 | 0.00000 | $3 \uparrow 6523.1$ | 183348.6 | 100632.1 | S |
| 84.900 | 0.0000 | 0.0000 | 86.368 | 0.14317 | 0.00000 | 316523.1 | 183352.9 | 100632.1 | S |
| 84.908 | 0.0000 | 0.0000 | 86.368 | 0.14315 | 0.00000 | 316523.1 | 183357.2 | 100632.1 | S |
| 84.917 | 0.0000 | 0.0000 | 86.367 | 0.14313 | 0.00000 | 316523.1 | 183361.5 | 100632.1 | S |
| 84.925 | 0.0000 | 0.0000 | 86.367 | 0.14311 | 0.00000 | 316523.1 | 183365.8 | 100632.1 | S |
| 84.933 | 0.0000 | 0.0000 | 86.367 | 0.14310 | 0.00000 | 316523.1 | 183370.0 | 100632.1 | S |
| 84.942 | 0.0000 | 0.0000 | 86.367 | 0.14308 | 0.00000 | 316523.1 | 183374.3 | 100632.1 | S |
| 84.950 | 0.0000 | 0.0000 | 86.366 | 0.14306 | 0.00000 | 316523.1 | 183378.6 | 100632.1 | S |
| 84.958 | 0.0000 | 0.0000 | 86.366 | 0.14304 | 0.00000 | 316523.1 | 183382.9 | 100632.1 | S |
| 84.967 | 0.0000 | 0.0000 | 86.366 | 0.14302 | 0.00000 | 316523.1 | 183387.2 | 100632.1 | S |
| 84.975 | 0.0000 | 0.0000 | 86.366 | 0.14300 | 0.00000 | 316523.1 | 183391.5 | 100632.1 | S |
| 84.983 | 0.0000 | 0.0000 | 86.365 | 0.14298 | 0.00000 | 316523.1 | 183395.8 | 100632.1 | S |
| 84.992 | 0.0000 | 0.0000 | 86.365 | 0.14297 | 0.00000 | 316523.1 | 183400.1 | 100632.1 | S |
| 85.000 | 0.0000 | 0.0000 | 86.365 | 0.14295 | 0.00000 | 316523.1 | 183404.4 | 100632.1 | S |
| 85.008 | 0.0000 | 0.0000 | 86.365 | 0.14293 | 0.00000 | 316523.1 | 183408.7 | 100632.1 | S |
| 85.017 | 0.0000 | 0.0000 | 86.364 | 0.14291 | 0.00000 | 316523.1 | 183413.0 | 100632.1 | S |
| 85.025 | 0.0000 | 0.0000 | 86.364 | 0.14289 | 0.00000 | 316523.1 | 183417.2 | 100632.1 | S |
| 85.033 | 0.0000 | 0.0000 | 86.364 | 0.14287 | 0.00000 | 316523.1 | 183421.5 | 100632.1 | S |
| 85.042 | 0.0000 | 0.0000 | 86.364 | 0.14286 | 0.00000 | 316523.1 | 183425.8 | 100632.1 | S |
| 85.050 | 0.0000 | 0.0000 | 86.363 | 0.14284 | 0.00000 | 316523.1 | 183430.1 | 100632.1 | S |
| 85.058 | 0.0000 | 0.0000 | 86.363 | 0.14282 | 0.00000 | 316523.1 | 183434.4 | 100632.1 | S |
| 85.067 | 0.0000 | 0.0000 | 86.363 | 0.14280 | 0.00000 | 316523.1 | 183438.7 | 100632.1 | S |
| 85.075 | 0.0000 | 0.0000 | 86.363 | 0.14278 | 0.00000 | 316523.1 | 183443.0 | 100632.1 | S |
| 85.083 | 0.0000 | 0.0000 | 86.362 | 0.14276 | 0.00000 | 316523.1 | 183447.2 | 100632.1 | S |
| 85.092 | 0.0000 | 0.0000 | 86.362 | 0.14275 | 0.00000 | 316523.1 | 183451.5 | 100632.1 | S |

PONDS Version 3.2.0207
Copyright 2003
Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside <br> Recharge (ft/day) | Stage Elevation (It datum) | Infiltration Rate ( $\mathrm{ft}^{3 /} / \mathrm{s}$ ) | Overfiow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 85.100 | 0.0000 | 0.0000 | 86.362 | 0.14273 | 0.00000 | 316523.1 | 183455.8 | 100632.1 | S |
| 85.108 | 0.0000 | 0.0000 | 86.362 | 0.14271 | 0.00000 | 316523.1 | 183460.1 | 100632.1 | S |
| 85.117 | 0.0000 | 0.0000 | 86.361 | 0.14269 | 0.00000 | 316523.1 | 183464.4 | 100632.1 | S |
| 85.125 | 0.0000 | 0.0000 | 86.361 | 0.14267 | 0.00000 | 316523.1 | 183468.6 | 100632.1 | S |
| 85.133 | 0.0000 | 0.0000 | 86.361 | 0.14265 | 0.00000 | 316523.1 | 183472.9 | 100632.1 | S |
| 85.142 | 0.0000 | 0.0000 | 86.361 | 0.14264 | 0.00000 | 316523.1 | 183477.2 | 100632.1 | S |
| 85.150 | 0.0000 | 0.0000 | 86.360 | 0.14262 | 0.00000 | 316523.1 | 183481.5 | 100632.1 | S |
| 85.158 | 0.0000 | 0.0000 | 86.360 | 0.14260 | 0.00000 | 316523.1 | 183485.8 | 100632.1 | S |
| 85.167 | 0.0000 | 0.0000 | 86.360 | 0.14258 | 0.00000 | 316523.1 | 183490.0 | 100632.1 | S |
| 85.175 | 0.0000 | 0.0000 | 86.360 | 0.14256 | 0.00000 | 316523.1 | 183494.3 | 100632.1 | S |
| 85.183 | 0.0000 | 0.0000 | 86.359 | 0.14254 | 0.00000 | 316523.1 | 183498.6 | 100632.1 | S |
| 85.192 | 0.0000 | 0.0000 | 86.359 | 0.14253 | 0.00000 | 316523.1 | 183502.9 | 100632.1 | S |
| 85.200 | 0.0000 | 0.0000 | 86.359 | 0.14251 | 0.00000 | 316523.1 | 183507.1 | 100632.1 | S |
| 85.208 | 0.0000 | 0.0000 | 86.359 | 0.14249 | 0.00000 | 316523.1 | 183511.4 | 100632.1 | S |
| 85.217 | 0.0000 | 0.0000 | 86.358 | 0.14247 | 0.00000 | 316523.1 | 183515.7 | 100632.1 | S |
| 85.225 | 0.0000 | 0.0000 | 86.358 | 0.14245 | 0.00000 | 316523.1 | 183520.0 | 100632.1 | S |
| 85.233 | 0.0000 | 0.0000 | 86.358 | 0.14243 | 0.00000 | 316523.1 | 183524.2 | 100632.1 | S |
| 85.242 | 0.0000 | 0.0000 | 86.358 | 0.14242 | 0.00000 | 316523.1 | 183528.5 | 100632.1 | S |
| 85.250 | 0.0000 | 0.0000 | 86.358 | 0.14240 | 0.00000 | 316523.1 | 183532.8 | 100632.1 | S |
| 85.258 | 0.0000 | 0.0000 | 86.357 | 0.14238 | 0.00000 | 316523.1 | 183537.0 | 100632.1 | S |
| 85.267 | 0.0000 | 0.0000 | 86.357 | 0.14236 | 0.00000 | 316523.1 | 183541.3 | 100632.1 | S |
| 85.275 | 0.0000 | 0.0000 | 86.357 | 0.14234 | 0.00000 | 316523.1 | 183545.6 | 100632.1 | S |
| 85.283 | 0.0000 | 0.0000 | 86.357 | 0.14232 | 0.00000 | 316523.1 | 183549.9 | 100632.1 | S |
| 85.292 | 0.0000 | 0.0000 | 86.356 | 0.14231 | 0.00000 | 316523.1 | 183554.1 | 100632.1 | S |
| 85.300 | 0.0000 | 0.0000 | 86.356 | 0.14229 | 0.00000 | 316523.1 | 183558.4 | 100632.1 | S |
| 85.308 | 0.0000 | 0.0000 | 86.356 | 0.14227 | 0.00000 | 316523.1 | 183562.7 | 100632.1 | S |
| 85.317 | 0.0000 | 0.0000 | 86.356 | 0.14225 | 0.00000 | 316523.1 | 183566.9 | 100632.1 | S |
| 85.325 | 0.0000 | 0.0000 | 86.355 | 0.14223 | 0.00000 | 316523.1 | 183571.2 | 100632.1 | S |
| 85.333 | 0.0000 | 0.0000 | 86.355 | 0.14221 | 0.00000 | 316523.1 | 183575.5 | 100632.1 | S |
| 85.342 | 0.0000 | 0.0000 | 86.355 | 0.14220 | 0.00000 | 316523.1 | 183579.7 | 100632.1 | S |
| 85.350 | 0.0000 | 0.0000 | 86.355 | 0.14218 | 0.00000 | 316523.1 | 183584.0 | 100632.1 | S |
| 85.358 | 0.0000 | 0.0000 | 86.354 | 0.14216 | 0.00000 | 316523.1 | 183588.3 | 100632.1 | S |
| 85.367 | 0.0000 | 0.0000 | 86.354 | 0.14214 | 0.00000 | 316523.1 | 183592.5 | 100632.1 | S |
| 85.375 | 0.0000 | 0.0000 | 86.354 | 0.14212 | 0.00000 | 316523.1 | 483596.8 | 100632.1 | S |
| 85.383 | 0.0000 | 0.0000 | 86.354 | 0.14210 | 0.00000 | 316523.1 | 183601.1 | 100632.1 | S |
| 85.392 | 0.0000 | 0.0000 | 86.353 | 0.14209 | 0.00000 | 316523.1 | 183605.3 | \{00632.1 | S |
| 85.400 | 0.0000 | 0.0000 | 86.353 | 0.14207 | 0.00000 | 316523.1 | 183609.6 | 100632.1 | S |
| 85.408 | 0.0000 | 0.0000 | 86.353 | 0.14205 | 0.00000 | 316523.1 | 183613.8 | 100632.1 | S |
| 85.417 | 0.0000 | 0.0000 | 86.353 | 0.14203 | 0.00000 | 316523.1 | 183618.1 | 100632.1 | S |
| 85.425 | 0.0000 | 0.0000 | 86.352 | 0.14201 | 0.00000 | 316523.1 | 183622.4 | 100632.1 | S |
| 85.433 | 0.0000 | 0.0000 | 86.352 | 0.14200 | 0.00000 | 316523.1 | 183626.6 | 100632.1 | S |
| 85.442 | 0.0000 | 0.0000 | 86.352 | 0.14198 | 0.00000 | 316523.1 | 183630.9 | 100632.1 | S |
| 85.450 | 0.0000 | 0.0000 | 86.352 | 0.14196 | 0.00000 | 316523.1 | 183635.1 | 100632.1 | S |
| 85.458 | 0.0000 | 0.0000 | 86.351 | 0.14194 | 0.00000 | 316523.1 | 183639.4 | 100632.1 | S |
| 85.467 | 0.0000 | 0.0000 | 86.351 | 0.14192 | 0.00000 | 316523.1 | 183643.7 | 100632.1 | S |
| 85.475 | 0.0000 | 0.0000 | 86.351 | 0.14190 | 0.00000 | 316523.1 | 183647.9 | 100632.1 | S |
| 85.483 | 0.0000 | 0.0000 | 86.351 | 0.14189 | 0.00000 | 316523.1 | 183652.2 | 100632.1 | S |
| 85.492 | 0.0000 | 0.0000 | 86.350 | 0.14187 | 0.00000 | 316523.1 | 183656.4 | 100632.1 | S |
| 85.500 | 0.0000 | 0.0000 | 86.350 | 0.14185 | 0.00000 | 316523.1 | 183660.7 | 100632.1 | S |
| 85.508 | 0.0000 | 0.0000 | 86.350 | 0.14183 | 0.00000 | 316523.1 | 183665.0 | 100632.1 | S |
| 85.517 | 0.0000 | 0.0000 | 86.350 | 0.14181 | 0.00000 | 316523.1 | 183669.2 | 100632.1 | S |
| 85.525 | 0.0000 | 0.0000 | 86.349 | 0.14179 | 0.00000 | 316523.1 | 183673.5 | 100632.1 | S |
| 85.533 | 0.0000 | 0.0000 | 86.349 | 0.14178 | 0.00000 | 316523.1 | 183677.7 | 100632.1 | S |
| 85.542 | 0.0000 | 0.0000 | 86.349 | 0.14176 | 0.00000 | 316523.1 | 183682.0 | 100632.1 | S |
| 85.550 | 0.0000 | 0.0000 | 86.349 | 0.14174 | 0.00000 | 316523.1 | 183686.2 | 100632.1 | S |
| 85.558 | 0.0000 | 0.0000 | 86.348 | 0.14172 | 0.00000 | 316523.1 | 183690.5 | 100632.1 | S |
| 85.567 | 0.0000 | 0.0000 | 86.348 | 0.14170 | 0.00000 | 316523.1 | 183694.7 | 100632.1 | S |
| 85.575 | 0.0000 | 0.0000 | 86.348 | 0.14169 | 0.00000 | 316523.1 | 183699.0 | 100632.1 | S |
| 85.583 | 0.0000 | 0.0000 | 86.348 | 0.14167 | 0.00000 | 316523.1 | 183703.2 | 100632.1 | S |
| 85.592 | 0.0000 | 0.0000 | 86.348 | 0.14165 | 0.00000 | 316523.1 | 183707.5 | 100632.1 | S |
| 85.600 | 0.0000 | 0.0000 | 86.347 | 0.14163 | 0.00000 | 316523.1 | 183711.7 | 100632.1 | S |
| 85.608 | 0.0000 | 0.0000 | 86.347 | 0.14161 | 0.00000 | 316523.1 | 183716.0 | 100632.1 | S |
| 85.617 | 0.0000 | 0.0000 | 86.347 | 0.14160 | 0.00000 | 316523.1 | 183720.2 | 100632.1 | S |
| 85.625 | 0.0000 | 0.0000 | 86.347 | 0.14158 | 0.00000 | 316523.1 | 183724.5 | 100632.1 | S |
| 85.633 | 0.0000 | 0.0000 | 86.346 | 0.14156 | 0.00000 | 316523.1 | 183728.7 | 100632.1 | S |
| 85.642 | 0.0000 | 0.0000 | 86.346 | 0.14154 | 0.00000 | 316523.1 | 183733.0 | 100632.1 | S |
| 85.650 | 0.0000 | 0.0000 | 86.346 | 0.14152 | 0.00000 | 316523.1 | 183737.2 | 100632.1 | S |
| 85.658 | 0.0000 | 0.0000 | 86.346 | 0.14150 | 0.00000 | 316523.1 | 183741.5 | 100632.1 | S |
| 85.667 | 0.0000 | 0.0000 | 86.345 | 0.14149 | 0.00000 | 316523.1 | 183745.7 | 100632.1 | S |
| 85.675 | 0.0000 | 0.0000 | 86.345 | 0.14147 | 0.00000 | 316523.1 | 183749.9 | 100632.1 | S |
| 85.683 | 0.0000 | 0.0000 | 86.345 | 0.14145 | 0.00000 | 316523.1 | 183754.2 | 100632.1 | S |
| 85.692 | 0.0000 | 0.0000 | 86.345 | 0.14143 | 0.00000 | 316523.1 | 183758.4 | 100632.1 | S |
| 85.700 | 0.0000 | 0.0000 | 86.344 | 0.14141 | 0.00000 | 316523.1 | 183762.7 | 100632.1 | S |
| 85.708 | 0.0000 | 0.0000 | 86.344 | 0.14140 | 0.00000 | 316523.1 | 183766.9 | 100632.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont, d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume (ft ${ }^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{2}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 85.717 | 0.0000 | 0.0000 | 86.344 | 0.14138 | 0.00000 | 316523.1 | 183771.2 | 100632.1 | S |
| 85.725 | 0.0000 | 0.0000 | 86.344 | 0.14136 | 0.00000 | 316523.1 | 183775.4 | 100632.1 | S |
| 85.733 | 0.0000 | 0.0000 | 86.343 | 0.14134 | 0.00000 | 316523.1 | 183779.6 | 100632.1 | S |
| 85.742 | 0.0000 | 0.0000 | 86.343 | 0.14132 | 0.00000 | 316523.1 | 183783.9 | 100632.1 | S |
| 85.750 | 0.0000 | 0.0000 | 86.343 | 0.14131 | 0.00000 | 316523.1 | 183788.1 | 100632.1 | S |
| 85.758 | 0.0000 | 0.0000 | 86.343 | 0.14129 | 0.00000 | 316523.1 | 183792.3 | 100632.1 | S |
| 85.767 | 0.0000 | 0.0000 | 86.342 | 0.14127 | 0.00000 | 316523.1 | 183796.6 | 100632.1 | S |
| 85.775 | 0.0000 | 0.0000 | 86.342 | 0.14125 | 0.00000 | 316523.1 | 183800.8 | 100632.1 | S |
| 85.783 | 0.0000 | 0.0000 | 86.342 | 0.14123 | 0.00000 | 316523.1 | 183805.1 | 100632.1 | S |
| 85.792 | 0.0000 | 0.0000 | 86.342 | 0.14121 | 0.00000 | 316523.1 | 183809.3 | 100632.1 | S |
| 85.800 | 0.0000 | 0.0000 | 86.341 | 0.14120 | 0.00000 | 316523.1 | 183813.5 | 100632.1 | S |
| 85.808 | 0.0000 | 0.0000 | 86.341 | 0.14118 | 0.00000 | 316523.1 | 183817.8 | 100632.1 | S |
| 85.817 | 0.0000 | 0.0000 | 86.341 | 0.14116 | 0.00000 | 316523.1 | 183822.0 | 100632.1 | S |
| 85.825 | 0.0000 | 0.0000 | 86.341 | 0.14114 | 0.00000 | 316523.1 | 183826.2 | 100632.1 | S |
| 85.833 | 0.0000 | 0.0000 | 86.340 | 0.14112 | 0.00000 | 316523.1 | 183830.5 | 100632.1 | S |
| 85.842 | 0.0000 | 0.0000 | 86.340 | 0.14111 | 0.00000 | 316523.1 | 183834.7 | 100632.1 | S |
| 85.850 | 0.0000 | 0.0000 | 86.340 | 0.14109 | 0.00000 | 316523.1 | 183838.9 | 100632.1 | S |
| 85.858 | 0.0000 | 0.0000 | 86.340 | 0.14107 | 0.00000 | 316523.1 | 183843.2 | 100632.1 | S |
| 85.867 | 0.0000 | 0.0000 | 86.339 | 0.14105 | 0.00000 | 316523.1 | 183847.4 | 100632.1 | S |
| 85.875 | 0.0000 | 0.0000 | 86.339 | 0.14103 | 0.00000 | 316523.1 | 183851.6 | 100632.1 | S |
| 85.883 | 0.0000 | 0.0000 | 86.339 | 0.14102 | 0.00000 | 316523.1 | 183855.9 | 100632.1 | S |
| 85.892 | 0.0000 | 0.0000 | 86.339 | 0.14100 | 0.00000 | 316523.1 | 183860.1 | 100632.1 | S |
| 85.900 | 0.0000 | 0.0000 | 86.339 | 0.14098 | 0.00000 | 316523.1 | 183864.3 | 100632.1 | S |
| 85.908 | 0.0000 | 0.0000 | 86.338 | 0.14096 | 0.00000 | 316523.1 | 183868.6 | 100632.1 | S |
| 85.917 | 0.0000 | 0.0000 | 86.338 | 0.14094 | 0.00000 | 316523.1 | 183872.8 | 100632.1 | S |
| 85.925 | 0.0000 | 0.0000 | 86.338 | 0.14093 | 0.00000 | 316523.1 | 183877.0 | 100632.1 | S |
| 85.933 | 0.0000 | 0.0000 | 86.338 | 0.14091 | 0.00000 | 316523.1 | 183881.2 | 100632.1 | S |
| 85.942 | 0.0000 | 0.0000 | 86.337 | 0.14089 | 0.00000 | 316523.1 | 183885.5 | 100632.1 | S |
| 85.950 | 0.0000 | 0.0000 | 86.337 | 0.14087 | 0.00000 | 316523.1 | 183889.7 | 100632.1 | S |
| 85.958 | 0.0000 | 0.0000 | 86.337 | 0.14085 | 0.00000 | 316523.1 | 183893.9 | 100632.1 | S |
| 85.967 | 0.0000 | 0.0000 | 86.337 | 0.14084 | 0.00000 | 316523.1 | 183898.1 | 100632.1 | S |
| 85.975 | 0.0000 | 0.0000 | 86.336 | 0.14082 | 0.00000 | 316523.1 | 183902.4 | 100632.1 | S |
| 85.983 | 0.0000 | 0.0000 | 86.336 | 0.14080 | 0.00000 | 316523.1 | 183906.6 | 100632.1 | S |
| 85.992 | 0.0000 | 0.0000 | 86.336 | 0.14078 | 0.00000 | 316523.1 | 183910.8 | 100632.1 | S |
| 86.000 | 0.0000 | 0.0000 | 86.336 | 0.14076 | 0.00000 | 316523.1 | 183915.0 | 100632.1 | S |
| 86.008 | 0.0000 | 0.0000 | 86.335 | 0.14075 | 0.00000 | 316523.1 | 183919.3 | 100632.1 | S |
| 86.017 | 0.0000 | 0.0000 | 86.335 | 0.14073 | 0.00000 | 316523.1 | 183923.5 | 100632.1 | S |
| 86.025 | 0.0000 | 0.0000 | 86.335 | 0.14071 | 0.00000 | 316523.1 | 183927.7 | 100632.1 | S |
| 86.033 | 0.0000 | 0.0000 | 86.335 | 0.14069 | 0.00000 | 316523.1 | 183931.9 | 100632.1 | S |
| 86.042 | 0.0000 | 0.0000 | 86.334 | 0.14067 | 0.00000 | 316523.1 | 183936.2 | 100632.1 | S |
| 86.050 | 0.0000 | 0.0000 | 86.334 | 0.14066 | 0.00000 | 316523.1 | 183940.4 | 100632.1 | S |
| 86.058 | 0.0000 | 0.0000 | 86.334 | 0.14064 | 0.00000 | 316523.1 | 183944.6 | 100632.1 | S |
| 86.067 | 0.0000 | 0.0000 | 86.334 | 0.14062 | 0.00000 | 316523.1 | 183948.8 | 100632.1 | S |
| 86.075 | 0.0000 | 0.0000 | 86.333 | 0.14060 | 0.00000 | 316523.1 | 183953.0 | 100632.1 | S |
| 86.083 | 0.0000 | 0.0000 | 86.333 | 0.14058 | 0.00000 | 316523.1 | 183957.3 | 100632.1 | S |
| 86.092 | 0.0000 | 0.0000 | 86.333 | 0.14057 | 0.00000 | 316523.1 | 183961.5 | 100632.1 | S |
| 86.100 | 0.0000 | 0.0000 | 86.333 | 0.14055 | 0.00000 | 316523.1 | 183965.7 | 100632.1 | S |
| 86.108 | 0.0000 | 0.0000 | 86.332 | 0.14053 | 0.00000 | 316523.1 | 183969.9 | 100632.1 | S |
| 86.117 | 0.0000 | 0.0000 | 86.332 | 0.14051 | 0.00000 | 316523.1 | 183974.1 | 100632.1 | S |
| 86.125 | 0.0000 | 0.0000 | 86.332 | 0.14050 | 0.00000 | 316523.1 | 183978.3 | 100632.7 | S |
| 86.133 | 0.0000 | 0.0000 | 86.332 | 0.14048 | 0.00000 | 316523.1 | 183982.5 | 100632.1 | S |
| 86.142 | 0.0000 | 0.0000 | 86.332 | 0.14046 | 0.00000 | 316523.1 | 183986.8 | 100632.1 | S |
| 86.150 | 0.0000 | 0.0000 | 86.331 | 0.14044 | 0.00000 | 316523.1 | 183991.0 | 100632.1 | S |
| 86.158 | 0.0000 | 0.0000 | 86.331 | 0.14042 | 0.00000 | 316523.1 | 183995.2 | 100632.1 | S |
| 86.167 | 0.0000 | 0.0000 | 86.331 | 0.14041 | 0.00000 | 316523.1 | 183999.4 | 100632.1 | S |
| 86.175 | 0.0000 | 0.0000 | 86.331 | 0.14039 | 0.00000 | 316523.1 | 184003.6 | 100632.1 | S |
| 86.183 | 0.0000 | 0.0000 | 86.330 | 0.14037 | 0.00000 | 316523.1 | 184007.8 | 100632.1 | S |
| 86.192 | 0.0000 | 0.0000 | 86.330 | 0.14035 | 0.00000 | 316523.1 | 184012.0 | 100632.1 | S |
| 86.200 | 0.0000 | 0.0000 | 86.330 | 0.14033 | 0.00000 | 316523.1 | 184016.2 | 100632.1 | S |
| 86.208 | 0.0000 | 0.0000 | 86.330 | 0.14032 | 0.00000 | 316523.1 | 184020.5 | 100632.1 | S |
| 86.217 | 0.0000 | 0.0000 | 86.329 | 0.14030 | 0.00000 | 316523.7 | 184024.7 | 100632.1 | S |
| 86.225 | 0.0000 | 0.0000 | 86.329 | 0.14028 | 0.00000 | 316523.1 | 184028.9 | 100632.1 | S |
| 86.233 | 0.0000 | 0.0000 | 86.329 | 0.14026 | 0.00000 | 316523.1 | 184033.1 | 100632.1 | S |
| 86.242 | 0.0000 | 0.0000 | 86.329 | 0.14024 | 0.00000 | 316523.1 | 184037.3 | 100632.1 | S |
| 86.250 | 0.0000 | 0.0000 | 86.328 | 0.14023 | 0.00000 | 316523.1 | 184041.5 | 100632.1 | S |
| 86.258 | 0.0000 | 0.0000 | 86.328 | 0.14021 | 0.00000 | 316523.1 | 184045.7 | 100632.1 | S |
| 86.267 | 0.0000 | 0.0000 | 86.328 | 0.14019 | 0.00000 | 316523.1 | 184049.9 | 100632.1 | S |
| 86.275 | 0.0000 | 0.0000 | 86.328 | 0.14017 | 0.00000 | 316523.1 | 184054.1 | 100632.1 | S |
| 86.283 | 0.0000 | 0.0000 | 86.327 | 0.14016 | 0.00000 | 316523.1 | 184058.3 | 100632.1 | S |
| 86.292 | 0.0000 | 0.0000 | 86.327 | 0.14014 | 0.00000 | 316523.1 | 184062.5 | 100632.1 | S |
| 86.300 | 0.0000 | 0.0000 | 86.327 | 0.14012 | 0.00000 | 316523.1 | 184066.7 | 100632.1 | S |
| 86.308 | 0.0000 | 0.0000 | 86.327 | 0.14010 | 0.00000 | 316523.1 | 184070.9 | 100632.1 | S |
| 86.317 | 0.0000 | 0.0000 | 86.326 | 0.14008 | 0.00000 | 316523.1 | 184075.1 | 100632.1 | S |
| 86.325 | 0.0000 | 0.0000 | 86.326 | 0.14007 | 0.00000 | 316523.1 | 184079.3 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | inflow Rate (ft ${ }^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate (f13/s) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 86.333 | 0.0000 | 0.0000 | 86.326 | 0.14005 | 0.00000 | 316523.1 | 184083.5 | 100632.1 | S |
| 86.342 | 0.0000 | 0.0000 | 86.326 | 0.14003 | 0.00000 | 316523.1 | 184087.7 | 100632.1 | S |
| 86.350 | 0.0000 | 0.0000 | 86.325 | 0.14001 | 0.00000 | 316523.1 | 184091.9 | 100632.1 | S |
| 86.358 | 0.0000 | 0.0000 | 86.325 | 0.13999 | 0.00000 | 316523.1 | 184096.1 | 100632.1 | S |
| 86.367 | 0.0000 | 0.0000 | 86.325 | 0.13998 | 0.00000 | 316523.1 | 184100.3 | 100632.1 | S |
| 86.375 | 0.0000 | 0.0000 | 86.325 | 0.13996 | 0.00000 | 316523.1 | 184104.5 | 100632.1 | S |
| 86.383 | 0.0000 | 0.0000 | 86.324 | 0.13994 | 0.00000 | 316523.1 | 184108.7 | 100632.1 | S |
| 86.392 | 0.0000 | 0.0000 | 86.324 | 0.13992 | 0.00000 | 316523.1 | 184112.9 | 100632.1 | S |
| 86.400 | 0.0000 | 0.0000 | 86.324 | 0.13991 | 0.00000 | 316523.1 | 184117.1 | 100632.1 | S |
| 86.408 | 0.0000 | 0.0000 | 86.324 | 0.13989 | 0.00000 | 316523.1 | 184121.3 | 100632.1 | S |
| 86.417 | 0.0000 | 0.0000 | 86.324 | 0.13987 | 0.00000 | 316523.1 | 184125.5 | 100632.1 | S |
| 86.425 | 0.0000 | 0.0000 | 86.323 | 0.13985 | 0.00000 | 316523.1 | $\ddagger 84129.7$ | 100632.1 | S |
| 86.433 | 0.0000 | 0.0000 | 86.323 | 0.13983 | 0.00000 | 316523.1 | 184133.9 | 100632.1 | S |
| 86.442 | 0.0000 | 0.0000 | 86.323 | 0.13982 | 0.00000 | 316523.1 | 184138.1 | 100632.1 | S |
| 86.450 | 0.0000 | 0.0000 | 86.323 | 0.13980 | 0.00000 | 316523.1 | 184142.3 | 100632.1 | S |
| 86.458 | 0.0000 | 0.0000 | 86.322 | 0.13978 | 0.00000 | 316523.1 | 184146.5 | 100632.1 | S |
| 86.467 | 0.0000 | 0.0000 | 86.322 | 0.13976 | 0.00000 | 316523.1 | 184150.7 | 100632.1 | S |
| 86.475 | 0.0000 | 0.0000 | 86.322 | 0.13975 | 0.00000 | 316523.1 | 184154.9 | 100632.1 | S |
| 86.483 | 0.0000 | 0.0000 | 86.322 | 0.13973 | 0.00000 | 316523.1 | 184159.1 | 100632.1 | S |
| 86.492 | 0.0000 | 0.0000 | 86.321 | 0.13971 | 0.00000 | 316523.1 | 184163.3 | 100632.1 | S |
| 86.500 | 0.0000 | 0.0000 | 86.321 | 0.13969 | 0.00000 | 316523.1 | 184167.5 | 100632.1 | S |
| 86.508 | 0.0000 | 0.0000 | 86.321 | 0.13967 | 0.00000 | 316523.1 | 184171.6 | 100632.1 | S |
| 86.517 | 0.0000 | 0.0000 | 86.321 | 0.13966 | 0.00000 | 316523.1 | 184175.8 | 100632.1 | S |
| 86.525 | 0.0000 | 0.0000 | 86.320 | 0.13964 | 0.00000 | 316523.1 | 184180.0 | 100632.1 | S |
| 86.533 | 0.0000 | 0.0000 | 86.320 | 0.13962 | 0.00000 | 316523.1 | 184184.2 | 100632.1 | S |
| 86.542 | 0.0000 | 0.0000 | 86.320 | 0.13960 | 0.00000 | 316523.1 | 184188.4 | 100632.1 | S |
| 86.550 | 0.0000 | 0.0000 | 86.320 | 0.13959 | 0.00000 | 316523.1 | 184192.6 | 100632.1 | S |
| 86.558 | 0.0000 | 0.0000 | 86.319 | 0.13957 | 0.00000 | 316523.1 | 184196.8 | 100632.1 | S |
| 86.567 | 0.0000 | 0.0000 | 86.319 | 0.13955 | 0.00000 | 316523.1 | 184201.0 | 100632.1 | S |
| 86.575 | 0.0000 | 0.0000 | 86.319 | 0.13953 | 0.00000 | 316523.1 | 184205.1 | 100632.1 | S |
| 86.583 | 0.0000 | 0.0000 | 86.319 | 0.13951 | 0.00000 | 316523.1 | 184209.3 | 100632.1 | S |
| 86.592 | 0.0000 | 0.0000 | 86.318 | 0.13950 | 0.00000 | 316523.1 | 184213.5 | 100632.1 | S |
| 86.600 | 0.0000 | 0.0000 | 86.318 | 0.13948 | 0.00000 | 316523.1 | 184217.7 | 100632.1 | S |
| 86.608 | 0.0000 | 0.0000 | 86.318 | 0.13946 | 0.00000 | 316523.1 | 184221.9 | 100632.1 | S |
| 86.617 | 0.0000 | 0.0000 | 86.318 | 0.13944 | 0.00000 | 316523.1 | 184226.1 | 100632.1 | S |
| 86.625 | 0.0000 | 0.0000 | 86.318 | 0.13943 | 0.00000 | 316523.1 | 184230.3 | 100632.1 | S |
| 86.633 | 0.0000 | 0.0000 | 86.317 | 0.13941 | 0.00000 | 316523.1 | 184234.4 | 100632.1 | S |
| 86.642 | 0.0000 | 0.0000 | 86.317 | 0.13939 | 0.00000 | 316523.1 | 184238.6 | 100632.1 | S |
| 86.650 | 0.0000 | 0.0000 | 86.317 | 0.13937 | 0.00000 | 316523.1 | 184242.8 | 100632.1 | S |
| 86.658 | 0.0000 | 0.0000 | 86.317 | 0.13936 | 0.00000 | 316523.1 | 184247.0 | 100632.1 | S |
| 86.667 | 0.0000 | 0.0000 | 86.316 | 0.13934 | 0.00000 | 316523.1 | 184251.2 | 100632.1 | S |
| 86.675 | 0.0000 | 0.0000 | 86.316 | 0.13932 | 0.00000 | 316523.1 | 184255.3 | 100632.1 | S |
| 86.683 | 0.0000 | 0.0000 | 86.316 | 0.13930 | 0.00000 | 316523.1 | 184259.5 | 100632.1 | S |
| 86.892 | 0.0000 | 0.0000 | 86.316 | 0.13928 | 0.00000 | 316523.1 | 184263.7 | 100632.1 | S |
| 86.700 | 0.0000 | 0.0000 | 86.315 | 0.13927 | 0.00000 | 316523.1 | 184267.9 | 100632.1 | S |
| 86.708 | 0.0000 | 0.0000 | 86.315 | 0.13925 | 0.00000 | 316523.1 | 184272.0 | 100632.1 | S |
| 86.717 | 0.0000 | 0.0000 | 86.315 | 0.13923 | 0.00000 | 316523.1 | 184276.2 | 100632.1 | S |
| 86.725 | 0.0000 | 0.0000 | 86.315 | 0.13921 | 0.00000 | 316523.1 | 184280.4 | 100632.1 | S |
| 86.733 | 0.0000 | 0.0000 | 86.314 | 0.13920 | 0.00000 | 316523.1 | 184284.6 | 100632.1 | S |
| 86.742 | 0.0000 | 0.0000 | 86.314 | 0.13978 | 0.00000 | 316523.1 | 184288.8 | 100632.1 | S |
| 86.750 | 0.0000 | 0.0000 | 86.314 | 0.13916 | 0.00000 | 316523.1 | 184292.9 | 100632.1 | S |
| 86.758 | 0.0000 | 0.0000 | 86.314 | 0.13914 | 0.00000 | 316523.1 | 184297.1 | 100632.1 | S |
| 86.767 | 0.0000 | 0.0000 | 86.313 | 0.13913 | 0.00000 | 316523.1 | 184301.3 | 100632.1 | S |
| 86.775 | 0.0000 | 0.0000 | 86.313 | 0.13911 | 0.00000 | 316523.1 | 184305.5 | 100632.1 | S |
| 86.783 | 0.0000 | 0.0000 | 86.313 | 0.13909 | 0.00000 | 316523.1 | 184309.6 | 100632.1 | S |
| 86.792 | 0.0000 | 0.0000 | 86.313 | 0.13907 | 0.00000 | 316523.1 | 184313.8 | 100632.1 | S |
| 86.800 | 0.0000 | 0.0000 | 86.312 | 0.13905 | 0.00000 | 316523.1 | 184318.0 | 100632.1 | S |
| 86.808 | 0.0000 | 0.0000 | 86.312 | 0.13904 | 0.00000 | 316523.1 | 184322.1 | 100632.1 | S |
| 86.817 | 0.0000 | 0.0000 | 86.312 | 0.13902 | 0.00000 | 318523.1 | 184326.3 | 100632.1 | S |
| 86.825 | 0.0000 | 0.0000 | 86.312 | 0.13900 | 0.00000 | 316523.1 | 184330.5 | 100632.1 | S |
| 86.833 | 0.0000 | 0.0000 | 86.311 | 0.13898 | 0.00000 | 316523.1 | 184334.7 | 100632.1 | S |
| 86.842 | 0.0000 | 0.0000 | 86.311 | 0.13897 | 0.00000 | 316523.1 | 184338.8 | 100632.1 | S |
| 86.850 | 0.0000 | 0.0000 | 86.311 | 0.13895 | 0.00000 | 316523.1 | 184343.0 | 100632.1 | S |
| 86.858 | 0.0000 | 0.0000 | 86.311 | 0.13893 | 0.00000 | 316523.1 | 184347.2 | 100632.7 | S |
| 86.867 | 0.0000 | 0.0000 | 86.311 | 0.13891 | 0.00000 | 316523.1 | 184351.3 | 100632.1 | S |
| 86.875 | 0.0000 | 0.0000 | 86.310 | 0.13890 | 0.00000 | 316523.1 | 184355.5 | 100632.1 | S |
| 86.883 | 0.0000 | 0.0000 | 86.310 | 0.13888 | 0.00000 | 316523.1 | 184359.7 | 100632.1 | S |
| 86.892 | 0.0000 | 0.0000 | 86.310 | 0.13886 | 0.00000 | 316523.1 | 184363.8 | 100632.1 | S |
| 86.900 | 0.0000 | 0.0000 | 86.310 | 0.13884 | 0.00000 | 316523.1 | 184368.0 | 100632.1 | S |
| 86.908 | 0.0000 | 0.0000 | 86.309 | 0.13883 | 0.00000 | 316523.1 | 184372.2 | 100632.1 | S |
| 86.917 | 0.0000 | 0.0000 | 86.309 | 0.13881 | 0.00000 | 316523.1 | 184376.3 | 100632.1 | S |
| 86.925 | 0.0000 | 0.0000 | 86.309 | 0.13879 | 0.00000 | 316523.1 | 184380.5 | 100632.1 | S |
| 86.933 | 0.0000 | 0.0000 | 86.309 | 0.13877 | 0.00000 | 316523.1 | 184384.7 | 100632.1 | S |
| 86.942 | 0.0000 | 0.0000 | 86.308 | 0.13876 | 0.00000 | 316523.1 | 184388.8 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (fl datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}} \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume (ft) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 86.950 | 0.0000 | 0.0000 | 86.308 | 0.13874 | 0.00000 | 316523.1 | 184393.0 | 100632.1 | S |
| 86.958 | 0.0000 | 0.0000 | 86.308 | 0.13872 | 0.00000 | 316523.1 | 184397.1 | 100632.1 | S |
| 86.967 | 0.0000 | 0.0000 | 86.308 | 0.13870 | 0.00000 | 316523.1 | 184401.3 | 100632.1 | S |
| 86.975 | 0.0000 | 0.0000 | 86.307 | 0.13869 | 0.00000 | 316523.1 | 184405.5 | 100632.1 | S |
| 86.983 | 0.0000 | 0.0000 | 86.307 | 0.13867 | 0.00000 | 316523.1 | 184409.6 | 100632.1 | S |
| 86.992 | 0.0000 | 0.0000 | 86.307 | 0.13865 | 0.00000 | 316523.1 | 184413.8 | 100632.1 | S |
| 87.000 | 0.0000 | 0.0000 | 86.307 | 0.13863 | 0.00000 | 316523.1 | 184417.9 | 100632.1 | S |
| 87.008 | 0.0000 | 0.0000 | 86.306 | 0.13862 | 0.00000 | 316523.1 | 184422.1 | 100632.1 | S |
| 87.017 | 0.0000 | 0.0000 | 86.306 | 0.13860 | 0.00000 | 316523.1 | 184426.3 | 100632.1 | S |
| 87.025 | 0.0000 | 0.0000 | 86.306 | 0.13858 | 0.00000 | 316523.1 | 184430.4 | 100632.1 | S |
| 87.033 | 0.0000 | 0.0000 | 86.306 | 0.13856 | 0.00000 | 316523.1 | 184434.6 | 100632.1 | S |
| 87.042 | 0.0000 | 0.0000 | 86.305 | 0.13854 | 0.00000 | 316523.1 | 184438.7 | 100632.1 | S |
| 87.050 | 0.0000 | 0.0000 | 86.305 | 0.13853 | 0.00000 | 316523.1 | 184442.9 | 100632.1 | S |
| 87.058 | 0.0000 | 0.0000 | 86.305 | 0.13851 | 0.00000 | 316523.1 | 184447.0 | 100632.1 | S |
| 87.067 | 0.0000 | 0.0000 | 86.305 | 0.13849 | 0.00000 | 316523.1 | 184451.2 | 100632.1 | S |
| 87.075 | 0.0000 | 0.0000 | 86.305 | 0.13847 | 0.00000 | 316523.1 | 184455.3 | 100632.1 | S |
| 87.083 | 0.0000 | 0.0000 | 86.304 | 0.13846 | 0.00000 | 316523.1 | 184459.5 | 100632.1 | S |
| 87.092 | 0.0000 | 0.0000 | 86.304 | 0.13844 | 0.00000 | 316523.1 | 184463.7 | 100632.1 | S |
| 87.100 | 0.0000 | 0.0000 | 86.304 | 0.13842 | 0.00000 | 316523.1 | 184467.8 | 100632.1 | S |
| 87.108 | 0.0000 | 0.0000 | 86.304 | 0.13840 | 0.00000 | 316523.1 | 184472.0 | 100632.1 | S |
| 87.117 | 0.0000 | 0.0000 | 86,303 | 0.13839 | 0.00000 | 316523.1 | 184476.1 | 100632.1 | S |
| 87.125 | 0.0000 | 0.0000 | 86.303 | 0.13837 | 0.00000 | 316523.1 | 184480.3 | 100632.1 | S |
| 87.133 | 0.0000 | 0.0000 | 86.303 | 0.13835 | 0.00000 | 316523.1 | 184484.4 | 100632.1 | S |
| 87.142 | 0.0000 | 0.0000 | 86.303 | 0.13833 | 0.00000 | 316523.1 | 184488.6 | 100632.1 | S |
| 87.150 | 0.0000 | 0.0000 | 86.302 | 0.13832 | 0.00000 | 316523.1 | 184492.7 | 100632.1 | S |
| 87.158 | 0.0000 | 0.0000 | 86.302 | 0.13830 | 0.00000 | 316523.1 | 184496.9 | 100632.1 | S |
| 87.167 | 0.0000 | 0.0000 | 86.302 | 0.13828 | 0.00000 | 316523.1 | 184501.0 | 100632.1 | S |
| 87.175 | 0.0000 | 0.0000 | 86.302 | 0.13826 | 0.00000 | 316523.1 | 184505.2 | 100632.1 | S |
| 87.183 | 0.0000 | 0.0000 | 86.301 | 0.13825 | 0.00000 | 316523.1 | 184509.3 | 100632.1 | S |
| 87.192 | 0.0000 | 0.0000 | 86.301 | 0.13823 | 0.00000 | 316523.1 | 184513.5 | 100632.1 | S |
| 87.200 | 0.0000 | 0.0000 | 86.301 | 0.13821 | 0.00000 | 316523.1 | 184517.6 | 100632.1 | S |
| 87.208 | 0.0000 | 0.0000 | 86.301 | 0.13819 | 0.00000 | 316523.1 | 184521.8 | 100632.1 | S |
| 87.217 | 0.0000 | 0.0000 | 86.300 | 0.13818 | 0.00000 | 316523.1 | 184525.9 | 100632.1 | S |
| 87.225 | 0.0000 | 0.0000 | 86.300 | 0.13816 | 0.00000 | 316523.1 | 184530.0 | 100632.1 | S |
| 87.233 | 0.0000 | 0.0000 | 86.300 | 0.13814 | 0.00000 | 316523.1 | 184534.2 | 100632.1 | S |
| 87.242 | 0.0000 | 0.0000 | 86.300 | 0.13813 | 0.00000 | 316523.1 | 184538.3 | 100632.1 | S |
| 87.250 | 0.0000 | 0.0000 | 86.300 | 0.13811 | 0.00000 | 316523.1 | 184542.5 | 100632.1 | S |
| 87.258 | 0.0000 | 0.0000 | 86.299 | 0.13809 | 0.00000 | 316523.1 | 184546.6 | 100632.1 | S |
| 87.267 | 0.0000 | 0.0000 | 86.299 | 0.13807 | 0.00000 | 316523.1 | 184550.8 | 100632.1 | S |
| 87.275 | 0.0000 | 0.0000 | 86.299 | 0.13806 | 0.00000 | 316523.1 | 184554.9 | 100632.1 | S |
| 87.283 | 0.0000 | 0.0000 | 86.299 | 0.13804 | 0.00000 | 316523.1 | 184559.0 | 100632.1 | S |
| 87.292 | 0.0000 | 0.0000 | 86.298 | 0.13802 | 0.00000 | 316523.1 | 184563.2 | 100632.1 | S |
| 87.300 | 0.0000 | 0.0000 | 86.298 | 0.13800 | 0.00000 | 316523.1 | 184567.3 | 100632.1 | S |
| 87.308 | 0.0000 | 0.0000 | 86.298 | 0.13799 | 0.00000 | 316523.1 | 184571.5 | 100632.1 | S |
| 87.317 | 0.0000 | 0.0000 | 86.298 | 0.13797 | 0.00000 | 316523.1 | 184575.6 | 100632.1 | S |
| 87.325 | 0.0000 | 0.0000 | 86.297 | 0.13795 | 0.00000 | 316523.1 | 184579.7 | 100632.1 | S |
| 87.333 | 0.0000 | 0.0000 | 86.297 | 0.13793 | 0.00000 | 316523.1 | 184583.9 | 100632.1 | S |
| 87.342 | 0.0000 | 0.0000 | 86.297 | 0.13792 | 0.00000 | 316523.1 | 184588.0 | 100632.1 | S |
| 87.350 | 0.0000 | 0.0000 | 86.297 | 0.13790 | 0.00000 | 316523.1 | 184592.2 | 100632.1 | S |
| 87.358 | 0.0000 | 0.0000 | 86.296 | 0.13788 | 0.00000 | 316523.1 | 184596.3 | 100632.1 | S |
| 87.367 | 0.0000 | 0.0000 | 86.296 | 0.13786 | 0.00000 | 316523.1 | 184600.4 | 100632.1 | S |
| 87.375 | 0.0000 | 0.0000 | 86.296 | 0.13785 | 0.00000 | 316523.1 | 184604.6 | 100632.3 | S |
| 87.383 | 0.0000 | 0.0000 | 86.296 | 0.13783 | 0.00000 | 316523.1 | 184608.7 | 100632.1 | S |
| 87.392 | 0.0000 | 0.0000 | 86.295 | 0.13781 | 0.00000 | 316523.1 | 184612.8 | 100632.1 | S |
| 87.400 | 0.0000 | 0.0000 | 86.295 | 0.13779 | 0.00000 | 316523.1 | 184617.0 | 100632.1 | S |
| 87.408 | 0.0000 | 0.0000 | 86.295 | 0.13778 | 0.00000 | 316523.1 | 184621.1 | 100632.1 | S |
| 87.417 | 0.0000 | 0.0000 | 86.295 | 0.13776 | 0.00000 | 316523.1 | 184625.2 | 100632.1 | S |
| 87.425 | 0.0000 | 0.0000 | 86.294 | 0.13774 | 0.00000 | 316523.1 | 184629.4 | 100632.1 | S |
| 87.433 | 0.0000 | 0.0000 | 86.294 | 0.13772 | 0.00000 | 316523.1 | 184633.5 | 100632.1 | S |
| 87.442 | 0.0000 | 0.0000 | 86.294 | 0.13771 | 0.00000 | 316523.1 | 184637.6 | 100632.1 | S |
| 87.450 | 0.0000 | 0.0000 | 86.294 | 0.13769 | 0.00000 | 316523.1 | 184641.8 | 100632.1 | S |
| 87.458 | 0.0000 | 0.0000 | 86.294 | 0.13767 | 0.00000 | 316523.1 | 184645.9 | 100632.1 | S |
| 87.467 | 0.0000 | 0.0000 | 86.293 | 0.13766 | 0.00000 | 316523.1 | 184650.0 | 100632.1 | S |
| 87.475 | 0.0000 | 0.0000 | 86.293 | 0.13764 | 0.00000 | 316523.1 | 184654.2 | 100632.1 | S |
| 87.483 | 0.0000 | 0.0000 | 86.293 | 0.13762 | 0.00000 | 316523.1 | 184658.3 | 100632.1 | S |
| 87.492 | 0.0000 | 0.0000 | 86.293 | 0.13760 | 0.00000 | 316523.1 | 184662.4 | 100632.1 | S |
| 87.500 | 0.0000 | 0.0000 | 86.292 | 0.13759 | 0.00000 | 316523.1 | 184666.5 | 100632.1 | S |
| 87.508 | 0.0000 | 0.0000 | 86.292 | 0.13757 | 0.00000 | 316523.1 | 184670.7 | 100632.1 | S |
| 87.517 | 0.0000 | 0.0000 | 86.292 | 0.13755 | 0.00000 | 316523.1 | 184674.8 | 100632.1 | S |
| 87.525 | 0.0000 | 0.0000 | 86.292 | 0.13753 | 0.00000 | 316523.1 | 184678.9 | 100632.1 | 5 |
| 87.533 | 0.0000 | 0.0000 | 86.291 | 0.13752 | 0.00000 | 316523.1 | 184683.0 | 100632.1 | S |
| 87.542 | 0.0000 | 0.0000 | 86.291 | 0.13750 | 0.00000 | 316523.1 | 184687.2 | 100632.1 | S |
| 87.550 | 0.0000 | 0.0000 | 86.291 | 0.13748 | 0.00000 | 316523.1 | 184691.3 | 100632.1 | S |
| 87.558 | 0.0000 | 0.0000 | 86.291 | 0.13746 | 0.00000 | 316523.1 | 184695.4 | 100632.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario $1::$ pond10 100 yr $/ 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (fl datum) | Infilitration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inlow <br> Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 87.567 | 0.0000 | 0.0000 | 86.290 | 0.13745 | 0.00000 | 316523.1 | 184699.5 | 100632.1 | S |
| 87.575 | 0.0000 | 0.0000 | 86.290 | 0.13743 | 0.00000 | 316523.1 | 184703.7 | 100632.1 | S |
| 87.583 | 0.0000 | 0.0000 | 86.290 | 0.13741 | 0.00000 | 316523.1 | 184707.8 | 100632.1 | S |
| 87.592 | 0.0000 | 0.0000 | 86.290 | 0.13740 | 0.00000 | 316523.1 | 184711.9 | 100632.1 | S |
| 87.600 | 0.0000 | 0.0000 | 86.289 | 0.13738 | 0.00000 | 316523.1 | 184716.0 | 100632.1 | S |
| 87.608 | 0.0000 | 0.0000 | 86.289 | 0.13736 | 0.00000 | 316523.1 | 184720.2 | 100632.1 | S |
| 87.617 | 0.0000 | 0.0000 | 86.289 | 0.13734 | 0.00000 | 316523.1 | 184724.3 | 100632.1 | S |
| 87.625 | 0.0000 | 0.0000 | 86.289 | 0.13733 | 0.00000 | 316523.1 | 184728.4 | 100632.1 | S |
| 87.633 | 0.0000 | 0.0000 | 86.289 | 0.13731 | 0.00000 | 316523.1 | 184732.5 | 100632.1 | S |
| 87.642 | 0.0000 | 0.0000 | 86.288 | 0.13729 | 0.00000 | 316523.1 | 184736.6 | 100632.1 | S |
| 87.650 | 0.0000 | 0.0000 | 86.288 | 0.13727 | 0.00000 | 316523.1 | 184740.8 | 100632.1 | S |
| 87.658 | 0.0000 | 0.0000 | 86.288 | 0.13726 | 0.00000 | 316523.1 | 184744.9 | 100632.1 | S |
| 87.667 | 0.0000 | 0.0000 | 86.288 | 0.13724 | 0.00000 | 316523.1 | 184749.0 | 100632.1 | S |
| 87.675 | 0.0000 | 0.0000 | 86.287 | 0.13722 | 0.00000 | 316523.1 | 184753.1 | 100632.1 | S |
| 87.683 | 0.0000 | 0.0000 | 86.287 | 0.13721 | 0.00000 | 316523.1 | 184757.2 | 100632.1 | S |
| 87.692 | 0.0000 | 0.0000 | 86.287 | 0.13719 | 0.00000 | 316523.1 | 184761.3 | 100632.1 | S |
| 87.700 | 0.0000 | 0.0000 | 86.287 | 0.13717 | 0.00000 | 316523.1 | 184765.5 | 100632.1 | S |
| 87.708 | 0.0000 | 0.0000 | 86.286 | 0.13715 | 0.00000 | 316523.1 | 184769.6 | 100632.1 | S |
| 87.717 | 0.0000 | 0.0000 | 86.286 | 0.13714 | 0.00000 | 316523.1 | 184773.7 | 100632.1 | S |
| 87.725 | 0.0000 | 0.0000 | 86.286 | 0.13712 | 0.00000 | 316523.1 | 184777.8 | 100632.1 | S |
| 87.733 | 0.0000 | 0.0000 | 86.286 | 0.13710 | 0.00000 | 316523.1 | 184781.9 | 100632.1 | S |
| 87.742 | 0.0000 | 0.0000 | 86.285 | 0.13708 | 0.00000 | 316523.1 | 184786.0 | 100632.1 | S |
| 87.750 | 0.0000 | 0.0000 | 86.285 | 0.13707 | 0.00000 | 316523.1 | 184790.1 | 100632.1 | S |
| 87.758 | 0.0000 | 0.0000 | 86.285 | 0.13705 | 0.00000 | 316523.1 | 184794.2 | 100632.1 | S |
| 87.767 | 0.0000 | 0.0000 | 86.285 | 0.13703 | 0.00000 | 316523.1 | 184798.3 | 100632.1 | S |
| 87.775 | 0.0000 | 0.0000 | 86.284 | 0.13702 | 0.00000 | 316523.1 | 184802.5 | 100632.1 | S |
| 87.783 | 0.0000 | 0.0000 | 86.284 | 0.13700 | 0.00000 | 316523.1 | 184806.6 | 100632.1 | S |
| 87.792 | 0.0000 | 0.0000 | 86.284 | 0.13698 | 0.00000 | 316523.1 | 184810.7 | 100632.1 | S |
| 87.800 | 0.0000 | 0.0000 | 86.284 | 0.13696 | 0.00000 | 316523.1 | 184814.8 | 100632.1 | S |
| 87.808 | 0.0000 | 0.0000 | 86.284 | 0.13695 | 0.00000 | 316523.1 | 184818.9 | 100632.1 | S |
| 87.817 | 0.0000 | 0.0000 | 86.283 | 0.13693 | 0.00000 | 316523.1 | 184823.0 | 100632.1 | S |
| 87.825 | 0.0000 | 0.0000 | 86.283 | 0.13691 | 0.00000 | 316523.1 | 184827.1 | 100632.1 | S |
| 87.833 | 0.0000 | 0.0000 | 86.283 | 0.13689 | 0.00000 | 316523.1 | 184831.2 | 100632.1 | S |
| 87.842 | 0.0000 | 0.0000 | 86.283 | 0.13688 | 0.00000 | 316523.1 | 184835.3 | 100632.1 | S |
| 87.850 | 0.0000 | 0.0000 | 86.282 | 0.13686 | 0.00000 | 316523.1 | 184839.4 | 100632.1 | S |
| 87.858 | 0.0000 | 0.0000 | 86.282 | 0.13684 | 0.00000 | 316523.1 | 184843.5 | 100632.1 | S |
| 87.867 | 0.0000 | 0.0000 | 86.282 | 0.13683 | 0.00000 | 316523.1 | 184847.6 | 100632.1 | S |
| 87.875 | 0.0000 | 0.0000 | 86.282 | 0.13681 | 0.00000 | 316523.1 | 184851.8 | 100632.1 | S |
| 87.883 | 0.0000 | 0.0000 | 86.281 | 0.13679 | 0.00000 | 316523.1 | 184855.9 | 100632.1 | S |
| 87.892 | 0.0000 | 0.0000 | 86.281 | 0.13677 | 0.00000 | 316523.1 | 184860.0 | 100632.1 | S |
| 87.900 | 0.0000 | 0.0000 | 86.281 | 0.13676 | 0.00000 | 316523.1 | \$84864.1 | 100632.1 | S |
| 87.908 | 0.0000 | 0.0000 | 86.281 | 0.13674 | 0.00000 | 316523.1 | 184868.2 | 100632.1 | S |
| 87.917 | 0.0000 | 0.0000 | 86.280 | 0.13672 | 0.00000 | 316523.1 | 184872.3 | 100632.1 | S |
| 87.925 | 0.0000 | 0.0000 | 86.280 | 0.13671 | 0.00000 | 316523.1 | 184876.4 | 100632.1 | S |
| 87.933 | 0.0000 | 0.0000 | 86.280 | 0.13669 | 0.00000 | 316523.1 | 184880.5 | 100632.1 | S |
| 87.942 | 0.0000 | 0.0000 | 86.280 | 0.13667 | 0.00000 | 316523.1 | 184884.6 | 100632.1 | S |
| 87.950 | 0.0000 | 0.0000 | 86.279 | 0.13665 | 0.00000 | 316523.1 | 184888.7 | 100632.1 | S |
| 87.958 | 0.0000 | 0.0000 | 86.279 | 0.13664 | 0.00000 | 316523.1 | 184892.8 | 100632.1 | S |
| 87.967 | 0.0000 | 0.0000 | 86.279 | 0.13662 | 0.00000 | 316523.1 | 184896.9 | 100632.1 | S |
| 87.975 | 0.0000 | 0.0000 | 86.279 | 0.13660 | 0.00000 | 316523.1 | 184901.0 | 100632.1 | S |
| 87.983 | 0.0000 | 0.0000 | 86.279 | 0.13659 | 0.00000 | 316523.1 | 184905.1 | 100632.1 | S |
| 87.992 | 0.0000 | 0.0000 | 86.278 | 0.13657 | 0.00000 | 316523.1 | \$84909.2 | 100632.1 | S |
| 88.000 | 0.0000 | 0.0000 | 86.278 | 0.13655 | 0.00000 | 316523.1 | 184913.3 | 100632.1 | S |
| 88.008 | 0.0000 | 0.0000 | 86.278 | 0.13653 | 0.00000 | 316523.1 | 184917.4 | 100632.1 | S |
| 88.017 | 0.0000 | 0.0000 | 86.278 | 0.13652 | 0.00000 | 316523.1 | 184921.5 | 100632.1 | S |
| 88.025 | 0.0000 | 0.0000 | 86.277 | 0.13650 | 0.00000 | 316523.1 | 184925.5 | 100632.1 | S |
| 88.033 | 0.0000 | 0.0000 | 86.277 | 0.13648 | 0.00000 | 316523.1 | 184929.6 | 100632.1 | S |
| 88.042 | 0.0000 | 0.0000 | 86.277 | 0.13647 | 0.00000 | 316523.1 | 184933.7 | 100632.1 | S |
| 88.050 | 0.0000 | 0.0000 | 86.277 | 0.13645 | 0.00000 | 316523.1 | 184937.8 | 100632.1 | S |
| 88.058 | 0.0000 | 0.0000 | 86.276 | 0.13643 | 0.00000 | 316523.1 | 184941.9 | 100632.1 | S |
| 88.067 | 0.0000 | 0.0000 | 86.276 | 0.13641 | 0.00000 | 316523.1 | 184946.0 | 100632.1 | S |
| 88.075 | 0.0000 | 0.0000 | 86.276 | 0.13640 | 0.00000 | 316523.1 | 184950.1 | 100632.1 | S |
| 88.083 | 0.0000 | 0.0000 | 86.276 | 0.13638 | 0.00000 | 316523.1 | 184954.2 | 100632.1 | S |
| 88.092 | 0.0000 | 0.0000 | 86.275 | 0.13636 | 0.00000 | 316523.1 | 184958.3 | 100632.1 | S |
| 88.100 | 0.0000 | 0.0000 | 86.275 | 0.13635 | 0.00000 | 316523.1 | 184962.4 | 100632.1 | S |
| 88.108 | 0.0000 | 0.0000 | 86.275 | 0.13633 | 0.00000 | 316523.1 | 184966.5 | 100632.1 | S |
| 88.117 | 0.0000 | 0.0000 | 86.275 | 0.13631 | 0.00000 | 316523.1 | 184970.6 | 100632.1 | S |
| 88.125 | 0.0000 | 0.0000 | 86.275 | 0.13629 | 0.00000 | 316523.1 | 184974.6 | 100632.1 | S |
| 88.133 | 0.0000 | 0.0000 | 86.274 | 0.13628 | 0.00000 | 316523.1 | 184978.7 | 100632.1 | S |
| 88.142 | 0.0000 | 0.0000 | 86.274 | 0.13626 | 0.00000 | 316523.1 | 184982.8 | 100632.1 | S |
| 88.150 | 0.0000 | 0.0000 | 86.274 | 0.13624 | 0.00000 | 316523.1 | 184986.9 | 100632.1 | S |
| 88.158 | 0.0000 | 0.0000 | 86.274 | 0.13623 | 0.00000 | 316523.1 | 184991.0 | 100632.1 | S |
| 88.167 | 0.0000 | 0.0000 | 86.273 | 0.13621 | 0.00000 | 316523.1 | 184995.1 | 100632.1 | S |
| 88.175 | 0.0000 | 0.0000 | 86.273 | 0.13619 | 0.00000 | 316523.1 | 184999.2 | 100632.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{H}^{3 / 5}$ ) | Outside Recharge (f/day) | Stage Elevation (ft datum) | Infiltration Rate (ft ${ }^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume (ft ${ }^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{fl}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 88.183 | 0.0000 | 0.0000 | 86.273 | 0.13617 | 0.00000 | 316523.1 | 185003.3 | 100632.1 | S |
| 88.192 | 0.0000 | 0.0000 | 86.273 | 0.13616 | 0.00000 | 316523.1 | 185007.3 | 100632.1 | S |
| 88.200 | 0.0000 | 0.0000 | 86.272 | 0.13614 | 0.00000 | 316523.1 | 185011.4 | 100632.1 | S |
| 88.208 | 0.0000 | 0.0000 | 86.272 | 0.13612 | 0.00000 | 316523.1 | 185015.5 | 100632.1 | S |
| 88.217 | 0.0000 | 0.0000 | 86.272 | 0.13611 | 0.00000 | 316523.1 | 185019.6 | 100632.1 | S |
| 88.225 | 0.0000 | 0.0000 | 86.272 | 0.13609 | 0.00000 | 316523.1 | 185023.7 | 100632.1 | S |
| 88.233 | 0.0000 | 0.0000 | 86.271 | 0.13607 | 0.00000 | 316523.1 | 185027.8 | 100632.1 | S |
| 88.242 | 0.0000 | 0.0000 | 86.271 | 0.13606 | 0.00000 | 316523.1 | 185031.8 | 100632.1 | S |
| 88.250 | 0.0000 | 0.0000 | 86.271 | 0.13604 | 0.00000 | 316523.1 | 185035.9 | 100632.1 | S |
| 88.258 | 0.0000 | 0.0000 | 86.271 | 0.13602 | 0.00000 | 316523.1 | 185040.0 | 100632.1 | S |
| 88.267 | 0.0000 | 0.0000 | 86.270 | 0.13600 | 0.00000 | 316523.1 | 185044.1 | 100632.1 | S |
| 88.275 | 0.0000 | 0.0000 | 86.270 | 0.13599 | 0.00000 | 316523.1 | 185048.2 | 100632.1 | S |
| 88.283 | 0.0000 | 0.0000 | 86.270 | 0.13597 | 0.00000 | 316523.1 | 185052.2 | 100632.1 | S |
| 88.292 | 0.0000 | 0.0000 | 86.270 | 0.13595 | 0.00000 | 316523.1 | 185056.3 | 100632.1 | S |
| 88.300 | 0.0000 | 0.0000 | 86.270 | 0.13594 | 0.00000 | 316523.1 | 185060.4 | 100632.1 | S |
| 88.308 | 0.0000 | 0.0000 | 86.269 | 0.13592 | 0.00000 | 316523.1 | 185064.5 | 100632.1 | S |
| 88.317 | 0.0000 | 0.0000 | 86.269 | 0.13590 | 0.00000 | 316523.1 | 185068.5 | 100632.1 | S |
| 88.325 | 0.0000 | 0.0000 | 86.269 | 0.13589 | 0.00000 | 316523.1 | 185072.6 | 100632.1 | S |
| 88.333 | 0.0000 | 0.0000 | 86.269 | 0.13587 | 0.00000 | 316523.1 | 185076.7 | 100632.1 | S |
| 88.342 | 0.0000 | 0.0000 | 86.268 | 0.13585 | 0.00000 | 316523.1 | 185080.8 | 100632.1 | S |
| 88.350 | 0.0000 | 0.0000 | 86.268 | 0.13583 | 0.00000 | 316523.1 | 185084.9 | 100632.1 | S |
| 88.358 | 0.0000 | 0.0000 | 86.268 | 0.13582 | 0.00000 | 316523.1 | 185088.9 | 100632.1 | S |
| 88.367 | 0.0000 | 0.0000 | 86.268 | 0.13580 | 0.00000 | 316523.1 | 185093.0 | 100632.1 | S |
| 88.375 | 0.0000 | 0.0000 | 86.267 | 0.13578 | 0.00000 | 316523.1 | 185097.1 | 100632.1 | S |
| 88.383 | 0.0000 | 0.0000 | 86.267 | 0.13577 | 0.00000 | 316523.1 | 185101.2 | 100632.1 | S |
| 88.392 | 0.0000 | 0.0000 | 86.267 | 0.13575 | 0.00000 | 316523.1 | 185105.2 | 100632.1 | S |
| 88.400 | 0.0000 | 0.0000 | 86.267 | 0.13573 | 0.00000 | 316523.1 | 185109.3 | 100632.1 | S |
| 88.408 | 0.0000 | 0.0000 | 86.266 | 0.13572 | 0.00000 | 316523.1 | 185113.4 | 100632.1 | S |
| 88.417 | 0.0000 | 0.0000 | 86.266 | 0.13570 | 0.00000 | 316523.1 | 185117.4 | 100632.1 | S |
| 88.425 | 0.0000 | 0.0000 | 86.266 | 0.13568 | 0.00000 | 316523.1 | 185121.5 | 100632.1 | S |
| 88.433 | 0.0000 | 0.0000 | 86.266 | 0.13566 | 0.00000 | 316523.1 | 185125.6 | 100632.1 | S |
| 88.442 | 0.0000 | 0.0000 | 86.266 | 0.13565 | 0.00000 | 316523.1 | 185129.7 | 100632.1 | S |
| 88.450 | 0.0000 | 0.0000 | 86.265 | 0.13563 | 0.00000 | 316523.1 | 185133.7 | 100632.1 | S |
| 88.458 | 0.0000 | 0.0000 | 86.265 | 0.13561 | 0.00000 | 316523.1 | 185137.8 | 100632.1 | S |
| 88.467 | 0.0000 | 0.0000 | 86.265 | 0.13560 | 0.00000 | 316523.1 | 185141.9 | 100632.1 | S |
| 88.475 | 0.0000 | 0.0000 | 86.265 | 0.13558 | 0.00000 | 316523.1 | 185145.9 | 100632.1 | S |
| 88.483 | 0.0000 | 0.0000 | 86.264 | 0.13556 | 0.00000 | 316523.1 | 185150.0 | 100632.1 | S |
| 88.492 | 0.0000 | 0.0000 | 86.264 | 0.13555 | 0.00000 | 316523.1 | 185154.1 | 100632.1 | S |
| 88.500 | 0.0000 | 0.0000 | 86.264 | 0.13553 | 0.00000 | 316523.1 | 185158.1 | 100632.1 | S |
| 88.508 | 0.0000 | 0.0000 | 86.264 | 0.13551 | 0.00000 | 316523.1 | 185162.2 | 100632.1 | S |
| 88.517 | 0.0000 | 0.0000 | 86.263 | 0.13549 | 0.00000 | 316523.1 | 185166.3 | 100632.1 | S |
| 88.525 | 0.0000 | 0.0000 | 86.263 | 0.13548 | 0.00000 | 316523.1 | 185170.3 | 100632.1 | S |
| 88.533 | 0.0000 | 0.0000 | 86.263 | 0.13546 | 0.00000 | 316523.1 | 185174.4 | 100632.1 | S |
| 88.542 | 0.0000 | 0.0000 | 86.263 | 0.13544 | 0.00000 | 316523.1 | 185178.5 | 100632.1 | S |
| 88.550 | 0.0000 | 0.0000 | 86.262 | 0.13543 | 0.00000 | 316523.1 | 185182.5 | 100632.1 | S |
| 88.558 | 0.0000 | 0.0000 | 86.262 | 0.13541 | 0.00000 | 316523.1 | 185186.6 | 100632.1 | S |
| 88.567 | 0.0000 | 0.0000 | 86.262 | 0.13539 | 0.00000 | 316523.1 | 185190.6 | 100632.1 | S |
| 88.575 | 0.0000 | 0.0000 | 86.262 | 0.13538 | 0.00000 | 316523.1 | 185194.7 | 100632.1 | S |
| 88.583 | 0.0000 | 0.0000 | 86.262 | 0.13536 | 0.00000 | 316523.1 | 185198.8 | 100632.1 | S |
| 88.592 | 0.0000 | 0.0000 | 86.261 | 0.13534 | 0.00000 | 316523.1 | 185202.8 | 100632.1 | S |
| 88.600 | 0.0000 | 0.0000 | 86.261 | 0.13533 | 0.00000 | 316523.1 | 185206.9 | 100632.1 | S |
| 88.608 | 0.0000 | 0.0000 | 86.261 | 0.13531 | 0.00000 | 316523.1 | 185210.9 | 100632.1 | S |
| 88.617 | 0.0000 | 0.0000 | 86.261 | 0.13529 | 0.00000 | 316523.1 | 185215.0 | 100632.1 | S |
| 88.625 | 0.0000 | 0.0000 | 86.260 | 0.13527 | 0.00000 | 316523.1 | 185219.1 | 100632.1 | S |
| 88.633 | 0.0000 | 0.0000 | 86.260 | 0.13526 | 0.00000 | 316523.1 | 185223.1 | 100632.1 | S |
| 88.642 | 0.0000 | 0.0000 | 86.260 | 0.13524 | 0.00000 | 316523.1 | 185227.2 | 100632.1 | S |
| 88.650 | 0.0000 | 0.0000 | 86.260 | 0.13522 | 0.00000 | 316523.1 | 185231.2 | 100632.1 | S |
| 88.658 | 0.0000 | 0.0000 | 86.259 | 0.13521 | 0.00000 | 316523.1 | 185235.3 | 100632.1 | S |
| 88.667 | 0.0000 | 0.0000 | 86.259 | 0.13519 | 0.00000 | 316523.1 | 185239.3 | 100632.1 | S |
| 88.675 | 0.0000 | 0.0000 | 86.259 | 0.13517 | 0.00000 | 316523.1 | 185243.4 | 100632.1 | S |
| 88.683 | 0.0000 | 0.0000 | 86.259 | 0.13516 | 0.00000 | 316523.1 | 185247.5 | 100632.1 | S |
| 88.692 | 0.0000 | 0.0000 | 86.258 | 0.13514 | 0.00000 | 316523.1 | 185251.5 | 100632.1 | S |
| 88.700 | 0.0000 | 0.0000 | 86.258 | 0.13512 | 0.00000 | 316523.1 | 185255.6 | 100632.1 | S |
| 88.708 | 0.0000 | 0.0000 | 86.258 | 0.13511 | 0.00000 | 316523.1 | 185259.6 | 100632.1 | S |
| 88.717 | 0.0000 | 0.0000 | 86.258 | 0.13509 | 0.00000 | 316523.1 | 185263.7 | 100632.1 | S |
| 88.725 | 0.0000 | 0.0000 | 86.257 | 0.13507 | 0.00000 | 316523.1 | 185267.7 | 100632.1 | S |
| 88.733 | 0.0000 | 0.0000 | 86.257 | 0.13506 | 0.00000 | 316523.1 | 185271.8 | 100632.1 | S |
| 88.742 | 0.0000 | 0.0000 | 86.257 | 0.13504 | 0.00000 | 316523.1 | 185275.8 | 100632.1 | S |
| 88.750 | 0.0000 | 0.0000 | 86.257 | 0.13502 | 0.00000 | 316523.1 | 185279.9 | 100632.1 | S |
| 88.758 | 0.0000 | 0.0000 | 86.257 | 0.13500 | 0.00000 | 316523.1 | 185283.9 | 100632.1 | S |
| 88.767 | 0.0000 | 0.0000 | 86.256 | 0.13499 | 0.00000 | 316523.1 | 185288.0 | 100632.1 | S |
| 88.775 | 0.0000 | 0.0000 | 86.256 | 0.13497 | 0.00000 | 316523.1 | 185292.0 | 100632.1 | S |
| 88.783 | 0.0000 | 0.0000 | 86.256 | 0.13495 | 0.00000 | 316523.1 | 185296.1 | 100632.1 | S |
| 88.792 | 0.0000 | 0.0000 | 86.256 | 0.13494 | 0.00000 | 316523.1 | 185300.1 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Enflow Rate (ft ${ }^{3} \mathrm{~s}$ ) | Outside Recharge (fi/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3 / 3}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 88.800 | 0.0000 | 0.0000 | 86.255 | 0.13492 | 0.00000 | 316523.1 | 185304.2 | 100632.1 | S |
| 88.808 | 0.0000 | 0.0000 | 86.255 | 0.13490 | 0.00000 | 316523.1 | 185308.2 | 100632.1 | S |
| 88.817 | 0.0000 | 0.0000 | 86.255 | 0.13489 | 0.00000 | 316523.1 | 185312.3 | 100632.1 | S |
| 88.825 | 0.0000 | 0.0000 | 86.255 | 0.13487 | 0.00000 | 316523.1 | 185316.3 | 100632.1 | S |
| 88.833 | 0.0000 | 0.0000 | 86.254 | 0.13485 | 0.00000 | 316523.1 | 185320.4 | 100632.1 | S |
| 88.842 | 0.0000 | 0.0000 | 86.254 | 0.13484 | 0.00000 | 316523.1 | 185324.4 | 100632.1 | S |
| 88.850 | 0.0000 | 0.0000 | 86.254 | 0.13482 | 0.00000 | 316523.1 | 185328.4 | 100632.1 | S |
| 88.858 | 0.0000 | 0.0000 | 86.254 | 0.13480 | 0.00000 | 316523.1 | 185332.5 | 100632.1 | S |
| 88.867 | 0.0000 | 0.0000 | 86.253 | 0.13479 | 0.00000 | 316523.1 | 185336.5 | 100632.1 | S |
| 88.875 | 0.0000 | 0.0000 | 86.253 | 0.13477 | 0.00000 | 316523.1 | 185340.6 | 100632.1 | S |
| 88.883 | 0.0000 | 0.0000 | 86.253 | 0.13475 | 0.00000 | 316523.1 | 185344.6 | 100632.1 | S |
| 88.892 | 0.0000 | 0.0000 | 86.253 | 0.13474 | 0.00000 | 316523.1 | 185348.7 | 100632.1 | S |
| 88.900 | 0.0000 | 0.0000 | 86.253 | 0.13472 | 0.00000 | 316523.1 | 185352.7 | 100632.1 | S |
| 88.908 | 0.0000 | 0.0000 | 86.252 | 0.13470 | 0.00000 | 316523.1 | 185356.8 | 100632.7 | S |
| 88.917 | 0.0000 | 0.0000 | 86.252 | 0.13469 | 0.00000 | 316523.1 | 185360.8 | 100632.1 | S |
| 88.925 | 0.0000 | 0.0000 | 86.252 | 0.13467 | 0.00000 | 316523.1 | 185364.8 | 100632.1 | S |
| 88.933 | 0.0000 | 0.0000 | 86.252 | 0.13465 | 0.00000 | 316523.1 | 185368.9 | 100632.1 | S |
| 88.942 | 0.0000 | 0.0000 | 86.251 | 0.13464 | 0.00000 | 316523.1 | 185372.9 | 100632.1 | S |
| 88.950 | 0.0000 | 0.0000 | 86.251 | 0.13462 | 0.00000 | 316523.1 | 185376.9 | 100632.1 | S |
| 88.958 | 0.0000 | 0.0000 | 86.251 | 0.13460 | 0.00000 | 316523.1 | 185381.0 | 100632.1 | S |
| 88.967 | 0.0000 | 0.0000 | 86.251 | 0.13458 | 0.00000 | 316523.1 | 185385.0 | 100632.1 | S |
| 88.975 | 0.0000 | 0.0000 | 86.250 | 0.13457 | 0.00000 | 316523.1 | 185389.1 | 100632.1 | S |
| 88.983 | 0.0000 | 0.0000 | 86.250 | 0.13455 | 0.00000 | 316523.1 | 185393.1 | 100632.1 | S |
| 88.992 | 0.0000 | 0.0000 | 86.250 | 0.13453 | 0.00000 | 316523.1 | 185397.1 | 100632.1 | S |
| 89.000 | 0.0000 | 0.0000 | 86.250 | 0.13452 | 0.00000 | 316523.1 | 185401.2 | 100632.1 | S |
| 89.008 | 0.0000 | 0.0000 | 86.249 | 0.13450 | 0.00000 | 316523.1 | 185405.2 | 100632.1 | S |
| 89.017 | 0.0000 | 0.0000 | 86.249 | 0.13448 | 0.00000 | 316523.1 | 185409.2 | 100632.1 | S |
| 89.025 | 0.0000 | 0.0000 | 86.249 | 0.13447 | 0.00000 | 316523.1 | 185413.3 | 100632.1 | S |
| 89.033 | 0.0000 | 0.0000 | 86.249 | 0.13445 | 0.00000 | 316523.1 | 185417.3 | 100632.1 | S |
| 89.042 | 0.0000 | 0.0000 | 86.249 | 0.13443 | 0.00000 | 316523.1 | 185421.3 | 100632.1 | S |
| 89.050 | 0.0000 | 0.0000 | 86.248 | 0.13442 | 0.00000 | 316523.1 | 185425.4 | 100632.1 | S |
| 89.058 | 0.0000 | 0.0000 | 86.248 | 0.13440 | 0.00000 | 316523.1 | 185429.4 | 100632.1 | S |
| 89.067 | 0.0000 | 0.0000 | 86.248 | 0.13438 | 0.00000 | 316523.1 | 185433.4 | 100632.1 | S |
| 89.075 | 0.0000 | 0.0000 | 86.248 | 0.13437 | 0.00000 | 316523.1 | 185437.5 | 100632.1 | S |
| 89.083 | 0.0000 | 0.0000 | 86.247 | 0.13435 | 0.00000 | 316523.1 | 185441.5 | 100632.1 | S |
| 89.092 | 0.0000 | 0.0000 | 86.247 | 0.13433 | 0.00000 | 316523.1 | 185445.5 | 100632.1 | S |
| 89.100 | 0.0000 | 0.0000 | 86.247 | 0.13432 | 0.00000 | 316523.1 | 185449.6 | 100632.1 | S |
| 89.108 | 0.0000 | 0.0000 | 86.247 | 0.13430 | 0.00000 | 316523.1 | 185453.6 | 100632.1 | S |
| 89.117 | 0.0000 | 0.0000 | 86.246 | 0.13428 | 0.00000 | 316523.1 | 185457.6 | 100632.1 | S |
| 89.125 | 0.0000 | 0.0000 | 86.246 | 0.13427 | 0.00000 | 316523.1 | 185461.6 | 100632.1 | S |
| 89.133 | 0.0000 | 0.0000 | 86.246 | 0.13425 | 0.00000 | 316523.1 | 185465.7 | 100632.1 | S |
| 89.142 | 0.0000 | 0.0000 | 86.246 | 0.13423 | 0.00000 | 316523.1 | 185469.7 | 100632.1 | S |
| 89.150 | 0.0000 | 0.0000 | 86.245 | 0.13422 | 0.00000 | 316523.1 | 185473.7 | 100632.1 | S |
| 89.158 | 0.0000 | 0.0000 | 86.245 | 0.13420 | 0.00000 | 316523.1 | 185477.8 | 100632.1 | S |
| 89.167 | 0.0000 | 0.0000 | 86.245 | 0.13418 | 0.00000 | 316523.1 | 185481.8 | 100632.1 | S |
| 89.175 | 0.0000 | 0.0000 | 86.245 | 0.13417 | 0.00000 | 316523.1 | 185485.8 | 100632.1 | S |
| 89.183 | 0.0000 | 0.0000 | 86.245 | 0.13415 | 0.00000 | 316523.1 | 185489.8 | 100632.1 | S |
| 89.192 | 0.0000 | 0.0000 | 86.244 | 0.13413 | 0.00000 | 316523.1 | 185493.8 | 100632.1 | S |
| 89.200 | 0.0000 | 0.0000 | 86.244 | 0.13412 | 0.00000 | 316523.1 | 185497.9 | 100632.1 | S |
| 89.208 | 0.0000 | 0.0000 | 86.244 | 0.13410 | 0.00000 | 316523.1 | 185501.9 | 100632.1 | S |
| 89.217 | 0.0000 | 0.0000 | 86.244 | 0.13408 | 0.00000 | 316523.1 | 185505.9 | 100632.1 | S |
| 89.225 | 0.0000 | 0.0000 | 86.243 | 0.13407 | 0.00000 | 316523.1 | 185509.9 | 100632.1 | S |
| 89.233 | 0.0000 | 0.0000 | 86.243 | 0.13405 | 0.00000 | 316523.1 | 185514.0 | 100632.1 | S |
| 89.242 | 0.0000 | 0.0000 | 86.243 | 0.13403 | 0.00000 | 316523.1 | 185518.0 | 100632.1 | S |
| 89.250 | 0.0000 | 0.0000 | 86.243 | 0.13402 | 0.00000 | 316523.1 | 185522.0 | 100632.1 | S |
| 89.258 | 0.0000 | 0.0000 | 86.242 | 0.13400 | 0.00000 | 316523.1 | 185526.0 | 100632.1 | S |
| 89.267 | 0.0000 | 0.0000 | 86.242 | 0.13398 | 0.00000 | 316523.1 | 185530.0 | 100632.1 | S |
| 89.275 | 0.0000 | 0.0000 | 86.242 | 0.13397 | 0.00000 | 316523.1 | 185534.1 | 100632.1 | S |
| 89.283 | 0.0000 | 0.0000 | 86.242 | 0.13395 | 0.00000 | 316523.1 | 185538.1 | 100632.1 | S |
| 89.292 | 0.0000 | 0.0000 | 86.242 | 0.13393 | 0.00000 | 316523.1 | 185542.1 | 100632.1 | S |
| 89.300 | 0.0000 | 0.0000 | 86.241 | 0.13392 | 0.00000 | 316523.1 | 185546.1 | 100632.1 | S |
| 89.308 | 0.0000 | 0.0000 | 86.241 | 0.13390 | 0.00000 | 316523.1 | 185550.1 | 100632.1 | S |
| 89.317 | 0.0000 | 0.0000 | 86.241 | 0.13388 | 0.00000 | 316523.1 | 185554.2 | 100632.1 | S |
| 89.325 | 0.0000 | 0.0000 | 86.241 | 0.13387 | 0.00000 | 316523.1 | 185558.2 | 100632.1 | S |
| 89.333 | 0.0000 | 0.0000 | 86.240 | 0.13385 | 0.00000 | 316523.1 | 185562.2 | 100632.1 | S |
| 89.342 | 0.0000 | 0.0000 | 86.240 | 0.13383 | 0.00000 | 316523.1 | 185566.2 | 100632. 1 | S |
| 89.350 | 0.0000 | 0.0000 | 86.240 | 0.13382 | 0.00000 | 316523.1 | 185570.2 | 100632.1 | S |
| 89.358 | 0.0000 | 0.0000 | 86.240 | 0.13380 | 0.00000 | 316523.1 | 185574.2 | 100632.1 | S |
| 89.367 | 0.0000 | 0.0000 | 86.239 | 0.13378 | 0.00000 | 316523.1 | 185578.3 | 100632.1 | S |
| 89.375 | 0.0000 | 0.0000 | 86.239 | 0.13377 | 0.00000 | 316523.1 | 185582.3 | 100632.1 | S |
| 89.383 | 0.0000 | 0.0000 | 86.239 | 0.13375 | 0.00000 | 316523.1 | 185586.3 | 100632.1 | S |
| 89.392 | 0.0000 | 0.0000 | 86.239 | 0.13373 | 0.00000 | 316523.1 | 185590.3 | 100632.1 | S |
| 89.400 | 0.0000 | 0.0000 | 86.238 | 0.13372 | 0.00000 | 316523.1 | 185594.3 | 100632.1 | S |
| 89.408 | 0.0000 | 0.0000 | 86.238 | 0.13370 | 0.00000 | 316523.1 | 185598.3 | 100632.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
$\because$ Scenario $1::$ pond10 100 yr $/ 24$ Hr routing w/ overflow

| Elapsed Time (houfs) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (i/day) | Stage Elevation (ft datum) | Infiltration Rate (f13/s) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Discharge Volume (f13) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 89.417 | 0.0000 | 0.0000 | 86.238 | 0.13368 | 0.00000 | 316523.1 | 185602.3 | 100632.1 | S |
| 89.425 | 0.0000 | 0.0000 | 86.238 | 0.13367 | 0.00000 | 316523.1 | 185606.3 | 100632.1 | S |
| 89.433 | 0.0000 | 0.0000 | 86.238 | 0.13365 | 0.00000 | 316523.1 | 185610.3 | 100632.1 | S |
| 89.442 | 0.0000 | 0.0000 | 86.237 | 0.13363 | 0.00000 | 316523.1 | 185614.3 | 100632.1 | S |
| 89.450 | 0.0000 | 0.0000 | 86.237 | 0.13362 | 0.00000 | 316523.1 | 185618.4 | 100632.1 | S |
| 89.458 | 0.0000 | 0.0000 | 86.237 | 0.13360 | 0.00000 | 316523.1 | 185622.4 | 100632.1 | S |
| 89.467 | 0.0000 | 0.0000 | 86.237 | 0.13359 | 0.00000 | 316523.1 | 185626.4 | 100632.1 | S |
| 89.475 | 0.0000 | 0.0000 | 86.236 | 0.13357 | 0.00000 | 316523.1 | 185630.4 | 100632.1 | S |
| 89,483 | 0.0000 | 0.0000 | 86.236 | 0.13355 | 0.00000 | 316523.1 | 185634.4 | 100632.1 | S |
| 89.492 | 0.0000 | 0.0000 | 86.236 | 0.13354 | 0.00000 | 316523.1 | 185638.4 | 100632.1 | S |
| 89.500 | 0.0000 | 0.0000 | 86.236 | 0.13352 | 0.00000 | 316523.1 | 185642.4 | 100632.1 | S |
| 89.508 | 0.0000 | 0.0000 | 86.235 | 0.13350 | 0.00000 | 316523.1 | 185646.4 | 100632.1 | S |
| 89.517 | 0.0000 | 0.0000 | 86.235 | 0.13349 | 0.00000 | 316523.1 | 185650.4 | 100632.1 | S |
| 89.525 | 0.0000 | 0.0000 | 86.235 | 0.13347 | 0.00000 | 316523.1 | 185654.4 | 100632.1 | S |
| 89.533 | 0.0000 | 0.0000 | 86.235 | 0.13345 | 0.00000 | 316523.1 | 185658.4 | 100632.1 | S |
| 89.542 | 0.0000 | 0.0000 | 86.234 | 0.13344 | 0.00000 | 316523.1 | 185662.4 | 100632.1 | S |
| 89.550 | 0.0000 | 0.0000 | 86.234 | 0.13342 | 0.00000 | 316523.1 | 185666.4 | 100632.1 | S |
| 89.558 | 0.0000 | 0.0000 | 86.234 | 0.13340 | 0.00000 | 316523.1 | 185670.4 | 100632.1 | S |
| 89.567 | 0.0000 | 0.0000 | 86.234 | 0.13339 | 0.00000 | 316523.1 | 185674.4 | 100632.1 | S |
| 89.575 | 0.0000 | 0.0000 | 86.234 | 0.13337 | 0.00000 | 316523.1 | 185678.4 | 100632.1 | S |
| 89.583 | 0.0000 | 0.0000 | 86.233 | 0.13335 | 0.00000 | 316523.1 | 185682.4 | 100632.1 | S |
| 89.592 | 0.0000 | 0.0000 | 86.233 | 0.13334 | 0.00000 | 316523.1 | 185686.4 | 100632.1 | S |
| 89.600 | 0.0000 | 0.0000 | 86.233 | 0.13332 | 0.00000 | 316523.1 | 185690.4 | 100632.1 | S |
| 89.608 | 0.0000 | 0.0000 | 86.233 | 0.13330 | 0.00000 | 316523.1 | 185694.4 | 100632.1 | S |
| 89.617 | 0.0000 | 0.0000 | 86.232 | 0.13329 | 0.00000 | 316523.1 | 185698.4 | 100632.1 | S |
| 89.625 | 0.0000 | 0.0000 | 86.232 | 0.13327 | 0.00000 | 316523.1 | 185702.4 | 100632.1 | S |
| 89.633 | 0.0000 | 0.0000 | 86.232 | 0.13325 | 0.00000 | 316523.1 | 185706.4 | 100632.1 | S |
| 89.642 | 0.0000 | 0.0000 | 86.232 | 0.13324 | 0.00000 | 316523.1 | 185710.4 | 100632.1 | S |
| 89.650 | 0.0000 | 0.0000 | 86.231 | 0.13322 | 0.00000 | 316523.1 | 185714.4 | 100632.1 | S |
| 89,658 | 0.0000 | 0.0000 | 86.231 | 0.13320 | 0.00000 | 316523.1 | 185718.4 | 100632.1 | S |
| 89.667 | 0.0000 | 0.0000 | 86.231 | 0.13319 | 0.00000 | 316523.1 | 185722.4 | 100632.1 | S |
| 89.675 | 0.0000 | 0.0000 | 86.231 | 0.13317 | 0.00000 | 316523.1 | 185726.4 | 100632.1 | S |
| 89.683 | 0.0000 | 0.0000 | 86.231 | 0.13316 | 0.00000 | 316523.1 | 185730.4 | 100632.1 | S |
| 89.692 | 0.0000 | 0.0000 | 86.230 | 0.13314 | 0.00000 | 316523.1 | 185734.4 | 100632.1 | S |
| 89.700 | 0.0000 | 0.0000 | 86.230 | 0.13312 | 0.00000 | 316523.1 | 185738.4 | 100632.1 | S |
| 89.708 | 0.0000 | 0.0000 | 86.230 | 0.13311 | 0.00000 | 316523.1 | 185742.4 | 100632.1 | S |
| 89.717 | 0.0000 | 0.0000 | 86.230 | 0.13309 | 0.00000 | 316523.1 | 185746.4 | 100632.1 | S |
| 89.725 | 0.0000 | 0.0000 | 86.229 | 0.13307 | 0.00000 | 316523.1 | 185750.4 | 100632.1 | S |
| 89.733 | 0.0000 | 0.0000 | 86.229 | 0.13306 | 0.00000 | 316523.1 | 185754.4 | 100632.1 | S |
| 89.742 | 0.0000 | 0.0000 | 86.229 | 0.13304 | 0.00000 | 316523.1 | 185758.3 | 100632.1 | S |
| 89.750 | 0.0000 | 0.0000 | 86.229 | 0.13302 | 0.00000 | 316523.1 | 185762.3 | 100632.1 | S |
| 89.758 | 0.0000 | 0.0000 | 86.228 | 0.13301 | 0.00000 | 316523.1 | 185766.3 | 100632.1 | S |
| 89.767 | 0.0000 | 0.0000 | 86.228 | 0.13299 | 0.00000 | 316523.1 | 185770.3 | 100632.1 | S |
| 89.775 | 0.0000 | 0.0000 | 86.228 | 0.13297 | 0.00000 | 316523.1 | 185774.3 | 100632.1 | S |
| 89.783 | 0.0000 | 0.0000 | 86.228 | 0.13296 | 0.00000 | 316523.1 | 185778.3 | 100632.1 | S |
| 89.792 | 0.0000 | 0.0000 | 86.227 | 0.13294 | 0.00000 | 316523.1 | 185782.3 | 100632.1 | S |
| 89.800 | 0.0000 | 0.0000 | 86.227 | 0.13292 | 0.00000 | 316523.1 | 185786.3 | 100632.1 | S |
| 89.808 | 0,0000 | 0.0000 | 86.227 | 0.13291 | 0.00000 | 316523.1 | 185790.3 | 100632.1 | S |
| 89.817 | 0.0000 | 0.0000 | 86.227 | 0.13289 | 0.00000 | 316523.1 | 185794.3 | 100632.1 | S |
| 89.825 | 0.0000 | 0.0000 | 86.227 | 0.13288 . | 0.00000 | 316523.1 | 185798.2 | 100632.1 | S |
| 89.833 | 0.0000 | 0.0000 | 86.226 | 0.13286 | 0.00000 | 316523.1 | 185802.2 | 100632.1 | S |
| 89.842 | 0.0000 | 0.0000 | 86.226 | 0.13284 | 0.00000 | 316523.1 | 185806.2 | 100632.1 | S |
| 89.850 | 0.0000 | 0.0000 | 86.226 | 0.13283 | 0.00000 | 316523.1 | 185810.2 | 100632.1 | S |
| 89.858 | 0.0000 | 0.0000 | 86.226 | 0.13281 | 0.00000 | 316523.1 | 185814.2 | 100632.1 | S |
| 89.867 | 0.0000 | 0.0000 | 86.225 | 0.13279 | 0.00000 | 316523.1 | 185818.2 | 100632.1 | S |
| 89.875 | 0.0000 | 0.0000 | 86.225 | 0.13278 | 0.00000 | 316523.1 | 185822.1 | 100632.1 | S |
| 89.883 | 0.0000 | 0.0000 | 86.225 | 0.13276 | 0.00000 | 316523.1 | 185826.1 | 100632.1 | S |
| 89.892 | 0.0000 | 0.0000 | 86.225 | 0.13274 | 0.00000 | 316523.1 | 185830.1 | 100632.1 | S |
| 89.900 | 0.0000 | 0.0000 | 86.224 | 0.13273 | 0.00000 | 316523.1 | 185834.1 | 100632.1 | S |
| 89.908 | 0.0000 | 0.0000 | 86.224 | 0.13271 | 0.00000 | 316523.1 | 185838.1 | 100632.1 | S |
| 89.917 | 0.0000 | 0.0000 | 86.224 | 0.13270 | 0.00000 | 316523.1 | 185842.1 | 100632.1 | S |
| 89.925 | 0.0000 | 0.0000 | 86.224 | 0.13268 | 0.00000 | 316523.1 | 185846.0 | 100632.1 | S |
| 89.933 | 0.0000 | 0.0000 | 86.224 | 0.13266 | 0.00000 | 316523.1 | 185850.0 | 100632.1 | S |
| 89.942 | 0.0000 | 0.0000 | 86.223 | 0.13265 | 0.00000 | 316523.1 | 185854.0 | 100632.1 | S |
| 89.950 | 0.0000 | 0.0000 | 86.223 | 0.13263 | 0.00000 | 316523.1 | 185858.0 | 100632.1 | S |
| 89.958 | 0.0000 | 0.0000 | 86.223 | 0.13261 | 0.00000 | 316523.1 | 185862.0 | 100632.1 | S |
| 89.967 | 0.0000 | 0.0000 | 86.223 | 0.13260 | 0.00000 | 316523.1 | 185865.9 | 100632.1 | S |
| 89.975 | 0.0000 | 0.0000 | 86.222 | 0.13258 | 0.00000 | 316523.1 | 185869.9 | 100632.1 | S |
| 89.983 | 0.0000 | 0.0000 | 86.222 | 0.13256 | 0.00000 | 316523.1 | 185873.9 | 100632.1 | S |
| 89.992 | 0.0000 | 0.0000 | 86,222 | 0.13255 | 0.00000 | 316523.1 | 185877.9 | 100632.1 | S |
| 90.000 | 0.0000 | 0.0000 | 86.222 | 0.13253 | 0.00000 | 316523.1 | 185881.8 | 100632.1 | S |
| 90.008 | 0.0000 | 0.0000 | 86.221 | 0.13251 | 0.00000 | 316523.1 | 185885.8 | 100632.1 | S |
| 90.017 | 0.0000 | 0.0000 | 86.221 | 0.13250 | 0.00000 | 316523.1 | 185889.8 | 100632.1 | S |
| 90.025 | 0.0000 | 0.0000 | 86.221 | 0.13248 | 0.00000 | 316523.1 | 185893.8 | 100632.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
: Scenario 1 :: pond10 100 yr $/ 24$ Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{R}^{3 / \mathrm{S}} \mathrm{S}$ ) | Outside Recharge (fUday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{H}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 90.033 | 0.0000 | 0.0000 | 86.221 | 0.13247 | 0.00000 | 316523.1 | 185897.7 | \$00632.1 | S |
| 90.042 | 0.0000 | 0.0000 | 86.220 | 0.13245 | 0.00000 | 316523.1 | 185901.7 | 100632.1 | S |
| 90.050 | 0.0000 | 0.0000 | 86.220 | 0.13243 | 0.00000 | 316523.1 | 185905.7 | 100632.1 | S |
| 90.058 | 0.0000 | 0.0000 | 86.220 | 0.13242 | 0.00000 | 316523.1 | 185909.7 | 100632.1 | S |
| 90,067 | 0.0000 | 0.0000 | 86.220 | 0.13240 | 0.00000 | 316523.1 | 185913.6 | 100632.1 | S |
| 90.075 | 0.0000 | 0.0000 | 86.220 | 0.13238 | 0.00000 | 316523.1 | 185917.6 | 100632.1 | S |
| 90.083 | 0.0000 | 0.0000 | 86.219 | 0.13237 | 0.00000 | 316523.1 | 185921.6 | 100632.1 | S |
| 90.092 | 0.0000 | 0.0000 | 86.219 | 0.13235 | 0.00000 | 316523.1 | 185925.5 | 100632.1 | S |
| 90.100 | 0.0000 | 0.0000 | 86.219 | 0.13234 | 0.00000 | 316523.1 | 185929.5 | 100632.1 | S |
| 90.108 | 0.0000 | 0.0000 | 86.219 | 0.13232 | 0.00000 | 316523.1 | 185933.5 | 100632.1 | S |
| 90.117 | 0.0000 | 0.0000 | 86.218 | 0.13230 | 0.00000 | 316523.1 | 185937.5 | 100632.1 | S |
| 90.125 | 0.0000 | 0.0000 | 86.218 | 0.13229 | 0.00000 | 316523.1 | 185941.4 | 100632.1 | S |
| 90.133 | 0.0000 | 0.0000 | 86.218 | 0.13227 | 0.00000 | 316523.1 | 185945.4 | 100632.1 | S |
| 90.142 | 0.0000 | 0.0000 | 86.218 | 0.13225 | 0.00000 | 316523.1 | 185949.4 | 100632.1 | S |
| 90.150 | 0.0000 | 0.0000 | 86.217 | 0.13224 | 0.00000 | 316523.1 | 185953.3 | 100632.1 | S |
| 90.158 | 0.0000 | 0.0000 | 86.217 | 0.13222 | 0.00000 | 316523.1 | 185957.3 | 100632.1 | S |
| 90.167 | 0.0000 | 0.0000 | 86.217 | 0.13220 | 0.00000 | 316523.1 | 185961.3 | 100632.1 | S |
| 90.175 | 0.0000 | 0.0000 | 86.217 | 0.13219 | 0.00000 | 316523.1 | 185965.2 | 100632.1 | S |
| 90.183 | 0.0000 | 0.0000 | 86.217 | 0.13217 | 0.00000 | 316523.1 | 185969.2 | 100632.1 | S |
| 90.192 | 0.0000 | 0.0000 | 86.216 | 0.13216 | 0.00000 | 316523.1 | 185973.2 | 100632.1 | S |
| 90.200 | 0.0000 | 0.0000 | 86.216 | 0.13214 | 0.00000 | 316523.1 | 185977.1 | 100632.1 | S |
| 90.208 | 0.0000 | 0.0000 | 86.216 | 0.13212 | 0.00000 | 316523.1 | 185981.1 | 100632.1 | S |
| 90.217 | 0.0000 | 0.0000 | 86.216 | 0.13211 | 0.00000 | 316523.1 | 185985.0 | 100632.1 | S |
| 90.225 | 0.0000 | 0.0000 | 86.215 | 0.13209 | 0.00000 | 316523.1 | 185989.0 | 100632.1 | S |
| 90.233 | 0.0000 | 0.0000 | 86.215 | 0.13207 | 0.00000 | 316523.1 | 185993.0 | 100632.1 | S |
| 90.242 | 0.0000 | 0.0000 | 86.215 | 0.13206 | 0.00000 | 316523.1 | 185996.9 | 100632.1 | S |
| 90.250 | 0.0000 | 0.0000 | 86.215 | 0.13204 | 0.00000 | 316523.1 | 186000.9 | 100632.1 | S |
| 90.258 | 0.0000 | 0.0000 | 86.214 | 0.13203 | 0.00000 | 316523.1 | 186004.9 | 100632.1 | S |
| 90.267 | 0.0000 | 0.0000 | 86.214 | 0.13201 | 0.00000 | 316523.1 | 186008.8 | 100632.1 | S |
| 90.275 | 0.0000 | 0.0000 | 86.214 | 0.13199 | 0.00000 | 316523.1 | 186012.8 | 100632.1 | S |
| 90.283 | 0.0000 | 0.0000 | 86.214 | 0.13198 | 0.00000 | 316523.1 | 186016.7 | 100632.1 | S |
| 90.292 | 0.0000 | 0.0000 | 86.214 | 0.13196 | 0.00000 | 316523.1 | 186020.7 | 100632.1 | S |
| 90.300 | 0.0000 | 0.0000 | 86.213 | 0.13194 | 0.00000 | 316523.1 | 786024.7 | 100632.1 | S |
| 90.308 | 0.0000 | 0.0000 | 86.213 | 0.13193 | 0.00000 | 316523.1 | 186028.6 | 100632.1 | S |
| 90.317 | 0.0000 | 0.0000 | 86.213 | 0.13191 | 0.00000 | 316523.1 | 186032.6 | 100632.1 | S |
| 90.325 | 0.0000 | 0.0000 | 86.213 | 0.13190 | 0.00000 | 316523.1 | 186036.5 | 100632.1 | S |
| 90.333 | 0.0000 | 0.0000 | 86.212 | 0.13188 | 0.00000 | 316523.1 | 186040.5 | 100632.1 | S |
| 90.342 | 0.0000 | 0.0000 | 86.212 | 0.13186 | 0.00000 | 316523.1 | 186044.4 | 100632.1 | S |
| 90.350 | 0.0000 | 0.0000 | 86.212 | 0.13185 | 0.00000 | 316523.1 | 186048.4 | 100632.1 | S |
| 90.358 | 0.0000 | 0.0000 | 86.212 | 0.13183 | 0.00000 | 316523.1 | 186052.4 | 100632.1 | S |
| 90.367 | 0.0000 | 0.0000 | 86.211 | 0.13181 | 0.00000 | 316523.1 | 186056.3 | 100632.1 | S |
| 90.375 | 0.0000 | 0.0000 | 86.211 | 0.13180 | 0.00000 | 316523.1 | 186060.3 | 100632.1 | S |
| 90.383 | 0.0000 | 0.0000 | 86.211 | 0.13178 | 0.00000 | 316523.1 | 186064.2 | 100632.1 | S |
| 90.392 | 0.0000 | 0.0000 | 86.211 | 0.13177 | 0.00000 | 316523.1 | 186068.2 | 100632.1 | S |
| 90.400 | 0.0000 | 0.0000 | 86.211 | 0.13175 | 0.00000 | 316523.1 | 186072.1 | 100632.1 | S |
| 90.408 | 0.0000 | 0.0000 | 86.210 | 0.13173 | 0.00000 | 316523.1 | 186076.1 | 100632.1 | S |
| 90.417 | 0.0000 | 0.0000 | 86.210 | 0.13172 | 0.00000 | 316523.1 | 186080.0 | 100632.1 | S |
| 90.425 | 0.0000 | 0.0000 | 86.210 | 0.13170 | 0.00000 | 316523.1 | 186084.0 | 100632.1 | S |
| 90.433 | 0.0000 | 0.0000 | 86.210 | 0.13168 | 0.00000 | 316523.1 | 186087.9 | 100632.1 | S |
| 90.442 | 0.0000 | 0.0000 | 86.209 | 0.13167 | 0.00000 | 316523.1 | 186091.9 | 100632.1 | S |
| 90.450 | 0.0000 | 0.0000 | 86.209 | 0.13165 | 0.00000 | 316523.1 | 186095.8 | 100632.1 | S |
| 90.458 | 0.0000 | 0.0000 | 86.209 | 0.13164 | 0.00000 | 316523.1 | 186099.8 | 100632.1 | S |
| 90.467 | 0.0000 | 0.0000 | 86.209 | 0.13162 | 0.00000 | 316523.1 | 186103.7 | 100632.1 | S |
| 90.475 | 0.0000 | 0.0000 | 86.208 | 0.13160 | 0.00000 | 316523.1 | 186107.7 | 100632.1 | S |
| 90.483 | 0.0000 | 0.0000 | 86.208 | 0.13159 | 0.00000 | 316523.1 | 186111.6 | 100632.1 | S |
| 90.492 | 0.0000 | 0.0000 | 86.208 | 0.13157 | 0.00000 | 316523.1 | 186115.6 | 100632.1 | S |
| 90.500 | 0.0000 | 0.0000 | 86.208 | 0.13156 | 0.00000 | 316523.1 | 186119.5 | 100632.1 | S |
| 90.508 | 0.0000 | 0.0000 | 86.208 | 0.13154 | 0.00000 | 316523.1 | 186123.5 | 100632.1 | S |
| 90.517 | 0.0000 | 0.0000 | 86.207 | 0.13152 | 0.00000 | 316523.1 | 186127.4 | 100632.1 | S |
| 90.525 | 0.0000 | 0.0000 | 86.207 | 0.13151 | 0.00000 | 316523.1 | 186131.4 | 100632.1 | S |
| 90.533 | 0.0000 | 0.0000 | 86.207 | 0.13149 | 0.00000 | 316523.1 | 186135.3 | 100632.1 | S |
| 90.542 | 0.0000 | 0.0000 | 86.207 | 0.13147 | 0.00000 | 316523.1 | 186139.3 | 100632.1 | S |
| 90.550 | 0.0000 | 0.0000 | 86.206 | 0.13146 | 0.00000 | 316523.1 | 186143.2 | 100632.1 | S |
| 90.558 | 0.0000 | 0.0000 | 86.206 | 0.13144 | 0.00000 | 316523.1 | 186147.1 | 100632.1 | S |
| 90.567 | 0.0000 | 0.0000 | 86.206 | 0.13143 | 0.00000 | 316523.1 | 186151.1 | 100632.1 | S |
| 90.575 | 0.0000 | 0.0000 | 86.206 | 0.13141 | 0.00000 | 316523.1 | $\$ 86155.0$ | 100632.1 | S |
| 90.583 | 0.0000 | 0.0000 | 86.205 | 0.13139 | 0.00000 | 316523.1 | 186159.0 | 100632.1 | S |
| 90.592 | 0.0000 | 0.0000 | 86.205 | 0.13138 | 0.00000 | 316523.1 | 186162.9 | 100632.1 | S |
| 90.600 | 0.0000 | 0.0000 | 86.205 | 0.13136 | 0.00000 | 316523.1 | 186166.8 | 100632.1 | S |
| 90.608 | 0.0000 | 0.0000 | 86.205 | 0.13134 | 0.00000 | 316523.1 | 186170.8 | 100632.1 | S |
| 90.617 | 0.0000 | 0.0000 | 86.204 | 0.13133 | 0.00000 | 316523.1 | 186174.7 | 100632.1 | S |
| 90.625 | 0.0000 | 0.0000 | 86.204 | 0.13131 | 0.00000 | 316523.1 | 186178.7 | 100632.1 | S |
| 90.633 | 0.0000 | 0.0000 | 86.204 | 0.13130 | 0.00000 | 316523.1 | 186182.6 | 100632.1 | S |
| 90.642 | 0.0000 | 0.0000 | 86.204 | 0.13128 | 0.00000 | 316523.1 | 186186.5 | 100632.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{t}^{3 / 3} \mathrm{~s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ff}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 90.650 | 0.0000 | 0.0000 | 86.204 | 0.13126 | 0.00000 | 316523.1 | 186190.5 | 100632.1 | S |
| 90.658 | 0.0000 | 0.0000 | 86.203 | 0.13125 | 0.00000 | 316523.1 | 186194.4 | 100632.1 | S |
| 90.667 | 0.0000 | 0.0000 | 86.203 | 0.13123 | 0.00000 | 316523.1 | 186198.4 | 100632.1 | S |
| 90.675 | 0.0000 | 0.0000 | 86.203 | 0.13122 | 0.00000 | 316523.1 | 186202.3 | 100632.1 | S |
| 90.683 | 0.0000 | 0.0000 | 86.203 | 0.13120 | 0.00000 | 316523.1 | 186206.2 | 100632.1 | S |
| 90.692 | 0.0000 | 0.0000 | 86.202 | 0.13118 | 0.00000 | 316523.1 | 186210.2 | 100632.1 | S |
| 90.700 | 0.0000 | 0.0000 | 86.202 | 0.13117 | 0.00000 | 316523.1 | 186214.1 | 100632.1 | S |
| 90.708 | 0.0000 | 0.0000 | 86.202 | 0.13115 | 0.00000 | 316523.1 | 186218.0 | 100632.1 | S |
| 90.717 | 0.0000 | 0.0000 | 86.202 | 0.13114 | 0.00000 | 316523.1 | 186222.0 | 100632.1 | S |
| 90.725 | 0.0000 | 0.0000 | 86.201 | 0.13112 | 0.00000 | 316523.1 | 186225.9 | 100632.1 | S |
| 90.733 | 0.0000 | 0.0000 | 86.201 | 0.13110 | 0.00000 | 316523.1 | 186229.8 | 100632.1 | S |
| 90.742 | 0.0000 | 0.0000 | 86.201 | 0.13109 | 0.00000 | 316523.1 | 186233.8 | 100632.1 | S |
| 90.750 | 0.0000 | 0.0000 | 86.201 | 0.13107 | 0.00000 | 316523.1 | 186237.7 | 100632.1 | S |
| 90.758 | 0.0000 | 0.0000 | 86.201 | 0.13105 | 0.00000 | 316523.1 | 186241.6 | 100632.1 | S |
| 90.767 | 0.0000 | 0.0000 | 86.200 | 0.13104 | 0.00000 | 316523.1 | 186245.6 | 100632.1 | S |
| 90.775 | 0.0000 | 0.0000 | 86.200 | 0.13102 | 0.00000 | 316523.1 | 186249.5 | 100632.1 | S |
| 90.783 | 0.0000 | 0.0000 | 86.200 | 0.13101 | 0.00000 | 316523.1 | 186253.4 | 100632.1 | S |
| 90.792 | 0.0000 | 0.0000 | 86.200 | 0.13099 | 0.00000 | 316523.1 | 186257.4 | 100632.1 | S |
| 90.800 | 0.0000 | 0.0000 | 86.199 | 0.13097 | 0.00000 | 316523.1 | 186261.3 | 100632.1 | S |
| 90.808 | 0.0000 | 0.0000 | 86.199 | 0.13096 | 0.00000 | 316523.1 | 186265.2 | 100632.1 | S |
| 90.817 | 0.0000 | 0.0000 | 86.199 | 0.13094 | 0.00000 | 316523.1 | 186269.1 | 100632.1 | S |
| 90.825 | 0.0000 | 0.0000 | 86.199 | 0.13093 | 0.00000 | 316523.1 | 186273.1 | 100632.1 | S |
| 90.833 | 0.0000 | 0.0000 | 86.198 | 0.13091 | 0.00000 | 316523.1 | 186277.0 | 100632.1 | S |
| 90.842 | 0.0000 | 0.0000 | 86.198 | 0.13089 | 0.00000 | 316523.1 | 186280.9 | 100632.1 | S |
| 90.850 | 0.0000 | 0.0000 | 86.198 | 0.13088 | 0.00000 | 316523.1 | 186284.8 | 100632.1 | S |
| 90.858 | 0.0000 | 0.0000 | 86.198 | 0.13086 | 0.00000 | 316523.1 | 186288.8 | 100632.1 | S |
| 90.867 | 0.0000 | 0.0000 | 86.198 | 0.13085 | 0.00000 | 316523.1 | 186292.7 | 100632.1 | S |
| 90.875 | 0.0000 | 0.0000 | 86.197 | 0.13083 | 0.00000 | 316523.1 | 186296.6 | 100632.1 | S |
| 90.883 | 0.0000 | 0.0000 | 86.197 | 0.13081 | 0.00000 | 316523.1 | 186300.5 | 100632.1 | S |
| 90.892 | 0.0000 | 0.0000 | 86.197 | 0.13080 | 0.00000 | 316523.1 | 186304.5 | 100632.1 | S |
| 90.900 | 0.0000 | 0.0000 | 86.197 | 0.13078 | 0.00000 | 316523.1 | 186308.4 | 100632.1 | S |
| 90.908 | 0.0000 | 0.0000 | 86.196 | 0.13077 | 0.00000 | 316523.1 | 186312.3 | 100632.1 | S |
| 90.917 | 0.0000 | 0.0000 | 86.196 | 0.13075 | 0.00000 | 316523.1 | 186316.3 | 100632.1 | S |
| 90.925 | 0.0000 | 0.0000 | 86.196 | 0.13073 | 0.00000 | 316523.1 | 186320.2 | 100632.1 | S |
| 90.933 | 0.0000 | 0.0000 | 86.196 | 0.13072 | 0.00000 | 316523.1 | 186324.1 | 100632.1 | S |
| 90.942 | 0.0000 | 0.0000 | 86.195 | 0.13070 | 0.00000 | 316523.1 | 186328.0 | 100632.1 | S |
| 90.950 | 0.0000 | 0.0000 | 86.195 | 0.13069 | 0.00000 | 316523.1 | 186331.9 | 100632.1 | S |
| 90.958 | 0.0000 | 0.0000 | 86.195 | 0.13067 | 0.00000 | 316523.1 | 186335.8 | 100632.1 | S |
| 90.967 | 0.0000 | 0.0000 | 86.195 | 0.13065 | 0.00000 | 316523.1 | 186339.8 | 100632.1 | S |
| 90.975 | 0.0000 | 0.0000 | 86.195 | 0.13064 | 0.00000 | 316523.1 | 186343.7 | 100632.1 | S |
| 90.983 | 0.0000 | 0.0000 | 86.194 | 0.13062 | 0.00000 | 316523.1 | 186347.6 | 100632.1 | S |
| 90.992 | 0.0000 | 0.0000 | 86.194 | 0.13061 | 0.00000 | 316523.1 | 186351.5 | 100632.1 | S |
| 91.000 | 0.0000 | 0.0000 | 86.194 | 0.13059 | 0.00000 | 316523.1 | 186355.4 | 100632.1 | S |
| 91.008 | 0.0000 | 0.0000 | 86.194 | 0.13057 | 0.00000 | 316523.1 | 186359.4 | 100632.1 | S |
| 91.017 | 0.0000 | 0.0000 | 86.193 | 0.13056 | 0.00000 | 316523.1 | 186363.3 | 100632.1 | S |
| 91.025 | 0.0000 | 0.0000 | 86.193 | 0.13054 | 0.00000 | 316523.1 | 186367.2 | 100632.1 | S |
| 91.033 | 0.0000 | 0.0000 | 86.193 | 0.13053 | 0.00000 | 316523.1 | 186371.1 | 100632.1 | S |
| 91.042 | 0.0000 | 0.0000 | 86.193 | 0.13051 | 0.00000 | 316523.1 | 186375.0 | 100632.1 | S |
| 91.050 | 0.0000 | 0.0000 | 86.192 | 0.13049 | 0.00000 | 316523.1 | 186378.9 | 100632.1 | S |
| 91.058 | 0.0000 | 0.0000 | 86.192 | 0.13048 | 0.00000 | 316523.1 | 186382.9 | 100632.1 | S |
| 91.067 | 0.0000 | 0.0000 | 86.192 | 0.13046 | 0.00000 | 316523.1 | 186386.8 | 100632.1 | S |
| 91.075 | 0.0000 | 0.0000 | 86.192 | 0.13045 | 0.00000 | 316523.1 | 186390.7 | 100632.1 | S |
| 91.083 | 0.0000 | 0.0000 | 86.192 | 0.13043 | 0.00000 | 316523.1 | 186394.6 | 100632.1 | S |
| 91.092 | 0.0000 | 0.0000 | 86.191 | 0.13041 | 0.00000 | 316523.1 | 186398.5 | 100632.1 | S |
| 91.100 | 0.0000 | 0.0000 | 86.191 | 0.13040 | 0.00000 | 316523.1 | 186402.4 | 100632.1 | S |
| 91.108 | 0.0000 | 0.0000 | 86.191 | 0.13038 | 0.00000 | 316523.1 | 186406.3 | 100632.1 | S |
| 91.117 | 0.0000 | 0.0000 | 86.191 | 0.13037 | 0.00000 | 316523.1 | 186410.3 | 100632.1 | S |
| 91.125 | 0.0000 | 0.0000 | 86.190 | 0.13035 | 0.00000 | 316523.1 | 186414.2 | 100632.1 | S |
| 91.133 | 0.0000 | 0.0000 | 86.190 | 0.13033 | 0.00000 | 316523.1 | 186418.1 | 100632.1 | S |
| 91.142 | 0.0000 | 0.0000 | 86.190 | 0.13032 | 0.00000 | 316523.1 | 186422.0 | 100632.1 | S |
| 91.150 | 0.0000 | 0.0000 | 86.190 | 0.13030 | 0.00000 | 316523.1 | 186425.9 | 100632.1 | S |
| 91.158 | 0.0000 | 0.0000 | 86.189 | 0.13029 | 0.00000 | 316523.1 | 186429.8 | 100632.1 | S |
| 91, 167 | 0.0000 | 0.0000 | 86.189 | 0.13027 | 0.00000 | 316523.1 | 186433.7 | 100632.1 | S |
| 91.775 | 0.0000 | 0.0000 | 86.189 | 0.13025 | 0.00000 | 316523.1 | 186437.6 | 100632.1 | S |
| 91.183 | 0.0000 | 0.0000 | 86.189 | 0.13024 | 0.00000 | 316523.1 | 186441.5 | 100632.1 | S |
| 91.192 | 0.0000 | 0.0000 | 86.189 | 0.13022 | 0.00000 | 316523.1 | 186445.4 | 100632.1 | S |
| 91.200 | 0.0000 | 0.0000 | 86.188 | 0.13021 | 0.00000 | 316523.1 | 186449.3 | 100632.1 | S |
| 91.208 | 0.0000 | 0.0000 | 86.188 | 0.13019 | 0.00000 | 316523.1 | 186453.2 | 100632.1 | S |
| 91.217 | 0.0000 | 0.0000 | 86.188 | 0.13017 | 0.00000 | 316523.1 | 186457.1 | 100632.1 | S |
| 91.225 | 0.0000 | 0.0000 | 86.188 | 0.13016 | 0.00000 | 316523.1 | 186461.0 | 100632.1 | S |
| 91.233 | 0.0000 | 0.0000 | 86.187 | 0.13014 | 0.00000 | 316523.1 | 186465.0 | 100632.1 | S |
| 91.242 | 0.0000 | 0.0000 | 86.187 | 0.13013 | 0.00000 | 316523.1 | 186468.9 | 100632.1 | S |
| 91.250 | 0.0000 | 0.0000 | 86.187 | 0.13011 | 0.00000 | 316523.1 | 186472.8 | 100632.1 | S |
| 91.258 | 0.0000 | 0.0000 | 86.187 | 0.13010 | 0.00000 | 316523.1 | 186476.7 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{3 / 5}$ ) | Outside Recharge (f/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge (ft ${ }^{3} / \mathrm{s}$ ) | Cumulative Enflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 91.267 | 0.0000 | 0.0000 | 86.187 | 0.13008 | 0.00000 | 316523.1 | 186480.6 | 100632.1 | S |
| 91.275 | 0.0000 | 0.0000 | 86.186 | 0.13006 | 0.00000 | 316523.1 | 186484.5 | 100632.1 | S |
| 91.283 | 0.0000 | 0.0000 | 86.186 | 0.13005 | 0.00000 | 316523.1 | 186488.4 | 100632.1 | S |
| 91.292 | 0.0000 | 0.0000 | 86.186 | 0.13003 | 0.00000 | 316523.1 | 186492.3 | 100632.1 | S |
| 91.300 | 0.0000 | 0.0000 | 86.186 | 0.13002 | 0.00000 | 316523.1 | 186496.2 | 100632.1 | S |
| 91.308 | 0.0000 | 0.0000 | 86.185 | 0.13000 | 0.00000 | 316523.1 | 186500.1 | 100632.1 | S |
| 91.317 | 0.0000 | 0.0000 | 86.185 | 0.12998 | 0.00000 | 316523.1 | 186504.0 | 100632.1 | S |
| 91.325 | 0.0000 | 0.0000 | 86.185 | 0.12997 | 0.00000 | 316523.1 | 186507.9 | 100632.1 | S |
| 91.333 | 0.0000 | 0.0000 | 86.185 | 0.12995 | 0.00000 | 316523.1 | 186511.8 | 100632.1 | S |
| 91.342 | 0.0000 | 0.0000 | 86.184 | 0.12994 | 0.00000 | 316523.1 | 186515.7 | 100632.1 | S |
| 91.350 | 0.0000 | 0.0000 | 86.184 | 0.12992 | 0.00000 | 316523.1 | 186519.6 | 100632.1 | S |
| 91.358 | 0.0000 | 0.0000 | 86.184 | 0.12990 | 0.00000 | 316523.1 | 186523.5 | 100632.1 | S |
| 91.367 | 0.0000 | 0.0000 | 86.184 | 0.12989 | 0.00000 | 316523.1 | 186527.4 | 700632.1 | S |
| 91.375 | 0.0000 | 0.0000 | 86.184 | 0.12987 | 0.00000 | 316523.1 | 186531.3 | 100632.1 | S |
| 91.383 | 0.0000 | 0.0000 | 86.183 | 0.12986 | 0.00000 | 316523.1 | 186535.2 | 100632.1 | S |
| 91.392 | 0.0000 | 0.0000 | 86.183 | 0.12984 | 0.00000 | 316523.1 | 186539.0 | 100632.1 | S |
| 91.400 | 0.0000 | 0.0000 | 86.183 | 0.12983 | 0.00000 | 316523.1 | 186542.9 | 100632.1 | S |
| 91.408 | 0.0000 | 0.0000 | 86.183 | 0.12981 | 0.00000 | 316523.1 | 186546.8 | 100632.1 | S |
| 91.417 | 0.0000 | 0.0000 | 86.182 | 0.12979 | 0.00000 | 316523.1 | 186550.7 | 100632.1 | S |
| 91.425 | 0.0000 | 0.0000 | 86.182 | 0.12978 | 0.00000 | 316523.1 | 186554.6 | 100632.1 | S |
| 91.433 | 0.0000 | 0.0000 | 86.182 | 0.12976 | 0.00000 | 316523.1 | 186558.5 | 100632.1 | S |
| 91.442 | 0.0000 | 0.0000 | 86.182 | 0.12975 | 0.00000 | 316523.1 | 186562.4 | 100632.1 | S |
| 91.450 | 0.0000 | 0.0000 | 86.181 | 0.12973 | 0.00000 | 316523.1 | 186566.3 | 100632.1 | S |
| 91.458 | 0.0000 | 0.0000 | 86.181 | 0.12971 | 0.00000 | 316523.1 | 186570.2 | 100632.1 | S |
| 91.467 | 0.0000 | 0.0000 | 86.181 | 0.12970 | 0.00000 | 316523.1 | 186574.1 | 100632.1 | S |
| 91.475 | 0.0000 | 0.0000 | 86.181 | 0.12968 | 0.00000 | 316523.1 | 186578.0 | 100632.1 | S |
| 91.483 | 0.0000 | 0.0000 | 86.181 | 0.12967 | 0.00000 | 316523.1 | 186581.9 | 100632.1 | S |
| 91.492 | 0.0000 | 0.0000 | 86.180 | 0.12965 | 0.00000 | 316523.1 | 186585.8 | 100632.1 | S |
| 91.500 | 0.0000 | 0.0000 | 86.180 | 0.12964 | 0.00000 | 316523.1 | 186589.6 | 100632.1 | S |
| 91.508 | 0.0000 | 0.0000 | 86.180 | 0.12962 | 0.00000 | 316523.1 | 186593.5 | 100632.1 | S |
| 91.517 | 0.0000 | 0.0000 | 86.180 | 0.12960 | 0.00000 | 316523.1 | 186597.4 | 100632.1 | S |
| 91.525 | 0.0000 | 0.0000 | 86.179 | 0.12959 | 0.00000 | 316523.1 | 186601.3 | 100632.1 | S |
| 91.533 | 0.0000 | 0.0000 | 86.179 | 0.12957 | 0.00000 | 316523.1 | 186605.2 | 100632.1 | S |
| 91.542 | 0.0000 | 0.0000 | 86.179 | 0.12956 | 0.00000 | 316523.1 | 186609.1 | 100632.1 | S |
| 91.550 | 0.0000 | 0.0000 | 86.179 | 0.12954 | 0.00000 | 316523.1 | 186613.0 | 100632.1 | S |
| 91.558 | 0.0000 | 0.0000 | 86.178 | 0.12952 | 0.00000 | 316523.1 | 186616.9 | 100632.1 | S |
| 91.567 | 0.0000 | 0.0000 | 86.178 | 0.12951 | 0.00000 | 316523.1 | 186620.8 | 100632.1 | S |
| 91.575 | 0.0000 | 0.0000 | 86.178 | 0.12949 | 0.00000 | 316523.1 | \$86624.6 | 100632.1 | S |
| 91.583 | 0.0000 | 0.0000 | 86.178 | 0.12948 | 0.00000 | 316523.1 | 186628.5 | 100632.1 | S |
| 91.592 | 0.0000 | 0.0000 | 86.178 | 0.12946 | 0.00000 | 316523.1 | 186632.4 | 100632.1 | S |
| 91.600 | 0.0000 | 0.0000 | 86.177 | 0.12945 | 0.00000 | 316523.1 | 186636.3 | 100632.1 | S |
| 91.608 | 0.0000 | 0.0000 | 86.177 | 0.12943 | 0.00000 | 316523.1 | 186640.2 | 100632.1 | S |
| 91.617 | 0.0000 | 0.0000 | 86.177 | 0.12941 | 0.00000 | 316523.1 | 186644.0 | 100632.1 | S |
| 91.625 | 0.0000 | 0.0000 | 86.177 | 0.12940 | 0.00000 | 316523.1 | 186647.9 | 100632.1 | S |
| 91.633 | 0.0000 | 0.0000 | 86.176 | 0.12938 | 0.00000 | 316523.1 | 186651.8 | 100632.1 | S |
| 91.642 | 0.0000 | 0.0000 | 86.176 | 0.12937 | 0.00000 | 316523.1 | 186655.7 | 100632.1 | S |
| 91.650 | 0.0000 | 0.0000 | 86.176 | 0.12935 | 0.00000 | 316523.1 | 186659.6 | 100632.1 | S |
| 91.658 | 0.0000 | 0.0000 | 86.176 | 0.12934 | 0.00000 | 316523.1 | 186663.5 | 100632.1 | S |
| 91.667 | 0.0000 | 0.0000 | 86.175 | 0.12932 | 0.00000 | 316523.1 | 186667.3 | 100632.1 | S |
| 91.675 | 0.0000 | 0.0000 | 86.175 | 0.12930 | 0.00000 | 316523.1 | 186671.2 | 100632.1 | S |
| 91.683 | 0.0000 | 0.0000 | 86.175 | 0.12929 | 0.00000 | 316523.1 | 186675.1 | 100632.1 | S |
| 91.692 | 0.0000 | 0.0000 | 86.175 | 0.12927 | 0.00000 | 316523.1 | 186679.0 | 100632.1 | S |
| 91.700 | 0.0000 | 0.0000 | 86.175 | 0.12926 | 0.00000 | 316523.1 | 186682.8 | 100632.1 | S |
| 91.708 | 0.0000 | 0.0000 | 86.174 | 0.12924 | 0.00000 | 316523.1 | 186686.7 | 100632.1 | S |
| 91.717 | 0.0000 | 0.0000 | 86.174 | 0.12923 | 0.00000 | 316523.1 | 186690.6 | 100632.1 | S |
| 91.725 | 0.0000 | 0.0000 | 86.174 | 0.12921 | 0.00000 | 316523.1 | 186694.5 | 100632.1 | S |
| 91.733 | 0.0000 | 0.0000 | 86.174 | 0.12919 | 0.00000 | 316523.1 | 186698.4 | 100632.1 | S |
| 91.742 | 0.0000 | 0.0000 | 86.173 | 0.12918 | 0.00000 | 316523.1 | 186702.2 | 100632.1 | S |
| 91.750 | 0.0000 | 0.0000 | 86.173 | 0.12916 | 0.00000 | 316523.1 | 186706.1 | 100632.1 | S |
| 91.758 | 0.0000 | 0.0000 | 86.173 | 0.12915 | 0.00000 | 316523.1 | 186710.0 | 100632.1 | S |
| 91.767 | 0.0000 | 0.0000 | 86.173 | 0.12913 | 0.00000 | 316523.1 | 186713.9 | 100632.1 | S |
| 91.775 | 0.0000 | 0.0000 | 86.173 | 0.12912 | 0.00000 | 316523.1 | 186717.7 | 100632.1 | S |
| 91.783 | 0.0000 | 0.0000 | 86.172 | 0.12910 | 0.00000 | 316523.1 | 186721.6 | 100632.1 | S |
| 91.792 | 0.0000 | 0.0000 | 86.172 | 0.12908 | 0.00000 | 316523.1 | 186725.5 | 100632.7 | S |
| 91.800 | 0.0000 | 0.0000 | 86.172 | 0.12907 | 0.00000 | 316523.1 | 186729.3 | 100632.1 | S |
| 91.808 | 0.0000 | 0.0000 | 86.172 | 0.12905 | 0.00000 | 316523.1 | 186733.2 | 100632.1 | S |
| 91.817 | 0.0000 | 0.0000 | 86.171 | 0.12904 | 0.00000 | 316523.1 | 186737.1 | 100632.1 | S |
| 91.825 | 0.0000 | 0.0000 | 86.171 | 0.12902 | 0.00000 | 316523.1 | 186741.0 | 100632.1 | S |
| 91.833 | 0.0000 | 0.0000 | 86.171 | 0.12901 | 0.00000 | 316523.1 | 186744.8 | 100632.1 | S |
| 91.842 | 0.0000 | 0.0000 | 86.171 | 0.12899 | 0.00000 | 316523.1 | 186748.7 | 100632.1 | S |
| 91.850 | 0.0000 | 0.0000 | 86.170 | 0.12897 | 0.00000 | 316523.1 | 186752.6 | 100632.1 | S |
| 91.858 | 0.0000 | 0.0000 | 86.170 | 0.12896 | 0.00000 | 316523.1 | 186756.4 | 100632.1 | S |
| 91.867 | 0.0000 | 0.0000 | 86.170 | 0.12894 | 0.00000 | 316523.1 | 186760.3 | 100632.1 | S |
| 91.875 | 0.0000 | 0.0000 | 86.170 | 0.12893 | 0.00000 | 316523.1 | 186764.2 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | inflow Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3 / 3}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Voiume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 91.883 | 0.0000 | 0.0000 | 86.170 | 0.12891 | 0.00000 | 316523.1 | 186768.0 | 100632.1 | S |
| 91.892 | 0.0000 | 0.0000 | 86.169 | 0.12890 | 0.00000 | 316523.1 | 186771.9 | 100632.1 | S |
| 91.900 | 0.0000 | 0.0000 | 86.169 | 0.12888 | 0.00000 | 316523.1 | 186775.8 | 100632.1 | S |
| 91.908 | 0.0000 | 0.0000 | 86.169 | 0.12886 | 0.00000 | 316523.1 | 186779.6 | 100632.1 | S |
| 91.917 | 0.0000 | 0.0000 | 86.169 | 0.12885 | 0.00000 | 316523.1 | 186783.5 | 100632.1 | S |
| 91.925 | 0.0000 | 0.0000 | 86.168 | 0.12883 | 0.00000 | 316523.1 | 186787.4 | 100632.1 | S |
| 91.933 | 0.0000 | 0.0000 | 86.168 | 0.12882 | 0.00000 | 316523.1 | 186791.2 | 100632.1 | S |
| 91.942 | 0.0000 | 0.0000 | 86.168 | 0.12880 | 0.00000 | 316523.1 | 186795.1 | 100632.7 | S |
| 91.950 | 0.0000 | 0.0000 | 86.168 | 0.12879 | 0.00000 | 316523.1 | 186799.0 | 100632.1 | S |
| 91.958 | 0.0000 | 0.0000 | 86.167 | 0.12877 | 0.00000 | 316523.1 | 186802.8 | 100632.1 | S |
| 91.967 | 0.0000 | 0.0000 | 86.167 | 0.12875 | 0.00000 | 316523.1 | 186806.7 | 100632.1 | S |
| 91.975 | 0.0000 | 0.0000 | 86.167 | 0.12874 | 0.00000 | 316523.1 | 186810.5 | 100632.1 | S |
| 91.983 | 0.0000 | 0.0000 | 86.167 | 0.12872 | 0.00000 | 316523.1 | 186814.4 | 100632.1 | S |
| 91.992 | 0.0000 | 0.0000 | 86.167 | 0.12871 | 0.00000 | 316523.1 | 186818.3 | 100632.1 | S |
| 92.000 | 0.0000 | 0.0000 | 86.166 | 0.12869 | 0.00000 | 316523.1 | 186822.1 | 100632.1 | S |
| 92.008 | 0.0000 | 0.0000 | 86.166 | 0.12868 | 0.00000 | 316523.1 | 186826.0 | 100632.1 | S |
| 92.017 | 0.0000 | 0.0000 | 86.166 | 0.12866 | 0.00000 | 316523.1 | 186829.9 | 100632.1 | S |
| 92.025 | 0.0000 | 0.0000 | 86.166 | 0.12864 | 0.00000 | 316523.1 | 186833.7 | 100632.1 | S |
| 92.033 | 0.0000 | 0.0000 | 86.165 | 0.12863 | 0.00000 | 316523.1 | 186837.6 | 100632.1 | S |
| 92.042 | 0.0000 | 0.0000 | 86.165 | 0.12861 | 0.00000 | 316523.1 | 186841.4 | 100632.1 | S |
| 92.050 | 0.0000 | 0.0000 | 86.165 | 0.12860 | 0.00000 | 316523.1 | 186845.3 | 100632.1 | S |
| 92.058 | 0.0000 | 0.0000 | 86.165 | 0.12858 | 0.00000 | 316523.1 | 186849.2 | 100632.1 | S |
| 92.067 | 0.0000 | 0.0000 | 86.165 | 0.12857 | 0.00000 | 316523.1 | 186853.0 | 100632.1 | S |
| 92.075 | 0.0000 | 0.0000 | 86.164 | 0.12855 | 0.00000 | 316523.1 | 186856.9 | 100632.1 | S |
| 92.083 | 0.0000 | 0.0000 | 86.164 | 0.12854 | 0.00000 | 316523.1 | 186860.7 | 100632.1 | S |
| 92.092 | 0.0000 | 0.0000 | 86.164 | 0.12852 | 0.00000 | 316523.1 | 186864.6 | 100632.1 | S |
| 92.100 | 0.0000 | 0.0000 | 86.164 | 0.12850 | 0.00000 | 316523.1 | 186868.4 | 100632.1 | S |
| 92.108 | 0.0000 | 0.0000 | 86.163 | 0.12849 | 0.00000 | 316523.1 | 186872.3 | 100632.1 | S |
| 92.117 | 0.0000 | 0.0000 | 86.163 | 0.12847 | 0.00000 | 316523.1 | 186876.1 | 100632.1 | S |
| 92.125 | 0.0000 | 0.0000 | 86.163 | 0.12846 | 0.00000 | 316523.1 | 186880.0 | 100632.1 | S |
| 92.133 | 0.0000 | 0.0000 | 86.163 | 0.12844 | 0.00000 | 316523.1 | 186883.8 | 100632.1 | S |
| 92.142 | 0.0000 | 0.0000 | 86.162 | 0.12843 | 0.00000 | 316523.1 | 186887.7 | 100632.1 | S |
| 92.150 | 0.0000 | 0.0000 | 86.162 | 0.12841 | 0.00000 | 316523.1 | 186891.6 | 100632.1 | S |
| 92.158 | 0.0000 | 0.0000 | 86.162 | 0.12840 | 0.00000 | 316523.1 | 186895.4 | 100632.1 | S |
| 92.167 | 0.0000 | 0.0000 | 86.162 | 0.12838 | 0.00000 | 316523.1 | 186899.3 | 100632.1 | S |
| 92.175 | 0.0000 | 0.0000 | 86.162 | 0.12836 | 0.00000 | 316523.1 | $\dagger 86903.1$ | 100632.1 | S |
| 92.183 | 0.0000 | 0.0000 | 86.161 | 0.12835 | 0.00000 | 316523.1 | 186907.0 | 100632.1 | S |
| 92.192 | 0.0000 | 0.0000 | 86.161 | 0.12833 | 0.00000 | 316523.1 | 186910.8 | 100632.1 | S |
| 92.200 | 0.0000 | 0.0000 | 86.161 | 0.12832 | 0.00000 | 316523.1 | 186914.7 | 100632.1 | S |
| 92.208 | 0.0000 | 0.0000 | 86.161 | 0.12830 | 0.00000 | 316523.1 | 186918.5 | 100632.1 | S |
| 92.217 | 0.0000 | 0.0000 | 86.160 | 0.12829 | 0.00000 | 316523.1 | 186922.4 | 100632.1 | S |
| 92.225 | 0.0000 | 0.0000 | 86.160 | 0.12827 | 0.00000 | 376523.1 | 186926.2 | 100632.1 | S |
| 92.233 | 0.0000 | 0.0000 | 86.160 | 0.12826 | 0.00000 | 316523.1 | 186930.1 | 100632.1 | S |
| 92.242 | 0.0000 | 0.0000 | 86.160 | 0.12824 | 0.00000 | 316523.1 | 186933.9 | 100632.1 | S |
| 92.250 | 0.0000 | 0.0000 | 86.160 | 0.12822 | 0.00000 | 316523.1 | 186937.8 | 100632.1 | S |
| 92.258 | 0.0000 | 0.0000 | 86.159 | 0.12821 | 0.00000 | 316523.1 | $\ddagger 86941.6$ | 100632.1 | S |
| 92.267 | 0.0000 | 0.0000 | 86.159 | 0.12819 | 0.00000 | 316523.1 | 186945.4 | 100632.1 | S |
| 92.275 | 0.0000 | 0.0000 | 86.159 | 0.12818 | 0.00000 | 316523.1 | 186949.3 | 100632.1 | S |
| 92.283 | 0.0000 | 0.0000 | 86.159 | 0.12816 | 0.00000 | 316523.1 | 186953.1 | 100632.1 | S |
| 92.292 | 0.0000 | 0.0000 | 86.158 | 0.12815 | 0.00000 | 316523.1 | 186957.0 | 100632.1 | S |
| 92.300 | 0.0000 | 0.0000 | 86.158 | 0.12813 | 0.00000 | 316523.1 | 186960.8 | 100632.1 | S |
| 92.308 | 0.0000 | 0.0000 | 86.158 | 0.12812 | 0.00000 | 316523.1 | 186964.7 | 100632.8 | S |
| 92.317 | 0.0000 | 0.0000 | 86.158 | 0.12810 | 0.00000 | 316523.1 | 186968.5 | 100632.1 | S |
| 92.325 | 0.0000 | 0.0000 | 86.157 | 0.12808 | 0.00000 | 316523.1 | 186972.4 | 100632.1 | S |
| 92.333 | 0.0000 | 0.0000 | 86.157 | 0.12807 | 0.00000 | 316523.1 | 186976.2 | 100632.1 | S |
| 92.342 | 0.0000 | 0.0000 | 86.157 | 0.12805 | 0.00000 | 316523.1 | 186980.0 | 100632.1 | S |
| 92.350 | 0.0000 | 0.0000 | 86.157 | 0.12804 | 0.00000 | 316523.1 | 186983.9 | 100632.1 | S |
| 92.358 | 0.0000 | 0.0000 | 86.157 | 0.12802 | 0.00000 | 316523.1 | 186987.7 | 100632.1 | S |
| 92.367 | 0.0000 | 0.0000 | 86.156 | 0.12801 | 0.00000 | 316523.1 | 186991.6 | 100632.1 | S |
| 92.375 | 0.0000 | 0.0000 | 86.156 | 0.12799 | 0.00000 | 316523.1 | 186995.4 | 100632.1 | S |
| 92.383 | 0.0000 | 0.0000 | 86.156 | 0.12798 | 0.00000 | 316523.1 | 186999.2 | 100632.1 | S |
| 92.392 | 0.0000 | 0.0000 | 86.156 | 0.12796 | 0.00000 | 316523.1 | 187003.1 | 100632.1 | S |
| 92.400 | 0.0000 | 0.0000 | 86.155 | 0.12794 | 0.00000 | 316523.1 | 187006.9 | 100632.1 | S |
| 92.408 | 0.0000 | 0.0000 | 86.155 | 0.12793 | 0.00000 | 316523.1 | 187010.8 | 100632.1 | S |
| 92.417 | 0.0000 | 0.0000 | 86.155 | 0.12791 | 0.00000 | 316523.1 | 187014.6 | 100632.1 | S |
| 92.425 | 0.0000 | 0.0000 | 86.155 | 0.12790 | 0.00000 | 316523.1 | 187018.4 | 100632.1 | S |
| 92.433 | 0.0000 | 0.0000 | 86.155 | 0.12788 | 0.00000 | 316523.1 | 187022.3 | 100632.1 | S |
| 92.442 | 0.0000 | 0.0000 | 86.154 | 0.12787 | 0.00000 | 316523.1 | 187026.1 | 100632.1 | S |
| 92.450 | 0.0000 | 0.0000 | 86.154 | 0.12785 | 0.00000 | 316523.1 | 187029.9 | 100632.1 | S |
| 92.458 | 0.0000 | 0.0000 | 86.154 | 0.12784 | 0.00000 | 316523.1 | 187033.8 | 100632.1 | S |
| 92.467 | 0.0000 | 0.0000 | 86.154 | 0.12782 | 0.00000 | 316523.1 | 187037.6 | 100632.1 | S |
| 92.475 | 0.0000 | 0.0000 | 86.153 | 0.12781 | 0.00000 | 316523.1 | 187041.4 | 100632.1 | S |
| 92.483 | 0.0000 | 0.0000 | 86.153 | 0.12779 | 0.00000 | 316523.1 | 187045.3 | 100632.1 | S |
| 92.492 | 0.0000 | 0.0000 | 86.153 | 0.12777 | 0.00000 | 316523.1 | 187049.1 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / 3} \mathrm{~s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infilitration Rate ( $\mathrm{ft}^{3 / 3} \mathrm{~s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 92.500 | 0.0000 | 0.0000 | 86.153 | 0.12776 | 0.00000 | 316523.1 | 187052.9 | 100632.1 | S |
| 92.508 | 0.0000 | 0.0000 | 86.152 | 0.12774 | 0.00000 | 316523.1 | 187056.8 | 100632.1 | S |
| 92.517 | 0.0000 | 0.0000 | 86.152 | 0.12773 | 0.00000 | 316523.1 | 187060.6 | 100632.1 | S |
| 92.525 | 0.0000 | 0.0000 | 86.152 | 0.12771 | 0.00000 | 316523.1 | 187064.4 | 100632.1 | S |
| 92.533 | 0.0000 | 0.0000 | 86.152 | 0.12770 | 0.00000 | 316523.1 | 187068.3 | 100632.1 | 5 |
| 92.542 | 0.0000 | 0.0000 | 86.152 | 0.12768 | 0.00000 | 316523.1 | 187072.1 | 100632.1 | S |
| 92.550 | 0.0000 | 0.0000 | 86.151 | 0.12767 | 0.00000 | 316523.1 | 187075.9 | 100632.1 | S |
| 92.558 | 0.0000 | 0.0000 | 86.151 | 0.12765 | 0.00000 | 316523.1 | 187079.8 | 100632.1 | S |
| 92.567 | 0.0000 | 0.0000 | 86.151 | 0.12764 | 0.00000 | 316523.1 | 187083.6 | 100632.1 | S |
| 92.575 | 0.0000 | 0.0000 | 86.151 | 0.12762 | 0.00000 | 316523.1 | 187087.4 | 700632.1 | S |
| 92.583 | 0.0000 | 0.0000 | 86.150 | 0.12760 | 0.00000 | 316523.1 | 187091.3 | 100632.1 | S |
| 92.592 | 0.0000 | 0.0000 | 86.150 | 0.12759 | 0.00000 | 316523.1 | 187095.1 | 100632.1 | S |
| 92.600 | 0.0000 | 0.0000 | 86.150 | 0.12757 | 0.00000 | 316523.1 | 187098.9 | 100632.1 | S |
| 92.608 | 0.0000 | 0.0000 | 86.150 | 0.12756 | 0.00000 | 316523.1 | 187102.7 | 100632.1 | S |
| 92.617 | 0.0000 | 0.0000 | 86.150 | 0.12754 | 0.00000 | 316523.1 | 187106.6 | 100632.1 | S |
| 92.625 | 0.0000 | 0.0000 | 86.149 | 0.12753 | 0.00000 | 316523.1 | 187110.4 | 100632.1 | S |
| 92.633 | 0.0000 | 0.0000 | 86.149 | 0.12751 | 0.00000 | 316523.1 | 187114.2 | 100632.1 | S |
| 92.642 | 0.0000 | 0.0000 | 86.149 | 0.12750 | 0.00000 | 316523.1 | 187118.0 | 100632.1 | S |
| 92.650 | 0.0000 | 0.0000 | 86.149 | 0.12748 | 0.00000 | 316523.1 | 187121.9 | 100632.1 | S |
| 92.658 | 0.0000 | 0.0000 | 86.148 | 0.12747 | 0.00000 | 316523.1 | 187125.7 | 100632.1 | S |
| 92.667 | 0.0000 | 0.0000 | 86.148 | 0.12745 | 0.00000 | 316523.1 | 187129.5 | 100632.1 | S |
| 92.675 | 0.0000 | 0.0000 | 86.148 | 0.12743 | 0.00000 | 316523.1 | 187133.3 | 100632.1 | S |
| 92.683 | 0.0000 | 0.0000 | 86.148 | 0.12742 | 0.00000 | 316523.1 | 187137.2 | 100632.1 | S |
| 92.692 | 0.0000 | 0.0000 | 86.147 | 0.12740 | 0.00000 | 316523.1 | 187141.0 | 100632.1 | S |
| 92.700 | 0.0000 | 0.0000 | 86.147 | 0.12739 | 0.00000 | 316523.1 | 187144.8 | 100632.1 | S |
| 92.708 | 0.0000 | 0.0000 | 86.147 | 0.12737 | 0.00000 | 316523.1 | 187148.6 | 100632.1 | S |
| 92.717 | 0.0000 | 0.0000 | 86.147 | 0.12736 | 0.00000 | 316523.1 | 187152.4 | 100632.1 | S |
| 92.725 | 0.0000 | 0.0000 | 86.147 | 0.12734 | 0.00000 | 316523.1 | 187156.3 | 100632.1 | S |
| 92.733 | 0.0000 | 0.0000 | 86.146 | 0.12733 | 0.00000 | 316523.1 | 187160.1 | 100632.1 | S |
| 92.742 | 0.0000 | 0.0000 | 86.146 | 0.12731 | 0.00000 | 316523.1 | 187163.9 | 100632.1 | S |
| 92.750 | 0.0000 | 0.0000 | 86.146 | 0.12730 | 0.00000 | 316523.1 | 187167.7 | 100632.1 | S |
| 92.758 | 0.0000 | 0.0000 | 86.146 | 0.12728 | 0.00000 | 316523.1 | 187171.5 | 100632.1 | S |
| 92.767 | 0.0000 | 0.0000 | 86.145 | 0.12727 | 0.00000 | 316523.1 | 187175.4 | 100632.1 | S |
| 92.775 | 0.0000 | 0.0000 | 86.145 | 0.12725 | 0.00000 | 316523.1 | 187179.2 | 100632.1 | S |
| 92.783 | 0.0000 | 0.0000 | 86.145 | 0.12723 | 0.00000 | 316523.1 | 187183.0 | 100632.1 | S |
| 92.792 | 0.0000 | 0.0000 | 86.145 | 0.12722 | 0.00000 | 316523.1 | 187186.8 | 100632.1 | S |
| 92.800 | 0.0000 | 0.0000 | 86.145 | 0.12720 | 0.00000 | 316523.1 | 187190.6 | 100632.1 | S |
| 92.808 | 0.0000 | 0.0000 | 86.144 | 0.12719 | 0.00000 | 316523.1 | 187194.4 | 100632.1 | S |
| 92.817 | 0.0000 | 0.0000 | 86.144 | 0.12717 | 0.00000 | 316523.1 | 187198.3 | 100632.1 | S |
| 92.825 | 0.0000 | 0.0000 | 86.144 | 0.12716 | 0.00000 | 316523.1 | 187202.1 | 100632.1 | S |
| 92.833 | 0.0000 | 0.0000 | 86.144 | 0.12714 | 0.00000 | 316523.1 | 187205.9 | 100632.1 | S |
| 92.842 | 0.0000 | 0.0000 | 86.143 | 0.12713 | 0.00000 | 316523.1 | 187209.7 | 100632.1 | S |
| 92.850 | 0.0000 | 0.0000 | 86.143 | 0.12711 | 0.00000 | 316523.1 | 187213.5 | 100632.1 | S |
| 92.858 | 0.0000 | 0.0000 | 86.143 | 0.12710 | 0.00000 | 316523.1 | 187217.3 | 100632.1 | S |
| 92.867 | 0.0000 | 0.0000 | 86.143 | 0.12708 | 0.00000 | 316523.1 | 187221.1 | 100632.1 | S |
| 92.875 | 0.0000 | 0.0000 | 86.142 | 0.12707 | 0.00000 | 316523.1 | 187225.0 | 100632.1 | S |
| 92.883 | 0.0000 | 0.0000 | 86.142 | 0.12705 | 0.00000 | 316523.1 | 187228.8 | 100632.1 | S |
| 92.892 | 0.0000 | 0.0000 | 86.142 | 0.12704 | 0.00000 | 316523.1 | 187232.6 | 100632.1 | S |
| 92.900 | 0.0000 | 0.0000 | 86.142 | 0.12702 | 0.00000 | 316523.1 | 187236.4 | 100632.1 | S |
| 92.908 | 0.0000 | 0.0000 | 86.142 | 0.12700 | 0.00000 | 316523.1 | 187240.2 | 100632.1 | S |
| 92.917 | 0.0000 | 0.0000 | 86.141 | 0.12699 | 0.00000 | 316523.1 | 187244.0 | 100632.1 | S |
| 92.925 | 0.0000 | 0.0000 | 86.141 | 0.12697 | 0.00000 | 316523.1 | 187247.8 | 100632.1 | S |
| 92.933 | 0.0000 | 0.0000 | 86.141 | 0.12696 | 0.00000 | 316523.1 | 187251.6 | 100632.1 | S |
| 92.942 | 0.0000 | 0.0000 | 86.141 | 0.12694 | 0.00000 | 316523.1 | 187255.4 | 100632.1 | S |
| 92.950 | 0.0000 | 0.0000 | 86.140 | 0.12693 | 0.00000 | 316523.1 | 187259.2 | 100632.1 | S |
| 92.958 | 0.0000 | 0.0000 | 86.140 | 0.12691 | 0.00000 | 316523.1 | 187263.0 | 100632.1 | S |
| 92.967 | 0.0000 | 0.0000 | 86.140 | 0.12690 | 0.00000 | 316523.1 | 187266.9 | 100632.1 | S |
| 92.975 | 0.0000 | 0.0000 | 86.140 | 0.12688 | 0.00000 | 316523.1 | 187270.7 | 100632.1 | S |
| 92.983 | 0.0000 | 0.0000 | 86.140 | 0.12687 | 0.00000 | 316523.1 | 187274.5 | 100632.1 | S |
| 92.992 | 0.0000 | 0.0000 | 86.139 | 0.12685 | 0.00000 | 316523.1 | 187278.3 | 100632.1 | S |
| 93.000 | 0.0000 | 0.0000 | 86.139 | 0.12684 | 0.00000 | 316523.1 | 187282.1 | 100632.1 | S |
| 93.008 | 0.0000 | 0.0000 | 86.139 | 0.12682 | 0.00000 | 316523.1 | 187285.9 | 100632.1 | S |
| 93.017 | 0.0000 | 0.0000 | 86.139 | 0.12681 | 0.00000 | 316523.1 | 187289.7 | 100632.1 | S |
| 93.025 | 0.0000 | 0.0000 | 86.138 | 0.12679 | 0.00000 | 316523.1 | 187293.5 | 100632.1 | S |
| 93.033 | 0.0000 | 0.0000 | 86.738 | 0.12677 | 0.00000 | 316523.1 | 187297.3 | 100632.1 | S |
| 93.042 | 0.0000 | 0.0000 | 86.138 | 0.12676 | 0.00000 | 316523.1 | 187301.1 | 100632.1 | S |
| 93.050 | 0.0000 | 0.0000 | 86.138 | 0.12674 | 0.00000 | 316523.1 | 187304.9 | 100632.1 | S |
| 93.058 | 0.0000 | 0.0000 | 86.138 | 0.12673 | 0.00000 | 316523.1 | 187308.7 | 100632.1 | S |
| 93.067 | 0.0000 | 0.0000 | 86.137 | 0.12671 | 0.00000 | 316523.1 | 187312.5 | 100632.1 | S |
| 93.075 | 0.0000 | 0.0000 | 86.137 | 0.12670 | 0.00000 | 316523.1 | 187316.3 | 100632.1 | S |
| 93.083 | 0.0000 | 0.0000 | 86.137 | 0.12668 | 0.00000 | 316523.1 | 187320.1 | 100632.1 | S |
| 93.092 | 0.0000 | 0.0000 | 86.137 | 0.12667 | 0.00000 | 316523.1 | 187323.9 | 100632.1 | S |
| 93.100 | 0.0000 | 0.0000 | 86.136 | 0.12665 | 0.00000 | 316523.1 | 187327.7 | 100632.1 | S |
| 93.108 | 0.0000 | 0.0000 | 86.136 | 0.12664 | 0.00000 | 316523.1 | 187331.5 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate (ft3/s) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overtiow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | $\begin{aligned} & \text { Cumulative } \\ & \text { Inflow } \\ & \text { Volume }\left(\mathrm{ft}^{3}\right) \end{aligned}$ | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 93.117 | 0.0000 | 0.0000 | 86.136 | 0.12662 | 0.00000 | 316523.1 | 187335.3 | 100632.1 | S |
| 93.125 | 0.0000 | 0.0000 | 86.136 | 0.12661 | 0.00000 | 316523.1 | 187339.1 | 100632.1 | S |
| 93.133 | 0.0000 | 0.0000 | 86.135 | 0.12659 | 0.00000 | 316523.1 | 187342.9 | 100632.1 | S |
| 93.142 | 0.0000 | 0.0000 | 86.135 | 0.12658 | 0.00000 | 316523.1 | 187346.7 | 100632.1 | S |
| 93.150 | 0.0000 | 0.0000 | 86.135 | 0.12656 | 0.00000 | 316523.1 | 187350.5 | 100632.1 | S |
| 93.158 | 0.0000 | 0.0000 | 86.135 | 0.12655 | 0.00000 | 316523.1 | 187354.3 | 100632.1 | S |
| 93.167 | 0.0000 | 0.0000 | 86.135 | 0.12653 | 0.00000 | 316523.1 | 187358.1 | 100632.1 | S |
| 93.175 | 0.0000 | 0.0000 | 86.134 | 0.12652 | 0.00000 | 316523.1 | 187361.9 | 100632.1 | S |
| 93.183 | 0.0000 | 0.0000 | 86.134 | 0.12650 | 0.00000 | 316523.1 | 187365.7 | 100632.1 | S |
| 93.192 | 0.0000 | 0.0000 | 86.134 | 0.12648 | 0.00000 | 316523.1 | 187369.5 | 100632.1 | S |
| 93.200 | 0.0000 | 0.0000 | 86.134 | 0.12647 | 0.00000 | 316523.1 | 187373.3 | 100632.1 | S |
| 93.208 | 0.0000 | 0.0000 | 86.133 | 0.12645 | 0.00000 | 316523.1 | 187377.1 | 100632.1 | S |
| 93.217 | 0.0000 | 0.0000 | 86.133 | 0.12644 | 0.00000 | 316523.1 | 187380.9 | 100632.1 | S |
| 93.225 | 0.0000 | 0.0000 | 86.133 | 0.12642 | 0.00000 | 316523.1 | 187384.6 | 100632.1 | S |
| 93.233 | 0.0000 | 0.0000 | 86.133 | 0.12641 | 0.00000 | 316523.1 | 187388.4 | 100632.1 | S |
| 93.242 | 0.0000 | 0.0000 | 86.133 | 0.12639 | 0.00000 | 316523.1 | 187392.2 | 100632.1 | S |
| 93.250 | 0.0000 | 0.0000 | 86.132 | 0.12638 | 0.00000 | 316523.1 | 187396.0 | 100632.1 | S |
| 93.258 | 0.0000 | 0.0000 | 86.132 | 0.12636 | 0.00000 | 316523.1 | 187399.8 | 100632.1 | S |
| 93.267 | 0.0000 | 0.0000 | 86.132 | 0.12635 | 0.00000 | 316523.1 | 187403.6 | 100632.1 | S |
| 93.275 | 0.0000 | 0.0000 | 86.132 | 0.12633 | 0.00000 | 316523.1 | 187407.4 | 100632.1 | S |
| 93.283 | 0.0000 | 0.0000 | 86.131 | 0.12632 | 0.00000 | 316523.1 | 187411.2 | 100632.1 | S |
| 93.292 | 0.0000 | 0.0000 | 86.131 | 0.12630 | 0.00000 | 316523.1 | 187415.0 | 100632.1 | S |
| 93.300 | 0.0000 | 0.0000 | 86.131 | 0.12629 | 0.00000 | 316523.1 | 187418.8 | 100632.1 | S |
| 93.308 | 0.0000 | 0.0000 | 86.131 | 0.12627 | 0.00000 | 316523.1 | 187422.5 | 100632.1 | S |
| 93.317 | 0.0000 | 0.0000 | 86.131 | 0.12626 | 0.00000 | 316523.1 | 187426.3 | 100632.1 | S |
| 93.325 | 0.0000 | 0.0000 | 86.130 | 0.12624 | 0.00000 | 316523.1 | 187430.1 | 100632.1 | S |
| 93.333 | 0.0000 | 0.0000 | 86.130 | 0.12623 | 0.00000 | 316523.1 | 187433.9 | 100632.1 | S |
| 93.342 | 0.0000 | 0.0000 | 86.130 | 0.12621 | 0.00000 | 316523.1 | 187437.7 | 100632.1 | S |
| 93.350 | 0.0000 | 0.0000 | 86.130 | 0.12620 | 0.00000 | 316523.1 | 187441.5 | 100632.1 | S |
| 93.358 | 0.0000 | 0.0000 | 86.129 | 0.12618 | 0.00000 | 316523.1 | 187445.3 | 100632.1 | S |
| 93.367 | 0.0000 | 0.0000 | 86.129 | 0.12617 | 0.00000 | 316523.1 | 187449.1 | 100632.1 | S |
| 93.375 | 0.0000 | 0.0000 | 86.129 | 0.12615 | 0.00000 | 316523.1 | 187452.8 | 100632.1 | S |
| 93.383 | 0.0000 | 0.0000 | 86.129 | 0.12614 | 0.00000 | 316523.1 | 187456.6 | 100632.1 | S |
| 93.392 | 0.0000 | 0.0000 | 86.128 | 0.12612 | 0.00000 | 316523.1 | 187460.4 | 100632.1 | S |
| 93.400 | 0.0000 | 0.0000 | 86.128 | 0.12611 | 0.00000 | 316523.1 | 187464.2 | 100632.1 | S |
| 93.408 | 0.0000 | 0.0000 | 86.128 | 0.12609 | 0.00000 | 316523.1 | 187468.0 | 100632.1 | S |
| 93.417 | 0.0000 | 0.0000 | 86.128 | 0.12607 | 0.00000 | 316523.1 | 187471.8 | 100632.1 | S |
| 93.425 | 0.0000 | 0.0000 | 86.128 | 0.12606 | 0.00000 | 316523.1 | 187475.5 | 100632.1 | S |
| 93.433 | 0.0000 | 0.0000 | 86.127 | 0.12604 | 0.00000 | 316523.1 | 187479.3 | 100632.1 | S |
| 93.442 | 0.0000 | 0.0000 | 86.127 | 0.12603 | 0.00000 | 316523.1 | 187483.1 | 100632.1 | S |
| 93.450 | 0.0000 | 0.0000 | 86.127 | 0.12601 | 0.00000 | 316523.1 | 187486.9 | 100632.1 | S |
| 93.458 | 0.0000 | 0.0000 | 86.127 | 0.12600 | 0.00000 | 316523.1 | 187490.7 | 100632.1 | S |
| 93.467 | 0.0000 | 0.0000 | 86.126 | 0.12598 | 0.00000 | 316523.1 | 187494.4 | 100632.1 | S |
| 93.475 | 0.0000 | 0.0000 | 86.126 | 0.12597 | 0.00000 | 316523.1 | 187498.2 | 100632.1 | S |
| 93.483 | 0.0000 | 0.0000 | 86.126 | 0.12595 | 0.00000 | 316523.1 | 187502.0 | 100632.1 | S |
| 93.492 | 0.0000 | 0.0000 | 86.126 | 0.12594 | 0.00000 | 316523.1 | 187505.8 | 100632.1 | S |
| 93.500 | 0.0000 | 0.0000 | 86.126 | 0.12592 | 0.00000 | 316523.1 | 187509.6 | 100632.1 | S |
| 93.508 | 0.0000 | 0.0000 | 86.125 | 0.12591 | 0.00000 | 316523.1 | 187513.3 | 100632.1 | S |
| 93.517 | 0.0000 | 0.0000 | 86.125 | 0.12589 | 0.00000 | 316523.1 | 187517.1 | 100632.1 | S |
| 93.525 | 0.0000 | 0.0000 | 86.125 | 0.12588 | 0.00000 | 316523.1 | 187520.9 | 100632.1 | S |
| 93.533 | 0.0000 | 0.0000 | 86.125 | 0.12586 | 0.00000 | 316523.1 | 187524.7 | 100632.1 | S |
| 93.542 | 0.0000 | 0.0000 | 86.124 | 0.12585 | 0.00000 | 316523.1 | 187528.4 | 100632.1 | S |
| 93.550 | 0.0000 | 0.0000 | 86.124 | 0.12583 | 0.00000 | 316523.1 | 187532.2 | 100632.1 | S |
| 93.558 | 0.0000 | 0.0000 | 86.124 | 0.12582 | 0.00000 | 316523.1 | 187536.0 | 100632.1 | S |
| 93.567 | 0.0000 | 0.0000 | 86.124 | 0.12580 | 0.00000 | 316523.1 | 187539.8 | 100632.1 | S |
| 93.575 | 0.0000 | 0.0000 | 86.124 | 0.12579 | 0.00000 | 316523.1 | 187543.5 | 100632.1 | S |
| 93.583 | 0.0000 | 0.0000 | 86.123 | 0.12577 | 0.00000 | 316523.1 | 187547.3 | 100632.1 | S |
| 93.592 | 0.0000 | 0.0000 | 86.123 | 0.12576 | 0.00000 | 316523.1 | 187551.1 | 100632.1 | S |
| 93.600 | 0.0000 | 0.0000 | 86.123 | 0.12574 | 0.00000 | 316523.1 | 187554.9 | 100632.1 | S |
| 93.608 | 0.0000 | 0.0000 | 86.123 | 0.12573 | 0.00000 | 316523.1 | 187558.6 | 100632.1 | S |
| 93.617 | 0.0000 | 0.0000 | 86.122 | 0.12571 | 0.00000 | 316523.1 | 187562.4 | 100632.1 | S |
| 93.625 | 0.0000 | 0.0000 | 86.122 | 0.12570 | 0.00000 | 316523.1 | 187566.2 | 100632.1 | S |
| 93.633 | 0.0000 | 0.0000 | 86.122 | 0.12568 | 0.00000 | 316523.1 | 187569.9 | 100632.1 | S |
| 93.642 | 0.0000 | 0.0000 | 86.122 | 0.12567 | 0.00000 | 316523.1 | 187573.7 | 100632.1 | S |
| 93.650 | 0.0000 | 0.0000 | 86.122 | 0.12565 | 0.00000 | 316523.1 | 187577.5 | 100632.1 | S |
| 93.658 | 0.0000 | 0.0000 | 86.121 | 0.12564 | 0.00000 | 316523.1 | 187581.3 | 100632.1 | S |
| 93.667 | 0.0000 | 0.0000 | 86.121 | 0.12562 | 0.00000 | 316523.1 | 187585.0 | 100632.1 | S |
| 93.675 | 0.0000 | 0.0000 | 86.121 | 0.12561 | 0.00000 | 316523.1 | 187588.8 | 100632.1 | S |
| 93.683 | 0.0000 | 0.0000 | 86.121 | 0.12559 | 0.00000 | 316523.1 | 187592.6 | 100632.1 | S |
| 93.692 | 0.0000 | 0.0000 | 86.120 | 0.12558 | 0.00000 | 316523.1 | 187596.3 | 100632.1 | S |
| 93.700 | 0.0000 | 0.0000 | 86.120 | 0.12556 | 0.00000 | 316523.1 | 187600.1 | 100632.1 | S |
| 93.708 | 0.0000 | 0.0000 | 86.120 | 0.12555 | 0.00000 | 316523.1 | 187603.9 | 100632.1 | S |
| 93.717 | 0.0000 | 0.0000 | 86.120 | 0.12553 | 0.00000 | 316523.1 | 187607.6 | 100632.1 | S |
| 93.725 | 0.0000 | 0.0000 | 86.119 | 0.12552 | 0.00000 | 316523.1 | 187611.4 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (fl datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overlow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume (fis) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 93.733 | 0.0000 | 0.0000 | 86.119 | 0.12550 | 0.00000 | 316523.1 | 187615.2 | 100632.1 | S |
| 93.742 | 0.0000 | 0.0000 | 86.119 | 0.12549 | 0.00000 | 316523.1 | 187618.9 | 100632.1 | S |
| 93.750 | 0.0000 | 0.0000 | 86.119 | 0.12547 | 0.00000 | 316523.1 | 187622.7 | 100632.1 | S |
| 93.758 | 0.0000 | 0.0000 | 86.119 | 0.12546 | 0.00000 | 316523.1 | 187626.5 | 100632.1 | S |
| 93.767 | 0.0000 | 0.0000 | 86.118 | 0.12544 | 0.00000 | 316523.1 | 187630.2 | 100632.1 | S |
| 93.775 | 0.0000 | 0.0000 | 86.118 | 0.12543 | 0.00000 | 316523.1 | 187634.0 | 100632.1 | S |
| 93.783 | 0.0000 | 0.0000 | 86.118 | 0.12541 | 0.00000 | 316523.1 | 187637.7 | 100632.1 | S |
| 93.792 | 0.0000 | 0.0000 | 86.118 | 0.12540 | 0.00000 | 316523.1 | 187641.5 | 100632.1 | S |
| 93.800 | 0.0000 | 0.0000 | 86.117 | 0.12538 | 0.00000 | 316523.1 | 187645.3 | 100632.1 | S |
| 93.808 | 0.0000 | 0.0000 | 86.117 | 0.12537 | 0.00000 | 316523.1 | 187649.0 | 100632.1 | S |
| 93.817 | 0.0000 | 0.0000 | 86.117 | 0.12535 | 0.00000 | 316523.1 | 187652.8 | 100632.1 | S |
| 93.825 | 0.0000 | 0.0000 | 86.117 | 0.12534 | 0.00000 | 316523.1 | 187656.5 | 100632.1 | S |
| 93.833 | 0.0000 | 0.0000 | 86.117 | 0.12532 | 0.00000 | 316523.1 | 187660.3 | 100632.1 | S |
| 93.842 | 0.0000 | 0.0000 | 86.116 | 0.12531 | 0.00000 | 316523.1 | 187664.1 | 100632.1 | S |
| 93.850 | 0.0000 | 0.0000 | 86.116 | 0.12529 | 0.00000 | 316523.1 | 187667.8 | 100632.1 | S |
| 93.858 | 0.0000 | 0.0000 | 86.116 | 0.12528 | 0.00000 | 316523.1 | 187671.6 | 100632.1 | S |
| 93.867 | 0.0000 | 0.0000 | 86.116 | 0.12526 | 0.00000 | 316523.1 | 187675.3 | 100632.1 | S |
| 93.875 | 0.0000 | 0.0000 | 86.115 | 0.12525 | 0.00000 | 316523.1 | 187679.1 | 100632.1 | S |
| 93.883 | 0.0000 | 0.0000 | 86.115 | 0.12523 | 0.00000 | 316523.1 | 187682.9 | 100632.1 | S |
| 93.892 | 0.0000 | 0.0000 | 86.115 | 0.12522 | 0.00000 | 316523.1 | 187686.6 | 100632.1 | S |
| 93.900 | 0.0000 | 0.0000 | 86.115 | 0.12520 | 0.00000 | 316523.1 | 187690.4 | 100632.1 | S |
| 93.908 | 0.0000 | 0.0000 | 86.115 | 0.12519 | 0.00000 | 316523.1 | 187694.1 | 100632.1 | S |
| 93.917 | 0.0000 | 0.0000 | 86.114 | 0.12517 | 0.00000 | 316523.1 | 187697.9 | 100632.1 | S |
| 93.925 | 0.0000 | 0.0000 | 86.114 | 0.12516 | 0.00000 | 316523.1 | 187701.6 | 100632.1 | S |
| 93.933 | 0.0000 | 0.0000 | 86.114 | 0.12514 | 0.00000 | 316523.1 | 187705.4 | 100632.1 | S |
| 93.942 | 0.0000 | 0.0000 | 86.114 | 0.12513 | 0.00000 | 316523.1 | 187709.1 | 100632.1 | S |
| 93.950 | 0.0000 | 0.0000 | 86.113 | 0.12511 | 0.00000 | 316523.1 | 187712.9 | 100632.1 | S |
| 93.958 | 0.0000 | 0.0000 | 86.113 | 0.12510 | 0.00000 | 316523.1 | 187716.6 | 100632.1 | S |
| 93.967 | 0.0000 | 0.0000 | 86.113 | 0.12508 | 0.00000 | 316523.1 | 187720.4 | 100632.1 | S |
| 93.975 | 0.0000 | 0.0000 | 86.113 | 0.12507 | 0.00000 | 316523.1 | 187724.2 | 100632.1 | S |
| 93.983 | 0.0000 | 0.0000 | 86.113 | 0.12505 | 0.00000 | 316523.1 | 187727.9 | 100632.1 | S |
| 93.992 | 0.0000 | 0.0000 | 86.112 | 0.12504 | 0.00000 | 316523.1 | 187731.7 | 100632.1 | S |
| 94.000 | 0.0000 | 0.0000 | 86.112 | 0.12502 | 0.00000 | 316523.1 | 187735.4 | 100632.1 | S |
| 94.008 | 0.0000 | 0.0000 | 86.112 | 0.12501 | 0.00000 | 316523.1 | 187739.2 | 100632.1 | S |
| 94.017 | 0.0000 | 0.0000 | 86.112 | 0.12499 | 0.00000 | 316523.1 | 187742.9 | 100632.1 | S |
| 94.025 | 0.0000 | 0.0000 | 86.111 | 0.12498 | 0.00000 | 316523.1 | 187746.7 | 100632.1 | S |
| 94.033 | 0.0000 | 0.0000 | 86.111 | 0.12496 | 0.00000 | 316523.1 | 187750.4 | 100632.1 | S |
| 94.042 | 0.0000 | 0.0000 | 86.111 | 0.12495 | 0.00000 | 316523.1 | 187754.2 | 100632.1 | S |
| 94.050 | 0.0000 | 0.0000 | 86.111 | 0.12493 | 0.00000 | 316523.1 | 187757.9 | 100632.1 | S |
| 94.058 | 0.0000 | 0.0000 | 86.111 | 0.12492 | 0.00000 | 316523.1 | 187761.7 | 100632.1 | S |
| 94.067 | 0.0000 | 0.0000 | 86.110 | 0.12490 | 0.00000 | 316523.1 | 187765.4 | 100632.1 | S |
| 94.075 | 0.0000 | 0.0000 | 86.110 | 0.12489 | 0.00000 | 316523.1 | 187769.1 | 100632.1 | S |
| 94.083 | 0.0000 | 0.0000 | 86.110 | 0.12487 | 0.00000 | 316523.1 | 187772.9 | 100632.1 | S |
| 94.092 | 0.0000 | 0.0000 | 86.110 | 0.12486 | 0.00000 | 316523.1 | 187776.6 | 100632.1 | S |
| 94.100 | 0.0000 | 0.0000 | 86.109 | 0.12484 | 0.00000 | 316523.1 | 187780.4 | 100632.1 | S |
| 94.108 | 0.0000 | 0.0000 | 86.109 | 0.12483 | 0.00000 | 316523.1 | 187784.1 | 100632.1 | S |
| 94.117 | 0.0000 | 0.0000 | 86.109 | 0.12481 | 0.00000 | 316523.1 | 187787.9 | 100632.1 | S |
| 94.125 | 0.0000 | 0.0000 | 86.109 | 0.12480 | 0.00000 | 316523.1 | 187791.6 | 100632.1 | S |
| 94.133 | 0.0000 | 0.0000 | 86.109 | 0.12478 | 0.00000 | 316523.1 | 187795.4 | 100632.1 | S |
| 94.142 | 0.0000 | 0.0000 | 86.108 | 0.12477 | 0.00000 | 316523.1 | 187799.1 | 100632.1 | S |
| 94.150 | 0.0000 | 0.0000 | 86.108 | 0.12475 | 0.00000 | 316523.1 | 187802.8 | 100632.1 | S |
| 94.158 | 0.0000 | 0.0000 | 86.108 | 0.12474 | 0.00000 | 316523.1 | 187806.6 | 100632.1 | S |
| 94.167 | 0.0000 | 0.0000 | 86.108 | 0.12472 | 0.00000 | 316523.1 | 187810.3 | 100632.1 | S |
| 94.175 | 0.0000 | 0.0000 | 86.107 | 0.12471 | 0.00000 | 316523.1 | 187814.1 | 100632.1 | S |
| 94.183 | 0.0000 | 0.0000 | 86.107 | 0.12469 | 0.00000 | 316523.1 | 187817.8 | 100632.1 | S |
| 94.192 | 0.0000 | 0.0000 | 86.107 | 0.12468 | 0.00000 | 316523.1 | 187821.5 | 100632.1 | S |
| 94.200 | 0.0000 | 0.0000 | 86.107 | 0.12466 | 0.00000 | 316523.1 | 187825.3 | 100632.1 | S |
| 94.208 | 0.0000 | 0.0000 | 86.107 | 0.12465 | 0.00000 | 316523.1 | 187829.0 | 100632.1 | S |
| 94.217 | 0.0000 | 0.0000 | 86.106 | 0.12463 | 0.00000 | 316523.1 | 187832.8 | 100632.1 | S |
| 94.225 | 0.0000 | 0.0000 | 86.106 | 0.12462 | 0.00000 | 316523.1 | 187836.5 | 100632.1 | S |
| 94.233 | 0.0000 | 0.0000 | 86.106 | 0.12460 | 0.00000 | 316523.1 | 187840.3 | 100632.1 | S |
| 94.242 | 0.0000 | 0.0000 | 86.106 | 0.12459 | 0.00000 | 316523.1 | 187844.0 | 100632.1 | S |
| 94.250 | 0.0000 | 0.0000 | 86.105 | 0.12457 | 0.00000 | 316523.1 | 187847.7 | 100632.1 | S |
| 94.258 | 0.0000 | 0.0000 | 86.105 | 0.12456 | 0.00000 | 316523.1 | 187851.5 | 100632.1 | S |
| 94.267 | 0.0000 | 0.0000 | 86.105 | 0.12454 | 0.00000 | 316523.1 | 187855.2 | 100632.1 | S |
| 94.275 | 0.0000 | 0.0000 | 86.105 | 0.12453 | 0.00000 | 316523.1 | 187858.9 | 100632.1 | S |
| 94.283 | 0.0000 | 0.0000 | 86.104 | 0.12451 | 0.00000 | 316523.1 | 187862.7 | 100632.1 | S |
| 94.292 | 0.0000 | 0.0000 | 86.104 | 0.12450 | 0.00000 | 376523.1 | 187866.4 | 100632.1 | S |
| 94.300 | 0.0000 | 0.0000 | 86.104 | 0.12448 | 0.00000 | 316523.1 | 187870.1 | 100632.1 | S |
| 94.308 | 0.0000 | 0.0000 | 86.104 | 0.12447 | 0.00000 | 316523.1 | 187873.9 | 100632.1 | S |
| 94.317 | 0.0000 | 0.0000 | 86.104 | 0.12445 | 0.00000 | 316523.1 | 187877.6 | 100632.1 | S |
| 94.325 | 0.0000 | 0.0000 | 86.103 | 0.12444 | 0.00000 | 316523.1 | 187881.3 | 100632.1 | S |
| 94.333 | 0.0000 | 0.0000 | 86.103 | 0.12442 | 0.00000 | 316523.1 | 187885.1 | 100632.1 | S |
| 94.342 | 0.0000 | 0.0000 | 86.103 | 0.12441 | 0.00000 | 316523.1 | 187888.8 | 100632.1 | S |

PONDS Version 3.2.0207

Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate (fts/s) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3 / \mathrm{s})}$ | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 94.350 | 0.0000 | 0.0000 | 86.103 | 0.12439 | 0.00000 | 376523.1 | 187892.5 | 100632.1 | S |
| 94.358 | 0.0000 | 0.0000 | 86.102 | 0.12438 | 0.00000 | 316523.1 | 187896.3 | 100632.1 | S |
| 94.367 | 0.0000 | 0.0000 | 86.102 | 0.12437 | 0.00000 | 316523.1 | 187900.0 | 100632.1 | S |
| 94.375 | 0.0000 | 0.0000 | 86.102 | 0.12435 | 0.00000 | 316523.1 | 187903.7 | 100632.1 | S |
| 94.383 | 0.0000 | 0.0000 | 86.102 | 0.12434 | 0.00000 | 316523.1 | 187907.5 | 100632.1 | S |
| 94.392 | 0.0000 | 0.0000 | 86.102 | 0.12432 | 0.00000 | 316523.1 | 187911.2 | 100632.1 | S |
| 94.400 | 0.0000 | 0.0000 | 86.101 | 0.12431 | 0.00000 | 316523.1 | 187914.9 | 100632.1 | S |
| 94.408 | 0.0000 | 0.0000 | 86.101 | 0.12429 | 0.00000 | 316523.1 | 187918.7 | 100632.1 | S |
| 94.417 | 0.0000 | 0.0000 | 86.101 | 0.12428 | 0.00000 | 316523.1 | 187922.4 | 100632.1 | S |
| 94.425 | 0.0000 | 0.0000 | 86.101 | 0.12426 | 0.00000 | 316523.1 | 187926.1 | 100632.1 | S |
| 94.433 | 0.0000 | 0.0000 | 86.100 | 0.12425 | 0.00000 | 316523.1 | 187929.8 | 100632.1 | S |
| 94.442 | 0.0000 | 0.0000 | 86.100 | 0.12423 | 0.00000 | 316523.1 | 187933.6 | 100632.1 | S |
| 94.450 | 0.0000 | 0.0000 | 86.100 | 0.12422 | 0.00000 | 316523.1 | 187937.3 | 100632.1 | S |
| 94.458 | 0.0000 | 0.0000 | 86.100 | 0.12420 | 0.00000 | 316523.1 | 187941.0 | 100632.1 | S |
| 94.467 | 0.0000 | 0.0000 | 86.100 | 0.12419 | 0.00000 | 316523.1 | 187944.7 | 100632.1 | S |
| 94.475 | 0.0000 | 0.0000 | 86.099 | 0.12417 | 0.00000 | 316523.1 | 187948.5 | 100632.1 | S |
| 94.483 | 0.0000 | 0.0000 | 86.099 | 0.12416 | 0.00000 | 316523.1 | 187952.2 | 100632.1 | S |
| 94.492 | 0.0000 | 0.0000 | 86.099 | 0.12414 | 0.00000 | 316523.1 | 187955.9 | 100632.1 | S |
| 94.500 | 0.0000 | 0.0000 | 86.099 | 0.12413 | 0.00000 | 316523.1 | 187959.6 | 100632.1 | S |
| 94.508 | 0.0000 | 0.0000 | 86.098 | 0.12411 | 0.00000 | 316523.1 | 187963.4 | 100632.1 | S |
| 94.517 | 0.0000 | 0.0000 | 86.098 | 0.12410 | 0.00000 | 316523.1 | 187967.1 | 100632.1 | S |
| 94.525 | 0.0000 | 0.0000 | 86.098 | 0.12408 | 0.00000 | 316523.1 | 187970.8 | 100632.1 | S |
| 94.533 | 0.0000 | 0.0000 | 86.098 | 0.12407 | 0.00000 | 316523.1 | 187974.5 | 100632.1 | S |
| 94.542 | 0.0000 | 0.0000 | 86.098 | 0.12405 | 0.00000 | 316523.1 | 187978.3 | 100632.1 | S |
| 94.550 | 0.0000 | 0.0000 | 86.097 | 0.12404 | 0.00000 | 316523.1 | 187982.0 | 100632.1 | S |
| 94.558 | 0.0000 | 0.0000 | 86.097 | 0.12402 | 0.00000 | 316523.1 | 187985.7 | 100632.1 | S |
| 94.567 | 0.0000 | 0.0000 | 86.097 | 0.12401 | 0.00000 | 316523.1 | 187989.4 | 100632.1 | S |
| 94.575 | 0.0000 | 0.0000 | 86.097 | 0.12400 | 0.00000 | 316523.1 | 187993.1 | 100632.1 | S |
| 94.583 | 0.0000 | 0.0000 | 86.096 | 0.12398 | 0.00000 | 316523.1 | 187996.9 | 100632.1 | S |
| 94.592 | 0.0000 | 0.0000 | 86.096 | 0.12397 | 0.00000 | 316523.1 | 188000.6 | 100832.1 | S |
| 94.600 | 0.0000 | 0.0000 | 86.096 | 0.12395 | 0.00000 | 316523.1 | 188004.3 | 100632.1 | S |
| 94.608 | 0.0000 | 0.0000 | 86.096 | 0.12394 | 0.00000 | 316523.1 | 188008.0 | 100632.1 | S |
| 94.617 | 0.0000 | 0.0000 | 86.096 | 0.12392 | 0.00000 | 316523.1 | 188011.7 | 100632.1 | S |
| 94.625 | 0.0000 | 0.0000 | 86.095 | 0.12391 | 0.00000 | 316523.1 | 188015.5 | 100632.1 | S |
| 94.633 | 0.0000 | 0.0000 | 86.095 | 0.12389 | 0.00000 | 316523.1 | 188019.2 | 100632.1 | S |
| 94.642 | 0.0000 | 0.0000 | 86.095 | 0.12388 | 0.00000 | 316523.1 | 188022.9 | 100632.1 | S |
| 94.650 | 0.0000 | 0.0000 | 86.095 | 0.12386 | 0.00000 | 316523.1 | 188026.6 | 100632.1 | S |
| 94.658 | 0.0000 | 0.0000 | 86.094 | 0.12385 | 0.00000 | 316523.1 | 188030.3 | 100632.1 | S |
| 94.667 | 0.0000 | 0.0000 | 86.094 | 0.12383 | 0.00000 | 316523.1 | 188034.0 | 100632.1 | S |
| 94.675 | 0.0000 | 0.0000 | 86.094 | 0.12382 | 0.00000 | 316523.1 | 188037.7 | 100632.1 | S |
| 94.683 | 0.0000 | 0.0000 | 86.094 | 0.12380 | 0.00000 | 316523.1 | 188041.5 | 100632.1 | S |
| 94.692 | 0.0000 | 0.0000 | 86.094 | 0.12379 | 0.00000 | 316523.1 | 188045.2 | 100632.1 | S |
| 94.700 | 0.0000 | 0.0000 | 86.093 | 0.12377 | 0.00000 | 316523.1 | 188048.9 | 100632.1 | S |
| 94.708 | 0.0000 | 0.0000 | 86.093 | 0.12376 | 0.00000 | 316523.1 | 188052.6 | 100632.1 | S |
| 94.717 | 0.0000 | 0.0000 | 86.093 | 0.12374 | 0.00000 | 316523.1 | 188056.3 | 100632.7 | S |
| 94.725 | 0.0000 | 0.0000 | 86.093 | 0.12373 | 0.00000 | 316523.1 | 188060.0 | 100632.7 | S |
| 94.733 | 0.0000 | 0.0000 | 86.092 | 0.12371 | 0.00000 | 316523.1 | 188063.7 | 100632.1 | S |
| 94.742 | 0.0000 | 0.0000 | 86.092 | 0.12370 | 0.00000 | 316523.1 | 188067.4 | 100632.1 | S |
| 94.750 | 0.0000 | 0.0000 | 86.092 | 0.12369 | 0.00000 | 316523.1 | 188071.2 | 100632.1 | S |
| 94.758 | 0.0000 | 0.0000 | 86.092 | 0.12367 | 0.00000 | 316523.1 | 188074.9 | 100632.1 | S |
| 94.767 | 0.0000 | 0.0000 | 86.092 | 0.12366 | 0.00000 | 316523.1 | 188078.6 | 100632.1 | S |
| 94.775 | 0.0000 | 0.0000 | 86.091 | 0.12364 | 0.00000 | 316523.1 | 188082.3 | 100632.1 | S |
| 94.783 | 0.0000 | 0.0000 | 86.091 | 0.12363 | 0.00000 | 316523.1 | 188086.0 | 100632.1 | S |
| 94.792 | 0.0000 | 0.0000 | 86.091 | 0.12361 | 0.00000 | 316523.1 | 188089.7 | 100632.1 | S |
| 94.800 | 0.0000 | 0.0000 | 86.091 | 0.12360 | 0.00000 | 316523.1 | 188093.4 | 100632.1 | S |
| 94.808 | 0.0000 | 0.0000 | 86.090 | 0.12358 | 0.00000 | 316523.1 | 188097.1 | 100632.1 | S |
| 94.817 | 0.0000 | 0.0000 | 86.090 | 0.12357 | 0.00000 | 316523.1 | 188100.8 | 100632.1 | S |
| 94.825 | 0.0000 | 0.0000 | 86.090 | 0.12355 | 0.00000 | 316523.1 | 188104.5 | 100632.1 | S |
| 94.833 | 0.0000 | 0.0000 | 86.090 | 0.12354 | 0.00000 | 316523.1 | 188108.2 | 100632.1 | S |
| 94.842 | 0.0000 | 0.0000 | 86.090 | 0.12352 | 0.00000 | 316523.1 | 188111.9 | 100632.1 | S |
| 94.850 | 0.0000 | 0.0000 | 86.089 | 0.12351 | 0.00000 | 316523.1 | 188115.7 | 100632.1 | S |
| 94.858 | 0.0000 | 0.0000 | 86.089 | 0.12349 | 0.00000 | 316523.1 | 188119.4 | 100632.1 | S |
| 94.867 | 0.0000 | 0.0000 | 86.089 | 0.12348 | 0.00000 | 316523.1 | 188123.1 | 100632.1 | S |
| 94.875 | 0.0000 | 0.0000 | 86.089 | 0.12347 | 0.00000 | 316523.1 | 188126.8 | 100632.1 | S |
| 94.883 | 0.0000 | 0.0000 | 86.088 | 0.12345 | 0.00000 | 316523.1 | 188130.5 | 100632.1 | S |
| 94.892 | 0.0000 | 0.0000 | 86.088 | 0.12344 | 0.00000 | 316523.1 | 188134.2 | 100632.1 | S |
| 94.900 | 0.0000 | 0.0000 | 86.088 | 0.12342 | 0.00000 | 316523.1 | 188137.9 | 100632.1 | S |
| 94.908 | 0.0000 | 0.0000 | 86.088 | 0.12341 | 0.00000 | 316523.1 | 188141.6 | 100632.1 | S |
| 94.917 | 0.0000 | 0.0000 | 86.088 | 0.12339 | 0.00000 | 316523.1 | 188145.3 | 100632.1 | S |
| 94.925 | 0.0000 | 0.0000 | 86.087 | 0.12338 | 0.00000 | 316523.1 | 188149.0 | 100632.1 | S |
| 94.933 | 0.0000 | 0.0000 | 86.087 | 0.12336 | 0.00000 | 316523.1 | 188152.7 | 100632.1 | S |
| 94.942 | 0.0000 | 0.0000 | 86.087 | 0.12335 | 0.00000 | 316523.1 | 188156.4 | 100632.1 | S |
| 94.950 | 0.0000 | 0.0000 | 86.087 | 0.12333 | 0.00000 | 316523.1 | 188160.1 | 100632.1 | S |
| 94.958 | 0.0000 | 0.0000 | 86.086 | 0.12332 | 0.00000 | 316523.1 | 188163.8 | 100632.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario $1::$ pond10 100 yr $/ 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{H}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative <br> Discharge <br> Volume ( $\mathrm{ft}^{5}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 94.967 | 0.0000 | 0.0000 | 86.086 | 0.12330 | 0.00000 | 316523.1 | 188167.5 | 100632.1 | S |
| 94.975 | 0.0000 | 0.0000 | 86.086 | 0.12329 | 0.00000 | 316523.1 | 188171.2 | 100632.1 | S |
| 94.983 | 0.0000 | 0.0000 | 86.086 | 0.12327 | 0.00000 | 316523.1 | 188174.9 | 100632.1 | S |
| 94.992 | 0.0000 | 0.0000 | 86.086 | 0.12326 | 0.00000 | 316523.1 | 188178.6 | 100632.1 | S |
| 95.000 | 0.0000 | 0.0000 | 86.085 | 0.12325 | 0.00000 | 316523.1 | 188182.3 | 100632.1 | S |
| 95.008 | 0.0000 | 0.0000 | 86.085 | 0.12323 | 0.00000 | 316523.1 | 188186.0 | 100632.1 | S |
| 95.017 | 0.0000 | 0.0000 | 86.085 | 0.12322 | 0.00000 | 316523.1 | 188189.7 | 100632.1 | S |
| 95.025 | 0.0000 | 0.0000 | 86.085 | 0.12320 | 0.00000 | 316523.1 | 188193.4 | 100632.1 | S |
| 95.033 | 0.0000 | 0.0000 | 86.084 | 0.12319 | 0.00000 | 316523.1 | 188197.1 | 100632.1 | S |
| 95.042 | 0.0000 | 0.0000 | 86.084 | 0.12317 | 0.00000 | 316523.1 | 188200.8 | 100632.1 | S |
| 95.050 | 0.0000 | 0.0000 | 86.084 | 0.12316 | 0.00000 | 316523.1 | 188204.5 | 100632.1 | S |
| 95.058 | 0.0000 | 0.0000 | 86.084 | 0.12314 | 0.00000 | 316523.1 | 188208.1 | 100632.1 | S |
| 95.067 | 0.0000 | 0.0000 | 86.084 | 0.12313 | 0.00000 | 316523.1 | 188211.8 | 100632.1 | S |
| 95.075 | 0.0000 | 0.0000 | 86.083 | 0.12311 | 0.00000 | 316523.1 | 188215.5 | 100632.1 | S |
| 95.083 | 0.0000 | 0.0000 | 86.083 | 0.12310 | 0.00000 | 316523.1 | 188219.2 | 100632.1 | S |
| 95.092 | 0.0000 | 0.0000 | 86.083 | 0.12308 | 0.00000 | 316523.1 | 188222.9 | 100632.1 | S |
| 95.100 | 0.0000 | 0.0000 | 86.083 | 0.12307 | 0.00000 | 316523.1 | 188226.6 | 100632.1 | S |
| 95.108 | 0.0000 | 0.0000 | 86.082 | 0.12306 | 0.00000 | 316523.1 | 188230.3 | 100632.1 | S |
| 95.117 | 0.0000 | 0.0000 | 86.082 | 0.12304 | 0.00000 | 316523.1 | 188234.0 | 100632.1 | S |
| 95.125 | 0.0000 | 0.0000 | 86.082 | 0.12303 | 0.00000 | 316523.1 | 188237.7 | 100632.1 | S |
| 95.133 | 0.0000 | 0.0000 | 86.082 | 0.12301 | 0.00000 | 316523.1 | 188241.4 | 100632.1 | S |
| 95.142 | 0.0000 | 0.0000 | 86.082 | 0.12300 | 0.00000 | 316523.1 | 188245.1 | 100632.1 | S |
| 95.150 | 0.0000 | 0.0000 | 86.081 | 0.12298 | 0.00000 | 316523.1 | 188248.8 | 100632.1 | S |
| 95.158 | 0.0000 | 0.0000 | 86.081 | 0.12297 | 0.00000 | 316523.1 | 188252.4 | 100632.1 | S |
| 95.167 | 0.0000 | 0.0000 | 86.081 | 0.12295 | 0.00000 | 316523.1 | 188256.1 | 100632.1 | S |
| 95.175 | 0.0000 | 0.0000 | 86.081 | 0.12294 | 0.00000 | 316523.1 | 188259.8 | 100632.1 | S |
| 95.183 | 0.0000 | 0.0000 | 86.080 | 0.12292 | 0.00000 | 316523.1 | 188263.5 | 100632.1 | S |
| 95.192 | 0.0000 | 0.0000 | 86.080 | 0.12291 | 0.00000 | 316523.1 | 188267.2 | 100632.1 | S |
| 95.200 | 0.0000 | 0.0000 | 86.080 | 0.12289 | 0.00000 | 316523.1 | 188270.9 | 100632.1 | S |
| 95.208 | 0.0000 | 0.0000 | 86.080 | 0.12288 | 0.00000 | 316523.1 | 188274.6 | 100632.1 | S |
| 95.217 | 0.0000 | 0.0000 | 86.080 | 0.12287 | 0.00000 | 316523.1 | 188278.3 | 100632.1 | S |
| 95.225 | 0.0000 | 0.0000 | 86.079 | 0.12285 | 0.00000 | 316523.1 | 188281.9 | 100632.1 | S |
| 95.233 | 0.0000 | 0.0000 | 86.079 | 0.12284 | 0.00000 | 316523.1 | 188285.6 | 100632.1 | S |
| 95.242 | 0.0000 | 0.0000 | 86.079 | 0.12282 | 0.00000 | 316523.1 | 188289.3 | 100632.1 | S |
| 95.250 | 0.0000 | 0.0000 | 86.079 | 0.12281 | 0.00000 | 316523.1 | 188293.0 | 100632.1 | S |
| 95.258 | 0.0000 | 0.0000 | 86.078 | 0.12279 | 0.00000 | 316523.1 | 188296.7 | 100632.1 | S |
| 95.267 | 0.0000 | 0.0000 | 86.078 | 0.12278 | 0.00000 | 316523.1 | 188300.4 | 100632.1 | S |
| 95.275 | 0.0000 | 0.0000 | 86.078 | 0.12276 | 0.00000 | 316523.1 | 188304.0 | 100632.1 | S |
| 95.283 | 0.0000 | 0.0000 | 86.078 | 0.12275 | 0.00000 | 316523.1 | 188307.7 | 100632.1 | S |
| 95.292 | 0.0000 | 0.0000 | 86.078 | 0.12273 | 0.00000 | 316523.1 | 188311.4 | 100632.1 | S |
| 95.300 | 0.0000 | 0.0000 | 86.077 | 0.12272 | 0.00000 | 316523.1 | 188315.1 | 100632.1 | S |
| 95.308 | 0.0000 | 0.0000 | 86.077 | 0.12271 | 0.00000 | 316523.1 | 188318.8 | 100632.1 | S |
| 95.317 | 0.0000 | 0.0000 | 86.077 | 0.12269 | 0.00000 | 316523.1 | 188322.5 | 100632.1 | S |
| 95.325 | 0.0000 | 0.0000 | 86.077 | 0.12268 | 0.00000 | 316523.1 | 188326.1 | 100632.1 | S |
| 95.333 | 0.0000 | 0.0000 | 86.076 | 0.12266 | 0.00000 | 316523.1 | 188329.8 | 100632.1 | S |
| 95.342 | 0.0000 | 0.0000 | 86.076 | 0.12265 | 0.00000 | 316523.1 | 188333.5 | 100632.1 | S |
| 95.350 | 0.0000 | 0.0000 | 86.076 | 0.12263 | 0.00000 | 316523.1 | 188337.2 | 100632.1 | S |
| 95.358 | 0.0000 | 0.0000 | 86.076 | 0.12262 | 0.00000 | 316523.1 | 188340.9 | 100632.1 | S |
| 95.367 | 0.0000 | 0.0000 | 86.076 | 0.12260 | 0.00000 | 316523.1 | 188344.5 | 100632.1 | S |
| 95.375 | 0.0000 | 0.0000 | 86.075 | 0.12259 | 0.00000 | 316523.1 | 188348.2 | 100632.1 | S |
| 95.383 | 0.0000 | 0.0000 | 86.075 | 0.12257 | 0.00000 | 316523.1 | 188351.9 | 100632.1 | S |
| 95.392 | 0.0000 | 0.0000 | 86.075 | 0.12256 | 0.00000 | 316523.1 | 188355.6 | 100632.1 | S |
| 95.400 | 0.0000 | 0.0000 | 86.075 | 0.12255 | 0.00000 | 316523.1 | 188359.2 | 100632.1 | S |
| 95.408 | 0.0000 | 0.0000 | 86.075 | 0.12253 | 0.00000 | 316523.1 | 188362.9 | 100632.1 | S |
| 95.417 | 0.0000 | 0.0000 | 86.074 | 0.12252 | 0.00000 | 316523.1 | 188366.6 | 100632.1 | S |
| 95.425 | 0.0000 | 0,0000 | 86.074 | 0.12250 | 0.00000 | 316523.1 | 188370.3 | 100632.1 | S |
| 95.433 | 0.0000 | 0.0000 | 86.074 | 0.12249 | 0.00000 | 316523.1 | 188373.9 | 100632.1 | S |
| 95.442 | 0.0000 | 0.0000 | 86.074 | 0.12247 | 0.00000 | 316523.1 | 188377.6 | 100632.1 | S |
| 95.450 | 0.0000 | 0.0000 | 86.073 | 0.12246 | 0.00000 | 316523.1 | 188381.3 | 100632.1 | S |
| 95.458 | 0.0000 | 0.0000 | 86.073 | 0.12244 | 0.00000 | 316523.1 | 188385.0 | 100632.1 | S |
| 95.467 | 0.0000 | 0.0000 | 86.073 | 0.12243 | 0.00000 | 316523.1 | 188388.6 | 100632.1 | S |
| 95.475 | 0.0000 | 0.0000 | 86.073 | 0.12242 | 0.00000 | 316523.1 | 188392.3 | 100632.1 | S |
| 95.483 | 0.0000 | 0.0000 | 86.073 | 0.12240 | 0.00000 | 316523.1 | 188396.0 | 100632.1 | S |
| 95.492 | 0.0000 | 0.0000 | 86.072 | 0.12239 | 0.00000 | 316523.1 | 188399.7 | 100632.1 | S |
| 95.500 | 0.0000 | 0.0000 | 86.072 | 0.12237 | 0.00000 | 316523.1 | 188403.3 | 100632.1 | S |
| 95.508 | 0.0000 | 0.0000 | 86.072 | 0.12236 | 0.00000 | 316523.1 | 188407.0 | 100632.1 | S |
| 95.517 | 0.0000 | 0.0000 | 86.072 | 0.12234 | 0.00000 | 316523.1 | 188410.7 | 100632.1 | S |
| 95.525 | 0.0000 | 0.0000 | 86.071 | 0.12233 | 0.00000 | 316523.1 | 188414.3 | 100632.1 | S |
| 95.533 | 0.0000 | 0.0000 | 86.071 | 0.12231 | 0.00000 | 316523.1 | 188418.0 | 100632.1 | S |
| 95.542 | 0.0000 | 0.0000 | 86.071 | 0.12230 | 0.00000 | 316523.1 | 188421.7 | 100632.1 | S |
| 95.550 | 0.0000 | 0.0000 | 86.071 | 0.12228 | 0.00000 | 316523.1 | 188425.3 | 100632.1 | S |
| 95.558 | 0.0000 | 0.0000 | 86.071 | 0.12227 | 0.00000 | 316523.1 | 188429.0 | 100632.1 | S |
| 95.567 | 0.0000 | 0.0000 | 86.070 | 0.12226 | 0.00000 | 316523.1 | 188432.7 | 100632.1 | S |
| 95.575 | 0.0000 | 0.0000 | 86.070 | 0.12224 | 0.00000 | 316523.1 | 188436.3 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation ( 11 datum) | Infiltration Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 95.583 | 0.0000 | 0.0000 | 86.070 | 0.12223 | 0.00000 | 316523.1 | 188440.0 | 100632.1 | S |
| 95.592 | 0.0000 | 0.0000 | 86.070 | 0.12221 | 0.00000 | 316523.1 | 188443.7 | 100632.1 | S |
| 95.600 | 0.0000 | 0.0000 | 86.069 | 0.12220 | 0.00000 | 316523.1 | 188447.3 | 100632.1 | S |
| 95.608 | 0.0000 | 0.0000 | 86.069 | 0.12218 | 0.00000 | 316523.1 | 188451.0 | 100632.1 | S |
| 95.617 | 0.0000 | 0.0000 | 86.069 | 0.12217 | 0.00000 | 316523.1 | 188454.7 | 100632.1 | S |
| 95.625 | 0.0000 | 0.0000 | 86.069 | 0.12215 | 0.00000 | 316523.1 | 188458.3 | 100632.1 | S |
| 95.633 | 0.0000 | 0.0000 | 86.069 | 0.12214 | 0.00000 | 316523.1 | 188462.0 | 100632.1 | S |
| 95.642 | 0.0000 | 0.0000 | 86.068 | 0.12213 | 0.00000 | 316523.1 | 188465.7 | 100632.1 | S |
| 95.650 | 0.0000 | 0.0000 | 86.068 | 0.12211 | 0.00000 | 316523.1 | 188469.3 | 100632.1 | S |
| 95.658 | 0.0000 | 0.0000 | 86.068 | 0.12210 | 0.00000 | 316523.1 | 188473.0 | 100632.1 | S |
| 95.667 | 0.0000 | 0.0000 | 86.068 | 0.12208 | 0.00000 | 316523.1 | 188476.7 | 100632.1 | S |
| 95.675 | 0.0000 | 0.0000 | 86.067 | 0.12207 | 0.00000 | 316523.1 | 188480.3 | 100632.1 | S |
| 95.683 | 0.0000 | 0.0000 | 86.067 | 0.12205 | 0.00000 | 316523.1 | 188484.0 | 100632.1 | S |
| 95.692 | 0.0000 | 0.0000 | 86.067 | 0.12204 | 0.00000 | 316523.1 | 188487.7 | 100632.1 | S |
| 95.700 | 0.0000 | 0.0000 | 86.067 | 0.12203 | 0.00000 | 316523.1 | 188491.3 | 100632.1 | S |
| 95.708 | 0.0000 | 0.0000 | 86.067 | 0.12201 | 0.00000 | 316523.1 | 188495.0 | 100632.1 | S |
| 95.717 | 0.0000 | 0.0000 | 86.066 | 0.12200 | 0.00000 | 316523.1 | 188498.6 | 100632.1 | S |
| 95.725 | 0.0000 | 0.0000 | 86.066 | 0.12198 | 0.00000 | 316523.1 | 188502.3 | 100632.1 | S |
| 95.733 | 0.0000 | 0.0000 | 86.066 | 0.12197 | 0.00000 | 316523.1 | 188506.0 | 100632.1 | S |
| 95.742 | 0.0000 | 0.0000 | 86.066 | 0.12195 | 0.00000 | 316523.1 | 188509.6 | 100632.1 | S |
| 95.750 | 0.0000 | 0.0000 | 86.065 | 0.12194 | 0.00000 | 316523.1 | 188513.3 | 100632.1 | 5 |
| 95.758 | 0.0000 | 0.0000 | 86.065 | 0.12192 | 0.00000 | 316523.1 | 188516.9 | 100632.1 | S |
| 95.767 | 0.0000 | 0.0000 | 86.065 | 0.12191 | 0.00000 | 316523.1 | 188520.6 | 100632.1 | S |
| 95.775 | 0.0000 | 0.0000 | 86.065 | 0.12190 | 0.00000 | 316523.1 | 188524.2 | 100632.1 | S |
| 95.783 | 0.0000 | 0.0000 | 86.065 | 0.12188 | 0.00000 | 316523.1 | 188527.9 | 100632.1 | S |
| 95.792 | 0.0000 | 0.0000 | 86.064 | 0.12187 | 0.00000 | 316523.1 | 188531.5 | 100632.1 | S |
| 95.800 | 0.0000 | 0.0000 | 86.064 | 0.12185 | 0.00000 | 316523.1 | 188535.2 | 100632.1 | S |
| 95.808 | 0.0000 | 0.0000 | 86.064 | 0.12184 | 0.00000 | 316523.1 | 188538.9 | 100632.1 | S |
| 95.817 | 0.0000 | 0.0000 | 86.064 | 0.12182 | 0.00000 | 316523.1 | 188542.5 | 100632.1 | S |
| 95.825 | 0.0000 | 0.0000 | 86.063 | 0.12181 | 0.00000 | 316523.1 | 188546.2 | 100632.1 | S |
| 95.833 | 0.0000 | 0.0000 | 86.063 | 0.12179 | 0.00000 | 316523.1 | 188549.8 | 100632.1 | S |
| 95.842 | 0.0000 | 0.0000 | 86.063 | 0.12178 | 0.00000 | 316523.1 | 188553.5 | 100632.1 | S |
| 95.850 | 0.0000 | 0.0000 | 86.063 | 0.12177 | 0.00000 | 316523.1 | 188557.1 | 100632.1 | S |
| 95.858 | 0.0000 | 0.0000 | 86.063 | 0.12175 | 0.00000 | 316523.1 | 188560.8 | 100632.1 | S |
| 95.867 | 0.0000 | 0.0000 | 86.062 | 0.12174 | 0.00000 | 316523.1 | 188564.4 | 100632.1 | S |
| 95,875 | 0.0000 | 0.0000 | 86.062 | 0.12172 | 0.00000 | 316523.1 | 188568.1 | 100632.1 | S |
| 95.883 | 0.0000 | 0.0000 | 86.062 | 0.12171 | 0.00000 | 316523.1 | 188571.7 | 100632.1 | S |
| 95.892 | 0.0000 | 0.0000 | 86.062 | 0.12169 | 0.00000 | 316523.1 | 188575.4 | 100632.1 | S |
| 95.900 | 0.0000 | 0.0000 | 86.062 | 0.12168 | 0.00000 | 316523.1 | 188579.0 | 100632.1 | S |
| 95.908 | 0.0000 | 0.0000 | 86.061 | 0.12167 | 0.00000 | 316523.1 | 188582.7 | 100632.1 | S |
| 95.917 | 0.0000 | 0.0000 | 86.061 | 0.12165 | 0.00000 | 316523.1 | 188586.3 | 100632.1 | S |
| 95.925 | 0.0000 | 0.0000 | 86.061 | 0.12164 | 0.00000 | 316523.1 | 188590.0 | 100632.1 | S |
| 95.933 | 0.0000 | 0.0000 | 86.061 | 0.12162 | 0.00000 | 316523.1 | 188593.6 | 100632.1 | S |
| 95.942 | 0.0000 | 0.0000 | 86.060 | 0.12161 | 0.00000 | 316523.1 | 188597.3 | 100632.1 | S |
| 95.950 | 0.0000 | 0.0000 | 86.060 | 0.12159 | 0.00000 | 316523.1 | 188600.9 | 100632.1 | S |
| 95.958 | 0.0000 | 0.0000 | 86.060 | 0.12158 | 0.00000 | 316523.1 | 188604.6 | 100632.1 | S |
| 95.967 | 0.0000 | 0.0000 | 86.060 | 0.12157 | 0.00000 | 316523.1 | 188608.2 | 100632.1 | S |
| 95.975 | 0.0000 | 0.0000 | 86.060 | 0.12155 | 0.00000 | 316523.1 | 188611.9 | 100632.1 | S |
| 95.983 | 0.0000 | 0.0000 | 86.059 | 0.12154 | 0.00000 | 316523.1 | 188615.5 | 100632.1 | S |
| 95.992 | 0.0000 | 0.0000 | 86.059 | 0.12152 | 0.00000 | 316523.1 | 188619.2 | 100632.1 | S |
| 96.000 | 0.0000 | 0.0000 | 86.059 | 0.12151 | 0.00000 | 316523.1 | 188622.8 | 100632.1 | S |
| 96.008 | 0.0000 | 0.0000 | 86.059 | 0.12149 | 0.00000 | 316523.1 | 188626.5 | 100632.1 | S |
| 96.017 | 0.0000 | 0.0000 | 86.058 | 0.12148 | 0.00000 | 316523.1 | 188630.1 | 100632.1 | S |
| 96.025 | 0.0000 | 0.0000 | 86.058 | 0.12146 | 0.00000 | 316523.1 | 188633.8 | 100632.1 | S |
| 96.033 | 0.0000 | 0.0000 | 86.058 | 0.12145 | 0.00000 | 316523.1 | 188637.4 | 100632.1 | S |
| 96.042 | 0.0000 | 0.0000 | 86.058 | 0.12144 | 0.00000 | 316523.1 | 188641.0 | 100632.1 | S |
| 96.050 | 0.0000 | 0.0000 | 86.058 | 0.12142 | 0.00000 | 316523.1 | 188644.7 | 100632.1 | S |
| 96.058 | 0.0000 | 0.0000 | 86.057 | 0.12141 | 0.00000 | 316523.1 | 188648.3 | 100632.1 | S |
| 96.067 | 0.0000 | 0.0000 | 86.057 | 0.12139 | 0.00000 | 316523.1 | 188652.0 | 100632.1 | S |
| 96.075 | 0.0000 | 0.0000 | 86.057 | 0.12138 | 0.00000 | 316523.1 | 188655.6 | 100632.1 | S |
| 96.083 | 0.0000 | 0.0000 | 86.057 | 0.12136 | 0.00000 | 316523.1 | 188659.3 | 100632.1 | S |
| 96.092 | 0.0000 | 0.0000 | 86.056 | 0.12135 | 0.00000 | 316523.1 | 188662.9 | 100632.1 | S |
| 96.100 | 0.0000 | 0.0000 | 86.056 | 0.12134 | 0.00000 | 316523.1 | 188666.5 | 100632.1 | S |
| 96.108 | 0.0000 | 0.0000 | 86.056 | 0.12132 | 0.00000 | 316523.1 | 188670.2 | 100632.1 | S |
| 96.117 | 0.0000 | 0.0000 | 86.056 | 0.12131 | 0.00000 | 316523.1 | 188673.8 | 100632.1 | S |
| 96.125 | 0.0000 | 0.0000 | 86.056 | 0.12129 | 0.00000 | 316523.1 | 188677.5 | 100632.1 | S |
| 96.133 | 0.0000 | 0.0000 | 86.055 | 0.12128 | 0.00000 | 316523.1 | 188681.1 | 100632.1 | S |
| 96.142 | 0.0000 | 0.0000 | 86.055 | 0.12126 | 0.00000 | 316523.1 | 188684.7 | 100632.1 | S |
| 96.150 | 0.0000 | 0.0000 | 86.055 | 0.12125 | 0.00000 | 316523.1 | 188688.4 | 100632.1 | S |
| 96.158 | 0.0000 | 0.0000 | 86.055 | 0.12124 | 0.00000 | 316523.1 | 188692.0 | 100632.1 | S |
| 96.167 | 0.0000 | 0.0000 | 86.054 | 0.12122 | 0.00000 | 316523.1 | 188695.6 | 100632.1 | S |
| 96.175 | 0.0000 | 0.0000 | 86.054 | 0.12121 | 0.00000 | 316523.1 | 188699.3 | 100632.1 | S |
| 96.183 | 0.0000 | 0.0000 | 86.054 | 0.12119 | 0.00000 | 316523.1 | 188702.9 | 100632.1 | S |
| 96.192 | 0.0000 | 0.0000 | 86.054 | 0.12118 | 0.00000 | 316523.1 | 188706.5 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/overflow

| Elapsed Time (hours) | inflow Rate (ft ${ }^{3} / \mathrm{s}$ ) | Outside Recharge (fl/day) | Stage Elevation (ft datum) | infiltration Rate ( $1^{3 / 3 / 5 \text { ) }) ~}$ | Overflow Discharge ( $\mathrm{f}^{3 / \mathrm{s}} \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{fl}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 96.200 | 0.0000 | 0.0000 | 86.054 | 0.12176 | 0.00000 | 316523.1 | 188710.2 | 100632.1 | S |
| 96.208 | 0.0000 | 0.0000 | 86.053 | 0.12115 | 0.00000 | 316523.1 | 188713.8 | 100632.1 | S |
| 96.217 | 0.0000 | 0.0000 | 86.053 | 0.12114 | 0.00000 | 316523.1 | 188717.5 | 100632.1 | S |
| 96.225 | 0.0000 | 0.0000 | 86.053 | 0.12112 | 0.00000 | 316523.1 | 188721.1 | 100632.1 | S |
| 96.233 | 0.0000 | 0.0000 | 86.053 | 0.12111 | 0.00000 | 316523.1 | 188724.7 | 100632.1 | S |
| 96.242 | 0.0000 | 0.0000 | 86.053 | 0.12109 | 0.00000 | 316523.1 | 188728.3 | 100632.1 | S |
| 96.250 | 0.0000 | 0.0000 | 86.052 | 0.12108 | 0.00000 | 316523.1 | 188732.0 | 100632.1 | S |
| 96.258 | 0.0000 | 0.0000 | 86.052 | 0.12106 | 0.00000 | 316523.1 | 188735.6 | 100632.7 | S |
| 96.267 | 0.0000 | 0.0000 | 86.052 | 0.12105 | 0.00000 | 316523.1 | 188739.3 | 100632.1 | S |
| 96.275 | 0.0000 | 0.0000 | 86.052 | 0.12104 | 0.00000 | 316523.1 | 188742.9 | 100632.1 | S |
| 96.283 | 0.0000 | 0.0000 | 86.051 | 0.12102 | 0.00000 | 316523.1 | 188746.5 | 100632.1 | S |
| 96.292 | 0.0000 | 0.0000 | 86.051 | 0.12101 | 0.00000 | 316523.1 | 188750.1 | 100632.1 | S |
| 96.300 | 0.0000 | 0.0000 | 86.051 | 0.12099 | 0.00000 | 316523.1 | 188753.8 | 100632.1 | S |
| 96.308 | 0.0000 | 0.0000 | 86.051 | 0.12098 | 0.00000 | 316523.1 | 188757.4 | 100632.1 | S |
| 96.317 | 0.0000 | 0.0000 | 86.054 | 0.12097 | 0.00000 | 316523.1 | 188761.0 | 100632.1 | S |
| 96.325 | 0.0000 | 0.0000 | 86.050 | 0.12095 | 0.00000 | 316523.1 | 188764.7 | 100632.1 | S |
| 96.333 | 0.0000 | 0.0000 | 86.050 | 0.12094 | 0.00000 | 316523.1 | 188768.3 | 100632.1 | S |
| 96.342 | 0.0000 | 0.0000 | 86.050 | 0.12092 | 0.00000 | 316523.1 | 188771.9 | 100632.1 | S |
| 96.350 | 0.0000 | 0.0000 | 86.050 | 0.12091 | 0.00000 | 316523.1 | 188775.5 | 100632.1 | S |
| 96.358 | 0.0000 | 0.0000 | 86.049 | 0.12089 | 0.00000 | 316523.1 | 188779.2 | 100632.1 | S |
| 96.367 | 0.0000 | 0.0000 | 86.049 | 0.12088 | 0.00000 | 316523.1 | 188782.8 | 100632.1 | S |
| 96.375 | 0.0000 | 0.0000 | 86.049 | 0.12087 | 0.00000 | 316523.1 | 188786.4 | 100632.1 | S |
| 96.383 | 0.0000 | 0.0000 | 86.049 | 0.12085 | 0.00000 | 316523.1 | 188790.0 | 100632.1 | S |
| 96.392 | 0.0000 | 0.0000 | 86.049 | 0.12084 | 0.00000 | 316523.1 | 188793.7 | 100632.1 | S |
| 96.400 | 0.0000 | 0.0000 | 86.048 | 0.12082 | 0.00000 | 316523.1 | 188797.3 | 100632.1 | S |
| 96.408 | 0.0000 | 0.0000 | 86.048 | 0.12081 | 0.00000 | 316523.1 | 188800.9 | 100632.1 | S |
| 96.417 | 0.0000 | 0.0000 | 86.048 | 0.12079 | 0.00000 | 316523.1 | 188804.5 | 100632.1 | S |
| 96.425 | 0.0000 | 0.0000 | 86.048 | 0.12078 | 0.00000 | 316523.1 | 188808.2 | 100632.1 | S |
| 96.433 | 0.0000 | 0.0000 | 86.047 | 0.12077 | 0.00000 | 316523.1 | 188811.8 | 100632.1 | S |
| 96.442 | 0.0000 | 0.0000 | 86.047 | 0.12075 | 0.00000 | 316523.1 | 188815.4 | 100632.1 | S |
| 96.450 | 0.0000 | 0.0000 | 86.047 | 0.12074 | 0.00000 | 316523.1 | 188819.0 | 100632.1 | S |
| 96.458 | 0.0000 | 0.0000 | 86.047 | 0.12072 | 0.00000 | 316523.1 | 188822.7 | 100632.1 | S |
| 96.467 | 0.0000 | 0.0000 | 86.047 | 0.12071 | 0.00000 | 316523.1 | 188826.3 | 100632.1 | S |
| 96.475 | 0.0000 | 0.0000 | 86.046 | 0.12070 | 0.00000 | 316523.1 | 188829.9 | 100632.1 | S |
| 96.483 | 0.0000 | 0.0000 | 86.046 | 0.12068 | 0.00000 | 316523.1 | 188833.5 | 100632.1 | S |
| 96.492 | 0.0000 | 0.0000 | 86.046 | 0.12067 | 0.00000 | 316523.1 | 188837.1 | 100632.1 | S |
| 96.500 | 0.0000 | 0.0000 | 86.046 | 0.12065 | 0.00000 | 316523.1 | 188840.8 | 100632.1 | S |
| 96.508 | 0.0000 | 0.0000 | 86.045 | 0.12064 | 0.00000 | 316523.1 | 188844.4 | 100632.1 | S |
| 96.517 | 0.0000 | 0.0000 | 86.045 | 0.12062 | 0.00000 | 316523.1 | 188848.0 | 100632.1 | S |
| 96.525 | 0.0000 | 0.0000 | 86.045 | 0.12061 | 0.00000 | 316523.1 | 188851.6 | 100632.1 | S |
| 96.533 | 0.0000 | 0.0000 | 86.045 | 0.12060 | 0.00000 | 316523.1 | 188855.2 | 100632.1 | S |
| 96.542 | 0.0000 | 0.0000 | 86.045 | 0.12058 | 0.00000 | 316523.1 | 188858.9 | 100632.1 | S |
| 96.550 | 0.0000 | 0.0000 | 86.044 | 0.12057 | 0.00000 | 316523.1 | 188862.5 | 100632.1 | S |
| 96.558 | 0.0000 | 0.0000 | 86.044 | 0.12055 | 0.00000 | 316523.1 | 188866.1 | 100632.1 | S |
| 96.567 | 0.0000 | 0.0000 | 86.044 | 0.12054 | 0.00000 | 316523.1 | 188869.7 | 100632.1 | S |
| 96.575 | 0.0000 | 0.0000 | 86.044 | 0.12053 | 0.00000 | 316523.1 | 188873.3 | 100632.1 | S |
| 96.583 | 0.0000 | 0.0000 | 86.044 | 0.12051 | 0.00000 | 316523.1 | 188876.9 | 100632.1 | S |
| 96.592 | 0.0000 | 0.0000 | 86.043 | 0.12050 | 0.00000 | 316523.1 | 188880.5 | 100632.1 | S |
| 96.600 | 0.0000 | 0.0000 | 86.043 | 0.12048 | 0.00000 | 316523.1 | 188884.2 | 100632.1 | S |
| 96.608 | 0.0000 | 0.0000 | 86.043 | 0.12047 | 0.00000 | 316523.1 | 188887.8 | 100632.1 | S |
| 96.617 | 0.0000 | 0.0000 | 86.043 | 0.12045 | 0.00000 | 316523.1 | 188891.4 | 100632.1 | S |
| 96.625 | 0.0000 | 0.0000 | 86.042 | 0.12044 | 0.00000 | 316523.1 | 188895.0 | 100632.1 | S |
| 96.633 | 0.0000 | 0.0000 | 86.042 | 0.12043 | 0.00000 | 316523.1 | 188898.6 | 100632.1 | S |
| 96.642 | 0.0000 | 0.0000 | 86.042 | 0.12041 | 0.00000 | 316523.1 | 188902.2 | 100632.1 | S |
| 96.650 | 0.0000 | 0.0000 | 86.042 | 0.12040 | 0.00000 | 316523.1 | 188905.8 | 100632.1 | S |
| 96.658 | 0.0000 | 0.0000 | 86.042 | 0.12038 | 0.00000 | 316523.1 | 188909.5 | 100632.1 | S |
| 96.667 | 0.0000 | 0.0000 | 86.041 | 0.12037 | 0.00000 | 316523.1 | 188913.1 | 100632.1 | S |
| 96.675 | 0.0000 | 0.0000 | 86.041 | 0.12036 | 0.00000 | 316523.1 | 188916.7 | 100632.1 | S |
| 96.683 | 0.0000 | 0.0000 | 86.041 | 0.12034 | 0.00000 | 316523.1 | 188920.3 | 100632.1 | S |
| 96.692 | 0.0000 | 0.0000 | 86.041 | 0.12033 | 0.00000 | 316523.1 | 188923.9 | 100632.1 | S |
| 96.700 | 0.0000 | 0.0000 | 86.040 | 0.12031 | 0.00000 | 316523.1 | 188927.5 | 100632.1 | S |
| 96.708 | 0.0000 | 0.0000 | 86.040 | 0.12030 | 0.00000 | 316523.1 | 188931.1 | 100632.1 | S |
| 96.717 | 0.0000 | 0.0000 | 86.040 | 0.12029 | 0.00000 | 316523.1 | 188934.7 | 100632.1 | S |
| 96.725 | 0.0000 | 0.0000 | 86.040 | 0.12027 | 0.00000 | 316523.1 | 188938.3 | 100632.1 | S |
| 96.733 | 0.0000 | 0.0000 | 86.040 | 0.12026 | 0.00000 | 316523.1 | 188941.9 | 100632.1 | S |
| 96.742 | 0.0000 | 0.0000 | 86.039 | 0.12024 | 0.00000 | 316523.1 | 188945.5 | 100632.1 | S |
| 96.750 | 0.0000 | 0.0000 | 86.039 | 0.12023 | 0.00000 | 316523.1 | 188949.2 | 100632.1 | S |
| 96.758 | 0.0000 | 0.0000 | 86.039 | 0.12021 | 0.00000 | 316523.1 | 188952.8 | 100632.1 | S |
| 96.767 | 0.0000 | 0.0000 | 86.039 | 0.12020 | 0.00000 | 316523.1 | 188956.4 | 100632.1 | S |
| 96.775 | 0.0000 | 0.0000 | 86.039 | 0.12019 | 0.00000 | 316523.1 | 188960.0 | 100632.1 | S |
| 96.783 | 0.0000 | 0.0000 | 86.038 | 0.12017 | 0.00000 | 316523.1 | 188963.6 | 100632.1 | S |
| 96.792 | 0.0000 | 0.0000 | 86.038 | 0.12016 | 0.00000 | 316523.1 | 188967.2 | 100632.1 | S |
| 96.800 | 0.0000 | 0.0000 | 86.038 | 0.12014 | 0.00000 | 316523.1 | 188970.8 | 100632.1 | S |
| 96.808 | 0.0000 | 0.0000 | 86.038 | 0.12013 | 0.00000 | 316523.1 | 188974.4 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | inflow Rate ( $\mathrm{f} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{H}^{3}$ ) | Cumulative Discharge Volume $\left(\mathrm{f}^{3}\right)$ | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 96.817 | 0.0000 | 0.0000 | 86.037 | 0.12012 | 0.00000 | 316523.1 | 188978.0 | 100632.1 | S |
| 96.825 | 0.0000 | 0.0000 | 86.037 | 0.12010 | 0.00000 | 316523.1 | 188981.6 | 100632.1 | S |
| 96.833 | 0.0000 | 0.0000 | 86.037 | 0.12009 | 0.00000 | 316523.1 | 188985.2 | 100632.1 | S |
| 96.842 | 0.0000 | 0.0000 | 86.037 | 0.12007 | 0.00000 | 316523.1 | 188988.8 | 100632.1 | S |
| 96.850 | 0.0000 | 0.0000 | 86.037 | 0.12006 | 0.00000 | 316523.1 | 188992.4 | 100632.1 | S |
| 96.858 | 0.0000 | 0.0000 | 86.036 | 0.12005 | 0.00000 | 316523.1 | 188996.0 | 100632.1 | S |
| 96.867 | 0.0000 | 0.0000 | 86.036 | 0.12003 | 0.00000 | 316523.1 | 188999.6 | 100632.1 | S |
| 96.875 | 0.0000 | 0.0000 | 86.036 | 0.12002 | 0.00000 | 316523.1 | 189003.2 | 100632.1 | S |
| 96.883 | 0.0000 | 0.0000 | 86.036 | 0.12000 | 0.00000 | 316523.1 | 189006.8 | 100632.1 | S |
| 96.892 | 0.0000 | 0.0000 | 86.035 | 0.11999 | 0.00000 | 316523.1 | 189010.4 | 100632.1 | S |
| 96.900 | 0.0000 | 0.0000 | 86.035 | 0.11998 | 0.00000 | 316523.1 | 189014.0 | 100632.1 | S |
| 96.908 | 0.0000 | 0.0000 | 86.035 | 0.11996 | 0.00000 | 316523.1 | 189017.6 | 100632.1 | S |
| 96.917 | 0.0000 | 0.0000 | 86.035 | 0.11995 | 0.00000 | 316523.1 | 189021.2 | 100632.1 | S |
| 96.925 | 0.0000 | 0.0000 | 86.035 | 0.11993 | 0.00000 | 316523.1 | 189024.8 | 100632.1 | S |
| 96.933 | 0.0000 | 0.0000 | 86.034 | 0.11992 | 0.00000 | 316523.1 | 189028.4 | 100632.1 | S |
| 96.942 | 0.0000 | 0.0000 | 86.034 | 0.11991 | 0.00000 | 316523.1 | 189032,0 | 100632.1 | S |
| 96.950 | 0.0000 | 0.0000 | 86.034 | 0.11989 | 0.00000 | 316523.1 | 189035.6 | 100632.1 | S |
| 96.958 | 0.0000 | 0.0000 | 86.034 | 0.11988 | 0.00000 | 316523.1 | 189039.2 | 100632.1 | S |
| 96.967 | 0.0000 | 0.0000 | 86.033 | 0.11986 | 0.00000 | 316523.1 | 189042.8 | 100632.1 | S |
| 96.975 | 0.0000 | 0.0000 | 86.033 | 0.11985 | 0.00000 | 316523.1 | 189046.4 | 100632.1 | S |
| 96.983 | 0.0000 | 0.0000 | 86.033 | 0.11984 | 0.00000 | 316523.1 | 189050.0 | 100632.1 | S |
| 96.992 | 0.0000 | 0.0000 | 86.033 | 0.11982 | 0.00000 | 316523.1 | 189053.6 | 100632.1 | S |
| 97.000 | 0.0000 | 0.0000 | 86.033 | 0.11981 | 0.00000 | 316523.1 | 189057.2 | 100632.1 | S |
| 97.008 | 0.0000 | 0.0000 | 86.032 | 0.11979 | 0.00000 | 316523.1 | 189060.8 | 100632.1 | S |
| 97.017 | 0.0000 | 0.0000 | 86.032 | 0.11978 | 0.00000 | 316523.1 | 189064.4 | 100632.1 | S |
| 97.025 | 0.0000 | 0.0000 | 86.032 | 0.11977 | 0.00000 | 316523.1 | 189068.0 | 100632.1 | S |
| 97.033 | 0.0000 | 0.0000 | 86.032 | 0.11975 | 0.00000 | 316523.1 | 189071.5 | 100632.1 | S |
| 97.042 | 0.0000 | 0.0000 | 86.032 | 0.11974 | 0.00000 | 316523.1 | 189075.1 | 100632.1 | S |
| 97.050 | 0.0000 | 0.0000 | 86.031 | 0.11972 | 0.00000 | 316523.1 | 189078.7 | 100632.1 | S |
| 97.058 | 0.0000 | 0.0000 | 86.031 | 0.11971 | 0.00000 | 316523.1 | 189082.3 | 100632.1 | S |
| 97.067 | 0.0000 | 0.0000 | 86.031 | 0.11970 | 0.00000 | 316523.1 | 189085.9 | 100632.1 | S |
| 97.075 | 0.0000 | 0.0000 | 86.031 | 0.11968 | 0.00000 | 316523.1 | 189089.5 | 100632.1 | S |
| 97.083 | 0.0000 | 0.0000 | 86.030 | 0.11967 | 0.00000 | 316523.1 | 189093.1 | 100632.1 | S |
| 97.092 | 0.0000 | 0.0000 | 86.030 | 0.11965 | 0.00000 | 316523.1 | 189096.7 | 100632.1 | S |
| 97.100 | 0.0000 | 0.0000 | 86.030 | 0.11964 | 0.00000 | 316523.1 | 189100.3 | 100632.1 | S |
| 97.108 | 0.0000 | 0.0000 | 86.030 | 0.11963 | 0.00000 | 316523.1 | 189103.9 | 100632.1 | S |
| 97.117 | 0.0000 | 0.0000 | 86.030 | 0.11961 | 0.00000 | 316523.1 | 189107.5 | 100632.1 | S |
| 97.125 | 0.0000 | 0.0000 | 86.029 | 0.11960 | 0.00000 | 316523.1 | 189111.0 | 100632.1 | S |
| 97.133 | 0.0000 | 0.0000 | 86.029 | 0.11958 | 0.00000 | 316523.1 | 189114.6 | 100632.1 | S |
| 97.142 | 0.0000 | 0.0000 | 86.029 | 0.11957 | 0.00000 | 316523.1 | 189118.2 | 100632.1 | S |
| 97.150 | 0.0000 | 0.0000 | 86.029 | 0.11956 | 0.00000 | 316523.1 | 189121.8 | 100632.1 | S |
| 97.158 | 0.0000 | 0.0000 | 86.028 | 0.11954 | 0.00000 | 316523.1 | 189125.4 | 100632.1 | S |
| 97.167 | 0.0000 | 0.0000 | 86.028 | 0.11953 | 0.00000 | 316523.1 | 189129.0 | 100632.1 | S |
| 97.175 | 0.0000 | 0.0000 | 86.028 | 0.11951 | 0.00000 | 316523.1 | 189132.6 | 100632.1 | S |
| 97.183 | 0.0000 | 0.0000 | 86.028 | 0.11950 | 0.00000 | 316523.1 | 189136.1 | 100632.1 | S |
| 97.192 | 0.0000 | 0.0000 | 86.028 | 0.11949 | 0.00000 | 316523.1 | 189139.7 | 100632.1 | S |
| 97.200 | 0.0000 | 0.0000 | 86.027 | 0.11947 | 0.00000 | 316523.1 | 189143.3 | 100632.1 | S |
| 97.208 | 0.0000 | 0.0000 | 86.027 | 0.11946 | 0.00000 | 316523.1 | 189146.9 | 100632.1 | S |
| 97.217 | 0.0000 | 0.0000 | 86.027 | 0.11944 | 0.00000 | 316523.1 | 189150.5 | 100632.1 | S |
| 97.225 | 0.0000 | 0.0000 | 86.027 | 0.11943 | 0.00000 | 316523.1 | 189154.1 | 100632.1 | S |
| 97.233 | 0.0000 | 0.0000 | 86.027 | 0.11942 | 0.00000 | 316523.1 | 189157.6 | 100632.1 | S |
| 97.242 | 0.0000 | 0.0000 | 86.026 | 0.11940 | 0.00000 | 316523.1 | 189161.2 | 100632.1 | S |
| 97.250 | 0.0000 | 0.0000 | 86.026 | 0.11939 | 0.00000 | 316523.1 | 189164.8 | 100632.1 | S |
| 97.258 | 0.0000 | 0.0000 | 86.026 | 0.11937 | 0.00000 | 316523.1 | 189168.4 | 100632.1 | S |
| 97.267 | 0.0000 | 0.0000 | 86.026 | 0.11936 | 0.00000 | 316523.1 | 189172.0 | 100632.1 | S |
| 97.275 | 0.0000 | 0.0000 | 86.025 | 0.11935 | 0.00000 | 316523.1 | 189175.5 | 100632.1 | S |
| 97.283 | 0.0000 | 0.0000 | 86.025 | 0.11933 | 0.00000 | 376523.1 | 189179.1 | 100632.1 | S |
| 97.292 | 0.0000 | 0.0000 | 86.025 | 0.11932 | 0.00000 | 316523.1 | 189182.7 | 100632.1 | S |
| 97.300 | 0.0000 | 0.0000 | 86.025 | 0.11930 | 0.00000 | 316523.1 | 189186.3 | 100632.1 | S |
| 97.308 | 0.0000 | 0.0000 | 86.025 | 0.11929 | 0.00000 | 316523.1 | 189189.9 | 100632.1 | S |
| 97.317 | 0.0000 | 0.0000 | 86.024 | 0.11928 | 0.00000 | 316523.1 | 189193.5 | 100632.1 | S |
| 97.325 | 0.0000 | 0.0000 | 86.024 | 0.11926 | 0.00000 | 316523.1 | 189197.0 | 100632.1 | S |
| 97.333 | 0.0000 | 0.0000 | 86.024 | 0.11925 | 0.00000 | 316523.1 | 189200.6 | 100632.1 | S |
| 97.342 | 0.0000 | 0.0000 | 86.024 | 0.11923 | 0.00000 | 316523.1 | 189204.2 | 100632.1 | S |
| 97.350 | 0.0000 | 0.0000 | 86.023 | 0.11922 | 0.00000 | 316523.1 | 189207.8 | 100632.1 | S |
| 97.358 | 0.0000 | 0.0000 | 86.023 | 0.11921 | 0.00000 | 316523.1 | 189211.3 | 100632.1 | S |
| 97.367 | 0.0000 | 0.0000 | 86.023 | 0.11919 | 0.00000 | 316523.1 | 189214.9 | 100632.1 | S |
| 97.375 | 0.0000 | 0.0000 | 86.023 | 0.11918 | 0.00000 | 316523.1 | 189218.5 | 100632.1 | S |
| 97.383 | 0.0000 | 0.0000 | 86.023 | 0.11917 | 0.00000 | 316523.1 | $\uparrow 89222.1$ | 100632.1 | S |
| 97.392 | 0.0000 | 0.0000 | 86.022 | 0.11915 | 0.00000 | 316523.1 | 189225.6 | 100632.1 | S |
| 97.400 | 0.0000 | 0.0000 | 86.022 | 0.11914 | 0.00000 | 316523.1 | 189229.2 | 100632.1 | S |
| 97.408 | 0.0000 | 0.0000 | 86.022 | 0.11912 | 0.00000 | 316523.1 | 189232.8 | 100632.1 | S |
| 97.417 | 0.0000 | 0.0000 | 86.022 | 0.11911 | 0.00000 | 316523.1 | 189236.4 | 100632.1 | S |
| 97.425 | 0.0000 | 0.0000 | 86.022 | 0.11910 | 0.00000 | 316523.1 | 189239.9 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / 5}$ ) | Outside Recharge (IUday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{t}^{3 / \mathrm{s}}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 97.433 | 0.0000 | 0.0000 | 86.021 | 0.11908 | 0.00000 | 316523.1 | 189243.5 | 100632.1 | S |
| 97.442 | 0.0000 | 0.0000 | 86.021 | 0.11907 | 0.00000 | 316523.1 | 189247.1 | 100632.1 | S |
| 97.450 | 0.0000 | 0.0000 | 86.021 | 0.11905 | 0.00000 | 316523.1 | 189250.7 | 100632.1 | S |
| 97.458 | 0.0000 | 0.0000 | 86.021 | 0.11904 | 0.00000 | 316523.1 | 189254.2 | 100632.1 | S |
| 97.467 | 0.0000 | 0.0000 | 86.020 | 0.11903 | 0.00000 | 316523.1 | 189257.8 | 100632.1 | S |
| 97.475 | 0.0000 | 0.0000 | 86.020 | 0.11901 | 0.00000 | 316523.1 | 189261.4 | 100632.1 | S |
| 97.483 | 0.0000 | 0.0000 | 86.020 | 0.11900 | 0.00000 | 316523.1 | 189264.9 | 100632.1 | S |
| 97.492 | 0.0000 | 0.0000 | 86.020 | 0.11898 | 0.00000 | 316523.1 | 189268.5 | 100632.1 | S |
| 97.500 | 0.0000 | 0.0000 | 86.020 | 0.11897 | 0.00000 | 316523.1 | 189272.1 | 100632.1 | S |
| 97.508 | 0.0000 | 0.0000 | 86.019 | 0.11896 | 0.00000 | 316523.1 | 189275.6 | 100632.1 | S |
| 97.517 | 0.0000 | 0.0000 | 86.019 | 0.11894 | 0.00000 | 316523.1 | 189279.2 | 100632.1 | S |
| 97.525 | 0.0000 | 0.0000 | 86.019 | 0.11893 | 0.00000 | 316523.1 | 189282.8 | 100632.1 | S |
| 97.533 | 0.0000 | 0.0000 | 86.019 | 0.11892 | 0.00000 | 316523.1 | 189286.3 | 100632.1 | S |
| 97.542 | 0.0000 | 0.0000 | 86.019 | 0.11890 | 0.00000 | 316523.1 | 189289.9 | 100632.1 | S |
| 97.550 | 0.0000 | 0.0000 | 86.018 | 0.11889 | 0.00000 | 316523.1 | 189293.5 | 100632.1 | S |
| 97.558 | 0.0000 | 0.0000 | 86.018 | 0.11887 | 0.00000 | 316523.1 | 189297.0 | 100632.1 | S |
| 97.567 | 0.0000 | 0.0000 | 86.018 | 0.11886 | 0.00000 | 316523.1 | 189300.6 | 100632.1 | S |
| 97.575 | 0.0000 | 0.0000 | 86.018 | 0.11885 | 0.00000 | 316523.1 | 189304.2 | 100632.1 | S |
| 97.583 | 0.0000 | 0.0000 | 86.017 | 0.11883 | 0.00000 | 316523.1 | 189307.8 | 100632.1 | S |
| 97.592 | 0.0000 | 0.0000 | 86.0 亿7 | 0.11882 | 0.00000 | 316523.1 | 189311.3 | 100632.1 | S |
| 97.600 | 0.0000 | 0.0000 | 86.017 | 0.11880 | 0.00000 | 316523.1 | 189314.9 | 100632.1 | S |
| 97.608 | 0.0000 | 0.0000 | 86.017 | 0.11879 | 0.00000 | 316523.1 | 189318.4 | 100632.1 | S |
| 97.617 | 0.0000 | 0.0000 | 86.017 | 0.11878 | 0.00000 | 316523.1 | 189322.0 | 100632.1 | S |
| 97.625 | 0.0000 | 0.0000 | 86.016 | 0.11876 | 0.00000 | 316523.1 | 189325.6 | 100632.1 | S |
| 97.633 | 0.0000 | 0.0000 | 86.016 | 0.11875 | 0.00000 | 316523.1 | 189329.1 | 100632.1 | S |
| 97.642 | 0.0000 | 0.0000 | 86.016 | 0.11874 | 0.00000 | 316523.1 | 189332.7 | 100632.1 | S |
| 97.650 | 0.0000 | 0.0000 | 86.016 | 0.11872 | 0.00000 | 316523.1 | 189336.3 | 100632.1 | S |
| 97.658 | 0.0000 | 0.0000 | 86.015 | 0.11871 | 0.00000 | 316523.1 | 189339.8 | 100632.1 | S |
| 97.667 | 0.0000 | 0.0000 | 86.015 | 0.11869 | 0.00000 | 316523.1 | 189343.4 | 100632.1 | S |
| 97.675 | 0.0000 | 0.0000 | 86.015 | 0.11868 | 0.00000 | 316523.1 | 189346.9 | 100632.1 | S |
| 97.683 | 0.0000 | 0.0000 | 86.015 | 0.11867 | 0.00000 | 316523.1 | 189350.5 | 100632.1 | S |
| 97.692 | 0.0000 | 0.0000 | 86.015 | 0.11865 | 0.00000 | 316523.1 | 189354.0 | 100632.1 | S |
| 97.700 | 0.0000 | 0.0000 | 86.014 | 0.11864 | 0.00000 | 316523.1 | 189357.6 | 100632.1 | S |
| 97.708 | 0.0000 | 0.0000 | 86.014 | 0.11862 | 0.00000 | 316523.1 | 189361.2 | 100632.1 | S |
| 97.717 | 0.0000 | 0.0000 | 86.014 | 0.11861 | 0.00000 | 316523.1 | 189364.7 | 100632.1 | S |
| 97.725 | 0.0000 | 0.0000 | 86.014 | 0.11860 | 0.00000 | 316523.1 | 189368.3 | 100632.1 | S |
| 97.733 | 0.0000 | 0.0000 | 86.014 | 0.11858 | 0.00000 | 316523.1 | 189371.8 | 100632.1 | S |
| 97.742 | 0.0000 | 0.0000 | 86.013 | 0.11857 | 0.00000 | 316523.1 | 189375.4 | 100632.1 | S |
| 97.750 | 0.0000 | 0.0000 | 86.013 | 0.11856 | 0.00000 | 316523.1 | 189379.0 | 100632.1 | S |
| 97.758 | 0.0000 | 0.0000 | 86.013 | 0.11854 | 0.00000 | 316523.1 | 189382.5 | 100632.1 | S |
| 97.767 | 0.0000 | 0.0000 | 86.013 | 0.11853 | 0.00000 | 316523.1 | 189386.1 | 100632.1 | S |
| 97.775 | 0.0000 | 0.0000 | 86.012 | 0.11851 | 0.00000 | 316523.1 | 189389.6 | 100632.1 | S |
| 97.783 | 0.0000 | 0.0000 | 86.012 | 0.11850 | 0.00000 | 316523.1 | 189393.2 | 100632.1 | S |
| 97.792 | 0.0000 | 0.0000 | 86.012 | 0.11849 | 0.00000 | 316523.1 | 189396.7 | 100632.1 | S |
| 97.800 | 0.0000 | 0.0000 | 86.012 | 0.11847 | 0.00000 | 316523.1 | 189400.3 | 100632.1 | S |
| 97.808 | 0.0000 | 0.0000 | 86.012 | 0.11846 | 0.00000 | 316523.1 | 189403.8 | 100632.1 | S |
| 97.817 | 0.0000 | 0.0000 | 86.011 | 0.11845 | 0.00000 | 316523.1 | 189407.4 | 100632.1 | S |
| 97.825 | 0.0000 | 0.0000 | 86.011 | 0.11843 | 0.00000 | 316523.1 | 189411.0 | 100632.1 | S |
| 97.833 | 0.0000 | 0.0000 | 86.011 | 0.11842 | 0.00000 | 316523.1 | 189414.5 | 100632.1 | S |
| 97.842 | 0.0000 | 0.0000 | 86.011 | 0.11840 | 0.00000 | 316523.1 | 189418.1 | 100632.1 | S |
| 97.850 | 0.0000 | 0.0000 | 86.010 | 0.11839 | 0.00000 | 316523.1 | 189421.6 | 100632.1 | S |
| 97.858 | 0.0000 | 0.0000 | 86.010 | 0.11838 | 0.00000 | 316523.1 | 189425.2 | 100632.1 | S |
| 97.867 | 0.0000 | 0.0000 | 86.010 | 0.11836 | 0.00000 | 316523.1 | 189428.7 | 100632.1 | S |
| 97.875 | 0.0000 | 0.0000 | 86.010 | 0.11835 | 0.00000 | 316523.1 | 189432.3 | 100632.1 | S |
| 97.883 | 0.0000 | 0.0000 | 86.010 | 0.11834 | 0.00000 | 316523.1 | 189435.8 | 100632.1 | S |
| 97.892 | 0.0000 | 0.0000 | 86.009 | 0.11832 | 0.00000 | 316523.1 | 189439.4 | 100632.1 | S |
| 97.900 | 0.0000 | 0.0000 | 86.009 | 0.11831 | 0.00000 | 316523.1 | 189442.9 | 100632.1 | S |
| 97.908 | 0.0000 | 0.0000 | 86.009 | 0.11829 | 0.00000 | 316523.1 | 189446.5 | 100632.1 | S |
| 97.917 | 0.0000 | 0.0000 | 86.009 | 0.11828 | 0.00000 | 316523.1 | 189450.0 | 100632.1 | S |
| 97.925 | 0.0000 | 0.0000 | 86.009 | 0.11827 | 0.00000 | 316523.1 | 189453.6 | 100632.1 | S |
| 97.933 | 0.0000 | 0.0000 | 86.008 | 0.11825 | 0.00000 | 316523.1 | 189457.1 | 100632.1 | S |
| 97.942 | 0.0000 | 0.0000 | 86.008 | 0.11824 | 0.00000 | 316523.1 | 189460.7 | 100632.1 | S |
| 97.950 | 0.0000 | 0.0000 | 86.008 | 0.11823 | 0.00000 | 316523.1 | 189464.2 | 100632.1 | S |
| 97.958 | 0.0000 | 0.0000 | 86.008 | 0.11821 | 0.00000 | 316523.1 | 189467.8 | 100632.1 | S |
| 97.967 | 0.0000 | 0.0000 | 86.007 | 0.11820 | 0.00000 | 316523.1 | 189471.3 | 100632.1 | S |
| 97.975 | 0.0000 | 0.0000 | 86.007 | 0.11818 | 0.00000 | 316523.1 | 189474.8 | 100632.1 | S |
| 97.983 | 0.0000 | 0.0000 | 86.007 | 0.11817 | 0.00000 | 316523.1 | 189478.4 | 100632.1 | S |
| 97.992 | 0.0000 | 0.0000 | 86.007 | 0.11816 | 0.00000 | 316523.1 | 189481.9 | 100632.1 | S |
| 98.000 | 0.0000 | 0.0000 | 86.007 | 0.11814 | 0.00000 | 316523.1 | 189485.5 | 100632.1 | S |
| 98.008 | 0.0000 | 0.0000 | 86.006 | 0.11813 | 0.00000 | 316523.1 | 189489.0 | 100632.1 | S |
| 98.017 | 0.0000 | 0.0000 | 86.006 | 0.11812 | 0.00000 | 316523.1 | 189492.6 | 100632.1 | S |
| 98.025 | 0.0000 | 0.0000 | 86.006 | 0.11810 | 0.00000 | 316523.1 | 189496.1 | 100632.1 | S |
| 98.033 | 0.0000 | 0.0000 | 86.006 | 0.11809 | 0.00000 | 316523.1 | 189499.6 | 100632.1 | S |
| 98.042 | 0.0000 | 0.0000 | 86.006 | 0.11807 | 0.00000 | 316523.1 | 189503.2 | $\uparrow 00632.1$ | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/overflow

| Elapsed Time (hours) | inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (tl/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}{ }^{3} / \mathrm{s}$ ) | Cumulative inflow <br> Volume (fts) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 98.050 | 0.0000 | 0.0000 | 86.005 | 0.11806 | 0.00000 | 316523.1 | 189506.7 | 100632.1 | S |
| 98.058 | 0.0000 | 0.0000 | 86.005 | 0.11805 | 0.00000 | 316523.1 | 189510.3 | 100632.1 | S |
| 98.067 | 0.0000 | 0.0000 | 86.005 | 0.11803 | 0.00000 | 316523.1 | 189513.8 | 100632.1 | S |
| 98.075 | 0.0000 | 0.0000 | 86.005 | 0.11802 | 0.00000 | 316523.1 | 189517.4 | 100632.1 | S |
| 98.083 | 0.0000 | 0.0000 | 86.004 | 0.11801 | 0.00000 | 316523.1 | 189520.9 | 100632.1 | S |
| 98.092 | 0.0000 | 0.0000 | 86.004 | 0.11799 | 0.00000 | 316523.1 | 189524.4 | 100632.1 | S |
| 98.100 | 0.0000 | 0.0000 | 86.004 | 0.11798 | 0.00000 | 316523.1 | 189528.0 | 100632.1 | S |
| 98.108 | 0.0000 | 0.0000 | 86.004 | 0.11796 | 0.00000 | 316523.1 | 189531.5 | 100632.1 | S |
| 98.117 | 0.0000 | 0.0000 | 86.004 | 0.11795 | 0.00000 | 316523.1 | 189535.0 | 100632.1 | S |
| 98.125 | 0.0000 | 0.0000 | 86.003 | 0.11794 | 0.00000 | 316523.1 | 189538.6 | 100632.1 | S |
| 98.133 | 0.0000 | 0.0000 | 86.003 | 0.11792 | 0.00000 | 316523.1 | 189542.1 | 100632.1 | S |
| 98.142 | 0.0000 | 0.0000 | 86.003 | 0.11791 | 0.00000 | 316523.1 | 189545.7 | 100632.1 | S |
| 98.150 | 0.0000 | 0.0000 | 86.003 | 0.11790 | 0.00000 | 316523.1 | 189549.2 | 100632.1 | S |
| 98.158 | 0.0000 | 0.0000 | 86.003 | 0.11788 | 0.00000 | 316523.1 | 189552.7 | 100632.1 | S |
| 98.167 | 0.0000 | 0.0000 | 86.002 | 0.11787 | 0.00000 | 316523.1 | 189556.3 | 100632.1 | S |
| 98.175 | 0.0000 | 0.0000 | 86.002 | 0.11785 | 0.00000 | 316523.1 | 189559.8 | 100632.1 | S |
| 98.183 | 0.0000 | 0.0000 | 86.002 | 0.11784 | 0.00000 | 316523.1 | 189563.3 | 100632.1 | S |
| 98.192 | 0.0000 | 0.0000 | 86.002 | 0.11783 | 0.00000 | 316523.1 | 189566.9 | 100632.1 | S |
| 98.200 | 0.0000 | 0.0000 | 86.001 | 0.11781 | 0.00000 | 316523.1 | 189570.4 | 100632.1 | S |
| 98.208 | 0.0000 | 0.0000 | 86.001 | 0.11780 | 0.00000 | 316523.1 | 189574.0 | 100632.1 | S |
| 98.217 | 0.0000 | 0.0000 | 86.001 | 0.11779 | 0.00000 | 316523.1 | 189577.5 | 100632.1 | S |
| 98.225 | 0.0000 | 0.0000 | 86.001 | 0.11777 | 0.00000 | 316523.1 | 189581.0 | 100632.1 | S |
| 98.233 | 0.0000 | 0.0000 | 86.001 | 0.11776 | 0.00000 | 316523.1 | 189584.5 | 100632. 1 | S |
| 98.242 | 0.0000 | 0.0000 | 86.000 | 0.11775 | 0.00000 | 316523.1 | 189588.1 | 100632.3 | S |
| 98.250 | 0.0000 | 0.0000 | 86.000 | 0.11773 | 0.00000 | 316523.1 | 189591.6 | 100632.1 | S |
| 98.258 | 0.0000 | 0.0000 | 86.000 | 0.11772 | 0.00000 | 316523.1 | 189595.1 | 100632.1 | S |
| 98.267 | 0.0000 | 0.0000 | 86.000 | 0.11770 | 0.00000 | 316523.1 | 189598.7 | 100632.1 | S |
| 98.275 | 0.0000 | 0.0000 | 86.000 | 0.11769 | 0.00000 | 316523.1 | 189602.2 | 100632.1 | S |
| 98.283 | 0.0000 | 0.0000 | 85.999 | 0.11768 | 0.00000 | 316523.1 | 189605.7 | 100632.1 | S |
| 98.292 | 0.0000 | 0.0000 | 85.999 | 0.11766 | 0.00000 | 316523.1 | 189609.3 | 100632.1 | S |
| 98.300 | 0.0000 | 0.0000 | 85.999 | 0.11765 | 0.00000 | 316523.1 | 189612.8 | 100632.1 | S |
| 98.308 | 0.0000 | 0.0000 | 85.999 | 0.11764 | 0.00000 | 316523.1 | 189616.3 | 100632.1 | S |
| 98.317 | 0.0000 | 0.0000 | 85.998 | 0.11762 | 0.00000 | 316523.1 | 189619.9 | 100632.1 | S |
| 98.325 | 0.0000 | 0.0000 | 85.998 | 0.11761 | 0.00000 | 316523.1 | 189623.4 | 100632.1 | S |
| 98.333 | 0.0000 | 0.0000 | 85.998 | 0.11760 | 0.00000 | 316523.1 | 189626.9 | 100632.1 | S |
| 98.342 | 0.0000 | 0.0000 | 85.998 | 0.11758 | 0.00000 | 316523.1 | 189630.4 | 100632.1 | S |
| 98.350 | 0.0000 | 0.0000 | 85.998 | 0.11757 | 0.00000 | 316523.1 | 189634.0 | 100632.1 | S |
| 98.358 | 0.0000 | 0.0000 | 85.997 | 0.11755 | 0.00000 | 316523.1 | 189637.5 | 100632.1 | S |
| 98.367 | 0.0000 | 0.0000 | 85.997 | 0.11754 | 0.00000 | 316523.1 | 189641.0 | 100632.1 | S |
| 98.375 | 0.0000 | 0.0000 | 85.997 | 0.11753 | 0.00000 | 316523.1 | 189644.5 | 100632.1 | S |
| 98.383 | 0.0000 | 0.0000 | 85.997 | 0.11751 | 0.00000 | 316523.1 | 189648.1 | 100632.1 | S |
| 98.392 | 0.0000 | 0.0000 | 85.996 | 0.11750 | 0.00000 | 316523.1 | 189651.6 | 100632.1 | S |
| 98.400 | 0.0000 | 0.0000 | 85.996 | 0.11749 | 0.00000 | 316523.1 | 189655.1 | 100632.1 | S |
| 98.408 | 0.0000 | 0.0000 | 85.996 | 0.11747 | 0.00000 | 316523.1 | 189658.7 | 100632.1 | S |
| 98.417 | 0.0000 | 0.0000 | 85.996 | 0.11746 | 0.00000 | 316523.1 | 189662.2 | 100632.1 | S |
| 98.425 | 0.0000 | 0.0000 | 85.996 | 0.11745 | 0.00000 | 316523.1 | 189665.7 | ¢00632.1 | S |
| 98.433 | 0.0000 | 0.0000 | 85.995 | 0.11743 | 0.00000 | 316523.1 | 189669.2 | 100632.1 | S |
| 98.442 | 0.0000 | 0.0000 | 85.995 | 0.11742 | 0.00000 | 316523.1 | 189672.8 | 100632.1 | S |
| 98.450 | 0.0000 | 0.0000 | 85.995 | 0.11741 | 0.00000 | 316523.1 | 189676.3 | 100632.1 | S |
| 98.458 | 0.0000 | 0.0000 | 85.995 | 0.11739 | 0.00000 | 316523.1 | 189679.8 | 100632.1 | S |
| 98.467 | 0.0000 | 0.0000 | 85.995 | 0.11738 | 0.00000 | 316523.1 | 189683.3 | 100632.7 | S |
| 98.475 | 0.0000 | 0.0000 | 85.994 | 0.11736 | 0.00000 | 316523.1 | 189686.8 | 100632.1 | S |
| 98.483 | 0.0000 | 0.0000 | 85.994 | 0.11735 | 0.00000 | 316523.1 | 189690.3 | 100632.1 | S |
| 98.492 | 0.0000 | 0.0000 | 85.994 | 0.11734 | 0.00000 | 316523.1 | 189693.9 | 100632.1 | S |
| 98.500 | 0.0000 | 0.0000 | 85.994 | 0.11732 | 0.00000 | 316523.1 | 189697.4 | 100632.1 | S |
| 98.508 | 0.0000 | 0.0000 | 85.993 | 0.11731 | 0.00000 | 316523.1 | 189700.9 | 100632.1 | S |
| 98.517 | 0.0000 | 0.0000 | 85.993 | 0.11730 | 0.00000 | 316523.1 | 189704.4 | 100632.1 | S |
| 98.525 | 0.0000 | 0.0000 | 85.993 | 0.11728 | 0.00000 | 316523.1 | 189708.0 | 100632.1 | S |
| 98.533 | 0.0000 | 0.0000 | 85.993 | 0.11727 | 0.00000 | 316523.1 | 189711.5 | 100632.1 | S |
| 98.542 | 0.0000 | 0.0000 | 85.993 | 0.11726 | 0.00000 | 316523.1 | 189715.0 | 100632.1 | S |
| 98.550 | 0.0000 | 0.0000 | 85,992 | 0.11724 | 0.00000 | 316523.1 | 189718.5 | 100632.1 | S |
| 98.558 | 0.0000 | 0.0000 | 85.992 | 0.11723 | 0.00000 | 316523.1 | 189722.0 | 100632.1 | S |
| 98.567 | 0.0000 | 0.0000 | 85.992 | 0.11722 | 0.00000 | 316523.1 | 189725.5 | 100632.1 | S |
| 98.575 | 0.0000 | 0.0000 | 85.992 | 0.11720 | 0.00000 | 316523.1 | 189729.0 | 100632.1 | S |
| 98.583 | 0.0000 | 0.0000 | 85.992 | 0.11719 | 0.00000 | 316523.1 | 189732.6 | 100632.1 | S |
| 98.592 | 0.0000 | 0.0000 | 85.991 | 0.11717 | 0.00000 | 316523.1 | 189736.1 | 100632.1 | S |
| 98.600 | 0.0000 | 0.0000 | 85.991 | 0.11716 | 0.00000 | 316523.1 | 189739.6 | 100632.1 | S |
| 98.608 | 0.0000 | 0.0000 | 85.991 | 0.11715 | 0.00000 | 316523.1 | 189743.1 | 100632.1 | S |
| 98.617 | 0.0000 | 0.0000 | 85.991 | 0.11713 | 0.00000 | 316523.1 | 189746.6 | 100632.1 | S |
| 98.625 | 0.0000 | 0.0000 | 85.990 | 0.11712 | 0.00000 | 316523.1 | 189750.1 | 100632.1 | S |
| 98.633 | 0.0000 | 0.0000 | 85.990 | 0.11711 | 0.00000 | 316523.1 | 189753.7 | 100632.1 | S |
| 98.642 | 0.0000 | 0.0000 | 85.990 | 0.11709 | 0.00000 | 316523.1 | 189757.2 | 100632.1 | S |
| 98.650 | 0.0000 | 0.0000 | 85.990 | 0.11708 | 0.00000 | 316523.1 | 189760.7 | 100632.1 | S |
| 98.658 | 0.0000 | 0.0000 | 85.990 | 0.11707 | 0.00000 | 316523.1 | $\ddagger 89764.2$ | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (f/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 98.667 | 0.0000 | 0.0000 | 85.989 | 0.11705 | 0.00000 | 316523.1 | 189767.7 | 100632.1 | S |
| 98.675 | 0.0000 | 0.0000 | 85.989 | 0.11704 | 0.00000 | 316523.1 | 189771.2 | 100632.1 | S |
| 98.683 | 0.0000 | 0.0000 | 85.989 | 0.11703 | 0.00000 | 316523.1 | 189774.7 | 100632.1 | S |
| 98.692 | 0.0000 | 0.0000 | 85.989 | 0.11701 | 0.00000 | 316523.1 | 189778.2 | 100632.1 | S |
| 98.700 | 0.0000 | 0.0000 | 85.989 | 0.11700 | 0.00000 | 316523.1 | 189781.8 | 100632.1 | S |
| 98.708 | 0.0000 | 0.0000 | 85.988 | 0.11698 | 0.00000 | 316523.1 | 189785.3 | 100832.1 | S |
| 98.717 | 0.0000 | 0.0000 | 85.988 | 0.11697 | 0.00000 | 316523.1 | 189788.8 | 100632.1 | S |
| 98.725 | 0.0000 | 0.0000 | 85.988 | 0.11696 | 0.00000 | 316523.1 | 189792.3 | 100632.1 | S |
| 98.733 | 0.0000 | 0.0000 | 85.988 | 0.11694 | 0.00000 | 316523.1 | 189795.8 | 100632.1 | S |
| 98.742 | 0.0000 | 0.0000 | 85.987 | 0.11693 | 0.00000 | 316523.1 | 189799.3 | 100632.1 | S |
| 98.750 | 0.0000 | 0.0000 | 85.987 | 0.11692 | 0.00000 | 316523.1 | 189802.8 | 100632.1 | S |
| 98.758 | 0.0000 | 0.0000 | 85.987 | 0.11690 | 0.00000 | 316523.1 | 189806.3 | 100632.1 | S |
| 98.767 | 0.0000 | 0.0000 | 85.987 | 0.11689 | 0.00000 | 316523.1 | 189809.8 | 100632.1 | S |
| 98.775 | 0.0000 | 0.0000 | 85.987 | 0.11688 | 0.00000 | 316523.1 | 189813.3 | 100632.1 | S |
| 98.783 | 0.0000 | 0.0000 | 85.986 | 0.11686 | 0.00000 | 316523.1 | 189816.8 | 100632.1 | S |
| 98.792 | 0.0000 | 0.0000 | 85.986 | 0.11685 | 0.00000 | 316523.1 | 189820.3 | 100632.1 | S |
| 98.800 | 0.0000 | 0.0000 | 85.986 | 0.11684 | 0.00000 | 316523.1 | 189823.8 | 100632.1 | S |
| 98.808 | 0.0000 | 0.0000 | 85.986 | 0.11682 | 0.00000 | 316523.1 | 189827.3 | 100632.1 | S |
| 98.817 | 0.0000 | 0.0000 | 85.986 | 0.11681 | 0.00000 | 316523.1 | 189830.8 | 100632.1 | S |
| 98.825 | 0.0000 | 0.0000 | 85.985 | 0.11680 | 0.00000 | 316523.1 | 189834.3 | 100632.1 | S |
| 98.833 | 0.0000 | 0.0000 | 85.985 | 0.11678 | 0.00000 | 316523.1 | 189837.9 | 100632.1 | S |
| 98.842 | 0.0000 | 0.0000 | 85.985 | 0.11677 | 0.00000 | 316523.1 | 189841.4 | 100632.1 | S |
| 98.850 | 0.0000 | 0.0000 | 85.985 | 0.11676 | 0.00000 | 316523.1 | 189844.9 | 100632.1 | S |
| 98.858 | 0.0000 | 0.0000 | 85.984 | 0.11674 | 0.00000 | 316523.1 | 189848.4 | 100632.1 | S |
| 98.867 | 0.0000 | 0.0000 | 86.984 | 0.11673 | 0.00000 | 316523.1 | 189851.9 | 100632.1 | S |
| 98.875 | 0.0000 | 0.0000 | 85.984 | 0.11672 | 0.00000 | 316523.1 | 189855.4 | 100632.1 | S |
| 98.883 | 0.0000 | 0.0000 | 85.984 | 0.11670 | 0.00000 | 316523.1 | 189858.9 | 100632.1 | S |
| 98,892 | 0.0000 | 0.0000 | 85.984 | 0.11669 | 0.00000 | 316523.1 | 189862.4 | 100632.1 | S |
| 98.900 | 0.0000 | 0.0000 | 85.983 | 0.11667 | 0.00000 | 316523.1 | 189865.9 | 100632.1 | S |
| 98.908 | 0.0000 | 0.0000 | 85.983 | 0.11666 | 0.00000 | 316523.1 | 189869.4 | 100632.1 | S |
| 98.917 | 0.0000 | 0.0000 | 85.983 | 0.11665 | 0.00000 | 316523.1 | 189872.9 | 100632.1 | S |
| 98.925 | 0.0000 | 0.0000 | 85.983 | 0.11663 | 0.00000 | 316523.1 | 189876.4 | 100632.1 | S |
| 98.933 | 0.0000 | 0.0000 | 85.983 | 0.11662 | 0.00000 | 316523.1 | 189879.9 | 100632.1 | S |
| 98.942 | 0.0000 | 0.0000 | 85.982 | 0.11661 | 0.00000 | 316523.1 | 189883.4 | 100632.1 | S |
| 98.950 | 0.0000 | 0.0000 | 85.982 | 0.11659 | 0.00000 | 316523.1 | 189886.9 | 100632.1 | S |
| 98.958 | 0.0000 | 0.0000 | 85.982 | 0.11658 | 0.00000 | 316523.1 | 189890.4 | 100632.1 | S |
| 98.967 | 0.0000 | 0.0000 | 85.982 | 0.11657 | 0.00000 | 316523.1 | 189893.9 | 100632.1 | S |
| 98.975 | 0.0000 | 0.0000 | 85.981 | 0.11655 | 0.00000 | 316523.1 | 189897.4 | 100632.1 | S |
| 98.983 | 0.0000 | 0.0000 | 85.981 | 0.11654 | 0.00000 | 316523.1 | 189900.8 | 100632.1 | S |
| 98.992 | 0.0000 | 0.0000 | 85.981 | 0.11653 | 0.00000 | 316523.1 | 189904.3 | 100632.1 | S |
| 99.000 | 0.0000 | 0.0000 | 85.981 | 0.11651 | 0.00000 | 316523.1 | 189907.8 | 100632.1 | S |
| 99.008 | 0.0000 | 0.0000 | 85.981 | 0.11650 | 0.00000 | 316523.1 | 189911.3 | 100632.1 | S |
| 99.017 | 0.0000 | 0.0000 | 85.980 | 0.11649 | 0.00000 | 316523.1 | 189914.8 | 100632.1 | S |
| 99.025 | 0.0000 | 0.0000 | 85.980 | 0.11647 | 0.00000 | 316523.1 | 189918.3 | 100632.1 | S |
| 99.033 | 0.0000 | 0.0000 | 85.980 | 0.11646 | 0.00000 | 316523.1 | 189921.8 | 100632.1 | S |
| 99.042 | 0.0000 | 0.0000 | 85.980 | 0.11645 | 0.00000 | 316523.1 | 189925.3 | 100632.1 | S |
| 99.050 | 0.0000 | 0.0000 | 85.980 | 0.11643 | 0.00000 | 316523.1 | 189928.8 | 100632.1 | S |
| 99.058 | 0.0000 | 0.0000 | 85.979 | 0.11642 | 0.00000 | 316523.1 | 189932.3 | 100632.1 | S |
| 99.067 | 0.0000 | 0.0000 | 85.979 | 0.11641 | 0.00000 | 316523.1 | 189935.8 | 100632.1 | S |
| 99.075 | 0.0000 | 0.0000 | 85.979 | 0.11639 | 0.00000 | 316523.1 | 189939.3 | 100632.1 | S |
| 99.083 | 0.0000 | 0.0000 | 85.979 | 0.11638 | 0.00000 | 316523.1 | 189942.8 | 100632.1 | S |
| 99.092 | 0.0000 | 0.0000 | 85.978 | 0.11637 | 0.00000 | 316523.1 | 189946.3 | 100632.1 | S |
| 99.100 | 0.0000 | 0.0000 | 85.978 | 0.11635 | 0.00000 | 316523.1 | 189949.8 | 100632.1 | S |
| 99.108 | 0.0000 | 0.0000 | 85.978 | 0.11634 | 0.00000 | 316523.1 | 189953.3 | 100632.1 | S |
| 99.117 | 0.0000 | 0.0000 | 85.978 | 0.11633 | 0.00000 | 316523.1 | 189956.7 | 100632.1 | S |
| 99.125 | 0.0000 | 0.0000 | 85.978 | 0.11631 | 0.00000 | 316523.1 | 189960.2 | 100632.1 | S |
| 99.133 | 0.0000 | 0.0000 | 85.977 | 0.11630 | 0.00000 | 316523.1 | 189963.7 | 100632.1 | S |
| 99.142 | 0.0000 | 0.0000 | 85.977 | 0.11629 | 0.00000 | 316523.1 | 189967.2 | 100632.1 | S |
| 99.150 | 0.0000 | 0.0000 | 85.977 | 0.11627 | 0.00000 | 316523.1 | 189970.7 | 100632.1 | S |
| 99.158 | 0.0000 | 0.0000 | 85.977 | 0.11626 | 0.00000 | 316523.1 | 189974.2 | 100632.1 | S |
| 99.167 | 0.0000 | 0.0000 | 85.977 | 0.11625 | 0.00000 | 316523.1 | 189977.7 | 100632.1 | S |
| 99.175 | 0.0000 | 0.0000 | 85.976 | 0.11623 | 0.00000 | 316523.1 | 189981.2 | 100632.1 | S |
| 99.183 | 0.0000 | 0.0000 | 85.976 | 0.11622 | 0.00000 | 316523.1 | 189984.6 | 100632.1 | S |
| 99.192 | 0.0000 | 0.0000 | 85.976 | 0.11620 | 0.00000 | 316523.1 | 189988.1 | 100632.1 | S |
| 99.200 | 0.0000 | 0.0000 | 85.976 | 0.11619 | 0.00000 | 316523.1 | 189991.6 | 100632.1 | S |
| 99.208 | 0.0000 | 0.0000 | 85.976 | 0.11618 | 0.00000 | 316523.1 | 189995.1 | 100632.1 | S |
| 99.217 | 0.0000 | 0.0000 | 85.975 | 0.11616 | 0.00000 | 316523.1 | 189998.6 | 100632.1 | S |
| 99.225 | 0.0000 | 0.0000 | 85.975 | 0.11615 | 0.00000 | 316523.1 | 190002.1 | 100632.1 | S |
| 99.233 | 0.0000 | 0.0000 | 85.975 | 0.11614 | 0.00000 | 316523.1 | 190005.6 | 100632.1 | S |
| 99.242 | 0.0000 | 0.0000 | 85.975 | 0.11612 | 0.00000 | 316523.1 | 190009.0 | 100632.1 | S |
| 99.250 | 0.0000 | 0.0000 | 85.974 | 0.11611 | 0.00000 | 316523.1 | 190012.5 | 100632.1 | S |
| 99.258 | 0.0000 | 0.0000 | 85.974 | 0.11610 | 0.00000 | 316523.1 | 190016.0 | 100632.1 | S |
| 99.267 | 0.0000 | 0.0000 | 85.974 | 0.11608 | 0.00000 | 316523.1 | 190019.5 | 100632.1 | S |
| 99.275 | 0.0000 | 0.0000 | 85.974 | 0.11607 | 0.00000 | 316523.1 | 190023.0 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Infow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (fvday) | Stage Elevation (ft datum) | Inflltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / 5}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 99.283 | 0.0000 | 0.0000 | 85.974 | 0.11606 | 0.00000 | 316523.1 | 190026.5 | 100632.1 | S |
| 99.292 | 0.0000 | 0.0000 | 85.973 | 0.11604 | 0.00000 | 316523.1 | 190029.9 | 100632.1 | S |
| 99.300 | 0.0000 | 0.0000 | 85.973 | 0.11603 | 0.00000 | 316523.1 | 190033.4 | 100632.1 | S |
| 99.308 | 0.0000 | 0.0000 | 85.973 | 0.11602 | 0.00000 | 316523.1 | 190036.9 | 100632.1 | S |
| 99.317 | 0.0000 | 0.0000 | 85.973 | 0.11600 | 0.00000 | 316523.1 | 190040.4 | 100632.1 | S |
| 99.325 | 0.0000 | 0.0000 | 85.973 | 0.11599 | 0.00000 | 316523.1 | 190043.9 | 100632.1 | S |
| 99.333 | 0.0000 | 0.0000 | 85.972 | 0.11598 | 0.00000 | 316523.1 | 190047.3 | 100632.1 | S |
| 99.342 | 0.0000 | 0.0000 | 85.972 | 0.11596 | 0.00000 | 316523.1 | 190050.8 | 100632.1 | S |
| 99.350 | 0.0000 | 0.0000 | 85.972 | 0.11595 | 0.00000 | 316523.1 | 190054.3 | 100632.1 | S |
| 99.358 | 0.0000 | 0.0000 | 85.972 | 0.11594 | 0.00000 | 316523.1 | 190057.8 | 100632.1 | S |
| 99.367 | 0.0000 | 0.0000 | 85.971 | 0.11592 | 0.00000 | 316523.1 | 190061.3 | 100632.1 | S |
| 99.375 | 0.0000 | 0.0000 | 85.971 | 0.11591 | 0.00000 | 316523.1 | 190064.7 | 100632.1 | S |
| 99.383 | 0.0000 | 0.0000 | 85.971 | 0.11590 | 0.00000 | 316523.1 | 190068.2 | 100632.1 | S |
| 99.392 | 0.0000 | 0.0000 | 85.971 | 0.11588 | 0.00000 | 316523.1 | 190071.7 | 100632.1 | S |
| 99.400 | 0.0000 | 0.0000 | 85.971 | 0.11587 | 0.00000 | 316523.1 | 190075.2 | 100632.1 | S |
| 99.408 | 0.0000 | 0.0000 | 85.970 | 0.11586 | 0.00000 | 316523.1 | 190078.6 | 100632.1 | S |
| 99.417 | 0.0000 | 0.0000 | 85.970 | 0.11584 | 0.00000 | 316523.1 | 190082.1 | 100632.1 | S |
| 99.425 | 0.0000 | 0.0000 | 85.970 | 0.11583 | 0.00000 | 316523.1 | 190085.6 | 100632.1 | S |
| 99.433 | 0.0000 | 0.0000 | 85.970 | 0.11582 | 0.00000 | 316523.1 | 190089.1 | 100632.1 | S |
| 99.442 | 0.0000 | 0.0000 | 85.970 | 0.11580 | 0.00000 | 316523.1 | 190092.5 | 100632.1 | S |
| 99.450 | 0.0000 | 0.0000 | 85.969 | 0.11579 | 0.00000 | 316523.1 | 190096.0 | 100632.1 | S |
| 99.458 | 0.0000 | 0.0000 | 85.969 | 0.11578 | 0.00000 | 316523.1 | 190099.5 | 100632.1 | S |
| 99.467 | 0.0000 | 0.0000 | 85.969 | 0.11576 | 0.00000 | 316523.1 | 190103.0 | 100632.1 | S |
| 99.475 | 0.0000 | 0.0000 | 85.969 | 0.11575 | 0.00000 | 316523.1 | 190106.4 | 100632.1 | S |
| 99.483 | 0.0000 | 0.0000 | 85.968 | 0.11574 | 0.00000 | 316523.1 | 190109.9 | 100632.1 | S |
| 99.492 | 0.0000 | 0.0000 | 85.968 | 0.11572 | 0.00000 | 316523.1 | 190113.4 | 100632.1 | S |
| 99.500 | 0.0000 | 0.0000 | 85.968 | 0.14574 | 0.00000 | 316523.1 | 190116.8 | 100632.1 | S |
| 99.508 | 0.0000 | 0.0000 | 85.968 | 0.11570 | 0.00000 | 316523.1 | 190120.3 | 100632.1 | S |
| 99.517 | 0.0000 | 0.0000 | 85.968 | 0.11568 | 0.00000 | 316523.1 | 190123.8 | 100632.1 | S |
| 99.525 | 0.0000 | 0.0000 | 85.967 | 0.11567 | 0.00000 | 316523.1 | 190127.3 | 100632.1 | S |
| 99.533 | 0.0000 | 0.0000 | 85.967 | 0.11566 | 0.00000 | 316523.1 | 190130.7 | 100632.1 | S |
| 99.542 | 0.0000 | 0.0000 | 85.967 | 0.11565 | 0.00000 | 316523.1 | 190134.2 | 100632.1 | S |
| 99.550 | 0.0000 | 0.0000 | 85.967 | 0.11563 | 0.00000 | 316523.1 | 190137.7 | 100632.1 | S |
| 99.558 | 0.0000 | 0.0000 | 85.967 | 0.11562 | 0.00000 | 316523.1 | 190141.1 | 100632.1 | S |
| 99.567 | 0.0000 | 0.0000 | 85.966 | 0.11561 | 0.00000 | 316523.1 | 190144.6 | 100632.1 | S |
| 99.575 | 0.0000 | 0.0000 | 85.966 | 0.11559 | 0.00000 | 316523.1 | 190148.1 | 100632.1 | S |
| 99.583 | 0.0000 | 0.0000 | 85.966 | 0.11558 | 0.00000 | 316523.1 | 190151.5 | 100632.1 | S |
| 99.592 | 0.0000 | 0.0000 | 85.966 | 0.11557 | 0.00000 | 316523.1 | 190155.0 | 100632.1 | S |
| 99.600 | 0.0000 | 0.0000 | 85.965 | 0.11555 | 0.00000 | 316523.1 | 190158.5 | 100632.1 | S |
| 99.608 | 0.0000 | 0.0000 | 85.965 | 0.11554 | 0.00000 | 316523.1 | 190161.9 | 100632.1 | S |
| 99.617 | 0.0000 | 0.0000 | 85.965 | 0.11553 | 0.00000 | 316523.1 | 190165.4 | 100632.1 | S |
| 99.625 | 0.0000 | 0.0000 | 85.965 | 0.11551 | 0.00000 | 316523.1 | 190168.9 | 100632.1 | S |
| 99.633 | 0.0000 | 0.0000 | 85.965 | 0.11550 | 0.00000 | 316523.1 | 190172.3 | 100632.1 | S |
| 99.642 | 0.0000 | 0.0000 | 85.964 | 0.11549 | 0.00000 | 316523.1 | 190175.8 | 100632.1 | S |
| 99.650 | 0.0000 | 0.0000 | 85.964 | 0.11547 | 0.00000 | 316523.1 | 190179.3 | 100632.1 | S |
| 99.658 | 0.0000 | 0.0000 | 85.964 | 0.11546 | 0.00000 | 316523.1 | 190182.7 | 100632.1 | S |
| 99.667 | 0.0000 | 0.0000 | 85.964 | 0.11545 | 0.00000 | 316523.1 | 190186.2 | 100632.1 | S |
| 99.675 | 0.0000 | 0.0000 | 85.964 | 0.11543 | 0.00000 | 316523.1 | 190189.7 | 100632.1 | S |
| 99.683 | 0.0000 | 0.0000 | 85.963 | 0.11542 | 0.00000 | 316523.1 | 190193.1 | 100632.1 | S |
| 99.692 | 0.0000 | 0.0000 | 85.963 | 0.11541 | 0.00000 | 316523.1 | 190196.6 | 100632.1 | S |
| 99.700 | 0.0000 | 0.0000 | 85.963 | 0.11539 | 0.00000 | 316523.1 | 190200.0 | 100632.1 | S |
| 99.708 | 0.0000 | 0.0000 | 85.963 | 0.11538 | 0.00000 | 316523.1 | 190203.5 | 100632.1 | S |
| 99.717 | 0.0000 | 0.0000 | 85.963 | 0.11537 | 0.00000 | 316523.1 | 190207.0 | 100632.1 | S |
| 99.725 | 0.0000 | 0.0000 | 85.962 | 0.11535 | 0.00000 | 316523.1 | 190210.4 | 100632.1 | S |
| 99.733 | 0.0000 | 0.0000 | 85.962 | 0.11534 | 0.00000 | 316523.1 | 190213.9 | 100632.1 | S |
| 99.742 | 0.0000 | 0.0000 | 85.962 | 0.11533 | 0.00000 | 316523.1 | 190217.3 | 100632.1 | S |
| 99.750 | 0.0000 | 0.0000 | 85.962 | 0.11531 | 0.00000 | 316523.1 | 190220.8 | 100632.1 | S |
| 99.758 | 0.0000 | 0.0000 | 85.961 | 0.11530 | 0.00000 | 316523.1 | 190224.3 | 100632.1 | S |
| 99.767 | 0.0000 | 0.0000 | 85.961 | 0.11529 | 0.00000 | 316523.1 | 190227.7 | 100632.1 | S |
| 99.775 | 0.0000 | 0.0000 | 85.961 | 0.11527 | 0.00000 | 316523.1 | 190231.2 | 100632.1 | S |
| 99.783 | 0.0000 | 0.0000 | 85.961 | 0.11526 | 0.00000 | 316523.1 | 190234.6 | 100632.1 | S |
| 99.792 | 0.0000 | 0.0000 | 85.961 | 0.11525 | 0.00000 | 316523.1 | 190238.1 | 100632.1 | S |
| 99.800 | 0.0000 | 0.0000 | 85.960 | 0.11523 | 0.00000 | 316523.1 | 190241.5 | 100632.1 | S |
| 99.808 | 0.0000 | 0.0000 | 85.960 | 0.11522 | 0.00000 | 316523.1 | 190245.0 | 100632.1 | S |
| 99.817 | 0.0000 | 0.0000 | 85.960 | 0.11521 | 0.00000 | 316523.1 | 190248.5 | 100632.1 | S |
| 99.825 | 0.0000 | 0.0000 | 85.960 | 0.11519 | 0.00000 | 316523.1 | 190251.9 | 100632.1 | S |
| 99.833 | 0.0000 | 0.0000 | 85.960 | 0.11518 | 0.00000 | 316523.1 | 190255.4 | 100632.1 | S |
| 99.842 | 0.0000 | 0.0000 | 85.959 | 0.11517 | 0.00000 | 316523.1 | 190258.8 | 100632.1 | S |
| 99.850 | 0.0000 | 0.0000 | 85.959 | 0.11516 | 0.00000 | 316523.1 | 190262.3 | 100632.1 | S |
| 99.858 | 0.0000 | 0.0000 | 85.959 | 0.11514 | 0.00000 | 316523.1 | 190265.8 | 100632.1 | S |
| 99.867 | 0.0000 | 0.0000 | 85.959 | 0.11513 | 0.00000 | 316523.1 | 190269.2 | 100632.1 | S |
| 99.875 | 0.0000 | 0.0000 | 85.958 | 0.11512 | 0.00000 | 316523.1 | 190272.7 | 100632.1 | S |
| 99.883 | 0.0000 | 0.0000 | 85.958 | 0.11510 | 0.00000 | 316523.1 | 190276.1 | 100632.1 | S |
| 99.892 | 0.0000 | 0.0000 | 85.958 | 0.11509 | 0.00000 | 316523.1 | 190279.6 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / 5}$ ) | Outside Recharge (fl/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{H}^{3 / \mathrm{s}}$ ) | Overfow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 99.900 | 0.0000 | 0.0000 | 85.958 | 0.11508 | 0.00000 | 316523.1 | 190283.0 | 100632.1 | S |
| 99.908 | 0.0000 | 0.0000 | 85.958 | 0.11506 | 0.00000 | 316523.1 | 190286.5 | 100632.1 | S |
| 99.917 | 0.0000 | 0.0000 | 85.957 | 0.11505 | 0.00000 | 316523.1 | 190289.9 | 100632.1 | S |
| 99.925 | 0.0000 | 0.0000 | 85.957 | 0.11504 | 0.00000 | 316523.1 | 190293.4 | 100632.1 | S |
| 99.933 | 0.0000 | 0.0000 | 85.957 | 0.11502 | 0.00000 | 316523.1 | 190296.8 | 100632.1 | S |
| 99.942 | 0.0000 | 0.0000 | 85.957 | 0.11501 | 0.00000 | 316523.1 | 190300.3 | 100632.1 | S |
| 99.950 | 0.0000 | 0.0000 | 85.957 | 0.11500 | 0.00000 | 316523.1 | 190303.7 | 100632.1 | S |
| 99.958 | 0.0000 | 0.0000 | 85.956 | 0.11498 | 0.00000 | 316523.1 | 190307.2 | 100632.1 | S |
| 99.967 | 0.0000 | 0.0000 | 85.956 | 0.11497 | 0.00000 | 316523.1 | 190310.6 | 100632.1 | S |
| 99.975 | 0.0000 | 0.0000 | 85.956 | 0.11496 | 0.00000 | 316523.1 | 190314.1 | 100632.1 | S |
| 99.983 | 0.0000 | 0.0000 | 85.956 | 0.11494 | 0,00000 | 316523.1 | 190317.5 | 100632.1 | S |
| 99.992 | 0.0000 | 0.0000 | 85.956 | 0.11493 | 0.00000 | 316523.1 | 190321.0 | 100632.1 | S |
| 100.000 | 0.0000 | 0.0000 | 85.955 | 0.11492 | 0.00000 | 316523.1 | 190324.4 | 100632.1 | S |
| 100.008 | 0.0000 | 0.0000 | 85.955 | 0.11491 | 0.00000 | 316523.1 | 190327.9 | 100632.1 | S |
| 100.017 | 0.0000 | 0.0000 | 85.955 | 0.11489 | 0.00000 | 316523.1 | 190331.3 | 100632.1 | S |
| 100.025 | 0.0000 | 0.0000 | 85.955 | 0.11488 | 0.00000 | 316523.1 | 190334.8 | 100632.1 | S |
| 100.033 | 0.0000 | 0.0000 | 85.954 | 0.11487 | 0.00000 | 316523.1 | 190338.2 | 100632.1 | S |
| 100.042 | 0.0000 | 0.0000 | 85.954 | 0.11485 | 0.00000 | 316523.1 | 190341.6 | 100632.1 | S |
| 100.050 | 0.0000 | 0.0000 | 85.954 | 0.11484 | 0.00000 | 316523.1 | 190345.1 | 100632.1 | S |
| 100.058 | 0.0000 | 0.0000 | 85.954 | 0.11483 | 0.00000 | 316523.1 | 190348.5 | 100632.1 | S |
| 100.067 | 0.0000 | 0.0000 | 85.954 | 0.11481 | 0.00000 | 316523.1 | 190352.0 | 100632.1 | S |
| 100.075 | 0.0000 | 0.0000 | 85.953 | 0.11480 | 0.00000 | 316523.1 | 190355.4 | 100632.1 | S |
| 100.083 | 0.0000 | 0.0000 | 85.953 | 0.11479 | 0.00000 | 316523.1 | 190358.9 | 100632.1 | S |
| 100.092 | 0.0000 | 0.0000 | 85.953 | 0.11477 | 0.00000 | 316523.1 | 190362.3 | 100632.1 | S |
| 100.100 | 0.0000 | 0.0000 | 85.953 | 0.11476 | 0.00000 | 316523.1 | 190365.8 | 100632.1 | S |
| 100.108 | 0.0000 | 0.0000 | 85.953 | 0.11475 | 0.00000 | 316523.1 | 190369.2 | 100632.1 | S |
| 100.117 | 0.0000 | 0.0000 | 85.952 | 0.11473 | 0.00000 | 316523.1 | 190372.6 | 100632.1 | S |
| 100.125 | 0.0000 | 0.0000 | 85.952 | 0.11472 | 0.00000 | 316523.1 | 190376.1 | 100632.1 | S |
| 100.133 | 0.0000 | 0.0000 | 85.952 | 0.11471 | 0.00000 | 316523.1 | 190379.5 | 100632.1 | S |
| 100.142 | 0.0000 | 0.0000 | 85.952 | 0.11469 | 0.00000 | 316523.1 | 190383.0 | 100632.1 | S |
| 100.150 | 0.0000 | 0.0000 | 85.951 | 0.11468 | 0.00000 | 316523.1 | 190386.4 | 100632.1 | S |
| 100.158 | 0.0000 | 0.0000 | 85.951 | 0.11467 | 0.00000 | 316523.1 | 190389.8 | 100632.1 | S |
| 100.167 | 0.0000 | 0.0000 | 85.951 | 0.11466 | 0.00000 | 316523.1 | 190393.3 | 100632.1 | S |
| 100.175 | 0.0000 | 0.0000 | 85.951 | 0.11464 | 0.00000 | 316523.1 | 190396.7 | 100632.1 | S |
| 100.183 | 0.0000 | 0.0000 | 85.951 | 0.14463 | 0.00000 | 316523.1 | 190400.2 | 100632.1 | S |
| 100.192 | 0.0000 | 0.0000 | 85.950 | 0.11462 | 0.00000 | 316523.1 | 190403.6 | 100632.1 | S |
| 100.200 | 0.0000 | 0.0000 | 85.950 | 0.11460 | 0.00000 | 316523.1 | 190407.0 | 100632.1 | S |
| 100.208 | 0.0000 | 0.0000 | 85.950 | 0.11459 | 0.00000 | 316523.1 | 190410.5 | 100632.1 | S |
| 100.217 | 0.0000 | 0.0000 | 85.950 | 0.11458 | 0.00000 | 316523.1 | 190413.9 | 100632.1 | S |
| 100.225 | 0.0000 | 0.0000 | 85.950 | 0.11456 | 0.00000 | 316523.1 | 190417.3 | 100632.1 | S |
| 100.233 | 0.0000 | 0.0000 | 85.949 | 0.11455 | 0.00000 | 316523.1 | 190420.8 | 100632.1 | S |
| 100.242 | 0.0000 | 0.0000 | 85.949 | 0.11454 | 0.00000 | 316523.1 | 190424.2 | 100632.1 | S |
| 100.250 | 0.0000 | 0.0000 | 85.949 | 0.11452 | 0.00000 | 316523.1 | 190427.7 | 100632.1 | S |
| 100.258 | 0.0000 | 0.0000 | 85.949 | 0.11451 | 0.00000 | 316523.1 | 190431.1 | 100632.1 | S |
| 100.267 | 0.0000 | 0.0000 | 85.949 | 0.11450 | 0.00000 | 316523.1 | 190434.5 | 100632.1 | S |
| 100.275 | 0.0000 | 0.0000 | 85.948 | 0.11449 | 0.00000 | 316523.1 | 190438.0 | 100632.1 | S |
| 100.283 | 0.0000 | 0.0000 | 85.948 | 0.11447 | 0.00000 | 316523.1 | 190441.4 | 100632.1 | S |
| 100.292 | 0.0000 | 0.0000 | 85.948 | 0.11446 | 0.00000 | 316523.1 | 190444.8 | 100632.1 | S |
| 100.300 | 0.0000 | 0.0000 | 85.948 | 0.11445 | 0.00000 | 316523.1 | 190448.3 | 100632.1 | S |
| 100.308 | 0.0000 | 0.0000 | 85.947 | 0.11443 | 0.00000 | 316523.1 | 190451.7 | 100632.1 | S |
| 100.317 | 0.0000 | 0.0000 | 85.947 | 0.11442 | 0.00000 | 316523.1 | 190455.1 | 100632.1 | S |
| 100.325 | 0.0000 | 0.0000 | 85.947 | 0.11441 | 0.00000 | 316523.1 | 190458.6 | 100632.1 | S |
| 100.333 | 0.0000 | 0.0000 | 85.947 | 0.11439 | 0.00000 | 316523.1 | 190462.0 | 100632.1 | S |
| 100.342 | 0.0000 | 0.0000 | 85.947 | 0.11438 | 0.00000 | 316523.1 | 190465.4 | 100632.1 | S |
| 100.350 | 0.0000 | 0.0000 | 85.946 | 0.11437 | 0.00000 | 316523.1 | 190468.9 | 100632.1 | S |
| 100.358 | 0.0000 | 0.0000 | 85.946 | 0.11435 | 0.00000 | 316523.1 | 190472.3 | 100632.1 | S |
| 100.367 | 0.0000 | 0.0000 | 85.946 | 0.11434 | 0.00000 | 316523.1 | 190475.7 | 100632.1 | S |
| 100.375 | 0.0000 | 0.0000 | 85.946 | 0.11433 | 0.00000 | 316523.1 | 190479.2 | 100632.1 | S |
| 100.383 | 0.0000 | 0.0000 | 85.946 | 0.11432 | 0.00000 | 316523.1 | 190482.6 | 100632.1 | S |
| 100.392 | 0.0000 | 0.0000 | 85.945 | 0.11430 | 0.00000 | 316523.1 | 190486.0 | 100632.1 | S |
| 100.400 | 0.0000 | 0.0000 | 85.945 | 0.11429 | 0.00000 | 316523.1 | 190489.4 | 100632.1 | S |
| 100.408 | 0.0000 | 0.0000 | 85.945 | 0.11428 | 0.00000 | 316523.1 | 190492.9 | 100632.1 | S |
| 100.417 | 0.0000 | 0.0000 | 85.945 | 0.11426 | 0.00000 | 316523.1 | 190496.3 | 100632.1 | S |
| 100.425 | 0.0000 | 0.0000 | 85.945 | 0.11425 | 0.00000 | 316523.1 | 190499.7 | 100632.1 | S |
| 100.433 | 0.0000 | 0.0000 | 85.944 | 0.11424 | 0.00000 | 316523.1 | 190503.2 | 100632.1 | S |
| 100.442 | 0.0000 | 0.0000 | 85.944 | 0.11422 | 0.00000 | 316523.1 | 190506.6 | 100632.1 | S |
| 100.450 | 0.0000 | 0.0000 | 85.944 | 0.11421 | 0.00000 | 316523.1 | 190510.0 | 100632.1 | S |
| 100.458 | 0.0000 | 0.0000 | 85.944 | 0.11420 | 0.00000 | 316523.1 | 190513.4 | 100632.1 | S |
| 100.467 | 0.0000 | 0.0000 | 85.943 | 0.11419 | 0.00000 | 316523.1 | 190516.9 | 100632.1 | S |
| 100.475 | 0.0000 | 0.0000 | 85.943 | 0.11417 | 0.00000 | 316523.1 | 190520.3 | 100632.1 | S |
| 100.483 | 0.0000 | 0.0000 | 85.943 | 0.11416 | 0.00000 | 316523.1 | 190523.7 | 100632.1 | S |
| 100.492 | 0.0000 | 0.0000 | 85.943 | 0.11415 | 0.00000 | 316523.1 | 190527.1 | 100632.1 | S |
| 100.500 | 0.0000 | 0.0000 | 85.943 | 0.11413 | 0.00000 | 316523.1 | 190530.5 | 100632.1 | S |
| 100.508 | 0.0000 | 0.0000 | 85.942 | 0.11412 | 0.00000 | 316523.1 | 190534.0 | 100632.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/overflow

| Elapsed Time (hours) | Infiow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $f^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 100.517 | 0.0000 | 0.0000 | 85.942 | 0.11411 | 0.00000 | 316523.1 | 190537.4 | 100632.1 | S |
| 100.525 | 0.0000 | 0.0000 | 85.942 | 0.11409 | 0.00000 | 316523.1 | 190540.8 | 100632.1 | S |
| 100.533 | 0.0000 | 0.0000 | 85.942 | 0.11408 | 0.00000 | 316523.1 | 190544.3 | 100632.1 | S |
| 100.542 | 0.0000 | 0.0000 | 85.942 | 0.11407 | 0.00000 | 316523.1 | 190547.7 | 100632.1 | S |
| 100.550 | 0.0000 | 0.0000 | 85.941 | 0.11406 | 0.00000 | 316523.1 | 190551.7 | 100632.1 | S |
| 100.558 | 0.0000 | 0.0000 | 85.941 | 0.11404 | 0.00000 | 316523.1 | 190554.5 | 100632.1 | S |
| 100.567 | 0.0000 | 0.0000 | 85.941 | 0.11403 | 0.00000 | 316523.1 | 190557.9 | 100632.1 | S |
| 100.575 | 0.0000 | 0.0000 | 85.941 | 0.11402 | 0.00000 | 316523.1 | 190561.4 | 100632.1 | S |
| 100.583 | 0.0000 | 0.0000 | 85.941 | 0.11400 | 0.00000 | 316523.1 | 190564.8 | 100632.1 | S |
| 100.592 | 0.0000 | 0.0000 | 85.940 | 0.11399 | 0.00000 | 316523.1 | 190568.2 | 100632.1 | S |
| 100.600 | 0.0000 | 0.0000 | 85.940 | 0.11398 | 0.00000 | 316523.1 | 190571.6 | 100632.1 | S |
| 100.608 | 0.0000 | 0.0000 | 85.940 | 0.11396 | 0.00000 | 316523.1 | 190575.0 | 100632.1 | S |
| 100.617 | 0.0000 | 0.0000 | 85.940 | 0.11385 | 0.00000 | 316523.1 | 190578.5 | 100632.1 | S |
| 100.625 | 0.0000 | 0.0000 | 85.939 | 0.11394 | 0.00000 | 316523.1 | 190581.9 | 100632.1 | S |
| 100.633 | 0.0000 | 0.0000 | 85.939 | 0.11393 | 0.00000 | 316523.1 | 190585.3 | 100632.1 | S |
| 100.642 | 0.0000 | 0.0000 | 85.939 | 0.11391 | 0.00000 | 316523.1 | 190588.7 | 100632.1 | S |
| 100.650 | 0.0000 | 0.0000 | 85.939 | 0.11380 | 0.00000 | 316523.1 | 190592.1 | 100632.1 | S |
| 100.658 | 0.0000 | 0.0000 | 85.939 | 0.11389 | 0.00000 | 316523.1 | 190595.5 | 100632.1 | S |
| 100.667 | 0.0000 | 0.0000 | 85.938 | 0.11387 | 0.00000 | 316523.1 | 190599.0 | 100632.1 | S |
| 100.675 | 0.0000 | 0.0000 | 85.938 | 0.11386 | 0.00000 | 316523.1 | 190602.4 | 100632.1 | S |
| 100.683 | 0.0000 | 0.0000 | 85.938 | 0.11385 | 0.00000 | 316523.1 | 190605.8 | 100632.1 | S |
| 100.692 | 0.0000 | 0.0000 | 85.938 | 0.11383 | 0.00000 | 316523.1 | 190609.2 | 100632.1 | S |
| 100.700 | 0.0000 | 0.0000 | 85.938 | 0.11382 | 0.00000 | 316523.1 | 190612.6 | 100632.1 | S |
| 100.708 | 0.0000 | 0.0000 | 85.937 | 0.11381 | 0.00000 | 316523.1 | 190616.0 | 100632.1 | S |
| 100.717 | 0.0000 | 0.0000 | 85.937 | 0.11380 | 0.00000 | 316523.1 | 190619.5 | 100632.1 | S |
| 100.725 | 0.0000 | 0.0000 | 85.937 | 0.11378 | 0.00000 | 316523.1 | 190622.9 | 100632.1 | S |
| 100.733 | 0.0000 | 0.0000 | 85.937 | 0.11377 | 0.00000 | 316523.1 | 190626.3 | 100632.1 | S |
| 100.742 | 0.0000 | 0.0000 | 85.937 | 0.11376 | 0.00000 | 316523.1 | 190629.7 | 100632.1 | S |
| 100.750 | 0.0000 | 0.0000 | 85.936 | 0.11374 | 0.00000 | 316523.1 | 190633.1 | 100632.1 | S |
| 100.758 | 0.0000 | 0.0000 | 85.936 | 0.11373 | 0.00000 | 316523.1 | 190636.5 | 100632.1 | S |
| 100.767 | 0.0000 | 0.0000 | 85.936 | 0.11372 | 0.00000 | 316523.1 | 190639.9 | 100632.1 | S |
| 100.775 | 0.0000 | 0.0000 | 85.936 | 0.11370 | 0.00000 | 316523.1 | 190643.3 | 100632.1 | S |
| 100.783 | 0.0000 | 0.0000 | 85.935 | 0.11369 | 0.00000 | 316523.1 | 190646.8 | 100632.1 | S |
| 100.792 | 0.0000 | 0.0000 | 85.935 | 0.11368 | 0.00000 | 316523.1 | 190650.2 | 100632.1 | S |
| 100.800 | 0.0000 | 0.0000 | 85.935 | 0.11367 | 0.00000 | 316523.1 | 190653.6 | 100632.1 | S |
| 100.808 | 0.0000 | 0.0000 | 85.935 | 0.11365 | 0.00000 | 316523.1 | 190657.0 | 100632.1 | S |
| 100.817 | 0.0000 | 0.0000 | 85.935 | 0.11364 | 0.00000 | 316523.1 | 190660.4 | 100632.1 | S |
| 100.825 | 0.0000 | 0.0000 | 85.934 | 0.11363 | 0.00000 | 316523.1 | 190663.8 | 100632.1 | S |
| 100.833 | 0.0000 | 0.0000 | 85.934 | 0.11361 | 0.00000 | 316523.1 | 190667.2 | 100632.1 | S |
| 100.842 | 0.0000 | 0.0000 | 85.934 | 0.11360 | 0.00000 | 316523.1 | 190670.6 | 100632.1 | S |
| 100.850 | 0.0000 | 0.0000 | 85.934 | 0.11359 | 0.00000 | 316523.1 | 190674.0 | 100632.1 | S |
| 100.858 | 0.0000 | 0.0000 | 85.934 | 0.11358 | 0.00000 | 316523.1 | 190677.4 | 100632.1 | S |
| 100.867 | 0.0000 | 0.0000 | 85.933 | 0.11356 | 0.00000 | 316523.1 | 190680.8 | 100632.1 | S |
| 100.875 | 0.0000 | 0.0000 | 85.933 | 0.11355 | 0.00000 | 316523.1 | 190684.2 | 100632.1 | S |
| 100.883 | 0.0000 | 0.0000 | 85.933 | 0.11354 | 0.00000 | 316523.4 | 190687.6 | 100632.1 | S |
| 100.892 | 0.0000 | 0.0000 | 85.933 | 0.11352 | 0.00000 | 316523.1 | 190691.0 | 100632.1 | S |
| 100.900 | 0.0000 | 0.0000 | 85.933 | 0.11351 | 0.00000 | 316523.1 | 190694.5 | 100632.1 | S |
| 100.908 | 0.0000 | 0.0000 | 85.932 | 0.11350 | 0.00000 | 316523.1 | 190697.9 | 100632.1 | S |
| 100.917 | 0.0000 | 0.0000 | 85.932 | 0.11349 | 0.00000 | 316523.1 | 190701.3 | 100632.1 | S |
| 100.925 | 0.0000 | 0.0000 | 85.932 | 0.11347 | 0.00000 | 316523.1 | 190704.7 | 100632.1 | S |
| 100.933 | 0.0000 | 0.0000 | 85.932 | 0.11346 | 0.00000 | 316523.1 | 190708.1 | 100632.1 | S |
| 100.942 | 0.0000 | 0.0000 | 85.931 | 0.11345 | 0.00000 | 316523.1 | 190711.5 | 100632.1 | S |
| 100.950 | 0.0000 | 0.0000 | 85.931 | 0.11343 | 0.00000 | 316523.1 | 190714.9 | 100632.1 | S |
| 100.958 | 0.0000 | 0.0000 | 85.931 | 0.11342 | 0.00000 | 316523.1 | 190718.3 | 100632.1 | S |
| 100.967 | 0.0000 | 0.0000 | 85.931 | 0.11341 | 0.00000 | 316523.1 | 190721.7 | 100632.1 | S |
| 100.975 | 0.0000 | 0.0000 | 85.931 | 0.11339 | 0.00000 | 316523.1 | 190725.1 | 100632.1 | S |
| 100.983 | 0.0000 | 0.0000 | 85.930 | 0.11338 | 0.00000 | 316523.1 | 190728.5 | 100632.1 | S |
| 100.992 | 0.0000 | 0.0000 | 85.930 | 0.11337 | 0.00000 | 316523.1 | 190731.9 | 100632.1 | S |
| 101.000 | 0.0000 | 0.0000 | 85.930 | 0.11336 | 0.00000 | 316523.1 | 190735.3 | 100632.1 | S |
| 101.008 | 0.0000 | 0.0000 | 85.930 | 0.11334 | 0.00000 | 316523.1 | 190738.7 | 100632.1 | S |
| 101.017 | 0.0000 | 0.0000 | 85.930 | 0.11333 | 0.00000 | 316523.1 | 190742.1 | 100632.1 | S |
| 101.025 | 0.0000 | 0.0000 | 85.929 | 0.11332 | 0.00000 | 316523.1 | 190745.5 | 100632.1 | S |
| 101.033 | 0.0000 | 0.0000 | 85.929 | 0.11330 | 0.00000 | 316523.1 | 190748.9 | 100632.1 | S |
| 101.042 | 0.0000 | 0.0000 | 85.929 | 0.11329 | 0.00000 | 316523.1 | 190752.3 | 100632.1 | S |
| 101.050 | 0.0000 | 0.0000 | 85.929 | 0.11328 | 0.00000 | 316523.1 | 190755.7 | 100632.1 | S |
| 101.058 | 0.0000 | 0.0000 | 85.929 | 0.11327 | 0.00000 | 316523.1 | 190759.1 | 100632.1 | S |
| 101.067 | 0.0000 | 0.0000 | 85.928 | 0.11325 | 0.00000 | 316523.1 | 190762.5 | 100632.1 | S |
| 101.075 | 0.0000 | 0.0000 | 85.928 | 0.11324 | 0.00000 | 316523.1 | 190765.9 | 100632.1 | S |
| $10 \pm .083$ | 0.0000 | 0.0000 | 85.928 | 0.11323 | 0.00000 | 316523.1 | 190769.3 | 100632.1 | S |
| 101.092 | 0.0000 | 0.0000 | 85.928 | 0.11321 | 0.00000 | 316523.1 | 190772.7 | 100632.1 | S |
| 10.100 | 0.0000 | 0.0000 | 85.927 | 0.11320 | 0.00000 | 316523.1 | 190776.1 | 100632.1 | S |
| 101.108 | 0.0000 | 0.0000 | 85.927 | 0.11319 | 0.00000 | 316523.1 | 190779.5 | 100632.1 | S |
| 101.117 | 0.0000 | 0.0000 | 85.927 | 0.11318 | 0.00000 | 316523.1 | 190782.9 | 100632.1 | S |
| 101.125 | 0.0000 | 0.0000 | 85.927 | 0.11316 | 0.00000 | 316523.1 | 190786.3 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overilow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 101.133 | 0.0000 | 0.0000 | 85.927 | 0.11315 | 0.00000 | 316523.1 | 190789.7 | 100632.1 | S |
| 101.142 | 0.0000 | 0.0000 | 85.926 | 0.11314 | 0.00000 | 316523.1 | 190793.0 | 100632.1 | S |
| 101.150 | 0.0000 | 0.0000 | 85.926 | 0.11312 | 0.00000 | 316523.1 | 190796.4 | 100632.1 | S |
| 101.158 | 0.0000 | 0.0000 | 85.926 | 0.11311 | 0.00000 | 316523.1 | 190799.8 | 100632.1 | S |
| 101.167 | 0.0000 | 0.0000 | 85.926 | 0.11310 | 0.00000 | 316523.1 | 190803.2 | 100632.1 | S |
| 101.175 | 0.0000 | 0.0000 | 85.926 | 0.11309 | 0.00000 | 316523.1 | 190806.6 | 100632.1 | S |
| 101.183 | 0.0000 | 0.0000 | 85.925 | 0.11307 | 0.00000 | 316523.1 | 190810.0 | 100632.1 | S |
| 101.192 | 0.0000 | 0.0000 | 85.925 | 0.11306 | 0.00000 | 316523.1 | 190813.4 | 100632.1 | S |
| 101.200 | 0.0000 | 0.0000 | 85.925 | 0.11305 | 0.00000 | 316523.1 | 190816.8 | 100632.1 | S |
| 101.208 | 0.0000 | 0.0000 | 85.925 | 0.11303 | 0.00000 | 316523.1 | 190820.2 | 100632.1 | S |
| 101.217 | 0.0000 | 0.0000 | 85.925 | 0.11302 | 0.00000 | 316523.1 | 190823.6 | 100632.1 | S |
| 101.225 | 0.0000 | 0.0000 | 85.924 | 0.11301 | 0.00000 | 316523.1 | 190827.0 | 100632.1 | S |
| 101.233 | 0.0000 | 0.0000 | 85.924 | 0.11300 | 0.00000 | 316523.1 | 190830.4 | 100632.1 | S |
| 101.242 | 0.0000 | 0.0000 | 85.924 | 0.11298 | 0.00000 | 316523.1 | 190833.8 | 100632.1 | S |
| 101.250 | 0.0000 | 0.0000 | 85.924 | 0.11297 | 0.00000 | 316523.1 | 190837.1 | 100632.1 | S |
| 101.258 | 0.0000 | 0.0000 | 85.924 | 0.11296 | 0.00000 | 316523.1 | 190840.5 | 100632.1 | S |
| 101.267 | 0.0000 | 0.0000 | 85.923 | 0.11295 | 0.00000 | 316523.1 | 190843.9 | 100632.1 | S |
| 101.275 | 0.0000 | 0.0000 | 85.923 | 0.11293 | 0.00000 | 316523.1 | 190847.3 | 100632.1 | S |
| 101.283 | 0.0000 | 0.0000 | 85.923 | 0.11292 | 0.00000 | 316523.1 | 190850.7 | 100632.1 | S |
| 101.292 | 0.0000 | 0.0000 | 85.923 | 0.11291 | 0.00000 | 316523.1 | 190854.1 | 100632.1 | S |
| 101.300 | 0.0000 | 0.0000 | 85.922 | 0.11289 | 0.00000 | 316523.1 | 190857.5 | 100632.1 | S |
| 101.308 | 0.0000 | 0.0000 | 85.922 | 0.11288 | 0.00000 | 316523.1 | 190860.9 | 100632.1 | S |
| 101.317 | 0.0000 | 0.0000 | 85.922 | 0.11287 | 0.00000 | 316523.1 | 190864.2 | 100632.1 | S |
| 101.325 | 0.0000 | 0.0000 | 85.922 | 0.11286 | 0.00000 | 316523.1 | 190867.6 | 100632.1 | S |
| 101.333 | 0.0000 | 0.0000 | 85.922 | 0.11284 | 0.00000 | 316523.1 | 190871.0 | 100632.1 | S |
| 101.342 | 0.0000 | 0.0000 | 85.921 | 0.11283 | 0.00000 | 316523.1 | 190874.4 | 100632.1 | S |
| 101.350 | 0.0000 | 0.0000 | 85.921 | 0.11282 | 0.00000 | 316523.1 | 190877.8 | 100632.1 | S |
| 101.358 | 0.0000 | 0.0000 | 85.921 | 0.11280 | 0.00000 | 316523.1 | 190881.2 | 100632.1 | S |
| 101.367 | 0.0000 | 0.0000 | 85.921 | 0.11279 | 0.00000 | 316523.1 | 190884.5 | 100632.1 | S |
| 101.375 | 0.0000 | 0.0000 | 85.921 | 0.11278 | 0.00000 | 316523.1 | 190887.9 | 100632.1 | S |
| 101.383 | 0.0000 | 0.0000 | 85.920 | 0.11277 | 0.00000 | 316523.1 | 190891.3 | 100632.7 | S |
| 101.392 | 0.0000 | 0.0000 | 85.920 | 0.11275 | 0.00000 | 316523.1 | 190894.7 | 100632.1 | S |
| 101.400 | 0.0000 | 0.0000 | 85.920 | 0.11274 | 0.00000 | 316523.1 | 190898.1 | 100632.1 | S |
| 101.408 | 0.0000 | 0.0000 | 85.920 | 0.11273 | 0.00000 | 316523.1 | 190901.5 | 100632.1 | S |
| 101.417 | 0.0000 | 0.0000 | 85.920 | 0.11271 | 0.00000 | 316523.1 | 190904.8 | 100632.1 | S |
| 101.425 | 0.0000 | 0.0000 | 85.919 | 0.11270 | 0.00000 | 316523.1 | 190908.2 | 100632.1 | S |
| 101.433 | 0.0000 | 0.0000 | 85.919 | 0.11269 | 0.00000 | 316523.1 | 190911.6 | 100632.1 | S |
| 101.442 | 0.0000 | 0.0000 | 85.919 | 0.11268 | 0.00000 | 316523.1 | 190915.0 | 100632.1 | S |
| 101.450 | 0.0000 | 0.0000 | 85.919 | 0.11266 | 0.00000 | 316523.1 | 190918.4 | 100632.1 | S |
| 101.458 | 0.0000 | 0.0000 | 85.918 | 0.11265 | 0.00000 | 316523.1 | 190921.8 | 100632.1 | S |
| 101.467 | 0.0000 | 0.0000 | 85.918 | 0.11264 | 0.00000 | 316523.1 | 190925.1 | 100632.1 | S |
| 101.475 | 0.0000 | 0.0000 | 85.918 | 0.11263 | 0.00000 | 316523.1 | 190928.5 | 100632.1 | S |
| 101.483 | 0.0000 | 0.0000 | 85.918 | 0.11261 | 0.00000 | 316523.1 | 190931.9 | 100632.1 | S |
| 101.492 | 0.0000 | 0.0000 | 85.918 | 0.11260 | 0.00000 | 316523.1 | 190935.3 | 100632.1 | S |
| 101.500 | 0.0000 | 0.0000 | 85.917 | 0.11259 | 0.00000 | 316523.1 | 190938.6 | 100632.1 | S |
| 101.508 | 0.0000 | 0.0000 | 85.917 | 0.11257 | 0.00000 | 316523.1 | 190942.0 | 100632.1 | S |
| 101.517 | 0.0000 | 0.0000 | 85.917 | 0.11256 | 0.00000 | 316523.1 | 190945.4 | 100632.1 | S |
| 101.525 | 0.0000 | 0.0000 | 85.917 | 0.11255 | 0.00000 | 316523.1 | 190948.8 | 100632.1 | S |
| 101.533 | 0.0000 | 0.0000 | 85.917 | 0.11254 | 0.00000 | 316523.1 | 190952.1 | 100632.1 | S |
| 101.542 | 0.0000 | 0.0000 | 85.916 | 0.11252 | 0.00000 | 316523.1 | 190955.5 | 100632.1 | S |
| 101.550 | 0.0000 | 0.0000 | 85.916 | 0.11251 | 0.00000 | 316523.1 | 190958.9 | 100632.1 | S |
| 101.558 | 0.0000 | 0.0000 | 85.916 | 0.11250 | 0.00000 | 316523.1 | 190962.3 | 100632.1 | S |
| 101.567 | 0.0000 | 0.0000 | 85.916 | 0.11249 | 0.00000 | 316523.1 | 190965.7 | 100632.1 | S |
| 101.575 | 0.0000 | 0.0000 | 85.916 | 0.11247 | 0.00000 | 316523.1 | 190969.0 | 100632.8 | S |
| 101.583 | 0.0000 | 0.0000 | 85.915 | 0.11246 | 0.00000 | 316523.1 | 190972.4 | 100632.1 | S |
| 101.592 | 0.0000 | 0.0000 | 85.915 | 0.11245 | 0.00000 | 316523.1 | 190975.8 | 100632.1 | S |
| 101.600 | 0.0000 | 0.0000 | 85.915 | 0.11243 | 0.00000 | 316523.1 | 190979.1 | 100632.1 | S |
| 101.608 | 0.0000 | 0.0000 | 85.915 | 0.11242 | 0.00000 | 316523.1 | 190982.5 | 100632.1 | S |
| 101.617 | 0.0000 | 0.0000 | 85.915 | 0.11241 | 0.00000 | 316523.1 | 190985.9 | 100632.1 | S |
| 101.625 | 0.0000 | 0.0000 | 85.914 | 0.11240 | 0.00000 | 316523.1 | 190989.3 | 100632.1 | S |
| 101.633 | 0.0000 | 0.0000 | 85.914 | 0.11238 | 0.00000 | 316523.1 | 190992.6 | 100632.1 | S |
| 101.642 | 0.0000 | 0.0000 | 85.914 | 0.11237 | 0.00000 | 316523.1 | 190996.0 | 100632.1 | S |
| 101.650 | 0.0000 | 0.0000 | 85.914 | 0.11236 | 0.00000 | 316523.1 | 190999.4 | 100632.1 | S |
| 101.658 | 0.0000 | 0.0000 | 85.913 | 0.11235 | 0.00000 | 316523.1 | 191002.8 | 100632.1 | S |
| 101.667 | 0.0000 | 0.0000 | 85.913 | 0.11233 | 0.00000 | 316523.1 | 191006.1 | 100632.1 | S |
| 101.675 | 0.0000 | 0.0000 | 85.913 | 0.11232 | 0.00000 | 316523.1 | 191009.5 | 100632.1 | S |
| 101.683 | 0.0000 | 0.0000 | 85.913 | 0.11231 | 0.00000 | 316523.1 | 191012.9 | 100632.1 | S |
| 101.692 | 0.0000 | 0.0000 | 85.913 | 0.11229 | 0.00000 | 316523.1 | 191016.2 | 100632.1 | S |
| 101.700 | 0.0000 | 0.0000 | 85.912 | 0.11228 | 0.00000 | 316523.1 | 191019.6 | 100632.1 | S |
| 101.708 | 0.0000 | 0.0000 | 85.912 | 0.11227 | 0.00000 | 316523.1 | 191023.0 | 100632.1 | S |
| 101.717 | 0.0000 | 0.0000 | 85.912 | 0.11226 | 0.00000 | 316523.1 | 191026.3 | 100632.1 | S |
| 101.725 | 0.0000 | 0.0000 | 85.912 | 0.11224 | 0.00000 | 316523.1 | 191029.7 | 100632.1 | S |
| 101.733 | 0.0000 | 0.0000 | 85.912 | 0.11223 | 0.00000 | 316523.1 | 191033.1 | 100632.1 | S |
| 101.742 | 0.0000 | 0.0000 | 85.911 | 0.11222 | 0.00000 | 316523.1 | 191036.4 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overlow Discharge ( $\mathrm{tt}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{H}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{H}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 101.750 | 0.0000 | 0.0000 | 85.911 | 0.11221 | 0.00000 | 316523.1 | 191039.8 | 100632.1 | S |
| 101.758 | 0,0000 | 0.0000 | 85.911 | 0.11219 | 0.00000 | 316523.1 | 191043.2 | 100632.1 | S |
| 101.767 | 0.0000 | 0.0000 | 85.911 | 0.11218 | 0.00000 | 316523.1 | 191046.5 | 100632.1 | S |
| 101.775 | 0.0000 | 0.0000 | 85.911 | 0.11217 | 0.00000 | 316523.1 | 191049.9 | 100632.1 | S |
| 101.783 | 0.0000 | 0.0000 | 85.910 | 0.11215 | 0.00000 | 316523.1 | 191053.3 | 100632.1 | S |
| 101.792 | 0.0000 | 0.0000 | 85.910 | 0.11214 | 0.00000 | 316523.1 | 191056.6 | 100632.1 | S |
| 101.800 | 0.0000 | 0.0000 | 85.910 | 0.11213 | 0.00000 | 316523.1 | 191060.0 | 100632.1 | S |
| 101.808 | 0.0000 | 0.0000 | 85.910 | 0.11212 | 0.00000 | 316523.1 | 191063.3 | 100632.1 | S |
| 101.817 | 0.0000 | 0.0000 | 85.910 | 0.11210 | 0.00000 | 316523.1 | 191066.7 | 100632.1 | S |
| 101.825 | 0.0000 | 0.0000 | 85.909 | 0.11209 | 0.00000 | 316523.1 | 191070.1 | 100632.1 | S |
| 101.833 | 0.0000 | 0.0000 | 85.909 | 0.11208 | 0.00000 | 316523.1 | 191073.4 | 100632.1 | S |
| 101.842 | 0.0000 | 0.0000 | 85.909 | 0.11207 | 0.00000 | 316523.1 | 191076.8 | 100632.7 | S |
| 101.850 | 0.0000 | 0.0000 | 85.909 | 0.11205 | 0.00000 | 316523.1 | 191080.2 | 100632.1 | S |
| 101.858 | 0.0000 | 0.0000 | 85.908 | 0.11204 | 0.00000 | 316523.1 | 191083.5 | 100632.1 | S |
| 101.867 | 0.0000 | 0.0000 | 85.908 | 0.11203 | 0.00000 | 316523.1 | 191086.9 | 100632.1 | S |
| 101.875 | 0.0000 | 0.0000 | 85.908 | 0.11202 | 0.00000 | 316523.1 | 191090.3 | 100632.1 | S |
| 101.883 | 0.0000 | 0.0000 | 85.908 | 0.11200 | 0.00000 | 316523.1 | 191093.6 | 100632.1 | S |
| 101.892 | 0.0000 | 0.0000 | 85.908 | 0.11199 | 0.00000 | 316523.1 | 191097.0 | 100632.1 | S |
| 101.900 | 0.0000 | 0.0000 | 85.907 | 0.11198 | 0.00000 | 316523.1 | 191100.3 | 100632.1 | S |
| 101.908 | 0.0000 | 0.0000 | 85.907 | 0.11197 | 0.00000 | 316523.1 | 191103.7 | 100632.1 | S |
| 101.917 | 0.0000 | 0.0000 | 85.907 | 0.11195 | 0.00000 | 316523.1 | 191107.0 | 100632.1 | S |
| 101.925 | 0.0000 | 0.0000 | 85.907 | 0.11194 | 0.00000 | 316523.1 | 191110.4 | 100632.1 | S |
| 101.933 | 0.0000 | 0.0000 | 85.907 | 0.11193 | 0.00000 | 316523.1 | 191113.8 | 100632.1 | S |
| 101.942 | 0.0000 | 0.0000 | 85.906 | 0.11191 | 0.00000 | 316523.1 | 191117.1 | 100632.1 | S |
| 101.950 | 0.0000 | 0.0000 | 85.906 | 0.11190 | 0.00000 | 316523.1 | 191120.5 | 100632.1 | S |
| 101.958 | 0.0000 | 0.0000 | 85.906 | 0.11189 | 0.00000 | 316523.7 | 191123.8 | 100632.1 | S |
| 101.967 | 0.0000 | 0.0000 | 85.906 | 0.11188 | 0.00000 | 316523.1 | 191127.2 | 100632.1 | S |
| 101.975 | 0.0000 | 0.0000 | 85.906 | 0.11186 | 0.00000 | 316523.1 | 191130.5 | 100632.1 | S |
| 101.983 | 0.0000 | 0.0000 | 85.905 | 0.11785 | 0.00000 | 316523.1 | 191133.9 | 100632.1 | S |
| 101.992 | 0.0000 | 0.0000 | 85.905 | 0.11184 | 0.00000 | 316523.1 | 191137.3 | 100632.1 | S |
| 102.000 | 0.0000 | 0.0000 | 85.905 | 0.11183 | 0.00000 | 316523.1 | 191140.6 | 100632.1 | S |
| 102.008 | 0.0000 | 0.0000 | 85.905 | 0.11181 | 0.00000 | 316523.1 | 191144.0 | 100632.1 | S |
| 102.017 | 0.0000 | 0.0000 | 85.905 | 0.11180 | 0.00000 | 316523.1 | 191147.3 | 100632.1 | S |
| 102.025 | 0.0000 | 0.0000 | 85.904 | 0.11179 | 0.00000 | 316523.1 | 191150.7 | 100632.1 | S |
| 102.033 | 0.0000 | 0.0000 | 85.904 | 0.11178 | 0.00000 | 316523.1 | 191154.0 | 100632.1 | S |
| 102.042 | 0.0000 | 0.0000 | 85.904 | 0.11176 | 0.00000 | 316523.1 | 191157.4 | 100632.1 | S |
| 102.050 | 0.0000 | 0.0000 | 85.904 | 0.11175 | 0.00000 | 316523.1 | 191160.7 | 100632.1 | S |
| 102.058 | 0.0000 | 0.0000 | 85.903 | 0.11174 | 0.00000 | 316523.1 | 191164.3 | 100632.1 | S |
| 102.067 | 0.0000 | 0.0000 | 85.903 | 0.11173 | 0.00000 | 316523.1 | 191167.4 | 100632.1 | S |
| 102.075 | 0.0000 | 0.0000 | 85.903 | 0.11171 | 0.00000 | 316523.1 | 191170.8 | 100632.1 | S |
| 102.083 | 0.0000 | 0.0000 | 85.903 | 0.11170 | 0.00000 | 316523.1 | 191174.1 | 100632.1 | S |
| 102.092 | 0.0000 | 0.0000 | 85.903 | 0.11169 | 0.00000 | 316523.1 | 191177.5 | 100632.1 | S |
| 102.100 | 0.0000 | 0.0000 | 85.902 | 0.11167 | 0.00000 | 316523.1 | 191180.8 | 100632.1 | S |
| 102.108 | 0.0000 | 0.0000 | 85.902 | 0.11166 | 0.00000 | 316523.1 | 191184.2 | 100632.1 | S |
| 102.117 | 0.0000 | 0.0000 | 85.902 | 0.11165 | 0.00000 | 316523.1 | 191187.5 | 100632.1 | S |
| 102.125 | 0.0000 | 0.0000 | 85.902 | 0.11164 | 0.00000 | 316523.1 | 191190.9 | 100632.1 | S |
| 102.133 | 0.0000 | 0.0000 | 85.902 | 0.11162 | 0.00000 | 316523.1 | 191194.2 | 100632.1 | S |
| 102.142 | 0.0000 | 0.0000 | 85.901 | 0.11161 | 0.00000 | 316523.1 | 191197.6 | 100632.1 | S |
| 102.150 | 0.0000 | 0.0000 | 85.901 | 0.11160 | 0.00000 | 316523.1 | 191200.9 | 100632.1 | S |
| 102.158 | 0.0000 | 0.0000 | 85.901 | 0.11159 | 0.00000 | 316523.1 | 191204.3 | 100632.1 | S |
| 102.167 | 0.0000 | 0.0000 | 85.901 | 0.11157 | 0.00000 | 316523.1 | 191207.6 | 100632.1 | S |
| 102.175 | 0.0000 | 0.0000 | 85.901 | 0.11156 | 0.00000 | 316523.1 | 191211.0 | 100632.1 | S |
| 102.183 | 0.0000 | 0.0000 | 85.900 | 0.11155 | 0.00000 | 316523.1 | 191214.3 | 100632.1 | S |
| 102.192 | 0.0000 | 0.0000 | 85.900 | 0.11154 | 0.00000 | 316523.1 | 191217.7 | 100632.1 | S |
| 102.200 | 0.0000 | 0.0000 | 85.900 | 0.11152 | 0.00000 | 316523.1 | 191221.0 | 100632.1 | S |
| 102.208 | 0.0000 | 0.0000 | 85.900 | 0.11151 | 0.00000 | 316523.1 | 191224.4 | 100632.1 | S |
| 102.217 | 0.0000 | 0.0000 | 85.900 | 0.11150 | 0.00000 | 316523.1 | 191227.7 | 100632.1 | S |
| 102.225 | 0.0000 | 0.0000 | 85.899 | 0.11149 | 0.00000 | 316523.1 | 191231.0 | 100632.1 | S |
| 102.233 | 0.0000 | 0.0000 | 85.899 | 0.11147 | 0.00000 | 316523.1 | 191234.4 | 100632.1 | S |
| 102.242 | 0.0000 | 0.0000 | 85.899 | 0.11146 | 0.00000 | 316523.1 | 191237.7 | 100632.1 | S |
| 102.250 | 0.0000 | 0.0000 | 85.899 | 0.11145 | 0.00000 | 316523.1 | 191241.1 | 100632.1 | S |
| 102.258 | 0.0000 | 0.0000 | 85.898 | 0.11144 | 0.00000 | 316523.1 | 191244.4 | 100632.1 | S |
| 102.267 | 0.0000 | 0.0000 | 85.898 | 0.11142 | 0.00000 | 316523.1 | 191247.8 | 100632.1 | S |
| 102.275 | 0.0000 | 0.0000 | 85.898 | 0.11141 | 0.00000 | 316523.1 | 191251.1 | 100632.1 | S |
| 102.283 | 0.0000 | 0.0000 | 85.898 | 0.11140 | 0.00000 | 316523.1 | 191254.5 | 100632.1 | S |
| 102.292 | 0.0000 | 0.0000 | 85.898 | 0.11139 | 0.00000 | 316523.1 | 191257.8 | 100632.1 | S |
| 102.300 | 0.0000 | 0.0000 | 85.897 | 0.11137 | 0.00000 | 316523.1 | 191261.1 | 100632.1 | S |
| 102.308 | 0.0000 | 0.0000 | 85.897 | 0.11136 | 0.00000 | 316523.1 | 191264.5 | 100632.1 | S |
| 102.317 | 0.0000 | 0.0000 | 85.897 | 0.11135 | 0.00000 | 316523.1 | 191267.8 | 100632.1 | S |
| 102.325 | 0.0000 | 0.0000 | 85.897 | 0.11134 | 0.00000 | 316523.1 | 191271.2 | 100632.1 | S |
| 102.333 | 0.0000 | 0.0000 | 85.897 | 0.11132 | 0.00000 | 316523.1 | 191274.5 | 100632.1 | S |
| 102.342 | 0.0000 | 0.0000 | 85.896 | 0.11131 | 0.00000 | 316523.1 | 191277.8 | 100632.1 | S |
| 102.350 | 0.0000 | 0.0000 | 85.896 | 0.11130 | 0.00000 | 316523.1 | 191281.2 | 100632.1 | S |
| 102.358 | 0.0000 | 0.0000 | 85.896 | 0.11129 | 0.00000 | 316523.1 | 191284.5 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/ 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | $\begin{gathered} \text { Cumulative } \\ \text { Inflow } \\ \text { Volume ( } \mathrm{f}^{3} \text { ) } \\ \hline \end{gathered}$ | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Voiume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 102.367 | 0.0000 | 0.0000 | 85.896 | 0.11127 | 0.00000 | 316523.1 | 191287.9 | 100632.1 | S |
| 102.375 | 0.0000 | 0.0000 | 85.896 | 0.11126 | 0.00000 | 316523.1 | 191291.2 | 100632.1 | S |
| 102.383 | 0.0000 | 0.0000 | 85.895 | 0.11125 | 0.00000 | 316523.1 | 191294.5 | 100632.1 | S |
| 102.392 | 0.0000 | 0.0000 | 85.895 | 0.11124 | 0.00000 | 316523.1 | 191297.9 | 100632.1 | S |
| 102.400 | 0.0000 | 0.0000 | 85.895 | 0.11122 | 0.00000 | 316523.1 | 191301.2 | 100632.1 | S |
| 102.408 | 0.0000 | 0.0000 | 85.895 | 0.11121 | 0.00000 | 316523.1 | 191304.5 | 100632.1 | S |
| 102.417 | 0.0000 | 0.0000 | 85.895 | 0.11120 | 0.00000 | 316523.1 | 191307.9 | 100632.1 | S |
| 102.425 | 0.0000 | 0.0000 | 85.894 | 0.11119 | 0.00000 | 316523.1 | 191311.2 | 100632. | S |
| 102.433 | 0.0000 | 0.0000 | 85.894 | 0.11117 | 0.00000 | 316523.1 | 191314.5 | 100632.1 | S |
| 102.442 | 0.0000 | 0.0000 | 85.894 | 0.11116 | 0.00000 | 316523.1 | 191317.9 | 100632.1 | S |
| 102.450 | 0.0000 | 0.0000 | 85.894 | 0.111175 | 0.00000 | 316523.1 | 191321.2 | 100632.1 | 5 |
| 102.458 | 0.0000 | 0.0000 | 85.894 | 0.11114 | 0.00000 | 316523.1 | 191324.5 | 100632.1 | 5 |
| 102.467 | 0.0000 | 0.0000 | 85.893 | 0.11112 | 0.00000 | 316523.1 | 191327.9 | 100632.1 | 5 |
| 102.475 | 0.0000 | 0.0000 | 85.893 | 0.11111 | 0.00000 | 316523.1 | 191331.2 | 100632.1 | S |
| 102.483 | 0.0000 | 0.0000 | 85.893 | 0.11110 | 0.00000 | 316523.1 | 191334.5 | 100632.1 | S |
| 102.492 | 0.0000 | 0.0000 | 85.893 | 0.11109 | 0.00000 | 316523.1 | 191337.9 | 100632.7 | S |
| 102.500 | 0.0000 | 0.0000 | 85.892 | 0.11107 | 0.00000 | 316523.1 | 191341.2 | 100632.1 | S |
| 102.508 | 0.0000 | 0.0000 | 85.892 | 0.11106 | 0.00000 | 316523.1 | 191344.5 | 100632.1 | S |
| 102.517 | 0.0000 | 0.0000 | 85.892 | 0.11105 | 0.00000 | 316523.1 | 191347.9 | 100632.1 | S |
| 102.525 | 0.0000 | 0.0000 | 85.892 | 0.11104 | 0.00000 | 316523.1 | 191351.2 | 100632.1 | S |
| 102.533 | 0.0000 | 0.0000 | 85.892 | 0.11102 | 0.00000 | 316523.1 | 191354.5 | 100632.1 | S |
| 102.542 | 0.0000 | 0.0000 | 85.891 | 0.11101 | 0.00000 | 316523.1 | 191357.9 | 100632.1 | S |
| 102.550 | 0.0000 | 0,0000 | 85.891 | 0.11100 | 0.00000 | 316523.1 | 191361.2 | 100632.1 | S |
| 102.558 | 0.0000 | 0.0000 | 85.891 | 0.11099 | 0.00000 | 316523.1 | 191364.5 | 100632.1 | S |
| 102.567 | 0.0000 | 0.0000 | 85.891 | 0.11097 | 0.00000 | 316523.1 | 191367.9 | 100632.1 | S |
| 102.575 | 0.0000 | 0.0000 | 85.891 | 0.11096 | 0.00000 | 316523.1 | 191371.2 | 100632.1 | S |
| 102.583 | 0.0000 | 0.0000 | 85.890 | 0.11095 | 0.00000 | 316523.1 | 191374.5 | 100632.1 | S |
| 102.592 | 0.0000 | 0.0000 | 85.890 | 0.11094 | 0.00000 | 316523.1 | 191377.8 | 100632.1 | S |
| 102.600 | 0.0000 | 0.0000 | 85.890 | 0.11092 | 0.00000 | 316523.1 | 191381.2 | 100632.1 | S |
| 102.608 | 0.0000 | 0.0000 | 85.890 | 0.11091 | 0.00000 | 316523.1 | 191384.5 | 100632.1 | S |
| 102.617 | 0.0000 | 0.0000 | 85.890 | 0.11090 | 0.00000 | 316523.1 | 191387.8 | 100632.1 | S |
| 102.625 | 0.0000 | 0.0000 | 85.889 | 0.11089 | 0.00000 | 316523.1 | 191391.2 | 100632.1 | S |
| 102.633 | 0.0000 | 0.0000 | 85.889 | 0.11087 | 0.00000 | 316523.1 | 191394.5 | 100632.1 | S |
| 102.642 | 0.0000 | 0.0000 | 85.889 | 0.11086 | 0.00000 | 316523.1 | 191397.8 | 100632.1 | S |
| 102.650 | 0.0000 | 0.0000 | 85.889 | 0.11085 | 0.00000 | 316523.1 | 191401.1 | 100632.1 | S |
| 102.658 | 0.0000 | 0.0000 | 85.889 | 0.11084 | 0.00000 | 316523.1 | 191404.5 | 100632.1 | S |
| 102.667 | 0.0000 | 0.0000 | 85.888 | 0.17082 | 0.00000 | 316523.1 | 191407.8 | 100632.1 | S |
| 102.675 | 0.0000 | 0.0000 | 85.888 | 0.11081 | 0.00000 | 316523.1 | 191411.1 | 100632.1 | S |
| 102.683 | 0.0000 | 0.0000 | 85.888 | 0.11080 | 0.00000 | 316523.1 | 191414.4 | 100632.1 | S |
| 102.692 | 0.0000 | 0.0000 | 85.888 | 0.11079 | 0.00000 | 316523.1 | 191417.8 | 100632.1 | S |
| 102.700 | 0.0000 | 0.0000 | 85.888 | 0.11077 | 0.00000 | 316523.1 | 191421.1 | 100632.1 | S |
| 102.708 | 0.0000 | 0.0000 | 85.887 | 0.11076 | 0.00000 | 316523.1 | 191424.4 | 100632.1 | S |
| 102.717 | 0.0000 | 0.0000 | 85.887 | 0.11075 | 0.00000 | 316523.1 | 191427.7 | 100632.1 | S |
| 102.725 | 0.0000 | 0.0000 | 85.887 | 0.11074 | 0.00000 | 316523.1 | 191431.0 | 100632.1 | S |
| 102.733 | 0.0000 | 0.0000 | 85.887 | 0.11072 | 0.00000 | 316523.1 | 191434.4 | 100632.1 | S |
| 102.742 | 0.0000 | 0.0000 | 85.886 | 0.11071 | 0.00000 | 316523.1 | 191437.7 | 100632.1 | S |
| 102.750 | 0.0000 | 0.0000 | 85.886 | 0.11070 | 0.00000 | 316523.1 | 191441.0 | 100632.1 | S |
| 102.758 | 0.0000 | 0.0000 | 85.886 | 0.11069 | 0.00000 | 316523.1 | 191444.3 | 100632.1 | S |
| 102.767 | 0.0000 | 0.0000 | 85.886 | 0.11067 | 0.00000 | 316523.1 | 191447.7 | 100632.1 | S |
| 102.775 | 0.0000 | 0.0000 | 85.886 | 0.11066 | 0.00000 | 316523.1 | 191451.0 | 100632.1 | S |
| 102.783 | 0.0000 | 0.0000 | 85.885 | 0.11065 | 0.00000 | 316523.1 | 191454.3 | 100632.1 | S |
| 102.792 | 0.0000 | 0.0000 | 85.885 | 0.11064 | 0.00000 | 316523.1 | 191457.6 | 100632.1 | S |
| 102.800 | 0.0000 | 0.0000 | 85.885 | 0.11062 | 0.00000 | 316523.1 | 191460.9 | 100632.1 | S |
| 102.808 | 0.0000 | 0.0000 | 85.885 | 0.11061 | 0.00000 | 316523.1 | 191464.3 | 100632.1 | S |
| 102.817 | 0.0000 | 0.0000 | 85.885 | 0.11060 | 0.00000 | 316523.1 | 191467.6 | 100632.1 | S |
| 102.825 | 0.0000 | 0.0000 | 85.884 | 0.11059 | 0.00000 | 316523.1 | 191470.9 | 100632.1 | S |
| 102.833 | 0.0000 | 0.0000 | 85.884 | 0.11057 | 0.00000 | 316523.1 | 191474.2 | 100632.1 | S |
| 102.842 | 0.0000 | 0.0000 | 85.884 | 0.11056 | 0.00000 | 316523.1 | 191477.5 | 100632.1 | S |
| 102.850 | 0.0000 | 0.0000 | 85.884 | 0.11055 | 0.00000 | 316523.1 | 191480.8 | 100632.1 | S |
| 102.858 | 0.0000 | 0.0000 | 85.884 | 0.11054 | 0.00000 | 316523.1 | 191484.2 | 100632.1 | S |
| 102.867 | 0.0000 | 0.0000 | 85.883 | 0.11053 | 0.00000 | 316523.1 | 191487.5 | 100632.1 | S |
| 102.875 | 0.0000 | 0.0000 | 85.883 | 0.11051 | 0.00000 | 316523.1 | 191490.8 | 100632.1 | S |
| 102.883 | 0.0000 | 0.0000 | 85.883 | 0.11050 | 0.00000 | 316523.1 | 191494.1 | 100632.1 | S |
| 102.892 | 0.0000 | 0.0000 | 85.883 | 0.11049 | 0.00000 | 316523.1 | 191497.4 | 100632.1 | S |
| 102.900 | 0.0000 | 0.0000 | 85.883 | 0.11048 | 0.00000 | 316523.1 | 191500.7 | 100632.1 | S |
| 102.908 | 0.0000 | 0.0000 | 85.882 | 0.11046 | 0.00000 | 316523.1 | 191504.0 | 100632.1 | 5 |
| 102.917 | 0.0000 | 0.0000 | 85.882 | 0.11045 | 0.00000 | 316523.1 | 191507.4 | 100632.1 | S |
| 102.925 | 0.0000 | 0.0000 | 85.882 | 0.11044 | 0.00000 | 316523.1 | 191510.7 | 100632.1 | S |
| 102.933 | 0.0000 | 0.0000 | 85.882 | 0.11043 | 0.00000 | 316523.1 | 191514.0 | 100632.1 | S |
| 102.942 | 0.0000 | 0.0000 | 85.882 | 0.11041 | 0.00000 | 316523.1 | 191517.3 | 100632.1 | S |
| 102.950 | 0.0000 | 0.0000 | 85.881 | 0.11040 | 0.00000 | 316523.1 | 191520.6 | 100632.1 | S |
| 102.958 | 0.0000 | 0.0000 | 85.881 | 0.11039 | 0.00000 | 316523.1 | 191523.9 | 100632.1 | S |
| 102.967 | 0.0000 | 0.0000 | 85.881 | 0.11038 | 0.00000 | 316523.1 | 191527.2 | 100632.1 | S |
| 102.975 | 0.0000 | 0.0000 | 85.881 | 0.11036 | 0.00000 | 316523.1 | 191530.5 | 100632.1 | S |

PONDS Version 3.2.0207

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infittration Rate (fils) | Overtow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Votume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 102.983 | 0.0000 | 0.0000 | 85.880 | 0.11035 | 0.00000 | 316523.1 | 191533.9 | 100632.1 | S |
| 102.992 | 0.0000 | 0.0000 | 85.880 | 0.11034 | 0.00000 | 316523.1 | 191537.2 | 100632.1 | S |
| 103.000 | 0.0000 | 0.0000 | 85.880 | 0.11033 | 0.00000 | 316523.1 | 191540.5 | 100632.1 | S |
| 103.008 | 0.0000 | 0.0000 | 85.880 | 0.11031 | 0.00000 | 316523.1 | 191543.8 | 100632.1 | S |
| 103.017 | 0.0000 | 0.0000 | 85.880 | 0.11030 | 0.00000 | 316523.1 | 191547.1 | 100632.1 | S |
| 103.025 | 0.0000 | 0.0000 | 85.879 | 0.11029 | 0.00000 | 316523.1 | 191550.4 | 100632.1 | S |
| 103.033 | 0.0000 | 0.0000 | 85.879 | 0.11028 | 0.00000 | 316523.1 | 191553.7 | 100632.1 | S |
| 103.042 | 0.0000 | 0.0000 | 85.879 | 0.11027 | 0.00000 | 316523.1 | 191557.0 | 100632.1 | S |
| 103.050 | 0.0000 | 0.0000 | 85.879 | 0.11025 | 0.00000 | 316523.1 | 191560.3 | 100632.1 | S |
| 103.058 | 0.0000 | 0.0000 | 85.879 | 0.11024 | 0.00000 | 316523.1 | 191563.6 | 100632.1 | S |
| 103.067 | 0.0000 | 0.0000 | 85.878 | 0.11023 | 0.00000 | 316523.1 | 191566.9 | 100632.1 | S |
| 103.075 | 0.0000 | 0.0000 | 85.878 | 0.11022 | 0.00000 | 316523.1 | 191570.3 | 100632.1 | S |
| 103.083 | 0.0000 | 0.0000 | 85.878 | 0.11020 | 0.00000 | 316523.1 | 191573.6 | 100632.1 | S |
| 103.092 | 0.0000 | 0.0000 | 85.878 | 0.11019 | 0.00000 | 316523.1 | 191576.9 | 100632.1 | S |
| 103.100 | 0.0000 | 0.0000 | 85.878 | 0.11018 | 0.00000 | 316523.1 | 191580.2 | 100632.1 | S |
| 103.108 | 0.0000 | 0.0000 | 85.877 | 0.11017 | 0.00000 | 316523.1 | 191583.5 | 100632.1 | S |
| 103.117 | 0.0000 | 0.0000 | 85.877 | 0.11015 | 0.00000 | 316523.1 | 191586.8 | 100632.1 | S |
| 103.125 | 0.0000 | 0.0000 | 85.877 | 0.11014 | 0.00000 | 316523.1 | 191590.1 | 100632.1 | S |
| 103.133 | 0.0000 | 0.0000 | 85.877 | 0.11013 | 0.00000 | 316523.1 | 191593.4 | 100632.1 | S |
| 103.142 | 0.0000 | 0.0000 | 85.877 | 0.11012 | 0.00000 | 316523.1 | 191596.7 | 100632.1 | S |
| 103.150 | 0.0000 | 0.0000 | 85.876 | 0.11010 | 0.00000 | 316523.1 | 191600.0 | 100632.1 | S |
| 103.158 | 0.0000 | 0.0000 | 85.876 | 0.11009 | 0.00000 | 316523.1 | 191603.3 | 100632.1 | S |
| 103.167 | 0.0000 | 0.0000 | 85.876 | 0.11008 | 0.00000 | 316523.1 | 191606.6 | 100632.1 | S |
| 103.175 | 0.0000 | 0.0000 | 85.876 | 0.11007 | 0.00000 | 316523.1 | 191609.9 | 100632.1 | S |
| 103.183 | 0.0000 | 0.0000 | 85.876 | 0.11006 | 0.00000 | 316523.1 | 191613.2 | 100632.1 | S |
| 103.192 | 0.0000 | 0.0000 | 85.875 | 0.11004 | 0.00000 | 316523.1 | 191616.5 | 100632.1 | S |
| 103.200 | 0.0000 | 0.0000 | 85.875 | 0.11003 | 0.00000 | 316523.1 | 191619.8 | 100632.1 | S |
| 103.208 | 0.0000 | 0.0000 | 85.875 | 0.11002 | 0.00000 | 316523.1 | 191623.1 | 100632.1 | S |
| 103.217 | 0.0000 | 0.0000 | 85.875 | 0.11001 | 0.00000 | 316523.1 | 191626.4 | 100632.1 | S |
| 103.225 | 0.0000 | 0.0000 | 85.875 | 0.10999 | 0.00000 | 316523.1 | 191629.7 | 100632.1 | S |
| 103.233 | 0.0000 | 0.0000 | 85.874 | 0.10998 | 0.00000 | 316523.1 | 191633.0 | 100632.1 | S |
| 103.242 | 0.0000 | 0.0000 | 85.874 | 0.10997 | 0.00000 | 316523.1 | 191636.3 | 100632.1 | S |
| 103.250 | 0.0000 | 0.0000 | 85.874 | 0.10996 | 0.00000 | 316523.1 | 191639.6 | 100632.1 | S |
| 103.258 | 0.0000 | 0.0000 | 85.874 | 0.10994 | 0.00000 | 316523.1 | 191642.9 | 100632.1 | S |
| 103.267 | 0.0000 | 0.0000 | 85.873 | 0.10993 | 0.00000 | 316523.1 | 191646.2 | 100632.1 | S |
| 103.275 | 0.0000 | 0.0000 | 85.873 | 0.10992 | 0.00000 | 316523.1 | 191649.5 | 100632.1 | S |
| 103.283 | 0.0000 | 0.0000 | 85.873 | 0.10991 | 0.00000 | 316523.1 | 191652.8 | 100632.1 | S |
| 103.292 | 0.0000 | 0.0000 | 85.873 | 0.10990 | 0.00000 | 316523.1 | 191656.1 | 100632.1 | S |
| 103.300 | 0.0000 | 0.0000 | 85.873 | 0.10988 | 0.00000 | 316523.1 | 191659.4 | 100632.1 | S |
| 103.308 | 0.0000 | 0.0000 | 85.872 | 0.10987 | 0.00000 | 316523.1 | 191662.7 | 100632.1 | S |
| 103.317 | 0.0000 | 0.0000 | 85.872 | 0.10986 | 0.00000 | 316523.1 | 191666.0 | 100632.1 | S |
| 103.325 | 0.0000 | 0.0000 | 85.872 | 0.10985 | 0.00000 | 316523.1 | 191669.3 | 100632.1 | S |
| 103.333 | 0.0000 | 0.0000 | 85.872 | 0.10983 | 0.00000 | 316523.1 | 191672.6 | 100632.1 | S |
| 103.342 | 0.0000 | 0.0000 | 85.872 | 0.10982 | 0.00000 | 316523.1 | 191675.9 | 100632.1 | S |
| 103.350 | 0.0000 | 0.0000 | 85.871 | 0.10981 | 0.00000 | 316523.1 | 191679.2 | 100632.1 | S |
| 103.358 | 0.0000 | 0.0000 | 85.871 | 0.10980 | 0.00000 | 316523.1 | 191682.5 | 100632. ${ }^{\text {a }}$ | S |
| 103.367 | 0.0000 | 0.0000 | 85.871 | 0.10978 | 0.00000 | 316523.1 | 191685.8 | 100632.1 | S |
| 103.375 | 0.0000 | 0.0000 | 85.871 | 0.10977 | 0.00000 | 316523.1 | 191689.0 | 100632.1 | S |
| 103.383 | 0.0000 | 0.0000 | 85.871 | 0.10976 | 0.00000 | 316523.1 | 191692.3 | 100632.1 | S |
| 103.392 | 0.0000 | 0.0000 | 85.870 | 0.10975 | 0.00000 | 316523.1 | 191695.6 | 100632.1 | S |
| 103.400 | 0.0000 | 0.0000 | 85.870 | 0.10974 | 0.00000 | 316523.1 | 191698.9 | 100632.1 | S |
| 103.408 | 0.0000 | 0.0000 | 85.870 | 0.10972 | 0.00000 | 316523.1 | 191702.2 | 100632.1 | S |
| 103.417 | 0.0000 | 0.0000 | 85.870 | 0.10971 | 0.00000 | 316523.1 | 191705.5 | 100632.1 | S |
| 103.425 | 0.0000 | 0.0000 | 85.870 | 0.10970 | 0.00000 | 316523.1 | 191708.8 | 100632.1 | S |
| 103.433 | 0.0000 | 0.0000 | 85.869 | 0.10969 | 0.00000 | 316523.1 | 191712.3 | 100632.1 | S |
| 103.442 | 0.0000 | 0.0000 | 85.869 | 0.10967 | 0.00000 | 316523.1 | 191715.4 | 100632.1 | S |
| 103.450 | 0.0000 | 0.0000 | 85.869 | 0.10966 | 0.00000 | 316523.1 | 191718.7 | 100632.1 | S |
| 103.458 | 0.0000 | 0.0000 | 85.869 | 0.10965 | 0.00000 | 316523.1 | 191722.0 | 100632.1 | S |
| 103.467 | 0.0000 | 0.0000 | 85.869 | 0.10964 | 0.00000 | 316523.1 | 191725.3 | 100632.1 | S |
| 103.475 | 0.0000 | 0.0000 | 85.868 | 0.10963 | 0.00000 | 316523.1 | 191728.5 | 100632.1 | S |
| 103.483 | 0.0000 | 0.0000 | 85.868 | 0.10961 | 0.00000 | 316523.1 | 191731.8 | 100632.1 | S |
| 103.492 | 0.0000 | 0.0000 | 85.868 | 0.10960 | 0.00000 | 316523.1 | 191735.1 | 100632.1 | S |
| 103.500 | 0.0000 | 0.0000 | 85.868 | 0.10959 | 0.00000 | 316523.1 | 191738.4 | 100632.1 | S |
| 103.508 | 0.0000 | 0.0000 | 85.868 | 0.10958 | 0.00000 | 316523.1 | 191741.7 | 100632.1 | S |
| 103.517 | 0.0000 | 0.0000 | 85.867 | 0.10956 | 0.00000 | 316523.1 | 191745.0 | 100632.1 | S |
| 103.525 | 0.0000 | 0.0000 | 85.867 | 0.10955 | 0.00000 | 316523.1 | 191748.3 | 100632.1 | S |
| 103.533 | 0.0000 | 0.0000 | 85.867 | 0.10954 | 0.00000 | 316523.1 | 191751.5 | 100632.1 | S |
| 103.542 | 0.0000 | 0.0000 | 85.867 | 0.10953 | 0.00000 | 316523.1 | 191754.8 | 100632.1 | S |
| 103.550 | 0.0000 | 0.0000 | 85.866 | 0.10952 | 0.00000 | 316523.1 | 191758.1 | 100632.1 | S |
| 103.558 | 0.0000 | 0.0000 | 85.866 | 0.10950 | 0.00000 | 316523.1 | 191761.4 | 100632.1 | S |
| 103.567 | 0.0000 | 0.0000 | 85.866 | 0.10949 | 0.00000 | 316523.1 | 191764.7 | 100632.1 | S |
| 103.575 | 0.0000 | 0.0000 | 85.866 | 0.10948 | 0.00000 | 316523.1 | 191768.0 | 100632.1 | S |
| 103.583 | 0.0000 | 0.0000 | 85.866 | 0.10947 | 0.00000 | 316523.1 | 191771.3 | 100632.1 | S |
| 103.592 | 0.0000 | 0.0000 | 85.865 | 0.10945 | 0.00000 | 316523.1 | 191774.5 | 100632.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario $1::$ pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{fl}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( ft ) | Cumulative infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 103.600 | 0.0000 | 0.0000 | 85.865 | 0.10944 | 0.00000 | 316523.1 | 191777.8 | 100632.1 | S |
| 103.608 | 0.0000 | 0.0000 | 85.865 | 0.10943 | 0.00000 | 316523.1 | 191781.1 | 100632.1 | S |
| 103.617 | 0.0000 | 0.0000 | 85.865 | 0.10942 | 0.00000 | 316523.1 | 191784.4 | 100632.1 | S |
| 103.625 | 0.0000 | 0.0000 | 85.865 | 0.10941 | 0.00000 | 316523.1 | 191787.7 | 100632.4 | S |
| 103.633 | 0.0000 | 0.0000 | 85.864 | 0.10939 | 0.00000 | 316523.1 | 191791.0 | 100632.1 | S |
| 103.642 | 0.0000 | 0.0000 | 85.864 | 0.10938 | 0.00000 | 316523.1 | 191794.2 | 100632.1 | S |
| 103.650 | 0.0000 | 0.0000 | 85.864 | 0.10937 | 0.00000 | 316523.1 | 191797.5 | 100632.1 | S |
| 103.658 | 0.0000 | 0.0000 | 85.864 | 0.10936 | 0.00000 | 316523.1 | 191800.8 | 100632.1 | S |
| 103.667 | 0.0000 | 0.0000 | 85.864 | 0.10934 | 0.00000 | 316523.1 | 191804.1 | 100632.1 | S |
| 103.675 | 0.0000 | 0.0000 | 85.863 | 0.10933 | 0.00000 | 316523.1 | 191807.4 | 100632.1 | S |
| 103.683 | 0.0000 | 0.0000 | 85.863 | 0.10932 | 0.00000 | 316523.1 | 191810.6 | 100632.1 | S |
| 103.692 | 0.0000 | 0.0000 | 85.863 | 0.10931 | 0.00000 | 316523.1 | 191813.9 | 100632.1 | S |
| 103.700 | 0.0000 | 0.0000 | 85.863 | 0.10930 | 0.00000 | 316523.1 | 191817.2 | 100632.1 | S |
| $\{03.708$ | 0.0000 | 0.0000 | 85.863 | 0.10928 | 0.00000 | 316523.1 | 191820.5 | 100632.1 | S |
| 103.717 | 0.0000 | 0.0000 | 85.862 | 0.10927 | 0.00000 | 316523.1 | 191823.8 | 100632.1 | S |
| 103.725 | 0.0000 | 0.0000 | 85.862 | 0.10926 | 0.00000 | 316523.1 | 191827.0 | 100632.1 | S |
| 103.733 | 0.0000 | 0.0000 | 85.862 | 0.10925 | 0.00000 | 316523.1 | 191830.3 | 100632.1 | S |
| 103.742 | 0.0000 | 0.0000 | 85.862 | 0.10923 | 0.00000 | 316523.1 | 191833.6 | 100632.1 | S |
| 103.750 | 0.0000 | 0.0000 | 85.862 | 0.10922 | 0.00000 | 316523.1 | 191836.9 | 100632.1 | S |
| 103.758 | 0.0000 | 0.0000 | 85.861 | 0.10921 | 0.00000 | 316523.1 | 191840.1 | 100632.1 | S |
| 103.767 | 0.0000 | 0.0000 | 85.861 | 0.10920 | 0.00000 | 316523.1 | 191843.4 | 100632.1 | S |
| 103.775 | 0.0000 | 0.0000 | 85.861 | 0.10919 | 0.00000 | 316523.1 | 191846.7 | 100632.1 | S |
| 103.783 | 0.0000 | 0.0000 | 85.861 | 0.10917 | 0.00000 | 316523.1 | 191850.0 | 100632.1 | S |
| 103.792 | 0.0000 | 0.0000 | 85.861 | 0.10916 | 0.00000 | 316523.1 | 191853.3 | 100632.1 | S |
| 103.800 | 0.0000 | 0.0000 | 85.860 | 0.10915 | 0.00000 | 316523.1 | 191856.5 | 100632.1 | S |
| 103.808 | 0.0000 | 0.0000 | 85.860 | 0.10914 | 0.00000 | 316523.1 | 191859.8 | 100632.1 | S |
| 103.817 | 0.0000 | 0.0000 | 85.860 | 0.10912 | 0.00000 | 316523.1 | 191863.1 | 100632.1 | S |
| 103.825 | 0.0000 | 0.0000 | 85.860 | 0.10911 | 0.00000 | 316523.1 | 191866.3 | 100632.1 | S |
| 103.833 | 0.0000 | 0.0000 | 85.860 | 0.10910 | 0.00000 | 316523.1 | 191869.6 | 100632.1 | S |
| 103.842 | 0.0000 | 0.0000 | 85.859 | 0.10909 | 0.00000 | 316523.1 | 191872.9 | 100632.7 | S |
| 103.850 | 0.0000 | 0.0000 | 85.859 | 0.10908 | 0.00000 | 316523.1 | 191876.2 | 100632.1 | S |
| 103.858 | 0.0000 | 0.0000 | 85.859 | 0.10906 | 0.00000 | 316523.1 | 191879.4 | 100632.1 | S |
| 103.867 | 0.0000 | 0.0000 | 85.859 | 0.10905 | 0.00000 | 316523.1 | 191882.7 | 100632.1 | S |
| 103.875 | 0.0000 | 0.0000 | 85.858 | 0.10904 | 0.00000 | 316523.1 | 191886.0 | 100632.1 | S |
| 103.883 | 0.0000 | 0.0000 | 85.858 | 0.10903 | 0.00000 | 316523.1 | 191889.3 | 100632.1 | S |
| 103.892 | 0.0000 | 0.0000 | 85.858 | 0.10902 | 0.00000 | 316523.1 | 191892.5 | 100632.1 | S |
| 103.900 | 0.0000 | 0.0000 | 85.858 | 0.10900 | 0.00000 | 316523.1 | 191895.8 | 100632.1 | S |
| 103.908 | 0.0000 | 0.0000 | 85.858 | 0.10899 | 0.00000 | 316523.1 | 191899.1 | 100632.1 | S |
| 103.917 | 0.0000 | 0.0000 | 85.857 | 0.10898 | 0.00000 | 316523.1 | 191902.3 | 100632.1 | S |
| 103.925 | 0.0000 | 0.0000 | 85.857 | 0.10897 | 0.00000 | 316523.1 | 191905.6 | 100632.1 | S |
| 103.933 | 0.0000 | 0.0000 | 85.857 | 0.10895 | 0.00000 | 316523.1 | 191908.9 | 100632.1 | S |
| 103.942 | 0.0000 | 0.0000 | 85.857 | 0.10894 | 0.00000 | 316523.1 | 191912.1 | 100632.1 | S |
| 103.950 | 0.0000 | 0.0000 | 85.857 | 0.10893 | 0.00000 | 316523.1 | 191915.4 | 100632.1 | S |
| 103.958 | 0.0000 | 0.0000 | 85.856 | 0.10892 | 0.00000 | 316523.1 | 191918.7 | 100632.1 | S |
| 103.967 | 0.0000 | 0.0000 | 85.856 | 0.10891 | 0.00000 | 316523.1 | 191921.9 | 100632.1 | S |
| 103.975 | 0.0000 | 0.0000 | 85.856 | 0.10889 | 0.00000 | 316523.1 | 191925.2 | 100632.1 | S |
| 103.983 | 0.0000 | 0.0000 | 85.856 | 0.10888 | 0.00000 | 316523.1 | 191928.5 | 100632.1 | S |
| 103.992 | 0.0000 | 0.0000 | 85.856 | 0.10887 | 0.00000 | 316523.1 | 191931.7 | 100632.1 | S |
| 104.000 | 0.0000 | 0.0000 | 85.855 | 0.10886 | 0.00000 | 316523.1 | 191935.0 | 100632.1 | S |
| 104.008 | 0.0000 | 0.0000 | 85.855 | 0.10885 | 0.00000 | 316523.1 | 191938.3 | 100632.1 | S |
| 104.017 | 0.0000 | 0.0000 | 85.855 | 0.10883 | 0.00000 | 316523.1 | 191941.5 | 100632.1 | S |
| 104.025 | 0.0000 | 0.0000 | 85.855 | 0.10882 | 0.00000 | 316523.1 | 191944.8 | 100632.1 | S |
| 104.033 | 0.0000 | 0.0000 | 85.855 | 0.10881 | 0.00000 | 316523.1 | 191948.1 | 100632.1 | S |
| 104.042 | 0.0000 | 0.0000 | 85.854 | 0.10880 | 0.00000 | 316523.1 | 191951.3 | 100632.1 | S |
| 104.050 | 0.0000 | 0.0000 | 85.854 | 0.10879 | 0.00000 | 316523.1 | 191954.6 | 100632.1 | S |
| 104.058 | 0.0000 | 0.0000 | 85.854 | 0.10877 | 0.00000 | 316523.1 | 191957.9 | 100632.1 | S |
| 104.067 | 0.0000 | 0.0000 | 85.854 | 0.10876 | 0.00000 | 316523.1 | 191961.1 | 100632.1 | S |
| 104.075 | 0.0000 | 0.0000 | 85.854 | 0.10875 | 0.00000 | 316523.1 | 191964.4 | 100632.1 | S |
| 104.083 | 0.0000 | 0.0000 | 85.853 | 0.10874 | 0.00000 | 316523.1 | 191967.6 | 100632.1 | S |
| 104.092 | 0.0000 | 0.0000 | 85.853 | 0.10872 | 0.00000 | 316523.1 | 191970.9 | 100632.1 | S |
| 104.100 | 0.0000 | 0.0000 | 85.853 | 0.10871 | 0.00000 | 316523.1 | 191974.2 | 100632.1 | S |
| 104.108 | 0.0000 | 0.0000 | 85.853 | 0.10870 | 0.00000 | 316523.1 | 191977.4 | 100632.1 | S |
| 104.117 | 0.0000 | 0.0000 | 85.853 | 0.10869 | 0.00000 | 316523.1 | 191980.7 | 100632.1 | S |
| 104.125 | 0.0000 | 0.0000 | 85.852 | 0.10868 | 0.00000 | 316523.1 | 191984.0 | 100632.1 | S |
| 104.133 | 0.0000 | 0.0000 | 85.852 | 0.10866 | 0.00000 | 316523.1 | 191987.2 | 100632.1 | S |
| 104.142 | 0.0000 | 0.0000 | 85.852 | 0.10865 | 0.00000 | 316523.1 | 191990.5 | 100632.1 | S |
| 104.150 | 0.0000 | 0.0000 | 85.852 | 0.10864 | 0.00000 | 316523.1 | 191993.7 | 100632.1 | S |
| 104.158 | 0.0000 | 0.0000 | 85.852 | 0.10863 | 0.00000 | 316523.1 | 191997.0 | 100632.1 | S |
| 104.167 | 0.0000 | 0.0000 | 85.851 | 0.10862 | 0.00000 | 316523.1 | 192000.3 | 100632.1 | S |
| 104.175 | 0.0000 | 0.0000 | 85.851 | 0.10860 | 0.00000 | 316523.1 | 192003.5 | 100632.1 | S |
| 104.183 | 0.0000 | 0.0000 | 85.851 | 0.10859 | 0.00000 | 316523.1 | 192006.8 | 100632.1 | S |
| 104.192 | 0.0000 | 0.0000 | 85.851 | 0.10858 | 0.00000 | 316523.1 | 192010.0 | 100632.1 | S |
| 104.200 | 0.0000 | 0.0000 | 85.851 | 0.10857 | 0.00000 | 316523.1 | 192013.3 | 100632.1 | S |
| 104.208 | 0.0000 | 0.0000 | 85.850 | 0.10856 | 0.00000 | 316523.1 | 192016.5 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.

Detailed Results (cont, d.)
:: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Outside Recharge (fidday) | Stage Elevation (fl datum) | Infiltration Rate ( $\mathrm{H}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 104.217 | 0.0000 | 0.0000 | 85.850 | 0.10854 | 0.00000 | 316523.1 | 192019.8 | 100632.1 | S |
| 104.225 | 0.0000 | 0.0000 | 85.850 | 0.10853 | 0.00000 | 316523.1 | 192023.0 | 100632.1 | S |
| 104.233 | 0.0000 | 0.0000 | 85.850 | 0.10852 | 0.00000 | 316523.1 | 192026.3 | 100632.1 | S |
| 104.242 | 0.0000 | 0.0000 | 85.850 | 0.10851 | 0.00000 | 316523.1 | 192029.5 | 100632.1 | S |
| 104.250 | 0.0000 | 0.0000 | 85.849 | 0.10850 | 0.00000 | 316523.1 | 192032.8 | 100632.1 | S |
| 104.258 | 0.0000 | 0.0000 | 85.849 | 0.10848 | 0.00000 | 316523.1 | 192036.1 | 100632.1 | S |
| 104.267 | 0.0000 | 0.0000 | 85.849 | 0.10847 | 0.00000 | 316523.1 | 192039.3 | 100632.1 | S |
| 104.275 | 0.0000 | 0.0000 | 85.849 | 0.10846 | 0.00000 | 316523.1 | 192042.6 | 100632.1 | S |
| 104.283 | 0,0000 | 0.0000 | 85.848 | 0.10845 | 0.00000 | 316523.1 | 192045.8 | 100632.1 | S |
| 104.292 | 0.0000 | 0.0000 | 85.848 | 0.10843 | 0.00000 | 316523.1 | 192049.1 | 100632.1 | S |
| 104.300 | 0.0000 | 0.0000 | 85.848 | 0.10842 | 0.00000 | 316523.1 | 192052.3 | 100632.1 | S |
| 104.308 | 0.0000 | 0.0000 | 85.848 | 0.10841 | 0.00000 | 316523.1 | 192055.6 | 100632.1 | S |
| 104.317 | 0.0000 | 0.0000 | 85.848 | 0.10840 | 0.00000 | 316523.1 | 192058.8 | 100632.1 | S |
| 104.325 | 0.0000 | 0.0000 | 85.847 | 0.10839 | 0.00000 | 316523.1 | 192062.1 | 100632.1 | S |
| 104.333 | 0.0000 | 0.0000 | 85.847 | 0.10837 | 0.00000 | 316523.1 | 192065.3 | 100632.1 | S |
| 104.342 | 0.0000 | 0.0000 | 85.847 | 0.10836 | 0.00000 | 316523.1 | 192068.6 | 100632.1 | S |
| 104.350 | 0.0000 | 0.0000 | 85.847 | 0.10835 | 0.00000 | 316523.1 | 192071.8 | 100632.1 | S |
| 104.358 | 0.0000 | 0.0000 | 85.847 | 0.10834 | 0.00000 | 316523.1 | 192075.1 | 100632.1 | S |
| 104.367 | 0.0000 | 0.0000 | 85.846 | 0.10833 | 0.00000 | 316523.1 | 192078.3 | 100632.1 | S |
| 104.375 | 0.0000 | 0.0000 | 85.846 | 0.10831 | 0.00000 | 316523.1 | 192081.6 | 100632.1 | S |
| 104.383 | 0.0000 | 0.0000 | 85.846 | 0.10830 | 0.00000 | 316523.1 | 192084.8 | 100632.1 | S |
| 104.392 | 0.0000 | 0.0000 | 85.846 | 0.10829 | 0.00000 | 316523.1 | 192088.1 | 100632.1 | S |
| 104.400 | 0.0000 | 0.0000 | 85.846 | 0.10828 | 0.00000 | 316523.1 | 192091.3 | 100632.1 | S |
| 104.408 | 0.0000 | 0.0000 | 85.845 | 0.10827 | 0.00000 | 316523.1 | 192094.6 | 100632.1 | S |
| 104.417 | 0.0000 | 0.0000 | 85.845 | 0.10825 | 0.00000 | 316523.1 | 192097.8 | 100632.1 | S |
| 104.425 | 0.0000 | 0.0000 | 85.845 | 0.10824 | 0.00000 | 316523.1 | 192101.1 | 100632.1 | S |
| 104.433 | 0.0000 | 0.0000 | 85.845 | 0.10823 | 0.00000 | 316523.1 | 192104.3 | 100632.1 | S |
| 104.442 | 0.0000 | 0.0000 | 85.845 | 0.10822 | 0.00000 | 316523.1 | 192107.6 | 100632.1 | S |
| 104.450 | 0.0000 | 0.0000 | 85.844 | 0.10821 | 0.00000 | 316523.1 | 192110.8 | 100632.1 | S |
| 104.458 | 0.0000 | 0.0000 | 85.844 | 0.10819 | 0.00000 | 316523.1 | 192114.1 | 100632.1 | S |
| 104.467 | 0.0000 | 0.0000 | 85.844 | 0.10818 | 0.00000 | 316523.1 | 192117.3 | 100632.1 | S |
| 104.475 | 0.0000 | 0.0000 | 85.844 | 0.10817 | 0.00000 | 316523.1 | 192120.6 | 100632.1 | S |
| 104.483 | 0.0000 | 0.0000 | 85.844 | 0.10816 | 0.00000 | 316523.1 | 192123.8 | 100632.1 | S |
| 104.492 | 0.0000 | 0.0000 | 85.843 | 0.10815 | 0.00000 | 316523.1 | 192127.0 | 100632.1 | S |
| 104.500 | 0.0000 | 0.0000 | 85.843 | 0.10813 | 0.00000 | 316523.1 | 192130.3 | 100632.1 | S |
| 104.508 | 0.0000 | 0.0000 | 85.843 | 0.10812 | 0.00000 | 316523.1 | 192133.5 | 100632.1 | S |
| 104.517 | 0.0000 | 0.0000 | 85.843 | 0.10811 | 0.00000 | 316523.1 | 192136.8 | 100632.1 | S |
| 104.525 | 0.0000 | 0.0000 | 85.843 | 0.10810 | 0.00000 | 316523.1 | 192140.0 | 100632.1 | S |
| 104.533 | 0.0000 | 0.0000 | 85.842 | 0.10809 | 0.00000 | 316523.1 | 192143.3 | 100632.1 | S |
| 104.542 | 0.0000 | 0.0000 | 85.842 | 0.10807 | 0.00000 | 316523.1 | 192146.5 | 100632.1 | S |
| 104.550 | 0.0000 | 0.0000 | 85.842 | 0.10806 | 0.00000 | 316523.1 | 192149.8 | 100632.1 | S |
| 104.558 | 0.0000 | 0.0000 | 85.842 | 0.10805 | 0.00000 | 316523.1 | 192153.0 | 100632.1 | S |
| 104.567 | 0.0000 | 0.0000 | 85.842 | 0.10804 | 0.00000 | 316523.1 | 192156.2 | 100632.1 | S |
| 104.575 | 0.0000 | 0.0000 | 85.841 | 0.10803 | 0.00000 | 316523.1 | 192159.5 | 100632.1 | S |
| 104.583 | 0.0000 | 0.0000 | 85.841 | 0.10801 | 0.00000 | 316523.1 | 192162.7 | 100632.1 | S |
| 104.592 | 0.0000 | 0.0000 | 85.841 | 0.10800 | 0.00000 | 316523.1 | 192166.0 | 100632.1 | S |
| 104.600 | 0.0000 | 0.0000 | 85.841 | 0.10799 | 0.00000 | 316523.1 | 192169.2 | 100632.1 | S |
| 104.608 | 0.0000 | 0.0000 | 85.841 | 0.10798 | 0.00000 | 316523.1 | 192172.4 | 100632.1 | S |
| 104.617 | 0.0000 | 0.0000 | 85.840 | 0.10797 | 0.00000 | 316523.1 | 192175.7 | 100632.1 | S |
| 104.625 | 0.0000 | 0.0000 | 85.840 | 0.10795 | 0.00000 | 316523.1 | 192178.9 | 100632.1 | S |
| 104.633 | 0.0000 | 0.0000 | 85.840 | 0.10794 | 0.00000 | 316523.1 | 192182.2 | 100632.1 | S |
| 104.642 | 0.0000 | 0.0000 | 85.840 | 0.10793 | 0.00000 | 316523.1 | 192185.4 | 100632.1 | S |
| 104.650 | 0.0000 | 0.0000 | 85.840 | 0.10792 | 0.00000 | 316523.1 | 192188.6 | 100632.1 | S |
| 104.658 | 0.0000 | 0.0000 | 85.839 | 0.10791 | 0.00000 | 316523.1 | 192191.9 | 100632.1 | S |
| 104.667 | 0.0000 | 0.0000 | 85.839 | 0.10789 | 0.00000 | 316523.1 | 192195.1 | 100632.1 | S |
| 104.675 | 0.0000 | 0.0000 | 85.839 | 0.10788 | 0.00000 | 316523.1 | 192198.3 | 100632.1 | S |
| 104.683 | 0.0000 | 0.0000 | 85.839 | 0.10787 | 0.00000 | 316523.1 | 192201.6 | 100632.1 | S |
| 104.692 | 0.0000 | 0.0000 | 85.839 | 0.10786 | 0.00000 | 316523.1 | 192204.8 | 100632.1 | S |
| 104.700 | 0.0000 | 0.0000 | 85.838 | 0.10785 | 0.00000 | 316523.1 | 192208.0 | 100632.1 | S |
| 104.708 | 0.0000 | 0.0000 | 85.838 | 0.10783 | 0.00000 | 316523.1 | 192211.3 | 100632.1 | S |
| 104.717 | 0.0000 | 0.0000 | 85.838 | 0.10782 | 0.00000 | 316523.1 | 192214.5 | 100632.1 | S |
| 104.725 | 0.0000 | 0.0000 | 85.838 | 0.10781 | 0.00000 | 316523.1 | 192217.8 | 100632.1 | S |
| 104.733 | 0.0000 | 0.0000 | 85.837 | 0.10780 | 0.00000 | 316523.1 | 192221.0 | 100632.1 | S |
| 104.742 | 0.0000 | 0.0000 | 85.837 | 0.10779 | 0.00000 | 316523.1 | 192224.2 | 100632.1 | S |
| 104.750 | 0.0000 | 0.0000 | 85.837 | 0.10778 | 0.00000 | 316523.1 | 192227.5 | 100632.1 | S |
| 104.758 | 0.0000 | 0.0000 | 85.837 | 0.10776 | 0.00000 | 316523.1 | 192230.7 | 100632.1 | S |
| 104.767 | 0.0000 | 0.0000 | 85.837 | 0.10775 | 0.00000 | 316523.1 | 192233.9 | 100632.1 | S |
| 104.775 | 0.0000 | 0.0000 | 85.836 | 0.10774 | 0.00000 | 316523.1 | 192237.2 | 100632.1 | S |
| 104.783 | 0.0000 | 0.0000 | 85.836 | 0.10773 | 0.00000 | 316523.1 | 192240.4 | 100632.1 | S |
| 104.792 | 0.0000 | 0.0000 | 85.836 | 0.10772 | 0.00000 | 316523.1 | 192243.6 | 100632.1 | S |
| 104.800 | 0.0000 | 0.0000 | 85.836 | 0.10770 | 0.00000 | 316523.1 | 192246.8 | 100632.1 | S |
| 104.808 | 0.0000 | 0.0000 | 85.836 | 0.10769 | 0.00000 | 316523.1 | 192250.1 | 100632.1 | S |
| 104.817 | 0.0000 | 0.0000 | 85.835 | 0.10768 | 0.00000 | 316523.1 | 192253.3 | 100632.1 | S |
| 104.825 | 0.0000 | 0.0000 | 85.835 | 0.10767 | 0.00000 | 316523.1 | 192256.5 | 100632.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:. Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Ovefflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume $\left(\mathrm{ft}^{3}\right)$ | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 104.833 | 0.0000 | 0.0000 | 85.835 | 0.10766 | 0.00000 | 316523.1 | 192259.8 | 100632.1 | S |
| 104.842 | 0.0000 | 0.0000 | 85.835 | 0.10764 | 0.00000 | 316523.1 | 192263.0 | 100632.1 | S |
| 104.850 | 0.0000 | 0.0000 | 85.835 | 0.10763 | 0.00000 | 316523.1 | 192266.2 | 100632.1 | S |
| 104.858 | 0.0000 | 0.0000 | 85.834 | 0.10762 | 0.00000 | 316523.1 | 192269.5 | 100632.1 | S |
| 104.867 | 0.0000 | 0.0000 | 85.834 | 0.10761 | 0.00000 | 316523.1 | 192272.7 | 100632.1 | S |
| 104.875 | 0.0000 | 0.0000 | 85.834 | 0.10760 | 0.00000 | 316523.1 | 192275.9 | 100632.1 | S |
| 104.883 | 0.0000 | 0.0000 | 85.834 | 0.10758 | 0.00000 | 316523.1 | 192279.1 | 100632.1 | S |
| 104.892 | 0.0000 | 0.0000 | 85.834 | 0.10757 | 0.00000 | 316523.1 | 192282.4 | 100632.1 | S |
| 104.900 | 0.0000 | 0.0000 | 85.833 | 0.10756 | 0.00000 | 316523.1 | 192285.6 | 100632.1 | S |
| 104.908 | 0.0000 | 0.0000 | 85.833 | 0.10755 | 0.00000 | 316523.1 | 192288.8 | 100632.1 | S |
| 104.917 | 0.0000 | 0.0000 | 85.833 | 0.10754 | 0.00000 | 316523.1 | 192292.0 | 100632.1 | 5 |
| 104.925 | 0.0000 | 0.0000 | 85.833 | 0.10752 | 0.00000 | 316523.1 | 192295.3 | 100632.1 | S |
| 104.933 | 0.0000 | 0.0000 | 85.833 | 0.10751 | 0.00000 | 316523.1 | 192298.5 | 100632.1 | S |
| 104.942 | 0.0000 | 0.0000 | 85.832 | 0.10750 | 0.00000 | 316523.1 | 192301.7 | 100632.1 | S |
| 104.950 | 0.0000 | 0.0000 | 85.832 | 0.10749 | 0.00000 | 316523.1 | 192305.0 | 100632.1 | S |
| 104.958 | 0.0000 | 0.0000 | 85.832 | 0.10748 | 0.00000 | 316523.1 | 192308.2 | 100632.1 | S |
| 104.967 | 0.0000 | 0.0000 | 85.832 | 0.10747 | 0.00000 | 316523.1 | 192311.4 | 100632.1 | S |
| 104.975 | 0.0000 | 0.0000 | 85.832 | 0.10745 | 0.00000 | 316523.1 | 192314.6 | 100632.1 | S |
| 104.983 | 0.0000 | 0.0000 | 85.831 | 0.10744 | 0.00000 | 316523.1 | 192317.8 | 100632.1 | 5 |
| 104.992 | 0.0000 | 0.0000 | 85.831 | 0.10743 | 0.00000 | 316523.1 | 192321.1 | 100632.7 | S |
| 105.000 | 0.0000 | 0.0000 | 85.831 | 0.10742 | 0.00000 | 316523.1 | 192324.3 | 100632.1 | S |
| 105.008 | 0.0000 | 0.0000 | 85.831 | 0.10741 | 0.00000 | 316523.1 | 192327.5 | 100632.1 | S |
| 105.017 | 0.0000 | 0.0000 | 85.831 | 0.10739 | 0.00000 | 316523.1 | 192330.7 | 100632.1 | 5 |
| 105.025 | 0.0000 | 0.0000 | 85.830 | 0.10738 | 0.00000 | 316523.1 | 192334.0 | 100632.1 | S |
| 105.033 | 0.0000 | 0.0000 | 85.830 | 0.10737 | 0.00000 | 316523.1 | 192337.2 | 100632.1 | S |
| 105.042 | 0.0000 | 0.0000 | 85.830 | 0.10736 | 0.00000 | 316523.1 | 192340.4 | 100632.1 | 5 |
| 105.050 | 0.0000 | 0.0000 | 85.830 | 0.10735 | 0.00000 | 316523.1 | 192343.6 | 100632.1 | S |
| 105.058 | 0.0000 | 0.0000 | 85.830 | 0.10733 | 0.00000 | 316523.1 | 192346.8 | 100632.1 | S |
| 105.067 | 0.0000 | 0.0000 | 85.829 | 0.10732 | 0.00000 | 316523.1 | 192350.1 | 100632.1 | S |
| 105.075 | 0.0000 | 0.0000 | 85.829 | 0.10731 | 0.00000 | 316523.1 | 192353.3 | 100632.1 | S |
| 105.083 | 0.0000 | 0.0000 | 85.829 | 0.10730 | 0.00000 | 316523.1 | 192356.5 | 100632.1 | S |
| 105.092 | 0.0000 | 0.0000 | 85.829 | 0.10729 | 0.00000 | 316523.1 | 192359.7 | 100632.1 | S |
| 105.100 | 0.0000 | 0.0000 | 85.829 | 0.10728 | 0.00000 | 316523.1 | 192362.9 | 100632.1 | S |
| 105.108 | 0.0000 | 0.0000 | 85.828 | 0.10726 | 0.00000 | 316523.1 | 192366.2 | 100632.1 | S |
| 105.117 | 0.0000 | 0.0000 | 85.828 | 0.10725 | 0.00000 | 316523.1 | 192369.4 | 100632.1 | S |
| 105.125 | 0.0000 | 0.0000 | 85.828 | 0.10724 | 0.00000 | 316523.1 | 192372.6 | 100632.1 | S |
| 105.133 | 0.0000 | 0.0000 | 85.828 | 0.10723 | 0.00000 | 316523.1 | 192375.8 | 100632.1 | S |
| 105.142 | 0.0000 | 0.0000 | 85.828 | 0.10722 | 0.00000 | 316523.1 | 192379.0 | 100632.1 | S |
| 105.150 | 0.0000 | 0.0000 | 85.827 | 0.10720 | 0.00000 | 316523.1 | 192382.2 | 100632.1 | S |
| 105.158 | 0.0000 | 0.0000 | 85.827 | 0.10719 | 0.00000 | 316523.1 | 192385.5 | 100632.1 | S |
| 105.167 | 0.0000 | 0.0000 | 85.827 | 0.10718 | 0.00000 | 316523.1 | 192388.7 | 100632.1 | 5 |
| 105.175 | 0.0000 | 0.0000 | 85.827 | 0.10717 | 0.00000 | 316523.1 | 192391.9 | 100632.1 | 5 |
| 105.183 | 0.0000 | 0.0000 | 85.827 | 0.10716 | 0.00000 | 316523.1 | 192395.1 | 100632.1 | S |
| 105.192 | 0.0000 | 0.0000 | 85.826 | 0.10715 | 0.00000 | 316523.1 | 192398.3 | 100632.1 | S |
| 105.200 | 0.0000 | 0.0000 | 85.826 | 0.10713 | 0.00000 | 316523.1 | 192401.5 | 100632.1 | S |
| 105.208 | 0.0000 | 0.0000 | 85.826 | 0.10712 | 0.00000 | 316523.1 | 192404.7 | 100632.1 | S |
| 105.217 | 0.0000 | 0.0000 | 85.826 | 0.10711 | 0.00000 | 316523.1 | 192408.0 | 100632.1 | S |
| 105.225 | 0.0000 | 0.0000 | 85.826 | 0.10710 | 0.00000 | 316523.1 | 192411.2 | 100632.1 | S |
| 105.233 | 0.0000 | 0.0000 | 85.825 | 0.10709 | 0.00000 | 316523.1 | 192414.4 | 100632.1 | S |
| 105.242 | 0.0000 | 0.0000 | 85.825 | 0.10707 | 0.00000 | 316523.1 | 192417.6 | 100632.1 | S |
| 105.250 | 0.0000 | 0.0000 | 85.825 | 0.10706 | 0.00000 | 316523.1 | 192420.8 | 100632.1 | S |
| 105.258 | 0.0000 | 0.0000 | 85.825 | 0.10705 | 0.00000 | 316523.1 | 192424.0 | 100632.1 | S |
| 105.267 | 0.0000 | 0.0000 | 85.825 | 0.10704 | 0.00000 | 316523.1 | 192427.2 | 100632.7 | S |
| 105.275 | 0.0000 | 0.0000 | 85.824 | 0.10703 | 0.00000 | 316523.1 | 192430.4 | 100632.1 | S |
| 105.283 | 0.0000 | 0.0000 | 85.824 | 0.10702 | 0.00000 | 316523.1 | 192433.7 | 100632.1 | S |
| 105.292 | 0.0000 | 0.0000 | 85.824 | 0.10700 | 0.00000 | 316523.1 | 192436.9 | 100632.1 | S |
| 105.300 | 0.0000 | 0.0000 | 85.824 | 0.10699 | 0.00000 | 316523.1 | 192440.1 | 100632.1 | S |
| 105.308 | 0.0000 | 0.0000 | 85.824 | 0.10698 | 0.00000 | 316523.1 | 192443.3 | 100632.1 | S |
| 105.317 | 0.0000 | 0.0000 | 85.823 | 0.10697 | 0.00000 | 316523.1 | 192446.5 | 100632.1 | S |
| 105.325 | 0.0000 | 0.0000 | 85.823 | 0.10696 | 0.00000 | 316523.1 | 192449.7 | 100632.1 | S |
| 105.333 | 0.0000 | 0.0000 | 85.823 | 0.10694 | 0.00000 | 316523.1 | 192452.9 | 100632.1 | S |
| 105.342 | 0.0000 | 0.0000 | 85.823 | 0.10693 | 0.00000 | 316523.1 | 192456.1 | 100632.1 | S |
| 105.350 | 0.0000 | 0.0000 | 85.823 | 0.10692 | 0.00000 | 316523.1 | 192459.3 | 100632.1 | S |
| 105.358 | 0.0000 | 0.0000 | 85.822 | 0.10691 | 0.00000 | 316523.1 | 192462.5 | 100632.1 | S |
| 105.367 | 0.0000 | 0.0000 | 85.822 | 0.10690 | 0.00000 | 316523.1 | 192465.7 | 100632.1 | S |
| 105.375 | 0.0000 | 0.0000 | 85.822 | 0.10689 | 0.00000 | 316523.1 | 192468.9 | 100632.1 | S |
| 105.383 | 0.0000 | 0.0000 | 85.822 | 0.10687 | 0.00000 | 316523.1 | 192472.2 | 100632.1 | S |
| 105.392 | 0.0000 | 0.0000 | 85.822 | 0.10686 | 0.00000 | 316523.1 | 192475.4 | 100632.1 | S |
| 105.400 | 0.0000 | 0.0000 | 85.821 | 0.10685 | 0.00000 | 316523.1 | 192478.6 | 100632.1 | S |
| 105.408 | 0.0000 | 0.0000 | 85.821 | 0.10684 | 0.00000 | 316523.1 | 192481.8 | 100632.1 | S |
| 105.417 | 0.0000 | 0.0000 | 85.821 | 0.10683 | 0.00000 | 316523.1 | 192485.0 | 100632.1 | S |
| 105.425 | 0.0000 | 0.0000 | 85.821 | 0.10681 | 0.00000 | 316523.1 | 192488.2 | 100632.1 | S |
| 105.433 | 0.0000 | 0.0000 | 85.820 | 0.10680 | 0.00000 | 316523.1 | 192491.4 | 100632.1 | S |
| 105.442 | 0.0000 | 0.0000 | 85.820 | 0.10679 | 0.00000 | 316523.1 | 192494.6 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate $\left(\mathrm{ft}^{3} / \mathrm{s}\right)$ | Overfiow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 105.450 | 0.0000 | 0.0000 | 85.820 | 0.10678 | 0.00000 | 316523.1 | 192497.8 | 100632.1 | S |
| 105.458 | 0.0000 | 0.0000 | 85.820 | 0.10677 | 0.00000 | 316523.1 | 192501.0 | 100632.1 | S |
| 105.467 | 0.0000 | 0.0000 | 85.820 | 0.10676 | 0.00000 | 316523.1 | 192504.2 | 100632.1 | S |
| 105.475 | 0.0000 | 0.0000 | 85.819 | 0.10674 | 0.00000 | 316523.1 | 192507.4 | 100632.1 | S |
| 105.483 | 0.0000 | 0.0000 | 85.819 | 0.10673 | 0.00000 | 316523.1 | 192510.6 | 100632.1 | S |
| 105.492 | 0.0000 | 0.0000 | 85.819 | 0.10672 | 0.00000 | 316523.1 | 192513.8 | 100632.1 | S |
| 105.500 | 0.0000 | 0.0000 | 85.819 | 0.10671 | 0.00000 | 316523.1 | 192517.0 | 100632.1 | S |
| 105.508 | 0.0000 | 0.0000 | 85.819 | 0.10670 | 0.00000 | 316523.1 | 192520.2 | 100632.1 | S |
| 105.517 | 0.0000 | 0.0000 | 85.818 | 0.10669 | 0.00000 | 316523.1 | 192523.4 | 100632.1 | S |
| 105.525 | 0.0000 | 0.0000 | 85.818 | 0.10667 | 0.00000 | 316523.1 | 192526.6 | 100632.1 | S |
| 105.533 | 0.0000 | 0.0000 | 85.818 | 0.10666 | 0.00000 | 316523.1 | 192529.8 | 100632.1 | S |
| 105.542 | 0.0000 | 0.0000 | 85.818 | 0.10665 | 0.00000 | 316523.1 | 192533.0 | 100632.1 | S |
| 105.550 | 0.0000 | 0.0000 | 85.818 | 0.10664 | 0.00000 | 316523.1 | 192536.2 | 100632.1 | S |
| 105.558 | 0.0000 | 0.0000 | 85.817 | 0.10663 | 0.00000 | 316523.1 | 192539.4 | 100632.1 | S |
| 105.567 | 0.0000 | 0.0000 | 85.817 | 0.10661 | 0.00000 | 316523.1 | 192542.6 | 100632.1 | S |
| 105.575 | 0.0000 | 0.0000 | 85.817 | 0.10660 | 0.00000 | 316523.1 | 192545.8 | 100632.1 | S |
| 105.583 | 0.0000 | 0.0000 | 85.817 | 0.10659 | 0.00000 | 316523.1 | 192549.0 | 100632.1 | S |
| 105.592 | 0.0000 | 0.0000 | 85.817 | 0.10658 | 0.00000 | 316523.1 | 192552.2 | 100632.1 | S |
| 105.600 | 0.0000 | 0.0000 | 85.816 | 0.10657 | 0.00000 | 316523.1 | 192555.4 | 100632.1 | S |
| 105.608 | 0.0000 | 0.0000 | 85.816 | 0.10656 | 0.00000 | 316523.1 | 192558.6 | 100632.1 | S |
| 105.617 | 0.0000 | 0.0000 | 85.816 | 0.10654 | 0.00000 | 316523.1 | 192561.8 | 100632.1 | S |
| 105.625 | 0.0000 | 0.0000 | 85.816 | 0.10653 | 0.00000 | 316523.1 | 192565.0 | 100632.1 | S |
| 105.633 | 0.0000 | 0.0000 | 85.816 | 0.10652 | 0.00000 | 316523.1 | 192568.2 | 100632.1 | S |
| 105.642 | 0.0000 | 0.0000 | 85.815 | 0.10651 | 0.00000 | 316523.1 | 192571.4 | 100632.1 | S |
| 105.650 | 0.0000 | 0.0000 | 85.815 | 0.10650 | 0.00000 | 316523.1 | 192574.6 | 100632.1 | S |
| 105.658 | 0.0000 | 0.0000 | 85.815 | 0.10649 | 0.00000 | 316523.1 | 192577.8 | 100632.1 | S |
| 105.667 | 0.0000 | 0.0000 | 85.815 | 0.10647 | 0.00000 | 316523.1 | 192581.0 | 100632.1 | S |
| 105.675 | 0.0000 | 0.0000 | 85.815 | 0.10646 | 0.00000 | 316523.1 | 192584.2 | 100632.1 | S |
| 105.683 | 0.0000 | 0.0000 | 85.814 | 0.10645 | 0.00000 | 316523.1 | 192587.3 | 100632.1 | S |
| 105.692 | 0.0000 | 0.0000 | 85.814 | 0.10644 | 0.00000 | 316523.1 | 192590.5 | 100632.1 | S |
| 105.700 | 0.0000 | 0.0000 | 85.814 | 0.10643 | 0.00000 | 316523.1 | 192593.7 | 100632.1 | S |
| 105.708 | 0.0000 | 0.0000 | 85.814 | 0.10642 | 0.00000 | 316523.1 | 192596.9 | 100632.1 | S |
| 105.717 | 0.0000 | 0.0000 | 85.814 | 0.10640 | 0.00000 | 316523.1 | 192600.1 | 100632.1 | S |
| 105.725 | 0.0000 | 0.0000 | 85.813 | 0.10639 | 0.00000 | 316523.1 | 192603.3 | 100632.1 | S |
| 105.733 | 0.0000 | 0.0000 | 85.813 | 0.10638 | 0.00000 | 316523.1 | 192606.5 | 100632.1 | S |
| 105.742 | 0.0000 | 0.0000 | 85.813 | 0.10637 | 0.00000 | 316523.1 | 192609.7 | 100632.1 | S |
| 105.750 | 0.0000 | 0.0000 | 85.813 | 0.10636 | 0.00000 | 316523.1 | 192612.9 | 100632.1 | S |
| 105.758 | 0.0000 | 0.0000 | 85.813 | 0.10634 | 0.00000 | 316523.1 | 192616.1 | 100632.1 | S |
| 105.767 | 0.0000 | 0.0000 | 85.812 | 0.10633 | 0.00000 | 316523.1 | 192619.3 | 100632.1 | S |
| 105.775 | 0.0000 | 0.0000 | 85.812 | 0.10632 | 0.00000 | 316523.1 | 192622.5 | 100632.1 | S |
| 105.783 | 0.0000 | 0.0000 | 85.812 | 0.10631 | 0.00000 | 316523.1 | 192625.6 | 100632.1 | S |
| 105.792 | 0.0000 | 0.0000 | 85.812 | 0.10630 | 0.00000 | 316523.1 | 192628.8 | 100632.1 | S |
| 105.800 | 0.0000 | 0.0000 | 85.812 | 0.10629 | 0.00000 | 316523.1 | 192632.0 | 100632.1 | S |
| 105.808 | 0.0000 | 0.0000 | 85.811 | 0.10627 | 0.00000 | 316523.1 | 192635.2 | 100632.1 | S |
| 105.817 | 0.0000 | 0.0000 | 85.811 | 0.10626 | 0.00000 | 316523.1 | 192638.4 | 100632.1 | S |
| 105.825 | 0.0000 | 0.0000 | 85.811 | 0.10625 | 0.00000 | 316523.1 | 192641.6 | 100632.1 | S |
| 105.833 | 0.0000 | 0.0000 | 85.811 | 0.10624 | 0.00000 | 316523.1 | 192644.8 | 100632.1 | S |
| 105.842 | 0.0000 | 0.0000 | 85.811 | 0.10623 | 0.00000 | 316523.1 | 192648.0 | 100632.1 | S |
| 105.850 | 0.0000 | 0.0000 | 85.810 | 0.10622 | 0.00000 | 316523.1 | 192651.1 | 100632.1 | S |
| 105.858 | 0.0000 | 0.0000 | 85.810 | 0.10620 | 0.00000 | 316523.1 | 192654.3 | 100632.1 | S |
| 105.867 | 0.0000 | 0.0000 | 85.810 | 0.10619 | 0.00000 | 316523.1 | 192657.5 | 100632.1 | S |
| 105.875 | 0.0000 | 0.0000 | 85.810 | 0.10618 | 0.00000 | 316523.1 | 192660.7 | 100632.1 | S |
| 105.883 | 0.0000 | 0.0000 | 85.810 | 0.10617 | 0.00000 | 316523.1 | 192663.9 | 100632.1 | S |
| 105.892 | 0.0000 | 0.0000 | 85.809 | 0.10616 | 0.00000 | 316523.1 | 192667.1 | 100632.1 | S |
| 105.900 | 0.0000 | 0.0000 | 85.809 | 0.10615 | 0.00000 | 316523.1 | 192670.3 | 100632.1 | S |
| 105.908 | 0.0000 | 0.0000 | 85.809 | 0.10613 | 0.00000 | 316523.1 | 192673.4 | 100632.1 | S |
| 105.917 | 0.0000 | 0.0000 | 85.809 | 0.10612 | 0.00000 | 316523.1 | 192676.6 | 100632.1 | S |
| 105.925 | 0.0000 | 0.0000 | 85.809 | 0.10611 | 0.00000 | 316523.1 | 192679.8 | 100632.1 | S |
| 105.933 | 0.0000 | 0.0000 | 85.808 | 0.10610 | 0.00000 | 316523.1 | 192683.0 | 100632.1 | S |
| 105.942 | 0.0000 | 0.0000 | 85.808 | 0.10609 | 0.00000 | 316523.1 | 192686.2 | 100632.1 | S |
| 105.950 | 0.0000 | 0.0000 | 85.808 | 0.10608 | 0.00000 | 316523.1 | 192689.4 | 100632.1 | S |
| 105.958 | 0.0000 | 0.0000 | 85.808 | 0.10606 | 0.00000 | 316523.1 | 192692.5 | 100632.1 | S |
| 105.967 | 0.0000 | 0.0000 | 85.808 | 0.10605 | 0.00000 | 316523.1 | 192695.7 | 100632.1 | S |
| 105.975 | 0.0000 | 0.0000 | 85.807 | 0.10604 | 0.00000 | 316523.1 | 192698.9 | 100632.1 | S |
| 105.983 | 0.0000 | 0.0000 | 85.807 | 0.10603 | 0.00000 | 316523.1 | 192702.1 | 100632.1 | S |
| 105.992 | 0.0000 | 0.0000 | 85.807 | 0.10602 | 0.00000 | 316523.1 | 192705.3 | 100632.1 | S |
| 106.000 | 0.0000 | 0.0000 | 85.807 | 0.10601 | 0.00000 | 316523.1 | 192708.4 | 100632.1 | S |
| 106.008 | 0.0000 | 0.0000 | 85.807 | 0.10599 | 0.00000 | 316523.1 | 192711.6 | 100632.1 | S |
| 106.017 | 0.0000 | 0.0000 | 85.806 | 0.10598 | 0.00000 | 316523.1 | 192714.8 | 100632.1 | S |
| 106.025 | 0.0000 | 0.0000 | 85.806 | 0.10597 | 0.00000 | 316523.1 | 192718.0 | 100632.1 | S |
| 106.033 | 0.0000 | 0.0000 | 85.806 | 0.10596 | 0.00000 | 316523.1 | 192721.2 | 100632.1 | S |
| 106.042 | 0.0000 | 0.0000 | 85.806 | 0.10595 | 0.00000 | 316523.1 | 192724.3 | 100632.1 | S |
| 106.050 | 0.0000 | 0.0000 | 85.806 | 0.10594 | 0.00000 | 316523.1 | 192727.5 | 100632.1 | S |
| 106.058 | 0.0000 | 0.0000 | 85.805 | 0.10592 | 0.00000 | 316523.1 | 192730.7 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overfiow Discharge ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiliration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 106.067 | 0.0000 | 0.0000 | 85.805 | 0.10591 | 0.00000 | 316523.1 | 192733.9 | 100832.1 | S |
| 106.075 | 0.0000 | 0.0000 | 85.805 | 0.10590 | 0.00000 | 316523.1 | 192737.0 | 100632.1 | S |
| 106.083 | 0.0000 | 0.0000 | 85.805 | 0.10589 | 0.00000 | 316523.1 | 192740.2 | 100632.1 | S |
| 106.092 | 0.0000 | 0.0000 | 85.805 | 0.10588 | 0.00000 | 316523.1 | 192743.4 | 100632.1 | S |
| 106.100 | 0.0000 | 0.0000 | 85.804 | 0.10587 | 0.00000 | 316523.1 | 192746.6 | 100632.1 | S |
| 106.108 | 0.0000 | 0.0000 | 85.804 | 0.10586 | 0.00000 | 316523.1 | 192749.8 | 100632.1 | S |
| 106.117 | 0.0000 | 0.0000 | 85.804 | 0.10584 | 0.00000 | 316523.1 | 192752.9 | 100632.1 | S |
| 106.125 | 0.0000 | 0.0000 | 85.804 | 0.10583 | 0.00000 | 316523.1 | 192756.1 | 100632.1 | S |
| 106.133 | 0.0000 | 0.0000 | 85.804 | 0.10582 | 0.00000 | 316523.1 | 192759.3 | 100632.1 | S |
| 106.142 | 0.0000 | 0.0000 | 85.803 | 0.10581 | 0.00000 | 316523.1 | 192762.5 | 100632.1 | S |
| 106.150 | 0.0000 | 0.0000 | 85.803 | 0.10580 | 0.00000 | 316523.1 | 192765.6 | 100632.1 | S |
| 106.158 | 0.0000 | 0.0000 | 85.803 | 0.10579 | 0.00000 | 316523.1 | 192768.8 | 100632.1 | S |
| 106.167 | 0.0000 | 0.0000 | 85.803 | 0.10577 | 0.00000 | 316523.1 | 192772.0 | 100632.1 | S |
| 106.175 | 0.0000 | 0.0000 | 85.803 | 0.10576 | 0.00000 | 316523.1 | 192775.2 | 100632.1 | S |
| 106.183 | 0.0000 | 0.0000 | 85.802 | 0.10575 | 0.00000 | 316523.1 | 192778.3 | 100632.1 | S |
| 106.192 | 0.0000 | 0.0000 | 85.802 | 0.10574 | 0.00000 | 316523.1 | 192781.5 | 100632.1 | S |
| 106.200 | 0.0000 | 0.0000 | 85.802 | 0.10573 | 0.00000 | 316523.1 | 192784.7 | 100632.1 | S |
| 106.208 | 0.0000 | 0.0000 | 85.802 | 0.10572 | 0.00000 | 316523.1 | 192787.8 | 100632.1 | S |
| 106.217 | 0.0000 | 0.0000 | 85.802 | 0.10570 | 0.00000 | 316523.1 | 192791.0 | 100632.1 | S |
| 106.225 | 0.0000 | 0.0000 | 85.801 | 0.10569 | 0.00000 | 316523.1 | 192794.2 | 100632.1 | S |
| 106.233 | 0.0000 | 0.0000 | 85.801 | 0.10568 | 0.00000 | 316523.1 | 192797.4 | 100632.1 | S |
| 106.242 | 0.0000 | 0.0000 | 85.801 | 0.10567 | 0.00000 | 316523.1 | 192800.5 | 100632.1 | S |
| 106.250 | 0.0000 | 0.0000 | 85.801 | 0.10566 | 0.00000 | 316523.1 | 192803.7 | 100632.1 | S |
| 106.258 | 0.0000 | 0.0000 | 85.801 | 0.10565 | 0.00000 | 316523.1 | 192806.9 | 100632.1 | S |
| 106.267 | 0.0000 | 0.0000 | 85.800 | 0.10563 | 0.00000 | 316523.1 | 192810.0 | 100632.1 | S |
| 106.275 | 0.0000 | 0.0000 | 85.800 | 0.10562 | 0.00000 | 316523.1 | 192813.2 | 100632.1 | S |
| 106.283 | 0.0000 | 0.0000 | 85.800 | 0.10561 | 0.00000 | 316523.1 | 192816.4 | 100632.1 | S |
| 106.292 | 0.0000 | 0.0000 | 85.800 | 0.10560 | 0.00000 | 316523.1 | 192819.5 | 100632.1 | S |
| 106.300 | 0.0000 | 0.0000 | 85.800 | 0.10559 | 0.00000 | 316523.1 | 192822.7 | 100632.1 | S |
| 106.308 | 0.0000 | 0.0000 | 85.799 | 0.10558 | 0.00000 | 316523.1 | 192825.9 | 100632.1 | S |
| 106.317 | 0.0000 | 0.0000 | 85.799 | 0.10557 | 0.00000 | 316523.1 | 192829.0 | 100632.1 | S |
| 106.325 | 0.0000 | 0.0000 | 85.799 | 0.10555 | 0.00000 | 316523.1 | 192832.2 | 100632.1 | S |
| 106.333 | 0.0000 | 0.0000 | 85.799 | 0.10554 | 0.00000 | 316523.1 | 192835.4 | 100632.1 | S |
| 106.342 | 0.0000 | 0.0000 | 85.799 | 0.10553 | 0.00000 | 316523.1 | 192838.5 | 100632.1 | S |
| 106.350 | 0.0000 | 0.0000 | 85.798 | 0.10552 | 0.00000 | 316523.1 | 192841.7 | 100632.1 | S |
| 106.358 | 0.0000 | 0.0000 | 85.798 | 0.10551 | 0.00000 | 316523.1 | 192844.9 | 100632.1 | S |
| 106.367 | 0.0000 | 0.0000 | 85.798 | 0.10550 | 0.00000 | 316523.1 | 192848.0 | 100632.1 | S |
| 106.375 | 0.0000 | 0.0000 | 85.798 | 0.10548 | 0.00000 | 316523.1 | 192851.2 | 100632.1 | S |
| 106.383 | 0.0000 | 0.0000 | 85.798 | 0.10547 | 0.00000 | 316523.1 | 192854.4 | 100632.1 | S |
| 106.392 | 0.0000 | 0.0000 | 85.797 | 0.10546 | 0.00000 | 316523.1 | 192857.5 | 100632.1 | S |
| 106.400 | 0.0000 | 0.0000 | 85.797 | 0.10545 | 0.00000 | 316523.1 | 192860.7 | 100632.1 | S |
| 106.408 | 0.0000 | 0.0000 | 85.797 | 0.10544 | 0.00000 | 316523.1 | 192863.9 | 100632.1 | S |
| 106.417 | 0.0000 | 0.0000 | 85.797 | 0.10543 | 0.00000 | 316523.1 | 192867.0 | 100632.1 | S |
| 106.425 | 0.0000 | 0.0000 | 85.797 | 0.10541 | 0.00000 | 316523.1 | 192870.2 | 100632.1 | S |
| 106.433 | 0.0000 | 0.0000 | 85.796 | 0.10540 | 0.00000 | 316523.1 | 192873.3 | 100632.1 | S |
| 106.442 | 0.0000 | 0.0000 | 85.796 | 0.10539 | 0.00000 | 316523.1 | 192876.5 | 100632.1 | S |
| 106.450 | 0.0000 | 0.0000 | 85.796 | 0.10538 | 0.00000 | 316523.1 | 192879.7 | 100632.1 | S |
| 106.458 | 0.0000 | 0.0000 | 85.796 | 0.10537 | 0.00000 | 316523.1 | 192882.8 | 100632.1 | S |
| 106.467 | 0.0000 | 0.0000 | 85.796 | 0.10536 | 0.00000 | 316523.1 | 192886.0 | 100632.1 | S |
| 106.475 | 0.0000 | 0.0000 | 85.795 | 0.10535 | 0.00000 | 316523.1 | 192889.1 | 100632.1 | S |
| 106.483 | 0.0000 | 0.0000 | 85.795 | 0.10533 | 0.00000 | 316523.1 | 192892.3 | 100632.1 | S |
| 106.492 | 0.0000 | 0.0000 | 85.795 | 0.10532 | 0.00000 | 316523.1 | 192895.5 | 100632.1 | S |
| 106.500 | 0.0000 | 0.0000 | 85.795 | 0.10531 | 0.00000 | 316523.1 | 192898.6 | 100632.1 | S |
| 106.508 | 0.0000 | 0.0000 | 85.795 | 0.10530 | 0.00000 | 316523.1 | 192901.8 | 100632.1 | S |
| 106.517 | 0.0000 | 0.0000 | 85.794 | 0.10529 | 0.00000 | 316523.1 | 192905.0 | 100632.1 | S |
| 106.525 | 0.0000 | 0.0000 | 85.794 | 0.10528 | 0.00000 | 316523.1 | 192908.1 | 100632.1 | S |
| 106.533 | 0.0000 | 0.0000 | 85.794 | 0.10526 | 0.00000 | 316523.1 | 192911.3 | 100632.1 | S |
| 106.542 | 0.0000 | 0.0000 | 85.794 | 0.10525 | 0.00000 | 316523.1 | 192914.4 | 100632.1 | S |
| 106.550 | 0.0000 | 0.0000 | 85.794 | 0.10524 | 0.00000 | 316523.1 | 192917.6 | 100632.1 | S |
| 106.558 | 0.0000 | 0.0000 | 85.793 | 0.10523 | 0.00000 | 316523.1 | 192920.7 | 100632.1 | S |
| 106.567 | 0.0000 | 0.0000 | 85.793 | 0.10522 | 0.00000 | 316523.1 | 192923.9 | 100632.1 | S |
| 106.575 | 0.0000 | 0.0000 | 85.793 | 0.10521 | 0.00000 | 316523.1 | 192927.0 | 100632.1 | S |
| 106.583 | 0.0000 | 0.0000 | 85.793 | 0.10520 | 0.00000 | 316523.1 | 192930.2 | 100632.7 | S |
| 106.592 | 0.0000 | 0.0000 | 85.793 | 0.10518 | 0.00000 | 316523.1 | 192933.4 | 100632.1 | S |
| 106.600 | 0.0000 | 0.0000 | 85.792 | 0.10517 | 0.00000 | 316523.1 | 192936.5 | 100632.1 | S |
| 106.608 | 0.0000 | 0.0000 | 85.792 | 0.10516 | 0.00000 | 316523.1 | 192939.7 | 100632.1 | S |
| 106.617 | 0.0000 | 0.0000 | 85.792 | 0.10515 | 0.00000 | 316523.1 | 192942.8 | 100632.1 | S |
| 106.625 | 0.0000 | 0.0000 | 85.792 | 0.10514 | 0.00000 | 316523.1 | 192946.0 | 100632.1 | S |
| 106.633 | 0.0000 | 0.0000 | 85.792 | 0.10513 | 0.00000 | 316523.1 | 192949.1 | 100632.1 | S |
| 106.642 | 0.0000 | 0.0000 | 85.791 | 0.10512 | 0.00000 | 316523.1 | 192952.3 | 100632.1 | S |
| 106.650 | 0.0000 | 0.0000 | 85.791 | 0.10510 | 0.00000 | 316523.1 | 192955.4 | 100632.1 | S |
| 106.658 | 0.0000 | 0.0000 | 85.791 | 0.10509 | 0.00000 | 316523.1 | 192958.6 | 100632.1 | S |
| 106.667 | 0.0000 | 0.0000 | 85.791 | 0.10508 | 0.00000 | 316523.1 | 192961.8 | 100632.1 | S |
| 106.675 | 0.0000 | 0.0000 | 85.791 | 0.10507 | 0.00000 | 316523.1 | 192964.9 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / 3} \mathrm{~s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 106.683 | 0.0000 | 0.0000 | 85.790 | 0.10506 | 0.00000 | 316523.1 | 192968.0 | 100632.1 | S |
| 106.692 | 0.0000 | 0.0000 | 85.790 | 0.10505 | 0.00000 | 316523.1 | 192971.2 | 100632.1 | S |
| 106.700 | 0.0000 | 0.0000 | 85.790 | 0.10503 | 0.00000 | 316523.1 | 192974.4 | 100632.1 | S |
| 106.708 | 0.0000 | 0.0000 | 85.790 | 0.10502 | 0.00000 | 316523.1 | 192977.5 | 100632.1 | S |
| 106.717 | 0.0000 | 0.0000 | 85.790 | 0.10501 | 0.00000 | 316523.1 | 192980.7 | 100632.1 | S |
| 106.725 | 0.0000 | 0.0000 | 85.789 | 0.10500 | 0.00000 | 316523.1 | 192983.8 | 700632.1 | S |
| 106.733 | 0.0000 | 0.0000 | 85.789 | 0.10499 | 0.00000 | 316523.1 | 192987.0 | 100632.1 | S |
| 106.742 | 0.0000 | 0.0000 | 85.789 | 0.10498 | 0.00000 | 316523.1 | 192990.1 | 100632.1 | S |
| 106.750 | 0.0000 | 0.0000 | 85.789 | 0.10497 | 0.00000 | 316523.1 | 192993.3 | 100632.1 | S |
| 106.758 | 0.0000 | 0.0000 | 85.789 | 0.10495 | 0.00000 | 316523.1 | 192996.4 | 100632.1 | S |
| 106.767 | 0.0000 | 0.0000 | 85.788 | 0.10494 | 0.00000 | 316523.1 | 192999.5 | 100632.1 | S |
| 106.775 | 0.0000 | 0.0000 | 85.788 | 0.10493 | 0.00000 | 316523.1 | 193002.7 | 100632.1 | S |
| 106.783 | 0.0000 | 0.0000 | 85.788 | 0.10492 | 0.00000 | 316523.1 | 193005.8 | 100632.1 | S |
| 106.792 | 0.0000 | 0.0000 | 85.788 | 0.10491 | 0.00000 | 316523.1 | 193009.0 | 100632.1 | S |
| 106.800 | 0.0000 | 0.0000 | 85.788 | 0.10490 | 0.00000 | 316523.1 | 193012.1 | 100632.1 | S |
| 106.808 | 0.0000 | 0.0000 | 85.787 | 0.10489 | 0.00000 | 316523.1 | 193015.3 | 100632.7 | S |
| 106.817 | 0.0000 | 0.0000 | 85.787 | 0.10487 | 0.00000 | 316523.1 | 193018.4 | 100632.1 | S |
| 106.825 | 0.0000 | 0.0000 | 85.787 | 0.10486 | 0.00000 | 316523.1 | 193021.6 | 100632.1 | S |
| 106.833 | 0.0000 | 0.0000 | 85.787 | 0.10485 | 0.00000 | 316523.1 | 193024.7 | 100632.1 | S |
| 106.842 | 0.0000 | 0.0000 | 85.787 | 0.10484 | 0.00000 | 316523.1 | 193027.9 | 100632.1 | S |
| 106.850 | 0.0000 | 0.0000 | 85.786 | 0.10483 | 0.00000 | 316523.1 | 193031.0 | 100632.1 | S |
| 106.858 | 0.0000 | 0.0000 | 85.786 | 0.10482 | 0.00000 | 316523.1 | 193034.2 | 100632.1 | S |
| 106.867 | 0.0000 | 0.0000 | 85.786 | 0.10481 | 0.00000 | 316523.1 | 193037.3 | 100632.1 | S |
| 106.875 | 0.0000 | 0.0000 | 85.786 | 0.10479 | 0.00000 | 316523.1 | 193040.5 | 100632.1 | S |
| 106.883 | 0.0000 | 0.0000 | 85.786 | 0.10478 | 0.00000 | 316523.1 | 193043.6 | 100632.1 | S |
| 106.892 | 0.0000 | 0.0000 | 85.785 | 0.10477 | 0.00000 | 316523.1 | 193046.7 | 100632.1 | S |
| 106.900 | 0.0000 | 0.0000 | 85.785 | 0.10476 | 0.00000 | 316523.1 | 193049.9 | 100632.1 | S |
| 106.908 | 0.0000 | 0.0000 | 85.785 | 0.10475 | 0.00000 | 316523.1 | 193053.0 | 100632.1 | S |
| 106.917 | 0.0000 | 0.0000 | 85.785 | 0.10474 | 0.00000 | 316523.1 | 193056.2 | 100632.1 | S |
| 106.925 | 0.0000 | 0.0000 | 85.785 | 0.10473 | 0.00000 | 316523.1 | 193059.3 | 100632.1 | S |
| 106.933 | 0.0000 | 0.0000 | 85.784 | 0.10471 | 0.00000 | 316523.1 | 193062.5 | 100632.1 | S |
| 106.942 | 0.0000 | 0.0000 | 85.784 | 0.10470 | 0.00000 | 316523.1 | 193065.6 | 100632.1 | S |
| 106.950 | 0.0000 | 0.0000 | 85.784 | 0.10469 | 0.00000 | 316523.1 | 193068.7 | 100632.1 | S |
| 106.958 | 0.0000 | 0.0000 | 85.784 | 0.10468 | 0.00000 | 316523.1 | 193071.9 | 100632.1 | S |
| 106.967 | 0.0000 | 0.0000 | 85.784 | 0.10467 | 0.00000 | 316523.1 | 193075.0 | 100632.1 | S |
| 106.975 | 0.0000 | 0.0000 | 85.783 | 0.10466 | 0.00000 | 316523.1 | 193078.2 | 100632.1 | S |
| 106.983 | 0.0000 | 0.0000 | 85.783 | 0.10465 | 0.00000 | 316523.1 | 193081.3 | 100632.1 | S |
| 106.992 | 0.0000 | 0.0000 | 85.783 | 0.10463 | 0.00000 | 316523.1 | 193084.4 | 100632.1 | S |
| 107.000 | 0.0000 | 0.0000 | 85.783 | 0.10462 | 0.00000 | 316523.1 | 193087.6 | 100632.1 | S |
| 107.008 | 0.0000 | 0.0000 | 85.783 | 0.10461 | 0.00000 | 316523.1 | 193090.7 | 100632.1 | S |
| 107.017 | 0.0000 | 0.0000 | 85.782 | 0.10460 | 0.00000 | 316523.1 | 193093.8 | 100632.1 | S |
| 107.025 | 0.0000 | 0.0000 | 85.782 | 0.10459 | 0.00000 | 316523.1 | 193097.0 | 100632.1 | S |
| 107.033 | 0.0000 | 0.0000 | 85.782 | 0.10458 | 0.00000 | 316523.1 | 193100.1 | 100632.1 | S |
| 107.042 | 0.0000 | 0.0000 | 85.782 | 0.10457 | 0.00000 | 316523.1 | 193103.3 | 100632.1 | S |
| 107.050 | 0.0000 | 0.0000 | 85.782 | 0.10455 | 0.00000 | 316523.1 | 193106.4 | 100632.1 | S |
| 107.058 | 0.0000 | 0.0000 | 85.781 | 0.10454 | 0.00000 | 316523.1 | 193109.5 | 100632.1 | S |
| 107.067 | 0.0000 | 0.0000 | 85.781 | 0.10453 | 0.00000 | 316523.1 | 193112.7 | 100632.1 | S |
| 107.075 | 0.0000 | 0.0000 | 85.781 | 0.10452 | 0.00000 | 316523.1 | 193115.8 | 100632.1 | S |
| 107.083 | 0.0000 | 0.0000 | 85.781 | 0.10451 | 0.00000 | 316523.1 | 193118.9 | \{00632.1 | S |
| 107.092 | 0.0000 | 0.0000 | 85.781 | 0.10450 | 0.00000 | 316523.1 | 193122.1 | 100632.1 | S |
| 107.100 | 0.0000 | 0.0000 | 85.780 | 0.10449 | 0.00000 | 316523.1 | 193125.2 | 100632.1 | S |
| 107.108 | 0.0000 | 0.0000 | 85.780 | 0.10447 | 0.00000 | 316523.1 | 193128.3 | 100632.1 | S |
| 107.117 | 0.0000 | 0.0000 | 85.780 | 0.10446 | 0.00000 | 316523.1 | 193131.5 | 100632.1 | S |
| 107.125 | 0.0000 | 0.0000 | 85.780 | 0.10445 | 0.00000 | 316523.1 | 193134.6 | 100632.1 | S |
| 107.133 | 0.0000 | 0.0000 | 85.780 | 0.10444 | 0.00000 | 316523.1 | 193137.7 | 100632.1 | S |
| 107.142 | 0.0000 | 0.0000 | 85.779 | 0.10443 | 0.00000 | 316523.1 | 193140.9 | 100632.1 | S |
| 107.150 | 0.0000 | 0.0000 | 85.779 | 0.10442 | 0.00000 | 316523.1 | 193144.0 | 100632.1 | S |
| 107.158 | 0.0000 | 0.0000 | 85.779 | 0.10441 | 0.00000 | 316523.1 | 193147.1 | 100632.1 | S |
| 107.167 | 0.0000 | 0.0000 | 85.779 | 0.10439 | 0.00000 | 316523.1 | 193150.3 | 100632.1 | S |
| 107.175 | 0.0000 | 0.0000 | 85.779 | 0.10438 | 0.00000 | 316523.1 | 193153.4 | 100632.1 | S |
| 107.183 | 0.0000 | 0.0000 | 85.778 | 0.10437 | 0.00000 | 316523.1 | 193156.5 | 100632.1 | S |
| 107.192 | 0.0000 | 0.0000 | 85.778 | 0.10436 | 0.00000 | 316523.1 | 193159.7 | 100632.1 | S |
| 107.200 | 0.0000 | 0.0000 | 85.778 | 0.10435 | 0.00000 | 316523.1 | 193162.8 | 100632.1 | S |
| 107.208 | 0.0000 | 0.0000 | 85.778 | 0.10434 | 0.00000 | 316523.1 | 193165.9 | 100632.1 | S |
| 107.217 | 0.0000 | 0.0000 | 85.778 | 0.10433 | 0.00000 | 316523.1 | 193169.1 | 100632.1 | S |
| 107.225 | 0.0000 | 0.0000 | 85.777 | 0.10431 | 0.00000 | 316523.1 | 193172.2 | 100632.1 | S |
| 107.233 | 0.0000 | 0.0000 | 85.777 | 0.10430 | 0.00000 | 316523.1 | 193175.3 | 100632.1 | S |
| 107.242 | 0.0000 | 0.0000 | 85.777 | 0.10429 | 0.00000 | 316523.1 | 193178.4 | 100632.1 | S |
| 107.250 | 0.0000 | 0.0000 | 85.777 | 0.10428 | 0.00000 | 316523.1 | 193181.6 | 100632.1 | S |
| 107.258 | 0.0000 | 0.0000 | 85.777 | 0.10427 | 0.00000 | 316523.1 | 193184.7 | 100632.1 | S |
| 107.267 | 0.0000 | 0.0000 | 85.776 | 0.10426 | 0.00000 | 316523.1 | 193187.8 | 100632.1 | S |
| 107.275 | 0.0000 | 0.0000 | 85.776 | 0.10425 | 0.00000 | 316523.1 | 193191.0 | 100632.1 | S |
| 107.283 | 0.0000 | 0.0000 | 85.776 | 0.10423 | 0.00000 | 316523.1 | 193194.1 | 100632.1 | S |
| 107.292 | 0.0000 | 0.0000 | 85.776 | 0.10422 | 0.00000 | 316523.1 | 193197.2 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $f^{3 / 3}$ ) | Outside Recharge (fidday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 107.300 | 0.0000 | 0.0000 | 85.776 | 0.10421 | 0.00000 | 316523.1 | 193200.3 | 100632.1 | S |
| 107.308 | 0.0000 | 0.0000 | 85.775 | 0.10420 | 0.00000 | 316523.1 | 193203.5 | 100632.1 | S |
| 107.317 | 0.0000 | 0.0000 | 85.775 | 0.10419 | 0.00000 | 316523.1 | 193206.6 | 100632.1 | S |
| 107.325 | 0.0000 | 0.0000 | 85.775 | 0.10418 | 0.00000 | 316523.1 | 193209.7 | 100632.1 | S |
| 107.333 | 0.0000 | 0.0000 | 85.775 | 0.10417 | 0.00000 | 316523.1 | 193212.8 | 100632.1 | S |
| \$07.342 | 0.0000 | 0.0000 | 85.775 | 0.10416 | 0.00000 | 316523.1 | 193216.0 | 100632.1 | S |
| 107.350 | 0.0000 | 0.0000 | 85.774 | 0.10414 | 0.00000 | 316523.1 | 193219.1 | 100632.1 | S |
| 107.358 | 0.0000 | 0.0000 | 85.774 | 0.10413 | 0.00000 | 316523.1 | 193222.2 | 100632.1 | S |
| 107.367 | 0.0000 | 0.0000 | 85.774 | 0.10412 | 0.00000 | 316523.1 | 193225.3 | 100632.1 | S |
| 107.375 | 0.0000 | 0.0000 | 85.774 | 0.10411 | 0.00000 | 316523.1 | 193228.5 | 100632.1 | S |
| 107.383 | 0.0000 | 0.0000 | 85.774 | 0.10410 | 0.00000 | 316523.1 | 193231.6 | 100632.1 | S |
| 107.392 | 0.0000 | 0.0000 | 85.773 | 0.10409 | 0.00000 | 316523.1 | 193234.7 | 100632.1 | S |
| 107.400 | 0.0000 | 0.0000 | 85.773 | 0.10408 | 0.00000 | 316523.1 | 193237.8 | 100632.1 | S |
| 107.408 | 0.0000 | 0.0000 | 85.773 | 0.10406 | 0.00000 | 316523.1 | 193241.0 | 100632.1 | S |
| 107.417 | 0.0000 | 0.0000 | 85.773 | 0.10405 | 0.00000 | 316523.1 | 193244.1 | 100632.1 | S |
| 107.425 | 0.0000 | 0.0000 | 85.773 | 0.10404 | 0.00000 | 316523.1 | 193247.2 | 100632.1 | S |
| 107.433 | 0.0000 | 0.0000 | 85.772 | 0.10403 | 0.00000 | 316523.1 | 193250.3 | 100632.1 | S |
| 107.442 | 0.0000 | 0.0000 | 85.772 | 0.10402 | 0.00000 | 316523.1 | 193253.4 | 100632.1 | S |
| 107.450 | 0.0000 | 0.0000 | 85.772 | 0.10401 | 0.00000 | 316523.1 | 193256.6 | 100632.1 | S |
| 107.458 | 0.0000 | 0.0000 | 85.772 | 0.10400 | 0.00000 | 316523.1 | 193259.7 | 100632.1 | S |
| 107.467 | 0.0000 | 0.0000 | 85.772 | 0.10399 | 0.00000 | 316523.1 | 193262.8 | 100632.1 | S |
| 107.475 | 0.0000 | 0.0000 | 85.771 | 0.10397 | 0.00000 | 316523.1 | 193265.9 | 100632.1 | S |
| 107.483 | 0.0000 | 0.0000 | 85.771 | 0.10396 | 0.00000 | 316523.1 | 193269.0 | 100632.1 | S |
| 107.492 | 0.0000 | 0.0000 | 85.771 | 0.10395 | 0.00000 | 316523.1 | 193272.2 | 100632.1 | S |
| 107.500 | 0.0000 | 0.0000 | 85.771 | 0.10394 | 0.00000 | 316523.1 | 193275.3 | 100632.1 | S |
| 107.508 | 0.0000 | 0.0000 | 85.771 | 0.10393 | 0.00000 | 316523.1 | 193278.4 | 100632.1 | S |
| 107.517 | 0.0000 | 0.0000 | 85.770 | 0.10392 | 0.00000 | 316523.1 | 193281.5 | 100632.1 | S |
| 107.525 | 0.0000 | 0.0000 | 85.770 | 0.10391 | 0.00000 | 316523.1 | 193284.6 | 100632.1 | S |
| 107.533 | 0.0000 | 0.0000 | 85.770 | 0.10389 | 0.00000 | 316523.1 | 193287.7 | 100632.1 | S |
| 107.542 | 0.0000 | 0.0000 | 85.770 | 0.10388 | 0.00000 | 316523.1 | 193290.9 | 100632.1 | S |
| 107.550 | 0.0000 | 0.0000 | 85.770 | 0.10387 | 0.00000 | 316523.1 | 193294.0 | 100632.1 | S |
| 107.558 | 0.0000 | 0.0000 | 85.769 | 0.10386 | 0.00000 | 316523.1 | 193297.1 | 100632.1 | S |
| 107.567 | 0.0000 | 0.0000 | 85.769 | 0.10385 | 0.00000 | 316523.1 | 193300.2 | 100632.1 | S |
| 107.575 | 0.0000 | 0.0000 | 85.769 | 0.10384 | 0.00000 | 316523.1 | 193303.3 | 100632.1 | S |
| 107.583 | 0.0000 | 0.0000 | 85.769 | 0.10383 | 0.00000 | 316523.1 | 193306.4 | 100632.1 | S |
| 107.592 | 0.0000 | 0.0000 | 85.769 | 0.10382 | 0.00000 | 316523.1 | 193309.5 | 100632.1 | S |
| 107.600 | 0.0000 | 0.0000 | 85.768 | 0.10380 | 0.00000 | 316523.1 | 193312.7 | 100632.1 | S |
| 107.608 | 0.0000 | 0.0000 | 85.768 | 0.10379 | 0.00000 | 316523.1 | 193315.8 | 100632.1 | S |
| 107.617 | 0.0000 | 0.0000 | 85.768 | 0.10378 | 0.00000 | 316523.1 | 193318.9 | 100632.1 | S |
| 107.625 | 0.0000 | 0.0000 | 85.768 | 0.10377 | 0.00000 | 316523.1 | 193322.0 | 100632.1 | S |
| 107.633 | 0.0000 | 0.0000 | 85.768 | 0.10376 | 0.00000 | 316523.1 | 193325.1 | 100632.1 | S |
| 107.642 | 0.0000 | 0.0000 | 85.767 | 0.10375 | 0.00000 | 316523.7 | 193328.2 | 100632.1 | S |
| 107.650 | 0.0000 | 0.0000 | 85.767 | 0.10374 | 0.00000 | 316523.1 | 193331.3 | 100632.1 | S |
| 107.658 | 0.0000 | 0.0000 | 85.767 | 0.10373 | 0.00000 | 316523.1 | 193334.5 | 100632.1 | S |
| 107.667 | 0.0000 | 0.0000 | 85.767 | 0.10371 | 0.00000 | 316523.1 | 193337.6 | 100632.1 | S |
| 107.675 | 0.0000 | 0.0000 | 85.767 | 0.10370 | 0.00000 | 316523.1 | 193340.7 | 100632.1 | S |
| 107.683 | 0.0000 | 0.0000 | 85.766 | 0.10369 | 0.00000 | 316523.1 | 193343.8 | 100632.1 | S |
| 107.692 | 0.0000 | 0.0000 | 85.766 | 0.10368 | 0.00000 | 316523.1 | 193346.9 | 100632.1 | S |
| 107.700 | 0.0000 | 0.0000 | 85.766 | 0.10367 | 0.00000 | 316523.1 | 193350.0 | 100632.1 | S |
| 107.708 | 0.0000 | 0.0000 | 85.766 | 0.10366 | 0.00000 | 316523.1 | 193353.1 | 100632.1 | S |
| 107.717 | 0.0000 | 0.0000 | 85.766 | 0.10365 | 0.00000 | 316523.1 | 193356.2 | 100632.1 | S |
| 107.725 | 0.0000 | 0.0000 | 85.766 | 0.10364 | 0.00000 | 316523.1 | 193359.3 | 100632.1 | S |
| 107.733 | 0.0000 | 0.0000 | 85.765 | 0.10362 | 0.00000 | 316523.1 | 193362.5 | 100632.1 | S |
| 107.742 | 0.0000 | 0.0000 | 85.765 | 0.10361 | 0.00000 | 316523.1 | 193365.6 | 100632.1 | S |
| 107.750 | 0.0000 | 0.0000 | 85.765 | 0.10360 | 0.00000 | 316523.1 | 193368.7 | 100632.1 | S |
| 107.758 | 0.0000 | 0.0000 | 85.765 | 0.10359 | 0.00000 | 316523.1 | 193371.8 | 100632.1 | S |
| 107.767 | 0.0000 | 0.0000 | 85.765 | 0.10358 | 0.00000 | 316523.1 | 193374.9 | 100632.1 | S |
| 107.775 | 0.0000 | 0.0000 | 85.764 | 0.10357 | 0.00000 | 316523.1 | 193378.0 | 100632.1 | S |
| 107.783 | 0.0000 | 0.0000 | 85.764 | 0.10356 | 0.00000 | 316523.1 | 193381.1 | 100632.1 | S |
| 107.792 | 0.0000 | 0.0000 | 85.764 | 0.10355 | 0.00000 | 316523.1 | 193384.2 | 100632.1 | S |
| 107.800 | 0.0000 | 0.0000 | 85.764 | 0.10353 | 0.00000 | 316523.1 | 193387.3 | 100632.1 | S |
| 107.808 | 0.0000 | 0.0000 | 85.764 | 0.10352 | 0.00000 | 316523.1 | 193390.4 | 100632.1 | S |
| 107.817 | 0.0000 | 0.0000 | 85.763 | 0.10351 | 0.00000 | 316523.1 | 193393.5 | 100632.1 | S |
| 107.825 | 0.0000 | 0.0000 | 85.763 | 0.10350 | 0.00000 | 316523.1 | 193396.6 | 100632.1 | S |
| 107.833 | 0.0000 | 0.0000 | 85.763 | 0.10349 | 0.00000 | 316523.1 | 193399.7 | 100632.1 | S |
| 107.842 | 0.0000 | 0.0000 | 85.763 | 0.10348 | 0.00000 | 316523.1 | 193402.8 | 100632.1 | S |
| 107.850 | 0.0000 | 0.0000 | 85.763 | 0.10347 | 0.00000 | 316523.1 | 193405.9 | 100632.1 | S |
| 107.858 | 0.0000 | 0.0000 | 85.762 | 0.10346 | 0.00000 | 316523.1 | 193409.0 | 100632.1 | S |
| 107.867 | 0.0000 | 0.0000 | 85.762 | 0.10344 | 0.00000 | 316523.1 | 193412.1 | 100632.1 | S |
| 107.875 | 0.0000 | 0.0000 | 85.762 | 0.10343 | 0.00000 | 316523.1 | 193415.3 | 100632.1 | S |
| 107.883 | 0.0000 | 0.0000 | 85.762 | 0.10342 | 0.00000 | 316523.1 | 193418.3 | 100632.1 | S |
| 107.892 | 0.0000 | 0.0000 | 85.762 | 0.10341 | 0.00000 | 316523.1 | 193421.5 | 100632.1 | S |
| 107.900 | 0.0000 | 0.0000 | 85.761 | 0.10340 | 0.00000 | 316523.1 | 193424.6 | 100632.1 | S |
| 107.908 | 0.0000 | 0.0000 | 85.761 | 0.10339 | 0.00000 | 316523.1 | 193427.7 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / 5}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{A}^{3 / \mathrm{s}} \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 107.917 | 0.0000 | 0.0000 | 85.761 | 0.10338 | 0.00000 | 316523.1 | 193430.8 | 100632.1 | S |
| 107.925 | 0.0000 | 0.0000 | 85.761 | 0.10337 | 0.00000 | 316523.1 | 193433.9 | 100632.1 | S |
| 107.933 | 0.0000 | 0.0000 | 85.761 | 0.10335 | 0.00000 | 316523.1 | 193437.0 | 100632.1 | S |
| 107.942 | 0.0000 | 0.0000 | 85.760 | 0.10334 | 0.00000 | 316523.1 | 193440.1 | 100632.1 | S |
| 107.950 | 0.0000 | 0.0000 | 85.760 | 0.10333 | 0.00000 | 316523.1 | 193443.2 | 100632. 1 | S |
| 107.958 | 0.0000 | 0.0000 | 85.760 | 0.10332 | 0.00000 | 316523.1 | 193446.3 | 100632.1 | S |
| 107.967 | 0.0000 | 0.0000 | 85.760 | 0.10331 | 0.00000 | 316523.1 | 193449.4 | 100632.1 | S |
| 107.975 | 0.0000 | 0.0000 | 85.760 | 0.10330 | 0.00000 | 316523.1 | 193452.5 | 100632.1 | S |
| 107.983 | 0.0000 | 0.0000 | 85.759 | 0.10329 | 0.00000 | 316523.1 | 193455.6 | 100632.1 | S |
| 107.992 | 0.0000 | 0.0000 | 85.759 | 0.10328 | 0.00000 | 316523.1 | 193458.7 | 100632.1 | S |
| 108.000 | 0.0000 | 0.0000 | 85.759 | 0.10326 | 0.00000 | 316523.1 | 193461.8 | 100632.1 | S |
| 108.008 | 0.0000 | 0.0000 | 85.759 | 0.10325 | 0.00000 | 316523.1 | 193464.9 | 100632.1 | S |
| 108.017 | 0.0000 | 0.0000 | 85.759 | 0.10324 | 0.00000 | 316523.1 | 193468.0 | 100632.1 | S |
| 108.025 | 0.0000 | 0.0000 | 85.758 | 0.10323 | 0.00000 | 316523.1 | 193471.0 | 100632.1 | S |
| 108.033 | 0.0000 | 0.0000 | 85.758 | 0.10322 | 0.00000 | 316523.1 | 193474.1 | 100632.1 | S |
| 108.042 | 0.0000 | 0.0000 | 85.758 | 0.10321 | 0.00000 | 316523.1 | 193477.2 | 100632.1 | S |
| 108.050 | 0.0000 | 0.0000 | 85.758 | 0.10320 | 0.00000 | 316523.1 | 193480.3 | 100632.1 | S |
| 108.058 | 0.0000 | 0.0000 | 85.758 | 0.10319 | 0.00000 | 316523.1 | 193483.4 | 100632.1 | S |
| 108.067 | 0.0000 | 0.0000 | 85.757 | 0.10318 | 0.00000 | 316523.1 | 193486.5 | 100632.1 | S |
| 108.075 | 0.0000 | 0.0000 | 85.757 | 0.10316 | 0.00000 | 316523.1 | 193489.6 | 100632.1 | S |
| 108.083 | 0.0000 | 0.0000 | 85.757 | 0.10315 | 0.00000 | 316523.1 | 193492.7 | 100632.1 | S |
| 108.092 | 0.0000 | 0.0000 | 85.757 | 0.10314 | 0.00000 | 316523.1 | 193495.8 | 100632.1 | S |
| 108.100 | 0.0000 | 0.0000 | 85.757 | 0.10313 | 0.00000 | 316523.1 | 193498.9 | 100632.1 | S |
| 108.108 | 0.0000 | 0.0000 | 85.756 | 0.10312 | 0.00000 | 316523.1 | 193502.0 | 100632.1 | S |
| 108.117 | 0.0000 | 0.0000 | 85.756 | 0.10311 | 0.00000 | 316523.1 | 193505.1 | 100632.1 | S |
| 108.125 | 0.0000 | 0.0000 | 85.756 | 0.10310 | 0.00000 | 316523.1 | 193508.2 | 100632.1 | S |
| 108.133 | 0.0000 | 0.0000 | 85.756 | 0.10309 | 0.00000 | 316523.1 | 193511.3 | 100632.1 | S |
| 108.142 | 0.0000 | 0.0000 | 85.756 | 0.10307 | 0.00000 | 316523.1 | 193514.4 | 100632.1 | S |
| 108.150 | 0.0000 | 0.0000 | 85.755 | 0.10306 | 0.00000 | 316523.1 | 193517.5 | 100632.1 | S |
| 108.158 | 0.0000 | 0.0000 | 85.755 | 0.10305 | 0.00000 | 316523.1 | 193520.6 | 100632.1 | S |
| 108.167 | 0.0000 | 0.0000 | 85.755 | 0.10304 | 0.00000 | 316523.1 | 193523.6 | 100632.1 | S |
| 108.175 | 0.0000 | 0.0000 | 85.755 | 0.10303 | 0.00000 | 316523.1 | 193526.7 | 100632.1 | S |
| 108.183 | 0.0000 | 0.0000 | 85.755 | 0.10302 | 0.00000 | 316523.1 | 193529.8 | 100632.1 | S |
| 108.192 | 0.0000 | 0.0000 | 85.754 | 0.10301 | 0.00000 | 316523.1 | 193532.9 | 100632.1 | S |
| 108.200 | 0.0000 | 0.0000 | 85.754 | 0.10300 | 0.00000 | 316523.1 | 193536.0 | 100632.1 | S |
| 108.208 | 0.0000 | 0.0000 | 85.754 | 0.10299 | 0.00000 | 316523.1 | 193539.1 | 100632.1 | S |
| 108.217 | 0.0000 | 0.0000 | 85.754 | 0.10297 | 0.00000 | 316523.1 | 193542.2 | 100632.1 | S |
| 108.225 | 0.0000 | 0.0000 | 85.754 | 0.10296 | 0.00000 | 316523.1 | 193545.3 | 100632.1 | S |
| 108.233 | 0.0000 | 0.0000 | 85.753 | 0.10295 | 0.00000 | 316523.1 | 193548.4 | 100632.1 | S |
| 108.242 | 0.0000 | 0.0000 | 85.753 | 0.10294 | 0.00000 | 316523.1 | 193551.5 | 100632.1 | S |
| 108.250 | 0.0000 | 0.0000 | 85.753 | 0.10293 | 0.00000 | 316523.1 | 193554.5 | 100632.1 | S |
| 108.258 | 0.0000 | 0.0000 | 85.753 | 0.10292 | 0.00000 | 316523.1 | 193557.6 | 100632.1 | S |
| 108.267 | 0.0000 | 0.0000 | 85.753 | 0.10291 | 0.00000 | 316523.1 | 193560.7 | 100632.1 | S |
| 108.275 | 0.0000 | 0.0000 | 85.752 | 0.10290 | 0.00000 | 376523.1 | 193563.8 | 100632.1 | S |
| 108.283 | 0.0000 | 0.0000 | 85.752 | 0.10288 | 0.00000 | 316523.1 | 193566.9 | 100632.1 | S |
| 108.292 | 0.0000 | 0.0000 | 85.752 | 0.10287 | 0.00000 | 316523.1 | 193570.0 | 100632.1 | S |
| 108.300 | 0.0000 | 0.0000 | 85.752 | 0.10286 | 0.00000 | 316523.1 | 193573.1 | 100632.1 | S |
| 108.308 | 0.0000 | 0.0000 | 85.752 | 0.10285 | 0.00000 | 316523.1 | 193576.2 | 100632.1 | S |
| 108.317 | 0.0000 | 0.0000 | 85.751 | 0.10284 | 0.00000 | 316523.1 | 193579.2 | 100632.1 | S |
| 108.325 | 0.0000 | 0.0000 | 85.751 | 0.10283 | 0.00000 | 316523.1 | 193582.3 | 100632.1 | S |
| 108.333 | 0.0000 | 0.0000 | 85.751 | 0.10282 | 0.00000 | 316523.1 | 193585.4 | 100632.1 | S |
| 108.342 | 0.0000 | 0.0000 | 85.751 | 0.10281 | 0.00000 | 316523.1 | 193588.5 | 100632.1 | S |
| 108.350 | 0.0000 | 0.0000 | 85.751 | 0.10280 | 0.00000 | 316523.1 | 193591.6 | 100632.1 | S |
| 108.358 | 0.0000 | 0.0000 | 85.751 | 0.10278 | 0.00000 | 316523.7 | 193594.7 | 100632.1 | S |
| 108.367 | 0.0000 | 0.0000 | 85.750 | 0.10277 | 0.00000 | 316523.1 | 193597.7 | 100632.1 | S |
| 108.375 | 0.0000 | 0.0000 | 85.750 | 0.10276 | 0.00000 | 316523.1 | 193600.8 | 100632.1 | S |
| 108.383 | 0.0000 | 0.0000 | 85.750 | 0.10275 | 0.00000 | 316523.1 | 193603.9 | 100632.1 | S |
| 108.392 | 0.0000 | 0.0000 | 85.750 | 0.10274 | 0.00000 | 316523.1 | 193607.0 | 100632.1 | S |
| 108.400 | 0.0000 | 0.0000 | 85.750 | 0.10273 | 0.00000 | 316523.1 | 193610.1 | 100632.1 | S |
| 108.408 | 0.0000 | 0.0000 | 85.749 | 0.10272 | 0.00000 | 316523.1 | 193613.2 | 100632.1 | S |
| 108.417 | 0.0000 | 0.0000 | 85.749 | 0.10271 | 0.00000 | 316523.1 | 193616.2 | 100632.1 | S |
| 108.425 | 0.0000 | 0.0000 | 85.749 | 0.10270 | 0.00000 | 316523.1 | 193619.3 | 100632.1 | S |
| 108.433 | 0.0000 | 0.0000 | 85.749 | 0.10268 | 0.00000 | 316523.1 | 193622.4 | 100632.1 | S |
| 108.442 | 0.0000 | 0.0000 | 85.749 | 0.10267 | 0.00000 | 316523.1 | 193625.5 | 100632.1 | S |
| 108.450 | 0.0000 | 0.0000 | 85.748 | 0.10266 | 0.00000 | 316523.1 | 193628.6 | 100632.1 | S |
| 108.458 | 0.0000 | 0.0000 | 85.748 | 0.10265 | 0.00000 | 316523.1 | 193631.6 | 100632.1 | S |
| 108.467 | 0.0000 | 0.0000 | 85.748 | 0.10264 | 0.00000 | 316523.1 | 193634.7 | 100632.1 | S |
| 108.475 | 0.0000 | 0.0000 | 85.748 | 0.10263 | 0.00000 | 316523.1 | 193637.8 | 100632.1 | S |
| 108.483 | 0.0000 | 0.0000 | 85.748 | 0.10262 | 0.00000 | 316523.1 | 193640.9 | 100632.1 | S |
| 108.492 | 0.0000 | 0.0000 | 85.747 | 0.10261 | 0.00000 | 316523.1 | 193644.0 | 100632.1 | S |
| 108.500 | 0.0000 | 0.0000 | 85.747 | 0.10260 | 0.00000 | 316523.1 | 193647.0 | 100632.1 | S |
| 108.508 | 0.0000 | 0.0000 | 85.747 | 0.10258 | 0.00000 | 316523.1 | 193650.1 | 100632.1 | S |
| 108.517 | 0.0000 | 0.0000 | 85.747 | 0.10257 | 0.00000 | 316523.1 | 193653.2 | 100632.1 | S |
| 108.525 | 0.0000 | 0.0000 | 85.747 | 0.10256 | 0.00000 | 316523.1 | 193656.3 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{H}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 108.533 | 0.0000 | 0.0000 | 85.746 | 0.10255 | 0.00000 | 316523.1 | 193659.3 | 100632.1 | S |
| 108.542 | 0.0000 | 0.0000 | 85.746 | 0.10254 | 0.00000 | 316523.1 | 193662.4 | 100632.1 | S |
| 108.550 | 0.0000 | 0.0000 | 85.746 | 0.10253 | 0.00000 | 316523.1 | 193665.5 | 100632.1 | S |
| 108.558 | 0.0000 | 0.0000 | 85.746 | 0.10252 | 0.00000 | 316523.1 | 193668.6 | 100632.1 | S |
| 108.567 | 0.0000 | 0.0000 | 85.746 | 0.10251 | 0.00000 | 316523.1 | 193671.6 | 100632.1 | S |
| 108.575 | 0.0000 | 0.0000 | 85.745 | 0.10250 | 0.00000 | 316523.1 | 193674.7 | 100632.1 | S |
| 108.583 | 0.0000 | 0.0000 | 85.745 | 0.10249 | 0.00000 | 316523.1 | 193677.8 | 100632.1 | S |
| 108.592 | 0.0000 | 0.0000 | 85.745 | 0.10247 | 0.00000 | 316523.1 | 193680.9 | 100632.1 | S |
| 108.600 | 0.0000 | 0.0000 | 85.745 | 0.10246 | 0.00000 | 316523.1 | 193683.9 | 100632.1 | S |
| 108.608 | 0.0000 | 0.0000 | 85.745 | 0.10245 | 0.00000 | 316523.1 | 193687.0 | 100632.1 | S |
| 108.617 | 0.0000 | 0.0000 | 85.744 | 0.10244 | 0.00000 | 316523.1 | 193690.1 | 100632.1 | S |
| 108.625 | 0.0000 | 0.0000 | 85.744 | 0.10243 | 0.00000 | 316523.1 | 193693.2 | 100632.1 | S |
| 108.633 | 0.0000 | 0.0000 | 85.744 | 0.10242 | 0.00000 | 316523.1 | 193696.2 | 100632.1 | S |
| 108.642 | 0.0000 | 0.0000 | 85.744 | 0.10241 | 0.00000 | 316523.1 | 193699.3 | 100632.1 | S |
| 108.650 | 0.0000 | 0.0000 | 85.744 | 0.10240 | 0.00000 | 316523.1 | 193702.4 | 100632.1 | S |
| 108.658 | 0.0000 | 0.0000 | 85.743 | 0.10239 | 0.00000 | 316523.1 | 193705.5 | 100632.1 | S |
| 108.667 | 0.0000 | 0.0000 | 85.743 | 0.10237 | 0.00000 | 316523.1 | 193708.5 | 100632.1 | S |
| 108.675 | 0.0000 | 0.0000 | 85.743 | 0.10236 | 0.00000 | 316523.1 | 193711.6 | 100632.1 | S |
| 108.683 | 0.0000 | 0.0000 | 85.743 | 0.10235 | 0.00000 | 316523.1 | 193714.7 | 100632.1 | S |
| 108.692 | 0.0000 | 0.0000 | 85.743 | 0.10234 | 0.00000 | 316523.1 | 193717.7 | 100632.1 | S |
| 108.700 | 0.0000 | 0.0000 | 85.742 | 0.10233 | 0.00000 | 316523.1 | 193720.8 | 100632.1 | S |
| 108.708 | 0.0000 | 0.0000 | 85.742 | 0.10232 | 0.00000 | 316523.1 | 193723.9 | 100632.1 | S |
| 108.717 | 0.0000 | 0.0000 | 85.742 | 0.10231 | 0.00000 | 316523.1 | 193726.9 | 100632.1 | S |
| 108.725 | 0.0000 | 0.0000 | 85.742 | 0.10230 | 0.00000 | 316523.1 | 193730.0 | 100632.1 | S |
| 108.733 | 0.0000 | 0.0000 | 85.742 | 0.10229 | 0.00000 | 316523.1 | 193733.1 | 100632.1 | S |
| 108.742 | 0.0000 | 0.0000 | 85.741 | 0.10227 | 0.00000 | 316523.1 | 193736.1 | 100632.1 | S |
| 108.750 | 0.0000 | 0.0000 | 85.741 | 0.10226 | 0.00000 | 316523.1 | 193739.2 | 100632.1 | S |
| 108.758 | 0.0000 | 0.0000 | 85.741 | 0.10225 | 0.00000 | 316523.1 | 193742.3 | 100632.1 | S |
| 108.767 | 0.0000 | 0.0000 | 85.741 | 0.10224 | 0.00000 | 316523.1 | 193745.3 | 100632.1 | S |
| 108.775 | 0.0000 | 0.0000 | 85.741 | 0.10223 | 0.00000 | 316523.1 | 193748.4 | 100632.1 | S |
| 108.783 | 0.0000 | 0.0000 | 85.740 | 0.10222 | 0.00000 | 316523.1 | 193751.5 | 100632.1 | S |
| 108.792 | 0.0000 | 0.0000 | 85.740 | 0.10221 | 0.00000 | 316523.1 | 193754.5 | 100632.1 | S |
| 108.800 | 0.0000 | 0.0000 | 85.740 | 0.10220 | 0.00000 | 316523.1 | 193757.6 | 100632.1 | S |
| 108.808 | 0.0000 | 0.0000 | 85.740 | 0.10219 | 0.00000 | 316523.1 | 193760.7 | 100632.1 | S |
| 108.817 | 0.0000 | 0.0000 | 85.740 | 0.10218 | 0.00000 | 316523.1 | 193763.8 | 100632.1 | S |
| 108.825 | 0.0000 | 0.0000 | 85.740 | 0.10216 | 0.00000 | 316523.1 | 193766.8 | 100632.1 | S |
| 108.833 | 0.0000 | 0.0000 | 85.739 | 0.10215 | 0.00000 | 316523.1 | 193769.9 | 100632.1 | S |
| 108.842 | 0.0000 | 0.0000 | 85.739 | 0.10214 | 0.00000 | 316523.1 | 193772.9 | 100632.1 | S |
| 108.850 | 0.0000 | 0.0000 | 85.739 | 0.10213 | 0.00000 | 316523.1 | 193776.0 | 100632.1 | S |
| 108.858 | 0.0000 | 0.0000 | 85.739 | 0.10212 | 0.00000 | 316523.1 | 193779.1 | 100632.1 | S |
| 108.867 | 0.0000 | 0.0000 | 85.739 | 0.10211 | 0.00000 | 316523.1 | 193782.1 | 100632.1 | S |
| 108.875 | 0.0000 | 0.0000 | 85.738 | 0.10210 | 0.00000 | 316523.1 | 193785.2 | 100632.1 | S |
| 108.883 | 0.0000 | 0.0000 | 85.738 | 0.10209 | 0.00000 | 316523.1 | 193788.3 | 100632.1 | S |
| 108.892 | 0.0000 | 0.0000 | 85.738 | 0.10208 | 0.00000 | 316523.1 | 193791.3 | 100632.1 | S |
| 108.900 | 0.0000 | 0.0000 | 85.738 | 0.10207 | 0.00000 | 316523.1 | 193794.4 | 100632.1 | S |
| 108.908 | 0.0000 | 0.0000 | 85.738 | 0.10205 | 0.00000 | 316523.1 | 193797.5 | 100632.1 | S |
| 108.917 | 0.0000 | 0.0000 | 85.737 | 0.10204 | 0.00000 | 316523.1 | 193800.5 | 100632.1 | S |
| 108.925 | 0.0000 | 0.0000 | 85.737 | 0.10203 | 0.00000 | 316523.1 | 193803.6 | 100632.1 | S |
| 108.933 | 0.0000 | 0.0000 | 85.737 | 0.10202 | 0.00000 | 316523.1 | 193806.6 | 100632.1 | S |
| 108.942 | 0.0000 | 0.0000 | 85.737 | 0.10201 | 0.00000 | 316523.1 | 193809.7 | 100632.1 | S |
| 108.950 | 0.0000 | 0.0000 | 85.737 | 0.10200 | 0.00000 | 316523.1 | 193812.8 | 100632.1 | S |
| 108.958 | 0.0000 | 0.0000 | 85.736 | 0.10199 | 0.00000 | 316523.1 | 193815.8 | 100632.1 | S |
| 108.967 | 0.0000 | 0.0000 | 85.736 | 0.10198 | 0.00000 | 316523.1 | 193818.9 | 100632.1 | S |
| 108.975 | 0.0000 | 0.0000 | 85.736 | 0.10197 | 0.00000 | 316523.1 | 193821.9 | 100632.1 | S |
| 108.983 | 0.0000 | 0.0000 | 85.736 | 0.10196 | 0.00000 | 316523.1 | 193825.0 | 100632.1 | S |
| 108.992 | 0.0000 | 0.0000 | 85.736 | 0.10194 | 0.00000 | 316523.1 | 193828.0 | 100632.1 | S |
| 109.000 | 0.0000 | 0.0000 | 85.735 | 0.10193 | 0.00000 | 316523.1 | 193831.1 | 100632.1 | S |
| 109.008 | 0.0000 | 0.0000 | 85.735 | 0.10192 | 0.00000 | 316523.1 | 193834.2 | 100632.1 | S |
| 109.017 | 0.0000 | 0.0000 | 85.735 | 0.10191 | 0.00000 | 316523.1 | 193837.2 | 100632.1 | S |
| 109.025 | 0.0000 | 0.0000 | 85.735 | 0.10190 | 0.00000 | 316523.1 | 193840.3 | 100632.1 | S |
| 109.033 | 0.0000 | 0.0000 | 85.735 | 0.10189 | 0.00000 | 316523.1 | 193843.3 | 100632.1 | S |
| 109.042 | 0.0000 | 0.0000 | 85.734 | 0.10188 | 0.00000 | 316523.1 | 193846.4 | 100632.1 | S |
| 109.050 | 0.0000 | 0.0000 | 85.734 | 0.10187 | 0.00000 | 316523.1 | 193849.5 | 100632.1 | S |
| 109.058 | 0.0000 | 0.0000 | 85.734 | 0.10186 | 0.00000 | 316523.1 | 193852.5 | 100632.1 | S |
| 109.067 | 0.0000 | 0.0000 | 85.734 | 0.10185 | 0.00000 | 316523.1 | 193855.6 | 100632.1 | S |
| 109.075 | 0.0000 | 0.0000 | 85.734 | 0.10183 | 0.00000 | 316523.1 | 193858.6 | 100632.1 | S |
| 109.083 | 0.0000 | 0.0000 | 85.733 | 0.10182 | 0.00000 | 316523.1 | 193861.7 | 100632.1 | S |
| 109.092 | 0.0000 | 0.0000 | 85.733 | 0.10181 | 0.00000 | 316523.1 | 193864.7 | 100632.1 | S |
| 109.100 | 0.0000 | 0.0000 | 85.733 | 0.10180 | 0.00000 | 316523.1 | 193867.8 | 100632.1 | S |
| 109.108 | 0.0000 | 0.0000 | 85.733 | 0.10179 | 0.00000 | 316523.1 | 193870.8 | 100632.1 | S |
| 109.117 | 0.0000 | 0.0000 | 85.733 | 0.10178 | 0.00000 | 316523.1 | 193873.9 | 100632.1 | S |
| 109.125 | 0.0000 | 0.0000 | 85.732 | 0.10177 | 0.00000 | 316523.1 | 193876.9 | 100632.1 | S |
| 109.133 | 0.0000 | 0.0000 | 85.732 | 0.10176 | 0.00000 | 316523.1 | 193880.0 | 100632.1 | S |
| 109.142 | 0.0000 | 0.0000 | 85.732 | 0.10175 | 0.00000 | 316523.1 | 193883.0 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{2} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 109.150 | 0.0000 | 0.0000 | 85.732 | 0.10174 | 0.00000 | 376523.4 | 193886.1 | 100632.1 | S |
| 109.158 | 0.0000 | 0.0000 | 85.732 | 0.10172 | 0.00000 | 316523.1 | 193889.1 | 100632.1 | S |
| 109.167 | 0.0000 | 0.0000 | 85.731 | 0.10171 | 0.00000 | 316523.1 | 193892.2 | 100632.1 | S |
| 109.175 | 0.0000 | 0.0000 | 85.731 | 0.10170 | 0.00000 | 316523.1 | 193895.3 | 100632.1 | S |
| 109.183 | 0.0000 | 0.0000 | 85.731 | 0.10169 | 0.00000 | 316523.1 | 193898.3 | 100632.1 | S |
| 109.192 | 0.0000 | 0.0000 | 85.731 | 0.10168 | 0.00000 | 316523.1 | 193901.3 | 100632.1 | S |
| 109.200 | 0.0000 | 0.0000 | 85.731 | 0.10167 | 0.00000 | 316523.1 | 193904.4 | 100632.1 | S |
| 109.208 | 0.0000 | 0.0000 | 85.730 | 0.10166 | 0.00000 | 316523.1 | 193907.5 | 100632.1 | S |
| 109.217 | 0.0000 | 0.0000 | 85.730 | 0.10165 | 0.00000 | 316523.1 | 193910.5 | 100632.1 | S |
| 109.225 | 0.0000 | 0.0000 | 85.730 | 0.10164 | 0.00000 | 316523.1 | 193913.5 | 100632.1 | S |
| 109.233 | 0.0000 | 0.0000 | 85.730 | 0.10163 | 0.00000 | 316523.1 | 193916.6 | 100632.1 | S |
| 109.242 | 0.0000 | 0.0000 | 85.730 | 0.10162 | 0.00000 | 316523.1 | 193919.6 | 100632.1 | S |
| 109.250 | 0.0000 | 0.0000 | 85.730 | 0.10160 | 0.00000 | 316523.1 | 193922.7 | 100632.1 | S |
| 109.258 | 0.0000 | 0.0000 | 85.729 | 0.10159 | 0.00000 | 316523.1 | 193925.8 | 100632.1 | S |
| 109.267 | 0.0000 | 0.0000 | 85.729 | 0.10158 | 0.00000 | 316523.1 | 193928.8 | 100632.1 | S |
| 109.275 | 0.0000 | 0.0000 | 85.729 | 0.10157 | 0.00000 | 316523.1 | 193931.8 | 100632.1 | S |
| 109.283 | 0.0000 | 0.0000 | 85.729 | 0.10156 | 0.00000 | 316523.1 | 193934.9 | 100632.1 | S |
| 109.292 | 0.0000 | 0.0000 | 85.729 | 0.10155 | 0.00000 | 316523.1 | 193937.9 | 100632.1 | S |
| 109.300 | 0.0000 | 0.0000 | 85.728 | 0.10154 | 0.00000 | 316523.1 | 193941.0 | 100632.1 | S |
| 109.308 | 0.0000 | 0.0000 | 85.728 | 0.10153 | 0.00000 | 316523.1 | 193944.0 | 100632.1 | S |
| 109.317 | 0.0000 | 0.0000 | 85.728 | 0.10152 | 0.00000 | 316523.1 | 193947.1 | 100632.1 | S |
| 109.325 | 0.0000 | 0.0000 | 85.728 | 0.10151 | 0.00000 | 316523.1 | 193950.1 | 100632.1 | S |
| 109.333 | 0.0000 | 0.0000 | 85.728 | 0.10150 | 0.00000 | 316523.1 | 193953.2 | 100632.1 | S |
| 109.342 | 0.0000 | 0.0000 | 85.727 | 0.10148 | 0.00000 | 316523.1 | 193956.2 | 100632.1 | S |
| 109.350 | 0.0000 | 0.0000 | 85.727 | 0.10147 | 0.00000 | 316523.1 | 193959.3 | 100632.1 | S |
| 109.358 | 0.0000 | 0.0000 | 85.727 | 0.10146 | 0.00000 | 316523.1 | 193962.3 | 100632.1 | S |
| 109.367 | 0.0000 | 0.0000 | 85.727 | 0.10145 | 0.00000 | 316523.1 | 193965.3 | 100632.1 | S |
| 109.375 | 0.0000 | 0.0000 | 85.727 | 0.10144 | 0.00000 | 316523.1 | 193968.4 | 100632.1 | S |
| 109.383 | 0.0000 | 0.0000 | 85.726 | 0.10143 | 0.00000 | 316523.1 | 193971.4 | 100632.1 | S |
| 109.392 | 0.0000 | 0.0000 | 85.726 | 0.10142 | 0.00000 | 316523.1 | 193974.5 | 100632.1 | S |
| 109.400 | 0.0000 | 0.0000 | 85.726 | 0.10141 | 0.00000 | 316523.1 | 193977.5 | 100632.1 | S |
| 109.408 | 0.0000 | 0.0000 | 85.726 | 0.10140 | 0.00000 | 316523.1 | 193980.5 | 100632.1 | S |
| 109.417 | 0.0000 | 0.0000 | 85.726 | 0.10139 | 0.00000 | 316523.1 | 193983.6 | 100632.1 | S |
| 109.425 | 0.0000 | 0.0000 | 85.725 | 0.10138 | 0.00000 | 316523.1 | 193986.6 | 100632.1 | S |
| 109.433 | 0.0000 | 0.0000 | 85.725 | 0.10136 | 0.00000 | 316523.1 | 193989.7 | 100632.1 | S |
| 109.442 | 0.0000 | 0.0000 | 85.725 | 0.10135 | 0.00000 | 316523.1 | 193992.7 | 100632.1 | S |
| 109.450 | 0.0000 | 0.0000 | 85.725 | 0.10134 | 0.00000 | 316523.1 | 193995.8 | 100632.1 | S |
| 109.458 | 0.0000 | 0.0000 | 85.725 | 0.10133 | 0.00000 | 316523.1 | 193998.8 | 100632.1 | S |
| 109.467 | 0.0000 | 0.0000 | 85.724 | 0.10132 | 0.00000 | 316523.1 | 194001.8 | 100632.1 | S |
| 109.475 | 0.0000 | 0.0000 | 85.724 | 0.10131 | 0.00000 | 316523.1 | 194004.9 | 100632.1 | S |
| 109.483 | 0.0000 | 0.0000 | 85.724 | 0.10130 | 0.00000 | 316523.1 | 194007.9 | 100632.1 | S |
| 109.492 | 0.0000 | 0.0000 | 85.724 | 0.10129 | 0.00000 | 316523.1 | 194011.0 | 100632.1 | S |
| 109.500 | 0.0000 | 0.0000 | 85.724 | 0.10128 | 0.00000 | 316523.1 | 194014.0 | 100632.1 | S |
| 109.508 | 0.0000 | 0.0000 | 85.723 | 0.10127 | 0.00000 | 316523.1 | 194017.0 | 100632.1 | S |
| 109.517 | 0.0000 | 0.0000 | 85.723 | 0.10126 | 0.00000 | 316523.1 | 194020.1 | 100632.1 | S |
| 109.525 | 0.0000 | 0.0000 | 85.723 | 0.10124 | 0.00000 | 316523.1 | 194023.1 | 100632.1 | S |
| 109.533 | 0.0000 | 0.0000 | 85.723 | 0.10123 | 0.00000 | 316523.1 | 194026.1 | 100632.1 | S |
| 109.542 | 0.0000 | 0.0000 | 85.723 | 0.10122 | 0.00000 | 316523.1 | 194029.2 | 100632.1 | S |
| 109.550 | 0.0000 | 0.0000 | 85.722 | 0.10121 | 0.00000 | 316523.1 | 194032.2 | 100632.1 | S |
| 109.558 | 0.0000 | 0.0000 | 85.722 | 0.10120 | 0.00000 | 316523.1 | 194035.3 | 100632.1 | S |
| 109.567 | 0.0000 | 0.0000 | 85.722 | 0.10119 | 0.00000 | 316523.1 | 194038.3 | 100632.1 | S |
| 109.575 | 0.0000 | 0.0000 | 85.722 | 0.10118 | 0.00000 | 316523.1 | 194041.3 | 100632.1 | S |
| 109.583 | 0.0000 | 0.0000 | 85.722 | 0.10117 | 0.00000 | 316523.1 | 194044.4 | 100632.1 | S |
| 109.592 | 0.0000 | 0.0000 | 85.722 | 0.10116 | 0.00000 | 316523.1 | 194047.4 | 100632.1 | S |
| 109.600 | 0.0000 | 0.0000 | 85.721 | 0.10115 | 0.00000 | 316523.1 | 194050.4 | 100632.1 | S |
| 109.608 | 0.0000 | 0.0000 | 85.721 | 0.10114 | 0.00000 | 316523.1 | 194053.5 | 100632.1 | S |
| 109.617 | 0.0000 | 0.0000 | 85.721 | 0.10113 | 0.00000 | 316523.1 | 194056.5 | 100632.1 | S |
| 109.625 | 0.0000 | 0.0000 | 85.721 | 0.10111 | 0.00000 | 376523.1 | 194059.5 | 100632.1 | S |
| 109.633 | 0.0000 | 0.0000 | 85.721 | 0.10110 | 0.00000 | 316523.1 | 194062.6 | 100632.1 | S |
| 109.642 | 0.0000 | 0.0000 | 85.720 | 0.10109 | 0.00000 | 316523.1 | 194065.6 | 100632.1 | S |
| 109.650 | 0.0000 | 0.0000 | 85.720 | 0.10108 | 0.00000 | 316523.1 | 194068.6 | 100632.1 | S |
| 109.658 | 0.0000 | 0.0000 | 85.720 | 0.10107 | 0.00000 | 316523.1 | 194071.7 | 100632.1 | S |
| 109.667 | 0.0000 | 0.0000 | 85.720 | 0.10106 | 0.00000 | 316523.1 | 194074.7 | 100632.1 | S |
| 109.675 | 0.0000 | 0.0000 | 85.720 | 0.10105 | 0.00000 | 316523.1 | 194077.7 | 100632.1 | S |
| 109.683 | 0.0000 | 0.0000 | 85.719 | 0.10104 | 0.00000 | 316523.1 | 194080.8 | 100632.1 | S |
| 109.692 | 0.0000 | 0.0000 | 85.719 | 0.10103 | 0.00000 | 316523.1 | 194083.8 | 100632.1 | S |
| 109.700 | 0.0000 | 0.0000 | 85.719 | 0.10102 | 0.00000 | 316523.1 | 194086.8 | 100632.1 | S |
| 109.708 | 0.0000 | 0.0000 | 85.719 | 0.10101 | 0.00000 | 316523.1 | 194089.8 | 100632.1 | S |
| 109.717 | 0.0000 | 0.0000 | 85.719 | 0.10099 | 0.00000 | 316523.1 | 194092.9 | 100632.1 | S |
| 109.725 | 0.0000 | 0.0000 | 85.718 | 0.10098 | 0.00000 | 316523.1 | 194095.9 | 100632.1 | S |
| 109.733 | 0.0000 | 0.0000 | 85.718 | 0.10097 | 0.00000 | 316523.1 | 194098.9 | 100632.1 | S |
| 109.742 | 0.0000 | 0.0000 | 85.718 | 0.10096 | 0.00000 | 316523.1 | 194102.0 | 100632.1 | S |
| 109.750 | 0.0000 | 0.0000 | 85.718 | 0.10095 | 0.00000 | 316523.1 | 194105.0 | 100632.1 | S |
| 109.758 | 0.0000 | 0.0000 | 85.718 | 0.10094 | 0.00000 | 316523.1 | 194108.0 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft} 3 / \mathrm{s}$ ) | Outside Recharge (fi/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{f}^{13 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infittration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 109.767 | 0.0000 | 0.0000 | 85.717 | 0.10093 | 0.00000 | 316523.1 | 194111.0 | 100632.1 | S |
| 109.775 | 0.0000 | 0.0000 | 85.717 | 0.10092 | 0.00000 | 316523.1 | 194114.1 | 100632.1 | S |
| 109.783 | 0.0000 | 0.0000 | 85.717 | 0.10091 | 0.00000 | 316523.1 | 194117.1 | 100632.1 | S |
| 109.792 | 0.0000 | 0.0000 | 85.717 | 0.10090 | 0.00000 | 316523.1 | 194120.1 | 100632.1 | S |
| 109.800 | 0.0000 | 0.0000 | 85.717 | 0.10089 | 0.00000 | 316523.1 | 194123.2 | 100632.1 | S |
| 109.808 | 0.0000 | 0.0000 | 85.716 | 0.10088 | 0.00000 | 316523.1 | 194126.2 | 100632.1 | S |
| 109.817 | 0.0000 | 0.0000 | 85.716 | 0.10086 | 0.00000 | 316523.1 | 194129.2 | 100632.1 | S |
| 109.825 | 0.0000 | 0.0000 | 85.716 | 0.10085 | 0.00000 | 316523.1 | 194132.2 | 100632.1 | S |
| 109.833 | 0.0000 | 0.0000 | 85.716 | 0.10084 | 0.00000 | 316523.1 | 194135.3 | 100632.1 | S |
| 109.842 | 0.0000 | 0.0000 | 85.716 | 0.10083 | 0.00000 | 316523.1 | 194138.3 | 100632.1 | S |
| 109.850 | 0.0000 | 0.0000 | 85.715 | 0.10082 | 0.00000 | 316523.1 | 194141.3 | 100632.1 | S |
| 109.858 | 0.0000 | 0.0000 | 85.715 | 0.10081 | 0.00000 | 316523.1 | 194144.3 | 100632.1 | S |
| 109.867 | 0.0000 | 0.0000 | 85.715 | 0.10080 | 0.00000 | 316523.1 | 194147.4 | 100632.1 | S |
| 109.875 | 0.0000 | 0.0000 | 85.715 | 0.10079 | 0.00000 | 316523.1 | 194150.4 | 100632.1 | S |
| 109.883 | 0.0000 | 0.0000 | 85.715 | 0.10078 | 0.00000 | 316523.1 | 194153.4 | 100632.1 | S |
| 109,892 | 0.0000 | 0.0000 | 85.715 | 0.10077 | 0.00000 | 316523.1 | 194156.4 | 100632.1 | S |
| 109.900 | 0.0000 | 0.0000 | 85.714 | 0.10076 | 0.00000 | 316523.1 | 194159.5 | 100632.1 | S |
| 109,908 | 0.0000 | 0.0000 | 85.714 | 0.10075 | 0.00000 | 316523.1 | 194162.5 | 100632.1 | S |
| 109.917 | 0.0000 | 0.0000 | 85.714 | 0.10074 | 0.00000 | 316523.1 | 194165.5 | 100632.1 | S |
| 109.925 | 0.0000 | 0.0000 | 85.714 | 0.10072 | 0.00000 | 316523.1 | 194168.5 | 100632.1 | S |
| 109.933 | 0.0000 | 0.0000 | 85.714 | 0.10071 | 0.00000 | 316523.1 | 194171.5 | 100632.1 | S |
| 109.942 | 0.0000 | 0.0000 | 85.713 | 0.10070 | 0.00000 | 316523.1 | 194174.6 | 100632.1 | S |
| 109.950 | 0.0000 | 0.0000 | 85.713 | 0.10069 | 0.00000 | 316523.1 | 194177.6 | 100632.1 | S |
| 109.958 | 0.0000 | 0.0000 | 85.713 | 0.10068 | 0.00000 | 316523.1 | 194180.6 | 100632.1 | S |
| 109.967 | 0.0000 | 0.0000 | 85.713 | 0.10067 | 0.00000 | 316523.1 | 194183.6 | 100632.1 | S |
| 109.975 | 0.0000 | 0.0000 | 85.713 | 0.10066 | 0.00000 | 316523.1 | 194186.6 | 100632.1 | S |
| 109.983 | 0.0000 | 0.0000 | 85.712 | 0.10065 | 0.00000 | 316523.1 | 194189.7 | 100632.1 | S |
| 109.992 | 0.0000 | 0.0000 | 85.712 | 0.10064 | 0.00000 | 316523.1 | 194192.7 | 100632.1 | S |
| 110.000 | 0.0000 | 0.0000 | 85.712 | 0.10063 | 0.00000 | 316523.1 | 194195.7 | 100632.1 | S |
| 110.008 | 0.0000 | 0.0000 | 85.712 | 0.10062 | 0.00000 | 316523.1 | 194198.7 | 100632.1 | S |
| 110.017 | 0.0000 | 0.0000 | 85.712 | 0.10061 | 0.00000 | 316523.1 | 194201.8 | 100632.1 | S |
| 110.025 | 0.0000 | 0.0000 | 85.711 | 0.10059 | 0.00000 | 316523.1 | 194204.8 | 100632.1 | S |
| 110.033 | 0.0000 | 0.0000 | 85.711 | 0.10058 | 0.00000 | 316523.1 | 194207.8 | 100632.1 | S |
| 110.042 | 0.0000 | 0.0000 | 85.711 | 0.10057 | 0.00000 | 316523.1 | 194210.8 | 100632.1 | S |
| 110.050 | 0.0000 | 0.0000 | 85.711 | 0.10056 | 0.00000 | 316523.1 | 194213.8 | 100632.1 | S |
| 110.058 | 0.0000 | 0.0000 | 85.711 | 0.10055 | 0.00000 | 316523.1 | 194216.8 | 100632.1 | S |
| 110.067 | 0.0000 | 0.0000 | 85.710 | 0.10054 | 0.00000 | 316523.1 | 194219.8 | 100632.1 | S |
| 110.075 | 0.0000 | 0.0000 | 85.710 | 0.10053 | 0.00000 | 316523.1 | 194222.9 | 100632.1 | S |
| 110.083 | 0.0000 | 0.0000 | 85.710 | 0.10052 | 0.00000 | 316523.1 | 194225.9 | 100632.1 | S |
| 110.092 | 0.0000 | 0.0000 | 85.710 | 0.10051 | 0.00000 | 316523.1 | 194228.9 | 100632.1 | S |
| 110.100 | 0.0000 | 0.0000 | 85.710 | 0.10050 | 0.00000 | 316523.1 | 194231.9 | 100632.1 | S |
| 110.108 | 0.0000 | 0.0000 | 85.709 | 0.10049 | 0.00000 | 316523.1 | 194234.9 | 100632.1 | S |
| 110.117 | 0.0000 | 0.0000 | 85.709 | 0.10048 | 0.00000 | 316523.1 | 194237.9 | 100632.1 | S |
| 110.125 | 0.0000 | 0.0000 | 85.709 | 0.10047 | 0.00000 | 316523.1 | 194241.0 | 100632.1 | S |
| 110.133 | 0.0000 | 0.0000 | 85.709 | 0.10045 | 0.00000 | 316523.1 | 194244.0 | 100632.1 | S |
| 110.142 | 0.0000 | 0.0000 | 85.709 | 0.10044 | 0.00000 | 316523.1 | 194247.0 | 100632.1 | S |
| 110.150 | 0.0000 | 0.0000 | 85.708 | 0.10043 | 0.00000 | 316523.1 | 194250.0 | 100632.1 | S |
| 110.158 | 0.0000 | 0.0000 | 85.708 | 0.10042 | 0.00000 | 316523.1 | 194253.0 | 100632.1 | S |
| 110.167 | 0.0000 | 0.0000 | 85.708 | 0.10041 | 0.00000 | 316523.1 | 194256.0 | 100632.1 | S |
| 110.175 | 0.0000 | 0.0000 | 85.708 | 0.10040 | 0.00000 | 316523.1 | 194259.0 | 100632.1 | S |
| 110.183 | 0.0000 | 0.0000 | 85.708 | 0.10039 | 0.00000 | 316523.1 | 194262.0 | 100632.1 | S |
| 110.192 | 0.0000 | 0.0000 | 85.708 | 0.10038 | 0.00000 | 316523.1 | 194265.0 | 100632.1 | S |
| 110.200 | 0.0000 | 0.0000 | 85.707 | 0.10037 | 0.00000 | 316523.1 | 194268.1 | 100632.1 | S |
| 110.208 | 0.0000 | 0.0000 | 85.707 | 0.10036 | 0.00000 | 316523.1 | 194271.1 | 100632.1 | S |
| 110.217 | 0.0000 | 0.0000 | 85.707 | 0.10035 | 0.00000 | 316523.1 | 194274.1 | 100632.1 | S |
| 110.225 | 0.0000 | 0.0000 | 85.707 | 0.10034 | 0.00000 | 316523.1 | 194277.1 | 100632.1 | S |
| 110.233 | 0.0000 | 0.0000 | 85.707 | 0.10033 | 0.00000 | 316523.1 | 194280.1 | 100632.1 | S |
| 110.242 | 0.0000 | 0.0000 | 85.706 | 0.10032 | 0.00000 | 316523.1 | 194283.1 | 100632.1 | S |
| 110.250 | 0.0000 | 0.0000 | 85.706 | 0.10030 | 0.00000 | 316523.1 | 194286.1 | 100632.1 | S |
| 110.258 | 0.0000 | 0.0000 | 85.706 | 0.10029 | 0.00000 | 316523.1 | 194289.1 | 100632.1 | S |
| 110.267 | 0.0000 | 0.0000 | 85.706 | 0.10028 | 0.00000 | 316523.1 | 194292.1 | 100632.1 | S |
| 110.275 | 0.0000 | 0.0000 | 85.706 | 0.10027 | 0.00000 | 316523.1 | 194295.2 | 100632.1 | S |
| 110.283 | 0.0000 | 0.0000 | 85.705 | 0.10026 | 0.00000 | 316523.1 | 194298.2 | 100632.1 | S |
| 110.292 | 0.0000 | 0.0000 | 85.705 | 0.10025 | 0.00000 | 316523.1 | 194301.2 | 100632.1 | S |
| 110.300 | 0.0000 | 0.0000 | 85.705 | 0.10024 | 0.00000 | 316523.1 | 194304.2 | 100632.1 | S |
| 110.308 | 0.0000 | 0.0000 | 85.705 | 0.10023 | 0.00000 | 316523.1 | 194307.2 | 100632.1 | S |
| 110.317 | 0.0000 | 0.0000 | 85.705 | 0.10022 | 0.00000 | 316523.1 | 194310.2 | 100632.1 | S |
| 110.325 | 0.0000 | 0.0000 | 85.704 | 0.10021 | 0.00000 | 316523.1 | 194313.2 | 100632.1 | S |
| \$10.333 | 0.0000 | 0.0000 | 85.704 | 0.10020 | 0.00000 | 316523.1 | 194316.2 | 100632.1 | S |
| 110.342 | 0.0000 | 0.0000 | 85.704 | 0.10019 | 0.00000 | 316523.1 | 194319.2 | 100632.1 | S |
| 110.350 | 0.0000 | 0.0000 | 85.704 | 0.10018 | 0.00000 | 316523.1 | 194322.2 | 100632.1 | S |
| 110.358 | 0.0000 | 0.0000 | 85.704 | 0.10017 | 0.00000 | 316523.1 | 194325.2 | 100632.1 | S |
| 110.367 | 0.0000 | 0.0000 | 85.703 | 0.10015 | 0.00000 | 316523.1 | 194328.2 | 100632.1 | S |
| 110.375 | 0.0000 | 0.0000 | 85.703 | 0.10014 | 0.00000 | 316523.1 | 194331.2 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:. Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate (ftys) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overfiow Discharge (ft ${ }^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{t}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 110.383 | 0.0000 | 0.0000 | 85.703 | 0.10013 | 0.00000 | 316523.1 | 194334.2 | 100632.1 | S |
| 110.392 | 0.0000 | 0.0000 | 85.703 | 0.10012 | 0.00000 | 316523.1 | 194337.2 | 100632.1 | S |
| 110.400 | 0.0000 | 0.0000 | 85.703 | 0.10011 | 0.00000 | 316523.1 | 194340.2 | 100632.1 | S |
| \$10.408 | 0.0000 | 0.0000 | 85.702 | 0.10010 | 0.00000 | 316523.1 | 194343.2 | 100632.1 | S |
| 110.417 | 0.0000 | 0.0000 | 85.702 | 0.10009 | 0.00000 | 316523.1 | 194346.3 | 100632.1 | S |
| 110.425 | 0.0000 | 0.0000 | 85.702 | 0.10008 | 0.00000 | 316523.1 | 194349.3 | 100632.1 | S |
| 110.433 | 0.0000 | 0.0000 | 85.702 | 0.10007 | 0.00000 | 316523.1 | 194352.3 | 100632.1 | S |
| 110.442 | 0.0000 | 0.0000 | 85.702 | 0.10006 | 0.00000 | 376523.1 | 194355.3 | 100632.1 | S |
| 110.450 | 0.0000 | 0.0000 | 85.702 | 0.10005 | 0.00000 | 316523.1 | 194358.3 | 100632.1 | S |
| 110.458 | 0.0000 | 0.0000 | 85.701 | 0.10004 | 0.00000 | 316523.1 | 194361.3 | 100632.1 | S |
| 110.467 | 0.0000 | 0.0000 | 85.701 | 0.10003 | 0.00000 | 316523.1 | 194364.3 | 100632.1 | S |
| 110.475 | 0.0000 | 0.0000 | 85.701 | 0.10002 | 0.00000 | 316523.1 | 194367.3 | 100632.1 | S |
| 110.483 | 0.0000 | 0.0000 | 85.701 | 0.10000 | 0.00000 | 316523.1 | 194370.3 | 100632.1 | S |
| 110.492 | 0.0000 | 0.0000 | 85.701 | 0.09999 | 0.00000 | 316523.1 | 194373.3 | 100632.1 | S |
| 110.500 | 0.0000 | 0.0000 | 85.700 | 0.09998 | 0.00000 | 316523.1 | 194376.3 | 100632.1 | S |
| 110.508 | 0.0000 | 0.0000 | 85.700 | 0.09997 | 0.00000 | 316523.1 | 194379.3 | 100632.1 | S |
| 110.517 | 0.0000 | 0.0000 | 85.700 | 0.09996 | 0.00000 | 316523.1 | 194382.3 | 100632.1 | S |
| 110.525 | 0.0000 | 0.0000 | 85.700 | 0.09995 | 0.00000 | 316523.1 | 194385.3 | 100632.1 | S |
| 110.533 | 0.0000 | 0.0000 | 85.700 | 0.09994 | 0.00000 | 316523.1 | 194388.3 | 100632.1 | S |
| 110.542 | 0.0000 | 0.0000 | 85.699 | 0.09993 | 0.00000 | 316523.1 | 194391.3 | 100632.1 | S |
| 110.550 | 0.0000 | 0.0000 | 85.699 | 0.09992 | 0.00000 | 316523.1 | 194394.3 | 100632.1 | S |
| 110.558 | 0.0000 | 0.0000 | 85.699 | 0.09991 | 0.00000 | 316523.1 | 194397.3 | 100632.1 | S |
| 110.567 | 0.0000 | 0.0000 | 85.699 | 0.09990 | 0.00000 | 316523.1 | 194400.2 | 100632.1 | S |
| 110.575 | 0.0000 | 0.0000 | 85.699 | 0.09989 | 0.00000 | 316523.1 | 194403.2 | 100632.1 | S |
| 110.583 | 0.0000 | 0.0000 | 85.698 | 0.09988 | 0.00000 | 316523.1 | 194406.2 | 100632.1 | S |
| 110.592 | 0.0000 | 0.0000 | 85.698 | 0.09987 | 0.00000 | 316523.1 | 194409.2 | 100632.1 | S |
| 110.600 | 0.0000 | 0.0000 | 85.698 | 0.09986 | 0.00000 | 316523.1 | 194412.2 | 100632.1 | S |
| 110.608 | 0.0000 | 0.0000 | 85.698 | 0.09984 | 0.00000 | 318523.1 | 194415.2 | 100632.1 | S |
| 110.617 | 0.0000 | 0.0000 | 85.698 | 0.09983 | 0.00000 | 316523.1 | 194418.2 | 100632.1 | S |
| 110.625 | 0.0000 | 0.0000 | 85.697 | 0.09982 | 0.00000 | 316523.1 | 194421.2 | 100632.1 | S |
| 110.633 | 0.0000 | 0.0000 | 85.697 | 0.09981 | 0.00000 | 316523.1 | 194424.2 | 100632.1 | S |
| 110.642 | 0.0000 | 0.0000 | 85.697 | 0.09980 | 0.00000 | 316523.1 | 194427.2 | 100632.1 | S |
| 110.650 | 0.0000 | 0.0000 | 85.697 | 0.09979 | 0.00000 | 316523.1 | 194430.2 | 100632.1 | S |
| 110.658 | 0.0000 | 0.0000 | 85.697 | 0.09978 | 0.00000 | 316523.1 | 194433.2 | 100632.1 | S |
| 110.667 | 0.0000 | 0.0000 | 85.697 | 0.09977 | 0.00000 | 316523.1 | 194436.2 | 100632.1 | S |
| 110.675 | 0.0000 | 0.0000 | 85.696 | 0.09976 | 0.00000 | 316523.1 | 194439.2 | 100632.1 | S |
| 110.683 | 0.0000 | 0.0000 | 85.696 | 0.09975 | 0.00000 | 316523.1 | 194442.2 | 100632.1 | S |
| 110.692 | 0.0000 | 0.0000 | 85.696 | 0.09974 | 0.00000 | 316523.1 | 194445.2 | 100632.1 | S |
| 110.700 | 0.0000 | 0.0000 | 85.696 | 0.09973 | 0.00000 | 316523.1 | 194448.2 | 100632.1 | S |
| 110.708 | 0.0000 | 0.0000 | 85.696 | 0.09972 | 0.00000 | 316523.1 | 194451.1 | 100632.1 | S |
| 110.717 | 0.0000 | 0.0000 | 85.695 | 0.09971 | 0.00000 | 316523.1 | 194454.1 | 100632.1 | S |
| 110.725 | 0.0000 | 0.0000 | 85.695 | 0.09970 | 0.00000 | 316523.1 | 194457.1 | 100632.1 | S |
| 110.733 | 0.0000 | 0.0000 | 85.695 | 0.09969 | 0.00000 | 316523.1 | 194460.1 | 100632.1 | S |
| 110.742 | 0.0000 | 0.0000 | 85.695 | 0.09967 | 0.00000 | 316523.1 | 194463.1 | 100632.1 | S |
| 110.750 | 0.0000 | 0.0000 | 85.695 | 0.09966 | 0.00000 | 316523.1 | 194466.1 | 100632.1 | S |
| 110.758 | 0.0000 | 0.0000 | 85.694 | 0.09965 | 0.00000 | 316523.1 | 194469.1 | 100632.1 | S |
| 110.767 | 0.0000 | 0.0000 | 85.694 | 0.09964 | 0.00000 | 316523.1 | 194472.1 | 100632.1 | S |
| 110.775 | 0.0000 | 0.0000 | 85.694 | 0.09963 | 0.00000 | 316523.1 | 194475.1 | 100632.1 | S |
| 110.783 | 0.0000 | 0.0000 | 85.694 | 0.09962 | 0.00000 | 316523.1 | 194478.0 | 100632.1 | S |
| 110.792 | 0.0000 | 0.0000 | 85.694 | 0.09961 | 0.00000 | 316523.1 | 194481.0 | 100632.1 | S |
| 110.800 | 0.0000 | 0.0000 | 85.693 | 0.09960 | 0.00000 | 316523.1 | 194484.0 | 100632.1 | S |
| 110.808 | 0.0000 | 0.0000 | 85.693 | 0.09959 | 0.00000 | 316523.1 | 194487.0 | 100632.1 | S |
| 110.817 | 0.0000 | 0.0000 | 85.693 | 0.09958 | 0.00000 | 316523.1 | 194490.0 | 100632.1 | S |
| 110.825 | 0.0000 | 0.0000 | 85.693 | 0.09957 | 0.00000 | 316523.1 | 194493.0 | 100632.1 | S |
| 110.833 | 0.0000 | 0.0000 | 85.693 | 0.09956 | 0.00000 | 316523.1 | 194496.0 | 100632.1 | S |
| 110.842 | 0.0000 | 0.0000 | 85.692 | 0.09955 | 0.00000 | 316523.1 | 194499.0 | 100632.1 | S |
| 110.850 | 0.0000 | 0.0000 | 85.692 | 0.09954 | 0.00000 | 316523.1 | 194502.0 | 100632.1 | S |
| 110.858 | 0.0000 | 0.0000 | 85.692 | 0.09953 | 0.00000 | 316523.1 | 194504.9 | 100632.1 | S |
| 110.867 | 0.0000 | 0.0000 | 85.692 | 0.09952 | 0.00000 | 316523.1 | 194507.9 | 100632.1 | S |
| 110.875 | 0.0000 | 0.0000 | 85.692 | 0.09950 | 0.00000 | 316523.1 | 194510.9 | 100632.1 | S |
| 110.883 | 0.0000 | 0.0000 | 85.691 | 0.09949 | 0.00000 | 316523.1 | 194513.9 | 100632.1 | S |
| 110.892 | 0.0000 | 0.0000 | 85.691 | 0.09948 | 0.00000 | 316523.1 | 194516.9 | 100632.1 | S |
| 110.900 | 0.0000 | 0.0000 | 85.691 | 0.09947 | 0.00000 | 316523.1 | 194519.9 | 100632.1 | S |
| 110.908 | 0.0000 | 0.0000 | 85.691 | 0.09946 | 0.00000 | 316523.1 | 194522.8 | 100632.1 | S |
| 110.917 | 0.0000 | 0.0000 | 85.691 | 0.09945 | 0.00000 | 316523.1 | 194525.8 | 100632.1 | S |
| 110.925 | 0.0000 | 0.0000 | 85,691 | 0.09944 | 0.00000 | 316523.1 | 194528.8 | 100632.1 | S |
| 110.933 | 0.0000 | 0.0000 | 85.690 | 0.09943 | 0.00000 | 316523.1 | 194531.8 | 100632.1 | S |
| 110.942 | 0.0000 | 0.0000 | 85.690 | 0.09942 | 0.00000 | 316523.1 | 194534.8 | 100632.1 | S |
| 110.950 | 0.0000 | 0.0000 | 85.690 | 0.09941 | 0.00000 | 316523.1 | 194537.8 | 100632.1 | S |
| 110.958 | 0.0000 | 0.0000 | 85.690 | 0.09940 | 0.00000 | 316523.1 | 194540.8 | 100632.1 | S |
| 110.967 | 0.0000 | 0.0000 | 85.690 | 0.09939 | 0.00000 | 316523.1 | 194543.7 | 100632.1 | S |
| 110.975 | 0.0000 | 0.0000 | 85.689 | 0.09938 | 0.00000 | 316523.1 | 194546.7 | 100632.1 | S |
| 110.983 | 0.0000 | 0.0000 | 85.689 | 0.09937 | 0.00000 | 316523.1 | 194549.7 | 100632.1 | S |
| 110.992 | 0.0000 | 0.0000 | 85.689 | 0.09936 | 0.00000 | 316523.1 | 194552.7 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) $\because:$ Scenario $1::$ pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | Inflow <br> Rate <br> ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (fl/day) | Stage Elevation (fl datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overfiow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Dischatge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 111.000 | 0.0000 | 0.0000 | 85.689 | 0.09935 | 0.00000 | 316523.1 | 194555.7 | 100632.1 | S |
| 111.008 | 0.0000 | 0.0000 | 85.689 | 0.09934 | 0.00000 | 316523.1 | 194558.6 | 100632.1 | S |
| 111.017 | 0.0000 | 0.0000 | 85.688 | 0.09932 | 0.00000 | 316523.1 | 194561.6 | 100632.1 | S |
| 111.025 | 0.0000 | 0.0000 | 85.688 | 0.09931 | 0.00000 | 316523.1 | 194564.6 | 100632.1 | S |
| 111.033 | 0.0000 | 0.0000 | 85.688 | 0.09930 | 0.00000 | 316523.1 | 194567.6 | 100632.1 | S |
| 111.042 | 0.0000 | 0.0000 | 85.688 | 0.09929 | 0.00000 | 316523.1 | 194570.5 | 100632.1 | S |
| 111.050 | 0.0000 | 0.0000 | 85.688 | 0.09928 | 0.00000 | 316523.1 | 194573.5 | 100632.1 | S |
| 111.058 | 0.0000 | 0.0000 | 85.687 | 0.09927 | 0.00000 | 316523.1 | 194576.5 | 100632.1 | S |
| 111.067 | 0.0000 | 0.0000 | 85.687 | 0.09926 | 0.00000 | 316523.1 | 194579.5 | 100632.1 | S |
| 711.075 | 0.0000 | 0.0000 | 85.687 | 0.09925 | 0.00000 | 316523.1 | 194582.5 | 100632.1 | S |
| 111.083 | 0.0000 | 0.0000 | 85.687 | 0.09924 | 0.00000 | 316523.1 | 194585.4 | 100632.1 | S |
| 111.092 | 0.0000 | 0.0000 | 85.687 | 0.09923 | 0.00000 | 316523.1 | 194588.4 | 100632.1 | S |
| 111.100 | 0.0000 | 0.0000 | 85.686 | 0.09922 | 0.00000 | 316523.1 | 194591.4 | 100632.1 | S |
| 111.108 | 0.0000 | 0.0000 | 85.686 | 0.09921 | 0.00000 | 316523.1 | 194594.4 | 100632.1 | S |
| 111.117 | 0.0000 | 0.0000 | 85.686 | 0.09920 | 0.00000 | 316523.1 | 194597.3 | 100632.1 | S |
| 111.125 | 0.0000 | 0.0000 | 85.686 | 0.09919 | 0.00000 | 316523.1 | 194600.3 | 100632.1 | S |
| 111.133 | 0.0000 | 0.0000 | 85.686 | 0.09918 | 0.00000 | 316523.1 | 194603.3 | 100632.1 | S |
| 111.142 | 0.0000 | 0.0000 | 85.686 | 0.09917 | 0.00000 | 316523.1 | 194606.3 | 100632.1 | S |
| 111.150 | 0.0000 | 0.0000 | 85.685 | 0.09916 | 0.00000 | 316523.1 | 194609.3 | 100632.1 | S |
| 111.158 | 0.0000 | 0.0000 | 85.685 | 0.09914 | 0.00000 | 316523.1 | 194612.2 | 100632.1 | S |
| 111.167 | 0.0000 | 0.0000 | 85.685 | 0.09913 | 0.00000 | 316523.1 | 194615.2 | 100632.1 | S |
| 111.175 | 0.0000 | 0.0000 | 85.685 | 0.09912 | 0.00000 | 316523.1 | 194618.2 | 100632.1 | S |
| 111.183 | 0.0000 | 0.0000 | 85.685 | 0.09911 | 0.00000 | 316523.1 | 194621.1 | 100632.1 | S |
| 111.192 | 0.0000 | 0.0000 | 85.684 | 0.09910 | 0.00000 | 316523.1 | 194624.1 | 100632.1 | S |
| 111.200 | 0.0000 | 0.0000 | 85.684 | 0.09909 | 0.00000 | 316523.1 | 194627.1 | 100632.1 | S |
| 111.208 | 0.0000 | 0.0000 | 85.684 | 0.09908 | 0.00000 | 316523.1 | 194630.1 | 100632.1 | S |
| 111.217 | 0.0000 | 0.0000 | 85.684 | 0.09907 | 0.00000 | 316523.1 | 194633.0 | 100632.1 | S |
| 111.225 | 0.0000 | 0.0000 | 85.684 | 0.09906 | 0.00000 | 316523.1 | 194636.0 | 100632.1 | S |
| 111.233 | 0.0000 | 0.0000 | 85.683 | 0.09905 | 0.00000 | 316523.1 | 194639.0 | 100632.1 | S |
| 111.242 | 0.0000 | 0.0000 | 85.683 | 0.09904 | 0.00000 | 316523.1 | 194642.0 | 100632.1 | S |
| 111.250 | 0.0000 | 0.0000 | 85.683 | 0.09903 | 0.00000 | 316523.1 | 194644.9 | 100632.1 | S |
| 111.258 | 0.0000 | 0.0000 | 85.683 | 0.09902 | 0.00000 | 316523.1 | 194647.9 | 100632.1 | S |
| 111.267 | 0.0000 | 0.0000 | 85.683 | 0.09901 | 0.00000 | 316523.1 | 194650.9 | 100632.1 | S |
| 111.275 | 0.0000 | 0.0000 | 85.682 | 0.09900 | 0.00000 | 316523.1 | 194653.8 | 100632.1 | S |
| 111.283 | 0.0000 | 0.0000 | 85.682 | 0.09899 | 0.00000 | 316523.1 | 194656.8 | 100632.1 | S |
| 111.292 | 0.0000 | 0.0000 | 85.682 | 0.09898 | 0.00000 | 316523.1 | 194659.8 | 100632.1 | S |
| 111.300 | 0.0000 | 0.0000 | 85.682 | 0.09897 | 0.00000 | 316523.1 | 194662.7 | 100632.1 | S |
| 111.308 | 0.0000 | 0.0000 | 85.682 | 0.09896 | 0.00000 | 316523.1 | 194665.7 | 100632.1 | S |
| 111.317 | 0.0000 | 0.0000 | 85.681 | 0.09894 | 0.00000 | 316523.1 | 194668.7 | 100632.1 | S |
| 111.325 | 0.0000 | 0.0000 | 85.681 | 0.09893 | 0.00000 | 316523.1 | 194671.6 | 100632.1 | S |
| 111.333 | 0.0000 | 0.0000 | 85.681 | 0.09892 | 0.00000 | 316523.1 | 194674.6 | 100632.1 | S |
| 111.342 | 0.0000 | 0.0000 | 85.681 | 0.09891 | 0.00000 | 316523.1 | 194677.6 | 100632.1 | S |
| 111.350 | 0.0000 | 0.0000 | 85.681 | 0.09890 | 0.00000 | 316523.1 | 194680.5 | 100632.1 | S |
| 111.358 | 0.0000 | 0.0000 | 85.681 | 0.09889 | 0.00000 | 316523.1 | 194683.5 | 100632.1 | S |
| 111.367 | 0.0000 | 0.0000 | 85.680 | 0.09888 | 0.00000 | 316523.1 | 194686.5 | 100632.1 | S |
| 111.375 | 0.0000 | 0.0000 | 85.680 | 0.09887 | 0.00000 | 316523.1 | 194689.5 | 100632.1 | S |
| 111.383 | 0.0000 | 0.0000 | 85.680 | 0.09886 | 0.00000 | 316523.1 | 194692.4 | 100632.1 | S |
| 111.392 | 0.0000 | 0.0000 | 85.680 | 0.09885 | 0.00000 | 316523.1 | 194695.4 | 100632.1 | S |
| 111.400 | 0.0000 | 0.0000 | 85.680 | 0.09884 | 0.00000 | 316523.1 | 194698.3 | 100632.1 | S |
| 111.408 | 0.0000 | 0.0000 | 85.679 | 0.09883 | 0.00000 | 316523.1 | 194701.3 | 100632.1 | S |
| 111.417 | 0.0000 | 0.0000 | 85.679 | 0.09882 | 0.00000 | 316523.1 | 194704.3 | 100632.1 | S |
| 111.425 | 0.0000 | 0.0000 | 85.679 | 0.09881 | 0.00000 | 316523.1 | 194707.2 | 100632.1 | S |
| 117.433 | 0.0000 | 0.0000 | 85.679 | 0.09880 | 0.00000 | 316523.1 | 194710.2 | 100632.1 | S |
| 111.442 | 0.0000 | 0.0000 | 85.679 | 0.09879 | 0.00000 | 316523.1 | 194713.2 | 100632.1 | S |
| 111.450 | 0.0000 | 0.0000 | 85.678 | 0.09878 | 0.00000 | 316523.1 | 194716.1 | 100632.1 | S |
| 111.458 | 0.0000 | 0.0000 | 85.678 | 0.09877 | 0.00000 | 316523.1 | 194719.1 | 100632.1 | S |
| 111.467 | 0.0000 | 0.0000 | 85.678 | 0.09876 | 0.00000 | 316523.1 | 194722.0 | 100632.1 | S |
| 111.475 | 0.0000 | 0.0000 | 85.678 | 0.09875 | 0.00000 | 316523.1 | 194725.0 | 100632.1 | S |
| 111.483 | 0.0000 | 0.0000 | 85.678 | 0.09873 | 0.00000 | 316523.1 | 194728.0 | 100632.1 | S |
| 111.492 | 0.0000 | 0.0000 | 85.677 | 0.09872 | 0.00000 | 316523.1 | 194730.9 | 100632.1 | S |
| 111.500 | 0.0000 | 0.0000 | 85.677 | 0.09871 | 0.00000 | 316523.1 | 194733.9 | 100632.1 | S |
| 111.508 | 0.0000 | 0.0000 | 85.677 | 0.09870 | 0.00000 | 316523.1 | 194736.9 | 100632.1 | S |
| 111.517 | 0.0000 | 0.0000 | 85.677 | 0.09869 | 0.00000 | 316523.1 | 194739.8 | 100632.1 | S |
| 111.525 | 0.0000 | 0.0000 | 85.677 | 0.09868 | 0.00000 | 316523.1 | 194742.8 | 100632.1 | S |
| 111.533 | 0.0000 | 0.0000 | 85.676 | 0.09867 | 0.00000 | 316523.1 | 194745.8 | 100632.1 | S |
| 111.542 | 0.0000 | 0.0000 | 85.676 | 0.09866 | 0.00000 | 316523.1 | 194748.7 | 100632.1 | S |
| 111.550 | 0.0000 | 0.0000 | 85.676 | 0.09865 | 0.00000 | 316523.1 | 194751.7 | 100632.1 | S |
| 111.558 | 0.0000 | 0.0000 | 85.676 | 0.09864 | 0.00000 | 316523.1 | 194754.6 | 100632.1 | S |
| 111.567 | 0.0000 | 0.0000 | 85.676 | 0.09863 | 0.00000 | 316523.1 | 194757.6 | 100632.1 | S |
| 111.575 | 0.0000 | 0.0000 | 85.676 | 0.09862 | 0.00000 | 316523.1 | 194760.5 | 100632.1 | S |
| 111.583 | 0.0000 | 0.0000 | 85.675 | 0.09861 | 0.00000 | 316523.1 | 194763.5 | 100632.1 | S |
| 111.592 | 0.0000 | 0.0000 | 85.675 | 0.09860 | 0.00000 | 316523.1 | 194766.5 | 100632.1 | S |
| 111.600 | 0.0000 | 0.0000 | 85.675 | 0.09859 | 0.00000 | 316523.1 | 194769.4 | 100632.1 | S |
| 111.608 | 0.0000 | 0.0000 | 85.675 | 0.09858 | 0.00000 | 316523.1 | 194772.4 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow


PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario $1::$ pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation ( f datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{fl}^{3 / \mathrm{s}}$ ) | Cumulative inflow Volume ( $f^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 112.233 | 0.0000 | 0.0000 | 85.660 | 0.09780 | 0.00000 | 316523.1 | 194993.3 | 100632.1 | S |
| 112.242 | 0.0000 | 0.0000 | 85.660 | 0.09779 | 0.00000 | 316523.1 | 194996.2 | 100632.1 | S |
| 112.250 | 0.0000 | 0.0000 | 85.660 | 0.09778 | 0.00000 | 316523.1 | 194999.2 | 100632.1 | S |
| 112.258 | 0.0000 | 0.0000 | 85.660 | 0.09777 | 0.00000 | 316523.1 | 195002.1 | 100632.1 | S |
| 112.267 | 0.0000 | 0.0000 | 85.660 | 0.09776 | 0.00000 | 316523.1 | 195005.0 | 100632.1 | S |
| 112.275 | 0.0000 | 0.0000 | 85.659 | 0.09775 | 0.00000 | 316523.1 | 195008.0 | 100632.1 | S |
| 112.283 | 0.0000 | 0.0000 | 85.659 | 0.09774 | 0.00000 | 316523.1 | 195010.9 | 100632.1 | S |
| 112.292 | 0.0000 | 0.0000 | 85.659 | 0.09773 | 0.00000 | 316523.1 | 195013.8 | 100632.1 | S |
| 112.300 | 0.0000 | 0.0000 | 85.659 | 0.09772 | 0.00000 | 316523.1 | 195016.8 | 100632.1 | S |
| 112.308 | 0.0000 | 0.0000 | 85.659 | 0.09770 | 0.00000 | 316523.1 | 195019.7 | 100632.1 | S |
| 112.317 | 0.0000 | 0.0000 | 85.659 | 0.09769 | 0.00000 | 316523.1 | 195022.6 | 100632.1 | S |
| 112.325 | 0.0000 | 0.0000 | 85.658 | 0.09768 | 0.00000 | 316523.1 | 195025.5 | 100632.1 | S |
| 112.333 | 0.0000 | 0.0000 | 85.658 | 0.09767 | 0.00000 | 316523.1 | 195028.5 | 100632.1 | S |
| 112.342 | 0.0000 | 0.0000 | 85.658 | 0.09766 | 0.00000 | 316523.1 | 195031.4 | 100632.1 | S |
| \$12.350 | 0.0000 | 0.0000 | 85.658 | 0.09765 | 0.00000 | 316523.1 | 195034.3 | 100632.1 | S |
| 112.358 | 0.0000 | 0.0000 | 85.658 | 0.09764 | 0.00000 | 316523.1 | 195037.3 | 100632.1 | S |
| 112.367 | 0.0000 | 0.0000 | 85.657 | 0.09763 | 0.00000 | 316523.1 | 195040.2 | 100632.1 | S |
| 112.375 | 0.0000 | 0.0000 | 85.657 | 0.09762 | 0.00000 | 316523.1 | 195043.1 | 100632.1 | S |
| 172.383 | 0.0000 | 0.0000 | 85.657 | 0.09761 | 0.00000 | 316523.1 | 195046.1 | 100632.1 | S |
| 112.392 | 0.0000 | 0.0000 | 85.657 | 0.09760 | 0.00000 | 316523.1 | 195049.0 | 100632.1 | S |
| 112.400 | 0.0000 | 0.0000 | 85.657 | 0.09759 | 0.00000 | 316523.1 | 195051.9 | 100632.1 | S |
| 112.408 | 0.0000 | 0.0000 | 85.656 | 0.09758 | 0.00000 | 316523.1 | 195054.8 | 100632.1 | S |
| 112.417 | 0.0000 | 0.0000 | 85.656 | 0.09757 | 0.00000 | 316523.1 | 195057.8 | 100632.1 | S |
| 112.425 | 0.0000 | 0.0000 | 85.656 | 0.09756 | 0.00000 | 316523.1 | 195060.7 | 100632.1 | S |
| 112.433 | 0.0000 | 0.0000 | 85.656 | 0.09755 | 0.00000 | 316523.1 | 195063.6 | 100632.4 | S |
| 112.442 | 0.0000 | 0.0000 | 85.656 | 0.09754 | 0.00000 | 316523.1 | 195066.5 | 100632.1 | S |
| 112.450 | 0.0000 | 0.0000 | 85.655 | 0.09753 | 0.00000 | 316523.1 | 195069.5 | 100632.1 | S |
| 112.458 | 0.0000 | 0.0000 | 85.655 | 0.09752 | 0.00000 | 316523.1 | 195072.4 | 100632.1 | S |
| 112.467 | 0.0000 | 0.0000 | 85.655 | 0.09751 | 0.00000 | 316523.1 | 195075.3 | 100632.1 | S |
| 112.475 | 0.0000 | 0.0000 | 85.655 | 0.09750 | 0.00000 | 316523.1 | 195078.3 | 100632.1 | S |
| 112.483 | 0.0000 | 0.0000 | 85.655 | 0.09749 | 0.00000 | 316523.1 | 195081.2 | 100632.1 | S |
| 112.492 | 0.0000 | 0.0000 | 85.655 | 0.09748 | 0.00000 | 316523.1 | 195084.1 | 100632.1 | S |
| 112.500 | 0.0000 | 0.0000 | 85.654 | 0.09747 | 0.00000 | 316523.1 | 195087.0 | 100632.1 | S |
| 112.508 | 0.0000 | 0.0000 | 85.654 | 0.09746 | 0.00000 | 316523.1 | 195090.0 | 100632.1 | S |
| 112.517 | 0.0000 | 0.0000 | 85.654 | 0.09745 | 0.00000 | 316523.1 | 195092.9 | 100632.1 | S |
| 112.525 | 0.0000 | 0.0000 | 85.654 | 0.09744 | 0.00000 | 316523.1 | 195095.8 | 100632.1 | S |
| 112.533 | 0.0000 | 0.0000 | 85.654 | 0.09743 | 0.00000 | 316523.1 | 195098.7 | 100632.1 | S |
| 112.542 | 0.0000 | 0.0000 | 85.653 | 0.09742 | 0.00000 | 316523.1 | 195101.6 | 100632.1 | S |
| 112.550 | 0.0000 | 0.0000 | 85.653 | 0.09741 | 0.00000 | 316523.1 | 195104.6 | 100632.1 | S |
| 112.558 | 0.0000 | 0.0000 | 85.653 | 0.09740 | 0.00000 | 316523.1 | 195107.5 | 100632.1 | S |
| 112.567 | 0.0000 | 0.0000 | 85.653 | 0.09739 | 0.00000 | 316523.1 | 195110.4 | 100632.1 | S |
| 112.575 | 0.0000 | 0.0000 | 85.653 | 0.09738 | 0.00000 | 316523.1 | 195113.3 | 100632.3 | S |
| 112.583 | 0.0000 | 0.0000 | 85.652 | 0.09737 | 0.00000 | 316523.1 | 195116.3 | 100632.1 | S |
| 112.592 | 0.0000 | 0.0000 | 85.652 | 0.09735 | 0.00000 | 316523.1 | 195119.2 | 100632.1 | S |
| 112.600 | 0.0000 | 0.0000 | 85.652 | 0.09734 | 0.00000 | 316523.1 | 195122.1 | 100632.1 | S |
| 112.608 | 0.0000 | 0.0000 | 85.652 | 0.09733 | 0.00000 | 316523.1 | 195125.0 | 100632.1 | S |
| 112.617 | 0.0000 | 0.0000 | 85.652 | 0.09732 | 0.00000 | 316523.1 | 195127.9 | 100632.1 | S |
| 112.625 | 0.0000 | 0.0000 | 85.651 | 0.09731 | 0.00000 | 316523.1 | 195130.8 | 100632.1 | S |
| 112.633 | 0.0000 | 0.0000 | 85.651 | 0.09730 | 0.00000 | 316523.1 | 195133.8 | 100632.1 | S |
| 112.642 | 0.0000 | 0.0000 | 85.651 | 0.09729 | 0.00000 | 316523.1 | 195136.7 | 100632.1 | S |
| 112.650 | 0.0000 | 0.0000 | 85.651 | 0.09728 | 0.00000 | 316523.1 | 195139.6 | 100632.1 | S |
| 112.658 | 0.0000 | 0.0000 | 85.651 | 0.09727 | 0.00000 | 316523.1 | 195142.5 | 100632.1 | S |
| 112.667 | 0.0000 | 0.0000 | 85.651 | 0.09726 | 0.00000 | 316523.1 | 195145.4 | 100632.1 | S |
| 112.675 | 0.0000 | 0.0000 | 85.650 | 0.09725 | 0.00000 | 316523.1 | 195148.4 | 100632.1 | S |
| 112.683 | 0.0000 | 0.0000 | 85.650 | 0.09724 | 0.00000 | 316523.1 | 195151.3 | 100632.1 | S |
| 112.692 | 0.0000 | 0.0000 | 85.650 | 0.09723 | 0.00000 | 316523.1 | 195154.2 | 100632.1 | S |
| 112.700 | 0.0000 | 0.0000 | 85.650 | 0.09722 | 0.00000 | 316523.1 | 195157.1 | 100632.1 | S |
| 112.708 | 0.0000 | 0.0000 | 85.650 | 0.09721 | 0.00000 | 316523.1 | 195160.0 | 100632.1 | S |
| 112.717 | 0.0000 | 0.0000 | 85.649 | 0.09720 | 0.00000 | 316523.1 | 195162.9 | 100632.1 | S |
| 112.725 | 0.0000 | 0.0000 | 85.649 | 0.09719 | 0.00000 | 316523.1 | 195165.9 | 100632.1 | S |
| 112.733 | 0.0000 | 0.0000 | 85.649 | 0.09718 | 0.00000 | 316523.1 | 195168.8 | 100632.1 | S |
| 112.742 | 0.0000 | 0.0000 | 85.649 | 0.09717 | 0.00000 | 316523.1 | 195171.7 | 100632.1 | S |
| 112.750 | 0.0000 | 0.0000 | 85.649 | 0.09716 | 0.00000 | 316523.1 | 195174.6 | 100632.1 | S |
| 112.758 | 0.0000 | 0.0000 | 85.648 | 0.09715 | 0.00000 | 316523.1 | 195177.5 | 100632.1 | S |
| 112.767 | 0.0000 | 0.0000 | 85.648 | 0.09714 | 0.00000 | 316523.1 | 195180.4 | 100632.1 | S |
| 112.775 | 0.0000 | 0.0000 | 85.648 | 0.09713 | 0.00000 | 316523.1 | 195183.3 | 100632.1 | S |
| 112.783 | 0.0000 | 0.0000 | 85.648 | 0.09712 | 0.00000 | 316523.1 | 195186.3 | 100632.1 | S |
| 112.792 | 0.0000 | 0.0000 | 85.648 | 0.09711 | 0.00000 | 316523.1 | 195189.2 | 100632.1 | S |
| 112.800 | 0.0000 | 0.0000 | 85.647 | 0.09710 | 0.00000 | 316523.1 | 195192.1 | 100632.1 | S |
| 112.808 | 0.0000 | 0.0000 | 85.647 | 0.09709 | 0.00000 | 316523.1 | 195195.0 | 100632.1 | S |
| 112.817 | 0.0000 | 0.0000 | 85.647 | 0.09708 | 0.00000 | 316523.1 | 195197.9 | 100632.1 | S |
| 112.825 | 0.0000 | 0.0000 | 85.647 | 0.09707 | 0.00000 | 316523.1 | 195200.8 | 100632.1 | S |
| 112.833 | 0.0000 | 0.0000 | 85.647 | 0.09706 | 0.00000 | 316523.1 | 195203.7 | 100632.1 | S |
| 112.842 | 0.0000 | 0.0000 | 85.647 | 0.09705 | 0.00000 | 316523.1 | 195206.7 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{13 / s}$ ) | Outside Recharge (flday) | Stage Elevation ( ft datum) | Infiltration Rate (ft ${ }^{3} / \mathrm{s}$ ) | Overfiow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 112.850 | 0.0000 | 0.0000 | 85.046 | 0.09704 | 0.00000 | 316523.1 | 195209.6 | 100632.1 | S |
| 112.858 | 0.0000 | 0.0000 | 85.646 | 0.09703 | 0.00000 | 316523.1 | 195212.5 | 100632.1 | S |
| 112.867 | 0.0000 | 0.0000 | 85.646 | 0.09702 | 0.00000 | 316523.1 | 195215.4 | 100632.1 | S |
| 112.875 | 0.0000 | 0.0000 | 85.646 | 0.09701 | 0.00000 | 316523.1 | 195218.3 | 100632.1 | S |
| 112.883 | 0.0000 | 0.0000 | 85.646 | 0.09700 | 0.00000 | 316523.1 | 195221.2 | 100632.1 | S |
| 112.892 | 0.0000 | 0.0000 | 85.645 | 0.09699 | 0.00000 | 316523.1 | 195224.1 | 100632.1 | S |
| 112.900 | 0.0000 | 0.0000 | 85.645 | 0.09698 | 0.00000 | 316523.1 | 195227.0 | 100632.1 | S |
| 112.908 | 0.0000 | 0.0000 | 85.645 | 0.09697 | 0.00000 | 316523.1 | 195229.9 | 100632.1 | S |
| 112.917 | 0.0000 | 0.0000 | 85.645 | 0.09696 | 0.00000 | 316523.1 | 195232.8 | 100632.1 | S |
| 112.925 | 0.0000 | 0.0000 | 85.645 | 0.09695 | 0.00000 | 316523.1 | 195235.8 | 100632.1 | S |
| 112.933 | 0.0000 | 0.0000 | 85.644 | 0.09694 | 0.00000 | 316523.1 | 195238.7 | 100632.1 | S |
| 112.942 | 0.0000 | 0.0000 | 85.644 | 0.09692 | 0.00000 | 316523.1 | 195241.6 | 100632.1 | S |
| 112.950 | 0.0000 | 0.0000 | 85.644 | 0.09691 | 0.00000 | 316523.1 | 195244.5 | 100632.1 | S |
| 112.958 | 0.0000 | 0.0000 | 85.644 | 0.09690 | 0.00000 | 316523.1 | 195247.4 | 100632.1 | S |
| 112.967 | 0.0000 | 0.0000 | 85.644 | 0.09689 | 0.00000 | 316523.1 | 195250.3 | 100632.1 | S |
| 112.975 | 0.0000 | 0.0000 | 85.644 | 0.09688 | 0.00000 | 316523.1 | 195253.2 | 100632.1 | S |
| 112.983 | 0.0000 | 0.0000 | 85.643 | 0.09687 | 0.00000 | 316523.1 | 195256.1 | 100632.1 | S |
| 112.992 | 0.0000 | 0.0000 | 85.643 | 0.09686 | 0.00000 | 316523.1 | 195259.0 | 100632.1 | S |
| 113.000 | 0.0000 | 0.0000 | 85.643 | 0.09685 | 0.00000 | 316523.1 | 195261.9 | 100632.1 | S |
| 113.008 | 0.0000 | 0.0000 | 85.643 | 0.09684 | 0.00000 | 316523.1 | 195264.8 | 100632.1 | S |
| 113.017 | 0.0000 | 0.0000 | 85.643 | 0.09683 | 0.00000 | 316523.1 | 195267.7 | 100632.1 | S |
| 173.025 | 0.0000 | 0.0000 | 85.642 | 0.09682 | 0.00000 | 316523.1 | 195270.6 | 100632.1 | S |
| 113.033 | 0.0000 | 0.0000 | 85.642 | 0.09681 | 0.00000 | 316523.1 | 195273.5 | 100632.1 | S |
| 113.042 | 0.0000 | 0.0000 | 85.642 | 0.09680 | 0.00000 | 316523.1 | 195276.4 | 100632.1 | S |
| 113.050 | 0.0000 | 0.0000 | 85.642 | 0.09679 | 0.00000 | 316523.1 | 195279.3 | 100632.1 | S |
| 113.058 | 0.0000 | 0.0000 | 85.642 | 0.09678 | 0.00000 | 316523.1 | 195282.3 | 100632.1 | S |
| 113.067 | 0.0000 | 0.0000 | 85.641 | 0.09677 | 0.00000 | 316523.1 | 195285.1 | 100632.1 | S |
| 113.075 | 0.0000 | 0.0000 | 85.641 | 0.09676 | 0.00000 | 316523.1 | 195288.0 | 100632.1 | S |
| 113.083 | 0.0000 | 0.0000 | 85.641 | 0.09675 | 0.00000 | 316523.1 | 195291.0 | 100632.1 | S |
| 113.092 | 0.0000 | 0.0000 | 85.641 | 0.09674 | 0.00000 | 316523.1 | 195293.9 | 100632.1 | S |
| 113.100 | 0.0000 | 0.0000 | 85.641 | 0.09673 | 0.00000 | 316523.1 | 195296.8 | 100632.1 | S |
| 113.108 | 0.0000 | 0.0000 | 85.640 | 0.09672 | 0.00000 | 316523.1 | 195299.7 | 100632.1 | S |
| 113.117 | 0.0000 | 0.0000 | 85.640 | 0.09671 | 0.00000 | 316523.1 | 195302.6 | 100632.1 | S |
| 113.125 | 0.0000 | 0.0000 | 85.640 | 0.09670 | 0.00000 | 316523.1 | 195305.5 | 100632.1 | S |
| 113.133 | 0.0000 | 0.0000 | 85.640 | 0.09668 | 0.00000 | 316523.1 | 195308.4 | 100632.1 | S |
| 113.142 | 0.0000 | 0.0000 | 85.640 | 0.09668 | 0.00000 | 316523.1 | 195311.3 | 100632.1 | S |
| 113.150 | 0.0000 | 0.0000 | 85.640 | 0.09667 | 0.00000 | 316523.1 | 195314.2 | 100632.1 | S |
| 113.158 | 0.0000 | 0.0000 | 85.639 | 0.09666 | 0.00000 | 316523.1 | 195317.1 | 100632.1 | S |
| 113.167 | 0.0000 | 0.0000 | 85.639 | 0.09665 | 0.00000 | 316523.1 | 195320.0 | 100632.1 | S |
| 113.175 | 0.0000 | 0.0000 | 85.639 | 0.09664 | 0.00000 | 316523.1 | 195322.9 | 100632.1 | S |
| 113.183 | 0.0000 | 0.0000 | 85.639 | 0.09663 | 0.00000 | 316523.1 | 195325.8 | 100632.1 | S |
| 113.192 | 0.0000 | 0.0000 | 85.639 | 0.09662 | 0.00000 | 316523.1 | 195328.7 | 100632.1 | S |
| 113.200 | 0.0000 | 0.0000 | 85.638 | 0.09661 | 0.00000 | 316523.1 | 195331.6 | 100632.1 | S |
| 113.208 | 0.0000 | 0.0000 | 85.638 | 0.09660 | 0.00000 | 316523.1 | 195334.5 | 100632.1 | S |
| 113.217 | 0.0000 | 0.0000 | 85.638 | 0.09659 | 0.00000 | 316523.1 | 195337.4 | 100632.1 | S |
| 113.225 | 0.0000 | 0.0000 | 85.638 | 0.09658 | 0.00000 | 316523.1 | 195340.3 | 100632.1 | S |
| 113.233 | 0.0000 | 0.0000 | 85.638 | 0.09657 | 0.00000 | 316523.1 | 195343.1 | 100632.1 | S |
| 113.242 | 0.0000 | 0.0000 | 85.637 | 0.09656 | 0.00000 | 316523.1 | 195346.0 | 100632.1 | S |
| 113.250 | 0.0000 | 0.0000 | 85.637 | 0.09655 | 0.00000 | 316523.1 | 195348.9 | 100632.1 | S |
| 113.258 | 0.0000 | 0.0000 | 85.637 | 0.09654 | 0.00000 | 316523.1 | 195351.8 | 100632.1 | S |
| 113.267 | 0.0000 | 0.0000 | 85.637 | 0.09653 | 0.00000 | 316523.1 | 195354.7 | 100632.1 | S |
| 113.275 | 0.0000 | 0.0000 | 85.637 | 0.09652 | 0.00000 | 316523.1 | 195357.6 | 100632.1 | S |
| 113.283 | 0.0000 | 0.0000 | 85.637 | 0.09651 | 0.00000 | 316523.1 | 195360.5 | 100632.1 | S |
| \$13.292 | 0.0000 | 0.0000 | 85.636 | 0.09650 | 0.00000 | 316523.1 | 195363.4 | 100632.1 | S |
| 113.300 | 0.0000 | 0.0000 | 85.636 | 0.09649 | 0.00000 | 316523.1 | 195366.3 | 100632.1 | S |
| 113.308 | 0.0000 | 0.0000 | 85.636 | 0.09648 | 0.00000 | 316523.1 | 195369.2 | 100632.1 | S |
| 113.317 | 0.0000 | 0.0000 | 85.636 | 0.09647 | 0.00000 | 316523.1 | 195372.1 | 100632.1 | S |
| 113.325 | 0.0000 | 0.0000 | 85.636 | 0.09646 | 0.00000 | 316523.1 | 195375.0 | 100632.1 | S |
| 113.333 | 0.0000 | 0.0000 | 85.635 | 0.09645 | 0.00000 | 316523.1 | 195377.9 | 100632.1 | S |
| 113.342 | 0.0000 | 0.0000 | 85.635 | 0.09644 | 0.00000 | 316523.1 | 195380.8 | 100632.1 | S |
| 113.350 | 0.0000 | 0.0000 | 85.635 | 0.09643 | 0.00000 | 316523.1 | 195383.7 | 100632.1 | S |
| 113.358 | 0.0000 | 0.0000 | 85.635 | 0.09642 | 0.00000 | 316523.1 | 195386.6 | 100632.1 | S |
| 113.367 | 0.0000 | 0.0000 | 85.635 | 0.09641 | 0.00000 | 316523.1 | 195389.5 | 100632.1 | S |
| 113.375 | 0.0000 | 0.0000 | 85.634 | 0.09640 | 0.00000 | 316523.1 | 195392.4 | 100632.1 | S |
| 113.383 | 0.0000 | 0.0000 | 85.634 | 0.08639 | 0.00000 | 316523.1 | 195395.3 | 100632.1 | S |
| 113.392 | 0.0000 | 0.0000 | 85.634 | 0.09638 | 0.00000 | 316523.1 | 195398.1 | 100632.1 | S |
| 113.400 | 0.0000 | 0.0000 | 85.634 | 0.09637 | 0.00000 | 316523.1 | 195401.0 | 100632.1 | S |
| 113.408 | 0.0000 | 0.0000 | 85.634 | 0.09636 | 0.00000 | 316523.1 | 195403.9 | 100632.1 | S |
| 113.417 | 0.0000 | 0.0000 | 85.633 | 0.09635 | 0.00000 | 316523.1 | 195406.8 | 100632.1 | S |
| 113.425 | 0.0000 | 0.0000 | 85.633 | 0.09634 | 0.00000 | 316523.1 | 195409.7 | 100632.1 | S |
| 113.433 | 0.0000 | 0.0000 | 85.633 | 0.09633 | 0.00000 | 316523.1 | 195412.6 | 100632.1 | S |
| 113.442 | 0.0000 | 0.0000 | 85.633 | 0.09632 | 0.00000 | 316523.1 | 195415.5 | 100632.1 | S |
| 113.450 | 0.0000 | 0.0000 | 85.633 | 0.09631 | 0.00000 | 316523.1 | 195418.4 | 100632.1 | S |
| 113.458 | 0.0000 | 0.0000 | 85.633 | 0.09630 | 0.00000 | 316523.1 | 195421.3 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside <br> Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{H}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{H}^{3}$ ) | Curnulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 113.467 | 0.0000 | 0.0000 | 85.632 | 0.09629 | 0.00000 | 316523.1 | 195424.1 | 100632.1 | S |
| 113.475 | 0.0000 | 0.0000 | 85.632 | 0.09628 | 0.00000 | 316523.1 | 195427.0 | 100632.1 | S |
| 113.483 | 0.0000 | 0.0000 | 85.632 | 0.09627 | 0.00000 | 316523.1 | 195429.9 | 100632.7 | S |
| 113.492 | 0.0000 | 0.0000 | 85.632 | 0.09626 | 0.00000 | 316523.1 | 195432.8 | 100632.1 | S |
| 113.500 | 0.0000 | 0.0000 | 85.632 | 0.09624 | 0.00000 | 316523.1 | 195435.7 | 100632.1 | S |
| 113.508 | 0.0000 | 0.0000 | 85.631 | 0.09623 | 0.00000 | 316523.1 | 195438.6 | 100632.1 | S |
| 113.517 | 0.0000 | 0.0000 | 85.631 | 0.09622 | 0.00000 | 316523.1 | 195441.5 | 100632.1 | S |
| 113.525 | 0.0000 | 0.0000 | 85.631 | 0.09621 | 0.00000 | 316523.1 | 195444.4 | 100632.1 | S |
| 113.533 | 0.0000 | 0.0000 | 85.631 | 0.09620 | 0.00000 | 316523.1 | 195447.3 | 100632.1 | S |
| 113.542 | 0.0000 | 0.0000 | 85.631 | 0.09619 | 0.00000 | 316523.1 | 195450.1 | 100632.1 | S |
| 113.550 | 0.0000 | 0.0000 | 85.630 | 0.09618 | 0.00000 | 316523.1 | 195453.0 | 100632.1 | S |
| 113.558 | 0.0000 | 0.0000 | 85.630 | 0.09617 | 0.00000 | 316523.1 | 195455.9 | 100632.1 | S |
| 113.567 | 0.0000 | 0.0000 | 85.630 | 0.09616 | 0.00000 | 316523.1 | 195458.8 | 100632.1 | S |
| 113.575 | 0.0000 | 0.0000 | 85.630 | 0.09615 | 0.00000 | 316523.1 | 195461.7 | 100632.1 | S |
| 113.583 | 0.0000 | 0.0000 | 85.630 | 0.09614 | 0.00000 | 316523.1 | 195464.6 | 100632.1 | S |
| 113.592 | 0.0000 | 0.0000 | 85.630 | 0.09613 | 0.00000 | 316523.1 | 195467.4 | 100632.1 | S |
| 113.600 | 0.0000 | 0.0000 | 85.629 | 0.09612 | 0.00000 | 316523.1 | 195470.3 | 100632.1 | S |
| 113.608 | 0.0000 | 0.0000 | 85.629 | 0.09611 | 0.00000 | 316523.1 | 195473.2 | 100632.1 | S |
| 113.617 | 0.0000 | 0.0000 | 85.629 | 0.09610 | 0.00000 | 316523.1 | 195476.1 | 100632.1 | S |
| 113.625 | 0.0000 | 0.0000 | 85.629 | 0.09609 | 0.00000 | 316523.1 | 195479.0 | 100632.1 | S |
| 113.633 | 0.0000 | 0.0000 | 85.629 | 0.09608 | 0.00000 | 316523.1 | 195481.9 | 100632.1 | S |
| 113.642 | 0.0000 | 0.0000 | 85.628 | 0.09607 | 0.00000 | 316523.1 | 195484.7 | 100632.1 | S |
| 113.650 | 0.0000 | 0.0000 | 85.628 | 0.09606 | 0.00000 | 316523.1 | 195487.6 | 100632.1 | S |
| 113.658 | 0.0000 | 0.0000 | 85.628 | 0.09605 | 0.00000 | 316523.1 | 195490.5 | 100632.1 | S |
| 113.667 | 0.0000 | 0.0000 | 85.628 | 0.09604 | 0.00000 | 316523.1 | 195493.4 | 100632.1 | S |
| 113.675 | 0.0000 | 0.0000 | 85.628 | 0.09603 | 0.00000 | 316523.1 | 195496.3 | 100632.1 | S |
| 113.683 | 0.0000 | 0.0000 | 85.627 | 0.09602 | 0.00000 | 316523.1 | 195499.1 | 100632.1 | S |
| 113.692 | 0.0000 | 0.0000 | 85.627 | 0.09601 | 0.00000 | 316523.1 | 195502.0 | 100632.1 | S |
| 113.700 | 0.0000 | 0.0000 | 85.627 | 0.09600 | 0.00000 | 316523.1 | 195504.9 | 100632.1 | S |
| 113.708 | 0.0000 | 0.0000 | 85.627 | 0.09599 | 0.00000 | 316523.1 | 195507.8 | 100632.1 | S |
| 113.717 | 0.0000 | 0.0000 | 85.627 | 0.09598 | 0.00000 | 316523.1 | 195510.7 | 100632.1 | S |
| 113.725 | 0.0000 | 0.0000 | 85.627 | 0.09597 | 0.00000 | 316523.1 | 195513.5 | 100632.1 | S |
| 113.733 | 0.0000 | 0.0000 | 85.626 | 0.09596 | 0.00000 | 316523.1 | 195516.4 | 100632.1 | S |
| 113.742 | 0.0000 | 0.0000 | 85.626 | 0.09595 | 0.00000 | 316523.1 | 195519.3 | 100632.1 | S |
| 113.750 | 0.0000 | 0.0000 | 85.626 | 0.09594 | 0.00000 | 316523.1 | 195522.2 | 100632.1 | S |
| 113.758 | 0.0000 | 0.0000 | 85.626 | 0.09593 | 0.00000 | 316523.1 | 195525.1 | 100632.1 | S |
| 113.767 | 0.0000 | 0.0000 | 85.626 | 0.09592 | 0.00000 | 316523.1 | 195527.9 | 100632.1 | S |
| 113.775 | 0.0000 | 0.0000 | 85.625 | 0.09591 | 0.00000 | 316523.1 | 195530.8 | 100632.1 | S |
| 113.783 | 0.0000 | 0.0000 | 85.625 | 0.09590 | 0.00000 | 316523.1 | 195533.7 | 100632.1 | S |
| 113.792 | 0.0000 | 0.0000 | 85.625 | 0.09589 | 0.00000 | 316523.1 | 195536.6 | 100632.1 | S |
| 113.800 | 0.0000 | 0.0000 | 85.625 | 0.09588 | 0.00000 | 316523.1 | 195539.5 | 100632.1 | S |
| 113.808 | 0.0000 | 0.0000 | 85.625 | 0.09587 | 0.00000 | 316523.1 | 195542.3 | 100632.1 | S |
| 113.817 | 0.0000 | 0.0000 | 85.624 | 0.09586 | 0.00000 | 316523.1 | 195545.2 | 100632.1 | S |
| 113.825 | 0.0000 | 0.0000 | 85.624 | 0.09585 | 0.00000 | 316523.1 | 195548.1 | 100632.1 | S |
| 113.833 | 0.0000 | 0.0000 | 85.624 | 0.09584 | 0.00000 | 316523.1 | 195551.0 | 100632.1 | S |
| 113.842 | 0.0000 | 0.0000 | 85.624 | 0.09583 | 0.00000 | 316523.1 | 195553.8 | 100632.1 | S |
| 113.850 | 0.0000 | 0.0000 | 85.624 | 0.09582 | 0.00000 | 316523.1 | 195556.7 | 100632.1 | S |
| 113.858 | 0.0000 | 0.0000 | 85.624 | 0.09581 | 0.00000 | 316523.1 | 195559.6 | 100632.1 | S |
| 113.867 | 0.0000 | 0.0000 | 85.623 | 0.09580 | 0.00000 | 316523.1 | 195562.5 | 100632.1 | S |
| 113.875 | 0.0000 | 0.0000 | 85.623 | 0.09579 | 0.00000 | 316523.1 | 195565.3 | 100632.1 | S |
| 113.883 | 0.0000 | 0.0000 | 85.623 | 0.09578 | 0.00000 | 316523.1 | 195568.2 | 100632.1 | S |
| 113.892 | 0.0000 | 0.0000 | 85.623 | 0.09577 | 0.00000 | 316523.1 | 195571.1 | 100632.1 | S |
| 113.900 | 0.0000 | 0.0000 | 85.623 | 0.09576 | 0.00000 | 316523.1 | 195573.9 | 100632.1 | S |
| 113.908 | 0.0000 | 0.0000 | 85.622 | 0.09575 | 0.00000 | 316523.1 | 195576.8 | 100632.1 | S |
| 113.917 | 0.0000 | 0.0000 | 85.622 | 0.09574 | 0.00000 | 316523.1 | 195579.7 | 100632.1 | S |
| 113.925 | 0.0000 | 0.0000 | 85.622 | 0.09573 | 0.00000 | 316523.1 | 195582.6 | 100632.1 | S |
| 113.933 | 0.0000 | 0.0000 | 85.622 | 0.09572 | 0.00000 | 316523.1 | 195585.4 | 100632.1 | S |
| 113.942 | 0.0000 | 0.0000 | 85.622 | 0.09571 | 0.00000 | 316523.1 | 195588.3 | 100632.1 | S |
| 113.950 | 0.0000 | 0.0000 | 85.621 | 0.09570 | 0.00000 | 316523.1 | 195591.2 | 100632.1 | S |
| 113.958 | 0.0000 | 0.0000 | 85.621 | 0.09569 | 0.00000 | 316523.1 | 195594.0 | 100632.1 | S |
| 113.967 | 0.0000 | 0.0000 | 85.621 | 0.09568 | 0.00000 | 316523.1 | 195596.9 | 100632.1 | S |
| 113.975 | 0.0000 | 0.0000 | 85.621 | 0.09567 | 0.00000 | 316523.1 | 195599.8 | 100632.1 | S |
| 113.983 | 0.0000 | 0.0000 | 85.621 | 0.09566 | 0.00000 | 316523.1 | 195602.7 | 100632.1 | S |
| 113.992 | 0.0000 | 0.0000 | 85.620 | 0.09565 | 0.00000 | 316523.1 | 195605.5 | 100632.1 | S |
| 114.000 | 0.0000 | 0.0000 | 85.620 | 0.09564 | 0.00000 | 316523.1 | 195608.4 | 100632.1 | S |
| 114.008 | 0.0000 | 0.0000 | 85.620 | 0.09563 | 0.00000 | 316523.1 | 195611.3 | 100632.1 | S |
| 114.017 | 0.0000 | 0.0000 | 85.620 | 0.09562 | 0.00000 | 316523.1 | 195614.1 | 100632.1 | S |
| 114.025 | 0.0000 | 0.0000 | 85.620 | 0.09561 | 0.00000 | 316523.1 | 195617.0 | 100632.1 | S |
| 114.033 | 0.0000 | 0.0000 | 85.620 | 0.09560 | 0.00000 | 316523.1 | 195619.9 | 100632.1 | S |
| 114.042 | 0.0000 | 0.0000 | 85.619 | 0.09559 | 0.00000 | 316523.1 | 195622.7 | 100632.1 | S |
| 114.050 | 0.0000 | 0.0000 | 85.619 | 0.09558 | 0.00000 | 316523.1 | 195625.6 | 100632.1 | S |
| 114.058 | 0.0000 | 0.0000 | 85.619 | 0.09557 | 0.00000 | 316523.1 | 195628.5 | 100632.1 | S |
| 114.067 | 0.0000 | 0.0000 | 85.619 | 0.09556 | 0.00000 | 316523.1 | 195631.3 | 100632.1 | S |
| 114.075 | 0.0000 | 0.0000 | 85.619 | 0.09555 | 0.00000 | 316523.1 | 195634.2 | 100632.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:. Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (fl datum) | Infiltration Rate (ft ${ }^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative \{nflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Enfiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 114.083 | 0.0000 | 0.0000 | 85.618 | 0.09554 | 0.00000 | 316523.1 | 195637.1 | 100632.1 | S |
| 114.092 | 0.0000 | 0.0000 | 85.618 | 0.09553 | 0.00000 | 316523.1 | 195639.9 | 100632.1 | S |
| 114.100 | 0.0000 | 0.0000 | 85.618 | 0.09552 | 0.00000 | 316523.1 | 195642.8 | 100632.1 | S |
| 114.108 | 0.0000 | 0.0000 | 85.618 | 0.09551 | 0.00000 | 316523.7 | 195645.7 | 100632.1 | S |
| 114.117 | 0.0000 | 0.0000 | 85.618 | 0.09550 | 0.00000 | 316523.1 | 195648.5 | 100632.1 | S |
| 114.125 | 0.0000 | 0.0000 | 85.617 | 0.09549 | 0.00000 | 316523.1 | 195651.4 | 100632.1 | S |
| 114.133 | 0.0000 | 0.0000 | 85.617 | 0.09548 | 0.00000 | 316523.1 | 195654.3 | 100632.1 | S |
| 114.142 | 0.0000 | 0.0000 | 85.617 | 0.09547 | 0.00000 | 316523.1 | 195657.1 | 100632.1 | S |
| 114.150 | 0.0000 | 0.0000 | 85.617 | 0.09546 | 0.00000 | 316523.1 | 195660.0 | 100632.1 | S |
| 114.158 | 0.0000 | 0.0000 | 85.617 | 0.09545 | 0.00000 | 316523.1 | 195662.9 | 100632.1 | S |
| 114.167 | 0.0000 | 0.0000 | 85.617 | 0.09544 | 0.00000 | 316523.1 | 195665.7 | 100632.1 | S |
| 114.175 | 0.0000 | 0.0000 | 85.616 | 0.09543 | 0.00000 | 316523.1 | 195668.6 | 100632.1 | S |
| 114.183 | 0.0000 | 0.0000 | 85.616 | 0.09542 | 0.00000 | 316523.1 | 195671.5 | 100632.1 | S |
| 114.192 | 0.0000 | 0.0000 | 85.616 | 0.09541 | 0.00000 | 316523.1 | 195674.3 | 100632.1 | S |
| 114.200 | 0.0000 | 0.0000 | 85.616 | 0.09540 | 0.00000 | 316523.1 | 195677.2 | 100632.1 | S |
| 114.208 | 0.0000 | 0.0000 | 85.616 | 0.09539 | 0.00000 | 316523.1 | 195680.0 | 100632.1 | S |
| 114.217 | 0.0000 | 0.0000 | 85.615 | 0.09538 | 0.00000 | 316523.1 | 195682.9 | 100632.1 | S |
| 114.225 | 0.0000 | 0.0000 | 85.615 | 0.09537 | 0.00000 | 316523.1 | 195685.8 | 100632.1 | S |
| 114.233 | 0.0000 | 0.0000 | 85.615 | 0.09536 | 0.00000 | 316523.1 | 195688.6 | 100632.1 | S |
| 114.242 | 0.0000 | 0.0000 | 85.615 | 0.09535 | 0.00000 | 316523.1 | 195691.5 | 100632.1 | S |
| 114.250 | 0.0000 | 0.0000 | 85.615 | 0.09534 | 0.00000 | 316523.1 | 195694.3 | 100632.1 | S |
| 114.258 | 0.0000 | 0.0000 | 85.614 | 0.09533 | 0.00000 | 316523.1 | 195697.2 | 100632.1 | S |
| 114.267 | 0.0000 | 0.0000 | 85.614 | 0.09532 | 0.00000 | 316523.1 | 195700.1 | 100632.1 | S |
| 114.275 | 0.0000 | 0.0000 | 85.614 | 0.09531 | 0.00000 | 316523.1 | 195702.9 | 100632.1 | S |
| 114.283 | 0.0000 | 0.0000 | 85.614 | 0.09530 | 0.00000 | 316523.1 | 195705.8 | 100632.1 | S |
| 114.292 | 0.0000 | 0.0000 | 85.614 | 0.09529 | 0.00000 | 316523.1 | 195708.6 | 100632.1 | S |
| 114.300 | 0.0000 | 0.0000 | 85.614 | 0.09528 | 0.00000 | 316523.1 | 195711.5 | 100632.1 | S |
| 114.308 | 0.0000 | 0.0000 | 85.613 | 0.09527 | 0.00000 | 316523.1 | 195714.4 | 100632.1 | S |
| \$14.317 | 0.0000 | 0.0000 | 85.613 | 0.09526 | 0.00000 | 316523.1 | 195717.2 | 100632.1 | S |
| 114.325 | 0.0000 | 0.0000 | 85.613 | 0.09525 | 0.00000 | 316523.1 | 195720.1 | 100632.1 | S |
| 114.333 | 0.0000 | 0.0000 | 85.613 | 0.09524 | 0.00000 | 316523.1 | 195722.9 | 100632.1 | S |
| 114.342 | 0.0000 | 0.0000 | 85.613 | 0.09523 | 0.00000 | 316523.1 | 195725.8 | 100632.1 | S |
| 114.350 | 0.0000 | 0.0000 | 85.612 | 0.09522 | 0.00000 | 316523.1 | 195728.6 | 100632.1 | S |
| 114.358 | 0.0000 | 0.0000 | 85.612 | 0.09521 | 0.00000 | 316523.1 | 195731.5 | 100632.1 | S |
| 114.367 | 0.0000 | 0.0000 | 85.612 | 0.09520 | 0.00000 | 316523.1 | 195734.4 | 100632.1 | S |
| 114.375 | 0.0000 | 0.0000 | 85.612 | 0.09519 | 0.00000 | 316523.1 | 195737.2 | 100632.1 | S |
| 114.383 | 0.0000 | 0.0000 | 85.612 | 0.09518 | 0.00000 | 316523.1 | 195740.1 | 100632.1 | S |
| 114.392 | 0.0000 | 0.0000 | 85.611 | 0.09517 | 0.00000 | 316523.1 | 195742.9 | 100632.1 | S |
| 114.400 | 0.0000 | 0.0000 | 85.611 | 0.09516 | 0.00000 | 316523.1 | 195745.8 | 100632.1 | S |
| 114.408 | 0.0000 | 0.0000 | 85.611 | 0.09515 | 0.00000 | 316523.1 | 195748.6 | 100632.1 | S |
| \$14.417 | 0.0000 | 0.0000 | 85.611 | 0.09514 | 0.00000 | 316523.1 | 195751.5 | 100632.1 | S |
| 114.425 | 0.0000 | 0.0000 | 85.611 | 0.09513 | 0.00000 | 316523.1 | 195754.3 | 100632.1 | S |
| 114.433 | 0.0000 | 0.0000 | 85.611 | 0.09512 | 0.00000 | 316523.1 | 195757.2 | 100632.1 | S |
| 114.442 | 0.0000 | 0.0000 | 85.610 | 0.09517 | 0.00000 | 316523.1 | 195760.0 | 100632.1 | S |
| 114.450 | 0.0000 | 0.0000 | 85.610 | 0.09510 | 0.00000 | 316523.1 | 195762.9 | 100632.1 | S |
| 114.458 | 0.0000 | 0.0000 | 85.610 | 0.09509 | 0.00000 | 316523.1 | 195765.8 | 100632.1 | S |
| 114.467 | 0.0000 | 0.0000 | 85.610 | 0.09508 | 0.00000 | 316523.1 | 195768.6 | 100632.1 | S |
| 114.475 | 0.0000 | 0.0000 | 85.610 | 0.09507 | 0.00000 | 316523.1 | 195771.5 | 100632.1 | S |
| 114.483 | 0.0000 | 0.0000 | 85.609 | 0.09506 | 0.00000 | 316523.1 | 195774.3 | 100632.1 | S |
| 114.492 | 0.0000 | 0.0000 | 85.609 | 0.09505 | 0.00000 | 316523.1 | 195777.2 | 100632.1 | S |
| 114.500 | 0.0000 | 0.0000 | 85.609 | 0.09504 | 0.00000 | 316523.1 | 195780.0 | 100632.1 | S |
| 114.508 | 0.0000 | 0.0000 | 85.609 | 0.09503 | 0.00000 | 316523.1 | 195782.9 | 100632.1 | S |
| 114.517 | 0.0000 | 0.0000 | 85.609 | 0.09502 | 0.00000 | 316523.1 | 195785.7 | 100632.1 | S |
| 114.525 | 0.0000 | 0.0000 | 85.608 | 0.09501 | 0.00000 | 316523.1 | 195788.6 | 100632.1 | S |
| 114.533 | 0.0000 | 0.0000 | 85.608 | 0.09500 | 0.00000 | 316523.1 | 195791.4 | 100632.1 | S |
| 114.542 | 0.0000 | 0.0000 | 85.608 | 0.09499 | 0.00000 | 316523.1 | 195794.3 | 100632.1 | S |
| 114.550 | 0.0000 | 0.0000 | 85.608 | 0.09498 | 0.00000 | 316523.1 | 195797.1 | 100632.1 | S |
| 114.558 | 0.0000 | 0.0000 | 85,608 | 0.09497 | 0.00000 | 316523.1 | 195800.0 | 100632.1 | S |
| 114.567 | 0.0000 | 0.0000 | 85.608 | 0.09496 | 0.00000 | 316523.1 | 195802.8 | 100632.1 | S |
| 114.575 | 0.0000 | 0.0000 | 85.607 | 0.09496 | 0.00000 | 316523.1 | 195805.7 | 100632.1 | S |
| 114.583 | 0.0000 | 0.0000 | 85.607 | 0.09485 | 0.00000 | 316523.1 | 195808.5 | 100632.1 | S |
| 114.592 | 0.0000 | 0.0000 | 85.607 | 0.09494 | 0.00000 | 316523.1 | 195811.4 | 100632.1 | S |
| 114.600 | 0.0000 | 0.0000 | 85.607 | 0.09493 | 0.00000 | 316523.1 | 195814.2 | 100632.4 | S |
| 114.608 | 0.0000 | 0.0000 | 85.607 | 0.09492 | 0.00000 | 316523.1 | 195817.0 | 100632.1 | S |
| 114.617 | 0.0000 | 0.0000 | 85.606 | 0.09491 | 0.00000 | 316523.1 | 195819.9 | 100632.1 | S |
| 114.625 | 0.0000 | 0.0000 | 85.606 | 0.09490 | 0.00000 | 316523.1 | 195822.8 | 100632.1 | S |
| 114.633 | 0.0000 | 0.0000 | 85.606 | 0.09489 | 0.00000 | 316523.1 | 195825.6 | 100632.1 | S |
| 114.642 | 0.0000 | 0.0000 | 85.606 | 0.09488 | 0.00000 | 316523.1 | 195828.4 | 100632.1 | S |
| 114.650 | 0.0000 | 0.0000 | 85.606 | 0.09487 | 0.00000 | 316523.1 | 195831.3 | 100632.1 | S |
| 114.658 | 0.0000 | 0.0000 | 85.606 | 0.09486 | 0.00000 | 316523.1 | 195834.1 | 100632.1 | S |
| 114.667 | 0.0000 | 0.0000 | 85.605 | 0.09485 | 0.00000 | 316523.1 | 195837.0 | 100632.1 | S |
| 114.675 | 0.0000 | 0.0000 | 85.605 | 0.09484 | 0.00000 | 316523.1 | 195839.8 | 100632.1 | S |
| 114.683 | 0.0000 | 0.0000 | 85.605 | 0.09483 | 0.00000 | 316523.1 | 195842.7 | 100632.1 | S |
| 114.692 | 0.0000 | 0.0000 | 85.605 | 0.09482 | 0.00000 | 316523.1 | 195845.5 | 100632.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr $/ 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{3} / \mathrm{s}$ ) | Outside Recharge (fi/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{H}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 114.700 | 0.0000 | 0.0000 | 85.605 | 0.09481 | 0.00000 | 316523.1 | 195848.4 | 100632.1 | S |
| 114.708 | 0.0000 | 0.0000 | 85.604 | 0.09480 | 0.00000 | 316523.1 | 195851.2 | 100632.1 | S |
| 114.717 | 0.0000 | 0.0000 | 85.604 | 0.09479 | 0.00000 | 316523.1 | 195854.0 | 100632.1 | S |
| 114.725 | 0.0000 | 0.0000 | 85.604 | 0.09478 | 0.00000 | 316523.1 | 195856.9 | 100632.1 | S |
| 114.733 | 0.0000 | 0.0000 | 85.604 | 0.09477 | 0.00000 | 316523.1 | 195859.7 | 100632.1 | S |
| 114.742 | 0.0000 | 0.0000 | 85.604 | 0.09476 | 0.00000 | 316523.1 | 195862.6 | 100632.1 | S |
| 114.750 | 0.0000 | 0.0000 | 85.603 | 0.09475 | 0.00000 | 316523.1 | 195865.4 | 100632.1 | S |
| 114.758 | 0.0000 | 0.0000 | 85.603 | 0.09474 | 0.00000 | 316523.1 | 195868.3 | 100632.1 | S |
| 114.767 | 0.0000 | 0.0000 | 85.603 | 0.09473 | 0.00000 | 316523.1 | 195871.1 | 100632.1 | S |
| 114.775 | 0.0000 | 0.0000 | 85.603 | 0.09472 | 0.00000 | 316523.1 | 195873.9 | 100632.1 | S |
| 114.783 | 0.0000 | 0.0000 | 85.603 | 0.09471 | 0.00000 | 316523.1 | 195876.8 | 100632.1 | S |
| 114.792 | 0.0000 | 0.0000 | 85.603 | 0.09470 | 0.00000 | 316523.1 | 195879.6 | 100632.1 | S |
| 114.800 | 0.0000 | 0.0000 | 85.602 | 0.09469 | 0.00000 | 316523.1 | 195882.5 | 100632.1 | S |
| 114.808 | 0.0000 | 0.0000 | 85.602 | 0.09468 | 0.00000 | 316523.1 | 195885.3 | 100632.1 | S |
| 114.817 | 0.0000 | 0.0000 | 85.602 | 0.09467 | 0.00000 | 316523.1 | 195888.1 | 100632.1 | S |
| 114.825 | 0.0000 | 0.0000 | 85.602 | 0.09466 | 0.00000 | 316523.1 | 195891.0 | 100632.1 | S |
| 114.833 | 0.0000 | 0.0000 | 85.602 | 0.09465 | 0.00000 | 316523.1 | 195893.8 | 100632.1 | S |
| 114.842 | 0.0000 | 0.0000 | 85.601 | 0.09464 | 0.00000 | 316523.1 | 195896.7 | 100632.1 | S |
| 114.850 | 0.0000 | 0.0000 | 85.601 | 0.09463 | 0.00000 | 316523.1 | 195899.5 | 100632.1 | S |
| 114.858 | 0.0000 | 0.0000 | 85.601 | 0.09462 | 0.00000 | 316523.1 | 195902.3 | 100632.1 | S |
| 114.867 | 0.0000 | 0.0000 | 85.601 | 0.09461 | 0.00000 | 316523.1 | 195905.2 | 100632.1 | S |
| 114.875 | 0.0000 | 0.0000 | 85.601 | 0.09460 | 0.00000 | 316523.1 | 195908.0 | 100632.1 | S |
| 114.883 | 0.0000 | 0.0000 | 85.600 | 0.09459 | 0.00000 | 316523.1 | 195910.9 | 100632.1 | S |
| 114.892 | 0.0000 | 0.0000 | 85.600 | 0.09458 | 0.00000 | 316523.1 | 195913.7 | 100632.1 | S |
| 114.900 | 0.0000 | 0.0000 | 85.600 | 0.09457 | 0.00000 | 316523.1 | 195916.5 | 100632.1 | S |
| 114.908 | 0.0000 | 0.0000 | 85.600 | 0.09456 | 0.00000 | 316523.1 | 195919.4 | 100632.1 | S |
| 114.917 | 0.0000 | 0.0000 | 85.600 | 0.09455 | 0.00000 | 316523.1 | 195922.2 | 100632.1 | S |
| 114.925 | 0.0000 | 0.0000 | 85.600 | 0.09454 | 0.00000 | 316523.1 | 195925.0 | 100632.1 | S |
| 114.933 | 0.0000 | 0.0000 | 85.599 | 0.09453 | 0.00000 | 316523.1 | 195927.9 | 100632.1 | S |
| 114.942 | 0.0000 | 0.0000 | 85.599 | 0.09452 | 0.00000 | 316523.1 | 195930.7 | 100632.1 | S |
| 114.950 | 0.0000 | 0.0000 | 85.599 | 0.09451 | 0.00000 | 316523.1 | 195933.5 | 100632.1 | S |
| 114.958 | 0.0000 | 0.0000 | 85.599 | 0.09450 | 0.00000 | 316523.1 | 195936.4 | 100632.1 | S |
| 114.967 | 0.0000 | 0.0000 | 85.599 | 0.09449 | 0.00000 | 316523.1 | 195939.2 | 100632.1 | S |
| 114.975 | 0.0000 | 0.0000 | 85.598 | 0.09448 | 0.00000 | 316523.1 | 195942.1 | 100632.1 | S |
| 114.983 | 0.0000 | 0.0000 | 85.598 | 0.09447 | 0.00000 | 316523.1 | 195944.9 | 100632.1 | S |
| 114.992 | 0.0000 | 0.0000 | 85.598 | 0.09446 | 0.00000 | 316523.1 | 195947.7 | 100632.1 | S |
| 115.000 | 0.0000 | 0.0000 | 85.598 | 0.09445 | 0.00000 | 316523.1 | 195950.6 | 100632.1 | S |
| 115.008 | 0.0000 | 0.0000 | 85.598 | 0.09444 | 0.00000 | 316523.1 | 195953.4 | 100632.1 | S |
| 115.017 | 0.0000 | 0.0000 | 85.597 | 0.09443 | 0.00000 | 316523.1 | 195956.2 | 100632.1 | S |
| 115.025 | 0.0000 | 0.0000 | 85.597 | 0.09442 | 0.00000 | 316523.1 | 195959.1 | 100632.1 | S |
| 115.033 | 0.0000 | 0.0000 | 85.597 | 0.09441 | 0.00000 | 316523.1 | 195961.9 | 100632.1 | S |
| 115.042 | 0.0000 | 0.0000 | 85.597 | 0.09440 | 0.00000 | 316523.1 | 195964.7 | 100632.1 | S |
| 115.050 | 0.0000 | 0.0000 | 85.597 | 0.09439 | 0.00000 | 316523.1 | 195967.5 | 100632.1 | S |
| 115.058 | 0.0000 | 0.0000 | 85.597 | 0.09438 | 0.00000 | 316523.1 | 195970.4 | 100632.1 | S |
| 115.067 | 0.0000 | 0.0000 | 85.596 | 0.09437 | 0.00000 | 316523.1 | 195973.2 | 100632.1 | S |
| 115.075 | 0.0000 | 0.0000 | 85.596 | 0.09436 | 0.00000 | 316523.1 | 195976.0 | 100632.1 | S |
| 115.083 | 0.0000 | 0.0000 | 85.596 | 0.09435 | 0.00000 | 316523.1 | 195978.9 | 100632.1 | S |
| 115.092 | 0.0000 | 0.0000 | 85.596 | 0.09434 | 0.00000 | 316523.1 | 195981.7 | 100632.1 | S |
| 115.100 | 0.0000 | 0.0000 | 85.596 | 0.09433 | 0.00000 | 316523.1 | 195984.5 | 100632.1 | S |
| 115.108 | 0.0000 | 0.0000 | 85.595 | 0.09432 | 0.00000 | 316523.1 | 195987.4 | 100632.1 | S |
| 115.117 | 0.0000 | 0.0000 | 85.595 | 0.09431 | 0.00000 | 316523.1 | 195990.2 | 100632.1 | S |
| 115.125 | 0.0000 | 0.0000 | 85.595 | 0.09430 | 0.00000 | 316523.1 | 195993.0 | 100632.1 | S |
| 115.133 | 0.0000 | 0.0000 | 85.595 | 0.09430 | 0.00000 | 316523.1 | 195995.9 | 100632.1 | S |
| 115.142 | 0.0000 | 0.0000 | 85.595 | 0.09429 | 0.00000 | 316523.1 | 195998.7 | 100632.1 | S |
| 115.150 | 0.0000 | 0.0000 | 85.594 | 0.09428 | 0.00000 | 316523.1 | 196001.5 | 100632.1 | S |
| 115.158 | 0.0000 | 0.0000 | 85.594 | 0.09427 | 0.00000 | 316523.1 | 196004.3 | 100632.1 | S |
| 115.167 | 0.0000 | 0.0000 | 85.594 | 0.09426 | 0.00000 | 316523.1 | 196007.2 | 100632.1 | S |
| 115.175 | 0.0000 | 0.0000 | 85.594 | 0.09425 | 0.00000 | 316523.1 | 196010.0 | 100632.1 | S |
| 115.183 | 0.0000 | 0.0000 | 85.594 | 0.09424 | 0.00000 | 316523.1 | 196012.8 | 100632.1 | S |
| 115.192 | 0.0000 | 0.0000 | 85.594 | 0.09423 | 0.00000 | 316523.1 | 196015.7 | 100632.1 | S |
| 115.200 | 0.0000 | 0.0000 | 85.593 | 0.09422 | 0.00000 | 316523.1 | 196018.5 | 100632.1 | S |
| 115.208 | 0.0000 | 0.0000 | 85.593 | 0.09421 | 0.00000 | 316523.1 | 196021.3 | 100632.1 | S |
| 115.217 | 0.0000 | 0.0000 | 85.593 | 0.09420 | 0.00000 | 316523.1 | 196024.1 | 100632.1 | S |
| 115.225 | 0.0000 | 0.0000 | 85.593 | 0.09419 | 0.00000 | 316523.1 | 196027.0 | 100632.1 | S |
| 115.233 | 0.0000 | 0.0000 | 85.593 | 0.09418 | 0.00000 | 316523.1 | 196029.8 | 100632.1 | S |
| 115.242 | 0.0000 | 0.0000 | 85.592 | 0.09417 | 0.00000 | 316523.1 | 196032.6 | 100632.1 | S |
| 115.250 | 0.0000 | 0.0000 | 85.592 | 0.09416 | 0.00000 | 316523.1 | 196035.4 | 100632.1 | S |
| 115.258 | 0.0000 | 0.0000 | 85.592 | 0.09415 | 0.00000 | 316523.1 | 196038.3 | 100632.1 | S |
| 115.267 | 0.0000 | 0.0000 | 85.592 | 0.09414 | 0.00000 | 316523.1 | 196041.1 | 100632.1 | S |
| 115.275 | 0.0000 | 0.0000 | 85.592 | 0.09413 | 0.00000 | 316523.1 | 196043.9 | 100632.1 | S |
| 115.283 | 0.0000 | 0.0000 | 85.592 | 0.09412 | 0.00000 | 316523.1 | 196046.7 | 100632.1 | S |
| 115.292 | 0.0000 | 0.0000 | 85.591 | 0.09411 | 0.00000 | 316523.1 | 196049.5 | 100632.1 | S |
| 115.300 | 0.0000 | 0.0000 | 85.591 | 0.09410 | 0.00000 | 316523.1 | 196052.4 | 100632.1 | S |
| 115.308 | 0.0000 | 0.0000 | 85.591 | 0.09409 | 0.00000 | 316523.1 | 196055.2 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate (ft ${ }^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f} \mathrm{t}^{3 / \mathrm{s} \text { ) }}$ | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumufative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 115.317 | 0.0000 | 0.0000 | 85.591 | 0.09408 | 0.00000 | 316523.1 | 196058.0 | 100632.1 | S |
| 115.325 | 0.0000 | 0.0000 | 85.591 | 0.09407 | 0.00000 | 316523.1 | 196060.8 | 100632.1 | S |
| 115.333 | 0.0000 | 0.0000 | 85.590 | 0.09406 | 0.00000 | 316523.7 | 196063.7 | 100632.1 | S |
| 115.342 | 0.0000 | 0.0000 | 85.590 | 0.09405 | 0.00000 | 316523.1 | 196066.5 | 100632.1 | S |
| 115.350 | 0.0000 | 0.0000 | 85.590 | 0.09404 | 0.00000 | 316523.1 | 196069.3 | 100632.1 | S |
| 115.358 | 0.0000 | 0.0000 | 85.590 | 0.09403 | 0.00000 | 316523.1 | 196072.1 | 100632.1 | S |
| 115.367 | 0.0000 | 0.0000 | 85.590 | 0.09402 | 0.00000 | 316523.1 | 196075.0 | 100632.1 | S |
| 115.375 | 0.0000 | 0.0000 | 85.589 | 0.09401 | 0.00000 | 316523.1 | 196077.8 | 100632.1 | S |
| 115.383 | 0.0000 | 0.0000 | 85.589 | 0.09400 | 0.00000 | 316523.1 | 196080.6 | 100632.1 | S |
| 115.392 | 0.0000 | 0.0000 | 85.589 | 0.09399 | 0.00000 | 316523.1 | 196083.4 | 100632.1 | S |
| 115.400 | 0.0000 | 0.0000 | 85.589 | 0.09398 | 0.00000 | 316523.1 | 196086.2 | 100632.1 | S |
| 115.408 | 0.0000 | 0.0000 | 85.589 | 0.09397 | 0.00000 | 316523.1 | 196089.0 | 100632.1 | S |
| 115.417 | 0.0000 | 0.0000 | 85.589 | 0.09396 | 0.00000 | 316523.1 | 196091.9 | 100632.1 | S |
| 115.425 | 0.0000 | 0.0000 | 85.588 | 0.09395 | 0.00000 | 316523.1 | 196094.7 | 100632.1 | S |
| 115.433 | 0.0000 | 0.0000 | 85.588 | 0.09394 | 0.00000 | 316523.1 | 196097.5 | 100632.1 | S |
| 115.442 | 0.0000 | 0.0000 | 85.588 | 0.09393 | 0.00000 | 316523.1 | 196100.3 | 100632.1 | S |
| 115.450 | 0.0000 | 0.0000 | 85.588 | 0.09392 | 0.00000 | 316523.1 | 196103.1 | 100632.1 | S |
| 115.458 | 0.0000 | 0.0000 | 85.588 | 0.09391 | 0.00000 | 316523.1 | 196106.0 | 100632.1 | S |
| 115.467 | 0.0000 | 0.0000 | 85.587 | 0.09390 | 0.00000 | 316523.1 | 196108.8 | 100632.1 | S |
| 115.475 | 0.0000 | 0.0000 | 85.587 | 0.09389 | 0.00000 | 316523.1 | 196111.6 | 100632.1 | S |
| 115.483 | 0.0000 | 0.0000 | 85.587 | 0.09388 | 0.00000 | 316523.1 | 196114.4 | 100632.1 | S |
| 115.492 | 0.0000 | 0.0000 | 85.587 | 0.09388 | 0.00000 | 316523.1 | 196117.2 | 100632.1 | S |
| 115.500 | 0.0000 | 0.0000 | 85.587 | 0.09387 | 0.00000 | 316523.1 | 196120.0 | 100632.1 | S |
| 115.508 | 0.0000 | 0.0000 | 85.587 | 0.09386 | 0.00000 | 316523.1 | 196122.9 | 100632.1 | S |
| $115.5 \frac{1}{7}$ | 0.0000 | 0.0000 | 85.586 | 0.09385 | 0.00000 | 316523.1 | 196125.7 | 100632.1 | S |
| 115.525 | 0.0000 | 0.0000 | 85.586 | 0.09384 | 0.00000 | 316523.1 | 196128.5 | 100632.1 | S |
| 115.533 | 0.0000 | 0.0000 | 85.586 | 0.09383 | 0.00000 | 316523.1 | 196131.3 | 100632.1 | S |
| 115.542 | 0.0000 | 0.0000 | 85.586 | 0.09382 | 0.00000 | 316523.1 | 196134.1 | 100632.1 | S |
| 115.550 | 0.0000 | 0.0000 | 85.586 | 0.09381 | 0.00000 | 316523.1 | 196136.9 | 100632.1 | S |
| 115.558 | 0.0000 | 0.0000 | 85.585 | 0.09380 | 0.00000 | 316523.1 | 196139.8 | 100632.1 | S |
| 115.567 | 0.0000 | 0.0000 | 85.585 | 0.09379 | 0.00000 | 316523.1 | 196142.6 | 100632.1 | S |
| 115.575 | 0.0000 | 0.0000 | 85.585 | 0.09378 | 0.00000 | 316523.1 | 196145.4 | 100632.1 | S |
| 115.583 | 0.0000 | 0.0000 | 85.585 | 0.09377 | 0.00000 | 316523.1 | 196148.2 | 100632.1 | S |
| 115.592 | 0.0000 | 0.0000 | 85.585 | 0.09376 | 0.00000 | 316523.1 | 196151.0 | 100632.1 | S |
| 115.600 | 0.0000 | 0.0000 | 85.584 | 0.09375 | 0.00000 | 316523.1 | 196153.8 | 100632.1 | S |
| 115.608 | 0.0000 | 0.0000 | 85.584 | 0.09374 | 0.00000 | 316523.1 | 196156.6 | 100632.1 | S |
| 115.617 | 0.0000 | 0.0000 | 85.584 | 0.09373 | 0.00000 | 316523.1 | 196159.4 | 100632.1 | S |
| 115.625 | 0.0000 | 0.0000 | 85.584 | 0.09372 | 0.00000 | 316523.1 | 196162.3 | 100632.1 | S |
| 115.633 | 0.0000 | 0.0000 | 85.584 | 0.09371 | 0.00000 | 316523.1 | 196165.1 | 100632.1 | S |
| 115.642 | 0.0000 | 0.0000 | 85.584 | 0.09370 | 0.00000 | 316523.1 | 196167.9 | 100632.1 | S |
| 115.650 | 0.0000 | 0.0000 | 85.583 | 0.09369 | 0.00000 | 316523.1 | 196170.7 | 100632.1 | S |
| 115.658 | 0.0000 | 0.0000 | 85.583 | 0.09368 | 0.00000 | 316523.1 | 196173.5 | 100632.1 | S |
| 115.667 | 0.0000 | 0.0000 | 85.583 | 0.09367 | 0.00000 | 316523.1 | 196176.3 | 100632.1 | S |
| 115.675 | 0.0000 | 0.0000 | 85.583 | 0.09366 | 0.00000 | 316523.1 | 196179.1 | 100632.1 | S |
| 115.683 | 0.0000 | 0.0000 | 85.583 | 0.09365 | 0.00000 | 316523.1 | 196181.9 | 100632.1 | S |
| 115.692 | 0.0000 | 0.0000 | 85.582 | 0.09364 | 0.00000 | 316523.1 | 196184.7 | 100632.1 | S |
| 115.700 | 0.0000 | 0.0000 | 85.582 | 0.09363 | 0.00000 | 316523.1 | 196187.5 | 100632.1 | S |
| 115.708 | 0.0000 | 0.0000 | 85.582 | 0.09362 | 0.00000 | 316523.1 | 196190.3 | 100632.1 | S |
| 115.717 | 0.0000 | 0.0000 | 85.582 | 0.09361 | 0.00000 | 316523.1 | 196193.2 | 100632.1 | S |
| 115.725 | 0.0000 | 0.0000 | 85.582 | 0.09360 | 0.00000 | 316523.1 | 196196.0 | 100632.1 | S |
| 115.733 | 0.0000 | 0.0000 | 85.581 | 0.09359 | 0.00000 | 316523.1 | 196198.8 | 100632.1 | S |
| 115.742 | 0.0000 | 0.0000 | 85.581 | 0.09358 | 0.00000 | 316523.1 | 196201.6 | 100632.1 | S |
| 115.750 | 0.0000 | 0.0000 | 85.581 | 0.09357 | 0.00000 | 316523.1 | 196204.4 | 100632.1 | S |
| 115.758 | 0.0000 | 0.0000 | 85.581 | 0.09356 | 0.00000 | 316523.1 | 196207.2 | 100632.1 | S |
| 115.767 | 0.0000 | 0.0000 | 85.581 | 0.09355 | 0.00000 | 316523.1 | 196210.0 | 100632.1 | S |
| 115.775 | 0.0000 | 0.0000 | 85.581 | 0.09354 | 0.00000 | 316523.1 | 196212.8 | 100632.1 | S |
| 115.783 | 0.0000 | 0.0000 | 85.580 | 0.09354 | 0.00000 | 316523.1 | 196215.6 | 100632.1 | S |
| 115.792 | 0.0000 | 0.0000 | 85.580 | 0.09353 | 0.00000 | 316523.1 | 196218.4 | 100632.1 | S |
| 115.800 | 0.0000 | 0.0000 | 85.580 | 0.09352 | 0.00000 | 316523.1 | 196221.2 | 100632.1 | S |
| 115.808 | 0.0000 | 0.0000 | 85.580 | 0.09351 | 0.00000 | 316523.1 | 196224.0 | 100632.1 | S |
| 115.817 | 0.0000 | 0.0000 | 85.580 | 0.09350 | 0.00000 | 316523.1 | 196226.8 | 100632.1 | S |
| 115.825 | 0.0000 | 0.0000 | 85.579 | 0.09349 | 0.00000 | 316523.1 | 196229.6 | 100632.1 | S |
| 115.833 | 0.0000 | 0.0000 | 85.579 | 0.09348 | 0.00000 | 316523.1 | 196232.5 | 100632.1 | S |
| 115.842 | 0.0000 | 0.0000 | 85.579 | 0.09347 | 0.00000 | 316523.1 | 196235.3 | 100632.1 | S |
| 115.850 | 0.0000 | 0.0000 | 85.579 | 0.09346 | 0.00000 | 316523.1 | 196238.1 | 100632.1 | S |
| 115.858 | 0.0000 | 0.0000 | 85.579 | 0.09345 | 0.00000 | 316523.1 | 196240.9 | 100632.1 | S |
| 115.867 | 0.0000 | 0.0000 | 85.579 | 0.09344 | 0.00000 | 316523.1 | 196243.7 | 100632.1 | S |
| 115.875 | 0.0000 | 0.0000 | 85.578 | 0.09343 | 0.00000 | 316523.1 | 196246.5 | 100632.1 | S |
| 115.883 | 0.0000 | 0.0000 | 85.578 | 0.09342 | 0.00000 | 316523.1 | 196249.3 | 100632.1 | S |
| 115.892 | 0.0000 | 0.0000 | 85.578 | 0.09341 | 0.00000 | 316523.1 | 196252.1 | 100632.1 | S |
| 115.900 | 0.0000 | 0.0000 | 85.578 | 0.09340 | 0.00000 | 316523.1 | 196254.9 | 100632.1 | S |
| 115.908 | 0.0000 | 0.0000 | 85.578 | 0.09339 | 0.00000 | 316523.1 | 196257.7 | 100632.1 | S |
| 115.917 | 0.0000 | 0.0000 | 85.577 | 0.09338 | 0.00000 | 316523.1 | 196260.5 | 100632.1 | S |
| 115.925 | 0.0000 | 0.0000 | 85.577 | 0.09337 | 0.00000 | 316523.1 | 196263.3 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (f/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{fl}^{3 / \mathrm{s}}$ ) | Overlow Discharge ( $\mathrm{ft}^{3 /} / \mathrm{s}$ ) | Cumulative Inflow Volume (ft ${ }^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume (ft ${ }^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 115.933 | 0.0000 | 0.0000 | 85.577 | 0.09336 | 0.00000 | 316523.1 | 196266.1 | 100632.1 | S |
| 115.942 | 0.0000 | 0.0000 | 85.577 | 0.09335 | 0.00000 | 316523.1 | 196268.9 | 100632.1 | S |
| 115.950 | 0.0000 | 0.0000 | 85.577 | 0.09334 | 0.00000 | 316523.1 | 196271.7 | 100632.1 | S |
| 115.958 | 0.0000 | 0.0000 | 85.576 | 0.09333 | 0.00000 | 316523.1 | 196274.5 | 100632.1 | S |
| 115.967 | 0.0000 | 0.0000 | 85.576 | 0.09332 | 0.00000 | 316523.1 | 196277.3 | 100632.1 | S |
| 115.975 | 0.0000 | 0.0000 | 85.576 | 0.09331 | 0.00000 | 316523.1 | 196280.1 | 100632.1 | S |
| 115.983 | 0.0000 | 0.0000 | 85.576 | 0.09330 | 0.00000 | 316523.1 | 196282.9 | 100632.1 | S |
| 115.992 | 0.0000 | 0.0000 | 85.576 | 0.09329 | 0.00000 | 316523.1 | 196285.7 | 100632.1 | S |
| 116.000 | 0.0000 | 0.0000 | 85.576 | 0.09328 | 0.00000 | 316523.1 | 196288.5 | 100632.1 | S |
| 116.008 | 0.0000 | 0.0000 | 85.575 | 0.09327 | 0.00000 | 316523.1 | 196291.3 | 100632.1 | S |
| 116.017 | 0.0000 | 0.0000 | 85.575 | 0.09326 | 0.00000 | 316523.1 | 196294.1 | 100632.1 | S |
| 116.025 | 0.0000 | 0.0000 | 85.575 | 0.09326 | 0.00000 | 316523.1 | 196296.9 | 100632.1 | S |
| 116.033 | 0.0000 | 0.0000 | 85.575 | 0.09325 | 0.00000 | 316523.1 | 196299.7 | 100632.1 | S |
| 116.042 | 0.0000 | 0.0000 | 85.575 | 0.09324 | 0.00000 | 316523.1 | 196302.5 | 100632.1 | S |
| 116.050 | 0.0000 | 0.0000 | 85.574 | 0.09323 | 0.00000 | 316523.1 | 196305.3 | 100632.1 | S |
| 116.058 | 0.0000 | 0.0000 | 85.574 | 0.09322 | 0.00000 | 316523.1 | 196308.1 | 100632.1 | S |
| 116.067 | 0.0000 | 0.0000 | 85.574 | 0.09321 | 0.00000 | 316523.1 | 196310.9 | 100632.1 | S |
| 116.075 | 0.0000 | 0.0000 | 85.574 | 0.09320 | 0.00000 | 316523.1 | 196313.7 | 100632.1 | S |
| 116.083 | 0.0000 | 0.0000 | 85.574 | 0.09319 | 0.00000 | 316523.1 | 196316.5 | 100632.1 | S |
| 116.092 | 0.0000 | 0.0000 | 85.574 | 0.09318 | 0.00000 | 316523.1 | 196319.3 | 100632.1 | S |
| 116.100 | 0.0000 | 0.0000 | 85.573 | 0.09317 | 0.00000 | 316523.1 | 196322.0 | 100632.1 | S |
| 116.108 | 0.0000 | 0.0000 | 85.573 | 0.09316 | 0.00000 | 316523.1 | 196324.8 | 100632.1 | S |
| 116.117 | 0.0000 | 0.0000 | 85.573 | 0.09315 | 0.00000 | 316523.1 | 196327.6 | 100632.1 | S |
| 116.125 | 0.0000 | 0.0000 | 85.573 | 0.09314 | 0.00000 | 316523.1 | 196330.4 | 100632.1 | S |
| 116.133 | 0.0000 | 0.0000 | 85.573 | 0.09313 | 0.00000 | 316523.1 | 196333.2 | 100632.1 | S |
| 116.142 | 0.0000 | 0.0000 | 85.572 | 0.09312 | 0.00000 | 316523.1 | 196336.0 | 100632.1 | S |
| 116.150 | 0.0000 | 0.0000 | 85.572 | 0.09311 | 0.00000 | 316523.1 | 196338.8 | 100632.1 | S |
| 116.158 | 0.0000 | 0.0000 | 85.572 | 0.09310 | 0.00000 | 316523.1 | 196341.6 | 100632.1 | S |
| 116.167 | 0.0000 | 0.0000 | 85.572 | 0.09309 | 0.00000 | 316523.1 | 196344.4 | 100632.1 | S |
| 116.175 | 0.0000 | 0.0000 | 85.572 | 0.09308 | 0.00000 | 316523.1 | 196347.2 | 100632.1 | S |
| 116.183 | 0.0000 | 0.0000 | 85.572 | 0.09307 | 0.00000 | 316523.1 | 196350.0 | 100632.1 | S |
| 116.192 | 0.0000 | 0.0000 | 85.571 | 0.09306 | 0.00000 | 316523.1 | 196352.8 | 100632.1 | S |
| 116.200 | 0.0000 | 0.0000 | 85.571 | 0.09305 | 0.00000 | 316523.1 | 196355.6 | 100632.1 | S |
| 116.208 | 0.0000 | 0.0000 | 85.571 | 0.09304 | 0.00000 | 316523.1 | 196358.3 | 100632.1 | S |
| 116.217 | 0.0000 | 0.0000 | 85.571 | 0.09303 | 0.00000 | 316523.1 | 196361.1 | 100632.1 | S |
| 116.225 | 0.0000 | 0.0000 | 85.571 | 0.09302 | 0.00000 | 316523.1 | 196363.9 | 100632.1 | S |
| 116.233 | 0.0000 | 0.0000 | 85.570 | 0.09301 | 0.00000 | 316523.1 | 196366.7 | 100632.1 | S |
| 116.242 | 0.0000 | 0.0000 | 85.570 | 0.09300 | 0.00000 | 316523.1 | 196369.5 | 100632.1 | S |
| 116.250 | 0.0000 | 0.0000 | 85.570 | 0.09300 | 0.00000 | 316523.1 | 196372.3 | 100632.1 | S |
| 116.258 | 0.0000 | 0.0000 | 85.570 | 0.09299 | 0.00000 | 316523.1 | 196375.1 | 100632.1 | S |
| 116.267 | 0.0000 | 0.0000 | 85.570 | 0.09298 | 0.00000 | 316523.1 | 196377.9 | 100632.1 | S |
| 116.275 | 0.0000 | 0.0000 | 85.569 | 0.09297 | 0.00000 | 316523.1 | 196380.7 | 100632.1 | S |
| 116.283 | 0.0000 | 0.0000 | 85.569 | 0.09296 | 0.00000 | 316523.1 | 196383.5 | 100632.1 | S |
| 116.292 | 0.0000 | 0.0000 | 85.569 | 0.09295 | 0.00000 | 316523.1 | 196386.3 | 100632.1 | S |
| 116.300 | 0.0000 | 0.0000 | 85.569 | 0.09294 | 0.00000 | 316523.1 | 196389.0 | 100632.1 | S |
| \$16.308 | 0.0000 | 0.0000 | 85.569 | 0.09293 | 0.00000 | 316523.1 | 196391.8 | 100632.1 | S |
| 116.317 | 0.0000 | 0.0000 | 85.569 | 0.09292 | 0.00000 | 316523.1 | 196394.6 | 100632.1 | S |
| 116.325 | 0.0000 | 0.0000 | 85.568 | 0.09291 | 0.00000 | 316523.1 | 196397.4 | 100632.1 | S |
| 116.333 | 0.0000 | 0.0000 | 85.568 | 0.09290 | 0.00000 | 316523.1 | 196400.2 | 100632.1 | S |
| 116.342 | 0.0000 | 0.0000 | 85.568 | 0.09289 | 0.00000 | 316523.1 | 196403.0 | 100632.1 | S |
| 116.350 | 0.0000 | 0.0000 | 85.568 | 0.09288 | 0.00000 | 316523.1 | 196405.8 | 100632.1 | S |
| 116.358 | 0.0000 | 0.0000 | 85.568 | 0.09287 | 0.00000 | 316523.1 | 196408.5 | 100632.1 | S |
| 116.367 | 0.0000 | 0.0000 | 85.567 | 0.09286 | 0.00000 | 316523.1 | 196411.3 | 100632.1 | S |
| 116.375 | 0.0000 | 0.0000 | 85.567 | 0.09285 | 0.00000 | 316523.1 | 196414.1 | 100632.1 | S |
| 116.383 | 0.0000 | 0.0000 | 85.567 | 0.09284 | 0.00000 | 316523.1 | 196416.9 | 100632.1 | S |
| 116.392 | 0.0000 | 0.0000 | 85.567 | 0.09283 | 0.00000 | 316523.1 | 196419.7 | 100632.1 | S |
| 116.400 | 0.0000 | 0.0000 | 85.567 | 0.09282 | 0.00000 | 316523.1 | 196422.5 | 100632.1 | S |
| 116.408 | 0.0000 | 0.0000 | 85.567 | 0.09281 | 0.00000 | 316523.1 | 196425.3 | 100632.1 | S |
| 116.417 | 0.0000 | 0.0000 | 85.566 | 0.09280 | 0.00000 | 316523.1 | 196428.0 | 100632.1 | S |
| 116.425 | 0.0000 | 0.0000 | 85.566 | 0.09279 | 0.00000 | 316523.1 | 196430.8 | 100632.1 | S |
| 116.433 | 0.0000 | 0.0000 | 85.566 | 0.09278 | 0.00000 | 316523.1 | 196433.6 | 100632.1 | S |
| 116.442 | 0.0000 | 0.0000 | 85.566 | 0.09277 | 0.00000 | 316523.1 | 196436.4 | 100632.1 | S |
| 116.450 | 0.0000 | 0.0000 | 85.566 | 0.09277 | 0.00000 | 316523.1 | 196439.2 | 100632.1 | S |
| 116.458 | 0.0000 | 0.0000 | 85.565 | 0.09276 | 0.00000 | 316523.1 | 196442.0 | 100632.1 | S |
| 116.467 | 0.0000 | 0.0000 | 85.565 | 0.09275 | 0.00000 | 316523.1 | 196444.7 | 100632.1 | S |
| 116.475 | 0.0000 | 0.0000 | 85.565 | 0.09274 | 0.00000 | 316523.1 | 196447.5 | 100632.1 | S |
| 116.483 | 0.0000 | 0.0000 | 85.565 | 0.09273 | 0.00000 | 316523.1 | 196450.3 | 100632.1 | S |
| 116.492 | 0.0000 | 0.0000 | 85.565 | 0.09272 | 0.00000 | 316523.1 | 196453.1 | 100632.1 | S |
| 116.500 | 0.0000 | 0.0000 | 85.565 | 0.09271 | 0.00000 | 316523.1 | 198455.9 | 100632.1 | S |
| 116.508 | 0.0000 | 0.0000 | 85.564 | 0.09270 | 0.00000 | 316523.1 | 196458.7 | 100632.1 | S |
| 116.517 | 0.0000 | 0.0000 | 85.564 | 0.09269 | 0.00000 | 316523.1 | 196461.4 | 100632.1 | S |
| 116.525 | 0.0000 | 0.0000 | 85.564 | 0.09268 | 0.00000 | 316523.1 | 196464.2 | 100632.1 | S |
| 116.533 | 0.0000 | 0.0000 | 85.564 | 0.09267 | 0.00000 | 316523.1 | 196467.0 | 100632.1 | S |
| 116.542 | 0.0000 | 0.0000 | 85.564 | 0.09266 | 0.00000 | 316523.1 | 196469.8 | 100632.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation ( f datum) | infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume $\left\langle\mathrm{ft}^{3}\right.$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 116.550 | 0.0000 | 0.0000 | 85.563 | 0.09265 | 0.00000 | 316523.1 | 196472.5 | 100632.1 | S |
| 116.558 | 0.0000 | 0.0000 | 85.563 | 0.09264 | 0.00000 | 316523.1 | 196475.3 | 100632.1 | S |
| 116.567 | 0.0000 | 0.0000 | 85.563 | 0.09263 | 0.00000 | 316523.1 | 196478.1 | 100632.1 | S |
| 116.575 | 0.0000 | 0.0000 | 85.563 | 0.09262 | 0.00000 | 316523.1 | 196480.9 | 100632.1 | S |
| 116.583 | 0.0000 | 0.0000 | 85.563 | 0.09261 | 0.00000 | 316523.1 | 196483.7 | 100632.1 | S |
| 116.592 | 0.0000 | 0.0000 | 85.562 | 0.09260 | 0.00000 | 316523.1 | 196486.4 | 100632.1 | S |
| 116.600 | 0.0000 | 0.0000 | 85.562 | 0.09259 | 0.00000 | 316523.1 | 196489.2 | 100632.1 | S |
| 116.608 | 0.0000 | 0.0000 | 85.562 | 0.09258 | 0.00000 | 316523.1 | 196492.0 | 100632.1 | S |
| 116.617 | 0.0000 | 0.0000 | 85.562 | 0.09257 | 0.00000 | 316523.1 | 196494.8 | 100632.1 | S |
| 116.625 | 0.0000 | 0.0000 | 85.562 | 0.09256 | 0.00000 | 316523.1 | 196497.5 | 100632.1 | S |
| 116.633 | 0.0000 | 0.0000 | 85.562 | 0.09255 | 0.00000 | 316523.1 | 196500.3 | 100632.1 | S |
| 116.642 | 0.0000 | 0.0000 | 85.561 | 0.09255 | 0.00000 | 316523.1 | 196503.1 | 100632.1 | S |
| 116.650 | 0.0000 | 0.0000 | 85.561 | 0.09254 | 0.00000 | 316523.1 | 196505.9 | 100632.1 | S |
| 116.658 | 0.0000 | 0.0000 | 85.561 | 0.09253 | 0.00000 | 316523.1 | 196508.7 | 100632.1 | S |
| 116.667 | 0.0000 | 0.0000 | 85.561 | 0.09252 | 0.00000 | 316523.1 | 196511.4 | 100632.1 | S |
| 116.675 | 0.0000 | 0.0000 | 85.561 | 0.09251 | 0.00000 | 316523.1 | 196514.2 | 100632.1 | S |
| 116.683 | 0.0000 | 0.0000 | 85.560 | 0.09250 | 0.00000 | 316523.1 | 196517.0 | 100632.1 | S |
| 116.692 | 0.0000 | 0.0000 | 85.560 | 0.09249 | 0.00000 | 316523.1 | 196519.8 | 100632.1 | S |
| 116.700 | 0.0000 | 0.0000 | 85.560 | 0.09248 | 0.00000 | 316523.1 | 196522.5 | 100632.1 | S |
| 116.708 | 0.0000 | 0.0000 | 85.560 | 0.09247 | 0.00000 | 316523.1 | 196525.3 | 100632.1 | S |
| 116.717 | 0.0000 | 0.0000 | 85.560 | 0.09246 | 0.00000 | 316523.1 | 196528.1 | 100632.1 | S |
| 116.725 | 0.0000 | 0.0000 | 85.560 | 0.09245 | 0.00000 | 316523.1 | 196530.9 | 100632.1 | S |
| 116.733 | 0.0000 | 0.0000 | 85.559 | 0.09244 | 0.00000 | 316523.1 | 196533.6 | 100632.1 | S |
| 116.742 | 0.0000 | 0.0000 | 85.559 | 0.09243 | 0.00000 | 316523.1 | 196536.4 | 100632.1 | S |
| 116.750 | 0.0000 | 0.0000 | 85.559 | 0.09242 | 0.00000 | 316523.1 | 196539.2 | 100632.1 | S |
| 116.758 | 0.0000 | 0.0000 | 85.559 | 0.09241 | 0.00000 | 316523.1 | 196542.0 | 100632.1 | S |
| 116.767 | 0.0000 | 0.0000 | 85.559 | 0.09240 | 0.00000 | 316523.1 | 196544.7 | 100632.1 | S |
| 116.775 | 0.0000 | 0.0000 | 85.558 | 0.09239 | 0.00000 | 316523.1 | 196547.5 | 100632.1 | S |
| 116.783 | 0.0000 | 0.0000 | 85.558 | 0.09238 | 0.00000 | 316523.1 | 196550.3 | 100632.1 | S |
| 116.792 | 0.0000 | 0.0000 | 85.558 | 0.09237 | 0.00000 | 316523.1 | 196553.0 | 100632.1 | S |
| 116.800 | 0.0000 | 0.0000 | 85.558 | 0.09236 | 0.00000 | 316523.1 | 196555.8 | 100632.1 | S |
| 116.808 | 0.0000 | 0.0000 | 85.558 | 0.09235 | 0.00000 | 316523.1 | 196558.6 | 100632.1 | S |
| 116.817 | 0.0000 | 0.0000 | 85.558 | 0.09235 | 0.00000 | 316523.1 | 196561.3 | 100632.1 | S |
| 116.825 | 0.0000 | 0.0000 | 85.557 | 0.09234 | 0.00000 | 316523.1 | 196564.1 | 100632.1 | S |
| 116.833 | 0.0000 | 0.0000 | 85.557 | 0.09233 | 0.00000 | 316523.1 | 196566.9 | 100632.1 | S |
| 116.842 | 0.0000 | 0.0000 | 85.557 | 0.09232 | 0.00000 | 316523.1 | 196569.7 | 100632.1 | S |
| 116.850 | 0.0000 | 0.0000 | 85.557 | 0.09231 | 0.00000 | 316523.1 | 196572.4 | 100632.1 | S |
| 116.858 | 0.0000 | 0.0000 | 85.557 | 0.09230 | 0.00000 | 316523.1 | 196575.2 | 100632.1 | S |
| 116.867 | 0.0000 | 0.0000 | 85.556 | 0.09229 | 0.00000 | 316523.1 | 196578.0 | 100632.1 | S |
| 116.875 | 0.0000 | 0.0000 | 85.556 | 0.09228 | 0.00000 | 316523.1 | 196580.7 | 100632.1 | S |
| 116.883 | 0.0000 | 0.0000 | 85.556 | 0.09227 | 0.00000 | 316523.1 | 196583.5 | 100632.1 | S |
| 116.892 | 0.0000 | 0.0000 | 85.556 | 0.09226 | 0.00000 | 316523.1 | 196586.3 | 100632.1 | S |
| 116.900 | 0.0000 | 0.0000 | 85.556 | 0.09225 | 0.00000 | 316523.1 | 196589.0 | 100632.1 | S |
| 116.908 | 0.0000 | 0.0000 | 85.555 | 0.09224 | 0.00000 | 316523.1 | 196591.8 | 100632.1 | S |
| 116.917 | 0.0000 | 0.0000 | 85.555 | 0.09223 | 0.00000 | 316523.1 | 196594.6 | 100632.1 | S |
| 116.925 | 0.0000 | 0.0000 | 85.555 | 0.09222 | 0.00000 | 316523.1 | 196597.3 | 100632.1 | S |
| 116.933 | 0.0000 | 0.0000 | 85.555 | 0.09221 | 0.00000 | 316523.1 | 196600.1 | 100632.1 | S |
| 116.942 | 0.0000 | 0.0000 | 85.555 | 0.09220 | 0.00000 | 316523.1 | 196602.9 | 100632.1 | S |
| 116.950 | 0.0000 | 0.0000 | 85.555 | 0.09219 | 0.00000 | 316523.1 | 196605.6 | 100632.1 | S |
| 116.958 | 0.0000 | 0.0000 | 85.554 | 0.09218 | 0.00000 | 316523.1 | 196608.4 | 100632.1 | S |
| 116.967 | 0.0000 | 0.0000 | 85.554 | 0.09217 | 0.00000 | 316523.1 | 196611.2 | 100632.1 | S |
| 116.975 | 0.0000 | 0.0000 | 85.554 | 0.09217 | 0.00000 | 316523.1 | 196613.9 | 100632.1 | S |
| 116.983 | 0.0000 | 0.0000 | 85.554 | 0.09216 | 0.00000 | 316523.1 | 196616.7 | 100632.1 | S |
| 116.992 | 0.0000 | 0.0000 | 85.554 | 0.09215 | 0.00000 | 316523.1 | 196619.5 | 100632.1 | S |
| 117.000 | 0.0000 | 0.0000 | 85.553 | 0.09214 | 0.00000 | 316523.1 | 196622.2 | 100632.1 | S |
| 117.008 | 0.0000 | 0.0000 | 85.553 | 0.09213 | 0.00000 | 316523.1 | 196625.0 | 100632.1 | S |
| 117.017 | 0.0000 | 0.0000 | 85.553 | 0.09212 | 0.00000 | 316523.1 | 196627.8 | 100632.1 | S |
| 117.025 | 0.0000 | 0.0000 | 85.553 | 0.09211 | 0.00000 | 316523.1 | 196630.5 | 100632.1 | S |
| 117.033 | 0.0000 | 0.0000 | 85.553 | 0.09210 | 0.00000 | 316523.1 | 196633.3 | 100632.1 | S |
| 117.042 | 0.0000 | 0.0000 | 85.553 | 0.09209 | 0.00000 | 316523.1 | 196636.0 | 100632.1 | S |
| 117.050 | 0.0000 | 0.0000 | 85.552 | 0.09208 | 0.00000 | 316523.1 | 196638.8 | 100632.1 | S |
| 117.058 | 0.0000 | 0.0000 | 85.552 | 0.09207 | 0.00000 | 316523.1 | 196641.6 | 100632.1 | S |
| 117.067 | 0.0000 | 0.0000 | 85.552 | 0.09206 | 0.00000 | 316523.1 | 196644.3 | 100632.1 | S |
| 117.075 | 0.0000 | 0.0000 | 85.552 | 0.09205 | 0.00000 | 316523.1 | 196647.1 | 100632.1 | S |
| 117.083 | 0.0000 | 0.0000 | 85.552 | 0.09204 | 0.00000 | 316523.1 | 196649.9 | 100632.1 | S |
| 117.092 | 0.0000 | 0.0000 | 85.551 | 0.09203 | 0.00000 | 316523.1 | 196652.6 | 100632.1 | S |
| 117.100 | 0.0000 | 0.0000 | 85.551 | 0.09202 | 0.00000 | 316523.1 | 196655.4 | 100632.1 | S |
| 117.108 | 0.0000 | 0.0000 | 85.551 | 0.09201 | 0.00000 | 316523.1 | 196658.1 | 100632.1 | S |
| 117.117 | 0.0000 | 0.0000 | 85.551 | 0.09200 | 0.00000 | 316523.1 | 196660.9 | 100632.1 | S |
| 117.125 | 0.0000 | 0.0000 | 85.551 | 0.09199 | 0.00000 | 316523.1 | 196663.7 | 100632.1 | S |
| 117.133 | 0.0000 | 0.0000 | 85.551 | 0.09199 | 0.00000 | 316523.1 | 196666.4 | 100632.1 | S |
| 117.142 | 0.0000 | 0.0000 | 85.550 | 0.09198 | 0.00000 | 316523.1 | 196669.2 | 100632.1 | S |
| 117.150 | 0.0000 | 0.0000 | 85.550 | 0.09197 | 0.00000 | 316523.1 | 196671.9 | 100632.1 | S |
| 117.158 | 0.0000 | 0.0000 | 85.550 | 0.09196 | 0.00000 | 316523.1 | 196674.7 | 100632.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 ::
pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (It/day) | Stage Elevation (f datum) | Infilitration Rate (f $\mathrm{f}^{3 / \mathrm{s}}$ ) | Overflow <br> Discharge <br> ( $\mathrm{H}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 117.167 | 0.0000 | 0.0000 | 85.550 | 0.09195 | 0.00000 | 316523.1 | 196677.5 | 100632.1 | S |
| 117.175 | 0.0000 | 0.0000 | 85.550 | 0.09194 | 0.00000 | 316523.1 | 196680.2 | 100632.1 | S |
| 117.183 | 0.0000 | 0.0000 | 85.549 | 0.09193 | 0.00000 | 316523.1 | 196683.0 | 100632.1 | S |
| 117.192 | 0.0000 | 0.0000 | 85.549 | 0.09192 | 0.00000 | 316523.1 | 196685.7 | 100632.1 | S |
| 117.200 | 0.0000 | 0.0000 | 85.549 | 0.09191 | 0.00000 | 316523.1 | 196688.5 | 100632.1 | S |
| 117.208 | 0.0000 | 0.0000 | 85.549 | 0.09190 | 0.00000 | 316523.1 | 196691.2 | 100632.1 | S |
| 117.217 | 0.0000 | 0.0000 | 85.549 | 0.09189 | 0.00000 | 316523.1 | 196694.0 | 100632.1 | S |
| 117.225 | 0.0000 | 0.0000 | 85.549 | 0.09188 | 0.00000 | 316523.1 | 196696.8 | 100632.1 | S |
| 117.233 | 0.0000 | 0.0000 | 85.548 | 0.09187 | 0.00000 | 316523.1 | 196699.5 | 100632.1 | S |
| 117.242 | 0.0000 | 0.0000 | 85.548 | 0.09186 | 0.00000 | 316523.1 | 196702.3 | 100632.1 | S |
| 117.250 | 0.0000 | 0.0000 | 85.548 | 0.09185 | 0.00000 | 316523.1 | 196705.0 | 100632.1 | S |
| 117.258 | 0.0000 | 0.0000 | 85.548 | 0.09184 | 0.00000 | 316523.1 | 196707.8 | 100632.1 | S |
| 117.267 | 0.0000 | 0.0000 | 85.548 | 0.09183 | 0.00000 | 316523.1 | 196710.5 | 100632.1 | 5 |
| 117.275 | 0.0000 | 0.0000 | 85.547 | 0.09182 | 0.00000 | 316523.1 | 196713.3 | 100632.1 | S |
| 117.283 | 0.0000 | 0.0000 | 85.547 | 0.09182 | 0.00000 | 316523.1 | 196716.0 | 100632.1 | S |
| 117.292 | 0.0000 | 0.0000 | 85.547 | 0.09181 | 0.00000 | 316523.1 | 196718.8 | 100632.1 | S |
| 117.300 | 0.0000 | 0.0000 | 85.547 | 0.09180 | 0.00000 | 316523.1 | 196721.5 | 100632.1 | S |
| 117.308 | 0.0000 | 0.0000 | 85.547 | 0.09179 | 0.00000 | 316523.1 | 196724.3 | 100632.1 | S |
| 117.317 | 0.0000 | 0.0000 | 85.547 | 0.09178 | 0.00000 | 316523.1 | 196727.1 | 100632.1 | S |
| 117.325 | 0.0000 | 0.0000 | 85.546 | 0.09177 | 0.00000 | 316523.1 | 196729.8 | 100632.1 | S |
| 117.333 | 0.0000 | 0.0000 | 85.546 | 0.09176 | 0.00000 | 316523.1 | 196732.6 | 100632.1 | S |
| 117.342 | 0.0000 | 0.0000 | 85.546 | 0.09175 | 0.00000 | 316523.1 | 196735.3 | 100632.1 | S |
| 117.350 | 0.0000 | 0.0000 | 85.546 | 0.09174 | 0.00000 | 316523.1 | 196738.1 | 100632.1 | S |
| 117.358 | 0.0000 | 0.0000 | 85.546 | 0.09173 | 0.00000 | 316523.1 | 196740.8 | 100632.1 | S |
| 117.367 | 0.0000 | 0.0000 | 85.545 | 0.09172 | 0.00000 | 316523.1 | 196743.6 | 100632.1 | S |
| 117.375 | 0.0000 | 0.0000 | 85.545 | 0.09171 | 0.00000 | 316523.1 | 196746.3 | 100632.1 | S |
| 117.383 | 0.0000 | 0.0000 | 85.545 | 0.09170 | 0.00000 | 316523.1 | 196749.1 | 100632.1 | S |
| 117.392 | 0.0000 | 0.0000 | 85.545 | 0.09169 | 0.00000 | 316523.1 | 196751.8 | 100632.1 | S |
| 117.400 | 0.0000 | 0.0000 | 85.545 | 0.09168 | 0.00000 | 316523.1 | 196754.6 | 100632.1 | S |
| 117.408 | 0.0000 | 0.0000 | 85.545 | 0.09167 | 0.00000 | 316523.1 | 196757.3 | 100632.1 | S |
| 117.417 | 0.0000 | 0.0000 | 85.544 | 0.09166 | 0.00000 | 316523.1 | 196760.1 | 100632.1 | S |
| 117.425 | 0.0000 | 0.0000 | 85.544 | 0.09166 | 0.00000 | 316523.1 | 196762.8 | 100632.1 | S |
| 117.433 | 0.0000 | 0.0000 | 85.544 | 0.09165 | 0.00000 | 316523.1 | 196765.6 | 100632.1 | S |
| 117.442 | 0.0000 | 0.0000 | 85.544 | 0.09164 | 0.00000 | 316523.1 | 196788.3 | 100632.1 | S |
| 117.450 | 0.0000 | 0.0000 | 85.544 | 0.09163 | 0.00000 | 316523.1 | 196771.1 | 100632.1 | S |
| 117.458 | 0.0000 | 0.0000 | 85.543 | 0.09162 | 0.00000 | 316523.1 | 196773.8 | 100632.1 | S |
| 117.467 | 0.0000 | 0.0000 | 85.543 | 0.09161 | 0.00000 | 316523.1 | 196776.6 | 100632.1 | S |
| 117.475 | 0.0000 | 0.0000 | 85.543 | 0.09160 | 0.00000 | 316523.1 | 196779.3 | 100632.1 | S |
| 117.483 | 0.0000 | 0.0000 | 85.543 | 0.09159 | 0.00000 | 316523.1 | 196782.1 | 100632.1 | 5 |
| 117.492 | 0.0000 | 0.0000 | 85.543 | 0.09158 | 0.00000 | 316523.1 | 196784.8 | 100632.1 | S |
| 117.500 | 0.0000 | 0.0000 | 85.542 | 0.09157 | 0.00000 | 316523.1 | 196787.6 | 100632.1 | S |
| 117.508 | 0.0000 | 0.0000 | 85.542 | 0.09156 | 0.00000 | 316523.1 | 196790.3 | 100632.1 | S |
| 117.517 | 0.0000 | 0.0000 | 85.542 | 0.09155 | 0.00000 | 316523.1 | 196793.1 | 100632.1 | S |
| 117.525 | 0.0000 | 0.0000 | 85.542 | 0.09154 | 0.00000 | 316523.1 | 196795.8 | 100632.1 | S |
| 117.533 | 0.0000 | 0.0000 | 85.542 | 0.09153 | 0.00000 | 316523.1 | 196798.5 | 100632.1 | S |
| 117.542 | 0.0000 | 0.0000 | 85.542 | 0.09152 | 0.00000 | 316523.1 | 196801.3 | 100632.1 | S |
| 117.550 | 0.0000 | 0.0000 | 85.541 | 0.09151 | 0.00000 | 316523.1 | 196804.0 | 100632.1 | S |
| \$17.558 | 0.0000 | 0.0000 | 85.541 | 0.09151 | 0.00000 | 316523.1 | 196806.8 | 100632.1 | S |
| 117.567 | 0.0000 | 0.0000 | 85.541 | 0.09150 | 0.00000 | 316523.1 | 196809.5 | 100632.1 | S |
| 117.575 | 0.0000 | 0.0000 | 85.541 | 0.09149 | 0.00000 | 316523.1 | 196812.3 | 100632.1 | S |
| 117.583 | 0.0000 | 0.0000 | 85.541 | 0.09148 | 0.00000 | 316523.1 | 196815.0 | 100632.1 | S |
| 117.592 | 0.0000 | 0.0000 | 85.540 | 0.09147 | 0.00000 | 316523.1 | 196817.8 | 100632.1 | S |
| 117.600 | 0.0000 | 0.0000 | 85.540 | 0.09146 | 0.00000 | 316523.1 | 196820.5 | 100632.1 | S |
| 117.608 | 0.0000 | 0.0000 | 85.540 | 0.09145 | 0.00000 | 316523.1 | 196823.3 | 100632.1 | S |
| 117.617 | 0.0000 | 0.0000 | 85.540 | 0.09144 | 0.00000 | 316523.1 | 196826.0 | 100632.1 | S |
| 117.625 | 0.0000 | 0.0000 | 85.540 | 0.09143 | 0.00000 | 316523.1 | 196828.7 | 100632.1 | S |
| 117.633 | 0.0000 | 0.0000 | 85.540 | 0.09142 | 0.00000 | 316523.1 | 196831.5 | 100632.1 | S |
| 117.642 | 0.0000 | 0.0000 | 85.539 | 0.09141 | 0.00000 | 316523.1 | 196834.2 | 100632.1 | S |
| 117.650 | 0.0000 | 0.0000 | 85.539 | 0.09140 | 0.00000 | 316523.1 | 196837.0 | 100632.1 | S |
| 117.658 | 0.0000 | 0.0000 | 85.539 | 0.09139 | 0.00000 | 316523.1 | 196839.7 | 100632.1 | S |
| 117.667 | 0.0000 | 0.0000 | 85.539 | 0.09138 | 0.00000 | 316523.1 | 196842.5 | 100632.1 | S |
| \$17.675 | 0.0000 | 0.0000 | 85.539 | 0.09137 | 0.00000 | 316523.1 | 196845.2 | 100632.1 | S |
| 117.683 | 0.0000 | 0.0000 | 85.538 | 0.09136 | 0.00000 | 316523.1 | 196847.9 | 100632.1 | S |
| 117.692 | 0.0000 | 0.0000 | 85.538 | 0.09136 | 0.00000 | 316523.1 | 196850.7 | 100632.1 | S |
| 117.700 | 0.0000 | 0.0000 | 85.538 | 0.09135 | 0.00000 | 316523.1 | 196853.4 | 100632.1 | S |
| 117.708 | 0.0000 | 0.0000 | 85.538 | 0.09134 | 0.00000 | 316523.1 | 196856.2 | 100632.1 | S |
| 117.717 | 0.0000 | 0.0000 | 85.538 | 0.09133 | 0.00000 | 316523.1 | 196858.9 | 100632.1 | S |
| 117.725 | 0.0000 | 0.0000 | 85.538 | 0.09132 | 0.00000 | 316523.1 | 196861.6 | 100632.1 | S |
| 117.733 | 0.0000 | 0.0000 | 85.537 | 0.09131 | 0.00000 | 316523.1 | 196864.4 | 100632.1 | S |
| 117.742 | 0.0000 | 0.0000 | 85.537 | 0.09130 | 0.00000 | 316523.1 | 196867.1 | 100632.1 | S |
| 117.750 | 0.0000 | 0.0000 | 85.537 | 0.09129 | 0.00000 | 316523.1 | 196869.8 | 100632.1 | S |
| 117.758 | 0.0000 | 0.0000 | 85.537 | 0.09128 | 0.00000 | 316523.1 | 196872.6 | 100632.1 | S |
| 117.767 | 0.0000 | 0.0000 | 85.537 | 0.09127 | 0.00000 | 316523.1 | 196875.3 | 100632.1 | S |
| 117.775 | 0.0000 | 0.0000 | 85.536 | 0.09126 | 0.00000 | 316523.1 | 196878.1 | 100632.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :. Scenario 1 :: pond10 100 yr $/ 24$ Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (fl datum) | Infiltration Rate (fishs) | Overflow Discharge $\left(\mathrm{ft}^{3} / \mathrm{s}\right)$ | Cumulative Inflow Voiume ( $\mathrm{t}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 117.783 | 0.0000 | 0.0000 | 85.536 | 0.09125 | 0.00000 | 316523.1 | 196880.8 | 100632.1 | S |
| 117.792 | 0.0000 | 0.0000 | 85.536 | 0.09124 | 0.00000 | 316523.1 | 196883.5 | 100632.1 | S |
| 117.800 | 0.0000 | 0.0000 | 85.536 | 0.09123 | 0.00000 | 316523.1 | 196886.3 | 100632.1 | S |
| 117.808 | 0.0000 | 0.0000 | 85.536 | 0.09122 | 0.00000 | 316523.1 | 196889.0 | 100632.1 | S |
| 117.817 | 0.0000 | 0.0000 | 85.536 | 0.09121 | 0.00000 | 316523.1 | 196891.8 | 100632.1 | S |
| 117.825 | 0.0000 | 0.0000 | 85.535 | 0.09121 | 0.00000 | 316523.1 | 196894.5 | 100632.1 | S |
| 117.833 | 0.0000 | 0.0000 | 85.535 | 0.09120 | 0.00000 | 316523.1 | 196897.2 | 100632.1 | S |
| 117.842 | 0.0000 | 0.0000 | 85.535 | 0.09119 | 0.00000 | 316523.1 | 196900.0 | 100632.1 | S |
| 117.850 | 0.0000 | 0.0000 | 85.535 | 0.09118 | 0.00000 | 316523.1 | 196902.7 | 100632.1 | S |
| 117.858 | 0.0000 | 0.0000 | 85.535 | 0.09117 | 0.00000 | 316523.1 | 196905.4 | 100632.1 | S |
| 117.867 | 0.0000 | 0.0000 | 85.534 | 0.09116 | 0.00000 | 316523.1 | 196908.2 | 100632.1 | S |
| 117.875 | 0.0000 | 0.0000 | 85.534 | 0.09115 | 0.00000 | 316523.1 | 196910.9 | 100632.1 | S |
| 117.883 | 0.0000 | 0.0000 | 85.534 | 0.09114 | 0.00000 | 316523.1 | 196913.6 | 100632.1 | S |
| 117.892 | 0.0000 | 0.0000 | 85.534 | 0.09113 | 0.00000 | 316523.1 | 196916.4 | 100632.1 | S |
| 117.900 | 0.0000 | 0.0000 | 85.534 | 0.09112 | 0.00000 | 316523.1 | 196919.1 | 100632.1 | S |
| 117.908 | 0.0000 | 0.0000 | 85.534 | 0.09111 | 0.00000 | 316523.1 | 196921.8 | 100632.1 | S |
| 117.917 | 0.0000 | 0.0000 | 85.533 | 0.09110 | 0.00000 | 316523.1 | 196924.6 | 100632.1 | S |
| 177.925 | 0.0000 | 0.0000 | 85.533 | 0.09109 | 0.00000 | 316523.1 | 196927.3 | 100632.1 | S |
| 117.933 | 0.0000 | 0.0000 | 85.533 | 0.09108 | 0.00000 | 316523.1 | 196930.0 | 100632.1 | S |
| 117.942 | 0.0000 | 0.0000 | 85.533 | 0.09107 | 0.00000 | 316523.1 | 196932.8 | 100632.1 | S |
| 117.950 | 0.0000 | 0.0000 | 85.533 | 0.09107 | 0.00000 | 316523.1 | 196935.5 | 100632.1 | S |
| 117.958 | 0.0000 | 0.0000 | 85.532 | 0.09106 | 0.00000 | 316523.1 | 196938.2 | 100632.1 | S |
| 117.967 | 0.0000 | 0.0000 | 85.532 | 0.09105 | 0.00000 | 316523.1 | 196941.0 | 100632.1 | S |
| 117.975 | 0.0000 | 0.0000 | 85.532 | 0.09104 | 0.00000 | 316523.1 | 196943.7 | 100632.1 | S |
| 117.983 | 0.0000 | 0.0000 | 85.532 | 0.09103 | 0.00000 | 316523.7 | 196946.4 | 100632.1 | S |
| 117.992 | 0.0000 | 0.0000 | 85.532 | 0.09102 | 0.00000 | 316523.1 | 196949.2 | 100632.1 | S |
| 118.000 | 0.0000 | 0.0000 | 85.532 | 0.09101 | 0.00000 | 316523.1 | 196951.9 | 100632.1 | S |
| 118.008 | 0.0000 | 0.0000 | 85.531 | 0.09100 | 0.00000 | 316523.1 | 196954.6 | 100632.1 | S |
| 118.017 | 0.0000 | 0.0000 | 85.531 | 0.09099 | 0.00000 | 316523.1 | 196957.3 | 100632.1 | S |
| 118.025 | 0.0000 | 0.0000 | 85.531 | 0.09098 | 0.00000 | 316523.1 | 196960.1 | 100632.1 | S |
| 118.033 | 0.0000 | 0.0000 | 85.531 | 0.09097 | 0.00000 | 316523.1 | 196962.8 | 100632.1 | S |
| 118.042 | 0.0000 | 0.0000 | 85.531 | 0.09096 | 0.00000 | 316523.1 | 196965.5 | 100632.1 | S |
| 118.050 | 0.0000 | 0.0000 | 85.530 | 0.09095 | 0.00000 | 316523.1 | 196968.3 | 100632.1 | S |
| 118.058 | 0.0000 | 0.0000 | 85.530 | 0.09094 | 0.00000 | 316523.1 | 196971.0 | 100632.1 | S |
| 118.067 | 0.0000 | 0.0000 | 85.530 | 0.09094 | 0.00000 | 316523.1 | 196973.7 | 100632.1 | S |
| 118.075 | 0.0000 | 0.0000 | 85.530 | 0.09093 | 0.00000 | 316523.1 | 196976.5 | 100632.1 | S |
| 118.083 | 0.0000 | 0.0000 | 85.530 | 0.09092 | 0.00000 | 316523.1 | 196979.2 | 100632.1 | S |
| 118.092 | 0.0000 | 0.0000 | 85.530 | 0.09091 | 0.00000 | 316523.1 | 196981.9 | 100632.1 | S |
| 118.100 | 0.0000 | 0.0000 | 85.529 | 0.09090 | 0.00000 | 316523.1 | 196984.6 | 100632.1 | S |
| 118.108 | 0.0000 | 0.0000 | 85.529 | 0.09089 | 0.00000 | 316523.1 | 196987.4 | 100632.1 | S |
| 118.117 | 0.0000 | 0.0000 | 85.529 | 0.09088 | 0.00000 | 316523.1 | 196990.1 | 100632.1 | S |
| 118.125 | 0.0000 | 0.0000 | 85.529 | 0.09087 | 0.00000 | 316523.1 | 196992.8 | 100632.1 | S |
| 118.133 | 0.0000 | 0.0000 | 85.529 | 0.09086 | 0.00000 | 316523.1 | 196995.5 | 100632.1 | S |
| 118.142 | 0.0000 | 0.0000 | 85.528 | 0.09085 | 0.00000 | 316523.1 | 196998.3 | 100632.1 | S |
| 118.150 | 0.0000 | 0.0000 | 85.528 | 0.09084 | 0.00000 | 316523.1 | 197001.0 | 100632.1 | S |
| 118.158 | 0.0000 | 0.0000 | 85.528 | 0.09083 | 0.00000 | 316523.1 | 197003.7 | 100632.1 | S |
| 118.167 | 0.0000 | 0.0000 | 85.528 | 0.09082 | 0.00000 | 316523.1 | 197006.4 | 100632.1 | S |
| 118.175 | 0.0000 | 0.0000 | 85.528 | 0.09081 | 0.00000 | 316523.1 | 197009.2 | 100632.1 | S |
| 118.183 | 0.0000 | 0.0000 | 85.528 | 0.09081 | 0.00000 | 316523.1 | 197011.9 | 100632.1 | S |
| 178.192 | 0.0000 | 0.0000 | 85.527 | 0.09080 | 0.00000 | 316523.1 | 197014.6 | 100632.1 | S |
| 118.200 | 0.0000 | 0.0000 | 85.527 | 0.09079 | 0.00000 | 316523.1 | 197017.3 | 100632.1 | S |
| 118.208 | 0.0000 | 0.0000 | 85.527 | 0.09078 | 0.00000 | 316523.1 | 197020.1 | 100632.1 | S |
| 118.217 | 0.0000 | 0.0000 | 85.527 | 0.09077 | 0.00000 | 316523.1 | 197022.8 | 100632.1 | S |
| 118.225 | 0.0000 | 0.0000 | 85.527 | 0.09076 | 0.00000 | 316523.1 | 197025.5 | 100632.1 | S |
| 118.233 | 0.0000 | 0.0000 | 85.526 | 0.09075 | 0.00000 | 316523.1 | 197028.2 | 100632.1 | S |
| 118.242 | 0.0000 | 0.0000 | 85.526 | 0.09074 | 0.00000 | 316523.1 | 197031.0 | 100632.1 | S |
| 118.250 | 0.0000 | 0.0000 | 85.526 | 0.09073 | 0.00000 | 316523.1 | 197033.7 | 100632.1 | S |
| 118.258 | 0.0000 | 0.0000 | 85.526 | 0.09072 | 0.00000 | 316523.1 | 197036.4 | 100632.1 | S |
| 118.267 | 0.0000 | 0.0000 | 85.526 | 0.09071 | 0.00000 | 316523.1 | 197039.1 | 100632.1 | S |
| 118.275 | 0.0000 | 0.0000 | 85.526 | 0.09070 | 0.00000 | 316523.1 | 197041.8 | 100632.1 | S |
| 118.283 | 0.0000 | 0.0000 | 85.525 | 0.09069 | 0.00000 | 316523.1 | 197044.5 | 100632.1 | S |
| 118.292 | 0.0000 | 0.0000 | 85.525 | 0.09068 | 0.00000 | 316523.1 | 197047.3 | 100632.1 | S |
| 118.300 | 0.0000 | 0.0000 | 85.525 | 0.09068 | 0.00000 | 316523.1 | 197050.0 | 100632.1 | S |
| 118.308 | 0.0000 | 0.0000 | 85.525 | 0.09067 | 0.00000 | 316523.1 | 197052.7 | 100632.1 | S |
| 118.317 | 0.0000 | 0.0000 | 85.525 | 0.09066 | 0.00000 | 316523.1 | 197055.4 | 100632.1 | S |
| 118.325 | 0.0000 | 0.0000 | 85.524 | 0.09065 | 0.00000 | 316523.1 | 197058.2 | 100632.1 | S |
| 118.333 | 0.0000 | 0.0000 | 85.524 | 0.09064 | 0.00000 | 316523.1 | 197060.9 | 100632.1 | S |
| 118.342 | 0.0000 | 0.0000 | 85.524 | 0.09063 | 0.00000 | 316523.1 | 197063.6 | 100632.1 | S |
| 118.350 | 0.0000 | 0.0000 | 85.524 | 0.09062 | 0.00000 | 316523.1 | 197066.3 | 100632.1 | S |
| 118.358 | 0.0000 | 0.0000 | 85.524 | 0.09061 | 0.00000 | 316523.1 | 197069.0 | 100632.1 | S |
| 118.367 | 0.0000 | 0.0000 | 85.524 | 0.09060 | 0.00000 | 316523.1 | 197071.8 | 100632.1 | S |
| 118.375 | 0.0000 | 0.0000 | 85.523 | 0.09059 | 0.00000 | 316523.1 | 197074.5 | 100632.1 | S |
| 118.383 | 0.0000 | 0.0000 | 85.523 | 0.09058 | 0.00000 | 316523.1 | 197077.2 | 100632.1 | S |
| 118.392 | 0.0000 | 0.0000 | 85.523 | 0.09057 | 0.00000 | 316523.1 | 197079.9 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge ( $4 /$ day) | Stage Elevation (fl datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{fi}^{3}$ ) | Cumulative Infilsration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 118.400 | 0.0000 | 0.0000 | 85.523 | 0.09056 | 0.00000 | 316523.1 | 197082.6 | 100632.1 | S |
| 118.408 | 0.0000 | 0.0000 | 85.523 | 0.09056 | 0.00000 | 316523.1 | 197085.3 | 100632.1 | S |
| 118.417 | 0.0000 | 0.0000 | 85.522 | 0.09055 | 0.00000 | 316523.1 | 197088.0 | 100632.1 | S |
| 118.425 | 0.0000 | 0.0000 | 85.522 | 0.09054 | 0.00000 | 316523.1 | 197090.8 | 100632.1 | S |
| 118.433 | 0.0000 | 0.0000 | 85.522 | 0.09053 | 0.00000 | 316523.1 | 197093.5 | 100632.1 | S |
| 118.442 | 0.0000 | 0.0000 | 85.522 | 0.09052 | 0.00000 | 316523.1 | 197096.2 | 100632.1 | S |
| 118.450 | 0.0000 | 0.0000 | 85.522 | 0.09051 | 0.00000 | 316523.1 | 197098.9 | 100632.1 | S |
| 118.458 | 0.0000 | 0.0000 | 85.522 | 0.09050 | 0.00000 | 316523.1 | 197101.6 | 100632.1 | S |
| 118.467 | 0.0000 | 0.0000 | 85.521 | 0.09049 | 0.00000 | 316523.1 | 197104.3 | 100632.1 | S |
| 118.475 | 0.0000 | 0.0000 | 85.521 | 0.09048 | 0.00000 | 316523.1 | 197107.1 | 100632.1 | S |
| 118.483 | 0.0000 | 0.0000 | 85.521 | 0.09047 | 0.00000 | 316523.1 | 197109.8 | 100632.1 | S |
| 118.492 | 0.0000 | 0.0000 | 85.521 | 0.09046 | 0.00000 | 316523.1 | 197112.5 | 100632.1 | S |
| 118.500 | 0.0000 | 0.0000 | 85.521 | 0.09045 | 0.00000 | 316523.1 | 197115.2 | 100632.1 | S |
| 118.508 | 0.0000 | 0.0000 | 85.520 | 0.09044 | 0.00000 | 316523.1 | 197117.9 | 100632.1 | S |
| 118.517 | 0.0000 | 0.0000 | 85.520 | 0.09044 | 0.00000 | 316523.1 | 197120.6 | 100632.1 | S |
| 118.525 | 0.0000 | 0.0000 | 85.520 | 0.09043 | 0.00000 | 316523.1 | 197123.3 | 100632.1 | S |
| 118.533 | 0.0000 | 0.0000 | 85.520 | 0.09042 | 0.00000 | 316523.1 | 197126.0 | 100632.1 | S |
| 118.542 | 0.0000 | 0.0000 | 85.520 | 0.09041 | 0.00000 | 316523.1 | 197128.8 | 100632.1 | S |
| 118.550 | 0.0000 | 0.0000 | 85.520 | 0.09040 | 0.00000 | 316523.1 | 197131.5 | 100632.1 | S |
| 118.558 | 0.0000 | 0.0000 | 85.519 | 0.09039 | 0.00000 | 316523.1 | 197134.2 | 100632.1 | S |
| 118.567 | 0.0000 | 0.0000 | 85.519 | 0.09038 | 0.00000 | 316523.1 | 197136.9 | 100632.1 | S |
| 118.575 | 0.0000 | 0.0000 | 85.519 | 0.09037 | 0.00000 | 316523.1 | 197139.6 | 100632.1 | S |
| 118.583 | 0.0000 | 0.0000 | 85.519 | 0.09036 | 0.00000 | 316523.1 | 197142.3 | 100632.1 | S |
| 118.592 | 0.0000 | 0.0000 | 85.519 | 0.09035 | 0.00000 | 316523.1 | 197145.0 | 100632.1 | S |
| 118.600 | 0.0000 | 0.0000 | 85.518 | 0.09034 | 0.00000 | 316523.1 | 197147.8 | 100632.1 | S |
| 118.608 | 0.0000 | 0.0000 | 85.518 | 0.09033 | 0.00000 | 316523.1 | 197150.5 | 100632.1 | S |
| 118.617 | 0.0000 | 0.0000 | 85.518 | 0.09032 | 0.00000 | 316523.1 | 197153.2 | 100632.1 | S |
| 118.625 | 0.0000 | 0.0000 | 85.518 | 0.09032 | 0.00000 | 316523.1 | 197155.9 | 100632.1 | S |
| 118.633 | 0.0000 | 0.0000 | 85.518 | 0.09031 | 0.00000 | 316523.1 | 197158.6 | 100632.1 | S |
| 118.642 | 0.0000 | 0.0000 | 85.518 | 0.09030 | 0.00000 | 316523.1 | 197161.3 | 100632.1 | S |
| 118.650 | 0.0000 | 0.0000 | 85.517 | 0.09029 | 0.00000 | 316523.1 | 197164.0 | 100632.1 | S |
| 118.658 | 0.0000 | 0.0000 | 85.517 | 0.09028 | 0.00000 | 316523.1 | 197166.7 | 100632.1 | S |
| 118.667 | 0.0000 | 0.0000 | 85.517 | 0.09027 | 0.00000 | 316523.1 | 197169.4 | 100632.1 | S |
| 118.675 | 0.0000 | 0.0000 | 85.517 | 0.09026 | 0.00000 | 316523.1 | 197172.1 | 100632.1 | S |
| 118.683 | 0.0000 | 0.0000 | 85.517 | 0.09025 | 0.00000 | 316523.1 | 197174.8 | 100632.1 | S |
| 118.692 | 0.0000 | 0.0000 | 85.516 | 0.09024 | 0.00000 | 316523.1 | 197177.5 | 100632.1 | S |
| 118.700 | 0.0000 | 0.0000 | 85.516 | 0.09023 | 0.00000 | 316523.1 | 197180.3 | 100632.1 | S |
| 118.708 | 0.0000 | 0.0000 | 85.516 | 0.09022 | 0.00000 | 316523.1 | 197183.0 | 100632.1 | S |
| 118.717 | 0.0000 | 0.0000 | 85.516 | 0.09021 | 0.00000 | 316523.1 | 197185.7 | 100632.1 | S |
| 118.725 | 0.0000 | 0.0000 | 85.516 | 0.09021 | 0.00000 | 316523.1 | 197188.4 | 100632.1 | S |
| 118.733 | 0.0000 | 0.0000 | 85.516 | 0.09020 | 0.00000 | 316523.1 | 1979191 | 100632.1 | S |
| 118.742 | 0.0000 | 0.0000 | 85.515 | 0.09019 | 0.00000 | 316523.1 | 197193.8 | 100632.1 | S |
| 118.750 | 0.0000 | 0.0000 | 85.515 | 0.09018 | 0.00000 | 316523.1 | 197196.5 | 100632.1 | S |
| 118.758 | 0.0000 | 0.0000 | 85.515 | 0.09017 | 0.00000 | 316523.1 | 197199.2 | 100632.1 | S |
| 118.767 | 0.0000 | 0.0000 | 85.515 | 0.09016 | 0.00000 | 316523.1 | 197201.9 | 100632.1 | S |
| 118.775 | 0.0000 | 0.0000 | 85.515 | 0.09015 | 0.00000 | 316523.1 | 197204.6 | 100632.1 | S |
| 118.783 | 0.0000 | 0.0000 | 85.515 | 0.09014 | 0.00000 | 316523.1 | 197207.3 | 100632.1 | S |
| 118.792 | 0.0000 | 0.0000 | 85.514 | 0.09013 | 0.00000 | 316523.1 | 197210.0 | 100632.1 | S |
| 118.800 | 0.0000 | 0.0000 | 85.514 | 0.09012 | 0.00000 | 316523.1 | 197212.7 | 100632.1 | S |
| 118.808 | 0.0000 | 0.0000 | 85.514 | 0.09011 | 0.00000 | 316523.1 | 197215.4 | 100632.1 | S |
| 118.817 | 0.0000 | 0.0000 | 85.514 | 0.09010 | 0.00000 | 316523.1 | 197218.1 | 100632.1 | S |
| 118.825 | 0.0000 | 0.0000 | 85.514 | 0.09010 | 0.00000 | 316523.1 | 197220.8 | 100632.7 | S |
| 118.833 | 0.0000 | 0.0000 | 85.513 | 0.09009 | 0.00000 | 316523.1 | 197223.5 | 100632.1 | S |
| 118.842 | 0.0000 | 0.0000 | 85.513 | 0.09008 | 0.00000 | 316523.1 | 197226.2 | 100632.1 | S |
| 118.850 | 0.0000 | 0.0000 | 85.513 | 0.09007 | 0.00000 | 316523.1 | 197228.9 | 100632.1 | S |
| 118.858 | 0.0000 | 0.0000 | 85.513 | 0.09006 | 0.00000 | 316523.1 | 197231.6 | 100632.1 | S |
| 118.867 | 0.0000 | 0.0000 | 85.513 | 0.09005 | 0.00000 | 316523.1 | 197234.3 | 100632.1 | S |
| 118.875 | 0.0000 | 0.0000 | 85.513 | 0.09004 | 0.00000 | 316523.1 | 197237.0 | 100632.1 | S |
| 118.883 | 0.0000 | 0.0000 | 85.512 | 0.09003 | 0.00000 | 316523.1 | 197239.7 | 100632.1 | S |
| 118.892 | 0.0000 | 0.0000 | 85.512 | 0.09002 | 0.00000 | 316523.1 | 197242.4 | 100632.1 | S |
| 118.900 | 0.0000 | 0.0000 | 85.512 | 0.09001 | 0.00000 | 316523.1 | 197245.1 | 100632.1 | S |
| 118.908 | 0.0000 | 0.0000 | 85.512 | 0.09000 | 0.00000 | 316523.1 | 197247.8 | 100632.1 | S |
| 118.917 | 0.0000 | 0.0000 | 85.512 | 0.08999 | 0.00000 | 316523.1 | 197250.5 | 100632.1 | S |
| 118.925 | 0.0000 | 0.0000 | 85.511 | 0.08999 | 0.00000 | 316523.1 | 197253.2 | 100632.1 | S |
| 118.933 | 0.0000 | 0.0000 | 85.511 | 0.08998 | 0.00000 | 316523.1 | 197255.9 | 100632.1 | S |
| 118.942 | 0.0000 | 0.0000 | 85.511 | 0.08997 | 0.00000 | 316523.1 | 197258.6 | 100632.1 | S |
| 118.950 | 0.0000 | 0.0000 | 85.511 | 0.08996 | 0.00000 | 316523.1 | 197261.3 | 100632.1 | S |
| 118.958 | 0.0000 | 0.0000 | 85.511 | 0.08995 | 0.00000 | 316523.1 | 197264.0 | 100632.1 | S |
| 118.967 | 0.0000 | 0.0000 | 85.511 | 0.08994 | 0.00000 | 316523.1 | 197266.7 | 100632.1 | S |
| 118.975 | 0.0000 | 0.0000 | 85.510 | 0.08993 | 0.00000 | 316523.1 | 197269.4 | 100632.1 | S |
| 118.983 | 0.0000 | 0.0000 | 85.510 | 0.08992 | 0.00000 | 316523.1 | 197272.1 | 100632.1 | S |
| 118.992 | 0.0000 | 0.0000 | 85.510 | 0.08991 | 0.00000 | 316523.1 | 197274.8 | 100632.1 | S |
| 119.000 | 0.0000 | 0.0000 | 85.510 | 0.08990 | 0.00000 | 316523.1 | 197277.5 | 100632.1 | S |
| 119.008 | 0.0000 | 0.0000 | 85.510 | 0.08989 | 0.00000 | 316523.1 | 197280.2 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario $1::$ pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | infiltration Rate ( $\mathrm{f} \mathrm{t}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 /} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{t}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 119.017 | 0.0000 | 0.0000 | 85.509 | 0.08988 | 0.00000 | 316523.1 | 197282.9 | 100632.1 | S |
| 119.025 | 0.0000 | 0.0000 | 85.509 | 0.08988 | 0.00000 | 316523.1 | 197285.6 | 100632.1 | S |
| 119.033 | 0.0000 | 0.0000 | 85.509 | 0.08987 | 0.00000 | 316523.1 | 197288.3 | 100632.1 | S |
| 119.042 | 0.0000 | 0.0000 | 85.509 | 0.08986 | 0.00000 | 316523.1 | 197291.0 | 100632.1 | S |
| 119.050 | 0.0000 | 0.0000 | 85.509 | 0.08985 | 0.00000 | 316523.1 | 197293.7 | 100632.1 | S |
| 119.058 | 0.0000 | 0.0000 | 85.509 | 0.08984 | 0.00000 | 316523.1 | 197296.4 | 100632.1 | S |
| 119.067 | 0.0000 | 0.0000 | 85.508 | 0.08983 | 0.00000 | 316523.1 | 197299.1 | 100632.1 | S |
| 119.075 | 0.0000 | 0.0000 | 85.508 | 0.08982 | 0.00000 | 316523.1 | 197301.8 | 100632.1 | S |
| 119.083 | 0.0000 | 0.0000 | 85.508 | 0.08981 | 0.00000 | 316523.1 | 197304.5 | 100632.1 | S |
| 119.092 | 0.0000 | 0.0000 | 85.508 | 0.08980 | 0.00000 | 316523.1 | 197307.2 | 100632.1 | S |
| 119.100 | 0.0000 | 0.0000 | 85.508 | 0.08979 | 0.00000 | 316523.1 | 197309.9 | 100632.1 | S |
| 119.108 | 0.0000 | 0.0000 | 85.507 | 0.08978 | 0.00000 | 316523.1 | 197312.6 | 100632.7 | S |
| 119.117 | 0.0000 | 0.0000 | 85.507 | 0.08977 | 0.00000 | 316523.1 | 197315.3 | 100632.1 | S |
| 119.125 | 0.0000 | 0.0000 | 85.507 | 0.08977 | 0.00000 | 316523.1 | 197318.0 | 100632.1 | S |
| 119.133 | 0.0000 | 0.0000 | 85.507 | 0.08976 | 0.00000 | 316523.1 | 197320.6 | 100632.1 | S |
| 119.142 | 0.0000 | 0.0000 | 85.507 | 0.08975 | 0.00000 | 316523.1 | 197323.3 | 100632.1 | S |
| 119.150 | 0.0000 | 0.0000 | 85.507 | 0.08974 | 0.00000 | 316523.1 | 197326.0 | 100632.1 | S |
| 119.158 | 0.0000 | 0.0000 | 85.506 | 0.08973 | 0.00000 | 316523.1 | 197328.7 | 100632.1 | S |
| 119.167 | 0.0000 | 0.0000 | 85.506 | 0.08972 | 0.00000 | 316523.1 | 197331.4 | 100632.1 | S |
| 119.175 | 0.0000 | 0.0000 | 85.506 | 0.08971 | 0.00000 | 316523.1 | 197334.1 | 100632.1 | S |
| 119.183 | 0.0000 | 0.0000 | 85.506 | 0.08970 | 0.00000 | 316523.1 | 197336.8 | 100632.1 | S |
| 119.192 | 0.0000 | 0.0000 | 85.506 | 0.08969 | 0.00000 | 316523.1 | 197339.5 | 100632.1 | S |
| 119.200 | 0.0000 | 0.0000 | 85.505 | 0.08968 | 0.00000 | 316523.1 | 197342.2 | 100632.1 | S |
| 119.208 | 0.0000 | 0.0000 | 85.505 | 0.08967 | 0.00000 | 316523.1 | 197344.9 | 100632.1 | S |
| 119.217 | 0.0000 | 0.0000 | 85.505 | 0.08967 | 0.00000 | 316523.1 | 197347.5 | 100632.1 | S |
| 119.225 | 0.0000 | 0.0000 | 85.505 | 0.08966 | 0.00000 | 316523.1 | 197350.3 | 100632.1 | S |
| 119.233 | 0.0000 | 0.0000 | 85.505 | 0.08965 | 0.00000 | 316523.1 | 197352.9 | 100632.1 | S |
| 119.242 | 0.0000 | 0.0000 | 85.505 | 0.08964 | 0.00000 | 316523.1 | 197355.6 | 100632.1 | S |
| 119.250 | 0.0000 | 0.0000 | 85.504 | 0.08963 | 0.00000 | 316523.1 | 197358.3 | 100632.1 | S |
| 119.258 | 0.0000 | 0.0000 | 85.504 | 0.08962 | 0.00000 | 316523.1 | 197361.0 | 100632.1 | S |
| 119.267 | 0.0000 | 0.0000 | 85.504 | 0.08961 | 0.00000 | 316523.1 | 197363.7 | 100632.1 | S |
| 119.275 | 0.0000 | 0.0000 | 85.504 | 0.08960 | 0.00000 | 316523.1 | 197366.4 | 100632.1 | S |
| 119.283 | 0.0000 | 0.0000 | 85.504 | 0.08959 | 0.00000 | 316523.1 | 197369.1 | 100632.1 | S |
| 119.292 | 0.0000 | 0.0000 | 85.503 | 0.08958 | 0.00000 | 316523.1 | 197371.8 | 100632.1 | S |
| 119.300 | 0.0000 | 0.0000 | 85.503 | 0.08957 | 0.00000 | 316523.1 | 197374.4 | 100632.1 | S |
| 119.308 | 0.0000 | 0.0000 | 85.503 | 0.08957 | 0.00000 | 316523.1 | 197377.1 | 100632.1 | S |
| 119.317 | 0.0000 | 0.0000 | 85.503 | 0.08956 | 0.00000 | 316523.1 | 197379.8 | 100632.1 | S |
| 119.325 | 0.0000 | 0.0000 | 85.503 | 0.08955 | 0.00000 | 316523.1 | 197382.5 | 100632.1 | S |
| 119.333 | 0.0000 | 0.0000 | 85.503 | 0.08954 | 0.00000 | 316523.1 | 197385.2 | 100632.1 | S |
| 119.342 | 0.0000 | 0.0000 | 85.502 | 0.08953 | 0.00000 | 316523.1 | 197387.9 | 100632.1 | S |
| 119.350 | 0.0000 | 0.0000 | 85.502 | 0.08952 | 0.00000 | 316523.1 | 197390.6 | 100632.1 | S |
| 119.358 | 0.0000 | 0.0000 | 85.502 | 0.08951 | 0.00000 | 316523.1 | 197393.3 | 100632.1 | S |
| 119.367 | 0.0000 | 0.0000 | 85.502 | 0.08950 | 0.00000 | 316523.1 | 197395.9 | 100632.1 | S |
| 119.375 | 0.0000 | 0.0000 | 85.502 | 0.08949 | 0.00000 | 316523.1 | 197398.6 | 100632.1 | S |
| 119.383 | 0.0000 | 0.0000 | 85.502 | 0.08948 | 0.00000 | 316523.1 | 197401.3 | 100632.1 | S |
| 119.392 | 0.0000 | 0.0000 | 85.501 | 0.08947 | 0.00000 | 316523.1 | 197404.0 | 100632.1 | S |
| 119.400 | 0.0000 | 0.0000 | 85.501 | 0.08947 | 0.00000 | 316523.1 | 197406.7 | 100632.1 | S |
| 119.408 | 0.0000 | 0.0000 | 85.501 | 0.08946 | 0.00000 | 316523.1 | 197409.3 | 100632.1 | S |
| 119.417 | 0.0000 | 0.0000 | 85.501 | 0.08945 | 0.00000 | 316523.1 | 197412.0 | 100632.1 | S |
| 119.425 | 0.0000 | 0.0000 | 85.501 | 0.08944 | 0.00000 | 316523.1 | 197414.7 | 100632.1 | S |
| 119.433 | 0.0000 | 0.0000 | 85.500 | 0.08943 | 0.00000 | 316523.1 | 197417.4 | 100632.4 | S |
| 119.442 | 0.0000 | 0.0000 | 85.500 | 0.08942 | 0.00000 | 316523.1 | 197420.1 | 100632.1 | S |
| 119.450 | 0.0000 | 0.0000 | 85.500 | 0.08941 | 0.00000 | 316523.1 | 197422.8 | 100632.1 | S |
| 119.458 | 0.0000 | 0.0000 | 85.500 | 0.08940 | 0.00000 | 316523.1 | 197425.5 | 100632.1 | S |
| 119.467 | 0.0000 | 0.0000 | 85.500 | 0.08939 | 0.00000 | 316523.1 | 197428.1 | 100632.1 | S |
| 119.475 | 0.0000 | 0.0000 | 85.500 | 0.08938 | 0.00000 | 316523.1 | 197430.8 | 100632.1 | S |
| 119.483 | 0.0000 | 0.0000 | 85.499 | 0.08937 | 0.00000 | 316523.1 | 197433.5 | 100632.1 | S |
| 119.492 | 0.0000 | 0.0000 | 85.499 | 0.08937 | 0.00000 | 316523.1 | 197436.2 | 100632.1 | S |
| 119.500 | 0.0000 | 0.0000 | 85.499 | 0.08936 | 0.00000 | 316523.1 | 197438.9 | 100632.1 | S |
| 119.508 | 0.0000 | 0.0000 | 85.499 | 0.08935 | 0.00000 | 316523.1 | 197441.5 | 100632.1 | S |
| 119.517 | 0.0000 | 0.0000 | 85.499 | 0.08934 | 0.00000 | 316523.1 | 197444.2 | 100632.1 | S |
| 119.525 | 0.0000 | 0.0000 | 85.498 | 0.08933 | 0.00000 | 316523.1 | 197446.9 | 100632.1 | S |
| 119.533 | 0.0000 | 0.0000 | 85.498 | 0.08932 | 0.00000 | 316523.1 | 197449.6 | 100632.1 | S |
| 119.542 | 0.0000 | 0.0000 | 85.498 | 0.08931 | 0.00000 | 316523.1 | 197452.3 | 100632.1 | S |
| 119.550 | 0.0000 | 0.0000 | 85.498 | 0.08930 | 0.00000 | 316523.1 | 197454.9 | 100632.1 | S |
| 119.558 | 0.0000 | 0.0000 | 85.498 | 0.08929 | 0.00000 | 316523.1 | 197457.6 | 100632.1 | S |
| 119.567 | 0.0000 | 0.0000 | 85.498 | 0.08928 | 0.00000 | 316523.1 | 197460.3 | \$00632.1 | S |
| 119.575 | 0.0000 | 0.0000 | 85.497 | 0.08928 | 0.00000 | 316523.1 | 197463.0 | 100632.1 | S |
| 119.583 | 0.0000 | 0.0000 | 85.497 | 0.08927 | 0.00000 | 316523.1 | 197465.6 | 100632.1 | S |
| 119.592 | 0.0000 | 0.0000 | 85.497 | 0.08926 | 0.00000 | 316523.1 | 197468.3 | 100632.1 | S |
| 119.600 | 0.0000 | 0.0000 | 85.497 | 0.08925 | 0.00000 | 316523.1 | 197471.0 | 100632.1 | S |
| 119.608 | 0.0000 | 0.0000 | 85.497 | 0.08924 | 0.00000 | 316523.1 | 197473.7 | 100632.1 | S |
| 119.617 | 0.0000 | 0.0000 | 85.496 | 0.08923 | 0.00000 | 316523.1 | 197476.4 | 100632.1 | S |
| 119.625 | 0.0000 | 0.0000 | 85.496 | 0.08922 | 0.00000 | 316523.1 | 197479.0 | 100632.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Infiow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (f/day) | Stage Elevation (ft daturn) | Infiltration Rate ( $\mathrm{ft}^{3 / 5}$ ) | Overflow Discharge ( $\mathrm{f}{ }^{3} / \mathrm{s}$ ) | $\begin{aligned} & \text { Cumulative } \\ & \text { Inflow } \\ & \text { Volume }\left(\mathrm{ff}^{3}\right) \end{aligned}$ | Cumulative Infiltration Volume ( $\mathrm{H}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 119.633 | 0.0000 | 0.0000 | 85.496 | 0.08921 | 0.00000 | 316523.1 | 197481.7 | 100632.1 | S |
| 119.642 | 0.0000 | 0.0000 | 85.496 | 0.08920 | 0.00000 | 316523.1 | 197484.4 | 100632.1 | S |
| 119.650 | 0.0000 | 0.0000 | 85.496 | 0.08919 | 0.00000 | 316523.1 | 197487.1 | 100632.1 | S |
| 119.658 | 0.0000 | 0.0000 | 85.496 | 0.08918 | 0.00000 | 316523.1 | 197489.7 | 100632.1 | S |
| 119.667 | 0.0000 | 0.0000 | 85.495 | 0.08918 | 0.00000 | 316523.1 | 197492.4 | 100632.1 | S |
| 119.675 | 0.0000 | 0.0000 | 85.495 | 0.08917 | 0.00000 | 316523.1 | 197495.1 | 100632.1 | S |
| 119.683 | 0.0000 | 0.0000 | 85.495 | 0.08916 | 0.00000 | 316523.1 | 197497.8 | 100632.1 | S |
| 119.692 | 0.0000 | 0.0000 | 85.495 | 0.08915 | 0.00000 | 316523.1 | 197500.4 | 100632.1 | S |
| 119.700 | 0.0000 | 0.0000 | 85.495 | 0.08914 | 0.00000 | 316523.1 | 197503.1 | 100632.1 | S |
| $\$ 19.708$ | 0.0000 | 0.0000 | 85.495 | 0.08913 | 0.00000 | 316523.1 | 197505.8 | 100632.1 | S |
| 119.717 | 0.0000 | 0.0000 | 85.494 | 0.08912 | 0.00000 | 316523.1 | 197508.5 | 100632.1 | S |
| $\$ 19.725$ | 0.0000 | 0.0000 | 85.494 | 0.08911 | 0.00000 | 316523.1 | 197511.1 | 100632.1 | S |
| 119.733 | 0.0000 | 0.0000 | 85.494 | 0.08910 | 0.00000 | 316523.1 | 197513.8 | 100632.1 | S |
| 119.742 | 0.0000 | 0.0000 | 85.494 | 0.08909 | 0.00000 | 316523.1 | 197516.5 | 100632.1 | S |
| 119.750 | 0.0000 | 0.0000 | 85.494 | 0.08909 | 0.00000 | 316523.1 | 197519.2 | 100632.1 | S |
| 119.758 | 0.0000 | 0.0000 | 85.493 | 0.08908 | 0.00000 | 316523.1 | 197521.8 | 100632.1 | S |
| 119.767 | 0.0000 | 0.0000 | 85.493 | 0.08907 | 0.00000 | 316523.1 | 197524.5 | 100632.1 | S |
| 119.775 | 0.0000 | 0.0000 | 85.493 | 0.08906 | 0.00000 | 316523.1 | 197527.2 | 100632.1 | S |
| 119.783 | 0.0000 | 0.0000 | 85.493 | 0.08905 | 0.00000 | 316523.1 | 197529.8 | 100632.1 | S |
| 119.792 | 0.0000 | 0.0000 | 85.493 | 0.08904 | 0.00000 | 316523.1 | 197532.5 | 100632.1 | S |
| 119.800 | 0.0000 | 0.0000 | 85.493 | 0.08903 | 0.00000 | 316523.1 | 197535.2 | 100632.1 | S |
| 119.808 | 0.0000 | 0.0000 | 85.492 | 0.08902 | 0.00000 | 316523.1 | 197537.9 | 100632.1 | S |
| 119.817 | 0.0000 | 0.0000 | 85.492 | 0.08901 | 0.00000 | 316523.1 | 197540.5 | 100632.1 | S |
| 119.825 | 0.0000 | 0.0000 | 85.492 | 0.08900 | 0.00000 | 316523.1 | 197543.2 | 100632.1 | S |
| 119.833 | 0.0000 | 0.0000 | 85.492 | 0.08900 | 0.00000 | 316523.1 | 197545.9 | 100632.1 | S |
| 119.842 | 0.0000 | 0.0000 | 85.492 | 0.08899 | 0.00000 | 316523.1 | 197548.5 | 100632.1 | S |
| 119.850 | 0.0000 | 0.0000 | 85.491 | 0.08898 | 0.00000 | 316523.1 | 197551.2 | 100632.1 | S |
| 119.858 | 0.0000 | 0.0000 | 85.491 | 0.08897 | 0.00000 | 316523.1 | 197553.9 | 100632.1 | S |
| 119.867 | 0.0000 | 0.0000 | 85.491 | 0.08896 | 0.00000 | 316523.1 | 197556.5 | 100632.1 | S |
| 119,875 | 0.0000 | 0.0000 | 85.491 | 0.08895 | 0.00000 | 316523.1 | 197559.2 | 100632.1 | S |
| 119.883 | 0.0000 | 0.0000 | 85.491 | 0.08894 | 0.00000 | 316523.1 | 197561.9 | 100632.1 | S |
| 119.892 | 0.0000 | 0.0000 | 85.491 | 0.08893 | 0.00000 | 316523.1 | 197564.5 | 100632.1 | S |
| 119.900 | 0.0000 | 0.0000 | 85.490 | 0.08892 | 0.00000 | 316523.1 | 197567.2 | 100632.1 | S |
| 119.908 | 0.0000 | 0.0000 | 85.490 | 0.08891 | 0.00000 | 316523.1 | 197569.9 | 100632.1 | S |
| 119.917 | 0.0000 | 0.0000 | 85.490 | 0.08891 | 0.00000 | 316523.1 | 197572.5 | 100632.1 | S |
| 119.925 | 0.0000 | 0.0000 | 85.490 | 0.08890 | 0.00000 | 316523.1 | 197575.2 | 100632.1 | S |
| 119.933 | 0.0000 | 0.0000 | 85.490 | 0.08889 | 0.00000 | 316523.1 | 197577.9 | 100632.1 | S |
| 119.942 | 0.0000 | 0.0000 | 85.489 | 0.08888 | 0.00000 | 316523.1 | 197580.5 | 100632.1 | S |
| 119.950 | 0.0000 | 0.0000 | 85.489 | 0.08887 | 0.00000 | 316523.1 | 197583.2 | 100632.1 | S |
| 119.958 | 0.0000 | 0.0000 | 85.489 | 0.08886 | 0.00000 | 316523.1 | 197585.9 | 100632.1 | S |
| 119.967 | 0.0000 | 0.0000 | 85.489 | 0.08885 | 0.00000 | 316523.1 | 197588.5 | 100632.1 | S |
| 119.975 | 0.0000 | 0.0000 | 85.489 | 0.08884 | 0.00000 | 316523.1 | 197591.2 | 100632.1 | S |
| 119.983 | 0.0000 | 0.0000 | 85.489 | 0.08883 | 0.00000 | 316523.1 | 197593.9 | 100632.1 | S |
| 119.992 | 0.0000 | 0.0000 | 85.488 | 0.08882 | 0.00000 | 316523.1 | 197596.5 | 100632.1 | S |
| 120.000 | 0.0000 | 0.0000 | 85.488 | 0.08882 | 0.00000 | 316523.1 | 197599.2 | 100632.1 | S |
| 120.008 | 0.0000 | 0.0000 | 85.488 | 0.08881 | 0.00000 | 316523.1 | 197601.9 | 100632.1 | S |
| 120.017 | 0.0000 | 0.0000 | 85.488 | 0.08880 | 0.00000 | 316523.1 | 197604.5 | 100632.1 | S |
| 120.025 | 0.0000 | 0.0000 | 85.488 | 0.08879 | 0.00000 | 316523.1 | 197607.2 | 100632.1 | S |
| 120.033 | 0.0000 | 0.0000 | 85.488 | 0.08878 | 0.00000 | 316523.1 | 197609.9 | 100632.1 | S |
| 120.042 | 0.0000 | 0.0000 | 85.487 | 0.08877 | 0.00000 | 316523.1 | 197612.5 | 100632.1 | S |
| 120.050 | 0.0000 | 0.0000 | 85.487 | 0.08876 | 0.00000 | 316523.1 | 197615.2 | 100632.1 | S |
| 120.058 | 0.0000 | 0.0000 | 85.487 | 0.08875 | 0.00000 | 316523.1 | 197617.9 | 100632.1 | S |
| \{20.067 | 0.0000 | 0.0000 | 85.487 | 0.08874 | 0.00000 | 316523.1 | 197620.5 | 100632.1 | S |
| 120.075 | 0.0000 | 0.0000 | 85.487 | 0.08873 | 0.00000 | 316523.1 | 197623.2 | 100632.1 | S |
| 120.083 | 0.0000 | 0.0000 | 85.486 | 0.08873 | 0.00000 | 316523.1 | 197625.8 | 100632.1 | S |
| 120.092 | 0.0000 | 0.0000 | 85.486 | 0.08872 | 0.00000 | 316523.1 | 197628.5 | 100632.1 | S |
| 120.100 | 0.0000 | 0.0000 | 85.486 | 0.08871 | 0.00000 | 316523.1 | 197631.2 | 100632.1 | S |
| 120.108 | 0.0000 | 0.0000 | 85.486 | 0.08870 | 0.00000 | 316523.1 | 197633.8 | 100632.1 | S |
| 120.117 | 0.0000 | 0.0000 | 85.486 | 0.08869 | 0.00000 | 316523.1 | 197636.5 | 100632.1 | S |
| 120.125 | 0.0000 | 0.0000 | 85.486 | 0.08868 | 0.00000 | 316523.1 | 197639.1 | 100632.1 | S |
| 120.133 | 0.0000 | 0.0000 | 85.485 | 0.08867 | 0.00000 | 316523.1 | 197641.8 | 100632.1 | S |
| 120.142 | 0.0000 | 0.0000 | 85.485 | 0.08866 | 0.00000 | 316523.1 | 197644.5 | 100632.1 | S |
| 120.150 | 0.0000 | 0.0000 | 85.485 | 0.08865 | 0.00000 | 316523.1 | 197647.1 | 100632.1 | S |
| 120.158 | 0.0000 | 0.0000 | 85.485 | 0.08864 | 0.00000 | 316523.1 | 197649.8 | 100632.1 | S |
| 120.167 | 0.0000 | 0.0000 | 85.485 | 0.08864 | 0.00000 | 316523.1 | 197652.4 | 100632.1 | S |
| 120.175 | 0.0000 | 0.0000 | 85.484 | 0.08863 | 0.00000 | 316523.1 | 197655.1 | 100632.1 | S |
| 120.183 | 0.0000 | 0.0000 | 85.484 | 0.08862 | 0.00000 | 316523.1 | 197657.8 | 100632.1 | S |
| 120.192 | 0.0000 | 0.0000 | 85.484 | 0.08861 | 0.00000 | 316523.1 | 197660.4 | 100632.1 | S |
| 120.200 | 0.0000 | 0.0000 | 85.484 | 0.08860 | 0.00000 | 316523.1 | 197663.1 | 100632.1 | S |
| 120.208 | 0.0000 | 0.0000 | 85.484 | 0.08859 | 0.00000 | 316523.1 | 197665.7 | 100632.1 | S |
| 120.217 | 0.0000 | 0.0000 | 85.484 | 0.08858 | 0.00000 | 316523.1 | 197668.4 | 100632.1 | S |
| 120.225 | 0.0000 | 0.0000 | 85.483 | 0.08857 | 0.00000 | 316523.1 | 197671.0 | 100632.1 | S |
| 120.233 | 0.0000 | 0.0000 | 85.483 | 0.08856 | 0.00000 | 316523.1 | 197673.7 | 100632.1 | S |
| 120.242 | 0.0000 | 0.0000 | 85.483 | 0.08856 | 0.00000 | 316523.1 | 197676.4 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/overflow

| Elapsed Time (hours) | inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate (ft ${ }^{3} / \mathrm{s}$ ) | Overflow <br> Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Vofume ( $\mathrm{ft}^{3}$ ) | Cumutative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 120.250 | 0.0000 | 0.0000 | 85.483 | 0.08855 | 0.00000 | 316523.1 | 197679.0 | 100632.1 | S |
| 120.258 | 0.0000 | 0.0000 | 85.483 | 0.08854 | 0.00000 | 316523.1 | 197681.7 | 100632.1 | S |
| 120.267 | 0.0000 | 0.0000 | 85.483 | 0.08853 | 0.00000 | 316523.1 | 197684.3 | 100632.1 | S |
| 120.275 | 0.0000 | 0.0000 | 85.482 | 0.08852 | 0.00000 | 316523.1 | 197687.0 | 100632.1 | S |
| 120.283 | 0.0000 | 0.0000 | 85.482 | 0.08851 | 0.00000 | 316523.1 | 197689.6 | 100632.1 | S |
| 120.292 | 0.0000 | 0.0000 | 85.482 | 0.08850 | 0.00000 | 316523.1 | 197692.3 | 100632.1 | S |
| 120.300 | 0.0000 | 0.0000 | 85.482 | 0.08849 | 0.00000 | 316523.1 | 197695.0 | 100632.1 | S |
| 120.308 | 0.0000 | 0.0000 | 85.482 | 0.08848 | 0.00000 | 316523.1 | 197697.6 | 100632.1 | S |
| 120.317 | 0.0000 | 0.0000 | 85.481 | 0.08847 | 0.00000 | 316523.1 | 197700.3 | 100632.1 | S |
| 120.325 | 0.0000 | 0.0000 | 85.481 | 0.08847 | 0.00000 | 316523.1 | 197702.9 | 100632.1 | S |
| 120.333 | 0.0000 | 0.0000 | 85.481 | 0.08846 | 0.00000 | 316523.1 | 197705.6 | 100632.1 | S |
| 120.342 | 0.0000 | 0.0000 | 85.481 | 0.08845 | 0.00000 | 316523.1 | 197708.2 | 100632.1 | S |
| 120.350 | 0.0000 | 0.0000 | 85.481 | 0.08844 | 0.00000 | 316523.1 | 197710.9 | 100632.1 | S |
| 120.358 | 0.0000 | 0.0000 | 85.481 | 0.08843 | 0.00000 | 316523.1 | 197713.5 | 100632.1 | S |
| 120.367 | 0.0000 | 0.0000 | 85.480 | 0.08842 | 0.00000 | 316523.1 | 197716.2 | 100632.1 | S |
| 120.375 | 0.0000 | 0.0000 | 85.480 | 0.08841 | 0.00000 | 316523.1 | 197718.8 | 100632.1 | S |
| 120.383 | 0.0000 | 0.0000 | 85.480 | 0.08840 | 0.00000 | 316523.1 | 197721.5 | 100632.1 | S |
| 120.392 | 0.0000 | 0.0000 | 85.480 | 0.08839 | 0.00000 | 316523.1 | 197724.1 | 100632.1 | S |
| 120.400 | 0.0000 | 0.0000 | 85.480 | 0.08839 | 0.00000 | 316523.1 | 197726.8 | 100632.1 | S |
| 120.408 | 0.0000 | 0.0000 | 85.479 | 0.08838 | 0.00000 | 316523.1 | 197729.4 | 100632.1 | S |
| 120.417 | 0.0000 | 0.0000 | 85.479 | 0.08837 | 0.00000 | 316523.1 | 197732.1 | 100632.1 | S |
| 120.425 | 0.0000 | 0.0000 | 85.479 | 0.08836 | 0.00000 | 316523.1 | 197734.8 | 100632.1 | S |
| 120.433 | 0.0000 | 0.0000 | 85.479 | 0.08835 | 0.00000 | 316523.1 | 197737.4 | 100632.1 | S |
| 120.442 | 0.0000 | 0.0000 | 85.479 | 0.08834 | 0.00000 | 316523.1 | 197740.0 | 100632.1 | S |
| 120.450 | 0.0000 | 0.0000 | 85.479 | 0.08833 | 0.00000 | 316523.1 | 197742.7 | 100632.1 | S |
| 120.458 | 0.0000 | 0.0000 | 85.478 | 0.08832 | 0.00000 | 316523.1 | 197745.3 | 100632.1 | S |
| 120.467 | 0.0000 | 0.0000 | 85.478 | 0.08831 | 0.00000 | 316523.1 | 197748.0 | 100632.1 | S |
| 120.475 | 0.0000 | 0.0000 | 85.478 | 0.08831 | 0.00000 | 316523.1 | 197750.6 | 100632.4 | S |
| 120.483 | 0.0000 | 0.0000 | 85.478 | 0.08830 | 0.00000 | 316523.1 | 197753.3 | 100632.1 | S |
| 120.492 | 0.0000 | 0.0000 | 85.478 | 0.08829 | 0.00000 | 316523.1 | 197755.9 | 100632.1 | S |
| 120.500 | 0.0000 | 0.0000 | 85.478 | 0.08828 | 0.00000 | 316523.1 | 197758.6 | 100632.1 | S |
| 120.508 | 0.0000 | 0.0000 | 85.477 | 0.08827 | 0.00000 | 316523.1 | 197761.2 | 100632.1 | S |
| 120.517 | 0.0000 | 0.0000 | 85.477 | 0.08826 | 0.00000 | 316523.1 | 197763.9 | 100632.1 | S |
| 120.525 | 0.0000 | 0.0000 | 85.477 | 0.08825 | 0.00000 | 316523.1 | 197766.5 | 100632.1 | S |
| 120.533 | 0.0000 | 0.0000 | 85.477 | 0.08824 | 0.00000 | 316523.1 | 197769.2 | 100632.1 | S |
| 120.542 | 0.0000 | 0.0000 | 85.477 | 0.08823 | 0.00000 | 316523.1 | 197771.8 | 100632.1 | S |
| 120.550 | 0.0000 | 0.0000 | 85.476 | 0.08823 | 0.00000 | 316523.1 | 197774.5 | 100632.1 | S |
| 120.558 | 0.0000 | 0.0000 | 85.476 | 0.08822 | 0.00000 | 316523.1 | 197777.1 | 100632.1 | S |
| 120.567 | 0.0000 | 0.0000 | 85.476 | 0.08821 | 0.00000 | 316523.1 | 197779.8 | 100632.1 | S |
| 120.575 | 0.0000 | 0.0000 | 85.476 | 0.08820 | 0.00000 | 316523.1 | 197782.4 | 100632.1 | S |
| 120.583 | 0.0000 | 0.0000 | 85.476 | 0.08819 | 0.00000 | 316523.1 | 197785.1 | 100632.1 | S |
| 120.592 | 0.0000 | 0.0000 | 85.476 | 0.08818 | 0.00000 | 316523.1 | 197787.7 | 100632.1 | S |
| 120.600 | 0.0000 | 0.0000 | 85.475 | 0.08817 | 0.00000 | 316523.1 | 197790.4 | 100632.1 | S |
| 120.608 | 0.0000 | 0.0000 | 85.475 | 0.08816 | 0.00000 | 316523.1 | 197793.0 | 100632.1 | S |
| 120.617 | 0.0000 | 0.0000 | 85.475 | 0.08815 | 0.00000 | 316523.1 | 197795.6 | 100632.1 | S |
| 120.625 | 0.0000 | 0.0000 | 85.475 | 0.08815 | 0.00000 | 316523.1 | 197798.3 | 100632.1 | S |
| 120.633 | 0.0000 | 0.0000 | 85.475 | 0.08814 | 0.00000 | 316523.1 | 197800.9 | 100632.1 | S |
| 120.642 | 0.0000 | 0.0000 | 85.474 | 0.08813 | 0.00000 | 316523.1 | 197803.6 | 100632.1 | S |
| 120.650 | 0.0000 | 0.0000 | 85.474 | 0.08812 | 0.00000 | 316523.1 | 197806.2 | 100632.1 | S |
| 120.658 | 0.0000 | 0.0000 | 85.474 | 0.08811 | 0.00000 | 316523.1 | 197808.9 | 100632.1 | S |
| 120.667 | 0.0000 | 0.0000 | 85.474 | 0.08810 | 0.00000 | 316523.1 | 197811.5 | 100632.1 | S |
| 120.675 | 0.0000 | 0.0000 | 85.474 | 0.08809 | 0.00000 | 316523.1 | 197814.2 | 100632.1 | S |
| 120.683 | 0.0000 | 0.0000 | 85.474 | 0.08808 | 0.00000 | 316523.1 | 497816.8 | 100632.1 | S |
| 120.692 | 0.0000 | 0.0000 | 85.473 | 0.08807 | 0.00000 | 316523.1 | 197819.4 | 100632.1 | S |
| 120.700 | 0.0000 | 0.0000 | 85.473 | 0.08807 | 0.00000 | 316523.1 | 197822.1 | 100632.1 | S |
| 120.708 | 0.0000 | 0.0000 | 85.473 | 0.08806 | 0.00000 | 316523.1 | 197824.7 | 100632.1 | S |
| 120.717 | 0.0000 | 0.0000 | 85.473 | 0.08805 | 0.00000 | 316523.1 | 197827.4 | $\dagger 00632.1$ | S |
| 120.725 | 0.0000 | 0.0000 | 85.473 | 0.08804 | 0.00000 | 316523.1 | 197830.0 | 100632.1 | S |
| 120.733 | 0.0000 | 0.0000 | 85.473 | 0.08803 | 0.00000 | 316523.1 | 197832.6 | 100632.1 | S |
| 120.742 | 0.0000 | 0.0000 | 85.472 | 0.08802 | 0.00000 | 316523.1 | 197835.3 | 100632.1 | S |
| 120.750 | 0.0000 | 0.0000 | 85.472 | 0.08801 | 0.00000 | 316523.1 | 197837.9 | 100632.1 | S |
| 120.758 | 0.0000 | 0.0000 | 85.472 | 0.08800 | 0.00000 | 316523.1 | 197840.6 | 100632.1 | S |
| 120.767 | 0.0000 | 0.0000 | 85.472 | 0.08799 | 0.00000 | 316523.1 | 197843.2 | 100632.1 | S |
| 120.775 | 0.0000 | 0.0000 | 85.472 | 0.08799 | 0.00000 | 316523.1 | 197845.8 | 100632.1 | S |
| 120.783 | 0.0000 | 0.0000 | 85.471 | 0.08798 | 0.00000 | 316523.1 | 197848.5 | 100632.1 | S |
| 120.792 | 0.0000 | 0.0000 | 85.471 | 0.08797 | 0.00000 | 316523.1 | 197851.1 | 100632.1 | S |
| 120.800 | 0.0000 | 0.0000 | 85.471 | 0.08796 | 0.00000 | 316523.1 | 197853.8 | 100632.1 | S |
| 120.808 | 0.0000 | 0.0000 | 85.471 | 0.08795 | 0.00000 | 316523.1 | 197856.4 | 100632.1 | S |
| 120.817 | 0.0000 | 0.0000 | 85.471 | 0.08794 | 0.00000 | 316523.1 | 197859.0 | 100632.4 | S |
| 120.825 | 0.0000 | 0.0000 | 85.471 | 0.08793 | 0.00000 | 316523.1 | 197861.7 | 100632.1 | S |
| 120.833 | 0.0000 | 0.0000 | 85.470 | 0.08792 | 0.00000 | 316523.1 | 197864.3 | 100632.1 | S |
| 120.842 | 0.0000 | 0.0000 | 85.470 | 0.08791 | 0.00000 | 316523.1 | 197867.0 | 100632.1 | S |
| 120.850 | 0.0000 | 0.0000 | 85.470 | 0.08791 | 0.00000 | 316523.1 | 197869.6 | 100632.1 | S |
| 120.858 | 0.0000 | 0.0000 | 85.470 | 0.08790 | 0.00000 | 316523.1 | 197872.2 | 100632.1 | S |

Vista Landfill Redesign Iterim Design

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overilow <br> Discharge ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative <br> Discharge <br> Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 120.867 | 0.0000 | 0.0000 | 85.470 | 0.08789 | 0.00000 | 316523.1 | 197874.9 | 100632.1 | S |
| 120.875 | 0.0000 | 0.0000 | 85.469 | 0.08788 | 0.00000 | 316523.1 | 197877.5 | 100632.1 | S |
| 120.883 | 0.0000 | 0.0000 | 85.469 | 0.08787 | 0.00000 | 316523.1 | 197880.1 | 100632.1 | S |
| 120.892 | 0.0000 | 0.0000 | 85.469 | 0.08786 | 0.00000 | 316523.1 | 197882.8 | 100632.1 | S |
| 120.900 | 0.0000 | 0.0000 | 85.469 | 0.08785 | 0.00000 | 316523.1 | 197885.4 | 100632.1 | S |
| 120.908 | 0.0000 | 0.0000 | 85.469 | 0.08784 | 0.00000 | 316523.1 | 197888.0 | 100632.1 | S |
| 120.917 | 0.0000 | 0.0000 | 85.469 | 0.08783 | 0.00000 | 316523.1 | 197890.7 | 100632.1 | S |
| 120.925 | 0.0000 | 0.0000 | 85.468 | 0.08783 | 0.00000 | 316523.1 | 197893.3 | 100632.1 | S |
| 120.933 | 0.0000 | 0.0000 | 85.468 | 0.08782 | 0.00000 | 316523.1 | 197896.0 | 100632.1 | S |
| 120.942 | 0.0000 | 0.0000 | 85.468 | 0.08781 | 0.00000 | 316523.1 | 197898.6 | 100632.1 | S |
| 120.950 | 0.0000 | 0.0000 | 85.468 | 0.08780 | 0.00000 | 316523.1 | 197901.2 | 100632.1 | S |
| 120.958 | 0.0000 | 0.0000 | 85.468 | 0.08779 | 0.00000 | 316523.1 | 197903.8 | 100632.1 | S |
| 120.967 | 0.0000 | 0.0000 | 85.468 | 0.08778 | 0.00000 | 316523.1 | 197906.5 | 100632.1 | S |
| 120.975 | 0.0000 | 0.0000 | 85.467 | 0.08777 | 0.00000 | 316523.1 | 197909.1 | 100632.1 | S |
| 120.983 | 0.0000 | 0.0000 | 85.467 | 0.08776 | 0.00000 | 316523.1 | 197911.8 | 100632.1 | S |
| 120.992 | 0.0000 | 0.0000 | 85.467 | 0.08776 | 0.00000 | 316523.1 | 197914.4 | 100632.1 | S |
| 121.000 | 0.0000 | 0.0000 | 85.467 | 0.08775 | 0.00000 | 316523.1 | 197917.0 | 100632.1 | S |
| 121.008 | 0.0000 | 0.0000 | 85.467 | 0.08774 | 0.00000 | 316523.1 | 197919.6 | 100632.1 | S |
| 121.017 | 0.0000 | 0.0000 | 85.466 | 0.08773 | 0.00000 | 316523.1 | 197922.3 | 100632.1 | S |
| 121.025 | 0.0000 | 0.0000 | 85.466 | 0.08772 | 0.00000 | 316523.1 | 197924.9 | 100632.1 | S |
| 121.033 | 0.0000 | 0.0000 | 85.466 | 0.08771 | 0.00000 | 316523.1 | 197927.5 | 100632.1 | S |
| 121.042 | 0.0000 | 0.0000 | 85.466 | 0.08770 | 0.00000 | 316523.1 | 197930.2 | 100632.1 | S |
| 121.050 | 0.0000 | 0.0000 | 85.466 | 0.08769 | 0.00000 | 316523.1 | 197932.8 | 100632.1 | S |
| 121.058 | 0.0000 | 0.0000 | 85.466 | 0.08768 | 0.00000 | 316523.1 | 197935.4 | 100632.1 | S |
| 121.067 | 0.0000 | 0.0000 | 85.465 | 0.08768 | 0.00000 | 316523.1 | 197938.1 | 100632.1 | S |
| 121.075 | 0.0000 | 0.0000 | 85.465 | 0.08767 | 0.00000 | 316523.1 | 197940.7 | 100632.1 | S |
| 121.083 | 0.0000 | 0.0000 | 85.465 | 0.08766 | 0.00000 | 316523.1 | 197943.3 | 100632.1 | S |
| 121.092 | 0.0000 | 0.0000 | 85.465 | 0.08765 | 0.00000 | 316523.1 | 197946.0 | 100632.1 | S |
| 121.100 | 0.0000 | 0.0000 | 85.465 | 0.08764 | 0.00000 | 316523.1 | 197948.6 | 100632.1 | S |
| 121.108 | 0.0000 | 0.0000 | 85.465 | 0.08763 | 0.00000 | 316523.1 | 197951.2 | 100632.1 | S |
| 121.117 | 0.0000 | 0.0000 | 85.464 | 0.08762 | 0.00000 | 316523.1 | 197953.8 | 100632.1 | S |
| 121.125 | 0.0000 | 0.0000 | 85.464 | 0.08761 | 0.00000 | 316523.1 | 197956.5 | 100632.1 | S |
| 121.133 | 0.0000 | 0.0000 | 85.464 | 0.08761 | 0.00000 | 316523.1 | 197959.1 | 100632.1 | S |
| 121.142 | 0.0000 | 0.0000 | 85.464 | 0.08760 | 0.00000 | 316523.1 | 197961.7 | 100632.1 | S |
| 121.150 | 0.0000 | 0.0000 | 85.464 | 0.08759 | 0.00000 | 316523.1 | 197964.4 | 100632.1 | S |
| 121.158 | 0.0000 | 0.0000 | 85.463 | 0.08758 | 0.00000 | 316523.1 | 197967.0 | 100632.1 | S |
| 121.167 | 0.0000 | 0.0000 | 85.463 | 0.08757 | 0.00000 | 316523.1 | 197969.6 | 100632.1 | S |
| 121.175 | 0.0000 | 0.0000 | 85.463 | 0.08756 | 0.00000 | 316523.1 | $\uparrow 97972.2$ | 100632.1 | S |
| 121.183 | 0.0000 | 0.0000 | 85.463 | 0.08755 | 0.00000 | 316523.1 | 197974.9 | 100632.1 | S |
| 121.192 | 0.0000 | 0.0000 | 85.463 | 0.08754 | 0.00000 | 316523.1 | 197977.5 | 100632.1 | S |
| 121.200 | 0.0000 | 0.0000 | 85.463 | 0.08754 | 0.00000 | 316523.1 | 197980.1 | 100632.1 | S |
| 121.208 | 0.0000 | 0.0000 | 85.462 | 0.08753 | 0.00000 | 316523.1 | 197982.7 | 100632.1 | S |
| 121.217 | 0.0000 | 0.0000 | 85.462 | 0.08752 | 0.00000 | 316523.1 | 197985.4 | 100632.1 | S |
| 121.225 | 0.0000 | 0.0000 | 85.462 | 0.08751 | 0.00000 | 316523.1 | 197988.0 | 100632.1 | S |
| 121.233 | 0.0000 | 0.0000 | 85.462 | 0.08750 | 0.00000 | 316523.1 | 197990.6 | 100632.1 | S |
| 121.242 | 0.0000 | 0.0000 | 85.462 | 0.08749 | 0.00000 | 316523.1 | 197993.3 | 100632.1 | S |
| 121.250 | 0.0000 | 0.0000 | 85.461 | 0.08748 | 0.00000 | 316523.1 | 197995.9 | 100632.1 | S |
| 121.258 | 0.0000 | 0.0000 | 85.461 | 0.08747 | 0.00000 | 316523.1 | 197998.5 | 100632.1 | S |
| 121.267 | 0.0000 | 0.0000 | 85.461 | 0.08746 | 0.00000 | 316523.1 | 198001.1 | 100632.1 | S |
| 121.275 | 0.0000 | 0.0000 | 85.461 | 0.08746 | 0.00000 | 316523.1 | 198003.7 | 100632.1 | S |
| 121.283 | 0.0000 | 0.0000 | 85.461 | 0.08745 | 0.00000 | 316523.1 | 198006.4 | 100632.1 | S |
| 121.292 | 0.0000 | 0.0000 | 85.461 | 0.08744 | 0.00000 | 316523.1 | 198009.0 | 100632.1 | S |
| 121.300 | 0.0000 | 0.0000 | 85.460 | 0.08743 | 0.00000 | 316523.1 | 198011.6 | 100632.1 | S |
| 121.308 | 0.0000 | 0.0000 | 85.460 | 0.08742 | 0.00000 | 316523.1 | 198014.2 | 100632.1 | S |
| 121.317 | 0.0000 | 0.0000 | 85.460 | 0.08741 | 0.00000 | 316523.1 | 198016.9 | 100632.1 | S |
| 121.325 | 0.0000 | 0.0000 | 85.460 | 0.08740 | 0.00000 | 316523.1 | 198019.5 | 100632.1 | S |
| 121.333 | 0.0000 | 0.0000 | 85.460 | 0.08739 | 0.00000 | 316523.1 | 198022.1 | 100632.1 | S |
| 121.342 | 0.0000 | 0.0000 | 85.460 | 0.08739 | 0.00000 | 316523.1 | 198024.7 | 100632.1 | S |
| 121.350 | 0.0000 | 0.0000 | 85.459 | 0.08738 | 0.00000 | 316523.1 | 198027.3 | 100632.1 | S |
| 121.358 | 0.0000 | 0.0000 | 85.459 | 0.08737 | 0.00000 | 316523.1 | 198030.0 | 100632.1 | S |
| 121.367 | 0.0000 | 0.0000 | 85.459 | 0.08736 | 0.00000 | 316523.1 | 198032.6 | 100632.1 | S |
| 121.375 | 0.0000 | 0.0000 | 85.459 | 0.08735 | 0.00000 | 316523.1 | 198035.2 | 100632.1 | S |
| 121.383 | 0.0000 | 0.0000 | 85.459 | 0.08734 | 0.00000 | 316523.1 | 198037.8 | 100632.1 | S |
| 121.392 | 0.0000 | 0.0000 | 85.458 | 0.08733 | 0.00000 | 316523.1 | 198040.4 | 100632.1 | S |
| 121.400 | 0.0000 | 0.0000 | 85.458 | 0.08732 | 0.00000 | 316523.1 | 198043.1 | 100632.1 | S |
| 121.408 | 0.0000 | 0.0000 | 85.458 | 0.08732 | 0.00000 | 316523.1 | 198045.7 | 100632.1 | S |
| 121.417 | 0.0000 | 0.0000 | 85.458 | 0.08731 | 0.00000 | 316523.1 | 198048.3 | 100632.1 | S |
| 121.425 | 0.0000 | 0.0000 | 85.458 | 0.08730 | 0.00000 | 316523.1 | 198050.9 | 100632.1 | S |
| 121.433 | 0.0000 | 0.0000 | 85.458 | 0.08729 | 0.00000 | 316523.1 | 198053.5 | 100632.1 | S |
| 121.442 | 0.0000 | 0.0000 | 85.457 | 0.08728 | 0.00000 | 316523.1 | 198056.2 | 100632.1 | S |
| 121.450 | 0.0000 | 0.0000 | 85.457 | 0.08727 | 0.00000 | 316523.1 | 198058.8 | 100632.1 | S |
| 121.458 | 0.0000 | 0.0000 | 85.457 | 0.08726 | 0.00000 | 316523.1 | 198061.4 | 100632.1 | S |
| 121.467 | 0.0000 | 0.0000 | 85.457 | 0.08725 | 0.00000 | 316523.1 | 198064.0 | 100632.1 | S |
| 121.475 | 0.0000 | 0.0000 | 85.457 | 0.08725 | 0.00000 | 316523.1 | 198066.6 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ftday) | Stage Elevation (ft daturn) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Infiow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 121.483 | 0.0000 | 0.0000 | 85.457 | 0.08724 | 0.00000 | 316523.1 | 198069.3 | 100832.1 | S |
| 121.492 | 0.0000 | 0.0000 | 85.456 | 0.08723 | 0.00000 | 316523.1 | 198071.9 | 100632.1 | S |
| 121.500 | 0.0000 | 0.0000 | 85.456 | 0.08722 | 0.00000 | 316523.1 | 198074.5 | 100632.1 | S |
| 121.508 | 0.0000 | 0.0000 | 85.456 | 0.08721 | 0.00000 | 316523.1 | 198077.1 | 100632.1 | S |
| 121.517 | 0.0000 | 0.0000 | 85.456 | 0.08720 | 0.00000 | 316523.1 | 198079.7 | 100632.1 | S |
| 121.525 | 0.0000 | 0.0000 | 85.456 | 0.08719 | 0.00000 | 316523.1 | 188082.3 | 100632.1 | S |
| 121.533 | 0.0000 | 0.0000 | 85.455 | 0.08718 | 0.00000 | 316523.1 | 198085.0 | 100632.1 | S |
| 121.542 | 0.0000 | 0.0000 | 85.455 | 0.08718 | 0.00000 | 316523.1 | 198087.6 | 100632.1 | S |
| 121.550 | 0.0000 | 0.0000 | 85.455 | 0.08717 | 0.00000 | 316523.1 | 198090.2 | 100632,1 | S |
| 121.558 | 0.0000 | 0.0000 | 85.455 | 0.08716 | 0.00000 | 316523.1 | 198092.8 | 100632.1 | S |
| 121.567 | 0.0000 | 0.0000 | 85.455 | 0.08715 | 0.00000 | 316523.1 | 198095.4 | 100632.1 | S |
| 121.575 | 0.0000 | 0.0000 | 85.455 | 0.08714 | 0.00000 | 316523.1 | 198098.0 | 100632.1 | S |
| 121.583 | 0.0000 | 0.0000 | 85.454 | 0.08713 | 0.00000 | 316523.1 | 198100.6 | 100632.1 | S |
| 121.592 | 0.0000 | 0.0000 | 85.454 | 0.08712 | 0.00000 | 316523.1 | 198103.3 | 100632.1 | S |
| 121.600 | 0.0000 | 0.0000 | 85.454 | 0.08711 | 0.00000 | 316523.1 | 198105.9 | 100632.1 | S |
| 121.608 | 0.0000 | 0.0000 | 85.454 | 0.08711 | 0.00000 | 316523.1 | 198108.5 | 100632.1 | S |
| 121.617 | 0.0000 | 0.0000 | 85.454 | 0.08710 | 0.00000 | 316523.1 | 198111.1 | 100632.1 | S |
| 121.625 | 0.0000 | 0.0000 | 85.454 | 0.08709 | 0.00000 | 316523.1 | 198113.7 | 100632.1 | S |
| 121.633 | 0.0000 | 0.0000 | 85.453 | 0.08708 | 0.00000 | 316523.1 | 198116.3 | 100632.1 | S |
| 121.642 | 0.0000 | 0.0000 | 85.453 | 0.08707 | 0.00000 | 316523.1 | 198118.9 | 100632.1 | S |
| 121.650 | 0.0000 | 0.0000 | 85.453 | 0.08706 | 0.00000 | 316523.1 | 198121.5 | 100632.1 | S |
| 121.658 | 0.0000 | 0.0000 | 85.453 | 0.08705 | 0.00000 | 316523.1 | 198124.2 | 100632.1 | S |
| 121.667 | 0.0000 | 0.0000 | 85.453 | 0.08704 | 0.00000 | 316523.1 | 198126.8 | 100632.1 | S |
| 121.675 | 0.0000 | 0.0000 | 85.452 | 0.08704 | 0.00000 | 316523.1 | 198129.4 | 100632.1 | S |
| 121.683 | 0.0000 | 0.0000 | 85.452 | 0.08703 | 0.00000 | 316523.1 | 198132.0 | 100632.1 | S |
| 121.692 | 0.0000 | 0.0000 | 85.452 | 0.08702 | 0.00000 | 316523.1 | 198134.6 | 100632.1 | S |
| 121.700 | 0.0000 | 0.0000 | 85.452 | 0.08701 | 0.00000 | 316523.1 | 198137.2 | 100632.1 | S |
| 121.708 | 0.0000 | 0.0000 | 85.452 | 0.08700 | 0.00000 | 316523.1 | 198139.8 | 100632.1 | S |
| 121.717 | 0.0000 | 0.0000 | 85.452 | 0.08699 | 0.00000 | 316523.1 | 198142.4 | 100632.1 | S |
| 121.725 | 0.0000 | 0.0000 | 85.451 | 0.08698 | 0.00000 | 316523.1 | 198145.0 | 100632.1 | S |
| 121.733 | 0.0000 | 0.0000 | 85.451 | 0.08697 | 0.00000 | 316523.1 | 198147.6 | 100632.1 | S |
| 121.742 | 0.0000 | 0.0000 | 85.451 | 0.08697 | 0.00000 | 316523.1 | 198150.3 | 100632.1 | S |
| 121.750 | 0.0000 | 0.0000 | 85.451 | 0.08696 | 0.00000 | 316523.1 | 198152.9 | 100632.1 | S |
| 121.758 | 0.0000 | 0.0000 | 85.451 | 0.08695 | 0.00000 | 316523.1 | 198155.5 | 100632.1 | S |
| 121.767 | 0.0000 | 0.0000 | 85.451 | 0.08694 | 0.00000 | 316523.1 | 198158.1 | 100632.1 | S |
| 121.775 | 0.0000 | 0.0000 | 85.450 | 0.08693 | 0.00000 | 316523.1 | 198160.7 | 100632.1 | S |
| 121.783 | 0.0000 | 0.0000 | 85.450 | 0.08692 | 0.00000 | 316523.1 | 198163.3 | 100632.1 | S |
| 121.792 | 0.0000 | 0.0000 | 85.450 | 0.08691 | 0.00000 | 316523.1 | 198165.9 | 100632.1 | S |
| 121.800 | 0.0000 | 0.0000 | 85.450 | 0.08690 | 0.00000 | 316523.1 | 198168.5 | 100632.1 | S |
| 121.808 | 0.0000 | 0.0000 | 85.450 | 0.08690 | 0.00000 | 316523.1 | 198171.1 | 100632.1 | S |
| 121.817 | 0.0000 | 0.0000 | 85.449 | 0.08689 | 0.00000 | 316523.1 | 198173.7 | 100632.1 | S |
| 121.825 | 0.0000 | 0.0000 | 85.449 | 0.08688 | 0.00000 | 316523.1 | 198176.3 | 100632.1 | S |
| 121.833 | 0.0000 | 0.0000 | 85.449 | 0.08687 | 0.00000 | 316523.1 | 198178.9 | 100632.1 | S |
| 121.842 | 0.0000 | 0.0000 | 85.449 | 0.08686 | 0.00000 | 316523.1 | 198181.5 | 100632.1 | S |
| 121.850 | 0.0000 | 0.0000 | 85.449 | 0.08685 | 0.00000 | 316523.1 | 198184.1 | 100632.1 | S |
| 121.858 | 0.0000 | 0.0000 | 85.449 | 0.08684 | 0.00000 | 316523.1 | 198186.8 | 100632.1 | S |
| 121.867 | 0.0000 | 0.0000 | 85.448 | 0.08684 | 0.00000 | 316523.1 | 198189.4 | 100632.1 | S |
| 121.875 | 0.0000 | 0.0000 | 85.448 | 0.08683 | 0.00000 | 316523.1 | 198192.0 | 100632.1 | S |
| 121.883 | 0.0000 | 0.0000 | 85.448 | 0.08682 | 0.00000 | 316523.1 | 198194.6 | 100632.1 | S |
| 121.892 | 0.0000 | 0.0000 | 85.448 | 0.08681 | 0.00000 | 316523.1 | 198197.2 | 100632.1 | S |
| 121.900 | 0.0000 | 0.0000 | 85.448 | 0.08680 | 0.00000 | 316523.1 | 198199.8 | 100632.1 | S |
| 121.908 | 0.0000 | 0.0000 | 85.448 | 0.08679 | 0.00000 | 316523.1 | 198202.4 | 100632.1 | S |
| 121.917 | 0.0000 | 0.0000 | 85.447 | 0.08678 | 0.00000 | 316523.1 | 198205.0 | 100632.1 | S |
| 121.925 | 0.0000 | 0.0000 | 85.447 | 0.08677 | 0.00000 | 316523.1 | 198207.6 | 100632.1 | S |
| 121.933 | 0.0000 | 0.0000 | 85.447 | 0.08677 | 0.00000 | 316523.1 | 198210.2 | 100632.1 | S |
| 121.942 | 0.0000 | 0.0000 | 85.447 | 0.08676 | 0.00000 | 316523.1 | 198212.8 | 100632.1 | S |
| 121.950 | 0.0000 | 0.0000 | 85.447 | 0.08675 | 0.00000 | 316523.1 | 198215.4 | 100632.1 | S |
| 121.958 | 0.0000 | 0.0000 | 85.446 | 0.08674 | 0.00000 | 316523.1 | 198218.0 | 100632.1 | S |
| 121.967 | 0.0000 | 0.0000 | 85.446 | 0.08673 | 0.00000 | 316523.1 | 198220.6 | 100632.1 | S |
| 121.975 | 0.0000 | 0.0000 | 85.446 | 0.08672 | 0.00000 | 316523.1 | 198223.2 | 100632.1 | S |
| 121.983 | 0.0000 | 0.0000 | 85.446 | 0.08671 | 0.00000 | 316523.1 | 198225.8 | 100632.1 | S |
| 121.992 | 0.0000 | 0.0000 | 85.446 | 0.08670 | 0.00000 | 316523.1 | 198228.4 | 100632.1 | S |
| 122.000 | 0.0000 | 0.0000 | 85.446 | 0.08670 | 0.00000 | 316523.1 | 198231.0 | 100632.1 | S |
| 122.008 | 0.0000 | 0.0000 | 85.445 | 0.08669 | 0.00000 | 316523.1 | 198233.6 | 100632.1 | S |
| 122.017 | 0.0000 | 0.0000 | 85.445 | 0.08668 | 0.00000 | 316523.1 | 198236.2 | 100632.1 | S |
| 122.025 | 0.0000 | 0.0000 | 85.445 | 0.08667 | 0.00000 | 316523.1 | 198238.8 | 100632.1 | S |
| 122.033 | 0.0000 | 0.0000 | 85.445 | 0.08666 | 0.00000 | 316523. $\ddagger$ | 198241.4 | 100632.1 | S |
| 122.042 | 0.0000 | 0.0000 | 85.445 | 0.08665 | 0.00000 | 316523.1 | 198244.0 | 100632.1 | S |
| 122.050 | 0.0000 | 0.0000 | 85.445 | 0.08664 | 0.00000 | 316523.1 | 198246.6 | 100632.1 | S |
| 122.058 | 0.0000 | 0.0000 | 85.444 | 0.08664 | 0.00000 | 316523.1 | 198249.2 | 100632.1 | S |
| 122.067 | 0.0000 | 0.0000 | 85.444 | 0.08663 | 0.00000 | 316523.1 | 198251.8 | 100632.1 | S |
| 122.075 | 0.0000 | 0.0000 | 85.444 | 0.08662 | 0.00000 | 316523.1 | 198254.4 | 100632.1 | S |
| 122.083 | 0.0000 | 0.0000 | 85.444 | 0.08661 | 0.00000 | 316523.1 | 198257.0 | 100632.1 | S |
| 122.092 | 0.0000 | 0.0000 | 85.444 | 0.08660 | 0.00000 | 316523.1 | 198259.6 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (H/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / 1 / 5 \text { ) }) ~}$ | Cumulative Inflow <br> Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infilisation Volume ( $\mathrm{t}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 122.100 | 0.0000 | 0.0000 | 85.443 | 0.08659 | 0.00000 | 316523.1 | 198262.2 | 100632.1 | S |
| 122.108 | 0.0000 | 0.0000 | 85.443 | 0.08658 | 0.00000 | 316523.1 | 198264.8 | 100632.1 | S |
| 122.117 | 0.0000 | 0.0000 | 85.443 | 0.08657 | 0.00000 | 316523.1 | 198267.4 | 100632.1 | S |
| 122.125 | 0.0000 | 0.0000 | 85.443 | 0.08657 | 0.00000 | 316523.1 | 198270.0 | 100632.1 | S |
| 122.133 | 0.0000 | 0.0000 | 85.443 | 0.08656 | 0.00000 | 316523.1 | 198272.6 | 100632.1 | S |
| 122.142 | 0.0000 | 0.0000 | 85.443 | 0.08655 | 0.00000 | 316523.1 | 198275.2 | 100632.1 | S |
| 122.150 | 0.0000 | 0.0000 | 85.442 | 0.08654 | 0.00000 | 316523.1 | 198277.8 | 100632.1 | S |
| 122.158 | 0.0000 | 0.0000 | 85.442 | 0.08653 | 0.00000 | 316523.1 | 198280.4 | 100632.1 | S |
| 122.167 | 0.0000 | 0.0000 | 85.442 | 0.08652 | 0.00000 | 316523.1 | 198283.0 | 100632.1 | S |
| 122.175 | 0.0000 | 0.0000 | 85.442 | 0.08651 | 0.00000 | 316523.1 | 198285.6 | 100632.1 | S |
| 122.183 | 0.0000 | 0.0000 | 85.442 | 0.08651 | 0.00000 | 316523.1 | 198288.2 | 100632.1 | S |
| 122.192 | 0.0000 | 0.0000 | 85.442 | 0.08650 | 0.00000 | 316523.1 | 198290.8 | 100632.1 | S |
| 122.200 | 0.0000 | 0.0000 | 85.441 | 0.08649 | 0.00000 | 316523.1 | 198293.4 | 100632.1 | S |
| 122.208 | 0.0000 | 0.0000 | 85.441 | 0.08648 | 0.00000 | 316523.1 | 198296.0 | 100632.1 | S |
| 122.217 | 0.0000 | 0.0000 | 85.441 | 0.08647 | 0.00000 | 316523.1 | 198298.5 | 100632.1 | S |
| 122.225 | 0.0000 | 0.0000 | 85.441 | 0.08646 | 0.00000 | 316523.1 | 198301.1 | 100632.1 | S |
| 122.233 | 0.0000 | 0.0000 | 85.441 | 0.08645 | 0.00000 | 316523.1 | 198303.7 | 100632.1 | S |
| 122.242 | 0.0000 | 0.0000 | 85.440 | 0.08645 | 0.00000 | 316523.1 | 198306.3 | 100632.1 | S |
| 122.250 | 0.0000 | 0.0000 | 85.440 | 0.08644 | 0.00000 | 316523.1 | 198308.9 | 100632.1 | S |
| 122.258 | 0.0000 | 0.0000 | 85.440 | 0.08643 | 0.00000 | 316523.1 | 198311.5 | 100632.1 | S |
| 122.267 | 0.0000 | 0.0000 | 85.440 | 0.08642 | 0.00000 | 316523.1 | 198314.1 | 100632.1 | S |
| 122.275 | 0.0000 | 0.0000 | 85.440 | 0.08641 | 0.00000 | 316523.1 | 198316.7 | 100632.1 | S |
| 122.283 | 0.0000 | 0.0000 | 85.440 | 0.08640 | 0.00000 | 316523.1 | 198319.3 | 100632.1 | S |
| 122.292 | 0.0000 | 0.0000 | 85.439 | 0.08639 | 0.00000 | 316523.1 | 198321.9 | 100632.1 | S |
| 122.300 | 0.0000 | 0.0000 | 85.439 | 0.08638 | 0.00000 | 316523.1 | 198324.5 | 100632.1 | S |
| 122.308 | 0.0000 | 0.0000 | 85.439 | 0.08638 | 0.00000 | 316523.1 | 198327.1 | 100632.1 | S |
| 122.317 | 0.0000 | 0.0000 | 85.439 | 0.08637 | 0.00000 | 316523.1 | 198329.7 | 100632.1 | S |
| 122.325 | 0.0000 | 0.0000 | 85.439 | 0.08636 | 0.00000 | 316523.1 | 198332.3 | 100632.1 | S |
| 122.333 | 0.0000 | 0.0000 | 85.439 | 0.08635 | 0.00000 | 316523.1 | 198334.8 | 100632.1 | S |
| 122.342 | 0.0000 | 0.0000 | 85.438 | 0.08634 | 0.00000 | 316523.1 | 198337.4 | 100632.1 | S |
| 122.350 | 0.0000 | 0.0000 | 85.438 | 0.08633 | 0.00000 | 316523.1 | 198340.0 | 100632.1 | S |
| 122.358 | 0.0000 | 0.0000 | 85.438 | 0.08632 | 0.00000 | 316523.1 | 198342.6 | 100632.1 | S |
| 122.367 | 0.0000 | 0.0000 | 85.438 | 0.08632 | 0.00000 | 316523.1 | 198345.2 | 100632.1 | S |
| 122.375 | 0.0000 | 0.0000 | 85.438 | 0.08631 | 0.00000 | 316523.1 | 198347.8 | 100632.1 | S |
| 122.383 | 0.0000 | 0.0000 | 85.437 | 0.08630 | 0.00000 | 316523.1 | 198350.4 | 100632.1 | S |
| 122.392 | 0.0000 | 0.0000 | 85.437 | 0.08629 | 0.00000 | 316523.1 | 198353.0 | 100632.1 | S |
| 122.400 | 0.0000 | 0.0000 | 85.437 | 0.08628 | 0.00000 | 316523.1 | 198355.5 | 100632.1 | S |
| 122.408 | 0.0000 | 0.0000 | 85.437 | 0.08627 | 0.00000 | 316523.1 | 198358.1 | 100632.1 | S |
| 122.417 | 0.0000 | 0.0000 | 85.437 | 0.08626 | 0.00000 | 316523.1 | 198360.7 | 100632.1 | S |
| 122.425 | 0.0000 | 0.0000 | 85.437 | 0.08626 | 0.00000 | 316523.1 | 198363.3 | 100632.1 | S |
| 122.433 | 0.0000 | 0.0000 | 85.436 | 0.08625 | 0.00000 | 316523.1 | 198365.9 | 100632.1 | S |
| 122.442 | 0.0000 | 0.0000 | 85.436 | 0.08624 | 0.00000 | 316523.1 | 198368.5 | 100632.1 | S |
| 122.450 | 0.0000 | 0.0000 | 85.436 | 0.08623 | 0.00000 | 316523.1 | 198371.1 | 100632.4 | S |
| 122.458 | 0.0000 | 0.0000 | 85.436 | 0.08622 | 0.00000 | 316523.1 | 198373.7 | 100632.1 | S |
| 122.467 | 0.0000 | 0.0000 | 85.436 | 0.08621 | 0.00000 | 316523.1 | 198376.3 | 100632.1 | S |
| 122.475 | 0.0000 | 0.0000 | 85.436 | 0.08620 | 0.00000 | 316523.1 | 198378.8 | 100632.4 | S |
| 122.483 | 0.0000 | 0.0000 | 85.435 | 0.08620 | 0.00000 | 316523.1 | 198381.4 | 100632.1 | S |
| 122.492 | 0.0000 | 0.0000 | 85.435 | 0.08619 | 0.00000 | 316523.1 | 198384.0 | 100632.1 | S |
| 122.500 | 0.0000 | 0.0000 | 85.435 | 0.08618 | 0.00000 | 316523.1 | 198386.6 | 100632.1 | S |
| 122.508 | 0.0000 | 0.0000 | 85.435 | 0.08617 | 0.00000 | 316523.1 | 198389.2 | 100632.1 | S |
| 122.517 | 0.0000 | 0.0000 | 85.435 | 0.08616 | 0.00000 | 316523.1 | 198391.8 | 100632.1 | S |
| 122.525 | 0.0000 | 0.0000 | 85.434 | 0.08615 | 0.00000 | 316523.1 | 198394.3 | 100632.1 | S |
| 122.533 | 0.0000 | 0.0000 | 85.434 | 0.08614 | 0.00000 | 316523.1 | 198396.9 | 100632.1 | S |
| 122.542 | 0.0000 | 0.0000 | 85.434 | 0.08613 | 0.00000 | 316523.1 | 198399.5 | 100632.1 | S |
| 122.550 | 0.0000 | 0.0000 | 85.434 | 0.08613 | 0.00000 | 316523.1 | 198402.1 | 100632.1 | S |
| 122.558 | 0.0000 | 0.0000 | 85.434 | 0.08612 | 0.00000 | 316523.1 | 198404.7 | 100632.1 | S |
| 122.567 | 0.0000 | 0.0000 | 85.434 | 0.08611 | 0.00000 | 376523.1 | 198407.3 | 100632.1 | S |
| 122.575 | 0.0000 | 0.0000 | 85.433 | 0.08610 | 0.00000 | 316523.1 | 198409.8 | 100632.1 | S |
| 122.583 | 0.0000 | 0.0000 | 85.433 | 0.08609 | 0.00000 | 316523.1 | 198412.4 | 100632.1 | S |
| 122.592 | 0.0000 | 0.0000 | 85.433 | 0.08608 | 0.00000 | 316523.1 | 198415.0 | 100632.1 | S |
| 122.600 | 0.0000 | 0.0000 | 85.433 | 0.08607 | 0.00000 | 316523.1 | 198417.6 | 100632.1 | S |
| 122.608 | 0.0000 | 0.0000 | 85.433 | 0.08607 | 0.00000 | 316523.1 | 198420.2 | 100632.1 | S |
| 122.617 | 0.0000 | 0.0000 | 85.433 | 0.08606 | 0.00000 | 316523.1 | 198422.8 | 100632.1 | S |
| 122.625 | 0.0000 | 0.0000 | 85.432 | 0.08605 | 0.00000 | 316523.1 | 198425.3 | 100632.1 | S |
| \$22.633 | 0.0000 | 0.0000 | 85.432 | 0.08604 | 0.00000 | 316523.1 | 198427.9 | 100632.1 | S |
| \$22.642 | 0.0000 | 0.0000 | 85.432 | 0.08603 | 0.00000 | 316523.1 | 198430.5 | 100632.1 | S |
| 122.650 | 0.0000 | 0.0000 | 85.432 | 0.08602 | 0.00000 | 316523.1 | 198433.1 | 100632.1 | S |
| 122.658 | 0.0000 | 0.0000 | 85.432 | 0.08601 | 0.00000 | 316523.1 | 198435.7 | 100632.1 | S |
| 122.667 | 0.0000 | 0.0000 | 85.432 | 0.08601 | 0.00000 | 316523.1 | 198438.3 | 100632.1 | S |
| 122.675 | 0.0000 | 0.0000 | 85.431 | 0.08600 | 0.00000 | 316523.1 | 198440.8 | 100632.1 | S |
| 122.683 | 0.0000 | 0.0000 | 85.431 | 0.08599 | 0.00000 | 316523.1 | 198443.4 | 100632.1 | S |
| 122.692 | 0.0000 | 0.0000 | 85.431 | 0.08598 | 0.00000 | 316523.1 | 198446.0 | 100632.1 | S |
| 122.700 | 0.0000 | 0.0000 | 85.431 | 0.08597 | 0.00000 | 316523.1 | 198448.6 | 100632.1 | S |
| 122.708 | 0.0000 | 0.0000 | 85.431 | 0.08596 | 0.00000 | 316523.1 | 198451.1 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (fl/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{t}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 122.717 | 0.0000 | 0.0000 | 85.430 | 0.08595 | 0.00000 | 316523.1 | 198453.7 | 100632.1 | S |
| 122.725 | 0.0000 | 0.0000 | 85.430 | 0.08595 | 0.00000 | 316523.1 | 198456.3 | 100632.1 | S |
| 122.733 | 0.0000 | 0.0000 | 85.430 | 0.08594 | 0.00000 | 316523.1 | 198458.9 | 100632.1 | S |
| 122.742 | 0.0000 | 0.0000 | 85.430 | 0.08593 | 0.00000 | 316523.1 | 198461.5 | 100632.1 | S |
| 122.750 | 0.0000 | 0.0000 | 85.430 | 0.08592 | 0.00000 | 316523.1 | 198464.0 | 100632.1 | S |
| 122.758 | 0.0000 | 0.0000 | 85.430 | 0.08591 | 0.00000 | 316523.1 | 198466.6 | 100632.1 | S |
| 122.767 | 0.0000 | 0.0000 | 85.429 | 0.08590 | 0.00000 | 316523.1 | 198469.2 | 100632.1 | S |
| 122.775 | 0.0000 | 0.0000 | 85.429 | 0.08589 | 0.00000 | 316523.1 | 198471.8 | 100632.1 | S |
| 122.783 | 0.0000 | 0.0000 | 85.429 | 0.08589 | 0.00000 | 316523.1 | 198474.3 | 100632.1 | S |
| 122.792 | 0.0000 | 0.0000 | 85.429 | 0.08588 | 0.00000 | 316523.1 | 198476.9 | 100632.1 | S |
| 122.800 | 0.0000 | 0.0000 | 85.429 | 0.08587 | 0.00000 | 316523.1 | 198479.5 | 100632.1 | S |
| 122.808 | 0.0000 | 0.0000 | 85.429 | 0.08586 | 0.00000 | 316523.1 | 198482.1 | 100632.1 | S |
| 122.817 | 0.0000 | 0.0000 | 85.428 | 0.08585 | 0.00000 | 316523.1 | 198484.7 | 100632.1 | S |
| 122.825 | 0.0000 | 0.0000 | 85.428 | 0.08584 | 0.00000 | 316523.1 | 198487.2 | 100632.1 | S |
| 122.833 | 0.0000 | 0.0000 | 85.428 | 0.08583 | 0.00000 | 316523.1 | 198489.8 | 100632.1 | S |
| 122.842 | 0.0000 | 0.0000 | 85.428 | 0.08583 | 0.00000 | 316523.1 | 198492.4 | 100632.1 | S |
| 122.850 | 0.0000 | 0.0000 | 85.428 | 0.08582 | 0.00000 | 316523.1 | 198495.0 | 100632.1 | S |
| 122.858 | 0.0000 | 0.0000 | 85.427 | 0.08581 | 0.00000 | 316523.1 | 198497.5 | 100632.1 | S |
| 122.867 | 0.0000 | 0.0000 | 85.427 | 0.08580 | 0.00000 | 316523.1 | 198500.1 | 100632.1 | S |
| 122.875 | 0.0000 | 0.0000 | 85.427 | 0.08579 | 0.00000 | 316523.1 | 198502.7 | 100632.1 | S |
| 122.883 | 0.0000 | 0.0000 | 85.427 | 0.08578 | 0.00000 | 316523.1 | 198505.3 | 100632.1 | S |
| 122.892 | 0.0000 | 0.0000 | 85.427 | 0.08578 | 0.00000 | 316523.1 | 198507.8 | 100632.1 | S |
| 122.900 | 0.0000 | 0.0000 | 85.427 | 0.08577 | 0.00000 | 316523.1 | 198510.4 | 100632.1 | S |
| 122.908 | 0.0000 | 0.0000 | 85.426 | 0.08576 | 0.00000 | 316523.1 | 198513.0 | 100632.1 | S |
| 122.917 | 0.0000 | 0.0000 | 85.426 | 0.08575 | 0.00000 | 316523.1 | 198515.5 | 100632.1 | S |
| 122.925 | 0.0000 | 0.0000 | 85.426 | 0.08574 | 0.00000 | 316523.1 | 198518.1 | 100632.1 | S |
| 122.933 | 0.0000 | 0.0000 | 85.426 | 0.08573 | 0.00000 | 316523.1 | 198520.7 | 100632.1 | S |
| 122.942 | 0.0000 | 0.0000 | 85.426 | 0.08572 | 0.00000 | 316523.1 | 198523.3 | 100632.1 | S |
| 122.950 | 0.0000 | 0.0000 | 85.426 | 0.08572 | 0.00000 | 316523.1 | 198525.8 | 100632.1 | S |
| 122.958 | 0.0000 | 0.0000 | 85.425 | 0.08571 | 0.00000 | 316523.1 | 198528.4 | 100632.1 | S |
| 122.967 | 0.0000 | 0.0000 | 85.425 | 0.08570 | 0.00000 | 316523.1 | 198531.0 | 100632.1 | S |
| 122.975 | 0.0000 | 0.0000 | 85.425 | 0.08569 | 0.00000 | 316523.1 | 198533.5 | 100632.1 | S |
| 122.983 | 0.0000 | 0.0000 | 85.425 | 0.08568 | 0.00000 | 316523.1 | 198536.1 | 100632.1 | S |
| 122.992 | 0.0000 | 0.0000 | 85.425 | 0.08567 | 0.00000 | 316523.1 | 198538.7 | 100632.1 | S |
| 123.000 | 0.0000 | 0.0000 | 85.424 | 0.08566 | 0.00000 | 316523.1 | 198541.3 | 100632.1 | S |
| 123.008 | 0.0000 | 0.0000 | 85.424 | 0.08566 | 0.00000 | 316523.1 | 198543.8 | 100632.1 | S |
| 123.017 | 0.0000 | 0.0000 | 85.424 | 0.08565 | 0.00000 | 316523.1 | 198546.4 | 100632.1 | S |
| 123.025 | 0.0000 | 0.0000 | 85.424 | 0.08564 | 0.00000 | 316523.1 | 198549.0 | 100632.1 | S |
| 123.033 | 0.0000 | 0.0000 | 85.424 | 0.08563 | 0.00000 | 316523.1 | 198551.5 | 100632.1 | S |
| 123.042 | 0.0000 | 0.0000 | 85.424 | 0.08562 | 0.00000 | 316523.1 | 198554.1 | 100632.1 | S |
| 123.050 | 0.0000 | 0.0000 | 85.423 | 0.08561 | 0.00000 | 316523.1 | 198556.7 | 100632.1 | S |
| 123.058 | 0.0000 | 0.0000 | 85.423 | 0.08560 | 0.00000 | 316523.1 | 198559.2 | 100632.1 | S |
| 123.067 | 0.0000 | 0.0000 | 85.423 | 0.08560 | 0.00000 | 316523.1 | 198561.8 | 100632.1 | S |
| 123.075 | 0.0000 | 0.0000 | 85.423 | 0.08559 | 0.00000 | 316523.1 | 198564.4 | 100632.1 | S |
| 123.083 | 0.0000 | 0.0000 | 85.423 | 0.08558 | 0.00000 | 316523.1 | 198566.9 | 100632.1 | S |
| 123.092 | 0.0000 | 0.0000 | 85.423 | 0.08557 | 0.00000 | 316523.1 | 198569.5 | 100632.1 | S |
| 123.100 | 0.0000 | 0.0000 | 85.422 | 0.08556 | 0.00000 | 316523.1 | 198572.1 | 100632.1 | S |
| 123.108 | 0.0000 | 0.0000 | 85.422 | 0.08555 | 0.00000 | 316523.1 | 198574.6 | 100632.1 | S |
| 123.117 | 0.0000 | 0.0000 | 85.422 | 0.08554 | 0.00000 | 316523.1 | 198577.2 | 100632.1 | S |
| 123.125 | 0.0000 | 0.0000 | 85.422 | 0.08554 | 0.00000 | 316523.1 | 198579.8 | 100632.1 | S |
| 123.133 | 0.0000 | 0.0000 | 85.422 | 0.08553 | 0.00000 | 316523.1 | 198582.3 | 100632.1 | S |
| 123.142 | 0.0000 | 0.0000 | 85.422 | 0.08552 | 0.00000 | 316523.1 | 198584.9 | 100632.1 | S |
| 123.150 | 0.0000 | 0.0000 | 85.421 | 0.08551 | 0.00000 | 316523.1 | 198587.5 | 100632.1 | S |
| 123.158 | 0.0000 | 0.0000 | 85.421 | 0.08550 | 0.00000 | 316523.1 | 198590.0 | 100632.1 | S |
| 123.167 | 0.0000 | 0.0000 | 85.421 | 0.08549 | 0.00000 | 316523.1 | 198592.6 | 100632.1 | S |
| 123.175 | 0.0000 | 0.0000 | 85.421 | 0.08549 | 0.00000 | 316523.1 | 198595.2 | 100632.1 | S |
| 123.183 | 0.0000 | 0.0000 | 85.421 | 0.08548 | 0.00000 | 316523.1 | 198597.7 | 100632.1 | S |
| 123.192 | 0.0000 | 0.0000 | 85.420 | 0.08547 | 0.00000 | 316523.1 | 198600.3 | 100632.1 | S |
| 123.200 | 0.0000 | 0.0000 | 85.420 | 0.08546 | 0.00000 | 316523.1 | 198602.9 | 100632.1 | S |
| 123.208 | 0.0000 | 0.0000 | 85.420 | 0.08545 | 0.00000 | 316523.1 | 198605.4 | 100632.1 | S |
| 123.217 | 0.0000 | 0.0000 | 85.420 | 0.08544 | 0.00000 | 316523.1 | 198608.0 | 100632.1 | S |
| 123.225 | 0.0000 | 0.0000 | 85.420 | 0.08543 | 0.00000 | 316523.1 | 198610.5 | 100632.1 | S |
| 123.233 | 0.0000 | 0.0000 | 85.420 | 0.08543 | 0.00000 | 316523.1 | 198613.1 | 100632.1 | S |
| 123.242 | 0.0000 | 0.0000 | 85.419 | 0.08542 | 0.00000 | 316523.1 | 198615.7 | 100632.1 | S |
| 123.250 | 0.0000 | 0.0000 | 85.419 | 0.08541 | 0.00000 | 316523.1 | 198618.2 | 100632.1 | S |
| 123.258 | 0.0000 | 0.0000 | 85.419 | 0.08540 | 0.00000 | 316523.1 | 198620.8 | 100632.1 | S |
| 123.267 | 0.0000 | 0.0000 | 85.419 | 0.08539 | 0.00000 | 316523.1 | 198623.4 | 100632.1 | S |
| 123.275 | 0.0000 | 0.0000 | 85.419 | 0.08538 | 0.00000 | 316523.1 | 198625.9 | 100632.1 | S |
| 123.283 | 0.0000 | 0.0000 | 85.419 | 0.08537 | 0.00000 | 316523.1 | 198628.5 | 100632.1 | S |
| 123.292 | 0.0000 | 0.0000 | 85.418 | 0.08537 | 0.00000 | 316523.1 | 198631.0 | 100632.1 | S |
| 123.300 | 0.0000 | 0.0000 | 85.418 | 0.08536 | 0.00000 | 316523.1 | 198633.6 | 100632.1 | S |
| 123.308 | 0.0000 | 0.0000 | 85.418 | 0.08535 | 0.00000 | 316523.1 | 198636.2 | 100632.4 | S |
| $\uparrow 23.317$ | 0.0000 | 0.0000 | 85.418 | 0.08534 | 0.00000 | 316523.1 | 198638.7 | 100632.1 | S |
| 123.325 | 0.0000 | 0.0000 | 85.418 | 0.08533 | 0.00000 | 316523.1 | 198641.3 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (fl/day) | Stage Elevation (H datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | $\begin{aligned} & \text { Cumulative } \\ & \text { Inflow } \\ & \text { Volume }\left(\mathrm{ff}^{3}\right) \end{aligned}$ | Cumulative infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | $\begin{aligned} & \text { Flow } \\ & \text { Type } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 123.333 | 0.0000 | 0.0000 | 85.418 | 0.08532 | 0.00000 | 316523.1 | 198643.8 | 100632.1 | S |
| 123.342 | 0.0000 | 0.0000 | 85.417 | 0.08532 | 0.00000 | 316523.1 | 198646.4 | 100632.1 | S |
| 123.350 | 0.0000 | 0.0000 | 85.417 | 0.08531 | 0.00000 | 316523.1 | 198649.0 | 100632.1 | S |
| 123.358 | 0.0000 | 0.0000 | 85.417 | 0.08530 | 0.00000 | 316523.1 | 198651.5 | 100632.1 | S |
| 123.367 | 0.0000 | 0.0000 | 85.417 | 0.08529 | 0.00000 | 316523.1 | 198654.1 | 700632.1 | S |
| 123.375 | 0.0000 | 0.0000 | 85.417 | 0.08528 | 0.00000 | 316523.1 | 198656.6 | 100632.1 | S |
| 123.383 | 0.0000 | 0.0000 | 85.416 | 0.08527 | 0.00000 | 316523.1 | 198659.2 | 100632.1 | S |
| 123.392 | 0.0000 | 0.0000 | 85.416 | 0.08526 | 0.00000 | 316523.1 | $\ddagger 98661.8$ | 100632.1 | S |
| 123.400 | 0.0000 | 0.0000 | 85.416 | 0.08526 | 0.00000 | 316523.1 | 198664.3 | 100632.1 | S |
| 123.408 | 0.0000 | 0.0000 | 85.416 | 0.08525 | 0.00000 | 316523.1 | 198666.9 | 100632.1 | S |
| 123.417 | 0.0000 | 0.0000 | 85.416 | 0.08524 | 0.00000 | 316523.1 | 198669.4 | 100632.1 | S |
| 123.425 | 0.0000 | 0.0000 | 85.416 | 0.08523 | 0.00000 | 316523.1 | 198672.0 | 100632.1 | S |
| 123.433 | 0.0000 | 0.0000 | 85.415 | 0.08522 | 0.00000 | 316523.1 | 198674.5 | 100632.1 | S |
| 123.442 | 0.0000 | 0.0000 | 85.415 | 0.08521 | 0.00000 | 316523.1 | 198677.1 | 100632.1 | S |
| 123.450 | 0.0000 | 0.0000 | 85.415 | 0.08521 | 0.00000 | 316523.1 | 198679.7 | 100632.1 | S |
| 123.458 | 0.0000 | 0.0000 | 85.415 | 0.08520 | 0.00000 | 316523.1 | 198682.2 | 100632.1 | S |
| 123.467 | 0.0000 | 0.0000 | 85.415 | 0.08519 | 0.00000 | 316523.1 | 198684.8 | 100632.1 | S |
| 123.475 | 0.0000 | 0.0000 | 85.415 | 0.08518 | 0.00000 | 316523.1 | 198687.3 | 100632.1 | S |
| 123.483 | 0.0000 | 0.0000 | 85.414 | 0.08517 | 0.00000 | 316523.1 | 198689.9 | 100632.1 | S |
| 123.492 | 0.0000 | 0.0000 | 85.414 | 0.08516 | 0.00000 | 316523.1 | 198692.4 | 100632.1 | S |
| 123.500 | 0.0000 | 0.0000 | 85.414 | 0.08515 | 0.00000 | 316523.1 | 198695.0 | 100632.1 | S |
| 123.508 | 0.0000 | 0.0000 | 85.414 | 0.08515 | 0.00000 | 316523.1 | 198697.5 | 100632.1 | S |
| 123.517 | 0.0000 | 0.0000 | 85.414 | 0.08514 | 0.00000 | 316523.1 | 198700.1 | 100632.1 | S |
| 123.525 | 0.0000 | 0.0000 | 85.413 | 0.08513 | 0.00000 | 316523.1 | 198702.6 | 100632.1 | S |
| 123.533 | 0.0000 | 0.0000 | 85.413 | 0.08512 | 0.00000 | 316523.1 | 198705.2 | 100632.1 | S |
| 123.542 | 0.0000 | 0.0000 | 85.413 | 0.08511 | 0.00000 | 316523.1 | 198707.8 | 100632.1 | S |
| 123.550 | 0.0000 | 0.0000 | 85.413 | 0.08510 | 0.00000 | 316523.1 | 198710.3 | 100632.1 | S |
| 123.558 | 0.0000 | 0.0000 | 85.413 | 0.08510 | 0.00000 | 316523.1 | 198712.9 | 100632.1 | S |
| 123.567 | 0.0000 | 0.0000 | 85.413 | 0.08509 | 0.00000 | 316523.1 | 198715.4 | 100632.1 | S |
| 123.575 | 0.0000 | 0.0000 | 85.412 | 0.08508 | 0.00000 | 316523.1 | 198718.0 | 100632.1 | S |
| 123.583 | 0.0000 | 0.0000 | 85.412 | 0.08507 | 0.00000 | 316523.1 | 198720.5 | 100632.1 | S |
| 123.592 | 0.0000 | 0.0000 | 85.412 | 0.08506 | 0.00000 | 316523.1 | 198723.1 | 100632.1 | S |
| 123.600 | 0.0000 | 0.0000 | 85.412 | 0.08505 | 0.00000 | 316523.1 | 198725.6 | 100632.1 | S |
| 123.608 | 0.0000 | 0.0000 | 85.412 | 0.08504 | 0.00000 | 316523.1 | 198728.2 | 100632.1 | S |
| 123.617 | 0.0000 | 0.0000 | 85.412 | 0.08504 | 0.00000 | 316523.1 | 198730.7 | 100632.1 | S |
| 123.625 | 0.0000 | 0.0000 | 85.411 | 0.08503 | 0.00000 | 316523.1 | 198733.3 | 100632.1 | S |
| 123.633 | 0.0000 | 0.0000 | 85.411 | 0.08502 | 0.00000 | 316523.1 | 198735.8 | 100632.1 | S |
| 123.642 | 0.0000 | 0.0000 | 85.411 | 0.08501 | 0.00000 | 316523.1 | 198738.4 | 100632.1 | S |
| 123.650 | 0.0000 | 0.0000 | 85.411 | 0.08500 | 0.00000 | 316523.1 | 198740.9 | 100632.1 | S |
| 123.658 | 0.0000 | 0.0000 | 85.411 | 0.08499 | 0.00000 | 316523.1 | 198743.5 | 100632.1 | S |
| 123.667 | 0.0000 | 0.0000 | 85.411 | 0.08499 | 0.00000 | 316523.1 | 198746.0 | 100632.1 | S |
| 123.675 | 0.0000 | 0.0000 | 85.410 | 0.08498 | 0.00000 | 316523.1 | 198748.6 | 100632.1 | S |
| 123.683 | 0.0000 | 0.0000 | 85.410 | 0.08497 | 0.00000 | 316523.1 | 198751.1 | 100632.1 | S |
| 123.692 | 0.0000 | 0.0000 | 85.410 | 0.08496 | 0.00000 | 316523.1 | 198753.7 | 100632.1 | S |
| 123.700 | 0.0000 | 0.0000 | 85.410 | 0.08495 | 0.00000 | 316523.1 | 198756.2 | 100632.1 | S |
| 123.708 | 0.0000 | 0.0000 | 85.410 | 0.08494 | 0.00000 | 316523.1 | 198758.8 | 100632.1 | S |
| 123.717 | 0.0000 | 0.0000 | 85.409 | 0.08494 | 0.00000 | 316523.1 | 198761.3 | 100632.1 | S |
| 123.725 | 0.0000 | 0.0000 | 85.409 | 0.08493 | 0.00000 | 316523.1 | 198763.9 | 100632.1 | S |
| $\{23.733$ | 0.0000 | 0.0000 | 85.409 | 0.08492 | 0.00000 | 316523.1 | 198766.4 | 100632.1 | S |
| 123.742 | 0.0000 | 0.0000 | 85.409 | 0.08491 | 0.00000 | 316523.1 | 198769.0 | 100632.1 | S |
| 123.750 | 0.0000 | 0.0000 | 85.409 | 0.08490 | 0.00000 | 316523.1 | 198771.5 | 100632.1 | S |
| 123.758 | 0.0000 | 0.0000 | 85.409 | 0.08489 | 0.00000 | 316523.1 | 198774.1 | 100632.1 | S |
| 123.767 | 0.0000 | 0.0000 | 85.408 | 0.08488 | 0.00000 | 316523.1 | 198776.6 | 100632.1 | S |
| 123.775 | 0.0000 | 0.0000 | 85.408 | 0.08488 | 0.00000 | 316523.1 | 198779.2 | 100632.1 | S |
| 123.783 | 0.0000 | 0.0000 | 85.408 | 0.08487 | 0.00000 | 316523.1 | 198781.7 | 100632.1 | S |
| 123.792 | 0.0000 | 0.0000 | 85.408 | 0.08486 | 0.00000 | 316523.1 | 198784.3 | 100632.1 | S |
| 123.800 | 0.0000 | 0.0000 | 85.408 | 0.08485 | 0.00000 | 316523.1 | 198786.8 | 100632.1 | S |
| 123.808 | 0.0000 | 0.0000 | 85.408 | 0.08484 | 0.00000 | 316523.1 | 198789.3 | 100632.1 | S |
| 123.817 | 0.0000 | 0.0000 | 85.407 | 0.08483 | 0.00000 | 316523.1 | 198791.9 | 100632.1 | S |
| 123.825 | 0.0000 | 0.0000 | 85.407 | 0.08483 | 0.00000 | 316523.1 | 198794.4 | 100632.1 | S |
| 123.833 | 0.0000 | 0.0000 | 85.407 | 0.08482 | 0.00000 | 316523.1 | 198797.0 | 100632.1 | S |
| 123.842 | 0.0000 | 0.0000 | 85.407 | 0.08481 | 0.00000 | 316523.1 | 198799.5 | 100632.1 | S |
| 123.850 | 0.0000 | 0.0000 | 85.407 | 0.08480 | 0.00000 | 316523.1 | 198802.1 | 100632.1 | S |
| 123.858 | 0.0000 | 0.0000 | 85.407 | 0.08479 | 0.00000 | 316523.1 | 198804.6 | 100632.1 | S |
| 123.867 | 0.0000 | 0.0000 | 85.406 | 0.08478 | 0.00000 | 316523.1 | 198807.1 | 100632.1 | S |
| 123.875 | 0.0000 | 0.0000 | 85.406 | 0.08478 | 0.00000 | 316523.1 | 198809.7 | $100632 . \ddagger$ | S |
| 123.883 | 0.0000 | 0.0000 | 85.406 | 0.08477 | 0.00000 | 316523.1 | 198812.2 | 100632.1 | S |
| 123.892 | 0.0000 | 0.0000 | 85.406 | 0.08476 | 0.00000 | 316523.1 | 198814.8 | 100632.1 | S |
| 123.900 | 0.0000 | 0.0000 | 85.406 | 0.08475 | 0.00000 | 316523.1 | 198817.3 | 100632.1 | S |
| 123.908 | 0.0000 | 0.0000 | 85.405 | 0.08474 | 0.00000 | 316523.1 | 198819.9 | 100632.1 | S |
| 123.917 | 0.0000 | 0.0000 | 85.405 | 0.08473 | 0.00000 | 316523.1 | 198822.4 | 100632.1 | S |
| 123.925 | 0.0000 | 0.0000 | 85.405 | 0.08472 | 0.00000 | 316523.1 | 198824.9 | 100632.1 | S |
| 123.933 | 0.0000 | 0.0000 | 85.405 | 0.08472 | 0.00000 | 316523.1 | 198827.5 | 100632.1 | S |
| 123.942 | 0.0000 | 0.0000 | 85.405 | 0.08471 | 0.00000 | 316523.1 | 198830.0 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / 5}$ ) | Outside Recharge (fiday) | Stage Elevation (fl datum) | Infiltration Rate (ft ${ }^{3} / \mathrm{s}$ ) | Overfiow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative <br> Discharge <br> Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 123.950 | 0.0000 | 0.0000 | 85.405 | 0.08470 | 0.00000 | 316523.1 | 198832.6 | 100632.1 | S |
| 123.958 | 0.0000 | 0.0000 | 85.404 | 0.08469 | 0.00000 | 316523.1 | 198835.1 | 100632.1 | S |
| 123.967 | 0.0000 | 0.0000 | 85.404 | 0.08468 | 0.00000 | 316523.1 | 198837.6 | 100632.1 | S |
| 123.975 | 0.0000 | 0.0000 | 85.404 | 0.08467 | 0.00000 | 316523.1 | 198840.2 | 100632.1 | S |
| 123.983 | 0.0000 | 0.0000 | 85.404 | 0.08467 | 0.00000 | 316523.1 | 198842.7 | 100632.1 | S |
| 123.992 | 0.0000 | 0.0000 | 85.404 | 0.08466 | 0.00000 | 316523.1 | 198845.3 | 100632.1 | S |
| 124.000 | 0.0000 | 0.0000 | 85.404 | 0.08465 | 0.00000 | 316523.1 | 198847.8 | 100632.1 | S |
| 124.008 | 0.0000 | 0.0000 | 85.403 | 0.08464 | 0.00000 | 316523.1 | 198850.3 | 100632.1 | S |
| 124.017 | 0.0000 | 0.0000 | 85.403 | 0.08463 | 0.00000 | 316523.1 | 198852.9 | 100632.1 | S |
| 124.025 | 0.0000 | 0.0000 | 85.403 | 0.08462 | 0.00000 | 316523.1 | 198855.4 | 100632.1 | S |
| 124.033 | 0.0000 | 0.0000 | 85.403 | 0.08462 | 0.00000 | 316523.1 | 198858.0 | 100632.1 | S |
| 124.042 | 0.0000 | 0.0000 | 85.403 | 0.08461 | 0.00000 | 316523.1 | 198860.5 | 100632.1 | S |
| 124.050 | 0.0000 | 0.0000 | 85.403 | 0.08460 | 0.00000 | 316523.1 | 198863.0 | 100632.1 | S |
| 124.058 | 0.0000 | 0.0000 | 85.402 | 0.08459 | 0.00000 | 316523.1 | 198865.6 | 100632.1 | S |
| 124.067 | 0.0000 | 0.0000 | 85.402 | 0.08458 | 0.00000 | 316523.1 | 198868.1 | 100632.1 | S |
| 124.075 | 0.0000 | 0.0000 | 85.402 | 0.08457 | 0.00000 | 316523.1 | 198870.7 | 100632.1 | S |
| 124.083 | 0.0000 | 0.0000 | 85.402 | 0.08457 | 0.00000 | 316523.1 | 198873.2 | 100632.1 | S |
| 124.092 | 0.0000 | 0.0000 | 85.402 | 0.08456 | 0.00000 | 316523.1 | 198875.7 | 100632.1 | S |
| 124.100 | 0.0000 | 0.0000 | 85.401 | 0.08455 | 0.00000 | 316523.1 | 198878.3 | 100632.1 | S |
| 124.108 | 0.0000 | 0.0000 | 85.401 | 0.08454 | 0.00000 | 316523.1 | 198880.8 | 100632.1 | S |
| 124.117 | 0.0000 | 0.0000 | 85.401 | 0.08453 | 0.00000 | 316523.1 | 198883.3 | 100632.1 | S |
| 124.125 | 0.0000 | 0.0000 | 85.401 | 0.08452 | 0.00000 | 316523.1 | 198885.9 | 100632.1 | S |
| 124.133 | 0.0000 | 0.0000 | 85.401 | 0.08452 | 0.00000 | 316523.1 | 198888.4 | 100632.1 | S |
| 124.142 | 0.0000 | 0.0000 | 85.401 | 0.08451 | 0.00000 | 316523.1 | 198890.9 | 100632.1 | S |
| 124.150 | 0.0000 | 0.0000 | 85.400 | 0.08450 | 0.00000 | 316523.1 | 198893.5 | 100632.1 | S |
| 124.158 | 0.0000 | 0.0000 | 85.400 | 0.08449 | 0.00000 | 316523.1 | 198896.0 | 100632.1 | S |
| 124.167 | 0.0000 | 0.0000 | 85.400 | 0.08448 | 0.00000 | 316523.1 | 198898.5 | 100632.1 | S |
| 124.175 | 0.0000 | 0.0000 | 85.400 | 0.08447 | 0.00000 | 316523.1 | 198901.1 | 100632.1 | S |
| 124.183 | 0.0000 | 0.0000 | 85.400 | 0.08447 | 0.00000 | 316523.1 | 198903.6 | 100632.1 | S |
| 124.192 | 0.0000 | 0.0000 | 85.400 | 0.08446 | 0.00000 | 316523.1 | 198906.2 | 100632.1 | S |
| 124.200 | 0.0000 | 0.0000 | 85.399 | 0.08445 | 0.00000 | 316523.1 | 198908.7 | 100632.1 | S |
| 124.208 | 0.0000 | 0.0000 | 85.399 | 0.08444 | 0.00000 | 316523.1 | 198911.2 | 100632.1 | S |
| 124.217 | 0.0000 | 0.0000 | 85.399 | 0.08443 | 0.00000 | 316523.1 | 198913.8 | 100632.1 | S |
| 124.225 | 0.0000 | 0.0000 | 85.399 | 0.08442 | 0.00000 | 316523.1 | 198916.3 | 100632.1 | S |
| 124.233 | 0.0000 | 0.0000 | 85.399 | 0.08442 | 0.00000 | 316523.1 | 198918.8 | 100632.1 | S |
| 124.242 | 0.0000 | 0.0000 | 85.399 | 0.08441 | 0.00000 | 316523.1 | 198921.3 | 100632.1 | S |
| 124.250 | 0.0000 | 0.0000 | 85.398 | 0.08440 | 0.00000 | 316523.1 | 198923.9 | 100632.1 | S |
| 124.258 | 0.0000 | 0.0000 | 85.398 | 0.08439 | 0.00000 | 316523.1 | 198926.4 | 100632.1 | S |
| 124.267 | 0.0000 | 0.0000 | 85.398 | 0.08438 | 0.00000 | 316523.1 | 198928.9 | 100632.1 | S |
| 124.275 | 0.0000 | 0.0000 | 85.398 | 0.08437 | 0.00000 | 316523.1 | 198931.5 | 100632.1 | S |
| 124.283 | 0.0000 | 0.0000 | 85.398 | 0.08437 | 0.00000 | 316523.1 | 198934.0 | 100632.1 | S |
| 124.292 | 0.0000 | 0.0000 | 85.397 | 0.08436 | 0.00000 | 316523.1 | 198936.5 | 100632.1 | S |
| \$24.300 | 0.0000 | 0.0000 | 85.397 | 0.08435 | 0.00000 | 316523.1 | 198939.1 | 100632.1 | S |
| 124.308 | 0.0000 | 0.0000 | 85.397 | 0.08434 | 0.00000 | 316523.1 | 198941.6 | 100632.1 | S |
| 124.317 | 0.0000 | 0.0000 | 85.397 | 0.08433 | 0.00000 | 316523.1 | 198944.1 | 100632.1 | S |
| 124.325 | 0.0000 | 0.0000 | 85.397 | 0.08432 | 0.00000 | 316523.1 | 198946.7 | 100632.1 | S |
| 124.333 | 0.0000 | 0.0000 | 85.397 | 0.08431 | 0.00000 | 316523.1 | 198949.2 | 100632.1 | S |
| 124.342 | 0.0000 | 0.0000 | 85.396 | 0.08431 | 0.00000 | 316523.1 | 198951.7 | 100632.1 | S |
| 124.350 | 0.0000 | 0.0000 | 85.396 | 0.08430 | 0.00000 | 316523.1 | 198954.3 | 100632.1 | S |
| 124.358 | 0.0000 | 0.0000 | 85.396 | 0.08429 | 0.00000 | 316523.1 | 198956.8 | 100632.1 | S |
| 124.367 | 0.0000 | 0.0000 | 85.396 | 0.08428 | 0.00000 | 316523.1 | 198959.3 | 100632.1 | S |
| 124.375 | 0.0000 | 0.0000 | 85.396 | 0.08427 | 0.00000 | 316523.1 | 198961.8 | 100632.1 | S |
| 124.383 | 0.0000 | 0.0000 | 85.396 | 0.08426 | 0.00000 | 316523.1 | 198964.4 | 100632.1 | S |
| 124.392 | 0.0000 | 0.0000 | 85.395 | 0.08426 | 0.00000 | 316523.1 | 198966.9 | 100632.1 | S |
| 124.400 | 0.0000 | 0.0000 | 85.395 | 0.08425 | 0.00000 | 316523.1 | 198969.4 | 100632.1 | S |
| 124.408 | 0.0000 | 0.0000 | 85.395 | 0.08424 | 0.00000 | 316523.1 | 198971.9 | 100632.1 | S |
| 124.417 | 0.0000 | 0.0000 | 85.395 | 0.08423 | 0.00000 | 316523.1 | 198974.5 | 100632.1 | S |
| 124.425 | 0.0000 | 0.0000 | 85.395 | 0.08422 | 0.00000 | 316523.1 | 198977.0 | 100632.1 | S |
| 124.433 | 0.0000 | 0.0000 | 85.395 | 0.08422 | 0.00000 | 316523.1 | 198979.5 | 100632.1 | S |
| 124.442 | 0.0000 | 0.0000 | 85.394 | 0.08421 | 0.00000 | 316523.1 | 198982.0 | 100632.1 | S |
| 124.450 | 0.0000 | 0.0000 | 85.394 | 0.08420 | 0.00000 | 316523.1 | 198984.6 | 100632.1 | S |
| 124.458 | 0.0000 | 0.0000 | 85.394 | 0.08419 | 0.00000 | 316523.1 | 198987.1 | 100632.1 | S |
| 124.467 | 0.0000 | 0.0000 | 85.394 | 0.08418 | 0.00000 | 316523.1 | 198989.6 | 100632.1 | S |
| 124.475 | 0.0000 | 0.0000 | 85.394 | 0.08417 | 0.00000 | 316523.1 | 198992.2 | 100632.1 | S |
| 124.483 | 0.0000 | 0.0000 | 85.394 | 0.08417 | 0.00000 | 316523.1 | 198994.7 | 100632.1 | S |
| 124.492 | 0.0000 | 0.0000 | 85.393 | 0.08416 | 0.00000 | 316523.1 | 198997.2 | 100632.1 | S |
| 124.500 | 0.0000 | 0.0000 | 85.393 | 0.08415 | 0.00000 | 316523.1 | 198999.7 | 100632.1 | S |
| 124.508 | 0.0000 | 0.0000 | 85.393 | 0.08414 | 0.00000 | 316523.1 | 199002.3 | 100632.1 | S |
| 124.517 | 0.0000 | 0.0000 | 85.393 | 0.08413 | 0.00000 | 316523.1 | 199004.8 | 100632.1 | S |
| 124.525 | 0.0000 | 0.0000 | 85.393 | 0.08412 | 0.00000 | 316523.1 | 199007.3 | 100632.1 | S |
| 124.533 | 0.0000 | 0.0000 | 85.392 | 0.08412 | 0.00000 | 316523.1 | 199009.8 | 100632.1 | S |
| 124.542 | 0.0000 | 0.0000 | 85.392 | 0.08411 | 0.00000 | 316523.1 | 199012.3 | 100632.1 | S |
| 124.550 | 0.0000 | 0.0000 | 85.392 | 0.08410 | 0.00000 | 316523.1 | 199014.9 | 100632.1 | S |
| 124.558 | 0.0000 | 0.0000 | 85.392 | 0.08409 | 0.00000 | 316523.1 | 199017.4 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate (fis/s) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge $\left(\mathrm{f}^{3} / \mathrm{s}\right)$ | Cumulative Inflow Volume ( $\mathrm{tt}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume (fis) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 124.567 | 0.0000 | 0.0000 | 85.392 | 0.08408 | 0.00000 | 316523.1 | 199019.9 | 100632.1 | S |
| 124.575 | 0.0000 | 0.0000 | 85.392 | 0.08407 | 0.00000 | 316523.1 | 199022.4 | 100632.1 | S |
| 124.583 | 0.0000 | 0.0000 | 85.391 | 0.08407 | 0.00000 | 316523.1 | 199025.0 | 100632.1 | S |
| 124.592 | 0.0000 | 0.0000 | 85.391 | 0.08406 | 0.00000 | 316523.1 | 199027.5 | 100632.1 | S |
| 124.600 | 0.0000 | 0.0000 | 85.391 | 0.08405 | 0.00000 | 316523.1 | \$99030.0 | 100632.1 | S |
| 124.608 | 0.0000 | 0.0000 | 85.391 | 0.08404 | 0.00000 | 316523.1 | 199032.5 | 100632.1 | S |
| 124.617 | 0.0000 | 0.0000 | 85.391 | 0.08403 | 0.00000 | 316523.1 | 199035.0 | 100632.1 | S |
| 124.625 | 0.0000 | 0.0000 | 85.391 | 0.08402 | 0.00000 | 316523.1 | 199037.6 | 100632.1 | S |
| 124.633 | 0.0000 | 0.0000 | 85.390 | 0.08402 | 0.00000 | 316523.1 | 199040.1 | 100632.1 | S |
| 124.642 | 0.0000 | 0.0000 | 85.390 | 0.08401 | 0.00000 | 316523.1 | 199042.6 | 100632.1 | S |
| 124.650 | 0.0000 | 0.0000 | 85.390 | 0.08400 | 0.00000 | 316523.1 | 199045.1 | 100632.1 | S |
| 124.658 | 0.0000 | 0.0000 | 85.390 | 0.08399 | 0.00000 | 316523.1 | 199047.6 | 100632.1 | S |
| 124.667 | 0.0000 | 0.0000 | 85.390 | 0.08398 | 0.00000 | 316523.1 | 199050.2 | 100632.1 | S |
| 124.675 | 0.0000 | 0.0000 | 85.390 | 0.08397 | 0.00000 | 316523.1 | 199052.7 | 100632.1 | S |
| 124.683 | 0.0000 | 0.0000 | 85.389 | 0.08397 | 0.00000 | 316523.1 | 199055.2 | 100632.1 | S |
| 124.692 | 0.0000 | 0.0000 | 85.389 | 0.08396 | 0.00000 | 316523.1 | 199057.7 | 100632.1 | S |
| 124.700 | 0.0000 | 0.0000 | 85.389 | 0.08395 | 0.00000 | 316523.1 | 199060.2 | 100632.1 | S |
| 124.708 | 0.0000 | 0.0000 | 85.389 | 0.08394 | 0.00000 | 316523.1 | 199062.8 | 100632.1 | S |
| 124.717 | 0.0000 | 0.0000 | 85.389 | 0.08393 | 0.00000 | 316523.1 | 199065.3 | 100632.1 | S |
| 124.725 | 0.0000 | 0.0000 | 85.389 | 0.08392 | 0.00000 | 316523.1 | 199067.8 | 100632.1 | S |
| 124.733 | 0.0000 | 0.0000 | 85.388 | 0.08392 | 0.00000 | 316523.1 | 199070.3 | 100632.1 | S |
| 124.742 | 0.0000 | 0.0000 | 85.388 | 0.08391 | 0.00000 | 316523.1 | 199072.8 | 100632.1 | S |
| 124.750 | 0.0000 | 0.0000 | 85.388 | 0.08390 | 0.00000 | 316523.1 | 199075.3 | 100632.1 | S |
| 124.758 | 0.0000 | 0.0000 | 85.388 | 0.08389 | 0.00000 | 316523.1 | 199077.9 | 100632.1 | S |
| 124.767 | 0.0000 | 0.0000 | 85.388 | 0.08388 | 0.00000 | 316523.1 | 199080.4 | 100632.1 | S |
| 124.775 | 0.0000 | 0.0000 | 85.387 | 0.08387 | 0.00000 | 316523.1 | 199082.9 | 100632.1 | S |
| 124.783 | 0.0000 | 0.0000 | 85.387 | 0.08387 | 0.00000 | 316523.1 | 199085.4 | 100632.1 | S |
| 124.792 | 0.0000 | 0.0000 | 85.387 | 0.08386 | 0.00000 | 316523.1 | 199087.9 | 100632.1 | S |
| 124.800 | 0.0000 | 0.0000 | 85.387 | 0.08385 | 0.00000 | 316523.1 | 199090.4 | 100632.1 | S |
| 124.808 | 0.0000 | 0.0000 | 85.387 | 0.08384 | 0.00000 | 316523.1 | 199093.0 | 100632.1 | S |
| 124.817 | 0.0000 | 0.0000 | 85.387 | 0.08383 | 0.00000 | 316523.1 | 199095.5 | 100632.1 | S |
| 124.825 | 0.0000 | 0.0000 | 85.386 | 0.08383 | 0.00000 | 316523.1 | 199098.0 | 100632.1 | S |
| 124.833 | 0.0000 | 0.0000 | 85.386 | 0.08382 | 0.00000 | 316523.1 | 199100.5 | 100632.1 | S |
| 124.842 | 0.0000 | 0.0000 | 85.386 | 0.08381 | 0.00000 | 316523.1 | 199103.0 | 100632.1 | S |
| 124.850 | 0.0000 | 0.0000 | 85.386 | 0.08380 | 0.00000 | 316523.1 | 199105.5 | 100632.1 | S |
| 124.858 | 0.0000 | 0.0000 | 85.386 | 0.08379 | 0.00000 | 316523.1 | 199108.0 | 100632.1 | S |
| 124.867 | 0.0000 | 0.0000 | 85.386 | 0.08378 | 0.00000 | 316523.1 | 199110.6 | 100632.1 | S |
| 124.875 | 0.0000 | 0.0000 | 85.385 | 0.08378 | 0.00000 | 316523.1 | 199113.1 | 100632.1 | S |
| 124.883 | 0.0000 | 0.0000 | 85.385 | 0.08377 | 0.00000 | 316523.1 | 199115.6 | 100632.1 | S |
| 124.892 | 0.0000 | 0.0000 | 85.385 | 0.08376 | 0.00000 | 316523.1 | 199118.1 | 100632.1 | S |
| 124.900 | 0.0000 | 0.0000 | 85.385 | 0.08375 | 0.00000 | 316523.1 | 199120.6 | 100632.1 | S |
| 124.908 | 0.0000 | 0.0000 | 85.385 | 0.08374 | 0.00000 | 316523.1 | 199123.1 | 100632.1 | S |
| 124.917 | 0.0000 | 0.0000 | 85.385 | 0.08373 | 0.00000 | 316523.1 | 199125.6 | 100632.1 | S |
| 124.925 | 0.0000 | 0.0000 | 85.384 | 0.08373 | 0.00000 | 316523.1 | 199128.2 | 100632.1 | S |
| 124.933 | 0.0000 | 0.0000 | 85.384 | 0.08372 | 0.00000 | 316523.1 | 199130.7 | 100632.1 | S |
| 124.942 | 0.0000 | 0.0000 | 85.384 | 0.08371 | 0.00000 | 316523.1 | 199133.2 | 100632.1 | S |
| 124.950 | 0.0000 | 0.0000 | 85.384 | 0.08370 | 0.00000 | 316523.1 | 199135.7 | 100632.1 | S |
| 124.958 | 0.0000 | 0.0000 | 85.384 | 0.08369 | 0.00000 | 316523.1 | $\ddagger 99138.2$ | 100632.1 | S |
| 124.967 | 0.0000 | 0.0000 | 85.383 | 0.08368 | 0.00000 | 316523.1 | 199140.7 | 100632.1 | S |
| 124.975 | 0.0000 | 0.0000 | 85.383 | 0.08368 | 0.00000 | 316523.1 | 199143.2 | 100632.1 | S |
| 124.983 | 0.0000 | 0.0000 | 85.383 | 0.08367 | 0.00000 | 316523.1 | 199145.7 | 100632.1 | S |
| 124.992 | 0.0000 | 0.0000 | 85.383 | 0.08366 | 0.00000 | 316523.1 | 199148.2 | 100632.1 | S |
| 125.000 | 0.0000 | 0.0000 | 85.383 | 0.08365 | 0.00000 | 316523.1 | 199150.8 | 100632.1 | S |
| 125.008 | 0.0000 | 0.0000 | 85.383 | 0.08364 | 0.00000 | 316523.1 | 199153.3 | 100632.1 | S |
| 125.017 | 0.0000 | 0.0000 | 85.382 | 0.08364 | 0.00000 | 316523.1 | 199155.8 | 100632.1 | S |
| 125.025 | 0.0000 | 0.0000 | 85.382 | 0.08363 | 0.00000 | 316523.1 | 199158.3 | 100632.1 | S |
| 125.033 | 0.0000 | 0.0000 | 85.382 | 0.08362 | 0.00000 | 316523.1 | 199160.8 | 100632.1 | S |
| 125.042 | 0.0000 | 0.0000 | 85.382 | 0.08361 | 0.00000 | 316523.1 | 199163.3 | 100632.1 | S |
| 125.050 | 0.0000 | 0.0000 | 85.382 | 0.08360 | 0.00000 | 316523.1 | 199165.8 | 100632.1 | S |
| 125.058 | 0.0000 | 0.0000 | 85.382 | 0.08359 | 0.00000 | 316523.1 | 199168.3 | 100632.1 | S |
| 125.067 | 0.0000 | 0.0000 | 85.381 | 0.08359 | 0.00000 | 316523.1 | 199170.8 | 100632.1 | S |
| 125.075 | 0.0000 | 0.0000 | 85.381 | 0.08358 | 0.00000 | 316523.1 | 199173.3 | 100632.1 | S |
| 125.083 | 0.0000 | 0.0000 | 85.381 | 0.08357 | 0.00000 | 316523.1 | $199 \$ 75.8$ | 100632.1 | S |
| 125.092 | 0.0000 | 0.0000 | 85.381 | 0.08356 | 0.00000 | 316523.1 | 199178.3 | 100632.1 | S |
| 125.100 | 0.0000 | 0.0000 | 85.381 | 0.08355 | 0.00000 | 316523.1 | 199180.8 | 100632.1 | S |
| 125.108 | 0.0000 | 0.0000 | 85.381 | 0.08354 | 0.00000 | 316523.1 | 199183.3 | 100632.1 | S |
| 125.117 | 0.0000 | 0.0000 | 85.380 | 0.08354 | 0.00000 | 316523.1 | 199185.9 | 100632.1 | S |
| 125.125 | 0.0000 | 0.0000 | 85.380 | 0.08353 | 0.00000 | 316523.1 | 199188.4 | 100632.1 | S |
| 125.133 | 0.0000 | 0.0000 | 85.380 | 0.08352 | 0.00000 | 316523.1 | 199190.9 | 100632.1 | S |
| 125.142 | 0.0000 | 0.0000 | 85.380 | 0.08351 | 0.00000 | 316523.1 | 199193.4 | 100632.1 | S |
| 125.150 | 0.0000 | 0.0000 | 85.380 | 0.08350 | 0.00000 | 316523.1 | 199195.9 | 100632.1 | S |
| 125.158 | 0.0000 | 0.0000 | 85.380 | 0.08350 | 0.00000 | 316523.1 | 199198.4 | 100632.1 | S |
| 125.167 | 0.0000 | 0.0000 | 85.379 | 0.08349 | 0.00000 | 316523.1 | 199200.9 | 100632.1 | S |
| 125.175 | 0.0000 | 0.0000 | 85.379 | 0.08348 | 0.00000 | 316523.1 | 199203.4 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 125.183 | 0.0000 | 0.0000 | 85.379 | 0.08347 | 0.00000 | 316523.1 | 199205.9 | 100632.1 | S |
| 125.192 | 0.0000 | 0.0000 | 85.379 | 0.08346 | 0.00000 | 316523.1 | 199208.4 | 100632.1 | S |
| 125.200 | 0.0000 | 0.0000 | 85.379 | 0.08345 | 0.00000 | 316523.1 | 199210.9 | 100632.1 | S |
| 125.208 | 0.0000 | 0.0000 | 85.378 | 0.08345 | 0.00000 | 316523.1 | 199213.4 | 100632.1 | S |
| 125.217 | 0.0000 | 0.0000 | 85.378 | 0.08344 | 0.00000 | 316523.1 | 199215.9 | 100632.1 | S |
| 125.225 | 0.0000 | 0.0000 | 85.378 | 0.08343 | 0.00000 | 316523.1 | 199218.4 | 100632.1 | S |
| 125.233 | 0.0000 | 0.0000 | 85.378 | 0.08342 | 0.00000 | 316523.1 | 199220.9 | 100632.1 | S |
| 125.242 | 0.0000 | 0.0000 | 85.378 | 0.08341 | 0.00000 | 316523.1 | 199223.4 | 100632.1 | S |
| 125.250 | 0.0000 | 0.0000 | 85.378 | 0.08341 | 0.00000 | 316523.1 | 199225.9 | 100632.1 | S |
| 125.258 | 0.0000 | 0.0000 | 85.377 | 0.08340 | 0.00000 | 316523.1 | 199228.4 | 100632.1 | S |
| 125.267 | 0.0000 | 0.0000 | 85.377 | 0.08339 | 0.00000 | 316523.1 | 199230.9 | 100632.1 | S |
| 125.275 | 0.0000 | 0.0000 | 85.377 | 0.08338 | 0.00000 | 316523.1 | 199233.4 | 100632.1 | S |
| 125.283 | 0.0000 | 0.0000 | 85.377 | 0.08337 | 0.00000 | 316523.1 | 199235.9 | 100632.1 | S |
| 125.292 | 0.0000 | 0.0000 | 85.377 | 0.08336 | 0.00000 | 316523.1 | 199238.4 | 100632.1 | S |
| 125.300 | 0.0000 | 0.0000 | 85.377 | 0.08336 | 0.00000 | 316523.1 | 199240.9 | 100632.1 | S |
| 125.308 | 0.0000 | 0.0000 | 85.376 | 0.08335 | 0.00000 | 316523.1 | 199243.4 | 100632.1 | S |
| 125.317 | 0.0000 | 0.0000 | 85.376 | 0.08334 | 0.00000 | 316523.1 | 199245.9 | 100632.1 | S |
| 125.325 | 0.0000 | 0.0000 | 85.376 | 0.08333 | 0.00000 | 316523.1 | 199248.4 | 100632.1 | S |
| 125.333 | 0.0000 | 0.0000 | 85.376 | 0.08332 | 0.00000 | 316523.1 | 199250.9 | 100632.1 | S |
| 125.342 | 0.0000 | 0.0000 | 85.376 | 0.08331 | 0.00000 | 316523.1 | 199253.4 | 100632.1 | S |
| 125.350 | 0.0000 | 0.0000 | 85.376 | 0.08331 | 0.00000 | 316523.1 | 199255.9 | 100632.1 | S |
| 125.358 | 0.0000 | 0.0000 | 85.375 | 0.08330 | 0.00000 | 316523.1 | 199258.4 | 100632.1 | S |
| 125.367 | 0.0000 | 0.0000 | 85.375 | 0.08329 | 0.00000 | 316523.1 | 199260.9 | 100632.1 | S |
| 125.375 | 0.0000 | 0.0000 | 85.375 | 0.08328 | 0.00000 | 316523.1 | 199263.4 | 100632.1 | S |
| 125.383 | 0.0000 | 0.0000 | 85.375 | 0.08327 | 0.00000 | 316523.1 | 199265.9 | 100632.1 | S |
| 125.392 | 0.0000 | 0.0000 | 85.375 | 0.08327 | 0.00000 | 316523.1 | 199268.4 | 100632.1 | S |
| 125.400 | 0.0000 | 0.0000 | 85.375 | 0.08326 | 0.00000 | 316523.1 | 199270.9 | 100632.1 | S |
| 125.408 | 0.0000 | 0.0000 | 85.374 | 0.08325 | 0.00000 | 316523.1 | 199273.4 | 100632.1 | S |
| 125.417 | 0.0000 | 0.0000 | 85.374 | 0.08324 | 0.00000 | 316523.1 | 199275.9 | 100632.1 | S |
| 125.425 | 0.0000 | 0.0000 | 85.374 | 0.08323 | 0.00000 | 316523.1 | 199278.4 | 100632.1 | S |
| 125.433 | 0.0000 | 0.0000 | 85.374 | 0.08322 | 0.00000 | 316523.1 | 199280.9 | 100632.1 | S |
| 125.442 | 0.0000 | 0.0000 | 85.374 | 0.08322 | 0.00000 | 316523.1 | 199283.4 | 100632.1 | S |
| 125.450 | 0.0000 | 0.0000 | 85.374 | 0.08321 | 0.00000 | 316523.1 | 199285.9 | 100632.1 | S |
| 125.458 | 0.0000 | 0.0000 | 85.373 | 0.08320 | 0.00000 | 316523.1 | 199288.4 | 100632.1 | S |
| 125.467 | 0.0000 | 0.0000 | 85.373 | 0.08319 | 0.00000 | 316523.1 | 199290.9 | 100632.1 | S |
| 125.475 | 0.0000 | 0.0000 | 85.373 | 0.08318 | 0.00000 | 316523.1 | 199293.4 | 100632.1 | S |
| 125.483 | 0.0000 | 0.0000 | 85.373 | 0.08318 | 0.00000 | 316523.1 | 199295.9 | 100632.1 | S |
| 125.492 | 0.0000 | 0.0000 | 85.373 | 0.08317 | 0.00000 | 316523.1 | 199298.4 | 100632.1 | S |
| 125.500 | 0.0000 | 0.0000 | 85.372 | 0.08316 | 0.00000 | 316523.1 | 199300.9 | 100632.1 | S |
| 125.508 | 0.0000 | 0.0000 | 85.372 | 0.08315 | 0.00000 | 316523.1 | 199303.4 | 100632.1 | S |
| 125.517 | 0.0000 | 0.0000 | 85.372 | 0.08314 | 0.00000 | 316523.1 | 199305.9 | 100632.1 | S |
| 125.525 | 0.0000 | 0.0000 | 85.372 | 0.08313 | 0.00000 | 316523.1 | 199308.4 | 100632.1 | S |
| 125.533 | 0.0000 | 0.0000 | 85.372 | 0.08313 | 0.00000 | 316523.1 | 199310.9 | 100632.1 | S |
| 125.542 | 0.0000 | 0.0000 | 85.372 | 0.08312 | 0.00000 | 316523.1 | 199313.3 | 100632.1 | S |
| 125.550 | 0.0000 | 0.0000 | 85.371 | 0.08311 | 0.00000 | 316523.1 | 199315.8 | 100632.1 | S |
| 125.558 | 0.0000 | 0.0000 | 85.371 | 0.08310 | 0.00000 | 316523.1 | 199318.3 | 100632.1 | S |
| 125.567 | 0.0000 | 0.0000 | 85.371 | 0.08309 | 0.00000 | 316523.1 | 199320.8 | 100632.1 | S |
| 125.575 | 0.0000 | 0.0000 | 85.371 | 0.08309 | 0.00000 | 316523.1 | 199323.3 | 100632.1 | S |
| 125.583 | 0.0000 | 0.0000 | 85.371 | 0.08308 | 0.00000 | 316523.1 | 199325.8 | 100632.1 | S |
| 125.592 | 0.0000 | 0.0000 | 85.371 | 0.08307 | 0.00000 | 316523.1 | 199328.3 | 100632.1 | S |
| 125.600 | 0.0000 | 0.0000 | 85.370 | 0.08306 | 0.00000 | 316523.1 | 199330.8 | 100632.1 | S |
| 125.608 | 0.0000 | 0.0000 | 85.370 | 0.08305 | 0.00000 | 316523.1 | 199333.3 | 100632.1 | S |
| 125.617 | 0.0000 | 0.0000 | 85.370 | 0.08305 | 0.00000 | 316523.1 | 199335.8 | 100632.1 | S |
| 125.625 | 0.0000 | 0.0000 | 85.370 | 0.08304 | 0.00000 | 316523.1 | 199338.3 | 100632.1 | S |
| 125.633 | 0.0000 | 0.0000 | 85.370 | 0.08303 | 0.00000 | 316523.1 | 199340.8 | 100632.1 | S |
| 125.642 | 0.0000 | 0.0000 | 85.370 | 0.08302 | 0.00000 | 316523.1 | 199343.3 | 100632.1 | S |
| 125.650 | 0.0000 | 0.0000 | 85.369 | 0.08301 | 0.00000 | 316523.1 | 199345.7 | 100632.1 | S |
| 125.658 | 0.0000 | 0.0000 | 85.369 | 0.08300 | 0.00000 | 316523.1 | 199348.2 | 100632.1 | S |
| 125.667 | 0.0000 | 0.0000 | 85.369 | 0.08300 | 0.00000 | 316523.1 | 199350.7 | 100632.1 | S |
| 125.675 | 0.0000 | 0.0000 | 85.369 | 0.08299 | 0.00000 | 316523.1 | 199353.2 | 100632.1 | S |
| 125.683 | 0.0000 | 0.0000 | 85.369 | 0.08298 | 0.00000 | 316523.1 | 199355.7 | 100632.1 | S |
| 125.692 | 0.0000 | 0.0000 | 85.369 | 0.08297 | 0.00000 | 316523.1 | 199358.2 | 100632.1 | S |
| 125.700 | 0.0000 | 0.0000 | 85.368 | 0.08296 | 0.00000 | 316523.1 | 199360.7 | 100632.1 | S |
| 125.708 | 0.0000 | 0.0000 | 85.368 | 0.08296 | 0.00000 | 316523.1 | 199363.2 | 100632.1 | S |
| 125.717 | 0.0000 | 0.0000 | 85.368 | 0.08295 | 0.00000 | 316523.1 | 199365.7 | 100632.1 | S |
| 125.725 | 0.0000 | 0.0000 | 85.368 | 0.08294 | 0.00000 | 316523.1 | 199368.1 | 100632.1 | S |
| 125.733 | 0.0000 | 0.0000 | 85.368 | 0.08293 | 0.00000 | 316523.1 | 199370.6 | 100632.1 | S |
| 125.742 | 0.0000 | 0.0000 | 85.368 | 0.08292 | 0.00000 | 316523.1 | 199373.1 | 100632.1 | S |
| 125.750 | 0.0000 | 0.0000 | 85.367 | 0.08291 | 0.00000 | 316523.1 | 199375.6 | 100632.1 | S |
| 125.758 | 0.0000 | 0.0000 | 85.367 | 0.08291 | 0.00000 | 316523.1 | 199378.1 | 100632.1 | S |
| 125.767 | 0.0000 | 0.0000 | 85.367 | 0.08290 | 0.00000 | 316523.1 | 199380.6 | 100632.1 | S |
| 125.775 | 0.0000 | 0.0000 | 85.367 | 0.08289 | 0.00000 | 316523.1 | 199383.1 | 100632.1 | S |
| 125.783 | 0.0000 | 0.0000 | 85.367 | 0.08288 | 0.00000 | 316523.1 | 199385.6 | 100632.1 | S |
| 125.792 | 0.0000 | 0.0000 | 85.366 | 0.08287 | 0.00000 | 316523.1 | 199388.0 | 100632.1 | S |

# PONDS Version 3.2.0207 

Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.

## Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overfiow

| Elapsed Time (hours) | Infiow Rate ( $\mathrm{H}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation ( f datum) | Infiltration Rate ( $\mathrm{f}^{2} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 125.800 | 0.0000 | 0.0000 | 85.366 | 0.08287 | 0.00000 | 316523.1 | 199390.5 | 100632.1 | S |
| 125.808 | 0.0000 | 0.0000 | 85.366 | 0.08286 | 0.00000 | 316523.1 | 199393.0 | 100632.1 | S |
| 125.817 | 0.0000 | 0.0000 | 85.366 | 0.08285 | 0.00000 | 316523.1 | 199395.5 | 100632.1 | S |
| 125.825 | 0.0000 | 0.0000 | 85.366 | 0.08284 | 0.00000 | 316523.1 | 199398.0 | 100632.1 | S |
| 125.833 | 0.0000 | 0.0000 | 85.366 | 0.08283 | 0.00000 | 316523.1 | 199400.5 | 100632.1 | S |
| 125.842 | 0.0000 | 0.0000 | 85.365 | 0.08283 | 0.00000 | 316523.1 | 199403.0 | 100632.1 | S |
| 125.850 | 0.0000 | 0.0000 | 85.365 | 0.08282 | 0.00000 | 316523.1 | 199405.4 | 100632.1 | S |
| 125.858 | 0.0000 | 0.0000 | 85.365 | 0.08281 | 0.00000 | 316523.1 | 199407.9 | 100632.1 | S |
| 125.867 | 0.0000 | 0.0000 | 85.365 | 0.08280 | 0.00000 | 316523.1 | 199410.4 | 100632.1 | S |
| 125.875 | 0.0000 | 0.0000 | 85.365 | 0.08279 | 0.00000 | 316523.1 | 199412.9 | 100632.1 | S |
| 125.883 | 0.0000 | 0.0000 | 85.365 | 0.08278 | 0.00000 | 316523.1 | 199415.4 | 100632.1 | S |
| 125.892 | 0.0000 | 0.0000 | 85.364 | 0.08278 | 0.00000 | 316523.1 | 199417.9 | 100632.1 | S |
| 125.900 | 0.0000 | 0.0000 | 85.364 | 0.08277 | 0.00000 | 316523.1 | 199420.3 | 100632.1 | S |
| 125.908 | 0.0000 | 0.0000 | 85.364 | 0.08276 | 0.00000 | 316523.1 | 199422.8 | 100632.1 | S |
| 125.917 | 0.0000 | 0.0000 | 85.364 | 0.08275 | 0.00000 | 316523.1 | 199425.3 | 100632.1 | S |
| 125.925 | 0.0000 | 0.0000 | 85.364 | 0.08274 | 0.00000 | 316523.1 | 199427.8 | 100632.1 | S |
| 125.933 | 0.0000 | 0.0000 | 85.364 | 0.08274 | 0.00000 | 316523.1 | 199430.3 | 100632.1 | S |
| 125.942 | 0.0000 | 0.0000 | 85.363 | 0.08273 | 0.00000 | 316523.1 | 199432.8 | 100632.1 | S |
| 125.950 | 0.0000 | 0.0000 | 85.363 | 0.08272 | 0.00000 | 316523.1 | 199435.2 | 100632.1 | S |
| 125.958 | 0.0000 | 0.0000 | 85.363 | 0.08271 | 0.00000 | 316523.1 | 199437.7 | 100632.1 | S |
| 125.967 | 0.0000 | 0.0000 | 85.363 | 0.08270 | 0.00000 | 316523.1 | 199440.2 | 100632.1 | S |
| 125.975 | 0.0000 | 0.0000 | 85.363 | 0.08270 | 0.00000 | 316523.1 | 199442.7 | 100632.1 | S |
| 125.983 | 0.0000 | 0.0000 | 85.363 | 0.08269 | 0.00000 | 316523.1 | 199445.2 | 100632.1 | S |
| 125.992 | 0.0000 | 0.0000 | 85.362 | 0.08268 | 0.00000 | 316523.1 | 199447.6 | 100632.1 | S |
| 126.000 | 0.0000 | 0.0000 | 85.362 | 0.08267 | 0.00000 | 316523.1 | 199450.1 | 100632.1 | S |
| 126.008 | 0.0000 | 0.0000 | 85.362 | 0.08266 | 0.00000 | 316523.1 | 199452.6 | 100632.1 | S |
| 126.017 | 0.0000 | 0.0000 | 85.362 | 0.08265 | 0.00000 | 316523.1 | 199455.1 | 100632.1 | S |
| 126.025 | 0.0000 | 0.0000 | 85.362 | 0.08265 | 0.00000 | 316523.1 | 199457.6 | 100632.1 | S |
| 126.033 | 0.0000 | 0.0000 | 85.362 | 0.08264 | 0.00000 | 316523.1 | 199460.0 | 100632.1 | S |
| 126.042 | 0.0000 | 0.0000 | 85.361 | 0.08263 | 0.00000 | 316523.1 | 199462.5 | 100632.1 | S |
| 126.050 | 0.0000 | 0.0000 | 85.361 | 0.08262 | 0.00000 | 316523.1 | 199465.0 | 100632.1 | S |
| 126.058 | 0.0000 | 0.0000 | 85.361 | 0.08261 | 0.00000 | 316523.1 | 199467.5 | 100632.1 | S |
| 126.067 | 0.0000 | 0.0000 | 85.361 | 0.08261 | 0.00000 | 316523.1 | 199470.0 | 100632.1 | S |
| 126.075 | 0.0000 | 0.0000 | 85.361 | 0.08260 | 0.00000 | 316523.1 | 199472.4 | 100632.1 | S |
| 126.083 | 0.0000 | 0.0000 | 85.360 | 0.08259 | 0.00000 | 316523.1 | 199474.9 | 100632.1 | S |
| 126.092 | 0.0000 | 0.0000 | 85.360 | 0.08258 | 0.00000 | 316523.1 | 199477.4 | 100632.1 | S |
| 126.100 | 0.0000 | 0.0000 | 85.360 | 0.08257 | 0.00000 | 316523.1 | 199479.9 | 100632.1 | S |
| 126.108 | 0.0000 | 0.0000 | 85.360 | 0.08257 | 0.00000 | 316523.1 | 199482.3 | 100632.1 | S |
| 126.117 | 0.0000 | 0.0000 | 85.360 | 0.08256 | 0.00000 | 316523.1 | 199484.8 | 100632.1 | S |
| 126.125 | 0.0000 | 0.0000 | 85.360 | 0.08255 | 0.00000 | 316523.1 | 199487.3 | 100632.1 | S |
| 126.133 | 0.0000 | 0.0000 | 85.359 | 0.08254 | 0.00000 | 316523.1 | 199489.8 | 100632.1 | S |
| 126.142 | 0.0000 | 0.0000 | 85.359 | 0.08253 | 0.00000 | 316523.1 | 199492.3 | 100632.1 | S |
| 126.150 | 0.0000 | 0.0000 | 85.359 | 0.08253 | 0.00000 | 316523.1 | 199494.7 | 100632.1 | S |
| 126.158 | 0.0000 | 0.0000 | 85.359 | 0.08252 | 0.00000 | 316523.1 | 199497.2 | 100632.1 | S |
| 126.167 | 0.0000 | 0.0000 | 85.359 | 0.08251 | 0.00000 | 316523.1 | 199499.7 | 100632.1 | S |
| 126.175 | 0.0000 | 0.0000 | 85.359 | 0.08250 | 0.00000 | 316523.1 | 199502.2 | 100632.1 | S |
| 126.183 | 0.0000 | 0.0000 | 85.358 | 0.08249 | 0.00000 | 316523.1 | 199504.6 | 100632.1 | S |
| 126.192 | 0.0000 | 0.0000 | 85.358 | 0.08248 | 0.00000 | 316523.1 | 199507.1 | 100632.1 | S |
| 126.200 | 0.0000 | 0.0000 | 85.358 | 0.08248 | 0.00000 | 316523.1 | 199509.6 | 100632.1 | S |
| 126.208 | 0.0000 | 0.0000 | 85.358 | 0.08247 | 0.00000 | 316523.1 | 199512.0 | 100632.1 | S |
| 126.217 | 0.0000 | 0.0000 | 85.358 | 0.08246 | 0.00000 | 316523.1 | 199514.5 | 100632.1 | S |
| 126.225 | 0.0000 | 0.0000 | 85.358 | 0.08245 | 0.00000 | 316523.1 | 199517.0 | 100632.1 | S |
| 126.233 | 0.0000 | 0.0000 | 85.357 | 0.08244 | 0.00000 | 316523.1 | 199519.5 | 100632.1 | S |
| 126.242 | 0.0000 | 0.0000 | 85.357 | 0.08244 | 0.00000 | 316523.1 | 199521.9 | 100632.1 | S |
| 126.250 | 0.0000 | 0.0000 | 85.357 | 0.08243 | 0.00000 | 316523.1 | 199524.4 | 100632.1 | S |
| 126.258 | 0.0000 | 0.0000 | 85.357 | 0.08242 | 0.00000 | 316523.1 | 199526.9 | 100632.1 | S |
| 126.267 | 0.0000 | 0.0000 | 85.357 | 0.08241 | 0.00000 | 316523.1 | 199529.4 | 100632.1 | S |
| 126.275 | 0.0000 | 0.0000 | 85.357 | 0.08240 | 0.00000 | 316523.1 | 199531.8 | 100632.1 | S |
| 126.283 | 0.0000 | 0.0000 | 85.356 | 0.08240 | 0.00000 | 316523.1 | 199534.3 | 100632.1 | S |
| 126.292 | 0.0000 | 0.0000 | 85.356 | 0.08239 | 0.00000 | 316523.1 | 199536.8 | 100632.1 | S |
| 126.300 | 0.0000 | 0.0000 | 85.356 | 0.08238 | 0.00000 | 316523.1 | 199539.3 | 100632.1 | S |
| 126.308 | 0.0000 | 0.0000 | 85.356 | 0.08237 | 0.00000 | 316523.1 | 199541.7 | 100632.1 | S |
| 126.317 | 0.0000 | 0.0000 | 85.356 | 0.08236 | 0.00000 | 316523.1 | 199544.2 | 100632.1 | S |
| 126.325 | 0.0000 | 0.0000 | 85.356 | 0.08236 | 0.00000 | 316523.1 | 199546.7 | 100632.1 | S |
| 126.333 | 0.0000 | 0.0000 | 85.355 | 0.08235 | 0.00000 | 316523.1 | 199549.1 | 100632.1 | S |
| 126.342 | 0.0000 | 0.0000 | 85.355 | 0.08234 | 0.00000 | 316523.1 | 199551.6 | 100632.1 | S |
| 126.350 | 0.0000 | 0.0000 | 85.355 | 0.08233 | 0.00000 | 316523.1 | 199554.1 | 100632.1 | S |
| 126.358 | 0.0000 | 0.0000 | 85.355 | 0.08232 | 0.00000 | 316523.1 | 199556.5 | 100632.1 | S |
| 126.367 | 0.0000 | 0.0000 | 85.355 | 0.08232 | 0.00000 | 316523.1 | 199559.0 | 100632.1 | S |
| 126.375 | 0.0000 | 0.0000 | 85.355 | 0.08231 | 0.00000 | 316523.1 | 199561.5 | 100632.1 | S |
| 126.383 | 0.0000 | 0.0000 | 85.354 | 0.08230 | 0.00000 | 316523.1 | 199564.0 | 100632.1 | S |
| 126.392 | 0.0000 | 0.0000 | 85.354 | 0.08229 | 0.00000 | 316523.1 | 199566.4 | 100632.1 | S |
| 126.400 | 0.0000 | 0.0000 | 85.354 | 0.08228 | 0.00000 | 316523.1 | 199568.9 | 100632.1 | S |
| 126.408 | 0.0000 | 0.0000 | 85.354 | 0.08228 | 0.00000 | 316523.1 | 199571.4 | 100632.1 | S |

# PONDS Version 3.2.0207 <br> Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E. 

Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume (ft ${ }^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 126.417 | 0.0000 | 0.0000 | 85.354 | 0.08227 | 0.00000 | 316523.1 | 199573.8 | 100632.1 | S |
| 126.425 | 0.0000 | 0.0000 | 85.353 | 0.08226 | 0.00000 | 316523.1 | 199576.3 | 100632.1 | S |
| 126.433 | 0.0000 | 0.0000 | 85.353 | 0.08225 | 0.00000 | 316523.1 | 199578.8 | 100632.1 | S |
| 126.442 | 0.0000 | 0.0000 | 85.353 | 0.08224 | 0.00000 | 316523.1 | 199581.2 | 100632.1 | S |
| 126.450 | 0.0000 | 0.0000 | 85.353 | 0.08223 | 0.00000 | 316523.1 | 199583.7 | 100632.1 | S |
| 126.458 | 0.0000 | 0.0000 | 85.353 | 0.08223 | 0.00000 | 316523.1 | 199586.2 | 100632.1 | S |
| 126.467 | 0.0000 | 0.0000 | 85.353 | 0.08222 | 0.00000 | 316523.1 | 199588.6 | 100632.1 | S |
| 126.475 | 0.0000 | 0.0000 | 85.352 | 0.08221 | 0.00000 | 316523.1 | 199591.1 | 100632.1 | S |
| 126.483 | 0.0000 | 0.0000 | 85.352 | 0.08220 | 0.00000 | 316523.1 | 199593.6 | 100632.1 | S |
| 126.492 | 0.0000 | 0.0000 | 85.352 | 0.08219 | 0.00000 | 316523.1 | 199596.0 | 100632.1 | S |
| 126.500 | 0.0000 | 0.0000 | 85.352 | 0.08219 | 0.00000 | 316523.1 | 199598.5 | 100632.1 | S |
| 126.508 | 0.0000 | 0.0000 | 85.352 | 0.08218 | 0.00000 | 316523.1 | 199601.0 | 100632.1 | S |
| 126.517 | 0.0000 | 0.0000 | 85.352 | 0.08217 | 0.00000 | 316523.1 | 199603.4 | 100632.1 | S |
| 126.525 | 0.0000 | 0.0000 | 85.351 | 0.08216 | 0.00000 | 316523.1 | 199605.9 | 100632.1 | S |
| 126.533 | 0.0000 | 0.0000 | 85.351 | 0.08215 | 0.00000 | 316523.1 | 199608.4 | 100632.1 | S |
| 126.542 | 0.0000 | 0.0000 | 85.351 | 0.08215 | 0.00000 | 316523.1 | 199610.8 | 100632.1 | S |
| 126.550 | 0.0000 | 0.0000 | 85.351 | 0.08214 | 0.00000 | 316523.1 | 199613.3 | 100632.1 | S |
| 126.558 | 0.0000 | 0.0000 | 85.351 | 0.08213 | 0.00000 | 316523.1 | 199615.8 | 100632.1 | S |
| 126.567 | 0.0000 | 0.0000 | 85.351 | 0.08212 | 0.00000 | 316523.1 | 199618.2 | 100632.1 | S |
| 126.575 | 0.0000 | 0.0000 | 85.350 | 0.08211 | 0.00000 | 316523.1 | 199620.7 | 100632.1 | S |
| 126.583 | 0.0000 | 0.0000 | 85.350 | 0.08211 | 0.00000 | 316523.1 | 199623.1 | 100632.1 | S |
| 126.592 | 0.0000 | 0.0000 | 85.350 | 0.08210 | 0.00000 | 316523.1 | 199625.6 | 100632.1 | 5 |
| 126.600 | 0.0000 | 0.0000 | 85.350 | 0.08209 | 0.00000 | 316523.1 | 199628.1 | 100632.1 | S |
| 126.608 | 0.0000 | 0.0000 | 85.350 | 0.08208 | 0.00000 | 316523.1 | 199630.5 | 100632.1 | 5 |
| 126.617 | 0.0000 | 0.0000 | 85.350 | 0.08207 | 0.00000 | 316523.1 | 199633.0 | 100632.1 | S |
| 126.625 | 0.0000 | 0.0000 | 85.349 | 0.08207 | 0.00000 | 316523.1 | 199635.5 | 100632.1 | S |
| 126.633 | 0.0000 | 0.0000 | 85.349 | 0.08206 | 0.00000 | 316523.1 | 199637.9 | 100632.1 | S |
| 126.642 | 0.0000 | 0.0000 | 85.349 | 0.08205 | 0.00000 | 316523.1 | 199640.4 | 100632.1 | S |
| 126.650 | 0.0000 | 0.0000 | 85.349 | 0.08204 | 0.00000 | 316523.1 | 199642.8 | 100632.1 | S |
| 126.658 | 0.0000 | 0.0000 | 85.349 | 0.08203 | 0.00000 | 316523.1 | 199645.3 | 100632.1 | S |
| 126.667 | 0.0000 | 0.0000 | 85.349 | 0.08203 | 0.00000 | 316523.1 | 199647.8 | 100632.1 | S |
| 126.675 | 0.0000 | 0.0000 | 85.348 | 0.08202 | 0.00000 | 316523.1 | 199650.2 | 100632.1 | S |
| 126.683 | 0.0000 | 0.0000 | 85.348 | 0.08201 | 0.00000 | 316523.1 | 199652.7 | 100632.1 | S |
| 126.692 | 0.0000 | 0.0000 | 85.348 | 0.08200 | 0.00000 | 316523.1 | 199655.1 | 100632.1 | S |
| 126.700 | 0.0000 | 0.0000 | 85.348 | 0.08199 | 0.00000 | 316523.1 | 199657.6 | 100632.1 | S |
| 126.708 | 0.0000 | 0.0000 | 85.348 | 0.08199 | 0.00000 | 316523.1 | 199660.1 | 100632.1 | S |
| 126.717 | 0.0000 | 0.0000 | 85.348 | 0.08198 | 0.00000 | 316523.1 | 199662.5 | 100632.1 | S |
| 126.725 | 0.0000 | 0.0000 | 85.347 | 0.08197 | 0.00000 | 316523.1 | 199665.0 | 100632.1 | S |
| 126.733 | 0.0000 | 0.0000 | 85.347 | 0.08196 | 0.00000 | 316523.1 | 199667.4 | 100632.1 | S |
| 126.742 | 0.0000 | 0.0000 | 85.347 | 0.08195 | 0.00000 | 316523.1 | 199669.9 | 100632.1 | S |
| 126.750 | 0.0000 | 0.0000 | 85.347 | 0.08195 | 0.00000 | 316523.1 | 199672.4 | 100632.1 | S |
| 126.758 | 0.0000 | 0.0000 | 85.347 | 0.08194 | 0.00000 | 316523.1 | 199674.8 | 100632.1 | S |
| 126.767 | 0.0000 | 0.0000 | 85.347 | 0.08193 | 0.00000 | 316523.1 | 199677.3 | 100632.1 | S |
| 126.775 | 0.0000 | 0.0000 | 85.346 | 0.08192 | 0.00000 | 316523.1 | 199679.7 | 100632.1 | S |
| 126.783 | 0.0000 | 0.0000 | 85.346 | 0.08191 | 0.00000 | 316523.1 | 199682.2 | 100632.1 | S |
| 126.792 | 0.0000 | 0.0000 | 85.346 | 0.08191 | 0.00000 | 316523.1 | 199684.6 | 100632.1 | S |
| 126.800 | 0.0000 | 0.0000 | 85.346 | 0.08190 | 0.00000 | 316523.1 | 199687.1 | 100632.1 | S |
| 126.808 | 0.0000 | 0.0000 | 85.346 | 0.08189 | 0.00000 | 316523.1 | 199689.6 | 100632.1 | S |
| 126.817 | 0.0000 | 0.0000 | 85.345 | 0.08188 | 0.00000 | 316523.1 | 199692.0 | 100632.1 | 5 |
| 126.825 | 0.0000 | 0.0000 | 85.345 | 0.08187 | 0.00000 | 316523.1 | 199694.5 | 100632.1 | S |
| 126.833 | 0.0000 | 0.0000 | 85.345 | 0.08187 | 0.00000 | 316523.1 | 199696.9 | 100632.1 | S |
| 126.842 | 0.0000 | 0.0000 | 85.345 | 0.08186 | 0.00000 | 316523.1 | 199699.4 | 100632.1 | S |
| 126.850 | 0.0000 | 0.0000 | 85.345 | 0.08185 | 0.00000 | 316523.1 | 199701.8 | 100632.1 | S |
| 126.858 | 0.0000 | 0.0000 | 85.345 | 0.08184 | 0.00000 | 316523.1 | 199704.3 | 100632.1 | S |
| 126.867 | 0.0000 | 0.0000 | 85.344 | 0.08183 | 0.00000 | 316523.1 | 199706.8 | 100632.1 | S |
| 126.875 | 0.0000 | 0.0000 | 85.344 | 0.08183 | 0.00000 | 316523.1 | 199709.2 | 100632.1 | S |
| 126.883 | 0.0000 | 0.0000 | 85.344 | 0.08182 | 0.00000 | 316523.1 | 199711.7 | 100632.1 | S |
| 126.892 | 0.0000 | 0.0000 | 85.344 | 0.08181 | 0.00000 | 316523.1 | 199714.1 | 100632.1 | S |
| 126.900 | 0.0000 | 0.0000 | 85.344 | 0.08180 | 0.00000 | 316523.1 | 199716.6 | 100632.1 | S |
| 126.908 | 0.0000 | 0.0000 | 85.344 | 0.08179 | 0.00000 | 316523.1 | 199719.0 | 100632.1 | S |
| 126.917 | 0.0000 | 0.0000 | 85.343 | 0.08179 | 0.00000 | 316523.1 | 199721.5 | 100632.1 | S |
| 126.925 | 0.0000 | 0.0000 | 85.343 | 0.08178 | 0.00000 | 316523.1 | 199723.9 | 100632.1 | S |
| 126.933 | 0.0000 | 0.0000 | 85.343 | 0.08177 | 0.00000 | 316523.1 | 199726.4 | 100632.1 | S |
| 126.942 | 0.0000 | 0.0000 | 85.343 | 0.08176 | 0.00000 | 316523.1 | 199728.8 | 100632.1 | S |
| 126.950 | 0.0000 | 0.0000 | 85.343 | 0.08175 | 0.00000 | 316523.1 | 199731.3 | 100632.4 | S |
| 126.958 | 0.0000 | 0.0000 | 85.343 | 0.08175 | 0.00000 | 316523.1 | 199733.7 | 100632.1 | S |
| 126.967 | 0.0000 | 0.0000 | 85.342 | 0.08174 | 0.00000 | 316523.1 | 199736.2 | 100632.1 | S |
| 126.975 | 0.0000 | 0.0000 | 85.342 | 0.08173 | 0.00000 | 316523.1 | 199738.6 | 100632.1 | S |
| 126.983 | 0.0000 | 0.0000 | 85.342 | 0.08172 | 0.00000 | 316523.1 | 199741.1 | 100632.4 | S |
| 126.992 | 0.0000 | 0.0000 | 85.342 | 0.08171 | 0.00000 | 316523.1 | 199743.5 | 100632.1 | S |
| \$27.000 | 0.0000 | 0.0000 | 85.342 | 0.08171 | 0.00000 | 316523.1 | 199746.0 | 100632.1 | S |
| 127.008 | 0.0000 | 0.0000 | 85.342 | 0.08170 | 0.00000 | 316523.1 | 199748.5 | 100632.1 | S |
| 127.017 | 0.0000 | 0.0000 | 85.341 | 0.08169 | 0.00000 | 316523.1 | 199750.9 | 100632.1 | S |
| 127.025 | 0.0000 | 0.0000 | 85.341 | 0.08168 | 0.00000 | 316523.1 | 199753.3 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/overflow

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft daturn) | Infiltration Rate ( $\mathrm{ft} 3 / \mathrm{s}$ ) | Overfiow Discharge (ft ${ }^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 127.033 | 0.0000 | 0.0000 | 85.341 | 0.08167 | 0.00000 | 316523.1 | 199755.8 | 100632.1 | S |
| 127.042 | 0.0000 | 0.0000 | 85.341 | 0.08167 | 0.00000 | 316523.1 | 199758.3 | 100632.1 | S |
| 127.050 | 0.0000 | 0.0000 | 85.341 | 0.08166 | 0.00000 | 316523.1 | 199760.7 | 100632.1 | S |
| 127.058 | 0.0000 | 0.0000 | 85.341 | 0.08165 | 0.00000 | 316523.1 | 199763.2 | 100632.1 | S |
| 127.067 | 0.0000 | 0.0000 | 85.340 | 0.08164 | 0.00000 | 316523.1 | 199765.6 | 100632.1 | S |
| 127.075 | 0.0000 | 0.0000 | 85.340 | 0.08163 | 0.00000 | 316523.1 | 199768.0 | 100632.1 | S |
| 127.083 | 0.0000 | 0.0000 | 85.340 | 0.08163 | 0.00000 | 316523.1 | 199770.5 | 100632.1 | S |
| 127.092 | 0.0000 | 0.0000 | 85.340 | 0.08162 | 0.00000 | 316523.1 | 199772.9 | 100632.1 | S |
| 127.100 | 0.0000 | 0.0000 | 85.340 | 0.08161 | 0.00000 | 316523.1 | 199775.4 | 100632.1 | S |
| 127.108 | 0.0000 | 0.0000 | 85.340 | 0.08160 | 0.00000 | 316523.1 | 199777.8 | 100632.1 | S |
| 127.117 | 0.0000 | 0.0000 | 85.339 | 0.08160 | 0.00000 | 316523.1 | 199780.3 | 100632.1 | S |
| 127.125 | 0.0000 | 0.0000 | 85.339 | 0.08159 | 0.00000 | 316523.1 | 199782.7 | 100632.1 | S |
| 127.133 | 0.0000 | 0.0000 | 85.339 | 0.08158 | 0.00000 | 316523.1 | 199785.2 | 100632.1 | S |
| 127.142 | 0.0000 | 0.0000 | 85.339 | 0.08157 | 0.00000 | 316523.1 | 199787.6 | 100632.1 | S |
| 127.150 | 0.0000 | 0.0000 | 85.339 | 0.08156 | 0.00000 | 316523.1 | 199790.1 | 100632.1 | S |
| 127.158 | 0.0000 | 0.0000 | 85.339 | 0.08156 | 0.00000 | 316523.1 | 199792.5 | 100632.1 | S |
| 127.167 | 0.0000 | 0.0000 | 85.338 | 0.08155 | 0.00000 | 316523.1 | 199795.0 | 100632.1 | S |
| 127.175 | 0.0000 | 0.0000 | 85.338 | 0.08154 | 0.00000 | 316523.1 | 199797.4 | 100632.1 | S |
| 127.183 | 0.0000 | 0.0000 | 85.338 | 0.08153 | 0.00000 | 316523.1 | 199799.9 | 100632.1 | S |
| 127.192 | 0.0000 | 0.0000 | 85.338 | 0.08152 | 0.00000 | 316523.1 | 199802.3 | 100632.1 | S |
| 127.200 | 0.0000 | 0.0000 | 85.338 | 0.08152 | 0.00000 | 316523.1 | 199804.8 | 100632.1 | S |
| 127.208 | 0.0000 | 0.0000 | 85.338 | 0.08151 | 0.00000 | 316523.1 | 199807.2 | 100632.1 | S |
| 127.217 | 0.0000 | 0.0000 | 85.337 | 0.08150 | 0.00000 | 316523.1 | 199809.6 | 100632.1 | S |
| 127.225 | 0.0000 | 0.0000 | 85.337 | 0.08149 | 0.00000 | 316523.1 | 199812.1 | 100632.1 | S |
| 127.233 | 0.0000 | 0.0000 | 85.337 | 0.08148 | 0.00000 | 316523.1 | 199814.5 | 100632.1 | S |
| 127.242 | 0.0000 | 0.0000 | 85.337 | 0.08148 | 0.00000 | 316523.1 | 199817.0 | 100632.1 | S |
| 127.250 | 0.0000 | 0.0000 | 85.337 | 0.08147 | 0.00000 | 316523.1 | 199819.4 | 100632.1 | S |
| 127.258 | 0.0000 | 0.0000 | 85.336 | 0.08146 | 0.00000 | 316523.1 | 199821.9 | 100632.1 | S |
| 127.267 | 0.0000 | 0.0000 | 85.336 | 0.08145 | 0.00000 | 316523.1 | 199824.3 | 100632.1 | S |
| 127.275 | 0.0000 | 0.0000 | 85.336 | 0.08144 | 0.00000 | 316523.1 | 199826.8 | 100632.1 | S |
| 127.283 | 0.0000 | 0.0000 | 85.336 | 0.08144 | 0.00000 | 316523.1 | 199829.2 | 100632.1 | S |
| 127.292 | 0.0000 | 0.0000 | 85.336 | 0.08143 | 0.00000 | 316523.1 | 199831.6 | 100632.1 | S |
| 127.300 | 0.0000 | 0.0000 | 85.336 | 0.08142 | 0.00000 | 316523.1 | 199834.1 | 100632.1 | S |
| 127.308 | 0.0000 | 0.0000 | 85.335 | 0.08141 | 0.00000 | 316523.1 | 199836.5 | 100632.1 | S |
| 127.317 | 0.0000 | 0.0000 | 85.335 | 0.08140 | 0.00000 | 316523.1 | 199839.0 | 100632.1 | S |
| 127.325 | 0.0000 | 0.0000 | 85.335 | 0.08140 | 0.00000 | 316523.1 | 199841.4 | 100632.1 | S |
| 127.333 | 0.0000 | 0.0000 | 85.335 | 0.08139 | 0.00000 | 316523.1 | 199843.9 | 100632.1 | S |
| 127.342 | 0.0000 | 0.0000 | 85.335 | 0.08138 | 0.00000 | 316523.1 | 199846.3 | 100632.1 | S |
| 127.350 | 0.0000 | 0.0000 | 85.335 | 0.08137 | 0.00000 | 316523.1 | 199848.7 | 100632.1 | S |
| 127.358 | 0.0000 | 0.0000 | 85.334 | 0.08136 | 0.00000 | 316523.1 | 199851.2 | 100632.1 | S |
| 127.367 | 0.0000 | 0.0000 | 85.334 | 0.08136 | 0.00000 | 316523.1 | 199853.6 | 100632.1 | S |
| 127.375 | 0.0000 | 0.0000 | 85.334 | 0.08135 | 0.00000 | 316523.1 | 199856.1 | 100632.1 | S |
| 127.383 | 0.0000 | 0.0000 | 85.334 | 0.08134 | 0.00000 | 316523.1 | 199858.5 | 100632.1 | S |
| 127.392 | 0.0000 | 0.0000 | 85.334 | 0.08133 | 0.00000 | 316523.1 | 199860.9 | 100632.1 | S |
| 127.400 | 0.0000 | 0.0000 | 85.334 | 0.08133 | 0.00000 | 316523.1 | 199863.4 | 100632.1 | S |
| 127.408 | 0.0000 | 0.0000 | 85.333 | 0.08132 | 0.00000 | 316523.1 | 199865.8 | 100632.1 | S |
| 127.417 | 0.0000 | 0.0000 | 85.333 | 0.08131 | 0.00000 | 316523.1 | 199868.3 | 100632.1 | S |
| 127.425 | 0.0000 | 0.0000 | 85.333 | 0.08130 | 0.00000 | 316523.1 | 199870.7 | 100632.1 | S |
| 127.433 | 0.0000 | 0.0000 | 85.333 | 0.08129 | 0.00000 | 316523.1 | 199873.1 | 100632.1 | S |
| 127.442 | 0.0000 | 0.0000 | 85.333 | 0.08129 | 0.00000 | 316523.1 | 199875.6 | 100632.1 | S |
| 127.450 | 0.0000 | 0.0000 | 85.333 | 0.08128 | 0.00000 | 316523.1 | 199878.0 | 100632.1 | S |
| 127.458 | 0.0000 | 0.0000 | 85.332 | 0.08127 | 0.00000 | 316523.1 | 199880.5 | 100632.1 | S |
| 127.467 | 0.0000 | 0.0000 | 85.332 | 0.08126 | 0.00000 | 316523.1 | 199882.9 | 100632.1 | S |
| 127.475 | 0.0000 | 0.0000 | 85.332 | 0.08125 | 0.00000 | 316523.1 | 199885.3 | 100632.1 | S |
| 127.483 | 0.0000 | 0.0000 | 85.332 | 0.08125 | 0.00000 | 316523.1 | 199887.8 | 100632.1 | S |
| 127.492 | 0.0000 | 0.0000 | 85.332 | 0.08124 | 0.00000 | 316523.1 | 199890.2 | 100632.1 | S |
| 127.500 | 0.0000 | 0.0000 | 85.332 | 0.08123 | 0.00000 | 316523.1 | 199892.6 | 100632.1 | S |
| 127.508 | 0.0000 | 0.0000 | 85.331 | 0.08122 | 0.00000 | 316523.1 | 199895.1 | 100632.1 | S |
| 127.517 | 0.0000 | 0.0000 | 85.331 | 0.08121 | 0.00000 | 316523.1 | 199897.5 | 100632.1 | S |
| 127.525 | 0.0000 | 0.0000 | 85.331 | 0.08121 | 0.00000 | 316523.1 | 199900.0 | 100632.1 | S |
| 127.533 | 0.0000 | 0.0000 | 85.331 | 0.08120 | 0.00000 | 316523.1 | 199902.4 | 100632.1 | S |
| 127.542 | 0.0000 | 0.0000 | 85.331 | 0.08119 | 0.00000 | 316523.1 | 199904.8 | 100632.1 | S |
| 127.550 | 0.0000 | 0.0000 | 85.331 | 0.08118 | 0.00000 | 316523.1 | 199907.3 | 100632.7 | S |
| 127.558 | 0.0000 | 0.0000 | 85.330 | 0.08117 | 0.00000 | 316523.1 | 199909.7 | 100632.1 | S |
| 127.567 | 0.0000 | 0.0000 | 85.330 | 0.08117 | 0.00000 | 316523.1 | 199912.1 | 100632.1 | S |
| 127.575 | 0.0000 | 0.0000 | 85.330 | 0.08116 | 0.00000 | 316523.1 | 199914.6 | 100632.1 | S |
| 127.583 | 0.0000 | 0.0000 | 85.330 | 0.08115 | 0.00000 | 316523.1 | 199917.0 | 100632.1 | S |
| 127.592 | 0.0000 | 0.0000 | 85.330 | 0.08114 | 0.00000 | 316523.1 | 199919.4 | 100632.1 | S |
| 127.600 | 0.0000 | 0.0000 | 85.330 | 0.08114 | 0.00000 | 316523.1 | 199921.9 | 100632.1 | S |
| 127.608 | 0.0000 | 0.0000 | 85.329 | 0.08113 | 0.00000 | 316523.1 | 199924.3 | 100632.1 | S |
| 127.617 | 0.0000 | 0.0000 | 85.329 | 0.08112 | 0.00000 | 316523.1 | 199926.7 | 100632.1 | S |
| 127.625 | 0.0000 | 0.0000 | 85.329 | 0.08111 | 0.00000 | 316523.1 | 199929.2 | 100632.1 | S |
| 127.633 | 0.0000 | 0.0000 | 85.329 | 0.08110 | 0.00000 | 316523.1 | 199931.6 | 100632.1 | S |
| 127.642 | 0.0000 | 0.0000 | 85.329 | 0.08110 | 0.00000 | 316523.1 | 199934.0 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (houfs) | inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (f/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{H}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | $\begin{aligned} & \text { Flow } \\ & \text { Type } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 127.650 | 0.0000 | 0.0000 | 85.329 | 0.08109 | 0.00000 | 316523.1 | 199936.5 | 100632.1 | S |
| 127.658 | 0.0000 | 0.0000 | 85.328 | 0.08108 | 0.00000 | 316523.1 | 199938.9 | 100632.1 | S |
| 127.667 | 0.0000 | 0.0000 | 85.328 | 0.08107 | 0.00000 | 316523.1 | 199941.3 | 100632.4 | S |
| 127.675 | 0.0000 | 0.0000 | 85.328 | 0.08106 | 0.00000 | 316523.1 | 199943.8 | 100632.1 | S |
| 127.683 | 0.0000 | 0.0000 | 85.328 | 0.08106 | 0.00000 | 316523.1 | 199946.2 | 100632.1 | S |
| 127.692 | 0.0000 | 0.0000 | 85.328 | 0.08105 | 0.00000 | 316523.1 | 199948.6 | 100632.1 | S |
| 127.700 | 0.0000 | 0.0000 | 85.328 | 0.08104 | 0.00000 | 316523.1 | 199951.1 | 100632.1 | S |
| 127.708 | 0.0000 | 0.0000 | 85.327 | 0.08103 | 0.00000 | 316523.1 | 199953.5 | 100632.1 | S |
| 127.717 | 0.0000 | 0.0000 | 85.327 | 0.08103 | 0.00000 | 316523.1 | 199855.9 | 100632.1 | S |
| 127.725 | 0.0000 | 0.0000 | 85.327 | 0.08102 | 0.00000 | 316523.1 | 199958.3 | 100632.1 | S |
| 127.733 | 0.0000 | 0.0000 | 85.327 | 0.08101 | 0.00000 | 316523.1 | 199960.8 | 100632.1 | S |
| 127.742 | 0.0000 | 0.0000 | 85.327 | 0.08100 | 0.00000 | 316523.1 | 199963.2 | 100632.1 | S |
| 127.750 | 0.0000 | 0.0000 | 85.327 | 0.08099 | 0.00000 | 316523.1 | 199965.6 | 100632.1 | S |
| 127.758 | 0.0000 | 0.0000 | 85.326 | 0.08099 | 0.00000 | 316523.1 | 199968.1 | 100632.1 | S |
| 127.767 | 0.0000 | 0.0000 | 85.326 | 0.08098 | 0.00000 | 316523.1 | 199970.5 | 100632.1 | S |
| 127.775 | 0.0000 | 0.0000 | 85.326 | 0.08097 | 0.00000 | 316523.1 | \$99972.9 | 100632.1 | S |
| 127.783 | 0.0000 | 0.0000 | 85.326 | 0.08096 | 0.00000 | 316523.1 | 199975.4 | 100632.1 | S |
| 127.792 | 0.0000 | 0.0000 | 85.326 | 0.08095 | 0.00000 | 316523.1 | 199977.8 | 100632.1 | S |
| 127.800 | 0.0000 | 0.0000 | 85.325 | 0.08095 | 0.00000 | 316523.1 | 199980.2 | 100632.1 | S |
| 127.808 | 0.0000 | 0.0000 | 85.325 | 0.08094 | 0.00000 | 316523.1 | 199982.6 | 100632.1 | S |
| 127.817 | 0.0000 | 0.0000 | 85.325 | 0.08093 | 0.00000 | 316523.1 | 199985.1 | 100632.1 | S |
| 127.825 | 0.0000 | 0.0000 | 85.325 | 0.08092 | 0.00000 | 316523.1 | 199987.5 | 100632.1 | S |
| 127.833 | 0.0000 | 0.0000 | 85.325 | 0.08091 | 0.00000 | 316523.1 | 199989.9 | 100632.1 | S |
| 127.842 | 0.0000 | 0.0000 | 85.325 | 0.08091 | 0.00000 | 316523.1 | 199992.4 | 100632.1 | S |
| 127.850 | 0.0000 | 0.0000 | 85.324 | 0.08090 | 0.00000 | 316523.1 | 199994.8 | 100632.1 | S |
| 127.858 | 0.0000 | 0.0000 | 85.324 | 0.08089 | 0.00000 | 316523.1 | 199997.2 | 100632.1 | S |
| 127.867 | 0.0000 | 0.0000 | 85.324 | 0.08088 | 0.00000 | 316523.1 | 199999.6 | 100632.1 | S |
| 127.875 | 0.0000 | 0.0000 | 85.324 | 0.08088 | 0.00000 | 316523.1 | 200002.1 | 100632.1 | S |
| 127.883 | 0.0000 | 0.0000 | 85.324 | 0.08087 | 0.00000 | 316523.1 | 200004.5 | 100632.1 | S |
| 127.892 | 0.0000 | 0.0000 | 85.324 | 0.08086 | 0.00000 | 316523.1 | 200006.9 | 100632.1 | S |
| 127.900 | 0.0000 | 0.0000 | 85.323 | 0.08085 | 0.00000 | 316523.1 | 200009.3 | 100632.1 | S |
| 127.908 | 0.0000 | 0.0000 | 85.323 | 0.08084 | 0.00000 | 316523.1 | 200011.8 | 100632.1 | S |
| 127.917 | 0.0000 | 0.0000 | 85.323 | 0.08084 | 0.00000 | 316523.1 | 200014.2 | 100632.1 | S |
| 127.925 | 0.0000 | 0.0000 | 85.323 | 0.08083 | 0.00000 | 316523.1 | 200016.6 | 100632.1 | S |
| 127.933 | 0.0000 | 0.0000 | 85.323 | 0.08082 | 0.00000 | 316523.1 | 200019.0 | 100632.1 | S |
| 127.942 | 0.0000 | 0.0000 | 85.323 | 0.08081 | 0.00000 | 316523.1 | 200021.5 | 100632.1 | S |
| 127.950 | 0.0000 | 0.0000 | 85.322 | 0.08081 | 0.00000 | 316523.1 | 200023.9 | 100632.1 | S |
| 127.958 | 0.0000 | 0.0000 | 85.322 | 0.08080 | 0.00000 | 316523.1 | 200026.3 | 100632.1 | S |
| 127.967 | 0.0000 | 0.0000 | 85.322 | 0.08079 | 0.00000 | 316523.1 | 200028.7 | 100632.1 | S |
| 127.975 | 0.0000 | 0.0000 | 85.322 | 0.08078 | 0.00000 | 316523.1 | 200031.2 | 700632.1 | S |
| 127.983 | 0.0000 | 0.0000 | 85.322 | 0.08077 | 0.00000 | 316523.1 | 200033.6 | 100632.1 | S |
| 127.992 | 0.0000 | 0.0000 | 85.322 | 0.08077 | 0.00000 | 316523.1 | 200036.0 | 100632.1 | S |
| 128.000 | 0.0000 | 0.0000 | 85.321 | 0.08076 | 0.00000 | 316523.1 | 200038.4 | 100632.1 | S |
| 128.008 | 0.0000 | 0.0000 | 85.321 | 0.08075 | 0.00000 | 316523.1 | 200040.8 | 100632.1 | S |
| 128.017 | 0.0000 | 0.0000 | 85.321 | 0.08074 | 0.00000 | 316523.1 | 200043.3 | 100632.1 | S |
| 128.025 | 0.0000 | 0.0000 | 85.321 | 0.08073 | 0.00000 | 316523.1 | 200045.7 | 100632.1 | S |
| 128.033 | 0.0000 | 0.0000 | 85.321 | 0.08073 | 0.00000 | 316523.1 | 200048.1 | 100632.1 | S |
| 128.042 | 0.0000 | 0.0000 | 85.321 | 0.08072 | 0.00000 | 316523.1 | 200050.5 | 100632.1 | S |
| 128.050 | 0.0000 | 0.0000 | 85.320 | 0.08071 | 0.00000 | 316523. 1 | 200053.0 | 100632.1 | S |
| 128.058 | 0.0000 | 0.0000 | 85.320 | 0.08070 | 0.00000 | 316523.1 | 200055.4 | 100632.1 | S |
| 128.067 | 0.0000 | 0.0000 | 85.320 | 0.08070 | 0.00000 | 316523.1 | 200057.8 | 100632.1 | S |
| 128.075 | 0.0000 | 0.0000 | 85.320 | 0.08069 | 0.00000 | 316523.1 | 200060.2 | 100632.1 | S |
| 128.083 | 0.0000 | 0.0000 | 85.320 | 0.08068 | 0.00000 | 316523.1 | 200062.6 | 100632.1 | S |
| 128.092 | 0.0000 | 0.0000 | 85.320 | 0.08067 | 0.00000 | 316523.1 | 200065.1 | 100632.1 | S |
| 128.100 | 0.0000 | 0.0000 | 85.319 | 0.08066 | 0.00000 | 316523.1 | 200067.5 | 100632.1 | S |
| 128.108 | 0.0000 | 0.0000 | 85.319 | 0.08066 | 0.00000 | 316523.1 | 200069.9 | 100632.1 | S |
| 128.117 | 0.0000 | 0.0000 | 85.319 | 0.08065 | 0.00000 | 316523.1 | 200072.3 | 100632.1 | S |
| \$28.125 | 0.0000 | 0.0000 | 85.319 | 0.08064 | 0.00000 | 316523.1 | 200074.7 | 100632.1 | S |
| 128.133 | 0.0000 | 0.0000 | 85.319 | 0.08063 | 0.00000 | 316523.1 | 200077.2 | 100632.1 | S |
| 128.142 | 0.0000 | 0.0000 | 85.319 | 0.08062 | 0.00000 | 316523.1 | 200079.6 | 100632.1 | S |
| 128.150 | 0.0000 | 0.0000 | 85.318 | 0.08062 | 0.00000 | 316523.1 | 200082.0 | 100632.1 | S |
| 128.158 | 0.0000 | 0.0000 | 85.318 | 0.08061 | 0.00000 | 316523.1 | 200084.4 | 100632.1 | S |
| 128.167 | 0.0000 | 0.0000 | 85.318 | 0.08060 | 0.00000 | 316523.1 | 200086.8 | 100632.1 | S |
| 128.175 | 0.0000 | 0.0000 | 85.318 | 0.08059 | 0.00000 | 316523.1 | 200089.3 | 100632.1 | S |
| 128.183 | 0.0000 | 0.0000 | 85.318 | 0.08059 | 0.00000 | 316523.1 | 200091.7 | 100632.1 | S |
| 128.192 | 0.0000 | 0.0000 | 85.318 | 0.08058 | 0.00000 | 316523.1 | 200094.1 | 100632.1 | S |
| 128.200 | 0.0000 | 0.0000 | 85.317 | 0.08057 | 0.00000 | 316523.1 | 200096.5 | 100632.1 | S |
| 128.208 | 0.0000 | 0.0000 | 85.317 | 0.08056 | 0.00000 | 316523.1 | 200098.9 | 100632.1 | S |
| 128.217 | 0.0000 | 0.0000 | 85.317 | 0.08055 | 0.00000 | 316523.1 | 200101.3 | 100632.1 | S |
| 128.225 | 0.0000 | 0.0000 | 85.317 | 0.08055 | 0.00000 | 316523.1 | 200103.8 | 100632.1 | S |
| 128.233 | 0.0000 | 0.0000 | 85.317 | 0.08054 | 0.00000 | 316523.1 | 200106.2 | 100632.1 | S |
| 128.242 | 0.0000 | 0.0000 | 85.317 | 0.08053 | 0.00000 | 316523.1 | 200108.6 | 100632.1 | S |
| 128.250 | 0.0000 | 0.0000 | 85.316 | 0.08052 | 0.00000 | 316523.1 | 200111.0 | 100632.1 | S |
| 128.258 | 0.0000 | 0.0000 | 85.316 | 0.08052 | 0.00000 | 316523.1 | 200113.4 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Outside Recharge ( $1 / / \mathrm{day}$ ) | Stage Elevation (ft datum) | Infilfration Rate ( $\mathrm{f}^{3 / 3 /}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 128.267 | 0.0000 | 0.0000 | 85.316 | 0.08051 | 0.00000 | 316523.1 | 200115.8 | 100632.1 | S |
| 128.275 | 0.0000 | 0.0000 | 85.316 | 0.08050 | 0.00000 | 316523.1 | 200118.3 | 100632.1 | S |
| 128.283 | 0.0000 | 0.0000 | 85.316 | 0.08049 | 0.00000 | 316523.1 | 200120.7 | 100632.1 | S |
| 128.292 | 0.0000 | 0.0000 | 85.316 | 0.08048 | 0.00000 | 316523.1 | 200123.1 | 100632.1 | S |
| 128.300 | 0.0000 | 0.0000 | 85.315 | 0.08048 | 0.00000 | 316523.1 | 200125.5 | 100632.1 | S |
| 128.308 | 0.0000 | 0.0000 | 85.315 | 0.08047 | 0.00000 | 316523.1 | 200127.9 | 100632.1 | S |
| 128.317 | 0.0000 | 0.0000 | 85.315 | 0.08046 | 0.00000 | 316523.1 | 200130.3 | 100632.1 | S |
| 128.325 | 0.0000 | 0.0000 | 85.315 | 0.08045 | 0.00000 | 316523.1 | 200132.7 | 100632.1 | S |
| 128.333 | 0.0000 | 0.0000 | 85.315 | 0.08045 | 0.00000 | 316523.1 | 200135.2 | 100632.1 | S |
| 128.342 | 0.0000 | 0.0000 | 85.315 | 0.08044 | 0.00000 | 316523.1 | 200137.6 | 100632.1 | S |
| 128.350 | 0.0000 | 0.0000 | 85.314 | 0.08043 | 0.00000 | 316523.1 | 200140.0 | 100632.1 | S |
| 128.358 | 0.0000 | 0.0000 | 85.314 | 0.08042 | 0.00000 | 316523.1 | 200142.4 | 100632.1 | S |
| 128.367 | 0.0000 | 0.0000 | 85.314 | 0.08041 | 0.00000 | 316523.1 | 200144.8 | 100632.1 | S |
| 128.375 | 0.0000 | 0.0000 | 85.314 | 0.08041 | 0.00000 | 316523.1 | 200147.2 | 100632.1 | S |
| 128.383 | 0.0000 | 0.0000 | 85.314 | 0.08040 | 0.00000 | 316523.1 | 200149.6 | 100632.1 | S |
| 128.392 | 0.0000 | 0.0000 | 85.314 | 0.08039 | 0.00000 | 316523.1 | 200152.0 | 100632.1 | S |
| 128.400 | 0.0000 | 0.0000 | 85.313 | 0.08038 | 0.00000 | 316523.1 | 200154.5 | 100632.1 | S |
| 128.408 | 0.0000 | 0.0000 | 85.313 | 0.08038 | 0.00000 | 316523.1 | 200156.9 | 100632.1 | S |
| 128.417 | 0.0000 | 0.0000 | 85.313 | 0.08037 | 0.00000 | 316523.1 | 200159.3 | 100632.1 | S |
| 128.425 | 0.0000 | 0.0000 | 85.313 | 0.08036 | 0.00000 | 316523.1 | 200161.7 | 100632.1 | S |
| 128.433 | 0.0000 | 0.0000 | 85.313 | 0.08035 | 0.00000 | 316523.1 | 200164.1 | 100632.1 | S |
| 128.442 | 0.0000 | 0.0000 | 85.313 | 0.08034 | 0.00000 | 316523.1 | 200166.5 | 100632.1 | S |
| 128.450 | 0.0000 | 0.0000 | 85.312 | 0.08034 | 0.00000 | 316523.1 | 200168.9 | 100632.1 | S |
| 128.458 | 0.0000 | 0.0000 | 85.312 | 0.08033 | 0.00000 | 316523.1 | 200171.3 | 100632.1 | S |
| 128.467 | 0.0000 | 0.0000 | 85.312 | 0.08032 | 0.00000 | 316523.1 | 200173.7 | 100632.1 | S |
| 128.475 | 0.0000 | 0.0000 | 85.312 | 0.08031 | 0.00000 | 316523.1 | 200176.1 | 100632.1 | S |
| 128.483 | 0.0000 | 0.0000 | 85.312 | 0.08031 | 0.00000 | 316523.1 | 200178.5 | 100632.1 | S |
| 128.492 | 0.0000 | 0.0000 | 85.312 | 0.08030 | 0.00000 | 316523.1 | 200181.0 | 100632.1 | S |
| 128.500 | 0.0000 | 0.0000 | 85.311 | 0.08029 | 0.00000 | 316523.1 | 200183.4 | 100632.1 | S |
| 128.508 | 0.0000 | 0.0000 | 85.311 | 0.08028 | 0.00000 | 316523.1 | 200185.8 | 100632.1 | S |
| 128.517 | 0.0000 | 0.0000 | 85.311 | 0.08027 | 0.00000 | 316523.1 | 200188.2 | 100632.1 | S |
| 128.525 | 0.0000 | 0.0000 | 85.311 | 0.08027 | 0.00000 | 316523.1 | 200190.6 | 100632.1 | S |
| 128.533 | 0.0000 | 0.0000 | 85.311 | 0.08026 | 0.00000 | 316523.1 | 200193.0 | 100632.1 | S |
| 128.542 | 0.0000 | 0.0000 | 85.311 | 0.08025 | 0.00000 | 316523.1 | 200195.4 | 100632.1 | S |
| 128.550 | 0.0000 | 0.0000 | 85.310 | 0.08024 | 0.00000 | 316523.1 | 200197.8 | 100632.1 | S |
| 128.558 | 0.0000 | 0.0000 | 85.310 | 0.08024 | 0.00000 | 316523.1 | 200200.2 | 100632.1 | S |
| 128.567 | 0.0000 | 0.0000 | 85.310 | 0.08023 | 0.00000 | 316523.1 | 200202.6 | 100632.1 | S |
| 128.575 | 0.0000 | 0.0000 | 85.310 | 0.08022 | 0.00000 | 316523.1 | 200205.0 | 100632.1 | S |
| 128.583 | 0.0000 | 0.0000 | 85.310 | 0.08021 | 0.00000 | 316523.1 | 200207.4 | 100632.1 | S |
| 128.592 | 0.0000 | 0.0000 | 85.310 | 0.08020 | 0.00000 | 316523.1 | 200209.8 | 100632.1 | S |
| 128.600 | 0.0000 | 0.0000 | 85.309 | 0.08020 | 0.00000 | 316523.1 | 200212.3 | 100632.1 | S |
| 128.608 | 0.0000 | 0.0000 | 85.309 | 0.08019 | 0.00000 | 316523.1 | 200214.7 | 100632.1 | S |
| 128.617 | 0.0000 | 0.0000 | 85.309 | 0.08018 | 0.00000 | 316523.1 | 200217.1 | 100632.1 | S |
| 128.625 | 0.0000 | 0.0000 | 85.309 | 0.08017 | 0.00000 | 316523.1 | 200219.5 | 100632.1 | S |
| 128.633 | 0.0000 | 0.0000 | 85.309 | 0.08017 | 0.00000 | 316523.1 | 200221.9 | 100632.1 | S |
| 128.642 | 0.0000 | 0.0000 | 85.308 | 0.08016 | 0.00000 | 316523.1 | 200224.3 | 100632.1 | S |
| 128.650 | 0.0000 | 0.0000 | 85.308 | 0.08015 | 0.00000 | 316523.1 | 200226.7 | 100632.1 | S |
| 128.658 | 0.0000 | 0.0000 | 85.308 | 0.08014 | 0.00000 | 316523.1 | 200229.1 | 100632.1 | S |
| 128.667 | 0.0000 | 0.0000 | 85.308 | 0.08013 | 0.00000 | 316523.1 | 200231.5 | 100632.1 | S |
| 128.675 | 0.0000 | 0.0000 | 85.308 | 0.08013 | 0.00000 | 316523.1 | 200233.9 | 100632.1 | S |
| 128.683 | 0.0000 | 0.0000 | 85.308 | 0.08012 | 0.00000 | 316523.1 | 200236.3 | 100632.1 | S |
| 128.692 | 0.0000 | 0.0000 | 85.307 | 0.08011 | 0.00000 | 316523.1 | 200238.7 | 100632.1 | S |
| 128.700 | 0.0000 | 0.0000 | 85.307 | 0.08010 | 0.00000 | 316523.1 | 200241.1 | 100632.1 | S |
| 128.708 | 0.0000 | 0.0000 | 85.307 | 0.08010 | 0.00000 | 316523.1 | 200243.5 | 100632.1 | S |
| 128.717 | 0.0000 | 0.0000 | 85.307 | 0.08009 | 0.00000 | 316523.1 | 200245.9 | 100632.1 | S |
| 128.725 | 0.0000 | 0.0000 | 85.307 | 0.08008 | 0.00000 | 316523.1 | 200248.3 | 100632.1 | S |
| 128.733 | 0.0000 | 0.0000 | 85.307 | 0.08007 | 0.00000 | 316523.1 | 200250.7 | 100632.1 | S |
| 128.742 | 0.0000 | 0.0000 | 85.306 | 0.08006 | 0.00000 | 316523.1 | 200253.1 | 100632.1 | S |
| 128.750 | 0.0000 | 0.0000 | 85.306 | 0.08006 | 0.00000 | 316523.1 | 200255.5 | 100632.1 | S |
| 128.758 | 0.0000 | 0.0000 | 85.306 | 0.08005 | 0.00000 | 316523.1 | 200257.9 | 100632.1 | S |
| 128.767 | 0.0000 | 0.0000 | 85.306 | 0.08004 | 0.00000 | 316523.1 | 200260.3 | 100632.1 | S |
| 128.775 | 0.0000 | 0.0000 | 85.306 | 0.08003 | 0.00000 | 316523.1 | 200262.7 | 100632.1 | S |
| 128.783 | 0.0000 | 0.0000 | 85.306 | 0.08003 | 0.00000 | 316523.1 | 200265.1 | 100632.1 | S |
| 128.792 | 0.0000 | 0.0000 | 85.305 | 0.08002 | 0.00000 | 316523.1 | 200267.5 | 100632.1 | S |
| 128.800 | 0.0000 | 0.0000 | 85.305 | 0.08001 | 0.00000 | 316523.1 | 200269.9 | 100632.1 | S |
| 128.808 | 0.0000 | 0.0000 | 85.305 | 0.08000 | 0.00000 | 316523.1 | 200272.3 | 100632.1 | S |
| 128.817 | 0.0000 | 0.0000 | 85.305 | 0.07999 | 0.00000 | 316523.1 | 200274.7 | 100632.1 | S |
| 128.825 | 0.0000 | 0.0000 | 85.305 | 0.07999 | 0.00000 | 316523.1 | 200277.1 | 100632.1 | S |
| 128.833 | 0.0000 | 0.0000 | 85.305 | 0.07998 | 0.00000 | 316523.1 | 200279.5 | 100632.1 | S |
| 128.842 | 0.0000 | 0.0000 | 85.304 | 0.07997 | 0.00000 | 316523.1 | 200281.9 | 100632.1 | S |
| 128.850 | 0.0000 | 0.0000 | 85.304 | 0.07996 | 0.00000 | 316523.1 | 200284.3 | 100632.1 | S |
| 128.858 | 0.0000 | 0.0000 | 85.304 | 0.07996 | 0.00000 | 316523.1 | 200286.7 | 100632.1 | S |
| 128.867 | 0.0000 | 0.0000 | 85.304 | 0.07995 | 0.00000 | 316523.1 | 200289.1 | 100632.1 | S |
| 128.875 | 0.0000 | 0.0000 | 85.304 | 0.07994 | 0.00000 | 316523.1 | 200291.5 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/overflow


PONDS Version 3.2.0207
Copyright 2003
Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:: Scenario $1::$ pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | infiltration Rate ( $\mathrm{H}^{3 / 3}$ ) | Overflow Discharge ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Votume ( $\mathrm{H}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 129.500 | 0.0000 | 0.0000 | 85.291 | 0.07936 | 0.00000 | 316523.1 | 200470.8 | 100632.1 | S |
| 129.508 | 0.0000 | 0.0000 | 85.291 | 0.07936 | 0.00000 | 316523.1 | 200473.1 | 100632.1 | S |
| 129.517 | 0.0000 | 0.0000 | 85.291 | 0.07935 | 0.00000 | 316523.1 | 200475.5 | 100632.1 | S |
| 129.525 | 0.0000 | 0.0000 | 85.291 | 0.07934 | 0.00000 | 316523.1 | 200477.9 | 100632.1 | S |
| 129.533 | 0.0000 | 0.0000 | 85.291 | 0.07933 | 0.00000 | 316523.1 | 200480.3 | 100632.1 | S |
| 129.542 | 0.0000 | 0.0000 | 85.290 | 0.07933 | 0.00000 | 316523.1 | 200482.6 | 100632.1 | S |
| 129.550 | 0.0000 | 0.0000 | 85.290 | 0.07932 | 0.00000 | 316523.1 | 200485.0 | 100632.1 | S |
| 129.558 | 0.0000 | 0.0000 | 85.290 | 0.07931 | 0.00000 | 316523.1 | 200487.4 | 100632.1 | S |
| 129.567 | 0.0000 | 0.0000 | 85.290 | 0.07930 | 0.00000 | 316523.1 | 200489.8 | 100632.1 | S |
| 129.575 | 0.0000 | 0.0000 | 85.290 | 0.07930 | 0.00000 | 316523.1 | 200492.2 | 100632.1 | S |
| 129.583 | 0.0000 | 0.0000 | 85.290 | 0.07929 | 0.00000 | 316523.1 | 200494.5 | 100632.1 | S |
| 129.592 | 0.0000 | 0.0000 | 85.289 | 0.07928 | 0.00000 | 316523.1 | 200496.9 | 100632.1 | S |
| 129.600 | 0.0000 | 0.0000 | 85.289 | 0.07927 | 0.00000 | 316523.1 | 200499.3 | 100632.1 | S |
| 129.608 | 0.0000 | 0.0000 | 85.289 | 0.07927 | 0.00000 | 316523.1 | 200501.7 | 100632.1 | S |
| 129.617 | 0.0000 | 0.0000 | 85.289 | 0.07926 | 0.00000 | 316523.1 | 200504.0 | 100632.1 | S |
| 129.625 | 0.0000 | 0.0000 | 85.289 | 0.07925 | 0.00000 | 316523.1 | 200506.4 | 100632.1 | S |
| 129.633 | 0.0000 | 0.0000 | 85.289 | 0.07924 | 0.00000 | 316523.1 | 200508.8 | 100632.1 | S |
| 129.642 | 0.0000 | 0.0000 | 85.288 | 0.07923 | 0.00000 | 316523.1 | 200511.2 | 100632.1 | S |
| 129.650 | 0.0000 | 0.0000 | 85.288 | 0.07923 | 0.00000 | 316523.1 | 200513.6 | 100632.1 | S |
| 129.658 | 0.0000 | 0.0000 | 85.288 | 0.07922 | 0.00000 | 316523.1 | 200515.9 | 100632.1 | S |
| 129.667 | 0.0000 | 0.0000 | 85.288 | 0.07921 | 0.00000 | 316523.1 | 200518.3 | 100632.1 | S |
| 129.675 | 0.0000 | 0.0000 | 85.288 | 0.07920 | 0.00000 | 316523.1 | 200520.7 | 100632.1 | S |
| 129.683 | 0.0000 | 0.0000 | 85.288 | 0.07920 | 0.00000 | 316523.1 | 200523.1 | 100632.1 | S |
| 129.692 | 0.0000 | 0.0000 | 85.287 | 0.07919 | 0.00000 | 316523.1 | 200525.4 | 100632.1 | S |
| 129.700 | 0.0000 | 0.0000 | 85.287 | 0.07918 | 0.00000 | 316523.1 | 200527.8 | 100632.1 | S |
| 129.708 | 0.0000 | 0.0000 | 85.287 | 0.07917 | 0.00000 | 316523.1 | 200530.2 | 100632.1 | S |
| 129.717 | 0.0000 | 0.0000 | 85.287 | 0.07917 | 0.00000 | 316523.1 | 200532.6 | 100632.1 | S |
| 129.725 | 0.0000 | 0.0000 | 85.287 | 0.07916 | 0.00000 | 316523.1 | 200534.9 | 100632.1 | S |
| 129.733 | 0.0000 | 0.0000 | 85.287 | 0.07915 | 0.00000 | 316523.1 | 200537.3 | 100632.1 | S |
| 129.742 | 0.0000 | 0.0000 | 85.286 | 0.07914 | 0.00000 | 316523.1 | 200539.7 | 100632.1 | S |
| 129.750 | 0.0000 | 0.0000 | 85.286 | 0.07914 | 0.00000 | 316523.1 | 200542.1 | 100632.1 | S |
| 129.758 | 0.0000 | 0.0000 | 85.286 | 0.07973 | 0.00000 | 316523.1 | 200544.4 | 100632.1 | S |
| 129.767 | 0.0000 | 0.0000 | 85.286 | 0.07912 | 0.00000 | 316523.1 | 200546.8 | 100632.1 | S |
| 129.775 | 0.0000 | 0.0000 | 85.286 | 0.07911 | 0.00000 | 316523.1 | 200549.2 | 100632.1 | S |
| 129.783 | 0.0000 | 0.0000 | 85.286 | 0.07910 | 0.00000 | 316523.1 | 200551.6 | 100632.1 | S |
| 129.792 | 0.0000 | 0.0000 | 85.285 | 0.07910 | 0.00000 | 316523.1 | 200553.9 | 100632.1 | S |
| 129.800 | 0.0000 | 0.0000 | 85.285 | 0.07909 | 0.00000 | 316523.1 | 200556.3 | 100632.1 | S |
| 129.808 | 0.0000 | 0.0000 | 85.285 | 0.07908 | 0.00000 | 316523.1 | 200558.7 | 100632.1 | S |
| 129.817 | 0.0000 | 0.0000 | 85.285 | 0.07907 | 0.00000 | 316523.1 | 200561.0 | 100632.1 | S |
| 129.825 | 0.0000 | 0.0000 | 85.285 | 0.07907 | 0.00000 | 316523.1 | 200563.4 | 100632.1 | S |
| 129.833 | 0.0000 | 0.0000 | 85.285 | 0.07906 | 0.00000 | 316523.1 | 200565.8 | 100632.1 | S |
| 129.842 | 0.0000 | 0.0000 | 85.284 | 0.07905 | 0.00000 | 316523.7 | 200568.2 | 100632.1 | S |
| 129.850 | 0.0000 | 0.0000 | 85.284 | 0.07904 | 0.00000 | 316523.1 | 200570.5 | 100632.1 | S |
| 129.858 | 0.0000 | 0.0000 | 85.284 | 0.07904 | 0.00000 | 316523.1 | 200572.9 | 100632.1 | S |
| 129.867 | 0.0000 | 0.0000 | 85.284 | 0.07903 | 0.00000 | 316523.1 | 200575.3 | 100632.1 | S |
| 129.875 | 0.0000 | 0.0000 | 85.284 | 0.07902 | 0.00000 | 316523.1 | 200577.7 | 100632.1 | S |
| 129.883 | 0.0000 | 0.0000 | 85.284 | 0.07901 | 0.00000 | 316523.1 | 200580.0 | 100632.1 | S |
| 129.892 | 0.0000 | 0.0000 | 85.283 | 0.07901 | 0.00000 | 316523.1 | 200582.4 | 100632.1 | S |
| 129.900 | 0.0000 | 0.0000 | 85.283 | 0.07900 | 0.00000 | 316523.1 | 200584.8 | 100632.1 | S |
| 129.908 | 0.0000 | 0.0000 | 85.283 | 0.07899 | 0.00000 | 316523.1 | 200587.1 | 100632.1 | S |
| 129.917 | 0.0000 | 0.0000 | 85.283 | 0.07898 | 0.00000 | 316523.1 | 200589.5 | 100632.1 | S |
| 129.925 | 0.0000 | 0.0000 | 85.283 | 0.07898 | 0.00000 | 316523.1 | 200591.9 | 100632.1 | S |
| 129.933 | 0.0000 | 0.0000 | 85.283 | 0.07897 | 0.00000 | 316523.1 | 200594.2 | 100632.1 | S |
| 129.942 | 0.0000 | 0.0000 | 85.282 | 0.07896 | 0.00000 | 316523.1 | 200596.6 | 100632.1 | S |
| 129.950 | 0.0000 | 0.0000 | 85.282 | 0.07895 | 0.00000 | 316523.1 | 200599.0 | 100632.1 | S |
| 129.958 | 0.0000 | 0.0000 | 85.282 | 0.07895 | 0.00000 | 316523.1 | 200601.3 | 100632.1 | S |
| 129.967 | 0.0000 | 0.0000 | 85.282 | 0.07894 | 0.00000 | 316523.1 | 200603.7 | 100632.1 | S |
| 129.975 | 0.0000 | 0.0000 | 85.282 | 0.07893 | 0.00000 | 316523.1 | 200606.1 | 100632.1 | S |
| 129.983 | 0.0000 | 0.0000 | 85.282 | 0.07892 | 0.00000 | 316523.1 | 200608.5 | 100632.1 | S |
| 129.992 | 0.0000 | 0.0000 | 85.281 | 0.07891 | 0.00000 | 316523.1 | 200610.8 | 100632.1 | S |
| 130.000 | 0.0000 | 0.0000 | 85.281 | 0.07891 | 0.00000 | 316523.1 | 200613.2 | 100632.1 | S |
| 130.008 | 0.0000 | 0.0000 | 85.281 | 0.07890 | 0.00000 | 316523.1 | 200615.5 | 100632.1 | S |
| 130.017 | 0.0000 | 0.0000 | 85.281 | 0.07889 | 0.00000 | 316523.1 | 200617.9 | 100632.1 | S |
| 130.025 | 0.0000 | 0.0000 | 85.281 | 0.07888 | 0.00000 | 316523.1 | 200620.3 | 100632.7 | S |
| 130.033 | 0.0000 | 0.0000 | 85.281 | 0.07888 | 0.00000 | 316523.1 | 200622.7 | 100632.1 | S |
| 130.042 | 0.0000 | 0.0000 | 85.280 | 0.07887 | 0.00000 | 316523.1 | 200625.0 | 100632.1 | S |
| $\ddagger 30.050$ | 0.0000 | 0.0000 | 85.280 | 0.07886 | 0.00000 | 316523.1 | 200627.4 | 100632.1 | S |
| 130.058 | 0.0000 | 0.0000 | 85.280 | 0.07885 | 0.00000 | 316523.1 | 200629.8 | 100632.1 | S |
| 130.067 | 0.0000 | 0.0000 | 85.280 | 0.07885 | 0.00000 | 316523.1 | 200632.1 | 100632.1 | S |
| 130.075 | 0.0000 | 0.0000 | 85.280 | 0.07884 | 0.00000 | 316523.1 | 200634.5 | 100632.1 | S |
| 130.083 | 0.0000 | 0.0000 | 85.280 | 0.07883 | 0.00000 | 316523.1 | 200636.8 | 100632.1 | S |
| 130.092 | 0.0000 | 0.0000 | 85.279 | 0.07882 | 0.00000 | 316523.1 | 200639.2 | 100632.1 | S |
| 130.100 | 0.0000 | 0.0000 | 85.279 | 0.07882 | 0.00000 | 316523.1 | 200641.6 | 100632.1 | S |
| 130.108 | 0.0000 | 0.0000 | 85.279 | 0.07881 | 0.00000 | 316523.1 | 200643.9 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont, d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3 / \mathrm{s})}$ ) | Overlow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 130.117 | 0.0000 | 0.0000 | 85.279 | 0.07880 | 0.00000 | 316523.1 | 200646.3 | 100632.1 | S |
| 130.125 | 0.0000 | 0.0000 | 85.279 | 0.07879 | 0.00000 | 316523.1 | 200648.7 | 100632.1 | S |
| 130.133 | 0.0000 | 0.0000 | 85.279 | 0.07879 | 0.00000 | 316523.1 | 200651.0 | 100632.1 | S |
| 130.142 | 0.0000 | 0.0000 | 85.278 | 0.07878 | 0.00000 | 316523.1 | 200653.4 | 100632.1 | S |
| 130.150 | 0.0000 | 0.0000 | 85.278 | 0.07877 | 0.00000 | 316523.1 | 200655.8 | 100632.1 | S |
| 130.158 | 0.0000 | 0.0000 | 85.278 | 0.07876 | 0.00000 | 316523.1 | 200658.1 | 100632.1 | S |
| 130.167 | 0.0000 | 0.0000 | 85.278 | 0.07876 | 0.00000 | 316523.1 | 200660.5 | 100632.1 | S |
| 130.175 | 0.0000 | 0.0000 | 85.278 | 0.07875 | 0.00000 | 316523.1 | 200662.8 | 100632.1 | S |
| 130.183 | 0.0000 | 0.0000 | 85.278 | 0.07874 | 0.00000 | 316523.1 | 200665.2 | 100632.1 | S |
| 130.192 | 0.0000 | 0.0000 | 85.277 | 0.07873 | 0.00000 | 316523.1 | 200667.6 | 100632.1 | S |
| 130.200 | 0.0000 | 0.0000 | 85.277 | 0.07873 | 0.00000 | 316523.1 | 200669.9 | 100632.1 | S |
| 130.208 | 0.0000 | 0.0000 | 85.277 | 0.07872 | 0.00000 | 316523.1 | 200672.3 | 100632.1 | S |
| 130.217 | 0.0000 | 0.0000 | 85.277 | 0.07871 | 0.00000 | 316523.1 | 200674.7 | 100632.1 | S |
| 130.225 | 0.0000 | 0.0000 | 85.277 | 0.07870 | 0.00000 | 316523.1 | 200677.0 | 100632.1 | S |
| 130.233 | 0.0000 | 0.0000 | 85.277 | 0.07870 | 0.00000 | 316523.1 | 200679.4 | 100632.1 | S |
| 130.242 | 0.0000 | 0.0000 | 85.276 | 0.07869 | 0.00000 | 316523.1 | 200681.7 | 100632.1 | S |
| 130.250 | 0.0000 | 0.0000 | 85.276 | 0.07868 | 0.00000 | 316523.1 | 200684.1 | 100632.1 | S |
| 130.258 | 0.0000 | 0.0000 | 85.276 | 0.07867 | 0.00000 | 316523.1 | 200686.5 | 100632.1 | S |
| 130.267 | 0.0000 | 0.0000 | 85.276 | 0.07867 | 0.00000 | 316523.1 | 200688.8 | 100632.1 | S |
| 130.275 | 0.0000 | 0.0000 | 85.276 | 0.07866 | 0.00000 | 316523.1 | 200691.2 | 100632.1 | S |
| 130.283 | 0.0000 | 0.0000 | 85.276 | 0.07865 | 0.00000 | 316523.1 | 200693.5 | 100632.1 | S |
| 130.292 | 0.0000 | 0.0000 | 85.275 | 0.07864 | 0.00000 | 316523.1 | 200695.9 | 100632.1 | S |
| 130.300 | 0.0000 | 0.0000 | 85.275 | 0.07863 | 0.00000 | 316523.1 | 200698.3 | 100632.1 | S |
| 130.308 | 0.0000 | 0.0000 | 85.275 | 0.07863 | 0.00000 | 316523.1 | 200700.6 | 100632.1 | S |
| 130.317 | 0.0000 | 0.0000 | 85.275 | 0.07862 | 0.00000 | 316523.1 | 200703.0 | 100632.1 | S |
| 130.325 | 0.0000 | 0.0000 | 85.275 | 0.07861 | 0.00000 | 316523.1 | 200705.3 | 100632.1 | S |
| 130.333 | 0.0000 | 0.0000 | 85.275 | 0.07860 | 0.00000 | 316523.1 | 200707.7 | 100632.1 | S |
| 130.342 | 0.0000 | 0.0000 | 85.274 | 0.07860 | 0.00000 | 316523.1 | 200710.0 | 100632.1 | S |
| 130.350 | 0.0000 | 0.0000 | 85.274 | 0.07859 | 0.00000 | 316523.1 | 200712.4 | 100632.1 | S |
| 130.358 | 0.0000 | 0.0000 | 85.274 | 0.07858 | 0.00000 | 316523.1 | 200714.8 | 100632.1 | S |
| 130.367 | 0.0000 | 0.0000 | 85.274 | 0.07857 | 0.00000 | 316523.1 | 200717.1 | 100632.1 | S |
| 130.375 | 0.0000 | 0.0000 | 85.274 | 0.07857 | 0.00000 | 316523.1 | 200719.5 | 100632.1 | S |
| 130.383 | 0.0000 | 0.0000 | 85.274 | 0.07856 | 0.00000 | 316523.1 | 200721.8 | 100632.1 | S |
| 130.392 | 0.0000 | 0.0000 | 85.274 | 0.07855 | 0.00000 | 316523.1 | 200724.2 | 100632.1 | S |
| 130.400 | 0.0000 | 0.0000 | 85.273 | 0.07854 | 0.00000 | 316523.1 | 200726.5 | 100632.1 | S |
| 130.408 | 0.0000 | 0.0000 | 85.273 | 0.07854 | 0.00000 | 316523.1 | 200728.9 | 100632.1 | S |
| 130.417 | 0.0000 | 0.0000 | 85.273 | 0.07853 | 0.00000 | 316523.1 | 200731.3 | 100632.1 | S |
| 130.425 | 0.0000 | 0.0000 | 85.273 | 0.07852 | 0.00000 | 316523.1 | 200733.6 | 100632.1 | S |
| 130.433 | 0.0000 | 0.0000 | 85.273 | 0.07851 | 0.00000 | 316523.1 | 200736.0 | 100632.1 | S |
| $\ddagger 30.442$ | 0.0000 | 0.0000 | 85.273 | 0.07851 | 0.00000 | 316523.1 | 200738.3 | 100632.1 | S |
| 130.450 | 0.0000 | 0.0000 | 85.272 | 0.07850 | 0.00000 | 316523.1 | 200740.7 | 100632.1 | S |
| 130.458 | 0.0000 | 0.0000 | 85.272 | 0.07849 | 0.00000 | 316523.1 | 200743.0 | 100632.1 | S |
| 130.467 | 0.0000 | 0.0000 | 85.272 | 0.07848 | 0.00000 | 316523.1 | 200745.4 | 100632.1 | S |
| 130.475 | 0.0000 | 0.0000 | 85.272 | 0.07848 | 0.00000 | 316523.1 | 200747.8 | 100632.1 | S |
| 130.483 | 0.0000 | 0.0000 | 85.272 | 0.07847 | 0.00000 | 316523.1 | 200750.1 | 100632.1 | S |
| 130.492 | 0.0000 | 0.0000 | 85.272 | 0.07846 | 0.00000 | 316523.1 | 200752.5 | 100632.1 | S |
| 130.500 | 0.0000 | 0.0000 | 85.271 | 0.07845 | 0.00000 | 316523.1 | 200754.8 | 100632.1 | S |
| 130.508 | 0.0000 | 0.0000 | 85.271 | 0.07845 | 0.00000 | 316523.1 | 200757.2 | 100632.1 | S |
| 130.517 | 0.0000 | 0.0000 | 85.271 | 0.07844 | 0.00000 | 316523.1 | 200759.5 | 100632.1 | S |
| 130.525 | 0.0000 | 0.0000 | 85.271 | 0.07843 | 0.00000 | 316523.1 | 200761.9 | 100632.1 | S |
| 130.533 | 0.0000 | 0.0000 | 85.271 | 0.07842 | 0.00000 | 316523.1 | 200764.2 | 100632.1 | S |
| 130.542 | 0.0000 | 0.0000 | 85.271 | 0.07842 | 0.00000 | 316523.1 | 200766.6 | 100632.1 | S |
| 130.550 | 0.0000 | 0.0000 | 85.270 | 0.07841 | 0.00000 | 316523.1 | 200768.9 | 100632.1 | S |
| 130.558 | 0.0000 | 0.0000 | 85.270 | 0.07840 | 0.00000 | 316523.1 | 200771.3 | 100632.1 | S |
| 130.567 | 0.0000 | 0.0000 | 85.270 | 0.07839 | 0.00000 | 316523.1 | 200773.6 | 100632.1 | S |
| 130.575 | 0.0000 | 0.0000 | 85.270 | 0.07839 | 0.00000 | 316523.1 | 200776.0 | 100632.1 | S |
| 130.583 | 0.0000 | 0.0000 | 85.270 | 0.07838 | 0.00000 | 316523.1 | 200778.3 | 100632.1 | S |
| 130.592 | 0.0000 | 0.0000 | 85.270 | 0.07837 | 0.00000 | 316523.1 | 200780.7 | 100632.1 | S |
| 130.600 | 0.0000 | 0.0000 | 85.269 | 0.07836 | 0.00000 | 316523.1 | 200783.0 | 100632.1 | S |
| 130.608 | 0.0000 | 0.0000 | 85.269 | 0.07836 | 0.00000 | 316523.1 | 200785.4 | 100632.1 | S |
| 130.617 | 0.0000 | 0.0000 | 85.269 | 0.07835 | 0.00000 | 316523.1 | 200787.7 | 100632.1 | S |
| 130.625 | 0.0000 | 0.0000 | 85.269 | 0.07834 | 0.00000 | 316523.1 | 200790.1 | 100632.1 | S |
| 130.633 | 0.0000 | 0.0000 | 85.269 | 0.07833 | 0.00000 | 316523.1 | 200792.4 | 100632.1 | S |
| 130.642 | 0.0000 | 0.0000 | 85.269 | 0.07833 | 0.00000 | 316523.1 | 200794.8 | 100632.1 | S |
| 130.650 | 0.0000 | 0.0000 | 85.268 | 0.07832 | 0.00000 | 316523.1 | 200797.1 | 100632.1 | S |
| 130.658 | 0.0000 | 0.0000 | 85.268 | 0.07831 | 0.00000 | 316523.1 | 200799.5 | 100632.1 | S |
| 130.667 | 0.0000 | 0.0000 | 85.268 | 0.07830 | 0.00000 | 316523.1 | 200801.8 | 100632.1 | S |
| 130.675 | 0.0000 | 0.0000 | 85.268 | 0.07830 | 0.00000 | 316523.1 | 200804.2 | 100632.1 | S |
| 130.683 | 0.0000 | 0.0000 | 85.268 | 0.07829 | 0.00000 | 316523.1 | 200806.5 | 100632.7 | S |
| 130.692 | 0.0000 | 0.0000 | 85.268 | 0.07828 | 0.00000 | 316523.1 | 200808.9 | 100632.1 | S |
| 130.700 | 0.0000 | 0.0000 | 85.267 | 0.07827 | 0.00000 | 316523.1 | 200811.2 | 100632.1 | S |
| 130.708 | 0.0000 | 0.0000 | 85.267 | 0.07827 | 0.00000 | 316523.1 | 200813.6 | 100632.1 | S |
| 130.717 | 0.0000 | 0.0000 | 85.267 | 0.07826 | 0.00000 | 316523.1 | 200815.9 | 100632.1 | S |
| 130.725 | 0.0000 | 0.0000 | 85.267 | 0.07825 | 0.00000 | 316523.1 | 200818.3 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:: Scenario $1::$ pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (f/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $t^{3}$ ) | Cumulative Discharge Volume (ft ${ }^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 130.733 | 0.0000 | 0.0000 | 85.267 | 0.07824 | 0.00000 | 316523.1 | 200820.6 | 100632.1 | S |
| 130.742 | 0.0000 | 0.0000 | 85.267 | 0.07824 | 0.00000 | 316523.1 | 200823.0 | 100632.1 | S |
| 130.750 | 0.0000 | 0.0000 | 85.266 | 0.07823 | 0.00000 | 316523.1 | 200825.3 | 100632.1 | S |
| 130.758 | 0.0000 | 0.0000 | 85.266 | 0.07822 | 0.00000 | 316523.1 | 200827.7 | 100632.1 | S |
| 130.767 | 0.0000 | 0.0000 | 85.266 | 0.07821 | 0.00000 | 316523.1 | 200830.0 | 100632.1 | S |
| 130.775 | 0.0000 | 0.0000 | 85.266 | 0.07821 | 0.00000 | 316523.1 | 200832.4 | 100632.1 | S |
| 130.783 | 0.0000 | 0.0000 | 85.266 | 0.07820 | 0.00000 | 316523.1 | 200834.7 | 100632.1 | S |
| 130.792 | 0.0000 | 0.0000 | 85.266 | 0.07819 | 0.00000 | 316523.1 | 200837.0 | 100632.1 | S |
| 130.800 | 0.0000 | 0.0000 | 85.265 | 0.07818 | 0.00000 | 316523.1 | 200839.4 | 700632.1 | S |
| 130.808 | 0.0000 | 0.0000 | 85.265 | 0.07818 | 0.00000 | 316523.1 | 200841.7 | 100632.1 | S |
| 130.817 | 0.0000 | 0.0000 | 85.265 | 0.07817 | 0.00000 | 316523.1 | 200844.1 | 100632.1 | S |
| 130.825 | 0.0000 | 0.0000 | 85.265 | 0.07816 | 0.00000 | 316523.1 | 200846.4 | 100632.1 | S |
| 130.833 | 0.0000 | 0.0000 | 85.265 | 0.07815 | 0.00000 | 316523.1 | 200848.8 | 100632.1 | S |
| 130.842 | 0.0000 | 0.0000 | 85.265 | 0.07815 | 0.00000 | 316523.1 | 200851.1 | 100632.1 | S |
| 130.850 | 0.0000 | 0.0000 | 85.264 | 0.07814 | 0.00000 | 316523.1 | 200853.5 | 100632.1 | S |
| 130.858 | 0.0000 | 0.0000 | 85.264 | 0.07813 | 0.00000 | 316523.1 | 200855.8 | 100632.1 | S |
| 130.867 | 0.0000 | 0.0000 | 85.264 | 0.07812 | 0.00000 | 316523.1 | 200858.2 | 100632.1 | S |
| 130.875 | 0.0000 | 0.0000 | 85.264 | 0.07812 | 0.00000 | 316523.1 | 200860.5 | 100632.1 | S |
| 130.883 | 0.0000 | 0.0000 | 85.264 | 0.07811 | 0.00000 | 316523.1 | 200862.8 | 100632.1 | S |
| 130.892 | 0.0000 | 0.0000 | 85.264 | 0.07810 | 0.00000 | 316523.1 | 200865.2 | 100632.1 | S |
| 130.900 | 0.0000 | 0.0000 | 85.263 | 0.07809 | 0.00000 | 316523.1 | 200867.5 | 100632.1 | S |
| 130.908 | 0.0000 | 0.0000 | 85.263 | 0.07809 | 0.00000 | 316523.1 | 200869.9 | 100632.1 | S |
| 130.917 | 0.0000 | 0.0000 | 85.263 | 0.07808 | 0.00000 | 316523.1 | 200872.2 | 100632.1 | S |
| 130.925 | 0.0000 | 0.0000 | 85.263 | 0.07807 | 0.00000 | 316523.1 | 200874.5 | 100632.1 | S |
| 130.933 | 0.0000 | 0.0000 | 85.263 | 0.07806 | 0.00000 | 316523.1 | 200876.9 | 100632.1 | S |
| 130.942 | 0.0000 | 0.0000 | 85.263 | 0.07806 | 0.00000 | 316523.1 | 200879.2 | 100632.1 | S |
| 130.950 | 0.0000 | 0.0000 | 85.262 | 0.07805 | 0.00000 | 316523.1 | 200881.6 | 100632.1 | S |
| 130.958 | 0.0000 | 0.0000 | 85.262 | 0.07804 | 0.00000 | 316523.1 | 200883.9 | 100632.1 | S |
| 130.967 | 0.0000 | 0.0000 | 85.262 | 0.07803 | 0.00000 | 316523.1 | 200886.3 | 100632.1 | S |
| 130.975 | 0.0000 | 0.0000 | 85.262 | 0.07803 | 0.00000 | 316523.1 | 200888.6 | 100632.1 | S |
| 130.983 | 0.0000 | 0.0000 | 85.262 | 0.07802 | 0.00000 | 316523.1 | 200890.9 | 100632.1 | S |
| 130.992 | 0.0000 | 0.0000 | 85.262 | 0.07801 | 0.00000 | 316523.1 | 200893.3 | 100632.1 | S |
| 131.000 | 0.0000 | 0.0000 | 85.261 | 0.07800 | 0.00000 | 316523.1 | 200895.6 | 100632.1 | S |
| 131.008 | 0.0000 | 0.0000 | 85.261 | 0.07800 | 0.00000 | 316523.1 | 200898.0 | 100632.1 | S |
| 131.017 | 0.0000 | 0.0000 | 85.261 | 0.07799 | 0.00000 | 316523.1 | 200900.3 | 100632.1 | S |
| 131.025 | 0.0000 | 0.0000 | 85.261 | 0.07798 | 0.00000 | 316523.1 | 200902.6 | 100632.1 | S |
| 131.033 | 0.0000 | 0.0000 | 85.261 | 0.07797 | 0.00000 | 316523.1 | 200905.0 | 100632.1 | S |
| 131.042 | 0.0000 | 0.0000 | 85.261 | 0.07797 | 0.00000 | 316523.1 | 200907.3 | 100632.1 | S |
| 131.050 | 0.0000 | 0.0000 | 85.260 | 0.07796 | 0.00000 | 316523.1 | 200909.7 | 100632.1 | S |
| 131.058 | 0.0000 | 0.0000 | 85.260 | 0.07795 | 0.00000 | 316523.1 | 200912.0 | 100632.1 | S |
| \$31.067 | 0.0000 | 0.0000 | 85.260 | 0.07794 | 0.00000 | 316523.1 | 200914.3 | 100632.1 | S |
| 131.075 | 0.0000 | 0.0000 | 85.260 | 0.07794 | 0.00000 | 316523.1 | 200916.7 | 100632.1 | S |
| 131.083 | 0.0000 | 0.0000 | 85.260 | 0.07793 | 0.00000 | 316523.1 | 200919.0 | 100632.1 | S |
| 131.092 | 0.0000 | 0.0000 | 85.260 | 0.07792 | 0.00000 | 316523.1 | 200921.3 | 100632.1 | S |
| 131.100 | 0.0000 | 0.0000 | 85.259 | 0.07792 | 0.00000 | 316523.1 | 200923.7 | 100632.1 | S |
| 131.108 | 0.0000 | 0.0000 | 85.259 | 0.07791 | 0.00000 | 316523.1 | 200926.0 | 100632.1 | S |
| 131.117 | 0.0000 | 0.0000 | 85.259 | 0.07790 | 0.00000 | 316523.1 | 200928.4 | 100632.1 | S |
| 131.125 | 0.0000 | 0.0000 | 85.259 | 0.07789 | 0.00000 | 316523.1 | 200930.7 | 100632.1 | S |
| 131.133 | 0.0000 | 0.0000 | 85.259 | 0.07789 | 0.00000 | 316523.1 | 200933.0 | 100632.1 | S |
| 131.142 | 0.0000 | 0.0000 | 85.259 | 0.07788 | 0.00000 | 316523.1 | 200935.4 | 100632.7 | S |
| 131.150 | 0.0000 | 0.0000 | 85.258 | 0.07787 | 0.00000 | 316523.1 | 200937.7 | 100632.1 | S |
| 131.158 | 0.0000 | 0.0000 | 85.258 | 0.07786 | 0.00000 | 316523.1 | 200940.0 | 100632.1 | S |
| 131.167 | 0.0000 | 0.0000 | 85.258 | 0.07786 | 0.00000 | 316523.1 | 200942.4 | 100632.1 | S |
| 131.175 | 0.0000 | 0.0000 | 85.258 | 0.07785 | 0.00000 | 316523.1 | 200944.7 | 100632.1 | S |
| 131.183 | 0.0000 | 0.0000 | 85.258 | 0.07784 | 0.00000 | 316523.1 | 200947.0 | 100632.1 | S |
| 131.192 | 0.0000 | 0.0000 | 85.258 | 0.07783 | 0.00000 | 316523.1 | 200949.4 | 100632.1 | S |
| 131.200 | 0.0000 | 0.0000 | 85.257 | 0.07783 | 0.00000 | 316523.1 | 200951.7 | 100632.1 | S |
| 131.208 | 0.0000 | 0.0000 | 85.257 | 0.07782 | 0.00000 | 316523.1 | 200954.1 | 100632.1 | S |
| 131.217 | 0.0000 | 0.0000 | 85.257 | 0.07781 | 0.00000 | 316523.1 | 200956.4 | 100632.1 | S |
| 131.225 | 0.0000 | 0.0000 | 85.257 | 0.07780 | 0.00000 | 316523.1 | 200958.7 | 100632.1 | S |
| 131.233 | 0.0000 | 0.0000 | 85.257 | 0.07780 | 0.00000 | 316523.1 | 200961.1 | 100632.1 | S |
| 131.242 | 0.0000 | 0.0000 | 85.257 | 0.07779 | 0.00000 | 316523.1 | 200963.4 | 100632.1 | S |
| 131.250 | 0.0000 | 0.0000 | 85.257 | 0.07778 | 0.00000 | 316523.1 | 200965.7 | 100632.1 | S |
| 131.258 | 0.0000 | 0.0000 | 85.256 | 0.07777 | 0.00000 | 316523.1 | 200968.1 | 100632.1 | S |
| 131.267 | 0.0000 | 0.0000 | 85.256 | 0.07777 | 0.00000 | 316523.1 | 200970.4 | 100632.1 | S |
| 131.275 | 0.0000 | 0.0000 | 85.256 | 0.07776 | 0.00000 | 316523.1 | 200972.7 | 100632.1 | S |
| 131.283 | 0.0000 | 0.0000 | 85.256 | 0.07775 | 0.00000 | 316523.1 | 200975.1 | 100632.1 | S |
| 131.292 | 0.0000 | 0.0000 | 85.256 | 0.07774 | 0.00000 | 316523.1 | 200977.4 | 100632.1 | S |
| 131.300 | 0.0000 | 0.0000 | 85.256 | 0.07774 | 0.00000 | 316523.1 | 200979.7 | 100632.1 | S |
| 131.308 | 0.0000 | 0.0000 | 85.255 | 0.07773 | 0.00000 | 316523.1 | 200982.1 | 100632.1 | S |
| 131.317 | 0.0000 | 0.0000 | 85.255 | 0.07772 | 0.00000 | 316523.1 | 200984.4 | 100632.1 | S |
| 131.325 | 0.0000 | 0.0000 | 85.255 | 0.07771 | 0.00000 | 316523.1 | 200986.7 | 100632.1 | S |
| 131.333 | 0.0000 | 0.0000 | 85.255 | 0.07771 | 0.00000 | 316523.1 | 200989.0 | 100632.1 | S |
| 131.342 | 0.0000 | 0.0000 | 85.255 | 0.07770 | 0.00000 | 316523.1 | 200991.4 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (fIday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{H}^{3 / \mathrm{s}}$ ) | Overlow Discharge ( $\mathrm{ft}^{2} / \mathrm{s}$ ) | Cumulative Inflow Vofume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{fl}^{3}$ ) | Cumulative <br> Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 131.350 | 0.0000 | 0.0000 | 85.255 | 0.07769 | 0.00000 | 316523.1 | 200993.7 | 100632.1 | S |
| 131.358 | 0.0000 | 0.0000 | 85.254 | 0.07768 | 0.00000 | 316523.1 | 200996.0 | 100632.4 | S |
| 131.367 | 0.0000 | 0.0000 | 85.254 | 0.07768 | 0.00000 | 316523.1 | 200998.4 | 100632.1 | S |
| 131.375 | 0.0000 | 0.0000 | 85.254 | 0.07767 | 0.00000 | 316523.1 | 201000.7 | 100632.1 | S |
| 131.383 | 0.0000 | 0.0000 | 85.254 | 0.07766 | 0.00000 | 316523.1 | 201003.0 | 100632.1 | S |
| \{31.392 | 0.0000 | 0.0000 | 85.254 | 0.07765 | 0.00000 | 316523.1 | 201005.4 | 100632.1 | S |
| 131.400 | 0.0000 | 0.0000 | 85.254 | 0.07765 | 0.00000 | 316523.1 | 201007.7 | 100632.1 | S |
| 131.408 | 0.0000 | 0.0000 | 85.253 | 0.07764 | 0.00000 | 316523.1 | 201010.0 | 100632.1 | S |
| 131.417 | 0.0000 | 0.0000 | 85.253 | 0.07763 | 0.00000 | 316523.1 | 201012.3 | 100632.1 | S |
| 131.425 | 0.0000 | 0.0000 | 85.253 | 0.07763 | 0.00000 | 316523.1 | 201014.7 | 100632.1 | S |
| 131.433 | 0.0000 | 0.0000 | 85.253 | 0.07762 | 0.00000 | 316523.1 | 201017.0 | 100632.1 | S |
| 131.442 | 0.0000 | 0.0000 | 85.253 | 0.07761 | 0.00000 | 316523.1 | 201019.3 | 100632.1 | S |
| 131.450 | 0.0000 | 0.0000 | 85.253 | 0.07760 | 0.00000 | 316523.1 | 201021.7 | 100632.1 | S |
| 131.458 | 0.0000 | 0.0000 | 85.252 | 0.07760 | 0.00000 | 316523.1 | 201024.0 | 100632.1 | S |
| 131.467 | 0.0000 | 0.0000 | 85.252 | 0.07759 | 0.00000 | 316523.1 | 201026.3 | 100632.1 | S |
| 131.475 | 0.0000 | 0.0000 | 85.252 | 0.07758 | 0.00000 | 316523.1 | 201028.6 | 100632.1 | S |
| 131.483 | 0.0000 | 0.0000 | 85.252 | 0.07757 | 0.00000 | 316523.1 | 201031.0 | 100632.1 | S |
| 131.492 | 0.0000 | 0.0000 | 85.252 | 0.07757 | 0.00000 | 316523.1 | 201033.3 | 100632.1 | S |
| 131.500 | 0.0000 | 0.0000 | 85.252 | 0.07756 | 0.00000 | 316523.1 | 201035.6 | 100632.7 | S |
| 131.508 | 0.0000 | 0.0000 | 85.251 | 0.07755 | 0.00000 | 316523.1 | 201038.0 | 100632.1 | S |
| $\dagger 31.517$ | 0.0000 | 0.0000 | 85.251 | 0.07754 | 0.00000 | 316523.1 | 201040.3 | 100632.1 | S |
| 131.525 | 0.0000 | 0.0000 | 85.251 | 0.07754 | 0.00000 | 316523.1 | 201042.6 | 100632.1 | S |
| 131.533 | 0.0000 | 0.0000 | 85.251 | 0.07753 | 0.00000 | 316523.1 | 201044.9 | 100632.1 | S |
| 131.542 | 0.0000 | 0.0000 | 85.251 | 0.07752 | 0.00000 | 316523.1 | 201047.3 | 100632.1 | S |
| 131.550 | 0.0000 | 0.0000 | 85.251 | 0.07751 | 0.00000 | 316523.1 | 201049.6 | 100632.1 | S |
| 131.558 | 0.0000 | 0.0000 | 85.250 | 0.07751 | 0.00000 | 316523.1 | 201051.9 | 100632.1 | S |
| 131.567 | 0.0000 | 0.0000 | 85.250 | 0.07750 | 0.00000 | 316523.1 | 201054.2 | 100632.1 | S |
| 131.575 | 0.0000 | 0.0000 | 85.250 | 0.07749 | 0.00000 | 316523.1 | 201056.6 | 100632.1 | S |
| 131.583 | 0.0000 | 0.0000 | 85.250 | 0.07748 | 0.00000 | 316523.1 | 201058.9 | 100632.1 | S |
| 131.592 | 0.0000 | 0.0000 | 85.250 | 0.07748 | 0.00000 | $3 \uparrow 6523.1$ | 201061.2 | 100632.1 | S |
| 131.600 | 0.0000 | 0.0000 | 85.250 | 0.07747 | 0.00000 | 316523.1 | 201063.5 | 100632.1 | S |
| 131.608 | 0.0000 | 0.0000 | 85.249 | 0.07746 | 0.00000 | 316523.1 | 201065.9 | 100632.1 | S |
| 131.617 | 0.0000 | 0.0000 | 85.249 | 0.07746 | 0.00000 | 316523.1 | 201068.2 | 100632.1 | S |
| 131.625 | 0.0000 | 0.0000 | 85.249 | 0.07745 | 0.00000 | 316523.1 | 201070.5 | 100632.1 | S |
| 131.633 | 0.0000 | 0.0000 | 85.249 | 0.07744 | 0.00000 | 316523.1 | 201072.8 | 100632.1 | S |
| 131.642 | 0.0000 | 0.0000 | 85.249 | 0.07743 | 0.00000 | 316523.1 | 201075.2 | 100632.1 | S |
| 131.650 | 0.0000 | 0.0000 | 85.249 | 0.07743 | 0.00000 | 316523.1 | 201077.5 | 100632.1 | S |
| 131.658 | 0.0000 | 0.0000 | 85.248 | 0.07742 | 0.00000 | 316523.1 | 201079.8 | 100632.1 | S |
| 131.667 | 0.0000 | 0.0000 | 85.248 | 0.07741 | 0.00000 | 316523.1 | 201082.1 | 100632.1 | S |
| 131.675 | 0.0000 | 0.0000 | 85.248 | 0.07740 | 0.00000 | 316523.1 | 201084.4 | 100632.1 | S |
| 131.683 | 0.0000 | 0.0000 | 85.248 | 0.07740 | 0.00000 | 316523.1 | 201086.8 | 100632.4 | S |
| 131.692 | 0.0000 | 0.0000 | 85.248 | 0.07739 | 0.00000 | 316523.1 | 201089.1 | 100632.1 | S |
| 131.700 | 0.0000 | 0.0000 | 85.248 | 0.07738 | 0.00000 | 316523.1 | 201091.4 | 100632.1 | S |
| 131.708 | 0.0000 | 0.0000 | 85.247 | 0.07737 | 0.00000 | 316523.1 | 201093.7 | 100632.1 | S |
| 131.717 | 0.0000 | 0.0000 | 85.247 | 0.07737 | 0.00000 | 316523.1 | 201096.0 | 100632.1 | S |
| 131.725 | 0.0000 | 0.0000 | 85.247 | 0.07736 | 0.00000 | 316523.1 | 201098.4 | 100632.1 | S |
| 131.733 | 0.0000 | 0.0000 | 85.247 | 0.07735 | 0.00000 | 316523.1 | 201100.7 | 100632.1 | S |
| 131.742 | 0.0000 | 0.0000 | 85.247 | 0.07734 | 0.00000 | 316523.1 | 201103.0 | 100632.1 | S |
| 131.750 | 0.0000 | 0.0000 | 85.247 | 0.07734 | 0.00000 | 316523.1 | 201105.3 | 100632.1 | S |
| 131.758 | 0.0000 | 0.0000 | 85.246 | 0.07733 | 0.00000 | 316523.1 | 201107.7 | 100632.1 | S |
| 131.767 | 0.0000 | 0.0000 | 85.246 | 0.07732 | 0.00000 | 316523.1 | 201110.0 | 100632.1 | S |
| 131.775 | 0.0000 | 0.0000 | 85.246 | 0.07731 | 0.00000 | 316523.1 | 201112.3 | 100632.1 | S |
| 131.783 | 0.0000 | 0.0000 | 85.246 | 0.07731 | 0.00000 | 316523.1 | 201114.6 | 100632.1 | S |
| 131.792 | 0.0000 | 0.0000 | 85.246 | 0.07730 | 0.00000 | 316523.1 | 201116.9 | 100632.1 | S |
| 131.800 | 0.0000 | 0.0000 | 85.246 | 0.07729 | 0.00000 | 316523.1 | 201119.3 | 100632.1 | S |
| 131.808 | 0.0000 | 0.0000 | 85.246 | 0.07729 | 0.00000 | 316523.1 | 201121.6 | 100632.1 | S |
| 131.817 | 0.0000 | 0.0000 | 85.245 | 0.07728 | 0.00000 | 316523.1 | 201123.9 | 100632.1 | S |
| 131.825 | 0.0000 | 0.0000 | 85.245 | 0.07727 | 0.00000 | 376523.1 | 201126.2 | 100632.1 | S |
| 131.833 | 0.0000 | 0.0000 | 85.245 | 0.07726 | 0.00000 | 316523.1 | 201128.5 | 100632.1 | S |
| 131.842 | 0.0000 | 0.0000 | 85.245 | 0.07726 | 0.00000 | 316523.1 | 201130.8 | 100632.1 | S |
| 131.850 | 0.0000 | 0.0000 | 85.245 | 0.07725 | 0.00000 | 316523.1 | 201133.2 | 100632.1 | S |
| 131.858 | 0.0000 | 0.0000 | 85.245 | 0.07724 | 0.00000 | 316523.1 | 201135.5 | 100632.1 | S |
| 131.867 | 0.0000 | 0.0000 | 85.244 | 0.07723 | 0.00000 | 316523.1 | 201137.8 | 100632.1 | S |
| 131.875 | 0.0000 | 0.0000 | 85.244 | 0.07723 | 0.00000 | 316523.1 | 201140.1 | 100632.1 | S |
| 131.883 | 0.0000 | 0.0000 | 85.244 | 0.07722 | 0.00000 | 316523.1 | 201142.4 | 100632.1 | S |
| 131.892 | 0.0000 | 0.0000 | 85.244 | 0.07721 | 0.00000 | 316523.1 | 201144.8 | 100632.1 | S |
| 131.900 | 0.0000 | 0.0000 | 85.244 | 0.07720 | 0.00000 | 316523.1 | 201147.1 | 100632.1 | S |
| 131.908 | 0.0000 | 0.0000 | 85.244 | 0.07720 | 0.00000 | 316523.1 | 201149.4 | 100632.1 | S |
| 131.917 | 0.0000 | 0.0000 | 85.243 | 0.07719 | 0.00000 | 316523.1 | 201151.7 | 100632.1 | S |
| 131.925 | 0.0000 | 0.0000 | 85.243 | 0.07718 | 0.00000 | 316523.1 | 201154.0 | 100632.1 | S |
| 131.933 | 0.0000 | 0.0000 | 85.243 | 0.07718 | 0.00000 | 316523.1 | 201156.3 | 100632.1 | S |
| 131.942 | 0.0000 | 0.0000 | 85.243 | 0.07717 | 0.00000 | 316523.1 | 201158.6 | 100632.1 | S |
| 131.950 | 0.0000 | 0.0000 | 85.243 | 0.07716 | 0.00000 | 316523.1 | 201161.0 | 100632.1 | S |
| 131.958 | 0.0000 | 0.0000 | 85.243 | 0.07715 | 0.00000 | 316523.1 | 201163.3 | 100632.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:: Scenario $1::$ pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | $\begin{aligned} & \text { Cumulative } \\ & \text { Inflow } \\ & \text { Volume }\left(\mathrm{ft}^{3}\right) \end{aligned}$ | Cumulative Infittration Volume (ft ${ }^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 131.967 | 0.0000 | 0.0000 | 85.242 | 0.07715 | 0.00000 | 316523.1 | 201165.6 | 100632.1 | S |
| 131.975 | 0.0000 | 0.0000 | 85.242 | 0.07714 | 0.00000 | 316523.1 | 201167.9 | 100632.1 | S |
| 131.983 | 0.0000 | 0.0000 | 85.242 | 0.07713 | 0.00000 | 316523.1 | 201170.2 | 100632.1 | S |
| 131.992 | 0.0000 | 0.0000 | 85.242 | 0.07712 | 0.00000 | 316523.4 | 201172.5 | 100632.1 | S |
| 132.000 | 0.0000 | 0.0000 | 85.242 | 0.07712 | 0.00000 | 316523.1 | 201174.8 | 100632.1 | S |
| 132.008 | 0.0000 | 0.0000 | 85.242 | 0.07711 | 0.00000 | 316523.1 | 201177.2 | 100632.1 | S |
| 132.017 | 0.0000 | 0.0000 | 85.241 | 0.07710 | 0.00000 | 316523.1 | 201179.5 | 100632.1 | S |
| 132.025 | 0.0000 | 0.0000 | 85.241 | 0.07709 | 0.00000 | 316523.1 | 201181.8 | 100632.1 | S |
| 132.033 | 0.0000 | 0.0000 | 85.241 | 0.07709 | 0.00000 | 316523.1 | 201184.1 | 100632.1 | S |
| 132.042 | 0.0000 | 0.0000 | 85.241 | 0.07708 | 0.00000 | 316523.1 | 201186.4 | 100632.1 | S |
| 132.050 | 0.0000 | 0.0000 | 85.241 | 0.07707 | 0.00000 | 316523.1 | 201188.7 | 100632.1 | S |
| 132.058 | 0.0000 | 0.0000 | 85.241 | 0.07706 | 0.00000 | 316523.1 | 201191.0 | 100632.1 | S |
| 132.067 | 0.0000 | 0.0000 | 85.240 | 0.07706 | 0.00000 | 316523.1 | 201193.3 | 100632.1 | S |
| 132.075 | 0.0000 | 0.0000 | 85.240 | 0.07705 | 0.00000 | 316523.1 | 201195.7 | 100632.1 | S |
| 132.083 | 0.0000 | 0.0000 | 85.240 | 0.07704 | 0.00000 | 316523.1 | 201198.0 | 100632.1 | S |
| 132.092 | 0.0000 | 0.0000 | 85.240 | 0.07704 | 0.00000 | 316523.1 | 201200.3 | 100632.1 | S |
| 132.100 | 0.0000 | 0.0000 | 85.240 | 0.07703 | 0.00000 | 316523.1 | 201202.6 | 100632.1 | S |
| 132,108 | 0.0000 | 0.0000 | 85.240 | 0.07702 | 0.00000 | 316523.1 | 201204.9 | 100632.1 | S |
| 132.117 | 0.0000 | 0.0000 | 85.239 | 0.07701 | 0.00000 | 316523.1 | 201207.2 | 100632.1 | S |
| 132.125 | 0.0000 | 0.0000 | 85.239 | 0.07701 | 0.00000 | 316523.1 | 201209.5 | 100632.1 | S |
| 132.133 | 0.0000 | 0.0000 | 85.239 | 0.07700 | 0.00000 | 316523.1 | 201211.8 | 100632.1 | S |
| 132.142 | 0.0000 | 0.0000 | 85.239 | 0.07699 | 0.00000 | 316523.1 | 201214.1 | 100632.1 | S |
| 132.150 | 0.0000 | 0.0000 | 85.239 | 0.07698 | 0.00000 | 316523.1 | 201216.4 | 100632.1 | S |
| 132.458 | 0.0000 | 0.0000 | 85.239 | 0.07698 | 0.00000 | 316523.1 | 201218.8 | 100632.1 | S |
| 132.167 | 0.0000 | 0.0000 | 85.238 | 0.07697 | 0.00000 | 316523.1 | 201221.1 | 100632.1 | S |
| 132.175 | 0.0000 | 0.0000 | 85.238 | 0.07696 | 0.00000 | 316523.1 | 201223.4 | 100632.1 | S |
| 132.183 | 0.0000 | 0.0000 | 85.238 | 0.07695 | 0.00000 | 316523.1 | 201225.7 | 100632.1 | S |
| 132.192 | 0.0000 | 0.0000 | 85.238 | 0.07695 | 0.00000 | 316523.1 | 201228.0 | 100632.1 | S |
| 132.200 | 0.0000 | 0.0000 | 85.238 | 0.07694 | 0.00000 | 316523.1 | 201230.3 | 100632.1 | S |
| 132.208 | 0.0000 | 0.0000 | 85.238 | 0.07693 | 0.00000 | 316523.1 | 201232.6 | 100632.1 | S |
| 132.217 | 0.0000 | 0.0000 | 85.237 | 0.07693 | 0.00000 | 316523.1 | 201234.9 | 100632.1 | S |
| 132.225 | 0.0000 | 0.0000 | 85.237 | 0.07692 | 0.00000 | 316523.1 | 201237.2 | 100632.1 | S |
| 132.233 | 0.0000 | 0.0000 | 85.237 | 0.07691 | 0.00000 | 316523.1 | 201239.5 | 100632.1 | S |
| 132.242 | 0.0000 | 0.0000 | 85.237 | 0.07690 | 0.00000 | 316523.1 | 201241.8 | 100632.1 | S |
| 132.250 | 0.0000 | 0.0000 | 85.237 | 0.07690 | 0.00000 | 316523.1 | 201244.1 | 100632.1 | S |
| 132.258 | 0.0000 | 0.0000 | 85.237 | 0.07689 | 0.00000 | 316523.1 | 201246.5 | 100632.1 | S |
| 132.267 | 0.0000 | 0.0000 | 85.237 | 0.07688 | 0.00000 | 316523.1 | 201248.8 | 100632.1 | S |
| 132.275 | 0.0000 | 0.0000 | 85.236 | 0.07687 | 0.00000 | 316523.1 | 201251.1 | 100632.1 | S |
| 132.283 | 0.0000 | 0.0000 | 85.236 | 0.07687 | 0.00000 | 316523.1 | 201253.4 | 100632.1 | S |
| 132.292 | 0.0000 | 0.0000 | 85.236 | 0.07686 | 0.00000 | 316523.1 | 201255.7 | 100632.1 | S |
| 132.300 | 0.0000 | 0.0000 | 85.236 | 0.07685 | 0.00000 | 316523.1 | 201258.0 | 100632.1 | S |
| 132.308 | 0.0000 | 0.0000 | 85.236 | 0.07685 | 0.00000 | 316523.1 | 201260.3 | 100632.1 | S |
| 132.317 | 0.0000 | 0.0000 | 85.236 | 0.07684 | 0.00000 | 316523.1 | 201262.6 | 100632.1 | S |
| 132.325 | 0.0000 | 0.0000 | 85.235 | 0.07683 | 0.00000 | 316523.1 | 201264.9 | 100632.1 | S |
| 132.333 | 0.0000 | 0.0000 | 85.235 | 0.07682 | 0.00000 | 316523.1 | 201267.2 | 100632.1 | S |
| 132.342 | 0.0000 | 0.0000 | 85.235 | 0.07682 | 0.00000 | 316523.1 | 201269.5 | 100632.1 | S |
| 132.350 | 0.0000 | 0.0000 | 85.235 | 0.07681 | 0.00000 | 316523.1 | 201271.8 | 100632.1 | S |
| 132.358 | 0.0000 | 0.0000 | 85.235 | 0.07680 | 0.00000 | 316523.1 | 201274.1 | 100632.1 | S |
| 132.367 | 0.0000 | 0.0000 | 85.235 | 0.07679 | 0.00000 | 316523.1 | 201276.4 | 100632.1 | S |
| 132.375 | 0.0000 | 0.0000 | 85.234 | 0.07679 | 0.00000 | 316523.1 | 201278.7 | 100632.1 | S |
| 132.383 | 0.0000 | 0.0000 | 85.234 | 0.07678 | 0.00000 | 316523.1 | 201281.0 | 100632.1 | S |
| 132.392 | 0.0000 | 0.0000 | 85.234 | 0.07677 | 0.00000 | 316523.1 | 201283.3 | 100632.1 | S |
| 132.400 | 0.0000 | 0.0000 | 85.234 | 0.07676 | 0.00000 | 316523.1 | 201285.6 | 100632.1 | S |
| 132.408 | 0.0000 | 0.0000 | 85.234 | 0.07676 | 0.00000 | 316523.1 | 201287.9 | 100632.1 | S |
| 132.417 | 0.0000 | 0.0000 | 85.234 | 0.07675 | 0.00000 | 316523.1 | 201290.2 | 100632.1 | S |
| 132.425 | 0.0000 | 0.0000 | 85.233 | 0.07674 | 0.00000 | 316523.1 | 201292.5 | 100632.1 | S |
| 132.433 | 0.0000 | 0.0000 | 85.233 | 0.07674 | 0.00000 | 316523.1 | 201294.8 | 100632.1 | S |
| 132.442 | 0.0000 | 0.0000 | 85.233 | 0.07673 | 0.00000 | 316523.1 | 201297.1 | 100632.1 | S |
| 132.450 | 0.0000 | 0.0000 | 85.233 | 0.07672 | 0.00000 | 316523.1 | 201299.4 | 100632.1 | S |
| 132.458 | 0.0000 | 0.0000 | 85.233 | 0.07671 | 0.00000 | 316523.1 | 201301.8 | 100632.1 | S |
| 132.467 | 0.0000 | 0.0000 | 85.233 | 0.07671 | 0.00000 | 316523.1 | 201304.0 | 100632.1 | S |
| 132.475 | 0.0000 | 0.0000 | 85.232 | 0.07670 | 0.00000 | 316523.1 | 201306.3 | 100632.1 | S |
| 132.483 | 0.0000 | 0.0000 | 85.232 | 0.07669 | 0.00000 | 316523.1 | 201308.7 | 100632.1 | S |
| 132.492 | 0.0000 | 0.0000 | 85.232 | 0.07668 | 0.00000 | 316523.1 | 201311.0 | 100632.1 | S |
| 132.500 | 0.0000 | 0.0000 | 85.232 | 0.07668 | 0.00000 | 316523.1 | 201313.3 | 100632.1 | S |
| 132.508 | 0.0000 | 0.0000 | 85.232 | 0.07667 | 0.00000 | 316523.1 | 201315.5 | 100632.1 | S |
| 132.517 | 0.0000 | 0.0000 | 85.232 | 0.07666 | 0.00000 | 316523.1 | 201317.8 | 100632.1 | S |
| 132.525 | 0.0000 | 0.0000 | 85.231 | 0.07666 | 0.00000 | 316523.1 | 201320.2 | 100632.1 | S |
| 132.533 | 0.0000 | 0.0000 | 85.231 | 0.07665 | 0.00000 | 316523.1 | 201322.5 | 100632.1 | S |
| 132.542 | 0.0000 | 0.0000 | 85.231 | 0.07664 | 0.00000 | 316523.1 | 201324.8 | 100632.1 | S |
| 132.550 | 0.0000 | 0.0000 | 85.231 | 0.07663 | 0.00000 | 316523.1 | 201327.0 | 100632.1 | S |
| 132.558 | 0.0000 | 0.0000 | 85.231 | 0.07663 | 0.00000 | 316523.1 | 201329.3 | 100632.1 | S |
| 132.567 | 0.0000 | 0.0000 | 85.231 | 0.07662 | 0.00000 | 316523.1 | 201331.6 | 100632.1 | S |
| 132.575 | 0.0000 | 0.0000 | 85.230 | 0.07661 | 0.00000 | 316523.1 | 201333.9 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 132.583 | 0.0000 | 0.0000 | 85.230 | 0.07660 | 0.00000 | 376523.1 | 201336.3 | 100632.1 | S |
| 132.592 | 0.0000 | 0.0000 | 85.230 | 0.07660 | 0.00000 | 316523.1 | 201338.5 | 100632.1 | S |
| 132.600 | 0.0000 | 0.0000 | 85.230 | 0.07659 | 0.00000 | 316523.1 | 201340.8 | 100632.1 | S |
| 132.608 | 0.0000 | 0.0000 | 85.230 | 0.07658 | 0.00000 | 316523.1 | 201343.1 | 100632.1 | S |
| 132.617 | 0.0000 | 0.0000 | 85.230 | 0.07658 | 0.00000 | 316523.1 | 201345.4 | 100632.1 | S |
| 132.625 | 0.0000 | 0.0000 | 85.229 | 0.07657 | 0.00000 | 316523.1 | 201347.7 | 100632.1 | S |
| 132.633 | 0.0000 | 0.0000 | 85.229 | 0.07656 | 0.00000 | 316523.1 | 201350.0 | 100632.1 | S |
| 132.642 | 0.0000 | 0.0000 | 85.229 | 0.07655 | 0.00000 | 316523.1 | 201352.3 | 100632.1 | S |
| 132.650 | 0.0000 | 0.0000 | 85.229 | 0.07655 | 0.00000 | 316523.1 | 201354.6 | 100632.1 | S |
| 132.658 | 0.0000 | 0.0000 | 85.229 | 0.07654 | 0.00000 | 316523.1 | 201356.9 | 100632.1 | S |
| 132.667 | 0.0000 | 0.0000 | 85.229 | 0.07653 | 0.00000 | 316523.1 | 201359.2 | 100632.1 | S |
| 132.675 | 0.0000 | 0.0000 | 85.229 | 0.07652 | 0.00000 | 316523.1 | 201361.5 | 100632.1 | S |
| 132.683 | 0.0000 | 0.0000 | 85.228 | 0.07652 | 0.00000 | 316523.1 | 201363.8 | 100632.1 | S |
| 132.692 | 0.0000 | 0.0000 | 85.228 | 0.07651 | 0.00000 | 316523.1 | 201366.1 | 100632.1 | S |
| 132.700 | 0.0000 | 0.0000 | 85.228 | 0.07650 | 0.00000 | 316523.1 | 201368.4 | 100632.1 | S |
| 132.708 | 0.0000 | 0.0000 | 85.228 | 0.07650 | 0.00000 | 316523.1 | 201370.7 | 100632.1 | S |
| 132.717 | 0.0000 | 0.0000 | 85.228 | 0.07649 | 0.00000 | 316523.1 | 201373.0 | 100632.1 | S |
| 132.725 | 0.0000 | 0.0000 | 85.228 | 0.07648 | 0.00000 | 316523.1 | 201375.3 | 100632.1 | S |
| 132.733 | 0.0000 | 0.0000 | 85.227 | 0.07647 | 0.00000 | 316523.1 | 201377.6 | 100632.1 | S |
| 132.742 | 0.0000 | 0.0000 | 85.227 | 0.07647 | 0.00000 | 316523.1 | 201379.9 | 100632.1 | S |
| 132.750 | 0.0000 | 0.0000 | 85.227 | 0.07646 | 0.00000 | 316523.1 | 201382.2 | 100632.1 | S |
| 132.758 | 0.0000 | 0.0000 | 85.227 | 0.07645 | 0.00000 | 316523.1 | 201384.5 | 100632.1 | S |
| 132.767 | 0.0000 | 0.0000 | 85.227 | 0.07644 | 0.00000 | 316523.1 | 201386.8 | 100632.1 | S |
| 132.775 | 0.0000 | 0.0000 | 85.227 | 0.07644 | 0.00000 | 316523.1 | 201389.0 | 100632.1 | S |
| 132.783 | 0.0000 | 0.0000 | 85.226 | 0.07643 | 0.00000 | 316523.1 | 201391.3 | 100632.1 | S |
| 132.792 | 0.0000 | 0.0000 | 85.226 | 0.07642 | 0.00000 | 376523.1 | 201393.6 | 100632.1 | S |
| 132.800 | 0.0000 | 0.0000 | 85.226 | 0.07642 | 0.00000 | 316523.1 | 201395.9 | 100632.1 | S |
| 132.808 | 0.0000 | 0.0000 | 85.226 | 0.07641 | 0.00000 | 316523.1 | 201398.2 | 100632.1 | S |
| 132.817 | 0.0000 | 0.0000 | 85.226 | 0.07640 | 0.00000 | 316523.1 | 201400.5 | 100632.1 | S |
| 132.825 | 0.0000 | 0.0000 | 85.226 | 0.07639 | 0.00000 | 316523.1 | 201402.8 | 100632.1 | S |
| 132.833 | 0.0000 | 0.0000 | 85.225 | 0.07639 | 0.00000 | 316523.1 | 201405.1 | 100632.1 | S |
| 132.842 | 0.0000 | 0.0000 | 85.225 | 0.07638 | 0.00000 | 316523.1 | 201407.4 | 100632.1 | S |
| 132.850 | 0.0000 | 0.0000 | 85.225 | 0.07637 | 0.00000 | 316523.1 | 201409.7 | 100632.1 | S |
| 132.858 | 0.0000 | 0.0000 | 85.225 | 0.07637 | 0.00000 | 316523.1 | 201412.0 | 100632.1 | S |
| 132.867 | 0.0000 | 0.0000 | 85.225 | 0.07636 | 0.00000 | 316523.1 | 201414.3 | 100632.1 | S |
| 132.875 | 0.0000 | 0.0000 | 85.225 | 0.07635 | 0.00000 | 316523.1 | 201416.5 | 100632.1 | S |
| 132.883 | 0.0000 | 0.0000 | 85.224 | 0.07634 | 0.00000 | 316523.1 | 201418.8 | 100632.1 | S |
| 132.892 | 0.0000 | 0.0000 | 85.224 | 0.07634 | 0.00000 | 316523.1 | 201421.1 | 100632.1 | S |
| 132.900 | 0.0000 | 0.0000 | 85.224 | 0.07633 | 0.00000 | 316523.1 | 201423.4 | 100632.1 | S |
| 132.908 | 0.0000 | 0.0000 | 85.224 | 0.07632 | 0.00000 | 316523.1 | 201425.7 | 100632.1 | S |
| 132.917 | 0.0000 | 0.0000 | 85.224 | 0.07631 | 0.00000 | 316523.1 | 201428.0 | 100632.1 | S |
| 132.925 | 0.0000 | 0.0000 | 85.224 | 0.07631 | 0.00000 | 316523.1 | 201430.3 | 100632.1 | S |
| 132.933 | 0.0000 | 0.0000 | 85.223 | 0.07630 | 0.00000 | 316523.1 | 201432.6 | 100632.1 | S |
| 132.942 | 0.0000 | 0.0000 | 85.223 | 0.07629 | 0.00000 | 316523.1 | 201434.9 | 100632.1 | S |
| 132.950 | 0.0000 | 0.0000 | 85.223 | 0.07629 | 0.00000 | 316523.1 | 201437.2 | 100632.1 | S |
| 132.958 | 0.0000 | 0.0000 | 85.223 | 0.07628 | 0.00000 | 316523.1 | 201439.4 | 100632.1 | S |
| 132.967 | 0.0000 | 0.0000 | 85.223 | 0.07627 | 0.00000 | 316523.1 | 201441.7 | 100632.1 | S |
| 132.975 | 0.0000 | 0.0000 | 85.223 | 0.07626 | 0.00000 | 316523.1 | 201444.0 | 100632.1 | S |
| 132.983 | 0.0000 | 0.0000 | 85.222 | 0.07626 | 0.00000 | 316523.1 | 201446.3 | 100632.1 | S |
| 132.992 | 0.0000 | 0.0000 | 85.222 | 0.07625 | 0.00000 | 316523.1 | 201448.6 | 100632.1 | S |
| 133.000 | 0.0000 | 0.0000 | 85.222 | 0.07624 | 0.00000 | 316523.1 | 201450.9 | 100632.1 | S |
| 133.008 | 0.0000 | 0.0000 | 85.222 | 0.07623 | 0.00000 | 316523.1 | 201453.2 | 100632.1 | S |
| 133.017 | 0.0000 | 0.0000 | 85.222 | 0.07623 | 0.00000 | 316523.1 | 201455.5 | 100632.1 | S |
| 133.025 | 0.0000 | 0.0000 | 85.222 | 0.07622 | 0.00000 | 316523.1 | 201457.7 | 100632.1 | S |
| 133.033 | 0.0000 | 0.0000 | 85.222 | 0.07621 | 0.00000 | 316523.1 | 201460.0 | 100632.1 | S |
| 133.042 | 0.0000 | 0.0000 | 85.221 | 0.07621 | 0.00000 | 316523.1 | 201462.3 | 100632.1 | S |
| 133.050 | 0.0000 | 0.0000 | 85.221 | 0.07620 | 0.00000 | 316523.1 | 201464.6 | 100632.1 | S |
| 133.058 | 0.0000 | 0.0000 | 85.221 | 0.07619 | 0.00000 | 316523.1 | 201466.9 | 100632.1 | S |
| 133.067 | 0.0000 | 0.0000 | 85.221 | 0.07618 | 0.00000 | 316523.1 | 201469.2 | 100632.1 | S |
| 133.075 | 0.0000 | 0.0000 | 85.221 | 0.07618 | 0.00000 | 316523.1 | 201471.5 | 100632.1 | S |
| 133.083 | 0.0000 | 0.0000 | 85.221 | 0.07617 | 0.00000 | 316523.1 | 201473.7 | 100632.1 | S |
| 133.092 | 0.0000 | 0.0000 | 85.220 | 0.07616 | 0.00000 | 316523.1 | 201476.0 | 100632.1 | S |
| 133.100 | 0.0000 | 0.0000 | 85.220 | 0.07616 | 0.00000 | 316523.1 | 201478.3 | 100632.1 | S |
| 133.108 | 0.0000 | 0.0000 | 85.220 | 0.07615 | 0.00000 | 316523.1 | 201480.6 | 100632.1 | S |
| 133.117 | 0.0000 | 0.0000 | 85.220 | 0.07614 | 0.00000 | 316523.1 | 201482.9 | 100632.1 | S |
| 133.125 | 0.0000 | 0.0000 | 85.220 | 0.07613 | 0.00000 | 316523.1 | 201485.2 | 100632.1 | S |
| 133.133 | 0.0000 | 0.0000 | 85.220 | 0.07613 | 0.00000 | 316523.1 | 201487.5 | 100632.1 | S |
| 133.142 | 0.0000 | 0.0000 | 85.219 | 0.07612 | 0.00000 | 316523.1 | 201489.7 | 100632.1 | S |
| 133.150 | 0.0000 | 0.0000 | 85.219 | 0.07611 | 0.00000 | 316523.1 | 201492.0 | 100632.1 | S |
| 133.158 | 0.0000 | 0.0000 | 85.219 | 0.07611 | 0.00000 | 316523.1 | 201494.3 | 100632.1 | S |
| 133.167 | 0.0000 | 0.0000 | 85.219 | 0.07610 | 0.00000 | 316523.1 | 201496.6 | 100632.1 | S |
| 133.175 | 0.0000 | 0.0000 | 85.219 | 0.07609 | 0.00000 | 316523.1 | 201498.9 | 100632.1 | S |
| 133.183 | 0.0000 | 0.0000 | 85.219 | 0.07608 | 0.00000 | 316523.1 | 201501.1 | 100632.1 | S |
| 133.192 | 0.0000 | 0.0000 | 85.218 | 0.07608 | 0.00000 | 316523.1 | 201503.4 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / 5}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 133.200 | 0.0000 | 0.0000 | 85.218 | 0.07607 | 0.00000 | 316523.1 | 201505.7 | 100632.1 | S |
| 133.208 | 0.0000 | 0.0000 | 85.218 | 0.07606 | 0.00000 | 316523.1 | 201508.0 | 100632.1 | S |
| 133.217 | 0.0000 | 0.0000 | 85.218 | 0.07605 | 0.00000 | 316523.1 | 201510.3 | 100632.1 | S |
| 133.225 | 0.0000 | 0.0000 | 85.218 | 0.07605 | 0.00000 | 316523.1 | 201512.5 | 100632.1 | S |
| 133.233 | 0.0000 | 0.0000 | 85.218 | 0.07604 | 0.00000 | 316523.1 | 201514.8 | 100632.1 | S |
| 133.242 | 0.0000 | 0.0000 | 85.217 | 0.07603 | 0.00000 | 316523.1 | 201517.1 | 100632.1 | S |
| 133.250 | 0.0000 | 0.0000 | 85.217 | 0.07603 | 0.00000 | 316523.1 | 201519.4 | 100632.1 | S |
| 133.258 | 0.0000 | 0.0000 | 85.217 | 0.07602 | 0.00000 | 316523.1 | 201521.7 | 100632.1 | S |
| 133.267 | 0.0000 | 0.0000 | 85.217 | 0.07601 | 0.00000 | 316523.1 | 201524.0 | 100632.1 | S |
| 133.275 | 0.0000 | 0.0000 | 85.217 | 0.07600 | 0.00000 | 316523.1 | 201526.2 | 100632.1 | S |
| 133.283 | 0.0000 | 0.0000 | 85.217 | 0.07600 | 0.00000 | 316523.1 | 201528.5 | 100632.1 | S |
| 133.292 | 0.0000 | 0.0000 | 85.216 | 0.07599 | 0.00000 | 316523.1 | 201530.8 | 100632.1 | S |
| 133.300 | 0.0000 | 0.0000 | 85.216 | 0.07598 | 0.00000 | 316523.1 | 201533.1 | 100632.1 | S |
| 133.308 | 0.0000 | 0.0000 | 85.216 | 0.07598 | 0.00000 | 316523.1 | 201535.4 | 100632.1 | S |
| 133.317 | 0.0000 | 0.0000 | 85.216 | 0.07597 | 0.00000 | 316523.1 | 201537.6 | 100632.1 | S |
| 133.325 | 0.0000 | 0.0000 | 85.216 | 0.07596 | 0.00000 | 316523.1 | 201539.9 | 100632.1 | S |
| 133.333 | 0.0000 | 0.0000 | 85.216 | 0.07595 | 0.00000 | 316523.1 | 201542.2 | 100632.1 | S |
| 133.342 | 0.0000 | 0.0000 | 85.216 | 0.07595 | 0.00000 | 316523.1 | 201544.5 | 100632.1 | S |
| 133.350 | 0.0000 | 0.0000 | 85.215 | 0.07594 | 0.00000 | 316523.1 | 201546.8 | 100632.1 | S |
| 133.358 | 0.0000 | 0.0000 | 85.215 | 0.07593 | 0.00000 | 316523.1 | 201549.0 | 100632.1 | S |
| 133.367 | 0.0000 | 0.0000 | 85.215 | 0.07593 | 0.00000 | 316523.1 | 201551.3 | 100632.1 | S |
| 133.375 | 0.0000 | 0.0000 | 85.215 | 0.07592 | 0.00000 | 316523.1 | 201553.6 | 100632.1 | S |
| 133.383 | 0.0000 | 0.0000 | 85.215 | 0.07591 | 0.00000 | 316523.1 | 201555.9 | 100632.1 | S |
| 133.392 | 0.0000 | 0.0000 | 85.215 | 0.07590 | 0.00000 | 316523.1 | 201558.1 | 100632.1 | S |
| 133.400 | 0.0000 | 0.0000 | 85.214 | 0.07590 | 0.00000 | 316523.1 | 201560.4 | 100632.1 | S |
| 133.408 | 0.0000 | 0.0000 | 85.214 | 0.07589 | 0.00000 | 316523.1 | 201562.7 | 100632.1 | S |
| 133.417 | 0.0000 | 0.0000 | 85.214 | 0.07588 | 0.00000 | 316523.1 | 201565.0 | 100632.1 | S |
| 133.425 | 0.0000 | 0.0000 | 85.214 | 0.07587 | 0.00000 | 316523.1 | 201567.3 | 100632.1 | S |
| 133.433 | 0.0000 | 0.0000 | 85.214 | 0.07587 | 0.00000 | 316523.1 | 201569.5 | 100632.1 | S |
| 133.442 | 0.0000 | 0.0000 | 85.214 | 0.07586 | 0.00000 | 316523.1 | 201571.8 | 100632.1 | S |
| 133.450 | 0.0000 | 0.0000 | 85.213 | 0.07585 | 0.00000 | 316523.1 | 201574.1 | 100632.1 | S |
| 133.458 | 0.0000 | 0.0000 | 85.213 | 0.07585 | 0.00000 | 316523.1 | 201576.3 | 100632.1 | S |
| 133.467 | 0.0000 | 0.0000 | 85.213 | 0.07584 | 0.00000 | 316523.1 | 201578.6 | 100632.1 | S |
| 133.475 | 0.0000 | 0.0000 | 85.213 | 0.07583 | 0.00000 | 316523.1 | 201580.9 | 100632.1 | S |
| 133.483 | 0.0000 | 0.0000 | 85.213 | 0.07582 | 0.00000 | 316523.1 | 201583.2 | 100632.1 | S |
| 133.492 | 0.0000 | 0.0000 | 85.213 | 0.07582 | 0.00000 | 316523.1 | 201585.5 | 100632.1 | S |
| 133.500 | 0.0000 | 0.0000 | 85.212 | 0.07581 | 0.00000 | 316523.1 | 201587.7 | 100632.1 | S |
| 133.508 | 0.0000 | 0.0000 | 85.212 | 0.07580 | 0.00000 | 316523.1 | 201590.0 | 100632.1 | S |
| 133.517 | 0.0000 | 0.0000 | 85.212 | 0.07580 | 0.00000 | 316523.1 | 201592.3 | 100632.1 | S |
| 133.525 | 0.0000 | 0.0000 | 85.212 | 0.07579 | 0.00000 | 316523.1 | 201594.5 | 100632.1 | S |
| 133.533 | 0.0000 | 0.0000 | 85.212 | 0.07578 | 0.00000 | 316523.1 | 201596.8 | 100632.1 | S |
| 133.542 | 0.0000 | 0.0000 | 85.212 | 0.07577 | 0.00000 | 316523.1 | 201599.1 | 100632.1 | S |
| 133.550 | 0.0000 | 0.0000 | 85.211 | 0.07577 | 0.00000 | 316523.1 | 201601.4 | 100632.1 | S |
| 133.558 | 0.0000 | 0.0000 | 85.211 | 0.07576 | 0.00000 | 316523.1 | 201603.6 | 100632.1 | S |
| 133.567 | 0.0000 | 0.0000 | 85.211 | 0.07575 | 0.00000 | 316523.1 | 201605.9 | 100632.1 | S |
| 133.575 | 0.0000 | 0.0000 | 85.211 | 0.07575 | 0.00000 | 316523.1 | 201608.2 | 100632.1 | S |
| 133.583 | 0.0000 | 0.0000 | 85.211 | 0.07574 | 0.00000 | 316523.1 | 201610.5 | 100632.1 | S |
| 133.592 | 0.0000 | 0.0000 | 85.211 | 0.07573 | 0.00000 | 316523.1 | 201612.7 | 100632.1 | S |
| 133.600 | 0.0000 | 0.0000 | 85.210 | 0.07572 | 0.00000 | 316523.1 | 201615.0 | 100632.1 | S |
| 133.608 | 0.0000 | 0.0000 | 85.210 | 0.07572 | 0.00000 | 316523.1 | 201617.3 | 100632.1 | S |
| 133.617 | 0.0000 | 0.0000 | 85.210 | 0.07571 | 0.00000 | 316523.1 | 201619.5 | 100632.1 | S |
| 133.625 | 0.0000 | 0.0000 | 85.210 | 0.07570 | 0.00000 | 316523.1 | 201621.8 | 100632.1 | S |
| 133.633 | 0.0000 | 0.0000 | 85.210 | 0.07570 | 0.00000 | 316523.1 | 201624.1 | 100632.1 | S |
| 133.642 | 0,0000 | 0.0000 | 85.210 | 0.07569 | 0.00000 | 316523.1 | 201626.4 | 100632.1 | S |
| 133.650 | 0.0000 | 0.0000 | 85.210 | 0.07568 | 0.00000 | 316523.1 | 201628.6 | 100632.1 | S |
| 133.658 | 0.0000 | 0.0000 | 85.209 | 0.07567 | 0.00000 | 316523.1 | 201630.9 | 100632.1 | S |
| 133.667 | 0.0000 | 0.0000 | 85.209 | 0.07567 | 0.00000 | 316523.1 | 201633.2 | 100632.1 | S |
| 133.675 | 0.0000 | 0.0000 | 85.209 | 0.07566 | 0.00000 | 316523.1 | 201635.4 | 100632.1 | S |
| 133.683 | 0.0000 | 0.0000 | 85.209 | 0.07565 | 0.00000 | 316523.1 | 201637.7 | 100632.1 | S |
| 133.692 | 0.0000 | 0.0000 | 85.209 | 0.07565 | 0.00000 | 316523.1 | 201640.0 | 100632.1 | S |
| 133.700 | 0.0000 | 0.0000 | 85.209 | 0.07564 | 0.00000 | 316523.1 | 201642.3 | 100632.1 | S |
| 133.708 | 0.0000 | 0.0000 | 85.208 | 0.07563 | 0.00000 | 316523.1 | 201644.5 | 100632.1 | S |
| 133.717 | 0.0000 | 0.0000 | 85.208 | 0.07562 | 0.00000 | 316523.1 | 201646.8 | 100632.1 | S |
| 133.725 | 0.0000 | 0.0000 | 85.208 | 0.07562 | 0.00000 | 316523.1 | 201649.0 | 100632.1 | S |
| 133.733 | 0.0000 | 0.0000 | 85.208 | 0.07561 | 0.00000 | 316523.1 | 201651.3 | 100632.1 | S |
| 133.742 | 0.0000 | 0.0000 | 85.208 | 0.07560 | 0.00000 | 316523.1 | 201653.6 | 100632.1 | S |
| 133.750 | 0.0000 | 0.0000 | 85.208 | 0.07560 | 0.00000 | 316523.1 | 201655.9 | 100632.1 | S |
| 133.758 | 0.0000 | 0.0000 | 85.207 | 0.07559 | 0.00000 | 316523.1 | 201658.1 | 100632.1 | S |
| 133.767 | 0.0000 | 0.0000 | 85.207 | 0.07558 | 0.00000 | 316523.1 | 201660.4 | 100632.1 | S |
| 133.775 | 0.0000 | 0.0000 | 85.207 | 0.07557 | 0.00000 | 316523.1 | 201662.7 | 100632.1 | S |
| 133.783 | 0.0000 | 0.0000 | 85.207 | 0.07557 | 0.00000 | 316523.1 | 201664.9 | 100632.1 | S |
| 133.792 | 0.0000 | 0.0000 | 85.207 | 0.07556 | 0.00000 | 316523.1 | 201667.2 | 100632.1 | S |
| 133.800 | 0.0000 | 0.0000 | 85.207 | 0.07555 | 0.00000 | 316523.1 | 201669.5 | 100632.1 | S |
| 133.808 | 0.0000 | 0.0000 | 85.206 | 0.07555 | 0.00000 | 316523.1 | 201671.7 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Infiow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate $\left(\mathrm{f}^{3 /} / \mathrm{s}\right)$ | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 133.817 | 0.0000 | 0.0000 | 85.206 | 0.07554 | 0.00000 | 316523.1 | 201674.0 | 100632.1 | S |
| 133.825 | 0.0000 | 0.0000 | 85.206 | 0.07553 | 0.00000 | 316523.1 | 201676.3 | 100632.1 | S |
| 133.833 | 0.0000 | 0.0000 | 85.206 | 0.07552 | 0.00000 | 316523.1 | 201678.5 | 100632.1 | S |
| 133.842 | 0.0000 | 0.0000 | 85.206 | 0.07552 | 0.00000 | 316523.1 | 201680.8 | 100632.1 | S |
| 133.850 | 0.0000 | 0.0000 | 85.206 | 0.07551 | 0.00000 | 316523.1 | 201683.1 | 100632.1 | S |
| 133.858 | 0.0000 | 0.0000 | 85.205 | 0.07550 | 0.00000 | 316523.1 | 201685.3 | 100632.1 | S |
| 133.867 | 0.0000 | 0.0000 | 85.205 | 0.07550 | 0.00000 | 316523.1 | 201687.6 | 100632.1 | S |
| 133.875 | 0.0000 | 0.0000 | 85.205 | 0.07549 | 0.00000 | 316523.1 | 201689.8 | 100632.1 | S |
| 133.883 | 0.0000 | 0.0000 | 85.205 | 0.07548 | 0.00000 | 316523.1 | 201692.1 | 100632.1 | S |
| 133.892 | 0.0000 | 0.0000 | 85.205 | 0.07547 | 0.00000 | 316523.1 | 201694.4 | 100632.1 | S |
| 133.900 | 0.0000 | 0.0000 | 85.205 | 0.07547 | 0.00000 | 316523.1 | 201696.6 | 100632.1 | S |
| 133.908 | 0.0000 | 0.0000 | 85.205 | 0.07546 | 0.00000 | 316523.1 | 201698.9 | 100632.1 | S |
| 133.917 | 0.0000 | 0.0000 | 85.204 | 0.07545 | 0.00000 | 316523.1 | 201701.2 | 100632.1 | S |
| 133.925 | 0.0000 | 0.0000 | 85.204 | 0.07545 | 0.00000 | 316523.1 | 201703.4 | 100632.1 | S |
| 133.933 | 0.0000 | 0.0000 | 85.204 | 0.07544 | 0.00000 | 316523.1 | 201705.7 | 100632.1 | S |
| 133.942 | 0.0000 | 0.0000 | 85.204 | 0.07543 | 0.00000 | 316523.1 | 201708.0 | 100632.1 | S |
| 133.950 | 0.0000 | 0.0000 | 85.204 | 0.07542 | 0.00000 | 316523.1 | 201710.2 | 100632.1 | S |
| 133.958 | 0.0000 | 0.0000 | 85.204 | 0.07542 | 0.00000 | 316523.1 | 201712.5 | 100632.1 | S |
| 133.967 | 0.0000 | 0.0000 | 85.203 | 0.07541 | 0.00000 | 316523.1 | 201714.8 | 100632.1 | S |
| 133.975 | 0.0000 | 0.0000 | 85.203 | 0.07540 | 0.00000 | 316523.1 | 201717.0 | 100632.1 | S |
| 133.983 | 0.0000 | 0.0000 | 85.203 | 0.07540 | 0.00000 | 316523.1 | 201719.3 | 100632.1 | S |
| 133.992 | 0.0000 | 0.0000 | 85.203 | 0.07539 | 0.00000 | 316523.1 | 201721.5 | 100632.1 | S |
| 134.000 | 0.0000 | 0.0000 | 85.203 | 0.07538 | 0.00000 | 316523.1 | 201723.8 | 100632.1 | S |
| 134.008 | 0.0000 | 0.0000 | 85.203 | 0.07537 | 0.00000 | 316523.1 | 201726.1 | 100632.1 | S |
| 134.017 | 0.0000 | 0.0000 | 85.202 | 0.07537 | 0.00000 | 316523.1 | 201728.3 | 100632.1 | S |
| 134.025 | 0.0000 | 0.0000 | 85.202 | 0.07536 | 0.00000 | 316523.1 | 201730.6 | 100632.1 | S |
| 134.033 | 0.0000 | 0.0000 | 85.202 | 0.07535 | 0.00000 | 316523.1 | 201732.8 | 100632.1 | S |
| 134.042 | 0.0000 | 0.0000 | 85.202 | 0.07535 | 0.00000 | 316523.1 | 201735.1 | 100632.1 | S |
| 134.050 | 0.0000 | 0.0000 | 85.202 | 0.07534 | 0.00000 | 316523.1 | 201737.4 | 100632.1 | S |
| 134.058 | 0.0000 | 0.0000 | 85.202 | 0.07533 | 0.00000 | 316523.1 | 201739.6 | 100632.1 | S |
| 134.067 | 0.0000 | 0.0000 | 85.201 | 0.07533 | 0.00000 | 316523.1 | 201741.9 | 100632.1 | S |
| 134.075 | 0.0000 | 0.0000 | 85.201 | 0.07532 | 0.00000 | 316523.1 | 201744.1 | 100632.1 | S |
| 134.083 | 0.0000 | 0.0000 | 85.201 | 0.07531 | 0.00000 | 316523.1 | 201746.4 | 100632.1 | S |
| 134.092 | 0.0000 | 0.0000 | 85.201 | 0.07530 | 0.00000 | 316523.1 | 201748.7 | 100632.1 | S |
| 134.100 | 0.0000 | 0.0000 | 85.201 | 0.07530 | 0.00000 | 316523.1 | 201750.9 | 100632.1 | S |
| 134.108 | 0.0000 | 0.0000 | 85.201 | 0.07529 | 0.00000 | 316523.1 | 201753.2 | 100632.1 | S |
| 134.117 | 0.0000 | 0.0000 | 85.200 | 0.07528 | 0.00000 | 316523.1 | 201755.4 | 100632.1 | S |
| 134.125 | 0.0000 | 0.0000 | 85.200 | 0.07528 | 0.00000 | 316523.1 | 201757.7 | 100632.1 | S |
| 134.133 | 0.0000 | 0.0000 | 85.200 | 0.07527 | 0.00000 | 316523.1 | 201760.0 | 100632.1 | S |
| 134.142 | 0.0000 | 0.0000 | 85.200 | 0.07526 | 0.00000 | 316523.1 | 201762.2 | 100632.1 | S |
| 134.150 | 0.0000 | 0.0000 | 85.200 | 0.07525 | 0.00000 | 316523.1 | 201764.5 | 100632.1 | S |
| 134.158 | 0.0000 | 0.0000 | 85.200 | 0.07525 | 0.00000 | 316523.1 | 201766.7 | 100632.1 | S |
| 134.167 | 0.0000 | 0.0000 | 85.200 | 0.07524 | 0.00000 | 316523.1 | 201769.0 | 100632.1 | S |
| 134.175 | 0.0000 | 0.0000 | 85.199 | 0.07523 | 0.00000 | 316523.1 | 201771.2 | 100632.1 | S |
| 134.183 | 0.0000 | 0.0000 | 85.199 | 0.07523 | 0.00000 | 316523.1 | 201773.5 | 100632.1 | S |
| 134.192 | 0.0000 | 0.0000 | 85.199 | 0.07522 | 0.00000 | 316523.1 | 201775.8 | 100632.1 | S |
| 134.200 | 0.0000 | 0.0000 | 85.199 | 0.07521 | 0.00000 | 316523.1 | 201778.0 | 100632.1 | S |
| 134.208 | 0.0000 | 0.0000 | 85.199 | 0.07520 | 0.00000 | 316523.1 | 201780.3 | 100632.1 | S |
| 134.217 | 0.0000 | 0.0000 | 85.199 | 0.07520 | 0.00000 | 376523.1 | 201782.5 | 100632.1 | S |
| 134.225 | 0.0000 | 0.0000 | 85.198 | 0.07519 | 0.00000 | 316523.1 | 201784.8 | 100632.1 | S |
| 134.233 | 0.0000 | 0.0000 | 85.198 | 0.07518 | 0.00000 | 316523.1 | 201787.0 | 100632.1 | S |
| 134.242 | 0.0000 | 0.0000 | 85.198 | 0.07518 | 0.00000 | 316523.1 | 201789.3 | 100632.1 | S |
| 134.250 | 0.0000 | 0.0000 | 85, 198 | 0.07517 | 0.00000 | 316523.1 | 201791.5 | 100632.1 | S |
| 134.258 | 0.0000 | 0.0000 | 85.198 | 0.07516 | 0.00000 | 316523.1 | 201793.8 | 100632.1 | S |
| 134.267 | 0.0000 | 0.0000 | 85.198 | 0.07515 | 0.00000 | 316523.1 | 201796.0 | 100632.1 | S |
| 134.275 | 0.0000 | 0.0000 | 85.197 | 0.07515 | 0.00000 | 316523.1 | 201798.3 | 100632.1 | S |
| 134.283 | 0.0000 | 0.0000 | 85.197 | 0.07514 | 0.00000 | 316523.1 | 201800.6 | 100632.1 | S |
| 134.292 | 0.0000 | 0.0000 | 85.197 | 0.07513 | 0.00000 | 316523.1 | 201802.8 | 100632.1 | S |
| 134.300 | 0.0000 | 0.0000 | 85.197 | 0.07513 | 0.00000 | 316523.1 | 201805.1 | 100632.1 | S |
| 134.308 | 0.0000 | 0.0000 | 85.197 | 0.07512 | 0.00000 | 316523.1 | 201807.3 | 100632.1 | S |
| 134.317 | 0.0000 | 0.0000 | 85.197 | 0.07511 | 0.00000 | 316523.1 | 201809.6 | 100632.1 | S |
| 134.325 | 0.0000 | 0.0000 | 85.196 | 0.07511 | 0.00000 | 316523.1 | 201811.8 | 100632.1 | S |
| 134.333 | 0.0000 | 0.0000 | 85.196 | 0.07510 | 0.00000 | 316523.1 | 201814.1 | 100632.1 | S |
| 134.342 | 0.0000 | 0.0000 | 85.196 | 0.07509 | 0.00000 | 316523.1 | 201816.3 | 100632.1 | S |
| 134.350 | 0.0000 | 0.0000 | 85.196 | 0.07508 | 0.00000 | 316523.1 | 201818.6 | 100632.1 | S |
| 134.358 | 0.0000 | 0.0000 | 85.196 | 0.07508 | 0.00000 | 316523.1 | 201820.8 | 100632.1 | S |
| 134.367 | 0.0000 | 0.0000 | 85.196 | 0.07507 | 0.00000 | 316523.1 | 201823.1 | 100632.1 | S |
| 134.375 | 0.0000 | 0.0000 | 85.195 | 0.07506 | 0.00000 | 316523.1 | 201825.3 | 100632.1 | S |
| 134.383 | 0.0000 | 0.0000 | 85.195 | 0.07506 | 0.00000 | 316523.1 | 201827.6 | 100632.1 | S |
| 134.392 | 0.0000 | 0.0000 | 85.195 | 0.07505 | 0.00000 | 316523.1 | 201829.8 | 100632.1 | S |
| 134.400 | 0.0000 | 0.0000 | 85.195 | 0.07504 | 0.00000 | 316523.1 | 201832.1 | 100632.1 | S |
| 134.408 | 0.0000 | 0.0000 | 85.195 | 0.07503 | 0.00000 | 316523.1 | 201834.4 | 100632.1 | S |
| 134.417 | 0.0000 | 0.0000 | 85.195 | 0.07503 | 0.00000 | 316523.1 | 201836.6 | 100632.1 | S |
| 134.425 | 0.0000 | 0.0000 | 85.195 | 0.07502 | 0.00000 | 316523.1 | 201838.9 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate <br> ( $\mathrm{ft}^{3 / 3}$ ) | Outside Recharge (ftday) | Stage Elevation (H datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative infilitration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative <br> Discharge <br> Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 134.433 | 0.0000 | 0.0000 | 85.194 | 0.07501 | 0.00000 | 316523.1 | 201841.1 | 100632.1 | S |
| 134.442 | 0.0000 | 0,0000 | 85.194 | 0.07501 | 0.00000 | 316523.1 | 201843.4 | 100632.1 | S |
| 134.450 | 0.0000 | 0.0000 | 85.194 | 0.07500 | 0.00000 | 316523.1 | 201845.6 | 100632.1 | S |
| 134.458 | 0.0000 | 0.0000 | 85.194 | 0.07499 | 0.00000 | 316523.1 | 201847.9 | 100632.1 | S |
| 134.467 | 0.0000 | 0.0000 | 85.194 | 0.07499 | 0.00000 | 316523.1 | 201850.1 | 100632.1 | S |
| 134.475 | 0.0000 | 0.0000 | 85.194 | 0.07498 | 0.00000 | 316523.1 | 201852.4 | 100632.1 | S |
| 134.483 | 0.0000 | 0.0000 | 85.193 | 0.07497 | 0.00000 | 316523.1 | 201854.6 | 100632.1 | S |
| 134.492 | 0.0000 | 0.0000 | 85.193 | 0.07496 | 0.00000 | 316523.1 | 201856.9 | 100632.1 | S |
| 134.500 | 0.0000 | 0.0000 | 85.193 | 0.07496 | 0.00000 | 316523.1 | 201859.1 | 100632.1 | S |
| 134.508 | 0.0000 | 0.0000 | 85.193 | 0.07495 | 0.00000 | 316523.1 | 201861.3 | 100632.1 | S |
| 134.517 | 0.0000 | 0.0000 | 85.193 | 0.07494 | 0.00000 | 316523.1 | 201863.6 | 100632.1 | S |
| 134.525 | 0.0000 | 0.0000 | 85.193 | 0.07494 | 0.00000 | 316523.1 | 201865.8 | 100632.1 | S |
| 134.533 | 0.0000 | 0.0000 | 85.192 | 0.07493 | 0.00000 | 316523.1 | 201868.1 | 100632.1 | S |
| 134.542 | 0.0000 | 0.0000 | 85.192 | 0.07492 | 0.00000 | 316523.1 | 201870.3 | 100632.1 | S |
| 134.550 | 0.0000 | 0.0000 | 85.192 | 0.07491 | 0.00000 | 316523.1 | 201872.6 | 100632.1 | S |
| 134.558 | 0.0000 | 0.0000 | 85.192 | 0.07491 | 0.00000 | 316523.1 | 201874.8 | 100632.1 | S |
| 134.567 | 0.0000 | 0.0000 | 85.192 | 0.07490 | 0.00000 | 316523.1 | 201877.1 | 100632.1 | S |
| 134.575 | 0.0000 | 0.0000 | 85.192 | 0.07489 | 0.00000 | 316523.1 | 201879.3 | 100632.1 | S |
| 134.583 | 0.0000 | 0.0000 | 85.191 | 0.07489 | 0.00000 | 316523.1 | 201881.6 | 100632.1 | S |
| 134.592 | 0.0000 | 0.0000 | 85.191 | 0.07488 | 0.00000 | 316523.1 | 201883.8 | 100632.1 | S |
| 134.600 | 0.0000 | 0.0000 | 85.191 | 0.07487 | 0.00000 | 316523.1 | 201886.1 | 100632.1 | S |
| 134.608 | 0.0000 | 0.0000 | 85.191 | 0.07487 | 0.00000 | 316523.1 | 201888.3 | 100632.1 | S |
| 134.617 | 0.0000 | 0.0000 | 85.191 | 0.07486 | 0.00000 | 316523.1 | 201890.6 | 100632.1 | S |
| 134.625 | 0.0000 | 0.0000 | 85.191 | 0.07485 | 0.00000 | 316523.1 | 201892.8 | 100632.1 | S |
| 134.633 | 0.0000 | 0.0000 | 85.191 | 0.07484 | 0.00000 | 316523.1 | 201895.0 | 100632.1 | S |
| 134.642 | 0.0000 | 0.0000 | 85.190 | 0.07484 | 0.00000 | 316523.1 | 201897.3 | 100632.1 | S |
| 134.650 | 0.0000 | 0.0000 | 85.190 | 0.07483 | 0.00000 | 316523.1 | 201899.5 | 100632.1 | S |
| 134.658 | 0.0000 | 0.0000 | 85.190 | 0.07482 | 0.00000 | 316523.1 | 201901.8 | 100632.1 | S |
| 134.667 | 0.0000 | 0.0000 | 85.190 | 0.07482 | 0.00000 | 316523.1 | 201904.0 | 100632.1 | S |
| 134.675 | 0.0000 | 0.0000 | 85.190 | 0.07481 | 0.00000 | 316523.1 | 201906.3 | 100632.1 | S |
| 134.683 | 0.0000 | 0.0000 | 85.190 | 0.07480 | 0.00000 | 316523.1 | 201908.5 | 100632.1 | S |
| 134.692 | 0.0000 | 0.0000 | 85.189 | 0.07480 | 0.00000 | 316523.1 | 201910.8 | 100632.1 | S |
| 134.700 | 0.0000 | 0.0000 | 85.189 | 0.07479 | 0.00000 | 316523.1 | 201913.0 | 100632.1 | S |
| 134.708 | 0.0000 | 0.0000 | 85.189 | 0.07478 | 0.00000 | 316523.1 | 201915.3 | 100632.1 | S |
| 134.717 | 0.0000 | 0.0000 | 85.189 | 0.07477 | 0.00000 | 316523.1 | 201917.5 | 100632.1 | S |
| 134.725 | 0.0000 | 0.0000 | 85.189 | 0.07477 | 0.00000 | 316523.1 | 201919.7 | 100632.1 | S |
| 134.733 | 0.0000 | 0.0000 | 85.189 | 0.07476 | 0.00000 | 316523.1 | 201922.0 | 100632.1 | S |
| 134.742 | 0.0000 | 0.0000 | 85.188 | 0.07475 | 0.00000 | 316523.1 | 201924.2 | 100632.1 | S |
| 134.750 | 0.0000 | 0.0000 | 85.188 | 0.07475 | 0.00000 | 316523.1 | 201926.5 | 100632.1 | S |
| 134.758 | 0.0000 | 0.0000 | 85.188 | 0.07474 | 0.00000 | 316523.1 | 201928.7 | 100632.1 | S |
| 134.767 | 0.0000 | 0.0000 | 85.188 | 0.07473 | 0.00000 | 316523.1 | 201931.0 | 100632.1 | S |
| 134.775 | 0.0000 | 0.0000 | 85.188 | 0.07472 | 0.00000 | 316523.1 | 201933.2 | 100632.1 | S |
| 134.783 | 0.0000 | 0.0000 | 85.188 | 0.07472 | 0.00000 | 316523.1 | 201935.4 | 100632.1 | S |
| 134.792 | 0.0000 | 0.0000 | 85.187 | 0.07471 | 0.00000 | 316523.1 | 201937.7 | 100632.1 | S |
| 134.800 | 0.0000 | 0.0000 | 85.187 | 0.07470 | 0.00000 | 316523.1 | 201939.9 | 100632.1 | S |
| 134.808 | 0.0000 | 0.0000 | 85.187 | 0.07470 | 0.00000 | 316523.1 | 201942.2 | 100632.1 | S |
| 134.817 | 0.0000 | 0.0000 | 85.187 | 0.07469 | 0.00000 | 316523.1 | 201944.4 | 100632.1 | S |
| 134.825 | 0.0000 | 0.0000 | 85.187 | 0.07468 | 0.00000 | 316523.1 | 201946.6 | 100632.1 | S |
| 134.833 | 0.0000 | 0.0000 | 85.187 | 0.07468 | 0.00000 | 316523.1 | 201948.9 | 100632.1 | S |
| 134.842 | 0.0000 | 0.0000 | 85.186 | 0.07467 | 0.00000 | 316523.1 | 201951.1 | 100632.1 | S |
| 134.850 | 0.0000 | 0.0000 | 85.186 | 0.07466 | 0.00000 | 316523.1 | 201953.4 | 100632.1 | S |
| 134.858 | 0.0000 | 0.0000 | 85.186 | 0.07465 | 0.00000 | 316523.1 | 201955.6 | 100632.1 | S |
| 134.867 | 0.0000 | 0.0000 | 85.186 | 0.07465 | 0.00000 | 316523.1 | 201957.8 | 100632.1 | S |
| 134.875 | 0.0000 | 0.0000 | 85.186 | 0.07464 | 0.00000 | 316523.1 | 201960.1 | 100632.1 | S |
| 134.883 | 0.0000 | 0.0000 | 85.186 | 0.07463 | 0.00000 | 316523.1 | 201962.3 | 100632.1 | S |
| 134.892 | 0.0000 | 0.0000 | 85.186 | 0.07463 | 0.00000 | 316523.1 | 201964.6 | 100632.1 | S |
| 134.900 | 0.0000 | 0.0000 | 85.185 | 0.07462 | 0.00000 | 316523.1 | 201966.8 | 100632.1 | S |
| 134.908 | 0.0000 | 0.0000 | 85.185 | 0.07461 | 0.00000 | 316523.1 | 201969.0 | 100632.1 | S |
| 134.917 | 0.0000 | 0.0000 | 85.185 | 0.07461 | 0.00000 | 316523.1 | 201971.3 | 100632.1 | S |
| 134.925 | 0.0000 | 0.0000 | 85.185 | 0.07460 | 0.00000 | 316523.1 | 201973.5 | 100632.1 | S |
| 134.933 | 0.0000 | 0.0000 | 85.185 | 0.07459 | 0.00000 | 316523.1 | 201975.8 | 100632.1 | S |
| 134.942 | 0.0000 | 0.0000 | 85.185 | 0.07458 | 0.00000 | 316523.1 | 201978.0 | 100632.1 | S |
| 134.950 | 0.0000 | 0.0000 | 85.184 | 0.07458 | 0.00000 | 316523.1 | 201980.2 | 100632.1 | S |
| 134.958 | 0.0000 | 0.0000 | 85.184 | 0.07457 | 0.00000 | 316523.1 | 201982.5 | 100632.1 | S |
| 134.967 | 0.0000 | 0.0000 | 85.184 | 0.07456 | 0.00000 | 316523.1 | 201984.7 | 100632.1 | S |
| 134.975 | 0.0000 | 0.0000 | 85.184 | 0.07456 | 0.00000 | 316523.1 | 201986.9 | 100632.4 | S |
| 134.983 | 0.0000 | 0.0000 | 85.184 | 0.07455 | 0.00000 | 316523.1 | 201989.2 | 100632.1 | S |
| 134.992 | 0.0000 | 0.0000 | 85.184 | 0.07454 | 0.00000 | 316523.1 | 201991.4 | 100632.1 | S |
| 135.000 | 0.0000 | 0.0000 | 85.183 | 0.07454 | 0.00000 | 316523.1 | 201993.6 | 100632.1 | S |
| 135.008 | 0.0000 | 0.0000 | 85.183 | 0.07453 | 0.00000 | 316523.1 | 201995.9 | 100632.1 | S |
| 135.017 | 0.0000 | 0.0000 | 85.183 | 0.07452 | 0.00000 | 316523.1 | 201998.1 | 100632.1 | S |
| 135.025 | 0.0000 | 0.0000 | 85.183 | 0.07451 | 0.00000 | 316523.1 | 202000.3 | 100632.1 | S |
| 135.033 | 0.0000 | 0.0000 | 85.183 | 0.07451 | 0.00000 | 316523.1 | 202002.6 | 100632.1 | S |
| 135.042 | 0.0000 | 0.0000 | 85.183 | 0.07450 | 0.00000 | 316523.1 | 202004.8 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | unflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (fvday) | Stage Elevation (ft datum) | inflitration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Inflitration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 135.050 | 0.0000 | 0.0000 | 85.182 | 0.07449 | 0.00000 | 316523.1 | 202007.1 | 100632.1 | S |
| 135.058 | 0.0000 | 0.0000 | 85.182 | 0.07449 | 0.00000 | 316523.1 | 202009.3 | 100632.1 | S |
| 135.067 | 0.0000 | 0.0000 | 85.182 | 0.07448 | 0.00000 | 316523.1 | 202011.5 | 100632.1 | S |
| 135.075 | 0.0000 | 0.0000 | 85.182 | 0.07447 | 0.00000 | 316523.1 | 202013.8 | 100632.1 | S |
| 135.083 | 0.0000 | 0.0000 | 85.182 | 0.07447 | 0.00000 | 316523.1 | 202016.0 | 100632.1 | S |
| 135.092 | 0.0000 | 0.0000 | 85.182 | 0.07446 | 0.00000 | 316523.1 | 202018.2 | 100632.1 | S |
| 135.100 | 0.0000 | 0.0000 | 85.182 | 0.07445 | 0.00000 | 316523.1 | 202020.5 | 100632.1 | S |
| \$35.108 | 0.0000 | 0.0000 | 85.181 | 0.07444 | 0.00000 | 316523.1 | 202022.7 | 100632.1 | S |
| 135.117 | 0.0000 | 0.0000 | 85.181 | 0.07444 | 0.00000 | 316523.1 | 202024.9 | 100632.1 | S |
| 135.125 | 0.0000 | 0.0000 | 85.181 | 0.07443 | 0.00000 | 316523.1 | 202027.2 | 100632.1 | S |
| 135.133 | 0.0000 | 0.0000 | 85.181 | 0.07442 | 0.00000 | 316523.1 | 202029.4 | 100632.1 | S |
| 135.142 | 0.0000 | 0.0000 | 85.181 | 0.07442 | 0.00000 | 316523.1 | 202031.6 | 100632.1 | S |
| 135.150 | 0.0000 | 0.0000 | 85.181 | 0.07441 | 0.00000 | 316523.1 | 202033.9 | 100632.1 | S |
| 135.158 | 0.0000 | 0.0000 | 85.180 | 0.07440 | 0.00000 | 316523.1 | 202036.1 | 100632.1 | S |
| 135.167 | 0.0000 | 0.0000 | 85.180 | 0.07440 | 0.00000 | 316523.1 | 202038.3 | 100632.1 | S |
| 135.175 | 0.0000 | 0.0000 | 85.180 | 0.07439 | 0.00000 | 316523.1 | 202040.6 | 100632.1 | S |
| 135.183 | 0.0000 | 0.0000 | 85.180 | 0.07438 | 0.00000 | 316523.1 | 202042.8 | 100632.1 | S |
| 135.192 | 0.0000 | 0.0000 | 85.180 | 0.07437 | 0.00000 | 316523.1 | 202045.0 | 100632.1 | S |
| 135.200 | 0.0000 | 0.0000 | 85.180 | 0.07437 | 0.00000 | 316523.1 | 202047.3 | 100632.1 | S |
| 135.208 | 0.0000 | 0.0000 | 85.179 | 0.07436 | 0.00000 | 316523.1 | 202049.5 | 100632.1 | S |
| 135.217 | 0.0000 | 0.0000 | 85.179 | 0.07435 | 0.00000 | 316523.1 | 202051.7 | 100632.1 | S |
| 135.225 | 0.0000 | 0.0000 | 85.179 | 0.07435 | 0.00000 | 316523.1 | 202053.9 | 100632.1 | S |
| 135.233 | 0.0000 | 0.0000 | 85.179 | 0.07434 | 0.00000 | 316523.1 | 202056.2 | 100632.1 | S |
| 135.242 | 0.0000 | 0.0000 | 85.179 | 0.07433 | 0.00000 | 316523.1 | 202058.4 | 100632.1 | S |
| 135.250 | 0.0000 | 0.0000 | 85.179 | 0.07433 | 0.00000 | 316523.1 | 202060.6 | 100632.1 | S |
| 135.258 | 0.0000 | 0.0000 | 85.178 | 0.07432 | 0.00000 | 316523.1 | 202062.9 | 100632.1 | S |
| 135.267 | 0.0000 | 0.0000 | 85.178 | 0.07431 | 0.00000 | 316523.1 | 202065.1 | 100632.1 | S |
| 135.275 | 0.0000 | 0.0000 | 85.178 | 0.07431 | 0.00000 | 316523.1 | 202067.3 | 100632.1 | S |
| 135.283 | 0.0000 | 0.0000 | 85.178 | 0.07430 | 0.00000 | 316523.1 | 202069.5 | 100632.1 | S |
| 135.292 | 0.0000 | 0.0000 | 85.178 | 0.07429 | 0.00000 | 316523.1 | 202071.8 | 100632.1 | S |
| 135.300 | 0.0000 | 0.0000 | 85.178 | 0.07428 | 0.00000 | 316523.1 | 202074.0 | 100632.1 | S |
| 135.308 | 0.0000 | 0.0000 | 85.178 | 0.07428 | 0.00000 | 316523.1 | 202076.2 | 100632.1 | S |
| 135.317 | 0.0000 | 0.0000 | 85.177 | 0.07427 | 0.00000 | 316523.1 | 202078.5 | 100632.1 | S |
| 135.325 | 0.0000 | 0.0000 | 85.177 | 0.07426 | 0.00000 | 316523.1 | 202080.7 | 100632.1 | S |
| 135.333 | 0.0000 | 0.0000 | 85.177 | 0.07426 | 0.00000 | 316523.1 | 202082.9 | 100632.1 | S |
| 135.342 | 0.0000 | 0.0000 | 85.177 | 0.07425 | 0.00000 | 316523.1 | 202085.1 | 100632.1 | S |
| 135.350 | 0.0000 | 0.0000 | 85.177 | 0.07424 | 0.00000 | 316523.1 | 202087.4 | 100632.4 | S |
| 135.358 | 0.0000 | 0.0000 | 85.177 | 0.07424 | 0.00000 | 316523.1 | 202089.6 | 100632.1 | S |
| 135.367 | 0.0000 | 0.0000 | 85.176 | 0.07423 | 0.00000 | 316523.1 | 202091.8 | 100632.1 | S |
| 135.375 | 0.0000 | 0.0000 | 85.176 | 0.07422 | 0.00000 | 316523.1 | 202094.1 | 100632.1 | S |
| 135.383 | 0.0000 | 0.0000 | 85.176 | 0.07421 | 0.00000 | 316523.1 | 202096.3 | 100632.1 | S |
| 135.392 | 0.0000 | 0.0000 | 85.176 | 0.07421 | 0.00000 | 316523.1 | 202098.5 | 100632.1 | S |
| 135.400 | 0.0000 | 0.0000 | 85.176 | 0.07420 | 0.00000 | 316523.1 | 202100.7 | 100632.1 | S |
| 135.408 | 0.0000 | 0.0000 | 85.176 | 0.07419 | 0.00000 | 316523.1 | 202103.0 | 100632.1 | S |
| 135.417 | 0.0000 | 0.0000 | 85.175 | 0.07419 | 0.00000 | 316523.1 | 202105.2 | 100632.1 | S |
| 135.425 | 0.0000 | 0.0000 | 85.175 | 0.07418 | 0.00000 | 316523.1 | 202107.4 | 100632.7 | S |
| 135.433 | 0.0000 | 0.0000 | 85.175 | 0.07417 | 0.00000 | 316523.1 | 202109.6 | 100632.1 | S |
| 135.442 | 0.0000 | 0.0000 | 85.175 | 0.07417 | 0.00000 | 316523.1 | 202111.9 | 100632.1 | S |
| 135.450 | 0.0000 | 0.0000 | 85.175 | 0.07416 | 0.00000 | 316523.1 | 202114.1 | 100632.1 | S |
| 135.458 | 0.0000 | 0.0000 | 85.175 | 0.07415 | 0.00000 | 316523.1 | 202116.3 | 100632.1 | S |
| 135.467 | 0.0000 | 0.0000 | 85.174 | 0.07414 | 0.00000 | 316523.1 | 202118.5 | 100632.1 | S |
| 135.475 | 0.0000 | 0.0000 | 85.174 | 0.07414 | 0.00000 | 316523.1 | 202120.8 | 100632.1 | S |
| 135.483 | 0.0000 | 0.0000 | 85.174 | 0.07413 | 0.00000 | 316523.1 | 202123.0 | 100632.1 | S |
| 135.492 | 0.0000 | 0.0000 | 85.174 | 0.07412 | 0.00000 | 316523.1 | 202125.2 | 100632.1 | S |
| 135.500 | 0.0000 | 0.0000 | 85.174 | 0.07412 | 0.00000 | 316523.1 | 202127.4 | 100632.1 | S |
| \$35.508 | 0.0000 | 0.0000 | 85.174 | 0.07411 | 0.00000 | 316523.1 | 202129.7 | 100632.1 | S |
| 135.517 | 0.0000 | 0.0000 | 85.174 | 0.07410 | 0.00000 | 316523.1 | 202131.9 | 100632.1 | S |
| 135.525 | 0.0000 | 0.0000 | 85.173 | 0.07410 | 0.00000 | 316523.1 | 202134.1 | 100632.1 | S |
| 135.533 | 0.0000 | 0.0000 | 85.173 | 0.07409 | 0.00000 | 316523.1 | 202136.3 | 100632.1 | S |
| 135.542 | 0.0000 | 0.0000 | 85.173 | 0.07408 | 0.00000 | 316523.1 | 202138.5 | 100632.1 | S |
| 135.550 | 0.0000 | 0.0000 | 85.173 | 0.07408 | 0.00000 | 316523.1 | 202140.8 | 100632.1 | S |
| 135.558 | 0.0000 | 0.0000 | 85.173 | 0.07407 | 0.00000 | 316523.1 | 202143.0 | 100632.1 | S |
| 135.567 | 0.0000 | 0.0000 | 85.173 | 0.07406 | 0.00000 | 316523.1 | 202145.2 | 100632.1 | S |
| 135.575 | 0.0000 | 0.0000 | 85.172 | 0.07405 | 0.00000 | 316523.1 | 202147.4 | 100632.1 | S |
| 135.583 | 0.0000 | 0.0000 | 85.172 | 0.07405 | 0.00000 | 316523.1 | 202149.7 | 100632.1 | S |
| 135.592 | 0.0000 | 0.0000 | 85.172 | 0.07404 | 0.00000 | 316523.1 | 202151.9 | 100632.1 | S |
| 135.600 | 0.0000 | 0.0000 | 85.172 | 0.07403 | 0.00000 | 316523.1 | 202154.1 | 100632.1 | S |
| 135.608 | 0.0000 | 0.0000 | 85.172 | 0.07403 | 0.00000 | 316523.1 | 202156.3 | 100632.1 | S |
| 135.617 | 0.0000 | 0.0000 | 85.172 | 0.07402 | 0.00000 | 316523.1 | 202158.5 | 100632.1 | S |
| 135.625 | 0.0000 | 0.0000 | 85.171 | 0.07401 | 0.00000 | 316523.1 | 202160.8 | 100632.1 | S |
| 135.633 | 0.0000 | 0.0000 | 85.171 | 0.07401 | 0.00000 | 316523.1 | 202163.0 | 100632.1 | S |
| 135.642 | 0.0000 | 0.0000 | 85.171 | 0.07400 | 0.00000 | 316523.1 | 202165.2 | 100632.1 | S |
| 135.650 | 0.0000 | 0.0000 | 85.171 | 0.07399 | 0.00000 | 316523.1 | 202167.4 | 100632.1 | S |
| 135.658 | 0.0000 | 0.0000 | 85.171 | 0.07399 | 0.00000 | 316523.1 | 202169.6 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate (fis/s) | Outside Recharge (f/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infittration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 135.667 | 0.0000 | 0.0000 | 85.171 | 0.07398 | 0.00000 | 316523.1 | 202171.9 | 100632.1 | S |
| 135.675 | 0.0000 | 0.0000 | 85.171 | 0.07397 | 0.00000 | 316523.1 | 202174.1 | 100632.1 | S |
| 135.683 | 0.0000 | 0.0000 | 85.170 | 0.07396 | 0.00000 | 316523.1 | 202176.3 | 100632.1 | S |
| 135.692 | 0.0000 | 0.0000 | 85.170 | 0.07396 | 0.00000 | 316523.1 | 202178.5 | 100632.1 | S |
| 135.700 | 0.0000 | 0.0000 | 85.170 | 0.07395 | 0.00000 | 316523.1 | 202180.7 | 100632.1 | S |
| 135.708 | 0.0000 | 0.0000 | 85.170 | 0.07394 | 0.00000 | 316523.1 | 202183.0 | 100632.1 | S |
| 135.717 | 0.0000 | 0.0000 | 85.170 | 0.07394 | 0.00000 | 316523.1 | 202185.2 | 100632.1 | S |
| 135.725 | 0.0000 | 0.0000 | 85.170 | 0.07393 | 0.00000 | 316523.1 | 202187.4 | 100632.1 | S |
| 135.733 | 0.0000 | 0.0000 | 85.169 | 0.07392 | 0.00000 | 316523.1 | 202189.6 | 100632.1 | S |
| 135.742 | 0.0000 | 0.0000 | 85.169 | 0.07392 | 0.00000 | 316523.1 | 202191.8 | 100632.1 | S |
| 135.750 | 0.0000 | 0.0000 | 85.169 | 0.07391 | 0.00000 | $3 \ddagger 6523.1$ | 202194.0 | 100632.1 | S |
| 135.758 | 0.0000 | 0.0000 | 85.169 | 0.07390 | 0.00000 | 316523.1 | 202196.3 | 100632.1 | S |
| 135.767 | 0.0000 | 0.0000 | 85.169 | 0.07390 | 0.00000 | 316523.1 | 202198.5 | 100632.1 | S |
| 135.775 | 0.0000 | 0.0000 | 85.169 | 0.07389 | 0.00000 | 316523.1 | 202200.7 | 100632.1 | S |
| 135.783 | 0.0000 | 0.0000 | 85.168 | 0.07388 | 0.00000 | 316523.1 | 202202.9 | 100632.1 | S |
| 135.792 | 0.0000 | 0.0000 | 85.168 | 0.07387 | 0.00000 | 316523.1 | 202205.1 | 100632.1 | S |
| 135.800 | 0.0000 | 0.0000 | 85.168 | 0.07387 | 0.00000 | 316523.1 | 202207.3 | 100632.1 | S |
| 135.808 | 0.0000 | 0.0000 | 85.168 | 0.07386 | 0.00000 | 316523.1 | 202209.6 | 100632.1 | S |
| 135.817 | 0.0000 | 0.0000 | 85.168 | 0.07385 | 0.00000 | 316523.1 | 202211.8 | 100632.1 | S |
| \$35.825 | 0.0000 | 0.0000 | 85.168 | 0.07385 | 0.00000 | 316523.1 | 202214.0 | 100632.1 | S |
| 135.833 | 0.0000 | 0.0000 | 85.167 | 0.07384 | 0.00000 | 316523.1 | 202216.2 | 100632.1 | S |
| 135.842 | 0.0000 | 0.0000 | 85.167 | 0.07383 | 0.00000 | 316523.1 | 202218.4 | 100632.1 | S |
| 135.850 | 0.0000 | 0.0000 | 85.167 | 0.07383 | 0.00000 | 316523.1 | 202220.6 | 100632.1 | S |
| 135.858 | 0.0000 | 0.0000 | 85.167 | 0.07382 | 0.00000 | 316523.1 | 202222.8 | 100632.1 | S |
| 135.867 | 0.0000 | 0.0000 | 85.167 | 0.07381 | 0.00000 | 316523.1 | 202225.1 | 100632.1 | S |
| 135.875 | 0.0000 | 0.0000 | 85.167 | 0.07381 | 0.00000 | 316523.1 | 202227.3 | 100632.1 | S |
| 135.883 | 0.0000 | 0.0000 | 85.167 | 0.07380 | 0.00000 | 316523.1 | 202229.5 | 100632.1 | S |
| 135.892 | 0.0000 | 0.0000 | 85.166 | 0.07379 | 0.00000 | 316523.1 | 202231.7 | 100632.1 | S |
| 135.900 | 0.0000 | 0.0000 | 85.166 | 0.07378 | 0.00000 | 316523.1 | 202233.9 | 100632.1 | S |
| 135.908 | 0.0000 | 0.0000 | 85.166 | 0.07378 | 0.00000 | 316523.1 | 202236.1 | 100632.1 | S |
| 135.917 | 0.0000 | 0.0000 | 85.166 | 0.07377 | 0.00000 | 316523.1 | 202238.3 | 100632.1 | S |
| 135.925 | 0.0000 | 0.0000 | 85.166 | 0.07376 | 0.00000 | 316523.1 | 202240.6 | 100632.1 | S |
| 135.933 | 0.0000 | 0.0000 | 85.166 | 0.07376 | 0.00000 | 316523.1 | 202242.8 | 100632.1 | S |
| 135.942 | 0.0000 | 0.0000 | 85.165 | 0.07375 | 0.00000 | 316523.1 | 202245.0 | 100632.1 | S |
| 135.950 | 0.0000 | 0.0000 | 85.165 | 0.07374 | 0.00000 | 316523.1 | 202247.2 | 100632.1 | S |
| 135.958 | 0.0000 | 0.0000 | 85.165 | 0.07374 | 0.00000 | 316523.1 | 202249.4 | 100632.1 | S |
| 135.967 | 0.0000 | 0.0000 | 85.165 | 0.07373 | 0.00000 | 316523.1 | 202251.6 | 100632.1 | S |
| 135.975 | 0.0000 | 0.0000 | 85.165 | 0.07372 | 0.00000 | 316523.1 | 202253.8 | 100632.1 | S |
| 135.983 | 0.0000 | 0.0000 | 85.165 | 0.07372 | 0.00000 | 316523.1 | 202256.0 | 100632.1 | S |
| 135.992 | 0.0000 | 0.0000 | 85.164 | 0.07371 | 0.00000 | 316523.1 | 202258.3 | 100632.1 | S |
| 136.000 | 0.0000 | 0.0000 | 85.164 | 0.07370 | 0.00000 | 316523.1 | 202260.5 | 100632.1 | S |
| 136.008 | 0.0000 | 0.0000 | 85.164 | 0.07370 | 0.00000 | 316523.1 | 202262.7 | 100632.1 | S |
| 136.017 | 0.0000 | 0.0000 | 85.164 | 0.07369 | 0.00000 | 316523.1 | 202264.9 | 100632.1 | S |
| 136.025 | 0.0000 | 0.0000 | 85.164 | 0.07368 | 0.00000 | 316523.1 | 202267.1 | 100632.1 | S |
| 136.033 | 0.0000 | 0.0000 | 85.164 | 0.07367 | 0.00000 | 316523.1 | 202269.3 | 100632.1 | S |
| 136.042 | 0.0000 | 0.0000 | 85.164 | 0.07367 | 0.00000 | 316523.1 | 202271.5 | 100632.1 | S |
| 136.050 | 0.0000 | 0.0000 | 85.163 | 0.07366 | 0.00000 | 316523.1 | 202273.7 | 100632.1 | S |
| 136.058 | 0.0000 | 0.0000 | 85.163 | 0.07365 | 0.00000 | 316523.1 | 202275.9 | 100632.1 | S |
| 136.067 | 0.0000 | 0.0000 | 85.163 | 0.07365 | 0.00000 | 316523.1 | 202278.2 | 100632.1 | S |
| 136.075 | 0.0000 | 0.0000 | 85.163 | 0.07364 | 0.00000 | 316523.1 | 202280.4 | 100632.1 | S |
| 136.083 | 0.0000 | 0.0000 | 85.163 | 0.07363 | 0.00000 | 316523.1 | 202282.6 | 100632.1 | S |
| 136.092 | 0.0000 | 0.0000 | 85.163 | 0.07363 | 0.00000 | 316523.1 | 202284.8 | 100632.1 | S |
| 136.100 | 0.0000 | 0.0000 | 85.162 | 0.07362 | 0.00000 | 316523.1 | 202287.0 | 100632.1 | S |
| 136.108 | 0.0000 | 0.0000 | 85.162 | 0.07361 | 0.00000 | 316523.1 | 202289.2 | 100632.1 | S |
| 136.117 | 0.0000 | 0.0000 | 85.162 | 0.07361 | 0.00000 | 316523.1 | 202291.4 | 100632.1 | S |
| 136.125 | 0.0000 | 0.0000 | 85.162 | 0.07360 | 0.00000 | 316523.1 | 202293.6 | 100632.1 | S |
| 136.133 | 0.0000 | 0.0000 | 85.162 | 0.07359 | 0.00000 | 316523.1 | 202295.8 | 100632.1 | S |
| 136.142 | 0.0000 | 0.0000 | 85.162 | 0.07359 | 0.00000 | 316523.1 | 202298.0 | 100632.1 | S |
| 136.150 | 0.0000 | 0.0000 | 85.161 | 0.07358 | 0.00000 | 316523.1 | 202300.2 | 100632.1 | S |
| 136.158 | 0.0000 | 0.0000 | 85.161 | 0.07357 | 0.00000 | 316523.1 | 202302.4 | 100632.1 | S |
| 136.167 | 0.0000 | 0.0000 | 85.161 | 0.07356 | 0.00000 | 316523.1 | 202304.6 | 100632.1 | S |
| 136.175 | 0.0000 | 0.0000 | 85.161 | 0.07356 | 0.00000 | 316523.1 | 202306.9 | 100632.1 | S |
| 136.183 | 0.0000 | 0.0000 | 85.161 | 0.07355 | 0.00000 | 316523.1 | 202309.1 | 100632.1 | S |
| 136.192 | 0.0000 | 0.0000 | 85.161 | 0.07354 | 0.00000 | 316523.1 | 202311.3 | 100632.1 | S |
| 136.200 | 0.0000 | 0.0000 | 85.160 | 0.07354 | 0.00000 | 316523.1 | 202313.5 | 100632.1 | S |
| 136.208 | 0.0000 | 0.0000 | 85.160 | 0.07353 | 0.00000 | 316523.1 | 202315.7 | 100632.1 | S |
| 136.217 | 0.0000 | 0.0000 | 85.160 | 0.07352 | 0.00000 | 316523.1 | 202317.9 | 100632.1 | S |
| \$36.225 | 0.0000 | 0.0000 | 85.160 | 0.07352 | 0.00000 | 316523.1 | 202320.1 | 100632.1 | S |
| 136.233 | 0.0000 | 0.0000 | 85.160 | 0.07351 | 0.00000 | 316523.1 | 202322.3 | 100632.1 | S |
| 136.242 | 0.0000 | 0.0000 | 85.160 | 0.07350 | 0.00000 | 316523.1 | 202324.5 | 100632.1 | S |
| 136.250 | 0.0000 | 0.0000 | 85.160 | 0.07350 | 0.00000 | 316523.1 | 202326.7 | 100632.1 | S |
| 136.258 | 0.0000 | 0.0000 | 85.159 | 0.07349 | 0.00000 | 316523.1 | 202328.9 | 100632.1 | S |
| 136.267 | 0.0000 | 0.0000 | 85.159 | 0.07348 | 0.00000 | 316523.1 | 202331.1 | 100632.1 | S |
| 136.275 | 0.0000 | 0.0000 | 85.159 | 0.07348 | 0.00000 | 316523.1 | 202333.3 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (fiday) | Stage Elevation (ft datum) | infiltration Rate $\left(\mathrm{ft}^{3 /} \mathrm{s}\right)$ | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumutative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 136.283 | 0.0000 | 0.0000 | 85.159 | 0.07347 | 0.00000 | 316523.1 | 202335.5 | 100632.1 | S |
| 136.292 | 0.0000 | 0.0000 | 85.159 | 0.07346 | 0.00000 | 316523.1 | 202337.7 | 100632.1 | S |
| 136.300 | 0.0000 | 0.0000 | 85.159 | 0.07345 | 0.00000 | 316523.1 | 202339.9 | 100632.1 | S |
| 136.308 | 0.0000 | 0.0000 | 85.158 | 0.07345 | 0.00000 | 316523.1 | 202342.1 | 100632.1 | S |
| 136.317 | 0.0000 | 0.0000 | 85.158 | 0.07344 | 0.00000 | 316523.1 | 202344.3 | 100632.1 | S |
| 136.325 | 0.0000 | 0.0000 | 85.158 | 0.07343 | 0.00000 | 316523.1 | 202346.5 | 100632.1 | S |
| 136.333 | 0.0000 | 0.0000 | 85.158 | 0.07343 | 0.00000 | 316523.1 | 202348.8 | 100632.1 | S |
| 136.342 | 0.0000 | 0.0000 | 85.158 | 0.07342 | 0.00000 | 316523.1 | 202351.0 | 100632.1 | S |
| 136.350 | 0.0000 | 0.0000 | 85.158 | 0.07341 | 0.00000 | 316523.1 | 202353.2 | 100632.1 | S |
| 136.358 | 0.0000 | 0.0000 | 85.157 | 0.07341 | 0.00000 | 316523.1 | 202355.4 | 100632.1 | S |
| 136.367 | 0.0000 | 0.0000 | 85.157 | 0.07340 | 0.00000 | 316523.1 | 202357.6 | 100632.1 | S |
| 136.375 | 0.0000 | 0.0000 | 85.157 | 0.07339 | 0.00000 | 316523.1 | 202359.8 | 100632.1 | S |
| 136.383 | 0.0000 | 0.0000 | 85.157 | 0.07339 | 0.00000 | 316523.1 | 202362.0 | 100632.1 | S |
| 136.392 | 0.0000 | 0.0000 | 85.157 | 0.07338 | 0.00000 | 316523.1 | 202364.2 | 100632.1 | S |
| 136.400 | 0.0000 | 0.0000 | 85.157 | 0.07337 | 0.00000 | 316523.1 | 202366.4 | 100632.1 | S |
| 136.408 | 0.0000 | 0.0000 | 85.157 | 0.07337 | 0.00000 | 316523.1 | 202368.6 | 100632.1 | S |
| 136.417 | 0.0000 | 0.0000 | 85.156 | 0.07336 | 0.00000 | 316523.1 | 202370.8 | 100632.1 | S |
| 136.425 | 0.0000 | 0.0000 | 85.156 | 0.07335 | 0.00000 | 316523.1 | 202373.0 | 100632.1 | S |
| 136.433 | 0.0000 | 0.0000 | 85.156 | 0.07335 | 0.00000 | 316523.1 | 202375.2 | 100632.1 | S |
| 136.442 | 0.0000 | 0.0000 | 85.156 | 0.07334 | 0.00000 | 316523.1 | 202377.4 | 100632.1 | S |
| \$36.450 | 0.0000 | 0.0000 | 85.156 | 0.07333 | 0.00000 | 316523.1 | 202379.6 | 100632.1 | S |
| 136.458 | 0.0000 | 0.0000 | 85.156 | 0.07332 | 0.00000 | 316523.1 | 202381.8 | 100632.1 | S |
| 136.467 | 0.0000 | 0.0000 | 85.155 | 0.07332 | 0.00000 | 316523.1 | 202384.0 | 100632.1 | S |
| 136.475 | 0.0000 | 0.0000 | 85.155 | 0.07331 | 0.00000 | 316523.1 | 202386.2 | 100632.1 | S |
| 136.483 | 0.0000 | 0.0000 | 85.155 | 0.07330 | 0.00000 | 316523.1 | 202388.4 | 100632.4 | S |
| 136.492 | 0.0000 | 0.0000 | 85.155 | 0.07330 | 0.00000 | 316523.1 | 202390.6 | 100632.1 | S |
| 136.500 | 0.0000 | 0.0000 | 85.155 | 0.07329 | 0.00000 | 316523.1 | 202392.8 | 100632.1 | S |
| 136.508 | 0.0000 | 0.0000 | 85.155 | 0.07328 | 0.00000 | 316523.1 | 202395.0 | 100632.1 | S |
| 136.517 | 0.0000 | 0.0000 | 85.154 | 0.07328 | 0.00000 | 316523.1 | 202397.2 | 100632.1 | S |
| 136.525 | 0.0000 | 0.0000 | 85.154 | 0.07327 | 0.00000 | 316523.1 | 202399.4 | 100632.1 | S |
| 136.533 | 0.0000 | 0.0000 | 85.154 | 0.07326 | 0.00000 | 316523.1 | 202401.5 | 100632.1 | S |
| 136.542 | 0.0000 | 0.0000 | 85.154 | 0.07326 | 0.00000 | 316523.1 | 202403.8 | 100632.1 | S |
| 136.550 | 0.0000 | 0.0000 | 85.154 | 0.07325 | 0.00000 | 316523.1 | 202406.0 | 100632.1 | S |
| 136.558 | 0.0000 | 0.0000 | 85.154 | 0.07324 | 0.00000 | 316523.1 | 202408.1 | 100632.1 | S |
| 136.567 | 0.0000 | 0.0000 | 85.154 | 0.07324 | 0.00000 | 316523.1 | 202410.3 | 100632.1 | S |
| 136.575 | 0.0000 | 0.0000 | 85.153 | 0.07323 | 0.00000 | 316523.1 | 202412.5 | 100632.1 | S |
| 136.583 | 0.0000 | 0.0000 | 85.153 | 0.07322 | 0.00000 | 316523.1 | 202414.7 | 100632.1 | S |
| 136.592 | 0.0000 | 0.0000 | 85.153 | 0.07322 | 0.00000 | 316523.1 | 202416.9 | 100632.1 | S |
| 136.600 | 0.0000 | 0.0000 | 85.153 | 0.07321 | 0.00000 | 316523.1 | 202419.1 | 100632.1 | S |
| 136.608 | 0.0000 | 0.0000 | 85.153 | 0.07320 | 0.00000 | 316523.1 | 202421.3 | 100632.1 | S |
| 136.617 | 0.0000 | 0.0000 | 85.153 | 0.07319 | 0.00000 | 316523.1 | 202423.5 | 100632.1 | S |
| 136.625 | 0.0000 | 0.0000 | 85.152 | 0.07319 | 0.00000 | 316523.1 | 202425.7 | 100632.1 | S |
| 136.633 | 0.0000 | 0.0000 | 85.152 | 0.07318 | 0.00000 | 316523.1 | 202427.9 | 100632.1 | S |
| 136.642 | 0.0000 | 0.0000 | 85.152 | 0.07317 | 0.00000 | 316523.1 | 202430.1 | 100632.1 | S |
| 136.650 | 0.0000 | 0.0000 | 85.152 | 0.07317 | 0.00000 | 316523.1 | 202432.3 | 100632.5 | S |
| 136.658 | 0.0000 | 0.0000 | 85.152 | 0.07316 | 0.00000 | 316523.1 | 202434.5 | 100632.1 | S |
| 136.667 | 0.0000 | 0.0000 | 85.152 | 0.07315 | 0.00000 | 316523.1 | 202436.7 | 100632.1 | S |
| 136.675 | 0.0000 | 0.0000 | 85.151 | 0.07315 | 0.00000 | 316523.1 | 202438.9 | 100632.1 | S |
| 136.683 | 0.0000 | 0.0000 | 85.151 | 0.07314 | 0.00000 | 316523.1 | 202441.1 | 100632.1 | S |
| 136.692 | 0.0000 | 0.0000 | 85.151 | 0.07313 | 0.00000 | 316523.1 | 202443.3 | 100632.1 | S |
| 136.700 | 0.0000 | 0.0000 | 85.151 | 0.07313 | 0.00000 | 316523.1 | 202445.5 | 100632.1 | S |
| 136.708 | 0.0000 | 0.0000 | 85.151 | 0.07312 | 0.00000 | 316523.1 | 202447.7 | 100632.1 | S |
| 136.717 | 0.0000 | 0.0000 | 85.151 | 0.07311 | 0.00000 | 316523.1 | 202449.9 | 100632.1 | S |
| 136.725 | 0.0000 | 0.0000 | 85.151 | 0.07311 | 0.00000 | 316523.1 | 202452.0 | 100632.1 | S |
| 136.733 | 0.0000 | 0.0000 | 85.150 | 0.07310 | 0.00000 | 316523.1 | 202454.3 | 100632.1 | S |
| 136.742 | 0.0000 | 0.0000 | 85.150 | 0.07309 | 0.00000 | 316523.1 | 202456.4 | 100632.1 | S |
| 136.750 | 0.0000 | 0.0000 | 85.150 | 0.07309 | 0.00000 | 316523.1 | 202458.6 | 100632.1 | S |
| 136.758 | 0.0000 | 0.0000 | 85.150 | 0.07308 | 0.00000 | 316523.1 | 202460.8 | 100632.1 | S |
| 136.767 | 0.0000 | 0.0000 | 85.150 | 0.07307 | 0.00000 | 316523.1 | 202463.0 | 100632.1 | S |
| 136.775 | 0.0000 | 0.0000 | 85.150 | 0.07307 | 0.00000 | 316523.1 | 202465.2 | 100632.1 | S |
| 136.783 | 0.0000 | 0.0000 | 85.149 | 0.07306 | 0.00000 | 316523.1 | 202467.4 | 100632.1 | S |
| 136.792 | 0.0000 | 0.0000 | 85.149 | 0.07305 | 0.00000 | 316523.1 | 202469.6 | 100632.1 | S |
| 136.800 | 0.0000 | 0.0000 | 85.149 | 0.07304 | 0.00000 | 316523.1 | 202471.8 | 100632.1 | S |
| 136.808 | 0.0000 | 0.0000 | 85.149 | 0.07304 | 0.00000 | 316523.1 | 202474.0 | 100632.1 | S |
| 136.817 | 0.0000 | 0.0000 | 85.149 | 0.07303 | 0.00000 | 316523.1 | 202476.2 | 100632.1 | S |
| 136.825 | 0.0000 | 0.0000 | 85.149 | 0.07302 | 0.00000 | 316523.1 | 202478.4 | 100632.1 | S |
| 136.833 | 0.0000 | 0.0000 | 85.148 | 0.07302 | 0.00000 | 316523.1 | 202480.5 | 100632.1 | S |
| 136.842 | 0.0000 | 0.0000 | 85.148 | 0.07301 | 0.00000 | 316523.1 | 202482.7 | 100632.1 | S |
| 136.850 | 0.0000 | 0.0000 | 85.148 | 0.07300 | 0.00000 | 316523.1 | 202484.9 | 100632.1 | S |
| 136.858 | 0.0000 | 0.0000 | 85.148 | 0.07300 | 0.00000 | 316523.1 | 202487.1 | 100632.1 | S |
| 136.867 | 0.0000 | 0.0000 | 85.148 | 0.07299 | 0.00000 | 316523.1 | 202489.3 | 100632.1 | S |
| 136.875 | 0.0000 | 0.0000 | 85.148 | 0.07298 | 0.00000 | 316523.1 | 202491.5 | 100632.1 | S |
| 136.883 | 0.0000 | 0.0000 | 85.147 | 0.07298 | 0.00000 | 316523.1 | 202493.7 | 100632.1 | S |
| 136.892 | 0.0000 | 0.0000 | 85.147 | 0.07297 | 0.00000 | 316523.1 | 202495.9 | 100632.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}{ }^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{Ht}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume (ft ${ }^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 136.900 | 0.0000 | 0.0000 | 85.147 | 0.07296 | 0.00000 | 316523.1 | 202498.1 | 100632.1 | S |
| 136.908 | 0.0000 | 0.0000 | 85.147 | 0.07296 | 0.00000 | 316523.1 | 202500.3 | 100632.1 | S |
| 136.917 | 0.0000 | 0.0000 | 85.147 | 0.07295 | 0.00000 | 316523.1 | 202502.4 | 100632.1 | S |
| 136.925 | 0.0000 | 0.0000 | 85.147 | 0.07294 | 0.00000 | 316523.1 | 202504.6 | 100632.1 | S |
| 136.933 | 0.0000 | 0.0000 | 85.147 | 0.07294 | 0.00000 | 316523.1 | 202506.8 | 100632.1 | S |
| 136.942 | 0.0000 | 0.0000 | 85.146 | 0.07293 | 0.00000 | 316523.1 | 202509.0 | 100632.1 | S |
| 136.950 | 0.0000 | 0.0000 | 85.146 | 0.07292 | 0.00000 | 316523.1 | 202511.2 | 100632.1 | S |
| 136.958 | 0.0000 | 0.0000 | 85.146 | 0.07292 | 0.00000 | 316523.1 | 202513.4 | 100632.1 | S |
| 136.967 | 0.0000 | 0.0000 | 85.146 | 0.07291 | 0.00000 | 316523.1 | 202515.6 | 100632.1 | S |
| 136.975 | 0.0000 | 0.0000 | 85.146 | 0.07290 | 0.00000 | 316523.1 | 202517.8 | 100632.1 | S |
| 136.983 | 0.0000 | 0.0000 | 85.146 | 0.07290 | 0.00000 | 316523.1 | 202519.9 | 100632.1 | S |
| 136.992 | 0.0000 | 0.0000 | 85.145 | 0.07289 | 0.00000 | 316523.1 | 202522.1 | 100632.1 | S |
| 137.000 | 0.0000 | 0.0000 | 85.145 | 0.07288 | 0.00000 | 316523.1 | 202524.3 | 100632.1 | S |
| 137.008 | 0.0000 | 0.0000 | 85.145 | 0.07288 | 0.00000 | 316523.1 | 202526.5 | 100632.1 | S |
| 137.017 | 0.0000 | 0.0000 | 85.145 | 0.07287 | 0.00000 | 316523.1 | 202528.7 | 100632.1 | S |
| 137.025 | 0.0000 | 0.0000 | 85.145 | 0.07286 | 0.00000 | 316523.1 | 202530.9 | 100632.1 | S |
| 137.033 | 0.0000 | 0.0000 | 85.145 | 0.07285 | 0.00000 | 316523.1 | 202533.1 | 100632.1 | S |
| 137.042 | 0.0000 | 0.0000 | 85.144 | 0.07285 | 0.00000 | 316523.1 | 202535.3 | 100632.1 | S |
| 137.050 | 0.0000 | 0.0000 | 85.144 | 0.07284 | 0.00000 | 316523.1 | 202537.4 | 100632.1 | S |
| 137.058 | 0.0000 | 0.0000 | 85.144 | 0.07283 | 0.00000 | 316523.1 | 202539.6 | 100632.1 | S |
| 137.067 | 0.0000 | 0.0000 | 85.144 | 0.07283 | 0.00000 | 316523.1 | 202541.8 | 100632.1 | S |
| 137.075 | 0.0000 | 0.0000 | 85.144 | 0.07282 | 0.00000 | 316523.1 | 202544.0 | 100632.1 | S |
| 137.083 | 0.0000 | 0.0000 | 85.144 | 0.07281 | 0.00000 | 316523.1 | 202546.2 | 100632.1 | S |
| 137.092 | 0.0000 | 0.0000 | 85.144 | 0.07281 | 0.00000 | 316523.1 | 202548.4 | 100632.1 | S |
| 137.100 | 0.0000 | 0.0000 | 85.143 | 0.07280 | 0.00000 | 316523.1 | 202550.5 | 100632.1 | S |
| 137.108 | 0.0000 | 0.0000 | 85.143 | 0.07279 | 0.00000 | 316523.1 | 202552.7 | 100632.1 | S |
| 137.117 | 0.0000 | 0.0000 | 85.143 | 0.07279 | 0.00000 | 316523.1 | 202554.9 | 100632.1 | S |
| 137.125 | 0.0000 | 0.0000 | 85.143 | 0.07278 | 0.00000 | 316523.1 | 202557.1 | 100632.1 | S |
| 137.133 | 0.0000 | 0.0000 | 85.143 | 0.07277 | 0.00000 | 316523.1 | 202559.3 | 100632.1 | S |
| 137.142 | 0.0000 | 0.0000 | 85.143 | 0.07277 | 0.00000 | 316523.1 | 202561.5 | 100632.1 | S |
| 137.150 | 0.0000 | 0.0000 | 85.142 | 0.07276 | 0.00000 | 316523.1 | 202563.6 | 100632.1 | S |
| 137.158 | 0.0000 | 0.0000 | 85.142 | 0.07275 | 0.00000 | 316523.1 | 202565.8 | 100632.1 | S |
| 137.167 | 0.0000 | 0.0000 | 85.142 | 0.07275 | 0.00000 | 316523.1 | 202568.0 | 100632.1 | S |
| 137.175 | 0.0000 | 0.0000 | 85.142 | 0.07274 | 0.00000 | 316523.1 | 202570.2 | 100632.1 | S |
| 137.183 | 0.0000 | 0.0000 | 85.142 | 0.07273 | 0.00000 | 316523.1 | 202572.4 | 100632.1 | S |
| 137.192 | 0.0000 | 0.0000 | 85.142 | 0.07273 | 0.00000 | 316523.1 | 202574.5 | 100632.1 | S |
| 137.200 | 0.0000 | 0.0000 | 85.141 | 0.07272 | 0.00000 | 316523.1 | 202576.7 | 100632.1 | S |
| 137.208 | 0.0000 | 0.0000 | 85.141 | 0.07271 | 0.00000 | 316523.1 | 202578.9 | 100632.1 | S |
| 137.217 | 0.0000 | 0.0000 | 85.141 | 0.07271 | 0.00000 | 316523.1 | 202581.1 | 100632.1 | S |
| 137.225 | 0.0000 | 0.0000 | 85.141 | 0.07270 | 0.00000 | 316523.1 | 202583.3 | 100632.1 | S |
| \$37.233 | 0.0000 | 0.0000 | 85.141 | 0.07269 | 0.00000 | 316523.1 | 202585.5 | 100632.1 | S |
| 137.242 | 0.0000 | 0.0000 | 85.141 | 0.07269 | 0.00000 | 316523.1 | 202587.6 | 100632.1 | S |
| 137.250 | 0.0000 | 0.0000 | 85.141 | 0.07268 | 0.00000 | 316523.1 | 202589.8 | 100632.1 | S |
| 137.258 | 0.0000 | 0.0000 | 85.140 | 0.07267 | 0.00000 | 316523.1 | 202592.0 | 100632.1 | S |
| 137.267 | 0.0000 | 0.0000 | 85.140 | 0.07267 | 0.00000 | 316523.1 | 202594.2 | 100632.1 | S |
| 137.275 | 0.0000 | 0.0000 | 85.140 | 0.07266 | 0.00000 | 316523.1 | 202596.4 | 100632.1 | S |
| 137.283 | 0.0000 | 0.0000 | 85.140 | 0.07265 | 0.00000 | 316523.1 | 202598.5 | 100632.1 | S |
| 137.292 | 0.0000 | 0.0000 | 85.140 | 0.07265 | 0.00000 | 316523.1 | 202600.7 | 100632.1 | S |
| 137.300 | 0.0000 | 0.0000 | 85.140 | 0.07264 | 0.00000 | 316523.1 | 202602.9 | 100632.1 | S |
| 137.308 | 0.0000 | 0.0000 | 85.139 | 0.07263 | 0.00000 | 316523.1 | 202605.1 | 100632.1 | S |
| 137.317 | 0.0000 | 0.0000 | 85.139 | 0.07262 | 0.00000 | 316523.1 | 202607.3 | 100632.1 | S |
| 137.325 | 0.0000 | 0.0000 | 85.139 | 0.07262 | 0.00000 | 316523.1 | 202609.4 | 100632.1 | S |
| 137.333 | 0.0000 | 0.0000 | 85.139 | 0.07261 | 0.00000 | 316523.1 | 202611.6 | 100632.1 | S |
| 137.342 | 0.0000 | 0.0000 | 85.139 | 0.07260 | 0.00000 | 316523.1 | 202613.8 | 100632.1 | S |
| 137.350 | 0.0000 | 0.0000 | 85.139 | 0.07260 | 0.00000 | 316523.1 | 202616.0 | 100632.1 | S |
| 137.358 | 0.0000 | 0.0000 | 85.139 | 0.07259 | 0.00000 | 316523.1 | 202618.1 | 100632.1 | S |
| 137.367 | 0.0000 | 0.0000 | 85.138 | 0.07258 | 0.00000 | 316523.1 | 202620.3 | 100632.1 | S |
| 137.375 | 0.0000 | 0.0000 | 85.138 | 0.07258 | 0.00000 | 316523.1 | 202622.5 | 100632.1 | S |
| 137.383 | 0.0000 | 0.0000 | 85.138 | 0.07257 | 0.00000 | 316523.1 | 202624.7 | 100632.1 | S |
| 137.392 | 0.0000 | 0.0000 | 85.138 | 0.07256 | 0.00000 | 316523.1 | 202626.9 | 100632.1 | S |
| 137.400 | 0.0000 | 0.0000 | 85.138 | 0.07256 | 0.00000 | 316523.1 | 202629.0 | 100632.1 | S |
| 137.408 | 0.0000 | 0.0000 | 85.138 | 0.07255 | 0.00000 | 316523.1 | 202631.2 | 100632.1 | S |
| 137.417 | 0.0000 | 0.0000 | 85.137 | 0.07254 | 0.00000 | 316523.1 | 202633.4 | 100632.1 | S |
| 137.425 | 0.0000 | 0.0000 | 85.137 | 0.07254 | 0.00000 | 316523.1 | 202635.6 | 100632.1 | S |
| 137.433 | 0.0000 | 0.0000 | 85.137 | 0.07253 | 0.00000 | 316523.1 | 202637.7 | 100632.1 | S |
| 137.442 | 0.0000 | 0.0000 | 85.137 | 0.07252 | 0.00000 | 316523.1 | 202639.9 | 100632.1 | S |
| 137.450 | 0.0000 | 0.0000 | 85.137 | 0.07252 | 0.00000 | 316523.1 | 202642.1 | 100632.1 | S |
| 137.458 | 0.0000 | 0.0000 | 85.137 | 0.07251 | 0.00000 | 316523.1 | 202644.3 | 100632.1 | S |
| 137.467 | 0.0000 | 0.0000 | 85.136 | 0.07250 | 0.00000 | 316523.1 | 202646.4 | 100632.1 | S |
| 137.475 | 0.0000 | 0.0000 | 85.136 | 0.07250 | 0.00000 | 316523.1 | 202648.6 | 100632.1 | S |
| 137.483 | 0.0000 | 0.0000 | 85.136 | 0.07249 | 0.00000 | 316523.1 | 202650.8 | 100632.1 | S |
| 137.492 | 0.0000 | 0.0000 | 85.136 | 0.07248 | 0.00000 | 316523.1 | 202653.0 | 100632.1 | S |
| 137.500 | 0.0000 | 0.0000 | 85.136 | 0.07248 | 0.00000 | 316523.1 | 202655.1 | 100632.1 | S |
| 137.508 | 0.0000 | 0.0000 | 85.136 | 0.07247 | 0.00000 | 316523.1 | 202657.3 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{H}^{3 / 5}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3 / 3}$ ) | Overlow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative infiltration Votume (ft ${ }^{3}$ ) | Cumulative <br> Discharge <br> Volume ( $\mathrm{ft}^{3}$ ) | Fiow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 137.517 | 0.0000 | 0.0000 | 85.136 | 0.07246 | 0.00000 | 316523.1 | 202659.5 | 100632.1 | S |
| 137.525 | 0.0000 | 0.0000 | 85.135 | 0.07246 | 0.00000 | 316523.1 | 202661.7 | 100632.1 | S |
| 137.533 | 0.0000 | 0.0000 | 85.135 | 0.07245 | 0.00000 | 316523.1 | 202663.8 | 100632.1 | S |
| 137.542 | 0.0000 | 0.0000 | 85.135 | 0.07244 | 0.00000 | 316523.1 | 202666.0 | 100632.1 | S |
| 137.550 | 0.0000 | 0.0000 | 85.135 | 0.07244 | 0.00000 | 316523.1 | 202608.2 | 100632.1 | S |
| $\ddagger 37.558$ | 0.0000 | 0.0000 | 85.135 | 0.07243 | 0.00000 | 316523.1 | 202670.4 | 100632.1 | S |
| 137.567 | 0.0000 | 0.0000 | 85.135 | 0.07242 | 0.00000 | 316523.1 | 202672.5 | 100632.1 | S |
| 137.575 | 0.0000 | 0.0000 | 85.134 | 0.07242 | 0.00000 | 316523.1 | 202674.7 | 100632.1 | 5 |
| 137.583 | 0.0000 | 0.0000 | 85.134 | 0.07241 | 0.00000 | 316523.1 | 202676.9 | 100632.1 | S |
| 137.592 | 0.0000 | 0.0000 | 85.134 | 0.07240 | 0.00000 | 316523.1 | 202679.0 | 100632.1 | S |
| 137.600 | 0.0000 | 0.0000 | 85.134 | 0.07240 | 0.00000 | 316523.1 | 202681.2 | 100632.1 | S |
| 137.608 | 0.0000 | 0.0000 | 85.134 | 0.07239 | 0.00000 | 316523.1 | 202683.4 | 100632.1 | S |
| 137.617 | 0.0000 | 0.0000 | 85.134 | 0.07238 | 0.00000 | 316523.1 | 202685.6 | 100632.1 | S |
| 137.625 | 0.0000 | 0.0000 | 85.133 | 0.07238 | 0.00000 | 316523.1 | 202687.7 | 100632.1 | S |
| 137.633 | 0.0000 | 0.0000 | 85.133 | 0.07237 | 0.00000 | 316523.1 | 202689.9 | 100632.1 | S |
| 137.642 | 0.0000 | 0.0000 | 85.133 | 0.07236 | 0.00000 | 316523.1 | 202692.1 | 100632.1 | S |
| 137.650 | 0.0000 | 0.0000 | 85.133 | 0.07236 | 0.00000 | 316523.1 | 202694.3 | 100632.1 | S |
| 137.658 | 0.0000 | 0.0000 | 85.133 | 0.07235 | 0.00000 | 316523.1 | 202696.4 | 100632.1 | S |
| 137.667 | 0.0000 | 0.0000 | 85.133 | 0.07234 | 0.00000 | 316523.1 | 202698.6 | 100632.1 | S |
| 137.675 | 0.0000 | 0.0000 | 85.133 | 0.07234 | 0.00000 | 316523.1 | 202700.8 | 100632.1 | S |
| 137.683 | 0.0000 | 0.0000 | 85.132 | 0.07233 | 0.00000 | 316523.1 | 202702.9 | 100632.1 | S |
| 137.692 | 0.0000 | 0.0000 | 85.132 | 0.07232 | 0.00000 | 316523.1 | 202705.1 | 100632.1 | S |
| 137.700 | 0.0000 | 0.0000 | 85.132 | 0.07232 | 0.00000 | 316523.1 | 202707.3 | 100632.1 | S |
| 137.708 | 0.0000 | 0.0000 | 85.132 | 0.07231 | 0.00000 | 316523.1 | 202709.4 | 100632.1 | S |
| 137.717 | 0.0000 | 0.0000 | 85.132 | 0.07230 | 0.00000 | 316523.1 | 202711.6 | 100632.1 | S |
| 137.725 | 0.0000 | 0.0000 | 85.132 | 0.07230 | 0.00000 | 316523.1 | 202713.8 | 100632.1 | S |
| 137.733 | 0.0000 | 0.0000 | 85.131 | 0.07229 | 0.00000 | 316523.1 | 202715.9 | 100632.1 | S |
| 137.742 | 0.0000 | 0.0000 | 85.131 | 0.07228 | 0.00000 | 316523.1 | 202718.1 | 100632.1 | S |
| 137.750 | 0.0000 | 0.0000 | 85.131 | 0.07228 | 0.00000 | 316523.1 | 202720.3 | 100632.1 | S |
| 137.758 | 0.0000 | 0.0000 | 85.131 | 0.07227 | 0.00000 | 316523.1 | 202722.4 | 100632.1 | S |
| 137.767 | 0.0000 | 0.0000 | 85.131 | 0.07226 | 0.00000 | 316523.1 | 202724.6 | 100632.1 | S |
| 137.775 | 0.0000 | 0.0000 | 85.131 | 0.07226 | 0.00000 | 316523.1 | 202726.8 | 100632.1 | S |
| 137.783 | 0.0000 | 0.0000 | 85.130 | 0.07225 | 0.00000 | 316523.1 | 202729.0 | 100632.1 | S |
| 137.792 | 0.0000 | 0.0000 | 85.130 | 0.07224 | 0.00000 | 316523.1 | 202731.1 | 100632.1 | S |
| 137.800 | 0.0000 | 0.0000 | 85.130 | 0.07223 | 0.00000 | 316523.1 | 202733.3 | 100632.1 | 5 |
| 137.808 | 0.0000 | 0.0000 | 85.130 | 0.07223 | 0.00000 | 316523.1 | 202735.5 | 100632.1 | S |
| 137.817 | 0.0000 | 0.0000 | 85.130 | 0.07222 | 0.00000 | 316523.1 | 202737.6 | 100632.1 | S |
| 137.825 | 0.0000 | 0.0000 | 85.130 | 0.07221 | 0.00000 | 316523.1 | 202739.8 | 100632.1 | S |
| 137.833 | 0.0000 | 0.0000 | 85.130 | 0.07221 | 0.00000 | 316523.1 | 202742.0 | 100632.1 | S |
| 137.842 | 0.0000 | 0.0000 | 85.129 | 0.07220 | 0.00000 | 316523.1 | 202744.1 | 100632.1 | S |
| 137.850 | 0.0000 | 0.0000 | 85.129 | 0.07219 | 0.00000 | 316523.1 | 202746.3 | 100632.1 | S |
| 137.858 | 0.0000 | 0.0000 | 85.129 | 0.07219 | 0.00000 | 316523.1 | 202748.5 | 100632.1 | S |
| 137.867 | 0.0000 | 0.0000 | 85.129 | 0.07218 | 0.00000 | 316523.1 | 202750.6 | 100632.1 | S |
| 137.875 | 0.0000 | 0.0000 | 85.129 | 0.07217 | 0.00000 | 316523.1 | 202752.8 | 100632.1 | 5 |
| 137.883 | 0.0000 | 0.0000 | 85.129 | 0.07217 | 0.00000 | 316523.1 | 202754.9 | 100632.1 | S |
| 137.892 | 0.0000 | 0.0000 | 85.128 | 0.07216 | 0.00000 | 316523.1 | 202757.1 | 100632.1 | S |
| 137.900 | 0.0000 | 0.0000 | 85.128 | 0.07215 | 0.00000 | 316523.1 | 202759.3 | 100632.1 | S |
| 137.908 | 0.0000 | 0.0000 | 85.128 | 0.07215 | 0.00000 | 316523.1 | 202761.4 | 100632.1 | S |
| 137.917 | 0.0000 | 0.0000 | 85.128 | 0.07214 | 0.00000 | 316523.1 | 202763.6 | 100632.1 | S |
| 137.925 | 0.0000 | 0.0000 | 85.128 | 0.07213 | 0.00000 | 316523.1 | 202765.8 | 100632.1 | S |
| 137.933 | 0.0000 | 0.0000 | 85.128 | 0.07213 | 0.00000 | 316523.1 | 202767.9 | 100632.1 | S |
| 137.942 | 0.0000 | 0.0000 | 85.127 | 0.07212 | 0.00000 | 316523.1 | 202770.1 | 100632.1 | S |
| 137.950 | 0.0000 | 0.0000 | 85.127 | 0.07211 | 0.00000 | 316523.1 | 202772.3 | 100632.1 | S |
| 137.958 | 0.0000 | 0.0000 | 85.127 | 0.07211 | 0.00000 | 316523.1 | 202774.4 | 100632.1 | S |
| 137.967 | 0.0000 | 0.0000 | 85.127 | 0.07210 | 0.00000 | 316523.1 | 202776.6 | 100632.1 | S |
| 137.975 | 0.0000 | 0.0000 | 85.127 | 0.07209 | 0.00000 | 316523.1 | 202778.8 | 100632.1 | S |
| 137.983 | 0.0000 | 0.0000 | 85.127 | 0.07209 | 0.00000 | 316523.1 | 202780.9 | 100632.1 | S |
| 137.992 | 0.0000 | 0.0000 | 85.127 | 0.07208 | 0.00000 | 316523.1 | 202783.1 | 100632.1 | S |
| 138.000 | 0.0000 | 0.0000 | 85.126 | 0.07207 | 0.00000 | 316523.1 | 202785.2 | 100632.1 | 5 |
| 138.008 | 0.0000 | 0.0000 | 85.126 | 0.07207 | 0.00000 | 316523.1 | 202787.4 | 100632.1 | S |
| 138.017 | 0.0000 | 0.0000 | 85.126 | 0.07206 | 0.00000 | 316523.1 | 202789.6 | 100632.1 | S |
| 138.025 | 0.0000 | 0.0000 | 85.126 | 0.07205 | 0.00000 | 316523.1 | 202791.7 | 100632.1 | S |
| 138.033 | 0.0000 | 0.0000 | 85.126 | 0.07205 | 0.00000 | 316523.1 | 202793.9 | 100632.1 | S |
| 138.042 | 0.0000 | 0.0000 | 85.126 | 0.07204 | 0.00000 | 316523.1 | 202796.0 | 100632.1 | S |
| 138.050 | 0.0000 | 0.0000 | 85.125 | 0.07203 | 0.00000 | 316523.1 | 202798.2 | 100632.1 | S |
| 138.058 | 0.0000 | 0.0000 | 85.125 | 0.07203 | 0.00000 | 316523.1 | 202800.4 | 100632.1 | S |
| 138.067 | 0.0000 | 0.0000 | 85.125 | 0.07202 | 0.00000 | 316523.1 | 202802.5 | 100632.1 | S |
| 138.075 | 0.0000 | 0.0000 | 85.125 | 0.07201 | 0.00000 | 316523.1 | 202804.7 | 100632.1 | S |
| 138.083 | 0.0000 | 0.0000 | 85.125 | 0.07201 | 0.00000 | 316523.1 | 202806.8 | 100632.1 | S |
| 138.092 | 0.0000 | 0.0000 | 85.125 | 0.07200 | 0.00000 | 316523.1 | 202809.0 | 100632.1 | S |
| 138.100 | 0.0000 | 0.0000 | 85.125 | 0.07199 | 0.00000 | 316523.1 | 202811.2 | 100632.1 | S |
| 138.108 | 0.0000 | 0.0000 | 85.124 | 0.07199 | 0.00000 | 316523.1 | 202813.3 | 100632.1 | 5 |
| 138.117 | 0.0000 | 0.0000 | 85.124 | 0.07198 | 0.00000 | 316523.1 | 202815.5 | 100632.1 | S |
| 138.125 | 0.0000 | 0.0000 | 85.124 | 0.07197 | 0.00000 | $3 \ddagger 6523.1$ | 202817.6 | 100632.1 | S |

Vista Landfill Redesign Iterim Design

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate (ftys) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 138.133 | 0.0000 | 0.0000 | 85.124 | 0.07197 | 0.00000 | 316523.1 | 202819.8 | 100632.1 | S |
| 138.142 | 0.0000 | 0.0000 | 85.124 | 0.07196 | 0.00000 | 316523.1 | 202822.0 | 100632.1 | S |
| 138.150 | 0.0000 | 0.0000 | 85.124 | 0.07195 | 0.00000 | 316523.1 | 202824.1 | 100632.1 | S |
| 138.158 | 0.0000 | 0.0000 | 85.123 | 0.07195 | 0.00000 | 316523.1 | 202826.3 | 100632.1 | S |
| 138.167 | 0.0000 | 0.0000 | 85.123 | 0.07194 | 0.00000 | 316523.1 | 202828.4 | 100632.1 | S |
| 138.175 | 0.0000 | 0.0000 | 85.123 | 0.07193 | 0.00000 | 316523.1 | 202830.6 | 100632.1 | S |
| 138.183 | 0.0000 | 0.0000 | 85.123 | 0.07193 | 0.00000 | 316523.1 | 202832.8 | 100632.1 | S |
| 138.192 | 0.0000 | 0.0000 | 85.123 | 0.07192 | 0.00000 | 316523.1 | 202834.9 | 100632.1 | S |
| 138.200 | 0.0000 | 0.0000 | 85.123 | 0.07191 | 0.00000 | 316523.1 | 202837.1 | 100632.1 | S |
| 138.208 | 0.0000 | 0.0000 | 85.122 | 0.07191 | 0.00000 | 316523.1 | 202839.2 | 100632.1 | S |
| 138.217 | 0.0000 | 0.0000 | 85.122 | 0.07190 | 0.00000 | 316523.1 | 202841.4 | 100632.1 | S |
| 138.225 | 0.0000 | 0.0000 | 85.122 | 0.07189 | 0.00000 | 316523.1 | 202843.5 | 100632.1 | S |
| 138.233 | 0.0000 | 0.0000 | 85.122 | 0.07189 | 0.00000 | 316523.1 | 202845.7 | 100632.1 | S |
| 138.242 | 0.0000 | 0.0000 | 85.122 | 0.07188 | 0.00000 | 316523.1 | 202847.9 | 100632.1 | S |
| 138.250 | 0.0000 | 0.0000 | 85.122 | 0.07187 | 0.00000 | 316523.1 | 202850.0 | 100632.1 | S |
| 138.258 | 0.0000 | 0.0000 | 85.122 | 0.07187 | 0.00000 | 316523.1 | 202852.2 | 100632.1 | S |
| 138.267 | 0.0000 | 0.0000 | 85.121 | 0.07186 | 0.00000 | 316523.1 | 202854.3 | 100632.1 | S |
| 138.275 | 0.0000 | 0.0000 | 85.121 | 0.07185 | 0.00000 | 316523.1 | 202856.5 | 100632.1 | S |
| 138.283 | 0.0000 | 0.0000 | 85.121 | 0.07185 | 0.00000 | 316523.1 | 202858.6 | 100632.1 | S |
| 138.292 | 0.0000 | 0.0000 | 85.121 | 0.07184 | 0.00000 | 316523.1 | 202860.8 | 100632.1 | S |
| 138.300 | 0.0000 | 0.0000 | 85.121 | 0.07183 | 0.00000 | 316523.1 | 202862.9 | 100632.1 | S |
| 138.308 | 0.0000 | 0.0000 | 85.121 | 0.07183 | 0.00000 | 316523.1 | 202865.1 | 100632.1 | S |
| 138.317 | 0.0000 | 0.0000 | 85.120 | 0.07182 | 0.00000 | 316523.1 | 202867.3 | 100632.1 | S |
| 138.325 | 0.0000 | 0.0000 | 85.120 | 0.07181 | 0.00000 | 316523.1 | 202869.4 | 100632.1 | S |
| 138.333 | 0.0000 | 0.0000 | 85.120 | 0.07181 | 0.00000 | 316523.1 | 202871.6 | 100632.1 | S |
| 138.342 | 0.0000 | 0.0000 | 85.120 | 0.07180 | 0.00000 | 316523.1 | 202873.7 | 100632.1 | S |
| 138.350 | 0.0000 | 0.0000 | 85.120 | 0.07179 | 0.00000 | 316523.1 | 202875.9 | 100632.1 | S |
| 138.358 | 0.0000 | 0.0000 | 85.120 | 0.07179 | 0.00000 | 316523.1 | 202878.0 | 100632.1 | S |
| 138.367 | 0.0000 | 0.0000 | 85.120 | 0.07178 | 0.00000 | 316523.1 | 202880.2 | 100632.1 | S |
| 138.375 | 0.0000 | 0.0000 | 85.119 | 0.07177 | 0.00000 | 316523.1 | 202882.3 | 100632.1 | S |
| 138.383 | 0.0000 | 0.0000 | 85.119 | 0.07177 | 0.00000 | 316523.1 | 202884.5 | 100632.1 | S |
| 138.392 | 0.0000 | 0.0000 | 85.119 | 0.07176 | 0.00000 | 316523.1 | 202886.6 | 100632.1 | S |
| 138.400 | 0.0000 | 0.0000 | 85.119 | 0.07175 | 0.00000 | 316523.1 | 202888.8 | 100632.1 | S |
| 138.408 | 0.0000 | 0.0000 | 85.119 | 0.07175 | 0.00000 | 316523.1 | 202890.9 | 100632.1 | S |
| 138.417 | 0.0000 | 0.0000 | 85.119 | 0.07174 | 0.00000 | 316523.1 | 202893.1 | 100632.1 | S |
| 138.425 | 0.0000 | 0.0000 | 85.118 | 0.07174 | 0.00000 | 316523.1 | 202895.3 | 100632.1 | S |
| 138.433 | 0.0000 | 0.0000 | 85.118 | 0.07173 | 0.00000 | 316523.1 | 202897.4 | 100632.1 | S |
| 138.442 | 0.0000 | 0.0000 | 85.118 | 0.07172 | 0.00000 | 316523.1 | 202899.5 | 100632.1 | S |
| 138.450 | 0.0000 | 0.0000 | 85.118 | 0.07172 | 0.00000 | 316523.1 | 202901.7 | 100632.1 | S |
| 138.458 | 0.0000 | 0.0000 | 85.118 | 0.07171 | 0.00000 | 316523.1 | 202903.9 | 100632.1 | S |
| 138.467 | 0.0000 | 0.0000 | 85.118 | 0.07170 | 0.00000 | 316523.1 | 202906.0 | 100632.1 | S |
| 138.475 | 0.0000 | 0.0000 | 85.117 | 0.07170 | 0.00000 | 316523.1 | 202908.2 | 100632.1 | S |
| 138.483 | 0.0000 | 0.0000 | 85.117 | 0.07169 | 0.00000 | 316523.1 | 202910.3 | 100632.1 | S |
| 138.492 | 0.0000 | 0.0000 | 85.117 | 0.07168 | 0.00000 | 316523.1 | 202912.5 | 100632.1 | S |
| 138.500 | 0.0000 | 0.0000 | 85.117 | 0.07168 | 0.00000 | 316523.1 | 202914.6 | 100632.1 | S |
| 138.508 | 0.0000 | 0.0000 | 85.117 | 0.07167 | 0.00000 | 316523.1 | 202916.8 | 100632.1 | S |
| 138.517 | 0.0000 | 0.0000 | 85.117 | 0.07166 | 0.00000 | 316523.1 | 202918.9 | 100632.1 | S |
| 138.525 | 0.0000 | 0.0000 | 85.117 | 0.07166 | 0.00000 | 316523.1 | 202921.1 | 100632.1 | S |
| 138.533 | 0.0000 | 0.0000 | 85.116 | 0.07165 | 0.00000 | 316523.1 | 202923.2 | 100632.1 | S |
| 138.542 | 0.0000 | 0.0000 | 85.116 | 0.07164 | 0.00000 | 316523.1 | 202925.4 | 100632.1 | S |
| 138.550 | 0.0000 | 0.0000 | 85.116 | 0.07164 | 0.00000 | 316523.1 | 202927.5 | 100632.1 | S |
| \$38.558 | 0.0000 | 0.0000 | 85.116 | 0.07163 | 0.00000 | 316523.1 | 202929.7 | 100632.1 | S |
| 138.567 | 0.0000 | 0.0000 | 85.116 | 0.07162 | 0.00000 | 316523.1 | 202931.8 | 100632.1 | S |
| 138.575 | 0.0000 | 0.0000 | 85.116 | 0.07162 | 0.00000 | 316523.1 | 202934.0 | 100632.1 | S |
| 138.583 | 0.0000 | 0.0000 | 85.115 | 0.07161 | 0.00000 | 316523.1 | 202936.1 | 100632.1 | S |
| 138.592 | 0.0000 | 0.0000 | 85.115 | 0.07160 | 0.00000 | 316523.1 | 202938.3 | 100632.1 | S |
| 138.600 | 0.0000 | 0.0000 | 85.115 | 0.07160 | 0.00000 | 316523.1 | 202940.4 | 100632.1 | S |
| 138.608 | 0.0000 | 0.0000 | 85.115 | 0.07159 | 0.00000 | 316523.1 | 202942.5 | 100632.1 | S |
| 138.617 | 0.0000 | 0.0000 | 85.115 | 0.07158 | 0.00000 | 316523.1 | 202944.7 | 100632.1 | S |
| 138.625 | 0.0000 | 0.0000 | 85.115 | 0.07158 | 0.00000 | 316523.1 | 202946.8 | 100632.1 | S |
| 138.633 | 0.0000 | 0.0000 | 85.115 | 0.07157 | 0.00000 | 316523.1 | 202949.0 | 100632.1 | S |
| 138.642 | 0.0000 | 0.0000 | 85.114 | 0.07156 | 0.00000 | 316523.1 | 202951.1 | 100632.1 | S |
| 138.650 | 0.0000 | 0.0000 | 85.114 | 0.07156 | 0.00000 | 316523.1 | 202953.3 | 100632.1 | S |
| 138.658 | 0.0000 | 0.0000 | 85.114 | 0.07155 | 0.00000 | 316523.1 | 202955.4 | 100632.1 | S |
| 138.667 | 0.0000 | 0.0000 | 85.114 | 0.07154 | 0.00000 | 316523.1 | 202957.6 | 100632.1 | S |
| 138.675 | 0.0000 | 0.0000 | 85.114 | 0.07154 | 0.00000 | 316523.1 | 202959.7 | 100632.1 | S |
| 138.683 | 0.0000 | 0.0000 | 85.114 | 0.07153 | 0.00000 | 316523.1 | 202961.9 | 100632.1 | S |
| 138.692 | 0.0000 | 0.0000 | 85.113 | 0.07152 | 0.00000 | 316523.1 | 202964.0 | 100632.1 | S |
| 138.700 | 0.0000 | 0.0000 | 85.113 | 0.07152 | 0.00000 | 316523.1 | 202966.2 | 100632.1 | S |
| 138.708 | 0.0000 | 0.0000 | 85.113 | 0.07151 | 0.00000 | 316523.1 | 202968.3 | 100632.1 | S |
| 138.717 | 0.0000 | 0.0000 | 85.113 | 0.07150 | 0.00000 | 316523.1 | 202970.5 | 100632.1 | S |
| 138.725 | 0.0000 | 0.0000 | 85.113 | 0.07150 | 0.00000 | 3\$6523.1 | 202972.6 | 100632.1 | S |
| 138.733 | 0.0000 | 0.0000 | 85.113 | 0.07149 | 0.00000 | 316523.1 | 202974.7 | 100632.1 | S |
| 138.742 | 0.0000 | 0.0000 | 85.112 | 0.07148 | 0.00000 | 316523.1 | 202976.9 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{fl}^{3 /} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation ( f datum) | Infiltration Rate (filis) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{fl}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 138.750 | 0.0000 | 0.0000 | 85.112 | 0.07148 | 0.00000 | 316523.1 | 202979.0 | 100632.1 | S |
| 138.758 | 0.0000 | 0.0000 | 85.112 | 0.07147 | 0.00000 | 316523.1 | 202981.2 | 100632.1 | S |
| 138.767 | 0.0000 | 0.0000 | 85.112 | 0.07146 | 0.00000 | 316523.1 | 202983.3 | 100632.1 | S |
| 138.775 | 0.0000 | 0.0000 | 85.112 | 0.07146 | 0.00000 | 316523.1 | 202985.5 | 100632.1 | S |
| 138.783 | 0.0000 | 0.0000 | 85.112 | 0.07145 | 0.00000 | 316523.1 | 202987.6 | 100632.1 | S |
| 138.792 | 0.0000 | 0.0000 | 85.112 | 0.07144 | 0.00000 | 316523.1 | 202989.8 | 100632.1 | S |
| 138.800 | 0.0000 | 0.0000 | 85.111 | 0.07144 | 0.00000 | 316523.1 | 202991.9 | 100632.1 | S |
| 138.808 | 0.0000 | 0.0000 | 85.111 | 0.07143 | 0.00000 | 316523.1 | 202994.0 | 100632.1 | S |
| 138.817 | 0.0000 | 0.0000 | 85.111 | 0.07142 | 0.00000 | 316523.1 | 202996.2 | 100632.1 | S |
| 138.825 | 0.0000 | 0.0000 | 85.111 | 0.07142 | 0.00000 | 316523.1 | 202998.3 | 100632.1 | S |
| 138.833 | 0.0000 | 0.0000 | 85.111 | 0.07141 | 0.00000 | 316523.1 | 203000.5 | 100632.1 | S |
| 138.842 | 0.0000 | 0.0000 | 85.111 | 0.07140 | 0.00000 | 316523.1 | 203002.6 | 100632.1 | S |
| 138.850 | 0.0000 | 0.0000 | 85.110 | 0.07140 | 0.00000 | 316523.1 | 203004.8 | 100632.1 | S |
| 138.858 | 0.0000 | 0.0000 | 85.110 | 0.07139 | 0.00000 | 316523.1 | 203006.9 | 100632.1 | S |
| 138.867 | 0.0000 | 0.0000 | 85.110 | 0.07138 | 0.00000 | 316523.1 | 203009.0 | 100632.1 | S |
| 138.875 | 0.0000 | 0.0000 | 85.110 | 0.07138 | 0.00000 | 316523.1 | 203011.2 | 100632.1 | S |
| 138.883 | 0.0000 | 0.0000 | 85.110 | 0.07137 | 0.00000 | 316523.1 | 203013.3 | 100632.1 | S |
| 138.892 | 0.0000 | 0.0000 | 85.110 | 0.07136 | 0.00000 | 316523.1 | 203015.5 | 100632.1 | S |
| 138.900 | 0.0000 | 0.0000 | 85.110 | 0.07136 | 0.00000 | 316523.1 | 203017.6 | 100632.1 | S |
| 138.908 | 0.0000 | 0.0000 | 85.109 | 0.07135 | 0.00000 | 316523.1 | 203019.7 | 100632.1 | S |
| 138.917 | 0.0000 | 0.0000 | 85.109 | 0.07135 | 0.00000 | 316523.1 | 203021.9 | 100632.1 | S |
| 138.925 | 0.0000 | 0.0000 | 85.109 | 0.07134 | 0.00000 | 316523.1 | 203024.0 | 100632.1 | S |
| 138.933 | 0.0000 | 0.0000 | 85.109 | 0.07133 | 0.00000 | 316523.1 | 203026.2 | 100632.1 | S |
| 138.942 | 0.0000 | 0.0000 | 85.109 | 0.07133 | 0.00000 | 316523.1 | 203028.3 | 100632.1 | S |
| 138.950 | 0.0000 | 0.0000 | 85.109 | 0.07132 | 0.00000 | 316523.1 | 203030.4 | 100632.1 | S |
| 138.958 | 0.0000 | 0.0000 | 85.108 | 0.07131 | 0.00000 | 316523.1 | 203032.6 | 100632.1 | S |
| 138.967 | 0.0000 | 0.0000 | 85.108 | 0.07131 | 0.00000 | 316523.1 | 203034.7 | 100632.1 | S |
| 138.975 | 0.0000 | 0.0000 | 85.108 | 0.07130 | 0.00000 | 316523.1 | 203036.8 | 100632.1 | S |
| 138.983 | 0.0000 | 0.0000 | 85.108 | 0.07129 | 0.00000 | 316523.1 | 203039.0 | 100632.1 | S |
| 138.992 | 0.0000 | 0.0000 | 85.108 | 0.07129 | 0.00000 | 316523.1 | 203041.1 | 100632.1 | S |
| 139.000 | 0.0000 | 0.0000 | 85.108 | 0.07128 | 0.00000 | 316523.1 | 203043.3 | 700632.1 | S |
| 139.008 | 0.0000 | 0.0000 | 85.108 | 0.07127 | 0.00000 | 316523.1 | 203045.4 | 100632.1 | S |
| 139.017 | 0.0000 | 0.0000 | 85.107 | 0.07127 | 0.00000 | 316523.1 | 203047.5 | 100632.1 | S |
| 139.025 | 0.0000 | 0.0000 | 85.107 | 0.07126 | 0.00000 | 316523.1 | 203049.7 | 100632.1 | S |
| 139.033 | 0.0000 | 0.0000 | 85.107 | 0.07125 | 0.00000 | 316523.1 | 203051.8 | 100632.1 | S |
| 139.042 | 0.0000 | 0.0000 | 85.107 | 0.07125 | 0.00000 | 316523.1 | 203054.0 | 100632.1 | S |
| 139.050 | 0.0000 | 0.0000 | 85.107 | 0.07124 | 0.00000 | 316523.1 | 203056.1 | 100632.1 | S |
| 139.058 | 0.0000 | 0.0000 | 85.107 | 0.07123 | 0.00000 | 316523.1 | 203058.2 | 100632.1 | S |
| 139.067 | 0.0000 | 0.0000 | 85.106 | 0.07123 | 0.00000 | 316523.1 | 203060.4 | 100632.1 | S |
| 139.075 | 0.0000 | 0.0000 | 85.106 | 0.07122 | 0.00000 | 316523.1 | 203062.5 | 100632.1 | S |
| 139.083 | 0.0000 | 0.0000 | 85.106 | 0.07121 | 0.00000 | 316523.1 | 203064.6 | 100632.1 | S |
| 139.092 | 0.0000 | 0.0000 | 85.106 | 0.07121 | 0.00000 | 316523.1 | 203066.8 | 100632.1 | S |
| 139.100 | 0.0000 | 0.0000 | 85.106 | 0.07120 | 0.00000 | 316523.1 | 203068.9 | 100632.1 | S |
| 139.108 | 0.0000 | 0.0000 | 85.106 | 0.07119 | 0.00000 | 316523.1 | 203071.0 | 100632.1 | S |
| 139.177 | 0.0000 | 0.0000 | 85.105 | 0.07119 | 0.00000 | 316523.1 | 203073.2 | 100632.1 | S |
| 139.125 | 0.0000 | 0.0000 | 85.105 | 0.07118 | 0.00000 | 316523.1 | 203075.3 | 100632.1 | S |
| 139.133 | 0.0000 | 0.0000 | 85.105 | 0.07117 | 0.00000 | 316523.1 | 203077.5 | 100632.1 | S |
| 139.142 | 0.0000 | 0.0000 | 85.105 | 0.07117 | 0.00000 | 316523.7 | 203079.6 | 100632.1 | S |
| 139.150 | 0.0000 | 0.0000 | 85.105 | 0.07116 | 0.00000 | 316523.1 | 20308 ¢. 7 | 100632.1 | S |
| 139.158 | 0.0000 | 0.0000 | 85.105 | 0.07115 | 0.00000 | 316523.1 | 203083.9 | 100632.1 | S |
| 139.167 | 0.0000 | 0.0000 | 85.105 | 0.07115 | 0.00000 | 316523.1 | 203086.0 | 100632.1 | S |
| 139.175 | 0.0000 | 0.0000 | 85.104 | 0.07114 | 0.00000 | 316523.1 | 203088.1 | 100632.1 | S |
| 139.183 | 0.0000 | 0.0000 | 85.104 | 0.07113 | 0.00000 | 316523.1 | 203090.3 | 100632.1 | S |
| 139.192 | 0.0000 | 0.0000 | 85.104 | 0.07113 | 0.00000 | 316523.1 | 203092.4 | 100632.1 | S |
| 139.200 | 0.0000 | 0.0000 | 85.104 | 0.07112 | 0.00000 | 316523.1 | 203094.5 | 100632.1 | S |
| 139.208 | 0.0000 | 0.0000 | 85.104 | 0.07112 | 0.00000 | 316523.1 | 203096.7 | 100632.1 | S |
| 139.217 | 0.0000 | 0.0000 | 85.104 | 0.07111 | 0.00000 | 316523.1 | 203098.8 | 100632.1 | S |
| 139.225 | 0.0000 | 0.0000 | 85.103 | 0.07110 | 0.00000 | 316523.1 | 203100.9 | 100632.1 | S |
| 139.233 | 0.0000 | 0.0000 | 85.103 | 0.07110 | 0.00000 | 316523.1 | 203103.1 | 100632.1 | S |
| 139.242 | 0.0000 | 0.0000 | 85.103 | 0.07109 | 0.00000 | 316523.1 | 203105.2 | 100632.1 | S |
| 139.250 | 0.0000 | 0.0000 | 85.103 | 0.07108 | 0.00000 | 316523.1 | 203107.3 | 100632.1 | S |
| 139.258 | 0.0000 | 0.0000 | 85.103 | 0.07108 | 0.00000 | 316523.1 | 203109.5 | 100632.1 | S |
| 139.267 | 0.0000 | 0.0000 | 85.103 | 0.07107 | 0.00000 | 316523.1 | 203111.6 | 100632.1 | S |
| 139.275 | 0.0000 | 0.0000 | 85.103 | 0.07106 | 0.00000 | 316523.1 | 203113.7 | 100632.1 | S |
| 139.283 | 0.0000 | 0.0000 | 85.102 | 0.07106 | 0.00000 | 316523.1 | 203115.9 | 100632.1 | S |
| 139.292 | 0.0000 | 0.0000 | 85.102 | 0.07105 | 0.00000 | 316523.1 | 203118.0 | 100632.1 | S |
| 139.300 | 0.0000 | 0.0000 | 85.102 | 0.07104 | 0.00000 | 316523.1 | 203120.1 | 100632.1 | S |
| 139.308 | 0.0000 | 0.0000 | 85.102 | 0.07104 | 0.00000 | 316523.1 | 203122.3 | 100632.1 | S |
| 139.317 | 0.0000 | 0.0000 | 85.102 | 0.07103 | 0.00000 | 316523.1 | 203124.4 | 100632.1 | S |
| 139.325 | 0.0000 | 0.0000 | 85.102 | 0.07102 | 0.00000 | 316523.1 | 203126.5 | 100632.1 | S |
| 139.333 | 0.0000 | 0.0000 | 85.101 | 0.07102 | 0.00000 | 316523.1 | 203128.6 | 100632.1 | S |
| 139.342 | 0.0000 | 0.0000 | 85.101 | 0.07101 | 0.00000 | 316523.1 | 203130.8 | 100632.1 | S |
| 139.350 | 0.0000 | 0.0000 | 85.101 | 0.07100 | 0.00000 | 316523.1 | 203132.9 | 100632.1 | S |
| 139.358 | 0.0000 | 0.0000 | 85.101 | 0.07100 | 0.00000 | 316523.1 | 203135.0 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Infiow <br> Rate <br> ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{It}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{t}^{3}$ ) | Cumułative Infiltration Volume ( $\mathrm{t}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{H}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 139.367 | 0.0000 | 0.0000 | 85,101 | 0.07099 | 0.00000 | 316523.1 | 203137.2 | 100632.1 | S |
| 139.375 | 0.0000 | 0.0000 | 85,101 | 0.07098 | 0.00000 | 316523.1 | 203139.3 | 100632.1 | S |
| 139.383 | 0.0000 | 0.0000 | 85.101 | 0.07098 | 0.00000 | 316523.1 | 203141.4 | 100632.1 | S |
| 139.392 | 0.0000 | 0.0000 | 85.100 | 0.07097 | 0.00000 | 316523.1 | 203143.5 | 100632.1 | S |
| 139.400 | 0.0000 | 0.0000 | 85.100 | 0.07096 | 0.00000 | 316523.1 | 203145.7 | 100632.1 | S |
| 139.408 | 0.0000 | 0.0000 | 85.100 | 0.07096 | 0.00000 | 316523.1 | 203147.8 | 100632.1 | S |
| 139.417 | 0.0000 | 0.0000 | 85.100 | 0.07095 | 0.00000 | 316523.1 | 203149.9 | 100632.1 | S |
| 139.425 | 0.0000 | 0.0000 | 85.100 | 0.07095 | 0.00000 | 316523.1 | 203152.1 | 100632.1 | S |
| 139.433 | 0.0000 | 0.0000 | 85.100 | 0.07094 | 0.00000 | 316523.1 | 203154.2 | 100632.1 | S |
| 139.442 | 0.0000 | 0.0000 | 85.099 | 0.07093 | 0.00000 | 316523.1 | 203156.3 | 100632.1 | S |
| 139.450 | 0.0000 | 0.0000 | 85.099 | 0.07093 | 0.00000 | 316523.1 | 203158.5 | 100632.1 | S |
| 139.458 | 0.0000 | 0.0000 | 85.099 | 0.07092 | 0.00000 | 316523.1 | 203160.6 | 100632.1 | S |
| 139.467 | 0.0000 | 0.0000 | 85.099 | 0.07091 | 0.00000 | 316523.1 | 203162.7 | 100632.1 | S |
| 139.475 | 0.0000 | 0.0000 | 85.099 | 0.07091 | 0.00000 | 316523.1 | 203164.8 | 100632.1 | S |
| 139.483 | 0.0000 | 0.0000 | 85.099 | 0.07090 | 0.00000 | 316523.1 | 203167.0 | 100632.1 | S |
| 139.492 | 0.0000 | 0.0000 | 85.098 | 0.07089 | 0.00000 | 316523.1 | 203169.1 | 100632.1 | S |
| 139.500 | 0.0000 | 0.0000 | 85.098 | 0.07089 | 0.00000 | 316523.1 | 203171.2 | 100632.1 | S |
| 139.508 | 0.0000 | 0.0000 | 85.098 | 0.07088 | 0.00000 | 316523.1 | 203173.3 | 100632.1 | S |
| 139.517 | 0.0000 | 0.0000 | 85.098 | 0.07087 | 0.00000 | 316523.1 | 203175.5 | 100632.1 | S |
| 139.525 | 0.0000 | 0.0000 | 85.098 | 0.07087 | 0.00000 | 316523.1 | 203177.6 | 100632.1 | S |
| 139.533 | 0.0000 | 0.0000 | 85.098 | 0.07086 | 0.00000 | 316523.1 | 203179.7 | 100632.1 | S |
| 139.542 | 0.0000 | 0.0000 | 85.098 | 0.07085 | 0.00000 | 316523.1 | 203181.8 | 100632.1 | S |
| 139.550 | 0.0000 | 0.0000 | 85.097 | 0.07085 | 0.00000 | 316523.1 | 203184.0 | 100632.1 | S |
| 139.558 | 0.0000 | 0.0000 | 85.097 | 0.07084 | 0.00000 | 316523.1 | 203186.1 | 100632.1 | S |
| 139.567 | 0.0000 | 0.0000 | 85.097 | 0.07083 | 0.00000 | 316523.1 | 203188.2 | 100632.1 | S |
| 139.575 | 0.0000 | 0.0000 | 85.097 | 0.07083 | 0.00000 | 316523.1 | 203190.3 | 100632.1 | S |
| 139.583 | 0.0000 | 0.0000 | 85.097 | 0.07082 | 0.00000 | 316523.1 | 203192.5 | 100632.1 | S |
| 139.592 | 0.0000 | 0.0000 | 85.097 | 0.07081 | 0.00000 | 316523.1 | 203194.6 | 100632.1 | S |
| 139.600 | 0.0000 | 0.0000 | 85.096 | 0.07081 | 0.00000 | 316523.1 | 203196.7 | 100632.1 | S |
| 139.608 | 0.0000 | 0.0000 | 85.096 | 0.07080 | 0.00000 | 316523.1 | 203198.8 | 100632.1 | S |
| 139.617 | 0.0000 | 0.0000 | 85.096 | 0.07080 | 0.00000 | 316523.1 | 203201.0 | 100632.1 | S |
| 139.625 | 0.0000 | 0.0000 | 85.096 | 0.07079 | 0.00000 | 316523.1 | 203203.1 | 100632.1 | S |
| 139.633 | 0.0000 | 0.0000 | 85.096 | 0.07078 | 0.00000 | 316523.1 | 203205.2 | 100632.1 | S |
| 139.642 | 0.0000 | 0.0000 | 85.096 | 0.07078 | 0.00000 | 316523.1 | 203207.3 | 100632.1 | S |
| 139.650 | 0.0000 | 0.0000 | 85.096 | 0.07077 | 0.00000 | 316523.1 | 203209.5 | 100632.1 | S |
| 139.658 | 0.0000 | 0.0000 | 85.095 | 0.07076 | 0.00000 | 316523.1 | 203211.6 | 100632.1 | S |
| 139.667 | 0.0000 | 0.0000 | 85.095 | 0.07076 | 0.00000 | 316523.1 | 203213.7 | 100632.1 | S |
| 139.675 | 0.0000 | 0.0000 | 85.095 | 0.07075 | 0.00000 | $316523 . \ddagger$ | 203215.8 | 100632.1 | S |
| 139.683 | 0.0000 | 0.0000 | 85.095 | 0.07074 | 0.00000 | 316523.1 | 203218.0 | 100632.1 | S |
| 139.692 | 0.0000 | 0.0000 | 85.095 | 0.07074 | 0.00000 | 316523.1 | 203220.1 | 100632.1 | S |
| 139.700 | 0.0000 | 0.0000 | 85.095 | 0.07073 | 0.00000 | 316523.1 | 203222.2 | 100632.1 | S |
| 139.708 | 0.0000 | 0.0000 | 85.094 | 0.07072 | 0.00000 | 316523.1 | 203224.3 | 100632.1 | S |
| 139.717 | 0.0000 | 0.0000 | 85.094 | 0.07072 | 0.00000 | 316523.1 | 203226.4 | 100632.1 | S |
| 139.725 | 0.0000 | 0.0000 | 85.094 | 0.07071 | 0.00000 | 316523.1 | 203228.6 | 100632.1 | S |
| 139.733 | 0.0000 | 0.0000 | 85.094 | 0.07070 | 0.00000 | 316523.1 | 203230.7 | 100632.1 | S |
| 139.742 | 0.0000 | 0.0000 | 85.094 | 0.07070 | 0.00000 | 316523.1 | 203232.8 | 100632.1 | S |
| 139.750 | 0.0000 | 0.0000 | 85.094 | 0.07069 | 0.00000 | 316523.1 | 203234.9 | 100632.1 | S |
| 139.758 | 0.0000 | 0.0000 | 85.094 | 0.07068 | 0.00000 | 316523.1 | 203237.0 | 100632.1 | S |
| 139.767 | 0.0000 | 0.0000 | 85.093 | 0.07068 | 0.00000 | 316523.1 | 203239.2 | 100632.1 | S |
| 139.775 | 0.0000 | 0.0000 | 85.093 | 0.07067 | 0.00000 | 316523.1 | 203241.3 | 100632.1 | S |
| 139.783 | 0.0000 | 0.0000 | 85.093 | 0.07067 | 0.00000 | 316523.1 | 203243.4 | 100632.1 | S |
| 139.792 | 0.0000 | 0.0000 | 85.093 | 0.07066 | 0.00000 | 316523.1 | 203245.5 | 100632.1 | S |
| 139.800 | 0.0000 | 0.0000 | 85.093 | 0.07065 | 0.00000 | 316523.1 | 203247.6 | 100632.1 | S |
| 139.808 | 0.0000 | 0.0000 | 85.093 | 0.07065 | 0.00000 | 316523.1 | 203249.8 | 100632.1 | S |
| 139.817 | 0.0000 | 0.0000 | 85.092 | 0.07064 | 0.00000 | 316523.1 | 203251.9 | 100632.1 | S |
| 139.825 | 0.0000 | 0.0000 | 85.092 | 0.07063 | 0.00000 | 316523.1 | 203254.0 | 100632.1 | S |
| 139.833 | 0.0000 | 0.0000 | 85.092 | 0.07063 | 0.00000 | 316523.1 | 203256.1 | 100632.1 | S |
| 139.842 | 0.0000 | 0.0000 | 85.092 | 0.07062 | 0.00000 | 316523.1 | 203258.2 | 100632.1 | S |
| 139.850 | 0.0000 | 0.0000 | 85.092 | 0.07061 | 0.00000 | 316523.1 | 203260.4 | 100632.1 | S |
| 139.858 | 0.0000 | 0.0000 | 85.092 | 0.07061 | 0.00000 | 316523.1 | 203262.5 | 100632.1 | S |
| 139.867 | 0.0000 | 0.0000 | 85.092 | 0.07060 | 0.00000 | 316523.1 | 203264.6 | 100632.1 | S |
| 139.875 | 0.0000 | 0.0000 | 85.091 | 0.07059 | 0.00000 | 316523.1 | 203266.7 | 100632.1 | S |
| 139.883 | 0.0000 | 0.0000 | 85.091 | 0.07059 | 0.00000 | 316523.1 | 203268.8 | 100632.1 | S |
| 139.892 | 0.0000 | 0.0000 | 85.091 | 0.07058 | 0.00000 | 316523.1 | 203271.0 | 100632.1 | S |
| 139.900 | 0.0000 | 0.0000 | 85.091 | 0.07057 | 0.00000 | 316523.1 | 203273.1 | 100632.1 | S |
| 139.908 | 0.0000 | 0.0000 | 85.091 | 0.07057 | 0.00000 | 316523.1 | 203275.2 | 100632.1 | S |
| 139.917 | 0.0000 | 0.0000 | 85.091 | 0.07056 | 0.00000 | 316523.1 | 203277.3 | 100632.1 | S |
| 139.925 | 0.0000 | 0.0000 | 85.090 | 0.07055 | 0.00000 | 316523.1 | 203279.4 | 100632.1 | S |
| 139.933 | 0.0000 | 0.0000 | 85.090 | 0.07055 | 0.00000 | 316523.1 | 203281.5 | 100632.1 | S |
| 139.942 | 0.0000 | 0.0000 | 85.090 | 0.07054 | 0.00000 | 316523.1 | 203283.7 | 100632.1 | S |
| 139.950 | 0.0000 | 0.0000 | 85.090 | 0.07054 | 0.00000 | 316523.1 | 203285.8 | 100632.1 | S |
| 139.958 | 0.0000 | 0.0000 | 85.090 | 0.07053 | 0.00000 | 316523.1 | 203287.9 | 100632.1 | S |
| 139.967 | 0.0000 | 0.0000 | 85.090 | 0.07052 | 0.00000 | 316523.1 | 203290.0 | 100632.1 | S |
| 139.975 | 0.0000 | 0.0000 | 85.090 | 0.07052 | 0.00000 | 316523.1 | 203292.1 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{3 / \mathrm{s}}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{t}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 139.983 | 0.0000 | 0.0000 | 85.089 | 0.07051 | 0.00000 | 316523.1 | 203294.2 | 100632.1 | S |
| 139.992 | 0.0000 | 0.0000 | 85.089 | 0.07050 | 0.00000 | 316523.1 | 203296.3 | 100632.1 | S |
| 140.000 | 0.0000 | 0.0000 | 85.089 | 0.07050 | 0.00000 | 316523.1 | 203298.5 | 100632.1 | S |
| 140.008 | 0.0000 | 0.0000 | 85.089 | 0.07049 | 0.00000 | 316523.1 | 203300.6 | 100632.1 | S |
| 140.017 | 0.0000 | 0.0000 | 85.089 | 0.07048 | 0.00000 | 316523.1 | 203302.7 | 100632.1 | S |
| 140.025 | 0.0000 | 0.0000 | 85.089 | 0.07048 | 0.00000 | 316523.1 | 203304.8 | 100632.1 | S |
| 140.033 | 0.0000 | 0.0000 | 85.088 | 0.07047 | 0.00000 | 316523.1 | 203306.9 | 100632.1 | S |
| 140.042 | 0.0000 | 0.0000 | 85.088 | 0.07046 | 0.00000 | 316523.1 | 203309.0 | 100632.1 | S |
| 140.050 | 0.0000 | 0.0000 | 85.088 | 0.07046 | 0.00000 | 316523.1 | 203311.1 | 100632.1 | S |
| 140.058 | 0.0000 | 0.0000 | 85.088 | 0.07045 | 0.00000 | 316523.1 | 203313.3 | 100632.1 | S |
| 140.067 | 0.0000 | 0.0000 | 85.088 | 0.07044 | 0.00000 | 316523.1 | 203315.4 | 100632.1 | S |
| 140.075 | 0.0000 | 0.0000 | 85.088 | 0.07044 | 0.00000 | 316523.1 | 203317.5 | 100632.1 | S |
| 140.083 | 0.0000 | 0.0000 | 85.087 | 0.07043 | 0.00000 | 316523.1 | 203319.6 | 100632.1 | S |
| 140.092 | 0.0000 | 0.0000 | 85.087 | 0.07043 | 0.00000 | 316523.1 | 203321.7 | 100632.1 | S |
| 140.100 | 0.0000 | 0.0000 | 85.087 | 0.07042 | 0.00000 | 316523.1 | 203323.8 | 100632.1 | S |
| 140.108 | 0.0000 | 0.0000 | 85.087 | 0.07041 | 0.00000 | 316523.1 | 203325.9 | 100632.1 | S |
| 140.117 | 0.0000 | 0.0000 | 85.087 | 0.07041 | 0.00000 | 316523.1 | 203328.0 | 100632.1 | S |
| 140.125 | 0.0000 | 0.0000 | 85.087 | 0.07040 | 0.00000 | 316523.1 | 203330.2 | 100632.1 | S |
| 140.133 | 0.0000 | 0.0000 | 85.087 | 0.07039 | 0.00000 | 316523.1 | 203332.3 | 100632.1 | S |
| 140.142 | 0.0000 | 0.0000 | 85.086 | 0.07039 | 0.00000 | 316523.1 | 203334.4 | 100632.1 | S |
| 140.150 | 0.0000 | 0.0000 | 85.086 | 0.07038 | 0.00000 | 316523.1 | 203336.5 | 100632.1 | S |
| 140.158 | 0.0000 | 0.0000 | 85.086 | 0.07037 | 0.00000 | 316523.1 | 203338.6 | 100632.1 | S |
| 140.167 | 0.0000 | 0.0000 | 85.086 | 0.07037 | 0.00000 | 316523.1 | 203340.7 | 100632.1 | S |
| 140.175 | 0.0000 | 0.0000 | 85.086 | 0.07036 | 0.00000 | 316523.1 | 203342.8 | 100632.1 | S |
| 140.183 | 0.0000 | 0.0000 | 85.086 | 0.07035 | 0.00000 | 316523.1 | 203344.9 | 100632.1 | S |
| 140.192 | 0.0000 | 0.0000 | 85.085 | 0.07035 | 0.00000 | 316523.1 | 203347.0 | 100632.1 | S |
| 140.200 | 0.0000 | 0.0000 | 85.085 | 0.07034 | 0.00000 | 316523.1 | 203349.2 | 100632.7 | S |
| 140.208 | 0.0000 | 0.0000 | 85.085 | 0.07033 | 0.00000 | 316523.1 | 203351.3 | 100632.1 | S |
| 140.217 | 0.0000 | 0.0000 | 85.085 | 0.07033 | 0.00000 | 316523.1 | 203353.4 | 100632.1 | S |
| 140.225 | 0.0000 | 0.0000 | 85.085 | 0.07032 | 0.00000 | 316523.1 | 203355.5 | 100632.1 | S |
| 140.233 | 0.0000 | 0.0000 | 85.085 | 0.07032 | 0.00000 | 316523.1 | 203357.6 | 100632.1 | S |
| 140.242 | 0.0000 | 0.0000 | 85.085 | 0.07031 | 0.00000 | 316523.1 | 203359.7 | 100632.1 | S |
| 140.250 | 0.0000 | 0.0000 | 85.084 | 0.07030 | 0.00000 | 316523.1 | 203361.8 | 100632.1 | S |
| 140.258 | 0.0000 | 0.0000 | 85.084 | 0.07030 | 0.00000 | 316523.1 | 203363.9 | 100632.1 | S |
| 140.267 | 0.0000 | 0.0000 | 85.084 | 0.07029 | 0.00000 | 316523.1 | 203366.0 | 100632.1 | S |
| 140.275 | 0.0000 | 0.0000 | 85.084 | 0.07028 | 0.00000 | 316523.1 | 203368.1 | 100632.1 | S |
| 140.283 | 0.0000 | 0.0000 | 85.084 | 0.07028 | 0.00000 | 316523.1 | 203370.3 | 100632.1 | S |
| 140.292 | 0.0000 | 0.0000 | 85.084 | 0.07027 | 0.00000 | 316523.1 | 203372.4 | 100632.1 | S |
| 140.300 | 0.0000 | 0.0000 | 85.083 | 0.07026 | 0.00000 | 316523.1 | 203374.5 | 100632.1 | S |
| 140.308 | 0.0000 | 0.0000 | 85.083 | 0.07026 | 0.00000 | 316523.1 | 203376.6 | 100632.1 | S |
| 140.317 | 0.0000 | 0.0000 | 85.083 | 0.07025 | 0.00000 | 316523.1 | 203378.7 | 100632.1 | S |
| 140.325 | 0.0000 | 0.0000 | 85.083 | 0.07024 | 0.00000 | 316523.1 | 203380.8 | 100632.1 | S |
| 140.333 | 0.0000 | 0.0000 | 85.083 | 0.07024 | 0.00000 | 316523.1 | 203382.9 | 100632.1 | S |
| 140.342 | 0.0000 | 0.0000 | 85.083 | 0.07023 | 0.00000 | 316523.1 | 203385.0 | 100632.1 | S |
| 140.350 | 0.0000 | 0.0000 | 85.083 | 0.07023 | 0.00000 | 316523.1 | 203387.1 | 100632.1 | S |
| 140.358 | 0.0000 | 0.0000 | 85.082 | 0.07022 | 0.00000 | 316523.1 | 203389.2 | 100632.7 | S |
| 140.367 | 0.0000 | 0.0000 | 85.082 | 0.07021 | 0.00000 | 316523.1 | 203391.3 | 100632.1 | S |
| 140.375 | 0.0000 | 0.0000 | 85.082 | 0.07021 | 0.00000 | 316523.1 | 203393.4 | 100632.1 | S |
| 140.383 | 0.0000 | 0.0000 | 85.082 | 0.07020 | 0.00000 | 316523.1 | 203395.5 | 100632.1 | S |
| 140.392 | 0.0000 | 0.0000 | 85.082 | 0.07019 | 0.00000 | 316523.1 | 203397.6 | 100632.1 | S |
| 140.400 | 0.0000 | 0.0000 | 85.082 | 0.07019 | 0.00000 | 316523.1 | 203399.8 | 100632.1 | S |
| 140.408 | 0.0000 | 0.0000 | 85.081 | 0.07018 | 0.00000 | 316523.1 | 203401.9 | 100632.1 | S |
| 140.417 | 0.0000 | 0.0000 | 85.081 | 0.07017 | 0.00000 | 316523.1 | 203404.0 | 100632.1 | S |
| 140.425 | 0.0000 | 0.0000 | 85.081 | 0.07017 | 0.00000 | 316523.1 | 203406.1 | 100632.1 | S |
| 140.433 | 0.0000 | 0.0000 | 85.081 | 0.07016 | 0.00000 | 316523.1 | 203408.2 | 100632.1 | S |
| 140.442 | 0.0000 | 0.0000 | 85.081 | 0.07015 | 0.00000 | 316523.1 | 203410.3 | 100632.1 | S |
| 140.450 | 0.0000 | 0.0000 | 85.081 | 0.07015 | 0.00000 | 316523.1 | 203412.4 | 100632.1 | S |
| \$40.458 | 0.0000 | 0.0000 | 85.081 | 0.07014 | 0.00000 | 316523.1 | 203414.5 | 100632.1 | S |
| 140.467 | 0.0000 | 0.0000 | 85.080 | 0.07014 | 0.00000 | 316523.1 | 203416.6 | 100632.1 | S |
| 140.475 | 0.0000 | 0.0000 | 85.080 | 0.07013 | 0.00000 | 316523.1 | 203418.7 | 100632.1 | S |
| 140.483 | 0.0000 | 0.0000 | 85.080 | 0.07012 | 0.00000 | 316523.1 | 203420.8 | 100632.1 | S |
| 140.492 | 0.0000 | 0.0000 | 85.080 | 0.07012 | 0.00000 | 316523.1 | 203422.9 | 100632.1 | S |
| 140.500 | 0.0000 | 0.0000 | 85.080 | 0.07011 | 0.00000 | 316523.1 | 203425.0 | 100632.1 | S |
| 140.508 | 0.0000 | 0.0000 | 85.080 | 0.07010 | 0.00000 | 316523.1 | 203427.1 | 100632.1 | S |
| 140.517 | 0.0000 | 0.0000 | 85.079 | 0.07010 | 0.00000 | 316523.1 | 203429.2 | 100632.1 | S |
| 140.525 | 0.0000 | 0.0000 | 85.079 | 0.07009 | 0.00000 | 316523.1 | 203431.3 | 100632.1 | S |
| 140.533 | 0.0000 | 0.0000 | 85.079 | 0.07008 | 0.00000 | 316523.1 | 203433.4 | 100632.1 | S |
| 140.542 | 0.0000 | 0.0000 | 85.079 | 0.07008 | 0.00000 | 316523.1 | 203435.5 | 100632.1 | S |
| 140.550 | 0.0000 | 0.0000 | 85.079 | 0.07007 | 0.00000 | 316523.1 | 203437.6 | 100632.1 | S |
| 140.558 | 0.0000 | 0.0000 | 85.079 | 0.07006 | 0.00000 | 316523.1 | 203439.7 | 100632.1 | S |
| 140.567 | 0.0000 | 0.0000 | 85.079 | 0.07006 | 0.00000 | 316523.1 | 203441.8 | 100632.1 | S |
| 140.575 | 0.0000 | 0.0000 | 85.078 | 0.07005 | 0.00000 | 316523.1 | 203443.9 | 100632.1 | S |
| 140.583 | 0.0000 | 0.0000 | 85.078 | 0.07005 | 0.00000 | 316523.1 | 203446.0 | 100632.1 | S |
| 140.592 | 0.0000 | 0.0000 | 85.078 | 0.07004 | 0.00000 | 316523.1 | 203448.1 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate (f13/s) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 140.600 | 0.0000 | 0.0000 | 85.078 | 0.07003 | 0.00000 | 316523.1 | 203450.2 | 100632.1 | S |
| 140.608 | 0.0000 | 0.0000 | 85.078 | 0.07003 | 0.00000 | 316523.1 | 203452.3 | 100632.1 | S |
| 140.617 | 0.0000 | 0.0000 | 85.078 | 0.07002 | 0.00000 | 316523.1 | 203454.4 | 100632.1 | S |
| 140.625 | 0.0000 | 0.0000 | 85.077 | 0.07001 | 0.00000 | 316523.1 | 203456.5 | 100632.1 | S |
| 140.633 | 0.0000 | 0.0000 | 85.077 | 0.07001 | 0.00000 | 316523.1 | 203458.6 | 100632.1 | S |
| 140.642 | 0.0000 | 0.0000 | 85.077 | 0.07000 | 0.00000 | 316523.1 | 203460.7 | 100632.1 | S |
| 140.650 | 0.0000 | 0.0000 | 85.077 | 0.06999 | 0.00000 | 316523.1 | 203462.8 | 100632.1 | S |
| 140.658 | 0.0000 | 0.0000 | 85.077 | 0.06999 | 0.00000 | 316523.1 | 203464.9 | 100632.1 | S |
| 140.667 | 0.0000 | 0.0000 | 85.077 | 0.06998 | 0.00000 | 316523.1 | 203467.0 | 100632.1 | S |
| 140.675 | 0.0000 | 0.0000 | 85.077 | 0.06997 | 0.00000 | 316523.1 | 203469.1 | 100632.1 | S |
| 140.683 | 0.0000 | 0.0000 | 85.076 | 0.06997 | 0.00000 | 316523.1 | 203471.2 | 100632.1 | S |
| 140.692 | 0.0000 | 0.0000 | 85.076 | 0.06996 | 0.00000 | 316523.1 | 203473.3 | 100632.1 | S |
| 140.700 | 0.0000 | 0.0000 | 85.076 | 0.06996 | 0.00000 | 316523.1 | 203475.4 | 100632.1 | S |
| 140.708 | 0.0000 | 0.0000 | 85.076 | 0.06995 | 0.00000 | 316523.1 | 203477.5 | 100632.1 | S |
| 140.717 | 0.0000 | 0.0000 | 85.076 | 0.06994 | 0.00000 | 316523.1 | 203479.6 | 100632.1 | S |
| 140.725 | 0.0000 | 0.0000 | 85.076 | 0.06994 | 0.00000 | 316523.1 | 203481.7 | 100632.1 | S |
| 140.733 | 0.0000 | 0.0000 | 85.075 | 0.06993 | 0.00000 | 316523.1 | 203483.8 | 100632.1 | S |
| 140.742 | 0.0000 | 0.0000 | 85.075 | 0.06992 | 0.00000 | 316523.1 | 203485.9 | 100632.1 | S |
| 140.750 | 0.0000 | 0.0000 | 85.075 | 0.06992 | 0.00000 | 316523.1 | 203488.0 | 100632.1 | S |
| 140.758 | 0.0000 | 0.0000 | 85.075 | 0.06991 | 0.00000 | 316523.1 | 203490.1 | 100632.1 | S |
| 140.767 | 0.0000 | 0.0000 | 85.075 | 0.06990 | 0.00000 | 316523.1 | 203492.2 | 100632.1 | S |
| 140.775 | 0.0000 | 0.0000 | 85.075 | 0.06990 | 0.00000 | 316523.1 | 203494.3 | 100632.1 | S |
| 140.783 | 0.0000 | 0.0000 | 85.075 | 0.06989 | 0.00000 | 316523.1 | 203496.4 | 100632.1 | S |
| 140.792 | 0.0000 | 0.0000 | 85.074 | 0.06989 | 0.00000 | 316523.1 | 203498.5 | 100632.1 | S |
| 140.800 | 0.0000 | 0.0000 | 85.074 | 0.06988 | 0.00000 | 316523.1 | 203500.6 | 100632.1 | S |
| 140.808 | 0.0000 | 0.0000 | 85.074 | 0.06987 | 0.00000 | 316523.1 | 203502.7 | 100632.1 | S |
| 140.817 | 0.0000 | 0.0000 | 85.074 | 0.06987 | 0.00000 | 316523.1 | 203504.8 | 100632.1 | S |
| 140.825 | 0.0000 | 0.0000 | 85.074 | 0.06986 | 0.00000 | 316523.1 | 203506.9 | 100632.1 | S |
| 140.833 | 0.0000 | 0.0000 | 85.074 | 0.06985 | 0.00000 | 316523.1 | 203509.0 | 100632.1 | S |
| 140.842 | 0.0000 | 0.0000 | 85.073 | 0.06985 | 0.00000 | 316523.1 | 203511.1 | 100632.1 | S |
| 140.850 | 0.0000 | 0.0000 | 85.073 | 0.06984 | 0.00000 | 316523.1 | 203513.2 | 100632.1 | S |
| 140.858 | 0.0000 | 0.0000 | 85.073 | 0.06983 | 0.00000 | 316523.1 | 203515.3 | 100632.1 | S |
| 140.867 | 0.0000 | 0.0000 | 85.073 | 0.06983 | 0.00000 | 316523.1 | 203517.4 | 100632.1 | S |
| 140.875 | 0.0000 | 0.0000 | 85.073 | 0.06982 | 0.00000 | 316523.1 | 203519.5 | 100632.1 | S |
| 140.883 | 0.0000 | 0.0000 | 85.073 | 0.06981 | 0.00000 | 316523.1 | 203521.5 | 100632.1 | S |
| 140.892 | 0.0000 | 0.0000 | 85.073 | 0.06981 | 0.00000 | 316523.1 | 203523.6 | 100632.1 | S |
| 140.900 | 0.0000 | 0.0000 | 85.072 | 0.06980 | 0.00000 | 316523.1 | 203525.7 | 100632.1 | S |
| 140.908 | 0.0000 | 0.0000 | 85.072 | 0.06980 | 0.00000 | 316523.1 | 203527.8 | 100632.1 | S |
| 140.917 | 0.0000 | 0.0000 | 85.072 | 0.06979 | 0.00000 | 316523.1 | 203529.9 | 100632.1 | S |
| 140.925 | 0.0000 | 0.0000 | 85.072 | 0.06978 | 0.00000 | 316523.1 | 203532.0 | 100632.1 | S |
| 140.933 | 0.0000 | 0.0000 | 85.072 | 0.06978 | 0.00000 | 316523.1 | 203534.1 | 100632.1 | S |
| 140.942 | 0.0000 | 0.0000 | 85.072 | 0.06977 | 0.00000 | 316523.1 | 203536.2 | 100632.1 | S |
| 140.950 | 0.0000 | 0.0000 | 85.071 | 0.06976 | 0.00000 | 316523.1 | 203538.3 | 100632.1 | S |
| 140.958 | 0.0000 | 0.0000 | 85.071 | 0.06976 | 0.00000 | 316523.1 | 203540.4 | 100632.1 | S |
| 140.967 | 0.0000 | 0.0000 | 85.071 | 0.06975 | 0.00000 | 316523.1 | 203542.5 | 100632.1 | S |
| 140.975 | 0.0000 | 0.0000 | 85.071 | 0.06974 | 0.00000 | 316523.4 | 203544.6 | 100632.1 | S |
| 140.983 | 0.0000 | 0.0000 | 85.071 | 0.06974 | 0.00000 | 316523.1 | 203546.7 | 100632.1 | S |
| 140.992 | 0.0000 | 0.0000 | 85.071 | 0.06973 | 0.00000 | 316523.1 | 203548.8 | 100632.1 | S |
| 141.000 | 0.0000 | 0.0000 | 85.071 | 0.06973 | 0.00000 | 316523.1 | 203550.9 | 100632.1 | S |
| 141.008 | 0.0000 | 0.0000 | 85.070 | 0.06972 | 0.00000 | 316523.1 | 203553.0 | 100632.1 | S |
| 141.017 | 0.0000 | 0.0000 | 85.070 | 0.06971 | 0.00000 | 316523.1 | 203555.0 | 100632.1 | S |
| 141.025 | 0.0000 | 0.0000 | 85.070 | 0.06971 | 0.00000 | 316523.1 | 203557.1 | 100632.1 | S |
| 141.033 | 0.0000 | 0.0000 | 85.070 | 0.06970 | 0.00000 | 316523.1 | 203559.2 | 100632.1 | S |
| 141.042 | 0.0000 | 0.0000 | 85.070 | 0.06969 | 0.00000 | 316523.1 | 203561.3 | 100632.1 | S |
| 141.050 | 0.0000 | 0.0000 | 85.070 | 0.06969 | 0.00000 | 316523.1 | 203563.4 | 100632.1 | S |
| 141.058 | 0.0000 | 0.0000 | 85.069 | 0.06968 | 0.00000 | 316523.1 | 203565.5 | 100632.1 | S |
| 141.067 | 0.0000 | 0.0000 | 85.069 | 0.06967 | 0.00000 | 316523.1 | 203567.6 | 100632.1 | S |
| 141.075 | 0.0000 | 0.0000 | 85.069 | 0.06967 | 0.00000 | 316523.1 | 203569.7 | 100632.1 | S |
| 141.083 | 0.0000 | 0.0000 | 85.069 | 0.06966 | 0.00000 | 316523.1 | 203571.8 | 100632.1 | S |
| 141.092 | 0.0000 | 0.0000 | 85.069 | 0.06966 | 0.00000 | 316523.1 | 203573.9 | 100632.1 | S |
| 141.100 | 0.0000 | 0.0000 | 85.069 | 0.06965 | 0.00000 | 316523.1 | 203575.9 | 100632.1 | S |
| 141.108 | 0.0000 | 0.0000 | 85.069 | 0.06964 | 0.00000 | 316523.1 | 203578.0 | 100632.1 | S |
| 141.117 | 0.0000 | 0.0000 | 85.068 | 0.06964 | 0.00000 | 316523.1 | 203580.1 | 100632.1 | S |
| 141.125 | 0.0000 | 0.0000 | 85.068 | 0.06963 | 0.00000 | 316523.1 | 203582.2 | 100632.1 | S |
| 141.133 | 0.0000 | 0.0000 | 85.068 | 0.06962 | 0.00000 | 316523.1 | 203584.3 | 100632.1 | S |
| 141.142 | 0.0000 | 0.0000 | 85.068 | 0.06962 | 0.00000 | 316523.1 | 203586.4 | 100632.1 | S |
| 141.150 | 0.0000 | 0.0000 | 85.068 | 0.06961 | 0.00000 | 316523.1 | 203588.5 | 100632.1 | S |
| 141.158 | 0.0000 | 0.0000 | 85.068 | 0.06960 | 0.00000 | 316523.1 | 203590.6 | 100632.4 | S |
| 141.167 | 0.0000 | 0.0000 | 85.067 | 0.06960 | 0.00000 | 316523.1 | 203592.7 | 100632.1 | S |
| 141.175 | 0.0000 | 0.0000 | 85.067 | 0.06959 | 0.00000 | 316523.1 | 203594.7 | 100632.1 | S |
| 141.183 | 0.0000 | 0.0000 | 85.067 | 0.06959 | 0.00000 | 316523.1 | 203596.8 | 100632.1 | S |
| 141.192 | 0.0000 | 0.0000 | 85.067 | 0.06958 | 0.00000 | 316523.1 | 203598.9 | 100632.1 | S |
| 441.200 | 0.0000 | 0.0000 | 85.067 | 0.06957 | 0.00000 | 316523.1 | 203601.0 | 100632.1 | S |
| \$41.208 | 0.0000 | 0.0000 | 85.067 | 0.06957 | 0.00000 | 316523.1 | 203603.1 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/overflow

| Elapsed Time (hours) | inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (fl/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overfiow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 141.217 | 0.0000 | 0.0000 | 85.067 | 0.06956 | 0.00000 | 316523.1 | 203605.2 | 100632.1 | S |
| 141.225 | 0.0000 | 0.0000 | 85.066 | 0.06955 | 0.00000 | 316523.1 | 203607.3 | 100632.1 | S |
| 141.233 | 0.0000 | 0.0000 | 85.066 | 0.06955 | 0.00000 | 316523.1 | 203609.3 | 100632.1 | S |
| 141.242 | 0.0000 | 0.0000 | 85.066 | 0.06954 | 0.00000 | 316523.1 | 203611.4 | 100632.1 | S |
| 141.250 | 0.0000 | 0.0000 | 85.066 | 0.06953 | 0.00000 | 316523.1 | 203613.5 | 100632.1 | S |
| 141.258 | 0.0000 | 0.0000 | 85.066 | 0.06953 | 0.00000 | 316523.1 | 203615.6 | 100632.1 | S |
| 141.267 | 0.0000 | 0.0000 | 85.066 | 0.06952 | 0.00000 | 316523.1 | 203617.7 | 100632.1 | S |
| 141.275 | 0.0000 | 0.0000 | 85.065 | 0.06952 | 0.00000 | 316523.1 | 203619.8 | 100632.1 | S |
| 141.283 | 0.0000 | 0.0000 | 85.065 | 0.06951 | 0.00000 | 316523.1 | 203621.9 | 100632.1 | S |
| 141.292 | 0.0000 | 0.0000 | 85.065 | 0.06950 | 0.00000 | 316523.1 | 203624.0 | 100632.1 | S |
| 141.300 | 0.0000 | 0.0000 | 85.065 | 0.06950 | 0.00000 | 316523.1 | 203626.0 | 100632.1 | S |
| 141.308 | 0.0000 | 0.0000 | 85.065 | 0.06949 | 0.00000 | 316523.1 | 203628.1 | 100832.1 | S |
| 141.317 | 0.0000 | 0.0000 | 85.065 | 0.06948 | 0.00000 | 316523.1 | 203630.2 | 100632.1 | S |
| 141.325 | 0.0000 | 0.0000 | 85.065 | 0.06948 | 0.00000 | 316523.1 | 203632.3 | 100632.1 | S |
| 141.333 | 0.0000 | 0.0000 | 85.064 | 0.06947 | 0.00000 | 316523.1 | 203634.4 | 100632.1 | S |
| 141.342 | 0.0000 | 0.0000 | 85.064 | 0.06946 | 0.00000 | 316523.1 | 203636.5 | 100632.1 | S |
| 141.350 | 0.0000 | 0.0000 | 85.064 | 0.06946 | 0.00000 | 316523.1 | 203638.5 | 100632.1 | S |
| 141.358 | 0.0000 | 0.0000 | 85.064 | 0.06945 | 0.00000 | 316523.1 | 203640.6 | 100632.1 | S |
| 141.367 | 0.0000 | 0.0000 | 85.064 | 0.06945 | 0.00000 | 316523.1 | 203642.7 | 100632.1 | S |
| 141.375 | 0.0000 | 0.0000 | 85.064 | 0.06944 | 0.00000 | 316523.1 | 203644.8 | 100632.1 | S |
| 141.383 | 0.0000 | 0.0000 | 85.063 | 0.06943 | 0.00000 | 316523.1 | 203646.9 | 100632.1 | S |
| 141.392 | 0.0000 | 0.0000 | 85.063 | 0.06943 | 0.00000 | 316523.1 | 203649.0 | 100632.1 | S |
| 141.400 | 0.0000 | 0.0000 | 85.063 | 0.06942 | 0.00000 | 316523.1 | 203651.0 | 100632.1 | S |
| 141.408 | 0.0000 | 0.0000 | 85.063 | 0.06941 | 0.00000 | 316523.1 | 203653.1 | 100632.1 | S |
| 141.417 | 0.0000 | 0.0000 | 85.063 | 0.06941 | 0.00000 | 316523.1 | 203655.2 | 100632.1 | S |
| 141.425 | 0.0000 | 0.0000 | 85.063 | 0.06940 | 0.00000 | 316523.1 | 203657.3 | 100632.1 | S |
| 141.433 | 0.0000 | 0.0000 | 85.063 | 0.06940 | 0.00000 | 316523.1 | 203659.4 | 100632.1 | S |
| 141.442 | 0.0000 | 0.0000 | 85.062 | 0.06939 | 0.00000 | 316523.1 | 203661.5 | 100632.1 | S |
| 141.450 | 0.0000 | 0.0000 | 85.062 | 0.06938 | 0.00000 | 316523.1 | 203663.5 | 100632.1 | S |
| 141.458 | 0.0000 | 0.0000 | 85.062 | 0.06938 | 0.00000 | 316523.1 | 203665.6 | 100632.1 | S |
| 141.467 | 0.0000 | 0.0000 | 85.062 | 0.06937 | 0.00000 | 316523.1 | 203667.7 | 100632.1 | S |
| 141.475 | 0.0000 | 0.0000 | 85.062 | 0.06936 | 0.00000 | 316523.1 | 203669.8 | 100632.1 | S |
| 141.483 | 0.0000 | 0.0000 | 85.062 | 0.06936 | 0.00000 | 316523.1 | 203671.9 | 100632.1 | S |
| 141.492 | 0.0000 | 0.0000 | 85.062 | 0.06935 | 0.00000 | 316523.1 | 203673.9 | 100632.1 | S |
| 141.500 | 0.0000 | 0.0000 | 85.061 | 0.06934 | 0.00000 | 316523.1 | 203676.0 | 100632.1 | S |
| 141.508 | 0.0000 | 0.0000 | 85.061 | 0.06934 | 0.00000 | 316523.1 | 203678.1 | 100632.1 | S |
| 141.517 | 0.0000 | 0.0000 | 85.061 | 0.06933 | 0.00000 | 316523.1 | 203680.2 | 100632.1 | S |
| 141.525 | 0.0000 | 0.0000 | 85.061 | 0.06933 | 0.00000 | 316523.1 | 203682.3 | 100632.1 | S |
| 141.533 | 0.0000 | 0.0000 | 85.061 | 0.06932 | 0.00000 | 316523.1 | 203684.3 | 100632.1 | S |
| 141.542 | 0.0000 | 0.0000 | 85.061 | 0.06931 | 0.00000 | 316523.1 | 203686.4 | 100632.1 | S |
| 141.550 | 0.0000 | 0.0000 | 85.060 | 0.06931 | 0.00000 | 316523.1 | 203688.5 | 100632.1 | S |
| 141.558 | 0.0000 | 0.0000 | 85.060 | 0.06930 | 0.00000 | 316523.1 | 203690.6 | 100632.1 | S |
| 141.567 | 0.0000 | 0.0000 | 85.060 | 0.06929 | 0.00000 | 316523.1 | 203692.7 | 100632.1 | S |
| 141.575 | 0.0000 | 0.0000 | 85.060 | 0.06929 | 0.00000 | 316523.1 | 203694.7 | 100632.1 | S |
| 141.583 | 0.0000 | 0.0000 | 85.060 | 0.06928 | 0.00000 | 316523.1 | 203696.8 | 100632.1 | S |
| 141.592 | 0.0000 | 0.0000 | 85.060 | 0.06927 | 0.00000 | 316523.1 | 203698.9 | 100632.1 | S |
| 141.600 | 0.0000 | 0.0000 | 85.060 | 0.06927 | 0.00000 | 316523.1 | 203701.0 | 100632.1 | S |
| 141.608 | 0.0000 | 0.0000 | 85.059 | 0.06926 | 0.00000 | 316523.1 | 203703.0 | 100632.1 | S |
| 141.617 | 0.0000 | 0.0000 | 85.059 | 0.06926 | 0.00000 | 316523.1 | 203705.1 | 100632.1 | S |
| 141.625 | 0.0000 | 0.0000 | 85.059 | 0.06925 | 0.00000 | 316523.1 | 203707.2 | 100632.1 | S |
| 141.633 | 0.0000 | 0.0000 | 85.059 | 0.06924 | 0.00000 | 316523.1 | 203709.3 | 100632.1 | S |
| 141.642 | 0.0000 | 0.0000 | 85.059 | 0.06924 | 0.00000 | 316523.1 | 203711.4 | 100632.1 | S |
| 141.650 | 0.0000 | 0.0000 | 85.059 | 0.06923 | 0.00000 | 316523.1 | 203713.4 | 100632.1 | S |
| 141.658 | 0.0000 | 0.0000 | 85.058 | 0.06922 | 0.00000 | 316523.1 | 203715.5 | 100632.8 | S |
| 141.667 | 0.0000 | 0.0000 | 85.058 | 0.06922 | 0.00000 | 316523.1 | 203717.6 | 100632.1 | S |
| 141.675 | 0.0000 | 0.0000 | 85.058 | 0.06921 | 0.00000 | 316523.1 | 203719.7 | 100632.1 | S |
| 141.683 | 0.0000 | 0.0000 | 85.058 | 0.06921 | 0.00000 | 316523.1 | 203721.7 | 100632.1 | S |
| 141.692 | 0.0000 | 0.0000 | 85.058 | 0.06920 | 0.00000 | 316523.1 | 203723.8 | 100632.1 | S |
| 141.700 | 0.0000 | 0.0000 | 85.058 | 0.06919 | 0.00000 | 316523.1 | 203725.9 | 100632.1 | S |
| 141.708 | 0.0000 | 0.0000 | 85.058 | 0.06919 | 0.00000 | 316523.1 | 203728.0 | 100632.1 | S |
| 141.717 | 0.0000 | 0.0000 | 85.057 | 0.06918 | 0.00000 | 316523.1 | 203730.0 | 100632.1 | S |
| 141.725 | 0.0000 | 0.0000 | 85.057 | 0.06917 | 0.00000 | 316523.1 | 203732.1 | 100632.1 | S |
| 141.733 | 0.0000 | 0.0000 | 85.057 | 0.06917 | 0.00000 | 316523.1 | 203734.2 | 100632.1 | S |
| 141.742 | 0.0000 | 0.0000 | 85.057 | 0.06916 | 0.00000 | 316523.1 | 203736.3 | 100632.1 | S |
| 141.750 | 0.0000 | 0.0000 | 85.057 | 0.06915 | 0.00000 | 316523.1 | 203738.3 | 100632.1 | S |
| 141.758 | 0.0000 | 0.0000 | 85.057 | 0.06915 | 0.00000 | 316523.1 | 203740.4 | 100632.1 | S |
| 141.767 | 0.0000 | 0.0000 | 85.056 | 0.06914 | 0.00000 | 316523.1 | 203742.5 | 100632.1 | S |
| 141.775 | 0.0000 | 0.0000 | 85.056 | 0.06914 | 0.00000 | 316523.1 | 203744.6 | 100632.1 | S |
| 141.783 | 0.0000 | 0.0000 | 85.056 | 0.06913 | 0.00000 | 316523.1 | 203746.6 | 100632.1 | S |
| 141.792 | 0.0000 | 0.0000 | 85.056 | 0.06912 | 0.00000 | 316523.1 | 203748.7 | 100632.1 | S |
| 141.800 | 0.0000 | 0.0000 | 85.056 | 0.06912 | 0.00000 | 316523.1 | 203750.8 | 100632.1 | S |
| 141.808 | 0.0000 | 0.0000 | 85.056 | 0.06911 | 0.00000 | 316523.1 | 203752.9 | 100632.1 | S |
| 141.817 | 0.0000 | 0.0000 | 85.056 | 0.06910 | 0.00000 | 316523.1 | 203754.9 | 100632.1 | S |
| 141.825 | 0.0000 | 0.0000 | 85.055 | 0.06910 | 0.00000 | 316523.1 | 203757.0 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | \{nflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{H}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 141.833 | 0.0000 | 0.0000 | 85.055 | 0.06909 | 0.00000 | 376523.1 | 203759.1 | 100632.1 | S |
| 141.842 | 0.0000 | 0.0000 | 85.055 | 0.06909 | 0.00000 | 316523.1 | 203761.2 | 100632.1 | S |
| 141.850 | 0.0000 | 0.0000 | 85.055 | 0.06908 | 0.00000 | 316523.1 | 203763.2 | 100632.1 | S |
| 141.858 | 0.0000 | 0.0000 | 85.055 | 0.06907 | 0.00000 | 316523.1 | 203765.3 | 100632.1 | S |
| 141.867 | 0.0000 | 0.0000 | 85.055 | 0.06907 | 0.00000 | 316523.1 | 203767.4 | 100632.1 | S |
| 141.875 | 0.0000 | 0.0000 | 85.054 | 0.06906 | 0.00000 | 316523.1 | 203769.4 | 100632.1 | S |
| 141.883 | 0.0000 | 0.0000 | 85.054 | 0.06905 | 0.00000 | 316523.1 | 203771.5 | 100632.1 | S |
| 141.892 | 0.0000 | 0.0000 | 85.054 | 0.06905 | 0.00000 | 316523.1 | 203773.6 | 100632.1 | S |
| 141.900 | 0.0000 | 0.0000 | 85.054 | 0.06904 | 0.00000 | 316523.1 | 203775.7 | 100632.1 | S |
| 141.908 | 0.0000 | 0.0000 | 85.054 | 0.06904 | 0.00000 | 316523.1 | 203777.7 | 100632.1 | S |
| 141.917 | 0.0000 | 0.0000 | 85.054 | 0.06903 | 0.00000 | 316523.1 | 203779.8 | 100632.1 | S |
| 141.925 | 0.0000 | 0.0000 | 85.054 | 0.06902 | 0.00000 | 316523.1 | 203781.9 | 100632.1 | S |
| 141.933 | 0.0000 | 0.0000 | 85.053 | 0.06902 | 0.00000 | 316523.1 | 203783.9 | 100632.1 | S |
| 141.942 | 0.0000 | 0.0000 | 85.053 | 0.06901 | 0.00000 | 316523.1 | 203786.0 | 100632.1 | S |
| 141.950 | 0.0000 | 0.0000 | 85.053 | 0.06900 | 0.00000 | 316523.1 | 203788.1 | 100632.1 | S |
| 141.958 | 0.0000 | 0.0000 | 85.053 | 0.06900 | 0.00000 | 316523.1 | 203790.2 | 100632.1 | S |
| 141.967 | 0.0000 | 0.0000 | 85.053 | 0.06899 | 0.00000 | 316523.1 | 203792.2 | 100632.1 | S |
| 141.975 | 0.0000 | 0.0000 | 85.053 | 0.06899 | 0.00000 | 316523.1 | 203794.3 | 100632.1 | S |
| 141.983 | 0.0000 | 0.0000 | 85.052 | 0.06898 | 0.00000 | 316523.1 | 203796.4 | 100632.1 | S |
| 141.992 | 0.0000 | 0.0000 | 85.052 | 0.06897 | 0.00000 | 316523.1 | 203798.4 | 100632.1 | S |
| 142.000 | 0.0000 | 0.0000 | 85.052 | 0.06897 | 0.00000 | 316523.1 | 203800.5 | 100632.1 | S |
| 142.008 | 0.0000 | 0.0000 | 85.052 | 0.06896 | 0.00000 | 316523.1 | 203802.6 | 100632.1 | S |
| 142.017 | 0.0000 | 0.0000 | 85.052 | 0.06895 | 0.00000 | 316523.1 | 203804.6 | 100632.1 | S |
| 142.025 | 0.0000 | 0.0000 | 85.052 | 0.06895 | 0.00000 | 316523.1 | 203806.7 | 100632.1 | S |
| 142.033 | 0.0000 | 0.0000 | 85.052 | 0.06894 | 0.00000 | 316523.1 | 203808.8 | 100632.1 | S |
| 142.042 | 0.0000 | 0.0000 | 85.051 | 0.06893 | 0.00000 | 316523.1 | 203810.8 | 100632.1 | S |
| 142.050 | 0.0000 | 0.0000 | 85.051 | 0.06893 | 0.00000 | 316523.1 | 203812.9 | 100632.1 | S |
| 142.058 | 0.0000 | 0.0000 | 85.051 | 0.06892 | 0.00000 | 316523.1 | 203815.0 | 100632.1 | S |
| 142.067 | 0.0000 | 0.0000 | 85.051 | 0.06892 | 0.00000 | 316523.1 | 203817.0 | 100632.1 | S |
| 142.075 | 0.0000 | 0.0000 | 85.051 | 0.06891 | 0.00000 | 316523.1 | 203819.1 | 100632.1 | S |
| 142.083 | 0.0000 | 0.0000 | 85.051 | 0.06890 | 0.00000 | 316523.1 | 203821.2 | 100632.1 | S |
| 142.092 | 0.0000 | 0.0000 | 85.051 | 0.06890 | 0.00000 | 316523.1 | 203823.3 | 100632.1 | S |
| 142.100 | 0.0000 | 0.0000 | 85.050 | 0.06889 | 0.00000 | 316523.1 | 203825.3 | 100632.1 | S |
| 142.108 | 0.0000 | 0.0000 | 85.050 | 0.06888 | 0.00000 | 316523.1 | 203827.4 | 100632.1 | S |
| 142.117 | 0.0000 | 0.0000 | 85.050 | 0.06888 | 0.00000 | 316523.1 | 203829.4 | 100632.1 | S |
| 142.125 | 0.0000 | 0.0000 | 85.050 | 0.06887 | 0.00000 | 316523.1 | 203831.5 | 100632.1 | S |
| 142.133 | 0.0000 | 0.0000 | 85.050 | 0.06887 | 0.00000 | 316523.1 | 203833.6 | 100632.1 | S |
| 142.142 | 0.0000 | 0.0000 | 85.050 | 0.06886 | 0.00000 | 316523.1 | 203835.6 | 100632.1 | S |
| 142.150 | 0.0000 | 0.0000 | 85.049 | 0.06885 | 0.00000 | 316523.1 | 203837.7 | 100632.1 | S |
| 142.158 | 0.0000 | 0.0000 | 85.049 | 0.06885 | 0.00000 | 316523.1 | 203839.8 | 100632.1 | S |
| 142.167 | 0.0000 | 0.0000 | 85.049 | 0.06884 | 0.00000 | 316523.1 | 203841.8 | 100632.1 | S |
| 142.175 | 0.0000 | 0.0000 | 85.049 | 0.06883 | 0.00000 | 316523.1 | 203843.9 | 100632.1 | S |
| 142.183 | 0.0000 | 0.0000 | 85.049 | 0.06883 | 0.00000 | 316523.1 | 203846.0 | 100632.1 | S |
| 142.192 | 0.0000 | 0.0000 | 85.049 | 0.06882 | 0.00000 | 316523.1 | 203848.0 | 100632.1 | S |
| 142.200 | 0.0000 | 0.0000 | 85.049 | 0.06882 | 0.00000 | 316523.1 | 203850.1 | 100632.1 | S |
| 142.208 | 0.0000 | 0.0000 | 85.048 | 0.06881 | 0.00000 | 316523.1 | 203852.2 | 100632.1 | S |
| 142.217 | 0.0000 | 0.0000 | 85.048 | 0.06880 | 0.00000 | 316523.1 | 203854.2 | 100632.1 | S |
| 142.225 | 0.0000 | 0.0000 | 85.048 | 0.06880 | 0.00000 | 316523.1 | 203856.3 | 100632.1 | S |
| 142.233 | 0.0000 | 0.0000 | 85.048 | 0.06879 | 0.00000 | 316523.1 | 203858.4 | 100632.1 | S |
| 142.242 | 0.0000 | 0.0000 | 85.048 | 0.06878 | 0.00000 | 316523.1 | 203860.4 | 100632.1 | S |
| 142.250 | 0.0000 | 0.0000 | 85.048 | 0.06878 | 0.00000 | 316523.1 | 203862.5 | 100632.1 | S |
| 142.258 | 0.0000 | 0.0000 | 85.047 | 0.06877 | 0.00000 | 316523.1 | 203864.5 | 100632.1 | S |
| 142.267 | 0.0000 | 0.0000 | 85.047 | 0.06877 | 0.00000 | 316523.1 | 203866.6 | 100632.1 | S |
| 142.275 | 0.0000 | 0.0000 | 85.047 | 0.06876 | 0.00000 | 316523.1 | 203868.7 | 100632.1 | S |
| 142.283 | 0.0000 | 0.0000 | 85.047 | 0.06875 | 0.00000 | 316523.1 | 203870.7 | 100632.4 | S |
| 142.292 | 0.0000 | 0.0000 | 85.047 | 0.06875 | 0.00000 | 316523.1 | 203872.8 | 100632.1 | S |
| 142.300 | 0.0000 | 0.0000 | 85.047 | 0.06874 | 0.00000 | 316523.1 | 203874.9 | 100632.1 | S |
| 142.308 | 0.0000 | 0.0000 | 85.047 | 0.06873 | 0.00000 | 316523.1 | 203876.9 | 100632.1 | S |
| 142.317 | 0.0000 | 0.0000 | 85.046 | 0.06873 | 0.00000 | 316523.1 | 203879.0 | 100632.1 | S |
| 142.325 | 0.0000 | 0.0000 | 85.046 | 0.06872 | 0.00000 | 316523.1 | 203881.0 | 100632.1 | S |
| 142.333 | 0.0000 | 0.0000 | 85.046 | 0.06872 | 0.00000 | 316523.1 | 203883.1 | 100632.1 | S |
| 142.342 | 0.0000 | 0.0000 | 65.046 | 0.06871 | 0.00000 | 316523.1 | 203885.2 | 100632.1 | S |
| 142.350 | 0.0000 | 0.0000 | 85.046 | 0.06870 | 0.00000 | 316523.1 | 203887.2 | 100632.1 | S |
| 142.358 | 0.0000 | 0.0000 | 85.046 | 0.06870 | 0.00000 | 316523.1 | 203889.3 | 100632.1 | S |
| 142.367 | 0.0000 | 0.0000 | 85.045 | 0.06869 | 0.00000 | 316523.1 | 203891.3 | 100632.1 | S |
| 142.375 | 0.0000 | 0.0000 | 85.045 | 0.06868 | 0.00000 | 316523.1 | 203893.4 | 100632.1 | S |
| 142.383 | 0.0000 | 0.0000 | 85.045 | 0.06868 | 0.00000 | 316523.1 | 203895.5 | 100632.1 | S |
| 142.392 | 0.0000 | 0.0000 | 85.045 | 0.06867 | 0.00000 | 316523.1 | 203897.5 | 100632.1 | S |
| 142.400 | 0.0000 | 0.0000 | 85.045 | 0.06867 | 0.00000 | 316523.1 | 203899.6 | 100632.1 | S |
| 142.408 | 0.0000 | 0.0000 | 85.045 | 0.06866 | 0.00000 | 316523.1 | 203901.7 | 100632.1 | S |
| 142.417 | 0.0000 | 0.0000 | 85.045 | 0.06865 | 0.00000 | 316523.1 | 203903.7 | 100632.1 | S |
| 142.425 | 0.0000 | 0.0000 | 85.044 | 0.06865 | 0.00000 | 316523.1 | 203905.8 | 100632.1 | S |
| 142.433 | 0.0000 | 0.0000 | 85.044 | 0.06864 | 0.00000 | 316523.1 | 203907.8 | 100632.1 | S |
| 142.442 | 0.0000 | 0.0000 | 85.044 | 0.06863 | 0.00000 | 316523.1 | 203909.9 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{fl}^{3 / 5}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{fl}^{3 / 5}$ ) | Overlow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infilfration Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 142.450 | 0.0000 | 0.0000 | 85.044 | 0.06863 | 0.00000 | 316523.1 | 203912.0 | 100632.1 | S |
| 142.458 | 0.0000 | 0.0000 | 85.044 | 0.06862 | 0.00000 | 316523.1 | 203914.0 | 100632.1 | S |
| 142.467 | 0.0000 | 0.0000 | 85.044 | 0.06862 | 0.00000 | 316523.1 | 203916.1 | 100632.1 | S |
| 142.475 | 0.0000 | 0.0000 | 85.044 | 0.06861 | 0.00000 | 316523.1 | 203918.1 | 100632.1 | S |
| 142.483 | 0.0000 | 0.0000 | 85.043 | 0.06860 | 0.00000 | 316523.1 | 203920.2 | 100632.1 | S |
| 142.492 | 0.0000 | 0.0000 | 85.043 | 0.06860 | 0.00000 | 316523.1 | 203922.2 | 100632.1 | S |
| 142.500 | 0.0000 | 0.0000 | 85.043 | 0.06859 | 0.00000 | 316523.1 | 203924.3 | 100632.1 | S |
| 142.508 | 0.0000 | 0.0000 | 85.043 | 0.06858 | 0.00000 | 316523.1 | 203926.4 | 100632.1 | S |
| 142.517 | 0.0000 | 0.0000 | 85.043 | 0.06858 | 0.00000 | 316523.1 | 203928.4 | 100632.1 | S |
| 142.525 | 0.0000 | 0.0000 | 85.043 | 0.06857 | 0.00000 | 316523.1 | 203930.5 | 100632.1 | S |
| 142.533 | 0.0000 | 0.0000 | 85.042 | 0.06857 | 0.00000 | 316523.1 | 203932.5 | 100632.1 | S |
| 142.542 | 0.0000 | 0.0000 | 85.042 | 0.06856 | 0.00000 | 316523.1 | 203934.6 | 100632.1 | S |
| 142.550 | 0.0000 | 0.0000 | 85.042 | 0.06855 | 0.00000 | 316523.1 | 203936.6 | 100632.1 | S |
| 142.558 | 0.0000 | 0.0000 | 85.042 | 0.06855 | 0.00000 | 316523.1 | 203938.7 | 100632.1 | S |
| 142.567 | 0.0000 | 0.0000 | 85.042 | 0.06854 | 0.00000 | 316523.1 | 203940.8 | 100632.1 | S |
| 142.575 | 0.0000 | 0.0000 | 85.042 | 0.06853 | 0.00000 | 316523.1 | 203942.8 | 100632.1 | S |
| 142.583 | 0.0000 | 0.0000 | 85.042 | 0.06853 | 0.00000 | 316523.1 | 203944.9 | 100632.1 | S |
| 142.592 | 0.0000 | 0.0000 | 85.041 | 0.06852 | 0.00000 | 316523.1 | 203946.9 | 100632.1 | S |
| 142.600 | 0.0000 | 0.0000 | 85.041 | 0.06852 | 0.00000 | 316523.1 | 203949.0 | 100632.1 | S |
| 142.608 | 0.0000 | 0.0000 | 85.041 | 0.06851 | 0.00000 | 316523.1 | 203951.0 | 100632.1 | S |
| 142.617 | 0.0000 | 0.0000 | 85.041 | 0.06850 | 0.00000 | 316523.1 | 203953.1 | 100632.1 | S |
| 142.625 | 0.0000 | 0.0000 | 85.041 | 0.06850 | 0.00000 | 316523.1 | 203955.1 | 100632.1 | S |
| 142.633 | 0.0000 | 0.0000 | 85.041 | 0.06849 | 0.00000 | 316523.1 | 203957.2 | 100632.1 | S |
| 142.642 | 0.0000 | 0.0000 | 85.040 | 0.06849 | 0.00000 | 316523.1 | 203959.3 | 100632.1 | S |
| 142.650 | 0.0000 | 0.0000 | 85.040 | 0.06848 | 0.00000 | 316523.1 | 203961.3 | 100632.1 | S |
| 142.658 | 0.0000 | 0.0000 | 85.040 | 0.06847 | 0.00000 | 316523.1 | 203963.4 | 100632.1 | S |
| 142.667 | 0.0000 | 0.0000 | 85.040 | 0.06847 | 0.00000 | 316523.1 | 203965.4 | 100632.1 | S |
| 142.675 | 0.0000 | 0.0000 | 85.040 | 0.06846 | 0.00000 | 316523.1 | 203967.5 | 100632.1 | S |
| 142.683 | 0.0000 | 0.0000 | 85.040 | 0.06845 | 0.00000 | 316523.1 | 203969.5 | 100632.1 | S |
| 142.692 | 0.0000 | 0.0000 | 85.040 | 0.06845 | 0.00000 | 316523.1 | 203971.6 | 100632.7 | S |
| 142.700 | 0.0000 | 0.0000 | 85.039 | 0.06844 | 0.00000 | 316523.1 | 203973.6 | 100632.1 | S |
| 142.708 | 0.0000 | 0.0000 | 85.039 | 0.06844 | 0.00000 | 316523.1 | 203975.7 | 100632.1 | S |
| 142.717 | 0.0000 | 0.0000 | 85.039 | 0.06843 | 0.00000 | 316523.1 | 203977.7 | 100632.1 | S |
| 142.725 | 0.0000 | 0.0000 | 85.039 | 0.06842 | 0.00000 | 316523.1 | 203979.8 | 100632.1 | S |
| 142.733 | 0.0000 | 0.0000 | 85.039 | 0.06842 | 0.00000 | 316523.1 | 203981.8 | 100632.1 | S |
| 142.742 | 0.0000 | 0.0000 | 85.039 | 0.06841 | 0.00000 | 316523.1 | 203983.9 | 100632.1 | S |
| 142.750 | 0.0000 | 0.0000 | 85.039 | 0.06840 | 0.00000 | 316523.1 | 203986.0 | 100632.1 | S |
| 142.758 | 0.0000 | 0.0000 | 85.038 | 0.06840 | 0.00000 | 316523.1 | 203988.0 | 100632.1 | S |
| 142.767 | 0.0000 | 0.0000 | 85.038 | 0.06839 | 0.00000 | 316523.1 | 203990.0 | 100632.1 | S |
| 142.775 | 0.0000 | 0.0000 | 85.038 | 0.06839 | 0.00000 | 316523.1 | 203992.1 | 100632.1 | S |
| 142.783 | 0.0000 | 0.0000 | 85.038 | 0.06838 | 0.00000 | 316523.1 | 203994.2 | 100632.1 | S |
| 142.792 | 0.0000 | 0.0000 | 85.038 | 0.06837 | 0.00000 | 316523.1 | 203996.2 | 100632.1 | S |
| 142.800 | 0.0000 | 0.0000 | 85.038 | 0.06837 | 0.00000 | 316523.1 | 203998.3 | 100632.1 | S |
| 142.808 | 0.0000 | 0.0000 | 85.037 | 0.06836 | 0.00000 | 316523.1 | 204000.3 | 100632.1 | S |
| 142.817 | 0.0000 | 0.0000 | 85.037 | 0.06835 | 0.00000 | 316523.1 | 204002.4 | 100632.1 | S |
| 142.825 | 0.0000 | 0.0000 | 85.037 | 0.06835 | 0.00000 | 316523.1 | 204004.4 | 100632.1 | S |
| 142.833 | 0.0000 | 0.0000 | 85.037 | 0.06834 | 0.00000 | 316523.1 | 204006.5 | 100632.1 | S |
| 142.842 | 0.0000 | 0.0000 | 85.037 | 0.06834 | 0.00000 | 316523.1 | 204008.5 | 100632.1 | S |
| 142.850 | 0.0000 | 0.0000 | 85.037 | 0.06833 | 0.00000 | 316523.1 | 204010.6 | 100632.1 | S |
| 142.858 | 0.0000 | 0.0000 | 85.037 | 0.06832 | 0.00000 | 316523.1 | 204012.6 | 100632.1 | S |
| 142.867 | 0.0000 | 0.0000 | 85.036 | 0.06832 | 0.00000 | 316523.1 | 204014.7 | 100632.1 | S |
| 142.875 | 0.0000 | 0.0000 | 85.036 | 0.06831 | 0.00000 | 316523.1 | 204016.7 | 100632.1 | S |
| 142.883 | 0.0000 | 0.0000 | 85.036 | 0.06831 | 0.00000 | 316523.1 | 204018.8 | 100632.1 | S |
| 142.892 | 0.0000 | 0.0000 | 85.036 | 0.06830 | 0.00000 | 316523.1 | 204020.8 | 100632.1 | S |
| 142.900 | 0.0000 | 0.0000 | 85.036 | 0.06829 | 0.00000 | 316523.1 | 204022.9 | 100632.1 | S |
| 142.908 | 0.0000 | 0.0000 | 85.036 | 0.06829 | 0.00000 | 316523.1 | 204024.9 | 100632.1 | S |
| 142.917 | 0.0000 | 0.0000 | 85.035 | 0.06828 | 0.00000 | 316523.1 | 204027.0 | 100632.1 | S |
| 142.925 | 0.0000 | 0.0000 | 85.035 | 0.06827 | 0.00000 | 316523.1 | 204029.0 | 100632.1 | S |
| 142.933 | 0.0000 | 0.0000 | 85.035 | 0.06827 | 0.00000 | 316523.1 | 204031.0 | 100632.1 | S |
| 142.942 | 0.0000 | 0.0000 | 85.035 | 0.06826 | 0.00000 | 316523.1 | 204033.1 | 100632.1 | S |
| 142.950 | 0.0000 | 0.0000 | 85.035 | 0.06826 | 0.00000 | 316523.1 | 204035.1 | 100632.1 | S |
| 142.958 | 0.0000 | 0.0000 | 85.035 | 0.06825 | 0.00000 | 316523.1 | 204037.2 | 100632.1 | S |
| 142.967 | 0.0000 | 0.0000 | 85.035 | 0.06824 | 0.00000 | 316523.1 | 204039.2 | 100632.1 | S |
| 142.975 | 0.0000 | 0.0000 | 85.034 | 0.06824 | 0.00000 | 316523.1 | 204041.3 | 100632.1 | S |
| 142.983 | 0.0000 | 0.0000 | 85.034 | 0.06823 | 0.00000 | 316523.1 | 204043.3 | 100632.1 | S |
| 142.992 | 0.0000 | 0.0000 | 85.034 | 0.06822 | 0.00000 | 316523.1 | 204045.4 | 100632.1 | S |
| 143.000 | 0.0000 | 0.0000 | 85.034 | 0.06822 | 0.00000 | 316523.1 | 204047.4 | 100632.1 | S |
| 143.008 | 0.0000 | 0.0000 | 85.034 | 0.06821 | 0.00000 | 316523.1 | 204049.5 | 100632.1 | S |
| 143.017 | 0.0000 | 0.0000 | 85.034 | 0.06821 | 0.00000 | 316523.1 | 204051.5 | 100632.1 | S |
| 143.025 | 0.0000 | 0.0000 | 85.033 | 0.06820 | 0.00000 | 316523.1 | 204053.6 | 100632.1 | S |
| 143.033 | 0.0000 | 0.0000 | 85.033 | 0.06819 | 0.00000 | 316523.1 | 204055.6 | \$00632.1 | S |
| 143.042 | 0.0000 | 0.0000 | 85.033 | 0.06819 | 0.00000 | 316523.1 | 204057.7 | 100632.1 | S |
| 143.050 | 0.0000 | 0.0000 | 85.033 | 0.06818 | 0.00000 | 316523.1 | 204059.7 | 100632.1 | S |
| 143.058 | 0.0000 | 0.0000 | 85.033 | 0.06818 | 0.00000 | 316523.1 | 204061.8 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (fldoday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume (ft ${ }^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 143.067 | 0.0000 | 0.0000 | 85.033 | 0.06817 | 0.00000 | 316523.1 | 204063.8 | 100632.1 | S |
| 143.075 | 0.0000 | 0.0000 | 85.033 | 0.06816 | 0.00000 | 316523.1 | 204065.8 | 100632.1 | S |
| 143.083 | 0.0000 | 0.0000 | 85.032 | 0.06816 | 0.00000 | 316523.1 | 204067.9 | 100632.1 | S |
| 143.092 | 0.0000 | 0.0000 | 85.032 | 0.06815 | 0.00000 | 316523.1 | 204069.9 | 100632.1 | S |
| 143.100 | 0.0000 | 0.0000 | 85.032 | 0.06814 | 0.00000 | 316523.1 | 204072.0 | 100632.1 | S |
| 143.108 | 0.0000 | 0.0000 | 85.032 | 0.06814 | 0.00000 | 316523.1 | 204074.0 | 100632.1 | S |
| 143.117 | 0.0000 | 0.0000 | 85.032 | 0.06813 | 0.00000 | 316523.1 | 204076.1 | 100632.1 | S |
| 143.125 | 0.0000 | 0.0000 | 85.032 | 0.06813 | 0.00000 | 316523.1 | 204078.1 | 100632.1 | S |
| 143.133 | 0.0000 | 0.0000 | 85.032 | 0.06812 | 0.00000 | 316523.1 | 204080.1 | 100632.1 | S |
| 143.142 | 0.0000 | 0.0000 | 85.031 | 0.06811 | 0.00000 | 316523.1 | 204082.2 | 100632.1 | S |
| 143.150 | 0.0000 | 0.0000 | 85.031 | 0.06811 | 0.00000 | 316523.1 | 204084.2 | 100632.1 | S |
| 143.158 | 0.0000 | 0.0000 | 85.031 | 0.06810 | 0.00000 | 316523.1 | 204086.3 | 100632.1 | S |
| 143.167 | 0.0000 | 0.0000 | 85.031 | 0.06809 | 0.00000 | 316523.1 | 204088.3 | 100632.1 | S |
| 143.175 | 0.0000 | 0.0000 | 85.031 | 0.06809 | 0.00000 | 316523.1 | 204090.4 | 100632.1 | S |
| 143.183 | 0.0000 | 0.0000 | 85.031 | 0.06808 | 0.00000 | 316523.1 | 204092.4 | 100632.1 | S |
| 143.192 | 0.0000 | 0.0000 | 85.030 | 0.06808 | 0.00000 | 316523.1 | 204094.5 | 100632.1 | S |
| 143.200 | 0.0000 | 0.0000 | 85.030 | 0.06807 | 0.00000 | 316523.1 | 204096.5 | 100632.1 | S |
| 143.208 | 0.0000 | 0.0000 | 85.030 | 0.06806 | 0.00000 | 316523.1 | 204098.5 | 100632.1 | S |
| 143.217 | 0.0000 | 0.0000 | 85.030 | 0.06806 | 0.00000 | 316523.1 | 204100.6 | 100632.1 | S |
| 143.225 | 0.0000 | 0.0000 | 85.030 | 0.06805 | 0.00000 | 316523.1 | 204102.6 | 100632.1 | S |
| 143.233 | 0.0000 | 0.0000 | 85.030 | 0.06805 | 0.00000 | 316523.1 | 204104.7 | 100632.1 | S |
| 143.242 | 0.0000 | 0.0000 | 85.030 | 0.06804 | 0.00000 | 316523.1 | 204106.7 | 100632.1 | S |
| 143.250 | 0.0000 | 0.0000 | 85.029 | 0.06803 | 0.00000 | 316523.1 | 204108.7 | 100632.1 | S |
| 143.258 | 0.0000 | 0.0000 | 85.029 | 0.06803 | 0.00000 | 316523.1 | 204110.8 | 100632.1 | S |
| 143.267 | 0.0000 | 0.0000 | 85.029 | 0.06802 | 0.00000 | 316523.1 | 204112.8 | 100632.1 | S |
| 143.275 | 0.0000 | 0.0000 | 85.029 | 0.06801 | 0.00000 | 316523.1 | 204114.9 | 100632.1 | S |
| 143.283 | 0.0000 | 0.0000 | 85.029 | 0.06801 | 0.00000 | 316523.1 | 204116.9 | 100632.1 | S |
| 143.292 | 0.0000 | 0.0000 | 85.029 | 0.06800 | 0.00000 | 316523.1 | 204118.9 | 100632.1 | S |
| 143.300 | 0.0000 | 0.0000 | 85.029 | 0.06800 | 0.00000 | 316523.1 | 204121.0 | 100632.1 | S |
| 143.308 | 0.0000 | 0.0000 | 85.028 | 0.06799 | 0.00000 | 316523.1 | 204123.0 | 100632.1 | S |
| 143.317 | 0.0000 | 0.0000 | 85.028 | 0.06798 | 0.00000 | 316523.1 | 204125.1 | 100632.1 | S |
| 143.325 | 0.0000 | 0.0000 | 85.028 | 0.06798 | 0.00000 | 316523.1 | 204127.1 | 100632.1 | S |
| 143.333 | 0.0000 | 0.0000 | 85.028 | 0.06797 | 0.00000 | 316523.1 | 204129.1 | 100632.1 | S |
| 143.342 | 0.0000 | 0.0000 | 85.028 | 0.06797 | 0.00000 | 316523.1 | 204131.2 | 100632.1 | S |
| 143.350 | 0.0000 | 0.0000 | 85.028 | 0.06796 | 0.00000 | 316523.1 | 204133.2 | 100632.1 | S |
| 143.358 | 0.0000 | 0.0000 | 85.027 | 0.06795 | 0.00000 | 316523.4 | 204135.3 | 100632.1 | S |
| 143.367 | 0.0000 | 0.0000 | 85.027 | 0.06795 | 0.00000 | 316523.1 | 204137.3 | 100632.1 | S |
| 143.375 | 0.0000 | 0.0000 | 85.027 | 0.06794 | 0.00000 | 316523.1 | 204139.3 | 100632.1 | S |
| 143.383 | 0.0000 | 0.0000 | 85.027 | 0.06793 | 0.00000 | 316523.1 | 204141.4 | 100632.1 | S |
| 143.392 | 0.0000 | 0.0000 | 85.027 | 0.06793 | 0.00000 | 316523.1 | 204143.4 | 100632.1 | S |
| 143.400 | 0.0000 | 0.0000 | 85.027 | 0.06792 | 0.00000 | 316523.1 | 204145.5 | 100632.1 | S |
| 143.408 | 0.0000 | 0.0000 | 85.027 | 0.06792 | 0.00000 | 316523.1 | 204147.5 | 100632.1 | S |
| 143.417 | 0.0000 | 0.0000 | 85.026 | 0.06791 | 0.00000 | 316523.1 | 204149.5 | 100632.1 | S |
| 143.425 | 0.0000 | 0.0000 | 85.026 | 0.06790 | 0.00000 | 316523.1 | 204151.6 | 100632.1 | S |
| 143.433 | 0.0000 | 0.0000 | 85.026 | 0.06790 | 0.00000 | 316523.1 | 204153.6 | 100632.1 | S |
| 143.442 | 0.0000 | 0.0000 | 85.026 | 0.06789 | 0.00000 | 316523.1 | 204155.6 | 100632.1 | S |
| 143.450 | 0.0000 | 0.0000 | 85.026 | 0.06789 | 0.00000 | 316523.1 | 204157.7 | 100632.1 | S |
| 143.458 | 0.0000 | 0.0000 | 85.026 | 0.06788 | 0.00000 | 316523.1 | 204159.7 | 100632.1 | S |
| 143.467 | 0.0000 | 0.0000 | 85.025 | 0.06787 | 0.00000 | 316523.1 | 204161.8 | 100632.1 | S |
| 143.475 | 0.0000 | 0.0000 | 85.025 | 0.06787 | 0.00000 | 316523.1 | 204163.8 | 100632.1 | S |
| 143.483 | 0.0000 | 0.0000 | 85.025 | 0.06786 | 0.00000 | 316523.1 | 204165.8 | 100632.1 | S |
| 143.492 | 0.0000 | 0.0000 | 85.025 | 0.06785 | 0.00000 | 316523.1 | 204167.8 | 100632.1 | S |
| 143.500 | 0.0000 | 0.0000 | 85.025 | 0.06785 | 0.00000 | 316523.1 | 204169.9 | 100632.1 | S |
| 143.508 | 0.0000 | 0.0000 | 85.025 | 0.06784 | 0.00000 | 316523.1 | 204171.9 | 100632.1 | S |
| 143.517 | 0.0000 | 0.0000 | 85.025 | 0.06784 | 0.00000 | 316523.1 | 204174.0 | 100632.1 | S |
| 143.525 | 0.0000 | 0.0000 | 85.024 | 0.06783 | 0.00000 | 316523.1 | 204176.0 | 100632.1 | S |
| 143.533 | 0.0000 | 0.0000 | 85.024 | 0.06782 | 0.00000 | 316523.1 | 204178.0 | 100632.1 | S |
| 143.542 | 0.0000 | 0.0000 | 85.024 | 0.06782 | 0.00000 | 316523.1 | 204180.1 | 100632.1 | S |
| 143.550 | 0.0000 | 0.0000 | 85.024 | 0.06781 | 0.00000 | 316523.1 | 204182.1 | 100632.1 | S |
| 143.558 | 0.0000 | 0.0000 | 85.024 | 0.06781 | 0.00000 | 316523.1 | 204184.1 | 100632.1 | S |
| 143.567 | 0.0000 | 0.0000 | 85.024 | 0.06780 | 0.00000 | 316523.1 | 204186.2 | 100632.1 | S |
| 143.575 | 0.0000 | 0.0000 | 85.024 | 0.06779 | 0.00000 | 316523.1 | 204188.2 | 100632.1 | S |
| 143.583 | 0.0000 | 0.0000 | 85.023 | 0.06779 | 0.00000 | 316523.1 | 204190.2 | 100632.1 | S |
| 143.592 | 0.0000 | 0.0000 | 85.023 | 0.06778 | 0.00000 | 316523.1 | 204192.3 | 100632.1 | S |
| 143.600 | 0.0000 | 0.0000 | 85.023 | 0.06778 | 0.00000 | 316523.1 | 204194.3 | 100632.1 | S |
| 143.608 | 0.0000 | 0.0000 | 85.023 | 0.06777 | 0.00000 | 316523.1 | 204196.3 | 100632.1 | S |
| 143.617 | 0.0000 | 0.0000 | 85.023 | 0.06776 | 0.00000 | 316523.1 | 204198.4 | 100632.1 | S |
| 143.625 | 0.0000 | 0.0000 | 85.023 | 0.06776 | 0.00000 | 316523.1 | 204200.4 | 100632.1 | S |
| 143.633 | 0.0000 | 0.0000 | 85.022 | 0.06775 | 0.00000 | 316523.1 | 204202.4 | 100632.1 | S |
| 143.642 | 0.0000 | 0.0000 | 85.022 | 0.06774 | 0.00000 | 316523.1 | 204204.5 | 100632.1 | S |
| 143.650 | 0.0000 | 0.0000 | 85.022 | 0.06774 | 0.00000 | 316523.1 | 204206.5 | 100632.1 | S |
| 143.658 | 0.0000 | 0.0000 | 85.022 | 0.06773 | 0.00000 | 316523.1 | 204208.5 | 100632.1 | S |
| 143.667 | 0.0000 | 0.0000 | 85.022 | 0.06773 | 0.00000 | 316523.1 | 204210.6 | 100632.1 | S |
| 143.675 | 0.0000 | 0.0000 | 85.022 | 0.06772 | 0.00000 | 316523.1 | 204212.6 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3 / 3}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{7}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 143.683 | 0.0000 | 0.0000 | 85.022 | 0.06771 | 0.00000 | 316523.1 | 204214.6 | 100632.1 | S |
| 143.692 | 0.0000 | 0.0000 | 85.021 | 0.06771 | 0.00000 | 316523.1 | 204216.7 | 100632.1 | S |
| 143.700 | 0.0000 | 0.0000 | 85.021 | 0.06770 | 0.00000 | 316523.1 | 204218.7 | 100632.1 | S |
| 143.708 | 0.0000 | 0.0000 | 85.021 | 0.06770 | 0.00000 | 316523.1 | 204220.7 | 100632.1 | S |
| 143.717 | 0.0000 | 0.0000 | 85.021 | 0.06769 | 0.00000 | 316523.1 | 204222.8 | 100632.1 | S |
| 143.725 | 0.0000 | 0.0000 | 85.021 | 0.06768 | 0.00000 | 316523.1 | 204224.8 | 100632.1 | S |
| 143.733 | 0.0000 | 0.0000 | 85.021 | 0.06768 | 0.00000 | 316523.1 | 204226.8 | 100632.1 | S |
| 143.742 | 0.0000 | 0.0000 | 85.021 | 0.06767 | 0.00000 | 316523.1 | 204228.8 | 100632.1 | S |
| 143.750 | 0.0000 | 0.0000 | 85.020 | 0.06766 | 0.00000 | 316523.1 | 204230.9 | 100632.1 | S |
| 143.758 | 0.0000 | 0.0000 | 85.020 | 0.06766 | 0.00000 | 316523.1 | 204232.9 | 100632.1 | S |
| 143.767 | 0.0000 | 0.0000 | 85.020 | 0.06765 | 0.00000 | 316523.1 | 204234.9 | 100632.1 | S |
| 143.775 | 0.0000 | 0.0000 | 85.020 | 0.06765 | 0.00000 | 316523.1 | 204237.0 | 100632.1 | S |
| 143.783 | 0.0000 | 0.0000 | 85.020 | 0.06764 | 0.00000 | 316523.1 | 204239.0 | 100632.1 | S |
| 143.792 | 0.0000 | 0.0000 | 85.020 | 0.06763 | 0.00000 | 316523.1 | 204241.0 | 100632.1 | S |
| 143.800 | 0.0000 | 0.0000 | 85.019 | 0.06763 | 0.00000 | 316523.1 | 204243.0 | 100632.1 | S |
| 143.808 | 0.0000 | 0.0000 | 85.019 | 0.06762 | 0.00000 | 316523.1 | 204245.1 | 100632.1 | S |
| 143.817 | 0.0000 | 0.0000 | 85.019 | 0.06762 | 0.00000 | 316523.1 | 204247.1 | 100632.1 | S |
| 143.825 | 0.0000 | 0.0000 | 85.019 | 0.06761 | 0.00000 | 316523.1 | 204249.1 | 100632.1 | S |
| 143.833 | 0.0000 | 0.0000 | 85.019 | 0.06760 | 0.00000 | 316523.1 | 204251.2 | 100632.1 | S |
| 143.842 | 0.0000 | 0.0000 | 85.019 | 0.06760 | 0.00000 | 316523.1 | 204253.2 | 100632.1 | S |
| 143.850 | 0.0000 | 0.0000 | 85.019 | 0.06759 | 0.00000 | 316523.1 | 204255.2 | 100632.1 | S |
| 143.858 | 0.0000 | 0.0000 | 85.018 | 0.06759 | 0.00000 | 316523.1 | 204257.2 | 100632.1 | S |
| 143.867 | 0.0000 | 0.0000 | 85.018 | 0.06758 | 0.00000 | 316523.1 | 204259.3 | 100632.1 | S |
| 143.875 | 0.0000 | 0.0000 | 85.018 | 0.06757 | 0.00000 | 316523.1 | 204261.3 | 100632.1 | S |
| 143.883 | 0.0000 | 0.0000 | 85.018 | 0.06757 | 0.00000 | 316523.1 | 204263.3 | 100632.1 | S |
| 143.892 | 0.0000 | 0.0000 | 85.018 | 0.06756 | 0.00000 | 316523.1 | 204265.3 | 100632.1 | S |
| 143.900 | 0.0000 | 0.0000 | 85.018 | 0.06755 | 0.00000 | 316523.1 | 204267.4 | 100632.1 | S |
| 143.908 | 0.0000 | 0.0000 | 85.017 | 0.06755 | 0.00000 | 316523.1 | 204269.4 | 100632.1 | S |
| 143.917 | 0.0000 | 0.0000 | 85.017 | 0.06754 | 0.00000 | 316523.1 | 204271.4 | 100632.1 | S |
| 143.925 | 0.0000 | 0.0000 | 85.017 | 0.06754 | 0.00000 | 316523.1 | 204273.5 | 100632.1 | S |
| 143.933 | 0.0000 | 0.0000 | 85.017 | 0.06753 | 0.00000 | 316523.1 | 204275.5 | 100632.1 | S |
| 143.942 | 0.0000 | 0.0000 | 85.017 | 0.06752 | 0.00000 | 316523.1 | 204277.5 | 100632.1 | S |
| 143.950 | 0.0000 | 0.0000 | 85.017 | 0.06752 | 0.00000 | 316523.1 | 204279.5 | 100632.1 | S |
| 143.958 | 0.0000 | 0.0000 | 85.017 | 0.06751 | 0.00000 | 316523.1 | 204281.6 | 100632.1 | S |
| 143.967 | 0.0000 | 0.0000 | 85.016 | 0.06751 | 0.00000 | 316523.1 | 204283.6 | 100632.1 | S |
| 143.975 | 0.0000 | 0.0000 | 85.016 | 0.06750 | 0.00000 | 316523.1 | 204285.6 | 100632.1 | S |
| 143.983 | 0.0000 | 0.0000 | 85.016 | 0.06749 | 0.00000 | 316523.1 | 204287.6 | 100632.1 | S |
| 143.992 | 0.0000 | 0.0000 | 85.016 | 0.06749 | 0.00000 | 316523.1 | 204289.7 | 100632.1 | S |
| 144.000 | 0.0000 | 0.0000 | 85.016 | 0.06748 | 0.00000 | 316523.1 | 204291.7 | 100632.1 | S |
| 144.008 | 0.0000 | 0.0000 | 85.016 | 0.06748 | 0.00000 | 316523.1 | 204293.7 | 100632.1 | S |
| 144.017 | 0.0000 | 0.0000 | 85.016 | 0.06747 | 0.00000 | 316523.1 | 204295.7 | 100632.1 | S |
| 144.025 | 0.0000 | 0.0000 | 85.015 | 0.06746 | 0.00000 | 316523.1 | 204297.8 | 100632.1 | S |
| 144.033 | 0.0000 | 0.0000 | 85.015 | 0.06746 | 0.00000 | 316523.1 | 204299.8 | 100632.1 | S |
| 144.042 | 0.0000 | 0.0000 | 85.015 | 0.06745 | 0.00000 | 316523.1 | 204301.8 | 100632.1 | S |
| 144.050 | 0.0000 | 0.0000 | 85.015 | 0.06745 | 0.00000 | 316523.1 | 204303.8 | 100632.1 | S |
| 144.058 | 0.0000 | 0.0000 | 85.015 | 0.06744 | 0.00000 | 316523.1 | 204305.8 | 100632.1 | S |
| 144.067 | 0.0000 | 0.0000 | 85.015 | 0.06743 | 0.00000 | 316523.1 | 204307.9 | 100632.1 | S |
| 144.075 | 0.0000 | 0.0000 | 85.014 | 0.06743 | 0.00000 | 316523.1 | 204309.9 | 100632.1 | S |
| 144.083 | 0.0000 | 0.0000 | 85.014 | 0.06742 | 0.00000 | 316523.1 | 204311.9 | 100632.1 | S |
| 144.092 | 0.0000 | 0.0000 | 85.014 | 0.06741 | 0.00000 | 316523.1 | 204313.9 | 100632.1 | S |
| 144.100 | 0.0000 | 0.0000 | 85.014 | 0.06741 | 0.00000 | 316523.1 | 204316.0 | 100632.1 | S |
| 144.108 | 0.0000 | 0.0000 | 85.014 | 0.06740 | 0.00000 | 316523.1 | 204318.0 | 100632.1 | S |
| 444.117 | 0.0000 | 0.0000 | 85.014 | 0.06740 | 0.00000 | 316523.1 | 204320.0 | 100632.1 | S |
| 144.125 | 0.0000 | 0.0000 | 85.014 | 0.06739 | 0.00000 | 316523.1 | 204322.0 | 100632.1 | S |
| 144.133 | 0.0000 | 0.0000 | 85.013 | 0.06738 | 0.00000 | 316523.1 | 204324.0 | 100632.1 | S |
| 144.142 | 0.0000 | 0.0000 | 85.013 | 0.06738 | 0.00000 | 316523.1 | 204326.1 | 100632.1 | S |
| 144.150 | 0.0000 | 0.0000 | 85.013 | 0.06737 | 0.00000 | 316523.1 | 204328.1 | 100632.1 | S |
| 144.158 | 0.0000 | 0.0000 | 85.013 | 0.06737 | 0.00000 | 316523.1 | 204330.1 | 100632.1 | S |
| 144.167 | 0.0000 | 0.0000 | 85.013 | 0.06736 | 0.00000 | 316523.1 | 204332.1 | 100632.1 | S |
| 144.175 | 0.0000 | 0.0000 | 85.013 | 0.06735 | 0.00000 | 316523.1 | 204334.2 | 100632.1 | S |
| 144.183 | 0.0000 | 0.0000 | 85.013 | 0.06735 | 0.00000 | 316523.1 | 204336.2 | 100632.1 | S |
| 144.192 | 0.0000 | 0.0000 | 85.012 | 0.06734 | 0.00000 | 316523.1 | 204338.2 | 100632.1 | S |
| 144.200 | 0.0000 | 0.0000 | 85.012 | 0.06734 | 0.00000 | 316523.1 | 204340.2 | 100632.1 | S |
| 144.208 | 0.0000 | 0.0000 | 85.012 | 0.06733 | 0.00000 | 316523.1 | 204342.2 | 100632.1 | S |
| 144.217 | 0.0000 | 0.0000 | 85.012 | 0.06732 | 0.00000 | 316523.1 | 204344.3 | 100632.1 | S |
| 144.225 | 0.0000 | 0.0000 | 85.012 | 0.06732 | 0.00000 | 316523.1 | 204346.3 | 100632.1 | S |
| 144.233 | 0.0000 | 0.0000 | 85.012 | 0.06731 | 0.00000 | 316523.1 | 204348.3 | 100632.1 | S |
| 144.242 | 0.0000 | 0.0000 | 85.011 | 0.06731 | 0.00000 | 316523.1 | 204350.3 | 100632.1 | S |
| 144.250 | 0.0000 | 0.0000 | 85.011 | 0.06730 | 0.00000 | 316523.1 | 204352.3 | 100632.1 | S |
| 144.258 | 0.0000 | 0.0000 | 85.011 | 0.06729 | 0.00000 | 316523.1 | 204354.4 | 100632.1 | S |
| 144.267 | 0.0000 | 0.0000 | 85.011 | 0.06729 | 0.00000 | 316523.1 | 204356.4 | 100632.1 | S |
| 144.275 | 0.0000 | 0.0000 | 85.011 | 0.06728 | 0.00000 | 316523.1 | 204358.4 | 100632.1 | S |
| 144.283 | 0.0000 | 0.0000 | 85.011 | 0.06728 | 0.00000 | 316523.1 | 204360.4 | 100632.1 | S |
| 144.292 | 0.0000 | 0.0000 | 85.011 | 0.06727 | 0.00000 | 316523.1 | 204362.4 | 100632.1 | S |

PONDS Version 3.2.0207

Detailed Results (cont,d.) :: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | $\begin{aligned} & \text { Infiltration } \\ & \text { Rate } \\ & \left(\mathrm{f}^{3} / \mathrm{s}\right) \end{aligned}$ | Overfiow Discharge ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infilitration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 144.300 | 0.0000 | 0.0000 | 85.010 | 0.06726 | 0.00000 | 316523.1 | 204364.4 | 100632.1 | S |
| 144.308 | 0.0000 | 0.0000 | 85.010 | 0.06726 | 0.00000 | 316523.1 | 204366.5 | 100632.1 | S |
| 144.317 | 0.0000 | 0.0000 | 85.010 | 0.06725 | 0.00000 | 316523.1 | 204368.5 | 100632.1 | S |
| 144.325 | 0.0000 | 0.0000 | 85.010 | 0.06724 | 0.00000 | 316523.1 | 204370.5 | 100632.1 | S |
| 144.333 | 0.0000 | 0.0000 | 85.010 | 0.06724 | 0.00000 | 316523.1 | 204372.5 | 100632.1 | S |
| 144.342 | 0.0000 | 0.0000 | 85.010 | 0.06723 | 0.00000 | 316523.1 | 204374.5 | 100632.1 | S |
| 144.350 | 0.0000 | 0.0000 | 85.010 | 0.06723 | 0.00000 | 316523.1 | 204376.5 | 100632.1 | S |
| 144.358 | 0.0000 | 0.0000 | 85.009 | 0.06722 | 0.00000 | 316523.1 | 204378.6 | 100632.1 | S |
| 144.367 | 0.0000 | 0.0000 | 85.009 | 0.06721 | 0.00000 | 316523.1 | 204380.6 | 100632.1 | S |
| 144.375 | 0.0000 | 0.0000 | 85.009 | 0.06721 | 0.00000 | 316523.1 | 204382.6 | 100632.1 | S |
| 144.383 | 0.0000 | 0.0000 | 85.009 | 0.06720 | 0.00000 | 316523.1 | 204384.6 | 100632.1 | S |
| 144.392 | 0.0000 | 0.0000 | 85.009 | 0.06720 | 0.00000 | 316523.1 | 204386.6 | 100632.1 | S |
| 144.400 | 0.0000 | 0.0000 | 85.009 | 0.06719 | 0.00000 | 316523.1 | 204388.6 | 100632.1 | S |
| 144.408 | 0.0000 | 0.0000 | 85.008 | 0.06718 | 0.00000 | 316523.1 | 204390.7 | 100632.1 | S |
| 144.417 | 0.0000 | 0.0000 | 85.008 | 0.06718 | 0.00000 | 316523.1 | 204392.7 | 100632.1 | S |
| 144.425 | 0.0000 | 0.0000 | 85.008 | 0.06717 | 0.00000 | 316523.1 | 204394.7 | 100632.1 | S |
| 144.433 | 0.0000 | 0.0000 | 85.008 | 0.06717 | 0.00000 | 316523.1 | 204396.7 | 100632.1 | S |
| 144.442 | 0.0000 | 0.0000 | 85.008 | 0.06716 | 0.00000 | 316523.1 | 204398.7 | 100632.1 | S |
| 144.450 | 0.0000 | 0.0000 | 85.008 | 0.06715 | 0.00000 | 316523.1 | 204400.7 | 100632.1 | S |
| 144.458 | 0.0000 | 0.0000 | 85.008 | 0.06715 | 0.00000 | 316523.1 | 204402.8 | 100632.1 | S |
| 144.467 | 0.0000 | 0.0000 | 85.007 | 0.06714 | 0.00000 | 316523.1 | 204404.8 | 100632.1 | S |
| 144.475 | 0.0000 | 0.0000 | 85.007 | 0.06714 | 0.00000 | 316523.1 | 204406.8 | 100632.1 | S |
| 144.483 | 0.0000 | 0.0000 | 85.007 | 0.06713 | 0.00000 | 316523.1 | 204408.8 | 100632.1 | S |
| 144.492 | 0.0000 | 0.0000 | 85.007 | 0.06712 | 0.00000 | 316523.1 | 204410.8 | 100632.1 | S |
| 144.500 | 0.0000 | 0.0000 | 85.007 | 0.06712 | 0.00000 | 316523.1 | 204412.8 | 100632.1 | S |
| 144.508 | 0.0000 | 0.0000 | 85.007 | 0.06711 | 0.00000 | 316523.1 | 204414.8 | 100632.1 | S |
| 144.517 | 0.0000 | 0.0000 | 85.007 | 0.06711 | 0.00000 | 316523.1 | 204416.8 | 100632.1 | S |
| 144.525 | 0.0000 | 0.0000 | 85.006 | 0.06710 | 0.00000 | 316523.1 | 204418.9 | 100632.1 | S |
| 144.533 | 0.0000 | 0.0000 | 85.006 | 0.06709 | 0.00000 | 316523.1 | 204420.9 | 100632.1 | S |
| 144.542 | 0.0000 | 0.0000 | 85.006 | 0.06709 | 0.00000 | 316523.1 | 204422.9 | 100632.1 | S |
| 144.550 | 0.0000 | 0.0000 | 85.006 | 0.06708 | 0.00000 | 316523.1 | 204424.9 | 100632.1 | S |
| 144.558 | 0.0000 | 0.0000 | 85.006 | 0.06708 | 0.00000 | 316523.1 | 204426.9 | 100632.1 | S |
| 144.567 | 0.0000 | 0.0000 | 85.006 | 0.06707 | 0.00000 | 316523.1 | 204428.9 | 100632.1 | S |
| 144.575 | 0.0000 | 0.0000 | 85.005 | 0.06706 | 0.00000 | 316523.1 | 204430.9 | 100632.1 | S |
| 144.583 | 0.0000 | 0.0000 | 85.005 | 0.06706 | 0.00000 | 316523.1 | 204433.0 | 100632.1 | S |
| 144.592 | 0.0000 | 0.0000 | 85.005 | 0.06705 | 0.00000 | 316523.1 | 204435.0 | 100632.1 | S |
| 144.600 | 0.0000 | 0.0000 | 85.005 | 0.06705 | 0.00000 | 316523.1 | 204437.0 | 100632.1 | S |
| 144.608 | 0.0000 | 0.0000 | 85.005 | 0.06704 | 0.00000 | 316523.1 | 204439.0 | 100632.1 | S |
| 144.617 | 0.0000 | 0.0000 | 85.005 | 0.06703 | 0.00000 | 316523.1 | 204441.0 | 100632.1 | S |
| 144.625 | 0.0000 | 0.0000 | 85.005 | 0.06703 | 0.00000 | 316523.1 | 204443.0 | 100632.1 | S |
| 144.633 | 0.0000 | 0.0000 | 85.004 | 0.06702 | 0.00000 | 316523.1 | 204445.0 | 100632.1 | S |
| 144.642 | 0.0000 | 0.0000 | 85.004 | 0.06701 | 0.00000 | 376523.1 | 204447.0 | 100632.1 | S |
| 144.650 | 0.0000 | 0.0000 | 85.004 | 0.06701 | 0.00000 | 316523.1 | 204449.0 | 100632.1 | S |
| 144.658 | 0.0000 | 0.0000 | 85.004 | 0.06700 | 0.00000 | 316523.1 | 204451.0 | 100632.1 | S |
| \$44.667 | 0.0000 | 0.0000 | 85.004 | 0.06700 | 0.00000 | 316523.1 | 204453.1 | 100632.1 | S |
| 144.675 | 0.0000 | 0.0000 | 85.004 | 0.06699 | 0.00000 | 316523.1 | 204455.1 | 100632.1 | S |
| 144.683 | 0.0000 | 0.0000 | 85.004 | 0.06698 | 0.00000 | 316523.1 | 204457.1 | 100632.1 | S |
| 144.692 | 0.0000 | 0.0000 | 85.003 | 0.06698 | 0.00000 | 316523.1 | 204459.1 | 100632.1 | S |
| 144.700 | 0.0000 | 0.0000 | 85.003 | 0.06697 | 0.00000 | 316523.1 | 204461.1 | 100632.1 | S |
| 144.708 | 0.0000 | 0.0000 | 85.003 | 0.06697 | 0.00000 | 316523.1 | 204463.1 | 100632.1 | S |
| 144.717 | 0.0000 | 0.0000 | 85.003 | 0.06696 | 0.00000 | 316523.1 | 204465.1 | 100632.1 | S |
| 144.725 | 0.0000 | 0.0000 | 85.003 | 0.06695 | 0.00000 | 316523.1 | 204467.1 | 100632.1 | S |
| 144.733 | 0.0000 | 0.0000 | 85.003 | 0.06695 | 0.00000 | 316523.1 | 204469.1 | 100632.1 | S |
| 144.742 | 0.0000 | 0.0000 | 85.002 | 0.06694 | 0.00000 | 316523.1 | 204471.1 | 100632.1 | S |
| 144.750 | 0.0000 | 0.0000 | 85.002 | 0.06694 | 0.00000 | 316523.1 | 204473.1 | 100632.1 | S |
| 144.758 | 0.0000 | 0.0000 | 85.002 | 0.06693 | 0.00000 | 316523.1 | 204475.2 | 100632.1 | S |
| 144.767 | 0.0000 | 0.0000 | 85.002 | 0.06692 | 0.00000 | 316523.1 | 204477.2 | 100632.1 | S |
| 144.775 | 0.0000 | 0.0000 | 85.002 | 0.06692 | 0.00000 | 316523.1 | 204479.2 | 100632.1 | S |
| 144.783 | 0.0000 | 0.0000 | 85.002 | 0.06691 | 0.00000 | 316523.1 | 204481.2 | 100632.1 | S |
| 144.792 | 0.0000 | 0.0000 | 85.002 | 0.06691 | 0.00000 | 316523.1 | 204483.2 | 100632.1 | S |
| 144.800 | 0.0000 | 0.0000 | 85.001 | 0.06690 | 0.00000 | 316523.1 | 204485.2 | 100632.1 | S |
| 144.808 | 0.0000 | 0.0000 | 85.001 | 0.06689 | 0.00000 | 316523.1 | 204487.2 | 100632.1 | S |
| 144.817 | 0.0000 | 0.0000 | 85.001 | 0.06689 | 0.00000 | 316523.1 | 204489.2 | 100632.1 | S |
| 144.825 | 0.0000 | 0.0000 | 85.001 | 0.06688 | 0.00000 | 316523.1 | 204491.2 | 100632.1 | S |
| 144.833 | 0.0000 | 0.0000 | 85.001 | 0.06688 | 0.00000 | 316523.1 | 204493.2 | 100632.1 | S |
| 144.842 | 0.0000 | 0.0000 | 85.001 | 0.06687 | 0.00000 | 316523.1 | 204495.2 | 100632.1 | S |
| 144.850 | 0.0000 | 0.0000 | 85.001 | 0.06686 | 0.00000 | 316523.1 | 204497.2 | 100632.1 | S |
| 144.858 | 0.0000 | 0.0000 | 85.000 | 0.06686 | 0.00000 | 316523.1 | 204499.2 | 100632.1 | S |
| 144.867 | 0.0000 | 0.0000 | 85.000 | 0.06685 | 0.00000 | 316523.1 | 204501.2 | 100632.1 | S |
| 144.875 | 0.0000 | 0.0000 | 85.000 | 0.06685 | 0.00000 | 316523.1 | 204503.3 | 100632.1 | S |
| 144.883 | 0.0000 | 0.0000 | 85.000 | 0.06684 | 0.00000 | 316523.1 | 204505.3 | 100632.1 | S |
| 144.892 | 0.0000 | 0.0000 | 85.000 | 0.06683 | 0.00000 | 316523.1 | 204507.3 | 100632.1 | S |
| 144.900 | 0.0000 | 0.0000 | 85.000 | 0.06683 | 0.00000 | 316523.1 | 204509.3 | 100632.1 | S |
| 144.908 | 0.0000 | 0.0000 | 84.999 | 0.06682 | 0.00000 | 316523.1 | 204511.3 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiftration Rate ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Overtlow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ff}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 144.917 | 0.0000 | 0.0000 | 84.999 | 0.06682 | 0.00000 | 316523.1 | 204513.3 | 100632.1 | S |
| 144.925 | 0.0000 | 0.0000 | 84.999 | 0.06681 | 0.00000 | 316523.1 | 204515.3 | 100632.1 | S |
| 144.933 | 0.0000 | 0.0000 | 84.999 | 0.06680 | 0.00000 | 316523.1 | 204517.3 | 100632.1 | S |
| 144.942 | 0.0000 | 0.0000 | 84.999 | 0.06680 | 0.00000 | 316523.1 | 204519.3 | 100632.1 | S |
| 144.950 | 0.0000 | 0.0000 | 84.999 | 0.06679 | 0.00000 | 316523.1 | 204521.3 | 100632.1 | S |
| 144.958 | 0.0000 | 0.0000 | 84.999 | 0.06679 | 0.00000 | 316523.1 | 204523.3 | 100632.1 | S |
| 144.967 | 0.0000 | 0.0000 | 84.998 | 0.06678 | 0.00000 | 316523.1 | 204525.3 | 100632.1 | S |
| 144.975 | 0.0000 | 0.0000 | 84.998 | 0.06677 | 0.00000 | 316523.1 | 204527.3 | 100632.1 | S |
| 144.983 | 0.0000 | 0.0000 | 84.998 | 0.06677 | 0.00000 | 316523.1 | 204529.3 | 100632.1 | S |
| 144.992 | 0.0000 | 0.0000 | 84.998 | 0.06676 | 0.00000 | 316523.1 | 204531.3 | 100632.1 | S |
| 145.000 | 0.0000 | 0.0000 | 84.998 | 0.06676 | 0.00000 | 316523.1 | 204533.3 | 100632.1 | S |
| 145.008 | 0.0000 | 0.0000 | 84.998 | 0.06675 | 0.00000 | 316523.1 | 204535.3 | 100632.1 | S |
| 145.017 | 0.0000 | 0.0000 | 84.998 | 0.06674 | 0.00000 | 316523.1 | 204537.3 | 100632.1 | S |
| 145.025 | 0.0000 | 0.0000 | 84.997 | 0.06674 | 0.00000 | 316523.1 | 204539.3 | 100632.1 | S |
| 145.033 | 0.0000 | 0.0000 | 84.997 | 0.06673 | 0.00000 | 316523.1 | 204541.3 | 100632.1 | S |
| 145.042 | 0.0000 | 0.0000 | 84.997 | 0.06673 | 0.00000 | 316523.1 | 204543.3 | 100632.1 | S |
| 145.050 | 0.0000 | 0.0000 | 84.997 | 0.06672 | 0.00000 | 316523.1 | 204545.3 | 100632.1 | S |
| 145.058 | 0.0000 | 0.0000 | 84.997 | 0.06671 | 0.00000 | 316523.1 | 204547.3 | 100632.1 | S |
| 145.067 | 0.0000 | 0.0000 | 84.997 | 0.06671 | 0.00000 | 316523.1 | 204549.3 | 100632.1 | S |
| 145.075 | 0.0000 | 0.0000 | 84.997 | 0.06670 | 0.00000 | 316523.1 | 204551.3 | 100632.1 | S |
| 145.083 | 0.0000 | 0.0000 | 84.996 | 0.06670 | 0.00000 | 316523.1 | 204553.3 | 100632.1 | S |
| 145.092 | 0.0000 | 0.0000 | 84.996 | 0.06669 | 0.00000 | 316523.1 | 204555.3 | 100632.1 | S |
| 145.100 | 0.0000 | 0.0000 | 84.996 | 0.06668 | 0.00000 | 316523.1 | 204557.3 | 100632.1 | S |
| 145.108 | 0.0000 | 0.0000 | 84.996 | 0.06668 | 0.00000 | 316523.1 | 204559.3 | 100632.1 | S |
| 145.117 | 0.0000 | 0.0000 | 84.996 | 0.06667 | 0.00000 | 316523.1 | 204561.3 | 100632.1 | S |
| 145.125 | 0.0000 | 0.0000 | 84.996 | 0.06666 | 0.00000 | 316523.1 | 204563.3 | 100632.1 | S |
| 145.133 | 0.0000 | 0.0000 | 84.995 | 0.06666 | 0.00000 | 316523.1 | 204565.3 | 100632.1 | S |
| 145.142 | 0.0000 | 0.0000 | 84.995 | 0.06665 | 0.00000 | 316523.1 | 204567.3 | 100632.1 | S |
| 145.150 | 0.0000 | 0.0000 | 84.995 | 0.06665 | 0.00000 | 316523.1 | 204569.3 | 100632.1 | S |
| 145.158 | 0.0000 | 0.0000 | 84.995 | 0.06664 | 0.00000 | 316523.1 | 204571.3 | 100632.1 | S |
| 145.167 | 0.0000 | 0.0000 | 84.995 | 0.06663 | 0.00000 | 316523.1 | 204573.3 | 100632.1 | S |
| 145.175 | 0.0000 | 0.0000 | 84.995 | 0.06663 | 0.00000 | 316523.1 | 204575.3 | 100632.1 | S |
| 145.183 | 0.0000 | 0.0000 | 84.995 | 0.06662 | 0.00000 | 316523.1 | 204577.3 | 100632.1 | S |
| 145.192 | 0.0000 | 0.0000 | 84.994 | 0.06662 | 0.00000 | 316523.1 | 204579.3 | 100632.1 | S |
| 145.200 | 0.0000 | 0.0000 | 84.994 | 0.06661 | 0.00000 | 316523.1 | 204581.3 | 100632.1 | S |
| 145.208 | 0.0000 | 0.0000 | 84.994 | 0.06660 | 0.00000 | 316523.1 | 204583.3 | 100632.1 | S |
| 145.217 | 0.0000 | 0.0000 | 84.994 | 0.06660 | 0.00000 | 316523.1 | 204585.3 | 100632.1 | S |
| 145.225 | 0.0000 | 0.0000 | 84.994 | 0.06659 | 0.00000 | 316523.1 | 204587.3 | 100632.1 | S |
| 145.233 | 0.0000 | 0.0000 | 84.994 | 0.06659 | 0.00000 | 316523.1 | 204589.3 | 100632.1 | S |
| 145.242 | 0.0000 | 0.0000 | 84.994 | 0.06658 | 0.00000 | 316523.1 | 204591.3 | 100632.1 | S |
| 145.250 | 0.0000 | 0.0000 | 84.993 | 0.06657 | 0.00000 | 316523.1 | 204593.3 | 100632.1 | S |
| 145.258 | 0.0000 | 0.0000 | 84.993 | 0.06657 | 0.00000 | 316523.1 | 204595.3 | 100632.1 | S |
| 145.267 | 0.0000 | 0.0000 | 84.993 | 0.06656 | 0.00000 | 316523.1 | 204597.3 | 100632.1 | S |
| 145.275 | 0.0000 | 0.0000 | 84.993 | 0.06656 | 0.00000 | 316523.1 | 204599.3 | 100632.1 | S |
| 145.283 | 0.0000 | 0.0000 | 84.993 | 0.06655 | 0.00000 | 316523.1 | 204601.3 | 100632.1 | S |
| 145.292 | 0.0000 | 0.0000 | 84.993 | 0.06654 | 0.00000 | 316523.1 | 204603.3 | 100632.1 | S |
| 145.300 | 0.0000 | 0.0000 | 84.992 | 0.06654 | 0.00000 | 316523.1 | 204605.3 | 100632.1 | S |
| 145.308 | 0.0000 | 0.0000 | 84.992 | 0.06653 | 0.00000 | 316523.1 | 204607.3 | 100632.1 | S |
| 145.317 | 0.0000 | 0.0000 | 84.992 | 0.06653 | 0.00000 | 316523.1 | 204609.3 | 100632.1 | S |
| 145.325 | 0.0000 | 0.0000 | 84.992 | 0.06652 | 0.00000 | 316523.1 | 204611.3 | 100632.1 | S |
| 145.333 | 0.0000 | 0.0000 | 84.992 | 0.06651 | 0.00000 | 316523.1 | 204613.3 | 100632.1 | S |
| 145.342 | 0.0000 | 0.0000 | 84.992 | 0.06651 | 0.00000 | 316523.1 | 204615.3 | 100632.1 | S |
| 145.350 | 0.0000 | 0.0000 | 84.992 | 0.06650 | 0.00000 | 316523.1 | 204617.3 | 100632.1 | S |
| 145.358 | 0.0000 | 0.0000 | 84.991 | 0.06650 | 0.00000 | 316523.1 | 204619.3 | 100632.1 | S |
| 145.367 | 0.0000 | 0.0000 | 84.991 | 0.06649 | 0.00000 | 316523.1 | 204621.3 | 100632, 1 | S |
| 145.375 | 0.0000 | 0.0000 | 84.991 | 0.06648 | 0.00000 | 316523.1 | 204623.3 | 100632.1 | S |
| 145.383 | 0.0000 | 0.0000 | 84.991 | 0.06648 | 0.00000 | 316523.1 | 204625.2 | 100632.1 | S |
| 145.392 | 0.0000 | 0.0000 | 84.991 | 0.06647 | 0.00000 | 316523.1 | 204627.2 | 100632.1 | S |
| 145.400 | 0.0000 | 0.0000 | 84.991 | 0.06647 | 0.00000 | 316523.1 | 204629.2 | 100632.1 | S |
| 145.408 | 0.0000 | 0.0000 | 84.991 | 0.06646 | 0.00000 | 316523.1 | 204631.2 | 100632.1 | S |
| 145.417 | 0.0000 | 0.0000 | 84.990 | 0.06645 | 0.00000 | 316523.1 | 204633.2 | 100632.1 | S |
| 145.425 | 0.0000 | 0.0000 | 84.990 | 0.06645 | 0.00000 | 316523.1 | 204635.2 | 100632.1 | S |
| 145.433 | 0.0000 | 0.0000 | 84.990 | 0.06644 | 0.00000 | 316523.1 | 204637.2 | 100632.1 | S |
| 145.442 | 0.0000 | 0.0000 | 84.990 | 0.06644 | 0.00000 | 316523.1 | 204639.2 | 100632.1 | S |
| 145.450 | 0.0000 | 0.0000 | 84.990 | 0.06643 | 0.00000 | 316523.1 | 204641.2 | 100632.1 | S |
| 145.458 | 0.0000 | 0.0000 | 84.990 | 0.06642 | 0.00000 | 316523.1 | 204643.2 | 100632.1 | S |
| 145.467 | 0.0000 | 0.0000 | 84.989 | 0.06642 | 0.00000 | 316523.1 | 204645.2 | 100632.1 | S |
| 145.475 | 0.0000 | 0.0000 | 84.989 | 0.06641 | 0.00000 | 316523.1 | 204647.2 | 100632.1 | S |
| 145.483 | 0.0000 | 0.0000 | 84.989 | 0.06641 | 0.00000 | 316523.1 | 204649.2 | 100632.1 | S |
| 145.492 | 0.0000 | 0.0000 | 84.989 | 0.06640 | 0.00000 | 316523.1 | 204651.2 | 100632.1 | S |
| 145.500 | 0.0000 | 0.0000 | 84.989 | 0.06639 | 0.00000 | 316523.1 | 204653.1 | 100632.1 | S |
| 145.508 | 0.0000 | 0.0000 | 84.989 | 0.06639 | 0.00000 | 316523.1 | 204655.1 | 100632.1 | S |
| 145.517 | 0.0000 | 0.0000 | 84.989 | 0.06638 | 0.00000 | 316523.1 | 204657.1 | 100632.1 | S |
| 145.525 | 0.0000 | 0.0000 | 84.988 | 0.06638 | 0.00000 | 316523.1 | 204659.1 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (fuday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{n}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative <br> Discharge <br> Volume ( $\mathrm{n}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 145.533 | 0.0000 | 0.0000 | 84.988 | 0.06637 | 0.00000 | 316523.1 | 204661.1 | 100632.1 | S |
| 145.542 | 0.0000 | 0.0000 | 84.988 | 0.06636 | 0.00000 | 316523.1 | 204663.1 | 100632.1 | S |
| 145.550 | 0.0000 | 0.0000 | 84.988 | 0.06636 | 0.00000 | 316523.1 | 204665.1 | 100632.1 | S |
| 145.558 | 0.0000 | 0.0000 | 84.988 | 0.06635 | 0.00000 | 316523.1 | 204667.1 | 100632.1 | S |
| 145.567 | 0.0000 | 0.0000 | 84.988 | 0.06635 | 0.00000 | 316523.1 | 204669.1 | 100632.1 | S |
| 145.575 | 0.0000 | 0.0000 | 84.988 | 0.06634 | 0.00000 | 316523.1 | 204671.1 | 100632.1 | S |
| 145.583 | 0.0000 | 0.0000 | 84.987 | 0.06633 | 0.00000 | 316523.1 | 204673.0 | 100632.1 | S |
| 145.592 | 0.0000 | 0.0000 | 84.987 | 0.06633 | 0.00000 | 316523.1 | 204675.0 | 100632.1 | S |
| 145.600 | 0.0000 | 0.0000 | 84.987 | 0.06632 | 0.00000 | 316523.1 | 204677.0 | 100632.1 | S |
| 145.608 | 0.0000 | 0.0000 | 84.987 | 0.06632 | 0.00000 | 316523.1 | 204679.0 | 100632.1 | S |
| 145.617 | 0.0000 | 0.0000 | 84.987 | 0.06631 | 0.00000 | 316523.1 | 204681.0 | 100632.1 | S |
| 145.625 | 0.0000 | 0.0000 | 84.987 | 0.06630 | 0.00000 | 316523.1 | 204683.0 | 100632.1 | S |
| 145.633 | 0.0000 | 0.0000 | 84.987 | 0.06630 | 0.00000 | 316523.1 | 204685.0 | 100632.1 | S |
| 145.642 | 0.0000 | 0.0000 | 84.986 | 0.06629 | 0.00000 | 316523.1 | 204687.0 | 100632.1 | S |
| \$45.650 | 0.0000 | 0.0000 | 84.986 | 0.06628 | 0.00000 | 316523.1 | 204689.0 | 100632.1 | S |
| 145.658 | 0.0000 | 0.0000 | 84.986 | 0.06628 | 0.00000 | 316523.1 | 204691.0 | 100632.1 | S |
| 145.667 | 0.0000 | 0.0000 | 84.986 | 0.06627 | 0.00000 | 316523.1 | 204692.9 | 100632.1 | S |
| 145.675 | 0.0000 | 0.0000 | 84.986 | 0.06627 | 0.00000 | 316523.1 | 204694.9 | 100632.1 | S |
| 145.683 | 0.0000 | 0.0000 | 84.986 | 0.06626 | 0.00000 | 316523.1 | 204696.9 | 100632.1 | S |
| 145.692 | 0.0000 | 0.0000 | 84.985 | 0.06625 | 0.00000 | 316523.1 | 204698.9 | 100632.1 | S |
| 145.700 | 0.0000 | 0.0000 | 84.985 | 0.06625 | 0.00000 | 316523.1 | 204700.9 | 100632.1 | S |
| 145.708 | 0.0000 | 0.0000 | 84.985 | 0.06624 | 0.00000 | 316523.1 | 204702.9 | 100632.1 | S |
| 145.717 | 0.0000 | 0.0000 | 84.985 | 0.06624 | 0.00000 | 316523.1 | 204704.9 | 100632.1 | S |
| 145.725 | 0.0000 | 0.0000 | 84.985 | 0.06623 | 0.00000 | 316523.1 | 204706.9 | 100632.1 | S |
| 145.733 | 0.0000 | 0.0000 | 84.985 | 0.06622 | 0.00000 | 316523.1 | 204708.8 | 100632.1 | S |
| 145.742 | 0.0000 | 0.0000 | 84.985 | 0.06622 | 0.00000 | 316523.1 | 204710.8 | 100632.1 | S |
| 145.750 | 0.0000 | 0.0000 | 84.984 | 0.06621 | 0.00000 | 316523.1 | 204712.8 | 100632.1 | S |
| 145.758 | 0.0000 | 0.0000 | 84.984 | 0.06621 | 0.00000 | 316523.1 | 204714.8 | 100632.1 | S |
| 145.767 | 0.0000 | 0.0000 | 84.984 | 0.06620 | 0.00000 | 316523.1 | 204716.8 | 100632.1 | S |
| 145.775 | 0.0000 | 0.0000 | 84.984 | 0.06619 | 0.00000 | 316523.1 | 204718.8 | 100632.1 | S |
| 145.783 | 0.0000 | 0.0000 | 84.984 | 0.06619 | 0.00000 | 316523.1 | 204720.8 | 100632.1 | S |
| 145.792 | 0.0000 | 0.0000 | 84.984 | 0.06618 | 0.00000 | 316523.1 | 204722.8 | 100632.1 | S |
| 145.800 | 0.0000 | 0.0000 | 84.984 | 0.06618 | 0.00000 | 316523.1 | 204724.7 | 100632.1 | S |
| 145.808 | 0.0000 | 0.0000 | 84.983 | 0.06617 | 0.00000 | 316523.1 | 204726.7 | 100632.1 | S |
| 145.817 | 0.0000 | 0.0000 | 84.983 | 0.06616 | 0.00000 | 316523.1 | 204728.7 | 100632.1 | S |
| 145.825 | 0.0000 | 0.0000 | 84.983 | 0.06616 | 0.00000 | 316523.1 | 204730.7 | 100632.1 | S |
| 145.833 | 0.0000 | 0.0000 | 84.983 | 0.06615 | 0.00000 | 316523.1 | 204732.7 | 100632.1 | S |
| 145.842 | 0.0000 | 0.0000 | 84.983 | 0.06615 | 0.00000 | 316523.1 | 204734.7 | 100632.1 | S |
| 145.850 | 0.0000 | 0.0000 | 84.983 | 0.06614 | 0.00000 | 316523.1 | 204736.6 | 100632.1 | S |
| 145.858 | 0.0000 | 0.0000 | 84.983 | 0.06613 | 0.00000 | 316523.1 | 204738.6 | 100632.1 | S |
| 145.867 | 0.0000 | 0.0000 | 84.982 | 0.06613 | 0.00000 | 316523.1 | 204740.6 | 100632.1 | S |
| 145.875 | 0.0000 | 0.0000 | 84.982 | 0.06612 | 0.00000 | 316523.1 | 204742.6 | 100632.1 | S |
| 145.883 | 0.0000 | 0.0000 | 84.982 | 0.06612 | 0.00000 | 316523.1 | 204744.6 | 100632.1 | S |
| 145.892 | 0.0000 | 0.0000 | 84.982 | 0.06611 | 0.00000 | 316523.1 | 204746.6 | 100632.1 | S |
| 145.900 | 0.0000 | 0.0000 | 84.982 | 0.06610 | 0.00000 | 316523.1 | 204748.5 | 100632.1 | S |
| 145.908 | 0.0000 | 0.0000 | 84.982 | 0.06610 | 0.00000 | 316523.1 | 204750.5 | 100632.1 | S |
| 145.917 | 0.0000 | 0.0000 | 84.981 | 0.06609 | 0.00000 | 316523.1 | 204752.5 | 100632.1 | S |
| 145.925 | 0.0000 | 0.0000 | 84.981 | 0.06609 | 0.00000 | 316523.1 | 204754.5 | 100632.1 | S |
| 145.933 | 0.0000 | 0.0000 | 84.981 | 0.06608 | 0.00000 | 316523.1 | 204756.5 | 100632.1 | S |
| 145.942 | 0.0000 | 0.0000 | 84.981 | 0.06607 | 0.00000 | 316523.1 | 204758.5 | 100632.1 | S |
| 145.950 | 0.0000 | 0.0000 | 84.981 | 0.06607 | 0.00000 | 316523.1 | 204760.4 | 100632.1 | S |
| 145.958 | 0.0000 | 0.0000 | 84.981 | 0.06606 | 0.00000 | 316523.1 | 204762.4 | 100632.1 | S |
| 145.967 | 0.0000 | 0.0000 | 84.981 | 0.06606 | 0.00000 | 316523.1 | 204764.4 | 100632.1 | S |
| 145.975 | 0.0000 | 0.0000 | 84.980 | 0.06605 | 0.00000 | 316523.1 | 204766.4 | 100632.1 | S |
| 145.983 | 0.0000 | 0.0000 | 84.980 | 0.06604 | 0.00000 | 316523.1 | 204768.4 | 100632.1 | S |
| 145.992 | 0.0000 | 0.0000 | 84.980 | 0.06604 | 0.00000 | 316523.1 | 204770.3 | 100632.1 | S |
| 146.000 | 0.0000 | 0.0000 | 84.980 | 0.06603 | 0.00000 | 316523.1 | 204772.3 | 100632.1 | S |
| 146.008 | 0.0000 | 0.0000 | 84.980 | 0.06603 | 0.00000 | 316523.1 | 204774.3 | 100632.1 | S |
| 146.017 | 0.0000 | 0.0000 | 84.980 | 0.06602 | 0.00000 | 316523.1 | 204776.3 | 100632.1 | S |
| 146.025 | 0.0000 | 0.0000 | 84.980 | 0.06601 | 0.00000 | 316523.1 | 204778.3 | 100632.1 | S |
| 146.033 | 0.0000 | 0.0000 | 84.979 | 0.06601 | 0.00000 | 316523.1 | 204780.3 | 100632.1 | S |
| \$46.042 | 0.0000 | 0.0000 | 84.979 | 0.06600 | 0.00000 | 316523.1 | 204782,2 | 100632.1 | S |
| 146.050 | 0.0000 | 0.0000 | 84.979 | 0.06600 | 0.00000 | 316523.1 | 204784.2 | 100632.1 | S |
| 146.058 | 0.0000 | 0.0000 | 84.979 | 0.06599 | 0.00000 | 316523.1 | 204786.2 | 100632.1 | S |
| 146.067 | 0.0000 | 0.0000 | 84.979 | 0.06598 | 0.00000 | 316523.1 | 204788.2 | 100632.1 | S |
| 146.075 | 0.0000 | 0.0000 | 84.979 | 0.06598 | 0.00000 | 316523.1 | 204790.1 | 100632.1 | S |
| 146.083 | 0.0000 | 0.0000 | 84.978 | 0.06597 | 0.00000 | 316523.1 | 204792.1 | 100632.1 | S |
| 146.092 | 0.0000 | 0.0000 | 84.978 | 0.06597 | 0.00000 | 316523.1 | 204794.1 | 100632.1 | S |
| 146.100 | 0.0000 | 0.0000 | 84.978 | 0.06596 | 0.00000 | 316523.1 | 204796.1 | 100632.1 | S |
| 146.108 | 0.0000 | 0.0000 | 84.978 | 0.06595 | 0.00000 | 316523.1 | 204798.1 | 100632.1 | S |
| 146.117 | 0.0000 | 0.0000 | 84.978 | 0.06595 | 0.00000 | 316523.1 | 204800.0 | 100632.1 | S |
| 146.125 | 0.0000 | 0.0000 | 84.978 | 0.06594 | 0.00000 | 316523.1 | 204802.0 | 100632.1 | S |
| 146.133 | 0.0000 | 0.0000 | 84.978 | 0.06594 | 0.00000 | 316523.1 | 204804.0 | 100632.1 | S |
| 146.142 | 0.0000 | 0.0000 | 84.977 | 0.06593 | 0.00000 | 316523.1 | 204806.0 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/overflow

| Elapsed Time (hours) | Intlow Rate ( $\mathrm{H}^{3 / \mathrm{s}}$ ) | Outside Recharge (fidday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{H}^{3 / \mathrm{s}} \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infilitration Volume ( $\mathrm{ff}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 146.150 | 0.0000 | 0.0000 | 84.977 | 0.06592 | 0.00000 | 316523.1 | 204808.0 | 100632.1 | S |
| 146.158 | 0.0000 | 0.0000 | 84.977 | 0.06592 | 0.00000 | 316523.1 | 204809.9 | 100632.1 | S |
| 146.167 | 0.0000 | 0.0000 | 84.977 | 0.06591 | 0.00000 | 316523.1 | 204811.9 | 100632.1 | S |
| 146.175 | 0.0000 | 0.0000 | 84.977 | 0.06591 | 0.00000 | 316523.1 | 204813.9 | 100632.1 | S |
| 146.183 | 0.0000 | 0.0000 | 84.977 | 0.06590 | 0.00000 | 316523.1 | 204815.9 | 100632.1 | S |
| 146.192 | 0.0000 | 0.0000 | 84.977 | 0.06589 | 0.00000 | 316523.1 | 204817.8 | 100632.1 | S |
| 146.200 | 0.0000 | 0.0000 | 84.976 | 0.06589 | 0.00000 | 316523.1 | 204819.8 | 100632.1 | S |
| 146.208 | 0.0000 | 0.0000 | 84.976 | 0.06588 | 0.00000 | 316523.1 | 204821.8 | 100632.1 | S |
| 146.217 | 0.0000 | 0.0000 | 84.976 | 0.06588 | 0.00000 | 316523.1 | 204823.8 | 100632.1 | S |
| 146.225 | 0.0000 | 0.0000 | 84.976 | 0.06587 | 0.00000 | 316523.1 | 204825.8 | 100632.1 | S |
| 146.233 | 0.0000 | 0.0000 | 84.976 | 0.06586 | 0.00000 | 316523.1 | 204827.7 | 100632.1 | S |
| 146.242 | 0.0000 | 0.0000 | 84.976 | 0.06586 | 0.00000 | 316523.1 | 204829.7 | 100632.1 | S |
| 146.250 | 0.0000 | 0.0000 | 84.976 | 0.06585 | 0.00000 | 316523.1 | 204831.7 | 100632.1 | S |
| 146.258 | 0.0000 | 0.0000 | 84.975 | 0.06585 | 0.00000 | 316523.1 | 204833.6 | 100632.1 | S |
| 146.267 | 0.0000 | 0.0000 | 84.975 | 0.06584 | 0.00000 | 316523.1 | 204835.6 | 100632.1 | S |
| 146.275 | 0.0000 | 0.0000 | 84.975 | 0.06583 | 0.00000 | 316523.1 | 204837.6 | 100632.1 | S |
| 146.283 | 0.0000 | 0.0000 | 84.975 | 0.06583 | 0.00000 | 316523.1 | 204839.6 | 100632.1 | S |
| 146.292 | 0.0000 | 0.0000 | 84.975 | 0.06582 | 0.00000 | 316523.1 | 204841.5 | 100632.1 | S |
| 146.300 | 0.0000 | 0.0000 | 84.975 | 0.06582 | 0.00000 | 316523.1 | 204843.5 | 100632.1 | S |
| 146.308 | 0.0000 | 0.0000 | 84.974 | 0.06581 | 0.00000 | 316523.1 | 204845.5 | 100632.1 | S |
| 146.317 | 0.0000 | 0.0000 | 84.974 | 0.06580 | 0.00000 | 316523.1 | 204847.5 | 100632.1 | S |
| 146.325 | 0.0000 | 0.0000 | 84.974 | 0.06580 | 0.00000 | 316523.1 | 204849.4 | 100632.1 | S |
| 146.333 | 0.0000 | 0.0000 | 84.974 | 0.06579 | 0.00000 | 316523.1 | 204851.4 | 100632.1 | S |
| 146.342 | 0.0000 | 0.0000 | 84.974 | 0.06579 | 0.00000 | 316523.1 | 204853.4 | 100632.1 | S |
| 146.350 | 0.0000 | 0.0000 | 84.974 | 0.06578 | 0.00000 | 316523.1 | 204855.4 | 100632.1 | S |
| 146.358 | 0.0000 | 0.0000 | 84.974 | 0.06577 | 0.00000 | 316523.1 | 204857.3 | 100632.1 | S |
| 146.367 | 0.0000 | 0.0000 | 84.973 | 0.06577 | 0.00000 | 316523.1 | 204859.3 | 100632.1 | S |
| 146.375 | 0.0000 | 0.0000 | 84.973 | 0.06576 | 0.00000 | 316523.1 | 204861.3 | 100632.1 | S |
| 146.383 | 0.0000 | 0.0000 | 84.973 | 0.06576 | 0.00000 | 316523.1 | 204863.3 | 100632.1 | S |
| 146.392 | 0.0000 | 0.0000 | 84.973 | 0.06575 | 0.00000 | 316523.1 | 204865.2 | 100632.1 | S |
| 146.400 | 0.0000 | 0.0000 | 84.973 | 0.06574 | 0.00000 | 316523.1 | 204867.2 | 100632.1 | S |
| 146.408 | 0.0000 | 0.0000 | 84.973 | 0.06574 | 0.00000 | 316523.1 | 204869.2 | 100632.1 | S |
| 146.417 | 0.0000 | 0.0000 | 84.973 | 0.06573 | 0.00000 | 316523.1 | 204871.1 | 100632.1 | S |
| 146.425 | 0.0000 | 0.0000 | 84.972 | 0.06573 | 0.00000 | 316523.1 | 204873.1 | 100632.1 | S |
| 146.433 | 0.0000 | 0.0000 | 84.972 | 0.06572 | 0.00000 | 316523.1 | 204875.1 | 100632.1 | S |
| 146.442 | 0.0000 | 0.0000 | 84.972 | 0.06571 | 0.00000 | 316523.1 | 204877.1 | 100632.1 | S |
| 146.450 | 0.0000 | 0.0000 | 84.972 | 0.06571 | 0.00000 | 316523.1 | 204879.0 | 100632.1 | S |
| 146.458 | 0.0000 | 0.0000 | 84.972 | 0.06570 | 0.00000 | 316523.1 | 204881.0 | 100632.1 | S |
| 146.467 | 0.0000 | 0.0000 | 84.972 | 0.06570 | 0.00000 | 316523.1 | 204883.0 | 100632.1 | S |
| 146.475 | 0.0000 | 0.0000 | 84.972 | 0.06569 | 0.00000 | 316523.1 | 204885.0 | 100632.1 | S |
| 146.483 | 0.0000 | 0.0000 | 84.971 | 0.06568 | 0.00000 | 316523.1 | 204886.9 | 100632.1 | S |
| 146.492 | 0.0000 | 0.0000 | 84.971 | 0.06568 | 0.00000 | 316523.1 | 204888.9 | 100632.1 | S |
| 146.500 | 0.0000 | 0.0000 | 84.971 | 0.06567 | 0.00000 | 316523.1 | 204890.9 | 100632.1 | S |
| 146.508 | 0.0000 | 0.0000 | 84.971 | 0.06567 | 0.00000 | 316523.1 | 204892.8 | 100632.1 | S |
| 146.517 | 0.0000 | 0.0000 | 84.971 | 0.06566 | 0.00000 | 316523.1 | 204894.8 | 100632.1 | S |
| 146.525 | 0.0000 | 0.0000 | 84.971 | 0.06565 | 0.00000 | 376523.1 | 204896.8 | 100632.1 | S |
| 146.533 | 0.0000 | 0.0000 | 84.970 | 0.06565 | 0.00000 | 316523.1 | 204898.7 | 100632.1 | S |
| 146.542 | 0.0000 | 0.0000 | 84.970 | 0.06564 | 0.00000 | 316523.1 | 204900.7 | 100632.1 | S |
| 146.550 | 0.0000 | 0.0000 | 84.970 | 0.06564 | 0.00000 | 316523.1 | 204902.7 | 100632.1 | S |
| 146.558 | 0.0000 | 0.0000 | 84.970 | 0.06563 | 0.00000 | 316523.1 | 204904.6 | 100632.1 | S |
| 146.567 | 0.0000 | 0.0000 | 84.970 | 0.06562 | 0.00000 | 316523.1 | 204906.6 | 100632.1 | S |
| 146.575 | 0.0000 | 0.0000 | 84.970 | 0.06562 | 0.00000 | 316523.1 | 204908.6 | 100632.1 | S |
| 146.583 | 0.0000 | 0.0000 | 84.970 | 0.06561 | 0.00000 | 316523.1 | 204910.5 | 100632.1 | S |
| 146.592 | 0.0000 | 0.0000 | 84.969 | 0.06561 | 0.00000 | 316523.1 | 204912.5 | 100632.1 | S |
| 146.600 | 0.0000 | 0.0000 | 84.969 | 0.06560 | 0.00000 | 316523.1 | 204914.5 | 100632.1 | S |
| 146.608 | 0.0000 | 0.0000 | 84.969 | 0.06559 | 0.00000 | 316523.1 | 204916.5 | 100632.1 | S |
| 146.617 | 0.0000 | 0.0000 | 84.969 | 0.06559 | 0.00000 | 316523.1 | 204918.4 | 100632.1 | S |
| 146.625 | 0.0000 | 0.0000 | 84.969 | 0.06558 | 0.00000 | 316523.1 | 204920.4 | 100632.1 | S |
| 146.633 | 0.0000 | 0.0000 | 84.969 | 0.06558 | 0.00000 | 316523.1 | 204922.4 | 100632.1 | S |
| 146.642 | 0.0000 | 0.0000 | 84.969 | 0.06557 | 0.00000 | 316523.1 | 204924.3 | 100632.1 | S |
| 146.650 | 0.0000 | 0.0000 | 84.968 | 0.06556 | 0.00000 | 316523.1 | 204926.3 | 100632.1 | S |
| 146.658 | 0.0000 | 0.0000 | 84.968 | 0.06556 | 0.00000 | 316523.1 | 204928.3 | 100632.1 | S |
| 146.667 | 0.0000 | 0.0000 | 84.968 | 0.06555 | 0.00000 | 316523.1 | 204930.2 | 100632.1 | S |
| 146.675 | 0.0000 | 0.0000 | 84.968 | 0.06555 | 0.00000 | 316523.1 | 204932.2 | 100632.1 | S |
| 146.683 | 0.0000 | 0.0000 | 84.968 | 0.06554 | 0.00000 | 316523.1 | 204934.2 | 100632.1 | S |
| 146.692 | 0.0000 | 0.0000 | 84.968 | 0.06553 | 0.00000 | 316523.1 | 204936.1 | 100632.1 | S |
| 146.700 | 0.0000 | 0.0000 | 84.968 | 0.06553 | 0.00000 | 316523.1 | 204938.1 | 100632.1 | S |
| 146.708 | 0.0000 | 0.0000 | 84.967 | 0.06552 | 0.00000 | 316523.1 | 204940.1 | 100632.1 | S |
| 146.717 | 0.0000 | 0.0000 | 84.967 | 0.06552 | 0.00000 | 316523.1 | 204942.0 | 100632.1 | S |
| 146.725 | 0.0000 | 0.0000 | 84.967 | 0.06551 | 0.00000 | 316523.1 | 204944.0 | 100632.1 | S |
| 146.733 | 0.0000 | 0.0000 | 84.967 | 0.06551 | 0.00000 | 316523.1 | 204946.0 | 100632.1 | S |
| 146.742 | 0.0000 | 0.0000 | 84.967 | 0.06550 | 0.00000 | 316523.1 | 204947.9 | 100632.1 | S |
| 146.750 | 0.0000 | 0.0000 | 84.967 | 0.06549 | 0.00000 | 316523.1 | 204949.9 | 100632.1 | S |
| 146.758 | 0.0000 | 0.0000 | 84.966 | 0.06549 | 0.00000 | 316523.1 | 204951.8 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate <br> ( $\mathrm{H}^{3 / 5}$ ) | Outside Recharge (ftday) | Stage Elevation (fl datum) | Infiltration Rate ( $\mathrm{ft}^{3 /} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 146.767 | 0.0000 | 0.0000 | 84.966 | 0.06548 | 0.00000 | 316523.1 | 204953.8 | 100632.1 | S |
| 146.775 | 0.0000 | 0.0000 | 84.966 | 0.06548 | 0.00000 | 316523.1 | 204955.8 | 100632.1 | S |
| 146.783 | 0.0000 | 0.0000 | 84.966 | 0.06547 | 0.00000 | 316523.1 | 204957.7 | 100632.1 | S |
| 146.792 | 0.0000 | 0.0000 | 84.966 | 0.06546 | 0.00000 | 316523.1 | 204959.7 | 100632.1 | S |
| 146.800 | 0.0000 | 0.0000 | 84.966 | 0.06546 | 0.00000 | 316523.1 | 204961.7 | 100632.1 | S |
| 146.808 | 0.0000 | 0.0000 | 84.966 | 0.06545 | 0.00000 | 316523.1 | 204963.6 | 100632.1 | S |
| 146.817 | 0.0000 | 0.0000 | 84.965 | 0.06545 | 0.00000 | 316523.1 | 204965.6 | 100632.1 | S |
| 146.825 | 0.0000 | 0.0000 | 84.965 | 0.06544 | 0.00000 | 316523.1 | 204967.6 | 100632.1 | S |
| 146.833 | 0.0000 | 0.0000 | 84.965 | 0.06543 | 0.00000 | 316523.1 | 204969.5 | 100632.1 | S |
| 146.842 | 0.0000 | 0.0000 | 84.965 | 0.06543 | 0.00000 | 316523.1 | 204971.5 | 100632.1 | S |
| 146.850 | 0.0000 | 0.0000 | 84.965 | 0.06542 | 0.00000 | 316523.1 | 204973.5 | 100632.1 | S |
| 146.858 | 0.0000 | 0.0000 | 84.965 | 0.06542 | 0.00000 | 316523.1 | 204975.4 | 100632.1 | S |
| 146.867 | 0.0000 | 0.0000 | 84.965 | 0.06541 | 0.00000 | 316523.1 | 204977.4 | 100632.1 | S |
| 146.875 | 0.0000 | 0.0000 | 84.964 | 0.06540 | 0.00000 | 316523.1 | 204979.3 | 100632.1 | S |
| 146.883 | 0.0000 | 0.0000 | 84.964 | 0.06540 | 0.00000 | 316523.1 | 204981.3 | 100632.1 | S |
| 146.892 | 0.0000 | 0.0000 | 84.964 | 0.06539 | 0.00000 | 316523.1 | 204983.3 | 100632.1 | S |
| 146.900 | 0.0000 | 0.0000 | 84.964 | 0.06539 | 0.00000 | 316523.1 | 204985.2 | 100632.1 | S |
| 146.908 | 0.0000 | 0.0000 | 84.964 | 0.06538 | 0.00000 | 316523.1 | 204987.2 | 100632.1 | S |
| 146.917 | 0.0000 | 0.0000 | 84.964 | 0.06537 | 0.00000 | 316523.1 | 204989.1 | 100632.1 | S |
| 146.925 | 0.0000 | 0.0000 | 84.964 | 0.06537 | 0.00000 | 316523.1 | 204991.1 | 100632.1 | S |
| 146.933 | 0.0000 | 0.0000 | 84.963 | 0.06536 | 0.00000 | 316523.1 | 204993.1 | 100632.1 | S |
| 146.942 | 0.0000 | 0.0000 | 84.963 | 0.06536 | 0.00000 | 316523.1 | 204995.0 | 100632.1 | S |
| 146.950 | 0.0000 | 0.0000 | 84.963 | 0.06535 | 0.00000 | $3\{6523.1$ | 204997.0 | 100632.1 | S |
| 146.958 | 0.0000 | 0.0000 | 84.963 | 0.06534 | 0.00000 | 316523.1 | 204999.0 | 100632.1 | S |
| 146.967 | 0.0000 | 0.0000 | 84.963 | 0.06534 | 0.00000 | 316523.1 | 205000.9 | 100632.1 | S |
| 146.975 | 0.0000 | 0.0000 | 84.963 | 0.06533 | 0.00000 | 316523.1 | 205002.9 | 100632.1 | S |
| 146.983 | 0.0000 | 0.0000 | 84.962 | 0.06533 | 0.00000 | 316523.1 | 205004.8 | 100632.1 | S |
| 146.992 | 0.0000 | 0.0000 | 84.962 | 0.06532 | 0.00000 | 316523.1 | 205006.8 | 100632.1 | S |
| 147.000 | 0.0000 | 0.0000 | 84.962 | 0.06531 | 0.00000 | 316523.1 | 205008.8 | 100632.1 | S |
| 147.008 | 0.0000 | 0.0000 | 84.962 | 0.06531 | 0.00000 | 316523.1 | 205010.7 | 100632.1 | S |
| \$47.017 | 0.0000 | 0.0000 | 84.962 | 0.06530 | 0.00000 | 316523.1 | 205012.7 | 100632.1 | S |
| 147.025 | 0.0000 | 0.0000 | 84.962 | 0.06530 | 0.00000 | 316523.1 | 205014.6 | 100632.1 | S |
| 147.033 | 0.0000 | 0.0000 | 84.962 | 0.06529 | 0.00000 | 316523.1 | 205016.6 | 100632.1 | S |
| 147.042 | 0.0000 | 0.0000 | 84.961 | 0.06528 | 0.00000 | 316523.1 | 205018.5 | 100632.1 | S |
| 147.050 | 0.0000 | 0.0000 | 84.961 | 0.06528 | 0.00000 | 316523.1 | 205020.5 | 100632.1 | S |
| 147.058 | 0.0000 | 0.0000 | 84.961 | 0.06527 | 0.00000 | 316523.1 | 205022.5 | 100632.1 | S |
| 147.067 | 0.0000 | 0.0000 | 84.961 | 0.06527 | 0.00000 | 316523.1 | 205024.4 | 100632.1 | S |
| 147.075 | 0.0000 | 0.0000 | 84.961 | 0.06526 | 0.00000 | 316523.1 | 205026.4 | 100632.1 | S |
| 147.083 | 0.0000 | 0.0000 | 84.961 | 0.06525 | 0.00000 | 316523.1 | 205028.3 | 100632.1 | S |
| 147.092 | 0.0000 | 0.0000 | 84.961 | 0.06525 | 0.00000 | 316523.1 | 205030.3 | 100632.1 | S |
| 147.100 | 0.0000 | 0.0000 | 84.960 | 0.06524 | 0.00000 | 316523.1 | 205032.3 | 100632.1 | S |
| 147.108 | 0.0000 | 0.0000 | 84.960 | 0.06524 | 0.00000 | 316523.1 | 205034.2 | 100632.1 | S |
| 147.117 | 0.0000 | 0.0000 | 84.960 | 0.06523 | 0.00000 | 316523.1 | 205036.2 | 100632.1 | S |
| 147.125 | 0.0000 | 0.0000 | 84.960 | 0.06522 | 0.00000 | 316523.1 | 205038.1 | 100632.1 | S |
| 147.133 | 0.0000 | 0.0000 | 84.960 | 0.06522 | 0.00000 | 316523.1 | 205040.1 | 100632.1 | S |
| 147.142 | 0.0000 | 0.0000 | 84.960 | 0.06521 | 0.00000 | 316523.1 | 205042.0 | 100632.1 | S |
| 147.150 | 0.0000 | 0.0000 | 84.960 | 0.06521 | 0.00000 | 316523.1 | 205044.0 | 100632.1 | S |
| 147.158 | 0.0000 | 0.0000 | 84.959 | 0.06520 | 0.00000 | 316523.1 | 205045.9 | 100632.1 | S |
| 147.167 | 0.0000 | 0.0000 | 84.959 | 0.06520 | 0.00000 | 316523.1 | 205047.9 | 100632.1 | S |
| 147.175 | 0.0000 | 0.0000 | 84.959 | 0.06519 | 0.00000 | 316523.1 | 205049.9 | 100632.1 | S |
| 147.183 | 0.0000 | 0.0000 | 84.959 | 0.06518 | 0.00000 | 316523.1 | 205051.8 | 100632.1 | S |
| 147.192 | 0.0000 | 0.0000 | 84.959 | 0.06518 | 0.00000 | 316523.1 | 205053.8 | 100632.1 | S |
| 147.200 | 0.0000 | 0.0000 | 84.959 | 0.06517 | 0.00000 | 316523.1 | 205055.7 | 100632.1 | S |
| 147.208 | 0.0000 | 0.0000 | 84.958 | 0.06517 | 0.00000 | 316523.1 | 205057.7 | 100632.1 | S |
| 147.217 | 0.0000 | 0.0000 | 84.958 | 0.06516 | 0.00000 | 316523.1 | 205059.6 | 100632.1 | S |
| 147.225 | 0.0000 | 0.0000 | 84.958 | 0.06515 | 0.00000 | 316523.1 | 205061.6 | 100632.1 | S |
| 147.233 | 0.0000 | 0.0000 | 84.958 | 0.06515 | 0.00000 | 316523.1 | 205063.5 | 100632.7 | S |
| 147.242 | 0.0000 | 0.0000 | 84.958 | 0.06514 | 0.00000 | 316523.1 | 205065.5 | 100632.1 | S |
| 147.250 | 0.0000 | 0.0000 | 84.958 | 0.06514 | 0.00000 | 316523.1 | 205067.5 | 100632.1 | S |
| 147.258 | 0.0000 | 0.0000 | 84.958 | 0.06513 | 0.00000 | 316523.1 | 205069.4 | 100632.1 | S |
| 147.267 | 0.0000 | 0.0000 | 84.957 | 0.06512 | 0.00000 | 316523.1 | 205071.4 | 100632.1 | S |
| 147.275 | 0.0000 | 0.0000 | 84.957 | 0.06512 | 0.00000 | 316523.1 | 205073.3 | 100632.1 | S |
| 147.283 | 0.0000 | 0.0000 | 84.957 | 0.06511 | 0.00000 | 316523.1 | 205075.3 | 100632.1 | S |
| 147.292 | 0.0000 | 0.0000 | 84.957 | 0.06511 | 0.00000 | 316523.1 | 205077.2 | 100632.1 | S |
| 147.300 | 0.0000 | 0.0000 | 84.957 | 0.06510 | 0.00000 | 316523.1 | 205079.2 | 100632.1 | S |
| 147.308 | 0.0000 | 0.0000 | 84.957 | 0.06509 | 0.00000 | 316523.1 | 205081.1 | 100632.1 | S |
| 147.317 | 0.0000 | 0.0000 | 84.957 | 0.06509 | 0.00000 | 316523.1 | 205083.1 | 100632.1 | S |
| 147.325 | 0.0000 | 0.0000 | 84.956 | 0.06508 | 0.00000 | 316523.1 | 205085.0 | 100632.1 | S |
| 147.333 | 0.0000 | 0.0000 | 84.956 | 0.06508 | 0.00000 | 316523.1 | 205087.0 | 100632.1 | S |
| 147.342 | 0.0000 | 0.0000 | 84.956 | 0.06507 | 0.00000 | 316523.1 | 205088.9 | 100632.1 | S |
| 147.350 | 0.0000 | 0.0000 | 84.956 | 0.06506 | 0.00000 | 316523.7 | 205090.9 | 100632.1 | S |
| 147.358 | 0.0000 | 0.0000 | 84.956 | 0.06506 | 0.00000 | 316523.1 | 205092.8 | 100632.1 | S |
| 147.367 | 0.0000 | 0.0000 | 84.956 | 0.06505 | 0.00000 | 316523.1 | 205094.8 | 100632.1 | S |
| 147.375 | 0.0000 | 0.0000 | 84.956 | 0.06505 | 0.00000 | 316523.1 | 205096.7 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (fUday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative infiltration Volume (ft ${ }^{3}$ ) | Cumulative <br> Discharge <br> Volume ( $\mathrm{Ht}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 147.383 | 0.0000 | 0.0000 | 84.955 | 0.06504 | 0.00000 | 316523.1 | 205098.7 | 100632.1 | S |
| 147.392 | 0.0000 | 0.0000 | 84.955 | 0.06503 | 0.00000 | 316523.1 | 205100.6 | 100632.1 | S |
| 147.400 | 0.0000 | 0.0000 | 84.955 | 0.06503 | 0.00000 | 316523.1 | 205102.6 | 100632.1 | S |
| 147.408 | 0.0000 | 0.0000 | 84.955 | 0.06502 | 0.00000 | 316523.1 | 205104.5 | 100632.1 | S |
| 147.417 | 0.0000 | 0.0000 | 84.955 | 0.06502 | 0.00000 | 316523.1 | 205106.5 | 100632.1 | S |
| 147.425 | 0.0000 | 0.0000 | 84.955 | 0.06501 | 0.00000 | 316523.1 | 205108.4 | 100632.1 | S |
| 147.433 | 0.0000 | 0.0000 | 84.955 | 0.06501 | 0.00000 | 316523.1 | 205110.4 | 100632.1 | S |
| 147.442 | 0.0000 | 0.0000 | 84.954 | 0.06500 | 0.00000 | 316523.1 | 205112.3 | 100632.1 | S |
| 147.450 | 0.0000 | 0.0000 | 84.954 | 0.06499 | 0.00000 | 316523.1 | 205114.3 | 100632.1 | S |
| 147.458 | 0.0000 | 0.0000 | 84.954 | 0.06499 | 0.00000 | 316523.1 | 205116.3 | 100632.1 | S |
| 147.467 | 0.0000 | 0.0000 | 84.954 | 0.06498 | 0.00000 | 316523.1 | 205118.2 | 100632.1 | S |
| 147.475 | 0.0000 | 0.0000 | 84.954 | 0.06498 | 0.00000 | 316523.1 | 205120.1 | 100632.1 | S |
| 147.483 | 0.0000 | 0.0000 | 84.954 | 0.06497 | 0.00000 | 316523.1 | 205122.1 | 100632.1 | S |
| 147.492 | 0.0000 | 0.0000 | 84.953 | 0.06496 | 0.00000 | 316523.1 | 205124.0 | 100632.1 | S |
| 147.500 | 0.0000 | 0.0000 | 84.953 | 0.06496 | 0.00000 | 316523.1 | 205126.0 | 100632.1 | S |
| 147.508 | 0.0000 | 0.0000 | 84.953 | 0.06495 | 0.00000 | 316523.1 | 205127.9 | 100632.1 | S |
| 147.517 | 0.0000 | 0.0000 | 84.953 | 0.06495 | 0.00000 | 316523.1 | 205129.9 | 100632.1 | S |
| 147.525 | 0.0000 | 0.0000 | 84.953 | 0.06494 | 0.00000 | 316523.1 | 205131.8 | 100632.1 | S |
| 147.533 | 0.0000 | 0.0000 | 84.953 | 0.06493 | 0.00000 | 316523.1 | 205133.8 | 100632.1 | S |
| 147.542 | 0.0000 | 0.0000 | 84.953 | 0.06493 | 0.00000 | 316523.1 | 205135.7 | 100632.1 | S |
| 147.550 | 0.0000 | 0.0000 | 84.952 | 0.06492 | 0.00000 | 316523.1 | 205137.7 | 100632.1 | S |
| 147.558 | 0.0000 | 0.0000 | 84.952 | 0.06492 | 0.00000 | 316523.1 | 205139.6 | 100632.1 | S |
| 147.567 | 0.0000 | 0.0000 | 84.952 | 0.06491 | 0.00000 | 316523.1 | 205141.6 | 100632.1 | S |
| 147.575 | 0.0000 | 0.0000 | 84.952 | 0.06490 | 0.00000 | 316523.1 | 205143.5 | 100632.1 | S |
| 147.583 | 0.0000 | 0.0000 | 84.952 | 0.06490 | 0.00000 | 316523.1 | 205145.5 | 100632.1 | S |
| 147.592 | 0.0000 | 0.0000 | 84.952 | 0.06489 | 0.00000 | 316523.1 | 205147.4 | 100632.1 | S |
| 147.600 | 0.0000 | 0.0000 | 84.952 | 0.06489 | 0.00000 | 316523.1 | 205149.4 | 100632.1 | S |
| 147.608 | 0.0000 | 0.0000 | 84.951 | 0.06488 | 0.00000 | 316523.1 | 205151.3 | 100632.1 | S |
| 147.617 | 0.0000 | 0.0000 | 84.951 | 0.06487 | 0.00000 | 316523.1 | 205153.3 | 100632.1 | S |
| 147.625 | 0.0000 | 0.0000 | 84.951 | 0.06487 | 0.00000 | 316523.1 | 205155.2 | 100632.1 | S |
| 147.633 | 0.0000 | 0.0000 | 84.951 | 0.06486 | 0.00000 | 316523.1 | 205157.1 | 100632.1 | S |
| 147.642 | 0.0000 | 0.0000 | 84.951 | 0.06486 | 0.00000 | 316523.1 | 205159.1 | 100632.1 | S |
| 147.650 | 0.0000 | 0.0000 | 84.951 | 0.06485 | 0.00000 | 316523.1 | 205161.0 | 100632.1 | S |
| 147.658 | 0.0000 | 0.0000 | 84.951 | 0.06485 | 0.00000 | 316523.1 | 205163.0 | 100632.1 | S |
| 147.667 | 0.0000 | 0.0000 | 84.950 | 0.06484 | 0.00000 | 316523.1 | 205164.9 | 100632.1 | S |
| 147.675 | 0.0000 | 0.0000 | 84.950 | 0.06483 | 0.00000 | 316523.1 | 205166.9 | 100632.1 | S |
| 147.683 | 0.0000 | 0.0000 | 84.950 | 0.06483 | 0.00000 | 316523.1 | 205168.8 | 100632.1 | S |
| 147.692 | 0.0000 | 0.0000 | 84.950 | 0.06482 | 0.00000 | 316523.1 | 205170.8 | 100632.1 | S |
| 147.700 | 0.0000 | 0.0000 | 84.950 | 0.06482 | 0.00000 | 316523.1 | 205172.7 | 100632.1 | S |
| 147.708 | 0.0000 | 0.0000 | 84.950 | 0.06481 | 0.00000 | 316523.1 | 205174.7 | 100632.1 | S |
| 147.717 | 0.0000 | 0.0000 | 84.950 | 0.06480 | 0.00000 | 316523.1 | 205176.6 | 100632.1 | S |
| 147.725 | 0.0000 | 0.0000 | 84.949 | 0.06480 | 0.00000 | 316523.1 | 205178.5 | 100632.1 | S |
| 147.733 | 0.0000 | 0.0000 | 84.949 | 0.06479 | 0.00000 | 316523.1 | 205180.5 | 100632.1 | S |
| 147.742 | 0.0000 | 0.0000 | 84.949 | 0.06479 | 0.00000 | 316523.1 | 205182.4 | 100632.1 | S |
| 147.750 | 0.0000 | 0.0000 | 84.949 | 0.06478 | 0.00000 | 316523.1 | 205184.4 | 100632.1 | S |
| 147.758 | 0.0000 | 0.0000 | 84.949 | 0.06477 | 0.00000 | 316523.1 | 205186.3 | 100632.1 | S |
| 147.767 | 0.0000 | 0.0000 | 84.949 | 0.06477 | 0.00000 | 316523.1 | 205188.3 | 100632.1 | S |
| 147.775 | 0.0000 | 0.0000 | 84.948 | 0.06476 | 0.00000 | 316523.1 | 205190.2 | 100632.1 | S |
| 147.783 | 0.0000 | 0.0000 | 84.948 | 0.06476 | 0.00000 | 316523.1 | 205192.1 | 100632.1 | S |
| 147.792 | 0.0000 | 0.0000 | 84.948 | 0.06475 | 0.00000 | 316523.1 | 205194.1 | 100632.1 | S |
| 147.800 | 0.0000 | 0.0000 | 84.948 | 0.06474 | 0.00000 | 316523.1 | 205196.0 | 100632.1 | S |
| 147.808 | 0.0000 | 0.0000 | 84.948 | 0.06474 | 0.00000 | 316523.1 | 205198.0 | 100632.1 | S |
| 147.817 | 0.0000 | 0.0000 | 84.948 | 0.06473 | 0.00000 | 316523.1 | 205199.9 | 100632.1 | S |
| 147.825 | 0.0000 | 0.0000 | 84.948 | 0.06473 | 0.00000 | 316523.1 | 205201.9 | 100632.1 | S |
| 147.833 | 0.0000 | 0.0000 | 84.947 | 0.06472 | 0.00000 | 316523.1 | 205203.8 | 100632.1 | S |
| 147.842 | 0.0000 | 0.0000 | 84.947 | 0.06472 | 0.00000 | 316523.1 | 205205.7 | 100632.1 | S |
| 147.850 | 0.0000 | 0.0000 | 84.947 | 0.06471 | 0.00000 | 316523.1 | 205207.7 | 100632.1 | S |
| 147.858 | 0.0000 | 0.0000 | 84.947 | 0.06470 | 0.00000 | 316523.1 | 205209.6 | 100632.1 | S |
| 147.867 | 0.0000 | 0.0000 | 84.947 | 0.06470 | 0.00000 | 316523.1 | 205211.6 | 100632.1 | S |
| 147.875 | 0.0000 | 0.0000 | 84.947 | 0.06469 | 0.00000 | 316523.1 | 205213.5 | 100632.1 | S |
| 147.883 | 0.0000 | 0.0000 | 84.947 | 0.06469 | 0.00000 | 316523.1 | 205215.4 | 100632.1 | S |
| 147.892 | 0.0000 | 0.0000 | 84.946 | 0.06468 | 0.00000 | 316523.1 | 205217.4 | 100632.1 | S |
| 147.900 | 0.0000 | 0.0000 | 84.946 | 0.06467 | 0.00000 | 316523.1 | 205219.3 | 100632.1 | S |
| 147.908 | 0.0000 | 0.0000 | 84.946 | 0.06467 | 0.00000 | 316523.1 | 205221.3 | 100632.1 | S |
| 147.917 | 0.0000 | 0.0000 | 84.946 | 0.06466 | 0.00000 | 316523.1 | 205223.2 | 100632.1 | S |
| 147.925 | 0.0000 | 0.0000 | 84.946 | 0.06466 | 0.00000 | 316523.1 | 205225.1 | 100632.1 | S |
| 147.933 | 0.0000 | 0.0000 | 84.946 | 0.06465 | 0.00000 | 316523.1 | 205227.1 | 100632.1 | S |
| 147.942 | 0.0000 | 0.0000 | 84.946 | 0.06464 | 0.00000 | 316523.1 | 205229.0 | 100632.1 | S |
| 147.950 | 0.0000 | 0.0000 | 84.945 | 0.06464 | 0.00000 | 316523.1 | 205231.0 | 100632.1 | S |
| 147.958 | 0.0000 | 0.0000 | 84.945 | 0.06463 | 0.00000 | 316523.1 | 205232.9 | 100632.1 | S |
| 147.967 | 0.0000 | 0.0000 | 84.945 | 0.06463 | 0.00000 | 316523.1 | 205234.8 | 100632.1 | S |
| 147.975 | 0.0000 | 0.0000 | 84.945 | 0.06462 | 0.00000 | 316523.1 | 205236.8 | 100632.1 | S |
| 147.983 | 0.0000 | 0.0000 | 84.945 | 0.06462 | 0.00000 | 316523.1 | 205238.7 | 100632.1 | S |
| 147.992 | 0.0000 | 0.0000 | 84.945 | 0.06461 | 0.00000 | 316523.1 | 205240.7 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{n}^{3 / \mathrm{s}}$ ) | Overlow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 148.000 | 0.0000 | 0.0000 | 84.945 | 0.06460 | 0.00000 | 316523.1 | 205242.6 | 100632.1 | S |
| 148.008 | 0.0000 | 0.0000 | 84.944 | 0.06460 | 0.00000 | 316523.1 | 205244.5 | 100632.1 | S |
| 148.017 | 0.0000 | 0.0000 | 84.944 | 0.06459 | 0.00000 | 316523.1 | 205246.5 | 100632.1 | S |
| 148.025 | 0.0000 | 0.0000 | 84.944 | 0.06459 | 0.00000 | 316523.1 | 205248.4 | 100632.1 | S |
| 148.033 | 0.0000 | 0.0000 | 84.944 | 0.06458 | 0.00000 | 316523.1 | 205250.3 | 100632.1 | S |
| 148.042 | 0.0000 | 0.0000 | 84.944 | 0.06457 | 0.00000 | 316523.1 | 205252.3 | 100632.1 | S |
| 148.050 | 0.0000 | 0.0000 | 84.944 | 0.06457 | 0.00000 | 316523.1 | 205254.2 | 100632.1 | S |
| 148.058 | 0.0000 | 0.0000 | 84.943 | 0.06456 | 0.00000 | 316523.1 | 205256.2 | 100632.1 | S |
| 148.067 | 0.0000 | 0.0000 | 84.943 | 0.06456 | 0.00000 | 316523.1 | 205258.1 | 100632.1 | S |
| 148.075 | 0.0000 | 0.0000 | 84.943 | 0.06455 | 0.00000 | 316523.1 | 205260.0 | 100632.1 | S |
| 148.083 | 0.0000 | 0.0000 | 84.943 | 0.06454 | 0.00000 | 316523.1 | 205262.0 | 100632.1 | S |
| 148.092 | 0.0000 | 0.0000 | 84.943 | 0.06454 | 0.00000 | 316523.1 | 205263.9 | 100632.1 | S |
| 148.100 | 0.0000 | 0.0000 | 84.943 | 0.06453 | 0.00000 | 316523.1 | 205265.8 | 100632.1 | S |
| 148.108 | 0.0000 | 0.0000 | 84.943 | 0.06453 | 0.00000 | 316523.1 | 205267.8 | 100632.1 | S |
| 148.117 | 0.0000 | 0.0000 | 84.942 | 0.06452 | 0.00000 | 316523.1 | 205269.7 | 100632.1 | S |
| 148.125 | 0.0000 | 0.0000 | 84.942 | 0.06452 | 0.00000 | 316523.1 | 205271.6 | 100632.1 | S |
| 148.133 | 0.0000 | 0.0000 | 84.942 | 0.06451 | 0.00000 | 316523.1 | 205273.6 | 100632.1 | S |
| 148.142 | 0.0000 | 0.0000 | 84.942 | 0.06450 | 0.00000 | 316523.1 | 205275.5 | 100632.1 | S |
| 148.150 | 0.0000 | 0.0000 | 84.942 | 0.06450 | 0.00000 | 316523.1 | 205277.5 | 100632.1 | S |
| 148.158 | 0.0000 | 0.0000 | 84.942 | 0.06449 | 0.00000 | 316523.1 | 205279.4 | 100632.1 | S |
| 148.167 | 0.0000 | 0.0000 | 84.942 | 0.06449 | 0.00000 | 316523.1 | 205281.3 | 100632.1 | S |
| 148.175 | 0.0000 | 0.0000 | 84.941 | 0.06448 | 0.00000 | 316523.1 | 205283.3 | 100632.1 | S |
| 148.183 | 0.0000 | 0.0000 | 84.941 | 0.06447 | 0.00000 | 316523.1 | 205285.2 | 100632.1 | S |
| 148.192 | 0.0000 | 0.0000 | 84.941 | 0.06447 | 0.00000 | 316523.1 | 205287.1 | 100632.1 | S |
| 148.200 | 0.0000 | 0.0000 | 84.941 | 0.06446 | 0.00000 | 316523.1 | 205289.1 | 100632.1 | S |
| 148.208 | 0.0000 | 0.0000 | 84.941 | 0.06446 | 0.00000 | 316523.1 | 205291.0 | 100632.1 | S |
| 148.217 | 0.0000 | 0.0000 | 84.941 | 0.06445 | 0.00000 | 316523.1 | 205292.9 | 100632.1 | S |
| 148.225 | 0.0000 | 0.0000 | 84.941 | 0.06444 | 0.00000 | 316523.1 | 205294.9 | 100632.1 | S |
| 148.233 | 0.0000 | 0.0000 | 84.940 | 0.06444 | 0.00000 | 316523.1 | 205296.8 | 100632.1 | S |
| 148.242 | 0.0000 | 0.0000 | 84.940 | 0.06443 | 0.00000 | 316523.1 | 205298.7 | 100632.1 | S |
| 148.250 | 0.0000 | 0.0000 | 84.940 | 0.06443 | 0.00000 | 316523.1 | 205300.7 | 100632.1 | S |
| 148.258 | 0.0000 | 0.0000 | 84.940 | 0.06442 | 0.00000 | 316523.1 | 205302.6 | 100632.1 | S |
| 148.267 | 0.0000 | 0.0000 | 84.940 | 0.06442 | 0.00000 | 316523.1 | 205304.5 | 100632.1 | S |
| 148.275 | 0.0000 | 0.0000 | 84.940 | 0.06441 | 0.00000 | 316523.1 | 205306.5 | 100632.1 | S |
| 148.283 | 0.0000 | 0.0000 | 84.940 | 0.06440 | 0.00000 | 316523.1 | 205308.4 | 100632.1 | S |
| 148.292 | 0.0000 | 0.0000 | 84.939 | 0.06440 | 0.00000 | 316523.1 | 205310.3 | 100632.1 | S |
| 148.300 | 0.0000 | 0.0000 | 84.939 | 0.06439 | 0.00000 | 316523.1 | 205312.3 | 100632.1 | S |
| 148.308 | 0.0000 | 0.0000 | 84.939 | 0.06439 | 0.00000 | 316523.1 | 205314.2 | 100632.1 | S |
| 148.317 | 0.0000 | 0.0000 | 84.939 | 0.06438 | 0.00000 | 316523.1 | 205316.1 | 100632.1 | S |
| 148.325 | 0.0000 | 0.0000 | 84.939 | 0.06437 | 0.00000 | 316523.1 | 205318.0 | 100632.1 | S |
| 148.333 | 0.0000 | 0.0000 | 84.939 | 0.06437 | 0.00000 | 316523.1 | 205320.0 | 100632.1 | S |
| 148.342 | 0.0000 | 0.0000 | 84.938 | 0.06436 | 0.00000 | 316523.1 | 205321.9 | 100632.1 | S |
| 148.350 | 0.0000 | 0.0000 | 84.938 | 0.06436 | 0.00000 | 316523.1 | 205323.8 | 100632.1 | S |
| 148.358 | 0.0000 | 0.0000 | 84.938 | 0.06435 | 0.00000 | 316523.1 | 205325.8 | 100632.1 | S |
| 148.367 | 0.0000 | 0.0000 | 84.938 | 0.06434 | 0.00000 | 316523.1 | 205327.7 | 100632.1 | S |
| 148.375 | 0.0000 | 0.0000 | 84.938 | 0.06434 | 0.00000 | 316523.1 | 205329.6 | 100632.1 | S |
| 148.383 | 0.0000 | 0.0000 | 84.938 | 0.06433 | 0.00000 | 316523.1 | 205331.6 | 100632.1 | S |
| 148.392 | 0.0000 | 0.0000 | 84.938 | 0.06433 | 0.00000 | 316523.1 | 205333.5 | 100632.1 | S |
| 148.400 | 0.0000 | 0.0000 | 84.937 | 0.06432 | 0.00000 | 316523.1 | 205335.4 | 100632.1 | S |
| 148.408 | 0.0000 | 0.0000 | 84.937 | 0.06432 | 0.00000 | 316523.1 | 205337.3 | 100632.1 | S |
| 148.417 | 0.0000 | 0.0000 | 84.937 | 0.06431 | 0.00000 | 316523.1 | 205339.3 | 100632.1 | S |
| 148.425 | 0.0000 | 0.0000 | 84.937 | 0.06430 | 0.00000 | 316523.1 | 205341.2 | 100632.1 | S |
| 148.433 | 0.0000 | 0.0000 | 84.937 | 0.06430 | 0.00000 | 316523.1 | 205343.1 | 100632.1 | S |
| 148.442 | 0.0000 | 0.0000 | 84.937 | 0.06429 | 0.00000 | 316523.1 | 205345.1 | 100632.1 | S |
| 148.450 | 0.0000 | 0.0000 | 84.937 | 0.06429 | 0.00000 | 316523.1 | 205347.0 | 100632.1 | S |
| 148.458 | 0.0000 | 0.0000 | 84.936 | 0.06428 | 0.00000 | 316523.1 | 205348.9 | 100632.1 | S |
| 148.467 | 0.0000 | 0.0000 | 84.936 | 0.06427 | 0.00000 | 316523.1 | 205350.9 | 100632.1 | S |
| 1.48 .475 | 0.0000 | 0.0000 | 84.936 | 0.06427 | 0.00000 | 316523.1 | 205352.8 | 100632.1 | S |
| 148.483 | 0.0000 | 0.0000 | 84.936 | 0.06426 | 0.00000 | 316523.1 | 205354.7 | 100632.1 | S |
| 148.492 | 0.0000 | 0.0000 | 84.936 | 0.06426 | 0.00000 | 316523.1 | 205356.6 | 100632.1 | S |
| 148.500 | 0.0000 | 0.0000 | 84.936 | 0.06425 | 0.00000 | 316523.1 | 205358.6 | 100632.1 | S |
| 148.508 | 0.0000 | 0.0000 | 84.936 | 0.06425 | 0.00000 | 316523.1 | 205360.5 | 100632.1 | S |
| 148.517 | 0.0000 | 0.0000 | 84.935 | 0.06424 | 0.00000 | 316523.1 | 205362.4 | 100632.1 | S |
| 148.525 | 0.0000 | 0.0000 | 84.935 | 0.06423 | 0.00000 | 316523.1 | 205364.3 | 100632.1 | S |
| 148.533 | 0.0000 | 0.0000 | 84.935 | 0.06423 | 0.00000 | 316523.1 | 205366.3 | 100632.1 | S |
| 148.542 | 0.0000 | 0.0000 | 84.935 | 0.06422 | 0.00000 | 316523.1 | 205368.2 | 100632.1 | S |
| 148.550 | 0.0000 | 0.0000 | 84.935 | 0.06422 | 0.00000 | 316523.1 | 205370.1 | 100632.1 | S |
| 148.558 | 0.0000 | 0.0000 | 84.935 | 0.06421 | 0.00000 | 316523.1 | 205372.0 | 100632.1 | S |
| 148.567 | 0.0000 | 0.0000 | 84.935 | 0.06420 | 0.00000 | 316523.1 | 205374.0 | 100632.1 | S |
| 148.575 | 0.0000 | 0.0000 | 84.934 | 0.06420 | 0.00000 | 316523.1 | 205375.8 | 100632.1 | S |
| 148.583 | 0.0000 | 0.0000 | 84.934 | 0.06419 | 0.00000 | $3 \uparrow 6523.1$ | 205377.8 | 100632.1 | S |
| 148.592 | 0.0000 | 0.0000 | 84.934 | 0.06419 | 0.00000 | 316523.1 | 205379.8 | 100632.1 | S |
| 148.600 | 0.0000 | 0.0000 | 84.934 | 0.06418 | 0.00000 | 316523.1 | 205381.7 | 100632.1 | S |
| 148.608 | 0.0000 | 0.0000 | 84.934 | 0.06417 | 0.00000 | 316523.1 | 205383.6 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | infiltration Rate ( $\mathrm{ft}^{3 / 5}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | $\begin{aligned} & \text { Flow } \\ & \text { Type } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 148.617 | 0.0000 | 0.0000 | 84.934 | 0.06417 | 0.00000 | 316523.1 | 205385.5 | 100632.1 | S |
| 148.625 | 0.0000 | 0.0000 | 84.933 | 0.06416 | 0.00000 | 316523.1 | 205387.5 | 100632.1 | S |
| 148.633 | 0.0000 | 0.0000 | 84.933 | 0.06416 | 0.00000 | 316523.1 | 205389.4 | 100632.1 | S |
| 148.642 | 0.0000 | 0.0000 | 84.933 | 0.06415 | 0.00000 | 316523.1 | 205391.3 | 100632.1 | S |
| 148.650 | 0.0000 | 0.0000 | 84.933 | 0.06415 | 0.00000 | 316523.1 | 205393.2 | 100632.1 | S |
| 148.658 | 0.0000 | 0.0000 | 84.933 | 0.06414 | 0.00000 | 316523.1 | 205395.2 | 100632.1 | S |
| 148.667 | 0.0000 | 0.0000 | 84.933 | 0.06413 | 0.00000 | 316523.1 | 205397.1 | 100632.1 | S |
| 148.675 | 0.0000 | 0.0000 | 84.933 | 0.06413 | 0.00000 | 316523.1 | 205399.0 | 100632.1 | S |
| 148.683 | 0.0000 | 0.0000 | 84.932 | 0.06412 | 0.00000 | 316523.1 | 205400.9 | 100632.1 | S |
| 148.692 | 0.0000 | 0.0000 | 84.932 | 0.06412 | 0.00000 | 316523.1 | 205402.8 | 100632.1 | S |
| 148.700 | 0.0000 | 0.0000 | 84.932 | 0.06411 | 0.00000 | 316523.1 | 205404.8 | 100832.1 | S |
| 148.708 | 0.0000 | 0.0000 | 84.932 | 0.06410 | 0.00000 | 316523.1 | 205406.7 | 100632.1 | S |
| 148.717 | 0.0000 | 0.0000 | 84.932 | 0.06410 | 0.00000 | 316523.1 | 205408.6 | 100632.1 | S |
| 148.725 | 0.0000 | 0.0000 | 84.932 | 0.06409 | 0.00000 | 316523.1 | 205410.5 | 100632.1 | S |
| 148.733 | 0.0000 | 0.0000 | 84.932 | 0.06409 | 0.00000 | 316523.1 | 205412.5 | 100632.1 | S |
| 148.742 | 0.0000 | 0.0000 | 84.931 | 0.06408 | 0.00000 | 316523.1 | 205414.4 | 100632.1 | S |
| 148.750 | 0.0000 | 0.0000 | 84.931 | 0.06408 | 0.00000 | 316523.1 | 205416.3 | 100632.1 | S |
| 148.758 | 0.0000 | 0.0000 | 84.931 | 0.06407 | 0.00000 | 316523.1 | 205418.2 | 100632.1 | S |
| 148.767 | 0.0000 | 0.0000 | 84.931 | 0.06406 | 0.00000 | 316523.1 | 205420.2 | 100632.1 | S |
| 148.775 | 0.0000 | 0.0000 | 84.931 | 0.06406 | 0.00000 | 316523.1 | 205422.1 | 100632.1 | S |
| 148.783 | 0.0000 | 0.0000 | 84.931 | 0.06405 | 0.00000 | 316523.1 | 205424.0 | 100632.1 | S |
| 148.792 | 0.0000 | 0.0000 | 84.931 | 0.06405 | 0.00000 | 316523.1 | 205425.9 | 100632.1 | S |
| 148.800 | 0.0000 | 0.0000 | 84.930 | 0.06404 | 0.00000 | 316523.1 | 205427.8 | 100632.1 | S |
| 148.808 | 0.0000 | 0.0000 | 84.930 | 0.06403 | 0.00000 | 316523.1 | 205429.8 | 100632.1 | S |
| 148.817 | 0.0000 | 0.0000 | 84.930 | 0.06403 | 0.00000 | 316523.1 | 205431.7 | 100632.1 | S |
| 148.825 | 0.0000 | 0.0000 | 84.930 | 0.06402 | 0.00000 | 316523.1 | 205433.6 | 100632.1 | S |
| 148.833 | 0.0000 | 0.0000 | 84.930 | 0.06402 | 0.00000 | 316523.1 | 205435.5 | 100632.1 | S |
| 148.842 | 0.0000 | 0.0000 | 84.930 | 0.06401 | 0.00000 | 316523.1 | 205437.4 | 100632.1 | S |
| 148.850 | 0.0000 | 0.0000 | 84.930 | 0.06401 | 0.00000 | 316523.1 | 205439.4 | 100632.1 | S |
| 148.858 | 0.0000 | 0.0000 | 84.929 | 0.06400 | 0.00000 | 316523.1 | 205441.3 | 100632.1 | S |
| 148.867 | 0.0000 | 0.0000 | 84.929 | 0.06399 | 0.00000 | 316523.1 | 205443.2 | 100632.1 | S |
| 148.875 | 0.0000 | 0.0000 | 84.929 | 0.06399 | 0.00000 | 316523.1 | 205445.1 | 100632.1 | S |
| 148.883 | 0.0000 | 0.0000 | 84.929 | 0.06398 | 0.00000 | 316523.1 | 205447.0 | 100632.1 | S |
| 148.892 | 0.0000 | 0.0000 | 84.929 | 0.06398 | 0.00000 | 316523.1 | 205449.0 | 100632.1 | S |
| 148.900 | 0.0000 | 0.0000 | 84.929 | 0.06397 | 0.00000 | 316523.1 | 205450.9 | 100632.1 | S |
| 148.908 | 0.0000 | 0.0000 | 84.929 | 0.06396 | 0.00000 | 316523.1 | 205452.8 | 100632.1 | S |
| 148.917 | 0.0000 | 0.0000 | 84.928 | 0.06396 | 0.00000 | 316523.1 | 205454.7 | 100632.1 | S |
| 148.925 | 0.0000 | 0.0000 | 84.928 | 0.06395 | 0.00000 | 316523.1 | 205456.6 | 100632.1 | S |
| 148.933 | 0.0000 | 0.0000 | 84.928 | 0.06395 | 0.00000 | 316523.1 | 205458.6 | 100632.1 | S |
| 148.942 | 0.0000 | 0.0000 | 84.928 | 0.06394 | 0.00000 | 316523.1 | 205460.5 | 100632.7 | S |
| 148.950 | 0.0000 | 0.0000 | 84.928 | 0.06394 | 0.00000 | 316523.1 | 205462.4 | 100632.1 | S |
| 148.958 | 0.0000 | 0.0000 | 84.928 | 0.06393 | 0.00000 | 316523.1 | 205464.3 | 100632.1 | S |
| 148.967 | 0.0000 | 0.0000 | 84.928 | 0.06392 | 0.00000 | 316523.1 | 205466.2 | 100632.1 | S |
| 148.975 | 0.0000 | 0.0000 | 84.927 | 0.06392 | 0.00000 | 316523.1 | 205468.1 | 100632.1 | S |
| 148.983 | 0.0000 | 0.0000 | 84.927 | 0.06391 | 0.00000 | 316523. 1 | 205470.1 | 100632.1 | S |
| 148.992 | 0.0000 | 0.0000 | 84.927 | 0.06391 | 0.00000 | 316523.1 | 205472.0 | 100632.1 | S |
| 149.000 | 0.0000 | 0.0000 | 84.927 | 0.06390 | 0.00000 | 316523.1 | 205473.9 | 100632.1 | S |
| 149.008 | 0.0000 | 0.0000 | 84.927 | 0.06389 | 0.00000 | 316523.1 | 205475.8 | 100632.1 | S |
| 149.017 | 0.0000 | 0.0000 | 84.927 | 0.06389 | 0.00000 | 316523.1 | 205477.7 | 100632.1 | S |
| 149.025 | 0.0000 | 0.0000 | 84.926 | 0.06388 | 0.00000 | 316523.1 | 205479.7 | 100632.1 | S |
| 149.033 | 0.0000 | 0.0000 | 84.926 | 0.06388 | 0.00000 | 316523.1 | 205481.6 | 100632.1 | S |
| 149.042 | 0.0000 | 0.0000 | 84.926 | 0.06387 | 0.00000 | 316523.1 | 205483.5 | 100632.7 | S |
| 149.050 | 0.0000 | 0.0000 | 84.926 | 0.06387 | 0.00000 | 316523.1 | 205485.4 | 100632.1 | S |
| 149.058 | 0.0000 | 0.0000 | 84.926 | 0.06386 | 0.00000 | 316523.1 | 205487.3 | 100632.1 | S |
| 149.067 | 0.0000 | 0.0000 | 84.926 | 0.06385 | 0.00000 | 316523.1 | 205489.2 | 100632.1 | S |
| 149.075 | 0.0000 | 0.0000 | 84.926 | 0.06385 | 0.00000 | 316523.1 | 205491.1 | 100632.1 | S |
| 149.083 | 0.0000 | 0.0000 | 84.925 | 0.06384 | 0.00000 | 316523.1 | 205493.1 | 100632.1 | S |
| 149.092 | 0.0000 | 0.0000 | 84.925 | 0.06384 | 0.00000 | 316523.1 | 205495.0 | 100632.1 | S |
| 149.100 | 0.0000 | 0.0000 | 84.925 | 0.06383 | 0.00000 | 316523.1 | 205496.9 | 100632.1 | S |
| 149.108 | 0.0000 | 0.0000 | 84.925 | 0.06382 | 0.00000 | 316523.1 | 205498.8 | 100632.1 | S |
| 149.117 | 0.0000 | 0.0000 | 84.925 | 0.06382 | 0.00000 | 316523.1 | 205500.7 | 100632.1 | S |
| 149.125 | 0.0000 | 0.0000 | 84.925 | 0.06381 | 0.00000 | 316523.1 | 205502.6 | 100632.1 | S |
| 149.133 | 0.0000 | 0.0000 | 84.925 | 0.06381 | 0.00000 | 316523.1 | 205504.5 | 100632.1 | S |
| 149.142 | 0.0000 | 0.0000 | 84.924 | 0.06380 | 0.00000 | 316523.1 | 205506.5 | 100632.1 | S |
| 149.150 | 0.0000 | 0.0000 | 84.924 | 0.06380 | 0.00000 | 316523.1 | 205508.4 | 100632.1 | S |
| 149.158 | 0.0000 | 0.0000 | 84.924 | 0.06379 | 0.00000 | 316523.1 | 205510.3 | 100632.1 | S |
| 149.167 | 0.0000 | 0.0000 | 84.924 | 0.06378 | 0.00000 | 316523.1 | 205512.2 | 100632.1 | S |
| 149.175 | 0.0000 | 0.0000 | 84.924 | 0.06378 | 0.00000 | 316523.1 | 205514.1 | 100632.1 | S |
| 149.183 | 0.0000 | 0.0000 | 84.924 | 0.06377 | 0.00000 | 316523.1 | 205516.0 | 100632.1 | S |
| 149.192 | 0.0000 | 0.0000 | 84.924 | 0.06377 | 0.00000 | 316523.1 | 205517.9 | 100632.1 | S |
| 149.200 | 0.0000 | 0.0000 | 84.923 | 0.06376 | 0.00000 | 316523.1 | 205519.9 | 100632.1 | S |
| 149.208 | 0.0000 | 0.0000 | 84.923 | 0.06375 | 0.00000 | 316523.1 | 205521.8 | 100632.1 | S |
| 149.217 | 0.0000 | 0.0000 | 84.923 | 0.06375 | 0.00000 | $3 \uparrow 6523.1$ | 205523.7 | 100632.1 | S |
| 149.225 | 0.0000 | 0.0000 | 84.923 | 0.06374 | 0.00000 | 316523.1 | 205525.6 | 100632.1 | S |

Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / 5}$ ) | Outside Recharge (fl/day) | Stage Elevation (ft datum) | Infiltration Rate (ft ${ }^{3 / s}$ ) | Overtiow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative <br> Discharge <br> Volume ( $\mathrm{f}^{3}$ ) | $\begin{aligned} & \text { Flow } \\ & \text { Type } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 149.233 | 0.0000 | 0.0000 | 84.923 | 0.06374 | 0.00000 | 316523.1 | 205527.5 | 100632.1 | S |
| 149.242 | 0.0000 | 0.0000 | 84.923 | 0.06373 | 0.00000 | 316523.1 | 205529.4 | 100632.1 | S |
| 149.250 | 0.0000 | 0.0000 | 84.923 | 0.06373 | 0.00000 | 316523.1 | 205531.3 | 100632.1 | S |
| 149.258 | 0.0000 | 0.0000 | 84.922 | 0.06372 | 0.00000 | 316523.1 | 205533.3 | 100632.1 | S |
| 149.267 | 0.0000 | 0.0000 | 84.922 | 0.06371 | 0.00000 | 316523.1 | 205535.2 | 100632.1 | S |
| 149.275 | 0.0000 | 0.0000 | 84.922 | 0.06371 | 0.00000 | 316523.1 | 205537.1 | 100632.1 | S |
| 149.283 | 0.0000 | 0.0000 | 84.922 | 0.06370 | 0.00000 | 316523.1 | 205539.0 | 100632.1 | S |
| 149.292 | 0.0000 | 0.0000 | 84.922 | 0.06370 | 0.00000 | 316523.1 | 205540.9 | 100632.1 | S |
| 149.300 | 0.0000 | 0.0000 | 84.922 | 0.06369 | 0.00000 | 316523.1 | 205542.8 | 100632.1 | S |
| 149.308 | 0.0000 | 0.0000 | 84.922 | 0.06369 | 0.00000 | 316523.1 | 205544.7 | 100632.1 | S |
| 149.317 | 0.0000 | 0.0000 | 84.921 | 0.06368 | 0.00000 | 316523.1 | 205546.6 | 100632.1 | S |
| 149.325 | 0.0000 | 0.0000 | 84.921 | 0.06367 | 0.00000 | 316523.1 | 205548.5 | 100632.1 | S |
| 149.333 | 0.0000 | 0.0000 | 84.921 | 0.06367 | 0.00000 | 316523.1 | 205550.4 | 100632.1 | S |
| 149.342 | 0.0000 | 0.0000 | 84.921 | 0.06366 | 0.00000 | 316523.1 | 205552.3 | 100632.1 | S |
| 149.350 | 0.0000 | 0.0000 | 84.921 | 0.06366 | 0.00000 | 316523.1 | 205554.3 | 100632.1 | S |
| 149.358 | 0.0000 | 0.0000 | 84.921 | 0.06365 | 0.00000 | 316523.1 | 205556.2 | 100632.1 | S |
| 149.367 | 0.0000 | 0.0000 | 84.920 | 0.06364 | 0.00000 | 316523.1 | 205558.1 | 100632.1 | S |
| 149.375 | 0.0000 | 0.0000 | 84.920 | 0.06364 | 0.00000 | 316523.1 | 205560.0 | 100632.1 | S |
| 149.383 | 0.0000 | 0.0000 | 84.920 | 0.06363 | 0.00000 | 316523.1 | 205561.9 | 100632.1 | S |
| 149.392 | 0.0000 | 0.0000 | 84.920 | 0.06363 | 0.00000 | 316523.1 | 205563.8 | 100632.1 | S |
| 149.400 | 0.0000 | 0.0000 | 84.920 | 0.06362 | 0.00000 | 316523.1 | 205565.7 | 100632.1 | S |
| 149.408 | 0.0000 | 0.0000 | 84.920 | 0.06362 | 0.00000 | 316523.1 | 205567.6 | 100632.1 | S |
| 149.417 | 0.0000 | 0.0000 | 84.920 | 0.06361 | 0.00000 | 316523.1 | 205569.5 | 100632.1 | S |
| 149.425 | 0.0000 | 0.0000 | 84.919 | 0.06360 | 0.00000 | 316523.1 | 205571.4 | 100632.1 | S |
| 149.433 | 0.0000 | 0.0000 | 84.919 | 0.06360 | 0.00000 | 316523.1 | 205573.3 | 100632.1 | S |
| 149.442 | 0.0000 | 0.0000 | 84.919 | 0.06359 | 0.00000 | 316523.1 | 205575.3 | 100632.1 | S |
| 149.450 | 0.0000 | 0.0000 | 84.919 | 0,06359 | 0.00000 | 316523.1 | 205577.2 | 100632.1 | S |
| 149.458 | 0.0000 | 0.0000 | 84.919 | 0.06358 | 0.00000 | 316523.1 | 205579.1 | 100632.1 | S |
| 149.467 | 0.0000 | 0.0000 | 84.919 | 0.06357 | 0.00000 | 316523.1 | 205581.0 | 100632.1 | S |
| 149.475 | 0.0000 | 0.0000 | 84.919 | 0.06357 | 0.00000 | 316523.1 | 205582.9 | 100632.1 | S |
| 149.483 | 0.0000 | 0.0000 | 84.918 | 0.06356 | 0.00000 | 316523.1 | 205584.8 | 100632.1 | S |
| 149.492 | 0.0000 | 0.0000 | 84.918 | 0.06356 | 0.00000 | 316523.1 | 205586.7 | 100632.1 | S |
| 149.500 | 0.0000 | 0.0000 | 84.918 | 0.06355 | 0.00000 | 316523.1 | 205588.6 | 100632.1 | S |
| 149.508 | 0.0000 | 0.0000 | 84.918 | 0.06355 | 0.00000 | 316523.1 | 205590.5 | 100632.1 | S |
| 149.517 | 0.0000 | 0.0000 | 84.918 | 0.06354 | 0.00000 | $3 \ddagger 6523.1$ | 205592.4 | 100632.1 | S |
| 149.525 | 0.0000 | 0.0000 | 84.918 | 0.06353 | 0.00000 | 316523.1 | 205594.3 | 100632.1 | S |
| 149.533 | 0.0000 | 0.0000 | 84.918 | 0.06353 | 0.00000 | 316523.1 | 205596.2 | 100632.1 | S |
| 149.542 | 0.0000 | 0.0000 | 84.917 | 0.06352 | 0.00000 | 316523.1 | 205598.1 | 100632.1 | S |
| 149.550 | 0.0000 | 0.0000 | 84.917 | 0.08352 | 0.00000 | 316523.1 | 205600.0 | 100632.1 | S |
| 149.558 | 0.0000 | 0.0000 | 84.917 | 0.06351 | 0.00000 | 316523.1 | 205602.0 | 100632.1 | S |
| 149.567 | 0.0000 | 0.0000 | 84.917 | 0.06351 | 0.00000 | 316523.1 | 205603.9 | 100632.1 | S |
| 149.575 | 0.0000 | 0.0000 | 84.917 | 0.06350 | 0.00000 | 316523.1 | 205605.8 | 100632.1 | S |
| 149.583 | 0.0000 | 0.0000 | 84.917 | 0.06349 | 0.00000 | 316523.1 | 205607.7 | 100632.1 | S |
| 149.592 | 0.0000 | 0.0000 | 84.917 | 0.06349 | 0.00000 | 316523.1 | 205609.6 | 100632.1 | S |
| 149.600 | 0.0000 | 0.0000 | 84.916 | 0.06348 | 0.00000 | 316523.1 | 205611.5 | 100632.1 | S |
| 149.608 | 0.0000 | 0.0000 | 84.916 | 0.06348 | 0.00000 | 316523.1 | 205613.4 | 100632.1 | S |
| 149.617 | 0.0000 | 0.0000 | 84.916 | 0.06347 | 0.00000 | 316523.1 | 205615.3 | 100632.1 | S |
| 149.625 | 0.0000 | 0.0000 | 84.916 | 0.06346 | 0.00000 | 316523.1 | 205617.2 | 100632.1 | S |
| 149.633 | 0.0000 | 0.0000 | 84.916 | 0.06346 | 0.00000 | 316523.1 | 205619.1 | 100632.1 | S |
| 149.642 | 0.0000 | 0.0000 | 84.916 | 0.06345 | 0.00000 | 316523.1 | 205621.0 | 100632.1 | S |
| 149.650 | 0.0000 | 0.0000 | 84.916 | 0.06345 | 0.00000 | 316523.1 | 205622.9 | 100632.1 | S |
| 149.658 | 0.0000 | 0.0000 | 84.915 | 0.06344 | 0.00000 | 316523.1 | 205624.8 | 100632.1 | S |
| 149.667 | 0.0000 | 0.0000 | 84.915 | 0.06344 | 0.00000 | 316523.1 | 205626.7 | 100632.1 | S |
| 149.675 | 0.0000 | 0.0000 | 84.915 | 0.06343 | 0.00000 | 316523.1 | 205628.6 | 100632.1 | S |
| 149.683 | 0.0000 | 0.0000 | 84.915 | 0.06342 | 0.00000 | 316523.1 | 205630.5 | 100632.1 | S |
| 149.692 | 0.0000 | 0.0000 | 84.915 | 0.06342 | 0.00000 | 316523.1 | 205632.4 | 100632.1 | S |
| 149.700 | 0.0000 | 0.0000 | 84.915 | 0.06341 | 0.00000 | 316523.1 | 205634.3 | 100632.1 | S |
| 149.708 | 0.0000 | 0.0000 | 84.915 | 0.06341 | 0.00000 | 316523.1 | 205636.2 | 100632.1 | S |
| 149.717 | 0.0000 | 0.0000 | 84.914 | 0.06340 | 0.00000 | 316523.1 | 205638.1 | 100632.1 | S |
| 149.725 | 0.0000 | 0.0000 | 84.914 | 0.06340 | 0.00000 | 316523.1 | 205640.0 | 100632.1 | S |
| 149.733 | 0.0000 | 0.0000 | 84.914 | 0.06339 | 0.00000 | 316523.1 | 205641.9 | 100632.1 | S |
| 149.742 | 0.0000 | 0.0000 | 84.914 | 0.06338 | 0.00000 | 316523.1 | 205643.8 | 100632.1 | S |
| 149.750 | 0.0000 | 0.0000 | 84.914 | 0.06338 | 0.00000 | 316523.1 | 205645.7 | 100632.1 | S |
| 149.758 | 0.0000 | 0.0000 | 84.914 | 0.06337 | 0.00000 | 316523.1 | 205647.6 | 100632.1 | S |
| 149.767 | 0.0000 | 0.0000 | 84.913 | 0.06337 | 0.00000 | 316523.1 | 205649.5 | 100632.7 | S |
| 149.775 | 0.0000 | 0.0000 | 84.913 | 0.06336 | 0.00000 | 316523.1 | 205651.4 | 100632.1 | S |
| 149.783 | 0.0000 | 0.0000 | 84.913 | 0.06336 | 0.00000 | 316523.1 | 205653.3 | 100632.1 | S |
| 149.792 | 0.0000 | 0.0000 | 84.913 | 0.06335 | 0.00000 | 316523.1 | 205655.2 | 100632.1 | S |
| 149.800 | 0.0000 | 0.0000 | 84.913 | 0.06334 | 0.00000 | 316523.1 | 205657.1 | 100632.1 | S |
| 149.808 | 0.0000 | 0.0000 | 84.913 | 0.06334 | 0.00000 | 316523.1 | 205659.0 | 100632.1 | S |
| 149.817 | 0.0000 | 0.0000 | 84.913 | 0.06333 | 0.00000 | 316523.1 | 205660.9 | 100632.1 | S |
| 149.825 | 0.0000 | 0.0000 | 84.912 | 0.06333 | 0.00000 | 316523.1 | 205662.8 | 100632.1 | S |
| 149.833 | 0.0000 | 0.0000 | 84.912 | 0.06332 | 0.00000 | 316523.1 | 205664.7 | 100632.1 | S |
| 149.842 | 0.0000 | 0.0000 | 84.912 | 0.06331 | 0.00000 | 316523.1 | 205666.6 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (Ht datum) | Infiltration Rate ( $\mathrm{fl}^{3 / 5}$ ) | Overflow Discharge ( $\mathrm{f}^{3 / 5}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 149.850 | 0.0000 | 0.0000 | 84.912 | 0.06331 | 0.00000 | 316523.1 | 205668.5 | 100632.1 | S |
| 149.858 | 0.0000 | 0.0000 | 84.912 | 0.06330 | 0.00000 | 316523.1 | 205670.4 | 100632.1 | S |
| 149.867 | 0.0000 | 0.0000 | 84.912 | 0.06330 | 0.00000 | 316523.1 | 205672.3 | 100632.1 | S |
| 149.875 | 0.0000 | 0.0000 | 84.912 | 0.06329 | 0.00000 | 316523.1 | 205674.2 | 100632.1 | S |
| 149.883 | 0.0000 | 0.0000 | 84.911 | 0.06329 | 0.00000 | 316523.1 | 205676.1 | 100632.1 | S |
| 149.892 | 0.0000 | 0.0000 | 84.911 | 0.06328 | 0.00000 | 316523.1 | 205678.0 | 100632.1 | S |
| 149.900 | 0.0000 | 0.0000 | 84.911 | 0.06327 | 0.00000 | 316523.1 | 205679.9 | 100632.1 | S |
| 149.908 | 0.0000 | 0.0000 | 84.911 | 0.06327 | 0.00000 | 316523.7 | 205681.8 | 100632.1 | S |
| 149.917 | 0.0000 | 0.0000 | 84.911 | 0.06326 | 0.00000 | 316523.1 | 205683.7 | 100632.1 | S |
| 149.925 | 0.0000 | 0.0000 | 84.911 | 0.06326 | 0.00000 | 316523.1 | 205685.6 | 100632.1 | S |
| 149.933 | 0.0000 | 0.0000 | 84.911 | 0.06325 | 0.00000 | 316523.1 | 205687.5 | 100632.1 | S |
| 149.942 | 0.0000 | 0.0000 | 84.910 | 0.06325 | 0.00000 | 316523.1 | 205689.4 | 100632.1 | S |
| 149.950 | 0.0000 | 0.0000 | 84.910 | 0.06324 | 0.00000 | 316523.1 | 205691.3 | 100632.1 | S |
| 149.958 | 0.0000 | 0.0000 | 84.910 | 0.06323 | 0.00000 | 316523.1 | 205693.2 | 100632.1 | S |
| 149.967 | 0.0000 | 0.0000 | 84.910 | 0.06323 | 0.00000 | 316523.1 | 205695.1 | 100632.1 | S |
| 149.975 | 0.0000 | 0.0000 | 84.910 | 0.06322 | 0.00000 | 316523.1 | 205697.0 | 100632.1 | S |
| 149.983 | 0.0000 | 0.0000 | 84.910 | 0.06322 | 0.00000 | 316523.1 | 205698.9 | 100632.1 | S |
| 149.992 | 0.0000 | 0.0000 | 84.910 | 0.06321 | 0.00000 | 316523.1 | 205700.8 | 100632.1 | S |
| 150.000 | 0.0000 | 0.0000 | 84.909 | 0.06321 | 0.00000 | 316523.1 | 205702.7 | 100632.1 | S |
| 150.008 | 0.0000 | 0.0000 | 84.909 | 0.06320 | 0.00000 | 316523.1 | 205704.6 | 100632.1 | S |
| 150.017 | 0.0000 | 0.0000 | 84.909 | 0.06319 | 0.00000 | 316523.1 | 205706.5 | 100632.1 | S |
| 150.025 | 0.0000 | 0.0000 | 84.909 | 0.06319 | 0.00000 | 316523.1 | 205708.4 | 100632.1 | S |
| 150.033 | 0.0000 | 0.0000 | 84.909 | 0.06318 | 0.00000 | 316523.1 | 205710.3 | 100632.1 | S |
| 150.042 | 0.0000 | 0.0000 | 84.909 | 0.06318 | 0.00000 | 316523.1 | 205712.2 | 100632.1 | S |
| 150.050 | 0.0000 | 0.0000 | 84.909 | 0.06317 | 0.00000 | 316523.1 | 205714.1 | 100632.1 | S |
| 150.058 | 0.0000 | 0.0000 | 84.908 | 0.06316 | 0.00000 | 316523.1 | 205716.0 | 100632.1 | S |
| 150.067 | 0.0000 | 0.0000 | 84.908 | 0.06316 | 0.00000 | 316523.1 | 205717.8 | 100632.1 | S |
| 150.075 | 0.0000 | 0.0000 | 84.908 | 0.06315 | 0.00000 | 316523.1 | 205719.8 | 100632.1 | S |
| 150.083 | 0.0000 | 0.0000 | 84.908 | 0.06315 | 0.00000 | 316523.1 | 205721.6 | 100632.1 | S |
| 150.092 | 0.0000 | 0.0000 | 84.908 | 0.06314 | 0.00000 | 316523.1 | 205723.5 | 100632.1 | S |
| 150.100 | 0.0000 | 0.0000 | 84.908 | 0.06314 | 0.00000 | 316523.1 | 205725.4 | 100632.1 | S |
| 150.108 | 0.0000 | 0.0000 | 84.908 | 0.06313 | 0.00000 | 316523.1 | 205727.3 | 100632.1 | S |
| 150.117 | 0.0000 | 0.0000 | 84.907 | 0.06312 | 0.00000 | 316523.1 | 205729.2 | 100632.1 | S |
| 150.125 | 0.0000 | 0.0000 | 84.907 | 0.06312 | 0.00000 | 316523.1 | 205731.1 | 100632.1 | S |
| 150.133 | 0.0000 | 0.0000 | 84.907 | 0.06311 | 0.00000 | 316523.1 | 205733.0 | 100632.1 | S |
| 150.142 | 0.0000 | 0.0000 | 84.907 | 0.06311 | 0.00000 | 316523.1 | 205734.9 | 100632.1 | S |
| 150.150 | 0.0000 | 0.0000 | 84.907 | 0.06310 | 0.00000 | 316523.1 | 205736.8 | 100632.1 | S |
| 150.158 | 0.0000 | 0.0000 | 84.907 | 0.06310 | 0.00000 | 316523.1 | 205738.7 | 100632.1 | S |
| 150.167 | 0.0000 | 0.0000 | 84.907 | 0.06309 | 0.00000 | 316523.1 | 205740.6 | 100632.1 | S |
| 150.175 | 0.0000 | 0.0000 | 84.906 | 0.06308 | 0.00000 | 316523.1 | 205742.5 | 100632.1 | S |
| 150.183 | 0.0000 | 0.0000 | 84.906 | 0.06308 | 0.00000 | 316523.1 | 205744.4 | 100632.1 | S |
| 150.192 | 0.0000 | 0.0000 | 84.906 | 0.06307 | 0.00000 | 316523.1 | 205746.3 | 100632.1 | S |
| 150.200 | 0.0000 | 0.0000 | 84.906 | 0.06307 | 0.00000 | 316523.1 | 205748.1 | 100632.1 | S |
| 150.208 | 0.0000 | 0.0000 | 84.906 | 0.06306 | 0.00000 | 316523.1 | 205750.0 | 100632.1 | S |
| 150.217 | 0.0000 | 0.0000 | 84.906 | 0.06306 | 0.00000 | 316523.1 | 205751.9 | 100632.1 | S |
| 150.225 | 0.0000 | 0.0000 | 84.906 | 0.06305 | 0.00000 | 316523.1 | 205753.8 | 100632.1 | S |
| 150.233 | 0.0000 | 0.0000 | 84.905 | 0.06304 | 0.00000 | 316523.1 | 205755.7 | 100632.1 | S |
| 150.242 | 0.0000 | 0.0000 | 84.905 | 0.06304 | 0.00000 | 316523.1 | 205757.6 | 100632.1 | S |
| 150.250 | 0.0000 | 0.0000 | 84.905 | 0.06303 | 0.00000 | 316523.1 | 205759.5 | 100632.1 | S |
| 150.258 | 0.0000 | 0.0000 | 84.905 | 0.06303 | 0.00000 | 316523.1 | 205761.4 | 100632.1 | S |
| 150.267 | 0.0000 | 0.0000 | 84.905 | 0.06302 | 0.00000 | 316523.1 | 205763.3 | 100632.1 | S |
| 150.275 | 0.0000 | 0.0000 | 84.905 | 0.06302 | 0.00000 | 316523.1 | 205765.2 | 100632.1 | S |
| 150.283 | 0.0000 | 0.0000 | 84.904 | 0.06301 | 0.00000 | 316523.1 | 205767.1 | 100632.1 | S |
| 150.292 | 0.0000 | 0.0000 | 84.904 | 0.06300 | 0.00000 | 316523.1 | 205769.0 | 100632.1 | S |
| 150.300 | 0.0000 | 0.0000 | 84.904 | 0.06300 | 0.00000 | 316523.1 | 205770.8 | 100632.1 | S |
| 150.308 | 0.0000 | 0.0000 | 84.904 | 0.06299 | 0.00000 | 316523.1 | 205772.7 | 100632.1 | S |
| 150.317 | 0.0000 | 0.0000 | 84.904 | 0.06299 | 0.00000 | 316523.1 | 205774.6 | 100632.1 | S |
| 150.325 | 0.0000 | 0.0000 | 84.904 | 0.06298 | 0.00000 | 316523.1 | 205776.5 | 100632.7 | S |
| 150.333 | 0.0000 | 0.0000 | 84.904 | 0.06298 | 0.00000 | 316523.1 | 205778.4 | 100632.1 | S |
| 150.342 | 0.0000 | 0.0000 | 84.903 | 0.06297 | 0.00000 | 316523.1 | 205780.3 | 100632.1 | S |
| 150.350 | 0.0000 | 0.0000 | 84.903 | 0.06296 | 0.00000 | 316523.1 | 205782.2 | 100632.1 | S |
| 150.358 | 0.0000 | 0.0000 | 84.903 | 0.06296 | 0.00000 | 316523.1 | 205784.1 | 100632.1 | S |
| 150.367 | 0.0000 | 0.0000 | 84.903 | 0.06295 | 0.00000 | 316523.1 | 205786.0 | 100632.1 | S |
| 150.375 | 0.0000 | 0.0000 | 84.903 | 0.06295 | 0.00000 | 316523.1 | 205787.8 | 100632.1 | S |
| 150.383 | 0.0000 | 0.0000 | 84.903 | 0.06294 | 0.00000 | 316523.1 | 205789.7 | 100632.1 | S |
| 150.392 | 0.0000 | 0.0000 | 84.903 | 0.06294 | 0.00000 | 316523.1 | 205791.6 | 100632.1 | S |
| 150.400 | 0.0000 | 0.0000 | 84.902 | 0.06293 | 0.00000 | 316523.1 | 205793.5 | 100632.1 | S |
| 150.408 | 0.0000 | 0.0000 | 84.902 | 0.06292 | 0.00000 | 316523.1 | 205795.4 | 100632.1 | S |
| 150.417 | 0.0000 | 0.0000 | 84.902 | 0.06292 | 0.00000 | 316523.1 | 205797.3 | 100632.1 | S |
| 150.425 | 0.0000 | 0.0000 | 84.902 | 0.06291 | 0.00000 | 316523.1 | 205799.2 | 100632.1 | S |
| 150.433 | 0.0000 | 0.0000 | 84.902 | 0.06291 | 0.00000 | 316523.1 | 205801.0 | 100632.1 | S |
| 150.442 | 0.0000 | 0.0000 | 84.902 | 0.06290 | 0.00000 | 316523.1 | 205802.9 | 100632.1 | S |
| 150.450 | 0.0000 | 0.0000 | 84.902 | 0.06289 | 0.00000 | 316523.1 | 205804.8 | 100632.1 | S |
| 150.458 | 0.0000 | 0.0000 | 84.901 | 0.06289 | 0.00000 | 316523.1 | 205806.7 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infitration Rate ( $\mathrm{f}^{3 / 3}$ ) | Overtlow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 150.467 | 0.0000 | 0.0000 | 84.901 | 0.06288 | 0.00000 | 316523.1 | 205808.6 | 100632.1 | S |
| 150.475 | 0.0000 | 0.0000 | 84.901 | 0.06288 | 0.00000 | 316523.1 | 205810.5 | 100632.1 | S |
| 150.483 | 0.0000 | 0.0000 | 84.901 | 0.06287 | 0.00000 | 316523.1 | 205812.4 | 100632.1 | S |
| 150.492 | 0.0000 | 0.0000 | 84.901 | 0.06287 | 0.00000 | 316523.1 | 205814.3 | 100632.1 | S |
| 150.500 | 0.0000 | 0.0000 | 84.901 | 0.06286 | 0.00000 | 376523.1 | 205816.1 | 100632.1 | S |
| 150.508 | 0.0000 | 0.0000 | 84.901 | 0.06285 | 0.00000 | 316523.1 | 205818.0 | 100632.1 | S |
| 150.517 | 0.0000 | 0.0000 | 84.900 | 0.06285 | 0.00000 | 316523.1 | 205819.9 | 100632.1 | S |
| 150.525 | 0.0000 | 0.0000 | 84.900 | 0.06284 | 0.00000 | 316523.1 | 205821.8 | 100632.1 | S |
| 150.533 | 0.0000 | 0.0000 | 84.900 | 0.06284 | 0.00000 | 316523.1 | 205823.7 | 100632.1 | S |
| 150.542 | 0.0000 | 0.0000 | 84.900 | 0.06283 | 0.00000 | 316523.1 | 205825.6 | 100632.1 | S |
| 150.550 | 0.0000 | 0.0000 | 84.900 | 0.06283 | 0.00000 | 316523.1 | 205827.5 | 100632.1 | S |
| 150.558 | 0.0000 | 0.0000 | 84.900 | 0.06282 | 0.00000 | 316523.1 | 205829.3 | 100632.1 | S |
| 150.567 | 0.0000 | 0.0000 | 84.900 | 0.06281 | 0.00000 | 316523.1 | 205831.2 | 100632.1 | S |
| 150.575 | 0.0000 | 0.0000 | 84.899 | 0.06281 | 0.00000 | 316523.1 | 205833.1 | 100632.1 | S |
| 150.583 | 0.0000 | 0.0000 | 84.899 | 0.06280 | 0.00000 | 316523.1 | 205835.0 | 100632.1 | S |
| 150.592 | 0.0000 | 0.0000 | 84.899 | 0.06280 | 0.00000 | 316523.1 | 205836.9 | 100632.1 | S |
| 150.600 | 0.0000 | 0.0000 | 84.899 | 0.06279 | 0.00000 | 316523.1 | 205838.8 | 100632.1 | S |
| 150.608 | 0.0000 | 0.0000 | 84.899 | 0.06279 | 0.00000 | 316523.1 | 205840.6 | 100632.1 | S |
| 150.617 | 0.0000 | 0.0000 | 84.899 | 0.06278 | 0.00000 | 316523.1 | 205842.5 | 100632.1 | S |
| 150.625 | 0.0000 | 0.0000 | 84.899 | 0.06277 | 0.00000 | 316523.1 | 205844.4 | 100632.1 | S |
| 150.633 | 0.0000 | 0.0000 | 84.898 | 0.06277 | 0.00000 | 316523.1 | 205846.3 | 100632.1 | S |
| 150.642 | 0.0000 | 0.0000 | 84.898 | 0.06276 | 0.00000 | 316523.1 | 205848.2 | 100632.1 | S |
| 150.650 | 0.0000 | 0.0000 | 84.898 | 0.06276 | 0.00000 | 316523.1 | 205850.1 | 100632.1 | S |
| 150.658 | 0.0000 | 0.0000 | 84.898 | 0.06275 | 0.00000 | 316523.1 | 205851.9 | 100632.1 | S |
| 150.667 | 0.0000 | 0.0000 | 84.898 | 0.06275 | 0.00000 | 316523.1 | 205853.8 | 100632.1 | S |
| 150.675 | 0.0000 | 0.0000 | 84.898 | 0.06274 | 0.00000 | 316523.1 | 205855.7 | 100632.1 | S |
| 150.683 | 0.0000 | 0.0000 | 84.898 | 0.06273 | 0.00000 | 316523.1 | 205857.6 | 100632.1 | S |
| 150.692 | 0.0000 | 0.0000 | 84.897 | 0.06273 | 0.00000 | 316523.1 | 205859.5 | 100632.1 | S |
| 150.700 | 0.0000 | 0.0000 | 84.897 | 0.06272 | 0.00000 | 316523.1 | 205861.4 | 100632.1 | S |
| 150.708 | 0.0000 | 0.0000 | 84.897 | 0.06272 | 0.00000 | 316523.1 | 205863.2 | 100632.1 | S |
| 150.717 | 0.0000 | 0.0000 | 84.897 | 0.06271 | 0.00000 | 316523.1 | 205865.1 | 100632.1 | S |
| 150.725 | 0.0000 | 0.0000 | 84.897 | 0.06271 | 0.00000 | 316523.1 | 205867.0 | 100632.1 | S |
| 150.733 | 0.0000 | 0.0000 | 84.897 | 0.06270 | 0.00000 | 316523.1 | 205868.9 | 100632.1 | S |
| 150.742 | 0.0000 | 0.0000 | 84.897 | 0.06269 | 0.00000 | 316523.1 | 205870.8 | 100632.1 | S |
| 150.750 | 0.0000 | 0.0000 | 84.896 | 0.06269 | 0.00000 | 316523.1 | 205872.6 | 100632.1 | S |
| \$50.758 | 0.0000 | 0.0000 | 84.896 | 0.06268 | 0.00000 | 316523.1 | 205874.5 | 100632.1 | S |
| 150.767 | 0.0000 | 0.0000 | 84.896 | 0.06268 | 0.00000 | 316523.1 | 205876.4 | 100632.1 | S |
| 150.775 | 0.0000 | 0.0000 | 84.896 | 0.06267 | 0.00000 | 316523.1 | 205878.3 | 100632.1 | S |
| 150.783 | 0.0000 | 0.0000 | 84.896 | 0.06267 | 0.00000 | 316523.1 | 205880.2 | 100632.1 | S |
| 150.792 | 0.0000 | 0.0000 | 84.896 | 0.06266 | 0.00000 | 316523.1 | 205882.0 | 100632.1 | S |
| 150.800 | 0.0000 | 0.0000 | 84.896 | 0.06265 | 0.00000 | 316523.1 | 205883.9 | 100632.1 | S |
| 150.808 | 0.0000 | 0.0000 | 84.895 | 0.06265 | 0.00000 | 316523.1 | 205885.8 | 100632.1 | S |
| 150.817 | 0.0000 | 0.0000 | 84.895 | 0.06264 | 0.00000 | 316523.1 | 205887.7 | 100632.1 | S |
| 150.825 | 0.0000 | 0.0000 | 84.895 | 0.06264 | 0.00000 | 316523.1 | 205889.6 | 100632.1 | S |
| 150.833 | 0.0000 | 0.0000 | 84.895 | 0.06263 | 0.00000 | 316523.1 | 205891.4 | 100632.1 | S |
| 150.842 | 0.0000 | 0.0000 | 84.895 | 0.06263 | 0.00000 | 316523.1 | 205893.3 | 100632.1 | S |
| 150.850 | 0.0000 | 0.0000 | 84.895 | 0.06262 | 0.00000 | 316523.1 | 205895.2 | 100632.1 | S |
| 150.858 | 0.0000 | 0.0000 | 84.894 | 0.06261 | 0.00000 | 316523.1 | 205897.1 | 100632.1 | S |
| 150.867 | 0.0000 | 0.0000 | 84.894 | 0.06261 | 0.00000 | 316523.1 | 205899.0 | 100632.1 | S |
| 150.875 | 0.0000 | 0.0000 | 84.894 | 0.06260 | 0.00000 | 316523.1 | 205900.8 | 100632.1 | S |
| 150.883 | 0.0000 | 0.0000 | 84.894 | 0.06260 | 0.00000 | 316523.1 | 205902.7 | 100632.1 | S |
| 150.892 | 0.0000 | 0.0000 | 84.894 | 0.06259 | 0.00000 | 316523.1 | 205904.6 | 100632.1 | S |
| 150.900 | 0.0000 | 0.0000 | 84.894 | 0.06259 | 0.00000 | 316523.1 | 205906.5 | 100632.1 | S |
| 150.908 | 0.0000 | 0.0000 | 84.894 | 0.06258 | 0.00000 | 316523.1 | 205908.3 | 100632.1 | S |
| 150.917 | 0.0000 | 0.0000 | 84.893 | 0.06258 | 0.00000 | 316523.1 | 205910.2 | 100632.1 | S |
| 150.925 | 0.0000 | 0.0000 | 84.893 | 0.06257 | 0.00000 | 316523.1 | 205912.1 | 100632.1 | S |
| 150.933 | 0.0000 | 0.0000 | 84.893 | 0.06256 | 0.00000 | 316523.1 | 205914.0 | 100632.1 | S |
| 150.942 | 0.0000 | 0.0000 | 84.893 | 0.06256 | 0.00000 | 316523.1 | 205915.9 | 100632.1 | S |
| 150.950 | 0.0000 | 0.0000 | 84.893 | 0.06255 | 0.00000 | 316523.1 | 205917.7 | 100632.1 | S |
| 150.958 | 0.0000 | 0.0000 | 84.893 | 0.06255 | 0.00000 | 316523.1 | 205919.6 | 100632.1 | S |
| 150.967 | 0.0000 | 0.0000 | 84.893 | 0.06254 | 0.00000 | 316523.1 | 205921.5 | 100632.1 | S |
| 150.975 | 0.0000 | 0.0000 | 84.892 | 0.06254 | 0.00000 | 316523.1 | 205923.4 | 100632.1 | S |
| 150.983 | 0.0000 | 0.0000 | 84.892 | 0.06253 | 0.00000 | 316523.1 | 205925.2 | 100632.1 | S |
| 150.992 | 0.0000 | 0.0000 | 84.892 | 0.06252 | 0.00000 | 316523.1 | 205927.1 | 100632.1 | S |
| 151.000 | 0.0000 | 0.0000 | 84.892 | 0.06252 | 0.00000 | 316523.1 | 205929.0 | 100632.1 | S |
| 151.008 | 0.0000 | 0.0000 | 84.892 | 0.06251 | 0.00000 | 316523.1 | 205930.9 | 100632.1 | S |
| 151.017 | 0.0000 | 0.0000 | 84.892 | 0.06251 | 0.00000 | 316523.1 | 205932.7 | 100632.1 | S |
| 151.025 | 0.0000 | 0.0000 | 84.892 | 0.06250 | 0.00000 | 316523.1 | 205934.6 | 100632.1 | S |
| 151.033 | 0.0000 | 0.0000 | 84.891 | 0.06250 | 0.00000 | 316523.1 | 205936.5 | 100632.1 | S |
| 151.042 | 0.0000 | 0.0000 | 84.891 | 0.06249 | 0.00000 | 316523.1 | 205938.4 | 100632.1 | S |
| 151.050 | 0.0000 | 0.0000 | 84.891 | 0.06248 | 0.00000 | 316523.1 | 205940.2 | 100632.1 | S |
| 151.058 | 0.0000 | 0.0000 | 84.891 | 0.06248 | 0.00000 | 316523.1 | 205942.1 | 100632.1 | S |
| 151.067 | 0.0000 | 0.0000 | 84.891 | 0.06247 | 0.00000 | 316523.1 | 205944.0 | 100632.1 | S |
| 151.075 | 0.0000 | 0.0000 | 84.891 | 0.06247 | 0.00000 | 316523.1 | 205945.9 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/overflow

| Elapsed Time (hours) | inflow Rate (ft ${ }^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{H}^{3 /} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / 5}$ ) | Cumulative inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | $\begin{aligned} & \text { Flow } \\ & \text { Type } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 151.083 | 0.0000 | 0.0000 | 84.891 | 0.06246 | 0.00000 | 316523.1 | 205947.7 | 100632.1 | S |
| 151.092 | 0.0000 | 0.0000 | 84.890 | 0.06246 | 0.00000 | 316523.1 | 205949.6 | 100632.1 | S |
| 151.100 | 0.0000 | 0.0000 | 84.890 | 0.06245 | 0.00000 | 316523.1 | 205951.5 | 100632.1 | S |
| 151.108 | 0.0000 | 0.0000 | 84.890 | 0.06244 | 0.00000 | 316523.1 | 205953.4 | 100632.1 | S |
| 151.117 | 0.0000 | 0.0000 | 84.890 | 0.06244 | 0.00000 | 316523.1 | 205955.2 | 100632.1 | S |
| 151.125 | 0.0000 | 0.0000 | 84.890 | 0.06243 | 0.00000 | 316523.1 | 205957.1 | 100632.1 | S |
| 151.133 | 0.0000 | 0.0000 | 84.890 | 0.06243 | 0.00000 | 316523.1 | 205959.0 | 100632.1 | S |
| 151.142 | 0.0000 | 0.0000 | 84.890 | 0.06242 | 0.00000 | 316523.1 | 205960.8 | 100632.1 | S |
| 151.150 | 0.0000 | 0.0000 | 84.889 | 0.06242 | 0.00000 | 316523.1 | 205962.7 | 100632.1 | S |
| 151.158 | 0.0000 | 0.0000 | 84.889 | 0.06241 | 0.00000 | 316523.1 | 205964.6 | 100632.1 | S |
| 151.167 | 0.0000 | 0.0000 | 84.889 | 0.06240 | 0.00000 | 316523.1 | 205966.5 | 100632.1 | S |
| 151.175 | 0.0000 | 0.0000 | 84.889 | 0.06240 | 0.00000 | 316523.1 | 205968.3 | 100632.1 | S |
| 151.183 | 0.0000 | 0.0000 | 84.889 | 0.06239 | 0.00000 | 316523.1 | 205970.2 | 100632.1 | S |
| 151.192 | 0.0000 | 0.0000 | 84.889 | 0.06239 | 0.00000 | 316523.1 | 205972.1 | 100632.1 | S |
| 151.200 | 0.0000 | 0.0000 | 84.889 | 0.06238 | 0.00000 | 316523.1 | 205974.0 | 100632.1 | S |
| 151.208 | 0.0000 | 0.0000 | 84.888 | 0.06238 | 0.00000 | 316523.1 | 205975.8 | 100632.1 | S |
| 151.217 | 0.0000 | 0.0000 | 84.888 | 0.06237 | 0.00000 | 316523.1 | 205977.7 | 100632.1 | S |
| 151.225 | 0.0000 | 0.0000 | 84.888 | 0.06236 | 0.00000 | 316523.1 | 205979.6 | 100632.1 | S |
| 151.233 | 0.0000 | 0.0000 | 84.888 | 0.06236 | 0.00000 | 316523.1 | 205981.4 | 100632.1 | S |
| 151.242 | 0.0000 | 0.0000 | 84.888 | 0.06235 | 0.00000 | 316523.1 | 205983.3 | 100632.1 | S |
| 151.250 | 0.0000 | 0.0000 | 84.888 | 0.06235 | 0.00000 | 316523.1 | 205985.2 | 100632.1 | S |
| 151.258 | 0.0000 | 0.0000 | 84.888 | 0.06234 | 0.00000 | 316523.1 | 205987.0 | 100632.1 | S |
| 151.267 | 0.0000 | 0.0000 | 84.887 | 0.06234 | 0.00000 | 316523.1 | 205988.9 | 100632.1 | S |
| 151.275 | 0.0000 | 0.0000 | 84.887 | 0.06233 | 0.00000 | 316523.1 | 205990.8 | 100632.1 | S |
| 151.283 | 0.0000 | 0.0000 | 84.887 | 0.06232 | 0.00000 | 316523.1 | 205992.7 | 100632.1 | S |
| 151.292 | 0.0000 | 0.0000 | 84.887 | 0.06232 | 0.00000 | 316523.1 | 205994.5 | 100632.1 | S |
| 151.300 | 0.0000 | 0.0000 | 84.887 | 0.06231 | 0.00000 | 316523.1 | 205996.4 | 100632.1 | S |
| 151.308 | 0.0000 | 0.0000 | 84.887 | 0.06231 | 0.00000 | 316523.1 | 205998.3 | 100632.1 | S |
| 151.317 | 0.0000 | 0.0000 | 84.887 | 0.06230 | 0.00000 | 316523.1 | 206000.1 | 100632.1 | S |
| 151.325 | 0.0000 | 0.0000 | 84.886 | 0.06230 | 0.00000 | 316523.1 | 206002.0 | 100632.1 | S |
| 151.333 | 0.0000 | 0.0000 | 84.886 | 0.06229 | 0.00000 | 316523.1 | 206003.9 | 100632.1 | S |
| 151.342 | 0.0000 | 0.0000 | 84.886 | 0.06229 | 0.00000 | 316523.1 | 206005.7 | 100632.1 | S |
| 151.350 | 0.0000 | 0.0000 | 84.886 | 0.06228 | 0.00000 | 316523.1 | 206007.6 | 100632.1 | S |
| 151.358 | 0.0000 | 0.0000 | 84.886 | 0.06227 | 0.00000 | 316523.1 | 206009.5 | 100632.1 | S |
| 151.367 | 0.0000 | 0.0000 | 84.886 | 0.06227 | 0.00000 | 316523.1 | 206011.3 | 100632.1 | S |
| 151.375 | 0.0000 | 0.0000 | 84.886 | 0.06226 | 0.00000 | 316523.1 | 206013.2 | 100632.1 | S |
| 151.383 | 0.0000 | 0.0000 | 84.885 | 0.06226 | 0.00000 | 316523.1 | 206015.1 | 100632.1 | S |
| 151.392 | 0.0000 | 0.0000 | 84.885 | 0.06225 | 0.00000 | 316523.1 | 206017.0 | 100632.1 | S |
| 151.400 | 0.0000 | 0.0000 | 84.885 | 0.06225 | 0.00000 | 316523.1 | 206018.8 | 100632.1 | S |
| 151.408 | 0.0000 | 0.0000 | 84.885 | 0.06224 | 0.00000 | 316523.1 | 206020.7 | 100632.1 | S |
| 151.417 | 0.0000 | 0.0000 | 84.885 | 0.06223 | 0.00000 | 316523.1 | 206022.5 | 100632.1 | S |
| 151.425 | 0.0000 | 0.0000 | 84.885 | 0.06223 | 0.00000 | 316523.1 | 206024.4 | 100632.1 | S |
| 151.433 | 0.0000 | 0.0000 | 84.885 | 0.06222 | 0.00000 | 316523.1 | 206026.3 | \$00632.1 | S |
| 151.442 | 0.0000 | 0.0000 | 84.884 | 0.06222 | 0.00000 | 316523.1 | 206028.2 | 100632.1 | S |
| 151.450 | 0.0000 | 0.0000 | 84.884 | 0.06221 | 0.00000 | 316523.1 | 206030.0 | 100632.1 | S |
| 151.458 | 0.0000 | 0.0000 | 84.884 | 0.06221 | 0.00000 | 316523.1 | 206031.9 | 100632.1 | S |
| 151.467 | 0.0000 | 0.0000 | 84.884 | 0.06220 | 0.00000 | 316523.1 | 206033.8 | 100632.1 | S |
| 151.475 | 0.0000 | 0.0000 | 84.884 | 0.06219 | 0.00000 | 316523.1 | 206035.6 | 100632.1 | S |
| 151.483 | 0.0000 | 0.0000 | 84.884 | 0.06219 | 0.00000 | 316523.1 | 206037.5 | 100632.1 | S |
| 151.492 | 0.0000 | 0.0000 | 84.884 | 0.06218 | 0.00000 | 316523.1 | 206039.3 | 100632.1 | S |
| 151.500 | 0.0000 | 0.0000 | 84.883 | 0.06218 | 0.00000 | 316523.1 | 206041.2 | 100632.4 | S |
| 151.508 | 0.0000 | 0.0000 | 84.883 | 0.06217 | 0.00000 | 316523.1 | 206043.1 | 100632.1 | S |
| 151.517 | 0.0000 | 0.0000 | 84.883 | 0.06217 | 0.00000 | 316523.1 | 206044.9 | 100632.1 | S |
| 151.525 | 0.0000 | 0.0000 | 84.883 | 0.06216 | 0.00000 | 316523.1 | 206046.8 | 100632.1 | S |
| 151.533 | 0.0000 | 0.0000 | 84.883 | 0.06215 | 0.00000 | 316523.1 | 206048.7 | 100632.1 | S |
| 151.542 | 0.0000 | 0.0000 | 84.883 | 0.06215 | 0.00000 | 316523.1 | 206050.5 | 100632.1 | S |
| 151.550 | 0.0000 | 0.0000 | 84.883 | 0.06214 | 0.00000 | 316523.1 | 206052.4 | 100632.1 | S |
| 151.558 | 0.0000 | 0.0000 | 84.882 | 0.06214 | 0.00000 | 316523.1 | 206054.3 | 100632.1 | S |
| 151.567 | 0.0000 | 0.0000 | 84.882 | 0.06213 | 0.00000 | 316523.7 | 206056.1 | 100632.1 | S |
| 151.575 | 0.0000 | 0.0000 | 84.882 | 0.06213 | 0.00000 | 316523.1 | 206058.0 | 100632.1 | S |
| 151.583 | 0.0000 | 0.0000 | 84.882 | 0.06212 | 0.00000 | 316523.1 | 206059.9 | 100632.1 | S |
| 151.592 | 0.0000 | 0.0000 | 84.882 | 0.06212 | 0.00000 | 316523.1 | 206061.7 | 100632.1 | S |
| 151.600 | 0.0000 | 0.0000 | 84.882 | 0.06211 | 0.00000 | 316523.1 | 206063.6 | 100632.1 | S |
| 151.608 | 0.0000 | 0.0000 | 84.881 | 0.06210 | 0.00000 | 316523.1 | 206065.5 | 100632.1 | S |
| 151.617 | 0.0000 | 0.0000 | 84.881 | 0.06210 | 0.00000 | 316523.1 | 206067.3 | 100632.1 | S |
| 151.625 | 0.0000 | 0.0000 | 84.881 | 0.06209 | 0.00000 | 316523.1 | 206069.2 | 100632.1 | S |
| 151.633 | 0.0000 | 0.0000 | 84.881 | 0.06209 | 0.00000 | 316523.1 | 206071.0 | 100632.1 | S |
| 151.642 | 0.0000 | 0.0000 | 84.881 | 0.06208 | 0.00000 | 316523.1 | 206072.9 | 100632.1 | S |
| 151.650 | 0.0000 | 0.0000 | 84.881 | 0.06208 | 0.00000 | 316523.1 | 206074.8 | 100632.1 | S |
| 151.658 | 0.0000 | 0.0000 | 84.881 | 0.06207 | 0.00000 | 316523.1 | 206076.6 | 100632.1 | S |
| 151.667 | 0.0000 | 0.0000 | 84.880 | 0.06206 | 0.00000 | 316523.1 | 206078.5 | 100632.1 | S |
| 151.675 | 0.0000 | 0.0000 | 84.880 | 0.06206 | 0.00000 | 316523.1 | 206080.3 | 100632.1 | S |
| 151.683 | 0.0000 | 0.0000 | 84.880 | 0.06205 | 0.00000 | 316523.1 | 206082.2 | 100632.1 | S |
| 151.692 | 0.0000 | 0.0000 | 84.880 | 0.06205 | 0.00000 | 316523.1 | 206084.1 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate $\left(\mathrm{ft}^{3 /} / \mathrm{s}\right)$ | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | $\begin{aligned} & \text { Cumulative } \\ & \text { Inflow } \\ & \text { Volume }\left(\mathrm{ff}^{3}\right) \end{aligned}$ | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 151.700 | 0.0000 | 0.0000 | 84.880 | 0.06204 | 0.00000 | 316523.1 | 206085.9 | 100632.1 | S |
| 151.708 | 0.0000 | 0.0000 | 84.880 | 0.06204 | 0.00000 | 316523.1 | 206087.8 | 100632.1 | S |
| 151.717 | 0.0000 | 0.0000 | 84.880 | 0.06203 | 0.00000 | 316523.1 | 206089.7 | 100632.1 | S |
| 151.725 | 0.0000 | 0.0000 | 84.879 | 0.06203 | 0.00000 | 316523.1 | 206081.5 | 100632.1 | S |
| 151.733 | 0.0000 | 0.0000 | 84.879 | 0.06202 | 0.00000 | 316523.1 | 206093.4 | 100632.1 | S |
| 151.742 | 0.0000 | 0.0000 | 84.879 | 0.06201 | 0.00000 | 316523.1 | 206095.2 | 100632.4 | S |
| 151.750 | 0.0000 | 0.0000 | 84.879 | 0.06201 | 0.00000 | 316523.1 | 206097.1 | 100632.1 | S |
| 151.758 | 0.0000 | 0.0000 | 84.879 | 0.06200 | 0.00000 | 316523.1 | 206099.0 | 100632.1 | S |
| 151.767 | 0.0000 | 0.0000 | 84.879 | 0.06200 | 0.00000 | 316523.1 | 206100.8 | 100632.1 | S |
| 151.775 | 0.0000 | 0.0000 | 84.879 | 0.06199 | 0.00000 | 316523.1 | 206102.7 | 100632.1 | S |
| 151.783 | 0.0000 | 0.0000 | 84.878 | 0.06199 | 0.00000 | 316523.1 | 206104.5 | 100632.1 | S |
| 151.792 | 0.0000 | 0.0000 | 84.878 | 0.06198 | 0.00000 | 316523.1 | 206106.4 | 100632.1 | S |
| 151.800 | 0.0000 | 0.0000 | 84.878 | 0.06197 | 0.00000 | 316523.1 | 206108.3 | 100632.1 | S |
| 151.808 | 0.0000 | 0.0000 | 84.878 | 0.06197 | 0.00000 | 316523.1 | 206110.1 | 100632.1 | S |
| 151.817 | 0.0000 | 0.0000 | 84.878 | 0.06196 | 0.00000 | 316523.1 | 206112.0 | 100632.1 | S |
| 151.825 | 0.0000 | 0.0000 | 84.878 | 0.06196 | 0.00000 | 316523.1 | 206113.8 | 100632.1 | S |
| 151.833 | 0.0000 | 0.0000 | 84.878 | 0.06195 | 0.00000 | 316523.1 | 206115.7 | 100632.1 | S |
| 151.842 | 0.0000 | 0.0000 | 84.877 | 0.06195 | 0.00000 | 316523.1 | 206117.5 | 100632.1 | S |
| 151.850 | 0.0000 | 0.0000 | 84.877 | 0.06194 | 0.00000 | 316523.1 | 206119.4 | 100632.1 | S |
| 151.858 | 0.0000 | 0.0000 | 84.877 | 0.06193 | 0.00000 | 316523.1 | 206121.3 | 100632.1 | S |
| 151.867 | 0.0000 | 0.0000 | 84.877 | 0.06193 | 0.00000 | 316523.1 | 206123.1 | 100632.1 | S |
| 151.875 | 0.0000 | 0.0000 | 84.877 | 0.06192 | 0.00000 | 316523.1 | 206125.0 | 100632.1 | S |
| 151.883 | 0.0000 | 0.0000 | 84.877 | 0.06192 | 0.00000 | 316523.1 | 206126.8 | 100632.1 | S |
| 151.892 | 0.0000 | 0.0000 | 84.877 | 0.06191 | 0.00000 | 316523.1 | 206128.7 | 100632.1 | S |
| 151.900 | 0.0000 | 0.0000 | 84.876 | 0.06191 | 0.00000 | 316523.1 | 206130.5 | 100632.1 | S |
| 151.908 | 0.0000 | 0.0000 | 84.876 | 0.06190 | 0.00000 | 316523.1 | 206132.4 | 100632.1 | S |
| 151.917 | 0.0000 | 0.0000 | 84.876 | 0.06190 | 0.00000 | 316523.1 | 206134.3 | 100632.1 | S |
| 151.925 | 0.0000 | 0.0000 | 84.876 | 0.06189 | 0.00000 | 316523.1 | 206136.1 | 100632.1 | S |
| 151.933 | 0.0000 | 0.0000 | 84.876 | 0.06188 | 0.00000 | 316523.1 | 206138.0 | 100632.1 | S |
| 151.942 | 0.0000 | 0.0000 | 84.876 | 0.06188 | 0.00000 | 316523.1 | 206139.8 | 100632.3 | S |
| 151.950 | 0.0000 | 0.0000 | 84.876 | 0.06187 | 0.00000 | 316523.1 | 206141.7 | 100632.1 | S |
| 151.958 | 0.0000 | 0.0000 | 84.875 | 0.06187 | 0.00000 | 316523.1 | 206143.5 | 100632.1 | S |
| 151.967 | 0.0000 | 0.0000 | 84.875 | 0.06186 | 0.00000 | 316523.1 | 206145.4 | 100632.1 | S |
| 151.975 | 0.0000 | 0.0000 | 84.875 | 0.06186 | 0.00000 | 316523.1 | 206147.3 | 100632.1 | S |
| 151.983 | 0.0000 | 0.0000 | 84.875 | 0.06185 | 0.00000 | 316523.1 | 206149.1 | 100632.1 | S |
| 151.992 | 0.0000 | 0.0000 | 84.875 | 0.06184 | 0.00000 | 316523.1 | 206151.0 | 100632.1 | S |
| 152.000 | 0.0000 | 0.0000 | 84.875 | 0.06184 | 0.00000 | 316523.1 | 206152.8 | 100632.1 | S |
| 152.008 | 0.0000 | 0.0000 | 84.875 | 0.06183 | 0.00000 | 316523.1 | 206154.7 | 100632.1 | S |
| 152.017 | 0.0000 | 0.0000 | 84.874 | 0.06183 | 0.00000 | 316523.1 | 206156.5 | 100632.1 | S |
| 152.025 | 0.0000 | 0.0000 | 84.874 | 0.06182 | 0.00000 | 316523.1 | 206158.4 | 100632.1 | S |
| 152.033 | 0.0000 | 0.0000 | 84.874 | 0.06182 | 0.00000 | 316523.1 | 206160.3 | 100632.1 | S |
| 152.042 | 0.0000 | 0.0000 | 84.874 | 0.06181 | 0.00000 | 316523.1 | 206162.1 | 100632.1 | S |
| 152.050 | 0.0000 | 0.0000 | 84.874 | 0.06181 | 0.00000 | 316523.1 | 206164.0 | 100632.1 | S |
| 152.058 | 0.0000 | 0.0000 | 84.874 | 0.06180 | 0.00000 | 316523.1 | 206165.8 | 100632.1 | S |
| \$22.067 | 0.0000 | 0.0000 | 84.874 | 0.06179 | 0.00000 | 316523.1 | 206167.7 | 100632.1 | S |
| 152.075 | 0.0000 | 0.0000 | 84.873 | 0.06179 | 0.00000 | 316523.1 | 206169.5 | 100632.1 | S |
| 152.083 | 0.0000 | 0.0000 | 84.873 | 0.06178 | 0.00000 | 316523.1 | 206171.4 | 100632.1 | S |
| 152.092 | 0.0000 | 0.0000 | 84.873 | 0.06178 | 0.00000 | 316523.1 | 206173.2 | 100632.1 | S |
| 152.100 | 0.0000 | 0.0000 | 84.873 | 0.06177 | 0.00000 | 316523.1 | 206175.1 | 100632.1 | S |
| 152.108 | 0.0000 | 0.0000 | 84.873 | 0.06177 | 0.00000 | 316523.1 | 206176.9 | 100632.1 | S |
| 152.117 | 0.0000 | 0.0000 | 84.873 | 0.06176 | 0.00000 | 316523.1 | 206178.8 | 100632.1 | S |
| 152.125 | 0.0000 | 0.0000 | 84.873 | 0.06175 | 0.00000 | 316523.1 | 206180.6 | 100632.1 | S |
| 152.133 | 0.0000 | 0.0000 | 84.872 | 0.06175 | 0.00000 | 316523.1 | 206182.5 | 100632.1 | S |
| 152.142 | 0.0000 | 0.0000 | 84.872 | 0.06174 | 0.00000 | 316523.1 | 206184.3 | 100632.1 | S |
| 152.150 | 0.0000 | 0.0000 | 84.872 | 0.06174 | 0.00000 | 316523.1 | 206186.2 | 100632.1 | S |
| 152.158 | 0.0000 | 0.0000 | 84.872 | 0.06173 | 0.00000 | 316523.1 | 206188.0 | 100632.1 | S |
| 152.167 | 0.0000 | 0.0000 | 84.872 | 0.06173 | 0.00000 | 316523.1 | 206189.9 | 100632.1 | S |
| 152.175 | 0.0000 | 0.0000 | 84.872 | 0.06172 | 0.00000 | 316523.1 | 206191.8 | 100632.1 | S |
| 152.183 | 0.0000 | 0.0000 | 84.872 | 0.06172 | 0.00000 | 316523.1 | 206193.6 | 100632.1 | S |
| 152.192 | 0.0000 | 0.0000 | 84.871 | 0.06171 | 0.00000 | 316523.1 | 206195.5 | 100632.1 | S |
| 152.200 | 0.0000 | 0.0000 | 84.871 | 0.06170 | 0.00000 | 316523.1 | 206197.3 | 100632.1 | S |
| 152.208 | 0.0000 | 0.0000 | 84.871 | 0.06170 | 0.00000 | 316523.1 | 206199.2 | 100632.1 | S |
| 152.217 | 0.0000 | 0.0000 | 84.871 | 0.06169 | 0.00000 | 316523.1 | 206201.0 | 100632.1 | S |
| 152.225 | 0.0000 | 0.0000 | 84.871 | 0.06169 | 0.00000 | 316523.1 | 206202.9 | 100632.1 | S |
| 152.233 | 0.0000 | 0.0000 | 84.871 | 0.06168 | 0.00000 | 316523.1 | 206204.7 | 100632.1 | S |
| 152.242 | 0.0000 | 0.0000 | 84.871 | 0.06168 | 0.00000 | 316523.1 | 206206.6 | 100632.1 | S |
| 152.250 | 0.0000 | 0.0000 | 84.870 | 0.06167 | 0.00000 | 316523.1 | 206208.4 | 100632.1 | S |
| 152.258 | 0.0000 | 0.0000 | 84.870 | 0.06167 | 0.00000 | 316523.1 | 206210.3 | 100632.1 | S |
| 152.267 | 0.0000 | 0.0000 | 84.870 | 0.06166 | 0.00000 | 316523.1 | 206212.1 | 100632.1 | S |
| 152.275 | 0.0000 | 0.0000 | 84.870 | 0.06165 | 0.00000 | 316523.1 | 206214.0 | 100632.1 | S |
| 152.283 | 0.0000 | 0.0000 | 84.870 | 0.06165 | 0.00000 | 316523.1 | 206215.8 | 100632.1 | S |
| 152.292 | 0.0000 | 0.0000 | 84.870 | 0.06164 | 0.00000 | 316523.1 | 206217.7 | 100632.1 | S |
| 152.300 | 0.0000 | 0.0000 | 84.870 | 0.06164 | 0.00000 | 316523.1 | 206219.5 | 100632.1 | S |
| 152.308 | 0.0000 | 0.0000 | 84.869 | 0.06763 | 0.00000 | 316523.1 | 206221.4 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation ( fl datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overfiow Discharge (f $f^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 152.317 | 0.0000 | 0.0000 | 84.869 | 0.06163 | 0.00000 | 316523.1 | 206223.2 | 100632.1 | S |
| 152.325 | 0.0000 | 0.0000 | 84.869 | 0.06162 | 0.00000 | 316523.1 | 206225.0 | 100632.1 | S |
| 152.333 | 0.0000 | 0.0000 | 84.869 | 0.06161 | 0.00000 | 316523.1 | 206226.9 | 100632.1 | S |
| 152.342 | 0.0000 | 0.0000 | 84.869 | 0.06161 | 0.00000 | 316523.1 | 206228.8 | 100632.4 | S |
| 152.350 | 0.0000 | 0.0000 | 84.869 | 0.06160 | 0.00000 | 316523.1 | 206230.6 | 100632.1 | S |
| 152.358 | 0.0000 | 0.0000 | 84.869 | 0.06160 | 0.00000 | 316523.1 | 206232.4 | 100632.1 | S |
| 152.367 | 0.0000 | 0.0000 | 84.868 | 0.06159 | 0.00000 | 316523.1 | 206234.3 | 100632.1 | S |
| 152.375 | 0.0000 | 0.0000 | 84.868 | 0.06159 | 0.00000 | 316523.1 | 206236.1 | 100632.1 | S |
| 152.383 | 0.0000 | 0.0000 | 84.868 | 0.06158 | 0.00000 | 316523.1 | 206238.0 | 100632.1 | S |
| 152.392 | 0.0000 | 0.0000 | 84.868 | 0.06158 | 0.00000 | 316523.1 | 206239.8 | 100632.1 | S |
| 152.400 | 0.0000 | 0.0000 | 84.868 | 0.06157 | 0.00000 | 316523.1 | 206241.7 | 100632.1 | S |
| 152.408 | 0.0000 | 0.0000 | 84.868 | 0.06156 | 0.00000 | 316523.1 | 206243.5 | 100632.1 | S |
| 152.417 | 0.0000 | 0.0000 | 84.868 | 0.06156 | 0.00000 | 316523.1 | 206245.4 | 100632.1 | S |
| 152.425 | 0.0000 | 0.0000 | 84.867 | 0.06155 | 0.00000 | 316523.1 | 206247.2 | 100632.1 | S |
| 152.433 | 0.0000 | 0.0000 | 84.867 | 0.06155 | 0.00000 | 316523.1 | 206249.1 | 100632.1 | S |
| 152.442 | 0.0000 | 0.0000 | 84.867 | 0.06154 | 0.00000 | 316523.1 | 206250.9 | 100632.1 | S |
| 152.450 | 0.0000 | 0.0000 | 84.867 | 0.06154 | 0.00000 | 316523.1 | 206252.8 | 100632.1 | S |
| 152.458 | 0.0000 | 0.0000 | 84.867 | 0.06153 | 0.00000 | 316523.1 | 206254.6 | 100632.1 | S |
| 152.467 | 0.0000 | 0.0000 | 84.867 | 0.06153 | 0.00000 | 316523.1 | 206256.5 | 100632.1 | S |
| 152.475 | 0.0000 | 0.0000 | 84.867 | 0.06152 | 0.00000 | 316523.1 | 206258.3 | 100632.1 | S |
| 152.483 | 0.0000 | 0.0000 | 84.866 | 0.06151 | 0.00000 | 316523.1 | 206260.1 | 100632.1 | S |
| 152.492 | 0.0000 | 0.0000 | 84.866 | 0.06151 | 0.00000 | 316523.1 | 206262.0 | 100632.1 | S |
| 152.500 | 0.0000 | 0.0000 | 84.866 | 0.06150 | 0.00000 | 316523.1 | 206263.8 | 100632.1 | S |
| 152.508 | 0.0000 | 0.0000 | 84.866 | 0.06150 | 0.00000 | 316523.1 | 206265.7 | 100632.1 | S |
| 152.517 | 0.0000 | 0.0000 | 84.866 | 0.06149 | 0.00000 | 316523.1 | 206267.5 | 100632.1 | S |
| 152.525 | 0.0000 | 0.0000 | 84.866 | 0.06149 | 0.00000 | 316523.1 | 206269.4 | 100632.1 | S |
| 152.533 | 0.0000 | 0.0000 | 84.866 | 0.06148 | 0.00000 | 316523.1 | 206271.2 | 100632.1 | S |
| 152.542 | 0.0000 | 0.0000 | 84.865 | 0.06147 | 0.00000 | 316523.1 | 206273.1 | 100632.1 | S |
| 152.550 | 0.0000 | 0.0000 | 84.865 | 0.06147 | 0.00000 | 316523.1 | 206274.9 | 100632.1 | S |
| 152.558 | 0.0000 | 0.0000 | 84.865 | 0.06146 | 0.00000 | 316523.1 | 206276.8 | 100632.1 | S |
| 152.567 | 0.0000 | 0.0000 | 84.865 | 0.06146 | 0.00000 | 316523.1 | 206278.6 | 100632.1 | S |
| 152.575 | 0.0000 | 0.0000 | 84.865 | 0.06145 | 0.00000 | 316523.1 | 206280.4 | 100632.1 | S |
| 152.583 | 0.0000 | 0.0000 | 84.865 | 0.06145 | 0.00000 | 316523.1 | 206282.3 | 100632.1 | S |
| 152.592 | 0.0000 | 0.0000 | 84.865 | 0.06144 | 0.00000 | 316523.1 | 206284.1 | 100632.1 | S |
| 152.600 | 0.0000 | 0.0000 | 84.864 | 0.06144 | 0.00000 | 316523.1 | 206286.0 | 100632.1 | S |
| 152.608 | 0.0000 | 0.0000 | 84.864 | 0.06143 | 0.00000 | 316523.1 | 206287.8 | 100632.1 | S |
| 152.617 | 0.0000 | 0.0000 | 84.864 | 0.06142 | 0.00000 | 316523.1 | 206289.7 | 100632.1 | S |
| 152.625 | 0.0000 | 0.0000 | 84.864 | 0.06142 | 0.00000 | 316523.1 | 206291.5 | 100632.1 | S |
| 152.633 | 0.0000 | 0.0000 | 84.864 | 0.06141 | 0.00000 | 316523.1 | 206293.3 | 100632.1 | S |
| 152.642 | 0.0000 | 0.0000 | 84.864 | 0.06141 | 0.00000 | 316523.1 | 206295.2 | 100632.1 | S |
| 152.650 | 0.0000 | 0.0000 | 84.864 | 0.06140 | 0.00000 | 316523.1 | 206297.0 | 100632.1 | S |
| 152.658 | 0.0000 | 0.0000 | 84.863 | 0.06140 | 0.00000 | 316523.1 | 206298.9 | 100632.1 | S |
| 152.667 | 0.0000 | 0.0000 | 84.863 | 0.06139 | 0.00000 | 316523.1 | 206300.7 | 100632.1 | S |
| 152.675 | 0.0000 | 0.0000 | 84.863 | 0.06139 | 0.00000 | 316523.1 | 206302.5 | 100632.1 | S |
| 152.683 | 0.0000 | 0.0000 | 84.863 | 0.06138 | 0.00000 | 316523.1 | 206304.4 | 100632.1 | S |
| 152.692 | 0.0000 | 0.0000 | 84.863 | 0.06137 | 0.00000 | 316523.1 | 206306.2 | 100632.1 | S |
| \$52.700 | 0.0000 | 0.0000 | 84.863 | 0.06137 | 0.00000 | 316523.1 | 206308.1 | 100632.1 | S |
| 152.708 | 0.0000 | 0.0000 | 84.863 | 0.06736 | 0.00000 | 316523.1 | 206309.9 | 100632.1 | S |
| 152.717 | 0.0000 | 0.0000 | 84.862 | 0.06136 | 0.00000 | 316523.1 | 206311.8 | 100632.1 | S |
| 152.725 | 0.0000 | 0.0000 | 84.862 | 0.06135 | 0.00000 | 316523.1 | 206313.6 | 100632.1 | S |
| 152.733 | 0.0000 | 0.0000 | 84.862 | 0.06135 | 0.00000 | 316523.1 | 206315.4 | 100632.1 | S |
| 152.742 | 0.0000 | 0.0000 | 84.862 | 0.06134 | 0.00000 | 316523.1 | 206317.3 | 100632.1 | S |
| 152.750 | 0.0000 | 0.0000 | 84.862 | 0.06134 | 0.00000 | 316523.1 | 206319.1 | 100632.1 | S |
| 152.758 | 0.0000 | 0.0000 | 84.862 | 0.06133 | 0.00000 | 316523.1 | 206321.0 | 100632.1 | S |
| 152.767 | 0.0000 | 0.0000 | 84.862 | 0.06132 | 0.00000 | 316523.1 | 206322.8 | 100632.1 | S |
| 152.775 | 0.0000 | 0.0000 | 84.861 | 0.06132 | 0.00000 | 316523.1 | 206324.6 | 100632.1 | S |
| 152.783 | 0.0000 | 0.0000 | 84.861 | 0.06131 | 0.00000 | 316523.1 | 206326.5 | 100632.1 | S |
| 152.792 | 0.0000 | 0.0000 | 84.861 | 0.06131 | 0.00000 | 316523.1 | 206328.3 | 100632.1 | S |
| 152.800 | 0.0000 | 0.0000 | 84.861 | 0.06130 | 0.00000 | 316523.1 | 206330.1 | 100632.1 | S |
| 152.808 | 0.0000 | 0.0000 | 84.861 | 0.06130 | 0.00000 | 316523.1 | 206332.0 | 100632.1 | S |
| 152.817 | 0.0000 | 0.0000 | 84.861 | 0.06129 | 0.00000 | 316523.1 | 206333.8 | 100632.1 | S |
| 152.825 | 0.0000 | 0.0000 | 84.861 | 0.06129 | 0.00000 | 316523.1 | 206335.7 | 100632.1 | S |
| 152.833 | 0.0000 | 0.0000 | 84.860 | 0.06128 | 0.00000 | 316523.1 | 206337.5 | 100632.1 | S |
| 152.842 | 0.0000 | 0.0000 | 84.860 | 0.06127 | 0.00000 | 316523.1 | 206339.3 | 100632.1 | S |
| 152.850 | 0.0000 | 0.0000 | 84.860 | 0.06127 | 0.00000 | 316523.1 | 206341.2 | 100632.1 | S |
| 152.858 | 0.0000 | 0.0000 | 84.860 | 0.06126 | 0.00000 | 316523.1 | 206343.0 | 100632.1 | S |
| 152.867 | 0.0000 | 0.0000 | 84.860 | 0.06126 | 0.00000 | 316523.1 | 206344.9 | 100632.1 | S |
| 152.875 | 0.0000 | 0.0000 | 84.860 | 0.06125 | 0.00000 | 316523.1 | 206346.7 | 100632.1 | S |
| 152.883 | 0.0000 | 0.0000 | 84.860 | 0.06125 | 0.00000 | 316523.1 | 206348.5 | 100632.1 | S |
| 152.892 | 0.0000 | 0.0000 | 84.859 | 0.06124 | 0.00000 | 316523.1 | 206350.4 | 100632.1 | S |
| 152.900 | 0.0000 | 0.0000 | 84.859 | 0.06124 | 0.00000 | 316523.1 | 206352.2 | 100632.1 | S |
| 152.908 | 0.0000 | 0.0000 | 84.859 | 0.06123 | 0.00000 | 316523.1 | 206354.0 | 100632.1 | S |
| 152.917 | 0.0000 | 0.0000 | 84.859 | 0.06122 | 0.00000 | 316523.1 | 206355.9 | \$00632.1 | S |
| 152.925 | 0.0000 | 0.0000 | 84.859 | 0.06122 | 0.00000 | 316523.1 | 206357.7 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | infiltration Rate ( $\mathrm{fl}^{3 / \mathrm{s}} \mathrm{s}$ ) | Overflow Discharge (ft3/s) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative <br> Discharge <br> Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 152.933 | 0.0000 | 0.0000 | 84.859 | 0.06121 | 0.00000 | 316523.1 | 206359.5 | 100632.1 | S |
| 152.942 | 0.0000 | 0.0000 | 84.859 | 0.06121 | 0.00000 | 316523.1 | 206361.4 | 100632.1 | S |
| 152.950 | 0.0000 | 0.0000 | 84.858 | 0.06120 | 0.00000 | 316523.1 | 206363.2 | 100632.1 | S |
| 152.958 | 0.0000 | 0.0000 | 84.858 | 0.06120 | 0.00000 | 316523.1 | 206365.1 | 100632.1 | S |
| 152.967 | 0.0000 | 0.0000 | 84.858 | 0.06119 | 0.00000 | 316523.1 | 206366.9 | 100632.1 | S |
| 152.975 | 0.0000 | 0.0000 | 84.858 | 0.06119 | 0.00000 | 316523.1 | 206368.7 | 100632.1 | S |
| 152.983 | 0.0000 | 0.0000 | 84.858 | 0.06118 | 0.00000 | 316523.1 | 206370.6 | 100632.1 | S |
| 152.992 | 0.0000 | 0.0000 | 84.858 | 0.06117 | 0.00000 | 316523.1 | 206372.4 | 100632.1 | S |
| 153.000 | 0.0000 | 0.0000 | 84.858 | 0.06117 | 0.00000 | 316523.1 | 206374.2 | 100632.1 | S |
| 153.008 | 0.0000 | 0.0000 | 84.857 | 0.06116 | 0.00000 | 316523.1 | 206376.1 | 100632.1 | S |
| 153.017 | 0.0000 | 0.0000 | 84.857 | 0.06116 | 0.00000 | 316523.1 | 206377.9 | 100632.1 | S |
| 153.025 | 0.0000 | 0.0000 | 84.857 | 0.06115 | 0.00000 | 316523.1 | 206379.7 | 100632.1 | S |
| 153.033 | 0.0000 | 0.0000 | 84.857 | 0.06115 | 0.00000 | 316523.1 | 206381.6 | 100632.1 | S |
| 153.042 | 0.0000 | 0.0000 | 84.857 | 0.06114 | 0.00000 | 316523.1 | 206383.4 | 100632.1 | S |
| 153.050 | 0.0000 | 0.0000 | 84.857 | 0.06114 | 0.00000 | 316523.1 | 206385.3 | 100632.1 | S |
| 153.058 | 0.0000 | 0.0000 | 84.857 | 0.06113 | 0.00000 | 316523.1 | 206387.1 | 100632.1 | S |
| 153.067 | 0.0000 | 0.0000 | 84.856 | 0.06112 | 0.00000 | 316523.1 | 206388.9 | 100632.1 | S |
| 153.075 | 0.0000 | 0.0000 | 84.856 | 0.06112 | 0.00000 | 316523.1 | 206390.8 | 100632.1 | S |
| 153.083 | 0.0000 | 0.0000 | 84.856 | 0.06111 | 0.00000 | 316523.1 | 206392.6 | 100632.1 | S |
| 153.092 | 0.0000 | 0.0000 | 84.856 | 0.06111 | 0.00000 | 316523.1 | 206394.4 | 100632.1 | S |
| 153.100 | 0.0000 | 0.0000 | 84.856 | 0.06110 | 0.00000 | 376523.1 | 206396.3 | 100632.1 | S |
| 153.108 | 0.0000 | 0.0000 | 84.856 | 0.06110 | 0.00000 | 316523.1 | 206398.1 | 100632.1 | S |
| 153.117 | 0.0000 | 0.0000 | 84.856 | 0.06109 | 0.00000 | 316523.1 | 206399.9 | 100632.1 | S |
| 153.125 | 0.0000 | 0.0000 | 84.855 | 0.06109 | 0.00000 | 316523.1 | 206401.8 | 100632.1 | S |
| 153.133 | 0.0000 | 0.0000 | 84.855 | 0.06108 | 0.00000 | 316523.1 | 206403.6 | 100632.1 | S |
| 153.142 | 0.0000 | 0.0000 | 84.855 | 0.06107 | 0.00000 | 316523.1 | 206405.4 | 100632.1 | S |
| 153.150 | 0.0000 | 0.0000 | 84.855 | 0.06107 | 0.00000 | 316523.1 | 206407.2 | 100632.1 | S |
| 153.158 | 0.0000 | 0.0000 | 84.855 | 0.06106 | 0.00000 | 316523.1 | 206409.1 | 100632.1 | S |
| 153.167 | 0.0000 | 0.0000 | 84.855 | 0.06106 | 0.00000 | 316523.1 | 206410.9 | 100632.1 | S |
| 153.175 | 0.0000 | 0.0000 | 84.855 | 0.06105 | 0.00000 | 316523.1 | 206412.7 | 100632.1 | S |
| 153.183 | 0.0000 | 0.0000 | 84.854 | 0.06105 | 0.00000 | 316523.1 | 206414.6 | 100632.1 | S |
| 153.192 | 0.0000 | 0.0000 | 84.854 | 0.06104 | 0.00000 | 316523.1 | 206416.4 | 100632.1 | S |
| 153.200 | 0.0000 | 0.0000 | 84.854 | 0.06104 | 0.00000 | 316523.1 | 206418.2 | 100632.1 | S |
| 153.208 | 0.0000 | 0.0000 | 84.854 | 0.06103 | 0.00000 | 316523.1 | 206420.1 | 100632.1 | S |
| 153.217 | 0.0000 | 0.0000 | 84.854 | 0.06102 | 0.00000 | 316523.1 | 206421.9 | 100632.1 | S |
| 153.225 | 0.0000 | 0.0000 | 84.854 | 0.06102 | 0.00000 | 316523.1 | 206423.7 | 100632.1 | S |
| 153.233 | 0.0000 | 0.0000 | 84.854 | 0.06101 | 0.00000 | 316523.1 | 206425.5 | 100632.1 | S |
| 153.242 | 0.0000 | 0.0000 | 84.853 | 0.06101 | 0.00000 | 316523.1 | 206427.4 | 100632.1 | S |
| 153.250 | 0.0000 | 0.0000 | 84.853 | 0.06100 | 0.00000 | 316523.1 | 206429.2 | 100632.1 | S |
| 153.258 | 0.0000 | 0.0000 | 84.853 | 0.06100 | 0.00000 | 316523.1 | 206431.0 | 100632.1 | S |
| 153.267 | 0.0000 | 0.0000 | 84.853 | 0.06099 | 0.00000 | 316523.1 | 206432.9 | 100632.1 | S |
| 153.275 | 0.0000 | 0.0000 | 84.853 | 0.06099 | 0.00000 | 316523.1 | 206434.7 | 100632.1 | S |
| 153.283 | 0.0000 | 0.0000 | 84.853 | 0.06098 | 0.00000 | 316523.1 | 206436.5 | 100632.1 | S |
| 153.292 | 0.0000 | 0.0000 | 84.853 | 0.06097 | 0.00000 | 316523.1 | 206438.4 | 100632.1 | S |
| 153.300 | 0.0000 | 0.0000 | 84.852 | 0.06097 | 0.00000 | 316523.1 | 206440.2 | 100632.1 | S |
| 153.308 | 0.0000 | 0.0000 | 84.852 | 0.06096 | 0.00000 | 316523.1 | 206442.0 | 100632.1 | S |
| 153.317 | 0.0000 | 0.0000 | 84.852 | 0.06096 | 0.00000 | 316523.1 | 206443.8 | 100632.1 | S |
| 153.325 | 0.0000 | 0.0000 | 84.852 | 0.06095 | 0.00000 | 316523.1 | 206445.7 | 100632.1 | S |
| 153.333 | 0.0000 | 0.0000 | 84.852 | 0.06095 | 0.00000 | 316523.1 | 206447.5 | 100632.1 | S |
| 153.342 | 0.0000 | 0.0000 | 84.852 | 0.06094 | 0.00000 | 316523.1 | 206449.3 | 100632.1 | S |
| 153.350 | 0.0000 | 0.0000 | 84.852 | 0.06094 | 0.00000 | 316523.1 | 206451.2 | 100632.1 | S |
| 153.358 | 0.0000 | 0.0000 | 84.851 | 0.06093 | 0.00000 | 316523.1 | 206453.0 | 100632.1 | S |
| 153.367 | 0.0000 | 0.0000 | 84.851 | 0.06092 | 0.00000 | 316523.1 | 206454.8 | 100632.1 | S |
| 153.375 | 0.0000 | 0.0000 | 84.851 | 0.06092 | 0.00000 | 316523.1 | 206456.6 | 100632.1 | S |
| 153.383 | 0.0000 | 0.0000 | 84.851 | 0.06091 | 0.00000 | 316523.1 | 206458.5 | 100632.1 | S |
| 153.392 | 0.0000 | 0.0000 | 84.851 | 0.06091 | 0.00000 | 316523.1 | 206460.3 | 100632.1 | S |
| 153.400 | 0.0000 | 0.0000 | 84.851 | 0.06090 | 0.00000 | 346523.1 | 206462.1 | 100632.1 | S |
| 153.408 | 0.0000 | 0.0000 | 84.851 | 0.06090 | 0.00000 | 316523.1 | 206464.0 | 100632.1 | S |
| 153.417 | 0.0000 | 0.0000 | 84.850 | 0.06089 | 0.00000 | 316523.1 | 206465.8 | 100632.1 | S |
| 153.425 | 0.0000 | 0.0000 | 84.850 | 0.06089 | 0.00000 | 316523.1 | 206467.6 | 100632.1 | S |
| 153.433 | 0.0000 | 0.0000 | 84.850 | 0.06088 | 0.00000 | 316523.1 | 206469.4 | 100632.1 | S |
| 153.442 | 0.0000 | 0.0000 | 84.850 | 0.06087 | 0.00000 | 316523.1 | 206471.3 | 100632.1 | S |
| 153.450 | 0.0000 | 0.0000 | 84.850 | 0.06087 | 0.00000 | 316523.1 | 206473.1 | 100632.1 | S |
| 153.458 | 0.0000 | 0.0000 | 84.850 | 0.06086 | 0.00000 | 316523.1 | 206474.9 | 100632.1 | S |
| 153.467 | 0.0000 | 0.0000 | 84.850 | 0.06086 | 0.00000 | 316523.1 | 206476.7 | 100632.1 | S |
| 153.475 | 0.0000 | 0.0000 | 84.849 | 0.06085 | 0.00000 | 316523.1 | 206478.6 | 100632.1 | S |
| 153.483 | 0.0000 | 0.0000 | 84.849 | 0.06085 | 0.00000 | 316523.1 | 206480.4 | 100632.1 | S |
| 153.492 | 0.0000 | 0.0000 | 84.849 | 0.06084 | 0.00000 | 316523.1 | 206482.2 | 100632.1 | S |
| 153.500 | 0.0000 | 0.0000 | 84.849 | 0.06084 | 0.00000 | 316523.1 | 206484.0 | 100632.1 | S |
| 153.508 | 0.0000 | 0.0000 | 84.849 | 0.06083 | 0.00000 | 316523.1 | 206485.9 | 100632.1 | S |
| 153.517 | 0.0000 | 0.0000 | 84.849 | 0.06082 | 0.00000 | 316523.1 | 206487.7 | 100632.1 | S |
| \$53.525 | 0.0000 | 0.0000 | 84.849 | 0.06082 | 0.00000 | 316523.1 | 206489.5 | 100632.1 | S |
| $\{53.533$ | 0.0000 | 0.0000 | 84.848 | 0.06081 | 0.00000 | 316523.1 | 206491.3 | 100632.1 | S |
| $\{53.542$ | 0.0000 | 0.0000 | 84.848 | 0.06081 | 0.00000 | 316523.1 | 206493.2 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (fl/day) | Stage Elevation ( 4 datum) | Infiltration Rate ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{1 / \mathrm{s}}$ ) | Cumulative inflow Volume (ft ${ }^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 153.550 | 0.0000 | 0.0000 | 84.848 | 0.06080 | 0.00000 | 316523.1 | 206495.0 | 100632.1 | S |
| 153.558 | 0.0000 | 0.0000 | 84.848 | 0.06080 | 0.00000 | 316523.1 | 206496.8 | 100632.1 | S |
| 153.567 | 0.0000 | 0.0000 | 84.848 | 0.06079 | 0.00000 | 316523.1 | 206498.6 | 100632.1 | S |
| 153.575 | 0.0000 | 0.0000 | 84.848 | 0.06079 | 0.00000 | 316523.1 | 206500.5 | 100632.1 | S |
| 153.583 | 0.0000 | 0.0000 | 84.848 | 0.06078 | 0.00000 | 316523.1 | 206502.3 | 100632.1 | S |
| 153.592 | 0.0000 | 0.0000 | 84.847 | 0.06078 | 0.00000 | 316523.1 | 206504.1 | 100632.1 | S |
| 153.600 | 0.0000 | 0.0000 | 84.847 | 0.06077 | 0.00000 | 316523.1 | 206505.9 | 100632.1 | S |
| 153.608 | 0.0000 | 0.0000 | 84.847 | 0.06076 | 0.00000 | 316523.1 | 206507.8 | 100632.1 | S |
| 153.617 | 0.0000 | 0.0000 | 84.847 | 0.06076 | 0.00000 | 316523.1 | 206509.6 | 100632.1 | S |
| 153.625 | 0.0000 | 0.0000 | 84.847 | 0.06075 | 0.00000 | 316523.1 | 206511.4 | 100632.1 | S |
| 153.633 | 0.0000 | 0.0000 | 84.847 | 0.06075 | 0.00000 | 316523.1 | 206513.2 | 100632.1 | S |
| 153.642 | 0.0000 | 0.0000 | 84.847 | 0.06074 | 0.00000 | 316523.1 | 206515.0 | 100632.1 | S |
| 153.650 | 0.0000 | 0.0000 | 84.846 | 0.06074 | 0.00000 | 316523.1 | 206516.9 | 100632.1 | S |
| 153.658 | 0.0000 | 0.0000 | 84.846 | 0.06073 | 0.00000 | 316523.1 | 206518.7 | 100632.1 | S |
| 153.667 | 0.0000 | 0.0000 | 84.846 | 0.06073 | 0.00000 | 316523.1 | 206520.5 | 100632.1 | S |
| 153.675 | 0.0000 | 0.0000 | 84.846 | 0.06072 | 0.00000 | 316523.1 | 206522.3 | 100632.1 | S |
| 153.683 | 0.0000 | 0.0000 | 84.846 | 0.06071 | 0.00000 | 316523.1 | 206524.2 | 100632.1 | S |
| 153.692 | 0.0000 | 0.0000 | 84.846 | 0.06071 | 0.00000 | 316523.1 | 206526.0 | 100632.1 | S |
| 153.700 | 0.0000 | 0.0000 | 84.846 | 0.06070 | 0.00000 | 316523.1 | 206527.8 | 100632.1 | S |
| 153.708 | 0.0000 | 0.0000 | 84.845 | 0.06070 | 0.00000 | 316523.1 | 206529.6 | 100632.1 | S |
| 153.717 | 0.0000 | 0.0000 | 84.845 | 0.06069 | 0.00000 | 316523.1 | 206531.4 | 100632.1 | S |
| 153.725 | 0.0000 | 0.0000 | 84.845 | 0.06069 | 0.00000 | 316523.1 | 206533.3 | 100632.1 | S |
| 153.733 | 0.0000 | 0.0000 | 84.845 | 0.06068 | 0.00000 | 316523.1 | 206535.1 | 100632.1 | S |
| 153.742 | 0.0000 | 0.0000 | 84.845 | 0.06068 | 0.00000 | 316523.1 | 206536.9 | 100632.1 | S |
| 153.750 | 0.0000 | 0.0000 | 84.845 | 0.06067 | 0.00000 | 316523.1 | 206538.7 | 100632.1 | S |
| 153.758 | 0.0000 | 0.0000 | 84.845 | 0.06067 | 0.00000 | 316523.1 | 206540.5 | 100632.1 | S |
| 153.767 | 0.0000 | 0.0000 | 84.844 | 0.06066 | 0.00000 | 316523.1 | 206542.4 | 100632.1 | S |
| 153.775 | 0.0000 | 0.0000 | 84.844 | 0.06065 | 0.00000 | 316523.1 | 206544.2 | 100632.1 | S |
| 153.783 | 0.0000 | 0.0000 | 84.844 | 0.06065 | 0.00000 | 316523.1 | 206546.0 | 100632.1 | S |
| 153.792 | 0.0000 | 0.0000 | 84.844 | 0.06064 | 0.00000 | 316523.1 | 206547.8 | 100632.1 | S |
| 153.800 | 0.0000 | 0.0000 | 84.844 | 0.06064 | 0.00000 | 316523.1 | 206549.6 | 100632.1 | S |
| 153.808 | 0.0000 | 0.0000 | 84.844 | 0.06063 | 0.00000 | 316523.1 | 206551.5 | 100632.1 | S |
| 153.817 | 0.0000 | 0.0000 | 84.844 | 0.06063 | 0.00000 | 316523.1 | 206553.3 | 100632.1 | S |
| 153.825 | 0.0000 | 0.0000 | 84.843 | 0.06062 | 0.00000 | 316523.1 | 206555.1 | 100632.1 | S |
| 153.833 | 0.0000 | 0.0000 | 84.843 | 0.06062 | 0.00000 | 316523.1 | 206556.9 | 100632.1 | S |
| 153.842 | 0.0000 | 0.0000 | 84.843 | 0.06061 | 0.00000 | 316523.1 | 206558.7 | 100632.1 | S |
| 153.850 | 0.0000 | 0.0000 | 84.843 | 0.06060 | 0.00000 | 316523.1 | 206560.5 | 100632.1 | S |
| 153.858 | 0.0000 | 0.0000 | 84.843 | 0.06060 | 0.00000 | 316523.1 | 206562.4 | 100632.1 | S |
| 153.867 | 0.0000 | 0.0000 | 84.843 | 0.06059 | 0.00000 | 316523.1 | 206564.2 | 100632.1 | S |
| 153.875 | 0.0000 | 0.0000 | 84.843 | 0.06059 | 0.00000 | 316523.1 | 206566.0 | 100632.1 | S |
| 153.883 | 0.0000 | 0.0000 | 84.842 | 0.06058 | 0.00000 | 316523.1 | 206567.8 | 100632.1 | S |
| 153.892 | 0.0000 | 0.0000 | 84.842 | 0.06058 | 0.00000 | 316523.1 | 206569.6 | 100632.1 | S |
| 153.900 | 0.0000 | 0.0000 | 84.842 | 0.06057 | 0.00000 | 316523.1 | 206571.5 | 100632.1 | S |
| 153.908 | 0.0000 | 0.0000 | 84.842 | 0.06057 | 0.00000 | 316523.1 | 206573.3 | 100632.1 | S |
| 153.917 | 0.0000 | 0.0000 | 84.842 | 0.06056 | 0.00000 | 316523.1 | 206575.1 | 100632.1 | S |
| 153.925 | 0.0000 | 0.0000 | 84.842 | 0.06056 | 0.00000 | 316523.1 | 206576.9 | 100632.1 | S |
| 153.933 | 0.0000 | 0.0000 | 84.842 | 0.06055 | 0.00000 | 316523.1 | 206578.7 | 100632.1 | S |
| 153.942 | 0.0000 | 0.0000 | 84.841 | 0.06054 | 0.00000 | 316523.1 | 206580.5 | 100632.1 | S |
| 153.950 | 0.0000 | 0.0000 | 84.841 | 0.06054 | 0.00000 | 316523.1 | 206582.4 | 100632.1 | S |
| 153.958 | 0.0000 | 0.0000 | 84.841 | 0.06053 | 0.00000 | 316523.1 | 206584.2 | 100632.1 | S |
| 153.967 | 0.0000 | 0.0000 | 84.841 | 0.06053 | 0.00000 | 316523.1 | 206586.0 | 100632.1 | S |
| 153.975 | 0.0000 | 0.0000 | 84.841 | 0.06052 | 0.00000 | 316523.1 | 206587.8 | 100632.1 | S |
| 153.983 | 0.0000 | 0.0000 | 84.841 | 0.06052 | 0.00000 | 316523.1 | 206589.6 | 100632.1 | S |
| 153.992 | 0.0000 | 0.0000 | 84.841 | 0.06051 | 0.00000 | 316523.1 | 206591.4 | 100632.1 | S |
| 154.000 | 0.0000 | 0.0000 | 84.840 | 0.06051 | 0.00000 | 316523.1 | 206593.3 | 100632.1 | S |
| 154.008 | 0.0000 | 0.0000 | 84.840 | 0.06050 | 0.00000 | 316523.1 | 206595.1 | 100632.1 | S |
| 154.017 | 0.0000 | 0.0000 | 84.840 | 0.06049 | 0.00000 | 316523.1 | 206596.9 | 100632.1 | S |
| 154.025 | 0.0000 | 0.0000 | 84.840 | 0.06049 | 0.00000 | 316523.1 | 206598.7 | 100632.1 | S |
| 154.033 | 0.0000 | 0.0000 | 84.840 | 0.06048 | 0.00000 | 316523.1 | 206600.5 | 100632.1 | S |
| 154.042 | 0.0000 | 0.0000 | 84.840 | 0.06048 | 0.00000 | 316523.1 | 206602.3 | 100632.1 | S |
| 154.050 | 0.0000 | 0.0000 | 84.840 | 0.06047 | 0.00000 | 316523.1 | 206604.1 | 100632.1 | S |
| 154.058 | 0.0000 | 0.0000 | 84.839 | 0.06047 | 0.00000 | 316523.1 | 206606.0 | 100632.1 | S |
| 154.067 | 0.0000 | 0.0000 | 84.839 | 0.06046 | 0.00000 | 316523.1 | 206607.8 | 100632.1 | S |
| 154.075 | 0.0000 | 0.0000 | 84.839 | 0.06046 | 0.00000 | 316523.1 | 206609.6 | 100632.1 | S |
| 154.083 | 0.0000 | 0.0000 | 84.839 | 0.06045 | 0.00000 | 316523.1 | 206611.4 | 100632.1 | S |
| 154.092 | 0.0000 | 0.0000 | 84.839 | 0.06045 | 0.00000 | 316523.1 | 206613.2 | 100632.1 | S |
| 154.100 | 0.0000 | 0.0000 | 84.839 | 0.06044 | 0.00000 | 316523.1 | 206615.0 | 100632.1 | S |
| 154.108 | 0.0000 | 0.0000 | 84.839 | 0.06043 | 0.00000 | 316523.1 | 206616.8 | 100632.1 | S |
| 154.117 | 0.0000 | 0.0000 | 84.838 | 0.06043 | 0.00000 | 316523.1 | 206618.6 | 100632.1 | S |
| 154.125 | 0.0000 | 0.0000 | 84.838 | 0.06042 | 0.00000 | 316523.1 | 206620.5 | 100632.1 | S |
| 154.133 | 0.0000 | 0.0000 | 84.838 | 0.06042 | 0.00000 | 316523.1 | 206622.3 | 100632.1 | S |
| 154.142 | 0.0000 | 0.0000 | 84.838 | 0.06041 | 0.00000 | 316523.1 | 206624.1 | 100632.1 | S |
| 154.150 | 0.0000 | 0.0000 | 84.838 | 0.06041 | 0.00000 | 316523.1 | 206625.9 | 100632.1 | S |
| 154.158 | 0.0000 | 0.0000 | 84.838 | 0.06040 | 0.00000 | 316523.1 | 206627.7 | 100632.1 | S |

PONDS Version 3.2.0207

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{t}^{3 / 3} \mathrm{~s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | $\begin{aligned} & \text { Cumulative } \\ & \text { Inflow } \\ & \text { volume }\left(\mathrm{ft}^{3}\right) \end{aligned}$ | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 154.167 | 0.0000 | 0.0000 | 84.838 | 0.06040 | 0.00000 | 316523.1 | 206629.5 | 100632.1 | S |
| 154.175 | 0.0000 | 0.0000 | 84.837 | 0.06039 | 0.00000 | 316523.1 | 206631.3 | 100632.1 | S |
| 154.183 | 0.0000 | 0.0000 | 84.837 | 0.06038 | 0.00000 | 316523.1 | 206633.1 | 100632.1 | S |
| 154.192 | 0.0000 | 0.0000 | 84.837 | 0.06038 | 0.00000 | 316523.1 | 206635.0 | 100632.1 | S |
| 154.200 | 0.0000 | 0.0000 | 84.837 | 0.06037 | 0.00000 | 316523.1 | 206636.8 | 100632.1 | S |
| 154.208 | 0.0000 | 0.0000 | 84.837 | 0.06037 | 0.00000 | 316523.1 | 206638.6 | 100632.1 | S |
| 154.217 | 0.0000 | 0.0000 | 84.837 | 0.06036 | 0.00000 | 316523.1 | 206640.4 | 100632.1 | S |
| 454.225 | 0.0000 | 0.0000 | 84.837 | 0.06036 | 0.00000 | 316523.1 | 206642.2 | 100632.1 | S |
| 154.233 | 0.0000 | 0.0000 | 84.836 | 0.06035 | 0.00000 | 316523.1 | 206644.0 | 100632.1 | S |
| 154.242 | 0.0000 | 0.0000 | 84.836 | 0.06035 | 0.00000 | 316523.1 | 206645.8 | 100632.1 | S |
| 154.250 | 0.0000 | 0.0000 | 84.836 | 0.06034 | 0.00000 | 316523.1 | 206647.6 | 100632.1 | S |
| 154.258 | 0.0000 | 0.0000 | 84.836 | 0.06034 | 0.00000 | 316523.1 | 206649.4 | 100632.7 | S |
| 154.267 | 0.0000 | 0.0000 | 84.836 | 0.06033 | 0.00000 | 316523.1 | 206651.3 | 100632.1 | S |
| 154.275 | 0.0000 | 0.0000 | 84.836 | 0.06032 | 0.00000 | 316523.1 | 206653.1 | 100632.1 | S |
| 154.283 | 0.0000 | 0.0000 | 84.836 | 0.06032 | 0.00000 | 316523.1 | 206654.9 | 100632.1 | S |
| 154.292 | 0.0000 | 0.0000 | 84.835 | 0.06031 | 0.00000 | 316523.1 | 206656.7 | 100632.1 | S |
| 154.300 | 0.0000 | 0.0000 | 84.835 | 0.06031 | 0.00000 | 316523.1 | 206658.5 | 100632.1 | S |
| 154.308 | 0.0000 | 0.0000 | 84.835 | 0.06030 | 0.00000 | 316523.1 | 206660.3 | 100632.1 | S |
| 154.317 | 0.0000 | 0.0000 | 84.835 | 0.06030 | 0.00000 | 316523.1 | 206662.1 | 100632.1 | S |
| 154.325 | 0.0000 | 0.0000 | 84.835 | 0.06029 | 0.00000 | 316523.1 | 206663.9 | 100632.1 | S |
| 154.333 | 0.0000 | 0.0000 | 84.835 | 0.06029 | 0.00000 | 316523.1 | 206665.7 | 100632.1 | S |
| 154.342 | 0.0000 | 0.0000 | 84.835 | 0.06028 | 0.00000 | 316523.1 | 206667.5 | 100632.1 | S |
| 154.350 | 0.0000 | 0.0000 | 84.834 | 0.06028 | 0.00000 | 316523.1 | 206669.3 | 100632.1 | S |
| 154.358 | 0.0000 | 0.0000 | 84.834 | 0.06027 | 0.00000 | 316523.1 | 206671.2 | 100632.1 | S |
| 154.367 | 0.0000 | 0.0000 | 84.834 | 0.06026 | 0.00000 | 316523.1 | 206673.0 | 100632.1 | S |
| 154.375 | 0.0000 | 0.0000 | 84.834 | 0.06026 | 0.00000 | 316523.1 | 206674.8 | 100632.1 | S |
| 154.383 | 0.0000 | 0.0000 | 84.834 | 0.06025 | 0.00000 | 316523.1 | 206676.6 | 100632.1 | S |
| 154.392 | 0.0000 | 0.0000 | 84.834 | 0.06025 | 0.00000 | 316523.1 | 206678.4 | 100632.1 | S |
| 154.400 | 0.0000 | 0.0000 | 84.834 | 0.06024 | 0.00000 | 316523.1 | 206680.2 | 100632.1 | S |
| 154.408 | 0.0000 | 0.0000 | 84.833 | 0.06024 | 0.00000 | 316523.1 | 206682.0 | 100632.1 | S |
| 154.417 | 0.0000 | 0.0000 | 84.833 | 0.06023 | 0.00000 | 316523.1 | 206683.8 | 100632.1 | S |
| 154.425 | 0.0000 | 0.0000 | 84.833 | 0.06023 | 0.00000 | 316523.1 | 206685.6 | 100632.1 | S |
| 154.433 | 0.0000 | 0.0000 | 84.833 | 0.06022 | 0.00000 | 316523.1 | 206687.4 | 100632.1 | S |
| 154.442 | 0.0000 | 0.0000 | 84.833 | 0.06022 | 0.00000 | 316523.1 | 206689.2 | 100632.1 | S |
| 154.450 | 0.0000 | 0.0000 | 84.833 | 0.06021 | 0.00000 | 316523.1 | 206691.0 | 100632.1 | S |
| 154.458 | 0.0000 | 0.0000 | 84.833 | 0.06020 | 0.00000 | 316523.1 | 206692.8 | 100632.1 | S |
| 154.467 | 0.0000 | 0.0000 | 84.832 | 0.06020 | 0.00000 | 316523.1 | 206694.6 | 100632.1 | S |
| 154.475 | 0.0000 | 0.0000 | 84.832 | 0.06019 | 0.00000 | 316523.1 | 206696.5 | 100632.1 | S |
| 154.483 | 0.0000 | 0.0000 | 84.832 | 0.06019 | 0.00000 | 316523.1 | 206698.3 | 100632.1 | S |
| 154.492 | 0.0000 | 0.0000 | 84.832 | 0.06018 | 0.00000 | 316523.1 | 206700.4 | 100632.1 | S |
| 154.500 | 0.0000 | 0.0000 | 84.832 | 0.06018 | 0.00000 | 316523.1 | 206701.9 | 100632.1 | S |
| 154.508 | 0.0000 | 0.0000 | 84.832 | 0.06017 | 0.00000 | 316523.1 | 206703.7 | 100632.1 | S |
| 154.517 | 0.0000 | 0.0000 | 84.832 | 0.06017 | 0.00000 | 316523.1 | 206705.5 | 100632.1 | S |
| 154.525 | 0.0000 | 0.0000 | 84.831 | 0.06016 | 0.00000 | 316523.1 | 206707.3 | 100632.1 | S |
| 154.533 | 0.0000 | 0.0000 | 84.831 | 0.06016 | 0.00000 | 316523.1 | 206709.1 | 100632.1 | S |
| 154.542 | 0.0000 | 0.0000 | 84.831 | 0.06015 | 0.00000 | 316523.1 | 206710.9 | 100632.1 | S |
| 154.550 | 0.0000 | 0.0000 | 84.831 | 0.06014 | 0.00000 | 316523.1 | 206712.7 | 100632.1 | S |
| 154.558 | 0.0000 | 0.0000 | 84.831 | 0.06014 | 0.00000 | 316523.1 | 206714.5 | 100632.1 | S |
| 154.567 | 0.0000 | 0.0000 | 84.831 | 0.06013 | 0.00000 | 316523.1 | 206716.3 | 100632.1 | S |
| 154.575 | 0.0000 | 0.0000 | 84.831 | 0.06013 | 0.00000 | 316523.1 | 206718.1 | 100632.1 | S |
| 154.583 | 0.0000 | 0.0000 | 84.830 | 0.06012 | 0.00000 | 316523.1 | 206719.9 | 100632.1 | S |
| 154.592 | 0.0000 | 0.0000 | 84.830 | 0.06012 | 0.00000 | 316523.1 | 206721.7 | 100632.1 | S |
| 154.600 | 0.0000 | 0.0000 | 84.830 | 0.06011 | 0.00000 | 316523.1 | 206723.5 | 100632.1 | S |
| 154.608 | 0.0000 | 0.0000 | 84.830 | 0.06011 | 0.00000 | 316523.1 | 206725.3 | 100632.1 | S |
| 154.617 | 0.0000 | 0.0000 | 84.830 | 0.06010 | 0.00000 | 316523.1 | 206727.1 | 100632.1 | S |
| 154.625 | 0.0000 | 0.0000 | 84.830 | 0.06010 | 0.00000 | 316523.1 | 206728.9 | 100632.1 | S |
| 154.633 | 0.0000 | 0.0000 | 84.830 | 0.06009 | 0.00000 | 316523.1 | 206730.7 | 100632.1 | S |
| 154.642 | 0.0000 | 0.0000 | 84.829 | 0.06008 | 0.00000 | 316523.1 | 206732.5 | 100632.1 | S |
| 154.650 | 0.0000 | 0.0000 | 84.829 | 0.06008 | 0.00000 | 316523.1 | 206734.3 | 100632.1 | S |
| 154.658 | 0.0000 | 0.0000 | 84.829 | 0.06007 | 0.00000 | 316523.1 | 206736.1 | 100632.1 | S |
| 154.667 | 0.0000 | 0.0000 | 84.829 | 0.06007 | 0.00000 | 316523.1 | 206737.9 | 100632.1 | S |
| 154.675 | 0.0000 | 0.0000 | 84.829 | 0.06006 | 0.00000 | 316523.1 | 206739.7 | 100632.1 | S |
| 154.683 | 0.0000 | 0.0000 | 84.829 | 0.06006 | 0.00000 | 316523.1 | 206741.5 | 100632.1 | S |
| 154.692 | 0.0000 | 0.0000 | 84.829 | 0.06005 | 0.00000 | 316523.1 | 206743.3 | 100632.1 | S |
| 154.700 | 0.0000 | 0.0000 | 84.828 | 0.06005 | 0.00000 | 316523.1 | 206745.1 | 100632.1 | S |
| 154.708 | 0.0000 | 0.0000 | 84.828 | 0.06004 | 0.00000 | 316523.1 | 206746.9 | 100632.1 | S |
| 154.717 | 0.0000 | 0.0000 | 84.828 | 0.06004 | 0.00000 | 316523.1 | 206748.8 | 100632.1 | S |
| 154.725 | 0.0000 | 0.0000 | 84.828 | 0.06003 | 0.00000 | 316523.1 | 206750.5 | 100632.1 | S |
| 154.733 | 0.0000 | 0.0000 | 84.828 | 0.06002 | 0.00000 | 316523.1 | 206752.3 | 100632.1 | S |
| 154.742 | 0.0000 | 0.0000 | 84.828 | 0.06002 | 0.00000 | 316523.1 | 206754.1 | 100632.1 | S |
| 154.750 | 0.0000 | 0.0000 | 84.828 | 0.06001 | 0.00000 | 316523.1 | 206756.0 | 100632.1 | S |
| 154.758 | 0.0000 | 0.0000 | 84.828 | 0.06001 | 0.00000 | 316523.1 | 206757.8 | 100632.1 | S |
| 154.767 | 0.0000 | 0.0000 | 84.827 | 0.06000 | 0.00000 | 316523.1 | 206759.5 | 100632.1 | S |
| 154.775 | 0.0000 | 0.0000 | 84.827 | 0.06000 | 0.00000 | 316523.1 | 206761.3 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (IV/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative unflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative fnfiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | $\begin{aligned} & \text { Flow } \\ & \text { Type } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 154.783 | 0.0000 | 0.0000 | 84.827 | 0.05999 | 0.00000 | $3 \uparrow 6523.1$ | 206763.2 | 100632.1 | S |
| 154.792 | 0.0000 | 0.0000 | 84.827 | 0.05999 | 0.00000 | 316523.1 | 206765.0 | 100632.1 | S |
| 154.800 | 0.0000 | 0.0000 | 84.827 | 0.05998 | 0.00000 | 316523.1 | 206766.8 | 100632.1 | S |
| 154.808 | 0.0000 | 0.0000 | 84.827 | 0.05998 | 0.00000 | 316523.1 | 206768.5 | 100632.1 | S |
| 154.817 | 0.0000 | 0.0000 | 84.827 | 0.05997 | 0.00000 | 316523.1 | 206770.3 | 100632.1 | S |
| 154.825 | 0.0000 | 0.0000 | 84.826 | 0.05996 | 0.00000 | 316523.1 | 206772.1 | 100632.1 | S |
| 154.833 | 0.0000 | 0.0000 | 84.826 | 0.05996 | 0.00000 | 316523.1 | 206773.9 | 100632.1 | S |
| 154.842 | 0.0000 | 0.0000 | 84.826 | 0.05995 | 0.00000 | 316523.1 | 206775.8 | 100632.1 | S |
| 154.850 | 0.0000 | 0.0000 | 84.826 | 0.05995 | 0.00000 | 316523.1 | 206777.5 | 100632.1 | S |
| 154.858 | 0.0000 | 0.0000 | 84.826 | 0.05994 | 0.00000 | 316523.1 | 206779.3 | 100632.1 | S |
| 154.867 | 0.0000 | 0.0000 | 84.826 | 0.05994 | 0.00000 | 316523.1 | 206781.1 | 100632.1 | S |
| 154.875 | 0.0000 | 0.0000 | 84.826 | 0.05993 | 0.00000 | 316523.1 | 206782.9 | 100632.1 | S |
| 154.883 | 0.0000 | 0.0000 | 84.825 | 0.05993 | 0.00000 | 316523.1 | 206784.7 | 100632.1 | S |
| 154.892 | 0.0000 | 0.0000 | 84.825 | 0.05992 | 0.00000 | 316523.1 | 206786.5 | 100632.1 | S |
| 154.900 | 0.0000 | 0.0000 | 84.825 | 0.05992 | 0.00000 | 316523.1 | 206788.3 | 100632.1 | S |
| 154.908 | 0.0000 | 0.0000 | 84.825 | 0.05991 | 0.00000 | 316523.1 | 206790.1 | 100632.1 | S |
| 154.917 | 0.0000 | 0.0000 | 84.825 | 0.05991 | 0.00000 | 316523.1 | 206791.9 | 100632.1 | S |
| 154.925 | 0.0000 | 0.0000 | 84.825 | 0.05990 | 0.00000 | 316523.1 | 206793.7 | 100632.1 | S |
| 154.933 | 0.0000 | 0.0000 | 84.825 | 0.05989 | 0.00000 | 316523.1 | 206795.5 | 100632.1 | S |
| 154.942 | 0.0000 | 0.0000 | 84.824 | 0.05989 | 0.00000 | 316523.1 | 206797.3 | 100632.1 | S |
| 154.950 | 0.0000 | 0.0000 | 84.824 | 0.05988 | 0.00000 | 316523.1 | 206799.1 | 100632.1 | S |
| 154.958 | 0.0000 | 0.0000 | 84.824 | 0.05988 | 0.00000 | 316523.1 | 206800.9 | 100632.1 | S |
| 154.967 | 0.0000 | 0.0000 | 84.824 | 0.05987 | 0.00000 | 316523.1 | 206802.7 | 100632.1 | S |
| 154.975 | 0.0000 | 0.0000 | 84.824 | 0.05987 | 0.00000 | 316523.1 | 206804.5 | 100632.1 | S |
| 154.983 | 0.0000 | 0.0000 | 84.824 | 0.05986 | 0.00000 | 316523.1 | 206806.3 | 100632.1 | S |
| 154.992 | 0.0000 | 0.0000 | 84.824 | 0.05986 | 0.00000 | 316523.1 | 206808.1 | 100632.1 | S |
| 155.000 | 0.0000 | 0.0000 | 84.823 | 0.05985 | 0.00000 | 316523.1 | 206809.9 | 100632.1 | S |
| 155.008 | 0.0000 | 0.0000 | 84.823 | 0.05985 | 0.00000 | 316523.1 | 206811.7 | 100632.1 | S |
| 155.017 | 0.0000 | 0.0000 | 84.823 | 0.05984 | 0.00000 | 316523.1 | 206813.5 | 100632.1 | S |
| 155.025 | 0.0000 | 0.0000 | 84.823 | 0.05983 | 0.00000 | 316523.1 | 206815.3 | 100632.1 | S |
| 155.033 | 0.0000 | 0.0000 | 84.823 | 0.05983 | 0.00000 | 316523.1 | 206817.1 | 100632.1 | S |
| 155.042 | 0.0000 | 0.0000 | 84.823 | 0.05982 | 0.00000 | 316523.1 | 206818.9 | 100632.1 | S |
| 155.050 | 0.0000 | 0.0000 | 84.823 | 0.05982 | 0.00000 | 316523.1 | 206820.7 | 100632.7 | S |
| \$55.058 | 0.0000 | 0.0000 | 84.822 | 0.05981 | 0.00000 | 316523.1 | 206822.5 | 100632.1 | S |
| 155.067 | 0.0000 | 0.0000 | 84.822 | 0.05981 | 0.00000 | 316523.1 | 206824.3 | 100632.1 | S |
| 155.075 | 0.0000 | 0.0000 | 84.822 | 0.05980 | 0.00000 | 316523.1 | 206826.0 | 100632.1 | S |
| 155.083 | 0.0000 | 0.0000 | 84.822 | 0.05980 | 0.00000 | 316523.1 | 206827.8 | 100632.1 | S |
| 155.092 | 0.0000 | 0.0000 | 84.822 | 0.05979 | 0.00000 | 316523.1 | 206829.6 | 100632.1 | S |
| 155.100 | 0.0000 | 0.0000 | 84.822 | 0.05979 | 0.00000 | 316523.1 | 206831.4 | 100632.1 | S |
| 155.108 | 0.0000 | 0.0000 | 84.822 | 0.05978 | 0.00000 | 316523.1 | 206833.2 | 100632.1 | S |
| 155.117 | 0.0000 | 0.0000 | 84.821 | 0.05978 | 0.00000 | 316523.1 | 206835.0 | 100632.1 | S |
| 155.125 | 0.0000 | 0.0000 | 84.821 | 0.05977 | 0.00000 | 316523.1 | 206836.8 | 100632.1 | 5 |
| 155.133 | 0.0000 | 0.0000 | 84.821 | 0.05976 | 0.00000 | 316523.1 | 206838.6 | 100632.1 | S |
| 155.142 | 0.0000 | 0.0000 | 84.821 | 0.05976 | 0.00000 | 316523.1 | 206840.4 | 100632.1 | S |
| 155.150 | 0.0000 | 0.0000 | 84.821 | 0.05975 | 0.00000 | 316523.1 | 206842.2 | 100632.1 | S |
| 155.158 | 0.0000 | 0.0000 | 84.821 | 0.05975 | 0.00000 | 316523.1 | 206844.0 | 100632.1 | S |
| 155.167 | 0.0000 | 0.0000 | 84.821 | 0.05974 | 0.00000 | 316523.1 | 206845.8 | 100632.1 | S |
| 155.175 | 0.0000 | 0.0000 | 84.820 | 0.05974 | 0.00000 | 316523.1 | 206847.6 | 100632.1 | S |
| 155.183 | 0.0000 | 0.0000 | 84.820 | 0.05973 | 0.00000 | 316523.1 | 206849.3 | 100632.1 | S |
| 155.192 | 0.0000 | 0.0000 | 84.820 | 0.05973 | 0.00000 | 316523.1 | 206851.1 | 100632.1 | S |
| 155.200 | 0.0000 | 0.0000 | 84.820 | 0.05972 | 0.00000 | 316523.1 | 206852.9 | 100632.1 | 5 |
| 155.208 | 0.0000 | 0.0000 | 84.820 | 0.05972 | 0.00000 | 316523.1 | 206854.7 | 100632.1 | S |
| 155.217 | 0.0000 | 0.0000 | 84.820 | 0.05971 | 0.00000 | 316523.1 | 206856.5 | 100632.1 | S |
| 155.225 | 0.0000 | 0.0000 | 84.820 | 0.05970 | 0.00000 | 316523.1 | 206858.3 | 100632.1 | S |
| 155.233 | 0.0000 | 0.0000 | 84.819 | 0.05970 | 0.00000 | 316523.1 | 206860.1 | 100632.1 | S |
| 155.242 | 0.0000 | 0.0000 | 84.819 | 0.05969 | 0.00000 | 316523.1 | 206861.9 | 100632.1 | S |
| 155.250 | 0.0000 | 0.0000 | 84.819 | 0.05969 | 0.00000 | 316523.1 | 206863.7 | 100632.1 | S |
| 155.258 | 0.0000 | 0.0000 | 84.819 | 0.05968 | 0.00000 | 316523.1 | 206865.5 | 100632.1 | S |
| 155.267 | 0.0000 | 0.0000 | 84.819 | 0.05968 | 0.00000 | 316523.1 | 206867.3 | 100632.1 | S |
| 155.275 | 0.0000 | 0.0000 | 84.819 | 0.05967 | 0.00000 | 316523.1 | 206869.0 | 100632.1 | S |
| 155.283 | 0.0000 | 0.0000 | 84.819 | 0.05967 | 0.00000 | 316523.1 | 206870.8 | 100632.1 | S |
| 155.292 | 0.0000 | 0.0000 | 84.818 | 0.05966 | 0.00000 | 316523.1 | 206872.6 | 100632.1 | S |
| 155.300 | 0.0000 | 0.0000 | 84.818 | 0.05966 | 0.00000 | 316523.1 | 206874.4 | 100632.1 | 5 |
| 155.308 | 0.0000 | 0.0000 | 84.818 | 0.05965 | 0.00000 | 316523.1 | 206876.2 | 100632.1 | S |
| 155.317 | 0.0000 | 0.0000 | 84.818 | 0.05965 | 0.00000 | 316523.1 | 206878.0 | 100632.1 | S |
| 155.325 | 0.0000 | 0.0000 | 84.818 | 0.05964 | 0.00000 | 316523.1 | 206879.8 | 100632.1 | S |
| 155.333 | 0.0000 | 0.0000 | 84.818 | 0.05963 | 0.00000 | 316523.1 | 206881.6 | 100632.1 | S |
| 155.342 | 0.0000 | 0.0000 | 84.818 | 0.05963 | 0.00000 | 316523.1 | 206883.4 | 100632.1 | S |
| 155.350 | 0.0000 | 0.0000 | 84.817 | 0.05962 | 0.00000 | 316523.1 | 206885.2 | 100632.1 | S |
| 155.358 | 0.0000 | 0.0000 | 84.817 | 0.05962 | 0.00000 | 316523.1 | 206886.9 | 100632.1 | S |
| 155,367 | 0.0000 | 0.0000 | 84.817 | 0.05961 | 0.00000 | 316523.1 | 206888.7 | 100632.1 | S |
| 155.375 | 0.0000 | 0.0000 | 84.817 | 0.05961 | 0.00000 | 316523.1 | 206890.5 | 100632.1 | S |
| 155.383 | 0.0000 | 0.0000 | 84.817 | 0.05960 | 0.00000 | 316523.1 | 206892.3 | 100632.1 | S |
| 155.392 | 0.0000 | 0.0000 | 84.817 | 0.05960 | 0.00000 | 316523.1 | 206894.1 | 100632.1 | S |

# PONDS Version 3.2.0207 <br> Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E. 

Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (It/day) | Stage Elevation (fl datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 155.400 | 0.0000 | 0.0000 | 84.817 | 0.05959 | 0.00000 | 316523.1 | 206895.9 | 100632.1 | S |
| 155.408 | 0.0000 | 0.0000 | 84.816 | 0.05959 | 0.00000 | 316523.1 | 206897.7 | 100632.1 | S |
| 155.417 | 0.0000 | 0.0000 | 84.816 | 0.05958 | 0.00000 | 316523.1 | 206899.5 | 100632.1 | S |
| 155.425 | 0.0000 | 0.0000 | 84.816 | 0.05958 | 0.00000 | 316523.1 | 206901.3 | 100632.1 | S |
| 155.433 | 0.0000 | 0.0000 | 84.816 | 0.05957 | 0.00000 | 316523.1 | 206903.0 | 100632.1 | S |
| 155.442 | 0.0000 | 0.0000 | 84.816 | 0.05956 | 0.00000 | 316523.1 | 206904.8 | 100632.1 | S |
| 155.450 | 0.0000 | 0.0000 | 84.816 | 0.05956 | 0.00000 | 316523.1 | 206906.6 | 100632.1 | S |
| 155.458 | 0.0000 | 0.0000 | 84.816 | 0.05955 | 0.00000 | 316523.1 | 206908.4 | 100632.1 | S |
| 155.467 | 0.0000 | 0.0000 | 84.815 | 0.05955 | 0.00000 | 316523.1 | 206910.2 | 100632.1 | S |
| 155.475 | 0.0000 | 0.0000 | 84.815 | 0.05954 | 0.00000 | 316523.1 | 206912.0 | 100632.1 | S |
| 155.483 | 0.0000 | 0.0000 | 84.815 | 0.05954 | 0.00000 | 316523.1 | 206913.8 | 100632.1 | S |
| 155.492 | 0.0000 | 0.0000 | 84.815 | 0.05953 | 0.00000 | 316523.1 | 206915.5 | 100632.1 | S |
| 155.500 | 0.0000 | 0.0000 | 84.815 | 0.05953 | 0.00000 | 316523.1 | 206917.3 | 100632.1 | S |
| 155.508 | 0.0000 | 0.0000 | 84.815 | 0.05952 | 0.00000 | 316523.1 | 206919.1 | 100632.1 | S |
| 155.517 | 0.0000 | 0.0000 | 84.815 | 0.05952 | 0.00000 | 316523.1 | 206920.9 | 100632.1 | S |
| 155.525 | 0.0000 | 0.0000 | 84.815 | 0.05951 | 0.00000 | 316523.1 | 206922.7 | 100632.1 | S |
| 155.533 | 0.0000 | 0.0000 | 84.814 | 0.05951 | 0.00000 | 316523.1 | 206924.5 | 100632.1 | S |
| 155.542 | 0.0000 | 0.0000 | 84.814 | 0.05950 | 0.00000 | 316523.1 | 206926.3 | 100632.1 | S |
| 155.550 | 0.0000 | 0.0000 | 84.814 | 0.05949 | 0.00000 | 316523.1 | 206928.0 | 100632.1 | S |
| 155.558 | 0.0000 | 0.0000 | 84.814 | 0.05949 | 0.00000 | 316523.1 | 206929.8 | 100632.1 | S |
| 155.567 | 0.0000 | 0.0000 | 84.814 | 0.05948 | 0.00000 | 316523.1 | 206931.6 | 100632.1 | S |
| 155.575 | 0.0000 | 0.0000 | 84.814 | 0.05948 | 0.00000 | 316523.1 | 206933.4 | 100632.1 | S |
| 155.583 | 0.0000 | 0.0000 | 84.814 | 0.05947 | 0.00000 | 316523.1 | 206935.2 | 100632.1 | S |
| 155.592 | 0.0000 | 0.0000 | 84.813 | 0.05947 | 0.00000 | 316523.1 | 206937.0 | 100632.1 | S |
| 155.600 | 0.0000 | 0.0000 | 84.813 | 0.05946 | 0.00000 | 316523.1 | 206938.8 | 100632.1 | S |
| 155.608 | 0.0000 | 0.0000 | 84.813 | 0.05946 | 0.00000 | 316523.1 | 206940.5 | 100632.1 | S |
| 155.617 | 0.0000 | 0.0000 | 84.813 | 0.05945 | 0.00000 | 316523.1 | 206942.3 | 100632.1 | S |
| 155.625 | 0.0000 | 0.0000 | 84.813 | 0.05945 | 0.00000 | 316523.1 | 206944.1 | 100632.1 | S |
| 155.633 | 0.0000 | 0.0000 | 84.813 | 0.05944 | 0.00000 | 316523.1 | 206945.9 | 100632.1 | S |
| 155.642 | 0.0000 | 0.0000 | 84.813 | 0.05944 | 0.00000 | 316523.1 | 206947.7 | 100632.1 | S |
| 155.650 | 0.0000 | 0.0000 | 84.812 | 0.05943 | 0.00000 | 316523.1 | 206949.4 | 100632.1 | S |
| 155.658 | 0.0000 | 0.0000 | 84.812 | 0.05942 | 0.00000 | 316523.1 | 206951.2 | 100632.1 | S |
| 155.667 | 0.0000 | 0.0000 | 84.812 | 0.05942 | 0.00000 | 316523.1 | 206953.0 | 100632.1 | S |
| 155.675 | 0.0000 | 0.0000 | 84.812 | 0.05941 | 0.00000 | 316523.1 | 206954.8 | 100632.1 | S |
| 155.683 | 0.0000 | 0.0000 | 84.812 | 0.05941 | 0.00000 | 316523.1 | 206956.6 | 100632.1 | S |
| 155.692 | 0.0000 | 0.0000 | 84.812 | 0.05940 | 0.00000 | 316523.1 | 206958.4 | 100632.1 | S |
| 155.700 | 0.0000 | 0.0000 | 84.812 | 0.05940 | 0.00000 | 316523.1 | 206960.1 | 100632.1 | S |
| 155.708 | 0.0000 | 0.0000 | 84.811 | 0.05939 | 0.00000 | 316523.1 | 206961.9 | 100632.1 | S |
| 155.717 | 0.0000 | 0.0000 | 84.811 | 0.05939 | 0.00000 | 316523.1 | 206963.7 | 100632.1 | S |
| 155.725 | 0.0000 | 0.0000 | 84.811 | 0.05938 | 0.00000 | 316523.1 | 206965.5 | 100632.1 | S |
| 155.733 | 0.0000 | 0.0000 | 84.811 | 0.05938 | 0.00000 | 316523.1 | 206967.3 | 100632.1 | S |
| 155.742 | 0.0000 | 0.0000 | 84.811 | 0.05937 | 0.00000 | 316523.1 | 206969.0 | 100632.1 | S |
| 155.750 | 0.0000 | 0.0000 | 84.811 | 0.05937 | 0.00000 | 316523.1 | 206970.8 | 100632.1 | S |
| 155.758 | 0.0000 | 0.0000 | 84.811 | 0.05936 | 0.00000 | 316523.1 | 206972.6 | 100632.1 | S |
| 155.767 | 0.0000 | 0.0000 | 84.810 | 0.05935 | 0.00000 | 316523.1 | 206974.4 | 100632.1 | S |
| 155.775 | 0.0000 | 0.0000 | 84.810 | 0.05935 | 0.00000 | 316523.1 | 206976.2 | 100632.1 | S |
| 155.783 | 0.0000 | 0.0000 | 84.810 | 0.05934 | 0.00000 | 316523.1 | 206978.0 | 100632.1 | S |
| 155.792 | 0.0000 | 0.0000 | 84.810 | 0.05934 | 0.00000 | 316523.1 | 206979.7 | 100632.1 | S |
| 155.800 | 0.0000 | 0.0000 | 84.810 | 0.05933 | 0.00000 | 316523.1 | 206981.5 | 100632.1 | S |
| 155.808 | 0.0000 | 0.0000 | 84.810 | 0.05933 | 0.00000 | 316523.1 | 206983.3 | 100632.1 | S |
| 155.817 | 0.0000 | 0.0000 | 84.810 | 0.05932 | 0.00000 | 316523.1 | 206985.1 | 100632.1 | S |
| 155.825 | 0.0000 | 0.0000 | 84.809 | 0.05932 | 0.00000 | 316523.1 | 206986.8 | 100632.1 | S |
| 155.833 | 0.0000 | 0.0000 | 84.809 | 0.05931 | 0.00000 | 316523.1 | 206988.6 | 100632.1 | S |
| 155.842 | 0.0000 | 0.0000 | 84.809 | 0.05931 | 0.00000 | 316523.1 | 206990.4 | 100632.1 | S |
| 155.850 | 0.0000 | 0.0000 | 84.809 | 0.05930 | 0.00000 | 316523.1 | 206992.2 | 100632.1 | S |
| 155.858 | 0.0000 | 0.0000 | 84.809 | 0.05930 | 0.00000 | 316523.1 | 206994.0 | 100632.1 | S |
| 755.867 | 0.0000 | 0.0000 | 84.809 | 0.05929 | 0.00000 | 316523.1 | 206995.8 | 100632.1 | S |
| 155.875 | 0.0000 | 0.0000 | 84.809 | 0.05928 | 0.00000 | 316523.1 | 206997.5 | 100632.1 | S |
| 155.883 | 0.0000 | 0.0000 | 84.808 | 0.05928 | 0.00000 | 316523.1 | 206999.3 | 100632.1 | S |
| 155.892 | 0.0000 | 0.0000 | 84.808 | 0.05927 | 0.00000 | 316523.1 | 207001.1 | 100632.1 | S |
| 155.900 | 0.0000 | 0.0000 | 84.808 | 0.05927 | 0.00000 | 316523.1 | 207002.9 | 100632.1 | S |
| 155.908 | 0.0000 | 0.0000 | 84.808 | 0.05926 | 0.00000 | 316523.1 | 207004.6 | 100632.1 | S |
| 155.917 | 0.0000 | 0.0000 | 84.808 | 0.05926 | 0.00000 | 316523.1 | 207006.4 | 100632.1 | S |
| 155.925 | 0.0000 | 0.0000 | 84.808 | 0.05925 | 0.00000 | 316523.1 | 207008.2 | 100632.1 | S |
| 155.933 | 0.0000 | 0.0000 | 84.808 | 0.05925 | 0.00000 | 316523.1 | 207010.0 | 100632.1 | S |
| 155.942 | 0.0000 | 0.0000 | 84.807 | 0.05924 | 0.00000 | 316523.1 | 207011.8 | 100632.1 | S |
| 155.950 | 0.0000 | 0.0000 | 84.807 | 0.05924 | 0.00000 | 316523.1 | 207013.5 | 100632.1 | S |
| 155.958 | 0.0000 | 0.0000 | 84.807 | 0.05923 | 0.00000 | 316523.1 | 207015.3 | 100632.1 | S |
| 155.967 | 0.0000 | 0.0000 | 84.807 | 0.05923 | 0.00000 | 316523.1 | 207017.1 | 100632.1 | S |
| 155.975 | 0.0000 | 0.0000 | 84.807 | 0.05922 | 0.00000 | 316523.1 | 207018.9 | 100632.1 | S |
| 155.983 | 0.0000 | 0.0000 | 84.807 | 0.05921 | 0.00000 | 316523.1 | 207020.6 | 100632.1 | S |
| 155.992 | 0.0000 | 0.0000 | 84.807 | 0.05921 | 0.00000 | 316523.1 | 207022.4 | 100632.1 | S |
| 156.000 | 0.0000 | 0.0000 | 84.806 | 0.05920 | 0.00000 | 316523.1 | 207024.2 | 100632.1 | S |
| 156.008 | 0.0000 | 0.0000 | 84.806 | 0.05920 | 0.00000 | 316523.1 | 207026.0 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate (f $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ff}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 156.017 | 0.0000 | 0.0000 | 84.806 | 0.05919 | 0.00000 | 316523.1 | 207027.7 | 100632.1 | S |
| 156.025 | 0.0000 | 0.0000 | 84.806 | 0.05919 | 0.00000 | 316523.1 | 207029.5 | 100632.1 | S |
| 156.033 | 0.0000 | 0.0000 | 84.806 | 0.05918 | 0.00000 | 316523.1 | 207031.3 | 100632.1 | S |
| 156.042 | 0.0000 | 0.0000 | 84.806 | 0.05918 | 0.00000 | 316523.1 | 207033.1 | 100632.1 | S |
| 156.050 | 0.0000 | 0.0000 | 84.806 | 0.05917 | 0.00000 | 316523.1 | 207034.8 | 100632.1 | S |
| 156.058 | 0.0000 | 0.0000 | 84.805 | 0.05917 | 0.00000 | 316523.1 | 207036.6 | 100632.1 | S |
| 156.067 | 0.0000 | 0.0000 | 84.805 | 0.05916 | 0.00000 | 316523.1 | 207038.4 | 100632.1 | S |
| 156.075 | 0.0000 | 0.0000 | 84.805 | 0.05916 | 0.00000 | 316523.1 | 207040.2 | 100632.1 | S |
| 156.083 | 0.0000 | 0.0000 | 84.805 | 0.05915 | 0.00000 | 316523.1 | 207041.9 | 100632.1 | S |
| 156.092 | 0.0000 | 0.0000 | 84.805 | 0.05915 | 0.00000 | 316523.1 | 207043.7 | 100632.1 | S |
| 156.100 | 0.0000 | 0.0000 | 84.805 | 0.05914 | 0.00000 | 316523.1 | 207045.5 | 100632.1 | S |
| 156.108 | 0.0000 | 0.0000 | 84.805 | 0.05913 | 0.00000 | 316523.1 | 207047.3 | 100632.1 | S |
| 156.117 | 0.0000 | 0.0000 | 84.805 | 0.05913 | 0.00000 | 316523.1 | 207049.0 | 100632.1 | S |
| 156.125 | 0.0000 | 0.0000 | 84.804 | 0.05912 | 0.00000 | 316523.1 | 207050.8 | 100632.1 | S |
| 156.133 | 0.0000 | 0.0000 | 84.804 | 0.05912 | 0.00000 | 316523.1 | 207052.6 | 100632.1 | S |
| 156.142 | 0.0000 | 0.0000 | 84.804 | 0.05911 | 0.00000 | 316523.1 | 207054.4 | 100632.1 | S |
| 156.150 | 0.0000 | 0.0000 | 84.804 | 0.05911 | 0.00000 | 316523.1 | 207056.1 | 100632.1 | S |
| 156.158 | 0.0000 | 0.0000 | 84.804 | 0.05910 | 0.00000 | 316523.1 | 207057.9 | 100632.1 | S |
| 156.167 | 0.0000 | 0.0000 | 84.804 | 0.05910 | 0.00000 | 316523.1 | 207059.7 | 100632.1 | S |
| 156.175 | 0.0000 | 0.0000 | 84.804 | 0.05909 | 0.00000 | 316523.1 | 207061.5 | 100632.1 | S |
| 156.183 | 0.0000 | 0.0000 | 84.803 | 0.05909 | 0.00000 | 316523.1 | 207063.2 | 100632.1 | S |
| 156.192 | 0.0000 | 0.0000 | 84.803 | 0.05908 | 0.00000 | 316523.1 | 207065.0 | 100632.1 | S |
| 156.200 | 0.0000 | 0.0000 | 84.803 | 0.05908 | 0.00000 | 316523.1 | 207066.8 | 100632.1 | S |
| 156.208 | 0.0000 | 0.0000 | 84.803 | 0.05907 | 0.00000 | 316523.1 | 207068.5 | 100632.1 | S |
| 156.217 | 0.0000 | 0.0000 | 84.803 | 0.05907 | 0.00000 | 316523.1 | 207070.3 | 100632.1 | S |
| 156.225 | 0.0000 | 0.0000 | 84.803 | 0.05906 | 0.00000 | 316523.1 | 207072.1 | 100632.1 | S |
| 156.233 | 0.0000 | 0.0000 | 84.803 | 0.05905 | 0.00000 | 316523.1 | 207073.9 | 100632.1 | S |
| 156.242 | 0.0000 | 0.0000 | 84.802 | 0.05905 | 0.00000 | 316523.1 | 207075.6 | 100632.1 | S |
| 156.250 | 0.0000 | 0.0000 | 84.802 | 0.05904 | 0.00000 | 316523.1 | 207077.4 | 100632.1 | S |
| 156.258 | 0.0000 | 0.0000 | 84.802 | 0.05904 | 0.00000 | 316523.1 | 207079.2 | 100632.1 | S |
| 156.267 | 0.0000 | 0.0000 | 84.802 | 0.05903 | 0.00000 | 316523.1 | 207080.9 | 100632.1 | S |
| 156.275 | 0.0000 | 0.0000 | 84.802 | 0.05903 | 0.00000 | 316523.1 | 207082.7 | 100632.1 | S |
| 156.283 | 0.0000 | 0.0000 | 84.802 | 0.05902 | 0.00000 | 316523.1 | 207084.5 | 100632.1 | S |
| 156.292 | 0.0000 | 0.0000 | 84.802 | 0.05902 | 0.00000 | 316523.1 | 207086.3 | 100632.1 | S |
| 156.300 | 0.0000 | 0.0000 | 84.801 | 0.05901 | 0.00000 | 316523.1 | 207088.0 | 100632.1 | S |
| 156.308 | 0.0000 | 0.0000 | 84.801 | 0.05901 | 0.00000 | 316523.1 | 207089.8 | 100632.1 | S |
| 156.317 | 0.0000 | 0.0000 | 84.801 | 0.05900 | 0.00000 | 316523.1 | 207091.6 | 100632.1 | S |
| 156.325 | 0.0000 | 0.0000 | 84.801 | 0.05900 | 0.00000 | 316523.1 | 207093.3 | 100632.1 | S |
| 156.333 | 0.0000 | 0.0000 | 84.801 | 0.05899 | 0.00000 | 316523.1 | 207095.1 | 100632.1 | S |
| 156.342 | 0.0000 | 0.0000 | 84.801 | 0.05899 | 0.00000 | 316523.1 | 207096.9 | 100632.1 | S |
| 156.350 | 0.0000 | 0.0000 | 84.801 | 0.05898 | 0.00000 | 316523.1 | 207098.6 | 100632.1 | S |
| 156.358 | 0.0000 | 0.0000 | 84.800 | 0.05897 | 0.00000 | 316523.1 | 207100.4 | 100632.1 | S |
| 156.367 | 0.0000 | 0.0000 | 84.800 | 0.05897 | 0.00000 | 316523.1 | 207102.2 | 100632.1 | S |
| 156.375 | 0.0000 | 0.0000 | 84.800 | 0.05896 | 0.00000 | 316523.1 | 207104.0 | 100632.1 | S |
| 156.383 | 0.0000 | 0.0000 | 84.800 | 0.05896 | 0.00000 | 316523.1 | 207105.7 | 100632.1 | S |
| 156.392 | 0.0000 | 0.0000 | 84.800 | 0.05895 | 0.00000 | 316523.1 | 207107.5 | 100632.1 | S |
| 156.400 | 0.0000 | 0.0000 | 84.800 | 0.05895 | 0.00000 | 316523.1 | 207109.3 | 100632.1 | S |
| 156.408 | 0.0000 | 0.0000 | 84.800 | 0.05894 | 0.00000 | 316523.1 | 207111.0 | 100632.1 | S |
| 156.417 | 0.0000 | 0.0000 | 84.799 | 0.05894 | 0.00000 | 316523.1 | 207112.8 | 100632.1 | S |
| 156.425 | 0.0000 | 0.0000 | 84.799 | 0.05893 | 0.00000 | 316523.1 | 207114.6 | 100632.1 | S |
| 156.433 | 0.0000 | 0.0000 | 84.799 | 0.05893 | 0.00000 | 316523.1 | 207116.3 | 100632.1 | S |
| 156.442 | 0.0000 | 0.0000 | 84.799 | 0.05892 | 0.00000 | 316523.1 | 207118.1 | 100632.1 | S |
| 156.450 | 0.0000 | 0.0000 | 84.799 | 0.05892 | 0.00000 | 316523.1 | 207119.9 | 100632.1 | S |
| 156.458 | 0.0000 | 0.0000 | 84.799 | 0.05891 | 0.00000 | 316523.1 | 207121.6 | 100632.1 | S |
| 156.467 | 0.0000 | 0.0000 | 84.799 | 0.05891 | 0.00000 | 316523.1 | 207123.4 | 100632.1 | S |
| 156.475 | 0.0000 | 0.0000 | 84.798 | 0.05890 | 0.00000 | 316523.1 | 207125.2 | 100632.1 | S |
| 156.483 | 0.0000 | 0.0000 | 84.798 | 0.05889 | 0.00000 | 316523.1 | 207126.9 | 100632.1 | S |
| 156.492 | 0.0000 | 0.0000 | 84.798 | 0.05889 | 0.00000 | 316523.1 | 207128.7 | 100632.1 | S |
| 156.500 | 0.0000 | 0.0000 | 84.798 | 0.05888 | 0.00000 | 316523.1 | 207130.5 | 100632.1 | S |
| 156.508 | 0.0000 | 0.0000 | 84.798 | 0.05888 | 0.00000 | 316523.1 | 207132.2 | 100632.1 | S |
| \$56.517 | 0.0000 | 0.0000 | 84.798 | 0.05887 | 0.00000 | 316523.1 | 207134.0 | 100632.1 | S |
| 156.525 | 0.0000 | 0.0000 | 84.798 | 0.05887 | 0.00000 | 316523.1 | 207135.8 | 100632.1 | S |
| 156.533 | 0.0000 | 0.0000 | 84.797 | 0.05886 | 0.00000 | 316523.1 | 207137.5 | 100632.1 | S |
| 156.542 | 0.0000 | 0.0000 | 84.797 | 0.05886 | 0.00000 | 316523.1 | 207139.3 | 100632.1 | S |
| 156.550 | 0.0000 | 0.0000 | 84.797 | 0.05885 | 0.00000 | 316523.1 | 207141.1 | 100632.1 | S |
| 156.558 | 0.0000 | 0.0000 | 84.797 | 0.05885 | 0.00000 | 316523.1 | 207142.8 | 100632. \% | S |
| 156.567 | 0.0000 | 0.0000 | 84.797 | 0.05884 | 0.00000 | 316523.1 | 207144.6 | 100632.1 | S |
| 156.575 | 0.0000 | 0.0000 | 84.797 | 0.05884 | 0.00000 | 316523.1 | 207146.4 | 100632.1 | S |
| 156.583 | 0.0000 | 0.0000 | 84.797 | 0.05883 | 0.00000 | 316523.1 | 207148.1 | 100632.1 | S |
| 156.592 | 0.0000 | 0.0000 | 84.797 | 0.05883 | 0.00000 | 316523.1 | 207149.9 | 100632.1 | S |
| 156.600 | 0.0000 | 0.0000 | 84.796 | 0.05882 | 0.00000 | 316523.1 | 207151.7 | 100632.1 | S |
| 156.608 | 0.0000 | 0.0000 | 84.796 | 0.05881 | 0.00000 | 316523.1 | 207153.4 | 100632.1 | S |
| 156.617 | 0.0000 | 0.0000 | 84.796 | 0.05881 | 0.00000 | 316523.1 | 207155.2 | 100632.1 | S |
| 156.625 | 0.0000 | 0.0000 | 84.796 | 0.05880 | 0.00000 | 316523.1 | 207156.9 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Outside Recharge (fi/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge (filis) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{r}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ff}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 156.633 | 0.0000 | 0.0000 | 84.796 | 0.05880 | 0.00000 | $3 \uparrow 6523.1$ | 207158.7 | 100632.1 | S |
| 156.642 | 0.0000 | 0.0000 | 84.796 | 0.05879 | 0.00000 | 316523.1 | 207160.5 | 100632.1 | S |
| 156.650 | 0.0000 | 0.0000 | 84.796 | 0.05879 | 0.00000 | 316523.1 | 207162.2 | 100632.1 | S |
| 156.658 | 0.0000 | 0.0000 | 84.795 | 0.05878 | 0.00000 | 316523.1 | 207164.0 | 100632.1 | S |
| 156.667 | 0.0000 | 0.0000 | 84.795 | 0.05878 | 0.00000 | 316523.1 | 207165.8 | 100632.1 | S |
| 156.675 | 0.0000 | 0.0000 | 84.795 | 0.05877 | 0.00000 | 316523.1 | 207167.5 | 100632.1 | S |
| 156.683 | 0.0000 | 0.0000 | 84.795 | 0.05877 | 0.00000 | 316523.1 | 207169.3 | 100632.1 | S |
| 156.692 | 0.0000 | 0.0000 | 84.795 | 0.05876 | 0.00000 | 316523.1 | 207171.0 | 100632.1 | S |
| 156.700 | 0.0000 | 0.0000 | 84.795 | 0.05876 | 0.00000 | 316523.1 | 207172.8 | 100632.1 | S |
| 156.708 | 0.0000 | 0.0000 | 84.795 | 0.05875 | 0.00000 | 316523.1 | 207174.6 | 100632.1 | S |
| 156.717 | 0.0000 | 0.0000 | 84.794 | 0.05875 | 0.00000 | 316523.1 | 207176.3 | 100632.1 | S |
| 156.725 | 0.0000 | 0.0000 | 84.794 | 0.05874 | 0.00000 | 316523.1 | 207178.1 | 100632.1 | S |
| 156.733 | 0.0000 | 0.0000 | 84.794 | 0.05873 | 0.00000 | 316523.1 | 207179.9 | 100632.1 | S |
| 156.742 | 0.0000 | 0.0000 | 84.794 | 0.05873 | 0.00000 | 316523.1 | 207181.6 | 100632.1 | S |
| 156.750 | 0.0000 | 0.0000 | 84.794 | 0.05872 | 0.00000 | 316523.1 | 207183.4 | 100632.1 | S |
| 156.758 | 0.0000 | 0.0000 | 84.794 | 0.05872 | 0.00000 | 316523.1 | 207185.2 | 100632.1 | S |
| 156.767 | 0.0000 | 0.0000 | 84.794 | 0.05871 | 0.00000 | 316523.1 | 207186.9 | 100632.1 | S |
| 156.775 | 0.0000 | 0.0000 | 84.793 | 0.05871 | 0.00000 | 316523.1 | 207188.7 | 100632.1 | S |
| 156.783 | 0.0000 | 0.0000 | 84.793 | 0.05870 | 0.00000 | 316523.1 | 207190.4 | 100632.1 | S |
| 156.792 | 0.0000 | 0.0000 | 84.793 | 0.05870 | 0.00000 | 316523.1 | 207192.2 | 100632.1 | S |
| 156.800 | 0.0000 | 0.0000 | 84.793 | 0.05869 | 0.00000 | 316523.1 | 207194.0 | 100632.1 | S |
| 156.808 | 0.0000 | 0.0000 | 84.793 | 0.05869 | 0.00000 | 316523.1 | 207195.7 | 100632.1 | S |
| 156.817 | 0.0000 | 0.0000 | 84.793 | 0.05868 | 0.00000 | 316523.1 | 207197.5 | 100632.1 | S |
| 156.825 | 0.0000 | 0.0000 | 84.793 | 0.05868 | 0.00000 | 316523.1 | 207199.2 | 100632.1 | S |
| 156.833 | 0.0000 | 0.0000 | 84.792 | 0.05867 | 0.00000 | 316523.1 | 207201.0 | 100632.1 | S |
| 156.842 | 0.0000 | 0.0000 | 84.792 | 0.05867 | 0.00000 | 316523.1 | 207202.8 | 100632.1 | S |
| 156.850 | 0.0000 | 0.0000 | 84.792 | 0.05866 | 0.00000 | 316523.1 | 207204.5 | 100632.1 | S |
| 156.858 | 0.0000 | 0.0000 | 84.792 | 0.05866 | 0.00000 | 316523.1 | 207206.3 | 100632.1 | S |
| 156.867 | 0.0000 | 0.0000 | 84.792 | 0.05865 | 0.00000 | 316523.1 | 207208.0 | 100632.1 | S |
| 156.875 | 0.0000 | 0.0000 | 84.792 | 0.05864 | 0.00000 | 316523.1 | 207209.8 | 100632.1 | S |
| 156.883 | 0.0000 | 0.0000 | 84.792 | 0.05864 | 0.00000 | 316523.1 | 207211.5 | 100632.1 | S |
| 156.892 | 0.0000 | 0.0000 | 84.791 | 0.05863 | 0.00000 | 316523.1 | 207213.3 | 100632.1 | S |
| 156.900 | 0.0000 | 0.0000 | 84.791 | 0.05863 | 0.00000 | 316523.1 | 207215.1 | 100632.1 | S |
| 156.908 | 0.0000 | 0.0000 | 84.791 | 0.05862 | 0.00000 | 316523.1 | 207216.8 | 100632.1 | S |
| 156.917 | 0.0000 | 0.0000 | 84.791 | 0.05862 | 0.00000 | 316523.1 | 207218.6 | 100632.1 | S |
| 156.925 | 0.0000 | 0.0000 | 84.791 | 0.05861 | 0.00000 | 316523.1 | 207220.3 | 100632.1 | S |
| 156.933 | 0.0000 | 0.0000 | 84.791 | 0.05861 | 0.00000 | 316523.1 | 207222.1 | 100632.1 | S |
| 156.942 | 0.0000 | 0.0000 | 84.791 | 0.05860 | 0.00000 | 316523.1 | 207223.9 | 100632.1 | S |
| 156.950 | 0.0000 | 0.0000 | 84.790 | 0.05860 | 0.00000 | 316523.1 | 207225.6 | 100632.1 | S |
| 156.958 | 0.0000 | 0.0000 | 84.790 | 0.05859 | 0.00000 | 316523.1 | 207227.4 | 100632.1 | S |
| 156.967 | 0.0000 | 0.0000 | 84.790 | 0.05859 | 0.00000 | 316523.1 | 207229.1 | 100632.1 | S |
| 156.975 | 0.0000 | 0.0000 | 84.790 | 0.05858 | 0.00000 | 316523.1 | 207230.9 | 100632.1 | S |
| 156.983 | 0.0000 | 0.0000 | 84.790 | 0.05858 | 0.00000 | 316523.1 | 207232.7 | 100632.1 | S |
| 156.992 | 0.0000 | 0.0000 | 84.790 | 0.05857 | 0.00000 | 316523.1 | 207234.4 | 100632.1 | S |
| 157.000 | 0.0000 | 0.0000 | 84.790 | 0.05857 | 0.00000 | 316523.1 | 207236.2 | 100632.7 | S |
| 157.008 | 0.0000 | 0.0000 | 84.790 | 0.05856 | 0.00000 | 316523.1 | 207237.9 | 100632.1 | S |
| 157.017 | 0.0000 | 0.0000 | 84.789 | 0.05855 | 0.00000 | 316523.1 | 207239.7 | 100632.1 | S |
| 157.025 | 0.0000 | 0.0000 | 84.789 | 0.05855 | 0.00000 | 316523.1 | 207241.4 | 100632.1 | S |
| 157.033 | 0.0000 | 0.0000 | 84.789 | 0.05854 | 0.00000 | 316523.1 | 207243.2 | 100632.1 | S |
| 157.042 | 0.0000 | 0.0000 | 84.789 | 0.05854 | 0.00000 | 316523.1 | 207245.0 | 100632.1 | S |
| 157.050 | 0.0000 | 0.0000 | 84.789 | 0.05853 | 0.00000 | 316523.1 | 207246.7 | 100632.1 | S |
| 157.058 | 0.0000 | 0.0000 | 84.789 | 0.05853 | 0.00000 | 316523.1 | 207248.5 | 100632.1 | S |
| 157.067 | 0.0000 | 0.0000 | 84.789 | 0.05852 | 0.00000 | 316523.1 | 207250.2 | 100632.1 | S |
| 157.075 | 0.0000 | 0.0000 | 84.788 | 0.05852 | 0.00000 | 316523.1 | 207252.0 | 100632.1 | S |
| 157.083 | 0.0000 | 0.0000 | 84.788 | 0.05851 | 0.00000 | 316523.1 | 207253.7 | 100632.1 | S |
| 157.092 | 0.0000 | 0.0000 | 84.788 | 0.05851 | 0.00000 | 316523.1 | 207255.5 | 100632.1 | S |
| \$57.100 | 0.0000 | 0.0000 | 84.788 | 0.05850 | 0.00000 | 316523.1 | 207257.2 | 100632.1 | S |
| 157.108 | 0.0000 | 0.0000 | 84.788 | 0.05850 | 0.00000 | 316523.1 | 207259.0 | 100632.1 | S |
| $\uparrow 57.117$ | 0.0000 | 0.0000 | 84.788 | 0.05849 | 0.00000 | 316523.1 | 207260.8 | 100632.1 | S |
| 157.125 | 0.0000 | 0.0000 | 84.788 | 0.05849 | 0.00000 | 316523.1 | 207262.5 | 100632.1 | S |
| 157.133 | 0.0000 | 0.0000 | 84.787 | 0.05848 | 0.00000 | 316523.1 | 207264.3 | 100632.1 | S |
| 157.142 | 0.0000 | 0.0000 | 84.787 | 0.05848 | 0.00000 | 316523.1 | 207266.0 | 100632.1 | S |
| 157.150 | 0.0000 | 0.0000 | 84.787 | 0.05847 | 0.00000 | 316523.1 | 207267.8 | 100632.1 | S |
| 157.158 | 0.0000 | 0.0000 | 84.787 | 0.05846 | 0.00000 | 316523.1 | 207269.5 | 100632.1 | S |
| 157.167 | 0.0000 | 0.0000 | 84.787 | 0.05846 | 0.00000 | 316523.1 | 207271.3 | 100632.1 | S |
| 157.175 | 0.0000 | 0.0000 | 84.787 | 0.05845 | 0.00000 | 316523.1 | 207273.0 | 100632.1 | S |
| 157.183 | 0.0000 | 0.0000 | 84.787 | 0.05845 | 0.00000 | 316523.1 | 207274.8 | 100632.1 | S |
| 157.192 | 0.0000 | 0.0000 | 84.786 | 0.05844 | 0.00000 | 316523.1 | 207276.5 | 100632.1 | S |
| 157.200 | 0.0000 | 0.0000 | 84.786 | 0.05844 | 0.00000 | 316523.1 | 207278.3 | 100632.1 | S |
| 157.208 | 0.0000 | 0.0000 | 84.786 | 0.05843 | 0.00000 | 316523.1 | 207280.0 | 100632.1 | S |
| 157.217 | 0.0000 | 0.0000 | 84.786 | 0.05843 | 0.00000 | 316523.1 | 207281.8 | 100632.1 | S |
| 157.225 | 0.0000 | 0.0000 | 84.786 | 0.05842 | 0.00000 | 316523.1 | 207283.5 | 100632.1 | S |
| 157.233 | 0.0000 | 0.0000 | 84.786 | 0.05842 | 0.00000 | 316523.1 | 207285.3 | 100632.1 | S |
| 157.242 | 0.0000 | 0.0000 | 84.786 | 0.05841 | 0.00000 | 316523.1 | 207287.0 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (fi/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{h}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 157.250 | 0.0000 | 0.0000 | 84.785 | 0.05841 | 0.00000 | 316523.1 | 207288.8 | 100632.1 | S |
| 157.258 | 0.0000 | 0.0000 | 84.785 | 0.05840 | 0.00000 | 316523.1 | 207290.6 | 100632.1 | S |
| 157.267 | 0.0000 | 0.0000 | 84.785 | 0.05840 | 0.00000 | 316523.1 | 207292.3 | 100632.1 | S |
| 157.275 | 0.0000 | 0.0000 | 84.785 | 0.05839 | 0.00000 | 316523.1 | 207294.1 | 100632.1 | S |
| 157.283 | 0.0000 | 0.0000 | 84.785 | 0.05839 | 0.00000 | 316523.1 | 207295.8 | 100632.1 | S |
| 157.292 | 0.0000 | 0.0000 | 84.785 | 0.05838 | 0.00000 | 316523.1 | 207297.6 | 100632.1 | S |
| 157.300 | 0.0000 | 0.0000 | 84.785 | 0.05838 | 0.00000 | 316523.1 | 207299.3 | 100632.1 | S |
| 157.308 | 0.0000 | 0.0000 | 84.784 | 0.05837 | 0.00000 | 316523.1 | 207301.1 | 100632.1 | S |
| 157.317 | 0.0000 | 0.0000 | 84.784 | 0.05836 | 0.00000 | 316523.1 | 207302.8 | 100632.1 | S |
| 157.325 | 0.0000 | 0.0000 | 84.784 | 0.05836 | 0.00000 | 316523.1 | 207304.6 | 100632.1 | S |
| 157.333 | 0.0000 | 0.0000 | 84.784 | 0.05835 | 0.00000 | 316523.1 | 207306.3 | 100632.1 | S |
| 157.342 | 0.0000 | 0.0000 | 84.784 | 0.05835 | 0.00000 | 316523.1 | 207308.1 | 100632.1 | S |
| 157.350 | 0.0000 | 0.0000 | 84.784 | 0.05834 | 0.00000 | 316523.1 | 207309.8 | 100632.1 | S |
| 157.358 | 0.0000 | 0.0000 | 84.784 | 0.05834 | 0.00000 | 316523.1 | 207311.6 | 100632.1 | S |
| 157.367 | 0.0000 | 0.0000 | 84.783 | 0.05833 | 0.00000 | 316523.1 | 207313.3 | 100632.1 | S |
| 157.375 | 0.0000 | 0.0000 | 84.783 | 0.05833 | 0.00000 | 316523.1 | 207315.1 | 100632.1 | S |
| 157.383 | 0.0000 | 0.0000 | 84.783 | 0.05832 | 0.00000 | 316523.1 | 207316.8 | 100632.1 | S |
| 157.392 | 0.0000 | 0.0000 | 84.783 | 0.05832 | 0.00000 | 316523.1 | 207318.6 | 100632.1 | S |
| 157.400 | 0.0000 | 0.0000 | 84.783 | 0.05831 | 0.00000 | 316523.1 | 207320.3 | 100632.1 | S |
| 157.408 | 0.0000 | 0.0000 | 84.783 | 0.05831 | 0.00000 | 316523.1 | 207322.1 | 100832.1 | S |
| 157.417 | 0.0000 | 0.0000 | 84.783 | 0.05830 | 0.00000 | 316523.1 | 207323.8 | 100632.1 | S |
| 157.425 | 0.0000 | 0.0000 | 84.783 | 0.05830 | 0.00000 | 316523.1 | 207325.6 | 100632.1 | S |
| 157.433 | 0.0000 | 0.0000 | 84.782 | 0.05829 | 0.00000 | 316523.1 | 207327.3 | 100632.1 | S |
| 157.442 | 0.0000 | 0.0000 | 84.782 | 0.05829 | 0.00000 | 316523.1 | 207329.1 | 100632.1 | S |
| 157.450 | 0.0000 | 0.0000 | 84.782 | 0.05828 | 0.00000 | 316523.1 | 207330.8 | 100632.1 | S |
| 157.458 | 0.0000 | 0.0000 | 84.782 | 0.05828 | 0.00000 | 316523.1 | 207332.6 | 100632.1 | S |
| 157.467 | 0.0000 | 0.0000 | 84.782 | 0.05827 | 0.00000 | 316523.1 | 207334.3 | 100632.1 | S |
| 157.475 | 0.0000 | 0.0000 | 84.782 | 0.05826 | 0.00000 | 316523.1 | 207336.1 | 100632.1 | S |
| 157.483 | 0.0000 | 0.0000 | 84.782 | 0.05826 | 0.00000 | 316523.1 | 207337.8 | 100632.1 | S |
| 157.492 | 0.0000 | 0.0000 | 84.781 | 0.05825 | 0.00000 | 316523.1 | 207339.5 | 100632.1 | S |
| 157.500 | 0.0000 | 0.0000 | 84.781 | 0.05825 | 0.00000 | 316523.1 | 207341.3 | 100632.1 | S |
| 157.508 | 0.0000 | 0.0000 | 84.781 | 0.05824 | 0.00000 | 316523.1 | 207343.0 | 100632.1 | S |
| 157.517 | 0.0000 | 0.0000 | 84.781 | 0.05824 | 0.00000 | 316523.1 | 207344.8 | 100632.1 | S |
| 157.525 | 0.0000 | 0.0000 | 84.781 | 0.05823 | 0.00000 | 316523.1 | 207346.5 | 100632.1 | S |
| 157.533 | 0.0000 | 0.0000 | 84.781 | 0.05823 | 0.00000 | 316523.1 | 207348.3 | 100632.1 | S |
| 157.542 | 0.0000 | 0.0000 | 84.781 | 0.05822 | 0.00000 | 316523.1 | 207350.0 | 100632.1 | S |
| 157.550 | 0.0000 | 0.0000 | 84.780 | 0.05822 | 0.00000 | 316523.1 | 207351.8 | 100632.1 | S |
| 157.558 | 0.0000 | 0.0000 | 84.780 | 0.05821 | 0.00000 | 316523.1 | 207353.5 | 100632.1 | S |
| 157.567 | 0.0000 | 0.0000 | 84.780 | 0.05821 | 0.00000 | 316523.1 | 207355.3 | 100632.1 | S |
| 157.575 | 0.0000 | 0.0000 | 84.780 | 0.05820 | 0.00000 | 316523.1 | 207357.0 | 100632.1 | S |
| 157.583 | 0.0000 | 0.0000 | 84.780 | 0.05820 | 0.00000 | 316523.1 | 207358.8 | 100632.1 | S |
| 157.592 | 0.0000 | 0.0000 | 84.780 | 0.05819 | 0.00000 | 316523.1 | 207360.5 | 100632.1 | S |
| 157.600 | 0.0000 | 0.0000 | 84.780 | 0.05819 | 0.00000 | 316523.1 | 207362.3 | 100632.1 | S |
| 157.608 | 0.0000 | 0.0000 | 84.779 | 0.05818 | 0.00000 | 316523.1 | 207364.0 | 100632.1 | S |
| 157.617 | 0.0000 | 0.0000 | 84.779 | 0.05818 | 0.00000 | 316523.1 | 207365.8 | 100632.1 | S |
| 157.625 | 0.0000 | 0.0000 | 84.779 | 0.05817 | 0.00000 | 316523.1 | 207367.5 | 100632.1 | S |
| 157.633 | 0.0000 | 0.0000 | 84.779 | 0.05816 | 0.00000 | 316523.1 | 207369.2 | 100632.1 | S |
| 157.642 | 0.0000 | 0.0000 | 84.779 | 0.05816 | 0.00000 | 316523.1 | 207371.0 | 100632.1 | S |
| 157.650 | 0.0000 | 0.0000 | 84.779 | 0.05815 | 0.00000 | 316523.1 | 207372.7 | 100632.1 | S |
| 157.658 | 0.0000 | 0.0000 | 84.779 | 0.05815 | 0.00000 | 316523.1 | 207374.5 | 100632.1 | S |
| 157.667 | 0.0000 | 0.0000 | 84.778 | 0.05814 | 0.00000 | 316523.1 | 207376.2 | 100632.1 | S |
| 157.675 | 0.0000 | 0.0000 | 84.778 | 0.05814 | 0.00000 | 316523.1 | 207378.0 | 100632.1 | S |
| 157.683 | 0.0000 | 0.0000 | 84.778 | 0.05813 | 0.00000 | 316523.1 | 207379.7 | 100632.4 | S |
| 157.692 | 0.0000 | 0.0000 | 84.778 | 0.05813 | 0.00000 | 316523.1 | 207381.5 | 100632.1 | S |
| 157.700 | 0.0000 | 0.0000 | 84.778 | 0.05812 | 0.00000 | 316523.1 | 207383.2 | 100632.1 | S |
| 157.708 | 0.0000 | 0.0000 | 84.778 | 0.05812 | 0.00000 | 316523.1 | 207384.9 | 100632.1 | S |
| 157.717 | 0.0000 | 0.0000 | 84.778 | 0.05811 | 0.00000 | 316523.1 | 207386.7 | 100632.1 | S |
| 157.725 | 0.0000 | 0.0000 | 84.778 | 0.05811 | 0.00000 | 316523.1 | 207388.4 | 100632.1 | S |
| 157.733 | 0.0000 | 0.0000 | 84.777 | 0.05810 | 0.00000 | 316523.1 | 207390.2 | 100632.1 | S |
| 157.742 | 0.0000 | 0.0000 | 84.777 | 0.05810 | 0.00000 | 316523.1 | 207391.9 | 100632.1 | S |
| 157.750 | 0.0000 | 0.0000 | 84.777 | 0.05809 | 0.00000 | 316523.1 | 207393.7 | 100632.1 | S |
| 157.758 | 0.0000 | 0.0000 | 84.777 | 0.05809 | 0.00000 | 316523.1 | 207395.4 | 100632.1 | S |
| 157.767 | 0.0000 | 0.0000 | 84.777 | 0.05808 | 0.00000 | 316523.1 | 207397.1 | 100632.1 | S |
| 157.775 | 0.0000 | 0.0000 | 84.777 | 0.05808 | 0.00000 | 316523.1 | 207398.9 | 100632.1 | S |
| 157.783 | 0.0000 | 0.0000 | 84.777 | 0.05807 | 0.00000 | 316523.1 | 207400.6 | 100632.1 | S |
| 157.792 | 0.0000 | 0.0000 | 84.776 | 0.05807 | 0.00000 | 316523.1 | 207402.4 | 100632.1 | S |
| 157.800 | 0.0000 | 0.0000 | 84.776 | 0.05806 | 0.00000 | 316523.1 | 207404.1 | 100632.1 | S |
| \$57.808 | 0.0000 | 0.0000 | 84.776 | 0.05805 | 0.00000 | 316523.1 | 207405.8 | 100632.1 | S |
| 157.817 | 0.0000 | 0.0000 | 84.776 | 0.05805 | 0.00000 | 316523.1 | 207407.6 | 100632.1 | S |
| 157.825 | 0.0000 | 0.0000 | 84.776 | 0.05804 | 0.00000 | 316523.1 | 207409.3 | 100632.1 | S |
| 157.833 | 0.0000 | 0.0000 | 84.776 | 0.05804 | 0.00000 | 316523.1 | 207411.1 | 100632.1 | S |
| 157.842 | 0.0000 | 0.0000 | 84.776 | 0.05803 | 0.00000 | 316523.1 | 207412.8 | 100632.1 | S |
| 157.850 | 0.0000 | 0.0000 | 84.775 | 0.05803 | 0.00000 | 316523.1 | 207414.5 | 100632.1 | S |
| 157.858 | 0.0000 | 0.0000 | 84.775 | 0.05802 | 0.00000 | 316523.1 | 207416.3 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (fl datum) | Infilitration Rate ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume (fis) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 157.867 | 0.0000 | 0.0000 | 84.775 | 0.05802 | 0.00000 | 316523.1 | 207418.0 | 100632.1 | S |
| 157.875 | 0.0000 | 0.0000 | 84.775 | 0.05801 | 0.00000 | 316523.1 | 207419.8 | 100632.1 | S |
| 157.883 | 0.0000 | 0.0000 | 84.775 | 0.05801 | 0.00000 | 316523.1 | 207421.5 | 100632.1 | S |
| 157.892 | 0.0000 | 0.0000 | 84.775 | 0.05800 | 0.00000 | 316523.1 | 207423.3 | 100632.1 | S |
| 157.900 | 0.0000 | 0.0000 | 84.775 | 0.05800 | 0.00000 | 316523.1 | 207425.0 | 100632.1 | S |
| 157.908 | 0.0000 | 0.0000 | 84.774 | 0.05799 | 0.00000 | 316523.1 | 207426.7 | 100632.1 | S |
| 157.917 | 0.0000 | 0.0000 | 84.774 | 0.05799 | 0.00000 | 316523.1 | 207428.5 | 100632.1 | S |
| 157.925 | 0.0000 | 0.0000 | 84.774 | 0.05798 | 0.00000 | 316523.1 | 207430.2 | 100632.1 | S |
| 157.933 | 0.0000 | 0.0000 | 84.774 | 0.05798 | 0.00000 | 316523.1 | 207432.0 | 100632.1 | S |
| 157.942 | 0.0000 | 0.0000 | 84.774 | 0.05797 | 0.00000 | 316523.1 | 207433.7 | 100632.1 | S |
| 157.950 | 0.0000 | 0.0000 | 84.774 | 0.05797 | 0.00000 | 316523.1 | 207435.4 | 100632.1 | S |
| 157.958 | 0.0000 | 0.0000 | 84.774 | 0.05796 | 0.00000 | 316523.1 | 207437.2 | 100632.1 | 5 |
| 157.967 | 0.0000 | 0.0000 | 84.773 | 0.05796 | 0.00000 | 316523.1 | 207438.9 | 100632.1 | S |
| 157.975 | 0.0000 | 0.0000 | 84.773 | 0.05795 | 0.00000 | 316523.1 | 207440.7 | 100632.1 | S |
| 157.983 | 0.0000 | 0.0000 | 84.773 | 0.05794 | 0.00000 | 316523.1 | 207442.4 | 100632.4 | S |
| 157.992 | 0.0000 | 0.0000 | 84.773 | 0.05794 | 0.00000 | 316523.1 | 207444.1 | 100632.1 | S |
| 158.000 | 0.0000 | 0.0000 | 84.773 | 0.05793 | 0.00000 | 316523.1 | 207445.9 | 100632.1 | S |
| 158.008 | 0.0000 | 0.0000 | 84.773 | 0.05793 | 0.00000 | 316523.1 | 207447.6 | 100632.1 | S |
| 158.017 | 0.0000 | 0.0000 | 84.773 | 0.05792 | 0.00000 | 316523.1 | 207449.3 | 100632.1 | S |
| 158.025 | 0.0000 | 0.0000 | 84.772 | 0.05792 | 0.00000 | 316523.1 | 207451.1 | 100632.1 | S |
| 158.033 | 0.0000 | 0.0000 | 84.772 | 0.05791 | 0.00000 | 316523.1 | 207452.8 | 100632.1 | S |
| 158.042 | 0.0000 | 0.0000 | 84.772 | 0.05791 | 0.00000 | 316523.1 | 207454.5 | 100632.1 | S |
| 158.050 | 0.0000 | 0.0000 | 84.772 | 0.05790 | 0.00000 | 316523.1 | 207456.3 | 100632.1 | S |
| 158.058 | 0.0000 | 0.0000 | 84.772 | 0.05790 | 0.00000 | 316523.1 | 207458.0 | 100632.1 | S |
| 158.067 | 0.0000 | 0.0000 | 84.772 | 0.05789 | 0.00000 | 316523.1 | 207459.8 | 100632.1 | S |
| 158.075 | 0.0000 | 0.0000 | 84.772 | 0.05789 | 0.00000 | 316523.1 | 207461.5 | 100632.1 | S |
| 158.083 | 0.0000 | 0.0000 | 84.772 | 0.05788 | 0.00000 | 316523.1 | 207463.2 | 100632.1 | S |
| 158.092 | 0.0000 | 0.0000 | 84.771 | 0.05788 | 0.00000 | 316523.1 | 207465.0 | 100632.1 | S |
| 158.100 | 0.0000 | 0.0000 | 84.771 | 0.05787 | 0.00000 | 316523.1 | 207466.7 | 100632.1 | S |
| 158.108 | 0.0000 | 0.0000 | 84.771 | 0.05787 | 0.00000 | 316523.4 | 207468.4 | 100632.7 | S |
| 158.117 | 0.0000 | 0.0000 | 84.771 | 0.05786 | 0.00000 | 316523.1 | 207470.2 | 100632.1 | S |
| 158.125 | 0.0000 | 0.0000 | 84.771 | 0.05786 | 0.00000 | 316523.1 | 207471.9 | 100632.1 | S |
| 158.133 | 0.0000 | 0.0000 | 84.771 | 0.05785 | 0.00000 | 316523.1 | 207473.7 | 100632.1 | S |
| 158.142 | 0.0000 | 0.0000 | 84.771 | 0.05785 | 0.00000 | 316523.1 | 207475.4 | 100632.1 | S |
| 158.150 | 0.0000 | 0.0000 | 84.770 | 0.05784 | 0.00000 | 316523.1 | 207477.1 | 100632.1 | S |
| 158.158 | 0.0000 | 0.0000 | 84.770 | 0.05784 | 0.00000 | 316523.1 | 207478.9 | 100632.1 | S |
| 158.167 | 0.0000 | 0.0000 | 84.770 | 0.05783 | 0.00000 | 316523.1 | 207480.6 | 100632.1 | S |
| 158.175 | 0.0000 | 0.0000 | 84.770 | 0.05782 | 0.00000 | 316523.1 | 207482.3 | 100632.1 | S |
| 158.183 | 0.0000 | 0.0000 | 84.770 | 0.05782 | 0.00000 | 316523.1 | 207484.1 | 100632.1 | S |
| 158.192 | 0.0000 | 0.0000 | 84.770 | 0.05781 | 0.00000 | 316523.1 | 207485.8 | 100632.1 | S |
| 158.200 | 0.0000 | 0.0000 | 84.770 | 0.05781 | 0.00000 | 316523.1 | 207487.5 | 100632.1 | S |
| 158.208 | 0.0000 | 0.0000 | 84.769 | 0.05780 | 0.00000 | 316523.1 | 207489.3 | 100632.1 | S |
| 158.217 | 0.0000 | 0.0000 | 84.769 | 0.05780 | 0.00000 | 316523.1 | 207491.0 | 100632.1 | S |
| 158.225 | 0.0000 | 0.0000 | 84.769 | 0.05779 | 0.00000 | 316523.1 | 207492.7 | 100632.1 | S |
| 158.233 | 0.0000 | 0.0000 | 84.769 | 0.05779 | 0.00000 | 316523.1 | 207494.5 | 100632.1 | S |
| 158.242 | 0.0000 | 0.0000 | 84.769 | 0.05778 | 0.00000 | 316523.1 | 207496.2 | 100632.1 | S |
| 158.250 | 0.0000 | 0.0000 | 84.769 | 0.05778 | 0.00000 | 316523.1 | 207497.9 | 100632.1 | S |
| 158.258 | 0.0000 | 0.0000 | 84.769 | 0.05777 | 0.00000 | 316523.1 | 207499.7 | 100632.1 | S |
| 158.267 | 0.0000 | 0.0000 | 84.768 | 0.05777 | 0.00000 | 316523.1 | 207501.4 | 100632.1 | S |
| 158.275 | 0.0000 | 0.0000 | 84.768 | 0.05776 | 0.00000 | 316523.1 | 207503.1 | 100632.1 | S |
| 158.283 | 0.0000 | 0.0000 | 84.768 | 0.05776 | 0.00000 | 316523.1 | 207504.9 | 100632.1 | S |
| 158.292 | 0.0000 | 0.0000 | 84.768 | 0.05775 | 0.00000 | 316523.1 | 207506.6 | 100632.1 | S |
| 158.300 | 0.0000 | 0.0000 | 84.768 | 0.05775 | 0.00000 | 316523.1 | 207508.3 | 100632.1 | S |
| 158.308 | 0.0000 | 0.0000 | 84.768 | 0.05774 | 0.00000 | 316523.1 | 207510.1 | 100632.1 | S |
| 158.317 | 0.0000 | 0.0000 | 84.768 | 0.05774 | 0.00000 | 316523.1 | 207511.8 | 100632.1 | S |
| 158.325 | 0.0000 | 0.0000 | 84.767 | 0.05773 | 0.00000 | 316523.1 | 207513.5 | 100632.1 | S |
| 158.333 | 0.0000 | 0.0000 | 84.767 | 0.05773 | 0.00000 | 316523.1 | 207515.3 | 100632.1 | S |
| 158.342 | 0.0000 | 0.0000 | 84.767 | 0.05772 | 0.00000 | 316523.1 | 207517.0 | 100632.1 | S |
| 158.350 | 0.0000 | 0.0000 | 84.767 | 0.05772 | 0.00000 | 316523.1 | 207518.7 | 100632.1 | S |
| 158.358 | 0.0000 | 0.0000 | 84.767 | 0.05771 | 0.00000 | 316523.1 | 207520.5 | 100632.1 | S |
| 158.367 | 0.0000 | 0.0000 | 84.767 | 0.05770 | 0.00000 | 316523.1 | 207522.2 | 100632.1 | S |
| 158.375 | 0.0000 | 0.0000 | 84.767 | 0.05770 | 0.00000 | 316523.1 | 207523.9 | 100632.1 | S |
| 158.383 | 0.0000 | 0.0000 | 84.767 | 0.05769 | 0.00000 | 316523.1 | 207525.6 | 100632.1 | S |
| 158.392 | 0.0000 | 0.0000 | 84.766 | 0.05769 | 0.00000 | 316523.1 | 207527.4 | 100632.1 | S |
| 158.400 | 0.0000 | 0.0000 | 84.766 | 0.05768 | 0.00000 | 316523.1 | 207529.1 | 100632.1 | S |
| 158.408 | 0.0000 | 0.0000 | 84.766 | 0.05768 | 0.00000 | 316523.1 | 207530.8 | 100632.1 | S |
| 158.417 | 0.0000 | 0.0000 | 84.766 | 0.05767 | 0.00000 | 316523.1 | 207532.6 | 100632.1 | S |
| 158.425 | 0.0000 | 0.0000 | 84.766 | 0.05767 | 0.00000 | 316523.1 | 207534.3 | 100632.1 | S |
| 158.433 | 0.0000 | 0.0000 | 84.766 | 0.05766 | 0.00000 | 316523.1 | 207536.0 | 100632.1 | S |
| 158.442 | 0.0000 | 0.0000 | 84.766 | 0.05766 | 0.00000 | 316523.1 | 207537.8 | 100632.1 | S |
| 158.450 | 0.0000 | 0.0000 | 84.765 | 0.05765 | 0.00000 | 316523.1 | 207539.5 | 100632.1 | S |
| 158.458 | 0.0000 | 0.0000 | 84.765 | 0.05765 | 0.00000 | 316523.1 | 207541.2 | 100632.1 | S |
| 158.467 | 0.0000 | 0.0000 | 84.765 | 0.05764 | 0.00000 | 316523.1 | 207543.0 | 100632.1 | S |
| 158.475 | 0.0000 | 0.0000 | 84.765 | 0.05764 | 0.00000 | 316523.1 | 207544.7 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | $\begin{aligned} & \text { Cumulative } \\ & \text { Inflow } \\ & \text { Volume }\left(\mathrm{ft}^{3}\right) \end{aligned}$ | Cumulative Infiltration Volume ( $\mathrm{Hl}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{fl}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 158.483 | 0.0000 | 0.0000 | 84.765 | 0.05763 | 0.00000 | 316523.1 | 207546.4 | 100632.1 | S |
| 158.492 | 0.0000 | 0.0000 | 84.765 | 0.05763 | 0.00000 | 316523.1 | 207548.1 | 100632.1 | S |
| 158.500 | 0.0000 | 0.0000 | 84.765 | 0.05762 | 0.00000 | 316523.1 | 207549.9 | 100632.1 | S |
| 158.508 | 0.0000 | 0.0000 | 84.764 | 0.05762 | 0.00000 | 316523.1 | 207551.6 | 100632.1 | S |
| 158.517 | 0.0000 | 0.0000 | 84.764 | 0.05761 | 0.00000 | 316523.1 | 207553.3 | 100632.1 | S |
| 158.525 | 0.0000 | 0.0000 | 84.764 | 0.05761 | 0.00000 | 316523.1 | 207555.0 | 100632.1 | S |
| 158.533 | 0.0000 | 0.0000 | 84.764 | 0.05760 | 0.00000 | 316523.1 | 207556.8 | 100632.1 | S |
| 158.542 | 0.0000 | 0.0000 | 84.764 | 0.05760 | 0.00000 | 316523.1 | 207558.5 | 100632.1 | S |
| 158.550 | 0.0000 | 0.0000 | 84.764 | 0.05759 | 0.00000 | 316523.1 | 207560.2 | 100632.1 | S |
| 158.558 | 0.0000 | 0.0000 | 84.764 | 0.05759 | 0.00000 | 316523.1 | 207562.0 | 100632.1 | S |
| 158.567 | 0.0000 | 0.0000 | 84.763 | 0.05758 | 0.00000 | 316523.1 | 207563.7 | 100632.1 | S |
| 158.575 | 0.0000 | 0.0000 | 84.763 | 0.05757 | 0.00000 | 316523.1 | 207565.4 | 100632.1 | S |
| 158.583 | 0.0000 | 0.0000 | 84.763 | 0.05757 | 0.00000 | 316523.1 | 207567.1 | 100632.1 | S |
| 158.592 | 0.0000 | 0.0000 | 84.763 | 0.05756 | 0.00000 | 316523.1 | 207568.9 | 100632.1 | S |
| 158.600 | 0.0000 | 0.0000 | 84.763 | 0.05756 | 0.00000 | 316523.1 | 207570.6 | 100632.1 | S |
| 158.608 | 0.0000 | 0.0000 | 84.763 | 0.05755 | 0.00000 | 316523.1 | 207572.3 | 100632.1 | S |
| 158.617 | 0.0000 | 0.0000 | 84.763 | 0.05755 | 0.00000 | 316523.1 | 207574.0 | 100632.1 | S |
| 158.625 | 0.0000 | 0.0000 | 84.762 | 0.05754 | 0.00000 | 316523.1 | 207575.8 | 100632.1 | S |
| 158.633 | 0.0000 | 0.0000 | 84.762 | 0.05754 | 0.00000 | 316523.1 | 207577.5 | 100632.1 | S |
| 158.642 | 0.0000 | 0.0000 | 84.762 | 0.05753 | 0.00000 | 316523.1 | 207579.2 | 100632.1 | S |
| 158.650 | 0.0000 | 0.0000 | 84.762 | 0.05753 | 0.00000 | 316523.1 | 207581.0 | 100632.1 | S |
| 158.658 | 0.0000 | 0.0000 | 84.762 | 0.05752 | 0.00000 | 316523.1 | 207582.7 | 100632.1 | S |
| 158.667 | 0.0000 | 0.0000 | 84.762 | 0.05752 | 0.00000 | 316523.1 | 207584.4 | 100632.1 | S |
| 158.675 | 0.0000 | 0.0000 | 84.762 | 0.05751 | 0.00000 | 316523.1 | 207586.1 | 100632.1 | S |
| 158.683 | 0.0000 | 0.0000 | 84.762 | 0.05751 | 0.00000 | 316523.1 | 207587.9 | 100632.1 | S |
| 158.692 | 0.0000 | 0.0000 | 84.761 | 0.05750 | 0.00000 | 316523.1 | 207589.6 | 100632.1 | S |
| 158.700 | 0.0000 | 0.0000 | 84.761 | 0.05750 | 0.00000 | 316523.1 | 207591.3 | 100632.1 | S |
| 158.708 | 0.0000 | 0.0000 | 84.761 | 0.05749 | 0.00000 | 316523.1 | 207593.0 | 100632.1 | S |
| 158.717 | 0.0000 | 0.0000 | 84.761 | 0.05749 | 0.00000 | 316523.1 | 207594.8 | 100632.1 | S |
| 158.725 | 0.0000 | 0.0000 | 84.761 | 0.05748 | 0.00000 | 316523.1 | 207596.5 | 100632.1 | S |
| 158.733 | 0.0000 | 0.0000 | 84.761 | 0.05748 | 0.00000 | 316523.1 | 207598.2 | 100632.1 | S |
| 158.742 | 0.0000 | 0.0000 | 84.761 | 0.05747 | 0.00000 | 316523.1 | 207599.9 | 100632.1 | S |
| 158.750 | 0.0000 | 0.0000 | 84.760 | 0.05747 | 0.00000 | 316523.1 | 207601.7 | 100632.1 | S |
| 158.758 | 0.0000 | 0.0000 | 84.760 | 0.05746 | 0.00000 | 316523.1 | 207603.4 | 100632.1 | S |
| 158.767 | 0.0000 | 0.0000 | 84.760 | 0.05746 | 0.00000 | 316523.1 | 207605.1 | 100632.1 | S |
| 158.775 | 0.0000 | 0.0000 | 84.760 | 0.05745 | 0.00000 | 316523.1 | 207606.8 | 100632.1 | S |
| 158.783 | 0.0000 | 0.0000 | 84.760 | 0.05745 | 0.00000 | 316523.1 | 207608.5 | 100632.1 | S |
| 158.792 | 0.0000 | 0.0000 | 84.760 | 0.05744 | 0.00000 | 316523.1 | 207610.3 | 100632.1 | S |
| 158.800 | 0.0000 | 0.0000 | 84.760 | 0.05743 | 0.00000 | 316523.1 | 207612.0 | 100632.1 | S |
| 158.808 | 0.0000 | 0.0000 | 84.759 | 0.05743 | 0.00000 | 316523.1 | 207613.7 | 100632.1 | S |
| 158.817 | 0.0000 | 0.0000 | 84.759 | 0.05742 | 0.00000 | 316523.1 | 207615.4 | 100632.1 | S |
| 158.825 | 0.0000 | 0.0000 | 84.759 | 0.05742 | 0.00000 | 316523.1 | 207617.2 | 100632.1 | S |
| 158.833 | 0.0000 | 0.0000 | 84.759 | 0.05741 | 0.00000 | 316523.1 | 207618.9 | 100632.1 | S |
| 158.842 | 0.0000 | 0.0000 | 84.759 | 0.05741 | 0.00000 | 316523.1 | 207620.6 | 100632.1 | S |
| 158.850 | 0.0000 | 0.0000 | 84.759 | 0.05740 | 0.00000 | 316523.1 | 207622.3 | 100632.1 | S |
| 158.858 | 0.0000 | 0.0000 | 84.759 | 0.05740 | 0.00000 | 316523.1 | 207624.0 | 100632.1 | S |
| 158.867 | 0.0000 | 0.0000 | 84.758 | 0.05739 | 0.00000 | 316523.1 | 207625.8 | 100632.1 | S |
| 158.875 | 0.0000 | 0.0000 | 84.758 | 0.05739 | 0.00000 | 316523.1 | 207627.5 | 100632.1 | S |
| 158.883 | 0.0000 | 0.0000 | 84.758 | 0.05738 | 0.00000 | 316523.1 | 207629.2 | 100632.1 | S |
| 158.892 | 0.0000 | 0.0000 | 84.758 | 0.05738 | 0.00000 | 316523.1 | 207630.9 | 100632.1 | S |
| 158.900 | 0.0000 | 0.0000 | 84.758 | 0.05737 | 0.00000 | 316523.1 | 207632.7 | 100632.1 | S |
| 158.908 | 0.0000 | 0.0000 | 84.758 | 0.05737 | 0.00000 | 316523.1 | 207634.4 | 100632.1 | S |
| 158.917 | 0.0000 | 0.0000 | 84.758 | 0.05736 | 0.00000 | 316523.1 | 207636.1 | 100632.1 | S |
| 158.925 | 0.0000 | 0.0000 | 84.757 | 0.05736 | 0.00000 | 316523.1 | 207637.8 | 100632.1 | S |
| 158.933 | 0.0000 | 0.0000 | 84.757 | 0.05735 | 0.00000 | 316523.1 | 207639.5 | 100632.1 | S |
| 158.942 | 0.0000 | 0.0000 | 84.757 | 0.05735 | 0.00000 | 316523.1 | 207641.3 | 100632.1 | S |
| 158.950 | 0.0000 | 0.0000 | 84.757 | 0.05734 | 0.00000 | 316523.1 | 207643.0 | 100632. 1 | S |
| 158.958 | 0.0000 | 0.0000 | 84.757 | 0.05734 | 0.00000 | 316523.1 | 207644.7 | 100632.1 | S |
| 158.967 | 0.0000 | 0.0000 | 84.757 | 0.05733 | 0.00000 | 316523.1 | 207646.4 | 100632.1 | S |
| 158.975 | 0.0000 | 0.0000 | 84.757 | 0.05733 | 0.00000 | 316523.1 | 207648.1 | 100632.1 | S |
| 158.983 | 0.0000 | 0.0000 | 84.757 | 0.05732 | 0.00000 | 316523.1 | 207649.9 | 100632.1 | S |
| 158.992 | 0.0000 | 0.0000 | 84.756 | 0.05732 | 0.00000 | 316523.1 | 207651.6 | 100632.1 | S |
| 159.000 | 0.0000 | 0.0000 | 84.756 | 0.05731 | 0.00000 | 316523.1 | 207653.3 | 100632.1 | S |
| 159.008 | 0.0000 | 0.0000 | 84.756 | 0.05731 | 0.00000 | 316523.1 | 207655.0 | 100632.1 | S |
| 159.017 | 0.0000 | 0.0000 | 84.756 | 0.05730 | 0.00000 | 316523.1 | 207656.7 | 100632.1 | S |
| 159.025 | 0.0000 | 0.0000 | 84.756 | 0.05730 | 0.00000 | 316523.1 | 207658.5 | 100632.1 | S |
| 159.033 | 0.0000 | 0.0000 | 84.756 | 0.05729 | 0.00000 | 316523.1 | 207660.2 | 100632.1 | S |
| 159.042 | 0.0000 | 0.0000 | 84.756 | 0.05729 | 0.00000 | 316523.1 | 207661.9 | 100632.1 | S |
| 159.050 | 0.0000 | 0.0000 | 84.755 | 0.05728 | 0.00000 | 316523.1 | 207663.6 | 100632.1 | S |
| 159.058 | 0.0000 | 0.0000 | 84.755 | 0.05727 | 0.00000 | 316523.1 | 207665.3 | 100632.1 | S |
| 159.067 | 0.0000 | 0.0000 | 84.755 | 0.05727 | 0.00000 | 316523.1 | 207667.0 | 100632.1 | S |
| 159.075 | 0.0000 | 0.0000 | 84.755 | 0.05726 | 0.00000 | 316523.1 | 207668.8 | 100632.1 | S |
| 159.083 | 0.0000 | 0.0000 | 84.755 | 0.05726 | 0.00000 | 316523.1 | 207670.5 | 100632.1 | S |
| 159.092 | 0.0000 | 0.0000 | 84.755 | 0.05725 | 0.00000 | 316523.1 | 207672.2 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 159.100 | 0.0000 | 0.0000 | 84.755 | 0.05725 | 0.00000 | 316523.1 | 207673.9 | 100632.1 | S |
| 159.108 | 0.0000 | 0.0000 | 84.754 | 0.05724 | 0.00000 | 316523.1 | 207675.6 | 100632.1 | S |
| 159.117 | 0.0000 | 0.0000 | 84.754 | 0.05724 | 0.00000 | 316523.1 | 207677.4 | 100632.1 | S |
| 159.125 | 0.0000 | 0.0000 | 84.754 | 0.05723 | 0.00000 | 316523.1 | 207679.1 | 100632.1 | S |
| 159.133 | 0.0000 | 0.0000 | 84.754 | 0.05723 | 0.00000 | 316523.1 | 207680.8 | 100632.1 | S |
| 159.142 | 0.0000 | 0.0000 | 84.754 | 0.05722 | 0.00000 | 316523.1 | 207682.5 | 100632.1 | S |
| 159.150 | 0.0000 | 0.0000 | 84.754 | 0.05722 | 0.00000 | 316523.1 | 207684.2 | 100632.1 | S |
| 159.158 | 0.0000 | 0.0000 | 84.754 | 0.05721 | 0.00000 | 316523.1 | 207685.9 | 100632.1 | S |
| 159.167 | 0.0000 | 0.0000 | 84.753 | 0.05721 | 0.00000 | 316523.1 | 207687.7 | 100632.1 | S |
| 159.175 | 0.0000 | 0.0000 | 84.753 | 0.05720 | 0.00000 | 316523.1 | 207689.4 | 100632.1 | S |
| 159.183 | 0.0000 | 0.0000 | 84.753 | 0.05720 | 0.00000 | 316523.1 | 207691.1 | 100632.1 | S |
| 159.192 | 0.0000 | 0.0000 | 84.753 | 0.05719 | 0.00000 | 316523.1 | 207692.8 | 100632.1 | S |
| 159.200 | 0.0000 | 0.0000 | 84.753 | 0.05719 | 0.00000 | 316523.1 | 207694.5 | 100632.1 | S |
| 159.208 | 0.0000 | 0.0000 | 84.753 | 0.05718 | 0.00000 | 316523.1 | 207696.2 | 100632.1 | S |
| 159.217 | 0.0000 | 0.0000 | 84.753 | 0.05718 | 0.00000 | 316523.1 | 207698.0 | 100632.1 | S |
| 159.225 | 0.0000 | 0.0000 | 84.753 | 0.05717 | 0.00000 | 316523.1 | 207699.7 | 100632.1 | S |
| 159.233 | 0.0000 | 0.0000 | 84.752 | 0.05717 | 0.00000 | 316523.1 | 207701.4 | 100632.1 | S |
| 159.242 | 0.0000 | 0.0000 | 84.752 | 0.05716 | 0.00000 | 316523.1 | 207703.1 | 100632.1 | S |
| 159.250 | 0.0000 | 0.0000 | 84.752 | 0.05716 | 0.00000 | 316523.1 | 207704.8 | 100632.1 | S |
| 159.258 | 0.0000 | 0.0000 | 84.752 | 0.05715 | 0.00000 | 316523.1 | 207706.5 | 100632.1 | S |
| 159.267 | 0.0000 | 0.0000 | 84.752 | 0.05715 | 0.00000 | 316523.1 | 207708.3 | 100632.1 | S |
| 159.275 | 0.0000 | 0.0000 | 84.752 | 0.05714 | 0.00000 | 316523.1 | 207710.0 | 100632.1 | S |
| 159.283 | 0.0000 | 0.0000 | 84.752 | 0.05714 | 0.00000 | 316523.1 | 207711.7 | 100632.1 | S |
| 159.292 | 0.0000 | 0.0000 | 84.751 | 0.05713 | 0.00000 | 316523.1 | 207713.4 | 100632.1 | S |
| 159.300 | 0.0000 | 0.0000 | 84.751 | 0.05713 | 0.00000 | 316523.1 | 207715.1 | 100632.1 | S |
| 159.308 | 0.0000 | 0.0000 | 84.751 | 0.05712 | 0.00000 | 316523.1 | 207716.8 | 100632.1 | S |
| 159.317 | 0.0000 | 0.0000 | 84.751 | 0.05712 | 0.00000 | 316523.1 | 207718.5 | 100632.1 | S |
| 159.325 | 0.0000 | 0.0000 | 84.751 | 0.05711 | 0.00000 | 316523.1 | 207720.2 | 100632.1 | S |
| 159.333 | 0.0000 | 0.0000 | 84.751 | 0.05710 | 0.00000 | 316523.1 | 207722.0 | 100632.1 | S |
| 159.342 | 0.0000 | 0.0000 | 84.751 | 0.05710 | 0.00000 | 316523.1 | 207723.7 | 100632.1 | S |
| 159.350 | 0.0000 | 0.0000 | 84.750 | 0.05709 | 0.00000 | 316523.1 | 207725.4 | 100632.1 | S |
| 159.358 | 0.0000 | 0.0000 | 84.750 | 0.05709 | 0.00000 | 316523.1 | 207727.1 | 100632.1 | S |
| 159.367 | 0.0000 | 0.0000 | 84.750 | 0.05708 | 0.00000 | 316523.1 | 207728.8 | 100632.1 | S |
| 159.375 | 0.0000 | 0.0000 | 84.750 | 0.05708 | 0.00000 | 316523.1 | 207730.5 | 100632.1 | S |
| 159.383 | 0.0000 | 0.0000 | 84.750 | 0.05707 | 0.00000 | 316523.1 | 207732.2 | 100632.7 | S |
| 159.392 | 0.0000 | 0.0000 | 84.750 | 0.05707 | 0.00000 | 316523.1 | 207733.9 | 100632.1 | S |
| 159.400 | 0.0000 | 0.0000 | 84.750 | 0.05706 | 0.00000 | 316523.1 | 207735.7 | 100632.1 | S |
| 159.408 | 0.0000 | 0.0000 | 84.749 | 0.05706 | 0.00000 | 316523.1 | 207737.4 | 100632.1 | S |
| 159.417 | 0.0000 | 0.0000 | 84.749 | 0.05705 | 0.00000 | 316523.1 | 207739.1 | 100632.1 | S |
| 159.425 | 0.0000 | 0.0000 | 84.749 | 0.05705 | 0.00000 | 316523.1 | 207740.8 | 100632.1 | S |
| 159.433 | 0.0000 | 0.0000 | 84.749 | 0.05704 | 0.00000 | 316523.1 | 207742.5 | 100632.1 | S |
| 159.442 | 0.0000 | 0.0000 | 84.749 | 0.05704 | 0.00000 | 316523.1 | 207744.2 | 100632.1 | S |
| 159.450 | 0.0000 | 0.0000 | 84.749 | 0.05703 | 0.00000 | 316523.1 | 207745.9 | \{00632.1 | S |
| 159.458 | 0.0000 | 0.0000 | 84.749 | 0.05703 | 0.00000 | 316523.1 | 207747.6 | 100632.1 | S |
| 159.467 | 0.0000 | 0.0000 | 84.749 | 0.05702 | 0.00000 | 316523.1 | 207749.3 | 100632.1 | S |
| 159.475 | 0.0000 | 0.0000 | 84.748 | 0.05702 | 0.00000 | 316523.1 | 207751.0 | 100632.1 | S |
| 159.483 | 0.0000 | 0.0000 | 84.748 | 0.05701 | 0.00000 | 316523.1 | 207752.8 | 100632.1 | S |
| 159.492 | 0.0000 | 0.0000 | 84.748 | 0.05701 | 0.00000 | 316523.1 | 207754.5 | 100632.1 | S |
| 159.500 | 0.0000 | 0.0000 | 84.748 | 0.05700 | 0.00000 | 316523.1 | 207756.2 | 100632.1 | S |
| 159.508 | 0.0000 | 0.0000 | 84.748 | 0.05700 | 0.00000 | 316523.1 | 207757.9 | 100632.1 | S |
| 159.517 | 0.0000 | 0.0000 | 84.748 | 0.05699 | 0.00000 | 316523.1 | 207759.6 | 100632.1 | S |
| 159.525 | 0.0000 | 0.0000 | 84.748 | 0.05699 | 0.00000 | 316523.1 | 207761.3 | 100632.1 | S |
| 159.533 | 0.0000 | 0.0000 | 84.747 | 0.05698 | 0.00000 | 316523.1 | 207763.0 | 100632.1 | S |
| 159.542 | 0.0000 | 0.0000 | 84.747 | 0.05698 | 0.00000 | 316523.1 | 207764.7 | 100632.1 | S |
| 159.550 | 0.0000 | 0.0000 | 84.747 | 0.05697 | 0.00000 | 316523.1 | 207766.4 | 100632.1 | S |
| 159.558 | 0.0000 | 0.0000 | 84.747 | 0.05697 | 0.00000 | 316523.1 | 207768.2 | 100632.1 | S |
| 159.567 | 0.0000 | 0.0000 | 84.747 | 0.05696 | 0.00000 | 316523.1 | 207769.9 | 100632.1 | S |
| 159.575 | 0.0000 | 0.0000 | 84.747 | 0.05696 | 0.00000 | 316523.1 | 207771.6 | 100632.1 | S |
| 159.583 | 0.0000 | 0.0000 | 84.747 | 0.05695 | 0.00000 | 316523.1 | 207773.3 | 100632.1 | S |
| 159.592 | 0.0000 | 0.0000 | 84.746 | 0.05695 | 0.00000 | 316523.1 | 207775.0 | 100632.1 | S |
| 159.600 | 0.0000 | 0.0000 | 84.746 | 0.05694 | 0.00000 | 316523.1 | 207776.7 | 100632.1 | S |
| 159.608 | 0.0000 | 0.0000 | 84.746 | 0.05694 | 0.00000 | 316523.1 | 207778.4 | 100632.1 | S |
| 159.617 | 0.0000 | 0.0000 | 84.746 | 0.05693 | 0.00000 | 316523.1 | 207780.1 | 100632.1 | S |
| 159.625 | 0.0000 | 0.0000 | 84.746 | 0.05693 | 0.00000 | 316523.1 | 207781.8 | 100632.1 | S |
| 159.633 | 0.0000 | 0.0000 | 84.746 | 0.05692 | 0.00000 | 316523.1 | 207783.5 | 100632.1 | S |
| 159.642 | 0.0000 | 0.0000 | 84.746 | 0.05691 | 0.00000 | 316523.1 | 207785.2 | 100632.1 | S |
| 159.650 | 0.0000 | 0.0000 | 84.745 | 0.05691 | 0.00000 | 316523.1 | 207786.9 | 100632.1 | S |
| 159.658 | 0.0000 | 0.0000 | 84.745 | 0.05690 | 0.00000 | 316523.1 | 207788.6 | 100632.1 | S |
| 159.667 | 0.0000 | 0.0000 | 84.745 | 0.05690 | 0.00000 | 316523.1 | 207790.4 | 100632.1 | S |
| 159.675 | 0.0000 | 0.0000 | 84.745 | 0.05689 | 0.00000 | 316523.1 | 207792.1 | 100632.1 | S |
| 159.683 | 0.0000 | 0.0000 | 84.745 | 0.05689 | 0.00000 | 316523.1 | 207793.8 | 100632.1 | S |
| 159.692 | 0.0000 | 0.0000 | 84.745 | 0.05688 | 0.00000 | 316523.1 | 207795.5 | 100632.1 | S |
| 159.700 | 0.0000 | 0.0000 | 84.745 | 0.05688 | 0.00000 | 316523.1 | 207797.2 | 100632.1 | S |
| 159.708 | 0.0000 | 0.0000 | 84.745 | 0.05687 | 0.00000 | 316523.1 | 207798.9 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{A}^{3} / \mathrm{s}$ ) | $\begin{aligned} & \text { Cumulative } \\ & \text { Inflow } \\ & \text { Volume ( } \mathrm{ft}^{3} \text { ) } \end{aligned}$ | Cumulative Infiltration Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Discharge Volume (fis) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 159.717 | 0.0000 | 0.0000 | 84.744 | 0.05687 | 0.00000 | 316523.1 | 207800.6 | 100632.1 | S |
| 159.725 | 0.0000 | 0.0000 | 84.744 | 0.05686 | 0.00000 | 316523.1 | 207802.3 | 100632.1 | S |
| 159.733 | 0.0000 | 0.0000 | 84.744 | 0.05686 | 0.00000 | 316523.1 | 207804.0 | 100632.1 | S |
| 159.742 | 0.0000 | 0.0000 | 84.744 | 0.05685 | 0.00000 | 316523.1 | 207805.7 | 100632.1 | S |
| 159.750 | 0.0000 | 0.0000 | 84.744 | 0.05685 | 0.00000 | 316523.1 | 207807.4 | 100632.1 | S |
| 159.758 | 0.0000 | 0.0000 | 84.744 | 0.05684 | 0.00000 | 316523.1 | 207809.1 | 100632.1 | S |
| 159.767 | 0.0000 | 0.0000 | 84.744 | 0.05684 | 0.00000 | 316523.1 | 207810.8 | 100632.1 | S |
| 159.775 | 0.0000 | 0.0000 | 84.743 | 0.05683 | 0.00000 | 316523.1 | 207812.5 | 100632.1 | S |
| 159.783 | 0.0000 | 0.0000 | 84.743 | 0.05683 | 0.00000 | 316523.1 | 207814.2 | 100632.1 | S |
| 159.792 | 0.0000 | 0.0000 | 84.743 | 0.05682 | 0.00000 | 316523.1 | 207815.9 | 100632.1 | S |
| 159.800 | 0.0000 | 0.0000 | 84.743 | 0.05682 | 0.00000 | 316523.1 | 207817.6 | 100632.1 | S |
| 159.808 | 0.0000 | 0.0000 | 84.743 | 0.05681 | 0.00000 | 316523.1 | 207819.4 | 100632.1 | S |
| 159.817 | 0.0000 | 0.0000 | 84.743 | 0.05681 | 0.00000 | 316523.1 | 207821.1 | 100632.1 | S |
| 159.825 | 0.0000 | 0.0000 | 84.743 | 0.05680 | 0.00000 | 316523.1 | 207822.8 | 100632.1 | S |
| 159.833 | 0.0000 | 0.0000 | 84.742 | 0.05680 | 0.00000 | 316523.1 | 207824.5 | 100632.1 | S |
| 159.842 | 0.0000 | 0.0000 | 84.742 | 0.05679 | 0.00000 | 316523.1 | 207826.2 | 100632.1 | S |
| 159.850 | 0.0000 | 0.0000 | 84.742 | 0.05679 | 0.00000 | 316523.1 | 207827.9 | 100632.1 | S |
| 159.858 | 0.0000 | 0.0000 | 84.742 | 0.05678 | 0.00000 | 316523.1 | 207829.6 | 100632.1 | S |
| 159.867 | 0.0000 | 0.0000 | 84.742 | 0.05678 | 0.00000 | 316523.1 | 207831.3 | 100632.1 | S |
| 159.875 | 0.0000 | 0.0000 | 84.742 | 0.05677 | 0.00000 | 316523.1 | 207833.0 | 100632.1 | S |
| 159.883 | 0.0000 | 0.0000 | 84.742 | 0.05677 | 0.00000 | 316523.1 | 207834.7 | 100632.1 | S |
| \{59.892 | 0.0000 | 0.0000 | 84.741 | 0.05676 | 0.00000 | 316523.1 | 207836.4 | 100632.1 | S |
| 159.900 | 0.0000 | 0.0000 | 84.741 | 0.05676 | 0.00000 | 316523.1 | 207838.1 | 100632.1 | S |
| 159.908 | 0.0000 | 0.0000 | 84.741 | 0.05675 | 0.00000 | 316523.1 | 207839.8 | 100632.1 | S |
| 159.917 | 0.0000 | 0.0000 | 84.741 | 0.05675 | 0.00000 | 316523.1 | 207841.5 | 100632.1 | S |
| 159.925 | 0.0000 | 0.0000 | 84.741 | 0.05674 | 0.00000 | 316523.1 | 207843.2 | 100632.1 | S |
| 159.933 | 0.0000 | 0.0000 | 84.741 | 0.05674 | 0.00000 | 316523.1 | 207844.9 | 100632.1 | S |
| 159.942 | 0.0000 | 0.0000 | 84.741 | 0.05673 | 0.00000 | 316523.1 | 207846.6 | 100632.1 | S |
| 159.950 | 0.0000 | 0.0000 | 84.741 | 0.05673 | 0.00000 | 316523.1 | 207848.3 | 100632.1 | S |
| 159.958 | 0.0000 | 0.0000 | 84.740 | 0.05672 | 0.00000 | 316523.1 | 207850.0 | 100632.1 | S |
| 159.967 | 0.0000 | 0.0000 | 84.740 | 0.05672 | 0.00000 | 316523.1 | 207851.7 | 100632.1 | S |
| 159.975 | 0.0000 | 0.0000 | 84.740 | 0.05671 | 0.00000 | 316523.1 | 207853.4 | 100632.1 | S |
| 159.983 | 0.0000 | 0.0000 | 84.740 | 0.05671 | 0.00000 | 316523.1 | 207855.1 | 100632.1 | S |
| 159.992 | 0.0000 | 0.0000 | 84.740 | 0.05670 | 0.00000 | 316523.1 | 207856.8 | 100632.1 | S |
| 160.000 | 0.0000 | 0.0000 | 84.740 | 0.05670 | 0.00000 | 316523.1 | 207858.5 | 100632.1 | S |
| 160.008 | 0.0000 | 0.0000 | 84.740 | 0.05669 | 0.00000 | 316523.1 | 207860.2 | 100632.1 | S |
| 160.017 | 0.0000 | 0.0000 | 84.739 | 0.05668 | 0.00000 | 316523.1 | 207861.9 | 100632.1 | S |
| 160.025 | 0.0000 | 0.0000 | 84.739 | 0.05668 | 0.00000 | 316523.1 | 207863.6 | 100632.1 | S |
| 160.033 | 0.0000 | 0.0000 | 84.739 | 0.05667 | 0.00000 | 316523.1 | 207865.3 | 100632.1 | S |
| 160.042 | 0.0000 | 0.0000 | 84.739 | 0.05667 | 0.00000 | 316523.1 | 207867.0 | 100632.1 | S |
| 160.050 | 0.0000 | 0.0000 | 84.739 | 0.05666 | 0.00000 | 316523.1 | 207868.7 | 100632.1 | S |
| 160.058 | 0.0000 | 0.0000 | 84.739 | 0.05666 | 0.00000 | 316523.1 | 207870.4 | 100632.1 | S |
| 160.067 | 0.0000 | 0.0000 | 84.739 | 0.05665 | 0.00000 | 316523.1 | 207872.1 | 100632.1 | S |
| 160.075 | 0.0000 | 0.0000 | 84.738 | 0.05665 | 0.00000 | 316523.1 | 207873.8 | 100632.1 | S |
| 160.083 | 0.0000 | 0.0000 | 84.738 | 0.05664 | 0.00000 | 316523.1 | 207875.5 | 100632.1 | S |
| 160.092 | 0.0000 | 0.0000 | 84.738 | 0.05664 | 0.00000 | 316523.1 | 207877.2 | 100632.1 | S |
| 160.100 | 0.0000 | 0.0000 | 84.738 | 0.05663 | 0.00000 | 316523.1 | 207878.9 | \{00632.1 | S |
| 160.108 | 0.0000 | 0.0000 | 84.738 | 0.05663 | 0.00000 | 316523.1 | 207880.6 | 100632.1 | S |
| 160.117 | 0.0000 | 0.0000 | 84.738 | 0.05662 | 0.00000 | 316523.1 | 207882.3 | 100632.1 | S |
| 160.125 | 0.0000 | 0.0000 | 84.738 | 0.05662 | 0.00000 | 316523.1 | 207884.0 | 100632.1 | S |
| $\ddagger 60.133$ | 0.0000 | 0.0000 | 84.737 | 0.05661 | 0.00000 | 316523.1 | 207885.7 | 100632.1 | S |
| 160.142 | 0.0000 | 0.0000 | 84.737 | 0.05661 | 0.00000 | 316523.1 | 207887.4 | 100632.1 | S |
| 160.150 | 0.0000 | 0.0000 | 84.737 | 0.05660 | 0.00000 | 316523.1 | 207889.1 | 100632.1 | S |
| 160.158 | 0.0000 | 0.0000 | 84.737 | 0.05660 | 0.00000 | 316523.1 | 207890.8 | 100632.1 | S |
| 160.167 | 0.0000 | 0.0000 | 84.737 | 0.05659 | 0.00000 | 316523.1 | 207892.5 | 100632.1 | S |
| 160.175 | 0.0000 | 0.0000 | 84.737 | 0.05659 | 0.00000 | 316523.1 | 207894.2 | 100632.1 | S |
| 160.183 | 0.0000 | 0.0000 | 84.737 | 0.05658 | 0.00000 | 316523.1 | 207895.9 | 100632.1 | S |
| 160.192 | 0.0000 | 0.0000 | 84.737 | 0.05658 | 0.00000 | 316523.1 | 207897.6 | 100632.1 | S |
| 160.200 | 0.0000 | 0.0000 | 84.736 | 0.05657 | 0.00000 | 316523.1 | 207899.3 | 100632.1 | S |
| 160.208 | 0.0000 | 0.0000 | 84.736 | 0.05657 | 0.00000 | 316523.7 | 207901.0 | 100632.1 | S |
| 160.217 | 0.0000 | 0.0000 | 84.736 | 0.05656 | 0.00000 | 316523.1 | 207902.7 | 100632.1 | S |
| 160.225 | 0.0000 | 0.0000 | 84.736 | 0.05656 | 0.00000 | 316523.1 | 207904.4 | 100632.1 | S |
| 160.233 | 0.0000 | 0.0000 | 84.736 | 0.05655 | 0.00000 | 316523.1 | 207906.1 | 100632.1 | S |
| 160.242 | 0.0000 | 0.0000 | 84.736 | 0.05655 | 0.00000 | 316523.1 | 207907.8 | 100632.1 | S |
| 160.250 | 0.0000 | 0.0000 | 84.736 | 0.05654 | 0.00000 | 316523.1 | 207909.5 | 100632.1 | S |
| 160.258 | 0.0000 | 0.0000 | 84.735 | 0.05654 | 0.00000 | 316523.1 | 207911.2 | 100632.1 | S |
| 160.267 | 0.0000 | 0.0000 | 84.735 | 0.05653 | 0.00000 | 316523.1 | 207912.9 | 100632.1 | S |
| 160.275 | 0.0000 | 0.0000 | 84.735 | 0.05653 | 0.00000 | 316523.1 | 207914.6 | 100632.1 | S |
| 160.283 | 0.0000 | 0.0000 | 84.735 | 0.05652 | 0.00000 | 316523.1 | 207916.3 | 100632.1 | S |
| 160.292 | 0.0000 | 0.0000 | 84.735 | 0.05652 | 0.00000 | 316523.1 | 207918.0 | 100632.1 | S |
| 160.300 | 0.0000 | 0.0000 | 84.735 | 0.05651 | 0.00000 | 316523.1 | 207919.6 | 100632.1 | S |
| 160.308 | 0.0000 | 0.0000 | 84.735 | 0.05651 | 0.00000 | 316523.1 | 207921.3 | 100632.1 | S |
| 160.317 | 0.0000 | 0.0000 | 84.734 | 0.05650 | 0.00000 | 316523.1 | 207923.0 | 100632.1 | S |
| 160.325 | 0.0000 | 0.0000 | 84.734 | 0.05650 | 0.00000 | 316523.1 | 207924.7 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | inflow Rate (ft ${ }^{3} / \mathrm{s}$ ) | Outside Recharge (fU/day) | Stage Elevation ( 1 d datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | $\begin{aligned} & \text { Cumulative } \\ & \text { Inflow } \\ & \text { Volume ( } \mathrm{ft}^{3} \text { ) } \end{aligned}$ | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume (fis) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\{60.333$ | 0.0000 | 0.0000 | 84.734 | 0.05649 | 0.00000 | 316523.1 | 207926.4 | 100632.1 | S |
| 160.342 | 0.0000 | 0.0000 | 84.734 | 0.05649 | 0.00000 | 316523.1 | 207928.1 | 100632.1 | S |
| 160.350 | 0.0000 | 0.0000 | 84.734 | 0.05648 | 0.00000 | 316523.1 | 207929.8 | 100632.1 | S |
| 160.358 | 0.0000 | 0.0000 | 84.734 | 0.05648 | 0.00000 | 316523.1 | 207931.5 | 100632.1 | S |
| 160.367 | 0.0000 | 0.0000 | 84.734 | 0.05647 | 0.00000 | 316523.1 | 207933.2 | 100632.1 | S |
| 160.375 | 0.0000 | 0.0000 | 84.734 | 0.05647 | 0.00000 | 316523.1 | 207934.9 | 100632.1 | S |
| 160.383 | 0.0000 | 0.0000 | 84.733 | 0.05646 | 0.00000 | 316523.1 | 207936.6 | 100632.1 | S |
| 160.392 | 0.0000 | 0.0000 | 84.733 | 0.05646 | 0.00000 | 316523.1 | 207938.3 | 100632.1 | S |
| 160.400 | 0.0000 | 0.0000 | 84.733 | 0.05645 | 0.00000 | 316523.1 | 207940.0 | 100632.1 | S |
| 160.408 | 0.0000 | 0.0000 | 84.733 | 0.05645 | 0.00000 | 316523.1 | 207941.7 | 100632.1 | S |
| 160.417 | 0.0000 | 0.0000 | 84.733 | 0.05644 | 0.00000 | 316523.1 | 207943.4 | 100632.1 | S |
| 160.425 | 0.0000 | 0.0000 | 84.733 | 0.05644 | 0.00000 | 316523.1 | 207945.1 | 100632.1 | S |
| 160.433 | 0.0000 | 0.0000 | 84.733 | 0.05643 | 0.00000 | 316523.1 | 207946.8 | 100632.1 | S |
| 160.442 | 0.0000 | 0.0000 | 84.732 | 0.05643 | 0.00000 | 316523.1 | 207948.4 | 100632.1 | S |
| 160.450 | 0.0000 | 0.0000 | 84.732 | 0.05642 | 0.00000 | 316523.1 | 207950.1 | 100632.1 | S |
| 160.458 | 0.0000 | 0.0000 | 84.732 | 0.05642 | 0.00000 | 316523.1 | 207951.8 | 100632.1 | S |
| 160.467 | 0.0000 | 0.0000 | 84.732 | 0.05641 | 0.00000 | 316523.1 | 207953.5 | 100632.1 | S |
| 160.475 | 0.0000 | 0.0000 | 84.732 | 0.05641 | 0.00000 | 316523.1 | 207955.2 | 100632.1 | S |
| 160.483 | 0.0000 | 0.0000 | 84.732 | 0.05640 | 0.00000 | 316523.1 | 207956.9 | 100632.1 | S |
| 160.492 | 0.0000 | 0.0000 | 84.732 | 0.05640 | 0.00000 | 316523.1 | 207958.6 | 100632.1 | S |
| 160.500 | 0.0000 | 0.0000 | 84.731 | 0.05639 | 0.00000 | 316523.1 | 207960.3 | 100632.1 | S |
| 160.508 | 0.0000 | 0.0000 | 84.731 | 0.05639 | 0.00000 | 316523.1 | 207962.0 | 100632.1 | S |
| 160.517 | 0.0000 | 0.0000 | 84.731 | 0.05638 | 0.00000 | 316523.1 | 207963.7 | 100632.1 | S |
| 160.525 | 0.0000 | 0.0000 | 84.731 | 0.05637 | 0.00000 | 316523.1 | 207965.4 | 100632.1 | S |
| 160.533 | 0.0000 | 0.0000 | 84.731 | 0.05637 | 0.00000 | 316523.1 | 207967.0 | 100632.1 | S |
| 160.542 | 0.0000 | 0.0000 | 84.731 | 0.05636 | 0.00000 | 316523.1 | 207968.8 | 100632.1 | S |
| 160.550 | 0.0000 | 0.0000 | 84.731 | 0.05636 | 0.00000 | 316523.1 | 207970.4 | 100632.1 | S |
| 160.558 | 0.0000 | 0.0000 | 84.730 | 0.05635 | 0.00000 | 316523.1 | 207972.1 | 100632.1 | S |
| 160.567 | 0.0000 | 0.0000 | 84.730 | 0.05635 | 0.00000 | 316523.1 | 207973.8 | 100632.1 | S |
| 160.575 | 0.0000 | 0.0000 | 84.730 | 0.05634 | 0.00000 | 316523.1 | 207975.5 | 100632.1 | S |
| 160.583 | 0.0000 | 0.0000 | 84.730 | 0.05634 | 0.00000 | 316523.1 | 207977.2 | 100632.1 | S |
| 160.592 | 0.0000 | 0.0000 | 84.730 | 0.05633 | 0.00000 | 316523.1 | 207978.9 | 100632.1 | S |
| 160.600 | 0.0000 | 0.0000 | 84.730 | 0.05633 | 0.00000 | 316523.1 | 207980.6 | 100632.1 | S |
| 160.608 | 0.0000 | 0.0000 | 84.730 | 0.05632 | 0.00000 | 316523.1 | 207982.3 | 100632.1 | S |
| 160.617 | 0.0000 | 0.0000 | 84.730 | 0.05632 | 0.00000 | 316523.1 | 207984.0 | 100632.1 | S |
| 160.625 | 0.0000 | 0.0000 | 84.729 | 0.05631 | 0.00000 | 316523.1 | 207985.6 | 100632.1 | S |
| 160.633 | 0.0000 | 0.0000 | 84.729 | 0.05631 | 0.00000 | 316523.1 | 207987.3 | 100632.1 | S |
| 160.642 | 0.0000 | 0.0000 | 84.729 | 0.05630 | 0.00000 | 316523.1 | 207989.0 | 100632.1 | S |
| 160.650 | 0.0000 | 0.0000 | 84.729 | 0.05630 | 0.00000 | 316523.1 | 207990.7 | 100632.1 | S |
| 160.658 | 0.0000 | 0.0000 | 84.729 | 0.05629 | 0.00000 | 316523.1 | 207992.4 | 100632.1 | S |
| 160.667 | 0.0000 | 0.0000 | 84.729 | 0.05629 | 0.00000 | 316523.1 | 207994.1 | 100632.1 | S |
| 160.675 | 0.0000 | 0.0000 | 84.729 | 0.05628 | 0.00000 | 316523.1 | 207995.8 | 100632.1 | S |
| 160.683 | 0.0000 | 0.0000 | 84.728 | 0.05628 | 0.00000 | 316523.1 | 207997.5 | 100632.1 | S |
| 160.692 | 0.0000 | 0.0000 | 84.728 | 0.05627 | 0.00000 | 316523.1 | 207999.2 | 100632.1 | S |
| 160.700 | 0.0000 | 0.0000 | 84.728 | 0.05627 | 0.00000 | 316523.1 | 208000.8 | 100632.1 | S |
| 160.708 | 0.0000 | 0.0000 | 84.728 | 0.05626 | 0.00000 | 316523.1 | 208002.5 | 100632.1 | S |
| 160.717 | 0.0000 | 0.0000 | 84.728 | 0.05626 | 0.00000 | 316523.1 | 208004.2 | 100632.1 | S |
| 160.725 | 0.0000 | 0.0000 | 84.728 | 0.05625 | 0.00000 | 316523.1 | 208005.9 | 100632.1 | S |
| 160.733 | 0.0000 | 0.0000 | 84.728 | 0.05625 | 0.00000 | 316523.1 | 208007.6 | 100632.1 | S |
| 160.742 | 0.0000 | 0.0000 | 84.727 | 0.05624 | 0.00000 | 316523.1 | 208009.3 | 100632.1 | S |
| 160.750 | 0.0000 | 0.0000 | 84.727 | 0.05624 | 0.00000 | 316523.1 | 208011.0 | 100632.1 | S |
| 160.758 | 0.0000 | 0.0000 | 84.727 | 0.05623 | 0.00000 | 316523.1 | 208012.7 | 100632.1 | S |
| 160.767 | 0.0000 | 0.0000 | 84.727 | 0.05623 | 0.00000 | 316523.1 | 208014.3 | 100632.1 | S |
| 160.775 | 0.0000 | 0.0000 | 84.727 | 0.05622 | 0.00000 | 316523.1 | 208016.0 | 100632.1 | S |
| 160.783 | 0.0000 | 0.0000 | 84.727 | 0.05622 | 0.00000 | 316523.1 | 208017.7 | 100632.1 | S |
| 160.792 | 0.0000 | 0.0000 | 84.727 | 0.05621 | 0.00000 | 316523.1 | 208019.4 | 100632.1 | S |
| 160.800 | 0.0000 | 0.0000 | 84.727 | 0.05621 | 0.00000 | 316523.1 | 208021.1 | 100632.1 | S |
| 160.808 | 0.0000 | 0.0000 | 84.726 | 0.05620 | 0.00000 | 316523.1 | 208022.8 | 100632.1 | S |
| 160.817 | 0.0000 | 0.0000 | 84.726 | 0.05620 | 0.00000 | 316523.1 | 208024.5 | 100632.1 | S |
| 160.825 | 0.0000 | 0.0000 | 84.726 | 0.05619 | 0.00000 | 316523.1 | 208026.2 | 100632.1 | S |
| 160.833 | 0.0000 | 0.0000 | 84.726 | 0.05619 | 0.00000 | 316523.1 | 208027.8 | 100632.1 | S |
| 160.842 | 0.0000 | 0.0000 | 84.726 | 0.05618 | 0.00000 | 316523.1 | 208029.5 | 100632.1 | S |
| 160.850 | 0.0000 | 0.0000 | 84.726 | 0.05618 | 0.00000 | 316523.1 | 208031.2 | 100632.1 | S |
| 160.858 | 0.0000 | 0.0000 | 84.726 | 0.05617 | 0.00000 | 316523.1 | 208032.9 | 100632.1 | S |
| 160.867 | 0.0000 | 0.0000 | 84.725 | 0.05617 | 0.00000 | 316523.1 | 208034.6 | 100632.1 | S |
| 160.875 | 0.0000 | 0.0000 | 84.725 | 0.05616 | 0.00000 | 316523.1 | 208036.3 | 100632.1 | S |
| 160.883 | 0.0000 | 0.0000 | 84.725 | 0.05616 | 0.00000 | 316523.1 | 208038.0 | 100632.1 | S |
| 160.892 | 0.0000 | 0.0000 | 84.725 | 0.05615 | 0.00000 | 316523.1 | 208039.6 | 100632.1 | S |
| 160.900 | 0.0000 | 0.0000 | 84.725 | 0.05615 | 0.00000 | 316523.1 | 208041.3 | 100632.1 | S |
| 160.908 | 0.0000 | 0.0000 | 84.725 | 0.05614 | 0.00000 | 316523.1 | 208043.0 | 100632.1 | S |
| 160.917 | 0.0000 | 0.0000 | 84.725 | 0.05614 | 0.00000 | 316523.1 | 208044.7 | 100632.1 | S |
| 160.925 | 0.0000 | 0.0000 | 84.724 | 0.05613 | 0.00000 | 316523.1 | 208046.4 | 100632.1 | S |
| 160.933 | 0.0000 | 0.0000 | 84.724 | 0.05613 | 0.00000 | 316523.1 | 208048.0 | \$00632.1 | S |
| 160.942 | 0.0000 | 0.0000 | 84.724 | 0.05612 | 0.00000 | 316523.1 | 208049.7 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 160.950 | 0.0000 | 0.0000 | 84.724 | 0.05612 | 0.00000 | 316523.1 | 208051.4 | 100632.1 | S |
| 160.958 | 0.0000 | 0.0000 | 84.724 | 0.05611 | 0.00000 | 316523.1 | 208053.1 | 100632.1 | S |
| 160.967 | 0.0000 | 0.0000 | 84.724 | 0.05611 | 0.00000 | 316523.1 | 208054.8 | 100632.1 | S |
| 160.975 | 0.0000 | 0.0000 | 84.724 | 0.05610 | 0.00000 | 316523.1 | 208056.5 | 100632.1 | S |
| 160.983 | 0.0000 | 0.0000 | 84.723 | 0.05610 | 0.00000 | 316523.1 | 208058.2 | 100632.1 | S |
| 160.992 | 0.0000 | 0.0000 | 84.723 | 0.05609 | 0.00000 | 316523.1 | 208059.8 | 100632.1 | S |
| 161.000 | 0.0000 | 0.0000 | 84.723 | 0.05609 | 0.00000 | 316523.1 | 208061.5 | 100632.1 | S |
| 161.008 | 0.0000 | 0.0000 | 84.723 | 0.05608 | 0.00000 | 316523.1 | 208063.2 | 100632.1 | S |
| 161.017 | 0.0000 | 0.0000 | 84.723 | 0.05608 | 0.00000 | 316523.1 | 208064.9 | 100632.1 | S |
| 161.025 | 0.0000 | 0.0000 | 84.723 | 0.05607 | 0.00000 | 316523.1 | 208066.6 | 100632.1 | S |
| 161.033 | 0.0000 | 0.0000 | 84.723 | 0.05607 | 0.00000 | 316523.1 | 208068.3 | 100632.1 | S |
| 161.042 | 0.0000 | 0.0000 | 84.723 | 0.05606 | 0.00000 | 316523.1 | 208069.9 | 100632.1 | S |
| 161.050 | 0.0000 | 0.0000 | 84.722 | 0.05606 | 0.00000 | 316523.1 | 208071.6 | 100632.1 | S |
| 161.058 | 0.0000 | 0.0000 | 84.722 | 0.05605 | 0.00000 | 316523.1 | 208073.3 | 100632.1 | S |
| 161.067 | 0.0000 | 0.0000 | 84.722 | 0.05605 | 0.00000 | 316523.1 | 208075.0 | 100632.1 | S |
| 161.075 | 0.0000 | 0.0000 | 84.722 | 0.05604 | 0.00000 | 316523.1 | 208076.7 | 100632.1 | S |
| 161.083 | 0.0000 | 0.0000 | 84.722 | 0.05604 | 0.00000 | 316523.1 | 208078.3 | 100632.1 | S |
| 161.092 | 0.0000 | 0.0000 | 84.722 | 0.05603 | 0.00000 | 316523.1 | 208080.0 | 100632.1 | S |
| 161.100 | 0.0000 | 0.0000 | 84.722 | 0.05603 | 0.00000 | 316523.1 | 208081.7 | 100632.1 | S |
| 161.108 | 0.0000 | 0.0000 | 84.721 | 0.05602 | 0.00000 | 316523.1 | 208083.4 | 100632.1 | S |
| 161.117 | 0.0000 | 0.0000 | 84.721 | 0.05602 | 0.00000 | 316523.1 | 208085.1 | 100632.1 | S |
| 161.125 | 0.0000 | 0.0000 | 84.721 | 0.05601 | 0.00000 | 316523.1 | 208086.7 | 100632.1 | S |
| 161.133 | 0.0000 | 0.0000 | 84.721 | 0.05601 | 0.00000 | 316523.1 | 208088.4 | 100632.1 | S |
| 161.142 | 0.0000 | 0.0000 | 84.721 | 0.05600 | 0.00000 | 316523.1 | 208090.1 | 100632.1 | S |
| 161.150 | 0.0000 | 0.0000 | 84.721 | 0.05600 | 0.00000 | 316523.1 | 208091.8 | 100632.1 | S |
| 161.158 | 0.0000 | 0.0000 | 84.721 | 0.05599 | 0.00000 | 316523.1 | 208093.5 | 100632.1 | S |
| 161.167 | 0.0000 | 0.0000 | 84.720 | 0.05599 | 0.00000 | 316523.1 | 208095.1 | 100632.1 | S |
| 161.175 | 0.0000 | 0.0000 | 84.720 | 0.05598 | 0.00000 | 316523.1 | 208096.8 | 100632.1 | S |
| 161.183 | 0.0000 | 0.0000 | 84.720 | 0.05598 | 0.00000 | 316523.1 | 208098.5 | 100632.1 | S |
| 161.192 | 0.0000 | 0.0000 | 84.720 | 0.05597 | 0.00000 | 316523.1 | 208100.2 | 100632.1 | S |
| 161.200 | 0.0000 | 0.0000 | 84.720 | 0.05597 | 0.00000 | 316523.1 | 208101.9 | 100632.1 | S |
| 161.208 | 0.0000 | 0.0000 | 84.720 | 0.05596 | 0.00000 | 316523.1 | 208103.5 | 100632.1 | S |
| 161.217 | 0.0000 | 0.0000 | 84.720 | 0.05596 | 0.00000 | 316523.1 | 208105.2 | 100632.1 | S |
| 161.225 | 0.0000 | 0.0000 | 84.720 | 0.05595 | 0.00000 | 316523.1 | 208106.9 | 100632.1 | S |
| 161.233 | 0.0000 | 0.0000 | 84.719 | 0.05595 | 0.00000 | 316523.1 | 208108.6 | 100632.1 | S |
| 161.242 | 0.0000 | 0.0000 | 84.719 | 0.05594 | 0.00000 | 316523.1 | 208110.3 | 100632.1 | S |
| 161.250 | 0.0000 | 0.0000 | 84.719 | 0.05594 | 0.00000 | 316523.1 | 208111.9 | 100632.1 | S |
| 161.258 | 0.0000 | 0.0000 | 84.719 | 0.05593 | 0.00000 | 316523.1 | 208113.6 | 100632.1 | S |
| 161.267 | 0.0000 | 0.0000 | 84.719 | 0.05593 | 0.00000 | 316523.1 | 208115.3 | 100632.1 | S |
| 161.275 | 0.0000 | 0.0000 | 84.719 | 0.05592 | 0.00000 | 316523.1 | 208117.0 | 100632.1 | S |
| 161.283 | 0.0000 | 0.0000 | 84.719 | 0.05592 | 0.00000 | 316523.1 | 208118.6 | 100632.1 | S |
| 161.292 | 0.0000 | 0.0000 | 84.718 | 0.05591 | 0.00000 | 316523.1 | 208120.3 | 100632.1 | S |
| 161.300 | 0.0000 | 0.0000 | 84.718 | 0.05591 | 0.00000 | 316523.1 | 208122.0 | 100632.1 | S |
| 161.308 | 0.0000 | 0.0000 | 84.718 | 0.05590 | 0.00000 | 316523.1 | 208123.7 | 100632.1 | S |
| 161.317 | 0.0000 | 0.0000 | 84.718 | 0.05590 | 0.00000 | 316523.1 | 208125.3 | 100632.1 | S |
| 161.325 | 0.0000 | 0.0000 | 84.718 | 0.05589 | 0.00000 | 316523.1 | 208127.0 | 100632.1 | S |
| 161.333 | 0.0000 | 0.0000 | 84.718 | 0.05589 | 0.00000 | 316523.1 | 208128.7 | 100632.1 | S |
| 161.342 | 0.0000 | 0.0000 | 84.718 | 0.05588 | 0.00000 | 316523.1 | 208130.4 | 100632.1 | S |
| 161.350 | 0.0000 | 0.0000 | 84.717 | 0.05588 | 0.00000 | 316523.1 | 208132.0 | 100632.1 | S |
| 161.358 | 0.0000 | 0.0000 | 84.717 | 0.05587 | 0.00000 | 316523.1 | 208133.7 | 100632.1 | S |
| 161.367 | 0.0000 | 0.0000 | 84.717 | 0.05587 | 0.00000 | 316523.1 | 208135.4 | 100632.1 | S |
| 161.375 | 0.0000 | 0.0000 | 84.717 | 0.05586 | 0.00000 | 316523.1 | 208137.3 | 100632.1 | S |
| 161.383 | 0.0000 | 0.0000 | 84.717 | 0.05586 | 0.00000 | 316523.1 | 208138.8 | 100632.1 | S |
| 161.392 | 0.0000 | 0.0000 | 84.717 | 0.05585 | 0.00000 | 316523.1 | 208140.4 | 100632.1 | S |
| 161.400 | 0.0000 | 0.0000 | 84.717 | 0.05585 | 0.00000 | 316523.1 | 208142.1 | 100632.1 | S |
| 161.408 | 0.0000 | 0.0000 | 84.717 | 0.05584 | 0.00000 | 316523.1 | 208143.8 | 100632.1 | S |
| 161.417 | 0.0000 | 0.0000 | 84.716 | 0.05584 | 0.00000 | 316523.1 | 208145.5 | 100632.1 | S |
| 161.425 | 0.0000 | 0.0000 | 84.716 | 0.05583 | 0.00000 | 316523.1 | 208147.1 | 100632.1 | S |
| 161.433 | 0.0000 | 0.0000 | 84.716 | 0.05583 | 0.00000 | 316523.1 | 208148.8 | 100632.1 | S |
| 161.442 | 0.0000 | 0.0000 | 84.716 | 0.05582 | 0.00000 | 316523.1 | 208150.5 | 100632.1 | S |
| 161.450 | 0.0000 | 0.0000 | 84.716 | 0.05582 | 0.00000 | 316523.1 | 208152.2 | 100632.1 | S |
| 161.458 | 0.0000 | 0.0000 | 84.716 | 0.05581 | 0.00000 | 316523.1 | 208153.8 | 100632.1 | S |
| 161.467 | 0.0000 | 0.0000 | 84.716 | 0.05581 | 0.00000 | 316523.1 | 208155.5 | 100632.1 | S |
| 161.475 | 0.0000 | 0.0000 | 84.715 | 0.05580 | 0.00000 | 316523.1 | 208157.2 | 100632.1 | S |
| 161.483 | 0.0000 | 0.0000 | 84.715 | 0.05580 | 0.00000 | 316523.1 | 208158.9 | 100632.1 | S |
| 161.492 | 0.0000 | 0.0000 | 84.715 | 0.05579 | 0.00000 | 316523.1 | 208160.5 | 100632.1 | S |
| 161.500 | 0.0000 | 0.0000 | 84.715 | 0.05579 | 0.00000 | 316523.1 | 208162.2 | 100632.1 | S |
| 161.508 | 0.0000 | 0.0000 | 84.715 | 0.05578 | 0.00000 | 316523.1 | 208163.9 | 100632.1 | S |
| 161.517 | 0.0000 | 0.0000 | 84.715 | 0.05578 | 0.00000 | 316523.1 | 208165.5 | 100632.1 | S |
| 161.525 | 0.0000 | 0.0000 | 84.715 | 0.05577 | 0.00000 | 316523.1 | 208167.2 | 100632.1 | S |
| 161.533 | 0.0000 | 0.0000 | 84.714 | 0.05577 | 0.00000 | 316523.1 | 208168.9 | 100632.1 | S |
| 161.542 | 0.0000 | 0.0000 | 84.714 | 0.05576 | 0.00000 | 316523.1 | 208170.6 | 100632.1 | S |
| 161.550 | 0.0000 | 0.0000 | 84.714 | 0.05576 | 0.00000 | 316523.1 | 208172.2 | 100632.1 | S |
| 161.558 | 0.0000 | 0.0000 | 84.714 | 0.05575 | 0.00000 | 316523.1 | 208173.9 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (f/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Overflow <br> Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{t}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 161.567 | 0.0000 | 0.0000 | 84.714 | 0.05575 | 0.00000 | 316523.1 | 208175.6 | 100632.1 | S |
| 161.575 | 0.0000 | 0.0000 | 84.714 | 0.05574 | 0.00000 | 316523.1 | 208177.3 | 100632.1 | S |
| 161.583 | 0.0000 | 0.0000 | 84.714 | 0.05574 | 0.00000 | 316523.1 | 208178.9 | 100632.1 | S |
| 161.592 | 0.0000 | 0.0000 | 84.714 | 0.05573 | 0.00000 | 316523.1 | 208180.6 | 100632.1 | S |
| 161.600 | 0.0000 | 0.0000 | 84.713 | 0.05573 | 0.00000 | 316523.1 | 208182.3 | 100632.1 | S |
| 161.608 | 0.0000 | 0.0000 | 84.713 | 0.05572 | 0.00000 | 316523.1 | 208184.0 | 100632.1 | 5 |
| 161.617 | 0.0000 | 0.0000 | 84.713 | 0.05572 | 0.00000 | 316523.1 | 208185.6 | 100632.1 | 5 |
| 161.625 | 0.0000 | 0.0000 | 84.713 | 0.05571 | 0.00000 | 316523.1 | 208187.3 | 100632.1 | S |
| 161.633 | 0.0000 | 0.0000 | 84.713 | 0.05571 | 0.00000 | 316523.1 | 208189.0 | 100632.1 | S |
| 161.642 | 0.0000 | 0.0000 | 84.713 | 0.05570 | 0.00000 | 316523.1 | 208190.6 | 100632.1 | S |
| 161.650 | 0.0000 | 0.0000 | 84.713 | 0.05570 | 0.00000 | 316523.1 | 208192.3 | 100632.1 | S |
| 161.658 | 0.0000 | 0.0000 | 84.712 | 0.05569 | 0.00000 | 316523.1 | 208194.0 | 100632.1 | 5 |
| 161.667 | 0.0000 | 0.0000 | 84.712 | 0.05569 | 0.00000 | 316523.1 | 208195.6 | 100632.1 | 5 |
| 161.675 | 0.0000 | 0.0000 | 84.7 12 | 0.05568 | 0.00000 | 316523.1 | 208197.3 | 100632.1 | 5 |
| 161.683 | 0.0000 | 0.0000 | 84.712 | 0.05568 | 0.00000 | 316523.1 | 208199.0 | 100632.1 | S |
| 161.692 | 0.0000 | 0.0000 | 84.712 | 0.05567 | 0.00000 | 316523.1 | 208200.7 | 100632.7 | S |
| 161.700 | 0.0000 | 0.0000 | 84.712 | 0.05567 | 0.00000 | 316523.1 | 208202.3 | 100632.1 | S |
| 161.708 | 0.0000 | 0.0000 | 84.712 | 0.05566 | 0.00000 | 316523.1 | 208204.0 | 100632.1 | S |
| 161.717 | 0.0000 | 0.0000 | 84.711 | 0.05566 | 0.00000 | 316523.1 | 208205.7 | 100632.1 | S |
| 161.725 | 0.0000 | 0.0000 | 84.711 | 0.05565 | 0.00000 | 316523.1 | 208207.3 | 100632.1 | S |
| 161.733 | 0.0000 | 0.0000 | 84.711 | 0.05565 | 0.00000 | 316523.1 | 208209.0 | 100632.1 | S |
| 161.742 | 0.0000 | 0.0000 | 84.711 | 0.05564 | 0.00000 | 316523.1 | 208210.7 | 100632.1 | S |
| 161.750 | 0.0000 | 0.0000 | 84.711 | 0.05564 | 0.00000 | 316523.1 | 208212.3 | 100632.1 | S |
| 161.758 | 0.0000 | 0.0000 | 84.711 | 0.05563 | 0.00000 | 316523.1 | 208214.0 | 100632.1 | S |
| 161.767 | 0.0000 | 0.0000 | 84.711 | 0.05563 | 0.00000 | 316523.1 | 208215.7 | 100632.1 | S |
| 161.775 | 0.0000 | 0.0000 | 84.711 | 0.05562 | 0.00000 | 316523.1 | 208217.3 | 100632.1 | S |
| 161.783 | 0.0000 | 0.0000 | 84.710 | 0.05562 | 0.00000 | 316523.1 | 208219.0 | 100632.1 | S |
| 161.792 | 0.0000 | 0.0000 | 84.710 | 0.05561 | 0.00000 | 316523.1 | 208220.7 | 100632.1 | S |
| 161.800 | 0.0000 | 0.0000 | 84.710 | 0.05561 | 0.00000 | 316523.1 | 208222.4 | 100632.1 | S |
| 161.808 | 0.0000 | 0.0000 | 84.710 | 0.05560 | 0.00000 | 316523.1 | 208224.0 | 100632.1 | S |
| 161.817 | 0.0000 | 0.0000 | 84.710 | 0.05560 | 0.00000 | 316523.1 | 208225.7 | 100632.1 | S |
| 161.825 | 0.0000 | 0.0000 | 84.710 | 0.05559 | 0.00000 | 316523.1 | 208227.4 | 100632.1 | S |
| 161.833 | 0.0000 | 0.0000 | 84.710 | 0.05559 | 0.00000 | 316523.1 | 208229.0 | 100632.1 | S |
| 161.842 | 0.0000 | 0.0000 | 84.709 | 0.05558 | 0.00000 | 316523.1 | 208230.7 | 100632.1 | S |
| 161.850 | 0.0000 | 0.0000 | 84.709 | 0.05558 | 0.00000 | 316523.1 | 208232.4 | 100632.1 | S |
| 161.858 | 0.0000 | 0.0000 | 84.709 | 0.05557 | 0.00000 | 316523.1 | 208234.0 | 100632.1 | S |
| 161.867 | 0.0000 | 0.0000 | 84.709 | 0.05557 | 0.00000 | 316523.1 | 208235.7 | 100632.1 | S |
| 161.875 | 0.0000 | 0.0000 | 84.709 | 0.05556 | 0.00000 | 316523.1 | 208237.4 | 100632.1 | 5 |
| 161.883 | 0.0000 | 0.0000 | 84.709 | 0.05556 | 0,00000 | 316523.1 | 208239.0 | 100632.1 | 5 |
| 161.892 | 0.0000 | 0.0000 | 84.709 | 0.05555 | 0.00000 | 316523.1 | 208240.7 | 100632.1 | S |
| 161.900 | 0.0000 | 0.0000 | 84.708 | 0.05555 | 0.00000 | 316523.1 | 208242.4 | 100632.1 | 5 |
| 161.908 | 0.0000 | 0.0000 | 84.708 | 0.05554 | 0.00000 | 316523.1 | 208244.0 | 100632.1 | S |
| 161.917 | 0.0000 | 0.0000 | 84.708 | 0.05554 | 0.00000 | 316523.1 | 208245.7 | 100632.1 | S |
| 161.925 | 0.0000 | 0.0000 | 84.708 | 0.05553 | 0.00000 | 316523.1 | 208247.4 | 100632.1 | S |
| 161.933 | 0.0000 | 0.0000 | 84.708 | 0.05553 | 0.00000 | 316523.1 | 208249.0 | 100632.1 | S |
| 161.942 | 0.0000 | 0.0000 | 84.708 | 0.05552 | 0.00000 | 316523.1 | 208250.7 | 100632.1 | S |
| 161.950 | 0.0000 | 0.0000 | 84.708 | 0.05552 | 0.00000 | 316523.1 | 208252.4 | 100632.1 | S |
| 161.958 | 0.0000 | 0.0000 | 84.708 | 0.05551 | 0.00000 | 316523.1 | 208254.0 | 100632.1 | S |
| 161.967 | 0.0000 | 0.0000 | 84.707 | 0.05551 | 0.00000 | 316523.1 | 208255.7 | 100632.1 | S |
| 161.975 | 0.0000 | 0.0000 | 84.707 | 0.05550 | 0.00000 | 316523.1 | 208257.4 | 100632.1 | S |
| 161.983 | 0.0000 | 0.0000 | 84.707 | 0.05550 | 0.00000 | 316523.1 | 208259.0 | 100632.1 | S |
| 161.992 | 0.0000 | 0.0000 | 84.707 | 0.05549 | 0.00000 | 316523.1 | 208260.7 | 100632.1 | S |
| 162.000 | 0.0000 | 0.0000 | 84.707 | 0.05549 | 0.00000 | 316523.1 | 208262.3 | 100632.1 | S |
| 162.008 | 0.0000 | 0.0000 | 84.707 | 0.05548 | 0.00000 | 316523.1 | 208264.0 | 100632.1 | S |
| 162.017 | 0.0000 | 0.0000 | 84.707 | 0.05548 | 0.00000 | 316523.1 | 208265.7 | 100632.1 | S |
| 162.025 | 0.0000 | 0.0000 | 84.706 | 0.05547 | 0.00000 | 316523.1 | 208267.3 | 100632.1 | S |
| 162.033 | 0.0000 | 0.0000 | 84.706 | 0.05547 | 0.00000 | 316523.1 | 208269.0 | 100632.1 | S |
| 162.042 | 0.0000 | 0.0000 | 84.706 | 0.05546 | 0.00000 | 316523.1 | 208270.7 | 100632.1 | S |
| 162.050 | 0.0000 | 0.0000 | 84.706 | 0.05546 | 0.00000 | 316523.1 | 208272.3 | 100632.1 | S |
| 162.058 | 0.0000 | 0.0000 | 84.706 | 0.05545 | 0.00000 | 316523.1 | 208274.0 | 100632.1 | S |
| 162.067 | 0.0000 | 0.0000 | 84.706 | 0.05545 | 0.00000 | 316523.1 | 208275.7 | 100632.1 | S |
| 162.075 | 0.0000 | 0.0000 | 84.706 | 0.05544 | 0.00000 | 316523.1 | 208277.3 | 100632.1 | S |
| 162.083 | 0.0000 | 0.0000 | 84.705 | 0.05544 | 0.00000 | 316523.1 | 208279.0 | 100632.1 | S |
| 162.092 | 0.0000 | 0.0000 | 84.705 | 0.05543 | 0.00000 | 316523.1 | 208280.6 | 100632.1 | S |
| 162.100 | 0.0000 | 0.0000 | 84.705 | 0.05543 | 0.00000 | 316523.1 | 208282.3 | 100632.1 | S |
| 162.108 | 0.0000 | 0.0000 | 84.705 | 0.05542 | 0.00000 | 316523.1 | 208284.0 | 100632.1 | S |
| 162.117 | 0.0000 | 0.0000 | 84.705 | 0.05542 | 0.00000 | 316523.1 | 208285.6 | 100632.1 | S |
| 162.125 | 0.0000 | 0.0000 | 84.705 | 0.05541 | 0.00000 | 316523.1 | 208287.3 | 100632.1 | S |
| 162.133 | 0.0000 | 0.0000 | 84.705 | 0.05541 | 0.00000 | 316523.1 | 208289.0 | 100632.1 | S |
| 162.142 | 0.0000 | 0.0000 | 84.705 | 0.05540 | 0.00000 | 316523.1 | 208290.6 | 100632.1 | S |
| 162.150 | 0.0000 | 0.0000 | 84.704 | 0.05540 | 0.00000 | 316523.1 | 208292.3 | 100632.1 | S |
| 162.158 | 0.0000 | 0.0000 | 84.704 | 0.05539 | 0.00000 | 316523.1 | 208294.0 | 100632.1 | S |
| 162.167 | 0.0000 | 0.0000 | 84.704 | 0.05539 | 0.00000 | 316523.1 | 208295.6 | 100632.1 | S |
| 162.175 | 0.0000 | 0.0000 | 84.704 | 0.05538 | 0.00000 | 316523.1 | 208297.3 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/overflow

| Elapsed Time (hours) | Inflow Rate (f $\mathrm{f}^{3 / \mathrm{s}}$ ) | Outside Recharge (fUday) | Stage Elevation (ft datum) | Infilitration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overfiow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{t}^{3}$ ) | Cumulative Infittration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative <br> Discharge <br> Volume ( $\mathrm{fl}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 162.183 | 0.0000 | 0.0000 | 84.704 | 0.05538 | 0.00000 | 316523.1 | 208298.9 | 100632.1 | S |
| $162 . \ddagger 92$ | 0.0000 | 0.0000 | 84.704 | 0.05537 | 0.00000 | 316523.1 | 208300.6 | 100632.1 | S |
| 162.200 | 0.0000 | 0.0000 | 84.704 | 0.05537 | 0.00000 | 316523.1 | 208302.3 | 100632.1 | S |
| 162.208 | 0.0000 | 0.0000 | 84.703 | 0.05536 | 0.00000 | 316523.1 | 208303.9 | 100632.1 | S |
| 162.217 | 0.0000 | 0.0000 | 84.703 | 0.05536 | 0.00000 | 316523.1 | 208305.6 | 100632.1 | S |
| 162.225 | 0.0000 | 0.0000 | 84.703 | 0.05535 | 0.00000 | 316523.1 | 208307.2 | 100632.1 | S |
| 162.233 | 0.0000 | 0.0000 | 84.703 | 0.05535 | 0.00000 | 316523.1 | 208308.9 | 100632.1 | S |
| 162.242 | 0.0000 | 0.0000 | 84.703 | 0.05534 | 0.00000 | 316523.1 | 208310.6 | 100632.1 | S |
| 162.250 | 0.0000 | 0.0000 | 84.703 | 0.05534 | 0.00000 | 316523.1 | 208312.2 | 100632.1 | S |
| 162.258 | 0.0000 | 0.0000 | 84.703 | 0.05533 | 0.00000 | 316523.1 | 208313.9 | 100632.1 | S |
| 162.267 | 0.0000 | 0.0000 | 84.702 | 0.05533 | 0.00000 | 316523.1 | 208315.5 | 100632.1 | S |
| 162.275 | 0.0000 | 0.0000 | 84.702 | 0.05532 | 0.00000 | 316523.1 | 208317.2 | 100632.1 | S |
| 162.283 | 0.0000 | 0.0000 | 84.702 | 0.05532 | 0.00000 | 316523.1 | 208318.9 | 100632.1 | S |
| 162.292 | 0.0000 | 0.0000 | 84.702 | 0.05531 | 0.00000 | 316523.1 | 208320.5 | 100632.1 | S |
| 162.300 | 0.0000 | 0.0000 | 84.702 | 0.05531 | 0.00000 | 316523. | 208322.2 | 100632.1 | S |
| 162.308 | 0.0000 | 0.0000 | 84.702 | 0.05530 | 0.00000 | 316523.1 | 208323.8 | 100632.1 | S |
| 162.317 | 0.0000 | 0.0000 | 84.702 | 0.05530 | 0.00000 | 316523.1 | 208325.5 | 100632.1 | S |
| 162.325 | 0.0000 | 0.0000 | 84.702 | 0.05529 | 0.00000 | 316523.1 | 208327.2 | 100632.1 | S |
| 162.333 | 0.0000 | 0.0000 | 84.701 | 0.05529 | 0.00000 | 316523.1 | 208328.8 | 100632.1 | S |
| 162.342 | 0.0000 | 0.0000 | 84.701 | 0.05528 | 0.00000 | 316523.1 | 208330.5 | 100632.1 | S |
| 162.350 | 0.0000 | 0.0000 | 84.701 | 0.05528 | 0.00000 | 316523.1 | 208332.1 | 100632.1 | S |
| 162.358 | 0.0000 | 0.0000 | 84.701 | 0.05527 | 0.00000 | 316523.1 | 208333.8 | 100632.1 | S |
| 162.367 | 0.0000 | 0.0000 | 84.701 | 0.05527 | 0.00000 | 316523.1 | 208335.4 | 100632.1 | S |
| 162.375 | 0.0000 | 0.0000 | 84.701 | 0.05526 | 0.00000 | 316523.1 | 208337.1 | 100632.1 | S |
| 162.383 | 0.0000 | 0.0000 | 84.701 | 0.05526 | 0.00000 | 316523.1 | 208338.8 | 100632.1 | S |
| 162.392 | 0.0000 | 0.0000 | 84.700 | 0.05525 | 0.00000 | 316523.1 | 208340.4 | 100632.1 | S |
| 162.400 | 0.0000 | 0.0000 | 84.700 | 0.05525 | 0.00000 | 316523.1 | 208342.1 | 100632.1 | S |
| 162.408 | 0.0000 | 0.0000 | 84.700 | 0.05524 | 0.00000 | 316523.1 | 208343.7 | 100632.1 | S |
| 162.417 | 0.0000 | 0.0000 | 84.700 | 0.05524 | 0.00000 | 316523.1 | 208345.4 | 100632.1 | S |
| 162.425 | 0.0000 | 0.0000 | 84.700 | 0.05523 | 0.00000 | 316523.1 | 208347.0 | 100632.1 | S |
| 162.433 | 0.0000 | 0.0000 | 84.700 | 0.05523 | 0.00000 | 316523.1 | 208348.7 | 100632.1 | S |
| 162.442 | 0.0000 | 0.0000 | 84.700 | 0.05522 | 0.00000 | 316523.1 | 208350.4 | 100632.1 | S |
| 162.450 | 0.0000 | 0.0000 | 84.699 | 0.05522 | 0.00000 | 316523.1 | 208352.0 | 100632.1 | S |
| 162.458 | 0.0000 | 0.0000 | 84.699 | 0.05521 | 0.00000 | 316523.1 | 208353.7 | 100632.1 | S |
| 162.467 | 0.0000 | 0.0000 | 84.699 | 0.05521 | 0.00000 | 316523.1 | 208355.3 | 100632.1 | S |
| 162.475 | 0.0000 | 0.0000 | 84.699 | 0.05520 | 0.00000 | 316523.1 | 208357.0 | 100632.1 | S |
| 162.483 | 0.0000 | 0.0000 | 84.699 | 0.05520 | 0.00000 | 316523.1 | 208358.6 | 100632.1 | S |
| 162.492 | 0.0000 | 0.0000 | 84.699 | 0.05519 | 0.00000 | 316523.1 | 208360.3 | 100632.1 | S |
| 162.500 | 0.0000 | 0.0000 | 84.699 | 0.05519 | 0.00000 | 316523.1 | 208362.0 | 100632.1 | S |
| 162.508 | 0.0000 | 0.0000 | 84.699 | 0.05518 | 0.00000 | 316523.1 | 208363.6 | 100632.1 | S |
| 162.517 | 0.0000 | 0.0000 | 84.698 | 0.05518 | 0.00000 | 316523.1 | 208365.3 | 100632.1 | S |
| 162.525 | 0.0000 | 0.0000 | 84.698 | 0.05517 | 0.00000 | 316523.1 | 208366.9 | 100632.1 | S |
| 162.533 | 0.0000 | 0.0000 | 84.698 | 0.05517 | 0.00000 | 316523.1 | 208368.6 | 100632.1 | S |
| 162.542 | 0.0000 | 0.0000 | 84.698 | 0.05516 | 0.00000 | 316523.1 | 208370.2 | 100632.1 | S |
| 162.550 | 0.0000 | 0.0000 | 84.698 | 0.05516 | 0.00000 | 316523.1 | 208371.9 | 100632.1 | S |
| 162.558 | 0.0000 | 0.0000 | 84.698 | 0.05515 | 0.00000 | 316523.1 | 208373.5 | 100632.1 | S |
| 162.567 | 0.0000 | 0.0000 | 84.698 | 0.05515 | 0.00000 | 316523.1 | 208375.2 | 100632.1 | S |
| 162.575 | 0.0000 | 0.0000 | 84.697 | 0.05514 | 0.00000 | 316523.1 | 208376.8 | 100632.1 | S |
| 162.583 | 0.0000 | 0.0000 | 84.697 | 0.05514 | 0.00000 | 316523.1 | 208378.5 | 100632.1 | S |
| 162.592 | 0.0000 | 0.0000 | 84.697 | 0.05513 | 0.00000 | 316523.1 | 208380.2 | 100632.1 | S |
| 162.600 | 0.0000 | 0.0000 | 84.697 | 0.05573 | 0.00000 | 316523.1 | 208381.8 | 100632.1 | S |
| 162.608 | 0.0000 | 0.0000 | 84.697 | 0.05512 | 0.00000 | 316523.1 | 208383.5 | 100632.1 | S |
| 162.617 | 0.0000 | 0.0000 | 84.697 | 0.05512 | 0.00000 | 316523.1 | 208385.1 | 100632.1 | S |
| 162.625 | 0.0000 | 0.0000 | 84.697 | 0.05511 | 0.00000 | 316523.1 | 208386.8 | 100632.1 | S |
| 162.633 | 0.0000 | 0.0000 | 84.697 | 0.05511 | 0.00000 | 316523.1 | 208388.4 | 100632.1 | 5 |
| 162.642 | 0.0000 | 0.0000 | 84.696 | 0.05510 | 0.00000 | 316523.1 | 208390.1 | 100632.1 | S |
| 162.650 | 0.0000 | 0.0000 | 84.696 | 0.05510 | 0.00000 | 316523.1 | 208391.7 | 100632.1 | S |
| 162.658 | 0.0000 | 0.0000 | 84.696 | 0.05509 | 0.00000 | 316523.1 | 208393.4 | 100632.1 | S |
| 162.667 | 0.0000 | 0.0000 | 84.696 | 0.05509 | 0.00000 | 316523.1 | 208395.0 | 100632.1 | S |
| 162.675 | 0.0000 | 0.0000 | 84.696 | 0.05508 | 0.00000 | 316523.1 | 208396.7 | 100632.1 | S |
| 162.683 | 0.0000 | 0.0000 | 84.696 | 0.05508 | 0.00000 | 316523.1 | 208398.3 | 100632.1 | S |
| 162.692 | 0.0000 | 0.0000 | 84.696 | 0.05507 | 0.00000 | 316523.1 | 208400.0 | 100632.1 | S |
| 162.700 | 0.0000 | 0.0000 | 84.695 | 0.05507 | 0.00000 | 316523.1 | 208401.6 | 100632.1 | S |
| 162.708 | 0.0000 | 0.0000 | 84.695 | 0.05506 | 0.00000 | 316523.1 | 208403.3 | 100632.1 | S |
| 162.717 | 0.0000 | 0.0000 | 84.695 | 0.05506 | 0.00000 | 316523.1 | 208405.0 | 100632.1 | S |
| 162.725 | 0.0000 | 0.0000 | 84.695 | 0.05506 | 0.00000 | 316523.1 | 208406.6 | 100632.1 | S |
| 162.733 | 0.0000 | 0.0000 | 84.695 | 0.05505 | 0.00000 | 316523.1 | 208408.3 | 100632.1 | S |
| 162.742 | 0.0000 | 0.0000 | 84.695 | 0.05505 | 0.00000 | 316523.1 | 208409.9 | 100632.1 | S |
| 162.750 | 0.0000 | 0.0000 | 84.695 | 0.05504 | 0.00000 | 316523.1 | 208411.6 | 100632.1 | S |
| 162.758 | 0.0000 | 0.0000 | 84.694 | 0.05504 | 0.00000 | 316523.1 | 208413.2 | 100632.1 | S |
| 162.767 | 0.0000 | 0.0000 | 84.694 | 0.05503 | 0.00000 | 316523.1 | 208414.9 | 100632.1 | S |
| 162.775 | 0.0000 | 0.0000 | 84.694 | 0.05503 | 0.00000 | 316523.1 | 208416.5 | 100632.1 | S |
| 162.783 | 0.0000 | 0.0000 | 84.694 | 0.05502 | 0.00000 | 316523.1 | 208418.2 | 100632.1 | S |
| 162.792 | 0.0000 | 0.0000 | 84.694 | 0.05502 | 0.00000 | 316523.1 | 208419.8 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate (ft3/s) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infilitration <br> Rate <br> ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overfow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 162.800 | 0.0000 | 0.0000 | 84.694 | 0.05501 | 0.00000 | 316523.1 | 208421.5 | 100632.1 | S |
| 162.808 | 0.0000 | 0.0000 | 84.694 | 0.05501 | 0.00000 | 316523.1 | 208423.1 | 100632.1 | S |
| 162.817 | 0.0000 | 0.0000 | 84.694 | 0.05500 | 0.00000 | 316523.1 | 208424.8 | 100632.1 | S |
| 162.825 | 0.0000 | 0.0000 | 84.693 | 0.05500 | 0.00000 | 316523.1 | 208426.4 | 100632.1 | S |
| 162.833 | 0.0000 | 0.0000 | 84.693 | 0.05499 | 0.00000 | 316523.1 | 208428.1 | 100632.1 | S |
| 162.842 | 0.0000 | 0.0000 | 84.693 | 0.05499 | 0.00000 | 316523.1 | 208429.7 | 100632.1 | S |
| 162.850 | 0.0000 | 0.0000 | 84.693 | 0.05498 | 0.00000 | 316523.1 | 208431.4 | 100632.1 | S |
| 162.858 | 0.0000 | 0.0000 | 84.693 | 0.05498 | 0.00000 | 316523.1 | 208433.0 | 100632.1 | S |
| 162.867 | 0.0000 | 0.0000 | 84.693 | 0.05497 | 0.00000 | 316523.1 | 208434.7 | 100632.1 | S |
| 162.875 | 0.0000 | 0.0000 | 84.693 | 0.05497 | 0.00000 | 316523.1 | 208436.3 | 100632.1 | S |
| 162.883 | 0.0000 | 0.0000 | 84.692 | 0.05496 | 0.00000 | 316523.1 | 208438.0 | 100632.1 | S |
| 162.892 | 0.0000 | 0.0000 | 84.692 | 0.05496 | 0.00000 | 316523.1 | 208439.6 | 100632.1 | S |
| 162.900 | 0.0000 | 0.0000 | 84.692 | 0.05495 | 0.00000 | 316523.1 | 208441.3 | 100632.1 | S |
| 162.908 | 0.0000 | 0.0000 | 84.692 | 0.05495 | 0.00000 | 316523.1 | 208442.9 | 100632.1 | S |
| 162.917 | 0.0000 | 0.0000 | 84.692 | 0.05494 | 0.00000 | 316523.1 | 208444.5 | 100632.1 | S |
| 162.925 | 0.0000 | 0.0000 | 84.692 | 0.05494 | 0.00000 | 316523.1 | 208446.2 | 100632.1 | S |
| 162.933 | 0.0000 | 0.0000 | 84.692 | 0.05493 | 0.00000 | 316523.1 | 208447.8 | 100632.1 | S |
| 162.942 | 0.0000 | 0.0000 | 84.691 | 0.05493 | 0.00000 | 316523.1 | 208449.5 | 100632.1 | S |
| 162.950 | 0.0000 | 0.0000 | 84.691 | 0.05492 | 0.00000 | 316523.1 | 208451.1 | 100632.1 | S |
| 162.958 | 0.0000 | 0.0000 | 84.691 | 0.05492 | 0.00000 | 316523.1 | 208452.8 | 100632.1 | S |
| 162.967 | 0.0000 | 0.0000 | 84.691 | 0.05491 | 0.00000 | 316523.1 | 208454.4 | 100632.1 | S |
| 162.975 | 0.0000 | 0.0000 | 84.691 | 0.05491 | 0.00000 | 316523.1 | 208456.1 | 100632.1 | S |
| 162.983 | 0.0000 | 0.0000 | 84.691 | 0.05490 | 0.00000 | 316523.1 | 208457.7 | 100632.1 | S |
| 162.992 | 0.0000 | 0.0000 | 84.691 | 0.05490 | 0.00000 | 316523.1 | 208459.4 | 100632.1 | S |
| 163.000 | 0.0000 | 0.0000 | 84.691 | 0.05489 | 0.00000 | 316523.1 | 208461.0 | 100632.1 | S |
| 163.008 | 0.0000 | 0.0000 | 84.690 | 0.05489 | 0.00000 | 316523.1 | 208462.7 | 100632.1 | S |
| 163.017 | 0.0000 | 0.0000 | 84.690 | 0.05488 | 0.00000 | 316523.1 | 208464.3 | 100632.1 | S |
| 163.025 | 0.0000 | 0.0000 | 84.690 | 0.05488 | 0.00000 | 316523.1 | 208466.0 | 100632.1 | S |
| 163.033 | 0.0000 | 0.0000 | 84.690 | 0.05487 | 0.00000 | 316523.1 | 208467.6 | 100632.1 | S |
| 163.042 | 0.0000 | 0.0000 | 84.690 | 0.05487 | 0.00000 | 316523.1 | 208469.3 | 100632.1 | S |
| 163.050 | 0.0000 | 0.0000 | 84.690 | 0.05486 | 0.00000 | 316523.1 | 208470.9 | 100632.1 | S |
| 163.058 | 0.0000 | 0.0000 | 84.690 | 0.05486 | 0.00000 | 316523.1 | 208472.5 | 100632.1 | S |
| 163.067 | 0.0000 | 0.0000 | 84.689 | 0.05485 | 0.00000 | 316523.1 | 208474.2 | 100632.1 | S |
| 163.075 | 0.0000 | 0.0000 | 84.689 | 0.05485 | 0.00000 | 316523.1 | 208475.8 | 100632.1 | S |
| 163.083 | 0.0000 | 0.0000 | 84.689 | 0.05484 | 0.00000 | 316523.1 | 208477.5 | 100632.1 | S |
| 163.092 | 0.0000 | 0.0000 | 84.689 | 0.05484 | 0.00000 | 316523.1 | 208479.1 | 100632.1 | S |
| 163.100 | 0.0000 | 0.0000 | 84.689 | 0.05483 | 0.00000 | 316523.1 | 208480.8 | 100632.1 | S |
| 163.108 | 0.0000 | 0.0000 | 84.689 | 0.05483 | 0.00000 | 316523.1 | 208482.4 | 100632.1 | S |
| 163.117 | 0.0000 | 0.0000 | 84.689 | 0.05482 | 0.00000 | 316523.1 | 208484.1 | 100632.1 | S |
| 163.125 | 0.0000 | 0.0000 | 84.689 | 0.05482 | 0.00000 | 316523.1 | 208485.7 | 100632.1 | S |
| 163.133 | 0.0000 | 0.0000 | 84.688 | 0.05481 | 0.00000 | 316523.1 | 208487.4 | 100632.1 | S |
| 163.142 | 0.0000 | 0.0000 | 84.688 | 0.05481 | 0.00000 | 316523.1 | 208489.0 | 100632.1 | S |
| 163.150 | 0.0000 | 0.0000 | 84.688 | 0.05480 | 0.00000 | 316523.1 | 208490.6 | 100632.1 | S |
| 163.158 | 0.0000 | 0.0000 | 84.688 | 0.05480 | 0.00000 | 316523.1 | 208492.3 | 100632.1 | S |
| 163.167 | 0.0000 | 0.0000 | 84.688 | 0.05479 | 0.00000 | 316523.1 | 208493.9 | 100632.1 | S |
| 163.175 | 0.0000 | 0.0000 | 84.688 | 0.05479 | 0.00000 | 316523.1 | 208495.6 | 100632.1 | S |
| 163.183 | 0.0000 | 0.0000 | 84.688 | 0.05478 | 0.00000 | 316523.1 | 208497.2 | 100632.1 | S |
| 163.192 | 0.0000 | 0.0000 | 84.687 | 0.05478 | 0.00000 | 316523.1 | 208498.9 | 100632.1 | S |
| 163.200 | 0.0000 | 0.0000 | 84.687 | 0.05477 | 0.00000 | 316523.1 | 208500.5 | 100632.1 | S |
| 163.208 | 0.0000 | 0.0000 | 84.687 | 0.05477 | 0.00000 | 316523.1 | 208502.2 | 100632.1 | S |
| 163.217 | 0.0000 | 0.0000 | 84.687 | 0.05476 | 0.00000 | 316523.1 | 208503.8 | 100632.1 | S |
| 163.225 | 0.0000 | 0.0000 | 84.687 | 0.05476 | 0.00000 | 316523.1 | 208505.4 | 100632.1 | S |
| 163.233 | 0.0000 | 0.0000 | 84.687 | 0.05476 | 0.00000 | 316523.1 | 208507.1 | 100632.1 | S |
| 163.242 | 0.0000 | 0.0000 | 84.687 | 0.05475 | 0.00000 | 316523.1 | 208508.7 | 100632.1 | S |
| 163.250 | 0.0000 | 0.0000 | 84.686 | 0.05475 | 0.00000 | 316523.1 | 208510.4 | 100632.1 | S |
| 163.258 | 0.0000 | 0.0000 | 84.686 | 0.05474 | 0.00000 | 316523.1 | 208512.0 | 100632.1 | S |
| 163.267 | 0.0000 | 0.0000 | 84.686 | 0.05474 | 0.00000 | 316523.1 | 208513.6 | 100632.1 | S |
| 163.275 | 0.0000 | 0.0000 | 84.686 | 0.05473 | 0.00000 | 316523.1 | 208515.3 | 100632.1 | S |
| 163.283 | 0.0000 | 0.0000 | 84.686 | 0.05473 | 0.00000 | 316523.1 | 208516.9 | 100632.1 | S |
| 163.292 | 0.0000 | 0.0000 | 84.686 | 0.05472 | 0.00000 | 316523.1 | 208518.6 | 100632.1 | S |
| 163.300 | 0.0000 | 0.0000 | 84.686 | 0.05472 | 0.00000 | 316523.1 | 208520.2 | 100632.1 | S |
| 163.308 | 0.0000 | 0.0000 | 84.686 | 0.05471 | 0.00000 | 316523.1 | 208521.9 | 100632.1 | S |
| 163.317 | 0.0000 | 0.0000 | 84.685 | 0.05471 | 0.00000 | 316523.1 | 208523.5 | 100632.1 | S |
| 163.325 | 0.0000 | 0.0000 | 84.685 | 0.05470 | 0.00000 | 316523.1 | 208525.1 | 100632.1 | S |
| 163.333 | 0.0000 | 0.0000 | 84.685 | 0.05470 | 0.00000 | 316523.1 | 208526.8 | 100632.1 | S |
| 163.342 | 0.0000 | 0.0000 | 84.685 | 0.05469 | 0.00000 | 316523.1 | 208528.4 | 100632.1 | S |
| 163.350 | 0.0000 | 0.0000 | 84.685 | 0.05469 | 0.00000 | 316523.1 | 208530.1 | 100632.1 | S |
| 163.358 | 0.0000 | 0.0000 | 84.685 | 0.05468 | 0.00000 | 316523.1 | 208531.7 | 100632.1 | S |
| 163.367 | 0.0000 | 0.0000 | 84.685 | 0.05468 | 0.00000 | 316523.1 | 208533.3 | 100632.1 | S |
| 163.375 | 0.0000 | 0.0000 | 84.684 | 0.05467 | 0.00000 | 316523.1 | 208535.0 | 100632.1 | S |
| 163.383 | 0.0000 | 0.0000 | 84.684 | 0.05467 | 0.00000 | 316523.1 | 208536.6 | 100632.1 | S |
| 163.392 | 0.0000 | 0.0000 | 84.684 | 0.05466 | 0.00000 | 316523.1 | 208538.3 | 100632.1 | S |
| 163.400 | 0.0000 | 0.0000 | 84.684 | 0.05466 | 0.00000 | 316523.1 | 208539.9 | 100632.1 | S |
| 163.408 | 0.0000 | 0.0000 | 84.684 | 0.05465 | 0.00000 | 316523.1 | 208541.5 | 100632.7 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/overflow

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overfiow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume (ft ${ }^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 163.417 | 0.0000 | 0.0000 | 84.684 | 0.05465 | 0.00000 | 316523.1 | 208543.2 | 100632.1 | S |
| 163.425 | 0.0000 | 0.0000 | 84.684 | 0.05464 | 0.00000 | 316523.1 | 208544.8 | 100632.1 | S |
| 163.433 | 0.0000 | 0.0000 | 84.684 | 0.05464 | 0.00000 | 316523.1 | 208546.5 | 100632.1 | S |
| \$63.442 | 0.0000 | 0.0000 | 84.683 | 0.05463 | 0.00000 | 316523.1 | 208548.1 | 100632.1 | S |
| 163.450 | 0.0000 | 0.0000 | 84.683 | 0.05463 | 0.00000 | 316523.1 | 208549.7 | 100632.1 | S |
| 163.458 | 0.0000 | 0.0000 | 84.683 | 0.05462 | 0.00000 | 316523.1 | 208551.4 | 100632.1 | S |
| 163.467 | 0.0000 | 0.0000 | 84.683 | 0.05462 | 0.00000 | 316523.1 | 208553.0 | 100632.1 | S |
| 163.475 | 0.0000 | 0.0000 | 84.683 | 0.05461 | 0.00000 | 316523.1 | 208554.7 | 100632.1 | S |
| 163.483 | 0.0000 | 0.0000 | 84.683 | 0.05461 | 0.00000 | 316523.1 | 208556.3 | 100632.1 | S |
| 163.492 | 0.0000 | 0.0000 | 84.683 | 0.05460 | 0.00000 | 316523.1 | 208557.9 | 100632.1 | S |
| 163.500 | 0.0000 | 0.0000 | 84,682 | 0.05460 | 0.00000 | 316523.7 | 208559.6 | 100632.1 | S |
| 163.508 | 0.0000 | 0.0000 | 84.682 | 0.05459 | 0.00000 | 316523.1 | 208561.2 | 100632.1 | S |
| 163.517 | 0.0000 | 0.0000 | 84.682 | 0.05459 | 0.00000 | 316523.1 | 208562.8 | 100632.1 | S |
| 163.525 | 0.0000 | 0.0000 | 84.682 | 0.05458 | 0.00000 | 316523.1 | 208564.5 | 100632.1 | S |
| 163.533 | 0.0000 | 0.0000 | 84.682 | 0.05458 | 0.00000 | 316523.1 | 208566.1 | 100632.1 | S |
| 163.542 | 0.0000 | 0.0000 | 84.682 | 0.05457 | 0.00000 | 316523.1 | 208567.8 | 100632.1 | S |
| 163.550 | 0.0000 | 0.0000 | 84.682 | 0.05457 | 0.00000 | 316523.1 | 208569.4 | 100632.1 | S |
| 163.558 | 0.0000 | 0.0000 | 84.681 | 0.05456 | 0.00000 | 316523.1 | 208571.0 | 100632.1 | S |
| 163.567 | 0.0000 | 0.0000 | 84.681 | 0.05456 | 0.00000 | 316523.1 | 208572.7 | 100632.1 | S |
| 163.575 | 0.0000 | 0.0000 | 84.681 | 0.05455 | 0.00000 | 316523.1 | 208574.3 | 100632.1 | S |
| 163.583 | 0.0000 | 0.0000 | 84.681 | 0.05455 | 0.00000 | 316523.1 | 208575.9 | 100632.1 | S |
| 163.592 | 0.0000 | 0.0000 | 84.681 | 0.05454 | 0,00000 | 316523.1 | 208577.6 | 100632.1 | S |
| 163.600 | 0.0000 | 0.0000 | 84.681 | 0.05454 | 0.00000 | 316523.1 | 208579.2 | 100632.1 | S |
| 163.608 | 0.0000 | 0.0000 | 84.681 | 0.05454 | 0.00000 | 316523.1 | 208580.8 | 100632.1 | S |
| 163.617 | 0.0000 | 0.0000 | 84.681 | 0.05453 | 0.00000 | 316523.1 | 208582.5 | 100632.1 | S |
| 163.625 | 0.0000 | 0.0000 | 84.680 | 0.05453 | 0.00000 | 316523.1 | 208584.1 | 100632.1 | S |
| 163.633 | 0.0000 | 0.0000 | 84.680 | 0.05452 | 0.00000 | 316523.1 | 208585.8 | 100632.1 | S |
| 163.642 | 0.0000 | 0.0000 | 84.680 | 0.05452 | 0.00000 | 316523.1 | 208587.4 | 100632.1 | S |
| 163.650 | 0.0000 | 0.0000 | 84.680 | 0.05451 | 0.00000 | 316523.1 | 208589.0 | 100632.1 | S |
| 163.658 | 0.0000 | 0.0000 | 84.680 | 0.05451 | 0.00000 | 316523.1 | 208590.7 | 100632.1 | S |
| $\{63.667$ | 0.0000 | 0.0000 | 84.680 | 0.05450 | 0.00000 | 316523.1 | 208592.3 | 100632.1 | S |
| $\{63.675$ | 0.0000 | 0.0000 | 84.680 | 0.05450 | 0.00000 | 316523.1 | 208593.9 | 100632.1 | S |
| 163.683 | 0.0000 | 0.0000 | 84.679 | 0.05449 | 0.00000 | 316523.1 | 208595.6 | 100632.1 | S |
| 163.692 | 0.0000 | 0.0000 | 84.679 | 0.05449 | 0.00000 | 316523.1 | 208597.2 | 100632.1 | S |
| 163.700 | 0.0000 | 0.0000 | 84.679 | 0.05448 | 0.00000 | 316523.1 | 208598.8 | 100632.1 | S |
| 163.708 | 0.0000 | 0.0000 | 84.679 | 0.05448 | 0.00000 | 316523.1 | 208600.5 | 100632.1 | S |
| 163.717 | 0.0000 | 0.0000 | 84.679 | 0.05447 | 0.00000 | 316523.1 | 208602.1 | 100632.1 | S |
| 163.725 | 0.0000 | 0.0000 | 84.679 | 0.05447 | 0.00000 | 316523.1 | 208603.7 | 100632.1 | S |
| 163.733 | 0.0000 | 0.0000 | 84.679 | 0.05446 | 0.00000 | 316523.1 | 208605.4 | 100632.1 | S |
| 163.742 | 0.0000 | 0.0000 | 84.679 | 0.05446 | 0.00000 | 316523.1 | 208607.0 | 100632.1 | S |
| 163.750 | 0.0000 | 0.0000 | 84.678 | 0.05445 | 0.00000 | 316523.1 | 208608.6 | 100632.1 | S |
| 163.758 | 0.0000 | 0.0000 | 84.678 | 0.05445 | 0.00000 | 316523.1 | 208610.3 | 100632.1 | S |
| 163.767 | 0.0000 | 0.0000 | 84.678 | 0.05444 | 0.00000 | 316523.1 | 208611.9 | 100632.1 | S |
| 163.775 | 0.0000 | 0.0000 | 84.678 | 0.05444 | 0.00000 | 316523.1 | 208613.5 | 100632.1 | S |
| 163.783 | 0.0000 | 0.0000 | 84.678 | 0.05443 | 0.00000 | 316523.1 | 208615.2 | 100632.1 | S |
| 163.792 | 0.0000 | 0.0000 | 84.678 | 0.05443 | 0.00000 | 316523.1 | 208616.8 | 100632.1 | S |
| 163.800 | 0.0000 | 0.0000 | 84.678 | 0.05442 | 0.00000 | 316523.1 | 208618.4 | 100632.1 | S |
| 163.808 | 0.0000 | 0.0000 | 84.677 | 0.05442 | 0.00000 | 316523.1 | 208620.1 | 100632.1 | S |
| 163.817 | 0.0000 | 0.0000 | 84.677 | 0.05441 | 0.00000 | 316523.1 | 208621.7 | 100632.1 | S |
| 163.825 | 0.0000 | 0.0000 | 84.677 | 0.05441 | 0.00000 | 316523.1 | 208623.3 | 100632.1 | S |
| 163.833 | 0.0000 | 0.0000 | 84.677 | 0.05440 | 0.00000 | 316523.1 | 208625.0 | 100632.1 | S |
| 163.842 | 0.0000 | 0.0000 | 84.677 | 0.05440 | 0.00000 | 316523.1 | 208626.6 | 100632.1 | S |
| 163.850 | 0.0000 | 0.0000 | 84.677 | 0.05439 | 0.00000 | 316523.1 | 208628.2 | 100632.1 | S |
| 163.858 | 0.0000 | 0.0000 | 84.677 | 0.05439 | 0.00000 | 316523.1 | 208629.9 | 100632.1 | S |
| 163.867 | 0.0000 | 0.0000 | 84.676 | 0.05438 | 0.00000 | 316523.1 | 208631.5 | 100632.1 | S |
| 163.875 | 0.0000 | 0.0000 | 84.676 | 0.05438 | 0.00000 | 316523.1 | 208633.1 | 100632.1 | S |
| 163.883 | 0.0000 | 0.0000 | 84.676 | 0.05437 | 0.00000 | 316523.1 | 208634.8 | 100632.1 | S |
| 163.892 | 0.0000 | 0.0000 | 84.676 | 0.05437 | 0.00000 | 316523.1 | 208636.4 | 100632.1 | S |
| 163.900 | 0.0000 | 0.0000 | 84.676 | 0.05436 | 0.00000 | 316523.1 | 208638.0 | 100632.1 | S |
| 163.908 | 0.0000 | 0.0000 | 84.676 | 0.05436 | 0.00000 | 316523.1 | 208639.7 | 100632.3 | S |
| 163.917 | 0.0000 | 0.0000 | 84.676 | 0.05435 | 0.00000 | 316523.1 | 208641.3 | 100632.1 | S |
| 163.925 | 0.0000 | 0.0000 | 84.676 | 0.05435 | 0.00000 | 316523.1 | 208642.9 | 100632.1 | S |
| 163.933 | 0.0000 | 0.0000 | 84.675 | 0.05435 | 0.00000 | 316523.1 | 208644.5 | 100632.1 | S |
| 163.942 | 0.0000 | 0.0000 | 84.675 | 0.05434 | 0.00000 | 316523.1 | 208646.2 | 100632.1 | S |
| 163.950 | 0.0000 | 0.0000 | 84.675 | 0.05434 | 0.00000 | 316523.1 | 208647.8 | 100632.1 | S |
| 163.958 | 0.0000 | 0.0000 | 84.675 | 0.05433 | 0.00000 | 316523.1 | 208649.4 | 100632.1 | S |
| 163.967 | 0.0000 | 0.0000 | 84.675 | 0.05433 | 0.00000 | 316523.1 | 208651.1 | 100632.1 | S |
| 163.975 | 0.0000 | 0.0000 | 84.675 | 0.05432 | 0.00000 | 316523.1 | 208652.7 | 100632.1 | S |
| 163.983 | 0.0000 | 0.0000 | 84.675 | 0.05432 | 0.00000 | 316523.1 | 208654.3 | 100632.1 | S |
| 163.992 | 0.0000 | 0.0000 | 84.674 | 0.05431 | 0.00000 | 316523.1 | 208656.0 | 100632.1 | S |
| 164.000 | 0.0000 | 0.0000 | 84.674 | 0.05431 | 0.00000 | 316523.1 | 208657.6 | 100632.1 | S |
| 164.008 | 0.0000 | 0.0000 | 84.674 | 0.05430 | 0.00000 | 316523.1 | 208659.2 | 100632.1 | S |
| 164.017 | 0.0000 | 0.0000 | 84.674 | 0.05430 | 0.00000 | 316523.1 | 208660.8 | 100632.1 | S |
| 164.025 | 0.0000 | 0.0000 | 84.674 | 0.05429 | 0.00000 | 316523.1 | 208662.5 | 100632. 1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Outside Recharge ( $\mathrm{I} / \mathrm{d}$ day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 164.033 | 0.0000 | 0.0000 | 84.674 | 0.05429 | 0.00000 | 316523.1 | 208664.1 | 100632.1 | S |
| 164.042 | 0.0000 | 0.0000 | 84.674 | 0.05428 | 0.00000 | 316523.1 | 208665.7 | 100632.1 | S |
| 164.050 | 0.0000 | 0.0000 | 84.674 | 0.05428 | 0.00000 | 316523.1 | 208667.4 | 100632.1 | S |
| 164.058 | 0.0000 | 0.0000 | 84.673 | 0.05427 | 0.00000 | 316523.1 | 208669.0 | 100632.1 | S |
| 164.067 | 0.0000 | 0.0000 | 84.673 | 0.05427 | 0.00000 | 316523.1 | 208670.6 | 100632.1 | S |
| 164.075 | 0.0000 | 0.0000 | 84.673 | 0.05426 | 0.00000 | 316523.1 | 208672.2 | 100632.1 | S |
| 164.083 | 0.0000 | 0.0000 | 84.673 | 0.05426 | 0.00000 | 316523.1 | 208673.9 | 100632.1 | S |
| 164.092 | 0.0000 | 0.0000 | 84.673 | 0.05425 | 0.00000 | 316523.1 | 208675.5 | 100632.1 | S |
| 164.100 | 0.0000 | 0.0000 | 84.673 | 0.05425 | 0.00000 | 316523.1 | 208677.1 | 100632.1 | S |
| 164.108 | 0.0000 | 0.0000 | 84.673 | 0.05424 | 0.00000 | 316523.1 | 208678.8 | 100632.1 | S |
| 164.117 | 0.0000 | 0.0000 | 84.672 | 0.05424 | 0.00000 | 316523.1 | 208680.4 | 100632.1 | S |
| 164.125 | 0.0000 | 0.0000 | 84.672 | 0.05423 | 0.00000 | 316523.1 | 208682.0 | 100632.1 | S |
| 164.133 | 0.0000 | 0.0000 | 84.672 | 0.05423 | 0.00000 | 316523.1 | 208683.6 | 100632.1 | S |
| 164.142 | 0.0000 | 0.0000 | 84.672 | 0.05422 | 0.00000 | 316523.1 | 208685.3 | 100632.1 | S |
| 164.150 | 0.0000 | 0.0000 | 84.672 | 0.05422 | 0.00000 | 316523.1 | 208686.9 | 100632.1 | S |
| 164.158 | 0.0000 | 0.0000 | 84.672 | 0.05421 | 0.00000 | 316523.1 | 208688.5 | 100632.1 | S |
| 164.167 | 0.0000 | 0.0000 | 84.672 | 0.05421 | 0.00000 | 376523.1 | 208690.1 | 100632.1 | S |
| 164.175 | 0.0000 | 0.0000 | 84.671 | 0.05420 | 0.00000 | 316523.1 | 208691.8 | 100632.1 | S |
| 164.183 | 0.0000 | 0.0000 | 84.671 | 0.05420 | 0.00000 | 316523.1 | 208693.4 | 100632.1 | S |
| 164.192 | 0.0000 | 0.0000 | 84.671 | 0.05419 | 0.00000 | 316523.1 | 208695.0 | 100632.1 | S |
| 164.200 | 0.0000 | 0.0000 | 84.671 | 0.05419 | 0.00000 | 316523.1 | 208696.6 | 100632.1 | S |
| 164.208 | 0.0000 | 0.0000 | 84.671 | 0.05419 | 0.00000 | 316523.1 | 208698.3 | 100632.1 | S |
| 164.217 | 0.0000 | 0.0000 | 84.671 | 0.05418 | 0.00000 | 316523.1 | 208699.9 | 100632.1 | S |
| 164.225 | 0.0000 | 0.0000 | 84.671 | 0.05418 | 0.00000 | 316523.1 | 208701.5 | 100632.1 | S |
| 164.233 | 0.0000 | 0.0000 | 84.671 | 0.05417 | 0.00000 | 316523.1 | 208703.1 | 100632.1 | S |
| 164.242 | 0.0000 | 0.0000 | 84.670 | 0.05417 | 0.00000 | 316523.1 | 208704.8 | 100632.1 | S |
| 164.250 | 0.0000 | 0.0000 | 84.670 | 0.05416 | 0.00000 | 316523.1 | 208706.4 | 100632.1 | S |
| 164.258 | 0.0000 | 0.0000 | 84.670 | 0.05416 | 0.00000 | 316523.1 | 208708.0 | 100632.3 | S |
| 164.267 | 0.0000 | 0.0000 | 84.670 | 0.05415 | 0.00000 | 316523.1 | 208709.6 | 100632.1 | S |
| 164.275 | 0.0000 | 0.0000 | 84.670 | 0.05415 | 0.00000 | 316523.1 | 208711.3 | 100632.1 | S |
| 164.283 | 0.0000 | 0.0000 | 84.670 | 0.05414 | 0.00000 | 316523.1 | 208712.9 | 100632.1 | S |
| 164.292 | 0.0000 | 0.0000 | 84.670 | 0.05414 | 0.00000 | 316523.1 | 208714.5 | 100632.1 | S |
| 164.300 | 0.0000 | 0.0000 | 84.669 | 0.05413 | 0.00000 | 316523.1 | 208716.1 | 100632.1 | S |
| 164.308 | 0.0000 | 0.0000 | 84.669 | 0.05413 | 0.00000 | 316523.1 | 208717.8 | 100632.1 | S |
| 164.317 | 0.0000 | 0.0000 | 84.669 | 0.05412 | 0.00000 | 316523.1 | 208719.4 | 100632.1 | S |
| 164.325 | 0.0000 | 0.0000 | 84.669 | 0.05412 | 0.00000 | 316523.1 | 208721.0 | 100632.1 | S |
| 164.333 | 0.0000 | 0.0000 | 84.669 | 0.05411 | 0.00000 | 316523.1 | 208722.6 | 100632.1 | S |
| 164.342 | 0.0000 | 0.0000 | 84.669 | 0.05411 | 0.00000 | 316523.1 | 208724.3 | 100632.1 | S |
| 164.350 | 0.0000 | 0.0000 | 84.669 | 0.05410 | 0.00000 | 316523.1 | 208725.9 | 100632.1 | S |
| 164.358 | 0.0000 | 0.0000 | 84.669 | 0.05410 | 0.00000 | 316523.1 | 208727.5 | 100632.1 | S |
| 164.367 | 0.0000 | 0.0000 | 84.668 | 0.05409 | 0.00000 | 316523.1 | 208729.1 | 100632.1 | S |
| 164.375 | 0.0000 | 0.0000 | 84.668 | 0.05409 | 0.00000 | 316523.1 | 208730.8 | 100632.1 | S |
| 164.383 | 0.0000 | 0.0000 | 84.668 | 0.05408 | 0.00000 | 316523.1 | 208732.4 | 100632.1 | S |
| 164.392 | 0.0000 | 0.0000 | 84.668 | 0.05408 | 0.00000 | 316523.1 | 208734.0 | 100632.1 | S |
| 164.400 | 0.0000 | 0.0000 | 84.668 | 0.05407 | 0.00000 | 316523.1 | 208735.6 | 100632.1 | S |
| 164.408 | 0.0000 | 0.0000 | 84.668 | 0.05407 | 0.00000 | 316523.1 | 208737.2 | 100632.1 | S |
| 164.417 | 0.0000 | 0.0000 | 84.668 | 0.05406 | 0.00000 | 316523.1 | 208738.9 | 100632.1 | S |
| 164.425 | 0.0000 | 0.0000 | 84.667 | 0.05406 | 0.00000 | 316523.1 | 208740.5 | 100632.1 | S |
| 164.433 | 0.0000 | 0.0000 | 84,667 | 0.05405 | 0.00000 | 316523.1 | 208742.1 | 100632.1 | S |
| 164.442 | 0.0000 | 0.0000 | 84.667 | 0.05405 | 0.00000 | 316523.1 | 208743.7 | 100632.1 | S |
| 164.450 | 0.0000 | 0.0000 | 84.667 | 0.05404 | 0.00000 | 316523.1 | 208745.3 | 100632.1 | S |
| 164.458 | 0.0000 | 0.0000 | 84.667 | 0.05404 | 0.00000 | 316523.1 | 208747.0 | 100632.1 | S |
| 164.467 | 0.0000 | 0.0000 | 84.667 | 0.05404 | 0.00000 | 316523.1 | 208748.6 | 100632.1 | S |
| 164.475 | 0.0000 | 0.0000 | 84.667 | 0.05403 | 0.00000 | 316523.1 | 208750.2 | 100632.1 | S |
| 164.483 | 0.0000 | 0.0000 | 84.667 | 0.05403 | 0.00000 | 316523.1 | 208751.8 | 100632.1 | S |
| 164.492 | 0.0000 | 0.0000 | 84.666 | 0.05402 | 0.00000 | 316523.1 | 208753.5 | 100632.1 | S |
| 164.500 | 0.0000 | 0.0000 | 84.666 | 0.05402 | 0.00000 | 316523.1 | 208755.1 | 100632.1 | S |
| 164.508 | 0.0000 | 0.0000 | 84.666 | 0.05401 | 0.00000 | 316523.1 | 208756.7 | 100632.1 | S |
| 164.517 | 0.0000 | 0.0000 | 84.666 | 0.05401 | 0.00000 | 316523.1 | 208758.3 | 100632.1 | S |
| 164.525 | 0.0000 | 0.0000 | 84.666 | 0.05400 | 0.00000 | 316523.1 | 208759.9 | 100632.1 | S |
| 164.533 | 0.0000 | 0.0000 | 84.666 | 0.05400 | 0.00000 | 316523.1 | 208761.5 | 100632.7 | S |
| 164.542 | 0.0000 | 0.0000 | 84.666 | 0.05399 | 0.00000 | 316523.1 | 208763.2 | 100632.1 | S |
| 164.550 | 0.0000 | 0.0000 | 84.665 | 0.05399 | 0.00000 | 316523.1 | 208764.8 | 100632.1 | S |
| 164.558 | 0.0000 | 0.0000 | 84.665 | 0.05398 | 0.00000 | 316523.1 | 208766.4 | 100632.1 | S |
| 164.567 | 0.0000 | 0.0000 | 84.665 | 0.05398 | 0.00000 | 316523.1 | 208768.0 | 100632.1 | S |
| 164.575 | 0.0000 | 0.0000 | 84.665 | 0.05397 | 0.00000 | 316523.1 | 208769.7 | 100632.1 | S |
| 164.583 | 0.0000 | 0.0000 | 84.665 | 0.05397 | 0.00000 | 316523.1 | 208771.3 | 100632.1 | S |
| 164.592 | 0.0000 | 0.0000 | 84.665 | 0.05396 | 0.00000 | 316523.1 | 208772.9 | 100632.1 | S |
| 164.600 | 0.0000 | 0.0000 | 84.665 | 0.05396 | 0.00000 | 316523.1 | 208774.5 | 100632.1 | S |
| 164.608 | 0.0000 | 0.0000 | 84.665 | 0.05395 | 0.00000 | 316523.1 | 208776.1 | 100632.1 | S |
| 164.617 | 0.0000 | 0.0000 | 84.664 | 0.05395 | 0.00000 | 316523.1 | 208777.8 | 100632.1 | S |
| 164.625 | 0.0000 | 0.0000 | 84.664 | 0.05394 | 0.00000 | 316523.1 | 208779.4 | 100632.1 | S |
| 164.633 | 0.0000 | 0.0000 | 84.664 | 0.05394 | 0.00000 | 316523.1 | 208781.0 | 100632.1 | S |
| 164.642 | 0.0000 | 0.0000 | 84.664 | 0.05393 | 0.00000 | 316523.1 | 208782.6 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Overlow <br> Discharge $\left(\mathrm{ft}^{3} / \mathrm{s}\right)$ | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{H}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ff}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 164.650 | 0.0000 | 0.0000 | 84.664 | 0.05393 | 0.00000 | 316523.1 | 208784.2 | 100632.1 | S |
| 164.658 | 0.0000 | 0.0000 | 84.664 | 0.05392 | 0.00000 | 316523.1 | 208785.8 | 100632.1 | S |
| 164.667 | 0.0000 | 0.0000 | 84.664 | 0.05392 | 0.00000 | 316523.1 | 208787.5 | 100632.1 | S |
| 164.675 | 0.0000 | 0.0000 | 84.663 | 0.05391 | 0.00000 | 316523.1 | 208789.1 | 100632.1 | S |
| 164.683 | 0.0000 | 0.0000 | 84.663 | 0.05391 | 0.00000 | 316523.1 | 208790.7 | 100632.1 | S |
| 164.692 | 0.0000 | 0.0000 | 84.663 | 0.05390 | 0.00000 | 316523.1 | 208792.3 | 100632.1 | S |
| 164.700 | 0.0000 | 0.0000 | 84.663 | 0.05390 | 0.00000 | 316523.1 | 208793.9 | 100632.1 | S |
| 164.708 | 0.0000 | 0.0000 | 84.663 | 0.05390 | 0.00000 | 316523.1 | 208795.5 | 100632.1 | S |
| 164.717 | 0.0000 | 0.0000 | 84.663 | 0.05389 | 0.00000 | 316523.1 | 208797.2 | 100632.1 | S |
| 164.725 | 0.0000 | 0.0000 | 84.663 | 0.05389 | 0.00000 | 316523.1 | 208798.8 | 100632.1 | S |
| 164.733 | 0.0000 | 0.0000 | 84.662 | 0.05388 | 0.00000 | 316523.1 | 208800.4 | 100632.1 | S |
| 164.742 | 0.0000 | 0.0000 | 84.662 | 0.05388 | 0.00000 | 316523.1 | 208802.0 | 100632.1 | S |
| 164.750 | 0.0000 | 0.0000 | 84.662 | 0.05387 | 0.00000 | 316523.1 | 208803.6 | 100632.1 | S |
| 164.758 | 0.0000 | 0.0000 | 84.662 | 0.05387 | 0.00000 | 316523.1 | 208805.2 | 100632.1 | S |
| 164.767 | 0.0000 | 0.0000 | 84,662 | 0.05386 | 0.00000 | 316523.1 | 208806.9 | 100632.1 | S |
| 164.775 | 0.0000 | 0.0000 | 84.662 | 0.05386 | 0.00000 | 316523.1 | 208808.5 | 100632.1 | S |
| 164.783 | 0.0000 | 0.0000 | 84.662 | 0.05385 | 0.00000 | 316523.1 | 208810.1 | 100632.1 | S |
| 164.792 | 0.0000 | 0.0000 | 84.662 | 0.05385 | 0.00000 | 316523.1 | 208811.7 | 100632. ${ }^{1}$ | S |
| 164.800 | 0.0000 | 0.0000 | 84.661 | 0.05384 | 0.00000 | 316523.1 | 208813.3 | 100632.1 | S |
| 164.808 | 0.0000 | 0.0000 | 84.661 | 0.05384 | 0.00000 | 316523.1 | 208814.9 | 100632.1 | S |
| 164.817 | 0.0000 | 0.0000 | 84.661 | 0.05383 | 0.00000 | 316523.1 | 208816.5 | 100632.1 | S |
| 164.825 | 0.0000 | 0.0000 | 84.661 | 0.05383 | 0.00000 | 316523.1 | 208818.2 | 100632.1 | S |
| 164.833 | 0.0000 | 0.0000 | 84.661 | 0.05382 | 0.00000 | 316523.1 | 208819.8 | 100632.1 | S |
| 164.842 | 0.0000 | 0.0000 | 84.661 | 0.05382 | 0.00000 | 316523.1 | 208821.4 | 100632.1 | S |
| 164.850 | 0.0000 | 0.0000 | 84.661 | 0.05381 | 0.00000 | 316523.1 | 208823.0 | 100632.1 | S |
| 164.858 | 0.0000 | 0.0000 | 84.660 | 0.05381 | 0.00000 | 316523.1 | 208824.6 | 100632.1 | S |
| 164.867 | 0.0000 | 0.0000 | 84.660 | 0.05380 | 0.00000 | 316523.1 | 208826.2 | 100632.1 | S |
| 164.875 | 0.0000 | 0.0000 | 84.660 | 0.05380 | 0.00000 | 316523.1 | 208827.8 | 100632.1 | S |
| 164.883 | 0.0000 | 0.0000 | 84.660 | 0.05379 | 0.00000 | 316523.1 | 208829.5 | 100632.1 | S |
| 164.892 | 0.0000 | 0.0000 | 84.660 | 0.05379 | 0.00000 | 316523.1 | 208831.1 | 100632.1 | S |
| 164.900 | 0.0000 | 0.0000 | 84.660 | 0.05378 | 0.00000 | 316523.1 | 208832.7 | 100632.1 | S |
| 164.908 | 0.0000 | 0.0000 | 84.660 | 0.05378 | 0.00000 | 316523.1 | 208834.3 | 100632.1 | S |
| 164.917 | 0.0000 | 0.0000 | 84.660 | 0.05378 | 0.00000 | 316523.1 | 208835.9 | 100632.1 | S |
| 164.925 | 0.0000 | 0.0000 | 84.659 | 0.05377 | 0.00000 | 316523.1 | 208837.5 | 100632.1 | S |
| 164.933 | 0.0000 | 0.0000 | 84.659 | 0.05377 | 0.00000 | 316523.1 | 208839.1 | 100632.1 | S |
| 164.942 | 0.0000 | 0.0000 | 84.659 | 0.05376 | 0.00000 | 316523.1 | 208840.8 | 100632.1 | S |
| 164.950 | 0.0000 | 0.0000 | 84.659 | 0.05376 | 0.00000 | 316523.1 | 208842.4 | 100632.1 | S |
| 164.958 | 0.0000 | 0.0000 | 84.659 | 0.05375 | 0.00000 | 316523.1 | 208844.0 | 100632.1 | S |
| 164.967 | 0.0000 | 0.0000 | 84.659 | 0.05375 | 0.00000 | 316523.1 | 208845.6 | 100632.1 | S |
| 164.975 | 0.0000 | 0.0000 | 84.659 | 0.05374 | 0.00000 | 316523.1 | 208847.2 | 100632.1 | S |
| 164.983 | 0.0000 | 0.0000 | 84.658 | 0.05374 | 0.00000 | 316523.1 | 208848.8 | 100632.1 | S |
| 164.992 | 0.0000 | 0.0000 | 84.658 | 0.05373 | 0.00000 | 316523.1 | 208850.4 | 100632.1 | S |
| 165.000 | 0.0000 | 0.0000 | 84.658 | 0.05373 | 0.00000 | 316523.1 | 208852.0 | 100632.1 | S |
| 165.008 | 0.0000 | 0.0000 | 84.658 | 0.05372 | 0.00000 | 316523.1 | 208853.7 | 100632.1 | S |
| 165.017 | 0.0000 | 0.0000 | 84.658 | 0.05372 | 0.00000 | 316523.1 | 208855.3 | 100632.1 | S |
| 165.025 | 0.0000 | 0.0000 | 84.658 | 0.05371 | 0.00000 | 316523.1 | 208856.9 | 100632.1 | S |
| 165.033 | 0.0000 | 0.0000 | 84.658 | 0.05371 | 0.00000 | 316523.1 | 208858.5 | 100632.1 | S |
| $\uparrow 65.042$ | 0.0000 | 0.0000 | 84.658 | 0.05370 | 0.00000 | 316523.1 | 208860.1 | 100632.1 | S |
| 165.050 | 0.0000 | 0.0000 | 84.657 | 0.05370 | 0.00000 | 316523.1 | 208861.7 | 100632.1 | S |
| 165.058 | 0.0000 | 0.0000 | 84.657 | 0.05369 | 0.00000 | 316523.1 | 208863.3 | 100632.1 | S |
| 165.067 | 0.0000 | 0.0000 | 84.657 | 0.05369 | 0.00000 | 316523.1 | 208864.9 | 100632.1 | S |
| 165.075 | 0.0000 | 0.0000 | 84.657 | 0.05368 | 0.00000 | 316523.1 | 208866.5 | 100632.1 | S |
| 165.083 | 0.0000 | 0.0000 | 84.657 | 0.05368 | 0.00000 | 316523.1 | 208868.2 | 100632.1 | S |
| 165.092 | 0.0000 | 0.0000 | 84.657 | 0.05367 | 0.00000 | 316523.1 | 208869.8 | 100632.1 | S |
| 165.100 | 0.0000 | 0.0000 | 84.657 | 0.05367 | 0.00000 | 316523.1 | 208871.4 | 100632.1 | S |
| 165.108 | 0.0000 | 0.0000 | 84.656 | 0.05366 | 0.00000 | 316523.1 | 208873.0 | 100632.1 | S |
| 165.117 | 0.0000 | 0.0000 | 84.656 | 0.05366 | 0.00000 | 316523.1 | 208874.6 | 100632.1 | S |
| 165.125 | 0.0000 | 0.0000 | 84.656 | 0.05366 | 0.00000 | 316523.1 | 208876.2 | 100632.1 | S |
| 165.133 | 0.0000 | 0.0000 | 84.656 | 0.05365 | 0.00000 | 316523.1 | 208877.8 | 100632.1 | S |
| 165.142 | 0.0000 | 0.0000 | 84.656 | 0.05365 | 0.00000 | 316523.1 | 208879.4 | 100632.1 | S |
| 165.150 | 0.0000 | 0.0000 | 84.656 | 0.05364 | 0.00000 | 316523.1 | 208881.0 | 100632.1 | S |
| 165.158 | 0.0000 | 0.0000 | 84.656 | 0.05364 | 0.00000 | 316523.1 | 208882.6 | 100632.1 | S |
| 165.167 | 0.0000 | 0.0000 | 84.656 | 0.05363 | 0.00000 | 316523.1 | 208884.3 | 100632.1 | S |
| 165.175 | 0.0000 | 0.0000 | 84.655 | 0.05363 | 0.00000 | 316523.1 | 208885.9 | 100632.1 | S |
| 165.183 | 0.0000 | 0.0000 | 84.655 | 0.05362 | 0.00000 | 316523.1 | 208887.5 | 100632.1 | S |
| 165.192 | 0.0000 | 0.0000 | 84.655 | 0.05362 | 0.00000 | 316523.1 | 208889.1 | 100632.1 | S |
| 165.200 | 0.0000 | 0.0000 | 84.655 | 0.05361 | 0.00000 | 316523.1 | 208890.7 | 100632.1 | S |
| 165.208 | 0.0000 | 0.0000 | 84.655 | 0.05361 | 0.00000 | 316523.1 | 208892,3 | 100632.1 | S |
| 165.217 | 0.0000 | 0.0000 | 84.655 | 0.05360 | 0.00000 | 316523.1 | 208893.9 | 100632.1 | S |
| 165.225 | 0.0000 | 0.0000 | 84.655 | 0.05360 | 0.00000 | 316523.1 | 208895.5 | 100632.1 | S |
| 165.233 | 0.0000 | 0.0000 | 84.654 | 0.05359 | 0.00000 | 316523.1 | 208897.1 | 100632.1 | S |
| 165.242 | 0.0000 | 0.0000 | 84.654 | 0.05359 | 0.00000 | 316523.1 | 208898.7 | 100632.1 | S |
| 165.250 | 0.0000 | 0.0000 | 84.654 | 0.05358 | 0.00000 | 316523.1 | 208900.3 | 100632.1 | S |
| 165.258 | 0.0000 | 0.0000 | 84.654 | 0.05358 | 0.00000 | 316523.1 | 208901.9 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}{ }^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 165.267 | 0.0000 | 0.0000 | 84.654 | 0.05357 | 0.00000 | 316523.1 | 208903.5 | 100632.1 | S |
| 165.275 | 0.0000 | 0.0000 | 84.654 | 0.05357 | 0.00000 | 316523.1 | 208905.2 | 100632.1 | S |
| 165.283 | 0.0000 | 0.0000 | 84.654 | 0.05356 | 0.00000 | 316523.1 | 208906.8 | 100632.1 | S |
| 165.292 | 0.0000 | 0.0000 | 84.654 | 0.05356 | 0.00000 | 316523.1 | 208908.4 | 100632.1 | S |
| 165.300 | 0.0000 | 0.0000 | 84.653 | 0.05355 | 0.00000 | 316523.1 | 208910.0 | 100632.1 | S |
| 165.308 | 0.0000 | 0.0000 | 84.653 | 0.05355 | 0.00000 | 316523.1 | 208911.6 | 100632.1 | S |
| 165.317 | 0.0000 | 0.0000 | 84.653 | 0.05355 | 0.00000 | 316523.1 | 208913.2 | 100632.1 | S |
| 165.325 | 0.0000 | 0.0000 | 84.653 | 0.05354 | 0.00000 | 316523.1 | 208914.8 | 100632.1 | S |
| 165.333 | 0.0000 | 0.0000 | 84.653 | 0.05354 | 0.00000 | 316523.1 | 208916.4 | 100632.1 | S |
| 165.342 | 0.0000 | 0.0000 | 84.653 | 0.05353 | 0.00000 | 316523.1 | 208918.0 | 100632.1 | S |
| 165.350 | 0.0000 | 0.0000 | 84.653 | 0.05353 | 0.00000 | 316523.1 | 208919.6 | 100632.1 | S |
| 165.358 | 0.0000 | 0.0000 | 84.652 | 0.05352 | 0.00000 | 316523.1 | 208921.2 | 100632.1 | S |
| 165.367 | 0.0000 | 0.0000 | 84.652 | 0.05352 | 0.00000 | 316523.1 | 208922.8 | 100632.1 | S |
| 165.375 | 0.0000 | 0.0000 | 84.652 | 0.05351 | 0.00000 | 316523.1 | 208924.4 | 100632.1 | S |
| 165.383 | 0.0000 | 0.0000 | 84.652 | 0.05351 | 0.00000 | 316523.1 | 208926.0 | 100632.1 | S |
| 165.392 | 0.0000 | 0.0000 | 84.652 | 0.05350 | 0.00000 | 316523.1 | 208927.6 | 100632.1 | S |
| 165.400 | 0.0000 | 0.0000 | 84.652 | 0.05350 | 0.00000 | 316523.1 | 208929.2 | 100632.1 | S |
| 165.408 | 0.0000 | 0.0000 | 84.652 | 0.05349 | 0.00000 | 316523.1 | 208930.8 | 100632.1 | S |
| 165.417 | 0.0000 | 0.0000 | 84.652 | 0.05349 | 0.00000 | 316523.1 | 208932.5 | 100632.1 | S |
| 165.425 | 0.0000 | 0.0000 | 84.651 | 0.05348 | 0.00000 | 316523.1 | 208934.1 | 100632.1 | S |
| 165.433 | 0.0000 | 0.0000 | 84.651 | 0.05348 | 0.00000 | 316523.1 | 208935.7 | 100632.1 | S |
| 165.442 | 0.0000 | 0.0000 | 84.651 | 0.05347 | 0.00000 | 316523.1 | 208937.3 | 100632.1 | S |
| 165.450 | 0.0000 | 0.0000 | 84.651 | 0.05347 | 0.00000 | 316523.1 | 208938.9 | 100632.1 | S |
| 165.458 | 0.0000 | 0.0000 | 84.651 | 0.05346 | 0.00000 | 316523.1 | 208940.5 | 100632.1 | S |
| 165.467 | 0.0000 | 0.0000 | 84.651 | 0.05346 | 0.00000 | 316523.1 | 208942.1 | 100632.1 | S |
| 165.475 | 0.0000 | 0.0000 | 84.651 | 0.05345 | 0.00000 | 316523.1 | 208943.7 | 100632.1 | S |
| 165.483 | 0.0000 | 0.0000 | 84.650 | 0.05345 | 0.00000 | 316523.1 | 208945.3 | 100632.1 | S |
| 165.492 | 0.0000 | 0.0000 | 84.650 | 0.05344 | 0.00000 | 316523.1 | 208946.9 | 100632.1 | S |
| 165.500 | 0.0000 | 0.0000 | 84.650 | 0.05344 | 0.00000 | 316523.1 | 208948.5 | 100632.1 | S |
| 165.508 | 0.0000 | 0.0000 | 84.650 | 0.05344 | 0.00000 | 316523.1 | 208950.1 | 100632.1 | S |
| 165.517 | 0.0000 | 0.0000 | 84.650 | 0.05343 | 0.00000 | 316523.1 | 208951.7 | 100632.1 | S |
| 165.525 | 0.0000 | 0.0000 | 84.650 | 0.05343 | 0.00000 | 316523.1 | 208953.3 | 100632.1 | S |
| 165.533 | 0.0000 | 0.0000 | 84.650 | 0.05342 | 0.00000 | 316523.1 | 208954.9 | 100632.1 | S |
| 165.542 | 0.0000 | 0.0000 | 84.650 | 0.05342 | 0.00000 | 316523.1 | 208956.5 | 100632.1 | S |
| 165.550 | 0.0000 | 0.0000 | 84.649 | 0.05341 | 0.00000 | 316523.1 | 208958.1 | 100632.1 | S |
| 165.558 | 0.0000 | 0.0000 | 84.649 | 0.05341 | 0.00000 | 316523.1 | 208959.7 | 100632.1 | S |
| 165.567 | 0.0000 | 0.0000 | 84.649 | 0.05340 | 0.00000 | 316523.1 | 208961.3 | 100632.1 | S |
| 165.575 | 0.0000 | 0.0000 | 84.649 | 0.05340 | 0.00000 | 316523.1 | 208962.9 | 100632.1 | S |
| $\{65.583$ | 0.0000 | 0.0000 | 84.649 | 0.05339 | 0.00000 | 316523.1 | 208964.5 | 100632.1 | S |
| 165.592 | 0.0000 | 0.0000 | 84.649 | 0.05339 | 0.00000 | 316523.1 | 208966.1 | 100632.1 | S |
| 165.600 | 0.0000 | 0.0000 | 84.649 | 0.05338 | 0.00000 | 316523.1 | 208967.7 | 100632.1 | S |
| 165.608 | 0.0000 | 0.0000 | 84.648 | 0.05338 | 0.00000 | 316523.1 | 208969.3 | 100632.1 | S |
| 165.617 | 0.0000 | 0.0000 | 84.648 | 0.05337 | 0.00000 | 316523.1 | 208970.9 | 100632.1 | S |
| 165.625 | 0.0000 | 0.0000 | 84.648 | 0.05337 | 0.00000 | 316523.1 | 208972.5 | 100632.1 | S |
| 165.633 | 0.0000 | 0.0000 | 84.648 | 0.05336 | 0.00000 | 316523.1 | 208974.1 | 100632.1 | S |
| 165.642 | 0.0000 | 0.0000 | 84.648 | 0.05336 | 0.00000 | 316523.1 | 208975.7 | 100632.1 | S |
| 165.650 | 0.0000 | 0.0000 | 84.648 | 0.05335 | 0.00000 | 316523.1 | 208977.3 | 100632.1 | S |
| 165.658 | 0.0000 | 0.0000 | 84.648 | 0.05335 | 0.00000 | 316523.1 | 208978.9 | 100632.1 | S |
| 165.667 | 0.0000 | 0.0000 | 84.648 | 0.05334 | 0.00000 | 316523.1 | 208980.5 | 100632.1 | S |
| 165.675 | 0.0000 | 0.0000 | 84.647 | 0.05334 | 0.00000 | 316523.1 | 208982.1 | 100632.1 | S |
| 165.683 | 0.0000 | 0.0000 | 84.647 | 0.05334 | 0.00000 | 316523.1 | 208983.7 | 100632.1 | S |
| 165.692 | 0.0000 | 0.0000 | 84.647 | 0.05333 | 0.00000 | 316523.1 | 208985.3 | 100632.1 | S |
| 165.700 | 0.0000 | 0.0000 | 84.647 | 0.05333 | 0.00000 | 316523.1 | 208986.9 | 100632.1 | S |
| 165.708 | 0.0000 | 0.0000 | 84.647 | 0.05332 | 0.00000 | 316523.1 | 208988.5 | 100632.1 | S |
| 165.717 | 0.0000 | 0.0000 | 84.647 | 0.05332 | 0.00000 | 316523.1 | 208990.1 | 100632.1 | S |
| 165.725 | 0.0000 | 0.0000 | 84.647 | 0.05331 | 0.00000 | 316523.1 | 208991.7 | 100632.1 | S |
| 165.733 | 0.0000 | 0.0000 | 84.646 | 0.05331 | 0.00000 | 316523.1 | 208993.3 | 100632.1 | S |
| 165.742 | 0.0000 | 0.0000 | 84.646 | 0.05330 | 0.00000 | 316523.1 | 208994.9 | 100632.1 | S |
| 165.750 | 0.0000 | 0.0000 | 84.646 | 0.05330 | 0.00000 | 316523.1 | 208996.5 | 100632.1 | S |
| 165.758 | 0.0000 | 0.0000 | 84.646 | 0.05329 | 0.00000 | 316523.1 | 208998.1 | 100632.1 | S |
| 165.767 | 0.0000 | 0.0000 | 84.646 | 0.05329 | 0.00000 | 316523.1 | 208999.7 | 100632.1 | S |
| 165.775 | 0.0000 | 0.0000 | 84.646 | 0.05328 | 0.00000 | 316523.1 | 209001.3 | 100632.1 | S |
| 165.783 | 0.0000 | 0.0000 | 84.646 | 0.05328 | 0.00000 | 316523.1 | 209002.9 | 100632.1 | S |
| 165.792 | 0.0000 | 0.0000 | 84.645 | 0.05327 | 0.00000 | 316523.1 | 209004.5 | 100632.1 | S |
| 165.800 | 0.0000 | 0.0000 | 84.645 | 0.05327 | 0.00000 | 316523.1 | 209006.1 | 100632.1 | S |
| 165.808 | 0.0000 | 0.0000 | 84.645 | 0.05326 | 0.00000 | 316523.1 | 209007.7 | 100632.1 | S |
| 165.817 | 0.0000 | 0.0000 | 84.645 | 0.05326 | 0.00000 | 316523.1 | 209009.3 | 100632.1 | S |
| 165.825 | 0.0000 | 0.0000 | 84.645 | 0.05325 | 0.00000 | 316523.1 | 209010.9 | 100632.1 | S |
| 165.833 | 0.0000 | 0.0000 | 84.645 | 0.05325 | 0.00000 | 316523.1 | 209012.5 | 100632.1 | S |
| 165.842 | 0.0000 | 0.0000 | 84.645 | 0.05325 | 0.00000 | 316523.1 | 209014.1 | 100632.1 | S |
| 165.850 | 0.0000 | 0.0000 | 84.645 | 0.05324 | 0.00000 | 316523.1 | 209015.7 | 100632.1 | S |
| 165.858 | 0.0000 | 0.0000 | 84.644 | 0.05324 | 0.00000 | 316523.1 | 209017.3 | 100632.1 | S |
| 165.867 | 0.0000 | 0.0000 | 84.644 | 0.05323 | 0.00000 | 316523.1 | 209018.9 | 100632.1 | S |
| 165.875 | 0.0000 | 0.0000 | 84.644 | 0.05323 | 0.00000 | 316523.1 | 209020.5 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Infiow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside <br> Recharge (fiday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / 5}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 165.883 | 0.0000 | 0.0000 | 84.644 | 0.05322 | 0.00000 | 316523.1 | 209022.1 | 100632.1 | S |
| 165.892 | 0.0000 | 0.0000 | 84.644 | 0.05322 | 0.00000 | 316523.1 | 209023.7 | 100632.1 | S |
| 165.900 | 0.0000 | 0.0000 | 84.644 | 0.05321 | 0.00000 | 316523.1 | 209025.3 | 100632.1 | S |
| 165.908 | 0.0000 | 0.0000 | 84.644 | 0.05321 | 0.00000 | 316523.1 | 209026.9 | 100632.1 | S |
| 165.917 | 0.0000 | 0.0000 | 84.643 | 0.05320 | 0.00000 | 316523.1 | 209028.5 | 100632.1 | S |
| 165.925 | 0.0000 | 0.0000 | 84.643 | 0.05320 | 0.00000 | 316523.1 | 209030.1 | 100632.1 | S |
| 165.933 | 0.0000 | 0.0000 | 84.643 | 0.05319 | 0.00000 | 316523.1 | 209031.7 | 100632.1 | S |
| 165.942 | 0.0000 | 0.0000 | 84.643 | 0.05319 | 0.00000 | 316523.1 | 209033.3 | 100632.1 | S |
| 165.950 | 0.0000 | 0.0000 | 84.643 | 0.05318 | 0.00000 | 316523.1 | 209034.9 | 100632.1 | S |
| 165.958 | 0.0000 | 0.0000 | 84.643 | 0.05318 | 0.00000 | 316523.1 | 209036.5 | 100632.1 | S |
| 165.967 | 0.0000 | 0.0000 | 84.643 | 0.05317 | 0.00000 | 316523.1 | 209038.0 | 100632.1 | S |
| 165.975 | 0.0000 | 0.0000 | 84.643 | 0.05317 | 0.00000 | 316523.1 | 209039.6 | 100632.1 | S |
| 165.983 | 0.0000 | 0.0000 | 84.642 | 0.05316 | 0.00000 | 316523.1 | 209041.2 | 100632.1 | S |
| 165.992 | 0.0000 | 0.0000 | 84.642 | 0.05316 | 0.00000 | 316523.1 | 209042.8 | 100632.1 | S |
| 166.000 | 0.0000 | 0.0000 | 84.642 | 0.05315 | 0.00000 | 316523.1 | 209044.4 | 100632.1 | S |
| 166.008 | 0.0000 | 0.0000 | 84.642 | 0.05315 | 0.00000 | 316523.1 | 209046.0 | 100632.1 | S |
| 166.017 | 0.0000 | 0.0000 | 84.642 | 0.05315 | 0.00000 | 316523.1 | 209047.6 | 100632.1 | S |
| 166.025 | 0.0000 | 0.0000 | 84.642 | 0.05314 | 0.00000 | 316523.1 | 209049.2 | 100632.1 | S |
| 166.033 | 0.0000 | 0.0000 | 84.642 | 0.05314 | 0.00000 | 316523.1 | 209050.8 | 100632.1 | S |
| 166.042 | 0.0000 | 0.0000 | 84.641 | 0.05313 | 0.00000 | 316523.1 | 209052.4 | 100632.1 | S |
| 166.050 | 0.0000 | 0.0000 | 84.641 | 0.05313 | 0.00000 | 316523.1 | 209054.0 | 100632.1 | S |
| 166.058 | 0.0000 | 0.0000 | 84.641 | 0.05312 | 0.00000 | 316523.1 | 209055.6 | 100632.1 | S |
| 166.067 | 0.0000 | 0.0000 | 84.641 | 0.05312 | 0.00000 | 316523.1 | 209057.2 | 100632.1 | S |
| 166.075 | 0.0000 | 0.0000 | 84.641 | 0.05311 | 0.00000 | 316523.1 | 209058.8 | 100632.1 | S |
| 166.083 | 0.0000 | 0.0000 | 84.641 | 0.05311 | 0.00000 | 316523.1 | 209060.4 | 100632.1 | S |
| 166.092 | 0.0000 | 0.0000 | 84.641 | 0.05310 | 0.00000 | 316523.1 | 209062.0 | 100632.1 | S |
| 166.100 | 0.0000 | 0.0000 | 84.641 | 0.05310 | 0.00000 | 316523.1 | 209063.5 | 100632.1 | S |
| 166.108 | 0.0000 | 0.0000 | 84.640 | 0.05309 | 0.00000 | 316523.1 | 209065.1 | 100632.1 | S |
| 166.117 | 0.0000 | 0.0000 | 84.640 | 0.05309 | 0.00000 | 316523.1 | 209066.7 | 100632.1 | S |
| 166.125 | 0.0000 | 0.0000 | 84.640 | 0.05308 | 0.00000 | 316523.1 | 209068.3 | 100632.1 | S |
| 166.133 | 0.0000 | 0.0000 | 84.640 | 0.05308 | 0.00000 | 316523.1 | 209069.9 | 100632.1 | S |
| 166.142 | 0.0000 | 0.0000 | 84.640 | 0.05307 | 0.00000 | 316523.1 | 209071.5 | 100632.1 | S |
| 166.150 | 0.0000 | 0.0000 | 84.640 | 0.05307 | 0.00000 | 316523.1 | 209073.1 | 100632.1 | S |
| 166.158 | 0.0000 | 0.0000 | 84.640 | 0.05307 | 0.00000 | 316523.1 | 209074.7 | 100632.1 | S |
| 166.167 | 0.0000 | 0.0000 | 84.640 | 0.05306 | 0.00000 | 316523.1 | 209076.3 | 100632.1 | S |
| 166.175 | 0.0000 | 0.0000 | 84.639 | 0.05306 | 0.00000 | 316523.1 | 209077.9 | 100632.1 | S |
| 166.183 | 0.0000 | 0.0000 | 84.639 | 0.05305 | 0.00000 | 316523.1 | 209079.5 | 100632.1 | S |
| 166.192 | 0.0000 | 0.0000 | 84.639 | 0.05305 | 0.00000 | 316523.1 | 209081.1 | 100632.1 | S |
| 166.200 | 0.0000 | 0.0000 | 84.639 | 0.05304 | 0.00000 | 316523.1 | 209082.7 | 100632.1 | S |
| 166.208 | 0.0000 | 0.0000 | 84.639 | 0.05304 | 0.00000 | 316523.1 | 209084.3 | 100632.1 | S |
| 166.217 | 0.0000 | 0.0000 | 84.639 | 0.05303 | 0.00000 | 316523.1 | 209085.8 | 100632.1 | S |
| 166.225 | 0.0000 | 0.0000 | 84.639 | 0.05303 | 0.00000 | 316523.1 | 209087.4 | 100632.1 | S |
| 166.233 | 0.0000 | 0.0000 | 84.638 | 0.05302 | 0.00000 | 316523.1 | 209089.0 | 100632.1 | S |
| 166.242 | 0.0000 | 0.0000 | 84.638 | 0.05302 | 0.00000 | 316523.1 | 209090.6 | 100632.1 | S |
| 166.250 | 0.0000 | 0.0000 | 84.638 | 0.05301 | 0.00000 | 316523.1 | 209092.2 | 100632.1 | S |
| 166.258 | 0.0000 | 0.0000 | 84.638 | 0.05301 | 0.00000 | 316523.1 | 209093.8 | 100632.1 | S |
| 166.267 | 0.0000 | 0.0000 | 84.638 | 0.05300 | 0.00000 | 316523.1 | 209095.4 | 100632.1 | S |
| 166.275 | 0.0000 | 0.0000 | 84.638 | 0.05300 | 0.00000 | 316523.1 | 209097.0 | 100632.1 | S |
| 166.283 | 0.0000 | 0.0000 | 84.638 | 0.05299 | 0.00000 | 316523.1 | 209098.6 | 100632.1 | S |
| 166.292 | 0.0000 | 0.0000 | 84.638 | 0.05299 | 0.00000 | 316523.1 | 209100.2 | 100632.1 | S |
| 166.300 | 0.0000 | 0.0000 | 84.637 | 0.05298 | 0.00000 | 316523.1 | 209101.7 | 100632.1 | S |
| 166.308 | 0.0000 | 0.0000 | 84.637 | 0.05298 | 0.00000 | 316523.1 | 209103.3 | 100632.1 | S |
| 166.317 | 0.0000 | 0.0000 | 84.637 | 0.05298 | 0.00000 | 316523.7 | 209104.9 | 100632.1 | S |
| 166.325 | 0.0000 | 0.0000 | 84.637 | 0.05297 | 0.00000 | 316523.1 | 209106.5 | 100632.1 | S |
| 166.333 | 0.0000 | 0.0000 | 84.637 | 0.05297 | 0.00000 | 316523.1 | 209108.1 | 100632.1 | S |
| 166.342 | 0.0000 | 0.0000 | 84.637 | 0.05296 | 0.00000 | 316523.1 | 209109.7 | 100632.1 | S |
| 166.350 | 0.0000 | 0.0000 | 84.637 | 0.05296 | 0.00000 | 316523.1 | 209111.3 | 100632.1 | S |
| 166.358 | 0.0000 | 0.0000 | 84.636 | 0.05295 | 0.00000 | 316523.1 | 209112.9 | 100632.1 | S |
| 166.367 | 0.0000 | 0.0000 | 84.636 | 0.05295 | 0.00000 | 316523.1 | 209114.5 | 100632.1 | S |
| 166.375 | 0.0000 | 0.0000 | 84.636 | 0.05294 | 0.00000 | 316523.1 | 209116.0 | 100632.1 | S |
| 166.383 | 0.0000 | 0.0000 | 84.636 | 0.05294 | 0.00000 | 316523.1 | 209117.6 | 100632.1 | S |
| 166.392 | 0.0000 | 0.0000 | 84.636 | 0.05293 | 0.00000 | 316523.1 | 209119.2 | 100632.1 | S |
| 166.400 | 0.0000 | 0.0000 | 84.636 | 0.05293 | 0.00000 | 316523.1 | 209120.8 | 100632.1 | S |
| 166.408 | 0.0000 | 0.0000 | 84.636 | 0.05292 | 0.00000 | 316523.1 | 209122.4 | 100632.1 | S |
| 166.417 | 0.0000 | 0.0000 | 84.636 | 0.05292 | 0.00000 | 316523.1 | 209124.0 | 100632.1 | S |
| 166.425 | 0.0000 | 0.0000 | 84.635 | 0.05291 | 0.00000 | 316523.1 | 209125.6 | 100632.1 | S |
| 166.433 | 0.0000 | 0.0000 | 84.635 | 0.05291 | 0.00000 | 316523.1 | 209127.2 | 100632.1 | S |
| 166.442 | 0.0000 | 0.0000 | 84.635 | 0.05290 | 0.00000 | 316523.1 | 209128.8 | 100632.1 | S |
| 166.450 | 0.0000 | 0.0000 | 84.635 | 0.05290 | 0.00000 | 316523.1 | 209130.3 | 100632.1 | S |
| 166.458 | 0.0000 | 0.0000 | 84.635 | 0.05290 | 0.00000 | 316523.1 | 209131.9 | 100632.1 | S |
| 166.467 | 0.0000 | 0.0000 | 84.635 | 0.05289 | 0.00000 | 316523.1 | 209133.5 | 100632.1 | S |
| 166.475 | 0.0000 | 0.0000 | 84.635 | 0.05289 | 0.00000 | 316523.1 | 209135.1 | 100632.1 | S |
| 166.483 | 0.0000 | 0.0000 | 84.634 | 0.05288 | 0.00000 | 316523.1 | 209136.7 | 100632.1 | S |
| 166.492 | 0.0000 | 0.0000 | 84.634 | 0.05288 | 0.00000 | 316523.1 | 209138.3 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation ( f datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge (ft3/s) | $\begin{aligned} & \text { Cumulative } \\ & \text { Inflow } \\ & \text { Volume (fi3) } \end{aligned}$ | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 166.500 | 0.0000 | 0,0000 | 84.634 | 0.05287 | 0.00000 | 316523.1 | 209139.8 | 100632.1 | S |
| 166.508 | 0.0000 | 0.0000 | 84.634 | 0.05287 | 0.00000 | 316523.1 | 209141.4 | 100632.1 | S |
| 166.517 | 0.0000 | 0.0000 | 84.634 | 0.05286 | 0.00000 | 316523.1 | 209143.0 | 100632.1 | S |
| 166.525 | 0.0000 | 0.0000 | 84.634 | 0.05286 | 0.00000 | 316523.1 | 209144.6 | 100632.1 | S |
| 166.533 | 0.0000 | 0.0000 | 84.634 | 0.05285 | 0.00000 | 316523.1 | 209146.2 | 100632.1 | S |
| 166.542 | 0.0000 | 0.0000 | 84.634 | 0.05285 | 0.00000 | 316523.1 | 209147.8 | 100632.1 | S |
| 166.550 | 0.0000 | 0.0000 | 84.633 | 0.05284 | 0.00000 | 316523.1 | 209149.4 | 100632.1 | S |
| 166.558 | 0.0000 | 0.0000 | 84.633 | 0.05284 | 0.00000 | 316523.1 | 209151.0 | 100632.1 | S |
| 166.567 | 0.0000 | 0.0000 | 84.633 | 0.05283 | 0.00000 | 316523.1 | 209152.5 | 100632.1 | S |
| 166.575 | 0.0000 | 0.0000 | 84.633 | 0.05283 | 0.00000 | 316523.1 | 209154.1 | 100632.7 | S |
| 166.583 | 0.0000 | 0.0000 | 84.633 | 0.05282 | 0.00000 | 316523.1 | 209155.7 | 100632.1 | S |
| 166.592 | 0.0000 | 0.0000 | 84.633 | 0.05282 | 0.00000 | 316523.1 | 209157.3 | 100632.1 | S |
| 166.600 | 0.0000 | 0.0000 | 84.633 | 0.05282 | 0.00000 | 316523.1 | 209158.9 | 100632.1 | S |
| 166.608 | 0.0000 | 0.0000 | 84.632 | 0.05281 | 0.00000 | 316523.1 | 209160.5 | 100632.1 | S |
| 166.617 | 0.0000 | 0.0000 | 84.632 | 0.05281 | 0.00000 | 316523.1 | 209162.0 | 100632.1 | S |
| 166.625 | 0.0000 | 0.0000 | 84.632 | 0.05280 | 0.00000 | 316523.1 | 209163.6 | 100632.1 | S |
| 166.633 | 0.0000 | 0.0000 | 84.632 | 0.05280 | 0.00000 | 316523.1 | 209165.2 | 100632.1 | S |
| 166.642 | 0.0000 | 0.0000 | 84.632 | 0.05279 | 0.00000 | 316523.1 | 209166.8 | 100632.1 | S |
| 166.650 | 0.0000 | 0.0000 | 84.632 | 0.05279 | 0.00000 | 316523.1 | 209168.4 | 100632.1 | S |
| 166.658 | 0.0000 | 0.0000 | 84.632 | 0.05278 | 0.00000 | 316523.1 | 209170.0 | 100632.1 | S |
| 166.667 | 0.0000 | 0.0000 | 84.632 | 0.05278 | 0.00000 | 316523.1 | 209171.5 | 100632.1 | S |
| 166.675 | 0.0000 | 0.0000 | 84.631 | 0.05277 | 0.00000 | 316523.1 | 209173.1 | 100632.1 | S |
| 166.683 | 0.0000 | 0.0000 | 84.631 | 0.05277 | 0.00000 | 316523.1 | 209174.7 | 100632.1 | S |
| 166.692 | 0.0000 | 0.0000 | 84.631 | 0.05276 | 0.00000 | 316523.1 | 209176.3 | 100632.1 | S |
| 166.700 | 0.0000 | 0.0000 | 84.631 | 0.05276 | 0.00000 | 316523.1 | 209177.9 | 100632.1 | S |
| 166.708 | 0.0000 | 0.0000 | 84.631 | 0.05275 | 0.00000 | 316523.1 | 209179.5 | 100632.1 | S |
| 166.717 | 0.0000 | 0.0000 | 84.631 | 0.05275 | 0.00000 | 316523.1 | 209181.0 | 100632.1 | S |
| 166.725 | 0.0000 | 0.0000 | 84.631 | 0.05274 | 0.00000 | 316523.1 | 209182.6 | 100632.1 | S |
| 166.733 | 0.0000 | 0.0000 | 84.630 | 0.05274 | 0.00000 | 316523.1 | 209184.2 | 100632.1 | S |
| 166.742 | 0.0000 | 0.0000 | 84.630 | 0.05274 | 0.00000 | 316523.1 | 209185.8 | 100632.1 | S |
| 166.750 | 0.0000 | 0.0000 | 84.630 | 0.05273 | 0.00000 | 316523.1 | 209187.4 | 100632.1 | S |
| 166.758 | 0.0000 | 0.0000 | 84.630 | 0.05273 | 0.00000 | 316523.1 | 209189.0 | 100632.1 | S |
| 166.767 | 0.0000 | 0.0000 | 84.630 | 0.05272 | 0.00000 | 316523.1 | 209190.5 | 100632.1 | S |
| 166.775 | 0.0000 | 0.0000 | 84.630 | 0.05272 | 0.00000 | 316523.1 | 209192.1 | 100632.1 | S |
| 166.783 | 0.0000 | 0.0000 | 84.630 | 0.05271 | 0.00000 | 316523.1 | 209193.7 | 100632.1 | S |
| 166.792 | 0.0000 | 0.0000 | 84.630 | 0.05271 | 0.00000 | 316523.1 | 209195.3 | 100632.1 | S |
| 166.800 | 0.0000 | 0.0000 | 84.629 | 0.05270 | 0.00000 | 316523.1 | 209196.9 | 100632.1 | S |
| 166.808 | 0.0000 | 0.0000 | 84.629 | 0.05270 | 0.00000 | 316523.1 | 209198.4 | 100632.1 | S |
| 166.817 | 0.0000 | 0.0000 | 84.629 | 0.05269 | 0.00000 | 316523.7 | 209200.0 | 100632.1 | S |
| 166.825 | 0.0000 | 0.0000 | 84.629 | 0.05269 | 0.00000 | 316523.1 | 209201.6 | 100632.1 | S |
| 166.833 | 0.0000 | 0.0000 | 84.629 | 0.05268 | 0.00000 | 316523.1 | 209203.2 | 100632.1 | S |
| 166.842 | 0.0000 | 0.0000 | 84.629 | 0.05268 | 0.00000 | 316523.1 | 209204.8 | 100632.1 | S |
| 166.850 | 0.0000 | 0.0000 | 84.629 | 0.05267 | 0.00000 | 316523.1 | 209206.3 | 100632.1 | S |
| 166.858 | 0.0000 | 0.0000 | 84.628 | 0.05267 | 0.00000 | 316523.1 | 209207.9 | 100632.1 | S |
| 166.867 | 0.0000 | 0.0000 | 84.628 | 0.05266 | 0.00000 | 316523.1 | 209209.5 | 100632.1 | S |
| 166.875 | 0.0000 | 0.0000 | 84.628 | 0.05266 | 0.00000 | 316523.1 | 209211.1 | 100632.1 | S |
| 166.883 | 0.0000 | 0.0000 | 84.628 | 0.05266 | 0.00000 | 316523.1 | 209212.7 | 100632.1 | S |
| 166.892 | 0.0000 | 0.0000 | 84.628 | 0.05265 | 0.00000 | 316523.1 | 209214.3 | 100632.1 | S |
| 166.900 | 0.0000 | 0.0000 | 84.628 | 0.05265 | 0.00000 | 316523.1 | 209215.8 | 100632.1 | S |
| 166.908 | 0.0000 | 0.0000 | 84.628 | 0.05264 | 0.00000 | 316523.1 | 209217.4 | 100632.1 | S |
| 166.917 | 0.0000 | 0.0000 | 84.628 | 0.05264 | 0.00000 | 316523.1 | 209219.0 | 100632.1 | S |
| 166.925 | 0.0000 | 0.0000 | 84.627 | 0.05263 | 0.00000 | 316523.1 | 209220.6 | 100632.1 | S |
| 166.933 | 0.0000 | 0.0000 | 84.627 | 0.05263 | 0.00000 | 316523.1 | 209222.1 | 100632.1 | S |
| 166.942 | 0.0000 | 0.0000 | 84.627 | 0.05262 | 0.00000 | 316523.1 | 209223.7 | 100632.1 | S |
| 166.950 | 0.0000 | 0.0000 | 84.627 | 0.05262 | 0.00000 | 316523.1 | 209225.3 | 100632.1 | S |
| 166.958 | 0.0000 | 0.0000 | 84.627 | 0.05261 | 0.00000 | 316523.1 | 209226.9 | 100632.7 | S |
| 166.967 | 0.0000 | 0.0000 | 84.627 | 0.05261 | 0.00000 | 316523.1 | 209228.5 | 100632.1 | S |
| 166.975 | 0.0000 | 0.0000 | 84.627 | 0.05260 | 0.00000 | 316523.1 | 209230.0 | 100632.1 | S |
| 166.983 | 0.0000 | 0.0000 | 84.626 | 0.05260 | 0.00000 | 316523.1 | 209231.6 | 100632.1 | S |
| 166.992 | 0.0000 | 0.0000 | 84.626 | 0.05259 | 0.00000 | 316523.1 | 209233.2 | 100632.1 | S |
| 167.000 | 0.0000 | 0.0000 | 84.626 | 0.05259 | 0.00000 | 316523.1 | 209234.8 | 100632.1 | S |
| 167.008 | 0.0000 | 0.0000 | 84.626 | 0.05259 | 0.00000 | 316523.1 | 209236.3 | 100632.1 | S |
| 167.017 | 0.0000 | 0.0000 | 84.626 | 0.05258 | 0.00000 | 316523.1 | 209237.9 | 100632.1 | S |
| 167.025 | 0.0000 | 0.0000 | 84.626 | 0.05258 | 0.00000 | 316523.1 | 209239.5 | 100632.1 | S |
| 167.033 | 0.0000 | 0.0000 | 84.626 | 0.05257 | 0.00000 | 316523.1 | 209241.1 | 100632.1 | S |
| 167.042 | 0.0000 | 0.0000 | 84.626 | 0.05257 | 0.00000 | 316523.1 | 209242.7 | 100632.1 | S |
| 167.050 | 0.0000 | 0.0000 | 84.625 | 0.05256 | 0.00000 | 316523.1 | 209244.2 | 100632.1 | S |
| 167.058 | 0.0000 | 0.0000 | 84.625 | 0.05256 | 0.00000 | 316523.1 | 209245.8 | 100632.1 | S |
| 167.067 | 0.0000 | 0.0000 | 84.625 | 0.05255 | 0.00000 | 316523.1 | 209247.4 | 100632.1 | S |
| 167.075 | 0.0000 | 0.0000 | 84.625 | 0.05255 | 0.00000 | 316523.1 | 209249.0 | 100632.1 | S |
| 167.083 | 0.0000 | 0.0000 | 84.625 | 0.05254 | 0.00000 | 316523.1 | 209250.5 | 100632.1 | S |
| 167.092 | 0.0000 | 0.0000 | 84.625 | 0.05254 | 0.00000 | 316523.1 | 209252.1 | 100632.1 | S |
| 167.100 | 0.0000 | 0.0000 | 84.625 | 0.05253 | 0.00000 | 316523.1 | 209253.7 | 100632.1 | S |
| 167.108 | 0.0000 | 0.0000 | 84.624 | 0.05253 | 0.00000 | 316523.1 | 209255.3 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{i} / 3 / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Vofume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 167.117 | 0.0000 | 0.0000 | 84.624 | 0.05252 | 0.00000 | 316523.1 | 209256.8 | 100632.1 | S |
| 167.125 | 0.0000 | 0.0000 | 84.624 | 0.05252 | 0.00000 | 316523.1 | 209258.4 | 100632.1 | S |
| 167.133 | 0.0000 | 0.0000 | 84.624 | 0.05251 | 0.00000 | 316523.1 | 209260.0 | 100632.1 | S |
| 167.142 | 0.0000 | 0.0000 | 84.624 | 0.05251 | 0.00000 | 316523.1 | 209261.6 | 100632.1 | 5 |
| 167.150 | 0.0000 | 0.0000 | 84.624 | 0.05251 | 0.00000 | 316523.1 | 209263.1 | 100632.1 | S |
| 167.158 | 0.0000 | 0.0000 | 84.624 | 0.05250 | 0.00000 | 316523.1 | 209264.7 | 100632.1 | S |
| 167.167 | 0.0000 | 0.0000 | 84.624 | 0.05250 | 0.00000 | 316523.1 | 209266.3 | 100632.1 | S |
| 167.175 | 0.0000 | 0.0000 | 84.623 | 0.05249 | 0.00000 | 316523.1 | 209267.9 | 100632.1 | S |
| 167.183 | 0.0000 | 0.0000 | 84.623 | 0.05249 | 0.00000 | 316523.1 | 209269.4 | 100632.1 | S |
| 167.192 | 0.0000 | 0.0000 | 84.623 | 0.05248 | 0.00000 | 316523.1 | 209271.0 | 100632.1 | S |
| 167.200 | 0.0000 | 0.0000 | 84.623 | 0.05248 | 0.00000 | 316523.1 | 209272.6 | 100632.1 | S |
| 167.208 | 0.0000 | 0.0000 | 84.623 | 0.05247 | 0.00000 | 316523.1 | 209274.2 | 100632.1 | S |
| 167.217 | 0.0000 | 0.0000 | 84.623 | 0.05247 | 0.00000 | 316523.1 | 209275.7 | 100632.1 | S |
| 167.225 | 0.0000 | 0.0000 | 84.623 | 0.05246 | 0.00000 | 316523.1 | 209277.3 | 100632.1 | S |
| 167.233 | 0.0000 | 0.0000 | 84.623 | 0.05246 | 0.00000 | 316523.1 | 209278.9 | 100632.1 | S |
| 167.242 | 0.0000 | 0.0000 | 84.622 | 0.05245 | 0.00000 | 316523.1 | 209280.5 | 100632.1 | S |
| 167.250 | 0.0000 | 0.0000 | 84.622 | 0.05245 | 0.00000 | 316523.1 | 209282.0 | 100632.1 | S |
| 167.258 | 0.0000 | 0.0000 | 84.622 | 0.05244 | 0.00000 | 316523.1 | 209283.6 | 100632.1 | S |
| 167.267 | 0.0000 | 0.0000 | 84.622 | 0.05244 | 0.00000 | 316523.1 | 209285.2 | 100632.1 | S |
| 167.275 | 0.0000 | 0.0000 | 84.622 | 0.05244 | 0.00000 | 316523.1 | 209286.8 | 100632.1 | S |
| 167.283 | 0.0000 | 0.0000 | 84.622 | 0.05243 | 0.00000 | 316523.1 | 209288.3 | 100632.1 | S |
| 167.292 | 0.0000 | 0.0000 | 84.622 | 0.05243 | 0.00000 | 316523.1 | 209289.9 | 100632.1 | S |
| 167.300 | 0.0000 | 0.0000 | 84.621 | 0.05242 | 0.00000 | 316523.1 | 209291.5 | 100632.1 | S |
| 167.308 | 0.0000 | 0.0000 | 84.621 | 0.05242 | 0.00000 | 316523.1 | 209293.0 | 100632.1 | S |
| 167.317 | 0.0000 | 0.0000 | 84.621 | 0.05241 | 0.00000 | 316523.1 | 209294.6 | 100632.1 | S |
| 167.325 | 0.0000 | 0.0000 | 84.621 | 0.05241 | 0.00000 | 316523.1 | 209296.2 | 100632.1 | S |
| 167.333 | 0.0000 | 0.0000 | 84.621 | 0.05240 | 0.00000 | 316523.1 | 209297.8 | 100632.1 | S |
| 167.342 | 0.0000 | 0.0000 | 84.621 | 0.05240 | 0.00000 | 316523.1 | 209299.3 | 100632.1 | S |
| 167.350 | 0.0000 | 0.0000 | 84.621 | 0.05239 | 0.00000 | 316523.1 | 209300.9 | 100632.1 | S |
| 167.358 | 0.0000 | 0.0000 | 84.621 | 0.05239 | 0.00000 | 316523.1 | 209302.5 | 100632.1 | S |
| 167.367 | 0.0000 | 0.0000 | 84.620 | 0.05238 | 0.00000 | 316523.1 | 209304.0 | 100632.1 | S |
| 167.375 | 0.0000 | 0.0000 | 84.620 | 0.05238 | 0.00000 | 316523.1 | 209305.6 | 100632.1 | S |
| 167.383 | 0.0000 | 0.0000 | 84.620 | 0.05237 | 0.00000 | 316523.1 | 209307.2 | 100632.1 | S |
| 167.392 | 0.0000 | 0.0000 | 84.620 | 0.05237 | 0.00000 | 316523.1 | 209308.8 | 100632.1 | S |
| 167.400 | 0.0000 | 0.0000 | 84.620 | 0.05237 | 0.00000 | 316523.1 | 209310.3 | 100632.1 | S |
| 167.408 | 0.0000 | 0.0000 | 84.620 | 0.05236 | 0.00000 | 316523.1 | 209311.9 | 100632.1 | S |
| 167.417 | 0.0000 | 0.0000 | 84.620 | 0.05236 | 0.00000 | 316523.1 | 209313.5 | 100632.1 | S |
| 167.425 | 0.0000 | 0.0000 | 84.619 | 0.05235 | 0.00000 | 316523.1 | 209315.0 | 100632.1 | S |
| 167.433 | 0.0000 | 0.0000 | 84.619 | 0.05235 | 0.00000 | 316523.1 | 209316.6 | 100632.1 | S |
| 167.442 | 0.0000 | 0.0000 | 84.619 | 0.05234 | 0.00000 | 316523.1 | 209318.2 | 100632.1 | S |
| 167.450 | 0.0000 | 0.0000 | 84.619 | 0.05234 | 0.00000 | 316523.1 | 209319.8 | 100632.1 | S |
| 167.458 | 0.0000 | 0.0000 | 84.619 | 0.05233 | 0.00000 | 316523.1 | 209321.3 | 100632.1 | S |
| 167.467 | 0.0000 | 0.0000 | 84.619 | 0.05233 | 0.00000 | 316523.1 | 209322.9 | 100632.1 | S |
| 167.475 | 0.0000 | 0.0000 | 84.619 | 0.05232 | 0.00000 | 316523.1 | 209324.5 | 100632.1 | S |
| 167.483 | 0.0000 | 0.0000 | 84.619 | 0.05232 | 0.00000 | 316523.1 | 209326.0 | 100632.1 | S |
| 167.492 | 0.0000 | 0.0000 | 84.618 | 0.05231 | 0.00000 | 316523.1 | 209327.6 | 100632.1 | S |
| 167.500 | 0.0000 | 0.0000 | 84.618 | 0.05231 | 0.00000 | 316523.1 | 209329.2 | 100632.1 | S |
| 167.508 | 0.0000 | 0.0000 | 84.618 | 0.05231 | 0.00000 | 316523.1 | 209330.8 | 100632.1 | S |
| 167.517 | 0.0000 | 0.0000 | 84.618 | 0.05230 | 0.00000 | 316523.1 | 209332.3 | 100632.1 | S |
| 167.525 | 0.0000 | 0.0000 | 84.618 | 0.05230 | 0.00000 | 316523.1 | 209333.9 | 100632.1 | S |
| 167.533 | 0.0000 | 0.0000 | 84.618 | 0.05229 | 0.00000 | 316523.1 | 209335.5 | 100632.1 | S |
| 167.542 | 0.0000 | 0.0000 | 84.618 | 0.05229 | 0.00000 | 316523.1 | 209337.0 | 100632.1 | S |
| 167.550 | 0.0000 | 0.0000 | 84.617 | 0.05228 | 0.00000 | 316523.1 | 209338.6 | 100632.1 | S |
| 167.558 | 0.0000 | 0.0000 | 84.617 | 0.05228 | 0.00000 | 316523.1 | 209340.2 | 100632.1 | S |
| 167.567 | 0.0000 | 0.0000 | 84.617 | 0.05227 | 0.00000 | 316523.1 | 209341.7 | 100632.1 | S |
| 167.575 | 0.0000 | 0.0000 | 84.617 | 0.05227 | 0.00000 | 316523.1 | 209343.3 | 100632.1 | S |
| 167.583 | 0.0000 | 0.0000 | 84.617 | 0.05226 | 0.00000 | 316523.1 | 209344.9 | 100632.1 | S |
| 167.592 | 0.0000 | 0.0000 | 84.617 | 0.05226 | 0.00000 | 316523.1 | 209346.4 | 100632.1 | S |
| 167.600 | 0.0000 | 0.0000 | 84.617 | 0.05225 | 0.00000 | 316523.1 | 209348.0 | 100632.1 | S |
| 167.608 | 0.0000 | 0.0000 | 84.617 | 0.05225 | 0.00000 | 316523.1 | 209349.6 | 100632.1 | S |
| 167.617 | 0.0000 | 0.0000 | 84.616 | 0.05224 | 0.00000 | 316523.1 | 209351.1 | 100632.1 | S |
| 167.625 | 0.0000 | 0.0000 | 84.616 | 0.05224 | 0.00000 | 316523.1 | 209352.7 | 100632.1 | S |
| 167.633 | 0.0000 | 0.0000 | 84.616 | 0.05224 | 0.00000 | 316523.1 | 209354.3 | 100632.1 | S |
| 167.642 | 0.0000 | 0.0000 | 84.616 | 0.05223 | 0.00000 | 316523.1 | 209355.8 | 100632.1 | S |
| 167.650 | 0.0000 | 0.0000 | 84.616 | 0.05223 | 0.00000 | 316523.1 | 209357.4 | 100632.1 | S |
| 167.658 | 0.0000 | 0.0000 | 84.616 | 0.05222 | 0.00000 | 316523.1 | 209359.0 | 100632.1 | S |
| 167.667 | 0.0000 | 0.0000 | 84.616 | 0.05222 | 0.00000 | 316523.1 | 209360.5 | 100632.1 | S |
| 167.675 | 0.0000 | 0.0000 | 84.615 | 0.05221 | 0.00000 | 316523.1 | 209362.1 | 100632.1 | S |
| 167.683 | 0.0000 | 0.0000 | 84.615 | 0.05221 | 0.00000 | 316523.1 | 209363.7 | 100632.1 | S |
| 167.692 | 0.0000 | 0.0000 | 84.615 | 0.05220 | 0.00000 | 316523.1 | 209365.2 | 100632.1 | S |
| 167.700 | 0.0000 | 0.0000 | 84.615 | 0.05220 | 0.00000 | 316523.1 | 209366.8 | 100632.1 | S |
| 167.708 | 0.0000 | 0.0000 | 84.615 | 0.05219 | 0.00000 | 316523.1 | 209368.4 | 100632.1 | S |
| 167.717 | 0.0000 | 0.0000 | 84.615 | 0.05219 | 0.00000 | 316523.1 | 209369.9 | 100632.1 | S |
| 167.725 | 0.0000 | 0.0000 | 84.615 | 0.05218 | 0.00000 | 316523.1 | 209371.5 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 /} \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Overtlow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\left(\mathrm{f}^{3}\right)$ | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 167.733 | 0.0000 | 0.0000 | 84.615 | 0.05218 | 0.00000 | 316523.1 | 209373.1 | 100632.1 | S |
| 167.742 | 0.0000 | 0.0000 | 84.614 | 0.05217 | 0.00000 | 316523.1 | 209374.6 | 100632.1 | S |
| 167.750 | 0.0000 | 0.0000 | 84.614 | 0.05217 | 0.00000 | 316523.1 | 209376.2 | 100632.1 | S |
| 167.758 | 0.0000 | 0.0000 | 84.614 | 0.05217 | 0.00000 | 316523.7 | 209377.8 | 100632.1 | S |
| 167.767 | 0.0000 | 0.0000 | 84.614 | 0.05216 | 0.00000 | 316523.1 | 209379.3 | 100632.1 | S |
| 167.775 | 0.0000 | 0.0000 | 84.614 | 0.05216 | 0.00000 | 316523.1 | 209380.9 | 100632.1 | S |
| 167.783 | 0.0000 | 0.0000 | 84.614 | 0.05215 | 0.00000 | 316523.1 | 209382.5 | 100632.1 | S |
| 167.792 | 0.0000 | 0.0000 | 84.614 | 0.05215 | 0.00000 | 316523.1 | 209384.0 | 100632.1 | S |
| 167.800 | 0.0000 | 0.0000 | 84.614 | 0.05214 | 0.00000 | 316523.1 | 209385.6 | 100632.1 | S |
| 167.808 | 0.0000 | 0.0000 | 84.613 | 0.05214 | 0.00000 | 316523.1 | 209387.1 | 100632.1 | S |
| 167.817 | 0.0000 | 0.0000 | 84.613 | 0.05213 | 0.00000 | 316523.1 | 209388.7 | 100632.1 | S |
| 167.825 | 0.0000 | 0.0000 | 84.613 | 0.05213 | 0.00000 | 316523.1 | 209390.3 | 100632.1 | S |
| 167.833 | 0.0000 | 0.0000 | 84.613 | 0.05212 | 0.00000 | 316523.1 | 209391.8 | 100632.1 | S |
| 167.842 | 0.0000 | 0.0000 | 84.613 | 0.05212 | 0.00000 | 316523.1 | 209393.4 | 100632.1 | S |
| 167.850 | 0.0000 | 0.0000 | 84.613 | 0.05211 | 0.00000 | 316523.1 | 209395.0 | 100632.1 | S |
| 167.858 | 0.0000 | 0.0000 | 84.613 | 0.05211 | 0.00000 | 316523.1 | 209396.5 | 100632.1 | S |
| 167.867 | 0.0000 | 0.0000 | 84.612 | 0.05211 | 0.00000 | 316523.1 | 209398.1 | 100632.1 | S |
| 167.875 | 0.0000 | 0.0000 | 84.612 | 0.05210 | 0.00000 | 316523.1 | 209399.7 | 100632.1 | S |
| 167.883 | 0.0000 | 0.0000 | 84.612 | 0.05210 | 0.00000 | 316523.1 | 209401.2 | 100632.1 | S |
| 167.892 | 0.0000 | 0.0000 | 84.612 | 0.05209 | 0.00000 | 316523.1 | 209402.8 | 100632.1 | S |
| 167.900 | 0.0000 | 0.0000 | 84.612 | 0.05209 | 0.00000 | 316523.1 | 209404.3 | 100632.1 | S |
| 167.908 | 0.0000 | 0.0000 | 84.612 | 0.05208 | 0.00000 | 316523.1 | 209405.9 | 100632.1 | S |
| 167.917 | 0.0000 | 0.0000 | 84.612 | 0.05208 | 0.00000 | 316523.1 | 209407.5 | 100632.1 | S |
| 167.925 | 0.0000 | 0.0000 | 84.612 | 0.05207 | 0.00000 | 316523.1 | 209409.0 | 100632.1 | S |
| 167.933 | 0.0000 | 0.0000 | 84.611 | 0.05207 | 0.00000 | 316523.1 | 209410.6 | 100632.1 | S |
| 167.942 | 0.0000 | 0.0000 | 84.611 | 0.05206 | 0.00000 | 316523.1 | 209412.2 | 100632.1 | S |
| 167.950 | 0.0000 | 0.0000 | 84.611 | 0.05206 | 0.00000 | 316523.1 | 209413.7 | 100632.1 | S |
| 167.958 | 0.0000 | 0.0000 | 84.611 | 0.05205 | 0.00000 | 316523.1 | 209415.3 | 100632.1 | S |
| 167.967 | 0.0000 | 0.0000 | 84.611 | 0.05205 | 0.00000 | 316523.1 | 209416.8 | 100632.1 | S |
| 167.975 | 0.0000 | 0.0000 | 84.611 | 0.05205 | 0.00000 | 316523.1 | 209418.4 | 100632.1 | S |
| 167.983 | 0.0000 | 0.0000 | 84.611 | 0.05204 | 0.00000 | 316523.1 | 209420.0 | 100632.1 | S |
| 167.992 | 0.0000 | 0.0000 | 84.610 | 0.05204 | 0.00000 | 316523.1 | 209421.5 | 100632.1 | S |
| 168.000 | 0.0000 | 0.0000 | 84.610 | 0.05203 | 0.00000 | 316523.1 | 209423.1 | 100632.1 | S |
| 168.008 | 0.0000 | 0.0000 | 84.610 | 0.05203 | 0.00000 | 316523.1 | 209424.6 | 100632.1 | S |
| 168.017 | 0.0000 | 0.0000 | 84.610 | 0.05202 | 0.00000 | 316523.1 | 209426.2 | 100632.1 | S |
| 168.025 | 0.0000 | 0.0000 | 84.610 | 0.05202 | 0.00000 | 316523.1 | 209427.8 | 100632.1 | S |
| 168.033 | 0.0000 | 0.0000 | 84.610 | 0.05201 | 0.00000 | 316523.1 | 209429.3 | 100632.1 | S |
| 168.042 | 0.0000 | 0.0000 | 84.610 | 0.05201 | 0.00000 | 316523.1 | 209430.9 | 100632.1 | S |
| 168.050 | 0.0000 | 0.0000 | 84.610 | 0.05200 | 0.00000 | 316523.1 | 209432.4 | 100632.1 | S |
| 168.058 | 0.0000 | 0.0000 | 84.609 | 0.05200 | 0.00000 | 316523.1 | 209434.0 | 100632.1 | S |
| 168.067 | 0.0000 | 0.0000 | 84.609 | 0.05199 | 0.00000 | 316523.1 | 209435.6 | 100632.1 | S |
| 168.075 | 0.0000 | 0.0000 | 84.609 | 0.05199 | 0.00000 | 316523.1 | 209437.1 | 100632.1 | S |
| 168.083 | 0.0000 | 0.0000 | 84.609 | 0.05199 | 0.00000 | 316523.1 | 209438.7 | 100632.1 | S |
| 168.092 | 0.0000 | 0.0000 | 84.609 | 0.05198 | 0.00000 | 316523.1 | 209440.3 | 100632.1 | S |
| 168.100 | 0.0000 | 0.0000 | 84.609 | 0.05198 | 0.00000 | 316523.1 | 209441.8 | 100632.1 | S |
| 168.108 | 0.0000 | 0.0000 | 84.609 | 0.05197 | 0.00000 | 316523.1 | 209443.4 | 100632.1 | S |
| 168.117 | 0.0000 | 0.0000 | 84.608 | 0.05197 | 0.00000 | 316523.1 | 209444.9 | 100632.1 | S |
| 168.125 | 0.0000 | 0.0000 | 84.608 | 0.05196 | 0.00000 | 316523.1 | 209446.5 | 100632.1 | S |
| 168.133 | 0.0000 | 0.0000 | 84.608 | 0.05196 | 0.00000 | 316523.1 | 209448.0 | 100632.1 | S |
| 168.142 | 0.0000 | 0.0000 | 84.608 | 0.05195 | 0.00000 | 316523.1 | 209449.6 | 100632.1 | S |
| 168.150 | 0.0000 | 0.0000 | 84.608 | 0.05195 | 0.00000 | 316523.1 | 209451.2 | 100632.1 | S |
| 168.158 | 0.0000 | 0.0000 | 84.608 | 0.05194 | 0.00000 | 316523.1 | 209452.7 | 100632.1 | S |
| 168.167 | 0.0000 | 0.0000 | 84.608 | 0.05194 | 0.00000 | 316523.1 | 209454.3 | 100632.1 | S |
| 168.175 | 0.0000 | 0.0000 | 84.608 | 0.05193 | 0.00000 | 316523.1 | 209455.8 | 100632.1 | S |
| 168.183 | 0.0000 | 0.0000 | 84.607 | 0.05193 | 0.00000 | 316523.1 | 209457.4 | 100632.1 | S |
| 168.192 | 0.0000 | 0.0000 | 84.607 | 0.05193 | 0.00000 | 316523.1 | 209459.0 | 100632.1 | S |
| 168.200 | 0.0000 | 0.0000 | 84.607 | 0.05192 | 0.00000 | 316523.1 | 209460.5 | 100632.1 | S |
| 188.208 | 0.0000 | 0.0000 | 84.607 | 0.05192 | 0.00000 | 316523.1 | 209462.1 | 100632.1 | S |
| 168.217 | 0.0000 | 0.0000 | 84.607 | 0.05191 | 0.00000 | 316523.1 | 209463.6 | 100632.1 | S |
| 168.225 | 0.0000 | 0.0000 | 84.607 | 0.05191 | 0.00000 | 316523.1 | 209465.2 | 100632.1 | S |
| 168.233 | 0.0000 | 0.0000 | 84.607 | 0.05190 | 0.00000 | 316523.1 | 209466.7 | 100632.1 | S |
| 168.242 | 0.0000 | 0.0000 | 84.607 | 0.05190 | 0.00000 | 316523.1 | 209468.3 | 100632.1 | S |
| 168.250 | 0.0000 | 0.0000 | 84.606 | 0.05189 | 0.00000 | 316523.1 | 209469.8 | 100632.1 | S |
| 168.258 | 0.0000 | 0.0000 | 84.606 | 0.05189 | 0.00000 | 316523.1 | 209471.4 | 100632.1 | S |
| 168.267 | 0.0000 | 0.0000 | 84.606 | 0.05188 | 0.00000 | 316523.1 | 209473.0 | 100632.1 | S |
| 168.275 | 0.0000 | 0.0000 | 84.606 | 0.05188 | 0.00000 | 316523.1 | 209474.5 | 100632.1 | S |
| 168.283 | 0.0000 | 0.0000 | 84.606 | 0.05187 | 0.00000 | 316523.1 | 209476.1 | 100632.1 | S |
| 168.292 | 0.0000 | 0.0000 | 84.606 | 0.05187 | 0.00000 | 316523.1 | 209477.6 | 100632.1 | S |
| 168.300 | 0.0000 | 0.0000 | 84.606 | 0.05187 | 0.00000 | 316523.1 | 209479.2 | 100632.1 | S |
| \$68.308 | 0.0000 | 0.0000 | 84.605 | 0.05186 | 0.00000 | 316523.1 | 209480.7 | 100632.1 | S |
| 168.317 | 0.0000 | 0.0000 | 84.605 | 0.05186 | 0.00000 | $3\{6523.1$ | 209482.3 | 100632.1 | S |
| 168.325 | 0.0000 | 0.0000 | 84.605 | 0.05185 | 0.00000 | 316523.1 | 209483.9 | 100632.1 | S |
| 168.333 | 0.0000 | 0.0000 | 84.605 | 0.05185 | 0.00000 | 316523.1 | 209485.4 | 100632.1 | S |
| 168.342 | 0.0000 | 0.0000 | 84.605 | 0.05184 | 0.00000 | 316523.1 | 209487.0 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/overflow

| Elapsed Time (hours) | inflow Rate (f $\mathrm{f}^{3 / \mathrm{s})}$ | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overfiow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f} \mathrm{t}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 168.350 | 0.0000 | 0.0000 | 84.605 | 0.05184 | 0.00000 | 316523.1 | 209488.5 | 100632.1 | S |
| 168.358 | 0.0000 | 0.0000 | 84.605 | 0.05183 | 0.00000 | 316523.1 | 209490.1 | 100632.1 | S |
| 168.367 | 0.0000 | 0.0000 | 84.605 | 0.05183 | 0.00000 | 316523.1 | 209491.6 | 100632.1 | S |
| 168.375 | 0.0000 | 0.0000 | 84.604 | 0.05182 | 0.00000 | 316523.1 | 209493.2 | 100632.1 | S |
| 168.383 | 0.0000 | 0.0000 | 84.604 | 0.05182 | 0.00000 | 316523.1 | 209494.7 | 100632.1 | S |
| 168.392 | 0.0000 | 0.0000 | 84.604 | 0.05181 | 0.00000 | 316523.1 | 209496.3 | 100632.1 | S |
| 168.400 | 0.0000 | 0.0000 | 84.604 | 0.05181 | 0.00000 | 316523.1 | 209497.8 | 100632.1 | S |
| 168.408 | 0.0000 | 0.0000 | 84.604 | 0.05181 | 0.00000 | 316523.1 | 209499.4 | 100632.1 | S |
| 168.477 | 0.0000 | 0.0000 | 84.604 | 0.05180 | 0.00000 | 316523.1 | 209501.0 | 100632.1 | S |
| 168.425 | 0.0000 | 0.0000 | 84.604 | 0.05180 | 0.00000 | 316523.1 | 209502.5 | 100632.1 | S |
| 168.433 | 0.0000 | 0.0000 | 84.603 | 0.05179 | 0.00000 | 316523.1 | 209504.1 | 100632.1 | S |
| 168.442 | 0.0000 | 0.0000 | 84.603 | 0.05179 | 0.00000 | 316523.1 | 209505.6 | 100632.1 | S |
| 168.450 | 0.0000 | 0.0000 | 84.603 | 0.05178 | 0.00000 | 316523.1 | 209507.2 | 100632.1 | S |
| 168.458 | 0.0000 | 0.0000 | 84.603 | 0.05178 | 0.00000 | 316523.1 | 209508.7 | 100632.1 | S |
| 168.467 | 0.0000 | 0.0000 | 84.603 | 0.05177 | 0.00000 | 316523.1 | 209510.3 | 100632.1 | S |
| 168.475 | 0.0000 | 0.0000 | 84.603 | 0.05177 | 0.00000 | 316523.1 | 209511.8 | 100632.1 | S |
| 168.483 | 0.0000 | 0.0000 | 84.603 | 0.05176 | 0.00000 | 316523.1 | 209513.4 | 100632.1 | S |
| 168.492 | 0.0000 | 0.0000 | 84.603 | 0.05176 | 0.00000 | 316523.1 | 209514.9 | 100632.1 | S |
| 168.500 | 0.0000 | 0.0000 | 84.602 | 0.05175 | 0.00000 | 316523.1 | 209516.5 | 100632.1 | S |
| 168.508 | 0.0000 | 0.0000 | 84.602 | 0.05175 | 0.00000 | 316523.1 | 209518.0 | 100632.1 | S |
| 168.517 | 0.0000 | 0.0000 | 84.602 | 0.05175 | 0.00000 | 316523.1 | 209519.6 | 100632.1 | S |
| 168.525 | 0.0000 | 0.0000 | 84.602 | 0.05174 | 0.00000 | 316523.1 | 209521.1 | 100632.1 | S |
| 168.533 | 0.0000 | 0.0000 | 84.602 | 0.05174 | 0.00000 | 316523.1 | 209522.7 | 100632.1 | S |
| 168.542 | 0.0000 | 0.0000 | 84.602 | 0.05173 | 0.00000 | 316523.1 | 209524.3 | 100632.1 | S |
| 168.550 | 0.0000 | 0.0000 | 84.602 | 0.05173 | 0.00000 | 316523.1 | 209525.8 | 100632.1 | S |
| 168.558 | 0.0000 | 0.0000 | 84.602 | 0.05172 | 0.00000 | 316523.1 | 209527.4 | 100632.1 | S |
| 168.567 | 0.0000 | 0.0000 | 84.601 | 0.05172 | 0.00000 | 316523.1 | 209528.9 | 100632.1 | S |
| 168.575 | 0.0000 | 0.0000 | 84.601 | 0.05171 | 0.00000 | 316523.1 | 209530.5 | 100632.1 | S |
| 168.583 | 0.0000 | 0.0000 | 84.601 | 0.05171 | 0.00000 | 316523.1 | 209532.0 | 100632.1 | S |
| 168.592 | 0.0000 | 0.0000 | 84.601 | 0.05170 | 0.00000 | 316523.1 | 209533.6 | 100632.1 | S |
| 168.600 | 0.0000 | 0.0000 | 84.601 | 0.05170 | 0.00000 | 316523.1 | 209535.1 | 100632.1 | S |
| 168.608 | 0.0000 | 0.0000 | 84.601 | 0.05169 | 0.00000 | 316523.1 | 209536.7 | 100632.1 | S |
| 168.617 | 0.0000 | 0.0000 | 84.601 | 0.05169 | 0.00000 | 316523.1 | 209538.2 | 100632.1 | S |
| 168.625 | 0.0000 | 0.0000 | 84.600 | 0.05169 | 0.00000 | 316523.1 | 209539.8 | 100632.1 | S |
| 168.633 | 0.0000 | 0.0000 | 84.600 | 0.05168 | 0.00000 | 316523.1 | 209541.3 | 100632.1 | S |
| 168.642 | 0.0000 | 0.0000 | 84.600 | 0.05168 | 0.00000 | 316523.1 | 209542.9 | 100632.1 | S |
| 168.650 | 0.0000 | 0.0000 | 84.600 | 0.05167 | 0.00000 | 316523.1 | 209544.4 | 100632.1 | S |
| 168.658 | 0.0000 | 0.0000 | 84.600 | 0.05167 | 0.00000 | 316523.1 | 209546.0 | 100632.1 | S |
| 168.667 | 0.0000 | 0.0000 | 84.600 | 0.05166 | 0.00000 | 316523.1 | 209547.5 | 100632.1 | S |
| 168.675 | 0.0000 | 0.0000 | 84.600 | 0.05166 | 0.00000 | 316523.1 | 209549.1 | 100632.1 | S |
| 168.683 | 0.0000 | 0.0000 | 84.600 | 0.05165 | 0.00000 | 316523.1 | 209550.6 | 100632.1 | S |
| 168.692 | 0.0000 | 0.0000 | 84.599 | 0.05165 | 0.00000 | 316523.1 | 209552.2 | 100632.1 | S |
| 168.700 | 0.0000 | 0.0000 | 84.599 | 0.05164 | 0.00000 | 316523.1 | 209553.7 | 100632.1 | S |
| 168.708 | 0.0000 | 0.0000 | 84.599 | 0.05164 | 0.00000 | 316523.1 | 209555.3 | 100632.1 | S |
| 168.717 | 0.0000 | 0.0000 | 84.599 | 0.05164 | 0.00000 | 316523.1 | 209556.8 | 100632.1 | S |
| 168.725 | 0.0000 | 0.0000 | 84.599 | 0.05163 | 0.00000 | 316523.1 | 209558.4 | 100632.1 | S |
| 168.733 | 0.0000 | 0.0000 | 84.599 | 0.05163 | 0.00000 | 316523.1 | 209559.9 | 100632.1 | S |
| 168.742 | 0.0000 | 0.0000 | 84.599 | 0.05162 | 0.00000 | 316523.1 | 209561.5 | 100632.1 | S |
| 168.750 | 0.0000 | 0.0000 | 84.598 | 0.05162 | 0.00000 | 316523.1 | 209563.0 | 100632.1 | S |
| 168.758 | 0.0000 | 0.0000 | 84.598 | 0.05161 | 0.00000 | 316523.1 | 209564.5 | 100632.1 | S |
| 168.767 | 0.0000 | 0.0000 | 84.598 | 0.05161 | 0.00000 | 316523.1 | 209566.1 | 100632.1 | S |
| 168.775 | 0.0000 | 0.0000 | 84.598 | 0.05160 | 0.00000 | 316523.1 | 209567.7 | 100632.1 | S |
| 168.783 | 0.0000 | 0.0000 | 84.598 | 0.05160 | 0.00000 | 316523.1 | 209569.2 | 100632.1 | S |
| 168.792 | 0.0000 | 0.0000 | 84.598 | 0.05159 | 0.00000 | 316523.1 | 209570.8 | 100632.1 | S |
| 168.800 | 0.0000 | 0.0000 | 84.598 | 0.05159 | 0.00000 | 316523.1 | 209572.3 | 100632.1 | S |
| 168.808 | 0.0000 | 0.0000 | 84.598 | 0.05158 | 0.00000 | 316523.1 | 209573.8 | 100632.1 | S |
| 168.817 | 0.0000 | 0.0000 | 84.597 | 0.05158 | 0.00000 | 316523.1 | 209575.4 | 100632.1 | S |
| 168.825 | 0.0000 | 0.0000 | 84.597 | 0.05158 | 0.00000 | 316523.1 | 209576.9 | 100632.1 | S |
| 168.833 | 0.0000 | 0.0000 | 84.597 | 0.05157 | 0.00000 | 316523.1 | 209578.5 | 100632.1 | S |
| 168.842 | 0.0000 | 0.0000 | 84.597 | 0.05157 | 0.00000 | 316523.1 | 209580.0 | 100632.1 | S |
| 168.850 | 0.0000 | 0.0000 | 84.597 | 0.05156 | 0.00000 | 316523.1 | 209581.6 | 100632.1 | S |
| 168.858 | 0.0000 | 0.0000 | 84.597 | 0.05156 | 0.00000 | 316523.1 | 209583.1 | 100632.1 | S |
| 168.867 | 0.0000 | 0.0000 | 84.597 | 0.05155 | 0.00000 | 316523.1 | 209584.7 | 100632.1 | S |
| 168.875 | 0.0000 | 0.0000 | 84.597 | 0.05155 | 0.00000 | 316523.1 | 209586.2 | 100632.1 | S |
| 168.883 | 0.0000 | 0.0000 | 84.596 | 0.05154 | 0.00000 | 316523.1 | 209587.8 | 100632.1 | S |
| 168.892 | 0.0000 | 0.0000 | 84.596 | 0.05154 | 0.00000 | 316523.1 | 209589.3 | 100632.1 | S |
| 168.900 | 0.0000 | 0.0000 | 84.596 | 0.05153 | 0.00000 | 316523.1 | 209590.9 | 100632.1 | S |
| 168.908 | 0.0000 | 0.0000 | 84.596 | 0.05153 | 0.00000 | 316523.1 | 209592.4 | 100632.1 | S |
| 168.917 | 0.0000 | 0.0000 | 84.596 | 0.05153 | 0.00000 | 316523.1 | 209594.0 | 100632.1 | S |
| 168.925 | 0.0000 | 0.0000 | 84.596 | 0.05152 | 0.00000 | 316523.1 | 209595.5 | 100632.1 | S |
| 168.933 | 0.0000 | 0.0000 | 84.596 | 0.05152 | 0.00000 | 316523.1 | 209597.0 | 100632.1 | S |
| 168.942 | 0.0000 | 0.0000 | 84.595 | 0.05151 | 0.00000 | 316523.1 | 209598.6 | 100632.1 | S |
| 168.950 | 0.0000 | 0.0000 | 84.595 | 0.05151 | 0.00000 | 316523.1 | 209600.1 | 100632.1 | S |
| 168.958 | 0.0000 | 0.0000 | 84.595 | 0.05150 | 0.00000 | 316523.1 | 209601.7 | 100632.8 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 168.967 | 0.0000 | 0.0000 | 84.595 | 0.05150 | 0.00000 | 316523.1 | 209603.2 | 100632.1 | S |
| 168.975 | 0.0000 | 0.0000 | 84.595 | 0.05149 | 0.00000 | 316523.1 | 209604.8 | 100632.1 | S |
| 168.983 | 0.0000 | 0.0000 | 84.595 | 0.05149 | 0.00000 | 316523.1 | 209606.3 | 100632.1 | S |
| 168.992 | 0.0000 | 0.0000 | 84.595 | 0.05148 | 0.00000 | 316523.1 | 209607.9 | 100632.1 | S |
| 169.000 | 0.0000 | 0.0000 | 84.595 | 0.05148 | 0.00000 | 316523.1 | 209609.4 | 100632.1 | S |
| 169.008 | 0.0000 | 0.0000 | 84.594 | 0.05147 | 0.00000 | 316523.1 | 209610.9 | 100632.1 | S |
| 169.017 | 0.0000 | 0.0000 | 84.594 | 0.05147 | 0.00000 | 316523.1 | 209612.5 | 100632.1 | S |
| 169.025 | 0.0000 | 0.0000 | 84.594 | 0.05147 | 0.00000 | 316523.1 | 209614.0 | 100632.1 | S |
| 169.033 | 0.0000 | 0.0000 | 84.594 | 0.05146 | 0.00000 | 316523.1 | 209615.6 | 100632.1 | S |
| 169.042 | 0.0000 | 0.0000 | 84.594 | 0.05146 | 0.00000 | 316523.1 | 209617.1 | 100632.1 | S |
| 169.050 | 0.0000 | 0.0000 | 84.594 | 0.05145 | 0.00000 | 316523.1 | 209618.7 | 100632.1 | S |
| 169.058 | 0.0000 | 0.0000 | 84.594 | 0.05145 | 0.00000 | 316523.1 | 209620.2 | 100632.1 | S |
| 169.067 | 0.0000 | 0.0000 | 84.594 | 0.05144 | 0.00000 | 316523.1 | 209621.8 | 100632.1 | S |
| 169.075 | 0.0000 | 0.0000 | 84.593 | 0.05144 | 0.00000 | 316523.1 | 209623.3 | 100632.1 | S |
| 169.083 | 0.0000 | 0.0000 | 84.593 | 0.05143 | 0.00000 | 316523.1 | 209624.8 | 100632.1 | S |
| 169.092 | 0.0000 | 0.0000 | 84.593 | 0.05143 | 0.00000 | 316523.1 | 209626.4 | 100632.1 | S |
| 169.100 | 0.0000 | 0.0000 | 84.593 | 0.05142 | 0.00000 | 316523.1 | 209627.9 | 100632.1 | S |
| 169.108 | 0.0000 | 0.0000 | 84.593 | 0.05142 | 0.00000 | 316523.1 | 209629.5 | 100632.1 | S |
| 169.117 | 0.0000 | 0.0000 | 84.593 | 0.05142 | 0.00000 | 316523.1 | 209631.0 | 100632.1 | S |
| 169.125 | 0.0000 | 0.0000 | 84.593 | 0.05141 | 0.00000 | 316523.1 | 209632.5 | 100632.1 | S |
| 169.133 | 0.0000 | 0.0000 | 84.592 | 0.05141 | 0.00000 | 316523.1 | 209634.1 | 100632.1 | S |
| 169.142 | 0.0000 | 0.0000 | 84.592 | 0.05140 | 0.00000 | 316523.1 | 209635.6 | 100632.1 | S |
| 169.150 | 0.0000 | 0.0000 | 84.592 | 0.05140 | 0.00000 | 316523.1 | 209637.2 | 100632.1 | S |
| 169.158 | 0.0000 | 0.0000 | 84.592 | 0.05139 | 0.00000 | 316523.1 | 209638.7 | 100632.1 | S |
| 169.167 | 0.0000 | 0.0000 | 84.592 | 0.05139 | 0.00000 | 316523.1 | 209640.3 | 100632.1 | S |
| 169.175 | 0.0000 | 0.0000 | 84.592 | 0.05138 | 0.00000 | 316523.1 | 209641.8 | 100632.1 | S |
| 169.183 | 0.0000 | 0.0000 | 84.592 | 0.05138 | 0.00000 | 316523.1 | 209643.3 | 100632.1 | S |
| 169.192 | 0.0000 | 0.0000 | 84.592 | 0.05137 | 0.00000 | 316523.1 | 209644.9 | 100632.1 | S |
| 169.200 | 0.0000 | 0.0000 | 84.591 | 0.05137 | 0.00000 | 316523.1 | 209646.4 | 100632.7 | S |
| 169.208 | 0.0000 | 0.0000 | 84.591 | 0.05137 | 0.00000 | 316523.1 | 209648.0 | 100632.1 | S |
| 169.217 | 0.0000 | 0.0000 | 84.591 | 0.05136 | 0.00000 | 316523.1 | 209649.5 | 100632.1 | S |
| 169.225 | 0.0000 | 0.0000 | 84.591 | 0.05136 | 0.00000 | 316523.1 | 209651.0 | 100632.1 | S |
| 169.233 | 0.0000 | 0.0000 | 84.591 | 0.05135 | 0.00000 | 316523.1 | 209652.6 | 100632.1 | S |
| 169.242 | 0.0000 | 0.0000 | 84.591 | 0.05135 | 0.00000 | 316523.1 | 209654.1 | 100632.1 | S |
| 169.250 | 0.0000 | 0.0000 | 84.591 | 0.05134 | 0.00000 | 316523.1 | 209655.7 | 100632.1 | S |
| 169.258 | 0.0000 | 0.0000 | 84.590 | 0.05134 | 0.00000 | 316523.1 | 209657.2 | 100632.1 | S |
| 169.267 | 0.0000 | 0.0000 | 84.590 | 0.05133 | 0.00000 | 316523.1 | 209658.8 | 100632.1 | S |
| 169.275 | 0.0000 | 0.0000 | 84.590 | 0.05133 | 0.00000 | 316523.1 | 209660.3 | 100632.1 | S |
| 169.283 | 0.0000 | 0.0000 | 84.590 | 0.05132 | 0.00000 | 316523.1 | 209661.8 | 100632.1 | S |
| 169.292 | 0.0000 | 0.0000 | 84.590 | 0.05132 | 0.00000 | 316523.1 | 209663.4 | 100632.1 | S |
| 169.300 | 0.0000 | 0.0000 | 84.590 | 0.05132 | 0.00000 | 316523.1 | 209664.9 | 100632.1 | S |
| 169.308 | 0.0000 | 0.0000 | 84.590 | 0.05131 | 0.00000 | 316523.1 | 209666.5 | 100632.1 | S |
| 169.317 | 0.0000 | 0.0000 | 84.590 | 0.05131 | 0.00000 | 316523.1 | 209668.0 | 100632.1 | S |
| 169.325 | 0.0000 | 0.0000 | 84.589 | 0.05130 | 0.00000 | 316523.1 | 209669.5 | 100632.1 | S |
| 169.333 | 0.0000 | 0.0000 | 84.589 | 0.05130 | 0.00000 | 316523.1 | 209671.1 | 100632.1 | S |
| 169.342 | 0.0000 | 0.0000 | 84.589 | 0.05129 | 0.00000 | 316523.1 | 209672.6 | 100632.1 | S |
| 169.350 | 0.0000 | 0.0000 | 84.589 | 0.05129 | 0.00000 | 316523.1 | 209674.1 | 100632.1 | S |
| 169.358 | 0.0000 | 0.0000 | 84.589 | 0.05128 | 0.00000 | 316523.1 | 209675.7 | 100632.1 | S |
| 169.367 | 0.0000 | 0.0000 | 84.589 | 0.05128 | 0.00000 | 316523.1 | 209677.2 | 100632.1 | S |
| 169.375 | 0.0000 | 0.0000 | 84.589 | 0.05127 | 0.00000 | 316523.1 | 209678.8 | 100632.1 | S |
| 169.383 | 0.0000 | 0.0000 | 84.589 | 0.05127 | 0.00000 | 316523.1 | 209680.3 | 100632.1 | S |
| 169.392 | 0.0000 | 0.0000 | 84.588 | 0.05127 | 0.00000 | 316523.1 | 209681.8 | 100632.1 | S |
| 169.400 | 0.0000 | 0.0000 | 84.588 | 0.05126 | 0.00000 | 316523.1 | 209683.4 | 100632.1 | S |
| 169.408 | 0.0000 | 0.0000 | 84.588 | 0.05126 | 0.00000 | 316523.1 | 209684.9 | 100632.1 | S |
| 169.417 | 0.0000 | 0.0000 | 84.588 | 0.05125 | 0.00000 | 316523.1 | 209686.5 | 100632.1 | S |
| 169.425 | 0.0000 | 0.0000 | 84.588 | 0.05125 | 0.00000 | 316523.1 | 209688.0 | 100632.1 | S |
| 169.433 | 0.0000 | 0.0000 | 84.588 | 0.05124 | 0.00000 | 316523.1 | 209689.5 | 100632.1 | S |
| 169.442 | 0.0000 | 0.0000 | 84.588 | 0.05124 | 0.00000 | 316523.1 | 209691.1 | 100632.1 | S |
| 169.450 | 0.0000 | 0.0000 | 84.587 | 0.05123 | 0.00000 | 316523.1 | 209692.6 | 100632.1 | S |
| 169.458 | 0.0000 | 0.0000 | 84.587 | 0.05123 | 0.00000 | 316523.1 | 209694.1 | 100632.1 | S |
| 169.467 | 0.0000 | 0.0000 | 84.587 | 0.05122 | 0.00000 | 316523.1 | 209695.7 | 100632.1 | S |
| 169.475 | 0.0000 | 0.0000 | 84.587 | 0.05122 | 0.00000 | 316523.1 | 209697.2 | 100632.1 | S |
| 169.483 | 0.0000 | 0.0000 | 84.587 | 0.05122 | 0.00000 | 316523.1 | 209698.8 | 100632.1 | S |
| 169.492 | 0.0000 | 0.0000 | 84.587 | 0.05121 | 0.00000 | 316523.1 | 209700.3 | 100632.1 | S |
| 169.500 | 0.0000 | 0.0000 | 84.587 | 0.05121 | 0.00000 | 316523.1 | 209701.8 | 100632.1 | S |
| 169.508 | 0.0000 | 0.0000 | 84.587 | 0.05120 | 0.00000 | 316523.1 | 209703.3 | 100632.1 | S |
| 169.517 | 0.0000 | 0.0000 | 84.586 | 0.05120 | 0.00000 | 316523.1 | 209704.9 | 100632.1 | S |
| 169.525 | 0.0000 | 0.0000 | 84.586 | 0.05119 | 0.00000 | 316523.1 | 209706.4 | 100632.1 | S |
| 169.533 | 0.0000 | 0.0000 | 84.586 | 0.05119 | 0.00000 | 316523.1 | 209708.0 | 100632.1 | S |
| 169.542 | 0.0000 | 0.0000 | 84.586 | 0.05118 | 0.00000 | 316523.1 | 209709.5 | 100632.1 | S |
| 169.550 | 0.0000 | 0.0000 | 84.586 | 0.05118 | 0.00000 | 316523.1 | 209711.0 | 100632.1 | S |
| 169.558 | 0.0000 | 0.0000 | 84.586 | 0.05117 | 0.00000 | 316523.1 | 209712.6 | 100632.1 | S |
| 169.567 | 0.0000 | 0.0000 | 84.586 | 0.05117 | 0.00000 | 316523.1 | 209714.1 | 100632.1 | S |
| 169.575 | 0.0000 | 0.0000 | 84.586 | 0.05117 | 0.00000 | 316523.1 | 209715.6 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | Inflow Rate <br> ( $\mathrm{fl}^{3 / \mathrm{s}}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 /} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{fl}^{3} / \mathrm{S}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infillsation Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{h}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 169.583 | 0.0000 | 0.0000 | 84.585 | 0.05116 | 0.00000 | 316523.1 | 209717.2 | 100632.1 | S |
| 169.592 | 0.0000 | 0.0000 | 84.585 | 0.05116 | 0.00000 | 316523.1 | 209718.7 | 100632.1 | S |
| 169.600 | 0.0000 | 0.0000 | 84.585 | 0.05115 | 0.00000 | 316523.1 | 209720.2 | 100632.1 | S |
| 169.608 | 0.0000 | 0.0000 | 84.585 | 0.05115 | 0.00000 | 316523.1 | 209721.8 | 100632.1 | S |
| 169.617 | 0.0000 | 0.0000 | 84.585 | 0.05114 | 0.00000 | 316523.1 | 209723.3 | 100632.1 | S |
| 169.625 | 0.0000 | 0.0000 | 84.585 | 0.05114 | 0.00000 | 316523.1 | 209724.8 | 100632.1 | S |
| 169.633 | 0.0000 | 0.0000 | 84.585 | 0.05113 | 0.00000 | 316523.1 | 209726.4 | 100632.1 | S |
| 169.642 | 0.0000 | 0.0000 | 84.584 | 0.05113 | 0.00000 | 316523.1 | 209727.9 | 100632.1 | S |
| 169.650 | 0.0000 | 0.0000 | 84.584 | 0.05112 | 0.00000 | 316523.1 | 209729.4 | 100632.1 | S |
| 169.658 | 0.0000 | 0.0000 | 84.584 | 0.05112 | 0.00000 | 316523.1 | 209731.0 | 100632.1 | S |
| 169.667 | 0.0000 | 0.0000 | 84.584 | 0.05112 | 0.00000 | 316523.1 | 209732.5 | 100632.1 | S |
| 169.675 | 0.0000 | 0.0000 | 84.584 | 0.05111 | 0.00000 | 316523.1 | 209734.0 | 100632.1 | S |
| 169.683 | 0.0000 | 0.0000 | 84.584 | 0.05111 | 0.00000 | 316523.1 | 209735.6 | 100632.1 | S |
| 169.692 | 0.0000 | 0.0000 | 84.584 | 0.05110 | 0.00000 | 316523.1 | 209737.1 | 100632.1 | S |
| 169.700 | 0.0000 | 0.0000 | 84.584 | 0.05110 | 0.00000 | 316523.1 | 209738.6 | 100632.1 | S |
| 169.708 | 0.0000 | 0.0000 | 84.583 | 0.05109 | 0.00000 | 316523.1 | 209740.2 | 100632.1 | S |
| 169.717 | 0.0000 | 0.0000 | 84.583 | 0.05109 | 0.00000 | 316523.1 | 209741.7 | 100632.1 | S |
| 169.725 | 0.0000 | 0.0000 | 84.583 | 0.05108 | 0.00000 | 316523.1 | 209743.3 | 100632.1 | S |
| 169.733 | 0.0000 | 0.0000 | 84.583 | 0.05108 | 0.00000 | 316523.1 | 209744.8 | 100632.1 | S |
| 169.742 | 0.0000 | 0.0000 | 84.583 | 0.05107 | 0.00000 | 316523.1 | 209746.3 | 100632.1 | S |
| 169.750 | 0.0000 | 0.0000 | 84.583 | 0.05107 | 0.00000 | 316523.1 | 209747.8 | 100632.1 | S |
| 169.758 | 0.0000 | 0.0000 | 84.583 | 0.05107 | 0.00000 | 316523.1 | 209749.4 | 100632.1 | S |
| 169.767 | 0.0000 | 0.0000 | 84.583 | 0.05106 | 0.00000 | 316523.1 | 209750.9 | 100632.1 | S |
| 169.775 | 0.0000 | 0.0000 | 84.582 | 0.05106 | 0.00000 | 316523.1 | 209752.4 | 100632.1 | S |
| 169.783 | 0.0000 | 0.0000 | 84.582 | 0.05105 | 0.00000 | 316523.1 | 209754.0 | 100632.1 | S |
| 169.792 | 0.0000 | 0.0000 | 84.582 | 0.05105 | 0.00000 | 316523.1 | 209755.5 | 100632.1 | S |
| 169.800 | 0.0000 | 0.0000 | 84.582 | 0.05104 | 0.00000 | 316523.1 | 209757.0 | 100632.1 | S |
| 169.808 | 0.0000 | 0.0000 | 84.582 | 0.05104 | 0.00000 | 316523.1 | 209758.6 | 100632.1 | S |
| 169.817 | 0.0000 | 0.0000 | 84.582 | 0.05103 | 0.00000 | 316523.1 | 209760.1 | 100632.1 | S |
| 169.825 | 0.0000 | 0.0000 | 84.582 | 0.05103 | 0.00000 | 316523.1 | 209761.6 | 100632.1 | S |
| 169.833 | 0.0000 | 0.0000 | 84.581 | 0.05102 | 0.00000 | 316523.1 | 209763.2 | 100632.1 | S |
| 169.842 | 0.0000 | 0.0000 | 84.581 | 0.05102 | 0.00000 | 316523.1 | 209764.7 | 100632.1 | S |
| 169.850 | 0.0000 | 0.0000 | 84.581 | 0.05102 | 0.00000 | 316523.1 | 209766.2 | 100632.1 | S |
| 169.858 | 0.0000 | 0.0000 | 84.581 | 0.05101 | 0.00000 | 316523.1 | 209767.8 | 100632.1 | S |
| 169.867 | 0.0000 | 0.0000 | 84.581 | 0.05101 | 0.00000 | 316523.1 | 209769.3 | 100632.1 | S |
| 169.875 | 0.0000 | 0.0000 | 84.581 | 0.05100 | 0.00000 | 316523.1 | 209770.8 | 100632.1 | S |
| 169.883 | 0.0000 | 0.0000 | 84.581 | 0.05100 | 0.00000 | 316523.1 | 209772.3 | 100632.1 | S |
| 169.892 | 0.0000 | 0.0000 | 84.581 | 0.05099 | 0.00000 | 316523.1 | 209773.9 | 100632.1 | S |
| 169.900 | 0.0000 | 0.0000 | 84.580 | 0.05099 | 0.00000 | 316523.1 | 209775.4 | 100632.1 | S |
| 169.908 | 0.0000 | 0.0000 | 84.580 | 0.05098 | 0.00000 | 316523.1 | 209776.9 | 100632.1 | S |
| 169.917 | 0.0000 | 0.0000 | 84.580 | 0.05098 | 0.00000 | 316523.1 | 209778.5 | 100632.1 | S |
| 169.925 | 0.0000 | 0.0000 | 84.580 | 0.05098 | 0.00000 | 316523.1 | 209780.0 | 100632.1 | S |
| 169.933 | 0.0000 | 0.0000 | 84.580 | 0.05097 | 0.00000 | 316523.1 | 209781.5 | 100632.1 | S |
| 169.942 | 0.0000 | 0.0000 | 84.580 | 0.05097 | 0.00000 | 316523.1 | 209783.0 | 100632.1 | S |
| 169.950 | 0.0000 | 0.0000 | 84.580 | 0.05096 | 0.00000 | 316523.1 | 209784.6 | 100632.1 | S |
| 169.958 | 0.0000 | 0.0000 | 84.580 | 0.05096 | 0.00000 | 316523.1 | 209786.1 | 100632.1 | S |
| 169.967 | 0.0000 | 0.0000 | 84.579 | 0.05095 | 0.00000 | 316523.1 | 209787.6 | 100632.1 | S |
| 169.975 | 0.0000 | 0.0000 | 84.579 | 0.05095 | 0.00000 | 316523.1 | 209789.2 | 100632.1 | S |
| 169.983 | 0.0000 | 0.0000 | 84.579 | 0.05094 | 0.00000 | 316523.1 | 209790.7 | 100632.1 | S |
| 169.992 | 0.0000 | 0.0000 | 84.579 | 0.05094 | 0.00000 | 316523.1 | 209792.2 | 100632.1 | S |
| 170.000 | 0.0000 | 0.0000 | 84.579 | 0.05093 | 0.00000 | 316523.1 | 209793.7 | 100632.1 | S |
| 170.008 | 0.0000 | 0.0000 | 84.579 | 0.05093 | 0.00000 | 316523.1 | 209795.3 | 100632.1 | S |
| 170.017 | 0.0000 | 0.0000 | 84.579 | 0.05093 | 0.00000 | 316523.1 | 209796.8 | 100632.1 | S |
| 170.025 | 0.0000 | 0.0000 | 84.578 | 0.05092 | 0.00000 | $3 \uparrow 6523.1$ | 209798.3 | 100632.1 | S |
| 170.033 | 0.0000 | 0.0000 | 84.578 | 0.05092 | 0.00000 | 316523.1 | 209799.9 | 100632.1 | S |
| 170.042 | 0.0000 | 0.0000 | 84.578 | 0.05091 | 0.00000 | 316523.1 | 209801.4 | 100632.1 | S |
| 170.050 | 0.0000 | 0.0000 | 84.578 | 0.05091 | 0.00000 | 316523.1 | 209802.9 | 100632.1 | S |
| 170.058 | 0.0000 | 0.0000 | 84.578 | 0.05090 | 0.00000 | 316523.1 | 209804.4 | 100632.1 | S |
| 170.067 | 0.0000 | 0.0000 | 84.578 | 0.05090 | 0.00000 | 316523.1 | 209806.0 | 100632.1 | S |
| 170.075 | 0.0000 | 0.0000 | 84.578 | 0.05089 | 0.00000 | 316523.1 | 209807.5 | 100632.1 | S |
| 170.083 | 0.0000 | 0.0000 | 84.578 | 0.05089 | 0.00000 | 316523.1 | 209809.0 | 100632.1 | S |
| 170.092 | 0.0000 | 0.0000 | 84.577 | 0.05088 | 0.00000 | 316523.1 | 209810.5 | 100632.1 | S |
| 170.100 | 0.0000 | 0.0000 | 84.577 | 0.05088 | 0.00000 | 316523.1 | 209812.1 | 100632.1 | S |
| 170.108 | 0.0000 | 0.0000 | 84.577 | 0.05088 | 0.00000 | 316523.1 | 209813.6 | 100632.1 | S |
| 170.117 | 0.0000 | 0.0000 | 84.577 | 0.05087 | 0.00000 | 316523.1 | 209815.1 | 100632.1 | S |
| 170.125 | 0.0000 | 0.0000 | 84.577 | 0.05087 | 0.00000 | 316523.1 | 209816.6 | 100632.1 | S |
| 170.133 | 0.0000 | 0.0000 | 84.577 | 0.05086 | 0.00000 | 316523.1 | 209818.2 | 100632.1 | S |
| 170.142 | 0.0000 | 0.0000 | 84.577 | 0.05086 | 0.00000 | 316523.1 | 209819.7 | 100632.1 | S |
| 170.150 | 0.0000 | 0.0000 | 84.576 | 0.05085 | 0.00000 | 316523.1 | 209821.2 | 100632.1 | S |
| 170.158 | 0.0000 | 0.0000 | 84.576 | 0.05085 | 0.00000 | 316523.1 | 209822.8 | 100632.1 | S |
| 170.167 | 0.0000 | 0.0000 | 84.576 | 0.05084 | 0.00000 | 316523.1 | 209824.3 | 100632.1 | S |
| 170.175 | 0.0000 | 0.0000 | 84.576 | 0.05084 | 0.00000 | 316523.1 | 209825.8 | 100632.1 | S |
| 170.183 | 0.0000 | 0.0000 | 84.576 | 0.05084 | 0.00000 | 316523.1 | 209827.3 | 100632.1 | S |
| 170.$\} 92$ | 0.0000 | 0.0000 | 84.576 | 0.05083 | 0.00000 | 316523.1 | 209828.8 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (H/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / 5}$ ) | Cumulative Inflow Volume $\left(\mathrm{ft}^{3}\right)$ | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 170.200 | 0.0000 | 0.0000 | 84.576 | 0.05083 | 0.00000 | 316523.1 | 209830.4 | 100632.1 | \$ |
| 170.208 | 0.0000 | 0.0000 | 84.576 | 0.05082 | 0.00000 | 316523.1 | 209831.9 | 100632.1 | S |
| 170.217 | 0.0000 | 0.0000 | 84.575 | 0.05082 | 0.00000 | 316523.1 | 209833.4 | 100632.1 | S |
| 170.225 | 0.0000 | 0.0000 | 84.575 | 0.05081 | 0.00000 | 316523.1 | 209835.0 | 100632.1 | S |
| 170.233 | 0.0000 | 0.0000 | 84.575 | 0.05081 | 0.00000 | 316523.1 | 209836.5 | 100632.1 | S |
| 170.242 | 0.0000 | 0.0000 | 84.575 | 0.05080 | 0.00000 | 316523.1 | 209838.0 | 100632.1 | S |
| 170.250 | 0.0000 | 0.0000 | 84.575 | 0.05080 | 0.00000 | 316523.1 | 209839.5 | 100632.1 | S |
| 170.258 | 0.0000 | 0.0000 | 84.575 | 0.05079 | 0.00000 | 316523.1 | 209841.0 | 100632.1 | S |
| 170.267 | 0.0000 | 0.0000 | 84.575 | 0.05079 | 0.00000 | 316523.1 | 209842.6 | 100632.1 | S |
| 170.275 | 0.0000 | 0.0000 | 84.575 | 0.05079 | 0.00000 | 316523.1 | 209844.1 | 100632.1 | S |
| 170.283 | 0.0000 | 0.0000 | 84.574 | 0.05078 | 0.00000 | 316523.1 | 209845.6 | 100632.1 | S |
| 170.292 | 0.0000 | 0.0000 | 84.574 | 0.05078 | 0.00000 | 316523.1 | 209847.1 | 100632.1 | S |
| 170.300 | 0.0000 | 0.0000 | 84.574 | 0.05077 | 0.00000 | 316523.1 | 209848.7 | 100632.1 | S |
| 170.308 | 0.0000 | 0.0000 | 84.574 | 0.05077 | 0.00000 | 316523.1 | 209850.2 | 100632.1 | S |
| 170.317 | 0.0000 | 0.0000 | 84.574 | 0.05076 | 0.00000 | 316523.1 | 209851.7 | 100632.1 | S |
| 170.325 | 0.0000 | 0.0000 | 84.574 | 0.05076 | 0.00000 | 316523.1 | 209853.2 | 100632.1 | S |
| 170.333 | 0.0000 | 0.0000 | 84.574 | 0.05075 | 0.00000 | 316523.1 | 209854.8 | 100632.1 | S |
| 170.342 | 0.0000 | 0.0000 | 84.573 | 0.05075 | 0.00000 | 316523.1 | 209856.3 | 100632.1 | S |
| 170.350 | 0.0000 | 0.0000 | 84.573 | 0.05075 | 0.00000 | 316523.1 | 209857.8 | 100632.1 | S |
| 170.358 | 0.0000 | 0.0000 | 84.573 | 0.05074 | 0.00000 | 316523.1 | 209859.3 | 100632.1 | S |
| 170.367 | 0.0000 | 0.0000 | 84.573 | 0.05074 | 0.00000 | 316523.1 | 209860.8 | 100632.1 | S |
| 170.375 | 0.0000 | 0.0000 | 84.573 | 0.05073 | 0.00000 | 316523.1 | 209862.4 | 100632.1 | S |
| 170.383 | 0.0000 | 0.0000 | 84.573 | 0.05073 | 0.00000 | 316523.1 | 209863.9 | 100632.1 | S |
| 170.392 | 0.0000 | 0.0000 | 84.573 | 0.05072 | 0.00000 | 316523.1 | 209865.4 | 100632.1 | S |
| 170.400 | 0.0000 | 0.0000 | 84.573 | 0.05072 | 0.00000 | 316523.1 | 209866.9 | 100632.1 | S |
| 170.408 | 0.0000 | 0.0000 | 84.572 | 0.05071 | 0.00000 | 316523.1 | 209868.5 | 100632.1 | S |
| 170.417 | 0.0000 | 0.0000 | 84.572 | 0.05071 | 0.00000 | 316523.1 | 209870.0 | 100632.1 | S |
| 170.425 | 0.0000 | 0.0000 | 84.572 | 0.05070 | 0.00000 | 316523.1 | 209871.5 | 100632.1 | S |
| 170.433 | 0.0000 | 0.0000 | 84.572 | 0.05070 | 0.00000 | 316523.1 | 209873.0 | 100632.1 | S |
| 170.442 | 0.0000 | 0.0000 | 84.572 | 0.05070 | 0.00000 | 316523.1 | 209874.5 | 100632.1 | S |
| 170.450 | 0.0000 | 0.0000 | 84.572 | 0.05069 | 0.00000 | 316523.1 | 209876.1 | 100632.1 | S |
| 170.458 | 0.0000 | 0.0000 | 84.572 | 0.05069 | 0.00000 | 316523.1 | 209877.6 | 100632.1 | S |
| 170.467 | 0.0000 | 0.0000 | 84.572 | 0.05068 | 0.00000 | 316523.1 | 209879.1 | 100632.1 | S |
| 170.475 | 0.0000 | 0.0000 | 84.571 | 0.05068 | 0.00000 | 316523.1 | 209880.6 | 100632.1 | S |
| 170.483 | 0.0000 | 0.0000 | 84.571 | 0.05067 | 0.00000 | 316523.1 | 209882.1 | 100632.1 | S |
| 170.492 | 0.0000 | 0.0000 | 84.571 | 0.05067 | 0.00000 | 316523.1 | 209883.7 | 100632.1 | S |
| 170.500 | 0.0000 | 0.0000 | 84.571 | 0.05066 | 0.00000 | 316523.1 | 209885.2 | 100632.1 | S |
| 170.508 | 0.0000 | 0.0000 | 84.571 | 0.05066 | 0.00000 | 316523.1 | 209886.7 | 100632.1 | S |
| 170.517 | 0.0000 | 0.0000 | 84.571 | 0.05066 | 0.00000 | 316523.1 | 209888.2 | 100632.1 | S |
| 170.525 | 0.0000 | 0.0000 | 84.571 | 0.05065 | 0.00000 | 316523.1 | 209889.7 | 100632.1 | S |
| 170.533 | 0.0000 | 0.0000 | 84.571 | 0.05065 | 0.00000 | 316523.1 | 209891.3 | 100632.1 | S |
| 170.542 | 0.0000 | 0.0000 | 84.570 | 0.05064 | 0.00000 | 316523.1 | 209892.8 | 100632.1 | S |
| 170.550 | 0.0000 | 0.0000 | 84.570 | 0.05064 | 0.00000 | 316523.1 | 209894.3 | 100632.1 | S |
| 170.558 | 0.0000 | 0.0000 | 84.570 | 0.05063 | 0.00000 | 316523.1 | 209895.8 | 100632.1 | S |
| 170.567 | 0.0000 | 0.0000 | 84.570 | 0.05063 | 0.00000 | 316523.1 | 209897.3 | 100632.1 | S |
| 170.575 | 0.0000 | 0.0000 | 84.570 | 0.05062 | 0.00000 | 316523.1 | 209898.9 | 100632.1 | S |
| 170.583 | 0.0000 | 0.0000 | 84.570 | 0.05062 | 0.00000 | 316523.1 | 209900.4 | 100632.1 | S |
| 170.592 | 0.0000 | 0.0000 | 84.570 | 0.05062 | 0.00000 | 316523.1 | 209901.9 | 100632.1 | S |
| 170.600 | 0.0000 | 0.0000 | 84.569 | 0.05061 | 0.00000 | 316523.1 | 209903.4 | 100632.1 | S |
| 170.608 | 0.0000 | 0.0000 | 84.569 | 0.05061 | 0.00000 | 316523.1 | 209904.9 | 100632.1 | S |
| 170.617 | 0.0000 | 0.0000 | 84.569 | 0.05060 | 0.00000 | 316523.1 | 209906.5 | 100632.1 | S |
| 170.625 | 0.0000 | 0.0000 | 84.569 | 0.05060 | 0.00000 | 316523.1 | 209908.0 | 100632.1 | S |
| 170.633 | 0.0000 | 0.0000 | 84.569 | 0.05059 | 0.00000 | 316523.1 | 209909.5 | 100632.1 | S |
| 170.642 | 0.0000 | 0.0000 | 84.569 | 0.05059 | 0.00000 | 316523.1 | 209911.0 | 100632.1 | S |
| 170.650 | 0.0000 | 0.0000 | 84.569 | 0.05058 | 0.00000 | 316523.1 | 209912.5 | 100632.1 | S |
| 170.658 | 0.0000 | 0.0000 | 84.569 | 0.05058 | 0.00000 | 316523.1 | 209914.0 | 100632.1 | S |
| 170.667 | 0.0000 | 0.0000 | 84.568 | 0.05057 | 0.00000 | 316523.1 | 209915.5 | 100632.1 | S |
| 170.675 | 0.0000 | 0.0000 | 84.568 | 0.05057 | 0.00000 | 316523.1 | 209917.1 | 100632.1 | S |
| 170.683 | 0.0000 | 0.0000 | 84.568 | 0.05057 | 0.00000 | 316523.1 | 209918.6 | 100632.1 | S |
| 170.692 | 0.0000 | 0.0000 | 84.568 | 0.05056 | 0.00000 | 316523.1 | 209920.1 | 100632.1 | S |
| 170.700 | 0.0000 | 0.0000 | 84.568 | 0.05056 | 0.00000 | 316523.1 | 209921.6 | 100632.1 | S |
| 170.708 | 0.0000 | 0.0000 | 84.568 | 0.05055 | 0.00000 | 316523.1 | 209923.1 | 100632.1 | S |
| 170.717 | 0.0000 | 0.0000 | 84.568 | 0.05055 | 0.00000 | 316523.1 | 209924.7 | 100632.1 | S |
| 170.725 | 0.0000 | 0.0000 | 84.568 | 0.05054 | 0.00000 | 316523.1 | 209926.2 | 100632.1 | S |
| 170.733 | 0.0000 | 0.0000 | 84.567 | 0.05054 | 0.00000 | 316523.1 | 209927.7 | 100632.1 | S |
| 170.742 | 0.0000 | 0.0000 | 84.567 | 0.05053 | 0.00000 | 316523.1 | 209929.2 | 100632.1 | S |
| 170.750 | 0.0000 | 0.0000 | 84.567 | 0.05053 | 0.00000 | 316523.1 | 209930.7 | 100632.1 | S |
| 170.758 | 0.0000 | 0.0000 | 84.567 | 0.05053 | 0.00000 | 316523.1 | 209932.2 | 100632.1 | S |
| 170.767 | 0.0000 | 0.0000 | 84.567 | 0.05052 | 0.00000 | 316523.1 | 209933.8 | 100632.1 | S |
| 170.775 | 0.0000 | 0.0000 | 84.567 | 0.05052 | 0.00000 | 316523.1 | 209935.3 | 100632.1 | S |
| 170.783 | 0.0000 | 0.0000 | 84.567 | 0.05051 | 0.00000 | 316523.1 | 209936.8 | 100632.1 | S |
| 170.792 | 0.0000 | 0.0000 | 84.566 | 0.05051 | 0.00000 | 316523.1 | 209938.3 | 100632.1 | S |
| 170.800 | 0.0000 | 0.0000 | 84.566 | 0.05050 | 0.00000 | 316523.1 | 209939.8 | 100632.1 | S |
| 170.808 | 0.0000 | 0.0000 | 84.566 | 0.05050 | 0.00000 | 316523.1 | 209941.3 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / 5}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $f^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Cumulative Infow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\left(\mathrm{t}^{3}\right)$ | Fiow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 170.817 | 0.0000 | 0.0000 | 84.566 | 0.05049 | 0.00000 | 316523.1 | 209942.8 | 100632.1 | S |
| 170.825 | 0.0000 | 0.0000 | 84.566 | 0.05049 | 0.00000 | 316523.1 | 209944.4 | 100632.1 | S |
| 170.833 | 0.0000 | 0.0000 | 84.566 | 0.05049 | 0.00000 | 316523.1 | 209945.9 | 100632.1 | S |
| 170.842 | 0.0000 | 0.0000 | 84.566 | 0.05048 | 0.00000 | 316523.1 | 209947.4 | 100632.1 | S |
| 170.850 | 0.0000 | 0.0000 | 84.566 | 0.05048 | 0.00000 | 316523.1 | 209948.9 | 100632.1 | S |
| 170.858 | 0.0000 | 0.0000 | 84.565 | 0.05047 | 0.00000 | 316523.1 | 209950.4 | 100632.1 | S |
| 170.867 | 0.0000 | 0.0000 | 84.565 | 0.05047 | 0.00000 | 316523.1 | 209951.9 | 100632.1 | S |
| 170.875 | 0.0000 | 0.0000 | 84.565 | 0.05046 | 0.00000 | 316523.1 | 209953.4 | 100632.1 | S |
| 170.883 | 0.0000 | 0.0000 | 84.565 | 0.05046 | 0.00000 | 316523.1 | 209955.0 | 100632.1 | S |
| 170.892 | 0.0000 | 0.0000 | 84.565 | 0.05045 | 0.00000 | 316523.1 | 209956.5 | 100632.1 | S |
| 170.900 | 0.0000 | 0.0000 | 84.565 | 0.05045 | 0.00000 | 316523.1 | 209958.0 | 100632.1 | S |
| 170.908 | 0.0000 | 0.0000 | 84.565 | 0.05044 | 0.00000 | 316523.1 | 209959.5 | 100632.1 | S |
| 170.917 | 0.0000 | 0.0000 | 84.565 | 0.05044 | 0.00000 | 316523.1 | 209961.0 | 100632.1 | S |
| 170.925 | 0.0000 | 0.0000 | 84.564 | 0.05044 | 0.00000 | 316523.1 | 209962.5 | 100632.1 | S |
| 170.933 | 0.0000 | 0.0000 | 84.564 | 0.05043 | 0.00000 | 316523.1 | 209964.0 | 100632.1 | S |
| 170.942 | 0.0000 | 0.0000 | 84.564 | 0.05043 | 0.00000 | 316523.1 | 209965.5 | 100632.1 | S |
| 170.950 | 0.0000 | 0.0000 | 84.564 | 0.05042 | 0.00000 | 316523.1 | 209967.1 | 100632.1 | S |
| 170.958 | 0.0000 | 0.0000 | 84.564 | 0.05042 | 0.00000 | 316523.1 | 209968.6 | 100632.1 | S |
| 170.967 | 0.0000 | 0.0000 | 84.564 | 0.05041 | 0.00000 | 316523.1 | 209970.1 | 100632.1 | S |
| 170.975 | 0.0000 | 0.0000 | 84.564 | 0.05041 | 0.00000 | 316523.1 | 209971.6 | 100632.1 | S |
| 170.983 | 0.0000 | 0.0000 | 84.563 | 0.05040 | 0.00000 | 316523.1 | 209973.1 | 100632.1 | S |
| 170.992 | 0.0000 | 0.0000 | 84.563 | 0.05040 | 0.00000 | 316523.1 | 209974.6 | 100632.1 | S |
| 171.000 | 0.0000 | 0.0000 | 84.563 | 0.05040 | 0.00000 | 316523.1 | 209976.1 | 100632.1 | S |
| 171.008 | 0.0000 | 0.0000 | 84.563 | 0.05039 | 0.00000 | 316523.1 | 209977.6 | 100632.1 | S |
| 171.017 | 0.0000 | 0.0000 | 84.563 | 0.05039 | 0.00000 | 316523.1 | 209979.2 | 100632.1 | S |
| 171.025 | 0.0000 | 0.0000 | 84.563 | 0.05038 | 0.00000 | 316523.1 | 209980.7 | 100632.1 | S |
| 171.033 | 0.0000 | 0.0000 | 84.563 | 0.05038 | 0.00000 | 316523.1 | 209982.2 | 100632.1 | S |
| 171.042 | 0.0000 | 0.0000 | 84.563 | 0.05037 | 0.00000 | 316523.1 | 209983.7 | 100632.1 | S |
| 171.050 | 0.0000 | 0.0000 | 84.562 | 0.05037 | 0.00000 | 316523.1 | 209985.2 | 100632.1 | S |
| 171.058 | 0.0000 | 0.0000 | 84.562 | 0.05036 | 0.00000 | 316523.1 | 209986.7 | 100632.1 | S |
| 171.067 | 0.0000 | 0.0000 | 84.562 | 0.05036 | 0.00000 | 316523.1 | 209988.2 | 100632.1 | S |
| 171.075 | 0.0000 | 0.0000 | 84.562 | 0.05036 | 0.00000 | 316523.1 | 209989.7 | 100632.1 | S |
| 171.083 | 0.0000 | 0.0000 | 84.562 | 0.05035 | 0.00000 | 316523.1 | 209991.3 | 100632.1 | S |
| 171.092 | 0.0000 | 0.0000 | 84.562 | 0.05035 | 0.00000 | 316523.1 | 209992.8 | 100632.1 | S |
| 171.100 | 0.0000 | 0.0000 | 84.562 | 0.05034 | 0.00000 | 316523.1 | 209994.3 | 100632.1 | S |
| 171.108 | 0.0000 | 0.0000 | 84.562 | 0.05034 | 0.00000 | 316523.1 | 209995.8 | 100632.1 | S |
| 171.117 | 0.0000 | 0.0000 | 84.561 | 0.05033 | 0.00000 | 316523.1 | 209997.3 | 100632.1 | S |
| 171.125 | 0.0000 | 0.0000 | 84.561 | 0.05033 | 0.00000 | 316523.1 | 209998.8 | 100632.1 | S |
| 171.133 | 0.0000 | 0.0000 | 84.561 | 0.05032 | 0.00000 | 316523.1 | 210000.3 | 100632.1 | S |
| 171.142 | 0.0000 | 0.0000 | 84.561 | 0.05032 | 0.00000 | 316523.1 | 210001.8 | 100632.1 | S |
| 171.150 | 0.0000 | 0.0000 | 84.561 | 0.05032 | 0.00000 | 316523.1 | 210003.3 | 100632.1 | S |
| 171.158 | 0.0000 | 0.0000 | 84.561 | 0.05031 | 0.00000 | 316523.1 | 210004.8 | 100632.1 | S |
| 171.167 | 0.0000 | 0.0000 | 84.561 | 0.05031 | 0.00000 | 316523.1 | 210006.3 | 100632.1 | S |
| 171.175 | 0.0000 | 0.0000 | 84.560 | 0.05030 | 0.00000 | 316523.1 | 210007.9 | 100632.1 | S |
| 171.183 | 0.0000 | 0.0000 | 84.560 | 0.05030 | 0.00000 | 316523.1 | 210009.4 | 100632.1 | S |
| 171.192 | 0.0000 | 0.0000 | 84.560 | 0.05029 | 0.00000 | 316523.1 | 210010.9 | 100632.1 | S |
| 171.200 | 0.0000 | 0.0000 | 84.560 | 0.05029 | 0.00000 | 316523.1 | 210012.4 | 100632.1 | S |
| 171.208 | 0.0000 | 0.0000 | 84.560 | 0.05028 | 0.00000 | 316523.1 | 210013.9 | 100632.1 | S |
| 171.217 | 0.0000 | 0.0000 | 84.560 | 0.05028 | 0.00000 | 316523.1 | 210015.4 | 100632.1 | S |
| 171.225 | 0.0000 | 0.0000 | 84.560 | 0.05028 | 0.00000 | 316523.1 | 210016.9 | 100632.1 | S |
| 171.233 | 0.0000 | 0.0000 | 84.560 | 0.05027 | 0.00000 | 316523.1 | 210018.4 | 100632.1 | S |
| 171.242 | 0.0000 | 0.0000 | 84.559 | 0.05027 | 0.00000 | 316523.1 | 210019.9 | 100632.1 | S |
| 171.250 | 0.0000 | 0.0000 | 84.559 | 0.05026 | 0.00000 | 316523.1 | 210021.4 | 100632.1 | S |
| 171.258 | 0.0000 | 0.0000 | 84.559 | 0.05026 | 0.00000 | 316523.1 | 210022.9 | 100632.1 | S |
| 171.267 | 0.0000 | 0.0000 | 84.559 | 0.05025 | 0.00000 | 316523.1 | 210024.5 | 100632.1 | S |
| 171.275 | 0.0000 | 0.0000 | 84.559 | 0.05025 | 0.00000 | 316523.1 | 210026.0 | 100632.1 | S |
| 171.283 | 0.0000 | 0.0000 | 84.559 | 0.05024 | 0.00000 | 316523.1 | 210027.5 | 100632.1 | S |
| 171.292 | 0.0000 | 0.0000 | 84.559 | 0.05024 | 0.00000 | 316523.1 | 210029.0 | 100632.1 | S |
| 171.300 | 0.0000 | 0.0000 | 84.559 | 0.05024 | 0.00000 | 316523.1 | 210030.5 | 100632.1 | S |
| 171.308 | 0.0000 | 0.0000 | 84.558 | 0.05023 | 0.00000 | 316523.1 | 210032.0 | 100632.1 | S |
| 171.317 | 0.0000 | 0.0000 | 84.558 | 0.05023 | 0.00000 | 316523.1 | 210033.5 | 100632.1 | S |
| 171.325 | 0.0000 | 0.0000 | 84.558 | 0.05022 | 0.00000 | 316523.1 | 210035.0 | 100632.1 | S |
| 171.333 | 0.0000 | 0.0000 | 84.558 | 0.05022 | 0.00000 | 316523.1 | 210036.5 | 100632.1 | S |
| 171.342 | 0.0000 | 0.0000 | 84.558 | 0.05021 | 0.00000 | 316523.1 | 210038.0 | 100632.1 | S |
| 171.350 | 0.0000 | 0.0000 | 84.558 | 0.05021 | 0.00000 | 316523.1 | 210039.5 | 100632.1 | S |
| 171.358 | 0.0000 | 0.0000 | 84.558 | 0.05020 | 0.00000 | 316523.1 | 210041.0 | 100632.1 | S |
| 171.367 | 0.0000 | 0.0000 | 84.558 | 0.05020 | 0.00000 | 316523.1 | 210042.5 | 100632.1 | S |
| 171.375 | 0.0000 | 0.0000 | 84.557 | 0.05020 | 0.00000 | 316523.1 | 210044.0 | 100632.1 | S |
| 171.383 | 0.0000 | 0.0000 | 84.557 | 0.05019 | 0.00000 | 316523.1 | 210045.5 | 100632.1 | S |
| 171.392 | 0.0000 | 0.0000 | 84.557 | 0.05019 | 0.00000 | 316523.1 | 210047.0 | 100632.1 | S |
| 171.400 | 0.0000 | 0.0000 | 84.557 | 0.05018 | 0.00000 | 316523.1 | 210048.5 | 100632.1 | S |
| 171.408 | 0.0000 | 0.0000 | 84.557 | 0.05018 | 0.00000 | 316523.1 | 210050.1 | 100632.1 | S |
| 171.417 | 0.0000 | 0.0000 | 84.557 | 0.05017 | 0.00000 | 316523.1 | 210051.6 | 100632.1 | S |
| 171.425 | 0.0000 | 0.0000 | 84.557 | 0.05017 | 0.00000 | 316523.1 | 210053.1 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / 5}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{H}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{H}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 171.433 | 0.0000 | 0.0000 | 84.556 | 0.05016 | 0.00000 | 316523.1 | 210054.6 | 100632.1 | S |
| 171.442 | 0.0000 | 0.0000 | 84.556 | 0.05016 | 0.00000 | 316523.1 | 210056.1 | 100632.1 | S |
| 171.450 | 0.0000 | 0.0000 | 84.556 | 0.05016 | 0.00000 | 316523.1 | 210057.6 | 100632.1 | S |
| 171.458 | 0.0000 | 0.0000 | 84.556 | 0.05015 | 0.00000 | 316523.1 | 210059.1 | 100632.1 | S |
| 171.467 | 0.0000 | 0.0000 | 84.556 | 0.05015 | 0.00000 | 316523.1 | 210060.6 | 100632.1 | S |
| 171.475 | 0.0000 | 0.0000 | 84.556 | 0.05014 | 0.00000 | 316523.1 | 210062.1 | 100632.1 | S |
| 171.483 | 0.0000 | 0.0000 | 84.556 | 0.05014 | 0.00000 | 316523.1 | 210063.6 | 100632.1 | S |
| 171.492 | 0.0000 | 0.0000 | 84.556 | 0.05013 | 0.00000 | 316523.1 | 210065.1 | 100632.1 | S |
| 171.500 | 0.0000 | 0.0000 | 84.555 | 0.05013 | 0.00000 | 316523.1 | 210066.6 | 100632.1 | S |
| 171.508 | 0.0000 | 0.0000 | 84.555 | 0.05012 | 0.00000 | 316523.1 | 210068.1 | 100632.1 | S |
| 171.517 | 0.0000 | 0.0000 | 84.555 | 0.05012 | 0.00000 | 316523.1 | 210069.6 | 100632.1 | S |
| 171.525 | 0.0000 | 0.0000 | 84.555 | 0.05012 | 0.00000 | 316523.1 | 210071.1 | 100632.1 | S |
| 171.533 | 0.0000 | 0.0000 | 84.555 | 0.05011 | 0.00000 | 316523.1 | 210072.6 | 100632.1 | S |
| 171.542 | 0.0000 | 0.0000 | 84.555 | 0.05011 | 0.00000 | 316523.1 | 210074.1 | 100632.1 | S |
| 171.550 | 0.0000 | 0.0000 | 84.555 | 0.05010 | 0.00000 | 316523.1 | 210075.6 | 100632.1 | S |
| 171.558 | 0.0000 | 0.0000 | 84.555 | 0.05010 | 0.00000 | 316523.1 | 210077.1 | 100632.1 | S |
| 171.567 | 0.0000 | 0.0000 | 84.554 | 0.05009 | 0.00000 | 316523.1 | 210078.6 | 100632.1 | S |
| 171.575 | 0.0000 | 0.0000 | 84.554 | 0.05009 | 0.00000 | 316523.1 | 210080.1 | 100632.1 | S |
| 171.583 | 0.0000 | 0.0000 | 84.554 | 0.05008 | 0.00000 | 316523.1 | 210081.6 | 100632.1 | S |
| 171.592 | 0.0000 | 0.0000 | 84.554 | 0.05008 | 0.00000 | 316523.1 | 210083.1 | 100632.4 | S |
| 171.600 | 0.0000 | 0.0000 | 84.554 | 0.05008 | 0.00000 | 316523.1 | 210084.6 | 100632.1 | S |
| 171.608 | 0.0000 | 0.0000 | 84.554 | 0.05007 | 0.00000 | 316523.1 | 210086.1 | 100632.1 | S |
| 171.617 | 0.0000 | 0.0000 | 84.554 | 0.05007 | 0.00000 | 316523.1 | 210087.6 | 100632.1 | S |
| 171.625 | 0.0000 | 0.0000 | 84.554 | 0.05006 | 0.00000 | 316523.1 | 210089.2 | 100632.1 | S |
| 171.633 | 0.0000 | 0.0000 | 84.553 | 0.05006 | 0.00000 | 316523.1 | 210090.7 | 100632.1 | S |
| 171.642 | 0.0000 | 0.0000 | 84.553 | 0.05005 | 0.00000 | 316523.1 | 210092.2 | 100632.1 | S |
| 171.650 | 0.0000 | 0.0000 | 84.553 | 0.05005 | 0.00000 | 316523.1 | 210093.7 | 100632.1 | S |
| 171.658 | 0.0000 | 0.0000 | 84.553 | 0.05004 | 0.00000 | 316523.1 | 210095.2 | 100632.1 | S |
| 171.667 | 0.0000 | 0.0000 | 84.553 | 0.05004 | 0.00000 | 316523.1 | 210096.7 | 100632.1 | S |
| 171.675 | 0.0000 | 0.0000 | 84.553 | 0.05004 | 0.00000 | 316523.1 | 210098.2 | 100632.1 | S |
| 171.683 | 0.0000 | 0.0000 | 84.553 | 0.05003 | 0.00000 | 316523.1 | 210099.7 | 100632.1 | S |
| 171.692 | 0.0000 | 0.0000 | 84.552 | 0.05003 | 0.00000 | 316523.1 | 210101.2 | 100632.1 | S |
| 171.700 | 0.0000 | 0.0000 | 84.552 | 0.05002 | 0.00000 | 316523.1 | 210102.7 | 100632.1 | S |
| 171.708 | 0.0000 | 0.0000 | 84.552 | 0.05002 | 0.00000 | 316523.1 | 210104.2 | 100632.1 | S |
| 171.717 | 0.0000 | 0.0000 | 84.552 | 0.05001 | 0.00000 | 316523.1 | 210105.7 | 100632.1 | S |
| 171.725 | 0.0000 | 0.0000 | 84.552 | 0.05001 | 0.00000 | 316523.1 | 210107.2 | 100632.1 | S |
| 171.733 | 0.0000 | 0.0000 | 84.552 | 0.05000 | 0.00000 | 316523.1 | 210108.7 | 100632.1 | S |
| \$71.742 | 0.0000 | 0.0000 | 84.552 | 0.05000 | 0.00000 | 316523.1 | 210110.2 | 100632.1 | S |
| 171.750 | 0.0000 | 0.0000 | 84.552 | 0.05000 | 0.00000 | 316523.1 | 210111.7 | 100632.1 | S |
| 171.758 | 0.0000 | 0.0000 | 84.551 | 0.04999 | 0.00000 | 316523.1 | 210113.2 | 100632.1 | S |
| 171.767 | 0.0000 | 0.0000 | 84.551 | 0.04999 | 0.00000 | 316523.1 | 210114.7 | 100632.1 | S |
| 171.775 | 0.0000 | 0.0000 | 84.551 | 0.04998 | 0.00000 | 316523.1 | 210116.2 | 100632.1 | S |
| 171.783 | 0.0000 | 0.0000 | 84.551 | 0.04998 | 0.00000 | 316523.1 | 210117.7 | 100632.1 | S |
| 171.792 | 0.0000 | 0.0000 | 84.551 | 0.04997 | 0.00000 | 316523.1 | 210119.2 | 100632.1 | S |
| 171.800 | 0.0000 | 0.0000 | 84.551 | 0.04997 | 0.00000 | 316523.1 | 210120.7 | 100632.1 | S |
| 171.808 | 0.0000 | 0.0000 | 84.551 | 0.04997 | 0.00000 | 316523.1 | 210122.2 | 100632.1 | S |
| 171.817 | 0.0000 | 0.0000 | 84.551 | 0.04996 | 0.00000 | 316523.1 | 210123.7 | 100632.1 | S |
| 171.825 | 0.0000 | 0.0000 | 84.550 | 0.04996 | 0.00000 | 316523.1 | 210125.2 | 100632.1 | S |
| 171.833 | 0.0000 | 0.0000 | 84.550 | 0.04995 | 0.00000 | 316523.1 | 210126.7 | 100632.1 | S |
| 171.842 | 0.0000 | 0.0000 | 84.550 | 0.04995 | 0.00000 | 316523.1 | 210128.2 | 100632.1 | S |
| 171.850 | 0.0000 | 0.0000 | 84.550 | 0.04994 | 0.00000 | 316523.1 | 210129.7 | 100632.1 | S |
| 171.858 | 0.0000 | 0.0000 | 84.550 | 0.04994 | 0.00000 | 316523.1 | 210131.2 | 100632.1 | S |
| 171.867 | 0.0000 | 0.0000 | 84.550 | 0.04993 | 0.00000 | 316523.1 | 210132.6 | 100632.1 | S |
| 171.875 | 0.0000 | 0.0000 | 84.550 | 0.04993 | 0.00000 | 316523.1 | 210134.1 | 100632.1 | S |
| 171.883 | 0.0000 | 0.0000 | 84.549 | 0.04993 | 0.00000 | 316523.1 | 210135.6 | 100632.1 | S |
| 171.892 | 0.0000 | 0.0000 | 84.549 | 0.04992 | 0.00000 | 316523.1 | 210137.1 | 100632.1 | S |
| 171.900 | 0.0000 | 0.0000 | 84.549 | 0.04992 | 0.00000 | 316523.1 | 210138.6 | 100632.1 | S |
| 171.908 | 0.0000 | 0.0000 | 84.549 | 0.04991 | 0.00000 | 316523.1 | 210140.1 | 100632.1 | S |
| 171.917 | 0.0000 | 0.0000 | 84.549 | 0.04991 | 0.00000 | 316523.1 | 210141.6 | 100632.1 | S |
| 171.925 | 0.0000 | 0.0000 | 84.549 | 0.04990 | 0.00000 | 316523.1 | 210143.1 | 100632.1 | S |
| 171.933 | 0.0000 | 0.0000 | 84.549 | 0.04990 | 0.00000 | 316523.1 | 210144.6 | 100632.1 | S |
| 171.942 | 0.0000 | 0.0000 | 84.549 | 0.04989 | 0.00000 | 316523.1 | 210146.1 | 100632.1 | S |
| 171.950 | 0.0000 | 0.0000 | 84.548 | 0.04989 | 0.00000 | 316523.1 | 210147.6 | 100632.1 | S |
| 171.958 | 0.0000 | 0.0000 | 84.548 | 0.04989 | 0.00000 | 316523.1 | 210149.1 | 100632.1 | S |
| 171.967 | 0.0000 | 0.0000 | 84.548 | 0.04988 | 0.00000 | 316523.1 | 210150.6 | 100632.1 | S |
| 171.975 | 0.0000 | 0.0000 | 84.548 | 0.04988 | 0.00000 | 316523.1 | 210152.1 | 100632.1 | S |
| 171.983 | 0.0000 | 0.0000 | 84.548 | 0.04987 | 0.00000 | 316523.1 | 210153.6 | 100632.1 | S |
| 171.992 | 0.0000 | 0.0000 | 84.548 | 0.04987 | 0.00000 | 316523.1 | 210155.1 | 100632.1 | S |
| 172.000 | 0.0000 | 0.0000 | 84.548 | 0.04986 | 0.00000 | 316523.1 | 210156.6 | 100632.1 | S |
| 172.008 | 0.0000 | 0.0000 | 84.548 | 0.04986 | 0.00000 | 316523.1 | 210158.1 | 100632.1 | S |
| 172.017 | 0.0000 | 0.0000 | 84.547 | 0.04985 | 0.00000 | 316523.1 | 210159.6 | 100632.1 | S |
| 172.025 | 0.0000 | 0.0000 | 84.547 | 0.04985 | 0.00000 | 316523.1 | 210161.1 | 100632.1 | S |
| 172.033 | 0.0000 | 0.0000 | 84.547 | 0.04985 | 0.00000 | 316523.1 | 210162.6 | 100632.1 | S |
| 172.042 | 0.0000 | 0.0000 | 84.547 | 0.04984 | 0.00000 | 316523.1 | 210164.1 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow <br> Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumułative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 172.050 | 0.0000 | 0.0000 | 84.547 | 0.04984 | 0.00000 | 316523.1 | 210165.6 | 100632.1 | S |
| 172.058 | 0.0000 | 0.0000 | 84.547 | 0.04983 | 0.00000 | 316523.1 | 210167.1 | 100632.1 | S |
| 172.067 | 0.0000 | 0.0000 | 84.547 | 0.04983 | 0.00000 | 316523.1 | 210168.6 | 100632.1 | S |
| 172.075 | 0.0000 | 0.0000 | 84.547 | 0.04982 | 0.00000 | 316523.1 | 210170.1 | 100632.1 | S |
| 172.083 | 0.0000 | 0.0000 | 84.546 | 0.04982 | 0.00000 | 316523.1 | 210171.5 | 100632.1 | S |
| 172.092 | 0.0000 | 0.0000 | 84.546 | 0.04982 | 0.00000 | 316523.1 | 210173.0 | 100632.1 | S |
| 172.100 | 0.0000 | 0.0000 | 84.546 | 0.04981 | 0.00000 | 316523.1 | 210174.5 | 100632.1 | S |
| 172.108 | 0.0000 | 0.0000 | 84.546 | 0.04981 | 0.00000 | 316523.1 | 210176.0 | 100632.1 | S |
| 172.117 | 0.0000 | 0.0000 | 84.546 | 0.04980 | 0.00000 | 316523.1 | 210177.5 | 100632.1 | S |
| 172.125 | 0.0000 | 0.0000 | 84.546 | 0.04980 | 0.00000 | 316523.1 | 210179.0 | 100632.1 | S |
| 172.133 | 0.0000 | 0.0000 | 84.546 | 0.04979 | 0.00000 | 316523.1 | 210180.5 | 100632.1 | S |
| 172.142 | 0.0000 | 0.0000 | 84.545 | 0.04979 | 0.00000 | 316523.1 | 210182.0 | 100632.1 | S |
| 172.150 | 0.0000 | 0.0000 | 84.545 | 0.04978 | 0.00000 | 316523.1 | 210183.5 | 100632.1 | S |
| 172.158 | 0.0000 | 0.0000 | 84.545 | 0.04978 | 0.00000 | 316523.1 | 210185.0 | 100632.1 | S |
| 172.167 | 0.0000 | 0.0000 | 84.545 | 0.04978 | 0.00000 | 316523.1 | 210186.5 | 100632.1 | S |
| 172.175 | 0.0000 | 0.0000 | 84.545 | 0.04977 | 0.00000 | 316523.1 | 210188.0 | 100632.1 | S |
| 172.183 | 0.0000 | 0.0000 | 84.545 | 0.04977 | 0.00000 | 316523.1 | 210189.5 | 100632.1 | S |
| 172.192 | 0.0000 | 0.0000 | 84.545 | 0.04976 | 0.00000 | 316523.1 | 210191.0 | 100632.1 | S |
| 172.200 | 0.0000 | 0.0000 | 84.545 | 0.04976 | 0.00000 | 316523.1 | 210192.5 | 100632.1 | S |
| 172.208 | 0.0000 | 0.0000 | 84.544 | 0.04975 | 0.00000 | 316523.1 | 210194.0 | 100632.1 | S |
| 172.217 | 0.0000 | 0.0000 | 84.544 | 0.04975 | 0.00000 | 316523.1 | 210195.5 | 100632.1 | S |
| 172.225 | 0.0000 | 0.0000 | 84.544 | 0.04974 | 0.00000 | 316523.1 | 210196.9 | 100632.1 | S |
| 172.233 | 0.0000 | 0.0000 | 84.544 | 0.04974 | 0.00000 | 316523.1 | 210198.4 | 100632.1 | S |
| 172.242 | 0.0000 | 0.0000 | 84.544 | 0.04974 | 0.00000 | 316523.1 | 210199.9 | 100632.1 | S |
| 172.250 | 0.0000 | 0.0000 | 84.544 | 0.04973 | 0.00000 | 316523.1 | 210201.4 | 100632.1 | S |
| 172.258 | 0.0000 | 0.0000 | 84.544 | 0.04973 | 0.00000 | 316523.1 | 210202.9 | 100632.1 | S |
| 172.267 | 0.0000 | 0.0000 | 84.544 | 0.04972 | 0.00000 | 316523.1 | 210204.4 | 100632.1 | S |
| 172.275 | 0.0000 | 0.0000 | 84.543 | 0.04972 | 0.00000 | 316523.1 | 210205.9 | 100632.1 | S |
| 172.283 | 0.0000 | 0.0000 | 84.543 | 0.04971 | 0.00000 | 316523.1 | 210207.4 | 100632.1 | S |
| 172.292 | 0.0000 | 0.0000 | 84.543 | 0.04971 | 0.00000 | 316523.1 | 210208.9 | 100632.1 | S |
| 172.300 | 0.0000 | 0.0000 | 84.543 | 0.04971 | 0.00000 | 316523.1 | 210210.4 | 100632.1 | S |
| 172.308 | 0.0000 | 0.0000 | 84.543 | 0.04970 | 0.00000 | 316523.1 | 210211.9 | 100632.1 | S |
| 172.317 | 0.0000 | 0.0000 | 84.543 | 0.04970 | 0.00000 | 316523.1 | 210213.3 | 100632.1 | S |
| 172.325 | 0.0000 | 0.0000 | 84.543 | 0.04969 | 0.00000 | 316523.1 | 210214.8 | 100632.1 | S |
| 172.333 | 0.0000 | 0.0000 | 84.543 | 0.04969 | 0.00000 | 316523.1 | 210216.3 | 100632.1 | S |
| 172.342 | 0.0000 | 0.0000 | 84.542 | 0.04968 | 0.00000 | 316523.1 | 210217.8 | 100632.1 | S |
| 172.350 | 0.0000 | 0.0000 | 84.542 | 0.04968 | 0.00000 | 316523.1 | 210219.3 | 100632.1 | S |
| 172.358 | 0.0000 | 0.0000 | 84.542 | 0.04967 | 0.00000 | 316523.1 | 210220.8 | 100632.1 | S |
| 172.367 | 0.0000 | 0.0000 | 84.542 | 0.04967 | 0.00000 | 316523.1 | 210222.3 | 100632.4 | S |
| 172.375 | 0.0000 | 0.0000 | 84.542 | 0.04967 | 0.00000 | 316523.1 | 210223.8 | 100632.1 | S |
| 172.383 | 0.0000 | 0.0000 | 84.542 | 0.04966 | 0.00000 | 316523.1 | 210225.3 | 100632.1 | S |
| 172.392 | 0.0000 | 0.0000 | 84.542 | 0.04966 | 0.00000 | 316523.1 | 210226.8 | 100632.1 | S |
| 172.400 | 0.0000 | 0.0000 | 84.541 | 0.04965 | 0.00000 | 316523.1 | 210228.3 | 100632.1 | S |
| 172.408 | 0.0000 | 0.0000 | 84.541 | 0.04965 | 0.00000 | 316523.1 | 210229.7 | 100632.1 | S |
| 172.417 | 0.0000 | 0.0000 | 84.541 | 0.04964 | 0.00000 | 316523.1 | 210231.2 | 100632.1 | S |
| 172.425 | 0.0000 | 0.0000 | 84.541 | 0.04964 | 0.00000 | 316523.1 | 210232.7 | 100632.1 | S |
| 172.433 | 0.0000 | 0.0000 | 84.541 | 0.04964 | 0.00000 | 316523.1 | 210234.2 | 100632.1 | S |
| 172.442 | 0.0000 | 0.0000 | 84.541 | 0.04963 | 0.00000 | 316523.1 | 210235.7 | 100632.1 | S |
| 172.450 | 0.0000 | 0.0000 | 84.541 | 0.04963 | 0.00000 | 316523.1 | 210237.2 | 100632.1 | S |
| 172.458 | 0.0000 | 0.0000 | 84.541 | 0.04962 | 0.00000 | 316523.1 | 210238.7 | 100632.1 | S |
| 172.467 | 0.0000 | 0.0000 | 84.540 | 0.04962 | 0.00000 | 316523.1 | 210240.2 | 100632.1 | S |
| 172.475 | 0.0000 | 0.0000 | 84.540 | 0.04961 | 0.00000 | 316523.1 | 210241.7 | 100632.1 | S |
| 172.483 | 0.0000 | 0.0000 | 84.540 | 0.04961 | 0.00000 | 316523.1 | 210243.1 | 100632.1 | S |
| 172.492 | 0.0000 | 0.0000 | 84.540 | 0.04960 | 0.00000 | 316523.1 | 210244.6 | 100632.1 | S |
| 172.500 | 0.0000 | 0.0000 | 84.540 | 0.04960 | 0.00000 | 316523.1 | 210246.1 | 100632.1 | S |
| 172.508 | 0.0000 | 0.0000 | 84.540 | 0.04960 | 0.00000 | 316523.1 | 210247.6 | 100632.1 | S |
| 172.517 | 0.0000 | 0.0000 | 84.540 | 0.04959 | 0.00000 | 316523.1 | 210249.1 | 100632.1 | S |
| 172.525 | 0.0000 | 0.0000 | 84.540 | 0.04959 | 0.00000 | 316523.1 | 210250.6 | 100632.1 | S |
| 172.533 | 0.0000 | 0.0000 | 84.539 | 0.04958 | 0.00000 | 316523.1 | 210252.1 | 100632.1 | S |
| 172.542 | 0.0000 | 0.0000 | 84.539 | 0.04958 | 0.00000 | 316523.1 | 210253.5 | 100632.1 | S |
| 172.550 | 0.0000 | 0.0000 | 84.539 | 0.04957 | 0.00000 | 316523.1 | 210255.0 | 100632.7 | S |
| 172.558 | 0.0000 | 0.0000 | 84.539 | 0.04957 | 0.00000 | 316523.1 | 210256.5 | 100632.1 | S |
| 172.567 | 0.0000 | 0.0000 | 84.539 | 0.04956 | 0.00000 | 316523.1 | 210258.0 | 100632.1 | S |
| 172.575 | 0.0000 | 0.0000 | 84.539 | 0.04956 | 0.00000 | 316523.1 | 210259.5 | 100632.1 | S |
| 172.583 | 0.0000 | 0.0000 | 84.539 | 0.04956 | 0.00000 | 316523.1 | 210261.0 | 100632.1 | S |
| 172.592 | 0.0000 | 0.0000 | 84.539 | 0.04955 | 0.00000 | 316523.1 | 210262.5 | 100632.1 | S |
| 172.600 | 0.0000 | 0.0000 | 84.538 | 0.04955 | 0.00000 | 316523.1 | 210264.0 | 100632.1 | S |
| 172.608 | 0.0000 | 0.0000 | 84.538 | 0.04954 | 0.00000 | 316523.1 | 210265.5 | 100632.4 | S |
| 172.617 | 0.0000 | 0.0000 | 84.538 | 0.04954 | 0.00000 | 316523.1 | 210266.9 | 100632.1 | S |
| 172.625 | 0.0000 | 0.0000 | 84.538 | 0.04953 | 0.00000 | 316523.1 | 210268.4 | 100632.1 | S |
| 172.633 | 0.0000 | 0.0000 | 84.538 | 0.04953 | 0.00000 | 316523.1 | 210269.9 | 100632.1 | S |
| 172.642 | 0.0000 | 0.0000 | 84.538 | 0.04953 | 0.00000 | 316523.1 | 210271.4 | 100632.1 | S |
| 172.650 | 0.0000 | 0.0000 | 84.538 | 0.04952 | 0.00000 | 316523.1 | 210272.9 | \$00632.1 | S |
| 172.658 | 0.0000 | 0.0000 | 84.537 | 0.04952 | 0.00000 | 316523.1 | 210274.4 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (fl/day) | Stage Elevation (ft datum) | Infiltration Rate (fi3/s) | Overflow Discharge ( $\mathrm{H}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume (fis) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 172.667 | 0.0000 | 0.0000 | 84.537 | 0.04951 | 0.00000 | 316523.1 | 210275.8 | 100632.1 | S |
| 172.675 | 0.0000 | 0.0000 | 84.537 | 0.04951 | 0.00000 | 316523.1 | 210277.3 | 100632.1 | S |
| 172.683 | 0.0000 | 0.0000 | 84.537 | 0.04950 | 0.00000 | 316523.1 | 210278.8 | 100632.1 | S |
| 172.692 | 0.0000 | 0.0000 | 84.537 | 0.04950 | 0.00000 | 316523.1 | 210280.3 | 100632.1 | S |
| 172.700 | 0.0000 | 0.0000 | 84.537 | 0.04949 | 0.00000 | 316523.1 | 210281.8 | 100632.1 | S |
| 172.708 | 0.0000 | 0.0000 | 84.537 | 0.04949 | 0.00000 | 316523.1 | 210283.3 | 100632.1 | S |
| 172.717 | 0.0000 | 0.0000 | 84.537 | 0.04949 | 0.00000 | 316523.1 | 210284.8 | 100632.1 | S |
| 172.725 | 0.0000 | 0.0000 | 84.536 | 0.04948 | 0.00000 | 316523.1 | 210286.3 | 100632.1 | S |
| 172.733 | 0.0000 | 0.0000 | 84.536 | 0.04948 | 0.00000 | 316523.1 | 210287.7 | 100632.1 | S |
| 172.742 | 0.0000 | 0.0000 | 84.536 | 0.04947 | 0.00000 | 316523.1 | 210289.2 | 100632.1 | S |
| 172.750 | 0.0000 | 0.0000 | 84.536 | 0.04947 | 0.00000 | 316523.1 | 210290.7 | 100632.1 | S |
| 172.758 | 0.0000 | 0.0000 | 84.536 | 0.04946 | 0.00000 | 316523.1 | 210292.2 | 100632.1 | S |
| 172.767 | 0.0000 | 0.0000 | 84.536 | 0.04946 | 0.00000 | 316523.1 | 210293.7 | 100632.1 | S |
| 172.775 | 0.0000 | 0.0000 | 84.536 | 0.04946 | 0.00000 | 316523.1 | 210295.2 | 100632.1 | S |
| 172.783 | 0.0000 | 0.0000 | 84.536 | 0.04945 | 0.00000 | 316523.1 | 210296.6 | 100632.1 | S |
| 172.792 | 0.0000 | 0.0000 | 84.535 | 0.04945 | 0.00000 | 316523.1 | 210298.1 | 100632.1 | S |
| 172.800 | 0.0000 | 0.0000 | 84.535 | 0.04944 | 0.00000 | 316523.1 | 210299.6 | 100632.1 | S |
| 172.808 | 0.0000 | 0.0000 | 84.535 | 0.04944 | 0.00000 | 316523.1 | 210301.1 | 100632.1 | S |
| 172.817 | 0.0000 | 0.0000 | 84.535 | 0.04943 | 0.00000 | 316523.1 | 210302.6 | 100632.1 | S |
| 172.825 | 0.0000 | 0.0000 | 84.535 | 0.04943 | 0.00000 | 316523.1 | 210304.0 | 100632.1 | S |
| 172.833 | 0.0000 | 0.0000 | 84.535 | 0.04943 | 0.00000 | 316523.1 | 210305.5 | 100632.1 | S |
| 172.842 | 0.0000 | 0.0000 | 84.535 | 0.04942 | 0.00000 | 316523.1 | 210307.0 | 100632.1 | S |
| 172.850 | 0.0000 | 0.0000 | 84.535 | 0.04942 | 0.00000 | 316523.1 | 210308.5 | 100632.1 | S |
| 172.858 | 0.0000 | 0.0000 | 84.534 | 0.04941 | 0.00000 | 316523.1 | 210310.0 | 100632.1 | S |
| 172.867 | 0.0000 | 0.0000 | 84.534 | 0.04941 | 0.00000 | 316523.1 | 210311.5 | 100632.1 | S |
| 172.875 | 0.0000 | 0.0000 | 84.534 | 0.04940 | 0.00000 | 316523.1 | 210312.9 | 100632.1 | S |
| 172.883 | 0.0000 | 0.0000 | 84.534 | 0.04940 | 0.00000 | 316523.1 | 210314.4 | 100632.1 | S |
| 172.892 | 0.0000 | 0.0000 | 84.534 | 0.04939 | 0.00000 | 316523.1 | 210315.9 | 100632.1 | S |
| 172.900 | 0.0000 | 0.0000 | 84.534 | 0.04939 | 0.00000 | 316523.1 | 210317.4 | 100632.1 | S |
| 172.908 | 0.0000 | 0.0000 | 84.534 | 0.04939 | 0.00000 | 316523.1 | 210318.9 | 100632.1 | S |
| 172.917 | 0.0000 | 0.0000 | 84.534 | 0.04938 | 0.00000 | 316523.1 | 210320.4 | 100632.1 | S |
| 172.925 | 0.0000 | 0.0000 | 84.533 | 0.04938 | 0.00000 | 316523.1 | 210321.8 | 100632.1 | S |
| 172.933 | 0.0000 | 0.0000 | 84.533 | 0.04937 | 0.00000 | 316523.1 | 210323.3 | 100632.1 | S |
| 172.942 | 0.0000 | 0.0000 | 84.533 | 0.04937 | 0.00000 | 316523.1 | 210324.8 | 100632.1 | S |
| 172.950 | 0.0000 | 0.0000 | 84.533 | 0.04936 | 0.00000 | 316523.1 | 210326.3 | 100632.1 | S |
| 172.958 | 0.0000 | 0.0000 | 84.533 | 0.04936 | 0.00000 | 316523.1 | 210327.8 | 100632.1 | S |
| 172.967 | 0.0000 | 0.0000 | 84.533 | 0.04936 | 0.00000 | 316523.1 | 210329.2 | 100632.1 | S |
| 172.975 | 0.0000 | 0.0000 | 84.533 | 0.04935 | 0.00000 | 316523.1 | 210330.7 | 100632.1 | S |
| 172.983 | 0.0000 | 0.0000 | 84.532 | 0.04935 | 0.00000 | 316523.1 | 210332.2 | 100632.1 | S |
| $\dagger 72.992$ | 0.0000 | 0.0000 | 84.532 | 0.04934 | 0.00000 | 316523.1 | 210333.7 | 100632.1 | S |
| 173.000 | 0.0000 | 0.0000 | 84.532 | 0.04934 | 0.00000 | 316523.1 | 210335.2 | 100632.1 | S |
| 173.008 | 0.0000 | 0.0000 | 84.532 | 0.04933 | 0.00000 | 316523.1 | 210336.6 | 100632.1 | S |
| 173.017 | 0.0000 | 0.0000 | 84.532 | 0.04933 | 0.00000 | 316523.1 | 210338.1 | 100632.1 | S |
| 173.025 | 0.0000 | 0.0000 | 84.532 | 0.04932 | 0.00000 | 316523.1 | 210339.6 | 100632.1 | S |
| 173.033 | 0.0000 | 0.0000 | 84.532 | 0.04932 | 0.00000 | 316523.1 | 210341.1 | 100632.1 | S |
| 173.042 | 0.0000 | 0.0000 | 84.532 | 0.04932 | 0.00000 | 316523.1 | 210342.6 | 100632.1 | S |
| 173.050 | 0.0000 | 0.0000 | 84.531 | 0.04931 | 0.00000 | 316523.1 | 210344.0 | 100632.1 | S |
| 173.058 | 0.0000 | 0.0000 | 84.531 | 0.04931 | 0.00000 | 316523.1 | 210345.5 | 100632.1 | S |
| 173.067 | 0.0000 | 0.0000 | 84.531 | 0.04930 | 0.00000 | 316523.1 | 210347.0 | 100632.1 | S |
| 173.075 | 0.0000 | 0.0000 | 84.531 | 0.04930 | 0.00000 | 316523.1 | 210348.5 | 100632.1 | S |
| 173.083 | 0.0000 | 0.0000 | 84.531 | 0.04929 | 0.00000 | 316523.1 | 210350.0 | 100632.1 | S |
| 173.092 | 0.0000 | 0.0000 | 84.531 | 0.04929 | 0.00000 | 316523.1 | 210351.4 | 100632.1 | S |
| 173.100 | 0.0000 | 0.0000 | 84.531 | 0.04929 | 0.00000 | 316523.1 | 210352.9 | 100632.1 | S |
| 173.108 | 0.0000 | 0.0000 | 84.531 | 0.04928 | 0.00000 | 316523.1 | 210354.4 | 100632.1 | S |
| 173.117 | 0.0000 | 0.0000 | 84.530 | 0.04928 | 0.00000 | 316523.1 | 210355.9 | 100632.1 | S |
| 173.125 | 0.0000 | 0.0000 | 84.530 | 0.04927 | 0.00000 | 316523.1 | 210357.3 | 100632.1 | S |
| 173.133 | 0.0000 | 0.0000 | 84.530 | 0.04927 | 0.00000 | 316523.1 | 210358.8 | 100632.1 | S |
| 173.142 | 0.0000 | 0.0000 | 84.530 | 0.04926 | 0.00000 | 316523.1 | 210360.3 | 100632.1 | S |
| 173.150 | 0.0000 | 0.0000 | 84.530 | 0.04926 | 0.00000 | 316523.1 | 210361.8 | 100632.1 | S |
| 173.158 | 0.0000 | 0.0000 | 84.530 | 0.04926 | 0.00000 | 316523.1 | 210363.3 | 100632.1 | S |
| 173.167 | 0.0000 | 0.0000 | 84.530 | 0.04925 | 0.00000 | 316523.1 | 210364.7 | 100632.1 | S |
| 173.175 | 0.0000 | 0.0000 | 84.530 | 0.04925 | 0.00000 | 316523.1 | 210366.2 | 100632.1 | S |
| 173.183 | 0.0000 | 0.0000 | 84.529 | 0.04924 | 0.00000 | 316523.1 | 210367.7 | 100632.1 | S |
| 173.192 | 0.0000 | 0.0000 | 84.529 | 0.04924 | 0.00000 | 316523.1 | 210369.2 | 100632.1 | S |
| 173.200 | 0.0000 | 0.0000 | 84.529 | 0.04923 | 0.00000 | 316523.1 | 210370.6 | 100632.1 | S |
| 173.208 | 0.0000 | 0.0000 | 84.529 | 0.04923 | 0.00000 | 316523.1 | 210372.1 | 100632.1 | S |
| 173.217 | 0.0000 | 0.0000 | 84.529 | 0.04922 | 0.00000 | 316523.1 | 210373.6 | 100632.1 | S |
| 173.225 | 0.0000 | 0.0000 | 84.529 | 0.04922 | 0.00000 | 316523.1 | 210375.1 | 100632.1 | S |
| 173.233 | 0.0000 | 0.0000 | 84.529 | 0.04922 | 0.00000 | 316523.1 | 210376.5 | 100632.1 | S |
| 173.242 | 0.0000 | 0.0000 | 84.528 | 0.04921 | 0.00000 | 316523.1 | 210378.0 | 100632.1 | S |
| 173.250 | 0.0000 | 0.0000 | 84.528 | 0.04921 | 0.00000 | 316523.1 | 210379.5 | 100632.1 | S |
| 173.258 | 0.0000 | 0.0000 | 84.528 | 0.04920 | 0.00000 | 316523.1 | 210381.0 | 100632.1 | S |
| 173.267 | 0.0000 | 0.0000 | 84.528 | 0.04920 | 0.00000 | 316523.1 | 210382.5 | 100632.1 | S |
| 173.275 | 0.0000 | 0.0000 | 84.528 | 0.04919 | 0.00000 | 316523.1 | 210383.9 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (fi/day) | Stage Elevation ( f datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{H}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume (ft ${ }^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 173.283 | 0.0000 | 0.0000 | 84.528 | 0.04919 | 0.00000 | 316523.1 | 210385.4 | 100632.1 | S |
| 173.292 | 0.0000 | 0.0000 | 84.528 | 0.04919 | 0.00000 | 316523.1 | 210386.9 | 100632.1 | S |
| 173.300 | 0.0000 | 0.0000 | 84.528 | 0.04918 | 0.00000 | 316523.1 | 210388.4 | 100632.1 | S |
| 173.308 | 0.0000 | 0.0000 | 84.527 | 0.04918 | 0.00000 | 316523.1 | 210389.8 | 100632.1 | S |
| 173.317 | 0.0000 | 0.0000 | 84.527 | 0.04917 | 0.00000 | 316523.1 | 210391.3 | 100632.1 | S |
| 173.325 | 0.0000 | 0.0000 | 84.527 | 0.04917 | 0.00000 | 316523.1 | 210392.8 | 100632.1 | S |
| 173.333 | 0.0000 | 0.0000 | 84.527 | 0.04916 | 0.00000 | 316523.1 | 210394.3 | 100632.1 | S |
| 173.342 | 0.0000 | 0.0000 | 84.527 | 0.04916 | 0.00000 | 316523.1 | 210395.7 | 100632.1 | S |
| 173.350 | 0.0000 | 0.0000 | 84.527 | 0.04916 | 0.00000 | 316523.1 | 210397.2 | 100632.1 | S |
| 173.358 | 0.0000 | 0.0000 | 84.527 | 0.04915 | 0.00000 | 316523.1 | 210398.7 | 100632.1 | S |
| 173.367 | 0.0000 | 0.0000 | 84.527 | 0.04915 | 0.00000 | 316523.1 | 210400.2 | 100632.1 | S |
| 173.375 | 0,0000 | 0.0000 | 84.526 | 0.04914 | 0.00000 | 316523.1 | 210401.6 | 100632.1 | S |
| 173.383 | 0.0000 | 0.0000 | 84.526 | 0.04914 | 0.00000 | 316523.1 | 210403.1 | 100632.1 | S |
| 173.392 | 0.0000 | 0.0000 | 84.526 | 0.04913 | 0.00000 | 316523.1 | 210404.6 | 100632.1 | S |
| 173.400 | 0.0000 | 0.0000 | 84.526 | 0.04913 | 0.00000 | 316523.1 | 210406.1 | 100632.1 | S |
| 173.408 | 0.0000 | 0.0000 | 84.526 | 0.04912 | 0.00000 | 316523.1 | 210407.5 | 100632.1 | S |
| 173.417 | 0.0000 | 0.0000 | 84.526 | 0.04912 | 0.00000 | 316523.1 | 210409.0 | 100632.1 | S |
| 173.425 | 0.0000 | 0.0000 | 84.526 | 0.04912 | 0.00000 | 316523.1 | 210410.5 | 100632.1 | S |
| 173.433 | 0.0000 | 0.0000 | 84.526 | 0.04911 | 0.00000 | 316523.1 | 210412.0 | 100632.1 | S |
| 173.442 | 0.0000 | 0.0000 | 84.525 | 0.04911 | 0.00000 | 316523.1 | 210413.4 | 100632.1 | S |
| 173.450 | 0.0000 | 0.0000 | 84.525 | 0.04910 | 0.00000 | 316523.1 | 210414.9 | 100632.1 | S |
| 173.458 | 0.0000 | 0.0000 | 84.525 | 0.04910 | 0.00000 | 316523.1 | 210416.4 | 100632.1 | S |
| 173.467 | 0.0000 | 0.0000 | 84.525 | 0.04909 | 0.00000 | 316523.1 | 210417.8 | 100632.1 | S |
| 173.475 | 0.0000 | 0.0000 | 84.525 | 0.04909 | 0.00000 | 316523.1 | 210419.3 | 100632.1 | S |
| 173.483 | 0.0000 | 0.0000 | 84.525 | 0.04909 | 0.00000 | 316523.1 | 210420.8 | 100632.1 | S |
| 173.492 | 0.0000 | 0.0000 | 84.525 | 0.04908 | 0.00000 | 316523.1 | 210422.3 | 100632.1 | S |
| 173.500 | 0.0000 | 0.0000 | 84.525 | 0.04908 | 0.00000 | 316523.1 | 210423.7 | 100632.1 | S |
| 173.508 | 0.0000 | 0.0000 | 84.524 | 0.04907 | 0.00000 | 316523.1 | 210425.2 | 100632.1 | S |
| 173.517 | 0.0000 | 0.0000 | 84.524 | 0.04907 | 0.00000 | 316523.1 | 210426.7 | 100632.1 | S |
| 173.525 | 0.0000 | 0.0000 | 84.524 | 0.04906 | 0.00000 | 316523.1 | 210428.2 | 100632.1 | S |
| 173.533 | 0.0000 | 0.0000 | 84.524 | 0.04906 | 0.00000 | 316523.1 | 210429.6 | 100632.1 | S |
| 173.542 | 0.0000 | 0.0000 | 84.524 | 0.04906 | 0.00000 | 316523.1 | 210431.1 | 100632.1 | S |
| \$73.550 | 0.0000 | 0.0000 | 84.524 | 0.04905 | 0.00000 | 316523.1 | 210432.6 | 100632.1 | S |
| 173.558 | 0.0000 | 0.0000 | 84.524 | 0.04905 | 0.00000 | 316523.1 | 210434.0 | 100632.1 | S |
| 173.567 | 0.0000 | 0.0000 | 84.523 | 0.04904 | 0.00000 | 316523.1 | 210435.5 | 100632.1 | S |
| 173.575 | 0.0000 | 0.0000 | 84.523 | 0.04904 | 0.00000 | 316523.1 | 210437.0 | 100632.1 | S |
| 173.583 | 0.0000 | 0.0000 | 84.523 | 0.04903 | 0.00000 | 316523.1 | 210438.5 | 100632.1 | S |
| 173.592 | 0.0000 | 0.0000 | 84.523 | 0.04903 | 0.00000 | 316523.1 | 210439.9 | 100632.1 | S |
| 173.600 | 0.0000 | 0.0000 | 84.523 | 0.04903 | 0.00000 | 316523.1 | 210441.4 | 100632.1 | 5 |
| 173.608 | 0.0000 | 0.0000 | 84.523 | 0.04902 | 0.00000 | 316523.1 | 210442.9 | 100632.1 | S |
| 173.617 | 0.0000 | 0.0000 | 84.523 | 0.04902 | 0.00000 | 316523.1 | 210444.3 | 100632.1 | S |
| 173.625 | 0.0000 | 0.0000 | 84.523 | 0.04901 | 0.00000 | 316523.1 | 210445.8 | 100632.1 | S |
| 173.633 | 0.0000 | 0.0000 | 84.522 | 0.04901 | 0.00000 | 316523.1 | 210447.3 | 100632.1 | S |
| 173.642 | 0.0000 | 0.0000 | 84.522 | 0.04900 | 0.00000 | 316523.1 | 210448.8 | 100632.1 | S |
| 173.650 | 0.0000 | 0.0000 | 84.522 | 0.04900 | 0.00000 | 316523.1 | 210450.2 | 100632.1 | S |
| 173.658 | 0.0000 | 0.0000 | 84.522 | 0.04900 | 0.00000 | 316523.1 | 210451.7 | 100632.1 | S |
| 173.667 | 0.0000 | 0.0000 | 84.522 | 0.04899 | 0.00000 | 316523.7 | 210453.2 | 100632.1 | S |
| 173.675 | 0.0000 | 0.0000 | 84.522 | 0.04899 | 0.00000 | 316523.1 | 210454.6 | 100632.1 | S |
| 173.683 | 0.0000 | 0.0000 | 84.522 | 0.04898 | 0.00000 | 316523.1 | 210456.1 | 100632.1 | S |
| 173.692 | 0.0000 | 0.0000 | 84.522 | 0.04898 | 0.00000 | 316523.1 | 210457.6 | 100632.1 | S |
| 173.700 | 0.0000 | 0.0000 | 84.521 | 0.04897 | 0.00000 | 316523.1 | 210459.0 | 100632.1 | S |
| 173.708 | 0.0000 | 0.0000 | 84.521 | 0.04897 | 0.00000 | 316523.1 | 210460.5 | 100632.1 | S |
| 173.717 | 0.0000 | 0.0000 | 84.521 | 0.04896 | 0.00000 | 316523.1 | 210462.0 | 100632.1 | 5 |
| 173.725 | 0,0000 | 0.0000 | 84.521 | 0.04896 | 0.00000 | 316523.1 | 210463.4 | 100632.1 | S |
| 173.733 | 0.0000 | 0.0000 | 84.521 | 0.04896 | 0.00000 | 316523.1 | 210464.9 | 100632.1 | S |
| 173.742 | 0.0000 | 0.0000 | 84.521 | 0.04895 | 0.00000 | 316523.1 | 210466.4 | 100632.1 | S |
| 173.750 | 0.0000 | 0.0000 | 84.521 | 0.04895 | 0.00000 | 316523.1 | 210467.8 | 100632.1 | S |
| 173.758 | 0.0000 | 0.0000 | 84.521 | 0.04894 | 0.00000 | 316523.1 | 210469.3 | 100632.1 | S |
| 173.767 | 0.0000 | 0.0000 | 84.520 | 0.04894 | 0.00000 | 316523.1 | 210470.8 | 100632.1 | S |
| 173.775 | 0.0000 | 0.0000 | 84.520 | 0.04893 | 0.00000 | 316523.1 | 210472.3 | 100632.1 | S |
| 173.783 | 0.0000 | 0.0000 | 84.520 | 0.04893 | 0.00000 | 316523.1 | 210473.7 | 100632.1 | S |
| 173.792 | 0.0000 | 0.0000 | 84.520 | 0.04893 | 0.00000 | 316523.1 | 210475.2 | 100632.1 | S |
| 173.800 | 0.0000 | 0.0000 | 84.520 | 0.04892 | 0.00000 | 316523.1 | 210476.7 | 100632.1 | S |
| 173.808 | 0.0000 | 0.0000 | 84.520 | 0.04892 | 0.00000 | 316523.1 | 210478.1 | 100632.1 | S |
| 173.817 | 0.0000 | 0.0000 | 84.520 | 0.04891 | 0.00000 | 316523.1 | 210479.6 | 100632.1 | S |
| 173.825 | 0.0000 | 0.0000 | 84.520 | 0.04891 | 0.00000 | 316523.1 | 210481.1 | 100632.1 | S |
| 173.833 | 0.0000 | 0.0000 | 84.519 | 0.04890 | 0.00000 | 316523.1 | 210482.5 | 100632.1 | S |
| 173.842 | 0.0000 | 0.0000 | 84.519 | 0.04890 | 0.00000 | 316523.1 | 210484.0 | 100632.1 | S |
| 173.850 | 0.0000 | 0.0000 | 84.519 | 0.04890 | 0.00000 | 316523.1 | 210485.5 | 100632.1 | S |
| 173.858 | 0.0000 | 0.0000 | 84.519 | 0.04889 | 0.00000 | 316523.1 | 210486.9 | 100632.1 | S |
| 173.867 | 0.0000 | 0.0000 | 84.519 | 0.04889 | 0.00000 | 316523.1 | 210488.4 | 100632.1 | S |
| 173.875 | 0.0000 | 0.0000 | 84.519 | 0.04888 | 0.00000 | 316523.1 | 210489.9 | 100632.1 | S |
| 173.883 | 0.0000 | 0.0000 | 84.519 | 0.04888 | 0.00000 | 316523.1 | 210491.3 | 100632.1 | S |
| 173.892 | 0.0000 | 0.0000 | 84.518 | 0.04887 | 0.00000 | 316523.1 | 210492.8 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | inflow Rate (ft ${ }^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate (fis/s) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 173.900 | 0.0000 | 0.0000 | 84.518 | 0.04887 | 0.00000 | 316523.1 | 210494.3 | 100632.1 | S |
| 173.908 | 0.0000 | 0.0000 | 84.518 | 0.04887 | 0.00000 | 316523.1 | 210495.7 | 100632.1 | S |
| 173.917 | 0.0000 | 0.0000 | 84.518 | 0.04886 | 0.00000 | 316523.1 | 210497.2 | 100632.1 | S |
| 173.925 | 0.0000 | 0.0000 | 84.518 | 0.04886 | 0.00000 | 316523.1 | 210498.7 | 100632.1 | S |
| 173.933 | 0.0000 | 0.0000 | 84.518 | 0.04885 | 0.00000 | 316523.1 | 210500.1 | 100632.1 | S |
| 173.942 | 0.0000 | 0.0000 | 84.518 | 0.04885 | 0.00000 | 316523.1 | 210501.6 | 100632.1 | S |
| 173.950 | 0.0000 | 0.0000 | 84.518 | 0.04884 | 0.00000 | 316523.1 | 210503.0 | 100632.1 | S |
| 173.958 | 0.0000 | 0.0000 | 84.517 | 0.04884 | 0.00000 | 316523.1 | 210504.5 | 100632.1 | S |
| 173.967 | 0.0000 | 0.0000 | 84.517 | 0.04884 | 0.00000 | 316523.1 | 210506.0 | 100632.1 | S |
| 173.975 | 0.0000 | 0.0000 | 84.517 | 0.04883 | 0.00000 | 316523.1 | 210507.4 | 100632.1 | S |
| 173.983 | 0.0000 | 0.0000 | 84.517 | 0.04883 | 0.00000 | 316523.1 | 210508.9 | 100632.1 | S |
| 173.992 | 0.0000 | 0.0000 | 84.517 | 0.04882 | 0.00000 | 316523.1 | 210510.4 | 100632.1 | S |
| 174.000 | 0.0000 | 0.0000 | 84.517 | 0.04882 | 0.00000 | 316523.1 | 210511.8 | 100632.1 | S |
| 174.008 | 0.0000 | 0.0000 | 84.517 | 0.04881 | 0.00000 | 316523.1 | 210513.3 | 100632.1 | S |
| 174.017 | 0.0000 | 0.0000 | 84.517 | 0.04881 | 0.00000 | 316523.1 | 210514.8 | 100632.1 | S |
| 174.025 | 0.0000 | 0.0000 | 84.516 | 0.04881 | 0.00000 | 316523.1 | 210516.2 | 100632.1 | S |
| 174.033 | 0.0000 | 0.0000 | 84.516 | 0.04880 | 0.00000 | 316523.1 | 210517.7 | 100632.1 | S |
| 174.042 | 0.0000 | 0.0000 | 84.516 | 0.04880 | 0.00000 | 316523.1 | 210519.2 | 100632.1 | S |
| 174.050 | 0.0000 | 0.0000 | 84.516 | 0.04879 | 0.00000 | 316523.1 | 210520.6 | 100632.1 | S |
| 174.058 | 0.0000 | 0.0000 | 84.516 | 0.04879 | 0.00000 | 316523.1 | 210522.1 | 100632.1 | S |
| 174.067 | 0.0000 | 0.0000 | 84.516 | 0.04878 | 0.00000 | 316523.1 | 210523.5 | 100632.1 | S |
| 174.075 | 0.0000 | 0.0000 | 84.516 | 0.04878 | 0.00000 | 316523.1 | 210525.0 | 100632.1 | S |
| 174.083 | 0.0000 | 0.0000 | 84.516 | 0.04878 | 0.00000 | 316523.1 | 210526.5 | 100632.1 | S |
| 174.092 | 0.0000 | 0.0000 | 84.515 | 0.04877 | 0.00000 | 316523.1 | 210527.9 | 100632.1 | S |
| 174.100 | 0.0000 | 0.0000 | 84.515 | 0.04877 | 0.00000 | 316523.1 | 210529.4 | 100632.1 | S |
| 174.108 | 0.0000 | 0.0000 | 84.515 | 0.04876 | 0.00000 | 316523.1 | 210530.9 | 100632.1 | S |
| 174.117 | 0.0000 | 0.0000 | 84.515 | 0.04876 | 0.00000 | 316523.1 | 210532.3 | 100632.1 | S |
| 174.125 | 0.0000 | 0.0000 | 84.515 | 0.04875 | 0.00000 | 316523.1 | 210533.8 | 100632.1 | S |
| 174.133 | 0.0000 | 0.0000 | 84.515 | 0.04875 | 0.00000 | 316523.1 | 210535.3 | 100632.1 | S |
| 174.142 | 0.0000 | 0.0000 | 84.515 | 0.04875 | 0.00000 | 316523.1 | 210536.7 | 100632.1 | S |
| 174.150 | 0.0000 | 0.0000 | 84.515 | 0.04874 | 0.00000 | 316523.1 | 210538.2 | 100632.1 | S |
| 174.158 | 0.0000 | 0.0000 | 84.514 | 0.04874 | 0.00000 | 316523.1 | 210539.6 | 100632.1 | S |
| 174.167 | 0.0000 | 0.0000 | 84.514 | 0.04873 | 0.00000 | 316523.1 | 210541.1 | 100632.1 | S |
| 174.175 | 0.0000 | 0.0000 | 84.514 | 0.04873 | 0.00000 | 316523.1 | 210542.6 | 100632.1 | S |
| 174.183 | 0.0000 | 0.0000 | 84.514 | 0.04872 | 0.00000 | 316523.1 | 210544.0 | 100632.1 | S |
| 174.192 | 0.0000 | 0.0000 | 84.514 | 0.04872 | 0.00000 | 316523.1 | 210545.5 | 100632.1 | S |
| 174.200 | 0.0000 | 0.0000 | 84.514 | 0.04872 | 0.00000 | 316523.1 | 210547.0 | 100632.1 | S |
| 174.208 | 0.0000 | 0.0000 | 84.514 | 0.04871 | 0.00000 | 316523.1 | 210548.4 | 100632.1 | S |
| 174.217 | 0.0000 | 0.0000 | 84.514 | 0.04871 | 0.00000 | 316523.1 | 210549.9 | 100632.1 | S |
| 174.225 | 0.0000 | 0.0000 | 84.513 | 0.04870 | 0.00000 | 316523.1 | 210551.3 | 100632.1 | S |
| 174.233 | 0.0000 | 0.0000 | 84.513 | 0.04870 | 0.00000 | 316523.1 | 210552.8 | 100632.1 | S |
| 174.242 | 0.0000 | 0.0000 | 84.513 | 0.04869 | 0.00000 | 316523.1 | 210554.3 | 100632.1 | S |
| 174.250 | 0.0000 | 0.0000 | 84.513 | 0.04869 | 0.00000 | 316523.1 | 210555.7 | 100632.1 | S |
| 174.258 | 0.0000 | 0.0000 | 84.513 | 0.04869 | 0.00000 | 316523.1 | 210557.2 | 100632.1 | S |
| 174.267 | 0.0000 | 0.0000 | 84.513 | 0.04868 | 0.00000 | 316523.1 | 210558.6 | 100632.1 | S |
| 174.275 | 0.0000 | 0.0000 | 84.513 | 0.04868 | 0.00000 | 316523.1 | 210560.1 | 100632.1 | S |
| 174.283 | 0.0000 | 0.0000 | 84.512 | 0.04867 | 0.00000 | 316523.1 | 210561.6 | 100632.1 | S |
| 174.292 | 0.0000 | 0.0000 | 84.512 | 0.04867 | 0.00000 | 316523.1 | 210563.0 | 100632.1 | S |
| 174.300 | 0.0000 | 0.0000 | 84.512 | 0.04866 | 0.00000 | 316523.1 | 210564.5 | 100632.1 | S |
| 174.308 | 0.0000 | 0.0000 | 84.512 | 0.04866 | 0.00000 | 316523.1 | 210565.9 | 100632.1 | S |
| 174.317 | 0.0000 | 0.0000 | 84.512 | 0.04866 | 0.00000 | 316523.1 | 210567.4 | 100632.1 | S |
| 174.325 | 0.0000 | 0.0000 | 84.512 | 0.04865 | 0.00000 | 316523.1 | 210568.9 | 100632.1 | S |
| 174.333 | 0.0000 | 0.0000 | 84.512 | 0.04865 | 0.00000 | 316523.1 | 210570.3 | 100632.1 | S |
| 174.342 | 0.0000 | 0.0000 | 84.512 | 0.04864 | 0.00000 | 316523.1 | 210571.8 | 100632.1 | S |
| 174.350 | 0.0000 | 0.0000 | 84.511 | 0.04864 | 0.00000 | 316523.1 | 210573.2 | 100632.1 | S |
| 174.358 | 0.0000 | 0.0000 | 84.511 | 0.04863 | 0.00000 | 316523.1 | 210574.7 | 100632.1 | S |
| 174.367 | 0.0000 | 0.0000 | 84.511 | 0.04863 | 0.00000 | 316523.1 | 210576.2 | 100632.1 | S |
| 174.375 | 0.0000 | 0.0000 | 84.511 | 0.04863 | 0.00000 | 316523.1 | 210577.6 | 100632.1 | S |
| 174.383 | 0.0000 | 0.0000 | 84.511 | 0.04862 | 0.00000 | 316523.1 | 210579.1 | 100632.1 | S |
| 174.392 | 0.0000 | 0.0000 | 84.511 | 0.04862 | 0.00000 | 316523.1 | 210580.5 | 100632.1 | S |
| 174.400 | 0.0000 | 0.0000 | 84.511 | 0.04861 | 0.00000 | 316523.1 | 210582.0 | 100632.1 | S |
| 174.408 | 0.0000 | 0.0000 | 84.511 | 0.04861 | 0.00000 | 316523.1 | 210583.5 | 100632.1 | S |
| 174.417 | 0.0000 | 0.0000 | 84.510 | 0.04860 | 0.00000 | 316523.1 | 210584.9 | 100632.1 | S |
| 174.425 | 0.0000 | 0.0000 | 84.510 | 0.04860 | 0.00000 | 316523.1 | 210586.4 | 100632.1 | S |
| 174.433 | 0.0000 | 0.0000 | 84.510 | 0.04860 | 0.00000 | 316523.1 | 210587.8 | 100632.1 | S |
| 174.442 | 0.0000 | 0.0000 | 84.510 | 0.04859 | 0.00000 | 316523.1 | 210589.3 | 100632.1 | S |
| 174.450 | 0.0000 | 0.0000 | 84.510 | 0.04859 | 0.00000 | 316523.1 | 210590.7 | 100632.1 | S |
| 174.458 | 0.0000 | 0.0000 | 84.510 | 0.04858 | 0.00000 | 316523.1 | 210592.2 | 100632.1 | S |
| 174.467 | 0.0000 | 0.0000 | 84.510 | 0.04858 | 0.00000 | 316523.1 | 210593.7 | 100632.1 | S |
| 174.475 | 0.0000 | 0.0000 | 84.510 | 0.04857 | 0.00000 | 316523.1 | 210595.1 | 100632.1 | S |
| 174.483 | 0.0000 | 0.0000 | 84.509 | 0.04857 | 0.00000 | 316523.1 | 210596.6 | 100632.1 | S |
| 174.492 | 0.0000 | 0.0000 | 84.509 | 0.04857 | 0.00000 | 316523.1 | 210598.0 | 100632.1 | S |
| 174.500 | 0.0000 | 0.0000 | 84.509 | 0.04856 | 0.00000 | 316523.1 | 210599.5 | 100632.1 | S |
| \$74.508 | 0.0000 | 0.0000 | 84.509 | 0.04856 | 0.00000 | 316523.1 | 210600.9 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation ( f datum) | infiltration Rate ( $\mathrm{ft}^{3 / 3}$ ) | Overfiow Discharge ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Voiume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 174.517 | 0.0000 | 0.0000 | 84.509 | 0.04855 | 0.00000 | 316523.1 | 210602.4 | 100632.1 | S |
| 174.525 | 0.0000 | 0.0000 | 84.509 | 0.04855 | 0.00000 | 316523.1 | 210603.8 | 100632.1 | S |
| 174.533 | 0.0000 | 0.0000 | 84.509 | 0.04854 | 0.00000 | 316523.1 | 210605.3 | 100632.1 | S |
| 174.542 | 0.0000 | 0.0000 | 84.509 | 0.04854 | 0.00000 | 316523.1 | 210606.8 | 100632.1 | S |
| 174.550 | 0.0000 | 0.0000 | 84.508 | 0.04854 | 0.00000 | 316523.1 | 210608.2 | 100632.1 | S |
| 174.558 | 0.0000 | 0.0000 | 84.508 | 0.04853 | 0.00000 | 316523.1 | 210609.7 | 100632.1 | S |
| 174.567 | 0.0000 | 0.0000 | 84.508 | 0.04853 | 0.00000 | 316523.1 | 210611.1 | 100632.1 | S |
| 174.575 | 0.0000 | 0.0000 | 84.508 | 0.04852 | 0.00000 | 316523.1 | 210612.6 | 100632.1 | S |
| 174.583 | 0.0000 | 0.0000 | 84.508 | 0.04852 | 0.00000 | 316523.1 | 210614.0 | 100632.1 | S |
| 174.592 | 0.0000 | 0.0000 | 84.508 | 0.04851 | 0.00000 | 316523.1 | 210615.5 | 100632.1 | S |
| 174.600 | 0.0000 | 0.0000 | 84.508 | 0.04851 | 0.00000 | 316523.1 | 210617.0 | 100632.1 | S |
| 174.608 | 0.0000 | 0.0000 | 84.508 | 0.04851 | 0.00000 | 316523.1 | 210618.4 | 100632.1 | S |
| 174.617 | 0.0000 | 0.0000 | 84.507 | 0.04850 | 0.00000 | 316523.1 | 210619.9 | 100632.1 | S |
| 174.625 | 0.0000 | 0.0000 | 84.507 | 0.04850 | 0.00000 | 316523.1 | 210621.3 | 100632.1 | S |
| 174.633 | 0.0000 | 0.0000 | 84.507 | 0.04849 | 0.00000 | 316523.1 | 210622.8 | 100632.1 | S |
| 174.642 | 0.0000 | 0.0000 | 84.507 | 0.04849 | 0.00000 | 316523.1 | 210624.2 | 100632.1 | S |
| 174.650 | 0.0000 | 0.0000 | 84.507 | 0.04848 | 0.00000 | 316523.1 | 210625.7 | 100632.1 | S |
| 174.658 | 0.0000 | 0.0000 | 84.507 | 0.04848 | 0.00000 | 316523.1 | 210627.1 | 100632.1 | S |
| 174.667 | 0.0000 | 0.0000 | 84.507 | 0.04848 | 0.00000 | 316523.1 | 210628.6 | 100632.1 | S |
| 174.675 | 0.0000 | 0.0000 | 84.506 | 0.04847 | 0.00000 | 316523.1 | 210630.0 | 100632.1 | S |
| 174.683 | 0.0000 | 0.0000 | 84.506 | 0.04847 | 0.00000 | 316523.1 | 210631.5 | 100632.1 | S |
| 174.692 | 0.0000 | 0.0000 | 84.506 | 0.04846 | 0.00000 | 316523.1 | 210633.0 | 100632.1 | S |
| 174.700 | 0.0000 | 0.0000 | 84.506 | 0.04846 | 0.00000 | 316523.1 | 210634.4 | 100632.1 | S |
| 174.708 | 0.0000 | 0.0000 | 84.506 | 0.04845 | 0.00000 | 316523.1 | 210635.9 | 100632.1 | S |
| 174.717 | 0.0000 | 0.0000 | 84.506 | 0.04845 | 0.00000 | 316523.1 | 210637.3 | 100632.1 | S |
| 174.725 | 0.0000 | 0.0000 | 84.506 | 0.04845 | 0.00000 | 316523.1 | 210638.8 | 100632.1 | S |
| 174.733 | 0.0000 | 0.0000 | 84.506 | 0.04844 | 0.00000 | 316523.1 | 210640.2 | 100632.1 | S |
| 174.742 | 0.0000 | 0.0000 | 84.505 | 0.04844 | 0.00000 | 316523.1 | 210641.7 | 100632.1 | S |
| 174.750 | 0.0000 | 0.0000 | 84.505 | 0.04843 | 0.00000 | 316523.1 | 210643.1 | 100632.1 | S |
| 174.758 | 0.0000 | 0.0000 | 84.505 | 0.04843 | 0.00000 | 316523.1 | 210644.6 | 100632.1 | S |
| 174.767 | 0.0000 | 0.0000 | 84.505 | 0.04842 | 0.00000 | 316523.1 | 210646.0 | 100632.1 | S |
| 174.775 | 0.0000 | 0.0000 | 84.505 | 0.04842 | 0.00000 | 316523.1 | 210647.5 | 100632.1 | S |
| 174.783 | 0.0000 | 0.0000 | 84.505 | 0.04842 | 0.00000 | 316523.1 | 210648.9 | 100632.1 | S |
| 174.792 | 0.0000 | 0.0000 | 84.505 | 0.04841 | 0.00000 | 316523.1 | 210650.4 | 100632.1 | S |
| $\$ 74.800$ | 0.0000 | 0.0000 | 84.505 | 0.04841 | 0.00000 | 316523.1 | 210651.8 | 100632.1 | S |
| 174.808 | 0.0000 | 0.0000 | 84.504 | 0.04840 | 0.00000 | 316523.1 | 210653.3 | 100632.1 | S |
| 174.817 | 0.0000 | 0.0000 | 84.504 | 0.04840 | 0.00000 | 316523.1 | 210654.8 | 100632.1 | S |
| 174.825 | 0.0000 | 0.0000 | 84.504 | 0.04839 | 0.00000 | 316523.1 | 210656.2 | 100632.1 | S |
| 174.833 | 0.0000 | 0.0000 | 84.504 | 0.04839 | 0.00000 | 316523.1 | 210657.7 | 100632.1 | S |
| 174.842 | 0.0000 | 0.0000 | 84.504 | 0.04839 | 0.00000 | 316523.1 | 210659.1 | 100632.1 | S |
| 174.850 | 0.0000 | 0.0000 | 84.504 | 0.04838 | 0.00000 | 316523.1 | 210660.5 | 100632.1 | S |
| 174.858 | 0.0000 | 0.0000 | 84.504 | 0.04838 | 0.00000 | 316523.1 | 210662.0 | 100632.1 | S |
| 174.867 | 0.0000 | 0.0000 | 84.504 | 0.04837 | 0.00000 | 316523.1 | 210663.5 | 100632.1 | S |
| 174.875 | 0.0000 | 0.0000 | 84.503 | 0.04837 | 0.00000 | 316523.1 | 210664.9 | 100632.1 | S |
| 174.883 | 0.0000 | 0.0000 | 84.503 | 0.04836 | 0.00000 | 316523.1 | 210666.4 | 100632.1 | S |
| 174.892 | 0.0000 | 0.0000 | 84.503 | 0.04836 | 0.00000 | 316523.1 | 210667.8 | 100632.1 | S |
| 174.900 | 0.0000 | 0.0000 | 84.503 | 0.04836 | 0.00000 | 316523.1 | 210669.3 | 100632.1 | S |
| 174.908 | 0.0000 | 0.0000 | 84.503 | 0.04835 | 0.00000 | 316523.1 | 210670.7 | 100632.1 | S |
| 174.917 | 0.0000 | 0.0000 | 84.503 | 0.04835 | 0.00000 | 316523.1 | 210672.2 | 100632.1 | S |
| 174.925 | 0.0000 | 0.0000 | 84.503 | 0.04834 | 0.00000 | 316523.1 | 210673.6 | 100632.1 | S |
| 174.933 | 0.0000 | 0.0000 | 84.503 | 0.04834 | 0.00000 | 316523.1 | 210675.1 | 100632.1 | S |
| 174.942 | 0.0000 | 0.0000 | 84.502 | 0.04833 | 0.00000 | 316523.1 | 210676.5 | 100632.1 | S |
| 174.950 | 0.0000 | 0.0000 | 84.502 | 0.04833 | 0.00000 | 316523.1 | 210678.0 | 100632.1 | S |
| 174.958 | 0.0000 | 0.0000 | 84.502 | 0.04833 | 0.00000 | 316523.1 | 210679.4 | 100632.1 | S |
| 174.967 | 0.0000 | 0.0000 | 84.502 | 0.04832 | 0.00000 | 316523.1 | 210680.9 | 100632.1 | S |
| 174.975 | 0.0000 | 0.0000 | 84.502 | 0.04832 | 0.00000 | 316523.1 | 210682.3 | 100632.1 | S |
| 174.983 | 0.0000 | 0.0000 | 84.502 | 0.04831 | 0.00000 | 316523.1 | 210683.8 | 100632.1 | S |
| 174.992 | 0.0000 | 0.0000 | 84.502 | 0.04831 | 0.00000 | 316523.1 | 210685.2 | 100632.1 | S |
| 175.000 | 0.0000 | 0.0000 | 84.502 | 0.04830 | 0.00000 | 316523.1 | 210686.7 | 100632.1 | S |
| 175.008 | 0.0000 | 0.0000 | 84.501 | 0.04830 | 0.00000 | 316523.1 | 210688.1 | 100632.1 | S |
| 175.017 | 0,0000 | 0.0000 | 84.501 | 0.04830 | 0.00000 | 316523.1 | 210689.6 | 100632.1 | S |
| 175.025 | 0.0000 | 0.0000 | 84.501 | 0.04829 | 0.00000 | 316523.1 | 210691.0 | 100632.1 | S |
| 175.033 | 0.0000 | 0.0000 | 84.501 | 0.04829 | 0.00000 | 316523.1 | 210692.5 | 100632.1 | S |
| 175.042 | 0.0000 | 0.0000 | 84.501 | 0.04828 | 0.00000 | 316523.1 | 210693.9 | 100632.1 | S |
| 175.050 | 0.0000 | 0.0000 | 84.501 | 0.04828 | 0.00000 | 316523.1 | 210695.3 | 100632.1 | S |
| 175.058 | 0.0000 | 0.0000 | 84.501 | 0.04828 | 0.00000 | 316523.1 | 210696.8 | 100632.1 | S |
| 175.067 | 0.0000 | 0.0000 | 84.501 | 0.04827 | 0.00000 | 316523.1 | 210698.3 | 100632.1 | S |
| 175.075 | 0.0000 | 0.0000 | 84.500 | 0.04827 | 0.00000 | 316523.1 | 210699.7 | 100632.1 | S |
| 175.083 | 0.0000 | 0.0000 | 84.500 | 0.04826 | 0.00000 | 316523.1 | 210701.1 | 100632.1 | S |
| 175.092 | 0.0000 | 0.0000 | 84.500 | 0.04826 | 0.00000 | 316523.1 | 210702.6 | 100632.1 | S |
| 175.100 | 0.0000 | 0.0000 | 84.500 | 0.04825 | 0.00000 | 316523.1 | 210704.0 | 100632.1 | S |
| 175.108 | 0.0000 | 0.0000 | 84.500 | 0.04825 | 0.00000 | 316523.1 | 210705.5 | 100632.1 | S |
| 175.117 | 0.0000 | 0.0000 | 84.500 | 0.04825 | 0.00000 | 316523.1 | 210706.9 | 100632.1 | S |
| 175.125 | 0.0000 | 0.0000 | 84.500 | 0.04824 | 0.00000 | 316523.1 | 210708.4 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:: Scenario $1::$ pond10 100 yr $/ 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | inflow Rate ( $\mathrm{ft}^{3 /} \mathrm{s}$ ) | Outside Recharge (fl/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume (fis) | Cumulative infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 175.133 | 0.0000 | 0.0000 | 84.500 | 0.04824 | 0.00000 | 316523.1 | 210709.8 | 100632.1 | S |
| 175.142 | 0.0000 | 0.0000 | 84.499 | 0.04823 | 0.00000 | 376523.1 | 210711.3 | 100632.1 | S |
| 175.150 | 0.0000 | 0.0000 | 84.499 | 0.04823 | 0.00000 | 316523.1 | 210712.7 | 100632.1 | S |
| 175.158 | 0.0000 | 0.0000 | 84.499 | 0.04822 | 0.00000 | 316523.1 | 210714.2 | 100632.1 | S |
| 175.167 | 0.0000 | 0.0000 | 84.499 | 0.04822 | 0.00000 | 316523.1 | 210715.6 | 100632.1 | S |
| 175.175 | 0.0000 | 0.0000 | 84.499 | 0.04822 | 0.00000 | 316523.1 | 210717.1 | 100632.1 | S |
| 175.183 | 0.0000 | 0.0000 | 84.499 | 0.04821 | 0.00000 | 316523.1 | 210718.5 | 100632.1 | S |
| 175.192 | 0.0000 | 0.0000 | 84.499 | 0.04821 | 0.00000 | 316523.1 | 210720.0 | 100632.1 | S |
| 175.200 | 0.0000 | 0.0000 | 84.498 | 0.04820 | 0.00000 | 316523.1 | 210721.4 | 100632.1 | S |
| 175.208 | 0.0000 | 0.0000 | 84.498 | 0.04820 | 0.00000 | 316523.1 | 210722.8 | 100632.1 | S |
| 175.217 | 0.0000 | 0.0000 | 84.498 | 0.04819 | 0.00000 | 316523.1 | 210724.3 | 100632.1 | S |
| 175.225 | 0.0000 | 0.0000 | 84.498 | 0.04819 | 0.00000 | 316523.1 | 210725.7 | 100632.1 | S |
| 175.233 | 0.0000 | 0.0000 | 84.498 | 0.04819 | 0.00000 | 316523.1 | 210727.2 | 100632.1 | S |
| 175.242 | 0.0000 | 0.0000 | 84.498 | 0.04818 | 0.00000 | 316523.1 | 210728.6 | 100632.1 | S |
| 175.250 | 0.0000 | 0.0000 | 84.498 | 0.04818 | 0.00000 | 316523.1 | 210730.1 | 100632.1 | S |
| 175.258 | 0.0000 | 0.0000 | 84.498 | 0.04817 | 0.00000 | 316523.1 | 210731.5 | 100632.1 | S |
| 175.267 | 0.0000 | 0.0000 | 84.497 | 0.04817 | 0.00000 | 316523.1 | 210733.0 | 100632.1 | S |
| 175.275 | 0.0000 | 0.0000 | 84.497 | 0.04816 | 0.00000 | 316523.1 | 210734.4 | 100632.1 | S |
| 175.283 | 0.0000 | 0.0000 | 84.497 | 0.04816 | 0.00000 | 316523.1 | 210735.9 | 100632.1 | S |
| 175.292 | 0.0000 | 0.0000 | 84.497 | 0.04816 | 0.00000 | 316523.1 | 210737.3 | 100632.1 | S |
| 175.300 | 0.0000 | 0.0000 | 84.497 | 0.04815 | 0.00000 | 316523.1 | 210738.8 | 100632.1 | S |
| 175.308 | 0.0000 | 0.0000 | 84.497 | 0.04815 | 0.00000 | 316523.1 | 210740.2 | 100632.1 | S |
| 175.317 | 0.0000 | 0.0000 | 84.497 | 0.04814 | 0.00000 | 316523.1 | 210741.6 | 100632.1 | S |
| 175.325 | 0.0000 | 0.0000 | 84.497 | 0.04814 | 0.00000 | 316523.1 | 210743.1 | 100632.1 | S |
| 175.333 | 0.0000 | 0.0000 | 84.496 | 0.04814 | 0.00000 | 316523.1 | 210744.5 | 100632.1 | S |
| 175.342 | 0.0000 | 0.0000 | 84.496 | 0.04813 | 0.00000 | 316523.1 | 210746.0 | 100632.1 | S |
| 175.350 | 0.0000 | 0.0000 | 84.496 | 0.04813 | 0.00000 | 316523.1 | 210747.4 | 100632.1 | S |
| 175.358 | 0.0000 | 0.0000 | 84.496 | 0.04812 | 0.00000 | 316523.1 | 210748.9 | 100632.1 | S |
| 175.367 | 0.0000 | 0.0000 | 84.496 | 0.04812 | 0.00000 | 316523.1 | 210750.3 | 100632.1 | S |
| 175.375 | 0.0000 | 0.0000 | 84.496 | 0.04811 | 0.00000 | 316523.1 | 210751.7 | 100632.1 | S |
| 175.383 | 0.0000 | 0.0000 | 84.496 | 0.04811 | 0.00000 | 316523.1 | 210753.2 | 100632.1 | S |
| 175.392 | 0.0000 | 0.0000 | 84.496 | 0.04811 | 0.00000 | 316523.1 | 210754.6 | 100632.1 | S |
| 175.400 | 0.0000 | 0.0000 | 84.495 | 0.04810 | 0.00000 | 316523.1 | 210756.1 | 100632.1 | S |
| 175.408 | 0.0000 | 0.0000 | 84.495 | 0.04810 | 0.00000 | 316523.1 | 210757.5 | 100632.1 | S |
| 175.417 | 0.0000 | 0.0000 | 84.495 | 0.04809 | 0.00000 | 316523.1 | 210759.0 | 100632.1 | S |
| 175.425 | 0.0000 | 0.0000 | 84.495 | 0.04809 | 0.00000 | 316523.1 | 210760.4 | 100632.1 | S |
| 175.433 | 0.0000 | 0.0000 | 84.495 | 0.04808 | 0.00000 | 316523.1 | 210761.8 | 100632.1 | S |
| 175.442 | 0.0000 | 0.0000 | 84.495 | 0.04808 | 0.00000 | 316523.1 | 210763.3 | 100632.1 | S |
| 175.450 | 0.0000 | 0.0000 | 84.495 | 0.04808 | 0.00000 | 316523.1 | 210764.7 | 100632.1 | S |
| 175.458 | 0.0000 | 0.0000 | 84.495 | 0.04807 | 0.00000 | 316523.1 | 210766.2 | 100632.1 | S |
| 175.467 | 0.0000 | 0.0000 | 84.494 | 0.04807 | 0.00000 | 316523.1 | 210767.6 | 100632.1 | S |
| 175.475 | 0.0000 | 0.0000 | 84.494 | 0.04806 | 0.00000 | 316523.1 | 210769.0 | 100632.1 | S |
| 175.483 | 0.0000 | 0.0000 | 84.494 | 0.04806 | 0.00000 | 316523.1 | 210770.5 | 100632.1 | S |
| 175.492 | 0.0000 | 0.0000 | 84.494 | 0.04805 | 0.00000 | 316523.1 | 210771.9 | 100632.1 | S |
| 175.500 | 0.0000 | 0.0000 | 84.494 | 0.04805 | 0.00000 | 316523.1 | 210773.4 | 100632.1 | S |
| 175.508 | 0.0000 | 0.0000 | 84.494 | 0.04805 | 0.00000 | 316523.1 | 210774.8 | 100632.1 | S |
| 175.517 | 0.0000 | 0.0000 | 84.494 | 0.04804 | 0.00000 | 316523.1 | 210776.3 | 100632.1 | S |
| 175.525 | 0.0000 | 0.0000 | 84.494 | 0.04804 | 0.00000 | 316523.1 | 210777.7 | 100632.1 | S |
| 175.533 | 0.0000 | 0.0000 | 84.493 | 0.04803 | 0.00000 | 316523.1 | 210779.1 | 100632.1 | S |
| 175.542 | 0.0000 | 0.0000 | 84.493 | 0.04803 | 0.00000 | 316523.1 | 210780.6 | 100632.1 | S |
| 175.550 | 0.0000 | 0.0000 | 84.493 | 0.04803 | 0.00000 | 316523.1 | 210782.0 | 100632.1 | S |
| 175.558 | 0.0000 | 0.0000 | 84.493 | 0.04802 | 0.00000 | 316523.1 | 210783.5 | 100632.1 | S |
| 175.567 | 0.0000 | 0.0000 | 84.493 | 0.04802 | 0.00000 | 316523.1 | 210784.9 | 100632.1 | S |
| 175.575 | 0.0000 | 0.0000 | 84.493 | 0.04801 | 0.00000 | 316523.1 | 210786.3 | 100632.1 | S |
| 175.583 | 0.0000 | 0.0000 | 84.493 | 0.04801 | 0.00000 | 316523.1 | 210787.8 | 100632.1 | S |
| 175.592 | 0.0000 | 0.0000 | 84.493 | 0.04800 | 0.00000 | 316523.1 | 210789.2 | 100632.1 | S |
| 175.600 | 0.0000 | 0.0000 | 84.492 | 0.04800 | 0.00000 | 316523.1 | 210790.7 | 100632.1 | S |
| 175.608 | 0.0000 | 0.0000 | 84.492 | 0.04800 | 0.00000 | 316523.1 | 210792.1 | 100632.1 | S |
| 175.617 | 0.0000 | 0.0000 | 84.492 | 0.04799 | 0.00000 | 316523.1 | 210793.5 | 100632.1 | S |
| 175.625 | 0.0000 | 0.0000 | 84.492 | 0.04799 | 0.00000 | 316523.1 | 210795.0 | 100632.1 | S |
| 175.633 | 0.0000 | 0.0000 | 84.492 | 0.04798 | 0.00000 | 316523.1 | 210796.4 | 100632.1 | S |
| 175.642 | 0.0000 | 0.0000 | 84.492 | 0.04798 | 0.00000 | 316523.1 | 210797.9 | 100632.1 | S |
| 175.650 | 0.0000 | 0.0000 | 84.492 | 0.04797 | 0.00000 | 316523.1 | 210799.3 | 100632.1 | S |
| 175.658 | 0.0000 | 0.0000 | 84.492 | 0.04797 | 0.00000 | 316523.1 | 210800.8 | 100632.1 | S |
| 175.667 | 0.0000 | 0.0000 | 84.491 | 0.04797 | 0.00000 | 316523.1 | 210802.2 | 100632.1 | S |
| 175.675 | 0.0000 | 0.0000 | 84.491 | 0.04796 | 0.00000 | 316523.1 | 210803.6 | 100632.1 | S |
| 175.683 | 0.0000 | 0.0000 | 84.491 | 0.04796 | 0.00000 | 316523.1 | 210805.1 | 100632.1 | S |
| 175.692 | 0.0000 | 0.0000 | 84.491 | 0.04795 | 0.00000 | 316523.1 | 210806.5 | 100632.1 | S |
| 175.700 | 0.0000 | 0.0000 | 84.491 | 0.04795 | 0.00000 | 316523.1 | 210807.9 | 100632.1 | S |
| 175.708 | 0.0000 | 0.0000 | 84.491 | 0.04794 | 0.00000 | 316523.1 | 210809.4 | 100632.1 | S |
| 175.717 | 0.0000 | 0.0000 | 84.491 | 0.04794 | 0.00000 | 316523.1 | 210810.8 | 100632.1 | S |
| 175.725 | 0.0000 | 0.0000 | 84.490 | 0.04794 | 0.00000 | 316523.1 | 210812.3 | 100632.4 | S |
| 175.733 | 0.0000 | 0.0000 | 84.490 | 0.04793 | 0.00000 | 316523.1 | 210813.7 | 100632.1 | S |
| 175.742 | 0.0000 | 0.0000 | 84.490 | 0.04793 | 0.00000 | 316523.1 | 210815.1 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (f/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative infilitration Volume $\left(\mathrm{f}^{3}\right)$ | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 175.750 | 0.0000 | 0.0000 | 84.490 | 0.04792 | 0.00000 | 316523.1 | 210816.6 | 100632.1 | S |
| 175.758 | 0.0000 | 0.0000 | 84.490 | 0.04792 | 0.00000 | 316523.1 | 210818.0 | 100632.1 | S |
| 175.767 | 0.0000 | 0.0000 | 84.490 | 0.04792 | 0.00000 | 316523.1 | 210819.4 | 100632.1 | S |
| 175.775 | 0.0000 | 0.0000 | 84.490 | 0.04791 | 0.00000 | 316523.1 | 210820.9 | 100632.1 | S |
| 175.783 | 0.0000 | 0.0000 | 84.490 | 0.04791 | 0.00000 | 316523.1 | 210822.3 | 100632.1 | S |
| 175.792 | 0.0000 | 0.0000 | 84.489 | 0.04790 | 0.00000 | 316523.1 | 210823.8 | 100632.1 | S |
| 175.800 | 0.0000 | 0.0000 | 84.489 | 0.04790 | 0.00000 | 316523.1 | 210825.2 | 100632.1 | S |
| 175.808 | 0.0000 | 0.0000 | 84.489 | 0.04789 | 0.00000 | 316523.1 | 210826.6 | 100632.1 | S |
| 175.817 | 0.0000 | 0.0000 | 84.489 | 0.04789 | 0.00000 | 316523.1 | 210828.1 | 100632.1 | S |
| 175.825 | 0.0000 | 0.0000 | 84.489 | 0.04789 | 0.00000 | 316523.1 | 210829.5 | 100632.1 | S |
| 175.833 | 0.0000 | 0.0000 | 84.489 | 0.04788 | 0.00000 | 316523.1 | 210830.9 | 100632.1 | S |
| 175.842 | 0.0000 | 0.0000 | 84.489 | 0.04788 | 0.00000 | 316523.1 | 210832.4 | 100632.1 | S |
| 175.850 | 0.0000 | 0.0000 | 84.489 | 0.04787 | 0.00000 | 316523.1 | 210833.8 | 100632.1 | S |
| 175.858 | 0.0000 | 0.0000 | 84.488 | 0.04787 | 0.00000 | 316523.1 | 210835.3 | 100632.1 | S |
| 175.867 | 0.0000 | 0.0000 | 84.488 | 0.04786 | 0.00000 | 316523.1 | 210836.7 | 100632.4 | S |
| 175.875 | 0.0000 | 0.0000 | 84.488 | 0.04786 | 0.00000 | 316523.1 | 210838.1 | 100632.1 | S |
| 175.883 | 0.0000 | 0.0000 | 84.488 | 0.04786 | 0.00000 | 316523.1 | 210839.5 | 100632.1 | S |
| 175.892 | 0.0000 | 0.0000 | 84.488 | 0.04785 | 0.00000 | 316523.1 | 210841.0 | 100632.1 | S |
| 175.900 | 0.0000 | 0.0000 | 84.488 | 0.04785 | 0.00000 | 316523.1 | 210842.4 | 100632.1 | S |
| 175.908 | 0.0000 | 0.0000 | 84.488 | 0.04784 | 0.00000 | 316523.1 | 210843.9 | 100632.1 | S |
| 175.917 | 0.0000 | 0.0000 | 84.488 | 0.04784 | 0.00000 | 316523.1 | 210845.3 | 100632.1 | S |
| 175.925 | 0.0000 | 0.0000 | 84.487 | 0.04784 | 0.00000 | 316523.1 | 210846.7 | 100632.1 | S |
| 175.933 | 0.0000 | 0.0000 | 84.487 | 0.04783 | 0.00000 | 316523.1 | 210848.2 | 100632.1 | S |
| 175.942 | 0.0000 | 0.0000 | 84.487 | 0.04783 | 0.00000 | 316523.1 | 210849.6 | 100632.1 | S |
| 175.950 | 0.0000 | 0.0000 | 84.487 | 0.04782 | 0.00000 | 316523.1 | 210851.0 | 100632.1 | S |
| 175.958 | 0.0000 | 0.0000 | 84.487 | 0.04782 | 0.00000 | 316523.1 | 210852.5 | 100632.1 | S |
| 175.967 | 0.0000 | 0.0000 | 84.487 | 0.04781 | 0.00000 | 316523.1 | 210853.9 | 100632.1 | S |
| 175.975 | 0.0000 | 0.0000 | 84.487 | 0.04781 | 0.00000 | 316523.1 | 210855.3 | 100632.1 | S |
| 175.983 | 0.0000 | 0.0000 | 84.487 | 0.04781 | 0.00000 | 316523.1 | 210856.8 | 100632.1 | S |
| 175.992 | 0.0000 | 0.0000 | 84.486 | 0.04780 | 0.00000 | 316523.1 | 210858.2 | 100632.1 | S |
| 176.000 | 0.0000 | 0.0000 | 84.486 | 0.04780 | 0.00000 | 316523.1 | 210859.6 | 100632.1 | S |
| 176.008 | 0.0000 | 0.0000 | 84.486 | 0.04779 | 0.00000 | 316523.1 | 210861.1 | 100632.1 | S |
| 176.017 | 0.0000 | 0.0000 | 84.486 | 0.04779 | 0.00000 | 316523.1 | 210862.5 | 100632.1 | S |
| 176.025 | 0.0000 | 0.0000 | 84.486 | 0.04778 | 0.00000 | 316523.1 | 210863.9 | 100632.1 | S |
| 176.033 | 0.0000 | 0.0000 | 84.486 | 0.04778 | 0.00000 | 316523.1 | 210865.4 | 100632.1 | S |
| 176.042 | 0.0000 | 0.0000 | 84.486 | 0.04778 | 0.00000 | 316523.1 | 210866.8 | 100632.1 | S |
| 176.050 | 0.0000 | 0.0000 | 84.486 | 0.04777 | 0.00000 | 316523.1 | 210868.3 | 100632.1 | S |
| 176.058 | 0.0000 | 0.0000 | 84.485 | 0.04777 | 0.00000 | 316523.1 | 210869.7 | 100632.1 | S |
| 176.067 | 0.0000 | 0.0000 | 84.485 | 0.04776 | 0.00000 | 316523.1 | 210871.1 | 100632.1 | S |
| 176.075 | 0.0000 | 0.0000 | 84.485 | 0.04776 | 0.00000 | 316523.1 | 210872.5 | 100632.1 | S |
| 176.083 | 0.0000 | 0.0000 | 84.485 | 0.04776 | 0.00000 | 316523.1 | 210874.0 | 100632.1 | S |
| 176.092 | 0.0000 | 0.0000 | 84.485 | 0.04775 | 0.00000 | 316523.1 | 210875.4 | 100632.1 | S |
| 176.100 | 0.0000 | 0.0000 | 84.485 | 0.04775 | 0.00000 | 316523.1 | 210876.8 | 100632.1 | S |
| 176.108 | 0.0000 | 0.0000 | 84.485 | 0.04774 | 0.00000 | 316523.1 | 210878.3 | 100632.1 | S |
| 176.117 | 0.0000 | 0.0000 | 84.485 | 0.04774 | 0.00000 | 316523.1 | 210879.7 | 100632.1 | S |
| 176.125 | 0.0000 | 0.0000 | 84.484 | 0.04773 | 0.00000 | 316523.1 | 210881.1 | 100632.1 | S |
| 176.133 | 0.0000 | 0.0000 | 84.484 | 0.04773 | 0.00000 | 316523.1 | 210882.6 | 100632.1 | S |
| 176.142 | 0.0000 | 0.0000 | 84.484 | 0.04773 | 0.00000 | 316523.1 | 210884.0 | 100632.1 | S |
| 176.150 | 0.0000 | 0.0000 | 84.484 | 0.04772 | 0.00000 | 316523.1 | 210885.4 | 100632.1 | S |
| 176.158 | 0.0000 | 0.0000 | 84.484 | 0.04772 | 0.00000 | 316523.1 | 210886.9 | 100632.3 | S |
| 176.167 | 0.0000 | 0.0000 | 84.484 | 0.04771 | 0.00000 | 316523.1 | 210888.3 | 100632.1 | S |
| 176.175 | 0.0000 | 0.0000 | 84.484 | 0.04771 | 0.00000 | 316523.1 | 210889.7 | 100632.1 | S |
| 176.183 | 0.0000 | 0.0000 | 84.484 | 0.04771 | 0.00000 | 316523.1 | 210891.2 | 100632.1 | S |
| 176.192 | 0.0000 | 0.0000 | 84.483 | 0.04770 | 0.00000 | 376523.1 | 210892.6 | 100632.1 | S |
| 176.200 | 0.0000 | 0.0000 | 84.483 | 0.04770 | 0.00000 | 316523.1 | 210894.0 | 100632.1 | S |
| 176.208 | 0.0000 | 0.0000 | 84.483 | 0.04769 | 0.00000 | 316523.1 | 210895.5 | 100632.1 | S |
| 176.217 | 0.0000 | 0.0000 | 84.483 | 0.04769 | 0.00000 | 316523.1 | 210896.9 | 100632.1 | S |
| 176.225 | 0.0000 | 0.0000 | 84.483 | 0.04768 | 0.00000 | 316523.1 | 210898.3 | 100632.1 | S |
| 176.233 | 0.0000 | 0.0000 | 84.483 | 0.04768 | 0.00000 | 316523.1 | 210899.7 | 100632.1 | S |
| 176.242 | 0.0000 | 0.0000 | 84.483 | 0.04768 | 0.00000 | 316523.1 | 210901.2 | 100632.1 | S |
| 176.250 | 0.0000 | 0.0000 | 84.483 | 0.04767 | 0.00000 | 316523.1 | 210902.6 | 100632.1 | S |
| 176.258 | 0.0000 | 0.0000 | 84.482 | 0.04767 | 0.00000 | 316523.1 | 210904.0 | 100632.1 | S |
| 176.267 | 0.0000 | 0.0000 | 84.482 | 0.04766 | 0.00000 | 316523.1 | 210905.5 | 100632.1 | S |
| 176.275 | 0.0000 | 0.0000 | 84.482 | 0.04766 | 0.00000 | 316523.1 | 210906.9 | 100632.1 | S |
| 176.283 | 0.0000 | 0.0000 | 84.482 | 0.04765 | 0.00000 | 316523.1 | 210908.3 | 100632.1 | S |
| 176.292 | 0.0000 | 0.0000 | 84.482 | 0.04765 | 0.00000 | 316523.1 | 210909.8 | 100632.1 | S |
| 176.300 | 0.0000 | 0.0000 | 84.482 | 0.04765 | 0.00000 | 316523.1 | 210911.2 | 100632.1 | S |
| 176.308 | 0.0000 | 0.0000 | 84.482 | 0.04764 | 0.00000 | 316523.1 | 210912.6 | 100632.1 | S |
| 176.317 | 0.0000 | 0.0000 | 84.482 | 0.04764 | 0.00000 | 316523.1 | 210914.0 | 100632.1 | S |
| 176.325 | 0.0000 | 0.0000 | 84.481 | 0.04763 | 0.00000 | 316523.1 | 210915.5 | 100632.1 | S |
| 176.333 | 0.0000 | 0.0000 | 84.481 | 0.04763 | 0.00000 | 316523.1 | 210916.9 | 100632.1 | S |
| 176.342 | 0.0000 | 0.0000 | 84.481 | 0.04763 | 0.00000 | 316523.1 | 210918.3 | 100632.1 | S |
| 176.350 | 0.0000 | 0.0000 | 84.481 | 0.04762 | 0.00000 | 316523.1 | 210919.8 | 100632.1 | S |
| 176.358 | 0.0000 | 0.0000 | 84.481 | 0.04762 | 0.00000 | 316523.1 | 210921.2 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | inflow Rate (ft ${ }^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{f}^{3 /} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 176.367 | 0.0000 | 0.0000 | 84.481 | 0.04761 | 0.00000 | 316523.1 | 210922.6 | 100632.1 | S |
| 176.375 | 0.0000 | 0.0000 | 84.481 | 0.04761 | 0.00000 | 316523.1 | 210924.0 | 100632.1 | S |
| 176.383 | 0.0000 | 0.0000 | 84.480 | 0.04760 | 0.00000 | 316523.1 | 210925.5 | 100632.1 | S |
| 176.392 | 0.0000 | 0.0000 | 84.480 | 0.04760 | 0.00000 | 316523.1 | 210926.9 | 100632.1 | S |
| 176.400 | 0.0000 | 0.0000 | 84.480 | 0.04760 | 0.00000 | 316523.1 | 210928.3 | 100632.1 | S |
| 176.408 | 0.0000 | 0.0000 | 84.480 | 0.04759 | 0.00000 | 316523.1 | 210929.8 | 100632.1 | S |
| 176.417 | 0.0000 | 0.0000 | 84.480 | 0.04759 | 0.00000 | 316523.1 | 210931.2 | 100632.1 | S |
| 176.425 | 0.0000 | 0.0000 | 84.480 | 0.04758 | 0.00000 | 316523.1 | 210932.6 | 100632.1 | S |
| 176.433 | 0.0000 | 0.0000 | 84.480 | 0.04758 | 0.00000 | 316523.1 | 210934.0 | 100632.1 | S |
| 176.442 | 0.0000 | 0.0000 | 84.480 | 0.04758 | 0.00000 | 316523.1 | 210935.5 | 100632.1 | S |
| 176.450 | 0.0000 | 0.0000 | 84.479 | 0.04757 | 0.00000 | 316523.1 | 210936.9 | 100632.1 | S |
| 176.458 | 0.0000 | 0.0000 | 84.479 | 0.04757 | 0.00000 | 316523.1 | 210938.3 | 100632.1 | S |
| 176.467 | 0.0000 | 0.0000 | 84.479 | 0.04756 | 0.00000 | 316523.1 | 210939.8 | 100632.1 | S |
| 176.475 | 0.0000 | 0.0000 | 84.479 | 0.04756 | 0.00000 | 316523.1 | 210941.2 | 100632.1 | S |
| 176.483 | 0.0000 | 0.0000 | 84.479 | 0.04755 | 0.00000 | 316523.1 | 210942.6 | 100632.1 | S |
| 176.492 | 0.0000 | 0.0000 | 84.479 | 0.04755 | 0.00000 | 316523.1 | 210944.0 | 100632.1 | S |
| 176.500 | 0.0000 | 0.0000 | 84.479 | 0.04755 | 0.00000 | 316523.1 | 210945.5 | 100632.1 | S |
| 176.508 | 0.0000 | 0.0000 | 84.479 | 0.04754 | 0.00000 | 316523.1 | 210946.9 | 100632.1 | S |
| 176.517 | 0.0000 | 0.0000 | 84.478 | 0.04754 | 0.00000 | 316523.1 | 210948.3 | 100632.1 | S |
| 176.525 | 0.0000 | 0.0000 | 84.478 | 0.04753 | 0.00000 | 316523.1 | 210949.7 | 100632.1 | S |
| 176.533 | 0.0000 | 0.0000 | 84.478 | 0.04753 | 0.00000 | 316523.1 | 210951.2 | 100632.1 | S |
| 176.542 | 0.0000 | 0.0000 | 84.478 | 0.04753 | 0.00000 | 316523.1 | 210952.6 | 100632.1 | S |
| 176.550 | 0.0000 | 0.0000 | 84.478 | 0.04752 | 0.00000 | 316523.1 | 210954.0 | 100632.1 | S |
| 176.558 | 0.0000 | 0.0000 | 84.478 | 0.04752 | 0.00000 | 316523.1 | 210955.4 | 100632.1 | S |
| 176.567 | 0.0000 | 0.0000 | 84.478 | 0.04751 | 0.00000 | 316523.1 | 210956.9 | 100632.1 | S |
| 176.575 | 0.0000 | 0.0000 | 84.478 | 0.04751 | 0.00000 | 316523.1 | 210958.3 | 100632.1 | S |
| 176.583 | 0.0000 | 0.0000 | 84.477 | 0.04750 | 0.00000 | 316523.1 | 210959.7 | 100632.1 | S |
| 176.592 | 0.0000 | 0.0000 | 84.477 | 0.04750 | 0.00000 | 316523.1 | 210961.1 | 100632.1 | S |
| 176.600 | 0.0000 | 0.0000 | 84.477 | 0.04750 | 0.00000 | 316523.1 | 210962.6 | 100632.1 | S |
| 176.608 | 0.0000 | 0.0000 | 84.477 | 0.04749 | 0.00000 | 316523.1 | 210964.0 | 100632.1 | S |
| 176.617 | 0.0000 | 0.0000 | 84.477 | 0.04749 | 0.00000 | 316523.1 | 210965.4 | 100632.1 | S |
| 176.625 | 0.0000 | 0.0000 | 84.477 | 0.04748 | 0.00000 | 316523.1 | 210966.8 | 100632.1 | S |
| 176.633 | 0.0000 | 0.0000 | 84.477 | 0.04748 | 0.00000 | 316523.1 | 210968.3 | 100632.1 | S |
| 176.642 | 0.0000 | 0.0000 | 84.477 | 0.04748 | 0.00000 | 316523.1 | 210969.7 | 100632.1 | S |
| 176.650 | 0.0000 | 0.0000 | 84.476 | 0.04747 | 0.00000 | 316523.1 | 210971.1 | 100632.1 | S |
| 176.658 | 0.0000 | 0.0000 | 84.476 | 0.04747 | 0.00000 | 316523.1 | 210972.5 | 100632.1 | S |
| 176.667 | 0.0000 | 0.0000 | 84.476 | 0.04746 | 0.00000 | 316523.1 | 210974.0 | 100632.1 | S |
| 176.675 | 0.0000 | 0.0000 | 84.476 | 0.04746 | 0.00000 | 316523.1 | 210975.4 | 100632.1 | S |
| 176.683 | 0.0000 | 0.0000 | 84.476 | 0.04745 | 0.00000 | 316523.1 | 210976.8 | 100632.1 | S |
| 176.692 | 0.0000 | 0.0000 | 84.476 | 0.04745 | 0.00000 | 316523.1 | 210978.2 | 100632.1 | S |
| 176.700 | 0.0000 | 0.0000 | 84.476 | 0.04745 | 0.00000 | 316523.1 | 210979.6 | 100632.1 | S |
| 176.708 | 0.0000 | 0.0000 | 84.476 | 0.04744 | 0.00000 | 316523.1 | 210981.1 | 100632.1 | S |
| 176.717 | 0.0000 | 0.0000 | 84.475 | 0.04744 | 0.00000 | 316523.1 | 210982.5 | 100632.1 | S |
| 176.725 | 0.0000 | 0.0000 | 84.475 | 0.04743 | 0.00000 | 316523.1 | 210983.9 | 100632.1 | S |
| 176.733 | 0.0000 | 0.0000 | 84.475 | 0.04743 | 0.00000 | 316523.1 | 210985.3 | 100632.1 | S |
| 176.742 | 0.0000 | 0.0000 | 84.475 | 0.04743 | 0.00000 | 316523.1 | 210986.8 | 100632.1 | S |
| 176.750 | 0.0000 | 0.0000 | 84.475 | 0.04742 | 0.00000 | 316523.1 | 210988.2 | 100632.1 | S |
| 176.758 | 0.0000 | 0.0000 | 84.475 | 0.04742 | 0.00000 | 316523.1 | 210989.6 | 100632.1 | S |
| 176.767 | 0.0000 | 0.0000 | 84.475 | 0.04741 | 0.00000 | 316523.1 | 210991.0 | 100632.1 | S |
| 176.775 | 0.0000 | 0.0000 | 84.475 | 0.04741 | 0.00000 | 316523.1 | 210992.5 | 100632.1 | S |
| 176.783 | 0.0000 | 0.0000 | 84.474 | 0.04740 | 0.00000 | 316523.1 | 210993.9 | 100632.1 | S |
| 176.792 | 0.0000 | 0.0000 | 84.474 | 0.04740 | 0.00000 | 316523.1 | 210995.3 | 100632.1 | S |
| 176.800 | 0.0000 | 0.0000 | 84.474 | 0.04740 | 0.00000 | 316523.1 | 210996.7 | 100632.1 | S |
| 176.808 | 0.0000 | 0.0000 | 84.474 | 0.04739 | 0.00000 | 316523.1 | 210998.1 | 100632.1 | S |
| 176.817 | 0.0000 | 0.0000 | 84.474 | 0.04739 | 0.00000 | 316523.1 | 210999.6 | 100632.1 | S |
| 176.825 | 0.0000 | 0.0000 | 84.474 | 0.04738 | 0.00000 | 316523.1 | 211001.0 | 100632.1 | S |
| 176.833 | 0.0000 | 0.0000 | 84.474 | 0.04738 | 0.00000 | 316523.1 | 211002.4 | 100632.1 | S |
| 176.842 | 0.0000 | 0.0000 | 84.474 | 0.04738 | 0.00000 | 316523.1 | 211003.8 | 100632.1 | S |
| \$76.850 | 0.0000 | 0.0000 | 84.473 | 0.04737 | 0.00000 | 316523.1 | 211005.3 | 100632.1 | S |
| 176.858 | 0.0000 | 0.0000 | 84.473 | 0.04737 | 0.00000 | 316523.1 | 211006.7 | 100632.1 | S |
| 176.867 | 0.0000 | 0.0000 | 84.473 | 0.04736 | 0.00000 | 316523.1 | 211008.1 | 100632.1 | S |
| 176.875 | 0.0000 | 0.0000 | 84.473 | 0.04736 | 0.00000 | 316523.1 | 211009.5 | 100632.1 | S |
| 176.883 | 0.0000 | 0.0000 | 84.473 | 0.04735 | 0.00000 | 316523.1 | 211010.9 | 100632.1 | S |
| 176.892 | 0.0000 | 0.0000 | 84.473 | 0.04735 | 0.00000 | 316523.1 | 211012.4 | 100632.1 | S |
| 176.900 | 0.0000 | 0.0000 | 84.473 | 0.04735 | 0.00000 | 316523.1 | 211013.8 | 100632.1 | S |
| 176.908 | 0.0000 | 0.0000 | 84.473 | 0.04734 | 0.00000 | $3 ¢ 6523.1$ | 211015.2 | 100632.1 | S |
| 176.917 | 0.0000 | 0.0000 | 84.472 | 0.04734 | 0.00000 | 316523.1 | 211016.6 | 100632.1 | S |
| 176.925 | 0.0000 | 0.0000 | 84.472 | 0.04733 | 0.00000 | 316523.1 | 211018.0 | 100632.1 | S |
| 176.933 | 0.0000 | 0.0000 | 84.472 | 0.04733 | 0.00000 | 316523.1 | 211019.5 | 100632.1 | S |
| 176.942 | 0.0000 | 0.0000 | 84.472 | 0.04733 | 0.00000 | 316523.1 | 211020.9 | 100632.1 | S |
| 176.950 | 0.0000 | 0.0000 | 84.472 | 0.04732 | 0.00000 | 316523.1 | 211022.3 | 100632.1 | S |
| 176.958 | 0.0000 | 0.0000 | 84.472 | 0.04732 | 0.00000 | 316523.1 | 211023.7 | 100632.1 | S |
| 176.967 | 0.0000 | 0.0000 | 84.472 | 0.04731 | 0.00000 | 316523.1 | 211025.1 | 100632.7 | S |
| 176.975 | 0.0000 | 0.0000 | 84.472 | 0.04731 | 0.00000 | 316523.1 | 211026.5 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{3}$ s) | Outside Recharge (ft/day) | Stage Elevation (fl datum) | infiltration Rate ( $\mathrm{H}^{3 /} / \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{tt}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume $\left\{\mathrm{ft}^{3}\right.$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 176.983 | 0.0000 | 0.0000 | 84.471 | 0.04730 | 0.00000 | 316523.1 | 211028.0 | 100632.1 | S |
| 176.992 | 0.0000 | 0.0000 | 84.471 | 0.04730 | 0.00000 | 316523.1 | 211029.4 | 100632.1 | S |
| 177.000 | 0.0000 | 0.0000 | 84.471 | 0.04730 | 0.00000 | 376523.1 | 211030.8 | 100632.1 | S |
| 177.008 | 0.0000 | 0.0000 | 84.471 | 0.04729 | 0.00000 | 316523.1 | 211032.2 | 100632.1 | S |
| 177.017 | 0.0000 | 0.0000 | 84.471 | 0.04729 | 0.00000 | 316523.1 | 211033.6 | 100632.1 | S |
| 177.025 | 0.0000 | 0.0000 | 84.471 | 0.04728 | 0.00000 | 316523.1 | 211035.1 | 100632.1 | S |
| 177.033 | 0.0000 | 0.0000 | 84.471 | 0.04728 | 0.00000 | 316523.1 | 211036.5 | 100632.1 | S |
| 177.042 | 0.0000 | 0.0000 | 84.471 | 0.04728 | 0.00000 | 316523.1 | 211037.9 | 100632.1 | S |
| 177.050 | 0.0000 | 0.0000 | 84.470 | 0.04727 | 0.00000 | 316523.1 | 211039.3 | 100632.1 | S |
| 177.058 | 0.0000 | 0.0000 | 84.470 | 0.04727 | 0.00000 | 316523.1 | 211040.7 | 100632.1 | S |
| 177.067 | 0.0000 | 0.0000 | 84.470 | 0.04726 | 0.00000 | 316523.1 | 211042.2 | 100632.1 | S |
| 177.075 | 0.0000 | 0.0000 | 84.470 | 0.04726 | 0.00000 | 316523.1 | 211043.6 | 100632.1 | S |
| 177.083 | 0.0000 | 0.0000 | 84.470 | 0.04725 | 0.00000 | 316523.1 | 211045.0 | 100632.1 | S |
| 177.092 | 0.0000 | 0.0000 | 84.470 | 0.04725 | 0.00000 | 316523.1 | 211046.4 | 100632.1 | S |
| 177.100 | 0.0000 | 0.0000 | 84.470 | 0.04725 | 0.00000 | 316523.1 | 211047.8 | 100632.1 | S |
| 177.108 | 0.0000 | 0.0000 | 84.470 | 0.04724 | 0.00000 | 316523.1 | 211049.3 | 100632.1 | S |
| 177.117 | 0.0000 | 0.0000 | 84.469 | 0.04724 | 0.00000 | 316523.1 | 211050.7 | 100632.1 | S |
| 177.125 | 0.0000 | 0.0000 | 84.469 | 0.04723 | 0.00000 | 316523.1 | 211052.1 | 100632.1 | S |
| 177.133 | 0.0000 | 0.0000 | 84.469 | 0.04723 | 0.00000 | 316523.1 | 211053.5 | 100632.1 | S |
| 177.142 | 0.0000 | 0.0000 | 84.469 | 0.04723 | 0.00000 | 316523.1 | 211054.9 | 100632.1 | S |
| 177.150 | 0.0000 | 0.0000 | 84.469 | 0.04722 | 0.00000 | 316523.1 | 211056.3 | 100632.1 | S |
| 177.158 | 0.0000 | 0.0000 | 84.469 | 0.04722 | 0.00000 | 316523.1 | 211057.8 | 100632.1 | S |
| 177.167 | 0.0000 | 0.0000 | 84.469 | 0.04721 | 0.00000 | 316523.1 | 211059.2 | 100632.1 | S |
| \$77.175 | 0.0000 | 0.0000 | 84.469 | 0.04721 | 0.00000 | 316523.1 | 211060.6 | 100632.1 | S |
| 177.183 | 0.0000 | 0.0000 | 84.468 | 0.04720 | 0.00000 | 316523.1 | 211062.0 | 100632.1 | S |
| 177.192 | 0.0000 | 0.0000 | 84.468 | 0.04720 | 0.00000 | 316523.1 | 211063.4 | 100632.1 | S |
| 177.200 | 0.0000 | 0.0000 | 84.468 | 0.04720 | 0.00000 | 316523.1 | 211064.8 | 100632.1 | S |
| 177.208 | 0.0000 | 0.0000 | 84.468 | 0.04719 | 0.00000 | 316523.1 | 211066.2 | 100632.1 | S |
| 177.217 | 0.0000 | 0.0000 | 84.468 | 0.04719 | 0.00000 | 316523.1 | 211067.7 | 100632.1 | S |
| 177.225 | 0.0000 | 0.0000 | 84.468 | 0.04718 | 0.00000 | 316523.1 | 211069.1 | 100632.1 | S |
| 177.233 | 0.0000 | 0.0000 | 84.468 | 0.04718 | 0.00000 | 316523.1 | 211070.5 | 100632.1 | S |
| 177.242 | 0.0000 | 0.0000 | 84.468 | 0.04718 | 0.00000 | 316523.1 | 211071.9 | 100632.1 | S |
| 177.250 | 0.0000 | 0.0000 | 84.467 | 0.04717 | 0.00000 | 316523.1 | 211073.3 | 100632.1 | S |
| 177.258 | 0.0000 | 0.0000 | 84.467 | 0.04717 | 0.00000 | 316523.1 | 211074.7 | 100632.1 | S |
| 177.267 | 0.0000 | 0.0000 | 84.467 | 0.04716 | 0.00000 | 316523.1 | 211076.1 | 100632.1 | S |
| 177.275 | 0.0000 | 0.0000 | 84.467 | 0.04716 | 0.00000 | 316523.1 | 211077.6 | 100632.1 | S |
| 177.283 | 0.0000 | 0.0000 | 84.467 | 0.04716 | 0.00000 | 316523.1 | 211079.0 | 100632.1 | S |
| 177.292 | 0.0000 | 0.0000 | 84.467 | 0.04715 | 0.00000 | 316523.1 | 211080.4 | 100632.1 | S |
| 177.300 | 0.0000 | 0.0000 | 84.467 | 0.04715 | 0.00000 | 316523.1 | 211081.8 | 100632.1 | S |
| 177.308 | 0.0000 | 0.0000 | 84.467 | 0.04714 | 0.00000 | 316523.1 | 211083.2 | 100632.1 | S |
| 177.317 | 0.0000 | 0.0000 | 84.466 | 0.04714 | 0.00000 | 316523.1 | 211084.6 | 100632.1 | S |
| 177.325 | 0.0000 | 0.0000 | 84.466 | 0.04713 | 0.00000 | 316523.1 | 211086.0 | 100632.1 | S |
| 177.333 | 0.0000 | 0.0000 | 84.466 | 0.04713 | 0.00000 | 316523.1 | 211087.5 | 100632.1 | S |
| 177.342 | 0.0000 | 0.0000 | 84.466 | 0.04713 | 0.00000 | 316523.1 | 211088.9 | 100632.1 | S |
| 177.350 | 0.0000 | 0.0000 | 84.466 | 0.04712 | 0.00000 | 316523.1 | 211090.3 | 100632.1 | S |
| 177.358 | 0.0000 | 0.0000 | 84.466 | 0.04712 | 0.00000 | 316523.1 | 211091.7 | 100632.1 | S |
| 177.367 | 0.0000 | 0.0000 | 84.466 | 0.04711 | 0.00000 | 316523.1 | 211093.1 | 100632.1 | S |
| 177.375 | 0.0000 | 0.0000 | 84.466 | 0.04711 | 0.00000 | 316523.1 | 211094.5 | 100632.1 | S |
| 177.383 | 0.0000 | 0.0000 | 84.465 | 0.04711 | 0.00000 | 316523.1 | 211095.9 | 100632.1 | S |
| 177.392 | 0.0000 | 0.0000 | 84.465 | 0.04710 | 0.00000 | 316523.1 | 211097.4 | 100632.1 | S |
| 177.400 | 0.0000 | 0.0000 | 84.465 | 0.04710 | 0.00000 | 316523.1 | 211098.8 | 100632.1 | S |
| 177.408 | 0.0000 | 0.0000 | 84.465 | 0.04709 | 0.00000 | 316523.1 | 211100.2 | 100632.4 | S |
| 177.417 | 0.0000 | 0.0000 | 84.465 | 0.04709 | 0.00000 | 316523.1 | 211101.6 | 100632.1 | S |
| \$77.425 | 0.0000 | 0.0000 | 84.465 | 0.04708 | 0.00000 | 316523.1 | 211103.0 | 100632.1 | S |
| 177.433 | 0.0000 | 0.0000 | 84.465 | 0.04708 | 0.00000 | 316523.1 | 211104.4 | 100632.1 | S |
| 177.442 | 0.0000 | 0.0000 | 84.464 | 0.04708 | 0.00000 | 316523.1 | 211105.8 | 100632.1 | S |
| 177.450 | 0.0000 | 0.0000 | 84.464 | 0.04707 | 0.00000 | 316523.1 | 211107.3 | 100632.1 | S |
| 177.458 | 0.0000 | 0.0000 | 84.464 | 0.04707 | 0.00000 | 316523.1 | 211108.7 | 100632.1 | S |
| 177.467 | 0.0000 | 0.0000 | 84.464 | 0.04706 | 0.00000 | 316523.1 | 211110.1 | 100632.1 | S |
| 177.475 | 0.0000 | 0.0000 | 84.464 | 0.04706 | 0.00000 | 316523.1 | 211111.5 | 100632.1 | S |
| 177.483 | 0.0000 | 0.0000 | 84.464 | 0.04706 | 0.00000 | 316523.1 | 211112.9 | 100632.1 | S |
| 177.492 | 0.0000 | 0.0000 | 84.464 | 0.04705 | 0.00000 | 316523.1 | 211114.3 | 100632.1 | S |
| 177.500 | 0.0000 | 0.0000 | 84.464 | 0.04705 | 0.00000 | 316523.1 | 211115.7 | 100632.1 | S |
| 177.508 | 0.0000 | 0.0000 | 84.463 | 0.04704 | 0.00000 | 316523.1 | 211117.1 | 100632.1 | S |
| 177.517 | 0.0000 | 0.0000 | 84.463 | 0.04704 | 0.00000 | 316523.1 | 211118.5 | 100632.1 | S |
| 177.525 | 0.0000 | 0.0000 | 84.463 | 0.04704 | 0.00000 | 316523.1 | 211120.0 | 100632.1 | S |
| 177.533 | 0.0000 | 0.0000 | 84.463 | 0.04703 | 0.00000 | 316523.1 | 211121.4 | 100632.1 | S |
| 177.542 | 0.0000 | 0.0000 | 84.463 | 0.04703 | 0.00000 | 316523.1 | 211122.8 | 100632.1 | S |
| 177.550 | 0.0000 | 0.0000 | 84.463 | 0.04702 | 0.00000 | 316523.1 | 211124.2 | 100632.1 | S |
| 177.558 | 0.0000 | 0.0000 | 84.463 | 0.04702 | 0.00000 | 316523.1 | 211125.6 | 100632.1 | S |
| 177.567 | 0.0000 | 0.0000 | 84.463 | 0.04701 | 0.00000 | 316523.1 | 217127.0 | 100632.1 | S |
| 177.575 | 0.0000 | 0.0000 | 84.462 | 0.04701 | 0.00000 | 316523.1 | 211128.4 | 100632.1 | S |
| 177.583 | 0.0000 | 0.0000 | 84.462 | 0.04701 | 0.00000 | 316523.1 | 211129.8 | 100632.1 | S |
| 177.592 | 0.0000 | 0.0000 | 84.462 | 0.04700 | 0.00000 | 316523.1 | 211131.2 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (f/day) | Stage Elevation (fl datum) | Infiltration Rate (ft ${ }^{1 / s}$ ) | Overflow Discharge $\left(\mathrm{fl}^{3 / 5}\right)$ | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative infittration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 177.600 | 0.0000 | 0.0000 | 84.462 | 0.04700 | 0.00000 | 316523.1 | 211132.6 | 100632.1 | S |
| 177.608 | 0.0000 | 0.0000 | 84.462 | 0.04699 | 0.00000 | 316523.1 | 211134.1 | 100632.1 | S |
| $\{77.617$ | 0.0000 | 0.0000 | 84.462 | 0.04699 | 0.00000 | 316523.1 | 211135.5 | 100632.1 | S |
| 177.625 | 0.0000 | 0.0000 | 84.462 | 0.04699 | 0.00000 | 316523.1 | 211136.9 | 100632.1 | S |
| 177.633 | 0.0000 | 0.0000 | 84.462 | 0.04698 | 0.00000 | 316523.1 | 211138.3 | 100632.1 | S |
| 177.642 | 0.0000 | 0.0000 | 84.461 | 0.04698 | 0.00000 | 316523.1 | 211139.7 | 100632.1 | S |
| 177.650 | 0.0000 | 0.0000 | 84.461 | 0.04697 | 0.00000 | 316523.1 | 211141.1 | 100632.1 | S |
| 177.658 | 0.0000 | 0.0000 | 84.461 | 0.04697 | 0.00000 | 316523.1 | 211142.5 | 100632.1 | S |
| 177.667 | 0.0000 | 0.0000 | 84.461 | 0.04697 | 0.00000 | 316523.1 | 211143.9 | 100632.1 | S |
| 177.675 | 0.0000 | 0.0000 | 84.461 | 0.04696 | 0.00000 | 316523.1 | 211145.3 | 100632.1 | S |
| 177.683 | 0.0000 | 0.0000 | 84.461 | 0.04696 | 0.00000 | 316523.1 | 211146.7 | 100632.1 | S |
| 177.692 | 0.0000 | 0.0000 | 84.461 | 0.04695 | 0.00000 | 316523.1 | 211148.1 | 100632.1 | S |
| 177.700 | 0.0000 | 0.0000 | 84.461 | 0.04695 | 0.00000 | 316523.1 | 211149.6 | 100632.1 | S |
| 177.708 | 0.0000 | 0.0000 | 84.460 | 0.04694 | 0.00000 | 316523.1 | 211151.0 | 100632.1 | S |
| 177.717 | 0.0000 | 0.0000 | 84.460 | 0.04694 | 0.00000 | 316523.1 | 211152.4 | 100632.1 | S |
| 177.725 | 0.0000 | 0.0000 | 84.460 | 0.04694 | 0.00000 | 316523.1 | 211153.8 | 100632.1 | S |
| 177.733 | 0.0000 | 0.0000 | 84.460 | 0.04693 | 0.00000 | 316523.1 | 211155.2 | 100632.1 | S |
| 177.742 | 0.0000 | 0.0000 | 84.460 | 0.04693 | 0.00000 | 316523.1 | 211156.6 | 100632.1 | S |
| 177.750 | 0.0000 | 0.0000 | 84.460 | 0.04692 | 0.00000 | 316523.1 | 211158.0 | 100632.1 | S |
| 177.758 | 0.0000 | 0.0000 | 84.460 | 0.04692 | 0.00000 | 316523.1 | 211159.4 | 100632.1 | S |
| 177.767 | 0.0000 | 0.0000 | 84.460 | 0.04692 | 0.00000 | 316523.1 | 211160.8 | 100632.1 | S |
| 177.775 | 0.0000 | 0.0000 | 84.459 | 0.04691 | 0.00000 | 316523.1 | 211162.2 | 100632.1 | S |
| 177.783 | 0.0000 | 0.0000 | 84.459 | 0.04691 | 0.00000 | 316523.1 | 211163.6 | 100632.1 | S |
| 177.792 | 0.0000 | 0.0000 | 84.459 | 0.04690 | 0.00000 | 316523.1 | 211165.0 | 100632.1 | S |
| 177.800 | 0.0000 | 0.0000 | 84.459 | 0.04690 | 0.00000 | 316523.1 | 211166.5 | 100632.1 | S |
| 177.808 | 0.0000 | 0.0000 | 84.459 | 0.04690 | 0.00000 | 316523.1 | 211167.9 | 100632.1 | S |
| 177.817 | 0.0000 | 0.0000 | 84.459 | 0.04689 | 0.00000 | 316523.1 | 211169.3 | 100632.1 | S |
| 177.825 | 0.0000 | 0.0000 | 84.459 | 0.04689 | 0.00000 | 316523.1 | 211170.7 | 100632.1 | S |
| 177.833 | 0.0000 | 0.0000 | 84.459 | 0.04688 | 0.00000 | 316523.1 | 211172.1 | 100632.1 | S |
| 177.842 | 0.0000 | 0.0000 | 84.458 | 0.04688 | 0.00000 | 316523.1 | 211173.5 | 100632.1 | S |
| 177.850 | 0.0000 | 0.0000 | 84.458 | 0.04687 | 0.00000 | 316523.1 | 211174.9 | 100632.1 | S |
| 177.858 | 0.0000 | 0.0000 | 84.458 | 0.04687 | 0.00000 | 316523.1 | 211176.3 | 100632.1 | S |
| 177.867 | 0.0000 | 0.0000 | 84.458 | 0.04687 | 0.00000 | 316523.1 | 211177.7 | 100632.1 | S |
| 177.875 | 0.0000 | 0.0000 | 84.458 | 0.04686 | 0.00000 | 316523.1 | 211179.1 | 100632.1 | S |
| 177.883 | 0.0000 | 0.0000 | 84.458 | 0.04686 | 0.00000 | 316523.1 | 211180.5 | 100632.1 | S |
| 177.892 | 0.0000 | 0.0000 | 84.458 | 0.04685 | 0.00000 | 316523.1 | 211181.9 | 100632.1 | S |
| 177.900 | 0.0000 | 0.0000 | 84.458 | 0.04685 | 0.00000 | 316523.1 | 211183.3 | 100632.1 | S |
| 177.908 | 0.0000 | 0.0000 | 84.457 | 0.04685 | 0.00000 | 316523.1 | 211184.7 | 100632.1 | S |
| 177.917 | 0.0000 | 0.0000 | 84.457 | 0.04684 | 0.00000 | 316523.1 | 211186.1 | 100632.1 | S |
| 177.925 | 0.0000 | 0.0000 | 84.457 | 0.04684 | 0.00000 | 316523.1 | 211187.5 | 100632.1 | S |
| 177.933 | 0.0000 | 0.0000 | 84.457 | 0.04683 | 0.00000 | 316523.1 | 211188.9 | 100632.1 | S |
| 177.942 | 0.0000 | 0.0000 | 84.457 | 0.04683 | 0.00000 | 316523.1 | 211190.3 | 100632.1 | S |
| 177.950 | 0.0000 | 0.0000 | 84.457 | 0.04683 | 0.00000 | 316523.1 | 211191.8 | 100632.1 | S |
| 177.958 | 0.0000 | 0.0000 | 84.457 | 0.04682 | 0.00000 | 316523.1 | 211193.2 | 100632.1 | S |
| 177.967 | 0.0000 | 0.0000 | 84.457 | 0.04682 | 0.00000 | 316523.1 | 211194.6 | 100632.1 | S |
| 177.975 | 0.0000 | 0.0000 | 84.456 | 0.04681 | 0.00000 | 316523.1 | 211196.0 | 100632.1 | S |
| 177.983 | 0.0000 | 0.0000 | 84.456 | 0.04681 | 0.00000 | 316523.1 | 211197.4 | 100632.1 | S |
| 177.992 | 0.0000 | 0.0000 | 84.456 | 0.04680 | 0.00000 | 316523.1 | 211198.8 | 100632.1 | S |
| 178.000 | 0.0000 | 0.0000 | 84.456 | 0.04680 | 0.00000 | 316523.1 | 211200.2 | 100632.1 | S |
| 178.008 | 0.0000 | 0.0000 | 84.456 | 0.04680 | 0.00000 | 316523.1 | 211201.6 | 100632.1 | S |
| 178.017 | 0.0000 | 0.0000 | 84.456 | 0.04679 | 0.00000 | 316523.1 | 211203.0 | 100632.1 | S |
| 178.025 | 0.0000 | 0.0000 | 84.456 | 0.04679 | 0.00000 | 316523.1 | 211204.4 | 100632.1 | S |
| 178.033 | 0.0000 | 0.0000 | 84.456 | 0.04678 | 0.00000 | 316523.1 | 211205.8 | 100632.1 | S |
| 178.042 | 0.0000 | 0.0000 | 84.455 | 0.04678 | 0.00000 | 316523.1 | 211207.2 | 100632.1 | S |
| 178.050 | 0.0000 | 0.0000 | 84.455 | 0.04678 | 0.00000 | 316523.1 | 211208.6 | 100632.1 | S |
| 178.058 | 0.0000 | 0.0000 | 84.455 | 0.04677 | 0.00000 | 316523.1 | 211210.0 | 100632.1 | S |
| 178.067 | 0.0000 | 0.0000 | 84.455 | 0.04677 | 0.00000 | 316523.1 | 211211.4 | 100632.1 | S |
| 178.075 | 0.0000 | 0.0000 | 84.455 | 0.04676 | 0.00000 | 316523.1 | 211212.8 | 100632.1 | S |
| 178.083 | 0.0000 | 0.0000 | 84.455 | 0.04676 | 0.00000 | 316523.1 | 211214.2 | 100632.1 | S |
| 178.092 | 0.0000 | 0.0000 | 84.455 | 0.04676 | 0.00000 | 316523.1 | 211215.6 | 100632.1 | S |
| 178.100 | 0.0000 | 0.0000 | 84.455 | 0.04675 | 0.00000 | 316523.1 | 211217.0 | 100632.1 | S |
| 178.108 | 0.0000 | 0.0000 | 84.454 | 0.04675 | 0.00000 | 316523.1 | 211218.4 | 100632.1 | S |
| 178.117 | 0.0000 | 0.0000 | 84.454 | 0.04674 | 0.00000 | 316523.1 | 211219.8 | 100632.1 | S |
| 178.125 | 0.0000 | 0.0000 | 84.454 | 0.04674 | 0.00000 | 316523.1 | 211221.2 | 100632.1 | S |
| 178.133 | 0.0000 | 0.0000 | 84.454 | 0.04673 | 0.00000 | 316523.1 | 211222.6 | 100632.1 | S |
| 178.142 | 0.0000 | 0.0000 | 84.454 | 0.04673 | 0.00000 | 316523.1 | 211224.0 | 100632.1 | S |
| 178.150 | 0.0000 | 0.0000 | 84.454 | 0.04673 | 0.00000 | 316523.1 | 211225.4 | 100632.1 | S |
| 178.158 | 0.0000 | 0.0000 | 84.454 | 0.04672 | 0.00000 | 316523.1 | 211226.8 | 100632.1 | S |
| 178.167 | 0.0000 | 0.0000 | 84.454 | 0.04672 | 0.00000 | 316523.1 | 211228.2 | 100632.1 | S |
| 178.175 | 0.0000 | 0.0000 | 84.453 | 0.04671 | 0.00000 | 316523.1 | 211229.6 | 100632.1 | S |
| 178.183 | 0.0000 | 0.0000 | 84.453 | 0.04671 | 0.00000 | 316523.1 | 211231.0 | 100632.1 | S |
| 178.192 | 0.0000 | 0.0000 | 84.453 | 0.04671 | 0.00000 | 316523.1 | 211232.4 | 100632.1 | S |
| 178.200 | 0.0000 | 0.0000 | 84.453 | 0.04670 | 0.00000 | 316523.1 | 211233.8 | 100632.1 | S |
| 178.208 | 0.0000 | 0.0000 | 84.453 | 0.04670 | 0.00000 | 316523.1 | 211235.2 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Enflow Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infitration Rate ( $\mathrm{fi}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{t}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume (fi ${ }^{3}$ ) | $\begin{aligned} & \text { Flow } \\ & \text { Type } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 178.217 | 0.0000 | 0.0000 | 84.453 | 0.04669 | 0.00000 | 316523.1 | 211236.6 | 100632.1 | S |
| 178.225 | 0.0000 | 0.0000 | 84.453 | 0.04669 | 0.00000 | 316523.1 | 211238.0 | 100632.1 | S |
| 178.233 | 0.0000 | 0.0000 | 84.453 | 0.04669 | 0.00000 | 316523.1 | 211239.4 | 100632.1 | S |
| 178.242 | 0.0000 | 0.0000 | 84.452 | 0.04668 | 0.00000 | 316523.1 | 211240.8 | 100632.1 | S |
| 178.250 | 0.0000 | 0.0000 | 84.452 | 0.04668 | 0.00000 | 316523.1 | 211242.3 | 100632.1 | S |
| 178.258 | 0.0000 | 0.0000 | 84.452 | 0.04667 | 0.00000 | 316523.1 | 211243.6 | 700632.1 | S |
| 178.267 | 0.0000 | 0.0000 | 84.452 | 0.04667 | 0.00000 | 316523.1 | 211245.0 | 100632.1 | S |
| 178.275 | 0.0000 | 0.0000 | 84.452 | 0.04667 | 0.00000 | 316523.1 | 211246.5 | 100632.1 | S |
| 178.283 | 0.0000 | 0.0000 | 84.452 | 0.04666 | 0.00000 | 316523.1 | 211247.8 | 100632.1 | S |
| 178.292 | 0.0000 | 0.0000 | 84.452 | 0.04666 | 0.00000 | 316523.1 | 211249.3 | 100632.1 | S |
| 178.300 | 0.0000 | 0.0000 | 84.452 | 0.04665 | 0.00000 | 316523.1 | 211250.6 | 100632.1 | S |
| 178.308 | 0.0000 | 0.0000 | 84.451 | 0.04665 | 0.00000 | 316523.1 | 211252.0 | 100632.1 | S |
| 178.317 | 0.0000 | 0.0000 | 84.451 | 0.04664 | 0.00000 | 316523.1 | 211253.4 | 100632.1 | S |
| 178.325 | 0.0000 | 0.0000 | 84.451 | 0.04664 | 0.00000 | 316523.1 | 211254.8 | 100632.1 | S |
| 178.333 | 0.0000 | 0.0000 | 84.451 | 0.04664 | 0.00000 | 316523.1 | 211256.2 | 100632.1 | S |
| 178.342 | 0.0000 | 0.0000 | 84.451 | 0.04663 | 0.00000 | 316523.1 | 211257.6 | 100632.1 | S |
| 178.350 | 0.0000 | 0.0000 | 84.451 | 0.04663 | 0.00000 | 316523.1 | 211259.0 | 100632.1 | S |
| 178.358 | 0.0000 | 0.0000 | 84.451 | 0.04662 | 0.00000 | 316523.1 | 211260.4 | 100632.1 | S |
| 178.367 | 0.0000 | 0.0000 | 84.451 | 0.04662 | 0.00000 | 316523.1 | 211261.8 | 100632.1 | S |
| 178.375 | 0.0000 | 0.0000 | 84.450 | 0.04662 | 0.00000 | 316523.1 | 211263.2 | 100632.1 | S |
| 178.383 | 0.0000 | 0.0000 | 84.450 | 0.04661 | 0.00000 | 316523.1 | 211264.6 | 100632.1 | S |
| 178.392 | 0.0000 | 0.0000 | 84.450 | 0.04661 | 0.00000 | 316523.1 | 211266.0 | 100632.1 | S |
| 178.400 | 0.0000 | 0.0000 | 84.450 | 0.04660 | 0.00000 | 316523.1 | 211267.4 | 100632.1 | S |
| 178.408 | 0.0000 | 0.0000 | 84.450 | 0.04660 | 0.00000 | 316523.1 | 211268.8 | 100632.1 | S |
| 178.417 | 0.0000 | 0.0000 | 84.450 | 0.04660 | 0.00000 | 316523.1 | 211270.2 | 100632.1 | S |
| 178.425 | 0.0000 | 0.0000 | 84.450 | 0.04659 | 0.00000 | 316523.1 | 211271.6 | 100632.1 | S |
| 178.433 | 0.0000 | 0.0000 | 84.450 | 0.04659 | 0.00000 | 316523.1 | 211273.0 | 100632.1 | S |
| 178.442 | 0.0000 | 0.0000 | 84.449 | 0.04658 | 0.00000 | 316523.1 | 211274.4 | 100632.1 | S |
| 178.450 | 0.0000 | 0.0000 | 84.449 | 0.04658 | 0.00000 | 316523.1 | 211275.8 | 100632.1 | S |
| 178.458 | 0.0000 | 0.0000 | 84.449 | 0.04658 | 0.00000 | 316523.1 | 211277.2 | 100632.1 | S |
| 178.467 | 0.0000 | 0.0000 | 84.449 | 0.04657 | 0.00000 | 316523.1 | 211278.6 | 100632.1 | S |
| 178.475 | 0.0000 | 0.0000 | 84.449 | 0.04657 | 0.00000 | 316523.1 | 211280.0 | 100632.1 | S |
| 178.483 | 0.0000 | 0.0000 | 84.449 | 0.04656 | 0.00000 | 316523.1 | 211281.4 | 100632.1 | S |
| 178.492 | 0.0000 | 0.0000 | 84.449 | 0.04656 | 0.00000 | 316523.1 | 211282.8 | 100632.1 | S |
| 178.500 | 0.0000 | 0.0000 | 84.449 | 0.04655 | 0.00000 | 316523.1 | 211284.2 | 100632.1 | S |
| 178.508 | 0.0000 | 0.0000 | 84.448 | 0.04655 | 0.00000 | 316523.1 | 211285.6 | 100632.1 | S |
| 178.517 | 0.0000 | 0.0000 | 84.448 | 0.04655 | 0.00000 | 316523.1 | 211287.0 | 100632.1 | S |
| 178.525 | 0.0000 | 0.0000 | 84.448 | 0.04654 | 0.00000 | 316523.1 | 211288.4 | 100632.1 | S |
| 178.533 | 0.0000 | 0.0000 | 84.448 | 0.04654 | 0.00000 | 316523.1 | 211289.8 | 100632.1 | S |
| 178.542 | 0.0000 | 0.0000 | 84.448 | 0.04653 | 0.00000 | 316523.1 | 211291.2 | 100632.1 | S |
| 178.550 | 0.0000 | 0.0000 | 84.448 | 0.04653 | 0.00000 | 316523.1 | 211292.6 | 100632.1 | S |
| 178.558 | 0.0000 | 0.0000 | 84.448 | 0.04653 | 0.00000 | 316523.1 | 211294.0 | 100632.1 | S |
| 178.567 | 0.0000 | 0.0000 | 84.448 | 0.04652 | 0.00000 | 316523.1 | 211295.4 | 100632.1 | S |
| 178.575 | 0.0000 | 0.0000 | 84.447 | 0.04652 | 0.00000 | 316523.1 | 211296.8 | 100632.1 | S |
| 178.583 | 0.0000 | 0.0000 | 84.447 | 0.04651 | 0.00000 | 316523.1 | 211298.2 | 100632.1 | S |
| 178.592 | 0.0000 | 0.0000 | 84.447 | 0.04651 | 0.00000 | 316523.1 | 211299.6 | 100632.1 | S |
| 178.600 | 0.0000 | 0.0000 | 84.447 | 0.04651 | 0.00000 | 316523.1 | 211301.0 | 100632.1 | S |
| 178.608 | 0.0000 | 0.0000 | 84.447 | 0.04650 | 0.00000 | 316523.1 | 211302.3 | 100632.1 | S |
| 178.617 | 0.0000 | 0.0000 | 84.447 | 0.04650 | 0.00000 | 316523.1 | 211303.7 | 100632.1 | S |
| 178.625 | 0.0000 | 0.0000 | 84.447 | 0.04649 | 0.00000 | 316523.1 | 211305.1 | 100632.1 | S |
| 178.633 | 0.0000 | 0.0000 | 84.447 | 0.04649 | 0.00000 | 316523.1 | 211306.5 | 100632.1 | S |
| 178.642 | 0.0000 | 0.0000 | 84.446 | 0.04649 | 0.00000 | 316523.1 | 211307.9 | 100632.1 | S |
| 178.650 | 0.0000 | 0.0000 | 84.446 | 0.04648 | 0.00000 | 316523.1 | 211309.3 | 100632.1 | S |
| 178.658 | 0.0000 | 0.0000 | 84.446 | 0.04648 | 0.00000 | 316523.1 | 211310.7 | 100632.1 | S |
| 178.667 | 0.0000 | 0.0000 | 84.446 | 0.04647 | 0.00000 | 316523.1 | 211312.1 | 100632.1 | S |
| 178.675 | 0.0000 | 0.0000 | 84.446 | 0.04647 | 0.00000 | 316523.1 | 211313.5 | 100632.1 | S |
| 178.683 | 0.0000 | 0.0000 | 84.446 | 0.04647 | 0.00000 | 316523.1 | 211314.9 | 100632.1 | S |
| 178.692 | 0.0000 | 0.0000 | 84.446 | 0.04646 | 0.00000 | 316523.1 | 211316.3 | 100632.1 | S |
| 178.700 | 0.0000 | 0.0000 | 84.446 | 0.04646 | 0.00000 | 316523.1 | 211317.7 | 100632.1 | S |
| 178.708 | 0.0000 | 0.0000 | 84.445 | 0.04645 | 0.00000 | 316523.1 | 211319.1 | 100632.1 | S |
| 178.717 | 0.0000 | 0.0000 | 84.445 | 0.04645 | 0.00000 | 316523.1 | 211320.5 | 100632.1 | S |
| 178.725 | 0.0000 | 0.0000 | 84.445 | 0.04644 | 0.00000 | 316523.1 | 211321.9 | 100632.1 | S |
| 178.733 | 0.0000 | 0.0000 | 84.445 | 0.04644 | 0.00000 | 316523.1 | 211323.3 | 100632.1 | S |
| 178.742 | 0.0000 | 0.0000 | 84.445 | 0.04644 | 0.00000 | 316523.1 | 211324.7 | 100632.1 | S |
| 178.750 | 0.0000 | 0.0000 | 84.445 | 0.04643 | 0.00000 | 316523.1 | 211326.0 | 100632.1 | S |
| 178.758 | 0.0000 | 0.0000 | 84.445 | 0.04643 | 0.00000 | 316523.1 | 211327.4 | 100632.1 | S |
| 178.767 | 0.0000 | 0.0000 | 84.445 | 0.04642 | 0.00000 | 316523.1 | 211328.8 | 100632.1 | S |
| 178.775 | 0.0000 | 0.0000 | 84.444 | 0.04642 | 0.00000 | 316523.1 | 211330.2 | 100632.1 | S |
| 178.783 | 0.0000 | 0.0000 | 84.444 | 0.04642 | 0.00000 | 316523.1 | 211331.6 | 100632.1 | S |
| 178.792 | 0.0000 | 0.0000 | 84.444 | 0.04641 | 0.00000 | 316523.1 | 211333.0 | 100632.1 | S |
| 178.800 | 0.0000 | 0.0000 | 84.444 | 0.04641 | 0.00000 | 316523.1 | 211334.4 | 100632.1 | S |
| 178.808 | 0.0000 | 0.0000 | 84.444 | 0.04640 | 0.00000 | 316523.1 | 211335.8 | 100632.1 | S |
| 178.817 | 0.0000 | 0.0000 | 84.444 | 0.04640 | 0.00000 | 316523.1 | 211337.2 | 100632.1 | S |
| 178.825 | 0.0000 | 0.0000 | 84.444 | 0.04640 | 0.00000 | 316523.1 | 211338.6 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (f/day) | Stage Elevation (ft datum) | Infiltration Rate (ft $/ \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 178.833 | 0.0000 | 0.0000 | 84.444 | 0.04639 | 0.00000 | 316523.1 | 211340.0 | 100632.1 | S |
| 178.842 | 0.0000 | 0.0000 | 84.443 | 0.04639 | 0.00000 | 316523.1 | 211341.4 | 100632.1 | S |
| 178.850 | 0.0000 | 0.0000 | 84.443 | 0.04638 | 0.00000 | 316523.1 | 211342.8 | 100632.1 | S |
| 178.858 | 0.0000 | 0.0000 | 84.443 | 0.04638 | 0.00000 | 316523.1 | 211344.1 | 100632.1 | S |
| 178.867 | 0.0000 | 0.0000 | 84.443 | 0.04638 | 0.00000 | 316523.1 | 211345.5 | 100632.1 | S |
| 178.875 | 0.0000 | 0.0000 | 84.443 | 0.04637 | 0.00000 | 316523.1 | 211346.9 | 100632.1 | S |
| 178.883 | 0.0000 | 0.0000 | 84.443 | 0.04637 | 0.00000 | 316523.1 | 211348.3 | 100632.1 | S |
| 178.892 | 0.0000 | 0.0000 | 84.443 | 0.04636 | 0.00000 | 316523.1 | 211349.7 | 100632.1 | S |
| 178.900 | 0.0000 | 0.0000 | 84.443 | 0.04636 | 0.00000 | 316523.1 | 211351.1 | 100632.1 | S |
| 178.908 | 0.0000 | 0.0000 | 84.442 | 0.04636 | 0.00000 | 316523.1 | 211352.5 | 100632.1 | S |
| 178.917 | 0.0000 | 0.0000 | 84.442 | 0.04635 | 0.00000 | 316523.1 | 211353.9 | 100632.1 | S |
| 178.925 | 0.0000 | 0.0000 | 84.442 | 0.04635 | 0.00000 | 316523.1 | 211355.3 | 100632.1 | S |
| 178.933 | 0.0000 | 0.0000 | 84.442 | 0.04634 | 0.00000 | 316523.1 | 211356.7 | 100632.1 | S |
| 178.942 | 0.0000 | 0.0000 | 84.442 | 0.04634 | 0.00000 | 316523.1 | 211358.0 | 100632.1 | S |
| 178.950 | 0.0000 | 0.0000 | 84.442 | 0.04634 | 0.00000 | 316523.1 | 211359.4 | 100632.1 | S |
| 178.958 | 0.0000 | 0,0000 | 84.442 | 0.04633 | 0.00000 | 316523.1 | 211360.8 | 100632.1 | S |
| 178.967 | 0.0000 | 0.0000 | 84.442 | 0.04633 | 0.00000 | 316523.1 | 211362.2 | 100632.1 | S |
| 178.975 | 0.0000 | 0.0000 | 84.441 | 0.04632 | 0.00000 | 316523.1 | 211363.6 | 100632.1 | S |
| 178.983 | 0.0000 | 0.0000 | 84.441 | 0.04632 | 0.00000 | 316523.1 | 211365.0 | 100632.1 | S |
| 178.992 | 0.0000 | 0.0000 | 84.441 | 0.04631 | 0.00000 | 316523.1 | 211366.4 | 100632.1 | S |
| 179.000 | 0.0000 | 0.0000 | 84.441 | 0.04631 | 0.00000 | 316523.1 | 211367.8 | 100632.1 | S |
| 179.008 | 0.0000 | 0.0000 | 84.441 | 0.04631 | 0.00000 | 316523.1 | 211369.2 | 100632.1 | S |
| 179.017 | 0.0000 | 0.0000 | 84.441 | 0.04630 | 0.00000 | 316523.1 | 211370.6 | 100632.1 | S |
| 179.025 | 0.0000 | 0.0000 | 84.441 | 0.04630 | 0.00000 | 316523.1 | 211372.0 | 100632.1 | S |
| 179.033 | 0.0000 | 0.0000 | 84.441 | 0.04629 | 0.00000 | 316523.1 | 211373.3 | 100632.1 | S |
| 179.042 | 0.0000 | 0.0000 | 84.440 | 0.04629 | 0.00000 | 316523.1 | 211374.7 | 100632.1 | S |
| 179.050 | 0.0000 | 0.0000 | 84.440 | 0.04629 | 0.00000 | 316523.1 | 211376.1 | 100632.1 | S |
| 179.058 | 0.0000 | 0.0000 | 84.440 | 0.04628 | 0.00000 | 316523.1 | 211377.5 | 100632.1 | S |
| 179.067 | 0.0000 | 0.0000 | 84.440 | 0.04628 | 0.00000 | 316523.1 | 211378.9 | 100632.1 | S |
| 179.075 | 0.0000 | 0.0000 | 84.440 | 0.04627 | 0.00000 | 316523.1 | 211380.3 | 100632.1 | S |
| 179.083 | 0.0000 | 0.0000 | 84.440 | 0.04627 | 0.00000 | 316523.1 | 211381.7 | 100632.1 | S |
| 179.092 | 0.0000 | 0.0000 | 84.440 | 0.04627 | 0.00000 | 316523.1 | 211383.0 | 100632.1 | S |
| 179.100 | 0.0000 | 0.0000 | 84.440 | 0.04626 | 0.00000 | 316523.1 | 211384.4 | 100632.1 | S |
| 179.108 | 0.0000 | 0.0000 | 84.439 | 0.04626 | 0.00000 | 316523.1 | 211385.8 | 100632.1 | S |
| 179.117 | 0.0000 | 0.0000 | 84.439 | 0.04625 | 0.00000 | 316523.1 | 211387.2 | 100632.1 | S |
| 179.125 | 0.0000 | 0.0000 | 84.439 | 0.04625 | 0.00000 | 316523.1 | 211388.6 | 100632.1 | S |
| 179.133 | 0.0000 | 0.0000 | 84.439 | 0.04625 | 0.00000 | 316523.1 | 211390.0 | 100632.1 | S |
| 179.142 | 0.0000 | 0.0000 | 84.439 | 0.04624 | 0.00000 | 316523.1 | 211391.4 | 100632.1 | S |
| 179.150 | 0.0000 | 0.0000 | 84.439 | 0.04624 | 0.00000 | 316523.1 | 211392.8 | 100632.1 | S |
| 179.158 | 0.0000 | 0.0000 | 84.439 | 0.04623 | 0.00000 | 316523.1 | 211394.2 | 100632.1 | S |
| 179.167 | 0.0000 | 0.0000 | 84.439 | 0.04623 | 0.00000 | 316523.1 | 211395.5 | 100632.1 | S |
| 179.175 | 0.0000 | 0.0000 | 84.438 | 0.04623 | 0.00000 | 316523.1 | 211396.9 | 100632.1 | S |
| 179.183 | 0.0000 | 0.0000 | 84.438 | 0.04622 | 0.00000 | 316523.1 | 211398.3 | 100632.1 | S |
| 179.192 | 0.0000 | 0.0000 | 84.438 | 0.04622 | 0.00000 | 316523.1 | 211399.7 | 100632.1 | S |
| 179.200 | 0.0000 | 0.0000 | 84.438 | 0.04621 | 0.00000 | 316523.1 | 211401.1 | 100632.1 | S |
| 179.208 | 0.0000 | 0.0000 | 84.438 | 0.04621 | 0.00000 | 316523.1 | 211402.5 | 100632.1 | S |
| 179.217 | 0.0000 | 0.0000 | 84.438 | 0.04621 | 0.00000 | 316523.1 | 211403.9 | 100632.1 | S |
| 179.225 | 0.0000 | 0.0000 | 84.438 | 0.04620 | 0.00000 | 316523.1 | 211405.3 | 100632.1 | S |
| 179.233 | 0.0000 | 0.0000 | 84.438 | 0.04620 | 0.00000 | 316523.1 | 211406.6 | 100632.1 | S |
| 179.242 | 0.0000 | 0.0000 | 84.437 | 0.04619 | 0.00000 | 316523.1 | 211408.0 | 100632.1 | S |
| 179.250 | 0.0000 | 0.0000 | 84.437 | 0.04619 | 0.00000 | 316523.1 | 211409.4 | 100632.1 | S |
| 179.258 | 0.0000 | 0.0000 | 84.437 | 0.04619 | 0.00000 | 316523.1 | 211410.8 | 100632.1 | S |
| 179.267 | 0.0000 | 0.0000 | 84.437 | 0.04618 | 0.00000 | 316523.1 | 211412.2 | 100632.1 | S |
| 179.275 | 0.0000 | 0.0000 | 84.437 | 0.04618 | 0.00000 | 316523.1 | 211413.6 | 100632.7 | S |
| 179.283 | 0.0000 | 0.0000 | 84.437 | 0.04617 | 0.00000 | 316523.1 | 211414.9 | 100632.1 | S |
| 179.292 | 0.0000 | 0.0000 | 84.437 | 0.04617 | 0.00000 | 316523.1 | 211416.3 | 100632.1 | S |
| 179.300 | 0.0000 | 0.0000 | 84.437 | 0.04616 | 0.00000 | 316523.1 | 211417.7 | 100632.1 | S |
| 179.308 | 0.0000 | 0.0000 | 84.436 | 0.04616 | 0.00000 | 316523.1 | 211419.1 | 100632.1 | S |
| 179.317 | 0.0000 | 0.0000 | 84.436 | 0.04616 | 0.00000 | 316523.1 | 211420.5 | 100632.1 | S |
| 179.325 | 0.0000 | 0.0000 | 84.436 | 0.04615 | 0.00000 | 316523.1 | 211421.9 | 100632.1 | S |
| 179.333 | 0.0000 | 0.0000 | 84.436 | 0.04615 | 0.00000 | 316523.1 | 211423.3 | 100632.1 | S |
| 179.342 | 0.0000 | 0.0000 | 84.436 | 0.04614 | 0.00000 | 316523.1 | 211424.6 | 100632.1 | S |
| 179.350 | 0.0000 | 0.0000 | 84.436 | 0.04614 | 0.00000 | 316523.1 | 211426.0 | 100632.1 | S |
| 179.358 | 0.0000 | 0.0000 | 84.436 | 0.04614 | 0.00000 | 316523.1 | 211427.4 | 100632.1 | S |
| 179.367 | 0.0000 | 0.0000 | 84.436 | 0.04613 | 0.00000 | 316523.1 | 211428.8 | 100632.1 | S |
| 179.375 | 0.0000 | 0.0000 | 84.435 | 0.04613 | 0.00000 | 316523.1 | 211430.2 | 100632.1 | S |
| 179.383 | 0.0000 | 0.0000 | 84.435 | 0.04612 | 0.00000 | 316523.1 | 211431.6 | 100632.1 | S |
| 179.392 | 0.0000 | 0.0000 | 84.435 | 0.04612 | 0.00000 | 316523.1 | 211432.9 | 100632.1 | S |
| 179.400 | 0.0000 | 0.0000 | 84.435 | 0.04612 | 0.00000 | 316523.1 | 211434.3 | 100632.1 | S |
| 179.408 | 0.0000 | 0.0000 | 84.435 | 0.04611 | 0.00000 | 316523.1 | 211435.7 | 100632.1 | S |
| 179.417 | 0.0000 | 0.0000 | 84.435 | 0.04611 | 0.00000 | 316523.1 | 211437.1 | 100632.1 | S |
| 179.425 | 0.0000 | 0.0000 | 84.435 | 0.04610 | 0.00000 | 316523.1 | 211438.5 | 100632.1 | S |
| 179.433 | 0.0000 | 0.0000 | 84.435 | 0.04610 | 0.00000 | 316523.1 | 211439.9 | 100632.8 | S |
| 179.442 | 0.0000 | 0.0000 | 84.434 | 0.04610 | 0.00000 | 316523.1 | 211441.2 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 /} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 179.450 | 0.0000 | 0.0000 | 84.434 | 0.04609 | 0.00000 | 316523.1 | 211442.6 | 100632.1 | S |
| 179.458 | 0.0000 | 0.0000 | 84.434 | 0.04609 | 0.00000 | 316523.1 | 211444.0 | 100632.1 | S |
| 179.467 | 0.0000 | 0.0000 | 84.434 | 0.04608 | 0.00000 | 316523.1 | 211445.4 | 100632.1 | 5 |
| 179.475 | 0.0000 | 0.0000 | 84.434 | 0.04608 | 0.00000 | 316523.1 | 211446.8 | 100632.1 | S |
| 179.483 | 0.0000 | 0.0000 | 84.434 | 0.04608 | 0.00000 | 316523.1 | 211448.2 | 100632.1 | S |
| 179.492 | 0.0000 | 0.0000 | 84.434 | 0.04607 | 0.00000 | 316523.1 | 211449.5 | 100632.1 | S |
| 179.500 | 0.0000 | 0.0000 | 84.434 | 0.04607 | 0.00000 | 316523.1 | 211450.9 | 100632.1 | S |
| 179.508 | 0.0000 | 0.0000 | 84.434 | 0.04606 | 0.00000 | 316523.1 | 211452.3 | 100632.1 | S |
| 179,517 | 0.0000 | 0.0000 | 84.433 | 0.04606 | 0.00000 | 316523.1 | 211453.7 | 100632.1 | S |
| 179.525 | 0.0000 | 0.0000 | 84.433 | 0.04606 | 0.00000 | 316523.1 | 211455.1 | 100632.1 | S |
| 179.533 | 0.0000 | 0.0000 | 84.433 | 0.04605 | 0.00000 | 316523.1 | 211456.5 | 100632.1 | S |
| 179.542 | 0.0000 | 0.0000 | 84.433 | 0.04605 | 0.00000 | 316523.1 | 211457.8 | 100632.1 | S |
| 179.550 | 0.0000 | 0.0000 | 84.433 | 0.04604 | 0.00000 | 316523.1 | 211459.2 | 100632.1 | S |
| 179.558 | 0.0000 | 0.0000 | 84.433 | 0.04604 | 0.00000 | 316523.1 | 211460.6 | 100632.1 | S |
| 179.567 | 0.0000 | 0.0000 | 84.433 | 0.04604 | 0.00000 | 316523.1 | 211462.0 | 100632.1 | S |
| 179.575 | 0.0000 | 0.0000 | 84.433 | 0.04603 | 0.00000 | 316523.1 | 211463.4 | 100632.1 | S |
| 179.583 | 0.0000 | 0.0000 | 84.432 | 0.04603 | 0.00000 | 316523.1 | 211464.7 | 100632.1 | S |
| 179.592 | 0.0000 | 0.0000 | 84.432 | 0.04602 | 0.00000 | 316523.1 | 211466.1 | 100632.1 | S |
| 179.600 | 0.0000 | 0.0000 | 84.432 | 0.04602 | 0.00000 | 316523.1 | 211467.5 | 100632.1 | S |
| 179.608 | 0.0000 | 0.0000 | 84.432 | 0.04602 | 0.00000 | 316523.1 | 211468.9 | 100632.1 | S |
| 179.617 | 0.0000 | 0.0000 | 84.432 | 0.04601 | 0.00000 | 316523.1 | 211470.3 | 100632.1 | S |
| 179.625 | 0.0000 | 0.0000 | 84.432 | 0.04601 | 0.00000 | 316523.1 | 211471.6 | 100632.1 | S |
| 179.633 | 0.0000 | 0.0000 | 84.432 | 0.04600 | 0.00000 | 316523.1 | 211473.0 | 100632.1 | S |
| 179.642 | 0.0000 | 0.0000 | 84.432 | 0.04600 | 0.00000 | 316523.1 | 211474.4 | 100632.1 | S |
| 179.650 | 0.0000 | 0.0000 | 84.431 | 0.04600 | 0.00000 | 316523.1 | 211475.8 | 100632.1 | S |
| 179.658 | 0.0000 | 0.0000 | 84.431 | 0.04599 | 0.00000 | 316523.1 | 211477.2 | 100632.1 | S |
| 179.667 | 0.0000 | 0.0000 | 84.431 | 0.04599 | 0.00000 | 316523.1 | 211478.5 | 100632.1 | S |
| 179.675 | 0.0000 | 0.0000 | 84.431 | 0.04598 | 0.00000 | 316523.1 | 211479.9 | 100632.1 | S |
| 179.683 | 0.0000 | 0.0000 | 84.431 | 0.04598 | 0.00000 | 316523.1 | 211481.3 | 100632.1 | S |
| 179.692 | 0.0000 | 0.0000 | 84.431 | 0.04598 | 0.00000 | 316523.1 | 211482.7 | 100632.1 | S |
| 179.700 | 0.0000 | 0.0000 | 84.431 | 0.04597 | 0.00000 | 316523.1 | 211484.0 | 100632.1 | S |
| 179.708 | 0.0000 | 0.0000 | 84.431 | 0.04597 | 0.00000 | 316523.1 | 211485.4 | 100632.1 | S |
| 179.717 | 0.0000 | 0.0000 | 84.430 | 0.04596 | 0.00000 | 316523.1 | 211486.8 | 100632.1 | S |
| 179,725 | 0.0000 | 0.0000 | 84.430 | 0.04596 | 0.00000 | 316523.1 | 211488.2 | 100632.1 | S |
| 179.733 | 0.0000 | 0.0000 | 84.430 | 0.04596 | 0.00000 | 316523.1 | 211489.6 | 100632.1 | S |
| 179.742 | 0.0000 | 0.0000 | 84.430 | 0.04595 | 0.00000 | 316523.1 | 211491.0 | 100632.1 | S |
| 179.750 | 0.0000 | 0.0000 | 84.430 | 0.04595 | 0.00000 | 316523.1 | 211492.3 | 100632.1 | S |
| 179.758 | 0.0000 | 0.0000 | 84.430 | 0.04594 | 0.00000 | 316523.1 | 211493.7 | 100632.1 | S |
| 179.767 | 0.0000 | 0.0000 | 84.430 | 0.04594 | 0.00000 | 316523.1 | 211495.1 | 100632.1 | S |
| 179.775 | 0.0000 | 0.0000 | 84.430 | 0.04594 | 0.00000 | 316523.1 | 211496.5 | 100632.1 | S |
| 179.783 | 0.0000 | 0.0000 | 84.429 | 0.04593 | 0.00000 | 316523.1 | 211497.8 | 100632.1 | S |
| 179.792 | 0.0000 | 0.0000 | 84.429 | 0.04593 | 0.00000 | 316523.1 | 211499.2 | 100632.1 | S |
| 179.800 | 0.0000 | 0.0000 | 84.429 | 0.04592 | 0.00000 | 316523.1 | 211500.6 | 100632.1 | S |
| 179.808 | 0.0000 | 0.0000 | 84.429 | 0.04592 | 0.00000 | 316523.1 | 211502.0 | 100632.1 | 5 |
| 179.817 | 0.0000 | 0.0000 | 84.429 | 0.04592 | 0.00000 | 316523.1 | 211503.3 | 100632.1 | S |
| 179.825 | 0.0000 | 0.0000 | 84.429 | 0.04591 | 0.00000 | 316523.1 | 211504.7 | 100632.7 | 5 |
| 179.833 | 0.0000 | 0.0000 | 84.429 | 0.04591 | 0.00000 | 316523.1 | 211506.1 | 100632.1 | 5 |
| 179.842 | 0.0000 | 0.0000 | 84.429 | 0.04590 | 0.00000 | 316523.1 | 211507.5 | 100632.1 | S |
| 179.850 | 0.0000 | 0.0000 | 84.428 | 0.04590 | 0.00000 | 316523.1 | 211508.9 | 100632.1 | S |
| 179.858 | 0.0000 | 0.0000 | 84.428 | 0.04590 | 0.00000 | 316523.1 | 211510.2 | 100632.1 | S |
| 179.867 | 0.0000 | 0.0000 | 84.428 | 0.04589 | 0.00000 | 316523.1 | 211511.6 | 100632.1 | S |
| 179.875 | 0.0000 | 0.0000 | 84.428 | 0.04589 | 0.00000 | 316523.1 | 211513.0 | 100632.1 | S |
| 179.883 | 0.0000 | 0.0000 | 84.428 | 0.04588 | 0.00000 | 316523.1 | 211514.4 | 100632.1 | S |
| 179.892 | 0.0000 | 0.0000 | 84.428 | 0.04588 | 0.00000 | 316523.1 | 211515.7 | 100632.1 | S |
| 179.900 | 0.0000 | 0.0000 | 84.428 | 0.04587 | 0.00000 | 316523.1 | 211517.1 | 100632.1 | S |
| 179.908 | 0.0000 | 0.0000 | 84.428 | 0.04587 | 0.00000 | 316523.1 | 211518.5 | 100632.1 | S |
| 179.917 | 0.0000 | 0.0000 | 84.427 | 0.04587 | 0.00000 | 316523.1 | 211519.9 | 100632.1 | S |
| 179.925 | 0.0000 | 0.0000 | 84.427 | 0.04586 | 0.00000 | 316523.1 | 211521.3 | 100632.1 | S |
| 179.933 | 0.0000 | 0.0000 | 84.427 | 0.04586 | 0.00000 | 316523.1 | 211522.6 | 100632.1 | S |
| 179.942 | 0.0000 | 0.0000 | 84.427 | 0.04585 | 0.00000 | 316523.1 | 211524.0 | 100632.1 | S |
| 179.950 | 0.0000 | 0.0000 | 84.427 | 0.04585 | 0.00000 | 316523.1 | 211525.4 | 100632.1 | S |
| 179.958 | 0.0000 | 0.0000 | 84.427 | 0.04585 | 0.00000 | 316523.1 | 211526.8 | 100632.1 | S |
| 179.967 | 0.0000 | 0.0000 | 84.427 | 0.04584 | 0.00000 | 316523.1 | 211528.1 | 100632.1 | S |
| 179.975 | 0.0000 | 0.0000 | 84.427 | 0.04584 | 0.00000 | 316523.1 | 211529.5 | 100632.1 | S |
| 179.983 | 0.0000 | 0.0000 | 84.426 | 0.04583 | 0.00000 | 316523.1 | 211530.9 | 100632.1 | S |
| 179.992 | 0.0000 | 0.0000 | 84.426 | 0.04583 | 0.00000 | 316523.1 | 211532.3 | 100632.1 | S |
| 180.000 | 0.0000 | 0.0000 | 84.426 | 0.04583 | 0.00000 | 316523.1 | 211533.6 | 100632.1 | S |
| 180.008 | 0.0000 | 0.0000 | 84.426 | 0.04582 | 0.00000 | 316523.1 | 211535.0 | 100632.1 | S |
| 180.017 | 0.0000 | 0.0000 | 84.426 | 0.04582 | 0.00000 | 316523.1 | 211536.4 | 100632.1 | S |
| 180.025 | 0.0000 | 0.0000 | 84.426 | 0.04581 | 0.00000 | 316523.1 | 211537.8 | 100632.1 | S |
| 180.033 | 0.0000 | 0.0000 | 84.426 | 0.04581 | 0.00000 | 316523.1 | 211539.1 | 100632.1 | S |
| 180.042 | 0.0000 | 0.0000 | 84.426 | 0.04581 | 0.00000 | 316523.1 | 211540.5 | 100632.1 | S |
| 180.050 | 0.0000 | 0.0000 | 84.425 | 0.04580 | 0.00000 | 316523.1 | 211541.9 | 100632.1 | S |
| 180.058 | 0.0000 | 0.0000 | 84.425 | 0.04580 | 0.00000 | 316523.1 | 211543.3 | 100632.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | $\begin{aligned} & \text { Cumulative } \\ & \text { Inflow } \\ & \text { Volume ( } \mathrm{ft}^{3} \text { ) } \end{aligned}$ | Cumulative Infiltration Votume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | $\begin{aligned} & \text { Flow } \\ & \text { Type } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 180.067 | 0.0000 | 0.0000 | 84.425 | 0.04579 | 0.00000 | 316523.1 | 211544.6 | 100632.1 | S |
| 180.075 | 0.0000 | 0.0000 | 84.425 | 0.04579 | 0.00000 | 316523.1 | 211546.0 | 100632.1 | S |
| 180.083 | 0.0000 | 0.0000 | 84.425 | 0.04579 | 0.00000 | 316523.1 | 211547.4 | 100632.1 | S |
| 180.092 | 0.0000 | 0.0000 | 84.425 | 0.04578 | 0.00000 | 316523.1 | 211548.7 | 100632.1 | S |
| 180.100 | 0.0000 | 0.0000 | 84.425 | 0.04578 | 0.00000 | 316523.1 | 211550.1 | 100632.1 | S |
| 180.108 | 0.0000 | 0.0000 | 84.425 | 0.04577 | 0.00000 | 316523.1 | 211551.5 | 100632.1 | S |
| 180.117 | 0.0000 | 0.0000 | 84.424 | 0.04577 | 0.00000 | 316523.1 | 211552.9 | 100632.1 | S |
| 180.125 | 0.0000 | 0.0000 | 84.424 | 0.04577 | 0.00000 | 316523.1 | 211554.2 | 100632.1 | S |
| 180.133 | 0.0000 | 0.0000 | 84.424 | 0.04576 | 0.00000 | 316523.1 | 211555.6 | 100632.1 | S |
| 180.942 | 0.0000 | 0.0000 | 84.424 | 0.04576 | 0.00000 | 316523.1 | 211557.0 | 100632.1 | S |
| 180.150 | 0.0000 | 0.0000 | 84.424 | 0.04575 | 0.00000 | 316523.1 | 211558.3 | 100632.1 | S |
| 180.158 | 0.0000 | 0.0000 | 84.424 | 0.04575 | 0.00000 | 316523.1 | 211559.7 | 100632.1 | S |
| 180.767 | 0.0000 | 0.0000 | 84.424 | 0.04575 | 0.00000 | 316523.1 | 211561.1 | 100632.1 | S |
| 180.175 | 0.0000 | 0.0000 | 84.424 | 0.04574 | 0.00000 | 316523.1 | 211562.5 | 100632.1 | S |
| 180.183 | 0.0000 | 0.0000 | 84.423 | 0.04574 | 0.00000 | 316523.1 | 211563.8 | 100632.1 | S |
| 180.192 | 0.0000 | 0.0000 | 84.423 | 0.04573 | 0.00000 | 376523.1 | 211565.2 | 100632.1 | S |
| 180.200 | 0.0000 | 0.0000 | 84.423 | 0.04573 | 0.00000 | 316523.1 | 211566.6 | 100632.1 | S |
| 180.208 | 0.0000 | 0.0000 | 84.423 | 0.04573 | 0.00000 | 316523.1 | 211568.0 | 100632.1 | S |
| 180.217 | 0.0000 | 0.0000 | 84.423 | 0.04572 | 0.00000 | 316523.1 | 211569.3 | 100632.1 | S |
| 180.225 | 0.0000 | 0.0000 | 84.423 | 0.04572 | 0.00000 | 316523.1 | 211570.7 | 100632.1 | S |
| 180.233 | 0.0000 | 0.0000 | 84.423 | 0.04571 | 0.00000 | 316523.1 | 211572.1 | 100632.1 | S |
| 180.242 | 0.0000 | 0.0000 | 84.423 | 0.04571 | 0.00000 | 316523.1 | 211573.4 | 100632.1 | S |
| 180.250 | 0.0000 | 0.0000 | 84.422 | 0.04571 | 0.00000 | 316523.1 | 211574.8 | 100632.1 | S |
| 180.258 | 0.0000 | 0.0000 | 84.422 | 0.04570 | 0.00000 | 316523.1 | 211576.2 | 100632.1 | S |
| 180.267 | 0.0000 | 0.0000 | 84.422 | 0.04570 | 0.00000 | 316523.1 | 211577.6 | 100632.1 | S |
| 180.275 | 0.0000 | 0.0000 | 84.422 | 0.04569 | 0.00000 | 316523.1 | 211578.9 | 100632.1 | S |
| 180.283 | 0.0000 | 0.0000 | 84.422 | 0.04569 | 0.00000 | 316523.1 | 211580.3 | 100632.1 | S |
| 180.292 | 0.0000 | 0.0000 | 84.422 | 0.04569 | 0.00000 | 316523.1 | 211581.7 | 100632.1 | S |
| 180.300 | 0.0000 | 0.0000 | 84.422 | 0.04568 | 0.00000 | 316523.1 | 211583.0 | 100632.1 | S |
| 180.308 | 0.0000 | 0.0000 | 84.422 | 0.04568 | 0.00000 | 316523.1 | 211584.4 | 100632.1 | S |
| 180.317 | 0.0000 | 0.0000 | 84.421 | 0.04567 | 0.00000 | 316523.1 | 211585.8 | 100632.1 | S |
| 180.325 | 0.0000 | 0.0000 | 84.421 | 0.04567 | 0.00000 | 316523.1 | 211587.2 | 100632.1 | S |
| 180.333 | 0.0000 | 0.0000 | 84.421 | 0.04567 | 0.00000 | 316523.1 | 211588.5 | 100632.1 | S |
| 180.342 | 0.0000 | 0.0000 | 84.421 | 0.04566 | 0.00000 | 316523.1 | 211589.9 | 100632.1 | S |
| 180.350 | 0.0000 | 0.0000 | 84.421 | 0.04566 | 0.00000 | 316523.1 | 211591.3 | 100632.1 | S |
| 180.358 | 0.0000 | 0.0000 | 84.421 | 0.04565 | 0.00000 | 316523.1 | 211592.6 | 100632.1 | S |
| 180.367 | 0.0000 | 0.0000 | 84.421 | 0.04565 | 0.00000 | 316523.1 | 211594.0 | 100632.1 | S |
| 180.375 | 0.0000 | 0.0000 | 84.421 | 0.04565 | 0.00000 | 316523.1 | 211595.4 | 100632.1 | S |
| 180.383 | 0.0000 | 0.0000 | 84.420 | 0.04564 | 0.00000 | 316523.1 | 211596.7 | 100632.1 | S |
| 180.392 | 0.0000 | 0.0000 | 84.420 | 0.04564 | 0.00000 | 316523.1 | 211598.1 | 100632.1 | S |
| 180.400 | 0.0000 | 0.0000 | 84.420 | 0.04563 | 0.00000 | 316523.1 | 211599.5 | 100632.1 | S |
| 180.408 | 0.0000 | 0.0000 | 84.420 | 0.04563 | 0.00000 | 316523.1 | 211600.8 | 100632.1 | S |
| 180.417 | 0.0000 | 0.0000 | 84.420 | 0.04563 | 0.00000 | 316523.1 | 211602.2 | 100632.1 | S |
| 180.425 | 0.0000 | 0.0000 | 84.420 | 0.04562 | 0.00000 | 316523.1 | 211603.6 | 100632.1 | S |
| 180.433 | 0.0000 | 0.0000 | 84.420 | 0.04562 | 0.00000 | 316523.1 | 211605.0 | 100632.1 | S |
| 180.442 | 0.0000 | 0.0000 | 84.420 | 0.04561 | 0.00000 | 316523.1 | 211606.3 | 100632.1 | S |
| 180.450 | 0.0000 | 0.0000 | 84.419 | 0.04561 | 0.00000 | 316523.1 | 211607.7 | 100632.1 | S |
| 180.458 | 0.0000 | 0.0000 | 84.419 | 0.04561 | 0.00000 | 316523.1 | 211609.1 | 100632.1 | S |
| 180.467 | 0.0000 | 0.0000 | 84.419 | 0.04560 | 0.00000 | 316523.1 | 211610.4 | 100632.1 | S |
| 180.475 | 0.0000 | 0.0000 | 84.419 | 0.04560 | 0.00000 | 316523.1 | 211611.8 | 100632.1 | S |
| 180.483 | 0.0000 | 0.0000 | 84.419 | 0.04559 | 0.00000 | 316523.1 | 211613.2 | 100632.1 | S |
| 180.492 | 0.0000 | 0.0000 | 84.419 | 0.04559 | 0.00000 | 316523.1 | 211614.5 | 100632.1 | S |
| 180.500 | 0.0000 | 0.0000 | 84.419 | 0.04559 | 0.00000 | 316523.1 | 211615.9 | 100632.1 | S |
| 180.508 | 0.0000 | 0.0000 | 84.419 | 0.04558 | 0.00000 | 316523.1 | 211617.3 | 100632.1 | S |
| 180.517 | 0.0000 | 0.0000 | 84.419 | 0.04558 | 0.00000 | 316523.1 | 211618.6 | 100632.1 | S |
| 180.525 | 0.0000 | 0.0000 | 84.418 | 0.04557 | 0.00000 | 316523.1 | 211620.0 | 100632.1 | S |
| 180.533 | 0.0000 | 0.0000 | 84.418 | 0.04557 | 0.00000 | 316523.1 | 211621.4 | 100632.1 | S |
| 180.542 | 0.0000 | 0.0000 | 84.418 | 0.04557 | 0.00000 | 376523.1 | 211622.7 | 100632.1 | S |
| 180.550 | 0.0000 | 0.0000 | 84.418 | 0.04556 | 0.00000 | 316523.1 | 211624.1 | 100632.1 | S |
| 180.558 | 0.0000 | 0.0000 | 84.418 | 0.04556 | 0.00000 | 316523.1 | 211625.5 | 100632.1 | S |
| 180.567 | 0.0000 | 0.0000 | 84.418 | 0.04556 | 0.00000 | 316523.1 | 211626.8 | 100632.1 | S |
| 180.575 | 0.0000 | 0.0000 | 84.418 | 0.04555 | 0.00000 | 316523.1 | 211628.2 | 100632.1 | S |
| 180.583 | 0.0000 | 0.0000 | 84.418 | 0.04555 | 0.00000 | 316523.1 | 211629.6 | 100632.1 | S |
| 180.592 | 0.0000 | 0.0000 | 84.417 | 0.04554 | 0.00000 | 316523.1 | 211630.9 | 100632.1 | S |
| 180.600 | 0.0000 | 0.0000 | 84.417 | 0.04554 | 0.00000 | 316523.1 | 211632.3 | 100632.1 | S |
| 180.608 | 0.0000 | 0.0000 | 84.417 | 0.04554 | 0.00000 | 316523.1 | 211633.7 | 100632.1 | S |
| 180.617 | 0.0000 | 0.0000 | 84.417 | 0.04553 | 0.00000 | 316523.1 | 211635.0 | 100632.1 | S |
| 180.625 | 0.0000 | 0.0000 | 84.417 | 0.04553 | 0.00000 | 316523.1 | 211636.4 | 100632.1 | S |
| 180.633 | 0.0000 | 0.0000 | 84.417 | 0.04552 | 0.00000 | 316523.1 | 211637.8 | 100632.1 | S |
| 180.642 | 0.0000 | 0.0000 | 84.417 | 0.04552 | 0.00000 | 316523.1 | 211639.1 | 100632.1 | S |
| 180.650 | 0.0000 | 0.0000 | 84.417 | 0.04552 | 0.00000 | 316523.1 | 211640.5 | 100632.1 | S |
| 180.658 | 0.0000 | 0.0000 | 84.416 | 0.04551 | 0.00000 | 316523.1 | 211641.9 | 100632.1 | S |
| 180.667 | 0.0000 | 0.0000 | 84.416 | 0.04551 | 0.00000 | 316523.1 | 211643.2 | 100632.1 | S |
| 180.675 | 0.0000 | 0.0000 | 84.416 | 0.04550 | 0.00000 | 316523.1 | 211644.6 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f} 3 / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ff}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 180.683 | 0.0000 | 0.0000 | 84.416 | 0.04550 | 0.00000 | 316523.1 | 211646.0 | 100632.1 | S |
| 180.692 | 0.0000 | 0.0000 | 84.416 | 0.04550 | 0.00000 | 316523.1 | 211647.3 | 100632.1 | S |
| 180.700 | 0.0000 | 0.0000 | 84.416 | 0.04549 | 0.00000 | 316523.1 | 211648.7 | 100632.1 | S |
| 180.708 | 0.0000 | 0.0000 | 84.416 | 0.04549 | 0.00000 | 316523.1 | 211650.0 | 100632.1 | S |
| 180.717 | 0.0000 | 0.0000 | 84.416 | 0.04548 | 0.00000 | 316523.1 | 211651.4 | 100632.1 | S |
| 180.725 | 0.0000 | 0.0000 | 84.415 | 0.04548 | 0.00000 | 316523.1 | 211652.8 | 100632.1 | S |
| 180.733 | 0.0000 | 0.0000 | 84.415 | 0.04548 | 0.00000 | 316523.1 | 211654.1 | 100632.1 | S |
| 180.742 | 0.0000 | 0.0000 | 84.415 | 0.04547 | 0.00000 | 316523.1 | 211655.5 | 100632.1 | S |
| 180.750 | 0.0000 | 0.0000 | 84.415 | 0.04547 | 0.00000 | 316523.1 | 211656.9 | 100632.1 | S |
| 180.758 | 0.0000 | 0.0000 | 84.415 | 0.04546 | 0.00000 | 316523.1 | 211658.2 | 100632.1 | S |
| 180.767 | 0.0000 | 0.0000 | 84.415 | 0.04546 | 0.00000 | 316523.1 | 211659.6 | 100632.1 | S |
| 180.775 | 0.0000 | 0.0000 | 84.415 | 0.04546 | 0.00000 | 316523.1 | 211661.0 | 100632.1 | S |
| 180.783 | 0.0000 | 0.0000 | 84.415 | 0.04545 | 0.00000 | 316523.1 | 211662.3 | 100632.1 | S |
| 180.792 | 0.0000 | 0.0000 | 84.414 | 0.04545 | 0.00000 | 316523.1 | 211663.7 | 100632.1 | S |
| 180.800 | 0.0000 | 0.0000 | 84.414 | 0.04544 | 0.00000 | 316523.1 | 211665.0 | 100632.1 | S |
| 180.808 | 0.0000 | 0.0000 | 84.414 | 0.04544 | 0.00000 | 316523.1 | 211666.4 | 100632.1 | S |
| 180.817 | 0.0000 | 0.0000 | 84.414 | 0.04544 | 0.00000 | 316523.1 | 211667.8 | 100632.1 | S |
| 180.825 | 0.0000 | 0.0000 | 84.414 | 0.04543 | 0.00000 | 316523.1 | 211669.1 | 100632.1 | S |
| 180.833 | 0.0000 | 0.0000 | 84.414 | 0.04543 | 0.00000 | 316523.1 | 211670.5 | 100632.1 | S |
| 180.842 | 0.0000 | 0.0000 | 84.414 | 0.04542 | 0.00000 | 316523.1 | 211671.9 | 100632.1 | S |
| 180.850 | 0.0000 | 0.0000 | 84.414 | 0.04542 | 0.00000 | 316523.1 | 211673.2 | 100632.1 | S |
| 180.858 | 0.0000 | 0.0000 | 84.413 | 0.04542 | 0.00000 | 316523.1 | 211674.6 | 100632.1 | S |
| 180.867 | 0.0000 | 0.0000 | 84.413 | 0.04541 | 0.00000 | 316523.1 | 211676.0 | 100632.1 | S |
| 180.875 | 0.0000 | 0.0000 | 84.413 | 0.04541 | 0.00000 | 316523.1 | 211677.3 | 100632.1 | S |
| 180.883 | 0.0000 | 0.0000 | 84.413 | 0.04540 | 0.00000 | 316523.1 | 211678.7 | 100632.1 | S |
| 180.892 | 0.0000 | 0.0000 | 84.413 | 0.04540 | 0.00000 | 316523.1 | 211680.0 | 100632.1 | S |
| 180.900 | 0.0000 | 0.0000 | 84.413 | 0.04540 | 0.00000 | 316523.1 | 211681.4 | 100632.1 | S |
| 180.908 | 0.0000 | 0.0000 | 84.413 | 0.04539 | 0.00000 | 316523.1 | 211682.8 | 100632.1 | S |
| 180.917 | 0.0000 | 0.0000 | 84.413 | 0.04539 | 0.00000 | 316523.1 | 211684.1 | 100632.1 | S |
| 180.925 | 0.0000 | 0.0000 | 84.412 | 0.04538 | 0.00000 | 316523.1 | 211685.5 | 100632.1 | S |
| 180.933 | 0.0000 | 0.0000 | 84.412 | 0.04538 | 0.00000 | 316523.1 | 211686.8 | 100632.1 | S |
| 180.942 | 0.0000 | 0.0000 | 84.412 | 0.04538 | 0.00000 | 316523.1 | 211688.2 | 100632.1 | S |
| 180.950 | 0.0000 | 0.0000 | 84.412 | 0.04537 | 0.00000 | 316523.1 | 211689.6 | 100632.1 | S |
| 180.958 | 0.0000 | 0.0000 | 84.412 | 0.04537 | 0.00000 | 316523.1 | 211690.9 | 100632.1 | S |
| 180.967 | 0.0000 | 0.0000 | 84.412 | 0.04536 | 0.00000 | 316523.1 | 211692.3 | 100632.1 | S |
| 180.975 | 0.0000 | 0.0000 | 84.412 | 0.04536 | 0.00000 | 316523.1 | 211693.7 | 100632.1 | S |
| 180.983 | 0.0000 | 0.0000 | 84.412 | 0.04536 | 0.00000 | 316523.1 | 211695.0 | 100632.1 | S |
| 180.992 | 0.0000 | 0.0000 | 84.411 | 0.04535 | 0.00000 | 316523.1 | 211696.4 | 100632.1 | S |
| 181.000 | 0.0000 | 0.0000 | 84.411 | 0.04535 | 0.00000 | 316523.1 | 211697.7 | 100632.1 | S |
| 181.008 | 0.0000 | 0.0000 | 84.411 | 0.04534 | 0.00000 | 316523.1 | 211699.1 | 100632.1 | S |
| 181.017 | 0.0000 | 0.0000 | 84.411 | 0.04534 | 0.00000 | 316523.1 | 211700.5 | 100632.1 | S |
| 181.025 | 0.0000 | 0.0000 | 84.411 | 0.04534 | 0.00000 | 316523.1 | 211701.8 | 100632.1 | S |
| 181.033 | 0.0000 | 0.0000 | 84.411 | 0.04533 | 0.00000 | 316523.1 | 211703.2 | 100632.1 | S |
| 181.042 | 0.0000 | 0.0000 | 84.411 | 0.04533 | 0.00000 | 316523.1 | 211704.5 | 100632.1 | S |
| 181.050 | 0.0000 | 0.0000 | 84.411 | 0.04532 | 0.00000 | 316523.1 | 211705.9 | 100632.1 | S |
| 181.058 | 0.0000 | 0.0000 | 84.410 | 0.04532 | 0.00000 | 316523.1 | 211707.3 | 100632.1 | S |
| 181.067 | 0.0000 | 0.0000 | 84.410 | 0.04532 | 0.00000 | 316523.1 | 211708.6 | 100632.1 | S |
| 181.075 | 0.0000 | 0.0000 | 84.410 | 0.04531 | 0.00000 | 316523.1 | 211710.0 | 100632.1 | S |
| 181.083 | 0.0000 | 0.0000 | 84.410 | 0.04531 | 0.00000 | 316523.1 | 211711.3 | 100632.1 | S |
| 181.092 | 0.0000 | 0.0000 | 84.410 | 0.04530 | 0.00000 | 316523.1 | 211712.7 | 100632.1 | S |
| 181.100 | 0.0000 | 0.0000 | 84.410 | 0.04530 | 0.00000 | 316523.1 | 211714.1 | 100632.1 | S |
| 181.108 | 0.0000 | 0.0000 | 84.410 | 0.04530 | 0.00000 | 316523.1 | 211715.4 | 100632.1 | S |
| 181.117 | 0.0000 | 0.0000 | 84.410 | 0.04529 | 0.00000 | 316523.1 | 211716.8 | 100632.1 | S |
| 181.125 | 0.0000 | 0.0000 | 84.409 | 0.04529 | 0.00000 | 316523.1 | 211718.1 | 100632.1 | S |
| 181.133 | 0.0000 | 0.0000 | 84.409 | 0.04529 | 0.00000 | 316523.1 | 211719.5 | 100632.1 | S |
| 181.142 | 0.0000 | 0.0000 | 84.409 | 0.04528 | 0.00000 | 316523.1 | 211720.8 | 100632.1 | S |
| 181.150 | 0.0000 | 0.0000 | 84.409 | 0.04528 | 0.00000 | 316523.1 | 211722.2 | 100632.1 | S |
| 181.158 | 0.0000 | 0.0000 | 84.409 | 0.04527 | 0.00000 | 316523.1 | 211723.6 | 100632.1 | S |
| 181.167 | 0.0000 | 0.0000 | 84.409 | 0.04527 | 0.00000 | 316523.1 | 211724.9 | 100632.1 | S |
| 181.175 | 0.0000 | 0.0000 | 84.409 | 0.04527 | 0.00000 | 316523.1 | 211726.3 | 100632.1 | S |
| 181.183 | 0.0000 | 0.0000 | 84.409 | 0.04526 | 0.00000 | 316523.1 | 211727.6 | 100632.1 | S |
| 181.192 | 0.0000 | 0.0000 | 84.409 | 0.04526 | 0.00000 | 316523.1 | 211729.0 | 100632.1 | S |
| 181.200 | 0.0000 | 0.0000 | 84.408 | 0.04525 | 0.00000 | 316523.1 | 211730.4 | 100632.1 | S |
| 181.208 | 0.0000 | 0.0000 | 84.408 | 0.04525 | 0.00000 | 316523.1 | 211731.7 | 100632.1 | S |
| 181.217 | 0.0000 | 0.0000 | 84.408 | 0.04525 | 0.00000 | 316523.1 | 211733.1 | 100632.1 | S |
| 181.225 | 0.0000 | 0.0000 | 84.408 | 0.04524 | 0.00000 | 316523.1 | 211734.4 | 100632.1 | S |
| 181.233 | 0.0000 | 0.0000 | 84.408 | 0.04524 | 0.00000 | 316523.1 | 211735.8 | 100632.1 | S |
| 181.242 | 0.0000 | 0.0000 | 84.408 | 0.04523 | 0.00000 | 316523.1 | 211737.1 | 100632.1 | S |
| 181.250 | 0.0000 | 0.0000 | 84.408 | 0.04523 | 0.00000 | 316523.1 | 211738.5 | 100632.1 | S |
| 181.258 | 0.0000 | 0.0000 | 84.408 | 0.04523 | 0.00000 | 316523.1 | 211739.9 | 100632.1 | S |
| 181.267 | 0.0000 | 0.0000 | 84.407 | 0.04522 | 0.00000 | 316523.1 | 211741.2 | 100632.1 | S |
| 181.275 | 0.0000 | 0.0000 | 84.407 | 0.04522 | 0.00000 | 316523.1 | 211742.6 | 100632.1 | S |
| 181.283 | 0.0000 | 0.0000 | 84.407 | 0.04521 | 0.00000 | 316523.1 | 211743.9 | 100632.1 | S |
| 181.292 | 0.0000 | 0.0000 | 84.407 | 0.04521 | 0.00000 | 316523.1 | 211745.3 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft} 3 / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / 5}$ ) | Overflow Discharge ( $\mathrm{fl}^{3 / 5}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume (f $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 181.300 | 0.0000 | 0.0000 | 84.407 | 0.04521 | 0.00000 | 316523.1 | 211746.6 | 100632.1 | S |
| 181.308 | 0.0000 | 0.0000 | 84.407 | 0.04520 | 0.00000 | 316523.1 | 211748.0 | 100632.1 | S |
| 181.317 | 0.0000 | 0.0000 | 84.407 | 0.04520 | 0.00000 | 316523.1 | 211749.3 | 100632.1 | S |
| 181.325 | 0.0000 | 0.0000 | 84.407 | 0.04519 | 0.00000 | 316523.1 | 211750.7 | 100632.1 | S |
| 181.333 | 0.0000 | 0.0000 | 84.406 | 0.04519 | 0.00000 | 316523.1 | 211752.1 | 100632.1 | S |
| 181.342 | 0.0000 | 0.0000 | 84.406 | 0.04519 | 0.00000 | 316523.1 | 211753.4 | 100632.1 | S |
| 181.350 | 0.0000 | 0.0000 | 84.406 | 0.04518 | 0.00000 | 316523.1 | 211754.8 | 100632.1 | S |
| 181.358 | 0.0000 | 0.0000 | 84.406 | 0.04518 | 0.00000 | 316523.1 | 211756.1 | 100632.1 | S |
| 181.367 | 0.0000 | 0.0000 | 84.406 | 0.04517 | 0.00000 | 316523.1 | 211757.5 | 100632.1 | S |
| 181.375 | 0.0000 | 0.0000 | 84.406 | 0.04517 | 0.00000 | 316523.1 | 211758.8 | 100632.1 | S |
| 181,383 | 0.0000 | 0.0000 | 84.406 | 0.04517 | 0.00000 | 316523.1 | 211760.2 | 100632.1 | S |
| 181.392 | 0.0000 | 0.0000 | 84.406 | 0.04516 | 0.00000 | 316523.1 | 211761.5 | 100632.1 | S |
| 181.400 | 0.0000 | 0.0000 | 84.405 | 0.04516 | 0.00000 | 316523.1 | 211762.9 | 100632.1 | S |
| 181.408 | 0.0000 | 0.0000 | 84.405 | 0.04515 | 0.00000 | 316523.1 | 211764.3 | 100632.1 | S |
| 181.417 | 0.0000 | 0.0000 | 84.405 | 0.04515 | 0.00000 | 316523.1 | 211765.6 | 100632.1 | S |
| 181.425 | 0.0000 | 0.0000 | 84.405 | 0.04515 | 0.00000 | 316523.1 | 211767.0 | 100632.1 | S |
| 181.433 | 0.0000 | 0.0000 | 84.405 | 0.04514 | 0.00000 | 316523.1 | 211768.3 | 100632.1 | S |
| 181.442 | 0.0000 | 0.0000 | 84.405 | 0.04514 | 0.00000 | 316523.1 | 211769.7 | 100632.1 | S |
| 181.450 | 0.0000 | 0.0000 | 84.405 | 0.04513 | 0.00000 | 316523.1 | 211771.0 | 100632.1 | S |
| 181.458 | 0.0000 | 0.0000 | 84.405 | 0.04513 | 0.00000 | 316523.1 | 211772.4 | 100632.1 | S |
| 181.467 | 0.0000 | 0.0000 | 84.404 | 0.04513 | 0.00000 | 316523.1 | 211773.7 | 100632.1 | S |
| 181.475 | 0.0000 | 0.0000 | 84.404 | 0.04512 | 0.00000 | 316523.1 | 211775.1 | 100632.1 | S |
| 181.483 | 0.0000 | 0.0000 | 84.404 | 0.04512 | 0.00000 | 316523.1 | 211776.4 | 100632.1 | S |
| 181.492 | 0.0000 | 0.0000 | 84.404 | 0.04512 | 0.00000 | 316523.1 | 211777.8 | 100632.1 | S |
| 181.500 | 0.0000 | 0.0000 | 84.404 | 0.04511 | 0.00000 | 316523.1 | 211779.2 | 100632.1 | S |
| 181.508 | 0.0000 | 0.0000 | 84.404 | 0.04511 | 0.00000 | 316523.1 | 211780.5 | 100632.1 | S |
| 181.517 | 0.0000 | 0.0000 | 84.404 | 0.04510 | 0.00000 | 316523.1 | 211781.9 | 100632.1 | S |
| 181.525 | 0.0000 | 0.0000 | 84.404 | 0.04510 | 0.00000 | 316523.1 | 211783.2 | 100632.1 | S |
| 181.533 | 0.0000 | 0.0000 | 84.403 | 0.04510 | 0.00000 | 316523.1 | 211784.6 | 100632.1 | S |
| 181.542 | 0.0000 | 0.0000 | 84.403 | 0.04509 | 0.00000 | 316523.1 | 211785.9 | 100632.1 | S |
| 181.550 | 0.0000 | 0.0000 | 84.403 | 0.04509 | 0.00000 | 316523.1 | 211787.3 | 100632.1 | S |
| 181.558 | 0.0000 | 0.0000 | 84.403 | 0.04508 | 0.00000 | 316523.1 | 211788.6 | 100632.1 | S |
| 181.567 | 0.0000 | 0.0000 | 84.403 | 0.04508 | 0.00000 | 316523.1 | 211790.0 | 100632.1 | S |
| 181.575 | 0.0000 | 0.0000 | 84.403 | 0.04508 | 0.00000 | 316523.1 | 211791.3 | 100632.1 | S |
| 181.583 | 0.0000 | 0.0000 | 84.403 | 0.04507 | 0.00000 | 316523.1 | 211792.7 | 100632.1 | S |
| 181.592 | 0.0000 | 0.0000 | 84.403 | 0.04507 | 0.00000 | 316523.1 | 211794.0 | 100632.1 | S |
| 181.600 | 0.0000 | 0.0000 | 84.402 | 0.04506 | 0.00000 | 316523.1 | 211795.4 | 100632.1 | S |
| 181.608 | 0.0000 | 0.0000 | 84.402 | 0.04506 | 0.00000 | 316523.1 | 211796.7 | 100632.1 | S |
| 181.617 | 0.0000 | 0.0000 | 84.402 | 0.04506 | 0.00000 | 316523.1 | 211798.1 | 100632.1 | S |
| 181.625 | 0.0000 | 0.0000 | 84.402 | 0.04505 | 0.00000 | 316523.1 | 211799.4 | 100632.1 | S |
| 181.633 | 0.0000 | 0.0000 | 84.402 | 0.04505 | 0.00000 | 316523.1 | 211800.8 | 100632.1 | S |
| 181.642 | 0.0000 | 0.0000 | 84.402 | 0.04504 | 0.00000 | 316523.1 | 211802.1 | 100632.1 | S |
| 181.650 | 0.0000 | 0.0000 | 84.402 | 0.04504 | 0.00000 | 316523.1 | 211803.5 | 100632.1 | S |
| 181.658 | 0.0000 | 0.0000 | 84.402 | 0.04504 | 0.00000 | 316523.1 | 211804.8 | 100632.1 | S |
| 181.667 | 0.0000 | 0.0000 | 84.401 | 0.04503 | 0.00000 | 316523.1 | 211806.2 | 100632.1 | S |
| 181.675 | 0.0000 | 0.0000 | 84.401 | 0.04503 | 0.00000 | 316523.1 | 211807.5 | 100632.1 | S |
| 181.683 | 0.0000 | 0.0000 | 84.401 | 0.04502 | 0.00000 | 316523.1 | 211808.9 | 100632.1 | S |
| 181.692 | 0.0000 | 0.0000 | 84.401 | 0.04502 | 0.00000 | 316523.1 | 211810.3 | 100632.1 | S |
| 181.700 | 0.0000 | 0.0000 | 84.401 | 0.04502 | 0.00000 | 316523.1 | 211811.6 | 100632.1 | S |
| 181.708 | 0.0000 | 0.0000 | 84.401 | 0.04501 | 0.00000 | 316523.1 | 211813.0 | 100632.1 | S |
| 181.717 | 0.0000 | 0.0000 | 84.401 | 0.04501 | 0.00000 | 316523.1 | 211814.3 | 100632.1 | S |
| 181.725 | 0.0000 | 0.0000 | 84.401 | 0.04501 | 0.00000 | 316523.1 | 211815.7 | 100632.1 | S |
| 181.733 | 0.0000 | 0.0000 | 84.401 | 0.04500 | 0.00000 | 316523.1 | 211817.0 | 100632.1 | S |
| 181.742 | 0.0000 | 0.0000 | 84.400 | 0.04500 | 0.00000 | 316523.1 | 211818.3 | 100632.1 | S |
| 181.750 | 0.0000 | 0.0000 | 84.400 | 0.04499 | 0.00000 | 316523.1 | 211819.7 | 100632.1 | S |
| 181.758 | 0.0000 | 0.0000 | 84.400 | 0.04499 | 0.00000 | 316523.1 | 211821.0 | 100632.1 | S |
| 181.767 | 0.0000 | 0.0000 | 84.400 | 0.04499 | 0.00000 | 316523.1 | 211822.4 | 100632.1 | S |
| 181.775 | 0.0000 | 0.0000 | 84.400 | 0.04498 | 0.00000 | 316523.1 | 211823.8 | 100632.1 | S |
| 181.783 | 0.0000 | 0.0000 | 84.400 | 0.04498 | 0.00000 | 316523.1 | 211825.1 | 100632.1 | S |
| 181.792 | 0.0000 | 0.0000 | 84.400 | 0.04497 | 0.00000 | 316523.1 | 211826.5 | 100632.1 | S |
| 181.800 | 0.0000 | 0.0000 | 84.400 | 0.04497 | 0.00000 | 316523.1 | 211827.8 | 100632.1 | S |
| 181.808 | 0.0000 | 0.0000 | 84.399 | 0.04497 | 0.00000 | 316523.1 | 211829.1 | 100632.1 | S |
| 181.817 | 0.0000 | 0.0000 | 84.399 | 0.04496 | 0.00000 | 316523.1 | 211830.5 | 100632.1 | S |
| 181.825 | 0.0000 | 0.0000 | 84.399 | 0.04496 | 0.00000 | 316523.1 | 211831.8 | 100632.1 | S |
| 181.833 | 0.0000 | 0.0000 | 84.399 | 0.04495 | 0.00000 | 316523.1 | 211833.2 | 100632.1 | S |
| 181.842 | 0.0000 | 0.0000 | 84.399 | 0.04495 | 0.00000 | 316523.1 | 211834.5 | 100632.1 | S |
| 181.850 | 0.0000 | 0.0000 | 84.399 | 0.04495 | 0.00000 | 316523.1 | 211835.9 | 100632.1 | S |
| 181.858 | 0.0000 | 0.0000 | 84.399 | 0.04494 | 0.00000 | 316523.1 | 211837.2 | 100632.1 | S |
| 181.867 | 0.0000 | 0.0000 | 84.399 | 0.04494 | 0.00000 | 316523.1 | 211838.6 | 100632.1 | S |
| 181.875 | 0.0000 | 0.0000 | 84.398 | 0.04493 | 0.00000 | 316523.1 | 211839.9 | 100632.1 | S |
| 181.883 | 0.0000 | 0.0000 | 84.398 | 0.04493 | 0.00000 | 316523.1 | 211841.3 | 100632.1 | S |
| 181.892 | 0.0000 | 0.0000 | 84.398 | 0.04493 | 0.00000 | 316523.1 | 211842.6 | 100632.1 | S |
| 181.900 | 0.0000 | 0.0000 | 84.398 | 0.04492 | 0.00000 | 316523.1 | 211844.0 | 100632.1 | S |
| 181.908 | 0.0000 | 0.0000 | 84.398 | 0.04492 | 0.00000 | 316523.1 | 211845.3 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (fl datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative <br> Discharge <br> Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 181.917 | 0.0000 | 0.0000 | 84.398 | 0.04491 | 0.00000 | 316523.1 | 211846.7 | 100632.1 | S |
| 181.925 | 0.0000 | 0.0000 | 84.398 | 0.04491 | 0.00000 | 316523.1 | 211848.0 | 100632.1 | S |
| 181.933 | 0.0000 | 0.0000 | 84.398 | 0.04491 | 0.00000 | 316523.1 | 211849.4 | 100632.1 | S |
| 181.942 | 0.0000 | 0.0000 | 84.397 | 0.04490 | 0.00000 | 316523.1 | 211850.7 | 100632.1 | S |
| 181.950 | 0.0000 | 0.0000 | 84.397 | 0.04490 | 0.00000 | 316523.1 | 211852.1 | 100632.1 | S |
| 181.958 | 0.0000 | 0.0000 | 84.397 | 0.04490 | 0.00000 | 316523.1 | 211853.4 | 100632.1 | S |
| 181.967 | 0.0000 | 0.0000 | 84.397 | 0.04489 | 0.00000 | 316523.1 | 211854.8 | 100632.1 | S |
| 181.975 | 0.0000 | 0.0000 | 84.397 | 0.04489 | 0.00000 | 316523.1 | 211856.1 | 100632.1 | S |
| 181.983 | 0.0000 | 0.0000 | 84.397 | 0.04488 | 0.00000 | 316523.1 | 211857.5 | 100632.1 | S |
| 181.992 | 0.0000 | 0.0000 | 84.397 | 0.04488 | 0.00000 | 316523.1 | 211858.8 | 100632.1 | S |
| 182.000 | 0.0000 | 0.0000 | 84.397 | 0.04488 | 0.00000 | 316523.1 | 211860.1 | 100632.1 | S |
| 182.008 | 0.0000 | 0.0000 | 84.396 | 0.04487 | 0.00000 | 316523.1 | 211861.5 | 100632.1 | S |
| 182.017 | 0.0000 | 0.0000 | 84.396 | 0.04487 | 0.00000 | 316523.1 | 211862.8 | 100632.1 | S |
| 182.025 | 0.0000 | 0.0000 | 84.396 | 0.04486 | 0.00000 | 316523.1 | 211864.2 | 100632.1 | S |
| 182.033 | 0.0000 | 0.0000 | 84.396 | 0.04486 | 0.00000 | 316523.1 | 211865.5 | 100632.1 | S |
| 182.042 | 0.0000 | 0.0000 | 84.396 | 0.04486 | 0.00000 | 316523.1 | 211866.9 | 100632.1 | S |
| 182.050 | 0.0000 | 0.0000 | 84.396 | 0.04485 | 0.00000 | 316523.1 | 211868.2 | 100632.1 | S |
| 182.058 | 0.0000 | 0.0000 | 84.396 | 0.04485 | 0.00000 | 316523.1 | 211869.6 | 100632.1 | S |
| 182.067 | 0.0000 | 0.0000 | 84.396 | 0.04484 | 0.00000 | 316523.1 | 211870.9 | 100632.1 | S |
| 182.075 | 0.0000 | 0.0000 | 84.395 | 0.04484 | 0.00000 | 316523.1 | 211872.3 | 100632.1 | S |
| 182.083 | 0.0000 | 0.0000 | 84.395 | 0.04484 | 0.00000 | 316523.1 | 211873.6 | 100632.1 | S |
| 182.092 | 0.0000 | 0.0000 | 84.395 | 0.04483 | 0.00000 | 316523.1 | 211874.9 | 100632.1 | S |
| 182.100 | 0.0000 | 0.0000 | 84.395 | 0.04483 | 0.00000 | 316523.1 | 211876.3 | 100632.1 | S |
| 182.108 | 0.0000 | 0.0000 | 84.395 | 0.04482 | 0.00000 | 316523.1 | 211877.6 | 100632.1 | S |
| 182.117 | 0.0000 | 0.0000 | 84.395 | 0.04482 | 0.00000 | 316523.1 | 211879.0 | 100632.1 | S |
| 182.125 | 0.0000 | 0.0000 | 84.395 | 0.04482 | 0.00000 | 316523.1 | 211880.3 | 100632.1 | S |
| 182.133 | 0.0000 | 0.0000 | 84.395 | 0.04481 | 0.00000 | 316523.1 | 211881.7 | 100632.1 | S |
| 182.142 | 0.0000 | 0.0000 | 84.394 | 0.04481 | 0.00000 | 316523.1 | 211883.0 | 100632.1 | S |
| 182.150 | 0.0000 | 0.0000 | 84.394 | 0.04481 | 0.00000 | 316523.1 | 211884.4 | 100632.1 | S |
| 182.158 | 0.0000 | 0.0000 | 84.394 | 0.04480 | 0.00000 | 316523.1 | 211885.7 | 100632.1 | S |
| 182.167 | 0.0000 | 0.0000 | 84.394 | 0.04480 | 0.00000 | 316523.1 | 211887.0 | 100632.1 | S |
| 182.175 | 0.0000 | 0.0000 | 84.394 | 0.04479 | 0.00000 | 316523.1 | 211888.4 | 100632.1 | S |
| 182.183 | 0.0000 | 0.0000 | 84.394 | 0.04479 | 0.00000 | 316523.1 | 211889.7 | 100632.1 | S |
| 182.192 | 0.0000 | 0.0000 | 84.394 | 0.04479 | 0.00000 | 316523.1 | 211891.1 | 100632.1 | S |
| 182.200 | 0.0000 | 0.0000 | 84.394 | 0.04478 | 0.00000 | 376523.1 | 211892.4 | 100632.1 | S |
| 182.208 | 0.0000 | 0.0000 | 84.394 | 0.04478 | 0.00000 | 316523.1 | 211893.8 | 100632.1 | S |
| 182.217 | 0.0000 | 0.0000 | 84.393 | 0.04477 | 0.00000 | 316523.1 | 211895.1 | 100632.1 | S |
| 182.225 | 0.0000 | 0.0000 | 84.393 | 0.04477 | 0.00000 | 316523.1 | 211896.5 | 100632.1 | S |
| 182.233 | 0.0000 | 0.0000 | 84.393 | 0.04477 | 0.00000 | 316523.1 | 211897.8 | 100632.1 | S |
| 182.242 | 0.0000 | 0.0000 | 84.393 | 0.04476 | 0.00000 | 316523.1 | 211899.1 | 100632.1 | S |
| 182.250 | 0.0000 | 0.0000 | 84.393 | 0.04476 | 0.00000 | 316523.1 | 211900.5 | 100632.1 | S |
| 182.258 | 0.0000 | 0.0000 | 84.393 | 0.04475 | 0.00000 | 316523.1 | 211901.8 | 100632.1 | S |
| 182.267 | 0.0000 | 0.0000 | 84.393 | 0.04475 | 0.00000 | 316523.1 | 211903.2 | 100632.1 | S |
| 182.275 | 0.0000 | 0.0000 | 84.393 | 0.04475 | 0.00000 | 316523.1 | 211904.5 | 100632.1 | S |
| 182.283 | 0.0000 | 0.0000 | 84.392 | 0.04474 | 0.00000 | 316523.1 | 211905.8 | 100632.1 | S |
| 182.292 | 0.0000 | 0.0000 | 84.392 | 0.04474 | 0.00000 | 316523.1 | 211907.2 | 100632.1 | S |
| 182.300 | 0.0000 | 0.0000 | 84.392 | 0.04473 | 0.00000 | 316523.1 | 211908.5 | 100632.1 | S |
| 182.308 | 0.0000 | 0.0000 | 84.392 | 0.04473 | 0.00000 | 316523.1 | 211909.9 | 100632.1 | S |
| 182.317 | 0.0000 | 0.0000 | 84.392 | 0.04473 | 0.00000 | 316523.1 | 211911.2 | 100632.1 | S |
| 182.325 | 0.0000 | 0.0000 | 84.392 | 0.04472 | 0.00000 | 316523.1 | 211912.5 | 100632.1 | S |
| 482.333 | 0.0000 | 0.0000 | 84.392 | 0.04472 | 0.00000 | 316523.1 | 211913.9 | 100632.1 | S |
| 182.342 | 0.0000 | 0.0000 | 84.392 | 0.04472 | 0.00000 | 316523.1 | 211915.2 | 100632.1 | S |
| 182.350 | 0.0000 | 0.0000 | 84.391 | 0.04471 | 0.00000 | 316523.1 | 211916.6 | 100632.1 | S |
| 182.358 | 0.0000 | 0.0000 | 84.391 | 0.04471 | 0.00000 | 316523.1 | 211917.9 | 100632.1 | S |
| 182.367 | 0.0000 | 0.0000 | 84.391 | 0.04470 | 0.00000 | 316523.1 | 211919.3 | 100632.1 | S |
| 182.375 | 0.0000 | 0.0000 | 84.391 | 0.04470 | 0.00000 | 316523.1 | 211920.6 | 100632.1 | S |
| 182.383 | 0.0000 | 0.0000 | 84.391 | 0.04470 | 0.00000 | 316523.1 | 211921.9 | 100632.1 | S |
| 182.392 | 0.0000 | 0.0000 | 84.391 | 0.04469 | 0.00000 | 316523.1 | 211923.3 | 100632.1 | S |
| 182.400 | 0.0000 | 0.0000 | 84.391 | 0.04469 | 0.00000 | 316523.1 | 211924.6 | 100632.1 | S |
| 182.408 | 0.0000 | 0.0000 | 84.391 | 0.04468 | 0.00000 | 316523.1 | 211926.0 | 100632.1 | S |
| 182.417 | 0.0000 | 0.0000 | 84.390 | 0.04468 | 0.00000 | 316523.1 | 211927.3 | 100632.1 | S |
| 182.425 | 0.0000 | 0.0000 | 84.390 | 0.04468 | 0.00000 | 316523.1 | 211928.6 | 100632.1 | S |
| 182.433 | 0.0000 | 0.0000 | 84.390 | 0.04467 | 0.00000 | 316523.1 | 211930.0 | 100632.1 | S |
| 182.442 | 0.0000 | 0.0000 | 84.390 | 0.04467 | 0.00000 | 316523.1 | 211931.3 | 100632.1 | S |
| 182.450 | 0.0000 | 0.0000 | 84.390 | 0.04466 | 0.00000 | 316523.1 | 211932.7 | 100632.1 | S |
| 182.458 | 0.0000 | 0.0000 | 84.390 | 0.04466 | 0.00000 | 316523.1 | 211934.0 | 100632.1 | S |
| 182.467 | 0.0000 | 0.0000 | 84.390 | 0.04466 | 0.00000 | 316523.1 | 211935.3 | 100632.1 | S |
| 182.475 | 0.0000 | 0.0000 | 84.390 | 0.04465 | 0.00000 | 316523.1 | 211936.7 | 100632.1 | S |
| 182.483 | 0.0000 | 0.0000 | 84.389 | 0.04465 | 0.00000 | 316523.1 | 211938.0 | 100632.1 | S |
| 182.492 | 0.0000 | 0.0000 | 84.389 | 0.04465 | 0.00000 | 316523.1 | 211939.4 | 100632.1 | S |
| 182.500 | 0.0000 | 0.0000 | 84.389 | 0.04464 | 0.00000 | 316523.1 | 211940.7 | 100632.1 | S |
| 182.508 | 0.0000 | 0.0000 | 84.389 | 0.04464 | 0.00000 | 316523.1 | 211942.0 | 100632.1 | S |
| 182.517 | 0.0000 | 0.0000 | 84.389 | 0.04463 | 0.00000 | 316523.1 | 211943.4 | 100632.1 | S |
| 182.525 | 0.0000 | 0.0000 | 84.389 | 0.04463 | 0.00000 | 316523.1 | 211944.7 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario $1::$ pond10 100 yr $/ 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | Inflow Rate <br> ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3 / 3} \mathrm{~s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{t}^{3}$ ) | Cumulative Infiltration Volume (ft ${ }^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 182.533 | 0.0000 | 0.0000 | 84.389 | 0.04463 | 0.00000 | 316523.1 | 211946.1 | 100632.1 | S |
| 182.542 | 0.0000 | 0.0000 | 84.389 | 0.04462 | 0.00000 | 316523.1 | 211947.4 | 100632.1 | S |
| 182.550 | 0.0000 | 0.0000 | 84.388 | 0.04462 | 0.00000 | 316523.1 | 211948.7 | 100632.1 | S |
| 182.558 | 0.0000 | 0.0000 | 84.388 | 0.04461 | 0.00000 | 316523.1 | 211950.1 | 100632.1 | 5 |
| 182.567 | 0.0000 | 0.0000 | 84.388 | 0.04461 | 0.00000 | 316523.1 | 211951.4 | 100632.1 | S |
| 182.575 | 0.0000 | 0.0000 | 84.388 | 0.04461 | 0.00000 | 316523.1 | 211952.8 | 100632.1 | S |
| 182.583 | 0.0000 | 0.0000 | 84.388 | 0.04460 | 0.00000 | 316523.1 | 211954.1 | 100632.1 | S |
| 182.592 | 0.0000 | 0.0000 | 84.388 | 0.04460 | 0.00000 | 316523.1 | 211955.4 | 100632.1 | S |
| 182.600 | 0.0000 | 0.0000 | 84.388 | 0.04459 | 0.00000 | 316523.1 | 211956.8 | 100632.1 | S |
| 182.608 | 0.0000 | 0.0000 | 84.388 | 0.04459 | 0.00000 | 316523.1 | 211958.1 | 100632.1 | S |
| 182.617 | 0.0000 | 0.0000 | 84.388 | 0.04459 | 0.00000 | 316523.1 | 211959.4 | 100632.1 | S |
| 182.625 | 0.0000 | 0.0000 | 84.387 | 0.04458 | 0.00000 | 316523.1 | 211960.8 | 100632.1 | S |
| 182.633 | 0.0000 | 0.0000 | 84.387 | 0.04458 | 0.00000 | 316523.1 | 211962.1 | 100632.1 | S |
| 182.642 | 0.0000 | 0.0000 | 84.387 | 0.04458 | 0.00000 | 316523.1 | 211963.5 | 100632.1 | S |
| 182.650 | 0.0000 | 0.0000 | 84.387 | 0.04457 | 0.00000 | 316523.1 | 211964.8 | 100632.1 | S |
| 182.658 | 0.0000 | 0.0000 | 84.387 | 0.04457 | 0.00000 | 316523.1 | 211966.1 | 100632.1 | S |
| 182.667 | 0.0000 | 0.0000 | 84.387 | 0.04456 | 0.00000 | 316523.1 | 211967.5 | 100632.1 | S |
| 182.675 | 0.0000 | 0.0000 | 84.387 | 0.04456 | 0.00000 | 316523.1 | 211968.8 | 100632.1 | S |
| 182.683 | 0.0000 | 0.0000 | 84.387 | 0.04456 | 0.00000 | 316523.1 | 211970.1 | 100632.1 | S |
| 182.692 | 0.0000 | 0.0000 | 84.386 | 0.04455 | 0.00000 | 316523.1 | 211971.5 | 100632.1 | S |
| 182.700 | 0.0000 | 0.0000 | 84.386 | 0.04455 | 0.00000 | 316523.1 | 211972.8 | 100632.1 | S |
| \$82.708 | 0.0000 | 0.0000 | 84.386 | 0.04454 | 0.00000 | 316523.1 | 211974.2 | 100632.1 | S |
| 182.717 | 0.0000 | 0.0000 | 84.386 | 0.04454 | 0.00000 | 316523.1 | 211975.5 | 100632.1 | S |
| 182.725 | 0.0000 | 0.0000 | 84.386 | 0.04454 | 0.00000 | 316523.1 | 211976.8 | 100632.1 | S |
| 182.733 | 0.0000 | 0.0000 | 84.386 | 0.04453 | 0.00000 | 316523.1 | 211978.2 | 100632.1 | S |
| 182.742 | 0.0000 | 0.0000 | 84.386 | 0.04453 | 0.00000 | 316523.1 | 211979.5 | 100632.1 | S |
| 182.750 | 0.0000 | 0.0000 | 84.386 | 0.04452 | 0.00000 | 316523.1 | 211980.8 | 100632.1 | S |
| 182.758 | 0.0000 | 0.0000 | 84.385 | 0.04452 | 0.00000 | 316523.1 | 211982.2 | 100632.1 | S |
| 182.767 | 0.0000 | 0.0000 | 84.385 | 0.04452 | 0.00000 | 316523.1 | 211983.5 | 100632.1 | S |
| 182.775 | 0.0000 | 0.0000 | 84.385 | 0.04451 | 0.00000 | 316523.1 | 211984.8 | 100632.1 | 5 |
| 182.783 | 0.0000 | 0.0000 | 84.385 | 0.04451 | 0.00000 | 316523.1 | 211986.2 | 100632.1 | S |
| 182.792 | 0.0000 | 0.0000 | 84.385 | 0.04451 | 0.00000 | 316523.1 | 211987.5 | 100632.1 | S |
| 182.800 | 0.0000 | 0.0000 | 84.385 | 0.04450 | 0.00000 | 316523.1 | 211988.8 | 100632.1 | S |
| 182.808 | 0.0000 | 0.0000 | 84.385 | 0.04450 | 0.00000 | 316523.1 | 211990.2 | 100632.1 | S |
| 182.817 | 0.0000 | 0.0000 | 84.385 | 0.04449 | 0.00000 | 316523.1 | 211991.5 | 100632.1 | S |
| 182.825 | 0.0000 | 0.0000 | 84.384 | 0.04449 | 0.00000 | 316523.1 | 211992.8 | 100632.1 | S |
| 182.833 | 0.0000 | 0.0000 | 84.384 | 0.04449 | 0.00000 | 316523.1 | 211994.2 | 100632.1 | S |
| 182.842 | 0.0000 | 0.0000 | 84.384 | 0.04448 | 0.00000 | 316523.1 | 211995.5 | 100632.1 | S |
| 182.850 | 0.0000 | 0.0000 | 84.384 | 0.04448 | 0.00000 | 316523.1 | 211996.8 | 100632.1 | S |
| 182.858 | 0.0000 | 0.0000 | 84.384 | 0.04447 | 0.00000 | 316523.1 | 211998.2 | 100632.1 | S |
| 182.867 | 0.0000 | 0.0000 | 84.384 | 0.04447 | 0.00000 | 316523.1 | 211999.5 | 100632.1 | S |
| 182.875 | 0.0000 | 0.0000 | 84.384 | 0.04447 | 0.00000 | 316523.1 | 212000.9 | 100632.1 | S |
| 182.883 | 0.0000 | 0.0000 | 84.384 | 0.04446 | 0.00000 | 316523.1 | 212002.2 | 100632.1 | S |
| 182.892 | 0.0000 | 0.0000 | 84.383 | 0.04446 | 0.00000 | 316523.1 | 212003.5 | 100632.1 | S |
| 182.900 | 0.0000 | 0.0000 | 84.383 | 0.04445 | 0.00000 | 316523.1 | 212004.9 | 100632.1 | S |
| 182.908 | 0.0000 | 0.0000 | 84.383 | 0.04445 | 0.00000 | 316523.1 | 212006.2 | 100632.1 | S |
| 182.917 | 0.0000 | 0.0000 | 84.383 | 0.04445 | 0.00000 | 316523.1 | 212007.5 | 100632.1 | S |
| 182.925 | 0.0000 | 0.0000 | 84.383 | 0.04444 | 0.00000 | 316523.1 | 212008.9 | 100632.1 | S |
| 182.933 | 0.0000 | 0.0000 | 84.383 | 0.04444 | 0.00000 | 316523.1 | 212010.2 | 100632.1 | S |
| 182.942 | 0.0000 | 0.0000 | 84.383 | 0.04444 | 0.00000 | 316523.1 | 212011.5 | 100632.1 | S |
| 182.950 | 0.0000 | 0.0000 | 84.383 | 0.04443 | 0.00000 | 316523.1 | 212012.9 | 100632.1 | S |
| 182.958 | 0.0000 | 0.0000 | 84.382 | 0.04443 | 0.00000 | 316523.1 | 212014.2 | 100632.1 | S |
| 182.967 | 0.0000 | 0.0000 | 84.382 | 0.04442 | 0.00000 | 316523.1 | 212015.5 | 100632.1 | S |
| 182.975 | 0.0000 | 0.0000 | 84.382 | 0.04442 | 0.00000 | 316523.1 | 212016.8 | 100632.1 | S |
| 182.983 | 0.0000 | 0.0000 | 84.382 | 0.04442 | 0.00000 | 316523.1 | 212018.2 | 100632.1 | S |
| 182.992 | 0.0000 | 0.0000 | 84.382 | 0.04441 | 0.00000 | 316523.1 | 212019.5 | 100632.1 | S |
| 183.000 | 0.0000 | 0.0000 | 84.382 | 0.04441 | 0.00000 | 316523.1 | 212020.8 | 100632.1 | S |
| 183.008 | 0.0000 | 0.0000 | 84.382 | 0.04440 | 0.00000 | 316523.1 | 212022.2 | 100632.1 | S |
| 183.017 | 0.0000 | 0.0000 | 84.382 | 0.04440 | 0.00000 | 316523.1 | 212023.5 | 100632.1 | S |
| 183.025 | 0.0000 | 0.0000 | 84.382 | 0.04440 | 0.00000 | 316523.1 | 212024.8 | 100632.1 | S |
| 183.033 | 0.0000 | 0.0000 | 84.381 | 0.04439 | 0.00000 | 316523.1 | 212026.2 | 100632.1 | S |
| 183.042 | 0.0000 | 0.0000 | 84.381 | 0.04439 | 0.00000 | 316523.1 | 212027.5 | 100632.1 | S |
| 183.050 | 0.0000 | 0.0000 | 84.381 | 0.04438 | 0.00000 | 316523.1 | 212028.8 | 100632.1 | S |
| 183.058 | 0.0000 | 0.0000 | 84.381 | 0.04438 | 0.00000 | 316523.1 | 212030.2 | 100632.1 | S |
| 183.067 | 0.0000 | 0.0000 | 84.381 | 0.04438 | 0.00000 | 316523.1 | 212031.5 | 100632.1 | S |
| 183.075 | 0.0000 | 0.0000 | 84.381 | 0.04437 | 0.00000 | 316523.1 | 212032.8 | 100632.1 | S |
| 183.083 | 0.0000 | 0.0000 | 84.381 | 0.04437 | 0.00000 | 316523.1 | 212034.2 | 100632.1 | S |
| 183.092 | 0.0000 | 0.0000 | 84.381 | 0.04437 | 0.00000 | 316523.1 | 212035.5 | 100632.1 | S |
| 183.100 | 0.0000 | 0.0000 | 84.380 | 0.04436 | 0.00000 | 316523.1 | 212036.8 | 100632.1 | S |
| 183.108 | 0.0000 | 0.0000 | 84.380 | 0.04436 | 0.00000 | 316523.1 | 212038.2 | 100632.1 | S |
| 183.117 | 0.0000 | 0.0000 | 84.380 | 0.04435 | 0.00000 | 316523.1 | 212039.5 | 100632.1 | S |
| 183.125 | 0.0000 | 0.0000 | 84.380 | 0.04435 | 0.00000 | 316523.1 | 212040.8 | 100632.1 | S |
| 183.133 | 0.0000 | 0.0000 | 84.380 | 0.04435 | 0.00000 | 316523.1 | 212042.2 | 100632.1 | S |
| 183.142 | 0.0000 | 0.0000 | 84.380 | 0.04434 | 0.00000 | 316523.1 | 212043.5 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow <br> Rate <br> ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (fl datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Dischafge ( $\mathrm{fl}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{n}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ¢83.150 | 0.0000 | 0.0000 | 84.380 | 0.04434 | 0.00000 | 316523.1 | 212044.8 | 100632.1 | S |
| 183.158 | 0.0000 | 0.0000 | 84.380 | 0.04433 | 0.00000 | 316523.1 | 212046.1 | 100632.1 | S |
| 183.167 | 0.0000 | 0.0000 | 84.379 | 0.04433 | 0.00000 | 316523.1 | 212047.5 | 100632.1 | S |
| 183.175 | 0.0000 | 0.0000 | 84.379 | 0.04433 | 0.00000 | 316523.1 | 212048.8 | 100632.1 | S |
| 183.183 | 0.0000 | 0.0000 | 84.379 | 0.04432 | 0.00000 | 316523.1 | 212050.1 | 100632.1 | S |
| 183.192 | 0.0000 | 0.0000 | 84.379 | 0.04432 | 0.00000 | 316523.1 | 212051.5 | 100632.1 | S |
| 183.200 | 0.0000 | 0.0000 | 84.379 | 0.04432 | 0.00000 | 316523.1 | 212052.8 | 100632.1 | S |
| 183.208 | 0.0000 | 0.0000 | 84.379 | 0.04431 | 0.00000 | 316523.1 | 212054.1 | 100632.1 | S |
| 183.217 | 0.0000 | 0.0000 | 84.379 | 0.04431 | 0.00000 | 316523.1 | 212055.5 | 100632.1 | S |
| 183.225 | 0.0000 | 0.0000 | 84.379 | 0.04430 | 0.00000 | 316523.1 | 212056.8 | 100632.1 | S |
| 183.233 | 0.0000 | 0.0000 | 84.378 | 0.04430 | 0.00000 | 316523.1 | 212058.1 | 100632.1 | S |
| 183.242 | 0.0000 | 0.0000 | 84.378 | 0.04430 | 0.00000 | 316523.1 | 212059.4 | 100632.1 | S |
| 183.250 | 0.0000 | 0.0000 | 84.378 | 0.04429 | 0.00000 | 316523.1 | 212060.8 | 100632.1 | S |
| 183.258 | 0.0000 | 0.0000 | 84.378 | 0.04429 | 0.00000 | 316523.1 | 212062.1 | 100632.1 | S |
| 183.267 | 0.0000 | 0.0000 | 84.378 | 0.04428 | 0.00000 | 316523.1 | 212063.4 | 100632.1 | S |
| 183.275 | 0.0000 | 0.0000 | 84.378 | 0.04428 | 0.00000 | 316523.1 | 212064.8 | 100632.1 | S |
| 183.283 | 0.0000 | 0.0000 | 84.378 | 0.04428 | 0.00000 | 316523.1 | 212066.1 | 100632.1 | S |
| 183.292 | 0.0000 | 0.0000 | 84.378 | 0.04427 | 0.00000 | 316523.1 | 212067.4 | 100632.1 | S |
| 183.300 | 0.0000 | 0.0000 | 84.377 | 0.04427 | 0.00000 | 316523.1 | 212068.7 | 100632.1 | S |
| 183.308 | 0.0000 | 0.0000 | 84.377 | 0.04427 | 0.00000 | 316523.1 | 212070.1 | 100632.1 | S |
| 183.317 | 0.0000 | 0.0000 | 84.377 | 0.04426 | 0.00000 | 316523.1 | 212071.4 | 100632.1 | S |
| 183.325 | 0.0000 | 0.0000 | 84.377 | 0.04426 | 0.00000 | 316523.1 | 212072.7 | 100632.1 | S |
| 183.333 | 0.0000 | 0.0000 | 84.377 | 0.04425 | 0.00000 | 316523.1 | 212074.0 | 100632.1 | S |
| 183.342 | 0.0000 | 0.0000 | 84.377 | 0.04425 | 0.00000 | 316523.1 | 212075.4 | 100632.1 | S |
| 183.350 | 0.0000 | 0.0000 | 84.377 | 0.04425 | 0.00000 | 316523.1 | 212076.7 | 100632.1 | S |
| 183.358 | 0.0000 | 0.0000 | 84.377 | 0.04424 | 0.00000 | 316523.1 | 212078.0 | 100632.1 | S |
| 183.367 | 0.0000 | 0.0000 | 84.377 | 0.04424 | 0.00000 | 316523.1 | 212079.4 | 100632.1 | S |
| 183.375 | 0.0000 | 0.0000 | 84.376 | 0.04423 | 0.00000 | 316523.1 | 212080.7 | 100632.1 | S |
| 183.383 | 0.0000 | 0.0000 | 84.376 | 0.04423 | 0.00000 | 316523.1 | 212082.0 | 100632.1 | S |
| 183.392 | 0.0000 | 0.0000 | 84.376 | 0.04423 | 0.00000 | 316523.1 | 212083.3 | 100632.1 | S |
| 183.400 | 0.0000 | 0.0000 | 84.376 | 0.04422 | 0.00000 | 316523.1 | 212084.7 | 100632.1 | S |
| 183.408 | 0.0000 | 0.0000 | 84.376 | 0.04422 | 0.00000 | 316523.1 | 212086.0 | 100632.1 | S |
| 183.417 | 0.0000 | 0.0000 | 84.376 | 0.04422 | 0.00000 | 316523.1 | 212087.3 | 100632.1 | S |
| 183.425 | 0.0000 | 0.0000 | 84.376 | 0.04421 | 0.00000 | 316523.1 | 212088.6 | 100632.1 | S |
| 183.433 | 0.0000 | 0.0000 | 84.376 | 0.04421 | 0.00000 | 316523.1 | 212090.0 | 100632.1 | S |
| 183.442 | 0.0000 | 0.0000 | 84.375 | 0.04420 | 0.00000 | 316523.1 | 212091.3 | 100632.1 | S |
| 183.450 | 0.0000 | 0.0000 | 84.375 | 0.04420 | 0.00000 | 316523.1 | 212092.6 | 100632.1 | S |
| 183.458 | 0.0000 | 0.0000 | 84.375 | 0.04420 | 0.00000 | 316523.1 | 212094.0 | 100632.1 | S |
| 183.467 | 0.0000 | 0.0000 | 84.375 | 0.04419 | 0.00000 | 316523.1 | 212095.3 | 100632.1 | S |
| 183.475 | 0.0000 | 0.0000 | 84.375 | 0.04419 | 0.00000 | 316523.1 | 212096.6 | 100632.1 | S |
| 183.483 | 0.0000 | 0.0000 | 84.375 | 0.04418 | 0.00000 | 316523.1 | 212097.9 | 100632.1 | S |
| 183.492 | 0.0000 | 0.0000 | 84.375 | 0.04418 | 0.00000 | 316523.1 | 212099.3 | 100632.1 | S |
| 183.500 | 0.0000 | 0.0000 | 84.375 | 0.04418 | 0.00000 | 316523.1 | 212100.6 | 100632.1 | S |
| 183.508 | 0.0000 | 0.0000 | 84.374 | 0.04417 | 0.00000 | 316523.1 | 212101.9 | 100632.1 | S |
| 183.517 | 0.0000 | 0.0000 | 84.374 | 0.04417 | 0.00000 | 316523.1 | 212103.2 | 100632.1 | S |
| 183.525 | 0.0000 | 0.0000 | 84.374 | 0.04417 | 0.00000 | 316523.1 | 212104.5 | 100632.1 | S |
| 183.533 | 0.0000 | 0.0000 | 84.374 | 0.04416 | 0.00000 | 316523.1 | 212105.9 | 100632.1 | S |
| 183.542 | 0.0000 | 0.0000 | 84.374 | 0.04416 | 0.00000 | 316523.1 | 212107.2 | 100632.1 | S |
| 183.550 | 0.0000 | 0.0000 | 84.374 | 0.04415 | 0.00000 | 316523.1 | 212108.5 | 100632.1 | S |
| 183.558 | 0.0000 | 0.0000 | 84.374 | 0.04415 | 0.00000 | 316523.1 | 212109.8 | 100632.1 | S |
| 183.567 | 0.0000 | 0.0000 | 84.374 | 0.04415 | 0.00000 | 316523.1 | 212111.2 | 100632.1 | S |
| 183.575 | 0.0000 | 0.0000 | 84.373 | 0.04414 | 0.00000 | 316523.1 | 212112.5 | 100632.1 | S |
| 183.583 | 0.0000 | 0.0000 | 84.373 | 0.04414 | 0.00000 | 316523.1 | 212113.8 | 100632.1 | S |
| 183.592 | 0.0000 | 0.0000 | 84.373 | 0.04413 | 0.00000 | 316523.1 | 212115.1 | 100632.1 | S |
| 183.600 | 0.0000 | 0.0000 | 84.373 | 0.04413 | 0.00000 | 316523.1 | 212116.5 | 100632.1 | S |
| 183.608 | 0.0000 | 0.0000 | 84.373 | 0.04413 | 0.00000 | 316523.1 | 212117.8 | 100632.1 | S |
| 183.617 | 0.0000 | 0.0000 | 84.373 | 0.04412 | 0.00000 | 316523.1 | 212119.1 | 100632.1 | S |
| 183.625 | 0.0000 | 0.0000 | 84.373 | 0.04412 | 0.00000 | 316523.1 | 212120.4 | 100632.1 | S |
| 183.633 | 0.0000 | 0.0000 | 84.373 | 0.04412 | 0.00000 | 316523.1 | 212121.8 | 100632.1 | S |
| 183.642 | 0.0000 | 0.0000 | 84.372 | 0.04411 | 0.00000 | 316523.1 | 212123.1 | 100632.1 | S |
| 183.650 | 0.0000 | 0.0000 | 84.372 | 0.04411 | 0.00000 | 316523.1 | 212124.4 | 100632.1 | S |
| 183.658 | 0.0000 | 0.0000 | 84.372 | 0.04410 | 0.00000 | 316523.1 | 212125.7 | 100632.1 | S |
| 183.667 | 0.0000 | 0.0000 | 84.372 | 0.04410 | 0.00000 | 316523.1 | 212127.1 | 100632.1 | S |
| 183.675 | 0.0000 | 0.0000 | 84.372 | 0.04410 | 0.00000 | 316523.1 | 212128.4 | 100632.1 | S |
| 183.683 | 0.0000 | 0.0000 | 84.372 | 0.04409 | 0.00000 | 316523.1 | 212129.7 | 100632.1 | S |
| 183.692 | 0.0000 | 0.0000 | 84.372 | 0.04409 | 0.00000 | 316523.1 | 212131.0 | 100632.1 | S |
| 183.700 | 0.0000 | 0.0000 | 84.372 | 0.04408 | 0.00000 | 316523.1 | 212132.3 | 100632.1 | S |
| 183.708 | 0.0000 | 0.0000 | 84.372 | 0.04408 | 0.00000 | 316523.1 | 212133.7 | 100632.1 | S |
| 183.717 | 0.0000 | 0.0000 | 84.371 | 0.04408 | 0.00000 | 316523.1 | 212135.0 | 100632.1 | S |
| 183.725 | 0.0000 | 0.0000 | 84.371 | 0.04407 | 0.00000 | 316523.1 | 212136.3 | 100632.1 | S |
| 183.733 | 0.0000 | 0.0000 | 84.371 | 0.04407 | 0.00000 | 316523.1 | 212137.6 | 100632.1 | S |
| 183.742 | 0.0000 | 0.0000 | 84.371 | 0.04407 | 0.00000 | 316523.1 | 212139.0 | 100632.1 | S |
| 183.750 | 0.0000 | 0.0000 | 84.371 | 0.04406 | 0.00000 | 316523.1 | 212140.3 | 100632.1 | S |
| 183.758 | 0.0000 | 0.0000 | 84.371 | 0.04406 | 0.00000 | 316523.1 | 212141.6 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/overflow

| Elapsed Time (hours) | Inflow Rate (f $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation ( 11 datum) | $\begin{aligned} & \text { Infilitration } \\ & \text { Rate } \\ & \left(\mathrm{ft}^{3} / \mathrm{s}\right) \end{aligned}$ | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative inflow <br> Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 183.767 | 0.0000 | 0.0000 | 84.371 | 0.04405 | 0.00000 | 316523.1 | 212142.9 | 100632.1 | S |
| 183.775 | 0.0000 | 0.0000 | 84.371 | 0.04405 | 0.00000 | 316523.1 | 212144.3 | 100632.1 | S |
| 183.783 | 0.0000 | 0.0000 | 84.370 | 0.04405 | 0.00000 | 316523.1 | 212145.6 | 100632.1 | S |
| 183.792 | 0.0000 | 0.0000 | 84.370 | 0.04404 | 0.00000 | 316523.1 | 212146.9 | 100632.1 | S |
| 183.800 | 0.0000 | 0.0000 | 84.370 | 0.04404 | 0.00000 | 316523.1 | 212148.2 | 100632.1 | S |
| 183.808 | 0.0000 | 0.0000 | 84.370 | 0.04403 | 0.00000 | 316523.1 | 212149.5 | 100632.1 | S |
| 183.817 | 0.0000 | 0.0000 | 84.370 | 0.04403 | 0.00000 | 316523.1 | 212150.9 | 100632.1 | S |
| 183.825 | 0.0000 | 0.0000 | 84.370 | 0.04403 | 0.00000 | 316523.1 | 212152.2 | 100632.1 | S |
| 183.833 | 0.0000 | 0.0000 | 84.370 | 0.04402 | 0.00000 | 316523.1 | 212153.5 | 100632.1 | S |
| 183.842 | 0.0000 | 0.0000 | 84.370 | 0.04402 | 0.00000 | 316523.1 | 212154.8 | 100632.1 | S |
| 183.850 | 0.0000 | 0.0000 | 84.369 | 0.04402 | 0.00000 | 316523.1 | 212156.1 | 100632.1 | S |
| 183.858 | 0.0000 | 0.0000 | 84.369 | 0.04401 | 0.00000 | 316523.1 | 212157.5 | 100632.1 | S |
| 183.867 | 0.0000 | 0.0000 | 84.369 | 0.04401 | 0.00000 | 316523.1 | 212158.8 | 100632.1 | S |
| 183.875 | 0.0000 | 0.0000 | 84.369 | 0.04400 | 0.00000 | 316523.1 | 212160.1 | 100632.7 | S |
| 183.883 | 0.0000 | 0.0000 | 84.369 | 0.04400 | 0.00000 | 316523.1 | 212161.4 | 100632.1 | S |
| 183.892 | 0.0000 | 0.0000 | 84.369 | 0.04400 | 0.00000 | 316523.1 | 212162.7 | 100632.1 | S |
| 183.900 | 0.0000 | 0.0000 | 84.369 | 0.04399 | 0.00000 | 316523.1 | 212164.1 | 100632.1 | S |
| 183.908 | 0.0000 | 0.0000 | 84.369 | 0.04399 | 0.00000 | 316523.1 | 212165.4 | 100632.1 | S |
| 183.917 | 0.0000 | 0.0000 | 84.368 | 0.04398 | 0.00000 | 316523.1 | 212166.7 | 100632.1 | S |
| 183.925 | 0.0000 | 0.0000 | 84.368 | 0.04398 | 0.00000 | 316523.1 | 212168.0 | 100632.1 | S |
| 183.933 | 0.0000 | 0.0000 | 84.368 | 0.04398 | 0.00000 | 316523.1 | 212169.3 | 100632.1 | S |
| 183.942 | 0.0000 | 0.0000 | 84.368 | 0.04397 | 0.00000 | 316523.1 | 212170.7 | 100632.1 | S |
| 183.950 | 0.0000 | 0.0000 | 84.368 | 0.04397 | 0.00000 | 316523.1 | 212172.0 | 100632.1 | S |
| 183.958 | 0.0000 | 0.0000 | 84.368 | 0.04397 | 0.00000 | 316523.1 | 212173.3 | 100632.1 | S |
| 183.967 | 0.0000 | 0.0000 | 84.368 | 0.04396 | 0.00000 | 316523.1 | 212174.6 | 100632.1 | S |
| 183.975 | 0.0000 | 0.0000 | 84.368 | 0.04396 | 0.00000 | 316523.1 | 212175.9 | 100632.1 | S |
| 183.983 | 0.0000 | 0.0000 | 84.368 | 0.04395 | 0.00000 | 316523.1 | 212177.3 | 100632.1 | S |
| 183.992 | 0.0000 | 0.0000 | 84.367 | 0.04395 | 0.00000 | 316523.1 | 212178.6 | 100632.1 | S |
| 184.000 | 0.0000 | 0.0000 | 84.367 | 0.04395 | 0.00000 | 316523.1 | 212179.9 | 100632.1 | S |
| 184.008 | 0.0000 | 0.0000 | 84.367 | 0.04394 | 0.00000 | 316523.1 | 212181.2 | 100632.1 | S |
| 184.017 | 0.0000 | 0.0000 | 84.367 | 0.04394 | 0.00000 | 316523.1 | 212182.5 | 100632.1 | S |
| 184.025 | 0.0000 | 0.0000 | 84.367 | 0.04393 | 0.00000 | 316523.1 | 212183.8 | 100632.1 | S |
| 184.033 | 0.0000 | 0.0000 | 84.367 | 0.04393 | 0.00000 | 316523.1 | 212185.2 | 100632.1 | S |
| 184.042 | 0.0000 | 0.0000 | 84.367 | 0.04393 | 0.00000 | 316523.1 | 212186.5 | 100632.1 | S |
| 184.050 | 0.0000 | 0.0000 | 84.367 | 0.04392 | 0.00000 | 316523.1 | 212187.8 | 100632.1 | S |
| 184.058 | 0.0000 | 0.0000 | 84.366 | 0.04392 | 0.00000 | 316523.1 | 212189.1 | 100632.1 | S |
| 184.067 | 0.0000 | 0.0000 | 84.366 | 0.04392 | 0.00000 | 316523.1 | 212190.4 | 100632.1 | S |
| 184.075 | 0.0000 | 0.0000 | 84.366 | 0.04391 | 0.00000 | 316523.1 | 212191.8 | 100632.1 | S |
| 184.083 | 0.0000 | 0.0000 | 84.366 | 0.04391 | 0.00000 | 316523.1 | 212193.1 | 100632.1 | S |
| 184.092 | 0.0000 | 0.0000 | 84.366 | 0.04390 | 0.00000 | 316523.1 | 212194.4 | 100632.1 | S |
| 184.100 | 0.0000 | 0.0000 | 84.366 | 0.04390 | 0.00000 | 316523.1 | 212195.7 | 100632.1 | S |
| 184.108 | 0.0000 | 0.0000 | 84.366 | 0.04390 | 0.00000 | 316523.1 | 212197.0 | 100632.1 | S |
| 184.117 | 0.0000 | 0.0000 | 84.366 | 0.04389 | 0.00000 | 316523.1 | 212198.3 | 100632.1 | S |
| 184.125 | 0.0000 | 0.0000 | 84.365 | 0.04389 | 0.00000 | 316523.1 | 212199.6 | 100632.1 | S |
| 184.133 | 0.0000 | 0.0000 | 84.365 | 0.04389 | 0.00000 | 316523.1 | 212201.0 | 100632.1 | S |
| 184.142 | 0.0000 | 0.0000 | 84.365 | 0.04388 | 0.00000 | 316523.1 | 212202.3 | 100632.1 | S |
| 184.150 | 0.0000 | 0.0000 | 84.365 | 0.04388 | 0.00000 | 316523.1 | 212203.6 | 100632.1 | S |
| 184.158 | 0.0000 | 0.0000 | 84.365 | 0.04387 | 0.00000 | 316523.1 | 212204.9 | 100632.1 | S |
| 184.167 | 0.0000 | 0.0000 | 84.365 | 0.04387 | 0.00000 | 316523.1 | 212206.2 | 100632.1 | S |
| 184.175 | 0.0000 | 0.0000 | 84.365 | 0.04387 | 0.00000 | 316523.1 | 212207.5 | 100632.1 | S |
| 184.183 | 0.0000 | 0.0000 | 84.365 | 0.04386 | 0.00000 | 316523.1 | 212208.9 | 100632.1 | S |
| 184.192 | 0.0000 | 0.0000 | 84.364 | 0.04386 | 0.00000 | 316523.1 | 212210.2 | 100632.1 | S |
| 184.200 | 0.0000 | 0.0000 | 84.364 | 0.04385 | 0.00000 | 316523.1 | 212211.5 | 100632.1 | S |
| 184.208 | 0.0000 | 0.0000 | 84.364 | 0.04385 | 0.00000 | 316523.1 | 212212.8 | 100632.1 | S |
| 184.217 | 0.0000 | 0.0000 | 84.364 | 0.04385 | 0.00000 | 316523.1 | 212214.1 | 100632.1 | S |
| 184.225 | 0.0000 | 0.0000 | 84.364 | 0.04384 | 0.00000 | 316523.1 | 212215.4 | 100632.1 | S |
| 184.233 | 0.0000 | 0.0000 | 84.364 | 0.04384 | 0.00000 | 316523.1 | 212216.8 | 100632.1 | S |
| 184.242 | 0.0000 | 0.0000 | 84.364 | 0.04384 | 0.00000 | 316523.1 | 212218.1 | 100632.1 | S |
| 184.250 | 0.0000 | 0.0000 | 84.364 | 0.04383 | 0.00000 | 316523.1 | 212219.4 | 100632.1 | S |
| 184.258 | 0.0000 | 0.0000 | 84.363 | 0.04383 | 0.00000 | 316523.1 | 212220.7 | 100632.1 | S |
| 184.267 | 0.0000 | 0.0000 | 84.363 | 0.04382 | 0.00000 | 316523.1 | 212222.0 | 100632.1 | S |
| 184.275 | 0.0000 | 0.0000 | 84.363 | 0.04382 | 0.00000 | 316523.1 | 212223.3 | 100632.1 | S |
| 184.283 | 0.0000 | 0.0000 | 84.363 | 0.04382 | 0.00000 | 316523.1 | 212224.6 | 100632.1 | S |
| 184.292 | 0.0000 | 0.0000 | 84.363 | 0.04381 | 0.00000 | 316523.1 | 212226.0 | 100632.1 | S |
| 184.300 | 0.0000 | 0.0000 | 84.363 | 0.04381 | 0.00000 | 316523.1 | 212227.3 | 100632.1 | S |
| 184.308 | 0.0000 | 0.0000 | 84.363 | 0.04380 | 0.00000 | 316523.1 | 212228.6 | 100632.1 | S |
| 184.317 | 0.0000 | 0.0000 | 84.363 | 0.04380 | 0.00000 | 316523.1 | 212229.9 | 100632.1 | S |
| 184.325 | 0.0000 | 0.0000 | 84.363 | 0.04380 | 0.00000 | 316523.1 | 212231.2 | 100632.1 | S |
| 184.333 | 0.0000 | 0.0000 | 84.362 | 0.04379 | 0.00000 | 316523.1 | 212232.5 | 100632.1 | S |
| 184.342 | 0.0000 | 0.0000 | 84.362 | 0.04379 | 0.00000 | 316523.1 | 212233.8 | 100632.1 | S |
| 184.350 | 0.0000 | 0.0000 | 84.362 | 0.04379 | 0.00000 | 316523.1 | 212235.2 | 100632.1 | S |
| 184.358 | 0.0000 | 0.0000 | 84.362 | 0.04378 | 0.00000 | 316523.1 | 212236.5 | 100632.1 | S |
| 184.367 | 0.0000 | 0.0000 | 84.362 | 0.04378 | 0.00000 | 316523.1 | 212237.8 | 100632.1 | S |
| 184.375 | 0.0000 | 0.0000 | 84.362 | 0.04377 | 0.00000 | 316523.1 | 212239.1 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate (fils ${ }^{3}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate (ftys) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | $\begin{aligned} & \text { Cumulative } \\ & \text { Inflow } \\ & \text { Volume }\left(\mathrm{ff}^{3}\right) \end{aligned}$ | Cumulative infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume (ft ${ }^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 184.383 | 0.0000 | 0.0000 | 84.362 | 0.04377 | 0.00000 | 316523.1 | 212240.4 | 100632.1 | S |
| 184.392 | 0.0000 | 0.0000 | 84.362 | 0.04377 | 0.00000 | 316523.1 | 212241.7 | 100632.1 | S |
| 184.400 | 0.0000 | 0.0000 | 84.361 | 0.04376 | 0.00000 | 316523.1 | 212243.0 | 100632.1 | S |
| 184.408 | 0.0000 | 0.0000 | 84.361 | 0.04376 | 0.00000 | 316523.1 | 212244.3 | 100632.1 | S |
| 184.417 | 0.0000 | 0.0000 | 84.361 | 0.04376 | 0.00000 | 316523.1 | 212245.7 | 100632.1 | S |
| 184.425 | 0.0000 | 0.0000 | 84.361 | 0.04375 | 0.00000 | 316523.1 | 212247.0 | 100632.1 | S |
| 184.433 | 0.0000 | 0.0000 | 84.361 | 0.04375 | 0.00000 | 316523.1 | 212248.3 | 100632.1 | S |
| 184.442 | 0.0000 | 0.0000 | 84.361 | 0.04374 | 0.00000 | 316523.1 | 212249.6 | 100632.1 | S |
| 184.450 | 0.0000 | 0.0000 | 84.361 | 0.04374 | 0.00000 | 316523.1 | 212250.9 | 100632.1 | S |
| 184.458 | 0.0000 | 0.0000 | 84.361 | 0.04374 | 0.00000 | 316523.1 | 212252.2 | 100632.1 | S |
| 184.467 | 0.0000 | 0.0000 | 84.360 | 0.04373 | 0.00000 | 316523.1 | 212253.5 | 100632.1 | S |
| 184.475 | 0.0000 | 0.0000 | 84.360 | 0.04373 | 0.00000 | 316523.1 | 212254.8 | 100632.1 | S |
| 184.483 | 0.0000 | 0.0000 | 84.360 | 0.04372 | 0.00000 | 316523.1 | 212256.2 | 100632.1 | S |
| 184.492 | 0.0000 | 0.0000 | 84.360 | 0.04372 | 0.00000 | 316523.1 | 212257.5 | 100632.1 | S |
| 184.500 | 0.0000 | 0.0000 | 84.360 | 0.04372 | 0.00000 | 316523.1 | 212258.8 | 100632.1 | S |
| 184.508 | 0.0000 | 0.0000 | 84.360 | 0.04371 | 0.00000 | 316523.1 | 212260.1 | 100632.1 | S |
| 184.517 | 0.0000 | 0.0000 | 84.360 | 0.04371 | 0.00000 | 316523.1 | 212261.4 | 100632.1 | S |
| 184.525 | 0.0000 | 0.0000 | 84.360 | 0.04371 | 0.00000 | 316523.1 | 212262.7 | 100632.1 | S |
| 184.533 | 0.0000 | 0.0000 | 84.359 | 0.04370 | 0.00000 | 316523.1 | 212264.0 | 100632.1 | S |
| 184.542 | 0.0000 | 0.0000 | 84.359 | 0.04370 | 0.00000 | 316523.1 | 212265.3 | 100632.1 | S |
| 184.550 | 0.0000 | 0.0000 | 84.359 | 0.04369 | 0.00000 | 316523.1 | 212266.7 | 100632.1 | S |
| 184.558 | 0.0000 | 0.0000 | 84.359 | 0.04369 | 0.00000 | 316523.1 | 212268.0 | 100632.1 | S |
| 184.567 | 0.0000 | 0.0000 | 84.359 | 0.04369 | 0.00000 | 316523.1 | 212269.3 | 100632.1 | S |
| 184.575 | 0.0000 | 0.0000 | 84.359 | 0.04368 | 0.00000 | 316523.1 | 212270.6 | 100632.1 | S |
| 184.583 | 0.0000 | 0.0000 | 84.359 | 0.04368 | 0.00000 | 316523.1 | 212271.9 | 100632.1 | S |
| 184.592 | 0.0000 | 0.0000 | 84.359 | 0.04368 | 0.00000 | 316523.1 | 212273.2 | 100632.1 | S |
| 184.600 | 0.0000 | 0.0000 | 84.359 | 0.04367 | 0.00000 | 316523.1 | 212274.5 | 100632.4 | S |
| 184.608 | 0.0000 | 0.0000 | 84.358 | 0.04367 | 0.00000 | 316523.1 | 212275.8 | 100632.1 | S |
| 184.617 | 0.0000 | 0.0000 | 84.358 | 0.04366 | 0.00000 | 316523.1 | 212277.1 | 100632.1 | S |
| 184.625 | 0.0000 | 0.0000 | 84.358 | 0.04366 | 0.00000 | 316523.1 | 212278.4 | 100632.1 | S |
| 184.633 | 0.0000 | 0.0000 | 84.358 | 0.04366 | 0.00000 | 316523.1 | 212279.8 | 100632.1 | S |
| 184.642 | 0.0000 | 0.0000 | 84.358 | 0.04365 | 0.00000 | 316523.1 | 212281.1 | 100632.1 | S |
| 184.650 | 0.0000 | 0.0000 | 84.358 | 0.04365 | 0.00000 | 316523.1 | 212282.4 | 100632.1 | S |
| 184.658 | 0.0000 | 0.0000 | 84.358 | 0.04365 | 0.00000 | 316523.1 | 212283.7 | 100632.1 | S |
| 184.667 | 0.0000 | 0.0000 | 84.358 | 0.04364 | 0.00000 | 316523.1 | 212285.0 | 100632.1 | S |
| 184.675 | 0.0000 | 0.0000 | 84.357 | 0.04364 | 0.00000 | 316523.1 | 212286.3 | 100632.1 | S |
| 184.683 | 0.0000 | 0.0000 | 84.357 | 0.04363 | 0.00000 | 316523.1 | 212287.6 | 100632.1 | S |
| 184.692 | 0.0000 | 0.0000 | 84.357 | 0.04363 | 0.00000 | 316523.1 | 212288.9 | 100632.1 | S |
| 184.700 | 0.0000 | 0.0000 | 84.357 | 0.04363 | 0.00000 | 316523.1 | 212290.2 | 100632.1 | S |
| 184.708 | 0.0000 | 0.0000 | 84.357 | 0.04362 | 0.00000 | 316523.1 | 212291.5 | 100632.1 | S |
| 184.717 | 0.0000 | 0.0000 | 84.357 | 0.04362 | 0.00000 | 316523.1 | 212292.8 | 100632.1 | S |
| 184.725 | 0.0000 | 0.0000 | 84.357 | 0.04361 | 0.00000 | 316523.1 | 212294.2 | 100632.1 | S |
| 184.733 | 0.0000 | 0.0000 | 84.357 | 0.04361 | 0.00000 | 316523.1 | 212295.5 | 100632.1 | S |
| 184.742 | 0.0000 | 0.0000 | 84.356 | 0.04361 | 0.00000 | 316523.1 | 212296.8 | 100632.1 | S |
| 184.750 | 0.0000 | 0.0000 | 84.356 | 0.04360 | 0.00000 | 316523.1 | 212298.1 | 100632.1 | S |
| 184.758 | 0.0000 | 0.0000 | 84.356 | 0.04360 | 0.00000 | 316523.1 | 212299.4 | 100632.1 | S |
| 184.767 | 0.0000 | 0.0000 | 84.356 | 0.04360 | 0.00000 | 316523.1 | 212300.7 | 100632.1 | S |
| 184.775 | 0.0000 | 0.0000 | 84.356 | 0.04359 | 0.00000 | 316523.1 | 212302.0 | 100632.1 | S |
| 184.783 | 0.0000 | 0.0000 | 84.356 | 0.04359 | 0.00000 | 316523.1 | 212303.3 | 100632.1 | S |
| 184.792 | 0.0000 | 0.0000 | 84.356 | 0.04358 | 0.00000 | 316523.1 | 212304.6 | 100632.1 | S |
| 184.800 | 0.0000 | 0.0000 | 84.356 | 0.04358 | 0.00000 | 316523.1 | 212305.9 | 100632.1 | S |
| 184.808 | 0.0000 | 0.0000 | 84.355 | 0.04358 | 0.00000 | 316523.1 | 212307.2 | 100632.1 | S |
| 184.817 | 0.0000 | 0.0000 | 84.355 | 0.04357 | 0.00000 | 316523.1 | 212308.5 | 100632.1 | S |
| 184.825 | 0.0000 | 0.0000 | 84.355 | 0.04357 | 0.00000 | 316523.1 | 212309.8 | 100632.1 | S |
| 184.833 | 0.0000 | 0.0000 | 84.355 | 0.04357 | 0.00000 | 316523.1 | 212311.2 | 100632.1 | S |
| 184.842 | 0.0000 | 0.0000 | 84.355 | 0.04356 | 0.00000 | 316523.1 | 212312.5 | 100632.1 | S |
| 184.850 | 0.0000 | 0.0000 | 84.355 | 0.04356 | 0.00000 | 316523.1 | 212313.8 | 100632.1 | S |
| 184.858 | 0.0000 | 0.0000 | 84.355 | 0.04355 | 0.00000 | 316523.1 | 212315.1 | 100632.1 | S |
| 184.867 | 0.0000 | 0.0000 | 84.355 | 0.04355 | 0.00000 | 316523.1 | 212316.4 | 100632.1 | S |
| 184.875 | 0.0000 | 0.0000 | 84.355 | 0.04355 | 0.00000 | 316523.1 | 212317.7 | 100632.1 | S |
| 184.883 | 0.0000 | 0.0000 | 84.354 | 0.04354 | 0.00000 | 316523.1 | 212319.0 | 100632.1 | S |
| 184.892 | 0.0000 | 0.0000 | 84.354 | 0.04354 | 0.00000 | 316523.1 | 212320.3 | 100632.1 | S |
| 184.900 | 0.0000 | 0.0000 | 84.354 | 0.04354 | 0.00000 | 316523.1 | 212321.6 | 100632.1 | S |
| 184.908 | 0.0000 | 0.0000 | 84.354 | 0.04353 | 0.00000 | 316523.1 | 212322.9 | 100632.1 | S |
| 184.917 | 0.0000 | 0.0000 | 84.354 | 0.04353 | 0.00000 | 316523.1 | 212324.2 | 100632.1 | S |
| 184.925 | 0.0000 | 0.0000 | 84.354 | 0.04352 | 0.00000 | 316523.1 | 212325.5 | 100632.1 | S |
| 184.933 | 0.0000 | 0.0000 | 84.354 | 0.04352 | 0.00000 | 316523.1 | 212326.8 | 100632.1 | S |
| 184.942 | 0.0000 | 0.0000 | 84.354 | 0.04352 | 0.00000 | 316523.1 | 212328.1 | 100632.1 | S |
| $\dagger 84.950$ | 0.0000 | 0.0000 | 84.353 | 0.04351 | 0.00000 | 316523.1 | 212329.4 | 100632.1 | S |
| 184.958 | 0.0000 | 0.0000 | 84.353 | 0.04351 | 0.00000 | 316523.1 | 212330.8 | 100632.1 | S |
| 184.967 | 0.0000 | 0.0000 | 84.353 | 0.04350 | 0.00000 | 316523.1 | 212332.0 | 100632.1 | S |
| 184.975 | 0.0000 | 0.0000 | 84.353 | 0.04350 | 0.00000 | 316523.1 | 212333.4 | 100632.1 | S |
| 184.983 | 0.0000 | 0.0000 | 84.353 | 0.04350 | 0.00000 | 316523.1 | 212334.7 | 100632.1 | S |
| 184.992 | 0.0000 | 0.0000 | 84.353 | 0.04349 | 0.00000 | 316523.1 | 212336.0 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (fi/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{H}^{3 / 5}$ ) | Overflow Discharge (ft ${ }^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 185.000 | 0.0000 | 0.0000 | 84.353 | 0.04349 | 0.00000 | 316523.1 | 212337.3 | 100632.1 | S |
| 185.008 | 0.0000 | 0.0000 | 84.353 | 0.04349 | 0.00000 | 316523.1 | 212338.6 | 100632.1 | S |
| 185.017 | 0.0000 | 0.0000 | 84.352 | 0.04348 | 0.00000 | 316523.1 | 212339.9 | 100632.1 | S |
| 185.025 | 0.0000 | 0.0000 | 84.352 | 0.04348 | 0.00000 | 316523.1 | 212341.2 | 100632.1 | S |
| 185.033 | 0.0000 | 0.0000 | 84.352 | 0.04347 | 0.00000 | 316523.1 | 212342.5 | 100632.1 | S |
| 185.042 | 0.0000 | 0.0000 | 84.352 | 0.04347 | 0.00000 | 316523.1 | 212343.8 | 100632.1 | S |
| 185.050 | 0.0000 | 0.0000 | 84.352 | 0.04347 | 0.00000 | 316523.1 | 212345.1 | 100632.1 | S |
| 185.058 | 0.0000 | 0.0000 | 84.352 | 0.04346 | 0.00000 | 316523.1 | 212346.4 | 100632.1 | S |
| 185.067 | 0.0000 | 0.0000 | 84.352 | 0.04346 | 0.00000 | 316523.1 | 212347.7 | 100632.1 | S |
| 185.075 | 0.0000 | 0.0000 | 84.352 | 0.04346 | 0.00000 | 316523.1 | 212349.0 | 100632.1 | S |
| 185.083 | 0.0000 | 0.0000 | 84.352 | 0.04345 | 0.00000 | 316523.1 | 212350.3 | 100632.1 | S |
| 185.092 | 0.0000 | 0.0000 | 84.351 | 0.04345 | 0.00000 | 316523.1 | 212351.6 | 100632.1 | S |
| 185.100 | 0.0000 | 0.0000 | 84.351 | 0.04344 | 0.00000 | 316523.1 | 212352.9 | 100632.1 | S |
| 185.108 | 0.0000 | 0.0000 | 84.351 | 0.04344 | 0.00000 | 316523.1 | 212354.2 | 100632.1 | S |
| 185.117 | 0.0000 | 0.0000 | 84.351 | 0.04344 | 0.00000 | 316523.1 | 212355.5 | 100632.1 | S |
| 185.125 | 0.0000 | 0.0000 | 84.351 | 0.04343 | 0.00000 | 316523.1 | 212356.8 | 100632.4 | 5 |
| 185.133 | 0.0000 | 0.0000 | 84.351 | 0.04343 | 0.00000 | 316523.1 | 212358.1 | 100632.1 | S |
| 185.142 | 0.0000 | 0.0000 | 84.351 | 0.04343 | 0.00000 | 316523.1 | 212359.4 | 100632.1 | 5 |
| 185.150 | 0.0000 | 0.0000 | 84.351 | 0.04342 | 0.00000 | 316523.1 | 212360.7 | 100632.1 | 5 |
| 185.158 | 0.0000 | 0.0000 | 84.350 | 0.04342 | 0.00000 | 316523.1 | 212362.0 | 100632.1 | S |
| 185.167 | 0.0000 | 0.0000 | 84.350 | 0.04341 | 0.00000 | 316523.1 | 212363.3 | 100632.1 | S |
| 185.175 | 0.0000 | 0.0000 | 84.350 | 0.04341 | 0.00000 | 316523.1 | 212364.6 | 100632.1 | S |
| 185.183 | 0.0000 | 0.0000 | 84.350 | 0.04341 | 0.00000 | 316523.1 | 212365.9 | 100632.1 | S |
| 185.192 | 0.0000 | 0.0000 | 84.350 | 0.04340 | 0.00000 | 316523.1 | 212367.3 | 100632.1 | S |
| 185.200 | 0.0000 | 0.0000 | 84.350 | 0.04340 | 0.00000 | 316523.1 | 212368.5 | 100632.1 | S |
| 185.208 | 0.0000 | 0.0000 | 84.350 | 0.04340 | 0.00000 | 316523.1 | 212369.8 | 100632.1 | 5 |
| 185.217 | 0.0000 | 0.0000 | 84.350 | 0.04339 | 0.00000 | 316523.1 | 212371.2 | 100632.1 | S |
| 185.225 | 0.0000 | 0.0000 | 84.349 | 0.04339 | 0.00000 | 316523.1 | 212372.5 | 100632.1 | S |
| 185.233 | 0.0000 | 0.0000 | 84.349 | 0.04338 | 0.00000 | 316523.1 | 212373.8 | 100632.1 | S |
| 185.242 | 0.0000 | 0.0000 | 84.349 | 0.04338 | 0.00000 | 316523.1 | 212375.1 | 100632.1 | S |
| 185.250 | 0.0000 | 0.0000 | 84.349 | 0.04338 | 0.00000 | 316523.1 | 212376.4 | 100632.1 | S |
| 185.258 | 0.0000 | 0.0000 | 84.349 | 0.04337 | 0.00000 | 316523.1 | 212377.7 | 100632.1 | S |
| 185.267 | 0.0000 | 0.0000 | 84.349 | 0.04337 | 0.00000 | 316523.1 | 212379.0 | 100632.1 | S |
| 185.275 | 0.0000 | 0.0000 | 84.349 | 0.04336 | 0.00000 | 316523.1 | 212380.3 | 100632.1 | S |
| 185.283 | 0.0000 | 0.0000 | 84.349 | 0.04336 | 0.00000 | 316523.1 | 212381.6 | 100632.1 | S |
| 185.292 | 0.0000 | 0.0000 | 84.348 | 0.04336 | 0.00000 | 316523.1 | 212382.9 | 100632.1 | S |
| 185.300 | 0.0000 | 0.0000 | 84.348 | 0.04335 | 0.00000 | 316523.1 | 212384.2 | 100632.1 | S |
| 185.308 | 0.0000 | 0.0000 | 84.348 | 0.04335 | 0.00000 | 316523.1 | 212385.5 | 100632.1 | S |
| 185.317 | 0.0000 | 0.0000 | 84.348 | 0.04335 | 0.00000 | 316523.1 | 212386.8 | 100632.1 | S |
| 185.325 | 0.0000 | 0.0000 | 84.348 | 0.04334 | 0.00000 | 316523.1 | 212388.1 | 100632.1 | S |
| 185.333 | 0.0000 | 0.0000 | 84.348 | 0.04334 | 0.00000 | 316523.1 | 212389.4 | 100632.1 | S |
| 185.342 | 0.0000 | 0.0000 | 84.348 | 0.04333 | 0.00000 | 316523.1 | 212390.7 | 100632.1 | S |
| 185.350 | 0.0000 | 0.0000 | 84.348 | 0.04333 | 0.00000 | 316523.1 | 212392.0 | 100632.1 | S |
| 185.358 | 0.0000 | 0.0000 | 84.348 | 0.04333 | 0.00000 | 316523.1 | 212393.3 | 100632.1 | S |
| 185.367 | 0.0000 | 0.0000 | 84.347 | 0.04332 | 0.00000 | 316523.1 | 212394.6 | 100632.1 | S |
| 185.375 | 0.0000 | 0.0000 | 84.347 | 0.04332 | 0.00000 | 316523.1 | 212395.9 | 100632.1 | S |
| 185.383 | 0.0000 | 0.0000 | 84.347 | 0.04332 | 0.00000 | 316523.1 | 212397.2 | 100632.1 | S |
| 185.392 | 0.0000 | 0.0000 | 84.347 | 0.04331 | 0.00000 | 316523.1 | 212398.5 | 100632.1 | S |
| 185.400 | 0.0000 | 0.0000 | 84.347 | 0.04331 | 0.00000 | 316523.1 | 212399.8 | 100632.1 | S |
| 185.408 | 0.0000 | 0.0000 | 84.347 | 0.04330 | 0.00000 | 316523.1 | 212401.1 | 100632.1 | S |
| 185.417 | 0.0000 | 0.0000 | 84.347 | 0.04330 | 0.00000 | 316523.1 | 212402.4 | 100632.1 | S |
| 185.425 | 0.0000 | 0.0000 | 84.347 | 0.04330 | 0.00000 | 316523.1 | 212403.7 | 100632.1 | S |
| 185.433 | 0.0000 | 0.0000 | 84.346 | 0.04329 | 0.00000 | 316523.1 | 212405.0 | 100632.1 | S |
| 185.442 | 0.0000 | 0.0000 | 84.346 | 0.04329 | 0.00000 | 316523.1 | 212406.3 | 100632.1 | S |
| 185.450 | 0.0000 | 0.0000 | 84.346 | 0.04329 | 0.00000 | 316523.1 | 212407.6 | 100632.1 | S |
| 185.458 | 0.0000 | 0.0000 | 84.346 | 0.04328 | 0.00000 | 316523.1 | 212408.9 | 100632.1 | S |
| 185.467 | 0.0000 | 0.0000 | 84.346 | 0.04328 | 0.00000 | 316523.1 | 212410.2 | 100632.1 | S |
| 185.475 | 0.0000 | 0.0000 | 84.346 | 0.04327 | 0.00000 | 316523.1 | 212411.5 | 100632.1 | S |
| 185.483 | 0.0000 | 0.0000 | 84.346 | 0.04327 | 0.00000 | 316523.1 | 212412.8 | 100632.1 | S |
| 185.492 | 0.0000 | 0.0000 | 84.346 | 0.04327 | 0.00000 | 316523.1 | 212414.0 | 100632.1 | S |
| 185.500 | 0.0000 | 0.0000 | 84.345 | 0.04326 | 0.00000 | 316523.1 | 212415.3 | 100632.1 | S |
| 185.508 | 0.0000 | 0.0000 | 84.345 | 0.04326 | 0.00000 | 316523.1 | 212416.6 | 100832.1 | S |
| 185.517 | 0.0000 | 0.0000 | 84.345 | 0.04326 | 0.00000 | 316523.1 | 212417.9 | 100632.1 | S |
| 185.525 | 0.0000 | 0.0000 | 84.345 | 0.04325 | 0.00000 | 316523.1 | 212419.2 | 100632.1 | S |
| 185.533 | 0.0000 | 0.0000 | 84.345 | 0.04325 | 0.00000 | 316523.1 | 212420.5 | 100632.1 | S |
| 185.542 | 0.0000 | 0.0000 | 84.345 | 0.04324 | 0.00000 | 316523.1 | 212421.8 | 100632.1 | S |
| 185.550 | 0.0000 | 0.0000 | 84.345 | 0.04324 | 0.00000 | 316523.1 | 212423.1 | 100632.1 | S |
| 185.558 | 0.0000 | 0.0000 | 84.345 | 0.04324 | 0.00000 | 316523.1 | 212424.4 | 100632.1 | S |
| 185.567 | 0.0000 | 0.0000 | 84.345 | 0.04323 | 0.00000 | 316523.1 | 212425.7 | 100632.1 | S |
| 185.575 | 0.0000 | 0.0000 | 84.344 | 0.04323 | 0.00000 | 316523.1 | 212427.0 | 100632.1 | S |
| 185.583 | 0.0000 | 0.0000 | 84.344 | 0.04323 | 0.00000 | 316523.1 | 212428.3 | 100632.1 | S |
| 185.592 | 0.0000 | 0.0000 | 84.344 | 0.04322 | 0.00000 | 316523.1 | 212429.6 | 100632.1 | S |
| 185.600 | 0.0000 | 0.0000 | 84.344 | 0.04322 | 0.00000 | 316523.1 | 212430.9 | 100632.1 | S |
| 185.608 | 0.0000 | 0.0000 | 84.344 | 0.04321 | 0.00000 | 316523.1 | 212432,2 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (f/day) | Stage Elevation (ft datum) | Infiltration Rate (f $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 185.617 | 0.0000 | 0.0000 | 84.344 | 0.04321 | 0.00000 | 316523.1 | 212433.5 | 100632.1 | S |
| 185.625 | 0.0000 | 0.0000 | 84.344 | 0.04321 | 0.00000 | 316523.1 | 212434.8 | 100632.1 | S |
| 185.633 | 0.0000 | 0.0000 | 84.344 | 0.04320 | 0.00000 | 316523.1 | 212436.1 | 100632.1 | S |
| 185.642 | 0.0000 | 0.0000 | 84.343 | 0.04320 | 0.00000 | 316523.1 | 212437.4 | 100632.1 | S |
| 185.650 | 0.0000 | 0.0000 | 84.343 | 0.04320 | 0.00000 | 316523.1 | 212438.7 | 100632.1 | S |
| 185.658 | 0.0000 | 0.0000 | 84.343 | 0.04319 | 0.00000 | 316523.1 | 212440.0 | 100632.1 | S |
| 185.667 | 0.0000 | 0.0000 | 84.343 | 0.04319 | 0.00000 | 316523.1 | 212441.3 | 100632.7 | S |
| 185.675 | 0.0000 | 0.0000 | 84.343 | 0.04318 | 0.00000 | 316523.1 | 212442.6 | 100632.1 | S |
| 185.683 | 0.0000 | 0.0000 | 84.343 | 0.04318 | 0.00000 | 316523.1 | 212443.9 | 100632.1 | S |
| 185.692 | 0.0000 | 0.0000 | 84.343 | 0.04318 | 0.00000 | 316523.1 | 212445.2 | 100632.1 | S |
| 185.700 | 0.0000 | 0.0000 | 84.343 | 0.04317 | 0.00000 | 316523.1 | 212446.5 | 100632.1 | S |
| 185.708 | 0.0000 | 0.0000 | 84.342 | 0.04317 | 0.00000 | 316523.1 | 212447.8 | 100632.1 | S |
| 185.717 | 0.0000 | 0.0000 | 84.342 | 0.04317 | 0.00000 | 316523.1 | 212449.0 | 100632.1 | S |
| 185.725 | 0.0000 | 0.0000 | 84.342 | 0.04316 | 0.00000 | 316523.1 | 212450.3 | 100632.1 | S |
| 185.733 | 0.0000 | 0.0000 | 84.342 | 0.04316 | 0.00000 | 316523.1 | 212451.6 | 100632.1 | S |
| 185.742 | 0.0000 | 0.0000 | 84.342 | 0.04315 | 0.00000 | 316523.1 | 212452.9 | 100632.1 | S |
| 185.750 | 0.0000 | 0.0000 | 84.342 | 0.04315 | 0.00000 | 316523.1 | 212454.2 | 100632.1 | S |
| 185.758 | 0.0000 | 0.0000 | 84.342 | 0.04315 | 0.00000 | 316523.1 | 212455.5 | 100632.1 | S |
| 185.767 | 0.0000 | 0.0000 | 84.342 | 0.04314 | 0.00000 | 316523.1 | 212456.8 | 100632.1 | S |
| 185.775 | 0.0000 | 0.0000 | 84.341 | 0.04314 | 0.00000 | 316523.1 | 212458.1 | 100632.1 | S |
| 185.783 | 0.0000 | 0.0000 | 84.341 | 0.04314 | 0.00000 | 316523.1 | 212459.4 | 100632.1 | S |
| 185.792 | 0.0000 | 0.0000 | 84.341 | 0.04313 | 0.00000 | 316523.1 | 212460.7 | 100632.1 | S |
| 185.800 | 0.0000 | 0.0000 | 84.341 | 0.04313 | 0.00000 | 316523.1 | 212462.0 | 100632.1 | S |
| 185.808 | 0.0000 | 0.0000 | 84.341 | 0.04312 | 0.00000 | 316523.1 | 212463.3 | 100632.1 | S |
| 185.817 | 0.0000 | 0.0000 | 84.341 | 0.04312 | 0.00000 | 316523.1 | 212464.6 | 100632.1 | S |
| 185.825 | 0.0000 | 0.0000 | 84.341 | 0.04312 | 0.00000 | 316523.1 | 212465.9 | 100632.1 | S |
| 185.833 | 0.0000 | 0.0000 | 84.341 | 0.04311 | 0.00000 | 316523.1 | 212467.2 | 100632.1 | S |
| 185.842 | 0.0000 | 0.0000 | 84.341 | 0.04311 | 0.00000 | 316523.1 | 212468.5 | 100632.1 | S |
| 185.850 | 0.0000 | 0.0000 | 84.340 | 0.04311 | 0.00000 | 316523.1 | 212469.8 | 100632.1 | S |
| 185.858 | 0.0000 | 0.0000 | 84.340 | 0.04310 | 0.00000 | 316523.1 | 212471.0 | 100632.1 | S |
| 185.867 | 0.0000 | 0.0000 | 84.340 | 0.04310 | 0.00000 | 316523.1 | 212472.3 | 100632.1 | S |
| 185.875 | 0.0000 | 0.0000 | 84.340 | 0.04309 | 0.00000 | 316523.1 | 212473.6 | 100632.1 | S |
| 185.883 | 0.0000 | 0.0000 | 84.340 | 0.04309 | 0.00000 | 316523.1 | 212474.9 | 100632.1 | S |
| 185.892 | 0.0000 | 0.0000 | 84.340 | 0.04309 | 0.00000 | 316523.1 | 212476.2 | 100632.1 | S |
| 185.900 | 0.0000 | 0.0000 | 84.340 | 0.04308 | 0.00000 | 316523.1 | 212477.5 | 100632.1 | S |
| 185.908 | 0.0000 | 0.0000 | 84.340 | 0.04308 | 0.00000 | 316523.1 | 212478.8 | 100632.1 | S |
| 185.917 | 0.0000 | 0.0000 | 84.339 | 0.04308 | 0.00000 | 316523.1 | 212480.1 | 100632.1 | S |
| 185.925 | 0.0000 | 0.0000 | 84.339 | 0.04307 | 0.00000 | 316523.1 | 212481.4 | 100632.1 | S |
| 185.933 | 0.0000 | 0.0000 | 84.339 | 0.04307 | 0.00000 | 316523.1 | 212482.7 | 100632.1 | S |
| 185.942 | 0.0000 | 0.0000 | 84.339 | 0.04306 | 0.00000 | 316523.1 | 212484.0 | 100632.1 | S |
| 185.950 | 0.0000 | 0.0000 | 84.339 | 0.04306 | 0.00000 | 316523.1 | 212485.3 | 100632.1 | S |
| 185.958 | 0.0000 | 0.0000 | 84.339 | 0.04306 | 0.00000 | 316523.1 | 212486.6 | 100632.1 | S |
| 185.967 | 0.0000 | 0.0000 | 84.339 | 0.04305 | 0.00000 | 316523.1 | 212487.8 | 100632.1 | S |
| 185.975 | 0.0000 | 0.0000 | 84.339 | 0.04305 | 0.00000 | 316523.1 | 212489.1 | 100632.1 | S |
| 185.983 | 0.0000 | 0.0000 | 84.338 | 0.04305 | 0.00000 | 316523.1 | 212490.4 | 100632.1 | S |
| 185.992 | 0.0000 | 0.0000 | 84.338 | 0.04304 | 0.00000 | 316523.1 | 212491.7 | 100632.1 | S |
| 186.000 | 0.0000 | 0.0000 | 84.338 | 0.04304 | 0.00000 | 316523.1 | 212493.0 | 100632.1 | S |
| 186.008 | 0.0000 | 0.0000 | 84.338 | 0.04303 | 0.00000 | 316523.1 | 212494.3 | 100632.1 | S |
| 186.017 | 0.0000 | 0.0000 | 84.338 | 0.04303 | 0.00000 | 316523.1 | 212495.6 | 100632.1 | S |
| 186.025 | 0.0000 | 0.0000 | 84.338 | 0.04303 | 0.00000 | 316523.1 | 212496.9 | 100632.1 | S |
| 186.033 | 0.0000 | 0.0000 | 84.338 | 0.04302 | 0.00000 | 316523.1 | 212498.2 | 100632.1 | S |
| 186.042 | 0.0000 | 0.0000 | 84.338 | 0.04302 | 0.00000 | 316523.1 | 212499.5 | 100632.1 | S |
| 186.050 | 0.0000 | 0.0000 | 84.338 | 0.04302 | 0.00000 | 316523.1 | 212500.8 | 100632.1 | S |
| 186.058 | 0.0000 | 0.0000 | 84.337 | 0.04301 | 0.00000 | 316523.1 | 212502.0 | 100632.1 | S |
| 186.067 | 0.0000 | 0.0000 | 84.337 | 0.04301 | 0.00000 | 316523.1 | 212503.3 | \{00632.1 | S |
| 186.075 | 0.0000 | 0.0000 | 84.337 | 0.04300 | 0.00000 | 316523.1 | 212504.6 | 100632.1 | S |
| 186.083 | 0.0000 | 0.0000 | 84.337 | 0.04300 | 0.00000 | 316523.1 | 212505.9 | 100632.1 | S |
| 186.092 | 0.0000 | 0.0000 | 84.337 | 0.04300 | 0.00000 | 316523.1 | 212507.2 | 100632.1 | S |
| 186.100 | 0.0000 | 0.0000 | 84.337 | 0.04299 | 0.00000 | 316523.1 | 212508.5 | 100632.1 | S |
| 186.108 | 0.0000 | 0.0000 | 84.337 | 0.04299 | 0.00000 | 316523.1 | 212509.8 | 100632.1 | S |
| 186.117 | 0.0000 | 0.0000 | 84.337 | 0.04299 | 0.00000 | 316523.1 | 212511.1 | 100632.1 | S |
| 186.125 | 0.0000 | 0.0000 | 84.336 | 0.04298 | 0.00000 | 316523.1 | 212512.4 | 100632.1 | S |
| 186.133 | 0.0000 | 0.0000 | 84.336 | 0.04298 | 0.00000 | 316523.1 | 212513.7 | 100632.1 | S |
| 186.142 | 0.0000 | 0.0000 | 84.336 | 0.04297 | 0.00000 | 316523.1 | 212515.0 | 100632.1 | S |
| 186.150 | 0.0000 | 0.0000 | 84.336 | 0.04297 | 0.00000 | 316523.1 | 212516.2 | 100632.1 | S |
| 186.158 | 0.0000 | 0.0000 | 84,336 | 0.04297 | 0.00000 | 316523.1 | 212517.5 | 100632.1 | S |
| 186.167 | 0.0000 | 0.0000 | 84.336 | 0.04296 | 0.00000 | 316523.1 | 212518.8 | 100632.1 | S |
| 186.175 | 0.0000 | 0.0000 | 84.336 | 0.04296 | 0.00000 | 316523.1 | 212520.1 | 100632.1 | S |
| 186.183 | 0.0000 | 0.0000 | 84.336 | 0.04296 | 0.00000 | 316523.1 | 212521.4 | 100632.1 | S |
| 186.192 | 0.0000 | 0.0000 | 84.335 | 0.04295 | 0.00000 | 316523.1 | 212522.7 | 100632.1 | S |
| 186.200 | 0.0000 | 0.0000 | 84.335 | 0.04295 | 0.00000 | 316523.1 | 212524.0 | 100632.1 | S |
| 186.208 | 0.0000 | 0.0000 | 84.335 | 0.04294 | 0.00000 | 316523.1 | 212525.3 | 100632.1 | S |
| 186.217 | 0.0000 | 0.0000 | 84.335 | 0.04294 | 0.00000 | 316523.1 | 212526.5 | 100632.1 | S |
| 186.225 | 0.0000 | 0.0000 | 84.335 | 0.04294 | 0.00000 | 316523.1 | 212527.8 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / 3}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infilltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 186.233 | 0.0000 | 0.0000 | 84.335 | 0.04293 | 0.00000 | 316523.1 | 212529.1 | 100632.1 | S |
| 186.242 | 0.0000 | 0.0000 | 84.335 | 0.04293 | 0.00000 | 316523.1 | 212530.4 | 100632.1 | S |
| 186.250 | 0.0000 | 0.0000 | 84.335 | 0.04293 | 0.00000 | 316523.1 | 212531.7 | 100632.1 | S |
| 186.258 | 0.0000 | 0.0000 | 84.335 | 0.04292 | 0.00000 | 316523.1 | 212533.0 | 100632.1 | S |
| 186.267 | 0.0000 | 0.0000 | 84.334 | 0.04292 | 0.00000 | 316523.1 | 212534.3 | 100632.1 | S |
| 186.275 | 0.0000 | 0.0000 | 84.334 | 0.04291 | 0.00000 | 316523.1 | 212535.6 | 100632.1 | S |
| 186.283 | 0.0000 | 0.0000 | 84.334 | 0.04291 | 0.00000 | 316523.1 | 212536.8 | 100632.1 | S |
| 186.292 | 0.0000 | 0.0000 | 84.334 | 0.04291 | 0.00000 | 316523.1 | 212538.1 | 100632.1 | S |
| 186.300 | 0.0000 | 0.0000 | 84.334 | 0.04290 | 0.00000 | 316523.1 | 212539.4 | 100632.1 | S |
| 186.308 | 0.0000 | 0.0000 | 84.334 | 0.04290 | 0.00000 | 316523.1 | 212540.7 | 100632.1 | S |
| 186.317 | 0.0000 | 0.0000 | 84.334 | 0.04290 | 0.00000 | 316523.1 | 212542.0 | 100632.1 | S |
| 186.325 | 0.0000 | 0.0000 | 84.334 | 0.04289 | 0.00000 | 316523.1 | 212543.3 | 100632.1 | S |
| 186.333 | 0.0000 | 0.0000 | 84.333 | 0.04289 | 0.00000 | 316523.1 | 212544.6 | 100632.1 | S |
| 186.342 | 0.0000 | 0.0000 | 84.333 | 0.04289 | 0.00000 | 316523.1 | 212545.9 | 100632.1 | S |
| 186.350 | 0.0000 | 0.0000 | 84.333 | 0.04288 | 0.00000 | 316523.1 | 212547.1 | 100632.1 | S |
| 186.358 | 0.0000 | 0.0000 | 84.333 | 0.04288 | 0.00000 | 316523.1 | 212548.4 | 100632.1 | S |
| 186.367 | 0.0000 | 0.0000 | 84.333 | 0.04287 | 0.00000 | 316523.1 | 212549.7 | 100632.1 | S |
| 186.375 | 0.0000 | 0.0000 | 84.333 | 0.04287 | 0.00000 | 316523.1 | 212551.0 | 100632.1 | S |
| 186.383 | 0.0000 | 0.0000 | 84.333 | 0.04287 | 0.00000 | 316523.1 | 212552.3 | 100632.1 | S |
| 186.392 | 0.0000 | 0.0000 | 84.333 | 0.04286 | 0.00000 | 316523.1 | 212553.6 | 100632.1 | S |
| 186.400 | 0.0000 | 0.0000 | 84.332 | 0.04286 | 0.00000 | 316523.1 | 212554.9 | 100632.1 | S |
| 186.408 | 0.0000 | 0.0000 | 84.332 | 0.04286 | 0.00000 | 316523.1 | 212556.1 | 100632.1 | S |
| 186.417 | 0.0000 | 0.0000 | 84.332 | 0.04285 | 0.00000 | 316523.1 | 212557.4 | 100632.1 | S |
| 186.425 | 0.0000 | 0.0000 | 84.332 | 0.04285 | 0.00000 | 316523.1 | 212558.7 | 100632.1 | S |
| 186.433 | 0.0000 | 0.0000 | 84.332 | 0.04284 | 0.00000 | 316523.1 | 212560.0 | 100632.1 | S |
| 186.442 | 0.0000 | 0.0000 | 84.332 | 0.04284 | 0.00000 | 316523.1 | 212561.3 | 100632.1 | S |
| 186.450 | 0.0000 | 0.0000 | 84.332 | 0.04284 | 0.00000 | 316523.1 | 212562.6 | 100632.1 | S |
| 186.458 | 0.0000 | 0.0000 | 84.332 | 0.04283 | 0.00000 | 316523.1 | 212563.9 | 100632.1 | S |
| 186.467 | 0.0000 | 0.0000 | 84.332 | 0.04283 | 0.00000 | 316523.1 | 212565.1 | 100632.1 | S |
| 186.475 | 0.0000 | 0.0000 | 84.331 | 0.04283 | 0.00000 | 316523.1 | 212566.4 | 100632.1 | S |
| 186.483 | 0.0000 | 0.0000 | 84.331 | 0.04282 | 0.00000 | 316523.1 | 212567.7 | 100632.1 | S |
| 186.492 | 0.0000 | 0.0000 | 84.331 | 0.04282 | 0.00000 | 316523.1 | 212569.0 | 100632.1 | S |
| 186.500 | 0.0000 | 0.0000 | 84.331 | 0.04281 | 0.00000 | 316523.1 | 212570.3 | 100632.1 | S |
| 186.508 | 0.0000 | 0.0000 | 84.331 | 0.04281 | 0.00000 | 316523.1 | 212571.6 | 100632.1 | S |
| 186.517 | 0.0000 | 0.0000 | 84.331 | 0.04281 | 0.00000 | 316523.1 | 212572.9 | 100632.1 | S |
| 186.525 | 0.0000 | 0.0000 | 84.331 | 0.04280 | 0.00000 | 316523.1 | 212574.1 | 100632.1 | S |
| 186.533 | 0.0000 | 0.0000 | 84.331 | 0.04280 | 0.00000 | 316523.1 | 212575.4 | 100632.1 | S |
| 186.542 | 0.0000 | 0.0000 | 84.330 | 0.04280 | 0.00000 | 316523.1 | 212576.7 | 100632.1 | S |
| 186.550 | 0.0000 | 0.0000 | 84.330 | 0.04279 | 0.00000 | 316523.1 | 212578.0 | 100632.1 | S |
| 186.558 | 0.0000 | 0.0000 | 84.330 | 0.04279 | 0.00000 | 316523.1 | 212579.3 | 100632.1 | S |
| 186.567 | 0.0000 | 0.0000 | 84.330 | 0.04278 | 0.00000 | 316523.1 | 212580.6 | 100632.1 | S |
| 186.575 | 0.0000 | 0.0000 | 84.330 | 0.04278 | 0.00000 | 316523.1 | 212581.8 | 100632.1 | S |
| 186.583 | 0.0000 | 0.0000 | 84.330 | 0.04278 | 0.00000 | 316523.1 | 212583.1 | 100632.1 | S |
| 186.592 | 0.0000 | 0.0000 | 84.330 | 0.04277 | 0.00000 | 316523.1 | 212584.4 | 100632.1 | S |
| 186.600 | 0.0000 | 0.0000 | 84.330 | 0.04277 | 0.00000 | 316523.1 | 212585.7 | 100632.1 | S |
| 186.608 | 0.0000 | 0.0000 | 84.329 | 0.04277 | 0.00000 | 316523.1 | 212587.0 | 100632.1 | S |
| 186.617 | 0.0000 | 0.0000 | 84.329 | 0.04276 | 0.00000 | 316523.1 | 212588.3 | 100632.1 | S |
| 186.625 | 0.0000 | 0.0000 | 84.329 | 0.04276 | 0.00000 | 316523.1 | 212589.5 | 100632.1 | S |
| 186.633 | 0.0000 | 0.0000 | 84.329 | 0.04275 | 0.00000 | 316523.1 | 212590.8 | 100632.1 | S |
| 186.642 | 0.0000 | 0.0000 | 84.329 | 0.04275 | 0.00000 | 316523.1 | 212592.1 | 100632.1 | S |
| 186.650 | 0.0000 | 0.0000 | 84.329 | 0.04275 | 0.00000 | 316523.1 | 212593.4 | 100632.1 | S |
| 186.658 | 0.0000 | 0.0000 | 84.329 | 0.04274 | 0.00000 | 316523.1 | 212594.7 | 100632.1 | S |
| 186.667 | 0.0000 | 0.0000 | 84.329 | 0.04274 | 0.00000 | 316523.1 | 212596.0 | 100632.1 | S |
| 186.675 | 0.0000 | 0.0000 | 84.329 | 0.04274 | 0.00000 | 316523.1 | 212597.2 | 100632.1 | S |
| 186.683 | 0.0000 | 0.0000 | 84.328 | 0.04273 | 0.00000 | 316523.1 | 212598.5 | 100632.1 | S |
| 186.692 | 0.0000 | 0.0000 | 84.328 | 0.04273 | 0.00000 | 316523.1 | 212599.8 | 100632.1 | S |
| 186.700 | 0.0000 | 0.0000 | 84.328 | 0.04273 | 0.00000 | 316523.1 | 212601.1 | 100632.1 | S |
| 186.708 | 0.0000 | 0.0000 | 84.328 | 0.04272 | 0.00000 | 316523.1 | 212602.4 | 100632.1 | S |
| 186.717 | 0.0000 | 0.0000 | 84.328 | 0.04272 | 0.00000 | 316523.1 | 212603.6 | 100632.1 | S |
| 186.725 | 0.0000 | 0.0000 | 84.328 | 0.04271 | 0.00000 | 316523.1 | 212604.9 | 100632.1 | S |
| 186.733 | 0.0000 | 0.0000 | 84.328 | 0.04271 | 0.00000 | 316523.1 | 212606.2 | 100632.1 | S |
| 186.742 | 0.0000 | 0.0000 | 84.328 | 0.04271 | 0.00000 | 316523.1 | 212607.5 | 100632.1 | S |
| 186.750 | 0.0000 | 0.0000 | 84.327 | 0.04270 | 0.00000 | 316523.1 | 212608.8 | 100632.1 | S |
| 186.758 | 0.0000 | 0.0000 | 84.327 | 0.04270 | 0.00000 | 316523.1 | 212610.0 | 100632.1 | S |
| 186.767 | 0.0000 | 0.0000 | 84.327 | 0.04270 | 0.00000 | 316523.1 | 212611.3 | 100632.1 | S |
| 186.775 | 0.0000 | 0.0000 | 84.327 | 0.04269 | 0.00000 | 316523.1 | 212612.6 | 100632.1 | S |
| 186.783 | 0.0000 | 0.0000 | 84.327 | 0.04269 | 0.00000 | 316523.1 | 212613.9 | 100632.1 | S |
| 186.792 | 0.0000 | 0.0000 | 84.327 | 0.04268 | 0.00000 | 316523.1 | 212615.2 | 100632.1 | S |
| 186.800 | 0.0000 | 0.0000 | 84.327 | 0.04268 | 0.00000 | 316523.1 | 212616.5 | 100632.1 | S |
| 186.808 | 0.0000 | 0.0000 | 84.327 | 0.04268 | 0.00000 | 316523.1 | 212617.7 | 100632.1 | S |
| 186.817 | 0.0000 | 0.0000 | 84.326 | 0.04267 | 0.00000 | 316523.1 | 212619.0 | 100632.1 | S |
| 186.825 | 0.0000 | 0.0000 | 84.326 | 0.04267 | 0.00000 | 316523.1 | 212620.3 | 100632.1 | S |
| 186.833 | 0.0000 | 0.0000 | 84.326 | 0.04267 | 0.00000 | 316523.1 | 212621.6 | 100632.1 | S |
| 186.842 | 0.0000 | 0.0000 | 84.326 | 0.04266 | 0.00000 | 316523.1 | 212622.9 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge (ft ${ }^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infilisation Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 186.850 | 0.0000 | 0.0000 | 84.326 | 0.04266 | 0.00000 | 316523.1 | 212624.1 | 100632.1 | S |
| 186.858 | 0.0000 | 0.0000 | 84.326 | 0.04265 | 0.00000 | 316523.1 | 212625.4 | 100632.1 | S |
| 186.867 | 0.0000 | 0.0000 | 84.326 | 0.04265 | 0.00000 | 316523.1 | 212626.7 | 100632.1 | S |
| 186.875 | 0.0000 | 0.0000 | 84.326 | 0.04265 | 0.00000 | 316523.1 | 212628.0 | 100632.1 | S |
| 186.883 | 0.0000 | 0.0000 | 84.326 | 0.04264 | 0.00000 | 316523.1 | 212629.3 | 100632.1 | S |
| 186.892 | 0.0000 | 0.0000 | 84.325 | 0.04264 | 0.00000 | 316523.1 | 212630.5 | 100632.1 | S |
| 186.900 | 0.0000 | 0.0000 | 84.325 | 0.04264 | 0.00000 | 316523.1 | 212631.8 | 100632.1 | S |
| 186.908 | 0.0000 | 0.0000 | 84.325 | 0.04263 | 0.00000 | 316523.1 | 212633.1 | 100632.1 | S |
| 186.917 | 0.0000 | 0.0000 | 84.325 | 0.04263 | 0.00000 | 316523.1 | 212634.4 | 100632.1 | S |
| 186.925 | 0.0000 | 0.0000 | 84.325 | 0.04263 | 0.00000 | 316523.1 | 212635.6 | 100632.1 | S |
| 186.933 | 0.0000 | 0.0000 | 84.325 | 0.04262 | 0.00000 | 316523.1 | 212636.9 | 100632.1 | S |
| 186.942 | 0.0000 | 0.0000 | 84.325 | 0.04262 | 0.00000 | 316523.1 | 212638.2 | 100632.1 | S |
| 186.950 | 0.0000 | 0.0000 | 84.325 | 0.04261 | 0.00000 | 316523.1 | 212639.5 | 100632.1 | S |
| 186.958 | 0.0000 | 0.0000 | 84.324 | 0.04261 | 0.00000 | 316523.1 | 212640.8 | 100632.1 | S |
| 186.967 | 0.0000 | 0.0000 | 84.324 | 0.04261 | 0.00000 | 316523.1 | 212642.0 | 100632.1 | S |
| 186.975 | 0.0000 | 0.0000 | 84.324 | 0.04260 | 0.00000 | 316523.1 | 212643.3 | 100632.1 | S |
| 186.983 | 0.0000 | 0.0000 | 84.324 | 0.04260 | 0.00000 | 316523.1 | 212644.6 | 100632.1 | S |
| 186.992 | 0.0000 | 0.0000 | 84.324 | 0.04260 | 0.00000 | 316523.1 | 212645.9 | 100632.1 | S |
| 187.000 | 0.0000 | 0.0000 | 84.324 | 0.04259 | 0.00000 | 316523.1 | 212647.2 | 100632.1 | S |
| 187.008 | 0.0000 | 0.0000 | 84.324 | 0.04259 | 0.00000 | 316523.1 | 212648.4 | 100632.1 | S |
| 187.017 | 0.0000 | 0.0000 | 84.324 | 0.04258 | 0.00000 | 316523.1 | 212649.7 | 100632.1 | S |
| 187.025 | 0.0000 | 0.0000 | 84.323 | 0.04258 | 0.00000 | 316523.1 | 212651.0 | 100632.1 | S |
| 187.033 | 0.0000 | 0.0000 | 84.323 | 0.04258 | 0.00000 | 316523.1 | 212652.3 | 100632.1 | S |
| 187.042 | 0.0000 | 0.0000 | 84.323 | 0.04257 | 0.00000 | 316523.1 | 212653.5 | 100632.1 | S |
| 187.050 | 0.0000 | 0.0000 | 84.323 | 0.04257 | 0.00000 | 316523.1 | 212654.8 | 100632.1 | S |
| 187.058 | 0.0000 | 0.0000 | 84.323 | 0.04257 | 0.00000 | 316523.1 | 212656.1 | 100632.1 | S |
| 187.067 | 0.0000 | 0.0000 | 84.323 | 0.04256 | 0.00000 | 316523.1 | 212657.4 | 100632.1 | S |
| 187.075 | 0.0000 | 0.0000 | 84.323 | 0.04256 | 0.00000 | 316523.1 | 212658.6 | 100632.1 | S |
| 187.083 | 0.0000 | 0.0000 | 84.323 | 0.04255 | 0.00000 | 316523.1 | 212659.9 | 100632.1 | S |
| 187.092 | 0.0000 | 0.0000 | 84.323 | 0.04255 | 0.00000 | 316523.1 | 212661.2 | 100632.1 | S |
| 187.100 | 0.0000 | 0.0000 | 84.322 | 0.04255 | 0.00000 | 316523.1 | 212662.5 | 100632.1 | S |
| 187.108 | 0.0000 | 0.0000 | 84.322 | 0.04254 | 0.00000 | 316523.1 | 212663.8 | 100632.1 | S |
| 187.117 | 0.0000 | 0.0000 | 84.322 | 0.04254 | 0.00000 | 316523.1 | 212665.0 | 100632.1 | S |
| 187.125 | 0.0000 | 0.0000 | 84.322 | 0.04254 | 0.00000 | 316523.1 | 212666.3 | 100632.1 | S |
| 187.133 | 0.0000 | 0.0000 | 84.322 | 0.04253 | 0.00000 | 316523.1 | 212667.6 | 100632.1 | S |
| 187.142 | 0.0000 | 0.0000 | 84.322 | 0.04253 | 0.00000 | 316523.1 | 212668.9 | 100632.1 | S |
| 187.150 | 0.0000 | 0.0000 | 84.322 | 0.04253 | 0.00000 | 316523.1 | 212670.1 | 100632.1 | S |
| 187.158 | 0.0000 | 0.0000 | 84.322 | 0.04252 | 0.00000 | 316523.1 | 212671.4 | 100632.1 | S |
| 187.167 | 0.0000 | 0.0000 | 84.321 | 0.04252 | 0.00000 | 316523.1 | 212672.7 | 100632.1 | S |
| 187.175 | 0.0000 | 0.0000 | 84.321 | 0.04251 | 0.00000 | 316523.1 | 212674.0 | 100632.1 | S |
| 187.183 | 0.0000 | 0.0000 | 84.321 | 0.04251 | 0.00000 | 316523.1 | 212675.2 | 100632.1 | S |
| 187.192 | 0.0000 | 0.0000 | 84.321 | 0.04251 | 0.00000 | 316523.1 | 212676.5 | 100632.1 | S |
| 187.200 | 0.0000 | 0.0000 | 84.321 | 0.04250 | 0.00000 | 316523.1 | 212677.8 | 100632.1 | S |
| 187.208 | 0.0000 | 0.0000 | 84.321 | 0.04250 | 0.00000 | 316523.1 | 212679.1 | 100632.1 | S |
| 187.217 | 0.0000 | 0.0000 | 84.321 | 0.04250 | 0.00000 | 316523.1 | 212680.3 | 100632.1 | S |
| 187.225 | 0.0000 | 0.0000 | 84.321 | 0.04249 | 0.00000 | 316523.1 | 212681.6 | 100632.1 | S |
| 187.233 | 0.0000 | 0.0000 | 84.320 | 0.04249 | 0.00000 | 316523.1 | 212682.9 | 100632.1 | S |
| 187.242 | 0.0000 | 0.0000 | 84.320 | 0.04248 | 0.00000 | 316523.1 | 212684.2 | 100632.1 | S |
| 187.250 | 0.0000 | 0.0000 | 84.320 | 0.04248 | 0.00000 | 316523.1 | 212685.4 | 100632.1 | S |
| 187.258 | 0.0000 | 0.0000 | 84.320 | 0.04248 | 0.00000 | 316523.1 | 212686.7 | 100632.1 | S |
| 187.267 | 0.0000 | 0.0000 | 84.320 | 0.04247 | 0.00000 | 316523.1 | 212688.0 | 100632.1 | S |
| 187.275 | 0.0000 | 0.0000 | 84.320 | 0.04247 | 0.00000 | 316523.1 | 212689.3 | 100632.1 | S |
| 187.283 | 0.0000 | 0.0000 | 84.320 | 0.04247 | 0.00000 | 316523.1 | 212690.5 | 100632.1 | S |
| 187.292 | 0.0000 | 0.0000 | 84.320 | 0.04246 | 0.00000 | 316523.1 | 212691.8 | 100632.1 | S |
| 187.300 | 0.0000 | 0.0000 | 84.320 | 0.04246 | 0.00000 | 316523.1 | 212693.1 | 100632.1 | S |
| 187.308 | 0.0000 | 0.0000 | 84.319 | 0.04246 | 0.00000 | 316523.1 | 212694.3 | 100632.1 | S |
| 187.317 | 0.0000 | 0.0000 | 84.319 | 0.04245 | 0.00000 | 316523.1 | 212695.6 | 100632.1 | S |
| 187.325 | 0.0000 | 0.0000 | 84.319 | 0.04245 | 0.00000 | 316523.1 | 212696.9 | 100632.1 | S |
| 187.333 | 0.0000 | 0.0000 | 84.319 | 0.04244 | 0.00000 | 316523.1 | 212698.2 | 100632.1 | S |
| 187.342 | 0.0000 | 0.0000 | 84.319 | 0.04244 | 0.00000 | 316523.1 | 212699.4 | 100632.1 | S |
| 187.350 | 0.0000 | 0.0000 | 84.319 | 0.04244 | 0.00000 | 316523.1 | 212700.7 | 100632.1 | S |
| 187.358 | 0.0000 | 0.0000 | 84.319 | 0.04243 | 0.00000 | 316523.1 | 212702.0 | 100632.1 | S |
| 187.367 | 0.0000 | 0.0000 | 84.319 | 0.04243 | 0.00000 | 316523.1 | 212703.3 | 100632.1 | S |
| 187.375 | 0.0000 | 0.0000 | 84.318 | 0.04243 | 0.00000 | 316523.1 | 212704.5 | 100632.1 | S |
| 187.383 | 0.0000 | 0.0000 | 84.318 | 0.04242 | 0.00000 | 316523.1 | 212705.8 | 100632.1 | S |
| 187.392 | 0.0000 | 0.0000 | 84.318 | 0.04242 | 0.00000 | 316523.1 | 212707.1 | 100632.1 | S |
| 187.400 | 0.0000 | 0.0000 | 84.318 | 0.04241 | 0.00000 | 316523.1 | 212708.4 | 100632.1 | S |
| 187.408 | 0.0000 | 0.0000 | 84.318 | 0.04241 | 0.00000 | 316523.1 | 212709.6 | 100632.1 | S |
| 187.417 | 0.0000 | 0.0000 | 84.318 | 0.04241 | 0.00000 | 316523.1 | 212710.9 | 100632.1 | S |
| 187.425 | 0.0000 | 0.0000 | 84.318 | 0.04240 | 0.00000 | 316523.1 | 212712.2 | 100632.1 | S |
| 187.433 | 0.0000 | 0.0000 | 84.318 | 0.04240 | 0.00000 | 316523.1 | 212713.4 | 100632.1 | S |
| 187.442 | 0.0000 | 0.0000 | 84.318 | 0.04240 | 0.00000 | 316523.1 | 212714.7 | 100632.1 | S |
| 187.450 | 0.0000 | 0.0000 | 84.317 | 0.04239 | 0.00000 | 316523.1 | 212716.0 | 100632.1 | S |
| 187.458 | 0.0000 | 0.0000 | 84.317 | 0.04239 | 0.00000 | 316523.1 | 212717.3 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (fuday) | Stage Elevation (ft daturn) | Infitration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative tnflow Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 187.467 | 0.0000 | 0.0000 | 84.317 | 0.04239 | 0.00000 | 316523.1 | 212718.5 | 100632.1 | S |
| 187.475 | 0.0000 | 0.0000 | 84.317 | 0.04238 | 0.00000 | 316523.1 | 212719.8 | 100632.1 | S |
| 187.483 | 0.0000 | 0.0000 | 84.317 | 0.04238 | 0.00000 | 316523.1 | 212721.1 | 100632.1 | S |
| 187.492 | 0.0000 | 0.0000 | 84.317 | 0.04237 | 0.00000 | 316523.1 | 212722.3 | 100632.1 | S |
| 187.500 | 0.0000 | 0.0000 | 84.317 | 0.04237 | 0.00000 | 316523.1 | 212723.6 | 100632.1 | S |
| 187.508 | 0.0000 | 0.0000 | 84.317 | 0.04237 | 0.00000 | 316523.1 | 212724.9 | 100632.1 | S |
| 187.517 | 0.0000 | 0.0000 | 84.316 | 0.04236 | 0.00000 | 316523.1 | 212726.2 | 100632.1 | S |
| 187.525 | 0.0000 | 0.0000 | 84.316 | 0.04236 | 0.00000 | 316523.1 | 212727.4 | 100632.1 | S |
| 187.533 | 0.0000 | 0.0000 | 84.316 | 0.04236 | 0.00000 | 316523.1 | 212728.7 | 100632.1 | S |
| 187.542 | 0.0000 | 0.0000 | 84.316 | 0.04235 | 0.00000 | 316523.1 | 212730.0 | 100632.1 | S |
| 187.550 | 0.0000 | 0.0000 | 84.316 | 0.04235 | 0.00000 | 316523.1 | 212731.2 | 100632.1 | S |
| 187.558 | 0.0000 | 0.0000 | 84.316 | 0.04234 | 0.00000 | 316523.1 | 212732.5 | 100632.1 | S |
| 187.567 | 0.0000 | 0.0000 | 84.316 | 0.04234 | 0.00000 | 316523.1 | 212733.8 | 100632.1 | S |
| 187.575 | 0.0000 | 0.0000 | 84.316 | 0.04234 | 0.00000 | 316523.1 | 212735.0 | 100632.1 | S |
| 187.583 | 0.0000 | 0.0000 | 84.315 | 0.04233 | 0.00000 | 316523.1 | 212736.3 | 100632.1 | S |
| 187.592 | 0.0000 | 0.0000 | 84.315 | 0.04233 | 0.00000 | 316523.1 | 212737.6 | 100632.1 | S |
| 187.600 | 0.0000 | 0.0000 | 84.315 | 0.04233 | 0.00000 | 316523.1 | 212738.9 | 100632.1 | S |
| 187.608 | 0.0000 | 0.0000 | 84.315 | 0.04232 | 0.00000 | 316523.1 | 212740.1 | 100632.1 | S |
| 187.617 | 0.0000 | 0.0000 | 84.315 | 0.04232 | 0.00000 | 316523.1 | 212741.4 | 100632.1 | S |
| 187.625 | 0.0000 | 0.0000 | 84.315 | 0.04232 | 0.00000 | 316523.1 | 212742.7 | 100632.1 | S |
| 187.633 | 0.0000 | 0.0000 | 84.315 | 0.04231 | 0.00000 | 316523.1 | 212743.9 | 100632.1 | S |
| 187.642 | 0.0000 | 0.0000 | 84.315 | 0.04231 | 0.00000 | 316523.1 | 212745.2 | 100632.1 | S |
| 187.650 | 0.0000 | 0.0000 | 84.315 | 0.04230 | 0.00000 | 316523.1 | 212746.5 | 100632.1 | S |
| 187.658 | 0.0000 | 0.0000 | 84.314 | 0.04230 | 0.00000 | 316523.1 | 212747.8 | 100632.8 | S |
| 187.667 | 0.0000 | 0.0000 | 84.314 | 0.04230 | 0.00000 | 316523.1 | 212749.0 | 100632.1 | S |
| 187.675 | 0.0000 | 0.0000 | 84.314 | 0.04229 | 0.00000 | 316523.1 | 212750.3 | 100632.1 | S |
| 187.683 | 0.0000 | 0.0000 | 84.314 | 0.04229 | 0.00000 | 316523.1 | 212751.5 | 100632.1 | S |
| 187.692 | 0.0000 | 0.0000 | 84.314 | 0.04229 | 0.00000 | 316523.1 | 212752.8 | 100632.1 | S |
| 187.700 | 0.0000 | 0.0000 | 84.314 | 0.04228 | 0.00000 | 316523.1 | 212754.1 | 100632.1 | S |
| 187.708 | 0.0000 | 0.0000 | 84.314 | 0.04228 | 0.00000 | 316523.1 | 212755.4 | 100632.1 | S |
| 187.717 | 0.0000 | 0.0000 | 84.314 | 0.04228 | 0.00000 | 316523.1 | 212756.6 | 100632.1 | S |
| 187.725 | 0.0000 | 0.0000 | 84.313 | 0.04227 | 0.00000 | 316523.1 | 212757.9 | 100632.1 | S |
| 187.733 | 0.0000 | 0.0000 | 84.313 | 0.04227 | 0.00000 | 316523.1 | 212759.2 | 100632.1 | S |
| 187.742 | 0.0000 | 0.0000 | 84.313 | 0.04226 | 0.00000 | 316523.1 | 212760.4 | 100632.1 | S |
| 187.750 | 0.0000 | 0.0000 | 84.313 | 0.04226 | 0.00000 | 316523.1 | 212761.7 | 100632.1 | S |
| 187.758 | 0.0000 | 0.0000 | 84.313 | 0.04226 | 0.00000 | 316523.1 | 212763.0 | 100632.1 | S |
| 187.767 | 0.0000 | 0.0000 | 84.313 | 0.04225 | 0.00000 | 316523.1 | 212764.2 | 100632.1 | S |
| 187.775 | 0.0000 | 0.0000 | 84.313 | 0.04225 | 0.00000 | 316523.1 | 212765.5 | 100632.1 | S |
| 187.783 | 0.0000 | 0.0000 | 84.313 | 0.04225 | 0.00000 | 316523.1 | 212766.8 | 100632.1 | S |
| 187.792 | 0.0000 | 0.0000 | 84.312 | 0.04224 | 0.00000 | 316523.1 | 212768.0 | 100632.1 | S |
| 187.800 | 0.0000 | 0.0000 | 84.312 | 0.04224 | 0.00000 | 316523.1 | 212769.3 | 100632.1 | S |
| 187.808 | 0.0000 | 0.0000 | 84.312 | 0.04223 | 0.00000 | 316523.1 | 212770.6 | 100632.1 | S |
| 187.817 | 0.0000 | 0.0000 | 84.312 | 0.04223 | 0.00000 | 316523.1 | 212771.8 | 100632.1 | S |
| 187.825 | 0.0000 | 0.0000 | 84.312 | 0.04223 | 0.00000 | 316523.1 | 212773.1 | 100632.1 | S |
| 187.833 | 0.0000 | 0.0000 | 84.312 | 0.04222 | 0.00000 | 316523.1 | 212774.4 | 100632.1 | S |
| 187.842 | 0.0000 | 0.0000 | 84.312 | 0.04222 | 0.00000 | 316523.1 | 212775.6 | 100632.1 | S |
| 187.850 | 0.0000 | 0.0000 | 84.312 | 0.04222 | 0.00000 | 316523.1 | 212776.9 | 100632.1 | S |
| 187.858 | 0.0000 | 0.0000 | 84.312 | 0.04221 | 0.00000 | 316523.1 | 212778.2 | 100632.1 | S |
| 187.867 | 0.0000 | 0.0000 | 84.311 | 0.04221 | 0.00000 | 316523.1 | 212779.4 | 100632.4 | S |
| 187.875 | 0.0000 | 0.0000 | 84.311 | 0.04221 | 0.00000 | 316523.1 | 212780.7 | 100632.1 | S |
| 187.883 | 0.0000 | 0.0000 | 84.311 | 0.04220 | 0.00000 | 316523.1 | 212782.0 | 100632.1 | S |
| 187.892 | 0.0000 | 0.0000 | 84.311 | 0.04220 | 0.00000 | 316523.1 | 212783.2 | 100632.1 | S |
| 187.900 | 0.0000 | 0.0000 | 84.311 | 0.04219 | 0.00000 | 316523.1 | 212784.5 | 100632.1 | S |
| 187.908 | 0.0000 | 0.0000 | 84.311 | 0.04219 | 0.00000 | 316523.1 | 212785.8 | 100632.1 | S |
| 187.917 | 0.0000 | 0.0000 | 84.311 | 0.04219 | 0.00000 | 316523.1 | 212787.0 | 100632.1 | S |
| 187.925 | 0.0000 | 0.0000 | 84.311 | 0.04218 | 0.00000 | 316523.1 | 212788.3 | 100632.1 | S |
| 187.933 | 0.0000 | 0.0000 | 84.310 | 0.04218 | 0.00000 | 316523.1 | 212789.6 | 100632.1 | S |
| 187.942 | 0.0000 | 0.0000 | 84.310 | 0.04218 | 0.00000 | 316523.1 | 212790.8 | 100632.1 | S |
| 187.950 | 0.0000 | 0.0000 | 84.310 | 0.04217 | 0.00000 | 316523.1 | 212792.1 | 100632.1 | S |
| 187.958 | 0.0000 | 0.0000 | 84.310 | 0.04217 | 0.00000 | 316523.1 | 212793.4 | 100632.1 | S |
| 187.967 | 0.0000 | 0.0000 | 84.310 | 0.04217 | 0.00000 | 316523.1 | 212794.6 | 100632.1 | S |
| 187.975 | 0.0000 | 0.0000 | 84.310 | 0.04216 | 0.00000 | 316523.1 | 212795.9 | 100632.1 | S |
| 187.983 | 0.0000 | 0.0000 | 84.310 | 0.04216 | 0.00000 | 316523.1 | 212797.2 | 100632.1 | S |
| $\uparrow 87.992$ | 0.0000 | 0.0000 | 84.310 | 0.04215 | 0.00000 | 316523.1 | 212798.4 | 100632.1 | S |
| \$88.000 | 0.0000 | 0.0000 | 84.310 | 0.04215 | 0.00000 | 316523.1 | 212799.7 | 100632.1 | S |
| 188.008 | 0.0000 | 0.0000 | 84.309 | 0.04215 | 0.00000 | 316523.1 | 212801.0 | 100632.1 | S |
| 188.017 | 0.0000 | 0.0000 | 84.309 | 0.04214 | 0.00000 | 316523.1 | 212802.2 | 100632.1 | S |
| 188.025 | 0.0000 | 0.0000 | 84.309 | 0.04214 | 0.00000 | 316523.1 | 212803.5 | 100632.1 | S |
| 188.033 | 0.0000 | 0.0000 | 84.309 | 0.04214 | 0.00000 | 316523.1 | 212804.7 | 100632.1 | S |
| 188.042 | 0.0000 | 0.0000 | 84.309 | 0.04213 | 0.00000 | 316523.1 | 212806.0 | 100632.1 | S |
| 188.050 | 0.0000 | 0.0000 | 84.309 | 0.04213 | 0.00000 | 316523.1 | 212807.3 | 100632.1 | S |
| 188.058 | 0.0000 | 0.0000 | 84.309 | 0.04213 | 0.00000 | 316523.1 | 212808.5 | 100632.1 | S |
| 188.067 | 0.0000 | 0.0000 | 84.309 | 0.04212 | 0.00000 | 316523.1 | 212809.8 | 100632.1 | S |
| 188.075 | 0.0000 | 0.0000 | 84.308 | 0.04212 | 0.00000 | 316523.1 | 212811.1 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge ( $\mathrm{H} / \mathrm{d}$ day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overfiow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 188.083 | 0.0000 | 0.0000 | 84.308 | 0.04211 | 0.00000 | 316523.1 | 212812.3 | 100632.1 | S |
| 188.092 | 0.0000 | 0.0000 | 84.308 | 0.04211 | 0.00000 | 316523.1 | 212813.6 | 100632.1 | S |
| 188.100 | 0.0000 | 0.0000 | 84.308 | 0.04211 | 0.00000 | 316523.1 | 212814.8 | 100632.1 | S |
| 188.108 | 0.0000 | 0.0000 | 84.308 | 0.04210 | 0.00000 | 316523.1 | 212816.1 | 100632.1 | S |
| 188.117 | 0.0000 | 0.0000 | 84.308 | 0.04210 | 0.00000 | 316523.1 | 212817.4 | 100632.1 | S |
| 188.125 | 0.0000 | 0.0000 | 84.308 | 0.04210 | 0.00000 | 316523.1 | 212818.6 | 100632.1 | S |
| 188.133 | 0.0000 | 0.0000 | 84.308 | 0.04209 | 0.00000 | 316523.1 | 212819.9 | 100632.1 | S |
| 188.142 | 0.0000 | 0.0000 | 84.307 | 0.04209 | 0.00000 | 316523.1 | 212821.2 | 100632.1 | S |
| 188.150 | 0.0000 | 0.0000 | 84.307 | 0.04209 | 0.00000 | 316523.1 | 212822.4 | 100632.1 | S |
| 188.158 | 0.0000 | 0.0000 | 84.307 | 0.04208 | 0.00000 | 316523.1 | 212823.7 | 100632.1 | S |
| 188.167 | 0.0000 | 0.0000 | 84.307 | 0.04208 | 0.00000 | 316523.1 | 212825.0 | 100632.1 | S |
| 188.175 | 0.0000 | 0.0000 | 84.307 | 0.04207 | 0.00000 | 316523.1 | 212826.2 | 100632.1 | S |
| 188.183 | 0.0000 | 0.0000 | 84.307 | 0.04207 | 0.00000 | 316523.1 | 212827.5 | 100632.1 | S |
| 188.192 | 0.0000 | 0.0000 | 84.307 | 0.04207 | 0.00000 | 316523.1 | 212828.7 | 100632.1 | S |
| 188.200 | 0.0000 | 0.0000 | 84.307 | 0.04206 | 0.00000 | 316523.1 | 212830.0 | 100632.1 | S |
| 188.208 | 0.0000 | 0.0000 | 84.307 | 0.04206 | 0.00000 | 316523.1 | 212831.3 | 100632.1 | S |
| 188.217 | 0.0000 | 0.0000 | 84.306 | 0.04206 | 0.00000 | 316523.1 | 212832.5 | 100632.1 | S |
| 188.225 | 0.0000 | 0.0000 | 84.306 | 0.04205 | 0.00000 | 316523.1 | 212833.8 | 100632.1 | S |
| 188.233 | 0.0000 | 0.0000 | 84.306 | 0.04205 | 0.00000 | 316523.1 | 212835.0 | 100632.1 | S |
| 188.242 | 0.0000 | 0.0000 | 84.306 | 0.04204 | 0.00000 | 316523.1 | 212836.3 | 100632.1 | S |
| 188.250 | 0.0000 | 0.0000 | 84.306 | 0.04204 | 0.00000 | 316523.1 | 212837.6 | 100632.1 | S |
| 188.258 | 0.0000 | 0.0000 | 84.306 | 0.04204 | 0.00000 | 316523.1 | 212838.8 | 100632.1 | S |
| 188.267 | 0.0000 | 0.0000 | 84.306 | 0.04203 | 0.00000 | 316523.1 | 212840.1 | 100632.1 | S |
| 188.275 | 0.0000 | 0.0000 | 84.306 | 0.04203 | 0.00000 | 316523.1 | 212841.4 | 100632.1 | S |
| 188.283 | 0.0000 | 0.0000 | 84.305 | 0.04203 | 0.00000 | 316523.1 | 212842.6 | 100632.1 | S |
| 188.292 | 0.0000 | 0.0000 | 84.305 | 0.04202 | 0.00000 | 316523.1 | 212843.9 | 100632.1 | S |
| 188.300 | 0.0000 | 0.0000 | 84.305 | 0.04202 | 0.00000 | 316523.1 | 212845.1 | 100632.1 | S |
| 188.308 | 0.0000 | 0.0000 | 84.305 | 0.04202 | 0.00000 | 316523.1 | 212846.4 | 100632.1 | S |
| 188.317 | 0.0000 | 0.0000 | 84.305 | 0.04201 | 0.00000 | 316523.1 | 212847.7 | 100632.1 | S |
| 188.325 | 0.0000 | 0.0000 | 84.305 | 0.04201 | 0.00000 | 316523.1 | 212848.9 | 100632.1 | S |
| 188.333 | 0.0000 | 0.0000 | 84.305 | 0.04200 | 0.00000 | 316523.1 | 212850.2 | 100632.1 | S |
| 188.342 | 0.0000 | 0.0000 | 84.305 | 0.04200 | 0.00000 | 316523.1 | 212851.4 | 100632.1 | S |
| 188.350 | 0.0000 | 0.0000 | 84.305 | 0.04200 | 0.00000 | 316523.1 | 212852.7 | 100632.1 | S |
| 188.358 | 0.0000 | 0.0000 | 84.304 | 0.04199 | 0.00000 | 316523.1 | 212854.0 | 100632.1 | S |
| 188.367 | 0.0000 | 0.0000 | 84.304 | 0.04199 | 0.00000 | 316523.1 | 212855.2 | 100632.1 | S |
| 188.375 | 0.0000 | 0.0000 | 84.304 | 0.04199 | 0.00000 | 316523.1 | 212856.5 | 100632.1 | S |
| 188.383 | 0.0000 | 0.0000 | 84.304 | 0.04198 | 0.00000 | 316523.1 | 212857.7 | 100632.1 | S |
| 188.392 | 0.0000 | 0.0000 | 84.304 | 0.04198 | 0.00000 | 316523.1 | 212859.0 | 100632.1 | S |
| 188.400 | 0.0000 | 0.0000 | 84.304 | 0.04198 | 0.00000 | 316523.1 | 212860.3 | 100632.1 | S |
| 188.408 | 0.0000 | 0.0000 | 84.304 | 0.04197 | 0.00000 | 316523.1 | 212861.5 | 100632.1 | S |
| 188.417 | 0.0000 | 0.0000 | 84.304 | 0.04197 | 0.00000 | 316523.1 | 212862.8 | 100632.1 | S |
| 188.425 | 0.0000 | 0.0000 | 84.303 | 0.04196 | 0.00000 | 316523.1 | 212864.0 | 100632.1 | 5 |
| 188.433 | 0.0000 | 0.0000 | 84.303 | 0.04196 | 0.00000 | 316523.1 | 212865.3 | 100632.1 | 5 |
| 188.442 | 0.0000 | 0.0000 | 84.303 | 0.04196 | 0.00000 | 316523.1 | 212866.5 | 100632.1 | S |
| 188.450 | 0.0000 | 0.0000 | 84.303 | 0.04195 | 0.00000 | 316523.1 | 212867.8 | 100632.1 | S |
| 188.458 | 0.0000 | 0.0000 | 84.303 | 0.04195 | 0.00000 | 316523.1 | 212869.1 | 100632.1 | S |
| 188.467 | 0.0000 | 0.0000 | 84.303 | 0.04195 | 0.00000 | 316523.1 | 212870.3 | 100632.1 | S |
| 188.475 | 0.0000 | 0.0000 | 84.303 | 0.04194 | 0.00000 | 316523.1 | 212871.6 | 100632.1 | S |
| 188.483 | 0.0000 | 0.0000 | 84.303 | 0.04194 | 0.00000 | 316523.1 | 212872.8 | 100632.1 | S |
| 188.492 | 0.0000 | 0.0000 | 84.302 | 0.04194 | 0.00000 | 316523.1 | 212874.1 | 100632.1 | S |
| 188.500 | 0.0000 | 0.0000 | 84.302 | 0.04193 | 0.00000 | 316523.1 | 212875.4 | 100632.1 | S |
| 188.508 | 0.0000 | 0.0000 | 84.302 | 0.04193 | 0.00000 | 316523.1 | 212876.6 | 100632.1 | S |
| 188.517 | 0.0000 | 0.0000 | 84.302 | 0.04192 | 0.00000 | 316523.1 | 212877.9 | 100632.1 | S |
| 188.525 | 0.0000 | 0.0000 | 84.302 | 0.04192 | 0.00000 | 316523.1 | 212879.1 | 100632.1 | S |
| 188.533 | 0.0000 | 0.0000 | 84.302 | 0.04192 | 0.00000 | 316523.1 | 212880.4 | 100632.1 | S |
| 188.542 | 0.0000 | 0.0000 | 84.302 | 0.04191 | 0.00000 | 316523.1 | 212881.6 | 100632.1 | S |
| 188.550 | 0.0000 | 0.0000 | 84.302 | 0.04191 | 0.00000 | 316523.1 | 212882.9 | 100632.1 | S |
| 188.558 | 0.0000 | 0.0000 | 84.302 | 0.04191 | 0.00000 | 316523.1 | 212884.2 | 100632.1 | S |
| 188.567 | 0.0000 | 0.0000 | 84.301 | 0.04190 | 0.00000 | 316523.1 | 212885.4 | 100632.1 | S |
| 188.575 | 0.0000 | 0.0000 | 84.301 | 0.04190 | 0.00000 | 316523.1 | 212886.7 | 100632.1 | S |
| 188.583 | 0.0000 | 0.0000 | 84.301 | 0.04190 | 0.00000 | 316523.1 | 212887.9 | 100632.1 | S |
| 188.592 | 0.0000 | 0.0000 | 84.301 | 0.04189 | 0.00000 | 316523.1 | 212889.2 | 100632.1 | S |
| 188.600 | 0.0000 | 0.0000 | 84.301 | 0.04189 | 0.00000 | 316523.1 | 212890.5 | 100632.1 | S |
| 188.608 | 0.0000 | 0.0000 | 84.301 | 0.04188 | 0.00000 | 316523.1 | 212891.7 | 100632.1 | S |
| 188.617 | 0.0000 | 0.0000 | 84.301 | 0.04188 | 0.00000 | 316523.1 | 212893.0 | 100632.1 | S |
| 188.625 | 0.0000 | 0.0000 | 84.301 | 0.04188 | 0.00000 | 316523.1 | 212894.2 | 100632.1 | S |
| 188.633 | 0.0000 | 0.0000 | 84.300 | 0.04187 | 0.00000 | 316523.1 | 212895.5 | 100632.1 | S |
| 188.642 | 0.0000 | 0.0000 | 84.300 | 0.04187 | 0.00000 | 316523.1 | 212896.7 | 100632.1 | S |
| 188.650 | 0.0000 | 0.0000 | 84.300 | 0.04187 | 0.00000 | 316523.1 | 212898.0 | 100632.1 | S |
| 188.658 | 0.0000 | 0.0000 | 84.300 | 0.04186 | 0.00000 | 316523.1 | 212899.2 | 100632.1 | S |
| 188.667 | 0.0000 | 0.0000 | 84.300 | 0.04186 | 0.00000 | 316523.1 | 212900.5 | 100632.1 | S |
| 188.675 | 0.0000 | 0.0000 | 84.300 | 0.04186 | 0.00000 | 316523.1 | 212901.8 | 100632.1 | S |
| 188.683 | 0.0000 | 0.0000 | 84.300 | 0.04185 | 0.00000 | 316523.1 | 212903.0 | 100632.1 | S |
| 188.692 | 0.0000 | 0.0000 | 84.300 | 0.04185 | 0.00000 | 316523.1 | 212904.3 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | Inflow Rate (fis/s) | Outside Recharge ( $\mathrm{H} / \mathrm{day}$ ) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{ft}^{1} / \mathrm{s}$ ) | Cumuative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{H}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 188.700 | 0.0000 | 0.0000 | 84.300 | 0.04184 | 0.00000 | 316523.1 | 212905.5 | 100632.1 | S |
| 188.708 | 0.0000 | 0.0000 | 84.299 | 0.04184 | 0.00000 | 316523.1 | 212906.8 | 100632.1 | S |
| 188.717 | 0.0000 | 0.0000 | 84.299 | 0.04184 | 0.00000 | 316523.1 | 212908.0 | 100632.1 | S |
| 188.725 | 0.0000 | 0.0000 | 84.299 | 0.04183 | 0.00000 | 316523.1 | 212909.3 | 100632.1 | S |
| 188.733 | 0.0000 | 0.0000 | 84.299 | 0.04183 | 0.00000 | 316523.1 | 212910.5 | 100632.1 | S |
| 188.742 | 0.0000 | 0.0000 | 84.299 | 0.04183 | 0.00000 | 316523.1 | 212911.8 | 100632.1 | S |
| 188.750 | 0.0000 | 0.0000 | 84.299 | 0.04182 | 0.00000 | 316523.1 | 212913.0 | 100632.1 | S |
| 188.758 | 0.0000 | 0.0000 | 84.299 | 0.04182 | 0.00000 | 316523.1 | 212914.3 | 100632.1 | S |
| 188.767 | 0.0000 | 0.0000 | 84.299 | 0.04182 | 0.00000 | 316523.1 | 212915.6 | 100632.1 | S |
| 188.775 | 0.0000 | 0.0000 | 84.298 | 0.04181 | 0.00000 | 316523.1 | 212916.8 | 100632.1 | S |
| 188.783 | 0.0000 | 0.0000 | 84.298 | 0.04181 | 0.00000 | 316523.1 | 212918.1 | 100632.1 | S |
| 188.792 | 0.0000 | 0.0000 | 84.298 | 0.04181 | 0.00000 | 316523.1 | 212919.3 | 100632.1 | S |
| 188.800 | 0.0000 | 0.0000 | 84.298 | 0.04180 | 0.00000 | 316523.1 | 212920.6 | 100632.1 | S |
| 188.808 | 0.0000 | 0.0000 | 84.298 | 0.04180 | 0.00000 | 316523.1 | 212921.8 | 100632.1 | S |
| 188.817 | 0.0000 | 0.0000 | 84.298 | 0.04179 | 0.00000 | 316523.1 | 212923.1 | 100632.1 | S |
| 188.825 | 0.0000 | 0.0000 | 84.298 | 0.04179 | 0.00000 | 316523.1 | 212924.3 | 100632.1 | S |
| 188.833 | 0.0000 | 0.0000 | 84.298 | 0.04179 | 0.00000 | 316523.1 | 212925.6 | 100632.1 | S |
| 188.842 | 0.0000 | 0.0000 | 84.297 | 0.04178 | 0.00000 | 316523.1 | 212926.8 | 100632.1 | S |
| 188.850 | 0.0000 | 0.0000 | 84.297 | 0.04178 | 0.00000 | 316523.1 | 212928.1 | 100632.1 | S |
| 188.858 | 0.0000 | 0.0000 | 84.297 | 0.04178 | 0.00000 | 316523.1 | 212929.3 | 100632.1 | S |
| 188.867 | 0.0000 | 0.0000 | 84.297 | 0.04177 | 0.00000 | 316523.1 | 212930.6 | 100632.1 | S |
| 188.875 | 0.0000 | 0.0000 | 84.297 | 0.04177 | 0.00000 | 316523.1 | 212931.9 | 100632.1 | S |
| 188.883 | 0.0000 | 0.0000 | 84.297 | 0.04177 | 0.00000 | 316523.1 | 212933.1 | 100632.1 | S |
| 188.892 | 0.0000 | 0.0000 | 84.297 | 0.04176 | 0.00000 | 316523.1 | 212934.4 | 100632.1 | S |
| 188.900 | 0.0000 | 0.0000 | 84.297 | 0.04176 | 0.00000 | 316523.1 | 212935.6 | 100632.1 | S |
| 188.908 | 0.0000 | 0.0000 | 84.297 | 0.04175 | 0.00000 | 316523.1 | 212936.9 | 100632.1 | S |
| 188.917 | 0.0000 | 0.0000 | 84.296 | 0.04175 | 0.00000 | 316523.1 | 212938.1 | 100632.1 | S |
| 188.925 | 0.0000 | 0.0000 | 84.296 | 0.04175 | 0.00000 | 316523.1 | 212939.4 | 100632.1 | S |
| 188.933 | 0.0000 | 0.0000 | 84.296 | 0.04174 | 0.00000 | 316523.1 | 212940.6 | 100632.1 | S |
| 188.942 | 0.0000 | 0.0000 | 84.296 | 0.04174 | 0.00000 | 316523.1 | 212941.9 | 100632.1 | S |
| 188.950 | 0.0000 | 0.0000 | 84.296 | 0.04174 | 0.00000 | 316523.4 | 212943.1 | 100632.1 | S |
| 188.958 | 0.0000 | 0.0000 | 84.296 | 0.04173 | 0.00000 | 316523.7 | 212944.4 | 100632.1 | S |
| 188.967 | 0.0000 | 0.0000 | 84.296 | 0.04173 | 0.00000 | 316523.1 | 212945.6 | 100632.7 | S |
| 188.975 | 0.0000 | 0.0000 | 84.296 | 0.04173 | 0.00000 | 316523.1 | 212946.9 | 100632.1 | S |
| 188.983 | 0.0000 | 0.0000 | 84.295 | 0.04172 | 0.00000 | 316523.1 | 212948.1 | 100632.1 | S |
| 188.992 | 0.0000 | 0.0000 | 84.295 | 0.04172 | 0.00000 | 316523.1 | 212949.4 | 100632.1 | S |
| 189.000 | 0.0000 | 0.0000 | 84.295 | 0.04171 | 0.00000 | 316523.1 | 212950.6 | 100632.1 | S |
| 189.008 | 0.0000 | 0.0000 | 84.295 | 0.04171 | 0.00000 | 316523.1 | 212951.9 | 100632.1 | S |
| 189.017 | 0.0000 | 0.0000 | 84.295 | 0.04171 | 0.00000 | 316523.1 | 212953.1 | 100632.1 | S |
| 189.025 | 0.0000 | 0.0000 | 84.295 | 0.04170 | 0.00000 | 316523.1 | 212954.4 | 100632.1 | S |
| 189.033 | 0.0000 | 0.0000 | 84.295 | 0.04170 | 0.00000 | 316523.1 | 212955.6 | 100632.1 | S |
| 189.042 | 0.0000 | 0.0000 | 84.295 | 0.04170 | 0.00000 | 316523.1 | 212956.9 | 100632.1 | S |
| 189.050 | 0.0000 | 0.0000 | 84.295 | 0.04169 | 0.00000 | 316523.1 | 212958.1 | 100632.1 | S |
| 189.058 | 0.0000 | 0.0000 | 84.294 | 0.04169 | 0.00000 | 316523.1 | 212959.4 | 100632.1 | S |
| 189.067 | 0.0000 | 0.0000 | 84.294 | 0.04169 | 0.00000 | 316523.1 | 212960.7 | 100632.1 | S |
| 189.075 | 0.0000 | 0.0000 | 84.294 | 0.04168 | 0.00000 | 316523.1 | 212961.9 | 100632.1 | S |
| 189.083 | 0.0000 | 0.0000 | 84.294 | 0.04168 | 0.00000 | 316523.1 | 212963.2 | 100632.1 | S |
| 189.092 | 0.0000 | 0.0000 | 84.294 | 0.04167 | 0.00000 | 316523.1 | 212964.4 | 100632.1 | S |
| 189.100 | 0.0000 | 0.0000 | 84.294 | 0.04167 | 0.00000 | 316523.1 | 212965.7 | 100632.1 | S |
| 189.108 | 0.0000 | 0.0000 | 84.294 | 0.04167 | 0.00000 | 316523.1 | 212966.9 | 100632.1 | S |
| 189.117 | 0.0000 | 0.0000 | 84.294 | 0.04166 | 0.00000 | 316523.1 | 212968.2 | 100632.1 | S |
| 189.125 | 0.0000 | 0.0000 | 84.293 | 0.04166 | 0.00000 | 316523.1 | 212969.4 | 100632.1 | S |
| 189.133 | 0.0000 | 0.0000 | 84.293 | 0.04166 | 0.00000 | 316523.1 | 212970.7 | 100632.1 | S |
| 189.142 | 0.0000 | 0.0000 | 84.293 | 0.04165 | 0.00000 | 316523.1 | 212971.9 | 100632.1 | S |
| 189.150 | 0.0000 | 0.0000 | 84.293 | 0.04165 | 0.00000 | 316523.1 | 212973.2 | 100632.1 | S |
| 189.158 | 0.0000 | 0.0000 | 84.293 | 0.04165 | 0.00000 | 316523.1 | 212974.4 | 100632.1 | S |
| 189.167 | 0.0000 | 0.0000 | 84.293 | 0.04164 | 0.00000 | 316523.1 | 212975.6 | 100632.1 | S |
| 189.175 | 0.0000 | 0.0000 | 84.293 | 0.04164 | 0.00000 | 316523.1 | 212976.9 | 100632.1 | S |
| 189.183 | 0.0000 | 0.0000 | 84.293 | 0.04164 | 0.00000 | 316523.1 | 212978.1 | 100632.1 | S |
| 189.192 | 0.0000 | 0.0000 | 84.293 | 0.04163 | 0.00000 | 316523.1 | 212979.4 | 100632.1 | S |
| 189.200 | 0.0000 | 0.0000 | 84.292 | 0.04163 | 0.00000 | 316523.1 | 212980.6 | 100632.1 | S |
| 189.208 | 0.0000 | 0.0000 | 84.292 | 0.04162 | 0.00000 | 316523.1 | 212981.9 | 100632.1 | S |
| 189.217 | 0.0000 | 0.0000 | 84.292 | 0.04162 | 0.00000 | 316523.1 | 212983.1 | 100632.1 | S |
| 189.225 | 0.0000 | 0.0000 | 84.292 | 0.04162 | 0.00000 | 316523.1 | 212984.4 | 100632.1 | S |
| 189.233 | 0.0000 | 0.0000 | 84.292 | 0.04161 | 0.00000 | 316523.1 | 212985.6 | 100632.1 | S |
| 189.242 | 0.0000 | 0.0000 | 84.292 | 0.04161 | 0.00000 | 316523.1 | 212986.9 | 100632.1 | S |
| 189.250 | 0.0000 | 0.0000 | 84.292 | 0.04161 | 0.00000 | 316523.1 | 212988.1 | 100632.1 | S |
| 189.258 | 0.0000 | 0.0000 | 84.292 | 0.04160 | 0.00000 | 316523.1 | 212989.4 | 100632.1 | S |
| 189.267 | 0.0000 | 0.0000 | 84.291 | 0.04160 | 0.00000 | 316523.1 | 212990.6 | 100632.1 | S |
| 189.275 | 0.0000 | 0.0000 | 84.291 | 0.04160 | 0.00000 | 316523.1 | 212991.9 | 100632.1 | S |
| 189.283 | 0.0000 | 0.0000 | 84.291 | 0.04159 | 0.00000 | 316523.1 | 212993.1 | 100632.1 | S |
| 189.292 | 0.0000 | 0.0000 | 84.291 | 0.04159 | 0.00000 | 316523.1 | 212994.4 | 100632.1 | S |
| 189.300 | 0.0000 | 0.0000 | 84.291 | 0.04158 | 0.00000 | 316523.1 | 212995.6 | 100632.1 | S |
| 189.308 | 0.0000 | 0.0000 | 84.291 | 0.04158 | 0.00000 | 316523.1 | 212996.9 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate (f $\mathrm{fl}^{3 / \mathrm{s}}$ ) | Outside Recharge (f/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Overlow Discharge $\left(\mathrm{ft}^{3} / \mathrm{s}\right)$ | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infilitration Volume ( $\mathrm{t}^{3}$ ) | Cumulative Discharge Volume (ft ${ }^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 189.317 | 0.0000 | 0.0000 | 84.291 | 0.04158 | 0.00000 | 316523.1 | 212998.1 | 100632.1 | S |
| 189.325 | 0.0000 | 0.0000 | 84.291 | 0.04157 | 0.00000 | 316523.1 | 212999.4 | 100632.1 | S |
| 189.333 | 0.0000 | 0.0000 | 84.291 | 0.04157 | 0.00000 | 316523.1 | 213000.6 | 100632.1 | S |
| 189.342 | 0.0000 | 0.0000 | 84.290 | 0.04157 | 0.00000 | 316523.1 | 213001.9 | 100632.1 | S |
| 189.350 | 0.0000 | 0.0000 | 84.290 | 0.04156 | 0.00000 | 316523.1 | 213003.1 | 100632.1 | S |
| 189.358 | 0.0000 | 0.0000 | 84.290 | 0.04156 | 0.00000 | 316523.1 | 213004.4 | 100632.1 | S |
| 189.367 | 0.0000 | 0.0000 | 84.290 | 0.04156 | 0.00000 | 316523.1 | 213005.6 | 100632.1 | S |
| 189.375 | 0.0000 | 0.0000 | 84.290 | 0.04155 | 0.00000 | 316523.1 | 213006.8 | 100632.1 | S |
| 189.383 | 0.0000 | 0.0000 | 84.290 | 0.04155 | 0.00000 | 316523.1 | 213008.1 | 100632.1 | 5 |
| 189.392 | 0.0000 | 0.0000 | 84.290 | 0.04155 | 0.00000 | 316523.1 | 213009.3 | 100632.1 | S |
| 189.400 | 0.0000 | 0.0000 | 84.290 | 0.04154 | 0.00000 | 316523.1 | 213010.6 | 100632.1 | S |
| 189.408 | 0.0000 | 0.0000 | 84.289 | 0.04154 | 0.00000 | 316523.1 | 213011.8 | 100632.1 | S |
| 189.417 | 0.0000 | 0.0000 | 84.289 | 0.04153 | 0.00000 | 316523.1 | 213013.1 | 100632.1 | 5 |
| 189.425 | 0.0000 | 0.0000 | 84.289 | 0.04153 | 0.00000 | 316523.1 | 213014.3 | 100632.1 | S |
| 189.433 | 0.0000 | 0.0000 | 84.289 | 0.04153 | 0.00000 | 316523.1 | 213015.6 | 100632.1 | S |
| 189.442 | 0.0000 | 0.0000 | 84.289 | 0.04152 | 0.00000 | 316523.1 | 213016.8 | 100632.1 | S |
| 189.450 | 0.0000 | 0.0000 | 84.289 | 0.04152 | 0.00000 | 316523.1 | 213018.1 | 100632.1 | 5 |
| 189.458 | 0.0000 | 0.0000 | 84.289 | 0.04152 | 0.00000 | 316523.1 | 213019.3 | 100632.1 | S |
| 189.467 | 0.0000 | 0.0000 | 84.289 | 0.04151 | 0.00000 | 316523.1 | 213020.5 | 100632.1 | S |
| 189.475 | 0.0000 | 0.0000 | 84.288 | 0.04151 | 0.00000 | 316523.1 | 213021.8 | 100632.1 | S |
| 189.483 | 0.0000 | 0.0000 | 84.288 | 0.04151 | 0.00000 | 316523.1 | 213023.0 | 100632.1 | S |
| 189.492 | 0.0000 | 0.0000 | 84.288 | 0.04150 | 0.00000 | 316523.1 | 213024.3 | 100632.1 | S |
| 189.500 | 0.0000 | 0.0000 | 84.288 | 0.04150 | 0.00000 | 316523.1 | 213025.5 | 100632.1 | S |
| 189.508 | 0.0000 | 0.0000 | 84.288 | 0.04149 | 0.00000 | 316523.1 | 213026.8 | 100632.1 | S |
| 189.517 | 0.0000 | 0.0000 | 84.288 | 0.04149 | 0.00000 | 316523.1 | 213028.0 | 100632.1 | S |
| 189.525 | 0.0000 | 0.0000 | 84.288 | 0.04149 | 0.00000 | 316523.1 | 213029.3 | 100632.1 | S |
| 189.533 | 0.0000 | 0.0000 | 84.288 | 0.04148 | 0.00000 | 316523.1 | 213030.5 | 100632.1 | S |
| 189.542 | 0.0000 | 0.0000 | 84.288 | 0.04148 | 0.00000 | 316523.1 | 213031.8 | 100632.1 | S |
| 189.550 | 0.0000 | 0.0000 | 84.287 | 0.04148 | 0.00000 | 316523.1 | 213033.0 | 100632.1 | S |
| 189.558 | 0.0000 | 0.0000 | 84.287 | 0.04147 | 0.00000 | 316523.1 | 213034.3 | 100632.1 | S |
| 189.567 | 0.0000 | 0.0000 | 84.287 | 0.04147 | 0.00000 | 316523.1 | 213035.5 | 100632.1 | S |
| 189.575 | 0.0000 | 0.0000 | 84.287 | 0.04147 | 0.00000 | 316523.1 | 213036.7 | 100632.1 | S |
| 189.583 | 0.0000 | 0.0000 | 84.287 | 0.04146 | 0.00000 | 316523.1 | 213038.0 | 100632.1 | S |
| 189.592 | 0.0000 | 0.0000 | 84.287 | 0.04146 | 0.00000 | 316523.1 | 213039.2 | 100632.1 | S |
| 189.600 | 0.0000 | 0.0000 | 84.287 | 0.04146 | 0.00000 | 316523.1 | 213040.5 | 100632.1 | S |
| 189.608 | 0.0000 | 0.0000 | 84.287 | 0.04145 | 0.00000 | 316523.1 | 213041.7 | 100632.1 | S |
| 189.617 | 0.0000 | 0.0000 | 84.286 | 0.04145 | 0.00000 | 316523.1 | 213043.0 | 100632.1 | S |
| 189.625 | 0.0000 | 0.0000 | 84.286 | 0.04144 | 0.00000 | 316523.1 | 213044.2 | 100632.1 | S |
| 189.633 | 0.0000 | 0.0000 | 84.286 | 0.04144 | 0.00000 | 316523.1 | 213045.4 | 100632.1 | S |
| 189.642 | 0.0000 | 0.0000 | 84.286 | 0.04144 | 0.00000 | 316523.1 | 213046.7 | 100632.1 | S |
| 189.650 | 0.0000 | 0.0000 | 84.286 | 0.04143 | 0.00000 | 316523.1 | 213047.9 | 100632.1 | S |
| 189.658 | 0.0000 | 0.0000 | 84.286 | 0.04143 | 0.00000 | 316523.1 | 213049.2 | 100632.1 | S |
| 189.667 | 0.0000 | 0.0000 | 84.286 | 0.04143 | 0.00000 | 316523.1 | 213050.4 | 100632.1 | S |
| 189.675 | 0.0000 | 0.0000 | 84.286 | 0.04142 | 0.00000 | 316523.1 | 213051.7 | 100632.1 | S |
| 189.683 | 0.0000 | 0.0000 | 84.286 | 0.04142 | 0.00000 | 316523.1 | 213052.9 | 100632.1 | S |
| 189.692 | 0.0000 | 0.0000 | 84.285 | 0.04142 | 0.00000 | 316523.1 | 213054.1 | 100632.1 | S |
| 189.700 | 0.0000 | 0.0000 | 84.285 | 0.04141 | 0.00000 | 316523.1 | 213055.4 | 100632.1 | S |
| 189.708 | 0.0000 | 0.0000 | 84.285 | 0.04141 | 0.00000 | 316523.1 | 213056.6 | 100632.1 | S |
| 189.717 | 0.0000 | 0.0000 | 84.285 | 0.04141 | 0.00000 | 316523.1 | 213057.9 | 100632.1 | S |
| 189.725 | 0.0000 | 0.0000 | 84.285 | 0.04140 | 0.00000 | 316523.1 | 213059.1 | 100632.1 | S |
| 189.733 | 0.0000 | 0.0000 | 84.285 | 0.04140 | 0.00000 | 316523.1 | 213060.3 | 100632.1 | S |
| 189.742 | 0.0000 | 0.0000 | 84.285 | 0.04139 | 0.00000 | 316523.1 | 213061.6 | 100632.1 | S |
| 189.750 | 0.0000 | 0.0000 | 84.285 | 0.04139 | 0.00000 | 316523.1 | 213062.8 | 100632.1 | S |
| 189.758 | 0.0000 | 0.0000 | 84.284 | 0.04139 | 0.00000 | 316523.1 | 213064.1 | 100632.1 | S |
| 189.767 | 0.0000 | 0.0000 | 84.284 | 0.04138 | 0.00000 | 316523.1 | 213065.3 | 100632.1 | S |
| 189.775 | 0.0000 | 0.0000 | 84.284 | 0.04138 | 0.00000 | 316523.1 | 213066.6 | 100632.1 | S |
| 189.783 | 0.0000 | 0.0000 | 84.284 | 0.04138 | 0.00000 | 316523.1 | 213067.8 | 100632.1 | S |
| 189.792 | 0.0000 | 0.0000 | 84.284 | 0.04137 | 0.00000 | 316523.1 | 213069.0 | 100632.1 | S |
| 189.800 | 0.0000 | 0.0000 | 84.284 | 0.04137 | 0.00000 | 316523.1 | 213070.3 | 100632.1 | S |
| 189.808 | 0.0000 | 0.0000 | 84.284 | 0.04137 | 0.00000 | 316523.1 | 213071.5 | 100632.1 | S |
| 189.817 | 0.0000 | 0.0000 | 84.284 | 0.04136 | 0.00000 | 316523.1 | 213072.8 | 100632.1 | S |
| 189.825 | 0.0000 | 0.0000 | 84.284 | 0.04136 | 0.00000 | 316523.1 | 213074.0 | 100632.1 | S |
| 189.833 | 0.0000 | 0.0000 | 84.283 | 0.04135 | 0.00000 | 316523.1 | 213075.3 | 100632.1 | S |
| 189.842 | 0.0000 | 0.0000 | 84.283 | 0.04135 | 0.00000 | 316523.1 | 213076.5 | 100632.1 | S |
| 189.850 | 0.0000 | 0.0000 | 84.283 | 0.04135 | 0.00000 | 316523.1 | 213077.7 | 100632.1 | S |
| 189.858 | 0.0000 | 0.0000 | 84.283 | 0.04134 | 0.00000 | 316523.1 | 213079.0 | 100632.1 | S |
| 189.867 | 0.0000 | 0.0000 | 84.283 | 0.04134 | 0.00000 | 316523.1 | 213080.2 | 100632.1 | S |
| 189.875 | 0.0000 | 0.0000 | 84.283 | 0.04134 | 0.00000 | 316523.1 | 213081.5 | 100632.1 | S |
| 189.883 | 0.0000 | 0.0000 | 84.283 | 0.04133 | 0.00000 | 316523.1 | 213082.7 | 100632.1 | S |
| 189.892 | 0.0000 | 0.0000 | 84.283 | 0.04133 | 0.00000 | 316523.1 | 213083.9 | 100632.1 | S |
| 189.900 | 0.0000 | 0.0000 | 84.282 | 0.04133 | 0.00000 | 316523.1 | 213085.2 | 100632.1 | S |
| 189.908 | 0.0000 | 0.0000 | 84.282 | 0.04132 | 0.00000 | 316523.1 | 213086.4 | 100632.1 | S |
| 189.917 | 0.0000 | 0.0000 | 84.282 | 0.04132 | 0.00000 | 316523.1 | 213087.6 | 100632.1 | S |
| 189.925 | 0.0000 | 0.0000 | 84.282 | 0.04132 | 0.00000 | 316523.1 | 213088.9 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 189.933 | 0.0000 | 0.0000 | 84.282 | 0.04131 | 0.00000 | 316523.1 | 213090.1 | 100632.1 | S |
| 189.942 | 0.0000 | 0.0000 | 84.282 | 0.04131 | 0.00000 | 316523.1 | 213091.4 | 100632.1 | S |
| 189.950 | 0.0000 | 0.0000 | 84.282 | 0.04130 | 0.00000 | 316523.1 | 213092.6 | 100632.1 | S |
| 189.958 | 0.0000 | 0.0000 | 84.282 | 0.04130 | 0.00000 | 316523.1 | 213093.8 | 100632.1 | S |
| 189.967 | 0.0000 | 0.0000 | 84.282 | 0.04130 | 0.00000 | 316523.1 | 213095.1 | 100632.1 | S |
| 189.975 | 0.0000 | 0.0000 | 84.281 | 0.04129 | 0.00000 | 316523.1 | 213096.3 | 100632.1 | S |
| 189.983 | 0.0000 | 0.0000 | 84.281 | 0.04129 | 0.00000 | 316523.1 | 213097.6 | 100632.1 | S |
| 189.992 | 0.0000 | 0.0000 | 84.281 | 0.04129 | 0.00000 | 316523.1 | 213098.8 | 100632.1 | S |
| 190.000 | 0.0000 | 0.0000 | 84.281 | 0.04128 | 0.00000 | 316523.1 | 213100.0 | 100632.1 | S |
| 190.008 | 0.0000 | 0.0000 | 84.281 | 0.04128 | 0.00000 | 316523.1 | 213101.3 | 100632.1 | S |
| 190.017 | 0.0000 | 0.0000 | 84.281 | 0.04128 | 0.00000 | 316523.1 | 213102.5 | 100632.1 | S |
| 190.025 | 0.0000 | 0.0000 | 84.281 | 0.04127 | 0.00000 | 316523.1 | 213103.8 | 100632.1 | S |
| 190.033 | 0.0000 | 0.0000 | 84.281 | 0.04127 | 0.00000 | 316523.1 | 213105.0 | 100632.1 | S |
| 190.042 | 0.0000 | 0.0000 | 84.280 | 0.04127 | 0.00000 | 316523.1 | 213106.2 | 100632.1 | S |
| 190.050 | 0.0000 | 0.0000 | 84.280 | 0.04126 | 0.00000 | 316523.1 | 213107.5 | 100632.1 | S |
| 190.058 | 0.0000 | 0.0000 | 84.280 | 0.04126 | 0.00000 | 316523.1 | 213108.7 | 100632.1 | S |
| 190.067 | 0.0000 | 0.0000 | 84.280 | 0.04125 | 0.00000 | 316523.1 | 213109.9 | 100632.1 | S |
| 190.075 | 0.0000 | 0.0000 | 84.280 | 0.04125 | 0.00000 | 316523.1 | 213111.2 | 100632.1 | S |
| 190.083 | 0.0000 | 0.0000 | 84.280 | 0.04125 | 0.00000 | 316523.1 | 213112.4 | 100632.1 | S |
| 190.092 | 0.0000 | 0.0000 | 84.280 | 0.04124 | 0.00000 | 316523.1 | 213113.7 | 100632.1 | S |
| 190.100 | 0.0000 | 0.0000 | 84.280 | 0.04124 | 0.00000 | 316523.1 | 213114.9 | 100632.1 | S |
| 190.108 | 0.0000 | 0.0000 | 84.280 | 0.04124 | 0.00000 | 316523.1 | 213116.1 | 100632.1 | S |
| 190.117 | 0.0000 | 0.0000 | 84.279 | 0.04123 | 0.00000 | 316523.1 | 213117.4 | 100632.1 | S |
| 190.125 | 0.0000 | 0.0000 | 84.279 | 0.04123 | 0.00000 | 316523.1 | 213118.6 | 100632.1 | S |
| 190.133 | 0.0000 | 0.0000 | 84.279 | 0.04123 | 0.00000 | 316523.1 | 213119.8 | 100632.1 | S |
| 190.142 | 0.0000 | 0.0000 | 84.279 | 0.04122 | 0.00000 | 316523.1 | 213121.1 | 100632.1 | S |
| 190.150 | 0.0000 | 0.0000 | 84.279 | 0.04122 | 0.00000 | 316523.1 | 213122.3 | 100632.1 | S |
| 190.158 | 0.0000 | 0.0000 | 84.279 | 0.04122 | 0.00000 | 316523.1 | 213123.5 | 100632.1 | S |
| 190.167 | 0.0000 | 0.0000 | 84.279 | 0.04121 | 0.00000 | 316523.1 | 213124.8 | 100632.1 | S |
| 190.175 | 0.0000 | 0.0000 | 84.279 | 0.04121 | 0.00000 | 316523.1 | 213126.0 | 100632.1 | S |
| 190.183 | 0.0000 | 0.0000 | 84.278 | 0.04120 | 0.00000 | 316523.1 | 213127.3 | 100632.1 | S |
| 190.192 | 0.0000 | 0.0000 | 84.278 | 0.04120 | 0.00000 | 316523.1 | 213128.5 | 100632.1 | S |
| 190.200 | 0.0000 | 0.0000 | 84.278 | 0.04120 | 0.00000 | 316523.1 | 213129.7 | 100632.1 | S |
| 190.208 | 0.0000 | 0.0000 | 84.278 | 0.04119 | 0.00000 | 316523.1 | 213131.0 | 100632.1 | S |
| 190.217 | 0.0000 | 0.0000 | 84.278 | 0.04119 | 0.00000 | 316523.1 | 213132.2 | 100632.1 | S |
| 190.225 | 0.0000 | 0.0000 | 84.278 | 0.04119 | 0.00000 | 316523.1 | 213133.4 | 100632.1 | S |
| 190.233 | 0.0000 | 0.0000 | 84.278 | 0.04118 | 0.00000 | 316523.1 | 213134.7 | 100632.1 | S |
| 190.242 | 0.0000 | 0.0000 | 84.278 | 0.04118 | 0.00000 | 316523.1 | 213135.9 | 100632.1 | S |
| 190.250 | 0.0000 | 0.0000 | 84.278 | 0.04118 | 0.00000 | 316523.1 | 213137.1 | 100632.1 | S |
| 190.258 | 0.0000 | 0.0000 | 84.277 | 0.04117 | 0.00000 | 316523.1 | 213138.4 | 100632.1 | S |
| 190.267 | 0.0000 | 0.0000 | 84.277 | 0.04117 | 0.00000 | 316523.1 | 213139.6 | 100632.1 | S |
| 190.275 | 0.0000 | 0.0000 | 84.277 | 0.04117 | 0.00000 | 316523.1 | 213140.8 | 100632.1 | S |
| 190.283 | 0.0000 | 0.0000 | 84.277 | 0.04116 | 0.00000 | 316523.1 | 213142.1 | 100632.1 | S |
| 190.292 | 0.0000 | 0.0000 | 84.277 | 0.04116 | 0.00000 | 316523.1 | 213143.3 | 100632.1 | S |
| 190.300 | 0.0000 | 0.0000 | 84.277 | 0.04116 | 0.00000 | 316523.1 | 213144.5 | 100632.1 | S |
| 190.308 | 0.0000 | 0.0000 | 84.277 | 0.04115 | 0.00000 | 316523.1 | 213145.8 | 100632.1 | S |
| 190.317 | 0.0000 | 0.0000 | 84.277 | 0.04115 | 0.00000 | 316523.1 | 213147.0 | 100632.1 | S |
| 190.325 | 0.0000 | 0.0000 | 84.276 | 0.04114 | 0.00000 | 316523.1 | 213148.3 | 100632.1 | S |
| 190.333 | 0.0000 | 0.0000 | 84.276 | 0.04114 | 0.00000 | 316523.1 | 213149.5 | 100632.1 | S |
| 190.342 | 0.0000 | 0.0000 | 84.276 | 0.04114 | 0.00000 | 316523.1 | 213150.7 | 100632.1 | S |
| 190.350 | 0.0000 | 0.0000 | 84.276 | 0.04113 | 0.00000 | 316523.1 | 213152.0 | 100632.1 | S |
| 190.358 | 0.0000 | 0.0000 | 84.276 | 0.04113 | 0.00000 | 316523.1 | 213153.2 | 100632.1 | S |
| 190.367 | 0.0000 | 0.0000 | 84.276 | 0.04113 | 0.00000 | 316523.1 | 213154.4 | 100632.1 | S |
| 190.375 | 0.0000 | 0.0000 | 84.276 | 0.04112 | 0.00000 | 316523.1 | 213155.7 | 100632.1 | S |
| 190.383 | 0.0000 | 0.0000 | 84.276 | 0.04112 | 0.00000 | 316523.1 | 213156.9 | 100632.1 | S |
| 190.392 | 0.0000 | 0.0000 | 84.276 | 0.04112 | 0.00000 | 316523.1 | 213158.1 | 100632.1 | S |
| 190.400 | 0.0000 | 0.0000 | 84.275 | 0.04111 | 0.00000 | 316523.1 | 213159.4 | 100632.1 | S |
| 190.408 | 0.0000 | 0.0000 | 84.275 | 0.04111 | 0.00000 | 316523.1 | 213160.6 | 100632.1 | S |
| 190.417 | 0.0000 | 0.0000 | 84.275 | 0.04111 | 0.00000 | 316523.1 | 213161.8 | 100632.1 | S |
| 190.425 | 0.0000 | 0.0000 | 84.275 | 0.04110 | 0.00000 | 316523.1 | 213163.1 | 100632.1 | S |
| 190.433 | 0.0000 | 0.0000 | 84.275 | 0.04110 | 0.00000 | 316523.1 | 213164.3 | 100632.1 | S |
| 190.442 | 0.0000 | 0.0000 | 84.275 | 0.04109 | 0.00000 | 316523.1 | 213165.5 | 100632.1 | S |
| 190.450 | 0.0000 | 0.0000 | 84.275 | 0.04109 | 0.00000 | 316523.1 | 213166.8 | 100632.1 | S |
| 190.458 | 0.0000 | 0.0000 | 84.275 | 0.04109 | 0.00000 | 316523.1 | 213168.0 | 100632.1 | S |
| 190.467 | 0.0000 | 0.0000 | 84.274 | 0.04108 | 0.00000 | 316523.1 | 213169.2 | 100632.1 | S |
| 190.475 | 0.0000 | 0.0000 | 84.274 | 0.04108 | 0.00000 | 316523.1 | 213170.5 | 100632.1 | S |
| 190.483 | 0.0000 | 0.0000 | 84.274 | 0.04108 | 0.00000 | 316523.1 | 213171.7 | 100632.1 | S |
| 190.492 | 0.0000 | 0.0000 | 84.274 | 0.04107 | 0.00000 | 316523.1 | 213172.9 | 100632.1 | S |
| 190.500 | 0.0000 | 0.0000 | 84.274 | 0.04107 | 0.00000 | 316523.1 | 213174.2 | 100632.1 | S |
| 190.508 | 0.0000 | 0.0000 | 84.274 | 0.04107 | 0.00000 | 316523.1 | 213175.4 | 100632.1 | S |
| 190.517 | 0.0000 | 0.0000 | 84.274 | 0.04106 | 0.00000 | 316523.1 | 213176.6 | 100632.1 | S |
| 190.525 | 0.0000 | 0.0000 | 84.274 | 0.04106 | 0.00000 | 316523.1 | 213177.8 | 100632.1 | S |
| 190.533 | 0.0000 | 0.0000 | 84.274 | 0.04106 | 0.00000 | 316523.1 | 213179.1 | 100632.1 | S |
| 190.542 | 0.0000 | 0.0000 | 84.273 | 0.04105 | 0.00000 | 316523.1 | 213180.3 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate (ft3/s) | Outside Recharge (ft/day) | Stage Elevation (ft daturn) | Infiltration Rate ( $\mathrm{ft}^{3 / 1 /}$ ) | Overflow Discharge ( $\mathrm{HI}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 190.550 | 0.0000 | 0.0000 | 84.273 | 0.04105 | 0.00000 | 316523.1 | 213181.5 | 100632.1 | S |
| 190.558 | 0.0000 | 0.0000 | 84.273 | 0.04104 | 0.00000 | 316523.1 | 213182.8 | 100632.1 | S |
| 190.567 | 0.0000 | 0.0000 | 84.273 | 0.04104 | 0.00000 | 316523.1 | 213184.0 | 100632.1 | S |
| 190.575 | 0.0000 | 0.0000 | 84.273 | 0.04104 | 0.00000 | 316523.1 | 213185.2 | 100632.1 | S |
| 190.583 | 0.0000 | 0.0000 | 84.273 | 0.04103 | 0.00000 | 316523.1 | 213186.5 | 100632.1 | S |
| 190.592 | 0.0000 | 0.0000 | 84.273 | 0.04103 | 0.00000 | 316523.1 | 213187.7 | 100632.1 | S |
| 190.600 | 0.0000 | 0.0000 | 84.273 | 0.04103 | 0.00000 | 316523.1 | 213188.9 | 100632.1 | S |
| 190.608 | 0.0000 | 0.0000 | 84.272 | 0.04102 | 0.00000 | 316523.1 | 213190.2 | 100632.1 | S |
| 190.617 | 0.0000 | 0.0000 | 84.272 | 0.04102 | 0.00000 | 316523.1 | 213191.4 | 100632.1 | S |
| 190.625 | 0.0000 | 0.0000 | 84.272 | 0.04102 | 0.00000 | 316523.1 | 213192.6 | 100632.1 | S |
| 190.633 | 0.0000 | 0.0000 | 84.272 | 0.04101 | 0.00000 | 316523.1 | 213193.9 | 100632.1 | S |
| 190.642 | 0.0000 | 0.0000 | 84.272 | 0.04101 | 0.00000 | 316523.1 | 213195.1 | 100632.1 | S |
| 190.650 | 0.0000 | 0.0000 | 84.272 | 0.04101 | 0.00000 | 316523.1 | 213196.3 | 100632.1 | S |
| 190.658 | 0.0000 | 0.0000 | 84.272 | 0.04100 | 0.00000 | 316523.1 | 213197.5 | 100632.1 | S |
| 190.667 | 0.0000 | 0.0000 | 84.272 | 0.04100 | 0.00000 | 316523.1 | 213198.8 | 100632.1 | S |
| 190.675 | 0.0000 | 0.0000 | 84.272 | 0.04100 | 0.00000 | 316523.1 | 213200.0 | 100632.1 | S |
| 190.683 | 0.0000 | 0.0000 | 84.271 | 0.04099 | 0.00000 | 316523.1 | 213201.2 | 100632.1 | S |
| 190.692 | 0.0000 | 0.0000 | 84.271 | 0.04099 | 0.00000 | 316523.1 | 213202.5 | 100632.1 | S |
| 190.700 | 0.0000 | 0.0000 | 84.271 | 0.04098 | 0.00000 | 316523.1 | 213203.7 | 100632.1 | S |
| 190.708 | 0.0000 | 0.0000 | 84.271 | 0.04098 | 0.00000 | 316523.1 | 213204.9 | 100632.1 | S |
| 190.717 | 0.0000 | 0.0000 | 84.271 | 0.04098 | 0.00000 | 316523.1 | 213206.2 | 100632.1 | S |
| 190.725 | 0.0000 | 0.0000 | 84.271 | 0.04097 | 0.00000 | 316523.1 | 213207.4 | 100632.1 | S |
| 190.733 | 0.0000 | 0.0000 | 84.271 | 0.04097 | 0.00000 | 316523.1 | 213208.6 | 100632.1 | S |
| 190.742 | 0.0000 | 0.0000 | 84.271 | 0.04097 | 0.00000 | 316523.1 | 213209.8 | \{00632.1 | S |
| 190.750 | 0.0000 | 0.0000 | 84.270 | 0.04096 | 0.00000 | 316523.1 | 213211.1 | 100632.1 | S |
| 190.758 | 0.0000 | 0.0000 | 84.270 | 0.04096 | 0.00000 | 316523.1 | 213212.3 | 100632.1 | S |
| 190.767 | 0.0000 | 0.0000 | 84.270 | 0.04096 | 0.00000 | 316523.1 | 213213.5 | 100632.1 | S |
| 190.775 | 0.0000 | 0.0000 | 84.270 | 0.04095 | 0.00000 | 316523.1 | 213214.8 | 100632.1 | S |
| 190.783 | 0.0000 | 0.0000 | 84.270 | 0.04095 | 0.00000 | 316523.1 | 213216.0 | 100632.1 | S |
| 190.792 | 0.0000 | 0.0000 | 84.270 | 0.04095 | 0.00000 | 316523.1 | 213217.2 | 100632.1 | S |
| 190.800 | 0.0000 | 0.0000 | 84.270 | 0.04094 | 0.00000 | 316523.1 | 213218.4 | 100632.1 | S |
| 190.808 | 0.0000 | 0.0000 | 84.270 | 0.04094 | 0.00000 | 316523.1 | 213219.7 | 100632.1 | S |
| 190.817 | 0.0000 | 0.0000 | 84.270 | 0.04093 | 0.00000 | 316523.1 | 213220.9 | 100632.1 | S |
| 190.825 | 0.0000 | 0.0000 | 84.269 | 0.04093 | 0.00000 | 316523.1 | 213222.1 | 100632.1 | S |
| 190.833 | 0.0000 | 0.0000 | 84.269 | 0.04093 | 0.00000 | 316523.1 | 213223.4 | 100632.1 | S |
| 190.842 | 0.0000 | 0.0000 | 84.269 | 0.04092 | 0.00000 | 316523.1 | 213224.6 | 100632.1 | S |
| 190.850 | 0.0000 | 0.0000 | 84.269 | 0.04092 | 0.00000 | 316523.1 | 213225.8 | 100632.1 | S |
| 190.858 | 0.0000 | 0.0000 | 84.269 | 0.04092 | 0.00000 | 316523.1 | 213227.0 | 100632.1 | S |
| 190.867 | 0.0000 | 0.0000 | 84.269 | 0.04091 | 0.00000 | 316523.1 | 213228.3 | 100632.1 | 5 |
| 190.875 | 0.0000 | 0.0000 | 84.269 | 0.04091 | 0.00000 | 316523.1 | 213229.5 | 100632.1 | S |
| 190.883 | 0.0000 | 0.0000 | 84.269 | 0.04091 | 0.00000 | 316523.1 | 213230.7 | 100632.1 | S |
| 190.892 | 0.0000 | 0.0000 | 84.268 | 0.04090 | 0.00000 | 316523.1 | 213231.9 | 100632.1 | S |
| 190.900 | 0.0000 | 0.0000 | 84.268 | 0.04090 | 0.00000 | 316523.1 | 213233.2 | 100632.1 | S |
| 190.908 | 0.0000 | 0.0000 | 84.268 | 0.04090 | 0.00000 | 316523.1 | 213234.4 | 100632.1 | S |
| 190.917 | 0.0000 | 0.0000 | 84.268 | 0.04089 | 0.00000 | 316523.1 | 213235.6 | 100632.1 | S |
| 190.925 | 0.0000 | 0.0000 | 84.268 | 0.04089 | 0.00000 | 316523.1 | 213236.8 | 100632.1 | S |
| 190.933 | 0.0000 | 0.0000 | 84.268 | 0.04089 | 0.00000 | 316523.1 | 213238.1 | 100632.1 | S |
| 190.942 | 0.0000 | 0.0000 | 84.268 | 0.04088 | 0.00000 | 316523.1 | 213239.3 | 100632.1 | S |
| 190.950 | 0.0000 | 0.0000 | 84.268 | 0.04088 | 0.00000 | 316523.1 | 213240.5 | 100632.1 | S |
| 190.958 | 0.0000 | 0.0000 | 84.268 | 0.04087 | 0.00000 | 316523.1 | 213241.8 | 100632.1 | S |
| 190.967 | 0.0000 | 0.0000 | 84.267 | 0.04087 | 0.00000 | 316523.1 | 213243.0 | 100632.1 | S |
| 190.975 | 0.0000 | 0.0000 | 84.267 | 0.04087 | 0.00000 | 316523.1 | 213244.2 | 100632.1 | S |
| 190.983 | 0.0000 | 0.0000 | 84.267 | 0.04086 | 0.00000 | 316523.1 | 213245.4 | 100632.1 | 5 |
| 190.992 | 0.0000 | 0.0000 | 84.267 | 0.04086 | 0.00000 | 316523.1 | 213246.7 | 100632.1 | 5 |
| 191.000 | 0.0000 | 0.0000 | 84.267 | 0.04086 | 0.00000 | 316523.1 | 213247.9 | 100632.1 | S |
| 191.008 | 0.0000 | 0.0000 | 84.267 | 0.04085 | 0.00000 | 316523.1 | 213249.1 | 100632.1 | S |
| 191.017 | 0.0000 | 0.0000 | 84.267 | 0.04085 | 0.00000 | 316523.1 | 213250.3 | 100632.1 | S |
| 191.025 | 0.0000 | 0.0000 | 84.267 | 0.04085 | 0.00000 | 316523.1 | 213251.6 | 100632.1 | S |
| 191.033 | 0.0000 | 0.0000 | 84.266 | 0.04084 | 0.00000 | 316523.1 | 213252.8 | 100632.1 | S |
| 191.042 | 0.0000 | 0.0000 | 84.266 | 0.04084 | 0.00000 | 316523.1 | 213254.0 | 100632.1 | S |
| 191.050 | 0.0000 | 0.0000 | 84.266 | 0.04084 | 0.00000 | 316523.1 | 213255.2 | 100632.1 | S |
| 191.058 | 0.0000 | 0.0000 | 84.266 | 0.04083 | 0.00000 | 316523.1 | 213256.5 | 100632.1 | S |
| 191.067 | 0.0000 | 0.0000 | 84.266 | 0.04083 | 0.00000 | 316523.1 | 213257.7 | 100632.1 | S |
| 191.075 | 0.0000 | 0.0000 | 84.266 | 0.04083 | 0.00000 | 316523.1 | 213258.9 | 100632.1 | S |
| 191.083 | 0.0000 | 0.0000 | 84.266 | 0.04082 | 0.00000 | 316523.1 | 213260.1 | 100632.1 | S |
| 191.092 | 0.0000 | 0.0000 | 84.266 | 0.04082 | 0.00000 | 316523.1 | 213261.4 | 100632.1 | S |
| 191.100 | 0.0000 | 0.0000 | 84.266 | 0.04081 | 0.00000 | 316523.1 | 213262.6 | 100632.1 | S |
| 191.108 | 0.0000 | 0.0000 | 84.265 | 0.04081 | 0.00000 | 316523.1 | 213263.8 | 100632.1 | S |
| 191.117 | 0.0000 | 0.0000 | 84.265 | 0.04081 | 0.00000 | 316523.1 | 213265.0 | 100632.1 | S |
| 191.125 | 0.0000 | 0.0000 | 84.265 | 0.04080 | 0.00000 | 316523.1 | 213266.3 | 100632.1 | S |
| 191.133 | 0.0000 | 0.0000 | 84.265 | 0.04080 | 0.00000 | 316523.1 | 213267.5 | 100632.1 | S |
| 191.142 | 0.0000 | 0.0000 | 84.265 | 0.04080 | 0.00000 | 316523.1 | 213268.7 | 100632.1 | S |
| 191.150 | 0.0000 | 0.0000 | 84.265 | 0.04079 | 0.00000 | 316523.1 | 213269.9 | 100632.1 | S |
| 191.158 | 0.0000 | 0.0000 | 84.265 | 0.04079 | 0.00000 | 316523.1 | 213271.2 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (fiday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{fl}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 191.167 | 0.0000 | 0.0000 | 84.265 | 0.04079 | 0.00000 | 316523.1 | 213272.4 | 100632.1 | S |
| 191.175 | 0.0000 | 0.0000 | 84.264 | 0.04078 | 0.00000 | 316523.1 | 213273.6 | 100632.1 | S |
| 191.183 | 0.0000 | 0.0000 | 84.264 | 0.04078 | 0.00000 | 316523.1 | 213274.8 | 100632.1 | S |
| 191.192 | 0.0000 | 0.0000 | 84.264 | 0.04078 | 0.00000 | 316523.1 | 213276.0 | 100632.1 | S |
| 191.200 | 0.0000 | 0.0000 | 84.264 | 0.04077 | 0.00000 | 316523.1 | 213277.3 | 100632.1 | S |
| 191.208 | 0.0000 | 0.0000 | 84.264 | 0.04077 | 0.00000 | 316523.1 | 213278.5 | 100632.1 | S |
| 191.217 | 0.0000 | 0.0000 | 84.264 | 0.04077 | 0.00000 | 316523.7 | 213279.7 | 100632.1 | S |
| 191.225 | 0.0000 | 0.0000 | 84.264 | 0.04076 | 0.00000 | 316523.1 | 213280.9 | 100632.1 | S |
| 191.233 | 0.0000 | 0.0000 | 84.264 | 0.04076 | 0.00000 | 316523.1 | 213282.2 | 100632.1 | S |
| 191.242 | 0.0000 | 0.0000 | 84.264 | 0.04075 | 0.00000 | 316523.1 | 213283.4 | 100632.1 | S |
| 191.250 | 0.0000 | 0.0000 | 84.263 | 0.04075 | 0.00000 | 316523.1 | 213284.6 | 100632.1 | S |
| 191.258 | 0.0000 | 0.0000 | 84.263 | 0.04075 | 0.00000 | 316523.1 | 213285.8 | 100632.1 | S |
| 191.267 | 0.0000 | 0.0000 | 84.263 | 0.04074 | 0.00000 | 316523.1 | 213287.1 | 100632.1 | S |
| 191.275 | 0.0000 | 0.0000 | 84.263 | 0.04074 | 0.00000 | 316523.1 | 213288.3 | 100632.1 | S |
| 191.283 | 0.0000 | 0.0000 | 84.263 | 0.04074 | 0.00000 | 316523.1 | 213289.5 | 100632.1 | S |
| 191.292 | 0.0000 | 0.0000 | 84.263 | 0.04073 | 0.00000 | 316523.1 | 213290.7 | 100632.1 | S |
| 191.300 | 0.0000 | 0.0000 | 84.263 | 0.04073 | 0.00000 | 316523.1 | 213291.9 | 100632.1 | S |
| 191.308 | 0.0000 | 0.0000 | 84.263 | 0.04073 | 0.00000 | 316523.1 | 213293.2 | 100632.1 | S |
| 191.317 | 0.0000 | 0.0000 | 84.262 | 0.04072 | 0.00000 | 316523.1 | 213294.4 | 100632.7 | S |
| 191.325 | 0.0000 | 0.0000 | 84.262 | 0.04072 | 0.00000 | 316523.1 | 213295.6 | 100632.1 | S |
| 191.333 | 0.0000 | 0.0000 | 84.262 | 0.04072 | 0.00000 | 316523.1 | 213296.8 | 100632.1 | S |
| 191.342 | 0.0000 | 0.0000 | 84.262 | 0.04071 | 0.00000 | 316523.1 | 213298.0 | 100632.1 | S |
| 191.350 | 0.0000 | 0.0000 | 84.262 | 0.04071 | 0.00000 | 316523.1 | 213299.3 | 100632.1 | S |
| 191.358 | 0.0000 | 0.0000 | 84.262 | 0.04071 | 0.00000 | 316523.1 | 213300.5 | 100632.1 | S |
| 191.367 | 0.0000 | 0.0000 | 84.262 | 0.04070 | 0.00000 | 316523.1 | 213301.7 | 100632.1 | S |
| 191.375 | 0.0000 | 0.0000 | 84.262 | 0.04070 | 0.00000 | 316523.1 | 213302.9 | 100632.1 | S |
| 191.383 | 0.0000 | 0.0000 | 84.262 | 0.04069 | 0.00000 | 316523.1 | 213304.2 | 100632.1 | S |
| 191.392 | 0.0000 | 0.0000 | 84.261 | 0.04069 | 0.00000 | 316523.1 | 213305.4 | 100632.1 | S |
| 191.400 | 0.0000 | 0.0000 | 84.261 | 0.04069 | 0.00000 | 316523.1 | 213306.6 | 100632.1 | S |
| 191.408 | 0.0000 | 0.0000 | 84.261 | 0.04068 | 0.00000 | 316523.1 | 213307.8 | 100632.1 | S |
| 191.417 | 0.0000 | 0.0000 | 84.261 | 0.04068 | 0.00000 | 316523.1 | 213309.0 | 100632.1 | S |
| 191.425 | 0.0000 | 0.0000 | 84.261 | 0.04068 | 0.00000 | 316523.1 | 213310.3 | 100632.1 | S |
| 191.433 | 0.0000 | 0.0000 | 84.261 | 0.04067 | 0.00000 | 316523.1 | 213311.5 | 100632.1 | S |
| 191.442 | 0.0000 | 0.0000 | 84.261 | 0.04067 | 0.00000 | 316523.1 | 213312.7 | 100632.1 | S |
| 191.450 | 0.0000 | 0.0000 | 84.261 | 0.04067 | 0.00000 | 316523.1 | 213313.9 | 100632.1 | S |
| 191.458 | 0.0000 | 0.0000 | 84.260 | 0.04066 | 0.00000 | 316523.1 | 213315.1 | 100632.1 | S |
| 191.467 | 0.0000 | 0.0000 | 84.260 | 0.04066 | 0.00000 | 316523.1 | 213316.4 | 100632.1 | S |
| 191.475 | 0.0000 | 0.0000 | 84.260 | 0.04066 | 0.00000 | 316523.1 | 213317.6 | 100632.1 | S |
| 191.483 | 0.0000 | 0.0000 | 84.260 | 0.04065 | 0.00000 | 316523.1 | 213318.8 | 100632.1 | S |
| 191.492 | 0.0000 | 0.0000 | 84.260 | 0.04065 | 0.00000 | 316523.1 | 213320.0 | 100632.1 | S |
| 191.500 | 0.0000 | 0.0000 | 84.260 | 0.04065 | 0.00000 | 316523.1 | 213321.2 | 100632.1 | S |
| 191.508 | 0.0000 | 0.0000 | 84.260 | 0.04064 | 0.00000 | 316523.1 | 213322.5 | 100632.1 | S |
| 191.517 | 0.0000 | 0.0000 | 84.260 | 0.04064 | 0.00000 | 316523.1 | 213323.7 | 100632.1 | S |
| 191.525 | 0.0000 | 0.0000 | 84.260 | 0.04064 | 0.00000 | 316523.1 | 213324.9 | 100632.1 | S |
| 191.533 | 0.0000 | 0.0000 | 84.259 | 0.04063 | 0.00000 | 316523.1 | 213326.1 | 100632.1 | S |
| 191.542 | 0.0000 | 0.0000 | 84.259 | 0.04063 | 0.00000 | 316523.1 | 213327.3 | 100632.1 | S |
| 191.550 | 0.0000 | 0.0000 | 84.259 | 0.04062 | 0.00000 | 316523.1 | 213328.5 | 100632.1 | S |
| 191.558 | 0.0000 | 0.0000 | 84.259 | 0.04062 | 0.00000 | 316523.1 | 213329.8 | 100632.1 | S |
| 191.567 | 0.0000 | 0.0000 | 84.259 | 0.04062 | 0.00000 | 316523.1 | 213331.0 | 100632.1 | S |
| 191.575 | 0.0000 | 0.0000 | 84.259 | 0.04061 | 0.00000 | 316523.1 | 213332.2 | 100632.1 | S |
| 191.583 | 0.0000 | 0.0000 | 84.259 | 0.04061 | 0.00000 | 316523.1 | 213333.4 | 100632.1 | S |
| 191.592 | 0.0000 | 0.0000 | 84.259 | 0.04061 | 0.00000 | 316523.1 | 213334.6 | 100632.1 | S |
| 191.600 | 0.0000 | 0.0000 | 84.258 | 0.04060 | 0.00000 | 316523.1 | 213335.9 | 100632.1 | S |
| $\uparrow 91.608$ | 0.0000 | 0.0000 | 84.258 | 0.04060 | 0.00000 | 316523.1 | 213337.1 | 100632.1 | S |
| 191.617 | 0.0000 | 0.0000 | 84.258 | 0.04060 | 0.00000 | 316523.1 | 213338.3 | 100632.1 | S |
| 191.625 | 0.0000 | 0.0000 | 84.258 | 0.04059 | 0.00000 | 316523.1 | 213339.5 | 100632.1 | S |
| 191.633 | 0.0000 | 0.0000 | 84.258 | 0.04059 | 0.00000 | 316523.1 | 213340.7 | 100632.1 | S |
| 191.642 | 0.0000 | 0.0000 | 84.258 | 0.04059 | 0.00000 | 316523.1 | 213342.0 | 100632.1 | S |
| 191.650 | 0.0000 | 0.0000 | 84.258 | 0.04058 | 0.00000 | 316523.1 | 213343.2 | 100632.1 | S |
| 191.658 | 0.0000 | 0.0000 | 84.258 | 0.04058 | 0.00000 | 316523.1 | 213344.4 | 100632.1 | S |
| 191.667 | 0.0000 | 0.0000 | 84.258 | 0.04058 | 0.00000 | 316523.1 | 213345.6 | 100632.1 | S |
| 191.675 | 0.0000 | 0.0000 | 84.257 | 0.04057 | 0.00000 | 316523.1 | 213346.8 | 100632.1 | S |
| 191.683 | 0.0000 | 0.0000 | 84.257 | 0.04057 | 0.00000 | 316523.1 | 213348.0 | 100632.1 | S |
| 191.692 | 0.0000 | 0.0000 | 84.257 | 0.04057 | 0.00000 | 316523.1 | 213349.3 | 100632.1 | S |
| 191.700 | 0.0000 | 0.0000 | 84.257 | 0.04056 | 0.00000 | 316523.1 | 213350.5 | 100632.1 | S |
| 191.708 | 0.0000 | 0.0000 | 84.257 | 0.04056 | 0.00000 | 316523.1 | 213351.7 | 100632.1 | S |
| $\ddagger 91.717$ | 0.0000 | 0.0000 | 84.257 | 0.04055 | 0.00000 | 316523.1 | 213352.9 | 100632.1 | S |
| 191.725 | 0.0000 | 0.0000 | 84.257 | 0.04055 | 0.00000 | 316523.1 | 213354.1 | 100632.1 | S |
| 191.733 | 0.0000 | 0.0000 | 84.257 | 0.04055 | 0.00000 | 316523.1 | 213355.3 | 100632.1 | S |
| 191.742 | 0.0000 | 0.0000 | 84.257 | 0.04054 | 0.00000 | 316523.1 | 213356.6 | 100632.1 | S |
| 191.750 | 0.0000 | 0.0000 | 84.256 | 0.04054 | 0.00000 | 316523.1 | 213357.8 | 100632.1 | S |
| 191.758 | 0.0000 | 0.0000 | 84.256 | 0.04054 | 0.00000 | 316523.1 | 213359.0 | 100632.1 | S |
| 191.767 | 0.0000 | 0.0000 | 84.256 | 0.04053 | 0.00000 | 316523.1 | 213360.2 | 100632.1 | S |
| 191.775 | 0.0000 | 0.0000 | 84.256 | 0.04053 | 0.00000 | 316523.1 | 213361.4 | 100632.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario $1::$ pond10 100 yr $/ 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | Inflow <br> Rate <br> ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (f/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 191.783 | 0.0000 | 0.0000 | 84.256 | 0.04053 | 0.00000 | 316523.1 | 213362.6 | 100632.1 | S |
| 191.792 | 0.0000 | 0.0000 | 84.256 | 0.04052 | 0.00000 | 316523.1 | 213363.9 | 100632.1 | S |
| 191.800 | 0.0000 | 0.0000 | 84.256 | 0.04052 | 0.00000 | 316523.1 | 213365.1 | 100632.1 | S |
| 191.808 | 0.0000 | 0.0000 | 84.256 | 0.04052 | 0.00000 | 316523.1 | 213366.3 | 100632.1 | S |
| 191.817 | 0.0000 | 0.0000 | 84.255 | 0.04051 | 0.00000 | 316523.1 | 213367.5 | 100632.1 | S |
| 191.825 | 0.0000 | 0.0000 | 84.255 | 0.04051 | 0.00000 | 316523.1 | 213368.7 | 100632.1 | S |
| 191.833 | 0.0000 | 0.0000 | 84.255 | 0.04051 | 0.00000 | 316523.1 | 213369.9 | 100632.1 | S |
| 191.842 | 0.0000 | 0.0000 | 84.255 | 0.04050 | 0.00000 | 316523.1 | 213371.1 | 100632.1 | S |
| 191.850 | 0.0000 | 0.0000 | 84.255 | 0.04050 | 0.00000 | 316523.1 | 213372.4 | 100632.1 | S |
| 191.858 | 0.0000 | 0.0000 | 84.255 | 0.04050 | 0.00000 | 316523.1 | 213373.6 | 100632.1 | S |
| 191.867 | 0.0000 | 0.0000 | 84.255 | 0.04049 | 0.00000 | 316523.1 | 213374.8 | 100632.1 | S |
| 191.875 | 0.0000 | 0.0000 | 84.255 | 0.04049 | 0.00000 | 316523.1 | 213376.0 | 100632.1 | S |
| 191.883 | 0.0000 | 0.0000 | 84.255 | 0.04048 | 0.00000 | 316523.1 | 213377.2 | 100632.1 | S |
| 191.892 | 0.0000 | 0.0000 | 84.254 | 0.04048 | 0.00000 | 316523.1 | 213378.4 | 100632.1 | S |
| 191.900 | 0.0000 | 0.0000 | 84.254 | 0.04048 | 0.00000 | 316523.1 | 213379.6 | 100632.1 | S |
| 191.908 | 0.0000 | 0.0000 | 84.254 | 0.04047 | 0.00000 | 316523.1 | 213380.9 | 100632.1 | S |
| 191.917 | 0.0000 | 0.0000 | 84.254 | 0.04047 | 0.00000 | 316523.1 | 213382.1 | 100632.1 | S |
| 191.925 | 0.0000 | 0.0000 | 84.254 | 0.04047 | 0.00000 | 316523.1 | 213383.3 | 100632.1 | S |
| 191.933 | 0.0000 | 0.0000 | 84.254 | 0.04046 | 0.00000 | 316523.1 | 213384.5 | 100632.1 | S |
| 191.942 | 0.0000 | 0.0000 | 84.254 | 0.04046 | 0.00000 | 316523.1 | 213385.7 | 100632.1 | S |
| 191.950 | 0.0000 | 0.0000 | 84.254 | 0.04046 | 0.00000 | 316523.1 | 213386.9 | 100632.1 | S |
| 191.958 | 0.0000 | 0.0000 | 84.253 | 0.04045 | 0.00000 | 316523.1 | 213388.1 | 100632.1 | S |
| 191.967 | 0.0000 | 0.0000 | 84.253 | 0.04045 | 0.00000 | 316523.1 | 213389.4 | 100632.1 | S |
| 191.975 | 0.0000 | 0.0000 | 84.253 | 0.04045 | 0.00000 | 316523.1 | 213390.6 | 100632.1 | S |
| 191.983 | 0.0000 | 0.0000 | 84.253 | 0.04044 | 0.00000 | 316523.1 | 213391.8 | 100632.1 | S |
| 191.992 | 0.0000 | 0.0000 | 84.253 | 0.04044 | 0.00000 | 316523.1 | 213393.0 | 100632.1 | S |
| 192.000 | 0.0000 | 0.0000 | 84.253 | 0.04044 | 0.00000 | 316523.1 | 213394.2 | 100632.1 | S |
| 192.008 | 0.0000 | 0.0000 | 84.253 | 0.04043 | 0.00000 | 316523.1 | 213395.4 | 100632.1 | S |
| 192.017 | 0.0000 | 0.0000 | 84.253 | 0.04043 | 0.00000 | 316523.1 | 213396.6 | 100632.1 | S |
| 192.025 | 0.0000 | 0.0000 | 84.253 | 0.04043 | 0.00000 | 316523.1 | 213397.8 | 100632.1 | S |
| 192.033 | 0.0000 | 0.0000 | 84.252 | 0.04042 | 0.00000 | 316523.1 | 213399.1 | 100632.1 | S |
| 192.042 | 0.0000 | 0.0000 | 84.252 | 0.04042 | 0.00000 | 316523.1 | 213400.3 | 100632.1 | S |
| 192.050 | 0.0000 | 0.0000 | 84.252 | 0.04041 | 0.00000 | 316523.1 | 213401.5 | 100632.1 | S |
| 192.058 | 0.0000 | 0.0000 | 84.252 | 0.04041 | 0.00000 | 316523.1 | 213402.7 | 100632.1 | S |
| 192.067 | 0.0000 | 0.0000 | 84.252 | 0.04041 | 0.00000 | 316523.1 | 213403.9 | 100632.1 | S |
| 192.075 | 0.0000 | 0.0000 | 84.252 | 0.04040 | 0.00000 | 316523.1 | 213405.1 | 100632.1 | S |
| 192.083 | 0.0000 | 0.0000 | 84.252 | 0.04040 | 0.00000 | 316523.1 | 213406.3 | 100632.1 | S |
| 192.092 | 0.0000 | 0.0000 | 84.252 | 0.04040 | 0.00000 | 316523.1 | 213407.5 | 100632.1 | S |
| 192.100 | 0.0000 | 0.0000 | 84.251 | 0.04039 | 0.00000 | 316523.1 | 213408.8 | 100632.7 | S |
| 192.108 | 0.0000 | 0.0000 | 84.251 | 0.04039 | 0.00000 | 316523.1 | 213410.0 | 100632.1 | S |
| 192.117 | 0.0000 | 0.0000 | 84.251 | 0.04039 | 0.00000 | 316523.1 | 213411.2 | 100632.1 | S |
| 192.125 | 0.0000 | 0.0000 | 84.251 | 0.04038 | 0.00000 | 316523.1 | 213412.4 | 100632.1 | S |
| 192.133 | 0.0000 | 0.0000 | 84.251 | 0.04038 | 0.00000 | 316523.1 | 213413.6 | 100632.1 | S |
| 192.142 | 0.0000 | 0.0000 | 84.251 | 0.04038 | 0.00000 | 316523.1 | 213414.8 | 100632.1 | S |
| 192.150 | 0.0000 | 0.0000 | 84.251 | 0.04037 | 0.00000 | 316523.1 | 213416.0 | 100632.1 | S |
| 192.158 | 0.0000 | 0.0000 | 84.251 | 0.04037 | 0.00000 | 316523.1 | 213417.2 | 100632.1 | S |
| 192.167 | 0.0000 | 0.0000 | 84.251 | 0.04037 | 0.00000 | 316523.1 | 213418.5 | 100632.1 | S |
| 192.175 | 0.0000 | 0.0000 | 84.250 | 0.04036 | 0.00000 | 316523.1 | 213419.7 | 100632.1 | S |
| 192.183 | 0.0000 | 0.0000 | 84.250 | 0.04036 | 0.00000 | 316523.1 | 213420.9 | 100632.1 | S |
| 192.192 | 0.0000 | 0.0000 | 84.250 | 0.04036 | 0.00000 | 316523.1 | 213422.1 | 100632.1 | S |
| 192.200 | 0.0000 | 0.0000 | 84.250 | 0.04035 | 0.00000 | 316523.1 | 213423.3 | 100632.1 | S |
| 192.208 | 0.0000 | 0.0000 | 84.250 | 0.04035 | 0.00000 | 316523.1 | 213424.5 | 100632.1 | S |
| 192.217 | 0.0000 | 0.0000 | 84.250 | 0.04034 | 0.00000 | 316523.1 | 213425.7 | 100632.1 | S |
| 192.225 | 0.0000 | 0.0000 | 84.250 | 0.04034 | 0.00000 | 316523.1 | 213426.9 | 100632.1 | S |
| 192.233 | 0.0000 | 0.0000 | 84.250 | 0.04034 | 0.00000 | 316523.1 | 213428.1 | 100632.1 | S |
| 192.242 | 0.0000 | 0.0000 | 84.250 | 0.04033 | 0.00000 | 316523.1 | 213429.3 | 100632.1 | S |
| 192.250 | 0.0000 | 0.0000 | 84.249 | 0.04033 | 0.00000 | 316523.1 | 213430.6 | 100632.1 | S |
| 192.258 | 0.0000 | 0.0000 | 84.249 | 0.04033 | 0.00000 | 316523.1 | 213431.8 | 100632.1 | S |
| 192.267 | 0.0000 | 0.0000 | 84.249 | 0.04032 | 0.00000 | 316523.1 | 213433.0 | 100632.1 | S |
| 192.275 | 0.0000 | 0.0000 | 84.249 | 0.04032 | 0.00000 | 316523.1 | 213434.2 | 100632.1 | S |
| 192.283 | 0.0000 | 0.0000 | 84.249 | 0.04032 | 0.00000 | 316523.1 | 213435.4 | 100632.1 | S |
| 192.292 | 0.0000 | 0.0000 | 84.249 | 0.04031 | 0.00000 | 316523.1 | 213436.6 | 100632.1 | S |
| 192.300 | 0.0000 | 0.0000 | 84.249 | 0.04031 | 0.00000 | 316523.1 | 213437.8 | 100632.1 | S |
| 192.308 | 0.0000 | 0.0000 | 84.249 | 0.04031 | 0.00000 | 316523.1 | 213439.0 | 100632.1 | S |
| 192.317 | 0.0000 | 0.0000 | 84.248 | 0.04030 | 0.00000 | 316523.1 | 213440.2 | 100632.1 | S |
| 192.325 | 0.0000 | 0.0000 | 84.248 | 0.04030 | 0.00000 | 316523.1 | 213441.4 | 100632.1 | S |
| 192.333 | 0.0000 | 0.0000 | 84.248 | 0.04030 | 0.00000 | 316523.1 | 213442.7 | 100632.1 | S |
| 192.342 | 0.0000 | 0.0000 | 84.248 | 0.04029 | 0.00000 | 316523.1 | 213443.9 | 100632.1 | S |
| 192.350 | 0.0000 | 0.0000 | 84.248 | 0.04029 | 0.00000 | 316523.1 | 213445.1 | 100632,1 | S |
| 192.358 | 0.0000 | 0.0000 | 84.248 | 0.04029 | 0.00000 | 316523.1 | 213446.3 | 100632.1 | S |
| 192.367 | 0.0000 | 0.0000 | 84.248 | 0.04028 | 0.00000 | 316523.1 | 213447.5 | 100632.1 | S |
| 192.375 | 0.0000 | 0.0000 | 84.248 | 0.04028 | 0.00000 | 316523.1 | 213448.7 | 100632.1 | S |
| 192.383 | 0.0000 | 0.0000 | 84.248 | 0.04028 | 0.00000 | 316523.1 | 213449.9 | 100632.1 | S |
| 192.392 | 0.0000 | 0.0000 | 84.247 | 0.04027 | 0.00000 | 316523.1 | 213451.1 | 100632.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) $\because:$ Scenario $1::$ pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/ overflow

| Ełapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Outside Recharge (fldday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 192.400 | 0.0000 | 0.0000 | 84.247 | 0.04027 | 0.00000 | 316523.1 | 213452.3 | 100632.1 | S |
| 192.408 | 0.0000 | 0.0000 | 84.247 | 0.04026 | 0.00000 | 316523.1 | 213453.5 | 100632.1 | S |
| 192.417 | 0.0000 | 0.0000 | 84.247 | 0.04026 | 0.00000 | 316523.1 | 213454.7 | 100632.1 | S |
| 192.425 | 0.0000 | 0.0000 | 84.247 | 0.04026 | 0.00000 | 316523.1 | 213455.9 | 100632.1 | S |
| 192.433 | 0.0000 | 0.0000 | 84.247 | 0.04025 | 0.00000 | 316523.1 | 213457.2 | 100632.1 | S |
| 192.442 | 0.0000 | 0.0000 | 84.247 | 0.04025 | 0.00000 | 316523.1 | 213458.4 | 100632.1 | S |
| 192.450 | 0.0000 | 0.0000 | 84.247 | 0.04025 | 0.00000 | 316523.1 | 213459.6 | 100632.1 | S |
| $\ddagger 92.458$ | 0.0000 | 0.0000 | 84.246 | 0.04024 | 0.00000 | 316523.1 | 213460.8 | 100632.1 | S |
| 192.467 | 0.0000 | 0.0000 | 84.246 | 0.04024 | 0.00000 | 316523.1 | 213462.0 | 100632.1 | S |
| 192.475 | 0.0000 | 0.0000 | 84.246 | 0.04024 | 0.00000 | 316523.1 | 213463.2 | 100632.1 | S |
| 192.483 | 0.0000 | 0.0000 | 84.246 | 0.04023 | 0.00000 | 316523.1 | 213464.4 | 100632.1 | S |
| 192.492 | 0.0000 | 0.0000 | 84.246 | 0.04023 | 0.00000 | 316523.1 | 213465.6 | 100632.1 | S |
| 192.500 | 0.0000 | 0.0000 | 84.246 | 0.04023 | 0.00000 | 316523.1 | 213466.8 | 100632.1 | S |
| 192.508 | 0.0000 | 0.0000 | 84.246 | 0.04022 | 0.00000 | 316523.1 | 213468.0 | 100632.1 | S |
| 192.517 | 0.0000 | 0.0000 | 84.246 | 0.04022 | 0.00000 | 316523.1 | 213469.2 | 100632.1 | S |
| 192.525 | 0.0000 | 0.0000 | 84.246 | 0.04022 | 0.00000 | 316523.1 | 213470.4 | 100632.1 | S |
| 192.533 | 0.0000 | 0.0000 | 84.245 | 0.04021 | 0.00000 | 316523.1 | 213471.6 | 100632.1 | S |
| 192.542 | 0.0000 | 0.0000 | 84.245 | 0.04021 | 0.00000 | 316523.1 | 213472.8 | 100632.1 | S |
| 192.550 | 0.0000 | 0.0000 | 84.245 | 0.04021 | 0.00000 | 316523.1 | 213474.0 | 100632.1 | S |
| 192.558 | 0.0000 | 0.0000 | 84.245 | 0.04020 | 0.00000 | 316523.1 | 213475.3 | 100632.1 | S |
| 192.567 | 0.0000 | 0.0000 | 84.245 | 0.04020 | 0.00000 | 316523.1 | 213476.5 | 100632.1 | S |
| 192.575 | 0.0000 | 0.0000 | 84.245 | 0.04020 | 0.00000 | 316523.1 | 213477.7 | 100632.1 | S |
| 192.583 | 0.0000 | 0.0000 | 84.245 | 0.04019 | 0.00000 | 316523.1 | 213478.9 | 100632.1 | S |
| 192.592 | 0.0000 | 0.0000 | 84.245 | 0.04019 | 0.00000 | 316523.1 | 213480.1 | 100632.1 | S |
| 192.600 | 0.0000 | 0.0000 | 84.244 | 0.04018 | 0.00000 | 316523.1 | 213481.3 | 100632.1 | S |
| 192.608 | 0.0000 | 0.0000 | 84.244 | 0.04018 | 0.00000 | 316523.1 | 213482.5 | 100632.1 | S |
| 192.617 | 0.0000 | 0.0000 | 84.244 | 0.04018 | 0.00000 | 316523.1 | 213483.7 | 100632.1 | S |
| 192.625 | 0.0000 | 0.0000 | 84.244 | 0.04017 | 0.00000 | 316523.1 | 213484.9 | 100632.1 | S |
| 192.633 | 0.0000 | 0.0000 | 84.244 | 0.04017 | 0.00000 | 316523.1 | 213486.1 | 100632.1 | S |
| 192.642 | 0.0000 | 0.0000 | 84.244 | 0.04017 | 0.00000 | 316523.1 | 213487.3 | 100632.1 | S |
| 192.650 | 0.0000 | 0.0000 | 84.244 | 0.04016 | 0.00000 | 316523.1 | 213488.5 | 100632.1 | S |
| 192.658 | 0.0000 | 0.0000 | 84.244 | 0.04016 | 0.00000 | 316523.1 | 213489.7 | 100632.1 | S |
| 192.667 | 0.0000 | 0.0000 | 84.244 | 0.04016 | 0.00000 | 316523.1 | 213490.9 | 100632.1 | S |
| 192.675 | 0.0000 | 0.0000 | 84.243 | 0.04015 | 0.00000 | 316523.1 | 213492.1 | 100632.1 | S |
| 192.683 | 0.0000 | 0.0000 | 84.243 | 0.04015 | 0.00000 | 316523.1 | 213493.3 | 100632.1 | S |
| 192.692 | 0.0000 | 0.0000 | 84.243 | 0.04015 | 0.00000 | 316523.1 | 213494.5 | 100632.1 | S |
| 192.700 | 0.0000 | 0.0000 | 84.243 | 0.04014 | 0.00000 | 316523.1 | 213495.7 | 100632.1 | S |
| 192.708 | 0.0000 | 0.0000 | 84.243 | 0.04014 | 0.00000 | 316523.1 | 213497.0 | 100632.1 | S |
| 192.717 | 0.0000 | 0.0000 | 84.243 | 0.04014 | 0.00000 | 316523.1 | 213498.2 | 100632.1 | S |
| 192.725 | 0.0000 | 0.0000 | 84.243 | 0.04013 | 0.00000 | 316523.1 | 213499.4 | 100632.1 | S |
| 192.733 | 0.0000 | 0.0000 | 84.243 | 0.04013 | 0.00000 | 316523.1 | 213500.6 | 100632.1 | S |
| 192.742 | 0.0000 | 0.0000 | 84.243 | 0.04013 | 0.00000 | 316523.1 | 213501.8 | 100632.1 | S |
| 192.750 | 0.0000 | 0.0000 | 84.242 | 0.04012 | 0.00000 | 316523.1 | 213503.0 | 100632.1 | S |
| 192.758 | 0.0000 | 0.0000 | 84.242 | 0.04012 | 0.00000 | 316523.1 | 213504.2 | 100632.1 | S |
| 192.767 | 0.0000 | 0.0000 | 84.242 | 0.04012 | 0.00000 | 316523.1 | 213505.4 | 100632.1 | S |
| 192.775 | 0.0000 | 0.0000 | 84.242 | 0.04011 | 0.00000 | 316523.1 | 213506.6 | 100632.1 | S |
| 192.783 | 0.0000 | 0.0000 | 84.242 | 0.04011 | 0.00000 | 316523.1 | 213507.8 | 100632.1 | S |
| 192.792 | 0.0000 | 0.0000 | 84.242 | 0.04011 | 0.00000 | 316523.1 | 213509.0 | 100632.1 | S |
| 192.800 | 0.0000 | 0.0000 | 84.242 | 0.04010 | 0.00000 | 316523.1 | 213510.2 | 100632.1 | S |
| 192.808 | 0.0000 | 0.0000 | 84.242 | 0.04010 | 0.00000 | 316523.1 | 213511.4 | 100632.1 | S |
| 192.817 | 0.0000 | 0.0000 | 84.241 | 0.04009 | 0.00000 | 316523.1 | 213512.6 | 100632.1 | S |
| 192.825 | 0.0000 | 0.0000 | 84.241 | 0.04009 | 0.00000 | 316523.1 | 213513.8 | 100632.1 | S |
| 192.833 | 0.0000 | 0.0000 | 84.241 | 0.04009 | 0.00000 | 316523.1 | 213515.0 | 100632.1 | S |
| 192.842 | 0.0000 | 0.0000 | 84.241 | 0.04008 | 0.00000 | 316523.1 | 213516.2 | 100632.1 | S |
| 192.850 | 0.0000 | 0.0000 | 84.241 | 0.04008 | 0.00000 | 316523.1 | 213517.4 | 100632.1 | S |
| 192.858 | 0.0000 | 0.0000 | 84.241 | 0.04008 | 0.00000 | 316523.1 | 213518.6 | 100632.1 | S |
| 192.867 | 0.0000 | 0.0000 | 84.241 | 0.04007 | 0.00000 | 316523.1 | 213519.8 | 100632.1 | S |
| 192.875 | 0.0000 | 0.0000 | 84.241 | 0.04007 | 0.00000 | 316523.1 | 213521.0 | 100632.1 | S |
| 192.883 | 0.0000 | 0.0000 | 84.241 | 0.04007 | 0.00000 | 316523.1 | 213522.2 | 100632.1 | S |
| 192.892 | 0.0000 | 0.0000 | 84.240 | 0.04006 | 0.00000 | 316523.1 | 213523.4 | 100632.1 | S |
| 192.900 | 0.0000 | 0.0000 | 84.240 | 0.04006 | 0.00000 | 316523.1 | 213524.6 | 100632.1 | S |
| 192.908 | 0.0000 | 0.0000 | 84.240 | 0.04006 | 0.00000 | 316523.1 | 213525.8 | 100632.1 | S |
| 192.917 | 0.0000 | 0.0000 | 84.240 | 0.04005 | 0.00000 | 316523.1 | 213527.0 | 100632.1 | S |
| 192.925 | 0.0000 | 0.0000 | 84.240 | 0.04005 | 0.00000 | 316523.1 | 213528.2 | 100632.1 | S |
| 192.933 | 0.0000 | 0.0000 | 84.240 | 0.04005 | 0.00000 | 316523.1 | 213529.4 | 100632.1 | S |
| 192.942 | 0.0000 | 0.0000 | 84.240 | 0.04004 | 0.00000 | 316523.1 | 213530.6 | 100632.1 | S |
| 192.950 | 0.0000 | 0.0000 | 84.240 | 0.04004 | 0.00000 | 316523.1 | 213531.8 | 100632.1 | S |
| 192.958 | 0.0000 | 0.0000 | 84.239 | 0.04004 | 0.00000 | 316523.1 | 213533.0 | 100632.1 | S |
| 192.967 | 0.0000 | 0.0000 | 84.239 | 0.04003 | 0.00000 | 316523.1 | 213534.2 | 100632.1 | S |
| 192.975 | 0.0000 | 0.0000 | 84.239 | 0.04003 | 0.00000 | 316523.1 | 213535.4 | 100632.1 | S |
| 192.983 | 0.0000 | 0.0000 | 84.239 | 0.04003 | 0.00000 | 316523.1 | 213536.6 | 100632.1 | S |
| 192.992 | 0.0000 | 0.0000 | 84.239 | 0.04002 | 0.00000 | 316523.1 | 213537.8 | 100632.1 | S |
| 193.000 | 0.0000 | 0.0000 | 84.239 | 0.04002 | 0.00000 | 316523.1 | 213539.0 | 100632.1 | S |
| 193.008 | 0.0000 | 0.0000 | 84.239 | 0.04002 | 0.00000 | 316523.1 | 213540.2 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate (fis/s) | Outside Recharge (flday) | Stage Elevation (ft datum) | infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}{ }^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 193.017 | 0.0000 | 0.0000 | 84.239 | 0.04001 | 0.00000 | 316523.1 | 213541.4 | 100632.1 | S |
| 193.025 | 0.0000 | 0.0000 | 84.239 | 0.04001 | 0.00000 | 316523.1 | 213542.6 | 100632.1 | S |
| 193.033 | 0.0000 | 0.0000 | 84.238 | 0.04001 | 0.00000 | 316523.1 | 213543.8 | 100632.1 | S |
| 193.042 | 0.0000 | 0.0000 | 84.238 | 0.04000 | 0.00000 | 316523.1 | 213545.0 | 100632.1 | S |
| 193.050 | 0.0000 | 0.0000 | 84.238 | 0.04000 | 0.00000 | 316523.1 | 213546.2 | 100632.1 | S |
| 193.058 | 0.0000 | 0.0000 | 84.238 | 0.03999 | 0.00000 | 316523.1 | 213547.4 | 100632.1 | S |
| 193.067 | 0.0000 | 0.0000 | 84.238 | 0.03999 | 0.00000 | 316523.1 | 213548.6 | 100632.1 | S |
| 193.075 | 0.0000 | 0.0000 | 84.238 | 0.03999 | 0.00000 | 316523.1 | 213549.8 | 100632.1 | S |
| 193.083 | 0.0000 | 0.0000 | 84.238 | 0.03998 | 0.00000 | 316523.1 | 213551.0 | 100632.1 | S |
| 193.092 | 0.0000 | 0.0000 | 84.238 | 0.03998 | 0.00000 | 316523.1 | 213552.2 | 100632.1 | S |
| 193.100 | 0.0000 | 0.0000 | 84.238 | 0.03998 | 0.00000 | 316523.1 | 213553.4 | 100632.1 | S |
| 193.108 | 0.0000 | 0.0000 | 84.237 | 0.03997 | 0.00000 | 316523.1 | 213554.6 | 100632.1 | S |
| 193.117 | 0.0000 | 0.0000 | 84.237 | 0.03997 | 0.00000 | 316523.1 | 213555.8 | 100632.1 | S |
| 193.125 | 0.0000 | 0.0000 | 84.237 | 0.03997 | 0.00000 | 316523.1 | 213557.0 | 100632.1 | S |
| 193.133 | 0.0000 | 0.0000 | 84.237 | 0.03996 | 0.00000 | 316523.1 | 213558.2 | 100632.1 | S |
| 193.142 | 0.0000 | 0.0000 | 84.237 | 0.03996 | 0.00000 | 316523.1 | 213559.4 | 100632.1 | S |
| 193.150 | 0.0000 | 0.0000 | 84.237 | 0.03996 | 0.00000 | 316523.1 | 213560.6 | 100632.1 | S |
| 193.158 | 0.0000 | 0.0000 | 84.237 | 0.03995 | 0.00000 | 316523.1 | 213561.8 | 100632.1 | S |
| 193.167 | 0.0000 | 0.0000 | 84.237 | 0.03995 | 0.00000 | 316523.1 | 213563.0 | 100632.1 | S |
| 193.175 | 0.0000 | 0.0000 | 84.236 | 0.03995 | 0.00000 | 316523.1 | 213564.2 | 100632.1 | S |
| 193.183 | 0.0000 | 0.0000 | 84.236 | 0.03994 | 0.00000 | 316523.1 | 213565.4 | 100632.1 | S |
| 193.192 | 0.0000 | 0.0000 | 84.236 | 0.03994 | 0.00000 | 316523.1 | 213566.6 | 100632.1 | S |
| 193.200 | 0.0000 | 0.0000 | 84.236 | 0.03994 | 0.00000 | 316523.1 | 213567.8 | 100632.1 | S |
| 193.208 | 0.0000 | 0.0000 | 84.236 | 0.03993 | 0.00000 | 316523.1 | 213569.0 | 100632.1 | S |
| 193.217 | 0.0000 | 0.0000 | 84.236 | 0.03993 | 0.00000 | 316523.1 | 213570.2 | 100632.1 | S |
| 193.225 | 0.0000 | 0.0000 | 84.236 | 0.03993 | 0.00000 | 316523.1 | 213571.4 | 100632.1 | S |
| 193.233 | 0.0000 | 0.0000 | 84.236 | 0.03992 | 0.00000 | 316523.1 | 213572.6 | 100632.1 | S |
| 193.242 | 0.0000 | 0.0000 | 84.236 | 0.03992 | 0.00000 | 316523.1 | 213573.8 | 100632.1 | S |
| 193.250 | 0.0000 | 0.0000 | 84.235 | 0.03992 | 0.00000 | 316523.1 | 213575.0 | 100632.1 | S |
| 193.258 | 0.0000 | 0.0000 | 84.235 | 0.03991 | 0.00000 | 316523.1 | 213576.2 | 100632.1 | S |
| 193.267 | 0.0000 | 0.0000 | 84.235 | 0.03991 | 0.00000 | 316523.1 | 213577.4 | 100632.1 | S |
| 193.275 | 0.0000 | 0.0000 | 84.235 | 0.03991 | 0.00000 | 316523.1 | 213578.6 | 100632.1 | S |
| 193.283 | 0.0000 | 0.0000 | 84.235 | 0.03990 | 0.00000 | 316523.1 | 213579.8 | 100632.1 | S |
| 193.292 | 0.0000 | 0.0000 | 84.235 | 0.03990 | 0.00000 | 316523.1 | 213581.0 | 100632.1 | S |
| 193.300 | 0.0000 | 0.0000 | 84.235 | 0.03989 | 0.00000 | 316523.1 | 213582.2 | 100632.1 | S |
| 193.308 | 0.0000 | 0.0000 | 84.235 | 0.03989 | 0.00000 | 316523.1 | 213583.4 | 100632.1 | S |
| \$93.317 | 0.0000 | 0.0000 | 84.234 | 0.03989 | 0.00000 | 316523.1 | 213584.6 | 100632.1 | S |
| 193.325 | 0.0000 | 0.0000 | 84.234 | 0.03988 | 0.00000 | 316523.1 | 213585.8 | 100632.1 | S |
| 193.333 | 0.0000 | 0.0000 | 84.234 | 0.03988 | 0.00000 | 316523.1 | 213587.0 | 100632.1 | S |
| 193.342 | 0.0000 | 0.0000 | 84.234 | 0.03988 | 0.00000 | 316523.1 | 213588.2 | 100632.1 | S |
| 193.350 | 0.0000 | 0.0000 | 84.234 | 0.03987 | 0.00000 | 316523.1 | 213589.4 | 100632.1 | S |
| 193.358 | 0.0000 | 0.0000 | 84.234 | 0.03987 | 0.00000 | 316523.1 | 213590.6 | 100632.1 | S |
| 193.367 | 0.0000 | 0.0000 | 84.234 | 0.03987 | 0.00000 | 316523.1 | 213591.8 | 100632.1 | S |
| 193.375 | 0.0000 | 0.0000 | 84.234 | 0.03986 | 0.00000 | 316523.1 | 213593.0 | 100632.1 | S |
| 193.383 | 0.0000 | 0.0000 | 84.234 | 0.03986 | 0.00000 | 316523.1 | 213594.1 | 100632.1 | S |
| 193.392 | 0.0000 | 0.0000 | 84.233 | 0.03986 | 0.00000 | 316523.1 | 213595.3 | 100632.1 | S |
| 193.400 | 0.0000 | 0.0000 | 84.233 | 0.03985 | 0.00000 | 316523.1 | 213596.5 | 100632.1 | S |
| 193.408 | 0.0000 | 0.0000 | 84.233 | 0.03985 | 0.00000 | 316523.1 | 213597.7 | 100632.1 | S |
| 193.417 | 0.0000 | 0.0000 | 84.233 | 0.03985 | 0.00000 | 316523.1 | 213598.9 | 100632.1 | S |
| 193.425 | 0.0000 | 0.0000 | 84.233 | 0.03984 | 0.00000 | 316523.1 | 213600.1 | 100632.1 | S |
| 193.433 | 0.0000 | 0.0000 | 84.233 | 0.03984 | 0.00000 | 316523.1 | 213601.3 | 100632.1 | S |
| 193.442 | 0.0000 | 0.0000 | 84.233 | 0.03984 | 0.00000 | 316523.1 | 213602.5 | 100632.1 | S |
| 193.450 | 0.0000 | 0.0000 | 84.233 | 0.03983 | 0.00000 | 316523.1 | 213603.7 | 100632.1 | S |
| 193.458 | 0.0000 | 0.0000 | 84.233 | 0.03983 | 0.00000 | 316523.1 | 213604.9 | 100632.1 | S |
| 193.467 | 0.0000 | 0.0000 | 84.232 | 0.03983 | 0.00000 | 316523.1 | 213606.1 | 100632.1 | S |
| 193.475 | 0.0000 | 0.0000 | 84.232 | 0.03982 | 0.00000 | 316523.1 | 213607.3 | 100632.1 | S |
| 193.483 | 0.0000 | 0.0000 | 84.232 | 0.03982 | 0.00000 | 316523.1 | 213608.5 | 100632.1 | S |
| 193.492 | 0.0000 | 0.0000 | 84.232 | 0.03982 | 0.00000 | 316523.1 | 213609.7 | 100632.1 | S |
| 193.500 | 0.0000 | 0.0000 | 84.232 | 0.03981 | 0.00000 | 316523.1 | 213610.9 | 100632.1 | S |
| 193.508 | 0.0000 | 0.0000 | 84.232 | 0.03981 | 0.00000 | 316523.1 | 213612.1 | 100632.1 | S |
| 193.517 | 0.0000 | 0.0000 | 84.232 | 0.03981 | 0.00000 | 316523.1 | 213613.3 | 100632.1 | S |
| 193.525 | 0.0000 | 0.0000 | 84.232 | 0.03980 | 0.00000 | 316523.1 | 213614.5 | 100632.1 | S |
| 193.533 | 0.0000 | 0.0000 | 84.231 | 0.03980 | 0.00000 | 316523.1 | 213615.7 | 100632.1 | S |
| 193.542 | 0.0000 | 0.0000 | 84.231 | 0.03980 | 0.00000 | 316523.1 | 213616.8 | 100632.1 | S |
| 193.550 | 0.0000 | 0.0000 | 84.231 | 0.03979 | 0.00000 | 316523.1 | 213618.0 | 100632.1 | S |
| 193.558 | 0.0000 | 0.0000 | 84.231 | 0.03979 | 0.00000 | 316523.1 | 213619.2 | 100632.1 | S |
| 193.567 | 0.0000 | 0.0000 | 84.231 | 0.03978 | 0.00000 | 316523.1 | 213620.4 | 100632.1 | S |
| 193.575 | 0.0000 | 0.0000 | 84.231 | 0.03978 | 0.00000 | 316523.1 | 213621.6 | 100632.1 | S |
| 193.583 | 0.0000 | 0.0000 | 84.231 | 0.03978 | 0.00000 | 316523.1 | 213622.8 | 100632.1 | S |
| 193.592 | 0.0000 | 0.0000 | 84.231 | 0.03977 | 0.00000 | 316523.1 | 213624.0 | 100632.1 | S |
| 193.600 | 0.0000 | 0.0000 | 84.231 | 0.03977 | 0.00000 | 316523.1 | 213625.2 | 100632.1 | S |
| 193.608 | 0.0000 | 0.0000 | 84.230 | 0.03977 | 0.00000 | 316523.1 | 213626.4 | 100632.1 | S |
| 193.617 | 0.0000 | 0.0000 | 84.230 | 0.03976 | 0.00000 | 316523.1 | 213627.6 | 100632.1 | S |
| 193.625 | 0.0000 | 0.0000 | 84.230 | 0.03976 | 0.00000 | 316523.1 | 213628.8 | 100632.1 | S |

PONDS Version 3.2.0207

Retention Pond Recovery - Refined Method Copyright 2003<br>Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario $1::$ pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Overfiow Discharge ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 193.633 | 0.0000 | 0.0000 | 84.230 | 0.03976 | 0.00000 | 316523.1 | 213630.0 | 100632.1 | S |
| 193.642 | 0.0000 | 0.0000 | 84.230 | 0.03975 | 0.00000 | 316523.1 | 213631.2 | 100632.1 | S |
| 193.650 | 0.0000 | 0.0000 | 84.230 | 0.03975 | 0.00000 | 316523.1 | 213632.4 | 100632.1 | S |
| 193.658 | 0.0000 | 0.0000 | 84.230 | 0.03975 | 0.00000 | 316523.1 | 213633.5 | 100632.1 | S |
| 193.667 | 0.0000 | 0.0000 | 84.230 | 0.03974 | 0.00000 | 316523.1 | 213634.8 | 100632.1 | S |
| 193.675 | 0,0000 | 0.0000 | 84.230 | 0.03974 | 0.00000 | 316523.1 | 213635.9 | 100632.1 | S |
| 193.683 | 0.0000 | 0.0000 | 84.229 | 0.03974 | 0.00000 | 316523.1 | 213637.1 | 100632.1 | S |
| 193.692 | 0.0000 | 0.0000 | 84.229 | 0.03973 | 0.00000 | 316523.1 | 213638.3 | 100632.4 | S |
| 193.700 | 0.0000 | 0.0000 | 84.229 | 0.03973 | 0.00000 | 316523.1 | 213639.5 | 100632.1 | S |
| 193.708 | 0.0000 | 0.0000 | 84.229 | 0.03973 | 0.00000 | 316523.1 | 213640.7 | 100632.1 | S |
| 193.717 | 0.0000 | 0.0000 | 84.229 | 0.03972 | 0.00000 | 316523.1 | 213641.9 | 100632.1 | S |
| 193.725 | 0.0000 | 0.0000 | 84.229 | 0.03972 | 0.00000 | 316523.1 | 213643.1 | 100632.1 | S |
| 193.733 | 0.0000 | 0.0000 | 84.229 | 0.03972 | 0.00000 | 316523.1 | 213644.3 | 100632.1 | S |
| 193.742 | 0.0000 | 0.0000 | 84.229 | 0.03971 | 0.00000 | 316523.1 | 213645.5 | 100632.1 | S |
| 193.750 | 0.0000 | 0.0000 | 84.228 | 0.03971 | 0.00000 | 316523.1 | 213646.7 | 100632.1 | S |
| 193.758 | 0.0000 | 0.0000 | 84.228 | 0.03971 | 0.00000 | 316523.1 | 213647.9 | 100632.1 | S |
| 193.767 | 0.0000 | 0.0000 | 84.228 | 0.03970 | 0.00000 | 316523.1 | 213649.0 | 100632.1 | S |
| 193.775 | 0.0000 | 0.0000 | 84.228 | 0.03970 | 0.00000 | 316523.1 | 213650.2 | 100632.1 | S |
| 193.783 | 0.0000 | 0.0000 | 84.228 | 0.03970 | 0.00000 | 316523.1 | 213651.4 | 100632.1 | S |
| 193.792 | 0.0000 | 0.0000 | 84.228 | 0.03969 | 0.00000 | 316523.1 | 213652.6 | 100632.1 | S |
| 193.800 | 0.0000 | 0.0000 | 84.228 | 0.03969 | 0.00000 | 316523.1 | 213653.8 | 100632.1 | S |
| 193.808 | 0.0000 | 0.0000 | 84.228 | 0.03969 | 0.00000 | 316523.1 | 213655.0 | 100632.1 | S |
| 193.817 | 0.0000 | 0.0000 | 84.228 | 0.03968 | 0.00000 | 316523.1 | 213656.2 | 100632.1 | S |
| 193.825 | 0.0000 | 0.0000 | 84.227 | 0.03968 | 0.00000 | 316523.1 | 213657.4 | 100632.1 | S |
| 193.833 | 0.0000 | 0.0000 | 84.227 | 0.03968 | 0.00000 | 316523.1 | 213658.6 | 100632.1 | S |
| 193.842 | 0.0000 | 0.0000 | 84.227 | 0.03967 | 0.00000 | 316523.1 | 213659.8 | 100632.1 | S |
| 193.850 | 0.0000 | 0.0000 | 84.227 | 0.03967 | 0.00000 | 316523.1 | 213661.0 | 100632.1 | S |
| 193.858 | 0.0000 | 0.0000 | 84.227 | 0.03966 | 0.00000 | 316523.1 | 213662.1 | 100632.1 | S |
| 193.867 | 0.0000 | 0.0000 | 84.227 | 0.03966 | 0.00000 | 316523.1 | 213663.3 | 100632.4 | S |
| 193.875 | 0.0000 | 0.0000 | 84.227 | 0.03966 | 0.00000 | 316523.1 | 213664.5 | 100632.1 | S |
| 193.883 | 0.0000 | 0.0000 | 84.227 | 0.03965 | 0.00000 | 316523.1 | 213665.7 | 100632.1 | S |
| 193.892 | 0.0000 | 0.0000 | 84.226 | 0.03965 | 0.00000 | 316523.1 | 213666.9 | 100632.1 | S |
| 193.900 | 0.0000 | 0.0000 | 84.226 | 0.03965 | 0.00000 | 316523.1 | 213668.1 | 100632.1 | S |
| 193.908 | 0.0000 | 0.0000 | 84.226 | 0.03964 | 0.00000 | 316523.1 | 213669.3 | 100632.1 | S |
| 193.917 | 0.0000 | 0.0000 | 84.226 | 0.03964 | 0.00000 | 316523.1 | 213670.5 | 100632.1 | S |
| 193.925 | 0.0000 | 0.0000 | 84.226 | 0.03964 | 0.00000 | 316523.1 | 213671.7 | 100632.1 | S |
| 193.933 | 0.0000 | 0.0000 | 84.226 | 0.03963 | 0.00000 | 316523.1 | 213672.8 | 100632.1 | S |
| 193.942 | 0.0000 | 0.0000 | 84.226 | 0.03963 | 0.00000 | 316523.1 | 213674.0 | 100632.1 | S |
| 193.950 | 0.0000 | 0.0000 | 84.226 | 0.03963 | 0.00000 | 316523.1 | 213675.2 | 100632.1 | S |
| 193.958 | 0.0000 | 0.0000 | 84.226 | 0.03962 | 0.00000 | 316523.1 | 213676.4 | 100632.1 | S |
| 193.967 | 0.0000 | 0.0000 | 84.225 | 0.03962 | 0.00000 | 316523.1 | 213677.6 | 100632.1 | S |
| 193.975 | 0.0000 | 0.0000 | 84.225 | 0.03962 | 0.00000 | 316523.1 | 213678.8 | 100632.1 | S |
| 193.983 | 0.0000 | 0.0000 | 84.225 | 0.03961 | 0.00000 | 316523.1 | 213680.0 | 100632.1 | S |
| 193.992 | 0.0000 | 0.0000 | 84.225 | 0.03961 | 0.00000 | 316523.1 | 213681.2 | 100632.1 | S |
| 194.000 | 0.0000 | 0.0000 | 84.225 | 0.03961 | 0.00000 | 316523.1 | 213682.4 | 100632.1 | S |
| 194.008 | 0.0000 | 0.0000 | 84.225 | 0.03960 | 0.00000 | 316523.1 | 213683.5 | 100632.1 | S |
| 194.017 | 0.0000 | 0.0000 | 84.225 | 0.03960 | 0.00000 | 316523.1 | 213684.7 | 100632.1 | S |
| 194.025 | 0.0000 | 0.0000 | 84.225 | 0.03960 | 0.00000 | 316523.1 | 213685.9 | 100632.1 | S |
| 194.033 | 0.0000 | 0.0000 | 84.225 | 0.03959 | 0.00000 | 316523.1 | 213687.1 | 100632.1 | S |
| 194.042 | 0.0000 | 0.0000 | 84.224 | 0.03959 | 0.00000 | 316523.1 | 213688.3 | 100632.1 | S |
| 194.050 | 0.0000 | 0.0000 | 84.224 | 0.03959 | 0.00000 | 316523.1 | 213689.5 | 100632.1 | S |
| 194.058 | 0.0000 | 0.0000 | 84.224 | 0.03958 | 0.00000 | 316523.1 | 213690.7 | 100632.1 | S |
| 194.067 | 0.0000 | 0.0000 | 84.224 | 0.03958 | 0.00000 | 316523.1 | 213691.9 | 100632.1 | S |
| 194.075 | 0.0000 | 0.0000 | 84.224 | 0.03958 | 0.00000 | 316523.1 | 213693.0 | 100632.1 | S |
| 194.083 | 0.0000 | 0.0000 | 84.224 | 0.03957 | 0.00000 | 316523.1 | 213694.2 | 100632.1 | S |
| 194.092 | 0.0000 | 0.0000 | 84.224 | 0.03957 | 0.00000 | 316523.1 | 213695.4 | 100632.1 | S |
| 194.100 | 0.0000 | 0.0000 | 84.224 | 0.03957 | 0.00000 | 316523.1 | 213696.6 | 100632.1 | S |
| 194.108 | 0.0000 | 0.0000 | 84.223 | 0.03956 | 0.00000 | 316523.1 | 213697.8 | 100632.1 | S |
| 194.117 | 0.0000 | 0.0000 | 84.223 | 0.03956 | 0.00000 | 316523.1 | 213699.0 | 100632.1 | S |
| 194.125 | 0.0000 | 0.0000 | 84.223 | 0.03956 | 0.00000 | 316523.1 | 213700.2 | 100632.1 | S |
| 194.133 | 0.0000 | 0.0000 | 84.223 | 0.03955 | 0.00000 | 316523.1 | 213701.4 | 100632.1 | S |
| 194.142 | 0.0000 | 0.0000 | 84.223 | 0.03955 | 0.00000 | 316523.1 | 213702.5 | 100632.1 | S |
| 194.150 | 0.0000 | 0.0000 | 84.223 | 0.03955 | 0.00000 | 316523.1 | 213703.7 | 100632.1 | S |
| 194.158 | 0.0000 | 0.0000 | 84.223 | 0.03954 | 0.00000 | 316523.1 | 213704.9 | 100632.1 | S |
| 194.167 | 0.0000 | 0.0000 | 84.223 | 0.03954 | 0.00000 | 316523.1 | 213706.1 | 100632.1 | S |
| 194.175 | 0.0000 | 0.0000 | 84.223 | 0.03954 | 0.00000 | 316523.1 | 213707.3 | 100632.1 | S |
| 194.183 | 0.0000 | 0.0000 | 84.222 | 0.03953 | 0.00000 | 316523.1 | 213708.5 | 100632.1 | S |
| 194.192 | 0.0000 | 0.0000 | 84.222 | 0.03953 | 0.00000 | 316523.1 | 213709.7 | 100632.1 | S |
| 194.200 | 0.0000 | 0.0000 | 84.222 | 0.03952 | 0.00000 | 316523.1 | 213710.8 | 100632.1 | S |
| 194.208 | 0.0000 | 0.0000 | 84.222 | 0.03952 | 0.00000 | 316523.1 | 213712.0 | 100632.1 | S |
| 194.217 | 0.0000 | 0.0000 | 84.222 | 0.03952 | 0.00000 | 316523.1 | 213713.2 | 100632.1 | S |
| 194.225 | 0.0000 | 0.0000 | 84.222 | 0.03951 | 0.00000 | 316523.1 | 213714.4 | 100632.1 | S |
| 194.233 | 0.0000 | 0.0000 | 84.222 | 0.03951 | 0.00000 | 316523.1 | 213715.6 | 100632.1 | S |
| 194.242 | 0.0000 | 0.0000 | 84.222 | 0.03951 | 0.00000 | 316523.1 | 213716.8 | 100632.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | inflow Rate <br> $\left(f^{3} / 5\right)$ | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiliration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 194.250 | 0.0000 | 0.0000 | 84.222 | 0.03950 | 0.00000 | 316523.1 | 213718.0 | 100632.1 | S |
| 194.258 | 0.0000 | 0.0000 | 84.221 | 0.03950 | 0.00000 | 316523.1 | 213719.1 | 100632.1 | S |
| 194.267 | 0.0000 | 0.0000 | 84.221 | 0.03950 | 0.00000 | 316523.1 | 213720.3 | 100632.1 | S |
| 194.275 | 0.0000 | 0.0000 | 84.221 | 0.03949 | 0.00000 | 316523.1 | 213721.5 | 100632.1 | S |
| 194.283 | 0.0000 | 0.0000 | 84.221 | 0.03949 | 0.00000 | 316523.1 | 213722.7 | 100632.1 | S |
| 194.292 | 0.0000 | 0.0000 | 84.221 | 0.03949 | 0.00000 | 316523.1 | 213723.9 | 100632.1 | S |
| 194.300 | 0.0000 | 0.0000 | 84.221 | 0.03948 | 0.00000 | 316523.1 | 213725.1 | 100632.1 | S |
| 194.308 | 0.0000 | 0.0000 | 84.221 | 0.03948 | 0.00000 | 316523.1 | 213726.3 | 100632.1 | S |
| 194.317 | 0.0000 | 0.0000 | 84.221 | 0.03948 | 0.00000 | 316523.1 | 213727.4 | 100632.1 | S |
| 194.325 | 0.0000 | 0.0000 | 84.220 | 0.03947 | 0.00000 | 316523.1 | 213728.6 | 100632.1 | S |
| 194.333 | 0.0000 | 0.0000 | 84.220 | 0.03947 | 0.00000 | 316523.1 | 213729.8 | 100632.1 | S |
| 194.342 | 0.0000 | 0.0000 | 84.220 | 0.03947 | 0.00000 | 316523.1 | 213731.0 | 100632.1 | S |
| 194.350 | 0.0000 | 0.0000 | 84.220 | 0.03946 | 0.00000 | 316523.1 | 213732.2 | 100632.1 | S |
| 194.358 | 0.0000 | 0.0000 | 84.220 | 0.03946 | 0.00000 | 316523.1 | 213733.4 | 100632.7 | S |
| 194.367 | 0.0000 | 0.0000 | 84.220 | 0.03946 | 0.00000 | 316523.1 | 213734.5 | 100632.1 | S |
| 194.375 | 0.0000 | 0.0000 | 84.220 | 0.03945 | 0.00000 | 316523.1 | 213735.7 | 100632.1 | S |
| 194.383 | 0.0000 | 0.0000 | 84.220 | 0.03945 | 0.00000 | 316523.1 | 213736.9 | 100632.1 | S |
| 194.392 | 0.0000 | 0.0000 | 84.220 | 0.03945 | 0.00000 | 316523.1 | 213738.1 | 100632.1 | S |
| 194.400 | 0.0000 | 0.0000 | 84.219 | 0.03944 | 0.00000 | 316523.1 | 213739.3 | 100632.1 | S |
| 194.408 | 0.0000 | 0.0000 | 84.219 | 0.03944 | 0.00000 | 316523.1 | 213740.5 | 100632.1 | S |
| 194.417 | 0.0000 | 0.0000 | 84.219 | 0.03944 | 0.00000 | 316523.1 | 213741.6 | 100632.1 | S |
| 194.425 | 0.0000 | 0.0000 | 84.219 | 0.03943 | 0.00000 | 316523.1 | 213742.8 | 100632.1 | S |
| 194.433 | 0.0000 | 0.0000 | 84.219 | 0.03943 | 0.00000 | 316523.1 | 213744.0 | 100632.1 | S |
| 194.442 | 0.0000 | 0.0000 | 84.219 | 0.03943 | 0.00000 | 316523.1 | 213745.2 | 100632.1 | S |
| 194.450 | 0.0000 | 0.0000 | 84.219 | 0.03942 | 0.00000 | 316523.1 | 213746.4 | 100632.1 | S |
| 194.458 | 0.0000 | 0.0000 | 84.219 | 0.03942 | 0.00000 | 316523.1 | 213747.5 | 100632.1 | S |
| 194.467 | 0.0000 | 0.0000 | 84.219 | 0.03942 | 0.00000 | 316523.1 | 213748.7 | 100632.1 | S |
| 194.475 | 0.0000 | 0.0000 | 84.218 | 0.03941 | 0.00000 | 316523.1 | 213748.9 | 100632.1 | S |
| 194.483 | 0.0000 | 0.0000 | 84.218 | 0.03941 | 0.00000 | 316523.1 | 213751.1 | 100632.1 | S |
| 194.492 | 0.0000 | 0.0000 | 84.218 | 0.03941 | 0.00000 | 316523.1 | 213752.3 | 100632.1 | S |
| 194.500 | 0.0000 | 0.0000 | 84.218 | 0.03940 | 0.00000 | 316523.1 | 213753.5 | 100632.1 | S |
| 194.508 | 0.0000 | 0.0000 | 84.218 | 0.03940 | 0.00000 | 316523.1 | 213754.6 | 100632.1 | S |
| 194.517 | 0.0000 | 0.0000 | 84.218 | 0.03940 | 0.00000 | 316523.1 | 213755.8 | 100632.1 | S |
| 194.525 | 0.0000 | 0.0000 | 84.218 | 0.03939 | 0.00000 | 316523.1 | 213757.0 | 100632.1 | S |
| 194.533 | 0.0000 | 0.0000 | 84.218 | 0.03939 | 0.00000 | 316523.1 | 213758.2 | 100632.1 | S |
| 194.542 | 0.0000 | 0.0000 | 84.217 | 0.03939 | 0.00000 | 316523.1 | 213759.4 | 100632.1 | S |
| 194.550 | 0.0000 | 0.0000 | 84.217 | 0.03938 | 0.00000 | 316523.1 | 213760.5 | 100632.1 | S |
| 194.558 | 0.0000 | 0.0000 | 84.217 | 0.03938 | 0.00000 | 316523.1 | 213761.7 | 100632.1 | S |
| 194.567 | 0.0000 | 0.0000 | 84.217 | 0.03938 | 0.00000 | 316523.1 | 213762.9 | 100632.1 | S |
| 194.575 | 0.0000 | 0.0000 | 84.217 | 0.03937 | 0.00000 | 316523.1 | 213764.1 | 100632.1 | S |
| 194.583 | 0.0000 | 0.0000 | 84.217 | 0.03937 | 0.00000 | 316523.1 | 213765.3 | 100632.1 | S |
| 194.592 | 0.0000 | 0.0000 | 84.217 | 0.03937 | 0.00000 | 316523.1 | 213766.5 | 100632.1 | S |
| 194.600 | 0.0000 | 0.0000 | 84.217 | 0.03936 | 0.00000 | 316523.1 | 213767.6 | 100632.1 | S |
| 194.608 | 0.0000 | 0.0000 | 84.217 | 0.03936 | 0.00000 | 316523.1 | 213768.8 | 100632.1 | S |
| 194.617 | 0.0000 | 0.0000 | 84.216 | 0.03935 | 0.00000 | 316523.1 | 213770.0 | 100632.1 | S |
| 194.625 | 0.0000 | 0.0000 | 84.216 | 0.03935 | 0.00000 | 316523.1 | 213771.2 | 100632.1 | S |
| 194.633 | 0.0000 | 0.0000 | 84.216 | 0.03935 | 0.00000 | 316523.1 | 213772.4 | 100632.1 | S |
| 194.642 | 0.0000 | 0.0000 | 84.216 | 0.03934 | 0.00000 | 316523.1 | 213773.5 | 100632.1 | S |
| 194.650 | 0.0000 | 0.0000 | 84.216 | 0.03934 | 0.00000 | 316523.1 | 213774.7 | 100632.1 | S |
| 194.658 | 0.0000 | 0.0000 | 84.216 | 0.03934 | 0.00000 | 316523.1 | 213775.9 | 100632.1 | S |
| 194.667 | 0.0000 | 0.0000 | 84.216 | 0.03933 | 0.00000 | 316523.1 | 213777.1 | 100632.1 | S |
| 194.675 | 0.0000 | 0.0000 | 84.216 | 0.03933 | 0.00000 | 316523.1 | 213778.3 | 100632.1 | S |
| 194.683 | 0.0000 | 0.0000 | 84.216 | 0.03933 | 0.00000 | 316523.1 | 213779.4 | 100632.1 | S |
| 194.692 | 0.0000 | 0.0000 | 84.215 | 0.03932 | 0.00000 | 316523.1 | 213780.6 | 100632.1 | S |
| 194.700 | 0.0000 | 0.0000 | 84.215 | 0.03932 | 0.00000 | 316523.1 | 213781.8 | 100632.1 | S |
| 194.708 | 0.0000 | 0.0000 | 84.215 | 0.03932 | 0.00000 | 316523.1 | 213783.0 | 100632.1 | S |
| 194.717 | 0.0000 | 0.0000 | 84.215 | 0.03931 | 0.00000 | 316523.1 | 213784.2 | 100632.1 | S |
| 194.725 | 0.0000 | 0.0000 | 84.215 | 0.03931 | 0.00000 | 316523.1 | 213785.3 | 100632.1 | S |
| 194.733 | 0.0000 | 0.0000 | 84.215 | 0.03931 | 0.00000 | 316523.1 | 213786.5 | 100632.1 | S |
| 194.742 | 0.0000 | 0.0000 | 84.215 | 0.03930 | 0.00000 | 316523.1 | 213787.7 | 100632.1 | S |
| 194.750 | 0.0000 | 0.0000 | 84.215 | 0.03930 | 0.00000 | 316523.1 | 213788.9 | 100632.1 | S |
| 194.758 | 0.0000 | 0.0000 | 84.214 | 0.03930 | 0.00000 | 316523.1 | 213790.1 | 100632.1 | S |
| 194.767 | 0.0000 | 0.0000 | 84.214 | 0.03929 | 0.00000 | 316523.1 | 213791.2 | 100632.1 | S |
| 194.775 | 0.0000 | 0.0000 | 84.214 | 0.03929 | 0.00000 | 316523.1 | 213792.4 | 100632.1 | S |
| 194.783 | 0.0000 | 0.0000 | 84.214 | 0.03929 | 0.00000 | 316523.1 | 213793.6 | 100632.1 | S |
| 194.792 | 0.0000 | 0.0000 | 84.214 | 0.03928 | 0.00000 | 316523.1 | 213794.8 | 100632.1 | S |
| 194.800 | 0.0000 | 0.0000 | 84.214 | 0.03928 | 0.00000 | 316523.1 | 213796.0 | 100632.1 | S |
| 194.808 | 0.0000 | 0.0000 | 84.214 | 0.03928 | 0.00000 | 316523.1 | 213797.1 | 100632.1 | S |
| 194.817 | 0.0000 | 0.0000 | 84.214 | 0.03927 | 0.00000 | 316523.1 | 213798.3 | 100632.1 | S |
| 194.825 | 0.0000 | 0.0000 | 84.214 | 0.03927 | 0.00000 | 316523.1 | 213799.5 | 100632.1 | S |
| 194.833 | 0.0000 | 0.0000 | 84.213 | 0.03927 | 0.00000 | 316523.1 | 213800.7 | 100632.1 | S |
| 194.842 | 0.0000 | 0.0000 | 84.213 | 0.03926 | 0.00000 | 316523.1 | 213801.8 | 100632.1 | S |
| 194.850 | 0.0000 | 0.0000 | 84.213 | 0.03926 | 0.00000 | 316523.1 | 213803.0 | 100632.1 | S |
| 194.858 | 0.0000 | 0.0000 | 84.213 | 0.03926 | 0.00000 | 316523.1 | 213804.2 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont, d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{t}^{3 /} \mathrm{s}$ ) | Outside <br> Recharge (ft/day) | Stage Elevation (fi datum) | Infilitration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{t}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{t}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 194.867 | 0.0000 | 0.0000 | 84.213 | 0.03925 | 0.00000 | 316523.1 | 213805.4 | 100632.1 | S |
| 194.875 | 0.0000 | 0.0000 | 84.213 | 0.03925 | 0.00000 | 316523.1 | 213806.5 | 100632.1 | S |
| 194.883 | 0.0000 | 0.0000 | 84.213 | 0.03925 | 0.00000 | 316523.1 | 213807.7 | 100632.1 | S |
| 194.892 | 0.0000 | 0.0000 | 84.213 | 0.03924 | 0.00000 | 316523.1 | 213808.9 | 100632.1 | S |
| 194.900 | 0.0000 | 0.0000 | 84.213 | 0.03924 | 0.00000 | 316523.1 | 213810.1 | 100632.1 | S |
| 194.908 | 0.0000 | 0.0000 | 84.212 | 0.03924 | 0.00000 | 316523.1 | 213811.3 | 100632.1 | S |
| 194.917 | 0.0000 | 0.0000 | 84.212 | 0.03923 | 0.00000 | 316523.1 | 213812.4 | 100632.1 | S |
| 194.925 | 0.0000 | 0.0000 | 84.212 | 0.03923 | 0.00000 | 316523.1 | 213813.6 | 100632.1 | S |
| 194.933 | 0.0000 | 0.0000 | 84.212 | 0.03923 | 0.00000 | 316523.1 | 213814.8 | 100632.1 | S |
| 194.942 | 0.0000 | 0.0000 | 84.212 | 0.03922 | 0.00000 | 316523.1 | 213816.0 | 100632.1 | S |
| 194.950 | 0.0000 | 0.0000 | 84.212 | 0.03922 | 0.00000 | 316523.1 | 213817.1 | 100632.1 | S |
| 194.958 | 0.0000 | 0.0000 | 84.212 | 0.03922 | 0.00000 | 316523.1 | 213818.3 | 100632.1 | S |
| 194.967 | 0.0000 | 0.0000 | 84.212 | 0.03921 | 0.00000 | 316523.1 | 213819.5 | 100632.1 | S |
| 194.975 | 0.0000 | 0.0000 | 84.211 | 0.03921 | 0.00000 | 316523.1 | 213820.7 | 100632.1 | S |
| 194.983 | 0.0000 | 0.0000 | 84.211 | 0.03921 | 0.00000 | 316523.1 | 213821.8 | 100632.1 | S |
| 194.992 | 0.0000 | 0.0000 | 84.211 | 0.03920 | 0.00000 | 316523.1 | 213823.0 | 100632.1 | S |
| 195.000 | 0.0000 | 0.0000 | 84.211 | 0.03920 | 0.00000 | 316523.1 | 213824.2 | 100632.1 | S |
| 195.008 | 0.0000 | 0.0000 | 84.211 | 0.03920 | 0.00000 | 316523.1 | 213825.4 | 100632.1 | S |
| 195.017 | 0.0000 | 0.0000 | 84.211 | 0.03919 | 0.00000 | 316523.1 | 213826.6 | 100632.1 | S |
| 195.025 | 0.0000 | 0.0000 | 84.211 | 0.03919 | 0.00000 | 316523.1 | 213827.7 | 100632.1 | S |
| 195.033 | 0.0000 | 0.0000 | 84.211 | 0.03919 | 0.00000 | 316523.1 | 213828.9 | 100632.1 | S |
| 195.042 | 0.0000 | 0.0000 | 84.211 | 0.03918 | 0.00000 | 316523.1 | 213830.1 | 100632.1 | S |
| 195.050 | 0.0000 | 0.0000 | 84.210 | 0.03918 | 0.00000 | 316523.1 | 213831.3 | 100632.1 | S |
| 195.058 | 0.0000 | 0.0000 | 84.210 | 0.03918 | 0.00000 | 316523.1 | 213832.4 | 100632.1 | S |
| 195.067 | 0.0000 | 0.0000 | 84.210 | 0.03917 | 0.00000 | 316523.1 | 213833.6 | 100632.1 | S |
| 195.075 | 0.0000 | 0.0000 | 84.210 | 0.03917 | 0.00000 | 316523.1 | 213834.8 | 100632.1 | S |
| 195.083 | 0.0000 | 0.0000 | 84.210 | 0.03917 | 0.00000 | 316523.1 | 213836.0 | 100632.1 | S |
| 195.092 | 0.0000 | 0.0000 | 84.210 | 0.03916 | 0.00000 | 316523.1 | 213837.1 | 100632.1 | S |
| 195.100 | 0.0000 | 0.0000 | 84.210 | 0.03916 | 0.00000 | 316523.1 | 213838.3 | 100632.1 | S |
| 195.108 | 0.0000 | 0.0000 | 84.210 | 0.03916 | 0.00000 | 316523.1 | 213839.5 | 100632.1 | S |
| 195.117 | 0.0000 | 0.0000 | 84.210 | 0.03915 | 0.00000 | 316523.1 | 213840.7 | 100632.1 | S |
| 195.125 | 0.0000 | 0.0000 | 84.209 | 0.03915 | 0.00000 | 316523.1 | 213841.8 | 100632.1 | S |
| 195.133 | 0.0000 | 0.0000 | 84.209 | 0.03915 | 0.00000 | 316523.1 | 213843.0 | 100632.1 | S |
| 195.142 | 0.0000 | 0.0000 | 84.209 | 0.03914 | 0.00000 | 316523.1 | 213844.2 | 100632.3 | S |
| 195.150 | 0.0000 | 0.0000 | 84.209 | 0.03914 | 0.00000 | 316523.1 | 213845.4 | 100632.1 | S |
| 195.158 | 0.0000 | 0.0000 | 84.209 | 0.03914 | 0.00000 | 316523.1 | 213846.5 | 100632.1 | S |
| 195.167 | 0.0000 | 0.0000 | 84.209 | 0.03913 | 0.00000 | 316523.1 | 213847.7 | 100632.1 | S |
| 195.175 | 0.0000 | 0.0000 | 84.209 | 0.03913 | 0.00000 | 316523.1 | 213848.9 | 100632.1 | S |
| 195.183 | 0.0000 | 0.0000 | 84.209 | 0.03913 | 0.00000 | 316523.1 | 213850.0 | 100632.1 | S |
| 195.192 | 0.0000 | 0.0000 | 84.208 | 0.03912 | 0.00000 | 316523.1 | 213851.2 | 100632.1 | S |
| 195.200 | 0.0000 | 0.0000 | 84.208 | 0.03912 | 0.00000 | 316523.1 | 213852.4 | 100632.1 | S |
| 195.208 | 0.0000 | 0.0000 | 84.208 | 0.03911 | 0.00000 | 316523.1 | 213853.6 | 100632.1 | S |
| 195.217 | 0.0000 | 0.0000 | 84.208 | 0.03911 | 0.00000 | 316523.1 | 213854.8 | 100632.1 | S |
| 195.225 | 0.0000 | 0.0000 | 84.208 | 0.03911 | 0.00000 | 316523.1 | 213855.9 | 100632.1 | S |
| 195.233 | 0.0000 | 0.0000 | 84.208 | 0.03910 | 0.00000 | 316523.1 | 213857.1 | 100632.1 | S |
| 195.242 | 0.0000 | 0.0000 | 84.208 | 0.03910 | 0.00000 | 316523.1 | 213858.3 | 100632.1 | S |
| 195.250 | 0.0000 | 0.0000 | 84.208 | 0.03910 | 0.00000 | 316523.1 | 213859.4 | 100632.1 | S |
| 195.258 | 0.0000 | 0.0000 | 84.208 | 0.03909 | 0.00000 | 316523.1 | 213860.6 | 100632.1 | S |
| 195.267 | 0.0000 | 0.0000 | 84.207 | 0.03909 | 0.00000 | 316523.1 | 213861.8 | 100632.1 | S |
| 195.275 | 0.0000 | 0.0000 | 84.207 | 0.03909 | 0.00000 | 316523.1 | 213863.0 | 100632.1 | S |
| 195.283 | 0.0000 | 0.0000 | 84.207 | 0.03908 | 0.00000 | 316523.1 | 213864.1 | 100632.1 | S |
| 195.292 | 0.0000 | 0.0000 | 84.207 | 0.03908 | 0.00000 | 316523.1 | 213865.3 | 100632.1 | S |
| 195.300 | 0.0000 | 0.0000 | 84.207 | 0.03908 | 0.00000 | 316523.1 | 213866.5 | 100632.1 | S |
| 195.308 | 0.0000 | 0.0000 | 84.207 | 0.03907 | 0.00000 | 316523.1 | 213867.6 | 100632.1 | S |
| 195.317 | 0.0000 | 0.0000 | 84.207 | 0.03907 | 0.00000 | 316523.1 | 213868.8 | 100632.1 | S |
| 195.325 | 0.0000 | 0.0000 | 84.207 | 0.03907 | 0.00000 | 316523.1 | 213870.0 | 100632.1 | S |
| 195.333 | 0.0000 | 0.0000 | 84.207 | 0.03906 | 0.00000 | 316523.1 | 213871.2 | 100632.1 | S |
| 195.342 | 0.0000 | 0.0000 | 84.206 | 0.03906 | 0.00000 | 316523.1 | 213872.3 | 100632.1 | S |
| 195.350 | 0.0000 | 0.0000 | 84.206 | 0.03906 | 0.00000 | 316523.1 | 213873.5 | 100632.1 | S |
| 195.358 | 0.0000 | 0.0000 | 84.206 | 0.03905 | 0.00000 | 316523.1 | 213874.7 | 100632.1 | S |
| 195.367 | 0.0000 | 0.0000 | 84.206 | 0.03905 | 0.00000 | 316523.1 | 213875.8 | 100632.1 | S |
| 195.375 | 0.0000 | 0.0000 | 84.206 | 0.03905 | 0.00000 | 316523.1 | 213877.0 | 100632.1 | S |
| 195.383 | 0.0000 | 0.0000 | 84.206 | 0.03904 | 0.00000 | 316523.1 | 213878.2 | 100632.1 | S |
| 195.392 | 0.0000 | 0.0000 | 84.206 | 0.03904 | 0.00000 | 316523.1 | 213879.4 | 100632.1 | S |
| 195.400 | 0.0000 | 0.0000 | 84.206 | 0.03904 | 0.00000 | 316523.1 | 213880.5 | 100632.1 | S |
| 195.408 | 0.0000 | 0.0000 | 84.206 | 0.03903 | 0.00000 | 316523.1 | 213881.7 | 100632.1 | S |
| 195.417 | 0.0000 | 0.0000 | 84.205 | 0.03903 | 0.00000 | 316523.1 | 213882.9 | 100632.1 | S |
| 195.425 | 0.0000 | 0.0000 | 84.205 | 0.03903 | 0.00000 | 316523.1 | 213884.0 | 100632.1 | S |
| 195.433 | 0.0000 | 0.0000 | 84.205 | 0.03902 | 0.00000 | 316523.1 | 213885.2 | 100632.1 | S |
| 195.442 | 0.0000 | 0.0000 | 84.205 | 0.03902 | 0.00000 | 316523.1 | 213886.4 | 100632.1 | S |
| 195.450 | 0.0000 | 0.0000 | 84.205 | 0.03902 | 0.00000 | 316523.1 | 213887.6 | 100632.1 | S |
| 195.458 | 0.0000 | 0.0000 | 84.205 | 0.03901 | 0.00000 | 316523.1 | 213888.7 | 100632.1 | S |
| 195.467 | 0.0000 | 0.0000 | 84.205 | 0.03901 | 0.00000 | 316523.1 | 213889.9 | 100632.1 | S |
| 195.475 | 0.0000 | 0.0000 | 84.205 | 0.03901 | 0.00000 | 316523.1 | 213891.1 | 100632.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | 乡nflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (fitday) | Stage Elevation (fl datum) | Infiltration Rate (f13/s) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 195.483 | 0.0000 | 0.0000 | 84.204 | 0.03900 | 0.00000 | 316523.1 | 213892.2 | 100632.1 | S |
| 195.492 | 0.0000 | 0.0000 | 84.204 | 0.03900 | 0.00000 | 316523.1 | 213893.4 | 100632.1 | S |
| 195.500 | 0.0000 | 0.0000 | 84.204 | 0.03900 | 0.00000 | 316523.1 | 213894.6 | 100632.1 | S |
| 195.508 | 0.0000 | 0.0000 | 84.204 | 0.03899 | 0.00000 | 316523.1 | 213895.8 | 100632.1 | S |
| 195.517 | 0.0000 | 0.0000 | 84.204 | 0.03899 | 0.00000 | 316523.1 | 213896.9 | 100632.1 | S |
| 195.525 | 0.0000 | 0.0000 | 84.204 | 0.03899 | 0.00000 | 316523.1 | 213898.1 | 100632.1 | S |
| 195.533 | 0.0000 | 0.0000 | 84.204 | 0.03898 | 0.00000 | 316523.1 | 213899.3 | 100632.1 | S |
| 195.542 | 0.0000 | 0.0000 | 84.204 | 0.03898 | 0.00000 | 316523.1 | 213900.4 | 100632.1 | S |
| 195.550 | 0.0000 | 0.0000 | 84.204 | 0.03898 | 0.00000 | 316523.1 | 213901.6 | 100632.1 | S |
| 195.558 | 0.0000 | 0.0000 | 84.203 | 0.03897 | 0.00000 | 316523.1 | 213902.8 | 100632.1 | S |
| 195.567 | 0.0000 | 0.0000 | 84.203 | 0.03897 | 0.00000 | 316523.1 | 213903.9 | 100632.1 | S |
| 195.575 | 0.0000 | 0.0000 | 84.203 | 0.03897 | 0.00000 | 316523.1 | 213905.1 | 100632.1 | S |
| 195.583 | 0.0000 | 0.0000 | 84.203 | 0.03896 | 0.00000 | 316523.1 | 213906.3 | 100632.1 | S |
| 195.592 | 0.0000 | 0.0000 | 84.203 | 0.03896 | 0.00000 | 316523.1 | 213907.4 | 100632.1 | S |
| 195.600 | 0.0000 | 0.0000 | 84.203 | 0.03896 | 0.00000 | 316523.1 | 213908.6 | 100632.1 | S |
| 195.608 | 0.0000 | 0.0000 | 84.203 | 0.03895 | 0.00000 | 316523.1 | 213909.8 | 100632.1 | S |
| 195.617 | 0.0000 | 0.0000 | 84.203 | 0.03895 | 0.00000 | 316523.1 | 213911.0 | 100632.1 | S |
| 195.625 | 0.0000 | 0.0000 | 84.203 | 0.03895 | 0.00000 | 316523.1 | 213912.1 | 100632.1 | S |
| 195.633 | 0.0000 | 0.0000 | 84.202 | 0.03894 | 0.00000 | 316523.1 | 213913.3 | 100632.1 | S |
| 195.642 | 0.0000 | 0.0000 | 84.202 | 0.03894 | 0.00000 | 316523.1 | 213914.5 | 100632.1 | S |
| 195.650 | 0.0000 | 0.0000 | 84.202 | 0.03894 | 0.00000 | 316523.1 | 213915.6 | 100632.1 | S |
| 195.658 | 0.0000 | 0.0000 | 84.202 | 0.03893 | 0.00000 | 316523.1 | 213916.8 | 100632.1 | S |
| 195.667 | 0.0000 | 0.0000 | 84.202 | 0.03893 | 0.00000 | 316523.1 | 213918.0 | 100632.1 | S |
| 195.675 | 0.0000 | 0.0000 | 84.202 | 0.03893 | 0.00000 | 316523.1 | 213919.1 | 100632.1 | S |
| 195.683 | 0.0000 | 0.0000 | 84.202 | 0.03892 | 0.00000 | 316523.1 | 213920.3 | 100632.1 | S |
| 195.692 | 0.0000 | 0.0000 | 84.202 | 0.03892 | 0.00000 | 316523.1 | 213921.5 | 100632.1 | S |
| 195.700 | 0.0000 | 0.0000 | 84.201 | 0.03892 | 0.00000 | 316523.1 | 213922.6 | 100632.1 | S |
| 195.708 | 0.0000 | 0.0000 | 84.201 | 0.03891 | 0.00000 | 316523.1 | 213923.8 | 100632.1 | S |
| 195.717 | 0.0000 | 0.0000 | 84.201 | 0.03891 | 0.00000 | 316523.1 | 213925.0 | 100632.1 | S |
| 195.725 | 0.0000 | 0.0000 | 84.201 | 0.03891 | 0.00000 | 316523.1 | 213926.1 | 100632.1 | S |
| 195.733 | 0.0000 | 0.0000 | 84.201 | 0.03890 | 0.00000 | 316523.1 | 213927.3 | 100632.1 | S |
| 195.742 | 0.0000 | 0.0000 | 84.201 | 0.03890 | 0.00000 | 316523.1 | 213928.5 | 100632.1 | S |
| \$95.750 | 0.0000 | 0.0000 | 84.201 | 0.03890 | 0.00000 | 316523.1 | 213929.6 | 100632.1 | S |
| 195.758 | 0.0000 | 0.0000 | 84.201 | 0.03889 | 0.00000 | 316523.1 | 213930.8 | 100632.1 | S |
| 195.767 | 0.0000 | 0.0000 | 84.201 | 0.03889 | 0.00000 | 316523.1 | 213932.0 | 100632.1 | S |
| 195.775 | 0.0000 | 0.0000 | 84.200 | 0.03889 | 0.00000 | 316523.1 | 213933.1 | 100632.1 | S |
| 195.783 | 0.0000 | 0.0000 | 84.200 | 0.03888 | 0.00000 | 316523.1 | 213934.3 | 100632.1 | S |
| 195.792 | 0.0000 | 0.0000 | 84.200 | 0.03888 | 0.00000 | 316523.1 | 213935.5 | 100632.1 | S |
| 195.800 | 0.0000 | 0.0000 | 84.200 | 0.03888 | 0.00000 | 316523.1 | 213936.6 | 100632.1 | S |
| 195.808 | 0.0000 | 0.0000 | 84.200 | 0.03887 | 0.00000 | 316523.1 | 213937.8 | 100632.1 | S |
| $\$ 95.817$ | 0.0000 | 0.0000 | 84.200 | 0.03887 | 0.00000 | 316523.1 | 213939.0 | 100632.1 | S |
| 195.825 | 0.0000 | 0.0000 | 84.200 | 0.03887 | 0.00000 | 316523.1 | 213940.1 | 100632.1 | S |
| 195.833 | 0.0000 | 0.0000 | 84.200 | 0.03886 | 0.00000 | 316523.1 | 213941.3 | 100632.1 | S |
| 195.842 | 0.0000 | 0.0000 | 84.200 | 0.03886 | 0.00000 | 316523.1 | 213942.5 | 100632.1 | S |
| 195.850 | 0.0000 | 0.0000 | 84.199 | 0.03886 | 0.00000 | 316523.1 | 213943.6 | 100632.1 | S |
| 195.858 | 0.0000 | 0.0000 | 84.199 | 0.03885 | 0.00000 | 316523.1 | 213944.8 | 100632.1 | S |
| 195.867 | 0.0000 | 0.0000 | 84.199 | 0.03885 | 0.00000 | 316523.1 | 213946.0 | 100632.1 | S |
| 195.875 | 0.0000 | 0.0000 | 84.199 | 0.03885 | 0.00000 | 316523.1 | 213947.1 | 100632.1 | S |
| 195.883 | 0.0000 | 0.0000 | 84.199 | 0.03884 | 0.00000 | 316523.1 | 213948.3 | 100632.1 | S |
| 195.892 | 0.0000 | 0.0000 | 84.199 | 0.03884 | 0.00000 | 316523.1 | 213949.5 | 100632.1 | S |
| 195.900 | 0.0000 | 0.0000 | 84.199 | 0.03884 | 0.00000 | 316523.1 | 213950.6 | 100632.1 | S |
| 195.908 | 0.0000 | 0.0000 | 84.199 | 0.03883 | 0.00000 | 316523.1 | 213951.8 | 100632.1 | S |
| 195.917 | 0.0000 | 0.0000 | 84.199 | 0.03883 | 0.00000 | 316523.1 | 213953.0 | 100632.1 | S |
| 195.925 | 0.0000 | 0.0000 | 84.198 | 0.03883 | 0.00000 | 316523.1 | 213954.1 | 100632.1 | S |
| 195.933 | 0.0000 | 0.0000 | 84.198 | 0.03882 | 0.00000 | 316523.1 | 213955.3 | 100632.1 | S |
| 195.942 | 0.0000 | 0.0000 | 84,198 | 0.03882 | 0.00000 | 316523.1 | 213956.4 | 100632.1 | S |
| 195.950 | 0.0000 | 0.0000 | 84.198 | 0.03882 | 0.00000 | 316523.1 | 213957.6 | 100632.1 | S |
| 195.958 | 0.0000 | 0.0000 | 84.198 | 0.03881 | 0.00000 | 316523.1 | 213958.8 | 100632.1 | S |
| 195.967 | 0.0000 | 0.0000 | 84.198 | 0.03881 | 0.00000 | 316523.1 | 213959.9 | 100632.1 | S |
| 195.975 | 0.0000 | 0.0000 | 84.198 | 0.03881 | 0.00000 | 316523.1 | 213961.1 | 100632.1 | S |
| 195.983 | 0.0000 | 0.0000 | 84.198 | 0.03880 | 0.00000 | 316523.1 | 213962.3 | 100632.1 | S |
| 195.992 | 0.0000 | 0.0000 | 84.197 | 0.03880 | 0.00000 | 316523.1 | 213963.4 | 100632.1 | S |
| 196.000 | 0.0000 | 0.0000 | 84.197 | 0.03880 | 0.00000 | 316523.1 | 213964.6 | 100632.1 | S |
| 196.008 | 0.0000 | 0.0000 | 84.197 | 0.03879 | 0.00000 | 316523.1 | 213965.8 | 100632.1 | S |
| 196.017 | 0.0000 | 0.0000 | 84.197 | 0.03879 | 0.00000 | 316523.1 | 213966.9 | 100632.1 | S |
| 196.025 | 0.0000 | 0.0000 | 84.197 | 0.03879 | 0.00000 | 316523.1 | 213968.1 | 100632.1 | S |
| 196.033 | 0.0000 | 0.0000 | 84.197 | 0.03878 | 0.00000 | 316523.1 | 213969.3 | 100632.1 | S |
| 196.042 | 0.0000 | 0.0000 | 84.197 | 0.03878 | 0.00000 | 316523.1 | 213970.4 | 100632.1 | S |
| 196.050 | 0.0000 | 0.0000 | 84.197 | 0.03878 | 0.00000 | 316523.1 | 213971.6 | 100632.1 | S |
| 196.058 | 0.0000 | 0.0000 | 84.197 | 0.03877 | 0.00000 | 316523.1 | 213972.7 | 100632.1 | S |
| 196.067 | 0.0000 | 0.0000 | 84.196 | 0.03877 | 0.00000 | 316523.1 | 213973.9 | 100632.1 | S |
| 196.075 | 0.0000 | 0.0000 | 84.196 | 0.03877 | 0.00000 | 316523.1 | 213975.1 | 100632.1 | S |
| 196.083 | 0.0000 | 0.0000 | 84.196 | 0.03876 | 0.00000 | 316523.1 | 213976.2 | 100632.1 | S |
| 196.092 | 0.0000 | 0.0000 | 84.196 | 0.03876 | 0.00000 | 316523.1 | 213977.4 | 100632.1 | S |

PONDS Version 3.2.0207

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate (ft3/s) | Outside Recharge (fUday) | Stage Elevation (ft datum) | Infiltration Rate (ffiss) | Overflow Discharge ( $f^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 196.100 | 0.0000 | 0.0000 | 84.196 | 0.03876 | 0.00000 | 316523.1 | 213978.5 | 100632.1 | S |
| 196.108 | 0.0000 | 0.0000 | 84.196 | 0.03875 | 0.00000 | 316523.1 | 213979.7 | 100632.1 | S |
| 196.117 | 0.0000 | 0.0000 | 84.196 | 0.03875 | 0.00000 | 316523.1 | 213980.9 | 100632.1 | S |
| 196.125 | 0.0000 | 0.0000 | 84.196 | 0.03875 | 0.00000 | 316523.1 | 213982.0 | 100632.1 | S |
| 196.133 | 0.0000 | 0.0000 | 84.196 | 0.03874 | 0.00000 | 316523.1 | 213983.2 | 100632.1 | S |
| 196.142 | 0.0000 | 0.0000 | 84.195 | 0.03874 | 0.00000 | 316523.1 | 213984.4 | 100632.1 | S |
| 196.150 | 0.0000 | 0.0000 | 84.195 | 0.03874 | 0.00000 | 316523.1 | 213985.5 | 100632.1 | S |
| 196.158 | 0.0000 | 0.0000 | 84.195 | 0.03873 | 0.00000 | 316523.1 | 213986.7 | 100632.1 | S |
| 196.167 | 0.0000 | 0.0000 | 84.195 | 0.03873 | 0.00000 | 316523.1 | 213987.9 | 100632.1 | S |
| 196.175 | 0.0000 | 0.0000 | 84.195 | 0.03873 | 0.00000 | 316523.1 | 213989.0 | 100632.1 | S |
| 196.183 | 0.0000 | 0.0000 | 84.195 | 0.03872 | 0.00000 | 316523.1 | 213990.2 | 100632.1 | S |
| 196.192 | 0.0000 | 0.0000 | 84.195 | 0.03872 | 0.00000 | 316523.1 | 213991.3 | 100632.1 | S |
| 196.200 | 0.0000 | 0.0000 | 84.195 | 0.03872 | 0.00000 | 316523.1 | 213992.5 | 100632.1 | S |
| 196,208 | 0.0000 | 0.0000 | 84.195 | 0.03871 | 0.00000 | 316523.1 | 213993.7 | 100632.1 | S |
| 196.217 | 0.0000 | 0.0000 | 84.194 | 0.03871 | 0.00000 | 316523.1 | 213994.8 | 100632.1 | S |
| 196.225 | 0.0000 | 0.0000 | 84.194 | 0.03871 | 0.00000 | 316523.1 | 213996.0 | 100632.1 | S |
| 196.233 | 0.0000 | 0.0000 | 84.194 | 0.03870 | 0.00000 | 316523.1 | 213997.1 | 100632.1 | S |
| 196.242 | 0.0000 | 0.0000 | 84.194 | 0.03870 | 0.00000 | 316523.1 | 213998.3 | 100632.1 | S |
| 196.250 | 0.0000 | 0.0000 | 84.194 | 0.03870 | 0.00000 | 316523.1 | 213999.5 | 100632.1 | S |
| 196.258 | 0.0000 | 0.0000 | 84.194 | 0.03869 | 0.00000 | 316523.1 | 214000.6 | 100632.1 | S |
| 196.267 | 0.0000 | 0.0000 | 84.194 | 0.03869 | 0.00000 | 316523.1 | 214001.8 | 100632.1 | S |
| 196.275 | 0.0000 | 0.0000 | 84.194 | 0.03869 | 0.00000 | 316523.1 | 214003.0 | 100632.1 | S |
| 196.283 | 0.0000 | 0.0000 | 84.193 | 0.03868 | 0.00000 | 316523.1 | 214004.1 | 100632.1 | S |
| 196.292 | 0.0000 | 0.0000 | 84.193 | 0.03868 | 0.00000 | 316523.1 | 214005.3 | 100632.1 | S |
| 196.300 | 0.0000 | 0.0000 | 84.193 | 0.03868 | 0.00000 | 316523.1 | 214006.4 | 100632.1 | S |
| 196.308 | 0.0000 | 0.0000 | 84.193 | 0.03867 | 0.00000 | 316523.1 | 214007.6 | 100632.1 | S |
| 196.317 | 0.0000 | 0.0000 | 84.193 | 0.03867 | 0.00000 | 316523.1 | 214008.8 | 100632.1 | S |
| 196.325 | 0.0000 | 0.0000 | 84.193 | 0.03867 | 0.00000 | 316523.1 | 214009.9 | 100632.1 | S |
| 196.333 | 0.0000 | 0.0000 | 84.193 | 0.03866 | 0.00000 | 316523.1 | 214011.1 | 100632.1 | S |
| $\ddagger 96.342$ | 0.0000 | 0.0000 | 84.193 | 0.03866 | 0.00000 | 316523.1 | 214012.2 | 100632.1 | S |
| 196.350 | 0.0000 | 0.0000 | 84.193 | 0.03866 | 0.00000 | 316523.1 | 214013.4 | 100632.1 | S |
| 196.358 | 0.0000 | 0.0000 | 84.192 | 0.03865 | 0.00000 | 316523.1 | 214014.5 | 100632.1 | S |
| 196.367 | 0.0000 | 0.0000 | 84.192 | 0.03865 | 0.00000 | 316523.1 | 214015.7 | 100632.1 | S |
| 196.375 | 0.0000 | 0.0000 | 84.192 | 0.03865 | 0.00000 | 316523.1 | 214016.9 | 100632.1 | S |
| 196.383 | 0.0000 | 0.0000 | 84.192 | 0.03864 | 0.00000 | 316523.1 | 214018.0 | 100632.1 | S |
| 196.392 | 0.0000 | 0.0000 | 84.192 | 0.03864 | 0.00000 | 316523.1 | 214019.2 | 100632,1 | S |
| 196.400 | 0.0000 | 0.0000 | 84.192 | 0.03864 | 0.00000 | 316523.1 | 214020.3 | 100632.1 | S |
| 196.408 | 0.0000 | 0.0000 | 84.192 | 0.03863 | 0.00000 | 316523.1 | 214021.5 | 100632.1 | S |
| 196.417 | 0.0000 | 0.0000 | 84.192 | 0.03863 | 0.00000 | 316523.1 | 214022.7 | 100632.1 | S |
| 196.425 | 0.0000 | 0.0000 | 84.192 | 0.03863 | 0.00000 | 316523.1 | 214023.8 | 100632.1 | S |
| 196.433 | 0.0000 | 0.0000 | 84.191 | 0.03862 | 0.00000 | 316523.1 | 214025.0 | 100632.1 | S |
| 196.442 | 0.0000 | 0.0000 | 84.191 | 0.03862 | 0.00000 | 316523.1 | 214026.1 | 100632.1 | S |
| 196.450 | 0.0000 | 0.0000 | 84.191 | 0.03862 | 0.00000 | 316523.1 | 214027.3 | 100632.1 | S |
| 196.458 | 0.0000 | 0.0000 | 84.191 | 0.03861 | 0.00000 | 316523.1 | 214028.5 | 100632.1 | S |
| 196.467 | 0.0000 | 0.0000 | 84.191 | 0.03861 | 0.00000 | 316523.1 | 214029.6 | 100632.1 | S |
| 196.475 | 0.0000 | 0.0000 | 84.191 | 0.03867 | 0.00000 | 316523.1 | 214030.8 | 100632.1 | S |
| 196.483 | 0.0000 | 0.0000 | 84.191 | 0.03860 | 0.00000 | 316523.1 | 214031.9 | 100632.1 | S |
| 196.492 | 0.0000 | 0.0000 | 84.191 | 0.03860 | 0.00000 | 316523.1 | 214033.1 | 100632.1 | S |
| 196.500 | 0.0000 | 0.0000 | 84.190 | 0.03860 | 0.00000 | 316523.1 | 214034.3 | 100632.1 | S |
| 196.508 | 0.0000 | 0.0000 | 84.190 | 0.03859 | 0.00000 | 316523.1 | 214035.4 | 100632.1 | S |
| 196.517 | 0.0000 | 0.0000 | 84.190 | 0.03859 | 0.00000 | 316523.1 | 214036.6 | 100632.1 | S |
| 196.525 | 0.0000 | 0.0000 | 84.190 | 0.03859 | 0.00000 | 316523.1 | 214037.7 | 100632.1 | S |
| 196.533 | 0.0000 | 0.0000 | 84.190 | 0.03858 | 0.00000 | 316523.1 | 214038.9 | 100632.1 | S |
| 196.542 | 0.0000 | 0.0000 | 84.190 | 0.03858 | 0.00000 | 316523.1 | 214040.0 | 100632. 1 | S |
| 196.550 | 0.0000 | 0.0000 | 84.190 | 0.03858 | 0.00000 | 316523.1 | 214041.2 | 100632.1 | S |
| 196.558 | 0.0000 | 0.0000 | 84.190 | 0.03857 | 0.00000 | 316523.1 | 214042.3 | 100632.1 | S |
| 196.567 | 0.0000 | 0.0000 | 84.190 | 0.03857 | 0.00000 | 316523.1 | 214043.5 | 100632.1 | S |
| 196.575 | 0.0000 | 0.0000 | 84.189 | 0.03857 | 0.00000 | 316523.1 | 214044.7 | 100632.1 | S |
| 196.583 | 0.0000 | 0.0000 | 84.189 | 0.03856 | 0.00000 | 316523.1 | 214045.8 | 100632.1 | S |
| 196.592 | 0.0000 | 0.0000 | 84.189 | 0.03856 | 0.00000 | 316523.1 | 214047.0 | 100632.1 | S |
| 196.600 | 0.0000 | 0.0000 | 84.189 | 0.03856 | 0.00000 | 316523.1 | 214048.1 | 100632.1 | S |
| 196.608 | 0.0000 | 0.0000 | 84.189 | 0.03855 | 0.00000 | 316523.1 | 214049.3 | 100632.1 | S |
| 196.617 | 0.0000 | 0.0000 | 84.189 | 0.03855 | 0.00000 | 316523.1 | 214050.5 | 100632.1 | S |
| 196.625 | 0.0000 | 0.0000 | 84.189 | 0.03855 | 0.00000 | 316523.1 | 214051.6 | 100632.1 | S |
| 196.633 | 0.0000 | 0.0000 | 84.189 | 0.03854 | 0.00000 | 316523.1 | 214052.8 | 100632.1 | S |
| 196.642 | 0.0000 | 0.0000 | 84.189 | 0.03854 | 0.00000 | 316523.1 | 214053.9 | 100632.1 | S |
| 196.650 | 0.0000 | 0.0000 | 84.188 | 0.03854 | 0.00000 | 316523.1 | 214055.1 | 100632.1 | S |
| 196.658 | 0.0000 | 0.0000 | 84.188 | 0.03853 | 0.00000 | 316523.1 | 214056.2 | 100632.1 | S |
| 196.667 | 0.0000 | 0.0000 | 84.188 | 0.03853 | 0.00000 | 316523.1 | 214057.4 | 100632.1 | S |
| 196.675 | 0.0000 | 0.0000 | 84.188 | 0.03853 | 0.00000 | 316523.1 | 214058.5 | 100632.1 | S |
| 196.683 | 0.0000 | 0.0000 | 84.188 | 0.03852 | 0.00000 | 316523.1 | 214059.7 | 100632.1 | S |
| 196.692 | 0.0000 | 0.0000 | 84.188 | 0.03852 | 0.00000 | 316523.1 | 214060.9 | 100632.1 | S |
| 196.700 | 0.0000 | 0.0000 | 84.188 | 0.03852 | 0.00000 | 316523.1 | 214062.0 | 100632.1 | S |
| 196.708 | 0.0000 | 0.0000 | 84.188 | 0.03851 | 0.00000 | 316523.1 | 214063.2 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | inflow Rate ( $\mathrm{f}^{3 / 5}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infititration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 196.717 | 0.0000 | 0.0000 | 84.188 | 0.03851 | 0.00000 | 316523.1 | 214064.3 | 100632.1 | S |
| 196.725 | 0.0000 | 0.0000 | 84.187 | 0.03851 | 0.00000 | 316523.1 | 214065.5 | 100632.1 | S |
| 196.733 | 0.0000 | 0.0000 | 84.187 | 0.03850 | 0.00000 | 316523.1 | 214066.6 | 100632.1 | S |
| 196.742 | 0.0000 | 0.0000 | 84.187 | 0.03850 | 0.00000 | 316523.1 | 214067.8 | 100632.1 | S |
| 196.750 | 0.0000 | 0.0000 | 84.187 | 0.03850 | 0.00000 | 316523.1 | 214068.9 | 100632.1 | S |
| 196.758 | 0.0000 | 0.0000 | 84.187 | 0.03849 | 0.00000 | 316523.1 | 214070.1 | 100632.1 | S |
| 196.767 | 0.0000 | 0.0000 | 84.187 | 0.03849 | 0.00000 | 316523.1 | 214071.3 | 100632.1 | S |
| 196.775 | 0.0000 | 0.0000 | 84.187 | 0.03849 | 0.00000 | 316523.1 | 214072.4 | 100632.1 | S |
| 196.783 | 0.0000 | 0.0000 | 84.187 | 0.03848 | 0.00000 | 316523.1 | 214073.6 | 100632.1 | S |
| 196.792 | 0.0000 | 0.0000 | 84.187 | 0.03848 | 0.00000 | 316523.1 | 214074.7 | 100632.1 | S |
| 196.800 | 0.0000 | 0.0000 | 84.186 | 0.03848 | 0.00000 | 316523.1 | 214075.9 | 100632.1 | S |
| 196.808 | 0.0000 | 0.0000 | 84.186 | 0.03847 | 0.00000 | 316523.1 | 214077.0 | 100632.1 | S |
| 196.817 | 0.0000 | 0.0000 | 84.186 | 0.03847 | 0.00000 | 316523.1 | 214078.2 | 100632.1 | S |
| 196.825 | 0.0000 | 0.0000 | 84.186 | 0.03847 | 0.00000 | 316523.1 | 214079.3 | 100632.1 | S |
| 196.833 | 0.0000 | 0.0000 | 84.186 | 0.03846 | 0.00000 | 316523.1 | 214080.5 | 100632.1 | S |
| 196.842 | 0.0000 | 0.0000 | 84.186 | 0.03846 | 0.00000 | 316523.1 | 214081.6 | 100632.1 | S |
| 196.850 | 0.0000 | 0.0000 | 84.186 | 0.03846 | 0.00000 | 316523.1 | 214082.8 | 100632.1 | S |
| 196.858 | 0.0000 | 0.0000 | 84.186 | 0.03845 | 0.00000 | 316523.1 | 214083.9 | 100632.1 | S |
| 196.867 | 0.0000 | 0.0000 | 84.185 | 0.03845 | 0.00000 | 316523.1 | 214085.1 | 100632.1 | S |
| 196.875 | 0.0000 | 0.0000 | 84.185 | 0.03845 | 0.00000 | 316523.1 | 214086.3 | 100632.1 | S |
| 196.883 | 0.0000 | 0.0000 | 84.185 | 0.03844 | 0.00000 | 316523.1 | 214087.4 | 100632.1 | S |
| 196.892 | 0.0000 | 0.0000 | 84.185 | 0.03844 | 0.00000 | 316523.1 | 214088.6 | 100632.1 | S |
| 196.900 | 0.0000 | 0.0000 | 84.185 | 0.03844 | 0.00000 | 316523.1 | 214089.7 | 100632.1 | S |
| 196.908 | 0.0000 | 0.0000 | 84.185 | 0.03843 | 0.00000 | 316523.1 | 214090.9 | 100632.1 | S |
| 196.917 | 0.0000 | 0.0000 | 84.185 | 0.03843 | 0.00000 | 316523.1 | 214092.0 | 100632.1 | S |
| 196.925 | 0.0000 | 0.0000 | 84.185 | 0.03843 | 0.00000 | 316523.1 | 214093.2 | 100632.1 | S |
| 196.933 | 0.0000 | 0.0000 | 84.185 | 0.03842 | 0.00000 | 316523.1 | 214094.3 | 100632.1 | S |
| 196.942 | 0.0000 | 0.0000 | 84.184 | 0.03842 | 0.00000 | 316523.1 | 214095.5 | 100632.1 | S |
| 196.950 | 0.0000 | 0.0000 | 84.184 | 0.03842 | 0.00000 | 316523.1 | 214096.6 | 100632.1 | S |
| 196.958 | 0.0000 | 0.0000 | 84.184 | 0.03841 | 0.00000 | 316523.1 | 214097.8 | 100632.1 | S |
| 196.967 | 0.0000 | 0.0000 | 84.184 | 0.03841 | 0.00000 | 316523.1 | 214098.9 | 100632.1 | S |
| 196.975 | 0.0000 | 0.0000 | 84.184 | 0.03841 | 0.00000 | 316523.1 | 214100.1 | 100632.1 | S |
| 196.983 | 0.0000 | 0.0000 | 84.184 | 0.03840 | 0.00000 | 316523.1 | 214101.2 | 100632.1 | S |
| 196.992 | 0.0000 | 0.0000 | 84.184 | 0.03840 | 0.00000 | 316523.1 | 214102.4 | 100632.1 | S |
| 197.000 | 0.0000 | 0.0000 | 84.184 | 0.03840 | 0.00000 | 316523.1 | 214103.5 | 100632.1 | S |
| 197.008 | 0.0000 | 0.0000 | 84.184 | 0.03839 | 0.00000 | 316523.1 | 214104.7 | 100632.1 | S |
| 197.017 | 0.0000 | 0.0000 | 84.183 | 0.03839 | 0.00000 | 316523.1 | 214105.8 | 100632.1 | S |
| 197.025 | 0.0000 | 0.0000 | 84.183 | 0.03839 | 0.00000 | 316523.1 | 214107.0 | 100632.1 | S |
| 197.033 | 0.0000 | 0.0000 | 84.183 | 0.03838 | 0.00000 | 316523.1 | 214108.2 | 100632.1 | S |
| 197.042 | 0.0000 | 0.0000 | 84.183 | 0.03838 | 0.00000 | 316523.1 | 214109.3 | 100632.1 | S |
| 197.050 | 0.0000 | 0.0000 | 84.183 | 0.03838 | 0.00000 | 316523.1 | 214110.5 | 100632.1 | S |
| 197.058 | 0.0000 | 0.0000 | 84.183 | 0.03837 | 0.00000 | 316523.1 | 214111.6 | 100632.1 | S |
| 197.067 | 0.0000 | 0.0000 | 84.183 | 0.03837 | 0.00000 | 316523.1 | 214112.8 | 100632.1 | S |
| 197.075 | 0.0000 | 0.0000 | 84.183 | 0.03837 | 0.00000 | 316523.1 | 214113.9 | 100632.1 | S |
| 197.083 | 0.0000 | 0.0000 | 84.183 | 0.03836 | 0.00000 | 316523.1 | 214115.1 | 100632.1 | S |
| 197.092 | 0.0000 | 0.0000 | 84.182 | 0.03836 | 0.00000 | 316523.1 | 214116.2 | 100632.1 | S |
| 197.100 | 0.0000 | 0.0000 | 84.182 | 0.03836 | 0.00000 | 316523.1 | 214117.4 | 100632.1 | S |
| 197.108 | 0.0000 | 0.0000 | 84.182 | 0.03835 | 0.00000 | 316523.1 | 214118.5 | 100632.1 | S |
| 197.117 | 0.0000 | 0.0000 | 84.182 | 0.03835 | 0.00000 | 316523.1 | 214119.7 | 100632.1 | S |
| 197.125 | 0.0000 | 0.0000 | 84.182 | 0.03835 | 0.00000 | 316523.1 | 214120.8 | 100632.1 | S |
| 197.133 | 0.0000 | 0.0000 | 84.182 | 0.03835 | 0.00000 | 316523.1 | 214122.0 | 100632.1 | S |
| 197.142 | 0.0000 | 0.0000 | 84.182 | 0.03834 | 0.00000 | 316523.1 | 214123.1 | 100632.1 | S |
| 197.150 | 0.0000 | 0.0000 | 84.182 | 0.03834 | 0.00000 | 316523.1 | 214124.3 | 100632.1 | S |
| 197.158 | 0.0000 | 0.0000 | 84.181 | 0.03834 | 0.00000 | 316523.1 | 214125.4 | 100632.1 | S |
| 197.167 | 0.0000 | 0.0000 | 84.181 | 0.03833 | 0.00000 | 316523.1 | 214126.6 | 100632.1 | S |
| 197.175 | 0.0000 | 0.0000 | 84.181 | 0.03833 | 0.00000 | 316523.1 | 214127.7 | 100632.1 | S |
| 197.183 | 0.0000 | 0.0000 | 84.181 | 0.03833 | 0.00000 | 316523.1 | 214128.9 | 100632.1 | S |
| 197.192 | 0.0000 | 0.0000 | 84.181 | 0.03832 | 0.00000 | 316523.1 | 214130.0 | 100632.1 | S |
| 197.200 | 0.0000 | 0.0000 | 84.181 | 0.03832 | 0.00000 | 316523.1 | 214131.2 | 100632.1 | S |
| 197.208 | 0.0000 | 0.0000 | 84.181 | 0.03832 | 0.00000 | 316523.1 | 214132.3 | 100632.1 | S |
| 197.217 | 0.0000 | 0.0000 | 84.181 | 0.03831 | 0.00000 | 316523.1 | 214133.5 | 100632.1 | S |
| 197.225 | 0.0000 | 0.0000 | 84.181 | 0.03831 | 0.00000 | 316523.1 | 214134.6 | 100632.1 | S |
| 197.233 | 0.0000 | 0.0000 | 84.180 | 0.03831 | 0.00000 | 316523.1 | 214135.8 | 100632.1 | S |
| 197.242 | 0.0000 | 0.0000 | 84.180 | 0.03830 | 0.00000 | 316523.1 | 214136.9 | 100632.1 | S |
| 197.250 | 0.0000 | 0.0000 | 84.180 | 0.03830 | 0.00000 | 316523.1 | 214138.1 | 100632.1 | S |
| 197.258 | 0.0000 | 0.0000 | 84.180 | 0.03830 | 0.00000 | 316523.1 | 214139.2 | 100632.1 | S |
| 197.267 | 0.0000 | 0.0000 | 84.180 | 0.03829 | 0.00000 | 316523.1 | 214140.4 | 100632.1 | S |
| 197.275 | 0.0000 | 0.0000 | 84.180 | 0.03829 | 0.00000 | 316523.1 | 214141.5 | 100632.1 | S |
| 197.283 | 0.0000 | 0.0000 | 84.180 | 0.03829 | 0.00000 | 316523.1 | 214142.7 | 100632.1 | S |
| 197.292 | 0.0000 | 0.0000 | 84.180 | 0.03828 | 0.00000 | 316523.1 | 214143.8 | 100632.1 | S |
| 197.300 | 0.0000 | 0.0000 | 84.180 | 0.03828 | 0.00000 | 316523.1 | 214145.0 | 100632.1 | S |
| 197.308 | 0.0000 | 0.0000 | 84.179 | 0.03828 | 0.00000 | 316523.1 | 214146.1 | 100632.1 | S |
| 197.317 | 0.0000 | 0.0000 | 84.179 | 0.03827 | 0.00000 | 316523.1 | 214147.3 | 100632.1 | S |
| 197.325 | 0.0000 | 0.0000 | 84.179 | 0.03827 | 0.00000 | 316523.1 | 214148.4 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario $1::$ pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | 引nflow Rate ( $\mathrm{H}^{3 / 3}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overfow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infitration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 197.333 | 0.0000 | 0.0000 | 84.179 | 0.03827 | 0.00000 | 316523.1 | 214149.5 | 100632.1 | S |
| 197.342 | 0.0000 | 0.0000 | 84.179 | 0.03826 | 0.00000 | 316523.1 | 214150.7 | 100632.1 | S |
| 197.350 | 0.0000 | 0.0000 | 84.179 | 0.03826 | 0.00000 | 316523.1 | 214151.8 | 100632.1 | S |
| 197.358 | 0.0000 | 0.0000 | 84.179 | 0.03826 | 0.00000 | 316523.1 | 214153.0 | 100632.1 | S |
| 197.367 | 0.0000 | 0.0000 | 84.179 | 0.03825 | 0.00000 | 316523.1 | 214154.1 | 100632.1 | S |
| 197.375 | 0.0000 | 0.0000 | 84.179 | 0.03825 | 0.00000 | 316523.1 | 214155.3 | 100632.1 | S |
| 197.383 | 0.0000 | 0.0000 | 84.178 | 0.03825 | 0.00000 | 316523.1 | 214156.4 | 100632.1 | S |
| 197.392 | 0.0000 | 0.0000 | 84.178 | 0.03824 | 0.00000 | 316523.1 | 214157.6 | 100632.1 | S |
| 197.400 | 0.0000 | 0.0000 | 84.178 | 0.03824 | 0.00000 | 316523.1 | 214158.7 | 100632.1 | S |
| 197.408 | 0.0000 | 0.0000 | 84.178 | 0.03824 | 0.00000 | 316523.1 | 214159.9 | 100632.1 | S |
| 197.417 | 0.0000 | 0.0000 | 84.178 | 0.03823 | 0.00000 | 316523.1 | 214161.0 | 100632.1 | S |
| 197.425 | 0.0000 | 0.0000 | 84.178 | 0.03823 | 0.00000 | 316523.1 | 214162.2 | 100632.1 | S |
| 197.433 | 0.0000 | 0.0000 | 84.178 | 0.03823 | 0.00000 | 316523.1 | 214163.3 | 100632.1 | S |
| 197.442 | 0.0000 | 0.0000 | 84.178 | 0.03822 | 0.00000 | 316523.1 | 214164.5 | 100632.1 | S |
| 197.450 | 0.0000 | 0.0000 | 84.178 | 0.03822 | 0.00000 | 316523.1 | 214165.6 | 100632.1 | S |
| 197.458 | 0.0000 | 0.0000 | 84.177 | 0.03822 | 0.00000 | 316523.1 | 214166.8 | 100632.1 | S |
| 197.467 | 0.0000 | 0.0000 | 84.177 | 0.03821 | 0.00000 | 316523.1 | 214167.9 | 100632.1 | S |
| 197.475 | 0.0000 | 0.0000 | 84.177 | 0.03821 | 0.00000 | 316523.1 | 214169.0 | 100632.1 | S |
| 197.483 | 0.0000 | 0.0000 | 84.177 | 0.03821 | 0.00000 | 316523.1 | 214170.2 | 100632.1 | S |
| 197.492 | 0.0000 | 0.0000 | 84.177 | 0.03820 | 0.00000 | 316523.1 | 214171.3 | 100632.1 | S |
| 197.500 | 0.0000 | 0.0000 | 84.177 | 0.03820 | 0.00000 | 316523.1 | 214172.5 | 100632.1 | S |
| 197.508 | 0.0000 | 0.0000 | 84.177 | 0.03820 | 0.00000 | 316523.1 | 214173.6 | 100632.1 | S |
| 197.517 | 0.0000 | 0.0000 | 84.177 | 0.03819 | 0.00000 | 316523.1 | 214174.8 | 100632.1 | S |
| 197.525 | 0.0000 | 0.0000 | 84.176 | 0.03819 | 0.00000 | 316523.1 | 214175.9 | 100632.1 | S |
| 197.533 | 0.0000 | 0.0000 | 84.176 | 0.03819 | 0.00000 | 316523.1 | 214177.1 | 100632.1 | S |
| 197.542 | 0.0000 | 0.0000 | 84.176 | 0.03818 | 0.00000 | 316523.1 | 214178.2 | 100632.1 | S |
| 197.550 | 0.0000 | 0.0000 | 84.176 | 0.03818 | 0.00000 | 316523.1 | 214179.4 | 100632.1 | S |
| 197.558 | 0.0000 | 0.0000 | 84.176 | 0.03818 | 0.00000 | 316523.1 | 214180.5 | 100632.1 | S |
| 197.567 | 0.0000 | 0.0000 | 84.176 | 0.03817 | 0.00000 | 316523.1 | 214181.6 | 100632.1 | S |
| 197.575 | 0.0000 | 0.0000 | 84.176 | 0.03817 | 0.00000 | 316523.1 | 214182.8 | 100632.1 | S |
| 197.583 | 0.0000 | 0.0000 | 84.776 | 0.03817 | 0.00000 | 316523.1 | 214183.9 | 100632.1 | S |
| 197.592 | 0.0000 | 0.0000 | 84.176 | 0.03816 | 0.00000 | 316523.1 | 214185.1 | 100632.1 | S |
| 197.600 | 0.0000 | 0.0000 | 84.175 | 0.03816 | 0.00000 | 316523.1 | 214186.2 | 100632.1 | S |
| 197.608 | 0.0000 | 0.0000 | 84.175 | 0.03816 | 0.00000 | 316523.1 | 214187.4 | 100632.1 | S |
| 197.617 | 0.0000 | 0.0000 | 84.175 | 0.03815 | 0.00000 | 316523.1 | 214188.5 | 100632.1 | S |
| 197.625 | 0.0000 | 0.0000 | 84.175 | 0.03815 | 0.00000 | 316523.1 | 214189.7 | 100632.1 | S |
| 197.633 | 0.0000 | 0.0000 | 84.175 | 0.03815 | 0.00000 | 316523.1 | 214190.8 | 100632.1 | S |
| 197.642 | 0.0000 | 0.0000 | 84.175 | 0.03814 | 0.00000 | 316523.1 | 214192.0 | 100632.1 | S |
| 197.650 | 0.0000 | 0.0000 | 84.175 | 0.03814 | 0.00000 | 316523.1 | 214193.1 | 100632.1 | S |
| 197.658 | 0.0000 | 0.0000 | 84.175 | 0.03814 | 0.00000 | 316523.1 | 214194.2 | 100632.1 | S |
| 197.667 | 0.0000 | 0.0000 | 84.775 | 0.03813 | 0.00000 | 316523.1 | 214195.4 | 100632.1 | S |
| 197.675 | 0.0000 | 0.0000 | 84.174 | 0.03813 | 0.00000 | 316523.1 | 214196.5 | 100632.1 | S |
| 197.683 | 0.0000 | 0.0000 | 84.174 | 0.03813 | 0.00000 | 316523.1 | 214197.7 | 100632.1 | S |
| 197.692 | 0.0000 | 0.0000 | 84.174 | 0.03812 | 0.00000 | 316523.1 | 214198.8 | 100632.1 | S |
| 197.700 | 0.0000 | 0.0000 | 84.174 | 0.03812 | 0.00000 | 316523.1 | 214200.0 | 100632.3 | S |
| 197.708 | 0.0000 | 0.0000 | 84.174 | 0.03812 | 0.00000 | 316523.1 | 214201.1 | 100632.1 | S |
| 197.717 | 0.0000 | 0.0000 | 84.174 | 0.03812 | 0.00000 | 316523.1 | 214202.3 | 100632.1 | S |
| 197.725 | 0.0000 | 0.0000 | 84.174 | 0.03811 | 0.00000 | 316523.1 | 214203.4 | 100632.1 | S |
| 197.733 | 0.0000 | 0.0000 | 84.174 | 0.03811 | 0.00000 | 316523.1 | 214204.5 | 100632.1 | S |
| 197.742 | 0.0000 | 0.0000 | 84.174 | 0.03811 | 0.00000 | 316523.1 | 214205.7 | 100632.1 | S |
| 197.750 | 0.0000 | 0.0000 | 84.173 | 0.03810 | 0.00000 | 316523.1 | 214206.8 | 100632.1 | S |
| 197.758 | 0.0000 | 0.0000 | 84.173 | 0.03810 | 0.00000 | 316523.1 | 214208.0 | 100632.1 | S |
| 197.767 | 0.0000 | 0.0000 | 84.173 | 0.03810 | 0.00000 | 316523.1 | 214209.1 | 100632.1 | S |
| 197.775 | 0.0000 | 0.0000 | 84.173 | 0.03809 | 0.00000 | 316523.1 | 214210.3 | 100632.1 | S |
| 197.783 | 0.0000 | 0.0000 | 84.173 | 0.03809 | 0.00000 | 316523.1 | 214211.4 | 100632.1 | S |
| 197.792 | 0.0000 | 0.0000 | 84.173 | 0.03809 | 0.00000 | 316523.1 | 214212.5 | 100632.1 | S |
| 197.800 | 0.0000 | 0.0000 | 84.173 | 0.03808 | 0.00000 | 316523.1 | 214213.7 | 100632.1 | S |
| 197.808 | 0.0000 | 0.0000 | 84.173 | 0.03808 | 0.00000 | 316523.1 | 214214.8 | 100632.1 | S |
| 197.817 | 0.0000 | 0.0000 | 84.172 | 0.03808 | 0.00000 | 316523.1 | 214216.0 | 100632.1 | S |
| 197.825 | 0.0000 | 0.0000 | 84.172 | 0.03807 | 0.00000 | 316523.1 | 214217.1 | 100632.1 | S |
| 197.833 | 0.0000 | 0.0000 | 84.772 | 0.03807 | 0.00000 | 316523.1 | 214218.3 | 100632.1 | S |
| 197.842 | 0.0000 | 0.0000 | 84.172 | 0.03807 | 0.00000 | 316523.1 | 214219.4 | 100632.1 | S |
| 197.850 | 0.0000 | 0.0000 | 84.172 | 0.03806 | 0.00000 | 316523.1 | 214220.5 | 100632.1 | S |
| 197.858 | 0.0000 | 0.0000 | 84.172 | 0.03806 | 0.00000 | 316523.1 | 214221.7 | 100632.1 | S |
| 197.867 | 0.0000 | 0.0000 | 84.172 | 0.03806 | 0.00000 | 316523.1 | 214222.8 | 100632.1 | S |
| 197.875 | 0.0000 | 0.0000 | 84.172 | 0.03805 | 0.00000 | 316523.1 | 214224.0 | 100632.1 | S |
| 197.883 | 0.0000 | 0.0000 | 84.172 | 0.03805 | 0.00000 | 316523.1 | 214225.1 | 100632.1 | S |
| 197.892 | 0.0000 | 0.0000 | 84.171 | 0.03805 | 0.00000 | 316523.1 | 214226.2 | 100632.1 | S |
| 197.900 | 0.0000 | 0.0000 | 84.171 | 0.03804 | 0.00000 | 316523.1 | 214227.4 | 100632.1 | S |
| 197.908 | 0.0000 | 0.0000 | 84.171 | 0.03804 | 0.00000 | 316523.1 | 214228.5 | 100632.1 | S |
| 197.917 | 0.0000 | 0.0000 | 84.171 | 0.03804 | 0.00000 | 316523.1 | 214229.7 | 100632.1 | S |
| 197.925 | 0.0000 | 0.0000 | 84.171 | 0.03803 | 0.00000 | 316523.1 | 214230.8 | 100632.1 | S |
| 197.933 | 0.0000 | 0.0000 | 84.171 | 0.03803 | 0.00000 | 316523.1 | 214231.9 | 100632.1 | S |
| 197.942 | 0.0000 | 0.0000 | 84.171 | 0.03803 | 0.00000 | 316523.1 | 214233.1 | 100632.1 | S |

Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Enflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (f/day) | Stage Elevation (ft datum) | Infilitration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge (f $f^{3} / \mathrm{s}$ ) | $\begin{aligned} & \text { Cumulative } \\ & \text { Inflow } \\ & \text { Volume }\left(\mathrm{ff}^{3}\right) \end{aligned}$ | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 197.950 | 0.0000 | 0.0000 | 84.171 | 0.03802 | 0.00000 | 316523.1 | 214234.2 | 100632.1 | S |
| 197.958 | 0.0000 | 0.0000 | 84.171 | 0.03802 | 0.00000 | 316523.1 | 214235.4 | 100632.1 | S |
| 197.967 | 0.0000 | 0.0000 | 84.170 | 0.03802 | 0.00000 | 316523.1 | 214236.5 | 100632.1 | S |
| 197.975 | 0.0000 | 0.0000 | 84.170 | 0.03801 | 0.00000 | 316523.1 | 214237.6 | 100632.1 | S |
| 197.983 | 0.0000 | 0.0000 | 84.170 | 0.03801 | 0.00000 | 316523.1 | 214238.8 | 100632.1 | S |
| 197.992 | 0.0000 | 0.0000 | 84.170 | 0.03801 | 0.00000 | 316523.1 | 214239.9 | 100632.1 | S |
| 198.000 | 0.0000 | 0.0000 | 84.170 | 0.03800 | 0.00000 | 316523.1 | 214241.1 | 100632.1 | S |
| 198.008 | 0.0000 | 0.0000 | 84.170 | 0.03800 | 0.00000 | 316523.1 | 214242.2 | 100632.1 | S |
| 198.017 | 0.0000 | 0.0000 | 84.170 | 0.03800 | 0.00000 | 316523.1 | 214243.3 | 100632.1 | S |
| 198.025 | 0.0000 | 0.0000 | 84.170 | 0.03799 | 0.00000 | 316523.1 | 214244.5 | 100632.1 | S |
| 198.033 | 0.0000 | 0.0000 | 84.170 | 0.03799 | 0.00000 | 316523.1 | 214245.6 | 100632.1 | S |
| 198.042 | 0.0000 | 0.0000 | 84.169 | 0.03799 | 0.00000 | 316523.1 | 214246.8 | 100632.1 | S |
| 198.050 | 0.0000 | 0.0000 | 84.169 | 0.03798 | 0.00000 | 316523.1 | 214247.9 | 100632.1 | S |
| 198.058 | 0.0000 | 0.0000 | 84.169 | 0.03798 | 0.00000 | 316523.1 | 214249.0 | 100632.1 | S |
| 198.067 | 0.0000 | 0.0000 | 84.169 | 0.03798 | 0.00000 | 316523.1 | 214250.2 | 100632.1 | S |
| 198.075 | 0.0000 | 0.0000 | 84.169 | 0.03797 | 0.00000 | 316523.1 | 214251.3 | 100632.1 | S |
| 198.083 | 0.0000 | 0.0000 | 84.169 | 0.03797 | 0.00000 | 316523.1 | 214252.5 | 100632.1 | S |
| 198.092 | 0.0000 | 0.0000 | 84.169 | 0.03797 | 0.00000 | 316523.1 | 214253.6 | 100632.1 | S |
| 198.100 | 0.0000 | 0.0000 | 84.169 | 0.03796 | 0.00000 | 316523.1 | 214254.7 | 100632.1 | S |
| 198.108 | 0.0000 | 0.0000 | 84.169 | 0.03796 | 0.00000 | 316523.1 | 214255.9 | 100632.1 | S |
| 198.117 | 0.0000 | 0.0000 | 84.168 | 0.03796 | 0.00000 | 316523.1 | 214257.0 | 100632.1 | S |
| 198.125 | 0.0000 | 0.0000 | 84.168 | 0.03795 | 0.00000 | 316523.1 | 214258.2 | 100632.1 | S |
| 198.133 | 0.0000 | 0.0000 | 84.168 | 0.03795 | 0.00000 | 316523.1 | 214259.3 | 100632.1 | S |
| 198.142 | 0.0000 | 0.0000 | 84.168 | 0.03795 | 0.00000 | 316523.1 | 214260.4 | 100632.1 | S |
| 198.150 | 0.0000 | 0.0000 | 84.168 | 0.03795 | 0.00000 | 316523.1 | 214261.6 | 100632.1 | S |
| 198.158 | 0.0000 | 0.0000 | 84.168 | 0.03794 | 0.00000 | 316523.1 | 214262.7 | 100632.1 | S |
| 198.167 | 0.0000 | 0.0000 | 84.168 | 0.03794 | 0.00000 | 316523.1 | 214263.8 | 100632.1 | S |
| 198.175 | 0.0000 | 0.0000 | 84.168 | 0.03794 | 0.00000 | 316523.1 | 214265.0 | 100632.1 | S |
| 198.183 | 0.0000 | 0.0000 | 84.168 | 0.03793 | 0.00000 | 316523.1 | 214266.1 | 100632.1 | S |
| 198.192 | 0.0000 | 0.0000 | 84.167 | 0.03793 | 0.00000 | 316523.1 | 214267.3 | 100632.1 | S |
| 198.200 | 0.0000 | 0.0000 | 84.167 | 0.03793 | 0.00000 | 316523.1 | 214268.4 | 100632.1 | S |
| 198.208 | 0.0000 | 0.0000 | 84.167 | 0.03792 | 0.00000 | 316523.1 | 214269.5 | 100632.1 | S |
| 198.217 | 0.0000 | 0.0000 | 84.167 | 0.03792 | 0.00000 | 316523.1 | 214270.7 | 100632.1 | S |
| 198.225 | 0.0000 | 0.0000 | 84.167 | 0.03792 | 0.00000 | 316523.1 | 214271.8 | 100632.1 | S |
| 198.233 | 0.0000 | 0.0000 | 84.167 | 0.03791 | 0.00000 | 316523.1 | 214273.0 | 100632.1 | S |
| 198.242 | 0.0000 | 0.0000 | 84.167 | 0.03791 | 0.00000 | 316523.1 | 214274.1 | 100632.1 | S |
| 198.250 | 0.0000 | 0.0000 | 84.167 | 0.03791 | 0.00000 | 316523.1 | 214275.2 | 100632.1 | S |
| 198.258 | 0.0000 | 0.0000 | 84.166 | 0.03790 | 0.00000 | 316523.1 | 214276.4 | 100632.1 | S |
| 198.267 | 0.0000 | 0.0000 | 84.166 | 0.03790 | 0.00000 | 316523.1 | 214277.5 | 100632.1 | S |
| 198.275 | 0.0000 | 0.0000 | 84.166 | 0.03790 | 0.00000 | 316523.1 | 214278.6 | 100632.1 | S |
| 198.283 | 0.0000 | 0.0000 | 84.166 | 0.03789 | 0.00000 | 316523.1 | 214279.8 | 100632.1 | S |
| 198.292 | 0.0000 | 0.0000 | 84.166 | 0.03789 | 0.00000 | 316523.1 | 214280.9 | 100632.1 | S |
| 198.300 | 0.0000 | 0.0000 | 84.166 | 0.03789 | 0.00000 | 316523.1 | 214282.0 | 100632.1 | S |
| 198.308 | 0.0000 | 0.0000 | 84.166 | 0.03788 | 0.00000 | 316523.1 | 214283.2 | 100632.1 | S |
| 198.317 | 0.0000 | 0.0000 | 84.166 | 0.03788 | 0.00000 | 316523.1 | 214284.3 | 100632.1 | S |
| 198.325 | 0.0000 | 0.0000 | 84.166 | 0.03788 | 0.00000 | 316523.1 | 214285.5 | 100632.1 | S |
| 198.333 | 0.0000 | 0.0000 | 84.165 | 0.03787 | 0.00000 | 316523.1 | 214286.6 | 100632.1 | S |
| 198.342 | 0.0000 | 0.0000 | 84.165 | 0.03787 | 0.00000 | 316523.1 | 214287.7 | 100632.1 | S |
| 198.350 | 0.0000 | 0.0000 | 84.165 | 0.03787 | 0.00000 | 316523.1 | 214288.9 | 100632.1 | S |
| 198.358 | 0.0000 | 0.0000 | 84.165 | 0.03786 | 0.00000 | 316523.1 | 214290.0 | 100632.1 | S |
| 198.367 | 0.0000 | 0.0000 | 84.165 | 0.03786 | 0.00000 | 316523.1 | 214291.1 | 100632.1 | S |
| 198.375 | 0.0000 | 0.0000 | 84.165 | 0.03786 | 0.00000 | 316523.1 | 214292.3 | 100632.1 | S |
| 198.383 | 0.0000 | 0.0000 | 84.165 | 0.03785 | 0.00000 | 316523.1 | 214293.4 | 100632.1 | S |
| 198.392 | 0.0000 | 0.0000 | 84.165 | 0.03785 | 0.00000 | 316523.1 | 214294.5 | 100632.1 | S |
| 198.400 | 0.0000 | 0.0000 | 84.165 | 0.03785 | 0.00000 | 316523.1 | 214295.7 | 100632.1 | S |
| 198.408 | 0.0000 | 0.0000 | 84.164 | 0.03784 | 0.00000 | 316523.1 | 214296.8 | 100632.1 | S |
| 198.417 | 0.0000 | 0.0000 | 84.164 | 0.03784 | 0.00000 | 316523.1 | 214298.0 | 100632.1 | S |
| 198.425 | 0.0000 | 0.0000 | 84.164 | 0.03784 | 0.00000 | 316523.1 | 214299.1 | 100632.1 | S |
| 198.433 | 0.0000 | 0.0000 | 84.164 | 0.03783 | 0.00000 | 316523.1 | 214300.2 | 100632.1 | S |
| 198.442 | 0.0000 | 0.0000 | 84.164 | 0.03783 | 0.00000 | 316523.1 | 214301.4 | 100632.1 | S |
| 198.450 | 0.0000 | 0.0000 | 84.164 | 0.03783 | 0.00000 | 316523.1 | 214302.5 | 100632.1 | S |
| 198.458 | 0.0000 | 0.0000 | 84.164 | 0.03782 | 0.00000 | 316523.1 | 214303.6 | 100632.1 | S |
| 198.467 | 0.0000 | 0.0000 | 84.164 | 0.03782 | 0.00000 | 316523.1 | 214304.8 | 100632.1 | S |
| 198.475 | 0.0000 | 0.0000 | 84.164 | 0.03782 | 0.00000 | 316523.1 | 214305.9 | 100632.1 | S |
| 198.483 | 0.0000 | 0.0000 | 84.163 | 0.03781 | 0.00000 | 316523.1 | 214307.0 | 100632.1 | S |
| 198.492 | 0.0000 | 0.0000 | 84.163 | 0.03781 | 0.00000 | 316523.1 | 214308.2 | 100632.1 | S |
| 198.500 | 0.0000 | 0.0000 | 84.163 | 0.03781 | 0.00000 | 316523.1 | 214309.3 | 100632.1 | S |
| 198.508 | 0.0000 | 0.0000 | 84.163 | 0.03781 | 0.00000 | 316523.1 | 214310.4 | 100632.1 | S |
| 198.517 | 0.0000 | 0.0000 | 84.163 | 0.03780 | 0.00000 | 316523.1 | 214311.6 | 100632.1 | S |
| 198.525 | 0.0000 | 0.0000 | 84.163 | 0.03780 | 0.00000 | 316523.1 | 214312.7 | 100632.1 | S |
| 198.533 | 0.0000 | 0.0000 | 84.163 | 0.03780 | 0.00000 | 316523.1 | 214313.8 | 100632.1 | S |
| 198.542 | 0.0000 | 0.0000 | 84.163 | 0.03779 | 0.00000 | 316523.1 | 214315.0 | 100632.1 | S |
| 198.550 | 0.0000 | 0.0000 | 84.163 | 0.03779 | 0.00000 | 316523.1 | 214316.1 | 100632.1 | S |
| 198.558 | 0.0000 | 0.0000 | 84.162 | 0.03779 | 0.00000 | 316523.1 | 214317.2 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario $1::$ pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (f datum) | Infiltration Rate ( $\mathrm{f}^{3 / 3} \mathrm{~s}$ ) | Overflow Discharge ( $\mathrm{H}^{3 / 5}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume (ft ${ }^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | $\begin{aligned} & \text { Flow } \\ & \text { Type } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 198.567 | 0.0000 | 0.0000 | 84.162 | 0.03778 | 0.00000 | 316523.1 | 214318.4 | 100632.1 | S |
| 198.575 | 0.0000 | 0.0000 | 84.162 | 0.03778 | 0.00000 | 316523.1 | 214319.5 | 100632.1 | S |
| 198.583 | 0.0000 | 0.0000 | 84.162 | 0.03778 | 0.00000 | 316523.1 | 214320.6 | 100632.1 | S |
| 198.592 | 0.0000 | 0.0000 | 84.162 | 0.03777 | 0.00000 | 316523.1 | 214321.8 | 100632.1 | S |
| 198.600 | 0.0000 | 0.0000 | 84.162 | 0.03777 | 0.00000 | 316523.1 | 214322.9 | 100632.1 | S |
| 198.608 | 0.0000 | 0.0000 | 84.162 | 0.03777 | 0.00000 | 316523.1 | 214324.0 | 100632.1 | S |
| 198.617 | 0.0000 | 0.0000 | 84.162 | 0.03776 | 0.00000 | 316523.1 | 214325.2 | 100632.1 | S |
| 198.625 | 0.0000 | 0.0000 | 84.162 | 0.03776 | 0.00000 | 316523.1 | 214326.3 | 100632.1 | S |
| 198.633 | 0.0000 | 0.0000 | 84.161 | 0.03776 | 0.00000 | 316523.1 | 214327.4 | 100632.1 | S |
| 198.642 | 0.0000 | 0.0000 | 84.161 | 0.03775 | 0.00000 | 316523.1 | 214328.6 | 100632.1 | S |
| 198.650 | 0.0000 | 0.0000 | 84.161 | 0.03775 | 0.00000 | 316523.1 | 214329.7 | 100632.1 | S |
| 198.658 | 0.0000 | 0.0000 | 84.161 | 0.03775 | 0.00000 | 316523.1 | 214330.8 | 100632.1 | S |
| 198.667 | 0.0000 | 0.0000 | 84.161 | 0.03774 | 0.00000 | 316523.1 | 214332.0 | 100632.1 | S |
| 198.675 | 0.0000 | 0.0000 | 84.161 | 0.03774 | 0.00000 | 316523.1 | 214333.1 | 100632.1 | S |
| 198.683 | 0.0000 | 0.0000 | 84.161 | 0.03774 | 0.00000 | 316523.1 | 214334.2 | 100632.1 | S |
| 198.692 | 0.0000 | 0.0000 | 84.161 | 0.03773 | 0.00000 | 316523.1 | 214335.4 | 100632.1 | S |
| 198.700 | 0.0000 | 0.0000 | 84.160 | 0.03773 | 0.00000 | 316523.1 | 214336.5 | 100632.1 | S |
| 198.708 | 0.0000 | 0.0000 | 84.160 | 0.03773 | 0.00000 | 316523.1 | 214337.6 | 100632.1 | S |
| 198.717 | 0.0000 | 0.0000 | 84.160 | 0.03772 | 0.00000 | 316523.1 | 214338.8 | 100632.1 | S |
| 198.725 | 0.0000 | 0.0000 | 84.160 | 0.03772 | 0.00000 | 316523.1 | 214339.9 | 100632.1 | S |
| 198.733 | 0.0000 | 0.0000 | 84.160 | 0.03772 | 0.00000 | 316523.1 | 214341.0 | 100632.1 | S |
| 198.742 | 0.0000 | 0.0000 | 84.160 | 0.03771 | 0.00000 | 316523.1 | 214342.1 | 100632.1 | S |
| 198.750 | 0.0000 | 0.0000 | 84.160 | 0.03771 | 0.00000 | 316523.1 | 214343.3 | 100632.1 | S |
| 198.758 | 0.0000 | 0.0000 | 84.160 | 0.03771 | 0.00000 | 316523.1 | 214344.4 | 100632.1 | S |
| 198.767 | 0.0000 | 0.0000 | 84.160 | 0.03770 | 0.00000 | 316523.1 | 214345.5 | 100632.1 | S |
| 198.775 | 0.0000 | 0.0000 | 84.159 | 0.03770 | 0.00000 | 316523.1 | 214346.7 | 100632.1 | S |
| 198.783 | 0.0000 | 0.0000 | 84.159 | 0.03770 | 0.00000 | 316523.1 | 214347.8 | 100632.1 | S |
| 198.792 | 0.0000 | 0.0000 | 84.159 | 0.03770 | 0.00000 | 316523.1 | 214348.9 | 100632.1 | S |
| 198.800 | 0.0000 | 0.0000 | 84.159 | 0.03769 | 0.00000 | 316523.1 | 214350.1 | 100632.1 | S |
| 198.808 | 0.0000 | 0.0000 | 84.159 | 0.03769 | 0.00000 | 316523.1 | 214351.2 | 100632.1 | S |
| 198.817 | 0.0000 | 0.0000 | 84.159 | 0.03769 | 0.00000 | 316523.1 | 214352.3 | 100632.1 | S |
| 198.825 | 0.0000 | 0.0000 | 84.159 | 0.03768 | 0.00000 | 316523.1 | 214353.5 | 100632.1 | S |
| 198.833 | 0.0000 | 0.0000 | 84.159 | 0.03768 | 0.00000 | 316523.1 | 214354.6 | 100632.1 | S |
| 198.842 | 0.0000 | 0.0000 | 84.159 | 0.03768 | 0.00000 | 316523.1 | 214355.7 | 100632.1 | S |
| 198.850 | 0.0000 | 0.0000 | 84.158 | 0.03767 | 0.00000 | 316523.1 | 214356.8 | 100632.1 | S |
| 198.858 | 0.0000 | 0.0000 | 84.158 | 0.03767 | 0.00000 | 316523.1 | 214358.0 | 100632.1 | S |
| 198.867 | 0.0000 | 0.0000 | 84.158 | 0.03767 | 0.00000 | 316523.1 | 214359.1 | 100632.1 | S |
| 198.875 | 0.0000 | 0.0000 | 84.158 | 0.03766 | 0.00000 | 316523.1 | 214360.2 | 100632.1 | S |
| 198.883 | 0.0000 | 0.0000 | 84.158 | 0.03766 | 0.00000 | 316523.1 | 214361.4 | 100632.1 | S |
| 198.892 | 0.0000 | 0.0000 | 84.158 | 0.03766 | 0.00000 | 316523.1 | 214362.5 | 100632.1 | S |
| 198.900 | 0.0000 | 0.0000 | 84.158 | 0.03765 | 0.00000 | 316523.1 | 214363.6 | 100632.1 | S |
| 198.908 | 0.0000 | 0.0000 | 84.158 | 0.03765 | 0.00000 | 316523.1 | 214364.8 | 100632.1 | S |
| 198.917 | 0.0000 | 0.0000 | 84.158 | 0.03765 | 0.00000 | 316523.1 | 214365.9 | 100632.1 | S |
| 198.925 | 0.0000 | 0.0000 | 84.157 | 0.03764 | 0.00000 | 316523.1 | 214367.0 | 100632.1 | S |
| 198.933 | 0.0000 | 0.0000 | 84.157 | 0.03764 | 0.00000 | 316523.1 | 214368.1 | 100632.1 | S |
| 198.942 | 0.0000 | 0.0000 | 84.157 | 0.03764 | 0.00000 | 316523.1 | 214369.3 | 100632.1 | S |
| 198.950 | 0.0000 | 0.0000 | 84.157 | 0.03763 | 0.00000 | 316523.1 | 214370.4 | 100632.1 | S |
| 198.958 | 0.0000 | 0.0000 | 84.157 | 0.03763 | 0.00000 | 316523.1 | 214371.5 | 100632.3 | S |
| 198.967 | 0.0000 | 0.0000 | 84.157 | 0.03763 | 0.00000 | 316523.1 | 214372.7 | 100632.1 | S |
| 198.975 | 0.0000 | 0.0000 | 84.157 | 0.03762 | 0.00000 | 316523.1 | 214373.8 | 100632.1 | S |
| 198.983 | 0.0000 | 0.0000 | 84.157 | 0.03762 | 0.00000 | 316523.1 | 214374.9 | 100632.1 | S |
| 198.992 | 0.0000 | 0.0000 | 84.157 | 0.03762 | 0.00000 | 316523.1 | 214376.0 | 100632.1 | S |
| 199.000 | 0.0000 | 0.0000 | 84.156 | 0.03761 | 0.00000 | 316523.1 | 214377.2 | 100632.1 | S |
| 199.008 | 0.0000 | 0.0000 | 84.156 | 0.03761 | 0.00000 | 316523.1 | 214378.3 | 100632.1 | S |
| 199.017 | 0.0000 | 0.0000 | 84.156 | 0.03761 | 0.00000 | 316523.1 | 214379.4 | 100632.1 | S |
| 199.025 | 0.0000 | 0.0000 | 84.156 | 0.03760 | 0.00000 | 316523.1 | 214380.6 | 100632.1 | S |
| 199.033 | 0.0000 | 0.0000 | 84.156 | 0.03760 | 0.00000 | 316523.1 | 214381.7 | 100632.1 | S |
| 199.042 | 0.0000 | 0.0000 | 84.156 | 0.03760 | 0.00000 | 316523.1 | 214382.8 | 100632.1 | S |
| 199.050 | 0.0000 | 0.0000 | 84.156 | 0.03759 | 0.00000 | 316523.1 | 214383.9 | 100632.1 | S |
| 199.058 | 0.0000 | 0.0000 | 84.156 | 0.03759 | 0.00000 | 316523.1 | 214385.1 | 100632.1 | S |
| 199.067 | 0.0000 | 0.0000 | 84.156 | 0.03759 | 0.00000 | 316523.1 | 214386.2 | 100632.1 | S |
| 199.075 | 0.0000 | 0.0000 | 84.155 | 0.03759 | 0.00000 | 316523.1 | 214387.3 | 100632.1 | S |
| 199.083 | 0.0000 | 0.0000 | 84.755 | 0.03758 | 0.00000 | 316523.1 | 214388.5 | 100632.1 | S |
| 199.092 | 0.0000 | 0.0000 | 84.155 | 0.03758 | 0.00000 | 316523.1 | 214389.6 | 100632.1 | S |
| 199.100 | 0.0000 | 0.0000 | 84.155 | 0.03758 | 0.00000 | 316523.1 | 214390.7 | 100632.1 | S |
| 199.108 | 0.0000 | 0.0000 | 84.155 | 0.03757 | 0.00000 | 316523.1 | 214391.8 | 100632.1 | S |
| 199.117 | 0.0000 | 0.0000 | 84.155 | 0.03757 | 0.00000 | 316523.1 | 214393.0 | 100632.1 | S |
| 199.125 | 0.0000 | 0.0000 | 84.155 | 0.03757 | 0.00000 | 316523.1 | 214394.1 | 100632.1 | S |
| 199.133 | 0.0000 | 0.0000 | 84.155 | 0.03756 | 0.00000 | 316523.1 | 214395.2 | 100632.1 | S |
| 199.142 | 0.0000 | 0.0000 | 84.155 | 0.03756 | 0.00000 | 316523.1 | 214396.3 | 100632.1 | S |
| 199.150 | 0.0000 | 0.0000 | 84.154 | 0.03756 | 0.00000 | 316523.1 | 214397.5 | 100632.1 | S |
| 199.158 | 0.0000 | 0.0000 | 84.154 | 0.03755 | 0.00000 | 316523.1 | 214398.6 | 100632.1 | S |
| 199.167 | 0.0000 | 0.0000 | 84.154 | 0.03755 | 0.00000 | 316523.1 | 214399.7 | 100632.1 | S |
| 199.175 | 0.0000 | 0.0000 | 84.154 | 0.03755 | 0.00000 | 316523.1 | 214400.8 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | tnflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infilitration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{n}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infittration Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{fl}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 199.183 | 0.0000 | 0.0000 | 84.154 | 0.03754 | 0.00000 | 316523.1 | 214402.0 | 100632.1 | S |
| 199.192 | 0.0000 | 0.0000 | 84,154 | 0.03754 | 0.00000 | 316523.1 | 214403.1 | 100632.1 | S |
| 199.200 | 0.0000 | 0.0000 | 84.154 | 0.03754 | 0.00000 | 316523.1 | 214404.2 | 100632.1 | S |
| 199.208 | 0.0000 | 0.0000 | 84.154 | 0.03753 | 0.00000 | 316523.1 | 214405.4 | 100632.1 | S |
| 199.217 | 0.0000 | 0.0000 | 84.153 | 0.03753 | 0.00000 | 316523.1 | 214406.5 | 100632.1 | S |
| 199.225 | 0.0000 | 0.0000 | 84.153 | 0.03753 | 0.00000 | 316523.1 | 214407.6 | 100632.1 | S |
| 199.233 | 0.0000 | 0.0000 | 84.153 | 0.03752 | 0.00000 | 316523.1 | 214408.7 | 100632.1 | S |
| 199.242 | 0.0000 | 0.0000 | 84.153 | 0.03752 | 0.00000 | 316523.1 | 214409.9 | 100632.1 | S |
| 199.250 | 0.0000 | 0.0000 | 84.153 | 0.03752 | 0.00000 | 316523.1 | 214411.0 | 100632.1 | S |
| 199.258 | 0.0000 | 0.0000 | 84.153 | 0.03751 | 0.00000 | 316523.1 | 214412.3 | 100632.1 | S |
| 199.267 | 0.0000 | 0.0000 | 84.153 | 0.03751 | 0.00000 | 316523.1 | 214413.2 | 100632.1 | S |
| 199.275 | 0.0000 | 0.0000 | 84.153 | 0.03751 | 0.00000 | 316523.1 | 214414.4 | 100632.1 | S |
| 199.283 | 0.0000 | 0.0000 | 84.153 | 0.03750 | 0.00000 | 316523.1 | 214415.5 | 100632.1 | S |
| 199.292 | 0.0000 | 0.0000 | 84.152 | 0.03750 | 0.00000 | 316523.1 | 214416.6 | 100632.1 | S |
| 199.300 | 0.0000 | 0.0000 | 84.152 | 0.03750 | 0.00000 | 316523.1 | 214417.7 | 100632.1 | S |
| 199.308 | 0.0000 | 0.0000 | 84.152 | 0.03749 | 0.00000 | 316523.1 | 214418.9 | 100632.1 | S |
| 199.317 | 0.0000 | 0.0000 | 84.152 | 0.03749 | 0.00000 | 316523.1 | 214420.0 | 100632.1 | S |
| 199.325 | 0.0000 | 0.0000 | 84.152 | 0.03749 | 0.00000 | 316523.1 | 214421.1 | 100632.1 | S |
| 199.333 | 0.0000 | 0.0000 | 84.152 | 0.03749 | 0.00000 | 316523.1 | 214422.2 | 100632.1 | S |
| 199.342 | 0.0000 | 0.0000 | 84.152 | 0.03748 | 0.00000 | 316523.1 | 214423.4 | 100632.1 | S |
| 199.350 | 0.0000 | 0.0000 | 84.152 | 0.03748 | 0.00000 | 316523.1 | 214424.5 | 100632.1 | S |
| 199.358 | 0.0000 | 0.0000 | 84.152 | 0.03748 | 0.00000 | 316523.1 | 214425.6 | 100632.1 | S |
| 199.367 | 0.0000 | 0.0000 | 84.151 | 0.03747 | 0.00000 | 316523.1 | 214426.7 | 100632.1 | S |
| 199.375 | 0.0000 | 0.0000 | 84.151 | 0.03747 | 0.00000 | 316523.1 | 214427.9 | 100632.1 | S |
| 199.383 | 0.0000 | 0.0000 | 84.151 | 0.03747 | 0.00000 | 316523.1 | 214429.0 | 100632.1 | S |
| 199.392 | 0.0000 | 0.0000 | 84.151 | 0.03746 | 0.00000 | 316523.1 | 214430.1 | 100632.1 | S |
| 199.400 | 0.0000 | 0.0000 | 84.151 | 0.03746 | 0.00000 | 316523.1 | 214431.2 | 100632.1 | S |
| 199.408 | 0.0000 | 0.0000 | 84.151 | 0.03746 | 0.00000 | 316523.1 | 214432.4 | 100632.1 | S |
| 199.417 | 0.0000 | 0.0000 | 84.151 | 0.03745 | 0.00000 | 316523.1 | 214433.5 | 100632.1 | S |
| ¢99.425 | 0.0000 | 0.0000 | 84.151 | 0.03745 | 0.00000 | 316523.1 | 214434.6 | 100632.1 | S |
| 199.433 | 0.0000 | 0.0000 | 84.151 | 0.03745 | 0.00000 | 316523.1 | 214435.7 | 100632.1 | S |
| 199.442 | 0.0000 | 0.0000 | 84.150 | 0.03744 | 0.00000 | 316523.1 | 214436.8 | 100632.1 | S |
| 199.450 | 0.0000 | 0.0000 | 84.150 | 0.03744 | 0.00000 | 316523.1 | 214438.0 | 100632.1 | S |
| 199.458 | 0.0000 | 0.0000 | 84.150 | 0.03744 | 0.00000 | 316523.1 | 214439.1 | 100632.1 | S |
| 199.467 | 0.0000 | 0.0000 | 84.150 | 0.03743 | 0.00000 | 316523.1 | 214440.2 | 100632.1 | S |
| 199.475 | 0.0000 | 0.0000 | 84.150 | 0.03743 | 0.00000 | 316523.1 | 214441.3 | 100632.1 | S |
| 199.483 | 0.0000 | 0.0000 | 84.150 | 0.03743 | 0.00000 | 316523.1 | 214442.5 | 100632.1 | S |
| 199.492 | 0.0000 | 0.0000 | 84.150 | 0.03742 | 0.00000 | 316523.1 | 214443.6 | 100632.1 | S |
| 199.500 | 0.0000 | 0.0000 | 84.150 | 0.03742 | 0.00000 | 316523.1 | 214444.7 | 100632.1 | S |
| 199.508 | 0.0000 | 0.0000 | 84.150 | 0.03742 | 0.00000 | 316523.1 | 214445.8 | 100632.1 | S |
| 199.517 | 0.0000 | 0.0000 | 84.149 | 0.03741 | 0.00000 | 316523.1 | 214447.0 | 100632.1 | S |
| 199.525 | 0.0000 | 0.0000 | 84.149 | 0.03741 | 0.00000 | 316523.1 | 214448.1 | 100632.1 | S |
| 199.533 | 0.0000 | 0.0000 | 84.149 | 0.03741 | 0.00000 | 316523.1 | 214449.2 | 100632.1 | S |
| 199.542 | 0.0000 | 0.0000 | 84.149 | 0.03740 | 0.00000 | 316523.1 | 214450.3 | 100632.1 | S |
| 199.550 | 0.0000 | 0.0000 | 84.149 | 0.03740 | 0.00000 | 316523.1 | 214451.4 | 100632.1 | S |
| 199.558 | 0.0000 | 0.0000 | 84.149 | 0.03740 | 0.00000 | 316523.1 | 214452.6 | 100632.1 | S |
| 199.567 | 0.0000 | 0.0000 | 84.149 | 0.03740 | 0.00000 | 316523.1 | 214453.7 | 100632.1 | S |
| 199.575 | 0.0000 | 0.0000 | 84.149 | 0.03739 | 0.00000 | 316523.1 | 214454.8 | 100632.1 | S |
| 199.583 | 0.0000 | 0.0000 | 84.149 | 0.03739 | 0.00000 | 316523.1 | 214455.9 | 100632.1 | S |
| 199.592 | 0.0000 | 0.0000 | 84.148 | 0.03739 | 0.00000 | 316523.1 | 214457.0 | 100632.1 | S |
| 199.600 | 0.0000 | 0.0000 | 84.148 | 0.03738 | 0.00000 | 316523.1 | 214458.2 | 100632.1 | S |
| 199.608 | 0.0000 | 0.0000 | 84.148 | 0.03738 | 0.00000 | 316523.1 | 214459.3 | 100632.1 | S |
| 199.617 | 0.0000 | 0.0000 | 84.148 | 0.03738 | 0.00000 | 316523.1 | 214460.4 | 100632.1 | S |
| 199.625 | 0.0000 | 0.0000 | 84.148 | 0.03737 | 0.00000 | 316523.1 | 214461.5 | 100632.1 | S |
| 199.633 | 0.0000 | 0.0000 | 84.148 | 0.03737 | 0.00000 | 316523.1 | 214462.7 | 100632.1 | S |
| 199.642 | 0.0000 | 0.0000 | 84.148 | 0.03737 | 0.00000 | 316523.1 | 214463.8 | 100632.1 | S |
| 199.650 | 0.0000 | 0.0000 | 84.148 | 0.03736 | 0.00000 | 316523.1 | 214464.9 | 100632.1 | S |
| 199.658 | 0.0000 | 0.0000 | 84.148 | 0.03736 | 0.00000 | 316523.1 | 214466.0 | 100632.1 | S |
| 199.667 | 0.0000 | 0.0000 | 84.147 | 0.03736 | 0.00000 | 316523.1 | 214467.1 | 100632.1 | S |
| 199.675 | 0.0000 | 0.0000 | 84.147 | 0.03735 | 0.00000 | 316523.1 | 214468.3 | 100632.1 | S |
| 199.683 | 0.0000 | 0.0000 | 84.147 | 0.03735 | 0.00000 | 316523.1 | 214469.4 | 100632.1 | S |
| 199.692 | 0.0000 | 0.0000 | 84.147 | 0.03735 | 0.00000 | 316523.1 | 214470.5 | 100632.1 | S |
| 199.700 | 0.0000 | 0.0000 | 84.147 | 0.03734 | 0.00000 | 316523.1 | 214471.6 | 100632.1 | S |
| 199.708 | 0.0000 | 0.0000 | 84.147 | 0.03734 | 0.00000 | 316523.1 | 214472.8 | 100632.1 | S |
| 199.717 | 0.0000 | 0.0000 | 84.147 | 0.03734 | 0.00000 | 316523.1 | 214473.9 | 100632.1 | S |
| 199.725 | 0.0000 | 0.0000 | 84.147 | 0.03733 | 0.00000 | 316523.1 | 214475.0 | 100632.1 | S |
| 199.733 | 0.0000 | 0.0000 | 84.147 | 0.03733 | 0.00000 | 316523.1 | 214476.1 | 100632.1 | S |
| 199.742 | 0.0000 | 0.0000 | 84.146 | 0.03733 | 0.00000 | 316523.1 | 214477.2 | 100632.1 | S |
| 199.750 | 0.0000 | 0.0000 | 84.146 | 0.03732 | 0.00000 | 316523.1 | 214478.3 | 100632.1 | S |
| 199.758 | 0.0000 | 0.0000 | 84.146 | 0.03732 | 0.00000 | 316523.1 | 214479.5 | 100632.1 | S |
| 199.767 | 0.0000 | 0.0000 | 84.146 | 0.03732 | 0.00000 | 316523.1 | 214480.6 | 100632.1 | S |
| 199.775 | 0.0000 | 0.0000 | 84.146 | 0.03732 | 0.00000 | 316523.1 | 214481.7 | 100632.1 | S |
| 199.783 | 0.0000 | 0.0000 | 84.146 | 0.03731 | 0.00000 | 316523.1 | 214482.8 | 100632.1 | S |
| 199.792 | 0.0000 | 0.0000 | 84.146 | 0.03731 | 0.00000 | 316523.1 | 214483.9 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario $1::$ pond10 100 yr $/ 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (fl datum) | Infilitration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{f}^{\mathrm{t}} / \mathrm{s}$ ) | Cumulative Infiow Volume ( $\mathrm{It}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 199.800 | 0.0000 | 0.0000 | 84.146 | 0.03731 | 0.00000 | 316523.1 | 214485.1 | 100632.1 | S |
| 199.808 | 0.0000 | 0.0000 | 84.145 | 0.03730 | 0.00000 | 316523.1 | 214486.2 | 100632.1 | S |
| 199.817 | 0.0000 | 0.0000 | 84.145 | 0.03730 | 0.00000 | 316523.1 | 214487.3 | 100632.1 | S |
| 199.825 | 0.0000 | 0.0000 | 84.145 | 0.03730 | 0.00000 | 316523.1 | 214488.4 | 100632.7 | S |
| 199.833 | 0.0000 | 0.0000 | 84.145 | 0.03729 | 0.00000 | 316523.1 | 214489.5 | 100632.1 | S |
| 199.842 | 0.0000 | 0.0000 | 84.145 | 0.03729 | 0.00000 | 316523.1 | 214490.7 | 100632.1 | S |
| 199.850 | 0.0000 | 0.0000 | 84.145 | 0.03729 | 0.00000 | 316523.1 | 214491.8 | 100632.1 | S |
| 199.858 | 0.0000 | 0.0000 | 84.145 | 0.03728 | 0.00000 | 316523.1 | 214492.9 | 100632.1 | S |
| 199.867 | 0.0000 | 0.0000 | 84.145 | 0.03728 | 0.00000 | 316523.1 | 214494.0 | 100632.1 | S |
| 199.875 | 0.0000 | 0.0000 | 84.145 | 0.03728 | 0.00000 | 316523.1 | 214495.1 | 100632.1 | S |
| 199.883 | 0.0000 | 0.0000 | 84.144 | 0.03727 | 0.00000 | 316523.1 | 214496.3 | 100632.1 | S |
| 199.892 | 0.0000 | 0.0000 | 84.144 | 0.03727 | 0.00000 | 316523.1 | 214497.4 | 100632.1 | S |
| 199.900 | 0.0000 | 0.0000 | 84.144 | 0.03727 | 0.00000 | 316523.1 | 214498.5 | 100632.1 | S |
| 199.908 | 0.0000 | 0.0000 | 84.144 | 0.03726 | 0.00000 | 316523.1 | 214499.6 | 100632.1 | S |
| 199.917 | 0.0000 | 0.0000 | 84.144 | 0.03726 | 0.00000 | 316523.1 | 214500.7 | 100632.1 | S |
| 199.925 | 0.0000 | 0.0000 | 84.144 | 0.03726 | 0.00000 | 316523.1 | 214501.8 | 100632.1 | S |
| 199.933 | 0.0000 | 0.0000 | 84.144 | 0.03725 | 0.00000 | 316523.1 | 214503.0 | 100632.1 | S |
| 199.942 | 0.0000 | 0.0000 | 84.144 | 0.03725 | 0.00000 | 316523.1 | 214504.1 | 100632.1 | S |
| 199.950 | 0.0000 | 0.0000 | 84.144 | 0.03725 | 0.00000 | 316523.1 | 214505.2 | 100632.1 | S |
| 199.958 | 0.0000 | 0.0000 | 84.143 | 0.03724 | 0.00000 | 316523.1 | 214506.3 | 100632.1 | S |
| 199.967 | 0.0000 | 0.0000 | 84.143 | 0.03724 | 0.00000 | 316523.1 | 214507.4 | 100632.1 | S |
| 199.975 | 0.0000 | 0.0000 | 84.143 | 0.03724 | 0.00000 | 316523.1 | 214508.5 | 100632.1 | S |
| 199.983 | 0.0000 | 0.0000 | 84.143 | 0.03724 | 0.00000 | 316523.1 | 214509.7 | 100632.1 | S |
| 199.992 | 0.0000 | 0.0000 | 84.143 | 0.03723 | 0.00000 | 316523.1 | 214510.8 | 100632.1 | S |
| 200.000 | 0.0000 | 0.0000 | 84.143 | 0.03723 | 0.00000 | 316523.1 | 214511.9 | 100632.1 | S |
| 200.008 | 0.0000 | 0.0000 | 84.143 | 0.03723 | 0.00000 | 316523.1 | 214513.0 | 100632.1 | S |
| 200.017 | 0.0000 | 0.0000 | 84.143 | 0.03722 | 0.00000 | 316523.1 | 214514.1 | 100632.1 | S |
| 200.025 | 0.0000 | 0.0000 | 84.143 | 0.03722 | 0.00000 | 316523.1 | 214515.2 | 100632.1 | 5 |
| 200.033 | 0.0000 | 0.0000 | 84.142 | 0.03722 | 0.00000 | 316523.1 | 214516.4 | 100632.1 | S |
| 200.042 | 0.0000 | 0.0000 | 84.142 | 0.03721 | 0.00000 | 316523.1 | 214517.5 | 100632.1 | S |
| 200.050 | 0.0000 | 0.0000 | 84.142 | 0.03721 | 0.00000 | 316523.1 | 214518.6 | 100632.1 | S |
| 200.058 | 0.0000 | 0.0000 | 84.142 | 0.03721 | 0.00000 | 316523.1 | 214519.7 | 100632.1 | S |
| 200.067 | 0.0000 | 0.0000 | 84.142 | 0.03720 | 0.00000 | 316523.1 | 214520.8 | 100632.1 | S |
| 200.075 | 0.0000 | 0.0000 | 84.142 | 0.03720 | 0.00000 | 316523.1 | 214521.9 | 100632.1 | S |
| 200.083 | 0.0000 | 0.0000 | 84.142 | 0.03720 | 0.00000 | 316523.1 | 214523.1 | 100632.1 | S |
| 200.092 | 0.0000 | 0.0000 | 84.142 | 0.03719 | 0.00000 | 316523.1 | 214524.2 | 100632.1 | S |
| 200.100 | 0.0000 | 0.0000 | 84.142 | 0.03719 | 0.00000 | 316523.1 | 214525.3 | 100632.1 | S |
| 200.108 | 0.0000 | 0.0000 | 84.141 | 0.03719 | 0.00000 | 316523.1 | 214526.4 | 100632.1 | S |
| 200.117 | 0.0000 | 0.0000 | 84.141 | 0.03718 | 0.00000 | 316523.1 | 214527.5 | 100632.1 | S |
| 200.125 | 0.0000 | 0.0000 | 84.141 | 0.03718 | 0.00000 | 316523.1 | 214528.6 | 100632.1 | S |
| 200.133 | 0.0000 | 0.0000 | 84.141 | 0.03718 | 0.00000 | 316523.1 | 214529.8 | 100632.1 | S |
| 200.142 | 0.0000 | 0.0000 | 84.141 | 0.03717 | 0.00000 | 316523.1 | 214530.9 | 100632.1 | S |
| 200.150 | 0.0000 | 0.0000 | 84.141 | 0.03717 | 0.00000 | 316523.1 | 214532.0 | 100632.1 | S |
| 200.158 | 0.0000 | 0.0000 | 84.141 | 0.03717 | 0.00000 | 316523.1 | 214533.1 | 100632.1 | S |
| 200.167 | 0.0000 | 0.0000 | 84.141 | 0.03717 | 0.00000 | 316523.1 | 214534.2 | 100632.1 | S |
| 200.175 | 0.0000 | 0.0000 | 84.141 | 0.03716 | 0.00000 | 316523.1 | 214535.3 | 100632.7 | S |
| 200.183 | 0.0000 | 0.0000 | 84.140 | 0.03716 | 0.00000 | 316523.1 | 214536.4 | 100632.1 | S |
| 200.192 | 0.0000 | 0.0000 | 84.140 | 0.03716 | 0.00000 | 316523.1 | 214537.5 | 100632.1 | S |
| 200.200 | 0.0000 | 0.0000 | 84.140 | 0.03715 | 0.00000 | 376523.1 | 214538.7 | 100632.1 | S |
| 200.208 | 0.0000 | 0.0000 | 84.140 | 0.03715 | 0.00000 | 316523.1 | 214539.8 | 100632.1 | S |
| 200.217 | 0.0000 | 0.0000 | 84.140 | 0.03715 | 0.00000 | 316523.1 | 214540.9 | 100632.1 | S |
| 200.225 | 0.0000 | 0.0000 | 84.140 | 0.03714 | 0.00000 | 316523.1 | 214542.0 | 100632.1 | S |
| 200.233 | 0.0000 | 0.0000 | 84.140 | 0.03714 | 0.00000 | 316523.1 | 214543.1 | 100632.1 | S |
| 200.242 | 0.0000 | 0.0000 | 84.140 | 0.03714 | 0.00000 | 316523.1 | 214544.2 | 100632.1 | S |
| 200.250 | 0.0000 | 0.0000 | 84.140 | 0.03713 | 0.00000 | 316523.1 | 214545.4 | 100632.1 | S |
| 200.258 | 0.0000 | 0.0000 | 84.139 | 0.03713 | 0.00000 | 316523.1 | 214546.5 | 100632.1 | S |
| 200.267 | 0.0000 | 0.0000 | 84.139 | 0.03713 | 0.00000 | 316523.1 | 214547.6 | 100632.1 | S |
| 200.275 | 0.0000 | 0.0000 | 84.139 | 0.03712 | 0.00000 | 316523.1 | 214548.7 | 100632.1 | S |
| 200.283 | 0.0000 | 0.0000 | 84.139 | 0.03712 | 0.00000 | 316523.1 | 214549.8 | 100632.1 | S |
| 200.292 | 0.0000 | 0.0000 | 84.139 | 0.03712 | 0.00000 | 316523.1 | 214550.9 | 100632.1 | S |
| 200.300 | 0.0000 | 0.0000 | 84.139 | 0.03711 | 0.00000 | 316523.1 | 214552.0 | 100632.1 | S |
| 200.308 | 0.0000 | 0.0000 | 84.139 | 0.03711 | 0.00000 | 316523.1 | 214553.2 | 100632.1 | S |
| 200.317 | 0.0000 | 0.0000 | 84.139 | 0.03711 | 0.00000 | 316523.1 | 214554.3 | 100632.1 | S |
| 200.325 | 0.0000 | 0.0000 | 84.139 | 0.03710 | 0.00000 | 316523.1 | 214555.4 | 100632.1 | S |
| 200.333 | 0.0000 | 0.0000 | 84.138 | 0.03710 | 0.00000 | 316523.1 | 214556.5 | 100632.1 | S |
| 200.342 | 0.0000 | 0.0000 | 84.138 | 0.03710 | 0.00000 | 316523.1 | 214557.6 | 100632.1 | S |
| 200.350 | 0.0000 | 0.0000 | 84.138 | 0.03709 | 0.00000 | 316523.1 | 214558.7 | 100632.1 | S |
| 200.358 | 0.0000 | 0.0000 | 84.138 | 0.03709 | 0.00000 | 316523.1 | 214559.8 | 100632.1 | S |
| 200.367 | 0.0000 | 0.0000 | 84.138 | 0.03709 | 0.00000 | 316523.1 | 214560.9 | 100632.1 | S |
| 200.375 | 0.0000 | 0.0000 | 84.138 | 0.03709 | 0.00000 | 316523.1 | 214562.0 | 100632.1 | S |
| 200.383 | 0.0000 | 0.0000 | 84.138 | 0.03708 | 0.00000 | 316523.1 | 214563.2 | 100632.1 | S |
| 200.392 | 0.0000 | 0.0000 | 84.138 | 0.03708 | 0.00000 | 316523.1 | 214564.3 | 100632.1 | S |
| 200.400 | 0.0000 | 0.0000 | 84.138 | 0.03708 | 0.00000 | 316523.1 | 214565.4 | 100632.1 | S |
| 200.408 | 0.0000 | 0.0000 | 84.137 | 0.03707 | 0.00000 | 316523.1 | 214566.5 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/overflow

| Elapsed Time (hours) | infiow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (fi/day) | Stage Elevation (fi datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Infow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 200.417 | 0.0000 | 0.0000 | 84.137 | 0.03707 | 0.00000 | 316523.1 | 214567.6 | 100632.1 | S |
| 200.425 | 0.0000 | 0.0000 | 84.137 | 0.03707 | 0.00000 | 316523.1 | 214568.7 | 100632.1 | S |
| 200.433 | 0.0000 | 0.0000 | 84.137 | 0.03706 | 0.00000 | 316523.1 | 214569.8 | 100632.1 | S |
| 200.442 | 0.0000 | 0.0000 | 84.137 | 0.03706 | 0.00000 | 316523.1 | 214571.0 | 100632.1 | S |
| 200.450 | 0.0000 | 0.0000 | 84.137 | 0.03706 | 0.00000 | 316523.1 | 214572.1 | 100632.1 | S |
| 200.458 | 0.0000 | 0.0000 | 84.137 | 0.03705 | 0.00000 | 316523.1 | 214573.2 | 100632.1 | S |
| 200.467 | 0.0000 | 0.0000 | 84.137 | 0.03705 | 0.00000 | 316523.1 | 214574.3 | 100632.7 | S |
| 200.475 | 0.0000 | 0.0000 | 84.137 | 0.03705 | 0.00000 | 316523.1 | 214575.4 | 100632.1 | S |
| 200.483 | 0.0000 | 0.0000 | 84.136 | 0.03704 | 0.00000 | 316523.1 | 214576.5 | 100632.1 | S |
| 200.492 | 0.0000 | 0.0000 | 84.136 | 0.03704 | 0.00000 | 316523.1 | 214577.6 | 100632.1 | S |
| 200.500 | 0.0000 | 0.0000 | 84.136 | 0.03704 | 0.00000 | 316523.1 | 214578.7 | 100632.1 | S |
| 200.508 | 0.0000 | 0.0000 | 84.136 | 0.03703 | 0.00000 | 316523.1 | 214579.8 | 100632.1 | S |
| 200.517 | 0.0000 | 0.0000 | 84.136 | 0.03703 | 0.00000 | 316523.1 | 214581.0 | 100632.1 | S |
| 200.525 | 0.0000 | 0.0000 | 84.136 | 0.03703 | 0.00000 | 316523.1 | 214582.1 | 100632.1 | S |
| 200.533 | 0.0000 | 0.0000 | 84.136 | 0.03703 | 0.00000 | 316523.1 | 214583.2 | 100632.1 | S |
| 200.542 | 0.0000 | 0.0000 | 84.136 | 0.03702 | 0.00000 | 316523.1 | 214584.3 | 100632.1 | S |
| 200.550 | 0.0000 | 0.0000 | 84.136 | 0.03702 | 0.00000 | 316523.1 | 214585.4 | 100632.1 | S |
| 200.558 | 0.0000 | 0.0000 | 84.135 | 0.03702 | 0.00000 | 316523.1 | 214586.5 | 100632.1 | S |
| 200.567 | 0.0000 | 0.0000 | 84.135 | 0.03701 | 0.00000 | 316523.1 | 214587.6 | 100632.1 | S |
| 200.575 | 0.0000 | 0.0000 | 84.135 | 0.03701 | 0.00000 | 316523.1 | 214588.7 | 100632.1 | S |
| 200.583 | 0.0000 | 0.0000 | 84.135 | 0.03701 | 0.00000 | 316523.1 | 214589.8 | 100632.1 | S |
| 200.592 | 0.0000 | 0.0000 | 84.135 | 0.03700 | 0.00000 | 316523.1 | 214591.0 | 100632.1 | S |
| 200.600 | 0.0000 | 0.0000 | 84.135 | 0.03700 | 0.00000 | 316523.1 | 214592.1 | 100632.1 | S |
| 200.608 | 0.0000 | 0.0000 | 84.135 | 0.03700 | 0.00000 | 316523.1 | 214593.2 | 100632.1 | S |
| 200.617 | 0.0000 | 0.0000 | 84.135 | 0.03699 | 0.00000 | 316523.1 | 214594.3 | 100632.1 | S |
| 200.625 | 0.0000 | 0.0000 | 84.134 | 0.03699 | 0.00000 | 316523.1 | 214595.4 | 100632.1 | S |
| 200.633 | 0.0000 | 0.0000 | 84.134 | 0.03699 | 0.00000 | 316523.1 | 214596.5 | 100632.1 | S |
| 200.642 | 0.0000 | 0.0000 | 84.134 | 0.03698 | 0.00000 | 316523.1 | 214597.6 | 100632.1 | S |
| 200.650 | 0.0000 | 0.0000 | 84.134 | 0.03698 | 0.00000 | 316523.1 | 214598.7 | 100632.1 | S |
| 200.658 | 0.0000 | 0.0000 | 84.134 | 0.03698 | 0.00000 | 316523.1 | 214599.8 | 100632.1 | S |
| 200.667 | 0.0000 | 0.0000 | 84.134 | 0.03697 | 0.00000 | 316523.1 | 214600.9 | 100632.1 | S |
| 200.675 | 0.0000 | 0.0000 | 84.134 | 0.03697 | 0.00000 | 316523.1 | 214602.0 | 100632.1 | S |
| 200.683 | 0.0000 | 0.0000 | 84.134 | 0.03697 | 0.00000 | 316523.1 | 214603.2 | 100632.1 | S |
| 200.692 | 0.0000 | 0.0000 | 84.134 | 0.03696 | 0.00000 | 316523.1 | 214604.3 | 100632.1 | S |
| 200.700 | 0.0000 | 0.0000 | 84.133 | 0.03696 | 0.00000 | 316523.1 | 214605.4 | 100632.1 | S |
| 200.708 | 0.0000 | 0.0000 | 84.133 | 0.03696 | 0.00000 | 316523.1 | 214606.5 | 100632.1 | S |
| 200.717 | 0.0000 | 0.0000 | 84.133 | 0.03696 | 0.00000 | 316523.1 | 214607.6 | 100632.1 | S |
| 200.725 | 0.0000 | 0.0000 | 84.133 | 0.03695 | 0.00000 | 316523.1 | 214608.7 | 100632.1 | S |
| 200.733 | 0.0000 | 0.0000 | 84.133 | 0.03695 | 0.00000 | 316523.1 | 214609.8 | 100632.1 | S |
| 200.742 | 0.0000 | 0.0000 | 84.133 | 0.03695 | 0.00000 | 316523.1 | 214610.9 | 100632.1 | S |
| 200.750 | 0.0000 | 0.0000 | 84.133 | 0.03694 | 0.00000 | 316523.1 | 214612.0 | 100632.1 | S |
| 200.758 | 0.0000 | 0.0000 | 84.133 | 0.03694 | 0.00000 | 316523.1 | 214613.1 | 100632.1 | S |
| 200.767 | 0.0000 | 0.0000 | 84.133 | 0.03694 | 0.00000 | 316523.1 | 214614.2 | 100632.1 | S |
| 200.775 | 0.0000 | 0.0000 | 84.132 | 0.03693 | 0.00000 | 316523.1 | 214615.3 | 100632.1 | S |
| 200.783 | 0.0000 | 0.0000 | 84.132 | 0.03693 | 0.00000 | 316523.1 | 214616.5 | 100632.1 | S |
| 200.792 | 0.0000 | 0.0000 | 84.132 | 0.03693 | 0.00000 | 316523.1 | 214617.6 | 100632.1 | S |
| 200.800 | 0.0000 | 0.0000 | 84.132 | 0.03692 | 0.00000 | 316523.1 | 214618.7 | 100632.1 | S |
| 200.808 | 0.0000 | 0.0000 | 84.132 | 0.03692 | 0.00000 | 316523.1 | 214619.8 | 100632.1 | S |
| 200.817 | 0.0000 | 0.0000 | 84.132 | 0.03692 | 0.00000 | 316523.1 | 214620.9 | 100632.1 | S |
| 200.825 | 0.0000 | 0.0000 | 84.132 | 0.03691 | 0.00000 | 316523.1 | 214622.0 | 100632.1 | S |
| 200.833 | 0.0000 | 0.0000 | 84.132 | 0.03691 | 0.00000 | 316523.1 | 214623.1 | 100632.1 | S |
| 200.842 | 0.0000 | 0.0000 | 84.132 | 0.03691 | 0.00000 | 316523.1 | 214624.2 | 100632.1 | S |
| 200.850 | 0.0000 | 0.0000 | 84.131 | 0.03690 | 0.00000 | 316523.1 | 214625.3 | 100632.1 | S |
| 200.858 | 0.0000 | 0.0000 | 84.131 | 0.03690 | 0.00000 | 316523.1 | 214626.4 | 100632.1 | S |
| 200.867 | 0.0000 | 0.0000 | 84.131 | 0.03690 | 0.00000 | 316523.1 | 214627.5 | 100632.1 | S |
| 200.875 | 0.0000 | 0.0000 | 84.131 | 0.03690 | 0.00000 | 316523.1 | 214628.6 | 100632.1 | S |
| 200.883 | 0.0000 | 0.0000 | 84.131 | 0.03689 | 0.00000 | 316523.1 | 214629.8 | 100632.1 | S |
| 200.892 | 0.0000 | 0.0000 | 84.131 | 0.03689 | 0.00000 | 316523.1 | 214630.8 | 100632.1 | S |
| 200.900 | 0.0000 | 0.0000 | 84.131 | 0.03689 | 0.00000 | 316523.1 | 214632.0 | 100632.1 | S |
| 200.908 | 0.0000 | 0.0000 | 84.131 | 0.03688 | 0.00000 | 316523.1 | 214633.1 | 100632.1 | S |
| 200.917 | 0.0000 | 0.0000 | 84.131 | 0.03688 | 0.00000 | 316523.1 | 214634.2 | 100632.7 | S |
| 200.925 | 0.0000 | 0.0000 | 84.130 | 0.03688 | 0.00000 | 316523.1 | 214635.3 | 100632.1 | S |
| 200.933 | 0.0000 | 0.0000 | 84.130 | 0.03687 | 0.00000 | 316523.1 | 214636.4 | 100632.1 | S |
| 200.942 | 0.0000 | 0.0000 | 84.130 | 0.03687 | 0.00000 | 316523.1 | 214637.5 | 100632.1 | S |
| 200.950 | 0.0000 | 0.0000 | 84.130 | 0.03687 | 0.00000 | 316523.1 | 214638.6 | 100632.1 | S |
| 200.958 | 0.0000 | 0.0000 | 84.130 | 0.03686 | 0.00000 | 316523.1 | 214639.7 | 100632.1 | S |
| 200.967 | 0.0000 | 0.0000 | 84.130 | 0.03686 | 0.00000 | 316523.1 | 214640.8 | 100632.1 | S |
| 200.975 | 0.0000 | 0.0000 | 84.130 | 0.03686 | 0.00000 | 316523.1 | 214641.9 | 100632.1 | S |
| 200.983 | 0.0000 | 0.0000 | 84.130 | 0.03685 | 0.00000 | 316523.1 | 214643.0 | 100632.1 | S |
| 200.992 | 0.0000 | 0.0000 | 84.130 | 0.03685 | 0.00000 | 316523.1 | 214644.1 | 100632.1 | S |
| 201.000 | 0.0000 | 0.0000 | 84.129 | 0.03685 | 0.00000 | 316523.1 | 214645.2 | 100632.1 | S |
| 201.008 | 0.0000 | 0.0000 | 84.129 | 0.03684 | 0.00000 | 316523.1 | 214646.3 | 100632.1 | S |
| 201.017 | 0.0000 | 0.0000 | 84.129 | 0.03684 | 0.00000 | 316523.1 | 214647.4 | 100632.1 | S |
| 201.025 | 0.0000 | 0.0000 | 84.129 | 0.03684 | 0.00000 | 316523.1 | 214648.5 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate (ft ${ }^{3} / \mathrm{s}$ ) | Overflow Discharge $\left(\mathrm{ft}^{3} / \mathrm{s}\right)$ | Cumulative Inflow <br> Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 201.033 | 0.0000 | 0.0000 | 84.129 | 0.03684 | 0.00000 | 316523.1 | 214649.7 | 100632.1 | S |
| 201.042 | 0.0000 | 0.0000 | 84.129 | 0.03683 | 0.00000 | 316523.1 | 214650.8 | 100632.1 | S |
| 201.050 | 0.0000 | 0.0000 | 84.129 | 0.03683 | 0.00000 | 316523.1 | 214651.9 | 100632.1 | S |
| 201.058 | 0.0000 | 0.0000 | 84.129 | 0.03683 | 0.00000 | 316523.1 | 214653.0 | 100632.1 | S |
| 201.067 | 0.0000 | 0.0000 | 84.129 | 0.03682 | 0.00000 | 316523.1 | 214654.1 | 100632.1 | S |
| 201.075 | 0.0000 | 0.0000 | 84.128 | 0.03682 | 0.00000 | 316523.1 | 214655.2 | 100632.1 | S |
| 201.083 | 0.0000 | 0.0000 | 84.128 | 0.03682 | 0.00000 | 316523.1 | 214656.3 | 100632.1 | S |
| 201.092 | 0.0000 | 0.0000 | 84.128 | 0.03681 | 0.00000 | 316523.1 | 214657.4 | 100632.1 | S |
| 201.100 | 0.0000 | 0.0000 | 84.128 | 0.03681 | 0.00000 | 316523.1 | 214658.5 | 100632.1 | S |
| 201.108 | 0.0000 | 0.0000 | 84.128 | 0.03681 | 0.00000 | 316523.1 | 214659.6 | 100632.1 | S |
| 201.117 | 0.0000 | 0.0000 | 84.128 | 0.03680 | 0.00000 | 316523.1 | 214660.7 | 100632.1 | S |
| 201.125 | 0.0000 | 0.0000 | 84.128 | 0.03680 | 0.00000 | 316523.1 | 214661.8 | 100632.1 | S |
| 201.133 | 0.0000 | 0.0000 | 84.128 | 0.03680 | 0.00000 | 316523.1 | 214662.9 | 100632.1 | S |
| 201.142 | 0.0000 | 0.0000 | 84.128 | 0.03679 | 0.00000 | 316523.1 | 214664.0 | 100632.1 | S |
| 201.150 | 0.0000 | 0.0000 | 84.127 | 0.03679 | 0.00000 | 316523.1 | 214665.1 | 100632.1 | S |
| 201.158 | 0.0000 | 0.0000 | 84.127 | 0.03679 | 0.00000 | 316523.1 | 214666.2 | 100632.1 | S |
| 201.167 | 0.0000 | 0.0000 | 84.127 | 0.03678 | 0.00000 | 316523.1 | 214667.3 | 100632.1 | S |
| 201.175 | 0.0000 | 0.0000 | 84.127 | 0.03678 | 0.00000 | 316523.1 | 214668.4 | 100632.1 | S |
| 201.183 | 0.0000 | 0.0000 | 84.127 | 0.03678 | 0.00000 | 316523.1 | 214669.5 | 100632.1 | S |
| 201.192 | 0.0000 | 0.0000 | 84.127 | 0.03678 | 0.00000 | 316523.1 | 214670.6 | 100632.1 | S |
| 201.200 | 0.0000 | 0.0000 | 84.127 | 0.03677 | 0.00000 | 316523.1 | 214671.7 | 100632.1 | S |
| 201.208 | 0.0000 | 0.0000 | 84.127 | 0.03677 | 0.00000 | 316523.1 | 214672.8 | 100632.1 | S |
| 201.217 | 0.0000 | 0.0000 | 84.127 | 0.03677 | 0.00000 | 316523.1 | 214673.9 | 100632.1 | S |
| 201.225 | 0.0000 | 0.0000 | 84.126 | 0.03676 | 0.00000 | 316523.1 | 214675.0 | 100632.1 | S |
| 201.233 | 0.0000 | 0.0000 | 84.126 | 0.03676 | 0.00000 | 316523.1 | 214676.1 | 100632.1 | S |
| 201.242 | 0.0000 | 0.0000 | 84.126 | 0.03676 | 0.00000 | 316523.1 | 214677.3 | 100632.1 | S |
| 201.250 | 0.0000 | 0.0000 | 84.126 | 0.03675 | 0.00000 | 316523.1 | 214678.3 | 100632.1 | S |
| 201.258 | 0.0000 | 0.0000 | 84.126 | 0.03675 | 0.00000 | 316523.1 | 214679.5 | 100632.1 | S |
| 201.267 | 0.0000 | 0.0000 | 84.126 | 0.03675 | 0.00000 | 316523.1 | 214680.5 | 100632.1 | S |
| 201.275 | 0.0000 | 0.0000 | 84.126 | 0.03674 | 0.00000 | 316523.1 | 214681.7 | 100632.1 | S |
| 201.283 | 0.0000 | 0.0000 | 84.126 | 0.03674 | 0.00000 | 316523.1 | 214682.8 | 100632.1 | S |
| 201.292 | 0.0000 | 0.0000 | 84.126 | 0.03674 | 0.00000 | 316523.1 | 214683.9 | 100632.1 | S |
| 201.300 | 0.0000 | 0.0000 | 84.125 | 0.03673 | 0.00000 | 316523.1 | 214685.0 | 100632.1 | S |
| 201.308 | 0.0000 | 0.0000 | 84.125 | 0.03673 | 0.00000 | 316523.1 | 214686.1 | 100632.1 | S |
| 201.317 | 0.0000 | 0.0000 | 84.125 | 0.03673 | 0.00000 | 316523.1 | 214687.2 | 100632.1 | S |
| 201.325 | 0.0000 | 0.0000 | 84.125 | 0.03672 | 0.00000 | 316523.1 | 214688.3 | 100632.1 | S |
| 201.333 | 0.0000 | 0.0000 | 84.125 | 0.03672 | 0.00000 | 316523.1 | 214689.4 | 100632.1 | S |
| 201.342 | 0.0000 | 0.0000 | 84.125 | 0.03672 | 0.00000 | 316523.1 | 214690.5 | 100632.1 | S |
| 201.350 | 0.0000 | 0.0000 | 84.125 | 0.03672 | 0.00000 | 316523.1 | 214691.6 | 100632.1 | S |
| 201.358 | 0.0000 | 0.0000 | 84.125 | 0.03671 | 0.00000 | 316523.1 | 214692.7 | 100632.1 | S |
| 201.367 | 0.0000 | 0.0000 | 84.125 | 0.03671 | 0.00000 | 316523.1 | 214693.8 | 100632.1 | S |
| 201.375 | 0.0000 | 0.0000 | 84.124 | 0.03671 | 0.00000 | 316523.1 | 214694.9 | 100632.1 | S |
| 201.383 | 0.0000 | 0.0000 | 84.124 | 0.03670 | 0.00000 | 316523.1 | 214696.0 | 100632.1 | S |
| 201.392 | 0.0000 | 0.0000 | 84.124 | 0.03670 | 0.00000 | 316523.1 | 214697.1 | 100632.1 | S |
| 201.400 | 0.0000 | 0.0000 | 84.124 | 0.03670 | 0.00000 | 316523.1 | 214698.2 | 100632.1 | S |
| 201.408 | 0.0000 | 0.0000 | 84.124 | 0.03669 | 0.00000 | 316523.1 | 214699.3 | 100632.1 | S |
| 201.417 | 0.0000 | 0.0000 | 84.124 | 0.03669 | 0.00000 | 316523.1 | 214700.4 | 100632.1 | S |
| 201.425 | 0.0000 | 0.0000 | 84.124 | 0.03669 | 0.00000 | 316523.1 | 214701.5 | 100632.1 | S |
| 201.433 | 0.0000 | 0.0000 | 84.124 | 0.03668 | 0.00000 | 316523.1 | 214702.6 | 100632.1 | S |
| 201.442 | 0.0000 | 0.0000 | 84.124 | 0.03668 | 0.00000 | 316523.1 | 214703.7 | 100632.1 | S |
| 201,450 | 0.0000 | 0.0000 | 84.123 | 0.03668 | 0.00000 | 316523.1 | 214704.8 | 100632.1 | S |
| 201.458 | 0.0000 | 0.0000 | 84.123 | 0.03667 | 0.00000 | 316523.1 | 214705.9 | 100632.1 | S |
| 201.467 | 0.0000 | 0.0000 | 84.123 | 0.03667 | 0.00000 | 316523.1 | 214707.0 | 100632.1 | S |
| 201.475 | 0.0000 | 0.0000 | 84.123 | 0.03667 | 0.00000 | 316523.1 | 214708.1 | 100632.1 | S |
| 201.483 | 0.0000 | 0.0000 | 84.123 | 0.03667 | 0.00000 | 316523.1 | 214709.2 | 100632.1 | S |
| 201.492 | 0.0000 | 0.0000 | 84.123 | 0.03666 | 0.00000 | 316523.1 | 214710.3 | 100632.1 | S |
| 201.500 | 0.0000 | 0.0000 | 84.123 | 0.03666 | 0.00000 | 316523.1 | 214711.4 | 100632.1 | S |
| 201.508 | 0.0000 | 0.0000 | 84.123 | 0.03666 | 0.00000 | 316523.1 | 214712.5 | 100632.1 | S |
| 201.517 | 0.0000 | 0.0000 | 84.123 | 0.03665 | 0.00000 | 316523.1 | 214713.6 | 100632.1 | S |
| 201.525 | 0.0000 | 0.0000 | 84.122 | 0.03665 | 0.00000 | 316523.1 | 214714.7 | 100632.1 | S |
| 201.533 | 0.0000 | 0.0000 | 84.122 | 0.03665 | 0.00000 | 316523.1 | 214715.8 | 100632.1 | S |
| 201.542 | 0.0000 | 0.0000 | 84.122 | 0.03664 | 0.00000 | 316523.1 | 214716.9 | 100632.1 | S |
| 201.550 | 0.0000 | 0.0000 | 84.122 | 0.03664 | 0.00000 | 316523.1 | 214718.0 | 100632.1 | S |
| 201.558 | 0.0000 | 0.0000 | 84.122 | 0.03664 | 0.00000 | 316523.1 | 214719.1 | 100632.1 | S |
| 201.567 | 0.0000 | 0.0000 | 84.122 | 0.03663 | 0.00000 | 316523.1 | 214720.2 | 100632.1 | S |
| 201.575 | 0.0000 | 0.0000 | 84.122 | 0.03663 | 0.00000 | 316523.1 | 214721.3 | 100632.1 | S |
| 201.583 | 0.0000 | 0.0000 | 84.122 | 0.03663 | 0.00000 | 316523.1 | 214722.4 | 100632.1 | S |
| 201.592 | 0.0000 | 0.0000 | 84.122 | 0.03662 | 0.00000 | 316523.1 | 214723.5 | 100632.1 | S |
| 201.600 | 0.0000 | 0.0000 | 84.121 | 0.03662 | 0.00000 | 316523.1 | 214724.6 | 100632.1 | S |
| 201.608 | 0.0000 | 0.0000 | 84.121 | 0.03662 | 0.00000 | 316523.1 | 214725.7 | 100632.1 | S |
| 201.617 | 0.0000 | 0.0000 | 84.121 | 0.03661 | 0.00000 | 316523.1 | 214726.8 | 100632.1 | S |
| 201.625 | 0.0000 | 0.0000 | 84.121 | 0.03661 | 0.00000 | 316523.1 | 214727.9 | 100632.1 | S |
| 201.633 | 0.0000 | 0.0000 | 84.121 | 0.03661 | 0.00000 | 316523.1 | 214729.0 | 100632.1 | S |
| 201.642 | 0.0000 | 0.0000 | 84.121 | 0.03661 | 0.00000 | 316523.1 | 214730.1 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method

## Copyright 2003

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Outside Recharge (ftday) | Stage Elevation (t datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{H}^{3 / 5}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 201.650 | 0.0000 | 0.0000 | 84.121 | 0.03660 | 0.00000 | 316523.1 | 214731.2 | 100632.1 | S |
| 201.658 | 0.0000 | 0.0000 | 84.121 | 0.03660 | 0.00000 | 316523.1 | 214732.3 | 100632.1 | S |
| 201.667 | 0.0000 | 0.0000 | 84.121 | 0.03660 | 0.00000 | 316523.1 | 214733.4 | 100632.1 | S |
| 201.675 | 0.0000 | 0.0000 | 84.120 | 0.03659 | 0.00000 | 316523.1 | 214734.5 | 100632.1 | S |
| 201.683 | 0.0000 | 0.0000 | 84.120 | 0.03659 | 0.00000 | 316523.1 | 214735.6 | 100632.1 | S |
| 201.692 | 0.0000 | 0.0000 | 84.120 | 0.03659 | 0.00000 | 316523.1 | 214736.7 | 100632.1 | S |
| 201.700 | 0.0000 | 0.0000 | 84.120 | 0.03658 | 0.00000 | 316523.1 | 214737.8 | 100632.1 | S |
| 201.708 | 0.0000 | 0.0000 | 84.120 | 0.03658 | 0.00000 | 316523.1 | 214738.8 | 100632.1 | S |
| 201.717 | 0.0000 | 0.0000 | 84.120 | 0.03658 | 0.00000 | 316523.1 | 214740.0 | 100632.1 | S |
| 201.725 | 0.0000 | 0.0000 | 84.120 | 0.03657 | 0.00000 | 316523.1 | 214741.0 | 100632.1 | S |
| 201.733 | 0.0000 | 0.0000 | 84.120 | 0.03657 | 0.00000 | 316523.1 | 214742.1 | 100632.1 | S |
| 201.742 | 0.0000 | 0.0000 | 84.120 | 0.03657 | 0.00000 | 316523.1 | 214743.2 | 100632.1 | S |
| 201.750 | 0.0000 | 0.0000 | 84.119 | 0.03656 | 0.00000 | 316523.1 | 214744.3 | 100632.1 | S |
| 201.758 | 0.0000 | 0.0000 | 84.119 | 0.03656 | 0.00000 | 316523.1 | 214745.4 | 100632.1 | S |
| 201.767 | 0.0000 | 0.0000 | 84.119 | 0.03656 | 0.00000 | 316523.1 | 214746.5 | 100632.1 | S |
| 201.775 | 0.0000 | 0.0000 | 84.119 | 0.03656 | 0.00000 | 316523.1 | 214747.6 | 100632.1 | S |
| 201.783 | 0.0000 | 0.0000 | 84.119 | 0.03655 | 0.00000 | 316523.1 | 214748.7 | 100632.1 | S |
| 201.792 | 0.0000 | 0.0000 | 84.119 | 0.03655 | 0.00000 | 316523.1 | 214749.8 | 100632.1 | S |
| 201.800 | 0.0000 | 0.0000 | 84.119 | 0.03655 | 0.00000 | 316523.1 | 214750.9 | 100632.1 | S |
| 201.808 | 0.0000 | 0.0000 | 84.119 | 0.03654 | 0.00000 | 316523.1 | 214752.0 | 100632.1 | S |
| 201.817 | 0.0000 | 0.0000 | 84.119 | 0.03654 | 0.00000 | 316523.1 | 214753.1 | 100632.1 | S |
| 201.825 | 0.0000 | 0.0000 | 84.118 | 0.03654 | 0.00000 | 316523.1 | 214754.2 | 100632.1 | S |
| 201.833 | 0.0000 | 0.0000 | 84.118 | 0.03653 | 0.00000 | 316523.1 | 214755.3 | 100632.1 | S |
| 201.842 | 0.0000 | 0.0000 | 84.118 | 0.03653 | 0.00000 | 316523.1 | 214756.4 | 100632.1 | S |
| 201.850 | 0.0000 | 0.0000 | 84.118 | 0.03653 | 0.00000 | 316523.1 | 214757.5 | 100632.1 | S |
| 201.858 | 0.0000 | 0.0000 | 84.118 | 0.03652 | 0.00000 | 316523.1 | 214758.6 | 100632.1 | S |
| 201.867 | 0.0000 | 0.0000 | 84.118 | 0.03652 | 0.00000 | 316523.1 | 214759.7 | 100632.1 | S |
| 201.875 | 0.0000 | 0.0000 | 84.118 | 0.03652 | 0.00000 | 316523.1 | 214760.8 | 100632.1 | S |
| 201.883 | 0.0000 | 0.0000 | 84.118 | 0.03651 | 0.00000 | 316523.1 | 214761.9 | 100632.1 | S |
| 201.892 | 0.0000 | 0.0000 | 84.118 | 0.03651 | 0.00000 | 316523.1 | 214763.0 | 100632.1 | S |
| 201.900 | 0.0000 | 0.0000 | 84.117 | 0.03651 | 0.00000 | 316523.1 | 214764.1 | 100632.1 | S |
| 201.908 | 0.0000 | 0.0000 | 84.117 | 0.03651 | 0.00000 | 316523.1 | 214765.2 | 100632.1 | S |
| 201.917 | 0.0000 | 0.0000 | 84.117 | 0.03650 | 0.00000 | 316523.1 | 214766.3 | 100632.1 | S |
| 201.925 | 0.0000 | 0.0000 | 84.117 | 0.03650 | 0.00000 | 316523.1 | 214767.3 | 100632.1 | S |
| 201.933 | 0.0000 | 0.0000 | 84.117 | 0.03650 | 0.00000 | 316523.1 | 214768.4 | 100632.1 | S |
| 201.942 | 0.0000 | 0.0000 | 84.117 | 0.03649 | 0.00000 | 316523.1 | 214769.5 | 100632.1 | S |
| 201.950 | 0.0000 | 0.0000 | 84.117 | 0.03649 | 0.00000 | 316523.1 | 214770.6 | 100632.1 | S |
| 201.958 | 0.0000 | 0.0000 | 84.117 | 0.03649 | 0.00000 | 316523.1 | 214771.7 | 100632.1 | S |
| 201.967 | 0.0000 | 0.0000 | 84.117 | 0.03648 | 0.00000 | 316523.1 | 214772.8 | 100632.1 | S |
| 201.975 | 0.0000 | 0.0000 | 84.116 | 0.03648 | 0.00000 | 316523.1 | 214773.9 | 100632.1 | S |
| 201.983 | 0.0000 | 0.0000 | 84.116 | 0.03648 | 0.00000 | 316523.1 | 214775.0 | 100632.1 | S |
| 201.992 | 0.0000 | 0.0000 | 84.116 | 0.03647 | 0.00000 | 316523.1 | 214776.1 | 100632.1 | S |
| 202.000 | 0.0000 | 0.0000 | 84.116 | 0.03647 | 0.00000 | 316523.1 | 214777.2 | 100632.1 | S |
| 202.008 | 0.0000 | 0.0000 | 84.116 | 0.03647 | 0.00000 | 316523.1 | 214778.3 | 100632.1 | S |
| 202.017 | 0.0000 | 0.0000 | 84.116 | 0.03646 | 0.00000 | 316523.1 | 214779.4 | 100632.1 | S |
| 202.025 | 0.0000 | 0.0000 | 84.116 | 0.03646 | 0.00000 | 316523.1 | 214780.5 | 100632.1 | S |
| 202.033 | 0.0000 | 0.0000 | 84.116 | 0.03646 | 0.00000 | 316523.1 | 214781.6 | 100632.1 | S |
| 202.042 | 0.0000 | 0.0000 | 84.116 | 0.03646 | 0.00000 | 316523.1 | 214782.7 | 100632.1 | S |
| 202.050 | 0.0000 | 0.0000 | 84.115 | 0.03645 | 0.00000 | 316523.1 | 214783.8 | 100632.1 | S |
| 202.058 | 0.0000 | 0.0000 | 84.115 | 0.03645 | 0.00000 | 316523.1 | 214784.9 | 100632.1 | S |
| 202.067 | 0.0000 | 0.0000 | 84.115 | 0.03645 | 0.00000 | 316523.1 | 214786.0 | 100632.1 | S |
| 202.075 | 0.0000 | 0.0000 | 84.115 | 0.03644 | 0.00000 | 316523.1 | 214787.0 | 100632.1 | S |
| 202.083 | 0.0000 | 0.0000 | 84.115 | 0.03644 | 0.00000 | 316523.1 | 214788.1 | 100632.1 | S |
| 202.092 | 0.0000 | 0.0000 | 84.115 | 0.03644 | 0.00000 | 316523.1 | 214789.2 | 100632.1 | S |
| 202.100 | 0.0000 | 0.0000 | 84.115 | 0.03643 | 0.00000 | 316523.1 | 214790.3 | 100632.1 | S |
| 202.108 | 0.0000 | 0.0000 | 84.115 | 0.03643 | 0.00000 | 316523.1 | 214791.4 | 100632.1 | S |
| 202.117 | 0.0000 | 0.0000 | 84.115 | 0.03643 | 0.00000 | 316523.1 | 214792.5 | 100632.1 | S |
| 202.125 | 0.0000 | 0.0000 | 84.114 | 0.03642 | 0.00000 | 316523.1 | 214793.6 | 100632.1 | S |
| 202.133 | 0.0000 | 0.0000 | 84.114 | 0.03642 | 0.00000 | 316523.1 | 214794.7 | 100632.1 | S |
| 202.142 | 0.0000 | 0.0000 | 84.114 | 0.03642 | 0.00000 | 316523.1 | 214795.8 | 100632.1 | S |
| 202.150 | 0.0000 | 0.0000 | 84.114 | 0.03641 | 0.00000 | 316523.1 | 214796.9 | 100632.1 | S |
| 202.158 | 0.0000 | 0.0000 | 84.114 | 0.03641 | 0.00000 | 316523.1 | 214798.0 | 100632.1 | S |
| 202.167 | 0.0000 | 0.0000 | 84.114 | 0.03641 | 0.00000 | 316523.1 | 214799.1 | 100632.1 | S |
| 202.175 | 0.0000 | 0.0000 | 84.114 | 0.03641 | 0.00000 | 316523.1 | 214800.2 | 100632.1 | S |
| 202.183 | 0.0000 | 0.0000 | 84.114 | 0.03640 | 0.00000 | 316523.1 | 214801.3 | 100632.1 | S |
| 202.192 | 0.0000 | 0.0000 | 84.114 | 0.03640 | 0.00000 | 316523.1 | 214802.3 | 100632.1 | S |
| 202.200 | 0.0000 | 0.0000 | 84.113 | 0.03640 | 0.00000 | 316523.1 | 214803.4 | 100632.1 | S |
| 202.208 | 0.0000 | 0.0000 | 84.113 | 0.03639 | 0.00000 | 316523.1 | 214804.5 | 100632.1 | S |
| 202.217 | 0.0000 | 0.0000 | 84.113 | 0.03639 | 0.00000 | 316523.1 | 214805.6 | 100632.1 | S |
| 202.225 | 0.0000 | 0.0000 | 84.113 | 0.03639 | 0.00000 | 316523.1 | 214806.7 | 100632.1 | S |
| 202.233 | 0.0000 | 0.0000 | 84.113 | 0.03638 | 0.00000 | 316523.1 | 214807.8 | 100632.1 | S |
| 202.242 | 0.0000 | 0.0000 | 84.113 | 0.03638 | 0.00000 | 316523.1 | 214808.9 | 100632.1 | S |
| 202.250 | 0.0000 | 0.0000 | 84.113 | 0.03638 | 0.00000 | 316523.1 | 214810.0 | 100632.1 | S |
| 202.258 | 0.0000 | 0.0000 | 84.113 | 0.03637 | 0.00000 | 316523.1 | 214811.1 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate (ft3/s) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{H}^{3 / \mathrm{s}}$ ) | Overflow Discharge (fiths) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume $\left(f^{3}\right)$ | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 202.267 | 0.0000 | 0.0000 | 84.113 | 0.03637 | 0.00000 | 316523.1 | 214812.2 | 100632.1 | S |
| 202.275 | 0.0000 | 0.0000 | 84.112 | 0.03637 | 0.00000 | 316523.1 | 214813.3 | 100632.1 | S |
| 202.283 | 0.0000 | 0.0000 | 84.112 | 0.03636 | 0.00000 | 316523.1 | 214814.3 | 100632.1 | S |
| 202.292 | 0.0000 | 0.0000 | 84.112 | 0.03636 | 0.00000 | 316523.1 | 214815.4 | 100632.1 | S |
| 202.300 | 0.0000 | 0.0000 | 84.112 | 0.03636 | 0.00000 | 316523.1 | 214816.5 | 100632.1 | S |
| 202.308 | 0.0000 | 0.0000 | 84.112 | 0.03636 | 0.00000 | 316523.1 | 214817.6 | 100632.1 | S |
| 202.317 | 0.0000 | 0.0000 | 84.112 | 0.03635 | 0.00000 | 316523.1 | 214818.7 | 100632.1 | S |
| 202.325 | 0.0000 | 0.0000 | 84.112 | 0.03635 | 0.00000 | 316523.1 | 214819.8 | 100632.1 | S |
| 202.333 | 0.0000 | 0.0000 | 84.112 | 0.03635 | 0.00000 | 316523.1 | 214820.9 | 100632.1 | S |
| 202.342 | 0.0000 | 0.0000 | 84.112 | 0.03634 | 0.00000 | 316523.1 | 214822.0 | 100632.1 | S |
| 202.350 | 0.0000 | 0.0000 | 84.111 | 0.03634 | 0.00000 | 316523.1 | 214823.1 | 100632.1 | S |
| 202.358 | 0.0000 | 0.0000 | 84.111 | 0.03634 | 0.00000 | 316523.1 | 214824.2 | 100632.1 | S |
| 202.367 | 0.0000 | 0.0000 | 84.111 | 0.03633 | 0.00000 | 316523.1 | 214825.3 | 100632.1 | S |
| 202.375 | 0.0000 | 0.0000 | 84.111 | 0.03633 | 0.00000 | 316523.1 | 214826.3 | 100632.1 | S |
| 202.383 | 0.0000 | 0.0000 | 84.111 | 0.03633 | 0.00000 | 316523.1 | 214827.4 | 100632.1 | S |
| 202.392 | 0.0000 | 0.0000 | 84.111 | 0.03632 | 0.00000 | 316523.1 | 214828.5 | 100632.1 | S |
| 202.400 | 0.0000 | 0.0000 | 84.111 | 0.03632 | 0.00000 | 316523.1 | 214829.6 | 100632.1 | S |
| 202.408 | 0.0000 | 0.0000 | 84.111 | 0.03632 | 0.00000 | 316523.1 | 214830.7 | 100632.1 | S |
| 202.417 | 0.0000 | 0.0000 | 84.111 | 0.03631 | 0.00000 | 316523.1 | 214831.8 | 100632.1 | S |
| 202.425 | 0.0000 | 0.0000 | 84.110 | 0.03631 | 0.00000 | 376523.1 | 214832.9 | 100632.1 | S |
| 202.433 | 0.0000 | 0.0000 | 84.110 | 0.03631 | 0.00000 | 316523.1 | 214834.0 | 100632.1 | S |
| 202.442 | 0.0000 | 0.0000 | 84.110 | 0.03631 | 0.00000 | 316523.1 | 214835.1 | 100632.1 | S |
| 202.450 | 0.0000 | 0.0000 | 84.110 | 0.03630 | 0.00000 | 316523.1 | 214836.1 | 100632.1 | S |
| 202.458 | 0.0000 | 0.0000 | 84.110 | 0.03630 | 0.00000 | 316523.1 | 214837.2 | 100632.1 | S |
| 202.467 | 0.0000 | 0.0000 | 84.110 | 0.03630 | 0.00000 | 316523.1 | 214838.3 | 100632.1 | S |
| 202.475 | 0.0000 | 0.0000 | 84.110 | 0.03629 | 0.00000 | 316523.1 | 214839.4 | 100632.1 | S |
| 202.483 | 0.0000 | 0.0000 | 84.110 | 0.03629 | 0.00000 | 316523.1 | 214840.5 | 100632.1 | S |
| 202.492 | 0.0000 | 0.0000 | 84.110 | 0.03629 | 0.00000 | 316523.1 | 214841.6 | 100632.1 | S |
| 202.500 | 0.0000 | 0.0000 | 84.109 | 0.03628 | 0.00000 | 316523.1 | 214842.7 | 100632.1 | S |
| 202.508 | 0.0000 | 0.0000 | 84.109 | 0.03628 | 0.00000 | 316523.1 | 214843.8 | 100632.1 | S |
| 202.517 | 0.0000 | 0.0000 | 84.109 | 0.03628 | 0.00000 | 316523.1 | 214844.9 | 100632.1 | S |
| 202.525 | 0.0000 | 0.0000 | 84.109 | 0.03627 | 0.00000 | 316523.1 | 214845.9 | 100632.1 | S |
| 202.533 | 0.0000 | 0.0000 | 84.109 | 0.03627 | 0.00000 | 316523.1 | 214847.0 | 100632.1 | S |
| 202.542 | 0.0000 | 0.0000 | 84.109 | 0.03627 | 0.00000 | 316523.1 | 214848.1 | 100632.1 | S |
| 202.550 | 0.0000 | 0.0000 | 84.109 | 0.03627 | 0.00000 | 316523.1 | 214849.2 | 100632.1 | S |
| 202,558 | 0.0000 | 0.0000 | 84.109 | 0.03626 | 0.00000 | 316523.1 | 214850.3 | 100632. 1 | S |
| 202.567 | 0.0000 | 0.0000 | 84.109 | 0.03626 | 0.00000 | 316523.1 | 214851.4 | 100632.1 | S |
| 202.575 | 0.0000 | 0.0000 | 84.108 | 0.03626 | 0.00000 | 316523.1 | 214852.5 | 100632.1 | S |
| 202.583 | 0.0000 | 0.0000 | 84.108 | 0.03625 | 0.00000 | 316523.1 | 214853.6 | 100632.1 | S |
| 202.592 | 0.0000 | 0.0000 | 84.108 | 0.03625 | 0.00000 | 316523.1 | 214854.6 | 100632.1 | S |
| 202.600 | 0.0000 | 0.0000 | 84.108 | 0.03625 | 0.00000 | 316523.1 | 214855.7 | 100632.1 | S |
| 202.608 | 0.0000 | 0.0000 | 84.108 | 0.03624 | 0.00000 | 316523.1 | 214856.8 | 100632.1 | S |
| 202.617 | 0.0000 | 0.0000 | 84.108 | 0.03624 | 0.00000 | 316523.1 | 214857.9 | 100632.1 | S |
| 202.625 | 0.0000 | 0.0000 | 84.108 | 0.03624 | 0.00000 | 316523.1 | 214859.0 | 100632.1 | S |
| 202.633 | 0.0000 | 0.0000 | 84.108 | 0.03623 | 0.00000 | 316523.1 | 214860.1 | 100632.1 | S |
| 202.642 | 0.0000 | 0.0000 | 84.108 | 0.03623 | 0.00000 | 316523.1 | 214861.2 | 100632.1 | S |
| 202.650 | 0.0000 | 0.0000 | 84.107 | 0.03623 | 0.00000 | 316523.1 | 214862.3 | 100632.1 | S |
| 202.658 | 0.0000 | 0.0000 | 84.107 | 0.03622 | 0.00000 | 316523.1 | 214863.3 | 100632.1 | S |
| 202.667 | 0.0000 | 0.0000 | 84.107 | 0.03622 | 0.00000 | 316523.1 | 214864.4 | 100632.1 | S |
| 202.675 | 0.0000 | 0.0000 | 84.107 | 0.03622 | 0.00000 | 316523.1 | 214865.5 | 100632.1 | S |
| 202.683 | 0.0000 | 0.0000 | 84.107 | 0.03622 | 0.00000 | 316523.1 | 214866.6 | 100632.1 | S |
| 202.692 | 0.0000 | 0.0000 | 84.107 | 0.03621 | 0.00000 | 316523.1 | 214867.7 | 100632.1 | S |
| 202.700 | 0.0000 | 0.0000 | 84.107 | 0.03621 | 0.00000 | 316523.1 | 214868.8 | 100632.1 | S |
| 202.708 | 0.0000 | 0.0000 | 84.107 | 0.03621 | 0.00000 | 316523.1 | 214869.9 | 100632.1 | S |
| 202.717 | 0.0000 | 0.0000 | 84.107 | 0.03620 | 0.00000 | 316523.1 | 214871.0 | 100632.1 | S |
| 202.725 | 0.0000 | 0.0000 | 84.106 | 0.03620 | 0.00000 | 316523.1 | 214872.0 | 100632.1 | S |
| 202.733 | 0.0000 | 0.0000 | 84.106 | 0.03620 | 0.00000 | 316523.1 | 214873.1 | 100632.1 | S |
| 202.742 | 0.0000 | 0.0000 | 84.106 | 0.03619 | 0.00000 | 316523.1 | 214874.2 | 100632.1 | S |
| 202.750 | 0.0000 | 0.0000 | 84.106 | 0.03619 | 0.00000 | 316523.1 | 214875.3 | 100632.1 | S |
| 202.758 | 0.0000 | 0.0000 | 84.106 | 0.03619 | 0.00000 | 316523.1 | 214876.4 | 100632.1 | S |
| 202.767 | 0.0000 | 0.0000 | 84.106 | 0.03618 | 0.00000 | 316523.1 | 214877.5 | 100632.1 | S |
| 202.775 | 0.0000 | 0.0000 | 84.106 | 0.03618 | 0.00000 | 316523.1 | 214878.5 | 100632.1 | S |
| 202.783 | 0.0000 | 0.0000 | 84.106 | 0.03618 | 0.00000 | 316523.1 | 214879.6 | 100632.1 | S |
| 202.792 | 0.0000 | 0.0000 | 84.106 | 0.03618 | 0.00000 | 316523.1 | 214880.7 | 100632.1 | S |
| 202.800 | 0.0000 | 0.0000 | 84.105 | 0.03617 | 0.00000 | 316523.1 | 214881.8 | 100632.1 | S |
| 202.808 | 0.0000 | 0.0000 | 84.105 | 0.03617 | 0.00000 | 316523.1 | 214882.9 | 100632.1 | S |
| 202.817 | 0.0000 | 0.0000 | 84.105 | 0.03617 | 0.00000 | 316523.1 | 214884.0 | 100632.1 | S |
| 202.825 | 0.0000 | 0.0000 | 84.105 | 0.03616 | 0.00000 | 316523.1 | 214885.1 | 100632.1 | S |
| 202.833 | 0.0000 | 0.0000 | 84.105 | 0.03616 | 0.00000 | 316523.1 | 214886.1 | 100632.1 | S |
| 202.842 | 0.0000 | 0.0000 | 84.105 | 0.03616 | 0.00000 | 316523.1 | 214887.2 | 100632.1 | S |
| 202.850 | 0.0000 | 0.0000 | 84.105 | 0.03615 | 0.00000 | 316523.1 | 214888.3 | 100632.1 | S |
| 202.858 | 0.0000 | 0.0000 | 84.105 | 0.03615 | 0.00000 | 316523.1 | 214889.4 | 100632.1 | S |
| 202.867 | 0.0000 | 0.0000 | 84.105 | 0.03615 | 0.00000 | 316523.1 | 214890.5 | 100632.1 | S |
| 202,875 | 0.0000 | 0.0000 | 84.104 | 0.03614 | 0.00000 | 316523.1 | 214891.6 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/overfiow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate (ft ${ }^{3 / \mathrm{s}}$ ) | Overliow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mu^{3}$ ) | Cumulative infiltration Votume ( $\mathrm{H}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 202.883 | 0.0000 | 0.0000 | 84.104 | 0.03614 | 0.00000 | 316523.1 | 214892.7 | 100632.1 | S |
| 202.892 | 0.0000 | 0.0000 | 84.104 | 0.03614 | 0.00000 | 316523.1 | 214893.7 | 100632.1 | S |
| 202.900 | 0.0000 | 0.0000 | 84.104 | 0.03614 | 0.00000 | 316523.1 | 214894.8 | 100632.1 | S |
| 202.908 | 0.0000 | 0.0000 | 84.104 | 0.03613 | 0.00000 | 316523.1 | 214895.9 | 100632.1 | S |
| 202.917 | 0.0000 | 0.0000 | 84.104 | 0.03613 | 0.00000 | 316523.1 | 214897.0 | 100632.1 | S |
| 202.925 | 0.0000 | 0.0000 | 84.104 | 0.03613 | 0.00000 | 316523.1 | 214898.1 | 100632.1 | S |
| 202.933 | 0.0000 | 0.0000 | 84.104 | 0.03612 | 0.00000 | 316523.1 | 214899.2 | 100632.1 | S |
| 202.942 | 0.0000 | 0.0000 | 84.104 | 0.03612 | 0.00000 | 316523.1 | 214900.2 | 100632.1 | S |
| 202.950 | 0.0000 | 0.0000 | 84.103 | 0.03612 | 0.00000 | 316523.1 | 214901.3 | 100632.1 | S |
| 202.958 | 0.0000 | 0.0000 | 84.103 | 0.03611 | 0.00000 | 316523.1 | 214902.4 | 100632.1 | S |
| 202.967 | 0.0000 | 0.0000 | 84.103 | 0.03611 | 0.00000 | 316523.1 | 214903.5 | 100632.1 | S |
| 202.975 | 0.0000 | 0.0000 | 84.103 | 0.03611 | 0.00000 | 316523.1 | 214904.6 | 100632.1 | S |
| 202.983 | 0.0000 | 0.0000 | 84.103 | 0.03610 | 0.00000 | 316523.1 | 214905.7 | 100632.1 | S |
| 202.992 | 0.0000 | 0.0000 | 84.103 | 0.03610 | 0.00000 | 316523.1 | 214906.7 | 100632. . | S |
| 203.000 | 0.0000 | 0.0000 | 84.103 | 0.03610 | 0.00000 | 316523.1 | 214907.8 | 100632.1 | S |
| 203.008 | 0.0000 | 0.0000 | 84.103 | 0.03609 | 0.00000 | 316523.1 | 214908.9 | 100632.1 | S |
| 203.017 | 0.0000 | 0.0000 | 84.103 | 0.03609 | 0.00000 | 316523.1 | 214910.0 | 100632.1 | S |
| 203.025 | 0.0000 | 0.0000 | 84.102 | 0.03609 | 0.00000 | 316523.1 | 214911.1 | 100632.1 | S |
| 203.033 | 0.0000 | 0.0000 | 84.102 | 0.03609 | 0.00000 | 316523.1 | 214912.2 | 100632.1 | S |
| 203.042 | 0.0000 | 0.0000 | 84.102 | 0.03608 | 0.00000 | 316523.1 | 214913.2 | 100632.1 | S |
| 203.050 | 0.0000 | 0.0000 | 84.102 | 0.03608 | 0.00000 | 316523.1 | 214914.3 | 100632.1 | S |
| 203.058 | 0.0000 | 0.0000 | 84.102 | 0.03608 | 0.00000 | 316523.1 | 214915.4 | 100632.1 | S |
| 203.067 | 0.0000 | 0.0000 | 84.102 | 0.03607 | 0.00000 | 316523.1 | 214916.5 | 100632.1 | S |
| 203.075 | 0.0000 | 0.0000 | 84.102 | 0.03607 | 0.00000 | 316523.1 | 214917.6 | 100632.1 | S |
| 203.083 | 0.0000 | 0.0000 | 84.102 | 0.03607 | 0.00000 | 316523.1 | 214918.6 | 100632.1 | S |
| 203.092 | 0.0000 | 0.0000 | 84.102 | 0.03606 | 0.00000 | 316523.1 | 214919.7 | 100632.1 | S |
| 203.100 | 0.0000 | 0.0000 | 84.101 | 0.03606 | 0.00000 | 316523.1 | 214920.8 | 100632.1 | S |
| 203.108 | 0.0000 | 0.0000 | 84.101 | 0.03606 | 0.00000 | 316523.1 | 214921.9 | 100632.1 | S |
| 203.117 | 0.0000 | 0.0000 | 84.101 | 0.03605 | 0.00000 | 316523.1 | 214923.0 | 100632.1 | S |
| 203.125 | 0.0000 | 0.0000 | 84.101 | 0.03605 | 0.00000 | 316523.1 | 214924.1 | 100632.1 | S |
| 203.133 | 0.0000 | 0.0000 | 84.101 | 0.03605 | 0.00000 | 316523.1 | 214925.1 | 100632.1 | S |
| 203.142 | 0.0000 | 0.0000 | 84.101 | 0.03605 | 0.00000 | 316523.1 | 214926.2 | 100632.1 | S |
| 203.150 | 0.0000 | 0.0000 | 84.101 | 0.03604 | 0.00000 | 316523.1 | 214927.3 | 100632.1 | S |
| 203.158 | 0.0000 | 0.0000 | 84.101 | 0.03604 | 0.00000 | 316523.1 | 214928.4 | 100632.1 | S |
| 203.167 | 0.0000 | 0.0000 | 84.101 | 0.03604 | 0.00000 | 316523.1 | 214929.5 | 100632.1 | S |
| 203.175 | 0.0000 | 0.0000 | 84.100 | 0.03603 | 0.00000 | 316523.1 | 214930.5 | 100632.1 | S |
| 203.183 | 0.0000 | 0.0000 | 84.100 | 0.03603 | 0.00000 | 316523.1 | 214931.6 | 100632.1 | S |
| 203.192 | 0.0000 | 0.0000 | 84.100 | 0.03603 | 0.00000 | 316523.1 | 214932.7 | 100632.1 | S |
| 203.200 | 0.0000 | 0.0000 | 84.100 | 0.03602 | 0.00000 | 316523.1 | 214933.8 | 100632.1 | S |
| 203.208 | 0.0000 | 0.0000 | 84.100 | 0.03602 | 0.00000 | 316523.1 | 214934.9 | 100632.1 | S |
| 203.217 | 0.0000 | 0.0000 | 84.100 | 0.03602 | 0.00000 | 316523.1 | 214936.0 | 100632.1 | S |
| 203.225 | 0.0000 | 0.0000 | 84.100 | 0.03601 | 0.00000 | 316523.1 | 214937.0 | 100632.1 | S |
| 203.233 | 0.0000 | 0.0000 | 84.100 | 0.03601 | 0.00000 | 316523.1 | 214938.1 | 100632.1 | S |
| 203.242 | 0.0000 | 0.0000 | 84.100 | 0.03601 | 0.00000 | 316523.1 | 214939.2 | 100632.1 | S |
| 203.250 | 0.0000 | 0.0000 | 84.099 | 0.03601 | 0.00000 | 316523.1 | 214940.3 | 100632.1 | S |
| 203.258 | 0.0000 | 0.0000 | 84.099 | 0.03600 | 0.00000 | 316523.1 | 214941.3 | 100632.1 | S |
| 203.267 | 0.0000 | 0.0000 | 84.099 | 0.03600 | 0.00000 | 316523.1 | 214942.4 | 100632.1 | S |
| 203.275 | 0.0000 | 0.0000 | 84.099 | 0.03600 | 0.00000 | 316523.1 | 214943.5 | 100632.1 | S |
| 203.283 | 0.0000 | 0.0000 | 84.099 | 0.03599 | 0.00000 | 316523.1 | 214944.6 | 100632.1 | S |
| 203.292 | 0.0000 | 0.0000 | 84.099 | 0.03599 | 0.00000 | 316523.1 | 214945.7 | 100632.1 | S |
| 203.300 | 0.0000 | 0.0000 | 84.099 | 0.03599 | 0.00000 | 376523.1 | 214946.8 | 100632.1 | S |
| 203.308 | 0.0000 | 0.0000 | 84.099 | 0.03598 | 0.00000 | 316523.1 | 214947.8 | 100632.1 | S |
| 203.317 | 0.0000 | 0.0000 | 84.099 | 0.03598 | 0.00000 | 316523.1 | 214948.9 | 100632.1 | S |
| 203.325 | 0.0000 | 0.0000 | 84.098 | 0.03598 | 0.00000 | 316523.1 | 214950.0 | 100632.1 | S |
| 203.333 | 0.0000 | 0.0000 | 84.098 | 0.03597 | 0.00000 | 316523.1 | 214951.1 | 100632.1 | S |
| 203.342 | 0.0000 | 0.0000 | 84.098 | 0.03597 | 0.00000 | 316523.1 | 214952.1 | 100632.1 | S |
| 203.350 | 0.0000 | 0.0000 | 84.098 | 0.03597 | 0.00000 | 316523.1 | 214953.2 | 100632.1 | S |
| 203.358 | 0.0000 | 0.0000 | 84.098 | 0.03597 | 0.00000 | 316523.1 | 214954.3 | 100632.1 | S |
| 203.367 | 0.0000 | 0.0000 | 84.098 | 0.03596 | 0.00000 | 316523.1 | 214955.4 | 100632.1 | S |
| 203.375 | 0.0000 | 0.0000 | 84.098 | 0.03596 | 0.00000 | 316523.1 | 214956.5 | 100632.1 | S |
| 203.383 | 0.0000 | 0.0000 | 84.098 | 0.03596 | 0.00000 | 316523.1 | 214957.5 | 100632.1 | S |
| 203.392 | 0.0000 | 0.0000 | 84.098 | 0.03595 | 0.00000 | 316523.1 | 214958.6 | 100632.1 | S |
| 203.400 | 0.0000 | 0.0000 | 84.097 | 0.03595 | 0.00000 | 316523.1 | 214959.7 | 100632.1 | S |
| 203.408 | 0.0000 | 0.0000 | 84.097 | 0.03595 | 0.00000 | 316523.1 | 214960.8 | 100632.1 | S |
| 203.417 | 0.0000 | 0.0000 | 84.097 | 0.03594 | 0.00000 | 316523.1 | 214961.9 | 100632.1 | S |
| 203.425 | 0.0000 | 0.0000 | 84.097 | 0.03594 | 0.00000 | 316523.1 | 214962.9 | 100632.1 | S |
| 203.433 | 0.0000 | 0.0000 | 84.097 | 0.03594 | 0.00000 | 316523.1 | 214964.0 | 100632.1 | S |
| 203.442 | 0.0000 | 0.0000 | 84.097 | 0.03593 | 0.00000 | 316523.1 | 214965.1 | 100632.1 | S |
| 203.450 | 0.0000 | 0.0000 | 84.097 | 0.03593 | 0.00000 | 316523.1 | 214966.2 | 100632.1 | S |
| 203.458 | 0.0000 | 0.0000 | 84.097 | 0.03593 | 0.00000 | 316523.1 | 214967.3 | 100632.1 | S |
| 203.467 | 0.0000 | 0.0000 | 84.097 | 0.03593 | 0.00000 | 316523.1 | 214968.3 | 100632.1 | S |
| 203.475 | 0.0000 | 0.0000 | 84.096 | 0.03592 | 0.00000 | 316523.1 | 214969.4 | 100632.1 | S |
| 203.483 | 0.0000 | 0.0000 | 84.096 | 0.03592 | 0.00000 | 316523.1 | 214970.5 | 100632.1 | S |
| 203.492 | 0.0000 | 0.0000 | 84.096 | 0.03592 | 0.00000 | 316523.1 | 214971.6 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario $1::$ pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 203.500 | 0.0000 | 0.0000 | 84.096 | 0.03591 | 0.00000 | 316523.1 | 214972.6 | 100632.1 | S |
| 203.508 | 0.0000 | 0.0000 | 84.096 | 0.03591 | 0.00000 | 316523.1 | 214973.7 | 100632.1 | S |
| 203.517 | 0.0000 | 0.0000 | 84.096 | 0.03591 | 0.00000 | 316523.1 | 214974.8 | 100632.1 | S |
| 203.525 | 0.0000 | 0.0000 | 84.096 | 0.03590 | 0.00000 | 316523.1 | 214975.9 | 100632.1 | S |
| 203.533 | 0.0000 | 0.0000 | 84.096 | 0.03590 | 0.00000 | 316523.1 | 214976.9 | 100632.1 | S |
| 203.542 | 0.0000 | 0.0000 | 84.096 | 0.03590 | 0.00000 | 316523.1 | 214978.0 | 100632.1 | S |
| 203.550 | 0.0000 | 0.0000 | 84.095 | 0.03589 | 0.00000 | 316523.1 | 214979.1 | 100632.1 | S |
| 203.558 | 0.0000 | 0.0000 | 84.095 | 0.03589 | 0.00000 | 316523.1 | 214980.2 | 100632.1 | S |
| 203.567 | 0.0000 | 0.0000 | 84.095 | 0.03589 | 0.00000 | 316523.1 | 214981.3 | 100632.1 | S |
| 203.575 | 0.0000 | 0.0000 | 84.095 | 0.03589 | 0.00000 | 316523.1 | 214982.3 | 100632.1 | S |
| 203.583 | 0.0000 | 0.0000 | 84.095 | 0.03588 | 0.00000 | 316523.1 | 214983.4 | 100632.1 | S |
| 203.592 | 0.0000 | 0.0000 | 84.095 | 0.03588 | 0.00000 | 316523.1 | 214984.5 | 100632.1 | S |
| 203.600 | 0.0000 | 0.0000 | 84.095 | 0.03588 | 0.00000 | 316523.1 | 214985.6 | 100632.1 | S |
| 203,608 | 0.0000 | 0.0000 | 84.095 | 0.03587 | 0.00000 | 316523.1 | 214986.6 | 100632.1 | S |
| 203.617 | 0.0000 | 0.0000 | 84.095 | 0.03587 | 0.00000 | 316523.1 | 214987.7 | 100632.1 | S |
| 203.625 | 0.0000 | 0.0000 | 84.094 | 0.03587 | 0.00000 | 316523.1 | 214988.8 | 100632.1 | S |
| 203.633 | 0.0000 | 0.0000 | 84.094 | 0.03586 | 0.00000 | 316523.1 | 214989.9 | 100632.1 | S |
| 203.642 | 0.0000 | 0.0000 | 84.094 | 0.03586 | 0.00000 | 316523.1 | 214990.9 | 100632.1 | S |
| 203.650 | 0.0000 | 0.0000 | 84.094 | 0.03586 | 0.00000 | 316523.1 | 214992.0 | 100632.1 | S |
| 203.658 | 0.0000 | 0.0000 | 84.094 | 0.03585 | 0.00000 | 316523.1 | 214993.1 | 100632.1 | S |
| 203.667 | 0.0000 | 0.0000 | 84.094 | 0.03585 | 0.00000 | 316523.1 | 214994.2 | 100632.1 | S |
| 203.675 | 0.0000 | 0.0000 | 84.094 | 0.03585 | 0.00000 | 316523.1 | 214995.2 | 100632.1 | S |
| 203.683 | 0.0000 | 0.0000 | 84.094 | 0.03585 | 0.00000 | 316523.1 | 214996.3 | 100632.1 | S |
| 203.692 | 0.0000 | 0.0000 | 84.094 | 0.03584 | 0.00000 | 316523.1 | 214997.4 | 100632.1 | S |
| 203.700 | 0.0000 | 0.0000 | 84.093 | 0.03584 | 0.00000 | 316523.1 | 214998.5 | 100632.1 | S |
| 203.708 | 0.0000 | 0.0000 | 84.093 | 0.03584 | 0.00000 | 316523.1 | 214999.5 | 100632.1 | S |
| 203.717 | 0.0000 | 0.0000 | 84.093 | 0.03583 | 0.00000 | 316523.1 | 215000.6 | 100632.1 | S |
| 203.725 | 0.0000 | 0.0000 | 84.093 | 0.03583 | 0.00000 | 316523.1 | 215001.7 | 100632.1 | S |
| 203.733 | 0.0000 | 0.0000 | 84.093 | 0.03583 | 0.00000 | 316523.1 | 215002.8 | 100632.1 | S |
| 203.742 | 0.0000 | 0.0000 | 84.093 | 0.03582 | 0.00000 | 316523.1 | 215003.8 | 100632.1 | S |
| 203.750 | 0.0000 | 0.0000 | 84.093 | 0.03582 | 0.00000 | 316523.1 | 215004.9 | 100632.1 | S |
| 203.758 | 0.0000 | 0.0000 | 84.093 | 0.03582 | 0.00000 | 316523.1 | 215006.0 | 100632.1 | S |
| 203.767 | 0.0000 | 0.0000 | 84.093 | 0.03581 | 0.00000 | 316523.1 | 215007.1 | 100632.1 | S |
| 203.775 | 0.0000 | 0.0000 | 84.092 | 0.03581 | 0.00000 | 316523.1 | 215008.1 | 100632.1 | S |
| 203.783 | 0.0000 | 0.0000 | 84.092 | 0.03581 | 0.00000 | 316523.1 | 215009.2 | 100632.1 | S |
| 203.792 | 0.0000 | 0.0000 | 84.092 | 0.03581 | 0.00000 | 316523.1 | 215010.3 | 100632.1 | S |
| 203.800 | 0.0000 | 0.0000 | 84.092 | 0.03580 | 0.00000 | 316523.1 | 215011.4 | 100632.1 | S |
| 203.808 | 0.0000 | 0.0000 | 84.092 | 0.03580 | 0.00000 | 316523.1 | 215012.4 | 100632.1 | S |
| 203.817 | 0.0000 | 0.0000 | 84.092 | 0.03580 | 0.00000 | 316523.1 | 215013.5 | 100632.1 | S |
| 203.825 | 0.0000 | 0.0000 | 84.092 | 0.03579 | 0.00000 | 316523.1 | 215014.6 | 100632.1 | S |
| 203.833 | 0.0000 | 0.0000 | 84.092 | 0.03579 | 0.00000 | 316523.1 | 215015.7 | 100632.1 | S |
| 203.842 | 0.0000 | 0.0000 | 84.092 | 0.03579 | 0.00000 | 316523.1 | 215016.7 | 100632.1 | S |
| 203.850 | 0.0000 | 0.0000 | 84.091 | 0.03578 | 0.00000 | 316523.1 | 215017.8 | 100632.1 | S |
| 203.858 | 0.0000 | 0.0000 | 84.091 | 0.03578 | 0.00000 | 316523.1 | 215018.9 | 100632.1 | S |
| 203.867 | 0.0000 | 0.0000 | 84.091 | 0.03578 | 0.00000 | 316523.1 | 215020.0 | 100632.1 | S |
| 203.875 | 0.0000 | 0.0000 | 84.091 | 0.03578 | 0.00000 | 316523.1 | 215021.0 | 100632.1 | S |
| 203.883 | 0.0000 | 0.0000 | 84.091 | 0.03577 | 0.00000 | 316523.1 | 215022.1 | 100632.1 | S |
| 203.892 | 0.0000 | 0.0000 | 84.091 | 0.03577 | 0.00000 | 316523.1 | 215023.2 | 100632.1 | S |
| 203.900 | 0.0000 | 0.0000 | 84.091 | 0.03577 | 0.00000 | 316523.1 | 215024.2 | 100632.1 | S |
| 203.908 | 0.0000 | 0.0000 | 84.091 | 0.03576 | 0.00000 | 316523.1 | 215025.3 | 100632.1 | S |
| 203.917 | 0.0000 | 0.0000 | 84.091 | 0.03576 | 0.00000 | 316523.1 | 215026.4 | 100632.1 | S |
| 203.925 | 0.0000 | 0.0000 | 84.090 | 0.03576 | 0.00000 | 316523.1 | 215027.5 | 100632.1 | S |
| 203.933 | 0.0000 | 0.0000 | 84.090 | 0.03575 | 0.00000 | 316523.1 | 215028.5 | 100632.1 | S |
| 203.942 | 0.0000 | 0.0000 | 84.090 | 0.03575 | 0.00000 | 316523.1 | 215029.6 | 100632.1 | S |
| 203.950 | 0.0000 | 0.0000 | 84.090 | 0.03575 | 0.00000 | 316523.1 | 215030.7 | 100632.1 | S |
| 203.958 | 0.0000 | 0.0000 | 84.090 | 0.03574 | 0.00000 | 316523.1 | 215031.8 | 100632.1 | S |
| 203.967 | 0.0000 | 0.0000 | 84.090 | 0.03574 | 0.00000 | 316523.1 | 215032.8 | 100632.1 | S |
| 203.975 | 0.0000 | 0.0000 | 84.090 | 0.03574 | 0.00000 | 316523.1 | 215033.9 | 100632.1 | S |
| 203.983 | 0.0000 | 0.0000 | 84.090 | 0.03574 | 0.00000 | 316523.1 | 215035.0 | 100632.1 | S |
| 203.992 | 0.0000 | 0.0000 | 84.090 | 0.03573 | 0.00000 | 316523.1 | 215036.0 | 100632.1 | S |
| 204.000 | 0.0000 | 0.0000 | 84.089 | 0.03573 | 0.00000 | 316523.1 | 215037.1 | 100632.1 | S |
| 204.008 | 0.0000 | 0.0000 | 84.089 | 0.03573 | 0.00000 | 316523.1 | 215038.2 | 100632.1 | S |
| 204.017 | 0.0000 | 0.0000 | 84.089 | 0.03572 | 0.00000 | 316523.1 | 215039.3 | 100632.1 | S |
| 204.025 | 0.0000 | 0.0000 | 84.089 | 0.03572 | 0.00000 | 316523.1 | 215040.3 | 100632.1 | S |
| 204.033 | 0.0000 | 0.0000 | 84.089 | 0.03572 | 0.00000 | 316523.1 | 215041.4 | 100632.1 | S |
| 204.042 | 0.0000 | 0.0000 | 84.089 | 0.03571 | 0.00000 | 316523.1 | 215042.5 | 100632.1 | S |
| 204.050 | 0.0000 | 0.0000 | 84.089 | 0.03571 | 0.00000 | 316523.1 | 215043.5 | 100632.1 | S |
| 204.058 | 0.0000 | 0.0000 | 84.089 | 0.03571 | 0.00000 | 316523.1 | 215044.6 | 100632.1 | S |
| 204.067 | 0.0000 | 0.0000 | 84.089 | 0.03570 | 0.00000 | 316523.1 | 215045.7 | 100632.1 | S |
| 204.075 | 0.0000 | 0.0000 | 84.088 | 0.03570 | 0.00000 | 316523.1 | 215046.8 | 100632.1 | S |
| 204.083 | 0.0000 | 0.0000 | 84.088 | 0.03570 | 0.00000 | 316523.1 | 215047.8 | 100632.1 | S |
| 204.092 | 0.0000 | 0.0000 | 84.088 | 0.03570 | 0.00000 | 316523.1 | 215048.9 | 100632.1 | S |
| 204.100 | 0.0000 | 0.0000 | 84.088 | 0.03569 | 0.00000 | 316523.1 | 215050.0 | 100632.1 | S |
| 204.108 | 0.0000 | 0.0000 | 84.088 | 0.03569 | 0.00000 | 316523.1 | 215051.0 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.

## Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}{ }^{3} / \mathrm{s}$ ) | Outside Recharge (fidday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / 5}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 204.117 | 0.0000 | 0.0000 | 84.088 | 0.03569 | 0.00000 | 316523.1 | 215052.1 | 100632.1 | S |
| 204.125 | 0.0000 | 0.0000 | 84.088 | 0.03568 | 0.00000 | 316523.1 | 215053.2 | 100632.1 | S |
| 204.133 | 0.0000 | 0.0000 | 84.088 | 0.03568 | 0.00000 | 316523.1 | 215054.3 | 100632.1 | S |
| 204.142 | 0.0000 | 0.0000 | 84.088 | 0.03568 | 0.00000 | 316523.1 | 215055.3 | 100632.1 | S |
| 204.150 | 0.0000 | 0.0000 | 84.087 | 0.03567 | 0.00000 | 316523.1 | 215056.4 | 100632.1 | S |
| 204.158 | 0.0000 | 0.0000 | 84.087 | 0.03567 | 0.00000 | 316523.1 | 215057.5 | 100632.1 | S |
| 204.167 | 0.0000 | 0.0000 | 84.087 | 0.03567 | 0.00000 | 316523.1 | 215058.5 | 100632.1 | S |
| 204.175 | 0.0000 | 0.0000 | 84.087 | 0.03567 | 0.00000 | 316523.1 | 215059.6 | 100632.1 | S |
| 204.183 | 0.0000 | 0.0000 | 84.087 | 0.03566 | 0.00000 | 316523.1 | 215060.7 | 100632.1 | S |
| 204.192 | 0.0000 | 0.0000 | 84.087 | 0.03566 | 0.00000 | 316523.1 | 215061.7 | 100632.1 | S |
| 204.200 | 0.0000 | 0.0000 | 84.087 | 0.03566 | 0.00000 | 316523.1 | 215062.8 | 100632.1 | S |
| 204.208 | 0.0000 | 0.0000 | 84.087 | 0.03565 | 0.00000 | 316523.1 | 215063.9 | 100632.1 | S |
| 204.217 | 0.0000 | 0.0000 | 84.087 | 0.03565 | 0.00000 | 316523.1 | 215065.0 | 100632.1 | S |
| 204.225 | 0.0000 | 0.0000 | 84.087 | 0.03565 | 0.00000 | 316523.1 | 215066.0 | 100632.1 | S |
| 204.233 | 0.0000 | 0.0000 | 84.086 | 0.03564 | 0.00000 | 316523.1 | 215067.1 | 100632.1 | S |
| 204.242 | 0.0000 | 0.0000 | 84.086 | 0.03564 | 0.00000 | 316523.1 | 215068.2 | 100632.1 | S |
| 204.250 | 0.0000 | 0.0000 | 84.086 | 0.03564 | 0.00000 | 316523.1 | 215069.2 | 100632.1 | S |
| 204.258 | 0.0000 | 0.0000 | 84.086 | 0.03563 | 0.00000 | 316523.1 | 215070.3 | 100632.1 | S |
| 204.267 | 0.0000 | 0.0000 | 84.086 | 0.03563 | 0.00000 | 316523.1 | 215071.4 | 100632.1 | S |
| 204.275 | 0.0000 | 0.0000 | 84.086 | 0.03563 | 0.00000 | 316523.1 | 215072.4 | 100632.1 | S |
| 204.283 | 0.0000 | 0.0000 | 84.086 | 0.03563 | 0.00000 | 316523.1 | 215073.5 | 100632.1 | S |
| 204.292 | 0.0000 | 0.0000 | 84.086 | 0.03562 | 0.00000 | 316523.1 | 215074.6 | 100632.1 | S |
| 204.300 | 0.0000 | 0.0000 | 84.086 | 0.03562 | 0.00000 | 316523.1 | 215075.6 | 100632.1 | S |
| 204.308 | 0.0000 | 0.0000 | 84.085 | 0.03562 | 0.00000 | 316523.1 | 215076.7 | 100632.1 | S |
| 204.317 | 0.0000 | 0.0000 | 84.085 | 0.03561 | 0.00000 | 316523.1 | 215077.8 | 100632.1 | S |
| 204.325 | 0.0000 | 0.0000 | 84.085 | 0.03561 | 0.00000 | 316523.1 | 215078.8 | 100632.1 | S |
| 204.333 | 0.0000 | 0.0000 | 84.085 | 0.03561 | 0.00000 | 316523.1 | 215079.9 | 100632.1 | S |
| 204.342 | 0.0000 | 0.0000 | 84.085 | 0.03560 | 0.00000 | 316523.1 | 215081.0 | 100632.1 | S |
| 204.350 | 0.0000 | 0.0000 | 84.085 | 0.03560 | 0.00000 | 316523.1 | 215082.0 | 100632.1 | S |
| 204.358 | 0.0000 | 0.0000 | 84.085 | 0.03560 | 0.00000 | 316523.1 | 215083.1 | 100632.1 | S |
| 204.367 | 0.0000 | 0.0000 | 84.085 | 0.03560 | 0.00000 | 316523.1 | 215084.2 | 100632.1 | S |
| 204.375 | 0.0000 | 0.0000 | 84.085 | 0.03559 | 0.00000 | 316523.1 | 215085.3 | 100632.1 | S |
| 204.383 | 0.0000 | 0.0000 | 84.084 | 0.03559 | 0.00000 | 316523.1 | 215086.3 | 100632.1 | S |
| 204.392 | 0.0000 | 0.0000 | 84.084 | 0.03559 | 0.00000 | 316523.1 | 215087.4 | 100632.1 | S |
| 204.400 | 0.0000 | 0.0000 | 84.084 | 0.03558 | 0.00000 | 316523.1 | 215088.5 | 100632.1 | S |
| 204.408 | 0.0000 | 0.0000 | 84.084 | 0.03558 | 0.00000 | 316523.1 | 215089.5 | 100632.1 | S |
| 204.417 | 0.0000 | 0.0000 | 84.084 | 0.03558 | 0.00000 | 316523.1 | 215090.6 | 100632.1 | S |
| 204.425 | 0.0000 | 0.0000 | 84.084 | 0.03557 | 0.00000 | 316523.1 | 215091.7 | 100632.1 | S |
| 204.433 | 0.0000 | 0.0000 | 84.084 | 0.03557 | 0.00000 | 316523.1 | 215092.7 | 100632.1 | S |
| 204.442 | 0.0000 | 0.0000 | 84.084 | 0.03557 | 0.00000 | 316523.1 | 215093.8 | 100632.1 | S |
| 204.450 | 0.0000 | 0.0000 | 84.084 | 0.03556 | 0.00000 | 316523.1 | 215094.9 | 100632.1 | S |
| 204.458 | 0.0000 | 0.0000 | 84.083 | 0.03556 | 0.00000 | 316523.1 | 215095.9 | 100632.1 | S |
| 204.467 | 0.0000 | 0.0000 | 84.083 | 0.03556 | 0.00000 | 316523.1 | 215097.0 | 100632.1 | S |
| 204.475 | 0.0000 | 0.0000 | 84,083 | 0.03556 | 0.00000 | 316523.1 | 215098.1 | 100632.1 | S |
| 204.483 | 0.0000 | 0.0000 | 84.083 | 0.03555 | 0.00000 | 316523.1 | 215099.1 | 100632.1 | S |
| 204.492 | 0.0000 | 0.0000 | 84.083 | 0.03555 | 0.00000 | 316523.1 | 215100.2 | 100632.1 | S |
| 204.500 | 0.0000 | 0.0000 | 84.083 | 0.03555 | 0.00000 | 316523.1 | 215101.3 | 100632.1 | S |
| 204.508 | 0.0000 | 0.0000 | 84.083 | 0.03554 | 0.00000 | 316523.1 | 215102.3 | 100632.1 | S |
| 204.517 | 0.0000 | 0.0000 | 84.083 | 0.03554 | 0.00000 | 316523.1 | 215103.4 | 100632.1 | S |
| 204.525 | 0.0000 | 0.0000 | 84.083 | 0.03554 | 0.00000 | 316523.1 | 215104.5 | 100632.1 | S |
| 204.533 | 0.0000 | 0.0000 | 84.082 | 0.03553 | 0.00000 | 316523.1 | 215105.5 | 100632.1 | S |
| 204.542 | 0.0000 | 0.0000 | 84.082 | 0.03553 | 0.00000 | 316523.1 | 215106.6 | 100632.1 | S |
| 204.550 | 0.0000 | 0.0000 | 84.082 | 0.03553 | 0.00000 | 316523.1 | 215107.7 | 100632.1 | S |
| 204.558 | 0.0000 | 0.0000 | 84.082 | 0.03553 | 0.00000 | 316523.1 | 215108.7 | 100632.1 | S |
| 204.567 | 0.0000 | 0.0000 | 84.082 | 0.03552 | 0.00000 | 316523.1 | 215109.8 | 100632.1 | S |
| 204.575 | 0.0000 | 0.0000 | 84.082 | 0.03552 | 0.00000 | 316523.1 | 215110.9 | 100632.1 | S |
| 204.583 | 0.0000 | 0.0000 | 84.082 | 0.03552 | 0.00000 | 316523.1 | 215111.9 | 100632.1 | S |
| 204.592 | 0.0000 | 0.0000 | 84.082 | 0.03551 | 0.00000 | 316523.1 | 215113.0 | 100632.1 | S |
| 204.600 | 0.0000 | 0.0000 | 84.082 | 0.03551 | 0.00000 | 316523.1 | 215114.0 | 100632.1 | S |
| 204.608 | 0.0000 | 0.0000 | 84.081 | 0.03551 | 0.00000 | 316523.1 | 215115.1 | 100632.1 | S |
| 204.617 | 0.0000 | 0.0000 | 84.081 | 0.03550 | 0.00000 | 316523.1 | 215116.2 | 100632.1 | S |
| 204.625 | 0.0000 | 0.0000 | 84.081 | 0.03550 | 0.00000 | 316523.1 | 215117.3 | 100632.1 | S |
| 204.633 | 0.0000 | 0.0000 | 84.081 | 0.03550 | 0.00000 | 316523.1 | 215118.3 | 100632.1 | S |
| 204.642 | 0.0000 | 0.0000 | 84.081 | 0.03549 | 0.00000 | 316523.1 | 215119.4 | 100632.1 | S |
| 204.650 | 0.0000 | 0.0000 | 84.081 | 0.03549 | 0.00000 | 316523.1 | 215120.4 | 100632.1 | S |
| 204.658 | 0.0000 | 0.0000 | 84.081 | 0.03549 | 0.00000 | 316523.1 | 215121.5 | 100632.1 | S |
| 204,667 | 0.0000 | 0.0000 | 84.081 | 0.03549 | 0.00000 | 316523.1 | 215122.6 | 100632.1 | S |
| 204.675 | 0.0000 | 0.0000 | 84.081 | 0.03548 | 0.00000 | 316523.1 | 215123.6 | 100632.1 | S |
| 204.683 | 0.0000 | 0.0000 | 84.080 | 0.03548 | 0.00000 | 316523.1 | 215124.7 | 100632.1 | S |
| 204.692 | 0.0000 | 0.0000 | 84.080 | 0.03548 | 0.00000 | 316523.1 | 215125.8 | 100632.1 | S |
| 204.700 | 0.0000 | 0.0000 | 84.080 | 0.03547 | 0.00000 | 316523.1 | 215126.8 | 100632.1 | S |
| 204.708 | 0.0000 | 0.0000 | 84.080 | 0.03547 | 0.00000 | 316523.1 | 215127.9 | 100632.1 | S |
| 204.717 | 0.0000 | 0.0000 | 84.080 | 0.03547 | 0.00000 | 316523.1 | 215129.0 | 100632.1 | S |
| 204.725 | 0.0000 | 0.0000 | 84.080 | 0.03546 | 0.00000 | 316523.1 | 215130.0 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/overflow

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{3 / s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overfiow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative !nflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}{ }^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ff}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 204.733 | 0.0000 | 0.0000 | 84.080 | 0.03546 | 0.00000 | 316523.1 | 215131.1 | 100632.1 | S |
| 204.742 | 0.0000 | 0.0000 | 84.080 | 0.03546 | 0.00000 | 316523.1 | 215132.1 | 100632.1 | S |
| 204.750 | 0.0000 | 0.0000 | 84.080 | 0.03546 | 0.00000 | 316523.1 | 215133.2 | 100632.1 | S |
| 204.758 | 0.0000 | 0.0000 | 84.079 | 0.03545 | 0.00000 | 316523.1 | 215134.3 | 100632.1 | S |
| 204.767 | 0.0000 | 0.0000 | 84.079 | 0.03545 | 0.00000 | 316523.1 | 215135.3 | 100632.1 | S |
| 204.775 | 0.0000 | 0.0000 | 84.079 | 0.03545 | 0.00000 | 316523.1 | 215136.4 | 100632.1 | S |
| 204.783 | 0.0000 | 0.0000 | 84.079 | 0.03544 | 0.00000 | 316523.1 | 215137.5 | 100632.1 | S |
| 204.792 | 0.0000 | 0.0000 | 84.079 | 0.03544 | 0.00000 | 316523.1 | 215138.5 | 100632.1 | S |
| 204.800 | 0.0000 | 0.0000 | 84.079 | 0.03544 | 0.00000 | 316523.1 | 215739.6 | 100632.1 | S |
| 204.808 | 0.0000 | 0.0000 | 84.079 | 0.03543 | 0.00000 | 316523.1 | 215140.7 | 100632.1 | S |
| 204.817 | 0.0000 | 0.0000 | 84.079 | 0.03543 | 0.00000 | 316523.1 | 215141.7 | 100632.1 | S |
| 204.825 | 0.0000 | 0.0000 | 84.079 | 0.03543 | 0.00000 | 316523.1 | 215142.8 | 100632.1 | S |
| 204.833 | 0.0000 | 0.0000 | 84.078 | 0.03543 | 0.00000 | 316523.1 | 215143.8 | 100632.1 | S |
| 204.842 | 0.0000 | 0.0000 | 84.078 | 0.03542 | 0.00000 | 316523.1 | 215144.9 | 100632.1 | S |
| 204.850 | 0.0000 | 0.0000 | 84.078 | 0.03542 | 0.00000 | 316523.1 | 215146.0 | 100632.1 | S |
| 204.858 | 0.0000 | 0.0000 | 84.078 | 0.03542 | 0.00000 | 316523.1 | 215147.0 | 100632.1 | S |
| 204.867 | 0.0000 | 0.0000 | 84.078 | 0.03541 | 0.00000 | 316523.1 | 215148.1 | 100632.1 | S |
| 204.875 | 0.0000 | 0.0000 | 84.078 | 0.03541 | 0.00000 | 316523.1 | 215149.2 | 100632.1 | S |
| 204.883 | 0.0000 | 0.0000 | 84.078 | 0.03541 | 0.00000 | 316523.1 | 215150.2 | 100632.1 | S |
| 204.892 | 0.0000 | 0.0000 | 84.078 | 0.03540 | 0.00000 | 316523.1 | 215151.3 | 100632.1 | S |
| 204.900 | 0.0000 | 0.0000 | 84.078 | 0.03540 | 0.00000 | 316523.1 | 215152.3 | 100632.1 | S |
| 204.908 | 0.0000 | 0.0000 | 84.077 | 0.03540 | 0.00000 | 316523.1 | 215153.4 | 100632.1 | S |
| 204.917 | 0.0000 | 0.0000 | 84.077 | 0.03539 | 0.00000 | 316523.1 | 215154.5 | 100632.1 | S |
| 204.925 | 0.0000 | 0.0000 | 84.077 | 0.03539 | 0.00000 | 316523.1 | 215155.5 | 100632.1 | S |
| 204.933 | 0.0000 | 0.0000 | 84.077 | 0.03539 | 0.00000 | 316523.1 | 215156.6 | 100632.1 | S |
| 204.942 | 0.0000 | 0.0000 | 84.077 | 0.03539 | 0.00000 | 316523.1 | 215157.7 | 100632.1 | S |
| 204.950 | 0.0000 | 0.0000 | 84.077 | 0.03538 | 0.00000 | 316523.1 | 215158.7 | 100632.1 | S |
| 204.958 | 0.0000 | 0.0000 | 84.077 | 0.03538 | 0.00000 | 316523.1 | 215159.8 | 100632.1 | S |
| 204.967 | 0.0000 | 0.0000 | 84.077 | 0.03538 | 0.00000 | 316523.1 | 215160.8 | 100632.1 | S |
| 204.975 | 0.0000 | 0.0000 | 84.077 | 0.03537 | 0.00000 | 316523.1 | 215161.9 | 100632.1 | S |
| 204.983 | 0.0000 | 0.0000 | 84.077 | 0.03537 | 0.00000 | 316523.1 | 215163.0 | 100632.1 | S |
| 204.992 | 0.0000 | 0.0000 | 84.076 | 0.03537 | 0.00000 | 316523.1 | 215164.0 | 100632.1 | S |
| 205.000 | 0.0000 | 0.0000 | 84.076 | 0.03536 | 0.00000 | 316523.1 | 215165.1 | 100632.1 | S |
| 205.008 | 0.0000 | 0.0000 | 84.076 | 0.03536 | 0.00000 | 316523.1 | 215166.1 | 100632.1 | S |
| 205.017 | 0.0000 | 0.0000 | 84.076 | 0.03536 | 0.00000 | 316523.1 | 215167.2 | 100632.1 | S |
| 205.025 | 0.0000 | 0.0000 | 84.076 | 0.03536 | 0.00000 | 316523.1 | 215168.3 | 100632.1 | S |
| 205.033 | 0.0000 | 0.0000 | 84.076 | 0.03535 | 0.00000 | 316523.1 | 215169.3 | 100632.1 | S |
| 205.042 | 0.0000 | 0.0000 | 84.076 | 0.03535 | 0.00000 | 316523.1 | 215170.4 | 100632.1 | S |
| 205.050 | 0.0000 | 0.0000 | 84.076 | 0.03535 | 0.00000 | 316523.1 | 215171.4 | 100632.1 | S |
| 205.058 | 0.0000 | 0.0000 | 84.076 | 0.03534 | 0.00000 | 316523.1 | 215172.5 | 100632.1 | S |
| 205.067 | 0.0000 | 0.0000 | 84.075 | 0.03534 | 0.00000 | 316523.1 | 215173.6 | 100632.1 | S |
| 205.075 | 0.0000 | 0.0000 | 84.075 | 0.03534 | 0.00000 | 316523.1 | 215174.6 | 100632.1 | S |
| 205.083 | 0.0000 | 0.0000 | 84.075 | 0.03533 | 0.00000 | 316523.1 | 215175.7 | 100632.1 | S |
| 205.092 | 0.0000 | 0.0000 | 84.075 | 0.03533 | 0.00000 | 316523.1 | 215176.8 | 100632.1 | S |
| 205.100 | 0.0000 | 0.0000 | 84.075 | 0.03533 | 0.00000 | 316523.1 | 215177.8 | 100632.1 | S |
| 205.108 | 0.0000 | 0.0000 | 84.075 | 0.03533 | 0.00000 | 316523.1 | 215178.9 | 100632.1 | S |
| 205.117 | 0.0000 | 0.0000 | 84.075 | 0.03532 | 0.00000 | 316523.1 | 215179.9 | 100632.1 | S |
| 205.125 | 0.0000 | 0.0000 | 84.075 | 0.03532 | 0.00000 | 316523.1 | 215181.0 | 100632.1 | S |
| 205.133 | 0.0000 | 0.0000 | 84.075 | 0.03532 | 0.00000 | 316523.1 | 215182.0 | 100632.1 | S |
| 205.142 | 0.0000 | 0.0000 | 84.074 | 0.03531 | 0.00000 | 316523.1 | 215183.1 | 100632.1 | S |
| 205.150 | 0.0000 | 0.0000 | 84.074 | 0.03531 | 0.00000 | 316523.1 | 215184.2 | 100632.1 | S |
| 205.158 | 0.0000 | 0.0000 | 84.074 | 0.03531 | 0.00000 | 316523.1 | 215185.2 | 100632.1 | S |
| 205.167 | 0.0000 | 0.0000 | 84.074 | 0.03530 | 0.00000 | 316523.1 | 215186.3 | 100632.1 | S |
| 205.175 | 0.0000 | 0.0000 | 84.074 | 0.03530 | 0.00000 | 316523.1 | 215187.3 | 100632.1 | S |
| 205.183 | 0.0000 | 0.0000 | 84.074 | 0.03530 | 0.00000 | 316523.1 | 215188.4 | 100632.1 | S |
| 205.192 | 0.0000 | 0.0000 | 84.074 | 0.03530 | 0.00000 | 316523.1 | 215189.5 | 100632.1 | S |
| 205.200 | 0.0000 | 0.0000 | 84.074 | 0.03529 | 0.00000 | 316523.1 | 215190.5 | 100632.1 | S |
| 205.208 | 0.0000 | 0.0000 | 84.074 | 0.03529 | 0.00000 | 316523.1 | 215191.6 | 100632.1 | S |
| 205.217 | 0.0000 | 0.0000 | 84.073 | 0.03529 | 0.00000 | 316523.1 | 215192.6 | 100632.1 | S |
| 205.225 | 0.0000 | 0.0000 | 84.073 | 0.03528 | 0.00000 | 316523.1 | 215193.7 | 100632.1 | S |
| 205.233 | 0.0000 | 0.0000 | 84.073 | 0.03528 | 0.00000 | 316523.1 | 215194.8 | 100632.1 | S |
| 205.242 | 0.0000 | 0.0000 | 84.073 | 0.03528 | 0.00000 | 316523.1 | 215195.8 | 100632.1 | S |
| 205.250 | 0.0000 | 0.0000 | 84.073 | 0.03527 | 0.00000 | 316523.1 | 215196.9 | 100632.1 | S |
| 205.258 | 0.0000 | 0.0000 | 84.073 | 0.03527 | 0.00000 | 316523.1 | 215197.9 | 100632.1 | S |
| 205.267 | 0.0000 | 0.0000 | 84.073 | 0.03527 | 0.00000 | 316523.1 | 215199.0 | 100632.1 | S |
| 205.275 | 0.0000 | 0.0000 | 84.073 | 0.03526 | 0.00000 | 316523.1 | 215200.0 | 100632.1 | S |
| 205.283 | 0.0000 | 0.0000 | 84.073 | 0.03526 | 0.00000 | 316523.1 | 215201.1 | 100632.1 | S |
| 205.292 | 0.0000 | 0.0000 | 84.072 | 0.03526 | 0.00000 | 316523.1 | 215202.2 | 100632.1 | S |
| 205.300 | 0.0000 | 0.0000 | 84.072 | 0.03526 | 0.00000 | 316523.1 | 215203.2 | 100632.1 | S |
| 205.308 | 0.0000 | 0.0000 | 84.072 | 0.03525 | 0.00000 | 316523.1 | 215204.3 | 100632.1 | S |
| 205.317 | 0.0000 | 0.0000 | 84.072 | 0.03525 | 0.00000 | 316523.1 | 215205.3 | 100632.1 | S |
| 205.325 | 0.0000 | 0.0000 | 84.072 | 0.03525 | 0.00000 | 316523.1 | 215206.4 | 100632.1 | S |
| 205.333 | 0.0000 | 0.0000 | 84.072 | 0.03524 | 0.00000 | 316523.1 | 215207.4 | 100632.1 | S |
| 205.342 | 0.0000 | 0.0000 | 84.072 | 0.03524 | 0.00000 | 316523.1 | 215208.5 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow <br> Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $H^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 205.350 | 0.0000 | 0.0000 | 84.072 | 0.03524 | 0.00000 | 316523.1 | 215209.6 | 100632.1 | S |
| 205.358 | 0.0000 | 0.0000 | 84.072 | 0.03523 | 0.00000 | 316523.1 | 215210.6 | 100632.1 | S |
| 205.367 | 0.0000 | 0.0000 | 84.071 | 0.03523 | 0.00000 | 316523.1 | 215211.7 | 100632.1 | S |
| 205.375 | 0.0000 | 0.0000 | 84.071 | 0.03523 | 0.00000 | 316523.1 | 215212.7 | 100632.1 | S |
| 205.383 | 0.0000 | 0.0000 | 84.071 | 0.03523 | 0.00000 | 316523.1 | 215213.8 | 100632.1 | S |
| 205.392 | 0.0000 | 0.0000 | 84.071 | 0.03522 | 0.00000 | 316523.1 | 215214.8 | 100632.1 | S |
| 205.400 | 0.0000 | 0.0000 | 84.071 | 0.03522 | 0.00000 | 316523.1 | 215215.9 | 100632.1 | S |
| 205.408 | 0.0000 | 0.0000 | 84.071 | 0.03522 | 0.00000 | 316523.1 | 215217.0 | 100632.1 | S |
| 205.417 | 0.0000 | 0.0000 | 84.071 | 0.03521 | 0.00000 | 316523.1 | 215218.0 | 100632.1 | S |
| 205.425 | 0.0000 | 0.0000 | 84.071 | 0.03521 | 0.00000 | 316523.1 | 215219.1 | 100632.1 | S |
| 205.433 | 0.0000 | 0.0000 | 84.071 | 0.03521 | 0.00000 | 316523.1 | 215220.1 | 100632.1 | S |
| 205.442 | 0.0000 | 0.0000 | 84.070 | 0.03520 | 0.00000 | 316523.1 | 215221.2 | 100632.1 | S |
| 205.450 | 0.0000 | 0.0000 | 84.070 | 0.03520 | 0.00000 | 316523.1 | 215222.2 | 100632.1 | S |
| 205.458 | 0.0000 | 0.0000 | 84.070 | 0.03520 | 0.00000 | 316523.1 | 215223.3 | 100632.1 | S |
| 205.467 | 0.0000 | 0.0000 | 84.070 | 0.03520 | 0.00000 | 316523.1 | 215224.3 | 100632.1 | S |
| 205.475 | 0.0000 | 0.0000 | 84.070 | 0.03519 | 0.00000 | 316523.1 | 215225.4 | 100632.1 | S |
| 205.483 | 0.0000 | 0.0000 | 84.070 | 0.03519 | 0.00000 | 316523.1 | 215226.5 | 100632.1 | S |
| 205.492 | 0.0000 | 0.0000 | 84.070 | 0.03519 | 0.00000 | 316523.1 | 215227.5 | 100632.1 | S |
| 205.500 | 0.0000 | 0.0000 | 84.070 | 0.03518 | 0.00000 | 316523.1 | 215228.6 | 100632.1 | S |
| 205.508 | 0.0000 | 0.0000 | 84.070 | 0.03518 | 0.00000 | 316523.1 | 215229.6 | 100632.1 | S |
| 205.517 | 0.0000 | 0.0000 | 84.069 | 0.03518 | 0.00000 | 316523.1 | 215230.7 | 100632.1 | S |
| 205.525 | 0.0000 | 0.0000 | 84.069 | 0.03517 | 0.00000 | 316523.1 | 215231.7 | 100632.1 | S |
| 205.533 | 0.0000 | 0.0000 | 84.069 | 0.03517 | 0.00000 | 316523.1 | 215232.8 | 100632.1 | S |
| 205.542 | 0.0000 | 0.0000 | 84.069 | 0.03517 | 0.00000 | 316523.1 | 215233.8 | 100632.1 | S |
| 205.550 | 0.0000 | 0.0000 | 84.069 | 0.03517 | 0.00000 | 316523.4 | 215234.9 | 100632.1 | S |
| 205.558 | 0.0000 | 0.0000 | 84.069 | 0.03516 | 0.00000 | 316523.1 | 215236.0 | 100632.1 | S |
| 205.567 | 0.0000 | 0.0000 | 84.069 | 0.03516 | 0.00000 | 316523.1 | 215237.0 | 100632.1 | S |
| 205.575 | 0.0000 | 0.0000 | 84.069 | 0.03516 | 0.00000 | 316523.1 | 215238.1 | 100632.1 | S |
| 205.583 | 0.0000 | 0.0000 | 84.069 | 0.03515 | 0.00000 | 316523.1 | 215239.1 | 100632.1 | S |
| 205.592 | 0.0000 | 0.0000 | 84.069 | 0.03515 | 0.00000 | 316523.1 | 215240.2 | 100632.1 | S |
| 205.600 | 0.0000 | 0.0000 | 84.068 | 0.03515 | 0.00000 | 316523.1 | 215241.2 | 100632.1 | S |
| 205.608 | 0.0000 | 0.0000 | 84.068 | 0.03514 | 0.00000 | 316523.1 | 215242.3 | \$00632.1 | S |
| 205.617 | 0.0000 | 0.0000 | 84.068 | 0.03514 | 0.00000 | 316523.1 | 215243.3 | 100632.1 | S |
| 205.625 | 0.0000 | 0.0000 | 84.068 | 0.03514 | 0.00000 | 316523.1 | 215244.4 | 100632.1 | S |
| 205.633 | 0.0000 | 0.0000 | 84.068 | 0.03514 | 0.00000 | 316523.1 | 215245.5 | 100632.1 | S |
| 205.642 | 0.0000 | 0.0000 | 84.068 | 0.03513 | 0.00000 | 316523.1 | 215246.5 | 100632.1 | S |
| 205.650 | 0.0000 | 0.0000 | 84.068 | 0.03513 | 0.00000 | 316523.1 | 215247.6 | 100632.1 | S |
| 205.658 | 0.0000 | 0.0000 | 84.068 | 0.03513 | 0.00000 | 316523.1 | 215248.6 | 100632.1 | S |
| 205.667 | 0.0000 | 0.0000 | 84.068 | 0.03512 | 0.00000 | 316523.1 | 215249.7 | 100632.1 | S |
| 205.675 | 0.0000 | 0.0000 | 84.067 | 0.03512 | 0.00000 | 316523.1 | 215250.7 | 100632.1 | S |
| 205.683 | 0.0000 | 0.0000 | 84.067 | 0.03512 | 0.00000 | 316523.1 | 215251.8 | 100632.1 | S |
| 205.692 | 0.0000 | 0.0000 | 84.067 | 0.03511 | 0.00000 | 316523.1 | 215252.8 | 100632.1 | S |
| 205.700 | 0.0000 | 0.0000 | 84.067 | 0.03511 | 0.00000 | 316523.1 | 215253.9 | 100632.1 | S |
| 205.708 | 0.0000 | 0.0000 | 84.067 | 0.03511 | 0.00000 | 316523.1 | 215254.9 | 100632.1 | S |
| 205.717 | 0.0000 | 0.0000 | 84.067 | 0.03511 | 0.00000 | 316523.1 | 215256.0 | 100632.1 | S |
| 205.725 | 0.0000 | 0.0000 | 84.067 | 0.03510 | 0.00000 | 316523.1 | 215257.0 | 100632.1 | S |
| 205.733 | 0.0000 | 0.0000 | 84.067 | 0.03510 | 0.00000 | 316523.1 | 215258.1 | 100632.1 | S |
| 205.742 | 0.0000 | 0.0000 | 84.067 | 0.03510 | 0.00000 | 316523.1 | 215259.1 | 100632.1 | S |
| 205.750 | 0.0000 | 0.0000 | 84.066 | 0.03509 | 0.00000 | 316523.1 | 215260.2 | 100632.1 | S |
| 205.758 | 0.0000 | 0.0000 | 84.066 | 0.03509 | 0.00000 | 316523.1 | 215261.3 | 100632.1 | S |
| 205.767 | 0.0000 | 0.0000 | 84.066 | 0.03509 | 0.00000 | 316523.1 | 215262.3 | 100632.1 | S |
| 205.775 | 0.0000 | 0.0000 | 84.066 | 0.03508 | 0.00000 | 316523.1 | 215263.4 | 100632.1 | S |
| 205.783 | 0.0000 | 0.0000 | 84.066 | 0.03508 | 0.00000 | 316523.1 | 215264.4 | 100632.1 | S |
| 205.792 | 0.0000 | 0.0000 | 84.066 | 0.03508 | 0.00000 | 316523.1 | 215265.5 | 100632.1 | S |
| 205.800 | 0.0000 | 0.0000 | 84.066 | 0.03508 | 0.00000 | 316523.1 | 215266.5 | 100632.1 | S |
| 205.808 | 0.0000 | 0.0000 | 84.066 | 0.03507 | 0.00000 | 316523.1 | 215267.6 | 100632.1 | S |
| 205.817 | 0.0000 | 0.0000 | 84.066 | 0.03507 | 0.00000 | 316523.1 | 215268.6 | 100632.1 | S |
| 205.825 | 0.0000 | 0.0000 | 84.065 | 0.03507 | 0.00000 | 316523.1 | 215269.7 | 100632.1 | S |
| 205.833 | 0.0000 | 0.0000 | 84.065 | 0.03506 | 0.00000 | 316523.1 | 215270.7 | 100632.1 | S |
| 205.842 | 0.0000 | 0.0000 | 84.065 | 0.03506 | 0.00000 | 316523.1 | 215271.8 | 100632.1 | S |
| 205.850 | 0.0000 | 0.0000 | 84.065 | 0.03506 | 0.00000 | 316523.1 | 215272.8 | 100632.1 | S |
| 205.858 | 0.0000 | 0.0000 | 84.065 | 0.03505 | 0.00000 | 316523.1 | 215273.9 | 100632.4 | S |
| 205.867 | 0.0000 | 0.0000 | 84.065 | 0.03505 | 0.00000 | 316523.1 | 215274.9 | 100632.1 | S |
| 205.875 | 0.0000 | 0.0000 | 84.065 | 0.03505 | 0.00000 | 316523.1 | 215276.0 | 100632.1 | S |
| 205.883 | 0.0000 | 0.0000 | 84.065 | 0.03505 | 0.00000 | 316523.1 | 215277.0 | 100632.1 | S |
| 205.892 | 0.0000 | 0.0000 | 84.065 | 0.03504 | 0.00000 | 316523.1 | 215278.1 | 100632.1 | S |
| 205.900 | 0.0000 | 0.0000 | 84.064 | 0.03504 | 0.00000 | 316523.1 | 215279.1 | 100632.1 | S |
| 205.908 | 0.0000 | 0.0000 | 84.064 | 0.03504 | 0.00000 | 316523.1 | 215280.2 | 100632.1 | S |
| 205.917 | 0.0000 | 0.0000 | 84.064 | 0.03503 | 0.00000 | 316523.1 | 215281.2 | 100632.1 | S |
| 205.925 | 0.0000 | 0.0000 | 84.064 | 0.03503 | 0.00000 | 316523.1 | 215282.3 | 100632.1 | S |
| 205.933 | 0.0000 | 0.0000 | 84.064 | 0.03503 | 0.00000 | 316523.1 | 215283.3 | 100632.1 | S |
| 205.942 | 0.0000 | 0.0000 | 84.064 | 0.03502 | 0.00000 | 316523.1 | 215284.4 | 100632.1 | S |
| 205.950 | 0.0000 | 0.0000 | 84.064 | 0.03502 | 0.00000 | 316523.1 | 215285.4 | 100632.1 | S |
| 205.958 | 0.0000 | 0.0000 | 84.064 | 0.03502 | 0.00000 | 316523.1 | 215286.5 | 100632.1 | S |

PONDS Version 3.2.0207

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3 / 5}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{H}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative <br> Discharge <br> Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 205.967 | 0.0000 | 0.0000 | 84.064 | 0.03502 | 0.00000 | 316523.1 | 215287.5 | 100632.1 | S |
| 205.975 | 0.0000 | 0.0000 | 84.063 | 0.03501 | 0.00000 | 316523.1 | 215288.6 | 100632.1 | S |
| 205.983 | 0.0000 | 0.0000 | 84.063 | 0.03501 | 0.00000 | 316523.1 | 215289.6 | 100632.1 | S |
| 205.992 | 0.0000 | 0.0000 | 84.063 | 0.03501 | 0.00000 | 316523.1 | 215290.7 | 100632.1 | S |
| 206.000 | 0.0000 | 0.0000 | 84.063 | 0.03500 | 0.00000 | 316523.1 | 215291.7 | 100632.1 | S |
| 206.008 | 0.0000 | 0.0000 | 84.063 | 0.03500 | 0.00000 | 316523.1 | 215292.8 | 100632.1 | S |
| 206.017 | 0.0000 | 0.0000 | 84.063 | 0.03500 | 0.00000 | 316523.1 | 215293.8 | 100632.1 | S |
| 206.025 | 0.0000 | 0.0000 | 84.063 | 0.03499 | 0.00000 | 316523.1 | 215294.9 | 100632.1 | S |
| 206.033 | 0.0000 | 0.0000 | 84.063 | 0.03499 | 0.00000 | 316523.1 | 215295.9 | 100632.1 | S |
| 206.042 | 0.0000 | 0.0000 | 84.063 | 0.03499 | 0.00000 | 316523.1 | 215297.0 | 100632.1 | S |
| 206.050 | 0.0000 | 0.0000 | 84.062 | 0.03499 | 0.00000 | 316523.1 | 215298.0 | 100632.1 | S |
| 206.058 | 0.0000 | 0.0000 | 84.062 | 0.03498 | 0.00000 | 316523.1 | 215299.1 | 100632.1 | S |
| 206.067 | 0.0000 | 0.0000 | 84.062 | 0.03498 | 0.00000 | 316523.1 | 215300.1 | 100632.1 | S |
| 206.075 | 0.0000 | 0.0000 | 84.062 | 0.03498 | 0.00000 | 316523.1 | 215301.2 | 100632.1 | S |
| 206.083 | 0.0000 | 0.0000 | 84.062 | 0.03497 | 0.00000 | 316523.1 | 215302.2 | 100632.1 | S |
| 206.092 | 0.0000 | 0.0000 | 84.062 | 0.03497 | 0.00000 | 316523.1 | 215303.3 | 100632.1 | S |
| 206.100 | 0.0000 | 0.0000 | 84.062 | 0.03497 | 0.00000 | 316523.1 | 215304.3 | 100632.1 | S |
| 206.108 | 0.0000 | 0.0000 | 84.062 | 0.03496 | 0.00000 | 316523.1 | 215305.4 | 100632.1 | S |
| 206.117 | 0.0000 | 0.0000 | 84.062 | 0.03496 | 0.00000 | 316523.1 | 215306.4 | 100632.1 | S |
| 206.125 | 0.0000 | 0.0000 | 84.062 | 0.03496 | 0.00000 | 316523.1 | 215307.5 | 100632.1 | S |
| 206.133 | 0.0000 | 0.0000 | 84.061 | 0.03496 | 0.00000 | 316523.1 | 215308.5 | 100632.1 | S |
| 206.142 | 0.0000 | 0.0000 | 84.061 | 0.03495 | 0.00000 | 316523.1 | 215309.6 | 100632.1 | S |
| 206.150 | 0.0000 | 0.0000 | 84.061 | 0.03495 | 0.00000 | 316523.1 | 215310.6 | 100632.1 | S |
| 206.158 | 0.0000 | 0.0000 | 84.061 | 0.03495 | 0.00000 | 316523.1 | 215311.7 | 100632.1 | S |
| 206.167 | 0.0000 | 0.0000 | 84.061 | 0.03494 | 0.00000 | 316523.1 | 215312.7 | 100632.1 | S |
| 206.175 | 0.0000 | 0.0000 | 84.061 | 0.03494 | 0.00000 | 316523.1 | 215313.8 | 100632.1 | S |
| 206.183 | 0.0000 | 0.0000 | 84.061 | 0.03494 | 0.00000 | 316523.1 | 215314.8 | 100632.1 | S |
| 206.192 | 0.0000 | 0.0000 | 84.061 | 0.03494 | 0.00000 | 316523.1 | 215315.9 | 100632.1 | S |
| 206.200 | 0.0000 | 0.0000 | 84.061 | 0.03493 | 0.00000 | 316523.1 | 215316.9 | 100632.1 | S |
| 206.208 | 0.0000 | 0.0000 | 84.060 | 0.03493 | 0.00000 | 316523.1 | 215318.0 | 100632.1 | S |
| 206.217 | 0.0000 | 0.0000 | 84.060 | 0.03493 | 0.00000 | 316523.1 | 215319.0 | 100632.1 | S |
| 206.225 | 0.0000 | 0.0000 | 84.060 | 0.03492 | 0.00000 | 316523.1 | 215320.1 | 100632.1 | S |
| 206.233 | 0.0000 | 0.0000 | 84.060 | 0.03492 | 0.00000 | 316523.1 | 215321.1 | 100632.1 | S |
| 206.242 | 0.0000 | 0.0000 | 84.060 | 0.03492 | 0.00000 | 316523.1 | 215322.2 | 100632.1 | S |
| 206.250 | 0.0000 | 0.0000 | 84.060 | 0.03491 | 0.00000 | 316523.1 | 215323.2 | 100632.1 | S |
| 206.258 | 0.0000 | 0.0000 | 84.060 | 0.03491 | 0.00000 | 316523.1 | 215324.3 | 100632.1 | S |
| 206.267 | 0.0000 | 0.0000 | 84.060 | 0.03491 | 0.00000 | 316523.1 | 215325.3 | 100632.1 | S |
| 206.275 | 0.0000 | 0.0000 | 84.060 | 0.03491 | 0.00000 | 316523.1 | 215326.3 | 100632.1 | S |
| 206.283 | 0.0000 | 0.0000 | 84.059 | 0.03490 | 0.00000 | 316523.1 | 215327.4 | 100632.1 | S |
| 206.292 | 0.0000 | 0.0000 | 84.059 | 0.03490 | 0.00000 | 316523.1 | 215328.4 | 100632.1 | S |
| 206.300 | 0.0000 | 0.0000 | 84.059 | 0.03490 | 0.00000 | 316523.1 | 215329.5 | 100632.1 | S |
| 206.308 | 0.0000 | 0.0000 | 84.059 | 0.03489 | 0.00000 | 316523.1 | 215330.5 | 100632.1 | S |
| 206.317 | 0.0000 | 0.0000 | 84.059 | 0.03489 | 0.00000 | 316523.1 | 215331.6 | 100632.1 | S |
| 206.325 | 0.0000 | 0.0000 | 84.059 | 0.03489 | 0.00000 | 316523.1 | 215332.6 | 100632.1 | S |
| 206.333 | 0.0000 | 0.0000 | 84.059 | 0.03488 | 0.00000 | 316523.1 | 215333.7 | 100632.1 | S |
| 206.342 | 0.0000 | 0.0000 | 84.059 | 0.03488 | 0.00000 | 316523.1 | 215334.7 | 100632.1 | S |
| 206.350 | 0.0000 | 0.0000 | 84.059 | 0.03488 | 0.00000 | 316523.1 | 215335.8 | 100632.1 | S |
| 206.358 | 0.0000 | 0.0000 | 84.058 | 0.03488 | 0.00000 | 316523.1 | 215336.8 | 100632.1 | S |
| 206.367 | 0.0000 | 0.0000 | 84.058 | 0.03487 | 0.00000 | $3 \uparrow 6523.1$ | 215337.9 | 100632.1 | S |
| 206.375 | 0.0000 | 0.0000 | 84.058 | 0.03487 | 0.00000 | 316523.1 | 215338.9 | 100632.1 | S |
| 206.383 | 0.0000 | 0.0000 | 84.058 | 0.03487 | 0.00000 | 316523.1 | 215340.0 | 100632.1 | S |
| 206.392 | 0.0000 | 0.0000 | 84.058 | 0.03486 | 0.00000 | 316523.1 | 215341.0 | 100632.1 | S |
| 206.400 | 0.0000 | 0.0000 | 84.058 | 0.03486 | 0.00000 | 316523.1 | 215342.0 | 100632.1 | S |
| 206.408 | 0.0000 | 0.0000 | 84.058 | 0.03486 | 0.00000 | 316523.1 | 215343.1 | 100632.1 | S |
| 206.417 | 0.0000 | 0.0000 | 84.058 | 0.03485 | 0.00000 | 316523.1 | 215344.1 | 100632.1 | S |
| 206.425 | 0.0000 | 0.0000 | 84.058 | 0.03485 | 0.00000 | 316523.1 | 215345.2 | 100632.1 | S |
| 206.433 | 0.0000 | 0.0000 | 84.057 | 0.03485 | 0.00000 | 316523.1 | 215346.2 | 100632.1 | S |
| 206.442 | 0.0000 | 0.0000 | 84.057 | 0.03485 | 0.00000 | 316523.1 | 215347.3 | 100632.1 | S |
| 206.450 | 0.0000 | 0.0000 | 84.057 | 0.03484 | 0.00000 | 316523.1 | 215348.3 | 100632.1 | S |
| 206.458 | 0.0000 | 0.0000 | 84.057 | 0.03484 | 0.00000 | 316523.1 | 215349.4 | 100632.1 | S |
| 206.467 | 0.0000 | 0.0000 | 84.057 | 0.03484 | 0.00000 | 316523.1 | 215350.4 | 100632.1 | S |
| 206.475 | 0.0000 | 0.0000 | 84.057 | 0.03483 | 0.00000 | 316523.1 | 215351.5 | 100632.1 | S |
| 206.483 | 0.0000 | 0.0000 | 84.057 | 0.03483 | 0.00000 | 316523.1 | 215352.5 | 100632.1 | S |
| 206.492 | 0.0000 | 0.0000 | 84.057 | 0.03483 | 0.00000 | 316523.1 | 215353.5 | 100632.1 | S |
| 206.500 | 0.0000 | 0.0000 | 84.057 | 0.03482 | 0.00000 | 316523.1 | 215354.6 | 100632.1 | S |
| 206.508 | 0.0000 | 0.0000 | 84.057 | 0.03482 | 0.00000 | 316523.1 | 215355.6 | 100632.1 | S |
| 206.517 | 0.0000 | 0.0000 | 84.056 | 0.03482 | 0.00000 | 316523.1 | 215356.7 | 100632.1 | S |
| 206.525 | 0.0000 | 0.0000 | 84.056 | 0.03482 | 0.00000 | 316523.1 | 215357.7 | 100632.1 | S |
| 206.533 | 0.0000 | 0.0000 | 84.056 | 0.03481 | 0.00000 | 316523.1 | 215358.8 | 100632.1 | S |
| 206.542 | 0.0000 | 0.0000 | 84.056 | 0.03481 | 0.00000 | 316523.1 | 215359.8 | 100632.1 | S |
| 206.550 | 0.0000 | 0.0000 | 84.056 | 0.03481 | 0.00000 | 316523.1 | 215360.9 | 100632.1 | S |
| 206.558 | 0.0000 | 0.0000 | 84.056 | 0.03480 | 0.00000 | 316523.1 | 215361.9 | 100632.1 | S |
| 206.567 | 0.0000 | 0.0000 | 84.056 | 0.03480 | 0.00000 | 316523.1 | 215362.9 | 100632.1 | S |
| 206.575 | 0.0000 | 0.0000 | 84.056 | 0.03480 | 0.00000 | 316523.1 | 215364.0 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (f/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge (ft ${ }^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ff}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 206.583 | 0.0000 | 0.0000 | 84.056 | 0.03480 | 0.00000 | 316523.1 | 215365.0 | 100632.1 | S |
| 206.592 | 0.0000 | 0.0000 | 84.055 | 0.03479 | 0.00000 | 316523.1 | 215366.1 | 100632.1 | S |
| 206.600 | 0.0000 | 0.0000 | 84.055 | 0.03479 | 0.00000 | 316523.1 | 215367.1 | 100632.1 | S |
| 206.608 | 0.0000 | 0.0000 | 84.055 | 0.03479 | 0.00000 | 316523.1 | 215368.2 | 100632.1 | S |
| 206.617 | 0.0000 | 0.0000 | 84.055 | 0.03478 | 0.00000 | 316523.1 | 215369.2 | 100632.1 | S |
| 206.625 | 0.0000 | 0.0000 | 84.055 | 0.03478 | 0.00000 | 316523.1 | 215370.3 | 100632.1 | S |
| 206.633 | 0.0000 | 0.0000 | 84.055 | 0.03478 | 0.00000 | 316523.1 | 215371.3 | 100632.1 | S |
| 206.642 | 0.0000 | 0.0000 | 84.055 | 0.03477 | 0.00000 | 316523.1 | 215372.3 | 100632.1 | S |
| 206.650 | 0.0000 | 0.0000 | 84.055 | 0.03477 | 0.00000 | 316523.1 | 215373.4 | 100632.1 | S |
| 206.658 | 0.0000 | 0.0000 | 84.055 | 0.03477 | 0.00000 | 316523.1 | 215374.4 | 100632.1 | S |
| 206.667 | 0.0000 | 0.0000 | 84.054 | 0.03477 | 0.00000 | 316523.1 | 215375.5 | 100632.1 | S |
| 206.675 | 0.0000 | 0.0000 | 84.054 | 0.03476 | 0.00000 | 316523.1 | 215376.5 | 100632.1 | S |
| 206.683 | 0.0000 | 0.0000 | 84.054 | 0.03476 | 0.00000 | 316523.1 | 215377.5 | 100632.1 | S |
| 206.692 | 0.0000 | 0.0000 | 84.054 | 0.03476 | 0.00000 | 316523.1 | 215378.6 | 100632.1 | S |
| 206.700 | 0.0000 | 0.0000 | 84.054 | 0.03475 | 0.00000 | 316523.1 | 215379.6 | 100632.1 | S |
| 206.708 | 0.0000 | 0.0000 | 84.054 | 0.03475 | 0.00000 | 316523.1 | 215380.7 | 100632.1 | S |
| 206.717 | 0.0000 | 0.0000 | 84.054 | 0.03475 | 0.00000 | 316523.1 | 215381.7 | 100632.1 | S |
| 206.725 | 0.0000 | 0.0000 | 84.054 | 0.03474 | 0.00000 | 316523.1 | 215382.8 | 100632.1 | S |
| 206.733 | 0.0000 | 0.0000 | 84.054 | 0.03474 | 0.00000 | 316523.1 | 215383.8 | 100632.1 | S |
| 206.742 | 0.0000 | 0.0000 | 84.053 | 0.03474 | 0.00000 | 316523.1 | 215384.8 | 100632.1 | S |
| 206.750 | 0.0000 | 0.0000 | 84.053 | 0.03474 | 0.00000 | 316523.1 | 215385.9 | 100632.1 | S |
| 206.758 | 0.0000 | 0.0000 | 84.053 | 0.03473 | 0.00000 | 316523.1 | 215386.9 | 100632.1 | S |
| 206.767 | 0.0000 | 0.0000 | 84.053 | 0.03473 | 0.00000 | 316523.1 | 215388.0 | 100632.1 | S |
| 206.775 | 0.0000 | 0.0000 | 84.053 | 0.03473 | 0.00000 | 316523.1 | 215389.0 | 100632.1 | S |
| 206.783 | 0.0000 | 0.0000 | 84.053 | 0.03472 | 0.00000 | 316523.1 | 215390.1 | 100632.1 | S |
| 206.792 | 0.0000 | 0.0000 | 84.053 | 0.03472 | 0.00000 | 316523.1 | 215391.1 | 100632.1 | S |
| 206.800 | 0.0000 | 0.0000 | 84.053 | 0.03472 | 0.00000 | 316523.1 | 215392.1 | 100632.1 | S |
| 206.808 | 0.0000 | 0.0000 | 84.053 | 0.03472 | 0.00000 | 316523.1 | 215393.2 | 100632.1 | S |
| 206.817 | 0.0000 | 0.0000 | 84.052 | 0.03471 | 0.00000 | 316523.1 | 215394.2 | 100632.1 | S |
| 206.825 | 0.0000 | 0.0000 | 84.052 | 0.03471 | 0.00000 | 316523.1 | 215395.3 | 100632.1 | S |
| 206.833 | 0.0000 | 0.0000 | 84.052 | 0.03471 | 0.00000 | 316523.1 | 215396.3 | 100632.1 | S |
| 206.842 | 0.0000 | 0.0000 | 84.052 | 0.03470 | 0.00000 | 316523.1 | 215397.3 | 100632.1 | S |
| 206.850 | 0.0000 | 0.0000 | 84.052 | 0.03470 | 0.00000 | 316523.1 | 215398.4 | 100632.1 | S |
| 206.858 | 0.0000 | 0.0000 | 84.052 | 0.03470 | 0.00000 | 316523.1 | 215399.4 | 100632.1 | S |
| 206.867 | 0.0000 | 0.0000 | 84.052 | 0.03469 | 0.00000 | 316523.1 | 215400.5 | 100632.1 | S |
| 206.875 | 0.0000 | 0.0000 | 84.052 | 0.03469 | 0.00000 | 316523.1 | 215401.5 | 100632.1 | S |
| 206.883 | 0.0000 | 0.0000 | 84.052 | 0.03469 | 0.00000 | 316523.1 | 215402.5 | 100632.1 | S |
| 206.892 | 0.0000 | 0.0000 | 84.051 | 0.03469 | 0.00000 | 316523.1 | 215403.6 | 100632.1 | S |
| 206.900 | 0.0000 | 0.0000 | 84.051 | 0.03468 | 0.00000 | 316523.1 | 215404.6 | 100632.1 | S |
| 206.908 | 0.0000 | 0.0000 | 84.051 | 0.03468 | 0.00000 | 316523.1 | 215405.7 | \$00632.1 | S |
| 206.917 | 0.0000 | 0.0000 | 84.051 | 0.03468 | 0.00000 | 316523.1 | 215406.7 | 100632.1 | S |
| 206.925 | 0.0000 | 0.0000 | 84.051 | 0.03467 | 0.00000 | 316523.1 | 215407.8 | 100632.1 | S |
| 206.933 | 0.0000 | 0.0000 | 84.051 | 0.03467 | 0.00000 | 316523.1 | 215408.8 | 100632.1 | S |
| 206.942 | 0.0000 | 0.0000 | 84.051 | 0.03467 | 0.00000 | 316523.1 | 215409.8 | 100632.1 | S |
| 206.950 | 0.0000 | 0.0000 | 84.051 | 0.03466 | 0.00000 | 316523.1 | 215410.9 | 100632.1 | S |
| 206.958 | 0.0000 | 0.0000 | 84.051 | 0.03466 | 0.00000 | 316523.1 | 215411.9 | 100632.1 | S |
| 206.967 | 0.0000 | 0.0000 | 84.051 | 0.03466 | 0.00000 | 316523.1 | 215413.0 | 100632.1 | S |
| 206.975 | 0.0000 | 0.0000 | 84.050 | 0.03466 | 0.00000 | 316523.1 | 215414.0 | 100632.1 | S |
| 206.983 | 0.0000 | 0.0000 | 84.050 | 0.03465 | 0.00000 | 316523.1 | 215415.0 | 100632.1 | S |
| 206.992 | 0.0000 | 0.0000 | 84.050 | 0.03465 | 0.00000 | 316523.1 | 215416.1 | 100632.1 | S |
| 207.000 | 0.0000 | 0.0000 | 84.050 | 0.03465 | 0.00000 | 316523.1 | 215417.1 | 100632.1 | S |
| 207.008 | 0.0000 | 0.0000 | 84.050 | 0.03464 | 0.00000 | 316523.1 | 215418.2 | 100632.1 | S |
| 207.017 | 0.0000 | 0.0000 | 84.050 | 0.03464 | 0.00000 | 316523.1 | 215419.2 | 100632.1 | S |
| 207.025 | 0.0000 | 0.0000 | 84.050 | 0.03464 | 0.00000 | 316523.1 | 215420.2 | 100632.1 | S |
| 207.033 | 0.0000 | 0.0000 | 84.050 | 0.03464 | 0.00000 | 316523.1 | 215421.3 | 100632.1 | S |
| 207.042 | 0.0000 | 0.0000 | 84.050 | 0.03463 | 0.00000 | 316523.1 | 215422.3 | 100632.4 | S |
| 207.050 | 0.0000 | 0.0000 | 84.049 | 0.03463 | 0.00000 | 316523.1 | 215423.3 | 100632.1 | S |
| 207.058 | 0.0000 | 0.0000 | 84.049 | 0.03463 | 0.00000 | 316523.1 | 215424.4 | 100632.1 | S |
| 207.067 | 0.0000 | 0.0000 | 84.049 | 0.03462 | 0.00000 | 316523.1 | 215425.4 | 100632.1 | S |
| 207.075 | 0.0000 | 0.0000 | 84.049 | 0.03462 | 0.00000 | 316523.1 | 215426.5 | 100632.1 | S |
| 207.083 | 0.0000 | 0.0000 | 84.049 | 0.03462 | 0.00000 | 316523.1 | 215427.5 | 100632.1 | S |
| 207.092 | 0.0000 | 0.0000 | 84.049 | 0.03461 | 0.00000 | 316523.1 | 215428.5 | 100632.1 | S |
| 207.100 | 0.0000 | 0.0000 | 84.049 | 0.03461 | 0.00000 | 316523.1 | 215429.6 | 100632.1 | S |
| 207.108 | 0.0000 | 0.0000 | 84.049 | 0.03461 | 0.00000 | 316523.1 | 215430.6 | 100632.1 | S |
| 207.117 | 0.0000 | 0.0000 | 84.049 | 0.03461 | 0.00000 | 316523.1 | 215431.7 | 100632.1 | S |
| 207.125 | 0.0000 | 0.0000 | 84.048 | 0.03460 | 0.00000 | 316523.1 | 215432.7 | 100632.1 | S |
| 207.133 | 0.0000 | 0.0000 | 84.048 | 0.03460 | 0.00000 | 316523.1 | 215433.7 | 100632.1 | S |
| 207.142 | 0.0000 | 0.0000 | 84.048 | 0.03460 | 0.00000 | 316523.1 | 215434.8 | 100632.1 | S |
| 207.150 | 0.0000 | 0.0000 | 84.048 | 0.03459 | 0.00000 | 316523.1 | 215435.8 | 100632.1 | S |
| 207.158 | 0.0000 | 0.0000 | 84.048 | 0.03459 | 0.00000 | 316523.1 | 215436.8 | 100632.1 | S |
| 207.167 | 0.0000 | 0.0000 | 84.048 | 0.03459 | 0.00000 | 316523.1 | 215437.9 | 100632.1 | S |
| 207.175 | 0.0000 | 0.0000 | 84.048 | 0.03458 | 0.00000 | 316523.1 | 215438.9 | 100632.1 | S |
| 207.183 | 0.0000 | 0.0000 | 84.048 | 0.03458 | 0.00000 | 316523.1 | 215440.0 | 100632.1 | S |
| 207.192 | 0.0000 | 0.0000 | 84.048 | 0.03458 | 0.00000 | 316523.1 | 215441.0 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{3 / 5}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infittration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overfiow Discharge ( $\mathrm{t}^{3 / 5}$ ) | Cumulative Inflow Volume ( $\mathrm{t}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 207.200 | 0.0000 | 0.0000 | 84.047 | 0.03458 | 0.00000 | 316523.1 | 215442.0 | 100632.1 | S |
| 207.208 | 0.0000 | 0.0000 | 84.047 | 0.03457 | 0.00000 | 316523.1 | 215443.1 | 100632.1 | S |
| 207.217 | 0.0000 | 0.0000 | 84.047 | 0.03457 | 0.00000 | 316523.1 | 215444.1 | 100632.1 | S |
| 207.225 | 0.0000 | 0.0000 | 84.047 | 0.03457 | 0.00000 | 316523.1 | 215445.1 | 100632.1 | S |
| 207.233 | 0.0000 | 0.0000 | 84.047 | 0.03456 | 0.00000 | 316523.1 | 215446.2 | 100632.1 | S |
| 207.242 | 0.0000 | 0.0000 | 84.047 | 0.03456 | 0.00000 | 316523.1 | 215447.2 | 100632.1 | S |
| 207.250 | 0.0000 | 0.0000 | 84.047 | 0.03456 | 0.00000 | 316523.1 | 215448.3 | 100632.1 | S |
| 207.258 | 0.0000 | 0.0000 | 84.047 | 0.03456 | 0.00000 | 316523.1 | 215449.3 | 100632.1 | S |
| 207.267 | 0.0000 | 0.0000 | 84.047 | 0.03455 | 0.00000 | 316523.1 | 215450.3 | 100632.1 | S |
| 207.275 | 0.0000 | 0.0000 | 84.046 | 0.03455 | 0.00000 | 316523.1 | 215451.4 | 100632.1 | S |
| 207.283 | 0.0000 | 0.0000 | 84.046 | 0.03455 | 0.00000 | 316523.1 | 215452.4 | 100632.1 | S |
| 207.292 | 0.0000 | 0.0000 | 84.046 | 0.03454 | 0.00000 | 316523.7 | 215453.4 | 100632.1 | S |
| 207.300 | 0.0000 | 0.0000 | 84.046 | 0.03454 | 0.00000 | 316523.1 | 215454.5 | 100632.1 | S |
| 207.308 | 0.0000 | 0.0000 | 84.046 | 0.03454 | 0.00000 | 316523.1 | 215455.5 | 100632.1 | S |
| 207.317 | 0.0000 | 0.0000 | 84.046 | 0.03453 | 0.00000 | 316523.1 | 215456.5 | 100632.1 | S |
| 207.325 | 0.0000 | 0.0000 | 84.046 | 0.03453 | 0.00000 | 316523.1 | 215457.6 | 100632.1 | S |
| 207.333 | 0.0000 | 0.0000 | 84.046 | 0.03453 | 0.00000 | $3 ¢ 6523.1$ | 215458.6 | 100632.1 | S |
| 207.342 | 0.0000 | 0.0000 | 84.046 | 0.03453 | 0.00000 | 316523.1 | 215459.7 | 100632.1 | S |
| 207.350 | 0.0000 | 0.0000 | 84.046 | 0.03452 | 0.00000 | 316523.1 | 215460.7 | 100632.1 | S |
| 207.358 | 0.0000 | 0.0000 | 84.045 | 0.03452 | 0.00000 | 316523.1 | 215461.7 | 100632.1 | S |
| 207.367 | 0.0000 | 0.0000 | 84.045 | 0.03452 | 0.00000 | 316523.1 | 215462.8 | 100632.1 | S |
| 207.375 | 0.0000 | 0.0000 | 84.045 | 0.03451 | 0.00000 | 316523.1 | 215463.8 | 100632.1 | S |
| 207.383 | 0.0000 | 0.0000 | 84.045 | 0.03451 | 0.00000 | 316523.1 | 215464.8 | 100632.1 | S |
| 207.392 | 0.0000 | 0.0000 | 84.045 | 0.03451 | 0.00000 | 316523.1 | 215465.9 | 100632.1 | S |
| 207.400 | 0.0000 | 0.0000 | 84.045 | 0.03451 | 0.00000 | 316523.1 | 215466.9 | 100632.1 | S |
| 207.408 | 0.0000 | 0.0000 | 84.045 | 0.03450 | 0.00000 | 316523.1 | 215467.9 | 100632.1 | S |
| 207.417 | 0.0000 | 0.0000 | 84.045 | 0.03450 | 0.00000 | 316523.1 | 215469.0 | 100632.1 | S |
| 207.425 | 0.0000 | 0.0000 | 84.045 | 0.03450 | 0.00000 | 316523.1 | 215470.0 | 100632.1 | S |
| 207.433 | 0.0000 | 0.0000 | 84.044 | 0.03449 | 0.00000 | 316523.1 | 215471.0 | 100632. 1 | S |
| 207.442 | 0.0000 | 0.0000 | 84.044 | 0.03449 | 0.00000 | 316523.1 | 215472.1 | 100632.1 | S |
| 207.450 | 0.0000 | 0.0000 | 84.044 | 0.03449 | 0.00000 | 316523.1 | 215473.1 | 100632.1 | S |
| 207.458 | 0.0000 | 0.0000 | 84.044 | 0.03448 | 0.00000 | 316523.1 | 215474.1 | 100632.1 | S |
| 207.467 | 0.0000 | 0.0000 | 84.044 | 0.03448 | 0.00000 | 316523.1 | 215475.2 | 100632.1 | S |
| 207.475 | 0.0000 | 0.0000 | 84.044 | 0.03448 | 0.00000 | 316523.1 | 215476.2 | 100632.1 | S |
| 207.483 | 0.0000 | 0.0000 | 84.044 | 0.03448 | 0.00000 | 316523.1 | 215477.3 | 100632.1 | S |
| 207.492 | 0.0000 | 0.0000 | 84.044 | 0.03447 | 0.00000 | 316523.1 | 215478.3 | 100632.1 | S |
| 207.500 | 0.0000 | 0.0000 | 84.044 | 0.03447 | 0.00000 | 316523.1 | 215479.3 | 100632.1 | S |
| 207.508 | 0.0000 | 0.0000 | 84.043 | 0.03447 | 0.00000 | 316523.1 | 215480.3 | 100632.1 | S |
| 207.517 | 0.0000 | 0.0000 | 84.043 | 0.03446 | 0.00000 | 316523.1 | 215481.4 | 100632.1 | S |
| 207.525 | 0.0000 | 0.0000 | 84.043 | 0.03446 | 0.00000 | 316523.1 | 215482.4 | 100632.1 | S |
| 207.533 | 0.0000 | 0.0000 | 84.043 | 0.03446 | 0.00000 | 316523.1 | 215483.5 | 100632.1 | S |
| 207.542 | 0.0000 | 0.0000 | 84.043 | 0.03446 | 0.00000 | 316523.1 | 215484.5 | 100632.1 | S |
| 207.550 | 0.0000 | 0.0000 | 84.043 | 0.03445 | 0.00000 | 316523.1 | 215485.5 | 100632.1 | S |
| 207.558 | 0.0000 | 0.0000 | 84.043 | 0.03445 | 0.00000 | 316523.1 | 215486.5 | 100632.1 | S |
| 207.567 | 0.0000 | 0.0000 | 84.043 | 0.03445 | 0.00000 | 316523.1 | 215487.6 | 100632.1 | S |
| 207.575 | 0.0000 | 0.0000 | 84.043 | 0.03444 | 0.00000 | 316523.1 | 215488.6 | 100632.1 | S |
| 207.583 | 0.0000 | 0.0000 | 84.042 | 0.03444 | 0.00000 | 316523.1 | 215489.7 | 100632.1 | S |
| 207.592 | 0.0000 | 0.0000 | 84.042 | 0.03444 | 0.00000 | 316523.1 | 215490.7 | 100632.1 | S |
| 207.600 | 0.0000 | 0.0000 | 84.042 | 0.03443 | 0.00000 | 316523.1 | 215491.7 | 100632.1 | S |
| 207.608 | 0.0000 | 0.0000 | 84.042 | 0.03443 | 0.00000 | 316523.1 | 215492.8 | 100632.1 | S |
| 207.617 | 0.0000 | 0.0000 | 84.042 | 0.03443 | 0.00000 | 316523.1 | 215493.8 | 100632.1 | S |
| 207.625 | 0.0000 | 0.0000 | 84.042 | 0.03443 | 0.00000 | 316523.1 | 215494.8 | 100632.1 | S |
| 207.633 | 0.0000 | 0.0000 | 84.042 | 0.03442 | 0.00000 | 316523.1 | 215495.8 | 100632.1 | S |
| 207.642 | 0.0000 | 0.0000 | 84.042 | 0.03442 | 0.00000 | 316523.1 | 215496.9 | 100632.1 | S |
| 207.650 | 0.0000 | 0.0000 | 84.042 | 0.03442 | 0.00000 | 316523.1 | 215497.9 | 100632.1 | S |
| 207.658 | 0.0000 | 0.0000 | 84.042 | 0.03441 | 0.00000 | 316523.1 | 215499.0 | 100632.1 | S |
| 207.667 | 0.0000 | 0.0000 | 84.041 | 0.03441 | 0.00000 | 316523.1 | 215500.0 | 100632.1 | S |
| 207.675 | 0.0000 | 0.0000 | 84.041 | 0.03441 | 0.00000 | 316523.1 | 215501.0 | 100632.1 | S |
| 207.683 | 0.0000 | 0.0000 | 84.041 | 0.03441 | 0.00000 | 316523.1 | 215502.0 | 100632.1 | S |
| 207.692 | 0.0000 | 0.0000 | 84.041 | 0.03440 | 0.00000 | 316523.1 | 215503.1 | 100632.1 | S |
| 207.700 | 0.0000 | 0.0000 | 84.041 | 0.03440 | 0.00000 | 316523.1 | 215504.1 | 100632.1 | S |
| 207.708 | 0.0000 | 0.0000 | 84.041 | 0.03440 | 0.00000 | 316523.1 | 215505.1 | 100632.1 | S |
| 207.717 | 0.0000 | 0.0000 | 84.041 | 0.03439 | 0.00000 | 316523.1 | 215506.2 | 100632.1 | S |
| 207.725 | 0.0000 | 0.0000 | 84.041 | 0.03439 | 0.00000 | 316523.1 | 215507.2 | 100632.1 | S |
| 207.733 | 0.0000 | 0.0000 | 84.041 | 0.03439 | 0.00000 | 316523.1 | 215508.2 | 100632.1 | S |
| 207.742 | 0.0000 | 0.0000 | 84.040 | 0.03438 | 0.00000 | 316523.1 | 215509.3 | 100632.1 | S |
| 207.750 | 0.0000 | 0.0000 | 84.040 | 0.03438 | 0.00000 | 316523.1 | 215510.3 | 100632.1 | S |
| 207.758 | 0.0000 | 0.0000 | 84.040 | 0.03438 | 0.00000 | 316523.1 | 215511.3 | 100632.1 | S |
| 207.767 | 0.0000 | 0.0000 | 84.040 | 0.03438 | 0.00000 | 316523.1 | 215512.4 | 100632.1 | S |
| 207.775 | 0.0000 | 0.0000 | 84.040 | 0.03437 | 0.00000 | 316523.1 | 215513.4 | 100632.1 | S |
| 207.783 | 0.0000 | 0.0000 | 84.040 | 0.03437 | 0.00000 | 316523.1 | 215514.4 | 100632.1 | S |
| 207.792 | 0.0000 | 0.0000 | 84.040 | 0.03437 | 0.00000 | 316523.1 | 215515.5 | 100632.1 | S |
| 207.800 | 0.0000 | 0.0000 | 84.040 | 0.03436 | 0.00000 | 316523.1 | 215516.5 | 100632.1 | S |
| 207.808 | 0.0000 | 0.0000 | 84.040 | 0.03436 | 0.00000 | 316523.1 | 215517.5 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario $1::$ pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{H}^{3 / \mathrm{s}}$ ) | Outside Recharge (f/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{t}^{1} / \mathrm{s}$ ) | Overflow <br> Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume (fis) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 207.817 | 0.0000 | 0.0000 | 84.039 | 0.03436 | 0.00000 | 316523.1 | 215518.5 | 100632.1 | S |
| 207.825 | 0.0000 | 0.0000 | 84.039 | 0.03436 | 0.00000 | 316523.1 | 215519.6 | 100632.1 | S |
| 207.833 | 0.0000 | 0.0000 | 84.039 | 0.03435 | 0.00000 | 316523.1 | 215520.6 | 100632.1 | S |
| 207.842 | 0.0000 | 0.0000 | 84.039 | 0.03435 | 0.00000 | 316523.1 | 215521.6 | 100632.1 | S |
| 207.850 | 0.0000 | 0.0000 | 84.039 | 0.03435 | 0.00000 | 316523.1 | 215522.7 | 100632.1 | S |
| 207.858 | 0.0000 | 0.0000 | 84.039 | 0.03434 | 0.00000 | 316523.1 | 215523.7 | 100632.1 | S |
| 207.867 | 0.0000 | 0.0000 | 84.039 | 0.03434 | 0.00000 | 316523.1 | 215524.7 | 100632.1 | S |
| 207.875 | 0.0000 | 0.0000 | 84.039 | 0.03434 | 0.00000 | 316523.1 | 215525.8 | 100632.1 | S |
| 207.883 | 0.0000 | 0.0000 | 84.039 | 0.03434 | 0.00000 | 316523.1 | 215526.8 | 100632.1 | S |
| 207.892 | 0.0000 | 0.0000 | 84.038 | 0.03433 | 0.00000 | 316523.1 | 215527.8 | 100632.1 | S |
| 207.900 | 0.0000 | 0.0000 | 84.038 | 0.03433 | 0.00000 | 316523.1 | 215528.8 | 100632.1 | S |
| 207.908 | 0.0000 | 0.0000 | 84.038 | 0.03433 | 0.00000 | 316523.1 | 215529.9 | 100632.1 | S |
| 207.917 | 0.0000 | 0.0000 | 84.038 | 0.03432 | 0.00000 | 316523.1 | 215530.9 | 100632.1 | S |
| 207.925 | 0.0000 | 0.0000 | 84.038 | 0.03432 | 0.00000 | 316523.1 | 215531.9 | 100632.1 | S |
| 207.933 | 0.0000 | 0.0000 | 84.038 | 0.03432 | 0.00000 | 316523.1 | 215533.0 | 100632.1 | S |
| 207.942 | 0.0000 | 0.0000 | 84.038 | 0.03431 | 0.00000 | 316523.1 | 215534.0 | 100632.1 | S |
| 207.950 | 0.0000 | 0.0000 | 84.038 | 0.03431 | 0.00000 | 316523.1 | 215535.0 | 100632.1 | S |
| 207.958 | 0.0000 | 0.0000 | 84.038 | 0.03431 | 0.00000 | 316523.1 | 215536.1 | 100632.1 | S |
| 207.967 | 0.0000 | 0.0000 | 84.038 | 0.03431 | 0.00000 | 316523.1 | 215537.1 | 100632.1 | S |
| 207.975 | 0.0000 | 0.0000 | 84.037 | 0.03430 | 0.00000 | 316523.1 | 215538.1 | 100632.1 | S |
| 207.983 | 0.0000 | 0.0000 | 84.037 | 0.03430 | 0.00000 | 316523.1 | 215539.1 | 100632.1 | S |
| 207.992 | 0.0000 | 0.0000 | 84.037 | 0.03430 | 0.00000 | 316523.1 | 215540.2 | 100632.1 | S |
| 208.000 | 0.0000 | 0.0000 | 84.037 | 0.03429 | 0.00000 | 316523.1 | 215541.2 | 100632.1 | S |
| 208.008 | 0.0000 | 0.0000 | 84.037 | 0.03429 | 0.00000 | 316523.1 | 215542.2 | 100632.1 | S |
| 208.017 | 0.0000 | 0.0000 | 84.037 | 0.03429 | 0.00000 | 316523.1 | 215543.3 | 100632.1 | S |
| 208.025 | 0.0000 | 0.0000 | 84.037 | 0.03429 | 0.00000 | 316523.1 | 215544.3 | 100632.1 | S |
| 208.033 | 0.0000 | 0.0000 | 84.037 | 0.03428 | 0.00000 | 316523.1 | 215545.3 | 100632.1 | S |
| 208.042 | 0.0000 | 0.0000 | 84.037 | 0.03428 | 0.00000 | 316523.1 | 215546.3 | 100632.1 | S |
| 208.050 | 0.0000 | 0.0000 | 84.036 | 0.03428 | 0.00000 | 316523.1 | 215547.4 | 100632.1 | S |
| 208.058 | 0.0000 | 0.0000 | 84.036 | 0.03427 | 0.00000 | 316523.1 | 215548.4 | 100632.1 | S |
| 208.067 | 0.0000 | 0.0000 | 84.036 | 0.03427 | 0.00000 | 316523.1 | 215549.4 | 100632.1 | S |
| 208.075 | 0.0000 | 0.0000 | 84.036 | 0.03427 | 0.00000 | 316523.1 | 215550.5 | 100632.1 | S |
| 208.083 | 0.0000 | 0.0000 | 84.036 | 0.03426 | 0.00000 | 316523.1 | 215551.5 | 100632.1 | S |
| 208.092 | 0.0000 | 0.0000 | 84.036 | 0.03426 | 0.00000 | 316523.1 | 215552.5 | 100632.1 | S |
| 208.100 | 0.0000 | 0.0000 | 84.036 | 0.03426 | 0.00000 | 316523.1 | 215553.5 | 100632.1 | S |
| 208.108 | 0.0000 | 0.0000 | 84.036 | 0.03426 | 0.00000 | 316523.1 | 215554.6 | 100632.1 | S |
| 208.117 | 0.0000 | 0.0000 | 84.036 | 0.03425 | 0.00000 | 316523.1 | 215555.6 | 100632.1 | S |
| 208.125 | 0.0000 | 0.0000 | 84.035 | 0.03425 | 0.00000 | 316523.1 | 215556.6 | 100632.1 | S |
| 208.133 | 0.0000 | 0.0000 | 84.035 | 0.03425 | 0.00000 | $3 \uparrow 6523.1$ | 215557.7 | 100632.1 | S |
| 208.142 | 0.0000 | 0.0000 | 84.035 | 0.03424 | 0.00000 | 316523.1 | 215558.7 | 100632.1 | S |
| 208.150 | 0.0000 | 0.0000 | 84.035 | 0.03424 | 0.00000 | 316523.1 | 215559.7 | 100632.1 | S |
| 208.158 | 0.0000 | 0.0000 | 84.035 | 0.03424 | 0.00000 | 316523.1 | 215560.7 | 100632.1 | S |
| 208.167 | 0.0000 | 0.0000 | 84.035 | 0.03424 | 0.00000 | 316523.1 | 215561.8 | 100632.1 | S |
| 208.175 | 0.0000 | 0.0000 | 84.035 | 0.03423 | 0.00000 | 316523.1 | 215562.8 | 100632.1 | S |
| 208.183 | 0.0000 | 0.0000 | 84.035 | 0.03423 | 0.00000 | 316523.1 | 215563.8 | 100632.1 | S |
| 208.192 | 0.0000 | 0.0000 | 84.035 | 0.03423 | 0.00000 | 316523.1 | 215564.8 | 100632.1 | S |
| 208.200 | 0.0000 | 0.0000 | 84.034 | 0.03422 | 0.00000 | 316523.1 | 215565.9 | 100632.1 | S |
| 208.208 | 0.0000 | 0.0000 | 84.034 | 0.03422 | 0.00000 | 316523.1 | 215566.9 | 100632.1 | S |
| 208.217 | 0.0000 | 0.0000 | 84.034 | 0.03422 | 0.00000 | 316523.1 | 215567.9 | 100632.1 | S |
| 208.225 | 0.0000 | 0.0000 | 84.034 | 0.03422 | 0.00000 | 316523.1 | 215569.0 | 100632.1 | S |
| 208.233 | 0.0000 | 0.0000 | 84.034 | 0.03421 | 0.00000 | 316523.1 | 215570.0 | 100632.1 | S |
| 208.242 | 0.0000 | 0.0000 | 84.034 | 0.03421 | 0.00000 | 316523.1 | 215571.0 | 100632.1 | S |
| 208.250 | 0.0000 | 0.0000 | 84.034 | 0.03421 | 0.00000 | 316523.1 | 215572.0 | 100632.1 | S |
| 208.258 | 0.0000 | 0.0000 | 84.034 | 0.03420 | 0.00000 | 316523.1 | 215573.0 | 100632.1 | S |
| 208.267 | 0.0000 | 0.0000 | 84.034 | 0.03420 | 0.00000 | 316523.1 | 215574.1 | 100632.1 | S |
| 208.275 | 0.0000 | 0.0000 | 84.034 | 0.03420 | 0.00000 | 316523.1 | 215575.1 | 100632.1 | S |
| 208.283 | 0.0000 | 0.0000 | 84.033 | 0.03419 | 0.00000 | 316523.1 | 215576.1 | 100632.1 | S |
| 208.292 | 0.0000 | 0.0000 | 84.033 | 0.03419 | 0.00000 | 316523.1 | 215577.2 | 100632.1 | S |
| 208.300 | 0.0000 | 0.0000 | 84.033 | 0.03419 | 0.00000 | 316523.1 | 215578.2 | 100632.1 | S |
| 208.308 | 0.0000 | 0.0000 | 84.033 | 0.03419 | 0.00000 | 316523.1 | 215579.2 | 100632.1 | S |
| 208.317 | 0.0000 | 0.0000 | 84.033 | 0.03418 | 0.00000 | 316523.1 | 215580.2 | 100632.1 | S |
| 208.325 | 0.0000 | 0.0000 | 84.033 | 0.03418 | 0.00000 | 316523.1 | 215581.3 | 100632.1 | S |
| 208.333 | 0.0000 | 0.0000 | 84.033 | 0.03418 | 0.00000 | 316523.1 | 215582.3 | 100632.1 | S |
| 208.342 | 0.0000 | 0.0000 | 84.033 | 0.03417 | 0.00000 | 316523.1 | 215583.3 | 100632.1 | S |
| 208.350 | 0.0000 | 0.0000 | 84.033 | 0.03417 | 0.00000 | 316523.1 | 215584.3 | 100632.1 | S |
| 208.358 | 0.0000 | 0.0000 | 84.032 | 0.03417 | 0.00000 | 316523.1 | 215585.4 | 100632.1 | S |
| 208.367 | 0.0000 | 0.0000 | 84.032 | 0.03417 | 0.00000 | 316523.1 | 215586.4 | 100632.1 | S |
| 208,375 | 0.0000 | 0.0000 | 84.032 | 0.03416 | 0.00000 | 316523.1 | 215587.4 | 100632.1 | S |
| 208.383 | 0.0000 | 0.0000 | 84.032 | 0.03416 | 0.00000 | 316523.1 | 215588.4 | 100632.1 | S |
| 208.392 | 0.0000 | 0.0000 | 84.032 | 0.03416 | 0.00000 | 316523.1 | 215589.5 | 100632.1 | S |
| 208.400 | 0.0000 | 0.0000 | 84.032 | 0.03415 | 0.00000 | 316523.1 | 215590.5 | 100632.1 | S |
| 208.408 | 0.0000 | 0.0000 | 84.032 | 0.03415 | 0.00000 | 316523.1 | 215591.5 | 100632.1 | S |
| 208.417 | 0.0000 | 0.0000 | 84.032 | 0.03415 | 0.00000 | 316523.1 | 215592.5 | 100632.1 | S |
| 208.425 | 0.0000 | 0.0000 | 84.032 | 0.03415 | 0.00000 | 316523.1 | 215593.6 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate (ft/s) | Outside Recharge (fi/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Infow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 208.433 | 0.0000 | 0.0000 | 84.031 | 0.03414 | 0.00000 | 316523.1 | 215594.6 | 100632.1 | S |
| 208.442 | 0.0000 | 0.0000 | 84.031 | 0.03414 | 0.00000 | 316523.1 | 215595.6 | 100632.1 | S |
| 208.450 | 0.0000 | 0.0000 | 84.031 | 0.03414 | 0.00000 | 316523.1 | 215596.6 | 100632.1 | S |
| 208.458 | 0.0000 | 0.0000 | 84.031 | 0.03413 | 0.00000 | 316523.1 | 215597.7 | 100632.1 | S |
| 208.467 | 0.0000 | 0.0000 | 84.031 | 0.03413 | 0.00000 | 316523.1 | 215598.7 | 100632.1 | S |
| 208.475 | 0.0000 | 0.0000 | 84.031 | 0.03413 | 0.00000 | 316523.1 | 215599.7 | 100632.1 | S |
| 208.483 | 0.0000 | 0.0000 | 84.031 | 0.03412 | 0.00000 | 316523.1 | 215600.7 | 100632.1 | S |
| 208.492 | 0.0000 | 0.0000 | 84.031 | 0.03412 | 0.00000 | 316523.1 | 215601.8 | 100632.1 | S |
| 208.500 | 0.0000 | 0.0000 | 84.031 | 0.03412 | 0.00000 | 316523.1 | 215602.8 | 100632.1 | S |
| 208.508 | 0.0000 | 0.0000 | 84.030 | 0.03412 | 0.00000 | 316523.1 | 215603.8 | 100632.1 | S |
| 208.517 | 0.0000 | 0.0000 | 84.030 | 0.03411 | 0.00000 | 316523.1 | 215604.8 | 100632.1 | S |
| 208.525 | 0.0000 | 0.0000 | 84.030 | 0.03411 | 0.00000 | 316523.1 | 215605.8 | 100632.1 | S |
| 208.533 | 0.0000 | 0.0000 | 84.030 | 0.03411 | 0.00000 | 316523.1 | 215606.9 | 100632.1 | S |
| 208.542 | 0.0000 | 0.0000 | 84.030 | 0.03410 | 0.00000 | 316523.1 | 215607.9 | 100632.1 | S |
| 208.550 | 0.0000 | 0.0000 | 84.030 | 0.03410 | 0.00000 | 316523.1 | 215608.9 | 100632.1 | S |
| 208.558 | 0.0000 | 0.0000 | 84.030 | 0.03410 | 0.00000 | 316523.1 | 215609.9 | 100632.1 | S |
| 208.567 | 0.0000 | 0.0000 | 84.030 | 0.03410 | 0.00000 | 316523.1 | 215611.0 | 100632.1 | S |
| 208.575 | 0.0000 | 0.0000 | 84.030 | 0.03409 | 0.00000 | 316523.1 | 215612.0 | 100632.1 | S |
| 208.583 | 0.0000 | 0.0000 | 84.030 | 0.03409 | 0.00000 | 316523.1 | 215613.0 | 100632.1 | S |
| 208.592 | 0.0000 | 0.0000 | 84.029 | 0.03409 | 0.00000 | 316523.1 | 215614.0 | 100632.1 | S |
| 208.600 | 0.0000 | 0.0000 | 84.029 | 0.03408 | 0.00000 | 316523.1 | 215615.0 | 100632.1 | S |
| 208.608 | 0.0000 | 0.0000 | 84.029 | 0.03408 | 0.00000 | 316523.1 | 215616.1 | 100632.1 | S |
| 208.617 | 0.0000 | 0.0000 | 84.029 | 0.03408 | 0.00000 | 316523.1 | 215617.1 | 100632.1 | S |
| 208.625 | 0.0000 | 0.0000 | 84.029 | 0.03408 | 0.00000 | 316523.1 | 215618.1 | 100632.1 | S |
| 208.633 | 0.0000 | 0.0000 | 84.029 | 0.03407 | 0.00000 | 316523.1 | 215619.1 | 100632.1 | S |
| 208.642 | 0.0000 | 0.0000 | 84.029 | 0.03407 | 0.00000 | 316523.1 | 215620.2 | 100632.4 | S |
| 208.650 | 0.0000 | 0.0000 | 84.029 | 0.03407 | 0.00000 | 316523.1 | 215621.2 | 100632.1 | S |
| 208.658 | 0.0000 | 0.0000 | 84.029 | 0.03406 | 0.00000 | 316523.1 | 215622.2 | 100632.1 | S |
| 208.667 | 0.0000 | 0.0000 | 84.028 | 0.03406 | 0.00000 | 316523.1 | 215623.2 | 100632.1 | S |
| 208.675 | 0.0000 | 0.0000 | 84.028 | 0.03406 | 0.00000 | 316523.1 | 215624.3 | 100632.1 | S |
| 208.683 | 0.0000 | 0.0000 | 84.028 | 0.03406 | 0.00000 | 316523.1 | 215625.3 | 100632.1 | S |
| 208.692 | 0.0000 | 0.0000 | 84.028 | 0.03405 | 0.00000 | 316523.1 | 215626.3 | 100632.1 | S |
| 208.700 | 0.0000 | 0.0000 | 84.028 | 0.03405 | 0.00000 | 316523.1 | 215627.3 | 100632.1 | S |
| 208.708 | 0.0000 | 0.0000 | 84.028 | 0.03405 | 0.00000 | 316523.1 | 215628.3 | 100632.1 | S |
| 208.717 | 0.0000 | 0.0000 | 84.028 | 0.03404 | 0.00000 | 316523.1 | 215629.4 | 100632.1 | S |
| 208.725 | 0.0000 | 0.0000 | 84.028 | 0.03404 | 0.00000 | 316523.1 | 215630.4 | 100632.1 | S |
| 208.733 | 0.0000 | 0.0000 | 84.028 | 0.03404 | 0.00000 | 316523.1 | 215631.4 | 100632.1 | S |
| 208.742 | 0.0000 | 0.0000 | 84.027 | 0.03403 | 0.00000 | 316523.1 | 215632.4 | 100632.1 | S |
| 208.750 | 0.0000 | 0.0000 | 84.027 | 0.03403 | 0.00000 | 316523.1 | 215633.4 | 100632.1 | S |
| 208.758 | 0.0000 | 0.0000 | 84.027 | 0.03403 | 0.00000 | 316523.1 | 215634.5 | 100632.1 | S |
| 208.767 | 0.0000 | 0.0000 | 84.027 | 0.03403 | 0.00000 | 316523.1 | 215635.5 | 100632.1 | S |
| 208.775 | 0.0000 | 0.0000 | 84.027 | 0.03402 | 0.00000 | 316523.1 | 215636.5 | 100632.1 | S |
| 208.783 | 0.0000 | 0.0000 | 84.027 | 0.03402 | 0.00000 | 316523.1 | 215637.5 | 100632.1 | S |
| 208.792 | 0.0000 | 0.0000 | 84.027 | 0.03402 | 0.00000 | 316523.1 | 215638.5 | 100632.1 | S |
| 208.800 | 0.0000 | 0.0000 | 84.027 | 0.03401 | 0.00000 | 316523.1 | 215639.6 | 100632.1 | S |
| 208.808 | 0.0000 | 0.0000 | 84.027 | 0.03401 | 0.00000 | 316523.1 | 215640.6 | 100632.1 | S |
| 208.817 | 0.0000 | 0.0000 | 84.026 | 0.03401 | 0.00000 | 316523.1 | 215641.6 | 100632.1 | S |
| 208.825 | 0.0000 | 0.0000 | 84.026 | 0.03401 | 0.00000 | 316523.1 | 215642.6 | 100632.1 | S |
| 208.833 | 0.0000 | 0.0000 | 84.026 | 0.03400 | 0.00000 | 316523.1 | 215643.6 | 100632.1 | S |
| 208.842 | 0.0000 | 0.0000 | 84.026 | 0.03400 | 0.00000 | 316523.1 | 215644.7 | 100632.1 | S |
| 208.850 | 0.0000 | 0.0000 | 84.026 | 0.03400 | 0.00000 | 316523.1 | 215645.7 | 100632.1 | S |
| 208.858 | 0.0000 | 0.0000 | 84.026 | 0.03399 | 0.00000 | 316523.1 | 215646.7 | 100632.1 | S |
| 208.867 | 0.0000 | 0.0000 | 84.026 | 0.03399 | 0.00000 | 316523.1 | 215647.7 | 100632.1 | S |
| 208.875 | 0.0000 | 0.0000 | 84.026 | 0.03399 | 0.00000 | 316523.1 | 215648.8 | 100632.1 | S |
| 208.883 | 0.0000 | 0.0000 | 84.026 | 0.03399 | 0.00000 | 316523.1 | 215649.8 | 100632.1 | S |
| 208.892 | 0.0000 | 0.0000 | 84.026 | 0.03398 | 0.00000 | 316523.1 | 215650.8 | 100632.1 | S |
| 208.900 | 0.0000 | 0.0000 | 84.025 | 0.03398 | 0.00000 | 316523.1 | 215651.8 | 100632.1 | S |
| 208.908 | 0.0000 | 0.0000 | 84.025 | 0.03398 | 0.00000 | 316523.1 | 215652.8 | 100632.1 | S |
| 208.917 | 0.0000 | 0.0000 | 84.025 | 0.03397 | 0.00000 | 316523.1 | 215653.8 | 100632.1 | S |
| 208.925 | 0.0000 | 0.0000 | 84.025 | 0.03397 | 0.00000 | 316523.1 | 215654.9 | 100632.1 | S |
| 208.933 | 0.0000 | 0.0000 | 84.025 | 0.03397 | 0.00000 | 316523.1 | 215655.9 | 100632.1 | 5 |
| 208.942 | 0.0000 | 0.0000 | 84.025 | 0.03397 | 0.00000 | 316523.1 | 215656.9 | 100632.1 | S |
| 208.950 | 0.0000 | 0.0000 | 84.025 | 0.03396 | 0.00000 | 316523.1 | 215657.9 | 100632.1 | S |
| 208.958 | 0.0000 | 0.0000 | 84.025 | 0.03396 | 0.00000 | 316523.1 | 215658.9 | 100632.1 | S |
| 208.967 | 0.0000 | 0.0000 | 84.025 | 0.03396 | 0.00000 | 316523.1 | 215660.0 | 100632.1 | S |
| 208.975 | 0.0000 | 0.0000 | 84.024 | 0.03395 | 0.00000 | 316523.1 | 215661.0 | 100632.1 | S |
| 208.983 | 0.0000 | 0.0000 | 84.024 | 0.03395 | 0.00000 | 316523.1 | 215662.0 | 100632.1 | S |
| 208.992 | 0.0000 | 0.0000 | 84.024 | 0.03395 | 0.00000 | 316523.1 | 215663.0 | 100632.1 | S |
| 209.000 | 0.0000 | 0.0000 | 84.024 | 0.03394 | 0.00000 | 316523.1 | 215664.0 | 100632.1 | S |
| 209.008 | 0.0000 | 0.0000 | 84.024 | 0.03394 | 0.00000 | 316523.1 | 215665.0 | 100632.1 | S |
| 209.017 | 0.0000 | 0.0000 | 84.024 | 0.03394 | 0.00000 | 316523.1 | 215666.1 | 100632.1 | S |
| 209.025 | 0.0000 | 0.0000 | 84.024 | 0.03394 | 0.00000 | 316523.1 | 215667.1 | 100632.1 | S |
| 209.033 | 0.0000 | 0.0000 | 84.024 | 0.03393 | 0.00000 | 316523.1 | 215668.1 | 100632.1 | S |
| 209.042 | 0.0000 | 0.0000 | 84.024 | 0.03393 | 0.00000 | 316523.1 | 215669.1 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{fl}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f} \mathrm{t}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $f^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 209.050 | 0.0000 | 0.0000 | 84.023 | 0.03393 | 0.00000 | 316523.1 | 215670.1 | 100632.1 | S |
| 209.058 | 0.0000 | 0.0000 | 84.023 | 0.03392 | 0.00000 | 316523.1 | 215671.2 | 100632.1 | S |
| 209.067 | 0.0000 | 0.0000 | 84.023 | 0.03392 | 0.00000 | 316523.1 | 215672.2 | 100632.1 | S |
| 209.075 | 0.0000 | 0.0000 | 84.023 | 0.03392 | 0.00000 | 316523.1 | 215673.2 | 100632.1 | S |
| 209.083 | 0.0000 | 0.0000 | 84.023 | 0.03392 | 0.00000 | 316523.1 | 215674.2 | 100632.1 | S |
| 209.092 | 0.0000 | 0.0000 | 84.023 | 0.03391 | 0.00000 | 316523.1 | 215675.2 | 100632.1 | S |
| 209.100 | 0.0000 | 0.0000 | 84.023 | 0.03391 | 0.00000 | 316523.1 | 215676.3 | 100632.1 | S |
| 209.108 | 0.0000 | 0.0000 | 84.023 | 0.03391 | 0.00000 | 316523.1 | 215677.3 | 100632.1 | S |
| 209.117 | 0.0000 | 0.0000 | 84.023 | 0.03390 | 0.00000 | 316523.1 | 215678.3 | 100632.1 | S |
| 209.125 | 0.0000 | 0.0000 | 84.023 | 0.03390 | 0.00000 | 316523.1 | 215679.3 | 100632.1 | S |
| 209.133 | 0.0000 | 0.0000 | 84.022 | 0.03390 | 0.00000 | 316523.1 | 215680.3 | 100632.1 | S |
| 209.142 | 0.0000 | 0.0000 | 84.022 | 0.03390 | 0.00000 | 316523.1 | 215681.3 | 100632.1 | S |
| 209.150 | 0.0000 | 0.0000 | 84.022 | 0.03389 | 0.00000 | 316523.1 | 215682.3 | 100632.1 | S |
| 209.158 | 0.0000 | 0.0000 | 84.022 | 0.03389 | 0.00000 | 316523.1 | 215683.4 | 100632.1 | S |
| 209.167 | 0.0000 | 0.0000 | 84.022 | 0.03389 | 0.00000 | 316523.1 | 215684.4 | 100632.1 | S |
| 209.175 | 0.0000 | 0.0000 | 84.022 | 0.03388 | 0.00000 | 316523.1 | 215685.4 | 100632.1 | S |
| 209.183 | 0.0000 | 0.0000 | 84.022 | 0.03388 | 0.00000 | 316523.1 | 215686.4 | 100632.1 | S |
| 209.192 | 0.0000 | 0.0000 | 84.022 | 0.03388 | 0.00000 | 316523.1 | 215687.4 | 100632.1 | S |
| 209.200 | 0.0000 | 0.0000 | 84.022 | 0.03388 | 0.00000 | 316523.1 | 215688.5 | 100632.7 | S |
| 209.208 | 0.0000 | 0.0000 | 84.021 | 0.03387 | 0.00000 | 316523.1 | 215689.5 | 100632.1 | S |
| 209.217 | 0.0000 | 0.0000 | 84.021 | 0.03387 | 0.00000 | 316523.1 | 215690.5 | 100632.1 | S |
| 209.225 | 0.0000 | 0.0000 | 84.021 | 0.03387 | 0.00000 | 316523.1 | 215691.5 | 100632.1 | S |
| 209.233 | 0.0000 | 0.0000 | 84.021 | 0.03386 | 0.00000 | 316523.1 | 215692.5 | 100632.1 | S |
| 209.242 | 0.0000 | 0.0000 | 84.021 | 0.03386 | 0.00000 | 316523.1 | 215693.5 | 100632.1 | S |
| 209.250 | 0.0000 | 0.0000 | 84.021 | 0.03386 | 0.00000 | 316523.1 | 215694.5 | 100632.1 | S |
| 209.258 | 0.0000 | 0.0000 | 84.021 | 0.03386 | 0.00000 | 316523.1 | 215695.6 | 100632.1 | S |
| 209.267 | 0.0000 | 0.0000 | 84.021 | 0.03385 | 0.00000 | 316523.1 | 215696.6 | 100632.1 | S |
| 209.275 | 0.0000 | 0.0000 | 84.021 | 0.03385 | 0.00000 | 316523.1 | 215697.6 | 100632.1 | S |
| 209.283 | 0.0000 | 0.0000 | 84.020 | 0.03385 | 0.00000 | 316523.1 | 215698.6 | 100632.1 | S |
| 209.292 | 0.0000 | 0.0000 | 84.020 | 0.03384 | 0.00000 | 316523.1 | 215699.6 | 100632.1 | S |
| 209.300 | 0.0000 | 0.0000 | 84.020 | 0.03384 | 0.00000 | 316523.1 | 215700.6 | 100632.1 | S |
| 209.308 | 0.0000 | 0.0000 | 84.020 | 0.03384 | 0.00000 | 316523.1 | 215701.7 | 100632.1 | S |
| 209.317 | 0.0000 | 0.0000 | 84.020 | 0.03384 | 0.00000 | 316523.1 | 215702.7 | 100632.1 | S |
| 209.325 | 0.0000 | 0.0000 | 84.020 | 0.03383 | 0.00000 | 316523.7 | 215703.7 | 100632.1 | S |
| 209.333 | 0.0000 | 0.0000 | 84.020 | 0.03383 | 0.00000 | 316523.1 | 215704.7 | 100632.1 | S |
| 209.342 | 0.0000 | 0.0000 | 84.020 | 0.03383 | 0.00000 | 316523.1 | 215705.7 | 100632.1 | S |
| 209.350 | 0.0000 | 0.0000 | 84.020 | 0.03382 | 0.00000 | 316523.1 | 215706.7 | 100632.1 | S |
| 209.358 | 0.0000 | 0.0000 | 84.019 | 0.03382 | 0.00000 | 316523.1 | 215707.7 | 100632.1 | S |
| 209.367 | 0.0000 | 0.0000 | 84.019 | 0.03382 | 0.00000 | 316523.1 | 215708.8 | 100632.1 | S |
| 209.375 | 0.0000 | 0.0000 | 84.019 | 0.03381 | 0.00000 | 316523.1 | 215709.8 | 100632.1 | S |
| 209.383 | 0.0000 | 0.0000 | 84.019 | 0.03381 | 0.00000 | 316523.1 | 215710.8 | 100632.1 | S |
| 209.392 | 0.0000 | 0.0000 | 84.019 | 0.03381 | 0.00000 | 316523.1 | 215711.8 | 100632.1 | S |
| 209.400 | 0.0000 | 0.0000 | 84.019 | 0.03381 | 0.00000 | 316523.1 | 215712.8 | 100632.1 | S |
| 209.408 | 0.0000 | 0.0000 | 84.019 | 0.03380 | 0.00000 | 316523.1 | 215713.8 | 100632.1 | S |
| 209.417 | 0.0000 | 0.0000 | 84.019 | 0.03380 | 0.00000 | 316523.1 | 215714.8 | 100632.1 | S |
| 209.425 | 0.0000 | 0.0000 | 84.019 | 0.03380 | 0.00000 | 316523.1 | 215715.9 | 100632.1 | S |
| 209.433 | 0.0000 | 0.0000 | 84.019 | 0.03379 | 0.00000 | 316523.1 | 215716.9 | 100632.1 | S |
| 209.442 | 0.0000 | 0.0000 | 84.018 | 0.03379 | 0.00000 | 316523.1 | 215717.9 | 100632.1 | S |
| 209.450 | 0.0000 | 0.0000 | 84.018 | 0.03379 | 0.00000 | 316523.1 | 215718.9 | 100632.1 | S |
| 209.458 | 0.0000 | 0.0000 | 84.018 | 0.03379 | 0.00000 | 316523.1 | 215719.9 | 100632.1 | S |
| 209.467 | 0.0000 | 0.0000 | 84.018 | 0.03378 | 0.00000 | 316523.1 | 215720.9 | 100632.1 | S |
| 209.475 | 0.0000 | 0.0000 | 84.018 | 0.03378 | 0.00000 | 316523.1 | 215721.9 | 100632.1 | S |
| 209.483 | 0.0000 | 0.0000 | 84.018 | 0.03378 | 0.00000 | 316523.1 | 215723.0 | 100632.1 | S |
| 209.492 | 0.0000 | 0.0000 | 84.018 | 0.03377 | 0.00000 | 316523.1 | 215724.0 | 100632.1 | S |
| 209.500 | 0.0000 | 0.0000 | 84.018 | 0.03377 | 0.00000 | 316523.1 | 215725.0 | 100632.1 | S |
| 209.508 | 0.0000 | 0.0000 | 84.018 | 0.03377 | 0.00000 | 316523.1 | 215726.0 | 100632.1 | S |
| 209.517 | 0.0000 | 0.0000 | 84.017 | 0.03377 | 0.00000 | 316523.1 | 215727.0 | 100632.1 | S |
| 209.525 | 0.0000 | 0.0000 | 84.017 | 0.03376 | 0.00000 | 316523.1 | 215728.0 | 100632.1 | S |
| 209.533 | 0.0000 | 0.0000 | 84.017 | 0.03376 | 0.00000 | 316523.1 | 215729.0 | 100632.1 | S |
| 209.542 | 0.0000 | 0.0000 | 84.017 | 0.03376 | 0.00000 | 316523.1 | 215730.0 | 100632.1 | S |
| 209.550 | 0.0000 | 0.0000 | 84.017 | 0.03375 | 0.00000 | 316523.1 | 215731.0 | 100632.1 | S |
| 209.558 | 0.0000 | 0.0000 | 84.017 | 0.03375 | 0.00000 | 316523.1 | 215732.1 | 100632.1 | S |
| 209.567 | 0.0000 | 0.0000 | 84.017 | 0.03375 | 0.00000 | 316523.1 | 215733.1 | 100632.1 | S |
| 209.575 | 0.0000 | 0.0000 | 84.017 | 0.03375 | 0.00000 | 316523.1 | 215734.1 | 100632.1 | S |
| 209.583 | 0.0000 | 0.0000 | 84.017 | 0.03374 | 0.00000 | 316523.1 | 215735.1 | 100632.1 | S |
| 209.592 | 0.0000 | 0.0000 | 84.016 | 0.03374 | 0.00000 | 316523.1 | 215736.1 | 100632.1 | S |
| 209.600 | 0.0000 | 0.0000 | 84.016 | 0.03374 | 0.00000 | 316523.1 | 215737.1 | 100632.1 | S |
| 209.608 | 0.0000 | 0.0000 | 84.016 | 0.03373 | 0.00000 | 316523.1 | 215738.1 | 100632.1 | S |
| 209.617 | 0.0000 | 0.0000 | 84.016 | 0.03373 | 0.00000 | 316523.1 | 215739.2 | 100632.1 | S |
| 209.625 | 0.0000 | 0.0000 | 84.016 | 0.03373 | 0.00000 | 316523.1 | 215740.2 | 100632.1 | S |
| 209.633 | 0.0000 | 0.0000 | 84.016 | 0.03373 | 0.00000 | 316523.1 | 215741.2 | 100632.1 | S |
| 209.642 | 0.0000 | 0.0000 | 84.016 | 0.03372 | 0.00000 | 316523.1 | 215742.2 | 100632.1 | S |
| 209.650 | 0.0000 | 0.0000 | 84.016 | 0.03372 | 0.00000 | 316523.1 | 215743.2 | 100632.1 | S |
| 209.658 | 0.0000 | 0.0000 | 84.016 | 0.03372 | 0.00000 | 316523.1 | 215744.2 | 100632.1 | S |

Vista Landfill Redesign Iterim Design

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 209.667 | 0.0000 | 0.0000 | 84.016 | 0.03371 | 0.00000 | 316523.1 | 215745.2 | 100632.1 | S |
| 209.675 | 0.0000 | 0.0000 | 84.015 | 0.03371 | 0.00000 | 316523.1 | 215746.2 | 100632.1 | S |
| 209.683 | 0.0000 | 0.0000 | 84.015 | 0.03371 | 0.00000 | 316523.1 | 215747.3 | 100632.1 | S |
| 209.692 | 0.0000 | 0.0000 | 84.015 | 0.03371 | 0.00000 | 316523.1 | 215748.3 | 100632.1 | S |
| 209.700 | 0.0000 | 0.0000 | 84.015 | 0.03370 | 0.00000 | 316523.1 | 215749.3 | 100632.1 | S |
| 209.708 | 0.0000 | 0.0000 | 84.015 | 0.03370 | 0.00000 | 316523.1 | 215750.3 | 100632.1 | S |
| 209.717 | 0.0000 | 0.0000 | 84.015 | 0.03370 | 0.00000 | 316523.1 | 215751.3 | 100632.1 | S |
| 209.725 | 0.0000 | 0.0000 | 84.015 | 0.03369 | 0.00000 | 316523.1 | 215752.3 | 100632.1 | S |
| 209.733 | 0.0000 | 0.0000 | 84.015 | 0.03369 | 0.00000 | 316523.1 | 215753.3 | 100632.1 | S |
| 209.742 | 0.0000 | 0.0000 | 84.015 | 0.03369 | 0.00000 | 316523.1 | 215754.3 | 100632.1 | S |
| 209.750 | 0.0000 | 0.0000 | 84.014 | 0.03369 | 0.00000 | 316523.1 | 215755.3 | 100632.1 | S |
| 209.758 | 0.0000 | 0.0000 | 84.014 | 0.03368 | 0.00000 | 316523.1 | 215756.3 | 100632.1 | S |
| 209.767 | 0.0000 | 0.0000 | 84.014 | 0.03368 | 0.00000 | 316523.1 | 215757.4 | 100632.1 | S |
| 209.775 | 0.0000 | 0.0000 | 84.014 | 0.03368 | 0.00000 | 316523.1 | 215758.4 | 100632.1 | S |
| 209.783 | 0.0000 | 0.0000 | 84.014 | 0.03367 | 0.00000 | 316523.1 | 215759.4 | 100632.1 | S |
| 209.792 | 0.0000 | 0.0000 | 84.014 | 0.03367 | 0.00000 | 316523.1 | 215760.4 | 100632.1 | S |
| 209.800 | 0.0000 | 0.0000 | 84.014 | 0.03367 | 0.00000 | 316523.1 | 215761.4 | 100632.1 | S |
| 209.808 | 0.0000 | 0.0000 | 84.014 | 0.03367 | 0.00000 | 316523.1 | 215762.4 | 100632.1 | S |
| 209.817 | 0.0000 | 0.0000 | 84.014 | 0.03366 | 0.00000 | 316523.1 | 215763.4 | 100632.1 | S |
| 209.825 | 0.0000 | 0.0000 | 84.013 | 0.03366 | 0.00000 | 316523.1 | 215764.4 | 100632.1 | S |
| 209.833 | 0.0000 | 0.0000 | 84.013 | 0.03366 | 0.00000 | 316523.1 | 215765.4 | 100632.1 | S |
| 209.842 | 0.0000 | 0.0000 | 84.013 | 0.03365 | 0.00000 | 316523.1 | 215766.4 | 100632.1 | S |
| 209.850 | 0.0000 | 0.0000 | 84.013 | 0.03365 | 0.00000 | 316523.1 | 215767.5 | 100632.1 | S |
| 209.858 | 0.0000 | 0.0000 | 84.013 | 0.03365 | 0.00000 | 316523.1 | 215768.5 | 100632.1 | S |
| 209.867 | 0.0000 | 0.0000 | 84.013 | 0.03365 | 0.00000 | 316523.1 | 215769.5 | 100632.1 | S |
| 209.875 | 0.0000 | 0.0000 | 84.013 | 0.03364 | 0.00000 | 316523.1 | 215770.5 | 100632.1 | S |
| 209.883 | 0.0000 | 0.0000 | 84.013 | 0.03364 | 0.00000 | 316523.1 | 215771.5 | 100632.1 | S |
| 209.892 | 0.0000 | 0.0000 | 84.013 | 0.03364 | 0.00000 | 316523.1 | 215772.5 | 100632.1 | S |
| 209.900 | 0.0000 | 0.0000 | 84.013 | 0.03363 | 0.00000 | 316523.1 | 215773.5 | 100632.1 | S |
| 209.908 | 0.0000 | 0.0000 | 84.012 | 0.03363 | 0.00000 | 316523.1 | 215774.5 | 100632.1 | S |
| 209.917 | 0.0000 | 0.0000 | 84.012 | 0.03363 | 0.00000 | 316523.1 | 215775.5 | 100632.1 | S |
| 209.925 | 0.0000 | 0.0000 | 84.012 | 0.03363 | 0.00000 | 316523.1 | 215776.5 | 100632.1 | S |
| 209.933 | 0.0000 | 0.0000 | 84.012 | 0.03362 | 0.00000 | 316523.1 | 215777.5 | 100632.1 | S |
| 209.942 | 0.0000 | 0.0000 | 84.012 | 0.03362 | 0.00000 | 316523.1 | 215778.5 | 100632.1 | S |
| 209.950 | 0.0000 | 0.0000 | 84.012 | 0.03362 | 0.00000 | 316523.1 | 215779.6 | 100632.1 | S |
| 209.958 | 0.0000 | 0.0000 | 84.012 | 0.03361 | 0.00000 | 316523.1 | 215780.6 | 100632.1 | S |
| 209.967 | 0.0000 | 0.0000 | 84.012 | 0.03361 | 0.00000 | 316523.1 | 215781.6 | 100632.1 | S |
| 209.975 | 0.0000 | 0.0000 | 84.012 | 0.03361 | 0.00000 | 316523.1 | 215782.6 | 100632.1 | S |
| 209.983 | 0.0000 | 0.0000 | 84.011 | 0.03361 | 0.00000 | 316523.1 | 215783.6 | 100632.1 | S |
| 209.992 | 0.0000 | 0.0000 | 84.011 | 0.03360 | 0.00000 | 316523.1 | 215784.6 | 100632.1 | S |
| 210.000 | 0.0000 | 0.0000 | 84.011 | 0.03360 | 0.00000 | 316523.1 | 215785.6 | 100632.1 | S |
| 210.008 | 0.0000 | 0.0000 | 84.011 | 0.03360 | 0.00000 | 316523.1 | 215786.6 | 100632.1 | S |
| 210.017 | 0.0000 | 0.0000 | 84.011 | 0.03359 | 0.00000 | 316523.1 | 215787.6 | 100632.1 | S |
| 210.025 | 0.0000 | 0.0000 | 84.011 | 0.03359 | 0.00000 | 316523.1 | 215788.6 | 100632.1 | S |
| 210.033 | 0.0000 | 0.0000 | 84.011 | 0.03359 | 0.00000 | 316523.1 | 215789.6 | 100632.1 | S |
| 210.042 | 0.0000 | 0.0000 | 84.011 | 0.03359 | 0.00000 | 316523.1 | 215790.7 | 100632.1 | S |
| 210.050 | 0.0000 | 0.0000 | 84.011 | 0.03358 | 0.00000 | 316523.1 | 215791.7 | 100632.1 | S |
| 210.058 | 0.0000 | 0.0000 | 84.010 | 0.03358 | 0.00000 | 316523.1 | 215792.7 | 100632.1 | S |
| 210.067 | 0.0000 | 0.0000 | 84.010 | 0.03358 | 0.00000 | 316523.1 | 215793.7 | 100632.1 | S |
| 210.075 | 0.0000 | 0.0000 | 84.010 | 0.03357 | 0.00000 | 316523.1 | 215794.7 | 100632.1 | S |
| 210.083 | 0.0000 | 0.0000 | 84.010 | 0.03357 | 0.00000 | 316523.1 | 215795.7 | 100632.1 | S |
| 210.092 | 0.0000 | 0.0000 | 84.010 | 0.03357 | 0.00000 | 316523.1 | 215796.7 | 100632.1 | S |
| 210.100 | 0.0000 | 0.0000 | 84.010 | 0.03357 | 0.00000 | 316523.1 | 215797.7 | 100632.1 | S |
| 210.108 | 0.0000 | 0.0000 | 84.010 | 0.03356 | 0.00000 | 316523.1 | 215798.7 | 100632.1 | S |
| 210.117 | 0.0000 | 0.0000 | 84.010 | 0.03356 | 0.00000 | 316523.1 | 215799.7 | 100632.1 | S |
| 210.125 | 0.0000 | 0.0000 | 84.010 | 0.03356 | 0.00000 | 316523.1 | 215800.7 | 100632.1 | S |
| 210.133 | 0.0000 | 0.0000 | 84.010 | 0.03355 | 0.00000 | 316523.1 | 215801.7 | 100632.1 | S |
| 210.142 | 0.0000 | 0.0000 | 84.009 | 0.03355 | 0.00000 | 316523.1 | 215802.7 | 100632.1 | S |
| 210.150 | 0.0000 | 0.0000 | 84.009 | 0.03355 | 0.00000 | 316523.1 | 215803.7 | 100632.1 | S |
| 210.158 | 0.0000 | 0.0000 | 84.009 | 0.03355 | 0.00000 | 316523.1 | 215804.8 | 100632.1 | S |
| 210.167 | 0.0000 | 0.0000 | 84.009 | 0.03354 | 0.00000 | 316523.1 | 215805.8 | 100632.1 | S |
| 210.175 | 0.0000 | 0.0000 | 84.009 | 0.03354 | 0.00000 | 316523.1 | 215806.8 | 100632.1 | S |
| 210.183 | 0.0000 | 0.0000 | 84.009 | 0.03354 | 0.00000 | 316523.1 | 215807.8 | 100632.1 | S |
| 210.192 | 0.0000 | 0.0000 | 84.009 | 0.03353 | 0.00000 | 316523.1 | 215808.8 | 100632.1 | S |
| 210.200 | 0.0000 | 0.0000 | 84.009 | 0.03353 | 0.00000 | 316523.1 | 215809.8 | 100632.1 | S |
| 210.208 | 0.0000 | 0.0000 | 84.009 | 0.03353 | 0.00000 | 316523.1 | 215810.8 | 100632.1 | S |
| 210.217 | 0.0000 | 0.0000 | 84.008 | 0.03353 | 0.00000 | 316523.1 | 215811.8 | 100632.1 | S |
| 210.225 | 0.0000 | 0.0000 | 84.008 | 0.03352 | 0.00000 | 316523.1 | 215812.8 | 100632.1 | S |
| 210.233 | 0.0000 | 0.0000 | 84.008 | 0.03352 | 0.00000 | 316523.1 | 215813.8 | 100632.1 | S |
| 210.242 | 0.0000 | 0.0000 | 84.008 | 0.03352 | 0.00000 | 316523.1 | 215814.8 | 100632.1 | S |
| 210.250 | 0.0000 | 0.0000 | 84.008 | 0.03351 | 0.00000 | 316523.1 | 215815.8 | 100632.1 | S |
| 210.258 | 0.0000 | 0.0000 | 84.008 | 0.03351 | 0.00000 | 316523.1 | 215816.8 | 100632.1 | S |
| 210.267 | 0.0000 | 0.0000 | 84.008 | 0.03351 | 0.00000 | 316523.1 | 215817.8 | 100632.1 | S |
| 210.275 | 0.0000 | 0.0000 | 84.008 | 0.03351 | 0.00000 | 316523.1 | 215818.8 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | inflow Rate (f $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 /} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 210.283 | 0.0000 | 0.0000 | 84.008 | 0.03350 | 0.00000 | 316523.1 | 215819.8 | 100632.1 | S |
| 210.292 | 0.0000 | 0.0000 | 84.007 | 0.03350 | 0.00000 | 316523.1 | 215820.8 | 100632.1 | S |
| 210.300 | 0.0000 | 0.0000 | 84.007 | 0.03350 | 0.00000 | 316523.1 | 215821.8 | 100632.1 | S |
| 210.308 | 0.0000 | 0.0000 | 84.007 | 0.03349 | 0.00000 | 316523.1 | 215822.8 | 100632.1 | S |
| 210.317 | 0.0000 | 0.0000 | 84.007 | 0.03349 | 0.00000 | 316523.1 | 215823.9 | 100632.1 | S |
| 210.325 | 0.0000 | 0.0000 | 84.007 | 0.03349 | 0.00000 | 316523.1 | 215824.9 | 100632.1 | S |
| 210.333 | 0.0000 | 0.0000 | 84.007 | 0.03349 | 0.00000 | 316523.1 | 215825.9 | 100632.1 | S |
| 210.342 | 0.0000 | 0.0000 | 84.007 | 0.03348 | 0.00000 | 316523.1 | 215826.9 | 100632.1 | S |
| 210.350 | 0.0000 | 0.0000 | 84.007 | 0.03348 | 0.00000 | 316523.1 | 215827.9 | 100632.1 | S |
| 210.358 | 0.0000 | 0.0000 | 84.007 | 0.03348 | 0.00000 | 316523.1 | 215828.9 | 100632.1 | S |
| 210.367 | 0.0000 | 0.0000 | 84.007 | 0.03347 | 0.00000 | 316523.1 | 215829.9 | 100632.1 | S |
| 210.375 | 0.0000 | 0.0000 | 84.006 | 0.03347 | 0.00000 | 316523.1 | 215830.9 | 100632.1 | S |
| 210.383 | 0.0000 | 0.0000 | 84.006 | 0.03347 | 0.00000 | 316523.1 | 215831.9 | 100632.1 | S |
| 210.392 | 0.0000 | 0.0000 | 84.006 | 0.03347 | 0.00000 | 316523.1 | 215832.9 | 100632.1 | S |
| 210.400 | 0.0000 | 0.0000 | 84.006 | 0.03346 | 0.00000 | 316523.1 | 215833.9 | 100632.1 | S |
| 210.408 | 0.0000 | 0.0000 | 84.006 | 0.03346 | 0.00000 | 316523.1 | 215834.9 | 100632.1 | S |
| 210.417 | 0.0000 | 0.0000 | 84.006 | 0.03346 | 0.00000 | 316523.1 | 215835.9 | 100632.1 | S |
| 210.425 | 0.0000 | 0.0000 | 84.006 | 0.03345 | 0.00000 | 316523.1 | 215836.9 | 100632.1 | S |
| 210.433 | 0.0000 | 0.0000 | 84.006 | 0.03345 | 0.00000 | 316523.1 | 215837.9 | 100632.1 | S |
| 210.442 | 0.0000 | 0.0000 | 84.006 | 0.03345 | 0.00000 | 316523.1 | 215838.9 | 100632.1 | S |
| 210.450 | 0.0000 | 0.0000 | 84.005 | 0.03345 | 0.00000 | 316523.1 | 215839.9 | 100632.1 | S |
| 210.458 | 0.0000 | 0.0000 | 84.005 | 0.03344 | 0.00000 | 316523.1 | 215840.9 | 100632.1 | S |
| 210.467 | 0.0000 | 0.0000 | 84.005 | 0.03344 | 0.00000 | 316523.1 | 215841.9 | 100632.1 | S |
| 210.475 | 0.0000 | 0.0000 | 84.005 | 0.03344 | 0.00000 | 316523.1 | 215842.9 | 100632.1 | S |
| 210.483 | 0.0000 | 0.0000 | 84.005 | 0.03343 | 0.00000 | 316523.1 | 215843.9 | 100632.1 | S |
| 210.492 | 0.0000 | 0.0000 | 84.005 | 0.03343 | 0.00000 | 316523.1 | 215844.9 | 100632.1 | S |
| 210.500 | 0.0000 | 0.0000 | 84.005 | 0.03343 | 0.00000 | 316523.1 | 215845.9 | 100632.1 | S |
| 210.508 | 0.0000 | 0.0000 | 84.005 | 0.03343 | 0.00000 | 316523.1 | 215846.9 | 100632.1 | S |
| 210.517 | 0.0000 | 0.0000 | 84.005 | 0.03342 | 0.00000 | 316523.1 | 215847.9 | 100632.1 | S |
| 210.525 | 0.0000 | 0.0000 | 84.004 | 0.03342 | 0.00000 | 316523.1 | 215848.9 | 100632.1 | S |
| 210.533 | 0.0000 | 0.0000 | 84.004 | 0.03342 | 0.00000 | 316523.1 | 215850.0 | 100632.1 | S |
| 210.542 | 0.0000 | 0.0000 | 84.004 | 0.03341 | 0.00000 | 316523.1 | 215851.0 | 100632.1 | S |
| 210.550 | 0.0000 | 0.0000 | 84.004 | 0.03341 | 0.00000 | 316523.1 | 215852.0 | 100632.1 | S |
| 210.558 | 0.0000 | 0.0000 | 84.004 | 0.03341 | 0.00000 | 316523.1 | 215853.0 | 100632.1 | S |
| 210.567 | 0.0000 | 0.0000 | 84.004 | 0.03341 | 0.00000 | 316523.1 | 215854.0 | 100632.1 | S |
| 210.575 | 0.0000 | 0.0000 | 84.004 | 0.03340 | 0.00000 | 316523.1 | 215855.0 | 100632.1 | S |
| 210.583 | 0.0000 | 0.0000 | 84.004 | 0.03340 | 0.00000 | 316523.1 | 215856.0 | 100632.1 | S |
| 210.592 | 0.0000 | 0.0000 | 84.004 | 0.03340 | 0.00000 | 316523.1 | 215857.0 | 100632.1 | S |
| 210.600 | 0.0000 | 0.0000 | 84.004 | 0.03339 | 0.00000 | 316523.1 | 215858.0 | 100632.1 | S |
| 210.608 | 0.0000 | 0.0000 | 84.003 | 0.03339 | 0.00000 | 316523.1 | 215859.0 | 100632.1 | S |
| 210.617 | 0.0000 | 0.0000 | 84.003 | 0.03339 | 0.00000 | 316523.1 | 215860.0 | 100632.1 | S |
| 210.625 | 0.0000 | 0.0000 | 84.003 | 0.03339 | 0.00000 | 316523.1 | 215861.0 | 100632.1 | S |
| 210.633 | 0.0000 | 0.0000 | 84.003 | 0.03338 | 0.00000 | 316523.1 | 215862.0 | 100632.1 | S |
| 210.642 | 0.0000 | 0.0000 | 84.003 | 0.03338 | 0.00000 | 316523.1 | 215863.0 | 100632.1 | S |
| 210.650 | 0.0000 | 0.0000 | 84.003 | 0.03338 | 0.00000 | 316523.1 | 215864.0 | 100632.1 | S |
| 210.658 | 0.0000 | 0.0000 | 84.003 | 0.03337 | 0.00000 | 316523.1 | 215865.0 | 100632.1 | S |
| 210.667 | 0.0000 | 0.0000 | 84.003 | 0.03337 | 0.00000 | 316523.1 | 215866.0 | 100632.1 | S |
| 210.675 | 0.0000 | 0.0000 | 84.003 | 0.03337 | 0.00000 | 316523.1 | 215867.0 | 100632.1 | S |
| 210.683 | 0.0000 | 0.0000 | 84.002 | 0.03337 | 0.00000 | 316523.1 | 215868.0 | 100632.1 | S |
| 210.692 | 0.0000 | 0.0000 | 84.002 | 0.03336 | 0.00000 | 316523.1 | 215869.0 | 100632.1 | S |
| 210.700 | 0.0000 | 0.0000 | 84.002 | 0.03336 | 0.00000 | 316523.1 | 215870.0 | 100632.1 | S |
| 210.708 | 0.0000 | 0.0000 | 84.002 | 0.03336 | 0.00000 | 316523.1 | 215871.0 | 100632.1 | S |
| 210.717 | 0.0000 | 0.0000 | 84.002 | 0.03335 | 0.00000 | 316523.1 | 215872.0 | 100632.1 | S |
| 210.725 | 0.0000 | 0.0000 | 84.002 | 0.03335 | 0.00000 | 316523.1 | 215873.0 | 100632.1 | S |
| 210.733 | 0.0000 | 0.0000 | 84.002 | 0.03335 | 0.00000 | 316523.1 | 215874.0 | 100632.1 | S |
| 210.742 | 0.0000 | 0.0000 | 84.002 | 0.03335 | 0.00000 | 316523.1 | 215875.0 | 100632.1 | S |
| 210.750 | 0.0000 | 0.0000 | 84.002 | 0.03334 | 0.00000 | 316523.1 | 215876.0 | 100632.1 | S |
| 210.758 | 0.0000 | 0.0000 | 84.002 | 0.03334 | 0.00000 | 316523.1 | 215877.0 | 100632.1 | S |
| 210.767 | 0.0000 | 0.0000 | 84.001 | 0.03334 | 0.00000 | 316523.1 | 215878.0 | 100632.1 | S |
| 210.775 | 0.0000 | 0.0000 | 84.001 | 0.03333 | 0.00000 | 316523.1 | 215879.0 | 100632.1 | S |
| 210.783 | 0.0000 | 0.0000 | 84.001 | 0.03333 | 0.00000 | 316523.1 | 215880.0 | 100632.1 | S |
| 210.792 | 0.0000 | 0.0000 | 84.001 | 0.03333 | 0.00000 | 316523.1 | 215881.0 | 100632.1 | S |
| 210.800 | 0.0000 | 0.0000 | 84.001 | 0.03333 | 0.00000 | 316523.1 | 215882.0 | 100632.1 | S |
| 210.808 | 0.0000 | 0.0000 | 84.001 | 0.03332 | 0.00000 | 316523.1 | 215883.0 | 100632.1 | S |
| 210.817 | 0.0000 | 0.0000 | 84.001 | 0.03332 | 0.00000 | 316523.1 | 215884.0 | 100632.1 | S |
| 210.825 | 0.0000 | 0.0000 | 84.001 | 0.03332 | 0.00000 | 316523.1 | 215885.0 | 100632.1 | S |
| 210.833 | 0.0000 | 0.0000 | 84.001 | 0.03331 | 0.00000 | 316523.1 | 215886.0 | 100632.1 | S |
| 210.842 | 0.0000 | 0.0000 | 84.000 | 0.03331 | 0.00000 | 316523.1 | 215887.0 | 100632.1 | S |
| 210.850 | 0.0000 | 0.0000 | 84.000 | 0.03331 | 0.00000 | 316523.1 | 215888.0 | 100632.1 | S |
| 210.858 | 0.0000 | 0.0000 | 84.000 | 0.03331 | 0.00000 | 316523.1 | 215889.0 | 100632.1 | S |
| 210.867 | 0.0000 | 0.0000 | 84.000 | 0.03301 | 0.00000 | 316523.1 | 215890.0 | 100632.1 | S |
| 210.875 | 0.0000 | 0.0000 | 84.000 | 0.01635 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 210.883 | 0.0000 | 0.0000 | 84.000 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 210.892 | 0.0000 | 0.0000 | 84.000 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |

# PONDS Version 3.2.0207 

Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont, d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Outside Recharge (fv/day) | Stage Elevation (f datum) | Infiltration Rate ( $\mathrm{fl}^{3 / 5} \mathrm{~s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volurne ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume (ft ${ }^{3}$ ) | $\begin{aligned} & \text { Flow } \\ & \text { Type } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 210.900 | 0.0000 | 0.0000 | 84.000 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 210.908 | 0.0000 | 0.0000 | 84.000 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 210.917 | 0.0000 | 0.0000 | 84.000 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 210.925 | 0.0000 | 0.0000 | 83.999 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 210.933 | 0.0000 | 0.0000 | 83.999 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 210.942 | 0.0000 | 0.0000 | 83.999 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 210.950 | 0.0000 | 0.0000 | 83.999 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 210.958 | 0.0000 | 0.0000 | 83.999 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 210.967 | 0.0000 | 0.0000 | 83.999 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 210.975 | 0.0000 | 0.0000 | 83.999 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 210.983 | 0.0000 | 0.0000 | 83.999 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 210.992 | 0.0000 | 0.0000 | 83.999 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.000 | 0.0000 | 0.0000 | 83.999 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.008 | 0.0000 | 0.0000 | 83.999 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.017 | 0.0000 | 0.0000 | 83.998 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.025 | 0.0000 | 0.0000 | 83.998 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.033 | 0.0000 | 0.0000 | 83.998 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.042 | 0.0000 | 0.0000 | 83.998 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.050 | 0.0000 | 0.0000 | 83.998 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.058 | 0.0000 | 0.0000 | 83.998 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.067 | 0.0000 | 0.0000 | 83.998 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.075 | 0.0000 | 0.0000 | 83.998 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.083 | 0.0000 | 0.0000 | 83.998 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.092 | 0.0000 | 0.0000 | 83.998 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.100 | 0.0000 | 0.0000 | 83.998 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.108 | 0.0000 | 0.0000 | 83.997 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.117 | 0.0000 | 0.0000 | 83.997 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.125 | 0.0000 | 0.0000 | 83.997 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.133 | 0.0000 | 0.0000 | 83.997 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.142 | 0.0000 | 0.0000 | 83.997 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.150 | 0.0000 | 0.0000 | 83.997 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.158 | 0.0000 | 0.0000 | 83.997 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.167 | 0.0000 | 0.0000 | 83.997 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.175 | 0.0000 | 0.0000 | 83.997 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.183 | 0.0000 | 0.0000 | 83.997 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.192 | 0.0000 | 0.0000 | 83.997 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.200 | 0.0000 | 0.0000 | 83.996 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.208 | 0.0000 | 0.0000 | 83.996 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.217 | 0.0000 | 0.0000 | 83.996 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.225 | 0.0000 | 0.0000 | 83.996 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.233 | 0.0000 | 0.0000 | 83.996 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.242 | 0.0000 | 0.0000 | 83.996 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.250 | 0.0000 | 0.0000 | 83.996 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.258 | 0.0000 | 0.0000 | 83.996 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.267 | 0.0000 | 0.0000 | 83.996 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.275 | 0.0000 | 0.0000 | 83.996 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.283 | 0.0000 | 0.0000 | 83.996 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.292 | 0.0000 | 0.0000 | 83.995 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.300 | 0.0000 | 0.0000 | 83.995 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.308 | 0.0000 | 0.0000 | 83.995 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.317 | 0.0000 | 0.0000 | 83.995 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.325 | 0.0000 | 0.0000 | 83.995 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.333 | 0.0000 | 0.0000 | 83.995 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.342 | 0.0000 | 0.0000 | 83.995 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.350 | 0.0000 | 0.0000 | 83.995 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.358 | 0.0000 | 0.0000 | 83.995 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.367 | 0.0000 | 0.0000 | 83.995 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.375 | 0.0000 | 0.0000 | 83.995 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.383 | 0.0000 | 0.0000 | 83.994 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.392 | 0.0000 | 0.0000 | 83.994 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.400 | 0.0000 | 0.0000 | 83.994 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.408 | 0.0000 | 0.0000 | 83.994 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.417 | 0.0000 | 0.0000 | 83.994 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.425 | 0.0000 | 0.0000 | 83.994 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.433 | 0.0000 | 0.0000 | 83.994 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.442 | 0.0000 | 0.0000 | 83.994 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.450 | 0.0000 | 0.0000 | 83.994 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.458 | 0.0000 | 0.0000 | 83.994 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.467 | 0.0000 | 0.0000 | 83.993 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.475 | 0.0000 | 0.0000 | 83.993 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.483 | 0.0000 | 0.0000 | 83.993 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.492 | 0.0000 | 0.0000 | 83.993 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632,1 | S |
| 211.500 | 0.0000 | 0.0000 | 83.993 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.508 | 0.0000 | 0.0000 | 83.993 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/overflow

| Elapsed Time (hours) | inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (it datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overfiow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Votume ( $\mathrm{r}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 211.517 | 0.0000 | 0.0000 | 83.993 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.525 | 0.0000 | 0.0000 | 83.993 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.533 | 0.0000 | 0.0000 | 83.993 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.542 | 0.0000 | 0.0000 | 83.993 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.550 | 0.0000 | 0.0000 | 83.993 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.558 | 0.0000 | 0.0000 | 83.992 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.4 | S |
| 211.567 | 0.0000 | 0.0000 | 83.992 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.575 | 0.0000 | 0.0000 | 83.992 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.583 | 0.0000 | 0.0000 | 83.992 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.592 | 0.0000 | 0.0000 | 83.992 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.600 | 0.0000 | 0.0000 | 83.992 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.608 | 0.0000 | 0.0000 | 83.992 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.617 | 0.0000 | 0.0000 | 83.992 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.625 | 0.0000 | 0.0000 | 83.992 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.633 | 0.0000 | 0.0000 | 83.992 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.642 | 0.0000 | 0.0000 | 83.992 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.650 | 0.0000 | 0.0000 | 83.991 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.658 | 0.0000 | 0.0000 | 83.991 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.667 | 0.0000 | 0.0000 | 83.991 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.675 | 0.0000 | 0.0000 | 83.991 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.683 | 0.0000 | 0.0000 | 83.991 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.692 | 0.0000 | 0.0000 | 83.991 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.700 | 0.0000 | 0.0000 | 83.991 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.708 | 0.0000 | 0.0000 | 83.991 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.717 | 0.0000 | 0.0000 | 83.991 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.725 | 0.0000 | 0.0000 | 83.991 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.733 | 0.0000 | 0.0000 | 83.991 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.742 | 0.0000 | 0.0000 | 83.990 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.750 | 0.0000 | 0.0000 | 83.990 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.758 | 0.0000 | 0.0000 | 83.990 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.767 | 0.0000 | 0.0000 | 83.990 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.775 | 0.0000 | 0.0000 | 83.990 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.783 | 0.0000 | 0.0000 | 83.990 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.792 | 0.0000 | 0.0000 | 83.990 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.800 | 0.0000 | 0.0000 | 83.990 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.808 | 0.0000 | 0.0000 | 83.990 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.817 | 0.0000 | 0.0000 | 83.990 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.825 | 0.0000 | 0.0000 | 83.990 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.833 | 0.0000 | 0.0000 | 83.989 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.842 | 0.0000 | 0.0000 | 83.989 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.850 | 0.0000 | 0.0000 | 83.989 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.858 | 0.0000 | 0.0000 | 83.989 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.867 | 0.0000 | 0.0000 | 83.989 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.875 | 0.0000 | 0.0000 | 83.989 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.883 | 0.0000 | 0.0000 | 83.989 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.892 | 0.0000 | 0.0000 | 83.989 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.900 | 0.0000 | 0.0000 | 83.989 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.908 | 0.0000 | 0.0000 | 83.989 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.917 | 0.0000 | 0.0000 | 83.989 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.925 | 0.0000 | 0.0000 | 83.988 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.933 | 0.0000 | 0.0000 | 83.988 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.942 | 0.0000 | 0.0000 | 83.988 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.950 | 0.0000 | 0.0000 | 83.988 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.958 | 0.0000 | 0.0000 | 83.988 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.967 | 0.0000 | 0.0000 | 83.988 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.975 | 0.0000 | 0.0000 | 83.988 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.983 | 0.0000 | 0.0000 | 83.988 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 211.992 | 0.0000 | 0.0000 | 83.988 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.000 | 0.0000 | 0.0000 | 83.988 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.008 | 0.0000 | 0.0000 | 83.988 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.017 | 0.0000 | 0.0000 | 83.987 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.025 | 0.0000 | 0.0000 | 83.987 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.033 | 0.0000 | 0.0000 | 83.987 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.042 | 0.0000 | 0.0000 | 83.987 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.050 | 0.0000 | 0.0000 | 83.987 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.058 | 0.0000 | 0.0000 | 83.987 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.067 | 0.0000 | 0.0000 | 83.987 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.075 | 0.0000 | 0.0000 | 83.987 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.083 | 0.0000 | 0.0000 | 83.987 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.092 | 0.0000 | 0.0000 | 83.987 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.100 | 0.0000 | 0.0000 | 83.987 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.108 | 0.0000 | 0.0000 | 83.986 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.117 | 0.0000 | 0.0000 | 83.986 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.125 | 0.0000 | 0.0000 | 83.986 | 0.00000 | 0.00000 | $3\} 6523.1$ | 215891.0 | 100632.1 | S |

PONDS Version 3.2.0207

Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Infiow <br> Rate <br> ( $\mathrm{nt}^{3 / \mathrm{s}}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 212.133 | 0.0000 | 0.0000 | 83.986 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.142 | 0.0000 | 0.0000 | 83.986 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.150 | 0.0000 | 0.0000 | 83.986 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.158 | 0.0000 | 0.0000 | 83.986 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.167 | 0.0000 | 0.0000 | 83.986 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.175 | 0.0000 | 0.0000 | 83.986 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.183 | 0.0000 | 0.0000 | 83.986 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.192 | 0.0000 | 0.0000 | 83.985 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.200 | 0.0000 | 0.0000 | 83.985 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.208 | 0.0000 | 0.0000 | 83.985 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.217 | 0.0000 | 0.0000 | 83.985 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.225 | 0.0000 | 0.0000 | 83.985 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.233 | 0.0000 | 0.0000 | 83.985 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.242 | 0.0000 | 0.0000 | 83.985 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.250 | 0.0000 | 0.0000 | 83.985 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.258 | 0.0000 | 0.0000 | 83.985 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.267 | 0.0000 | 0.0000 | 83.985 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.275 | 0.0000 | 0.0000 | 83.985 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.283 | 0.0000 | 0.0000 | 83.984 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.292 | 0.0000 | 0.0000 | 83.984 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.300 | 0.0000 | 0.0000 | 83.984 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.308 | 0.0000 | 0.0000 | 83.984 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.317 | 0.0000 | 0.0000 | 83.984 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.325 | 0.0000 | 0.0000 | 83.984 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.333 | 0.0000 | 0.0000 | 83.984 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.342 | 0.0000 | 0.0000 | 83.984 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.350 | 0.0000 | 0.0000 | 83.984 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.358 | 0.0000 | 0.0000 | 83.984 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.367 | 0.0000 | 0.0000 | 83.984 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.375 | 0.0000 | 0.0000 | 83.983 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.383 | 0.0000 | 0.0000 | 83.983 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.392 | 0.0000 | 0.0000 | 83.983 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.400 | 0.0000 | 0.0000 | 83,983 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.408 | 0.0000 | 0.0000 | 83.983 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.417 | 0.0000 | 0.0000 | 83.983 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.425 | 0.0000 | 0.0000 | 83.983 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.433 | 0.0000 | 0.0000 | 83.983 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.442 | 0.0000 | 0.0000 | 83.983 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.450 | 0.0000 | 0.0000 | 83.983 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.458 | 0.0000 | 0.0000 | 83.983 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.467 | 0.0000 | 0.0000 | 83.982 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.475 | 0.0000 | 0.0000 | 83.982 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.4 | S |
| 212.483 | 0.0000 | 0.0000 | 83.982 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.492 | 0.0000 | 0.0000 | 83.982 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.500 | 0.0000 | 0.0000 | 83.982 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.508 | 0.0000 | 0.0000 | 83.982 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.517 | 0.0000 | 0.0000 | 83.982 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.525 | 0.0000 | 0.0000 | 83.982 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.533 | 0.0000 | 0.0000 | 83.982 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.542 | 0.0000 | 0.0000 | 83.982 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.550 | 0.0000 | 0.0000 | 83.982 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.558 | 0.0000 | 0.0000 | 83.981 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.567 | 0.0000 | 0.0000 | 83.981 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.575 | 0.0000 | 0.0000 | 83.981 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.583 | 0.0000 | 0.0000 | 83.981 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.592 | 0.0000 | 0.0000 | 83.981 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.600 | 0.0000 | 0.0000 | 83.981 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.608 | 0.0000 | 0.0000 | 83.981 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.617 | 0.0000 | 0.0000 | 83.981 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.625 | 0.0000 | 0.0000 | 83.981 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.633 | 0.0000 | 0.0000 | 83.981 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.642 | 0.0000 | 0.0000 | 83.981 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212,650 | 0.0000 | 0.0000 | 83.980 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.658 | 0.0000 | 0.0000 | 83.980 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.667 | 0.0000 | 0.0000 | 83.980 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.675 | 0.0000 | 0.0000 | 83.980 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.683 | 0.0000 | 0.0000 | 83.980 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.692 | 0.0000 | 0.0000 | 83.980 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.700 | 0.0000 | 0.0000 | 83.980 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.708 | 0.0000 | 0.0000 | 83.980 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.717 | 0.0000 | 0.0000 | 83.980 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.725 | 0.0000 | 0.0000 | 83.980 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.733 | 0.0000 | 0.0000 | 83.980 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.742 | 0.0000 | 0.0000 | 83.979 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (f/day) | Stage Elevation (fl datum) | infiltration Rate ( $\mathrm{n}^{3 / 3}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 212.750 | 0.0000 | 0.0000 | 83.979 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.758 | 0.0000 | 0.0000 | 83.979 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.767 | 0.0000 | 0.0000 | 83.979 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.775 | 0.0000 | 0.0000 | 83.979 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.783 | 0.0000 | 0.0000 | 83.979 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.792 | 0.0000 | 0.0000 | 83.979 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.800 | 0.0000 | 0.0000 | 83.979 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.808 | 0.0000 | 0.0000 | 83.979 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.817 | 0.0000 | 0.0000 | 83.979 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.825 | 0.0000 | 0.0000 | 83.978 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.833 | 0.0000 | 0.0000 | 83.978 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.842 | 0.0000 | 0.0000 | 83.978 | 0.00000 | 0,00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.850 | 0.0000 | 0.0000 | 83.978 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.858 | 0.0000 | 0.0000 | 83.978 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.867 | 0.0000 | 0.0000 | 83.978 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.875 | 0.0000 | 0.0000 | 83.978 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.883 | 0.0000 | 0.0000 | 83.978 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.892 | 0.0000 | 0.0000 | 83.978 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.900 | 0.0000 | 0.0000 | 83.978 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.908 | 0.0000 | 0.0000 | 83.978 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.917 | 0.0000 | 0.0000 | 83.977 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.925 | 0.0000 | 0.0000 | 83.977 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.933 | 0.0000 | 0.0000 | 83.977 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.942 | 0.0000 | 0.0000 | 83.977 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.950 | 0.0000 | 0.0000 | 83.977 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.958 | 0.0000 | 0.0000 | 83.977 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.967 | 0.0000 | 0.0000 | 83.977 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.975 | 0.0000 | 0.0000 | 83.977 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.983 | 0.0000 | 0.0000 | 83.977 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 212.992 | 0.0000 | 0.0000 | 83.977 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | 5 |
| 213.000 | 0.0000 | 0.0000 | 83.977 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.008 | 0.0000 | 0.0000 | 83.976 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.017 | 0.0000 | 0.0000 | 83.976 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.025 | 0.0000 | 0.0000 | 83.976 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | 5 |
| 213.033 | 0.0000 | 0.0000 | 83.976 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.042 | 0.0000 | 0.0000 | 83.976 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.050 | 0.0000 | 0.0000 | 83.976 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.058 | 0.0000 | 0.0000 | 83.976 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.067 | 0.0000 | 0.0000 | 83.976 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.075 | 0.0000 | 0.0000 | 83.976 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.083 | 0.0000 | 0.0000 | 83.976 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.092 | 0.0000 | 0.0000 | 83.976 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.100 | 0.0000 | 0.0000 | 83.975 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.108 | 0.0000 | 0.0000 | 83.975 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.117 | 0.0000 | 0.0000 | 83.975 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.125 | 0.0000 | 0.0000 | 83.975 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.133 | 0.0000 | 0.0000 | 83.975 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.142 | 0.0000 | 0.0000 | 83.975 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.150 | 0.0000 | 0.0000 | 83.975 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.158 | 0.0000 | 0.0000 | 83.975 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.167 | 0.0000 | 0.0000 | 83.975 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.175 | 0.0000 | 0.0000 | 83.975 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.183 | 0.0000 | 0.0000 | 83.975 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.192 | 0.0000 | 0.0000 | 83.974 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.200 | 0.0000 | 0.0000 | 83.974 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.208 | 0.0000 | 0.0000 | 83.974 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.217 | 0.0000 | 0.0000 | 83.974 | 0.00000 | 0.00000 | $3 \uparrow 6523.1$ | 215891.0 | 100632.1 | S |
| 213.225 | 0.0000 | 0.0000 | 83.974 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.233 | 0.0000 | 0.0000 | 83.974 | 0.00000 | 0.00000 | $3 \uparrow 6523.1$ | 215891.0 | 100632.1 | S |
| 213.242 | 0.0000 | 0.0000 | 83.974 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.250 | 0.0000 | 0.0000 | 83.974 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.258 | 0.0000 | 0.0000 | 83.974 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.267 | 0.0000 | 0.0000 | 83.974 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.275 | 0.0000 | 0.0000 | 83.974 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | 5 |
| 213.283 | 0.0000 | 0.0000 | 83.973 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.292 | 0.0000 | 0.0000 | 83.973 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.300 | 0.0000 | 0.0000 | 83.973 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.308 | 0.0000 | 0.0000 | 83.973 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.317 | 0.0000 | 0.0000 | 83.973 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.325 | 0.0000 | 0.0000 | 83.973 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.333 | 0.0000 | 0.0000 | 83.973 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.342 | 0.0000 | 0.0000 | 83.973 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.350 | 0.0000 | 0.0000 | 83.973 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.358 | 0.0000 | 0.0000 | 83.973 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (fi/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f} \mathrm{t}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ff}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 213.367 | 0.0000 | 0.0000 | 83.973 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.375 | 0.0000 | 0.0000 | 83.972 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.383 | 0.0000 | 0.0000 | 83.972 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.392 | 0.0000 | 0.0000 | 83.972 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.400 | 0.0000 | 0.0000 | 83.972 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.408 | 0.0000 | 0.0000 | 83.972 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.417 | 0.0000 | 0.0000 | 83.972 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.425 | 0.0000 | 0.0000 | 83.972 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.433 | 0.0000 | 0.0000 | 83.972 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.442 | 0.0000 | 0.0000 | 83.972 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.450 | 0.0000 | 0.0000 | 83.972 | 0.00000 | 0.00000 | $3 \uparrow 6523.1$ | 215891.0 | 100632.1 | S |
| 213.458 | 0.0000 | 0.0000 | 83.972 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.467 | 0.0000 | 0.0000 | 83.971 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.475 | 0.0000 | 0.0000 | 83.971 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.483 | 0.0000 | 0.0000 | 83.971 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.492 | 0.0000 | 0.0000 | 83.971 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.500 | 0.0000 | 0.0000 | 83.971 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.508 | 0.0000 | 0.0000 | 83.971 | 0.00000 | 0.00000 | 3$\ddagger 6523.1$ | 215891.0 | 100632.1 | S |
| 213.517 | 0.0000 | 0.0000 | 83.971 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.525 | 0.0000 | 0.0000 | 83.971 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.533 | 0.0000 | 0.0000 | 83.971 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.542 | 0.0000 | 0.0000 | 83.971 | 0.00000 | 0.00000 | $3 \ddagger 6523.1$ | 215891.0 | 100632.1 | S |
| 213.550 | 0.0000 | 0.0000 | 83.970 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.558 | 0.0000 | 0.0000 | 83.970 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.567 | 0.0000 | 0.0000 | 83.970 | 0.00000 | 0.00000 | 376523.1 | 215891.0 | 100632.1 | S |
| 213.575 | 0.0000 | 0.0000 | 83.970 | 0.00000 | 0.00000 | 376523.1 | 215891.0 | 100632.1 | S |
| 213.583 | 0.0000 | 0.0000 | 83.970 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.592 | 0.0000 | 0.0000 | 83.970 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.600 | 0.0000 | 0.0000 | 83.970 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.608 | 0.0000 | 0.0000 | 83.970 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.617 | 0.0000 | 0.0000 | 83.970 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.625 | 0.0000 | 0.0000 | 83.970 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.7 | S |
| 213.633 | 0.0000 | 0.0000 | 83.970 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632. 1 | S |
| 213.642 | 0.0000 | 0.0000 | 83.969 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.650 | 0.0000 | 0.0000 | 83.969 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.658 | 0.0000 | 0.0000 | 83.869 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.667 | 0.0000 | 0.0000 | 83.969 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.675 | 0.0000 | 0.0000 | 83.969 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.683 | 0.0000 | 0.0000 | 83.969 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.692 | 0.0000 | 0.0000 | 83.969 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.700 | 0.0000 | 0.0000 | 83.969 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.708 | 0.0000 | 0.0000 | 83.969 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.717 | 0.0000 | 0.0000 | 83.969 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.725 | 0.0000 | 0.0000 | 83.969 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.733 | 0.0000 | 0.0000 | 83.968 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.742 | 0.0000 | 0.0000 | 83.968 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.750 | 0.0000 | 0.0000 | 83.968 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.758 | 0.0000 | 0.0000 | 83.968 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.767 | 0.0000 | 0.0000 | 83.968 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.775 | 0.0000 | 0.0000 | 83.968 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.783 | 0.0000 | 0.0000 | 83.968 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | 5 |
| 213.792 | 0.0000 | 0.0000 | 83.968 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.800 | 0.0000 | 0.0000 | 83.968 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.808 | 0.0000 | 0.0000 | 83.968 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.817 | 0.0000 | 0.0000 | 83.968 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.825 | 0.0000 | 0.0000 | 83.967 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.833 | 0.0000 | 0.0000 | 83.967 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | 5 |
| 213.842 | 0.0000 | 0.0000 | 83.967 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.850 | 0.0000 | 0.0000 | 83.967 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.858 | 0.0000 | 0.0000 | 83.967 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | 5 |
| 213.867 | 0.0000 | 0.0000 | 83.967 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.875 | 0.0000 | 0.0000 | 83.967 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.883 | 0.0000 | 0.0000 | 83.967 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | 5 |
| 213.892 | 0.0000 | 0.0000 | 83.967 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.900 | 0.0000 | 0.0000 | 83.967 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.908 | 0.0000 | 0.0000 | 83.967 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.917 | 0.0000 | 0.0000 | 83.966 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.925 | 0.0000 | 0.0000 | 83.966 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.933 | 0.0000 | 0.0000 | 83.966 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.942 | 0.0000 | 0.0000 | 83.966 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | 5 |
| 213.950 | 0.0000 | 0.0000 | 83.966 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.958 | 0.0000 | 0.0000 | 83.966 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.967 | 0.0000 | 0.0000 | 83.966 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.975 | 0.0000 | 0.0000 | 83.966 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |

PONDS Version 3.2.0207

Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3 / 3} \mathrm{~s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overfow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ff}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 213.983 | 0.0000 | 0.0000 | 83.966 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 213.992 | 0.0000 | 0.0000 | 83.966 | 0.00000 | 0.00000 | 316523.4 | 215891.0 | 100632.1 | S |
| 214.000 | 0.0000 | 0.0000 | 83.960 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.008 | 0.0000 | 0.0000 | 83.965 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.017 | 0.0000 | 0.0000 | 83.965 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.025 | 0.0000 | 0.0000 | 83.965 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.033 | 0.0000 | 0.0000 | 83.965 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.042 | 0.0000 | 0.0000 | 83.965 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.050 | 0.0000 | 0.0000 | 83.965 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.058 | 0.0000 | 0.0000 | 83.965 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.067 | 0.0000 | 0.0000 | 83.965 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.075 | 0.0000 | 0.0000 | 83.965 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.083 | 0.0000 | 0.0000 | 83.965 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.092 | 0.0000 | 0.0000 | 83.965 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.100 | 0.0000 | 0.0000 | 83.964 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.108 | 0.0000 | 0.0000 | 83.964 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.117 | 0.0000 | 0.0000 | 83.964 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.125 | 0.0000 | 0.0000 | 83.964 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.133 | 0.0000 | 0.0000 | 83.964 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.142 | 0.0000 | 0.0000 | 83.964 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.150 | 0.0000 | 0.0000 | 83.964 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.158 | 0.0000 | 0.0000 | 83.964 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.167 | 0.0000 | 0.0000 | 83.964 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.175 | 0.0000 | 0.0000 | 83.964 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.183 | 0.0000 | 0.0000 | 83.964 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.192 | 0.0000 | 0.0000 | 83.963 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.200 | 0.0000 | 0.0000 | 83.963 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.208 | 0.0000 | 0.0000 | 83.963 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.217 | 0.0000 | 0.0000 | 83.963 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.225 | 0.0000 | 0.0000 | 83.963 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.233 | 0.0000 | 0.0000 | 83.963 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.242 | 0.0000 | 0.0000 | 83.963 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.250 | 0.0000 | 0.0000 | 83.963 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.258 | 0.0000 | 0.0000 | 83.963 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.267 | 0.0000 | 0.0000 | 83.963 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.275 | 0.0000 | 0.0000 | 83.963 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.283 | 0.0000 | 0.0000 | 83.962 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.292 | 0.0000 | 0.0000 | 83.962 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.300 | 0.0000 | 0.0000 | 83.962 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.308 | 0.0000 | 0.0000 | 83.962 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.317 | 0.0000 | 0.0000 | 83.962 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.325 | 0.0000 | 0.0000 | 83.962 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.333 | 0.0000 | 0.0000 | 83.962 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.342 | 0.0000 | 0.0000 | 83.962 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.350 | 0.0000 | 0.0000 | 83.962 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.358 | 0.0000 | 0.0000 | 83.962 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.367 | 0.0000 | 0.0000 | 83.962 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.375 | 0.0000 | 0.0000 | 83.961 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.383 | 0.0000 | 0.0000 | 83.961 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.392 | 0.0000 | 0.0000 | 83.961 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.400 | 0.0000 | 0.0000 | 83.961 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.408 | 0.0000 | 0.0000 | 83.961 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.417 | 0.0000 | 0.0000 | 83.961 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.425 | 0.0000 | 0.0000 | 83.961 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.433 | 0.0000 | 0.0000 | 83.961 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.442 | 0.0000 | 0.0000 | 83.961 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.7 | S |
| 214.450 | 0.0000 | 0.0000 | 83.961 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.458 | 0.0000 | 0.0000 | 83.961 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.467 | 0.0000 | 0.0000 | 83.960 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.475 | 0.0000 | 0.0000 | 83.960 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.483 | 0.0000 | 0.0000 | 83.960 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.492 | 0.0000 | 0.0000 | 83.960 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.500 | 0.0000 | 0.0000 | 83.960 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.508 | 0.0000 | 0.0000 | 83.960 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.517 | 0.0000 | 0.0000 | 83.960 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.525 | 0.0000 | 0.0000 | 83.960 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.533 | 0.0000 | 0.0000 | 83.960 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.542 | 0.0000 | 0.0000 | 83.960 | 0.00000 | 0.00000 | 316523.4 | 215891.0 | 100632.1 | S |
| 214.550 | 0.0000 | 0.0000 | 83.960 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.558 | 0.0000 | 0.0000 | 83.959 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.567 | 0.0000 | 0.0000 | 83.959 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.575 | 0.0000 | 0.0000 | 83.959 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.583 | 0.0000 | 0.0000 | 83.959 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.592 | 0.0000 | 0.0000 | 83.959 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overfow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 214.600 | 0.0000 | 0.0000 | 83.959 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.608 | 0.0000 | 0.0000 | 83.959 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.617 | 0.0000 | 0.0000 | 83.959 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.625 | 0.0000 | 0.0000 | 83.959 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.633 | 0.0000 | 0.0000 | 83.959 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.642 | 0.0000 | 0.0000 | 83.958 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.650 | 0.0000 | 0.0000 | 83.958 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.658 | 0.0000 | 0.0000 | 83.958 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.667 | 0.0000 | 0.0000 | 83.958 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.675 | 0.0000 | 0.0000 | 83.958 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.683 | 0.0000 | 0.0000 | 83.958 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.692 | 0.0000 | 0.0000 | 83.958 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.700 | 0.0000 | 0.0000 | 83.958 | 0.00000 | 0.00000 | 316523.4 | 215891.0 | 100632.1 | S |
| 214.708 | 0.0000 | 0.0000 | 83.958 | 0.00000 | 0.00000 | 316523.4 | 215891.0 | 100632.1 | S |
| 214.717 | 0.0000 | 0.0000 | 83.958 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.725 | 0.0000 | 0.0000 | 83.958 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.733 | 0.0000 | 0.0000 | 83.957 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.742 | 0.0000 | 0.0000 | 83.957 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.750 | 0.0000 | 0.0000 | 83.957 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.758 | 0.0000 | 0.0000 | 83.957 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.767 | 0.0000 | 0.0000 | 83.957 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.775 | 0.0000 | 0.0000 | 83.957 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.783 | 0.0000 | 0.0000 | 83.957 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.792 | 0.0000 | 0.0000 | 83.957 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.800 | 0.0000 | 0.0000 | 83.957 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.808 | 0.0000 | 0.0000 | 83.957 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.817 | 0.0000 | 0.0000 | 83.957 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.825 | 0.0000 | 0.0000 | 83.956 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.833 | 0.0000 | 0.0000 | 83.956 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.842 | 0.0000 | 0.0000 | 83.956 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.850 | 0.0000 | 0.0000 | 83.956 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.858 | 0.0000 | 0.0000 | 83.956 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.867 | 0.0000 | 0.0000 | 83.956 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.875 | 0.0000 | 0.0000 | 83.956 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.883 | 0.0000 | 0.0000 | 83.956 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.892 | 0.0000 | 0.0000 | 83.956 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.900 | 0.0000 | 0.0000 | 83.956 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.908 | 0.0000 | 0.0000 | 83.956 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.917 | 0.0000 | 0.0000 | 83.955 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.925 | 0.0000 | 0.0000 | 83.955 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.933 | 0.0000 | 0.0000 | 83.955 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.942 | 0.0000 | 0.0000 | 83.955 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.950 | 0.0000 | 0.0000 | 83.955 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.958 | 0.0000 | 0.0000 | 83.955 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.967 | 0.0000 | 0.0000 | 83.955 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.975 | 0.0000 | 0.0000 | 83.955 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.983 | 0.0000 | 0.0000 | 83.955 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 214.992 | 0.0000 | 0.0000 | 83.955 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.000 | 0.0000 | 0.0000 | 83.955 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.008 | 0.0000 | 0.0000 | 83.954 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.017 | 0.0000 | 0.0000 | 83.954 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.025 | 0.0000 | 0.0000 | 83.954 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.033 | 0.0000 | 0.0000 | 83.954 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.042 | 0.0000 | 0.0000 | 83.954 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.050 | 0.0000 | 0.0000 | 83.954 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.058 | 0.0000 | 0.0000 | 83.954 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.067 | 0.0000 | 0.0000 | 83.954 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.075 | 0.0000 | 0.0000 | 83.954 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.083 | 0.0000 | 0.0000 | 83.954 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.092 | 0.0000 | 0.0000 | 83.954 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.100 | 0.0000 | 0.0000 | 83.953 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.108 | 0.0000 | 0.0000 | 83.953 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.117 | 0.0000 | 0.0000 | 83.953 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.125 | 0.0000 | 0.0000 | 83.953 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.133 | 0.0000 | 0.0000 | 83.953 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.142 | 0.0000 | 0.0000 | 83.953 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.150 | 0.0000 | 0.0000 | 83.953 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.158 | 0.0000 | 0.0000 | 83.953 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.167 | 0.0000 | 0.0000 | 83.953 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.175 | 0.0000 | 0.0000 | 83.953 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.183 | 0.0000 | 0.0000 | 83.953 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632. 7 | S |
| 215.192 | 0.0000 | 0.0000 | 83.952 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.200 | 0.0000 | 0.0000 | 83.952 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.208 | 0.0000 | 0.0000 | 83.952 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.

## Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | inflow Rate (ft ${ }^{1 / 5}$ ) | Outside <br> Recharge (fyday) | Stage Elevation (fl datum) | Enfiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{n}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ff}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{ff}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 215.217 | 0.0000 | 0.0000 | 83.952 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.225 | 0.0000 | 0.0000 | 83.952 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.233 | 0.0000 | 0.0000 | 83.952 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.242 | 0.0000 | 0.0000 | 83.952 | 0.00000 | 0.00000 | 316523.1 | 215891,0 | 100632.1 | S |
| 215.250 | 0.0000 | 0.0000 | 83.952 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.258 | 0.0000 | 0.0000 | 83.952 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.267 | 0.0000 | 0.0000 | 83.952 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.275 | 0.0000 | 0.0000 | 83.952 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.283 | 0.0000 | 0.0000 | 83.951 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.292 | 0.0000 | 0.0000 | 83.951 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.300 | 0.0000 | 0.0000 | 83.951 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.308 | 0.0000 | 0.0000 | 83.951 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.317 | 0.0000 | 0.0000 | 83.951 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.325 | 0.0000 | 0.0000 | 83.951 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.333 | 0.0000 | 0.0000 | 83.951 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.342 | 0.0000 | 0.0000 | 83.951 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.350 | 0.0000 | 0.0000 | 83.951 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.358 | 0.0000 | 0.0000 | 83.951 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.367 | 0.0000 | 0.0000 | 83.951 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.375 | 0.0000 | 0.0000 | 83.950 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.383 | 0.0000 | 0.0000 | 83.950 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.392 | 0.0000 | 0.0000 | 83.950 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.400 | 0.0000 | 0.0000 | 83.950 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.408 | 0.0000 | 0.0000 | 83.950 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.417 | 0.0000 | 0.0000 | 83.950 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.425 | 0.0000 | 0.0000 | 83.950 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.433 | 0.0000 | 0.0000 | 83.950 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.442 | 0.0000 | 0.0000 | 83.950 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.450 | 0.0000 | 0.0000 | 83.950 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.458 | 0.0000 | 0.0000 | 83.950 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.467 | 0.0000 | 0.0000 | 83.949 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.475 | 0.0000 | 0.0000 | 83.949 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.483 | 0.0000 | 0.0000 | 83.949 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.492 | 0.0000 | 0.0000 | 83.949 | 0.00000 | 0.00000 | 316523.9 | 215891.0 | 100632.1 | S |
| 215.500 | 0.0000 | 0.0000 | 83.949 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.508 | 0.0000 | 0.0000 | 83.949 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.517 | 0.0000 | 0.0000 | 83.949 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.525 | 0.0000 | 0.0000 | 83.949 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.533 | 0.0000 | 0.0000 | 83.949 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.542 | 0.0000 | 0.0000 | 83.949 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.550 | 0.0000 | 0.0000 | 83.949 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.558 | 0.0000 | 0.0000 | 83.948 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.567 | 0.0000 | 0.0000 | 83.948 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.575 | 0.0000 | 0.0000 | 83.948 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.583 | 0.0000 | 0.0000 | 83.948 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.592 | 0.0000 | 0.0000 | 83.948 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.600 | 0.0000 | 0.0000 | 83.948 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.608 | 0.0000 | 0.0000 | 83.948 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.617 | 0.0000 | 0.0000 | 83.948 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.625 | 0.0000 | 0.0000 | 83.948 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.633 | 0.0000 | 0.0000 | 83.948 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.642 | 0.0000 | 0.0000 | 83.948 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.650 | 0.0000 | 0.0000 | 83.947 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.658 | 0.0000 | 0.0000 | 83.947 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.667 | 0.0000 | 0.0000 | 83.947 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.675 | 0.0000 | 0.0000 | 83.947 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.683 | 0.0000 | 0.0000 | 83.947 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.692 | 0.0000 | 0.0000 | 83.947 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.700 | 0.0000 | 0.0000 | 83.947 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.708 | 0.0000 | 0.0000 | 83.947 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.717 | 0.0000 | 0.0000 | 83.947 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.725 | 0.0000 | 0.0000 | 83.947 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.733 | 0.0000 | 0.0000 | 83.947 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.742 | 0.0000 | 0.0000 | 83.946 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 700632.1 | S |
| 215.750 | 0.0000 | 0.0000 | 83.946 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.758 | 0.0000 | 0.0000 | 83.946 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.767 | 0.0000 | 0.0000 | 83.946 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.775 | 0.0000 | 0.0000 | 83.946 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.783 | 0.0000 | 0.0000 | 83.946 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.792 | 0.0000 | 0.0000 | 83.946 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.800 | 0.0000 | 0.0000 | 83.946 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.808 | 0.0000 | 0.0000 | 83.946 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.817 | 0.0000 | 0.0000 | 83.946 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.825 | 0.0000 | 0.0000 | 83.946 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method

## Copyright 2003

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (fU/day) | Stage Elevation (f. datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 215.833 | 0.0000 | 0.0000 | 83.945 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.842 | 0.0000 | 0.0000 | 83.945 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.850 | 0.0000 | 0.0000 | 83.945 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.858 | 0.0000 | 0.0000 | 83.945 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.867 | 0.0000 | 0.0000 | 83.945 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.875 | 0.0000 | 0.0000 | 83.945 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.883 | 0.0000 | 0.0000 | 83.945 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.892 | 0.0000 | 0.0000 | 83.945 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.900 | 0.0000 | 0.0000 | 83.945 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.908 | 0.0000 | 0.0000 | 83.945 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.917 | 0.0000 | 0.0000 | 83.945 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.925 | 0.0000 | 0.0000 | 83.944 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.933 | 0.0000 | 0.0000 | 83.944 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.942 | 0.0000 | 0.0000 | 83.944 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.950 | 0.0000 | 0.0000 | 83.944 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.958 | 0.0000 | 0.0000 | 83.944 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.967 | 0.0000 | 0.0000 | 83.944 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.975 | 0.0000 | 0.0000 | 83.944 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.983 | 0.0000 | 0.0000 | 83.944 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 215.992 | 0.0000 | 0.0000 | 83.944 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.000 | 0.0000 | 0.0000 | 83.944 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.008 | 0.0000 | 0.0000 | 83.944 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.017 | 0.0000 | 0.0000 | 83.943 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.025 | 0.0000 | 0.0000 | 83.943 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.033 | 0.0000 | 0.0000 | 83.943 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.042 | 0.0000 | 0.0000 | 83.943 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.050 | 0.0000 | 0.0000 | 83.943 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.058 | 0.0000 | 0.0000 | 83.943 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.067 | 0.0000 | 0.0000 | 83.943 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.075 | 0.0000 | 0.0000 | 83.943 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.083 | 0.0000 | 0.0000 | 83.943 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.092 | 0.0000 | 0.0000 | 83.943 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.100 | 0.0000 | 0.0000 | 83.943 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.108 | 0.0000 | 0.0000 | 83.942 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.117 | 0.0000 | 0.0000 | 83.942 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.125 | 0.0000 | 0.0000 | 83.942 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.133 | 0.0000 | 0.0000 | 83.942 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.142 | 0.0000 | 0.0000 | 83.942 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.150 | 0.0000 | 0.0000 | 83.942 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.158 | 0.0000 | 0.0000 | 83.942 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.167 | 0.0000 | 0.0000 | 83.942 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.175 | 0.0000 | 0.0000 | 83.942 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.183 | 0.0000 | 0.0000 | 83.942 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.192 | 0.0000 | 0.0000 | 83.942 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.200 | 0.0000 | 0.0000 | 83.941 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.208 | 0.0000 | 0.0000 | 83.941 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.217 | 0.0000 | 0.0000 | 83.941 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.225 | 0.0000 | 0.0000 | 83.941 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.233 | 0.0000 | 0.0000 | 83.941 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.242 | 0.0000 | 0.0000 | 83.941 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.250 | 0.0000 | 0.0000 | 83.941 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.258 | 0.0000 | 0.0000 | 83.941 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.267 | 0.0000 | 0.0000 | 83.941 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.275 | 0.0000 | 0.0000 | 83.941 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.283 | 0.0000 | 0.0000 | 83.941 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.292 | 0.0000 | 0.0000 | 83.940 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.300 | 0.0000 | 0.0000 | 83.940 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.308 | 0.0000 | 0.0000 | 83.940 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.317 | 0.0000 | 0.0000 | 83.940 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.325 | 0.0000 | 0.0000 | 83.940 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.333 | 0.0000 | 0.0000 | 83.940 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.342 | 0.0000 | 0.0000 | 83.940 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.350 | 0.0000 | 0.0000 | 83.940 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.358 | 0.0000 | 0.0000 | 83.940 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.367 | 0.0000 | 0.0000 | 83.940 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.375 | 0.0000 | 0.0000 | 83.940 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.383 | 0.0000 | 0.0000 | 83.939 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.392 | 0.0000 | 0.0000 | 83.939 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.400 | 0.0000 | 0.0000 | 83.939 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.408 | 0.0000 | 0.0000 | 83.939 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.417 | 0.0000 | 0.0000 | 83.939 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.425 | 0.0000 | 0.0000 | 83.939 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.433 | 0.0000 | 0.0000 | 83.939 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.442 | 0.0000 | 0.0000 | 83.939 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infittration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overfow Discharge ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{t}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 216.450 | 0.0000 | 0.0000 | 83.939 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.458 | 0.0000 | 0.0000 | 83.939 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.467 | 0.0000 | 0.0000 | 83.939 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.475 | 0.0000 | 0.0000 | 83.938 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.483 | 0.0000 | 0.0000 | 83.938 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.492 | 0.0000 | 0.0000 | 83.938 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.500 | 0.0000 | 0.0000 | 83.938 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.508 | 0.0000 | 0.0000 | 83.938 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.517 | 0.0000 | 0.0000 | 83.938 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.525 | 0.0000 | 0.0000 | 83.938 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.533 | 0.0000 | 0.0000 | 83.938 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.542 | 0.0000 | 0.0000 | 83.938 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.550 | 0.0000 | 0.0000 | 83.938 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.558 | 0.0000 | 0.0000 | 83.938 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.567 | 0.0000 | 0.0000 | 83.937 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.575 | 0.0000 | 0.0000 | 83.937 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.583 | 0.0000 | 0.0000 | 83.937 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.592 | 0.0000 | 0.0000 | 83.937 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.600 | 0.0000 | 0.0000 | 83.937 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.608 | 0.0000 | 0.0000 | 83.937 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.617 | 0.0000 | 0.0000 | 83.937 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.625 | 0.0000 | 0.0000 | 83.937 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.633 | 0.0000 | 0.0000 | 83.937 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.642 | 0.0000 | 0.0000 | 83.937 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.650 | 0.0000 | 0.0000 | 83.937 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.658 | 0.0000 | 0.0000 | 83.936 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.667 | 0.0000 | 0.0000 | 83.936 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.675 | 0.0000 | 0.0000 | 83.936 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.683 | 0.0000 | 0.0000 | 83.936 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.692 | 0.0000 | 0.0000 | 83.936 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.700 | 0.0000 | 0.0000 | 83.936 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.708 | 0.0000 | 0.0000 | 83.936 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.717 | 0.0000 | 0.0000 | 83.936 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.725 | 0.0000 | 0.0000 | 83.936 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.733 | 0.0000 | 0.0000 | 83.936 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.742 | 0.0000 | 0.0000 | 83.936 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.750 | 0.0000 | 0.0000 | 83.935 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.758 | 0.0000 | 0.0000 | 83.935 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.767 | 0.0000 | 0.0000 | 83.935 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.775 | 0.0000 | 0.0000 | 83.935 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.783 | 0.0000 | 0.0000 | 83.935 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.792 | 0.0000 | 0.0000 | 83.935 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.800 | 0.0000 | 0.0000 | 83.935 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.808 | 0.0000 | 0.0000 | 83.935 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | \$00632.1 | S |
| 216.817 | 0.0000 | 0.0000 | 83.935 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.825 | 0.0000 | 0.0000 | 83.935 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.833 | 0.0000 | 0.0000 | 83.935 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.842 | 0.0000 | 0.0000 | 83.934 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.850 | 0.0000 | 0.0000 | 83.934 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.858 | 0.0000 | 0.0000 | 83.934 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.867 | 0.0000 | 0.0000 | 83.934 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.875 | 0.0000 | 0.0000 | 83.934 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.883 | 0.0000 | 0.0000 | 83.934 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.892 | 0.0000 | 0.0000 | 83.934 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.900 | 0.0000 | 0.0000 | 83.934 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.908 | 0.0000 | 0.0000 | 83.934 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.917 | 0.0000 | 0.0000 | 83.934 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.925 | 0.0000 | 0.0000 | 83.934 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.933 | 0.0000 | 0.0000 | 83.933 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.942 | 0.0000 | 0.0000 | 83.933 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.950 | 0.0000 | 0.0000 | 83.933 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.958 | 0.0000 | 0.0000 | 83.933 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.967 | 0.0000 | 0.0000 | 83.933 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.975 | 0.0000 | 0.0000 | 83.933 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.983 | 0.0000 | 0.0000 | 83.933 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 216.992 | 0.0000 | 0.0000 | 83.933 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.000 | 0.0000 | 0.0000 | 83.933 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.008 | 0.0000 | 0.0000 | 83.933 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.017 | 0.0000 | 0.0000 | 83.933 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.025 | 0.0000 | 0.0000 | 83.932 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.033 | 0.0000 | 0.0000 | 83.932 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.042 | 0.0000 | 0.0000 | 83.932 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.050 | 0.0000 | 0.0000 | 83.932 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.058 | 0.0000 | 0.0000 | 83.932 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infitration Rate ( $\mathrm{t}^{3 / 3 / 5}$ ) | Overfiow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | $\begin{aligned} & \text { Cumulative } \\ & \text { Inflow } \\ & \text { Volume }\left(\mathrm{ft}^{3}\right) \end{aligned}$ | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 217.067 | 0.0000 | 0.0000 | 83.932 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.075 | 0.0000 | 0.0000 | 83.932 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.083 | 0.0000 | 0.0000 | 83.932 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.092 | 0.0000 | 0.0000 | 83.932 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.100 | 0.0000 | 0.0000 | 83.932 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.108 | 0.0000 | 0.0000 | 83.932 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.117 | 0.0000 | 0.0000 | 83.931 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.125 | 0.0000 | 0.0000 | 83.931 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.133 | 0.0000 | 0.0000 | 83.931 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.142 | 0.0000 | 0.0000 | 83.931 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.150 | 0.0000 | 0.0000 | 83.931 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.158 | 0.0000 | 0.0000 | 83.931 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.167 | 0.0000 | 0.0000 | 83.931 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.175 | 0.0000 | 0.0000 | 83.931 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.183 | 0.0000 | 0.0000 | 83.931 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.192 | 0.0000 | 0.0000 | 83.931 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.200 | 0.0000 | 0.0000 | 83.931 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.208 | 0.0000 | 0.0000 | 83.931 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.217 | 0.0000 | 0.0000 | 83.930 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.225 | 0.0000 | 0.0000 | 83.930 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.233 | 0.0000 | 0.0000 | 83.930 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.242 | 0.0000 | 0.0000 | 83.930 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.250 | 0.0000 | 0.0000 | 83.930 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.258 | 0.0000 | 0.0000 | 83.930 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.267 | 0.0000 | 0.0000 | 83.930 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.275 | 0.0000 | 0.0000 | 83.930 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.283 | 0.0000 | 0.0000 | 83.930 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.292 | 0.0000 | 0.0000 | 83.930 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.300 | 0.0000 | 0.0000 | 83.930 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.308 | 0.0000 | 0.0000 | 83.929 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.317 | 0.0000 | 0.0000 | 83.929 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.325 | 0.0000 | 0.0000 | 83.929 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.333 | 0.0000 | 0.0000 | 83.929 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.342 | 0.0000 | 0.0000 | 83.929 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.350 | 0.0000 | 0.0000 | 83.929 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.358 | 0.0000 | 0.0000 | 83.929 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.367 | 0.0000 | 0.0000 | 83.929 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.375 | 0.0000 | 0.0000 | 83.929 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.383 | 0.0000 | 0.0000 | 83.929 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.4 | S |
| 217.392 | 0.0000 | 0.0000 | 83.929 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.3 | S |
| 217.400 | 0.0000 | 0.0000 | 83.928 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.408 | 0.0000 | 0.0000 | 83.928 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.417 | 0.0000 | 0.0000 | 83.928 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.425 | 0.0000 | 0.0000 | 83.928 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.433 | 0.0000 | 0.0000 | 83.928 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.442 | 0.0000 | 0.0000 | 83.928 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.450 | 0.0000 | 0.0000 | 83.928 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.458 | 0.0000 | 0.0000 | 83.928 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.467 | 0.0000 | 0.0000 | 83.928 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.475 | 0.0000 | 0.0000 | 83.928 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.483 | 0.0000 | 0.0000 | 83.928 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.492 | 0.0000 | 0.0000 | 83.927 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.500 | 0.0000 | 0.0000 | 83.927 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.508 | 0.0000 | 0.0000 | 83.927 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.517 | 0.0000 | 0.0000 | 83.927 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.525 | 0.0000 | 0.0000 | 83.927 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.533 | 0.0000 | 0.0000 | 83.927 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.542 | 0.0000 | 0.0000 | 83.927 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.550 | 0.0000 | 0.0000 | 83.927 | 0.00000 | 0.00000 | $3 ¢ 6523.1$ | 215891.0 | 100632.1 | S |
| 217.558 | 0.0000 | 0.0000 | 83.927 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.567 | 0.0000 | 0.0000 | 83.927 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.575 | 0.0000 | 0.0000 | 83.927 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.583 | 0.0000 | 0.0000 | 83.926 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.592 | 0.0000 | 0.0000 | 83.926 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.600 | 0.0000 | 0.0000 | 83.926 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.608 | 0.0000 | 0.0000 | 83.926 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.617 | 0.0000 | 0.0000 | 83.926 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.4 | S |
| 217.625 | 0.0000 | 0.0000 | 83.926 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.633 | 0.0000 | 0.0000 | 83.926 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.642 | 0.0000 | 0.0000 | 83.926 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.650 | 0.0000 | 0.0000 | 83.926 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.658 | 0.0000 | 0.0000 | 83.926 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.667 | 0.0000 | 0.0000 | 83.926 | 0.00000 | 0.00000 | 316523.4 | 215891.0 | 100632.1 | S |
| 217.675 | 0.0000 | 0.0000 | 83.925 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |

Vista Landfill Redesign Iterim Design

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 /} \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $A^{3 / 3} / 5$ ) | Overlow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative infiow Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 217.683 | 0.0000 | 0.0000 | 83.925 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.692 | 0.0000 | 0.0000 | 83.925 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.700 | 0.0000 | 0.0000 | 83.925 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.708 | 0.0000 | 0.0000 | 83.925 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.717 | 0.0000 | 0.0000 | 83.925 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.725 | 0.0000 | 0.0000 | 83.925 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.733 | 0.0000 | 0.0000 | 83.925 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.742 | 0.0000 | 0.0000 | 83.925 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.750 | 0.0000 | 0.0000 | 83.925 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.758 | 0.0000 | 0.0000 | 83.925 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.767 | 0.0000 | 0.0000 | 83.924 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.775 | 0.0000 | 0.0000 | 83.924 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.783 | 0.0000 | 0.0000 | 83.924 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.792 | 0.0000 | 0.0000 | 83.924 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.800 | 0.0000 | 0.0000 | 83.924 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.808 | 0.0000 | 0.0000 | 83.924 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.817 | 0.0000 | 0.0000 | 83.924 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.825 | 0.0000 | 0.0000 | 83.924 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.833 | 0.0000 | 0.0000 | 83.924 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.842 | 0.0000 | 0.0000 | 83.924 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.850 | 0.0000 | 0.0000 | 83.924 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.858 | 0.0000 | 0.0000 | 83.923 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.867 | 0.0000 | 0.0000 | 83.923 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.875 | 0.0000 | 0.0000 | 83.923 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.883 | 0.0000 | 0.0000 | 83.923 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.892 | 0.0000 | 0.0000 | 83.923 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.900 | 0.0000 | 0.0000 | 83.923 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.908 | 0.0000 | 0.0000 | 83.923 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.917 | 0.0000 | 0.0000 | 83.923 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.925 | 0.0000 | 0.0000 | 83.923 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.933 | 0.0000 | 0.0000 | 83.923 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.942 | 0.0000 | 0.0000 | 83.923 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.950 | 0.0000 | 0.0000 | 83.922 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.958 | 0.0000 | 0.0000 | 83.922 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.967 | 0.0000 | 0.0000 | 83.922 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.975 | 0.0000 | 0.0000 | 83.922 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.983 | 0.0000 | 0.0000 | 83.922 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 217.992 | 0.0000 | 0.0000 | 83.922 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.000 | 0.0000 | 0.0000 | 83.922 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.008 | 0.0000 | 0.0000 | 83.922 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.017 | 0.0000 | 0.0000 | 83.922 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.025 | 0.0000 | 0.0000 | 83.922 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.033 | 0.0000 | 0.0000 | 83.922 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.042 | 0.0000 | 0.0000 | 83.921 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.050 | 0.0000 | 0.0000 | 83.921 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.058 | 0.0000 | 0.0000 | 83.921 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.067 | 0.0000 | 0.0000 | 83.921 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.075 | 0.0000 | 0.0000 | 83.921 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.083 | 0.0000 | 0.0000 | 83.921 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.7 | S |
| 218.092 | 0.0000 | 0.0000 | 83.921 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.100 | 0.0000 | 0.0000 | 83.921 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.108 | 0.0000 | 0.0000 | 83.921 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.117 | 0.0000 | 0.0000 | 83.921 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.125 | 0.0000 | 0.0000 | 83.921 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.133 | 0.0000 | 0.0000 | 83.920 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.142 | 0.0000 | 0.0000 | 83.920 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.150 | 0.0000 | 0.0000 | 83.920 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.158 | 0.0000 | 0.0000 | 83.920 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.167 | 0.0000 | 0.0000 | 83.920 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.175 | 0.0000 | 0.0000 | 83.920 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.183 | 0.0000 | 0.0000 | 83.920 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.192 | 0.0000 | 0.0000 | 83.920 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.200 | 0.0000 | 0.0000 | 83,920 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.208 | 0.0000 | 0.0000 | 83,920 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.217 | 0.0000 | 0.0000 | 83.920 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.225 | 0.0000 | 0.0000 | 83.920 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.233 | 0.0000 | 0.0000 | 83.919 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.242 | 0.0000 | 0.0000 | 83.919 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.250 | 0.0000 | 0.0000 | 83.919 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.258 | 0.0000 | 0.0000 | 83.919 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.267 | 0.0000 | 0.0000 | 83.919 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.275 | 0.0000 | 0.0000 | 83.919 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.283 | 0.0000 | 0.0000 | 83.919 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.292 | 0.0000 | 0.0000 | 83.919 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |

Vista Landfill Redesign Iterim Design

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (il datum) | Infiltration Rate (fi3/s) | Ovenlow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{5}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 218.300 | 0.0000 | 0.0000 | 83.919 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.308 | 0.0000 | 0.0000 | 83.919 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.317 | 0.0000 | 0.0000 | 83.919 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.325 | 0.0000 | 0.0000 | 83.918 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.333 | 0.0000 | 0.0000 | 83.918 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.342 | 0.0000 | 0.0000 | 83.918 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.350 | 0.0000 | 0.0000 | 83.918 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.358 | 0.0000 | 0.0000 | 83.918 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.367 | 0.0000 | 0.0000 | 83.918 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.375 | 0.0000 | 0.0000 | 83.918 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.383 | 0.0000 | 0.0000 | 83.918 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.392 | 0.0000 | 0.0000 | 83.918 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.400 | 0.0000 | 0.0000 | 83.918 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.408 | 0.0000 | 0.0000 | 83.918 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.417 | 0.0000 | 0.0000 | 83.917 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.425 | 0.0000 | 0.0000 | 83.917 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.433 | 0.0000 | 0.0000 | 83.917 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.442 | 0.0000 | 0.0000 | 83.917 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.450 | 0.0000 | 0.0000 | 83.917 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.4 | S |
| 218.458 | 0.0000 | 0.0000 | 83.917 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.4 | S |
| 218.467 | 0.0000 | 0.0000 | 83.917 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.475 | 0.0000 | 0.0000 | 83.917 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.483 | 0.0000 | 0.0000 | 83.917 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.492 | 0.0000 | 0.0000 | 83.917 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.500 | 0.0000 | 0.0000 | 83.917 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.508 | 0.0000 | 0.0000 | 83.916 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.517 | 0.0000 | 0.0000 | 83.916 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.525 | 0.0000 | 0.0000 | 83.916 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.533 | 0.0000 | 0.0000 | 83.916 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.542 | 0.0000 | 0.0000 | 83.916 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.550 | 0.0000 | 0.0000 | 83.916 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.558 | 0.0000 | 0.0000 | 83.916 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.567 | 0.0000 | 0.0000 | 83.916 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.575 | 0.0000 | 0.0000 | 83.916 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.583 | 0.0000 | 0.0000 | 83.916 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.592 | 0.0000 | 0.0000 | 83.916 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.600 | 0.0000 | 0.0000 | 83.915 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.608 | 0.0000 | 0.0000 | 83.915 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.617 | 0.0000 | 0.0000 | 83.975 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.625 | 0.0000 | 0.0000 | 83.915 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.633 | 0.0000 | 0.0000 | 83.915 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.642 | 0.0000 | 0.0000 | 83.915 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.650 | 0.0000 | 0.0000 | 83.915 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.658 | 0.0000 | 0.0000 | 83.915 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | \$00632.1 | S |
| 218.667 | 0.0000 | 0.0000 | 83.915 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.675 | 0.0000 | 0.0000 | 83.915 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.683 | 0.0000 | 0.0000 | 83.915 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.692 | 0.0000 | 0.0000 | 83.914 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.700 | 0.0000 | 0.0000 | 83.914 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.708 | 0.0000 | 0.0000 | 83.914 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.717 | 0.0000 | 0.0000 | 83.914 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.725 | 0.0000 | 0.0000 | 83.914 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.733 | 0.0000 | 0.0000 | 83.914 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.742 | 0.0000 | 0.0000 | 83.914 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.750 | 0.0000 | 0.0000 | 83.914 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.758 | 0.0000 | 0.0000 | 83.914 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.767 | 0.0000 | 0.0000 | 83.914 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.775 | 0.0000 | 0.0000 | 83.914 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.783 | 0.0000 | 0.0000 | 83.913 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.792 | 0.0000 | 0.0000 | 83.913 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.800 | 0.0000 | 0.0000 | 83.913 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.808 | 0.0000 | 0.0000 | 83.913 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.817 | 0.0000 | 0.0000 | 83.913 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.825 | 0.0000 | 0.0000 | 83.913 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.833 | 0.0000 | 0.0000 | 83.913 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.842 | 0.0000 | 0.0000 | 83.913 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.850 | 0.0000 | 0.0000 | 83.913 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.858 | 0.0000 | 0.0000 | 83.913 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.867 | 0.0000 | 0.0000 | 83.913 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.875 | 0.0000 | 0.0000 | 83.913 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.883 | 0.0000 | 0.0000 | 83.912 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.892 | 0.0000 | 0.0000 | 83.912 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.900 | 0.0000 | 0.0000 | 83.912 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.908 | 0.0000 | 0.0000 | 83.912 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| $\begin{aligned} & \text { Elapsed } \\ & \text { Time } \\ & \text { (hours) } \end{aligned}$ | Infiow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{t}^{3 / 1 / s}$ ) | Overflow <br> Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume (ft ${ }^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 218.917 | 0.0000 | 0.0000 | 83.912 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.925 | 0.0000 | 0.0000 | 83.912 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.933 | 0.0000 | 0.0000 | 83.912 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.942 | 0.0000 | 0.0000 | 83.912 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.950 | 0.0000 | 0.0000 | 83.912 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.958 | 0.0000 | 0.0000 | 83.912 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.967 | 0.0000 | 0.0000 | 83.912 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.975 | 0.0000 | 0.0000 | 83.911 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.983 | 0.0000 | 0.0000 | 83.911 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 218.992 | 0.0000 | 0.0000 | 83.911 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.000 | 0.0000 | 0.0000 | 83.911 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.008 | 0.0000 | 0.0000 | 83.911 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.017 | 0.0000 | 0.0000 | 83.911 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.025 | 0.0000 | 0.0000 | 83.911 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.033 | 0.0000 | 0.0000 | 83.911 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.042 | 0.0000 | 0.0000 | 83.911 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.050 | 0.0000 | 0.0000 | 83.911 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.058 | 0.0000 | 0.0000 | 83.911 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.067 | 0.0000 | 0.0000 | 83.910 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.075 | 0.0000 | 0.0000 | 83.910 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.083 | 0.0000 | 0.0000 | 83.910 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.092 | 0.0000 | 0.0000 | 83.910 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.100 | 0.0000 | 0.0000 | 83.910 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.108 | 0.0000 | 0.0000 | 83.910 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.117 | 0.0000 | 0.0000 | 83.910 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.125 | 0.0000 | 0.0000 | 83.910 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632. 1 | S |
| 219.133 | 0.0000 | 0.0000 | 83.910 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.142 | 0.0000 | 0.0000 | 83.910 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.150 | 0.0000 | 0.0000 | 83.910 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.158 | 0.0000 | 0.0000 | 83.909 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.167 | 0.0000 | 0.0000 | 83.909 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.175 | 0.0000 | 0.0000 | 83.909 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.183 | 0.0000 | 0.0000 | 83.909 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.192 | 0.0000 | 0.0000 | 83.909 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.200 | 0.0000 | 0.0000 | 83.909 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.208 | 0.0000 | 0.0000 | 83.909 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.217 | 0.0000 | 0.0000 | 83.909 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.225 | 0.0000 | 0.0000 | 83.909 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.233 | 0.0000 | 0.0000 | 83.909 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.242 | 0.0000 | 0.0000 | 83.909 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.250 | 0.0000 | 0.0000 | 83.908 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.258 | 0.0000 | 0.0000 | 83.908 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.267 | 0.0000 | 0.0000 | 83.908 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.275 | 0.0000 | 0.0000 | 83.908 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.283 | 0.0000 | 0.0000 | 83.908 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.292 | 0.0000 | 0.0000 | 83.908 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.300 | 0.0000 | 0.0000 | 83.908 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.308 | 0.0000 | 0.0000 | 83.908 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.317 | 0.0000 | 0.0000 | 83.908 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.325 | 0.0000 | 0.0000 | 83.908 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.333 | 0.0000 | 0.0000 | 83.908 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.342 | 0.0000 | 0.0000 | 83.908 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.350 | 0.0000 | 0.0000 | 83.907 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.358 | 0.0000 | 0.0000 | 83.907 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.367 | 0.0000 | 0.0000 | 83.907 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.375 | 0.0000 | 0.0000 | 83.907 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.383 | 0.0000 | 0.0000 | 83.907 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.392 | 0.0000 | 0.0000 | 83.907 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.400 | 0.0000 | 0.0000 | 83.907 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.408 | 0.0000 | 0.0000 | 83.907 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.417 | 0.0000 | 0.0000 | 83.907 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.425 | 0.0000 | 0.0000 | 83.907 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | $\pm 00632.1$ | S |
| 219.433 | 0.0000 | 0.0000 | 83.907 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.442 | 0.0000 | 0.0000 | 83.906 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.450 | 0.0000 | 0.0000 | 83.906 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.458 | 0.0000 | 0.0000 | 83.906 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.467 | 0.0000 | 0.0000 | 83.906 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.475 | 0.0000 | 0.0000 | 83.906 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.483 | 0.0000 | 0.0000 | 83.906 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.492 | 0.0000 | 0.0000 | 83,906 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.500 | 0.0000 | 0.0000 | 83.906 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.508 | 0.0000 | 0.0000 | 83.906 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.517 | 0.0000 | 0.0000 | 83.906 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.525 | 0.0000 | 0.0000 | 83.906 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{H}^{3 / 3}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / 3}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 219.533 | 0.0000 | 0.0000 | 83.905 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.542 | 0.0000 | 0.0000 | 83.905 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.550 | 0.0000 | 0.0000 | 83.905 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.558 | 0.0000 | 0.0000 | 83.905 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.567 | 0.0000 | 0.0000 | 83.905 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.575 | 0.0000 | 0.0000 | 83.905 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.583 | 0.0000 | 0.0000 | 83.905 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.592 | 0.0000 | 0.0000 | 83.905 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.600 | 0.0000 | 0.0000 | 83.905 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.608 | 0.0000 | 0.0000 | 83.905 | 0.00000 | 0.00000 | 316523. | 215891.0 | 100632.1 | S |
| 219.617 | 0.0000 | 0.0000 | 83.905 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.625 | 0.0000 | 0.0000 | 83.904 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.633 | 0.0000 | 0.0000 | 83.904 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.642 | 0.0000 | 0.0000 | 83.904 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.650 | 0.0000 | 0.0000 | 83.904 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.658 | 0.0000 | 0.0000 | 83.904 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.667 | 0.0000 | 0.0000 | 83.904 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.675 | 0.0000 | 0.0000 | 83.904 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.683 | 0.0000 | 0.0000 | 83.904 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.692 | 0.0000 | 0.0000 | 83.904 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.700 | 0.0000 | 0.0000 | 83.904 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.708 | 0.0000 | 0.0000 | 83.904 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.717 | 0.0000 | 0.0000 | 83.903 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.725 | 0.0000 | 0.0000 | 83.903 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.733 | 0.0000 | 0.0000 | 83.903 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.742 | 0.0000 | 0.0000 | 83.903 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.750 | 0.0000 | 0.0000 | 83.903 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.758 | 0.0000 | 0.0000 | 83.903 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.767 | 0.0000 | 0.0000 | 83.903 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.775 | 0.0000 | 0.0000 | 83.903 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.783 | 0.0000 | 0.0000 | 83.903 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.792 | 0.0000 | 0.0000 | 83.903 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.800 | 0.0000 | 0.0000 | 83.903 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.808 | 0.0000 | 0.0000 | 83.903 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.817 | 0.0000 | 0.0000 | 83.902 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.825 | 0.0000 | 0.0000 | 83.902 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.833 | 0.0000 | 0.0000 | 83.902 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.842 | 0.0000 | 0.0000 | 83.902 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.850 | 0.0000 | 0.0000 | 83.902 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.858 | 0.0000 | 0.0000 | 83.902 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.867 | 0.0000 | 0.0000 | 83.902 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.875 | 0.0000 | 0.0000 | 83.902 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.883 | 0.0000 | 0.0000 | 83.902 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.892 | 0.0000 | 0.0000 | 83.902 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.900 | 0.0000 | 0.0000 | 83.902 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.908 | 0.0000 | 0.0000 | 83.901 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.917 | 0.0000 | 0.0000 | 83.901 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.925 | 0.0000 | 0.0000 | 83.901 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.933 | 0.0000 | 0.0000 | 83.901 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.942 | 0.0000 | 0.0000 | 83.901 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.950 | 0.0000 | 0.0000 | 83.901 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.958 | 0.0000 | 0.0000 | 83.901 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.967 | 0.0000 | 0.0000 | 83.901 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.975 | 0.0000 | 0.0000 | 83.901 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 219.983 | 0.0000 | 0.0000 | 83.901 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.4 | S |
| 219.992 | 0.0000 | 0.0000 | 83.901 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.000 | 0.0000 | 0.0000 | 83.900 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.008 | 0.0000 | 0.0000 | 83.900 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.017 | 0.0000 | 0.0000 | 83.900 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.025 | 0.0000 | 0.0000 | 83.900 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.033 | 0.0000 | 0.0000 | 83.900 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.042 | 0.0000 | 0.0000 | 83.900 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.050 | 0.0000 | 0.0000 | 83.900 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.058 | 0.0000 | 0.0000 | 83.900 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | $\dagger 00632.1$ | S |
| 220.067 | 0.0000 | 0.0000 | 83.900 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.075 | 0.0000 | 0.0000 | 83.900 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.083 | 0.0000 | 0.0000 | 83.900 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.092 | 0.0000 | 0.0000 | 83.899 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.100 | 0.0000 | 0.0000 | 83.899 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.108 | 0.0000 | 0.0000 | 83.899 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.117 | 0.0000 | 0.0000 | 83.899 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.125 | 0.0000 | 0.0000 | 83.899 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.133 | 0.0000 | 0.0000 | 83.899 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.142 | 0.0000 | 0.0000 | 83.899 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |

PONDS Version 3.2.0207

## Copyright 2003

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{H}^{3 / 5}$ ) | Outside Recharge (ftday) | Stage Elevation (f datum) | Infiltration Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Overflow Discharge $\left(\mathrm{ft}^{3 / \mathrm{s}}\right.$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 220.150 | 0.0000 | 0.0000 | 83.899 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.4 | S |
| 220.158 | 0.0000 | 0.0000 | 83.899 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.4 | S |
| 220.167 | 0.0000 | 0.0000 | 83.899 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.175 | 0.0000 | 0.0000 | 83.899 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.183 | 0.0000 | 0.0000 | 83.899 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.3 | S |
| 220.192 | 0.0000 | 0.0000 | 83.898 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.200 | 0.0000 | 0.0000 | 83.898 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.208 | 0.0000 | 0.0000 | 83.898 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.217 | 0.0000 | 0.0000 | 83.898 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.225 | 0.0000 | 0.0000 | 83.898 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.233 | 0.0000 | 0.0000 | 83.898 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.242 | 0.0000 | 0.0000 | 83.898 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.250 | 0.0000 | 0.0000 | 83.898 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.258 | 0.0000 | 0.0000 | 83.898 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.267 | 0.0000 | 0.0000 | 83.898 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.275 | 0.0000 | 0.0000 | 83.898 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.283 | 0.0000 | 0.0000 | 83.897 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.292 | 0.0000 | 0.0000 | 83.897 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.300 | 0.0000 | 0.0000 | 83.897 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.308 | 0.0000 | 0.0000 | 83.897 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.317 | 0.0000 | 0.0000 | 83.897 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.325 | 0.0000 | 0.0000 | 83.897 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.333 | 0.0000 | 0.0000 | 83.897 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.342 | 0.0000 | 0.0000 | 83.897 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.350 | 0.0000 | 0.0000 | 83.897 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.358 | 0.0000 | 0.0000 | 83.897 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.367 | 0.0000 | 0.0000 | 83.897 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.375 | 0.0000 | 0.0000 | 83.896 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.383 | 0.0000 | 0.0000 | 83.896 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.392 | 0.0000 | 0.0000 | 83.896 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.400 | 0.0000 | 0.0000 | 83.896 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.408 | 0.0000 | 0.0000 | 83.896 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.417 | 0.0000 | 0.0000 | 83.896 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.425 | 0.0000 | 0.0000 | 83.896 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.433 | 0.0000 | 0.0000 | 83.896 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.442 | 0.0000 | 0.0000 | 83.896 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.450 | 0.0000 | 0.0000 | 83.896 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.458 | 0.0000 | 0.0000 | 83.896 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.467 | 0.0000 | 0.0000 | 83.895 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.475 | 0.0000 | 0.0000 | 83.895 | 0.00000 | 0.00000 | $3 \uparrow 6523.1$ | 215891.0 | 100632.1 | S |
| 220.483 | 0.0000 | 0.0000 | 83.895 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.492 | 0.0000 | 0.0000 | 83.895 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.500 | 0.0000 | 0.0000 | 83.895 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.508 | 0.0000 | 0.0000 | 83.895 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.517 | 0.0000 | 0.0000 | 83.895 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.525 | 0.0000 | 0.0000 | 83.895 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.533 | 0.0000 | 0.0000 | 83.895 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.542 | 0.0000 | 0.0000 | 83.895 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.550 | 0.0000 | 0.0000 | 83.895 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.558 | 0.0000 | 0.0000 | 83.895 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.567 | 0.0000 | 0.0000 | 83.894 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.575 | 0.0000 | 0.0000 | 83.894 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.583 | 0.0000 | 0.0000 | 83.894 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.592 | 0.0000 | 0.0000 | 83.894 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.600 | 0.0000 | 0.0000 | 83.894 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.608 | 0.0000 | 0.0000 | 83.894 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.617 | 0.0000 | 0.0000 | 83.894 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.625 | 0.0000 | 0.0000 | 83.894 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.633 | 0.0000 | 0.0000 | 83.894 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.642 | 0.0000 | 0.0000 | 83.894 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.650 | 0.0000 | 0.0000 | 83.894 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.658 | 0.0000 | 0.0000 | 83.893 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.667 | 0.0000 | 0.0000 | 83.893 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.675 | 0.0000 | 0.0000 | 83.893 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.683 | 0.0000 | 0.0000 | 83.893 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.692 | 0.0000 | 0.0000 | 83.893 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.700 | 0.0000 | 0.0000 | 83.893 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.708 | 0.0000 | 0.0000 | 83.893 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.717 | 0.0000 | 0.0000 | 83.893 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.725 | 0.0000 | 0.0000 | 83.893 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.733 | 0.0000 | 0.0000 | 83.893 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.742 | 0.0000 | 0.0000 | 83.893 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.750 | 0.0000 | 0.0000 | 83.892 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.758 | 0.0000 | 0.0000 | 83.892 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside <br> Recharge (ft/day) | Stage Elevation (fl datum) | Infiltration Rate ( $\mathrm{f} 3 / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ff}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 220.767 | 0.0000 | 0.0000 | 83.892 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.775 | 0.0000 | 0.0000 | 83.892 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.783 | 0.0000 | 0.0000 | 83.892 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.792 | 0.0000 | 0.0000 | 83.892 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.800 | 0.0000 | 0.0000 | 83.892 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.808 | 0.0000 | 0.0000 | 83.892 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.817 | 0.0000 | 0.0000 | 83.892 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.825 | 0.0000 | 0.0000 | 83.892 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.833 | 0.0000 | 0.0000 | 83.892 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.842 | 0.0000 | 0.0000 | 83.891 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.850 | 0.0000 | 0.0000 | 83.891 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.858 | 0.0000 | 0.0000 | 83.891 | 0.00000 | 0.00000 | 316523.4 | 215891.0 | 100632.1 | S |
| 220.867 | 0.0000 | 0.0000 | 83.891 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.875 | 0.0000 | 0.0000 | 83.891 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.883 | 0.0000 | 0.0000 | 83.891 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.892 | 0.0000 | 0.0000 | 83.891 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.900 | 0.0000 | 0.0000 | 83.891 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.908 | 0.0000 | 0.0000 | 83.891 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.917 | 0.0000 | 0.0000 | 83.891 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.925 | 0.0000 | 0.0000 | 83.891 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.933 | 0.0000 | 0.0000 | 83.891 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.942 | 0.0000 | 0.0000 | 83.890 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.950 | 0.0000 | 0.0000 | 83.890 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.958 | 0.0000 | 0.0000 | 83.890 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.967 | 0.0000 | 0.0000 | 83.890 | 0.00000 | 0.00000 | $3 ¢ 6523.1$ | 215891.0 | 100632.1 | S |
| 220.975 | 0.0000 | 0.0000 | 83.890 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.983 | 0.0000 | 0.0000 | 83.890 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 220.992 | 0.0000 | 0.0000 | 83.890 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.000 | 0.0000 | 0.0000 | 83.890 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.008 | 0.0000 | 0.0000 | 83.890 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.017 | 0.0000 | 0.0000 | 83.890 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.025 | 0.0000 | 0.0000 | 83.890 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.033 | 0.0000 | 0.0000 | 83.889 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.042 | 0.0000 | 0.0000 | 83.889 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.050 | 0.0000 | 0.0000 | 83.889 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.058 | 0.0000 | 0.0000 | 83.889 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.067 | 0.0000 | 0.0000 | 83.889 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.075 | 0.0000 | 0.0000 | 83.889 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.083 | 0.0000 | 0.0000 | 83.889 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.092 | 0.0000 | 0.0000 | 83.889 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.100 | 0.0000 | 0.0000 | 83.889 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.108 | 0.0000 | 0.0000 | 83.889 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.117 | 0.0000 | 0.0000 | 83.889 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.125 | 0.0000 | 0.0000 | 83.888 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.133 | 0.0000 | 0.0000 | 83.888 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.142 | 0.0000 | 0.0000 | 83.888 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.150 | 0.0000 | 0.0000 | 83.888 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.158 | 0.0000 | 0.0000 | 83.888 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.167 | 0.0000 | 0.0000 | 83.888 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.175 | 0.0000 | 0.0000 | 83.888 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.183 | 0.0000 | 0.0000 | 83.888 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | \{00632.1 | S |
| 221.192 | 0.0000 | 0.0000 | 83.888 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.200 | 0.0000 | 0.0000 | 83.888 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.208 | 0.0000 | 0.0000 | 83.888 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.217 | 0.0000 | 0.0000 | 83.888 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.225 | 0.0000 | 0.0000 | 83.887 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.233 | 0.0000 | 0.0000 | 83.887 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.242 | 0.0000 | 0.0000 | 83.887 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.250 | 0.0000 | 0.0000 | 83.887 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.258 | 0.0000 | 0.0000 | 83.887 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.267 | 0.0000 | 0.0000 | 83.887 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.275 | 0.0000 | 0.0000 | 83.887 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.283 | 0.0000 | 0.0000 | 83.887 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.292 | 0.0000 | 0.0000 | 83.887 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.300 | 0.0000 | 0.0000 | 83.887 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.308 | 0.0000 | 0.0000 | 83.887 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.317 | 0.0000 | 0.0000 | 83.886 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.325 | 0.0000 | 0.0000 | 83.886 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.333 | 0.0000 | 0.0000 | 83.886 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.342 | 0.0000 | 0.0000 | 83.886 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.350 | 0.0000 | 0.0000 | 83.886 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.358 | 0.0000 | 0.0000 | 83.886 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.367 | 0.0000 | 0.0000 | 83.886 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.375 | 0.0000 | 0.0000 | 83.886 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate (fishs) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( ft ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 221.383 | 0.0000 | 0.0000 | 83.886 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.392 | 0.0000 | 0.0000 | 83.886 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.400 | 0.0000 | 0.0000 | 83.886 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.408 | 0.0000 | 0.0000 | 83.885 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.417 | 0.0000 | 0.0000 | 83.885 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.425 | 0.0000 | 0.0000 | 83.885 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.433 | 0.0000 | 0.0000 | 83.885 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.442 | 0.0000 | 0.0000 | 83.885 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.450 | 0.0000 | 0.0000 | 83.885 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.458 | 0.0000 | 0.0000 | 83.885 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.467 | 0.0000 | 0.0000 | 83.885 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.475 | 0.0000 | 0.0000 | 83.885 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.483 | 0.0000 | 0.0000 | 83.885 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.492 | 0.0000 | 0.0000 | 83.885 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.500 | 0.0000 | 0.0000 | 83.885 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.508 | 0.0000 | 0.0000 | 83.884 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.517 | 0.0000 | 0.0000 | 83.884 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.525 | 0.0000 | 0.0000 | 83.884 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.533 | 0.0000 | 0.0000 | 83.884 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.542 | 0.0000 | 0.0000 | 83.884 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.550 | 0.0000 | 0.0000 | 83.884 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.558 | 0.0000 | 0.0000 | 83.884 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | 5 |
| 221.567 | 0.0000 | 0.0000 | 83.884 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.575 | 0.0000 | 0.0000 | 83.884 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.583 | 0.0000 | 0.0000 | 83.884 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.592 | 0.0000 | 0.0000 | 83.884 | 0.00000 | 0,00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.600 | 0.0000 | 0.0000 | 83.883 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.608 | 0.0000 | 0.0000 | 83.883 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.617 | 0.0000 | 0.0000 | 83.883 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.625 | 0.0000 | 0.0000 | 83.883 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.633 | 0.0000 | 0.0000 | 83.883 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.642 | 0.0000 | 0.0000 | 83.883 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.650 | 0.0000 | 0.0000 | 83.883 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.658 | 0.0000 | 0.0000 | 83.883 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.667 | 0.0000 | 0.0000 | 83.883 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.675 | 0.0000 | 0.0000 | 83.883 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.683 | 0.0000 | 0.0000 | 83.883 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.692 | 0.0000 | 0.0000 | 83.882 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.700 | 0.0000 | 0.0000 | 83.882 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.708 | 0.0000 | 0.0000 | 83.882 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.717 | 0.0000 | 0.0000 | 83.882 | 0.00000 | 0.00000 | $3 \uparrow 6523.1$ | 215891.0 | 100632.1 | S |
| 221.725 | 0.0000 | 0.0000 | 83.882 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.733 | 0.0000 | 0.0000 | 83.882 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.742 | 0.0000 | 0.0000 | 83.882 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.750 | 0.0000 | 0.0000 | 83.882 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.758 | 0.0000 | 0.0000 | 83.882 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.767 | 0.0000 | 0.0000 | 83.882 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.775 | 0.0000 | 0.0000 | 83.882 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.783 | 0.0000 | 0.0000 | 83.882 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.792 | 0.0000 | 0.0000 | 83.881 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.800 | 0.0000 | 0.0000 | 83.881 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.808 | 0.0000 | 0.0000 | 83.881 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.817 | 0.0000 | 0.0000 | 83.881 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.825 | 0.0000 | 0.0000 | 83.881 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.833 | 0.0000 | 0.0000 | 83.881 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.842 | 0.0000 | 0.0000 | 83.881 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.850 | 0.0000 | 0.0000 | 83.881 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.858 | 0.0000 | 0.0000 | 83.881 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.867 | 0.0000 | 0.0000 | 83.881 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.875 | 0.0000 | 0.0000 | 83.881 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.883 | 0.0000 | 0.0000 | 83.880 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.892 | 0.0000 | 0.0000 | 83.880 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.900 | 0.0000 | 0.0000 | 83.880 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.908 | 0.0000 | 0.0000 | 83.880 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.917 | 0.0000 | 0.0000 | 83.880 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.925 | 0.0000 | 0.0000 | 83.880 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.933 | 0.0000 | 0.0000 | 83.880 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.942 | 0.0000 | 0.0000 | 83.880 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.950 | 0.0000 | 0.0000 | 83.880 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.958 | 0.0000 | 0.0000 | 83.880 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.967 | 0.0000 | 0.0000 | 83.880 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.975 | 0.0000 | 0.0000 | 83.879 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.983 | 0.0000 | 0.0000 | 83.879 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |
| 221.992 | 0.0000 | 0.0000 | 83.879 | 0.00000 | 0.00000 | 316523.1 | 215891.0 | 100632.1 | S |

## PONDS Routing and Recovery Analysis

Interim Plan Results<br>Pond 11<br>100-year / 24-Hour Storm<br>Input Report Summary of Results Detailed Results<br>(Pond dry at Hour 35)<br>(Cut off early due to unnecessary length)

## Project Data

Project Name: Vista Landfill Redesign Interim Stormwater Plan
Simulation Description: Pond 11-100 Year / 24 Hour Routing and Recovery Analysis w/ infiltration Iterim Pond 11
Project Number: ..... 10-2141
Engineer : ..... cms
Supervising Engineer: ..... cms
Date: ..... 01-06-2011
Aquifer Data
Base Of Aquifer Elevation, $[\mathrm{B}]$ ( ft datum): ..... 59.00
Water Table Elevation, [WT] (ft datum): ..... 60.00
Horizontal Saturated Hydraulic Conductivity, [Kh] (ft/day): ..... 15.00
Fillable Porosity, [n] (\%): ..... 20.00
Unsaturated Vertical Infiltration Rate, [lv] (f/day): ..... 5.0
Maximum Area For Unsaturated Infiltration, [Av] ( $\mathrm{ft}^{2}$ ): ..... 61420.0
Geometry Data
Equivalent Pond Length, $[\mathrm{L}]$ ( ft ): ..... 800.0
Equivalent Pond Width, [W] (ft): ..... 50.0
Ground water mound is expected to intersect the pond bottom

## Stage vs Area Data

| Stage <br> (ft datum) | Area <br> $\left(\mathrm{ft}^{2}\right)$ |
| ---: | ---: |
| 86.00 | 14070.0 |
| 87.00 | 21693.0 |
| 88.00 | 29403.0 |
| 89.00 | 37200.0 |
| 90.00 | 44997.0 |
| 91.00 | 53143.0 |
| 92.00 | 61420.0 |

## Discharge Structures

Discharge Structure \#1 is inactive
Discharge Structure \#2 is inactive
Discharge Structure \#3 is inactive

## Scenario Input Data

Scenario 1 :: Interim Pond $11100 \mathrm{Yr} / 24 \mathrm{Hr}$ w/ overflow from pond 10
Hydrograph Type: Multi-basin SCS Hydrograph

## Modflow Options

| Modflow Routing: | Routed with infiltration |
| :--- | :--- |
| Initial Groundwater Table: | default |
| Initial Pond Stage: | default |
| Boundary Condition: | default (constant head) |
| Repetitions: | 1 |

## Simulation Parameters

Minimum time of concentration for all contributing basins in chain (minutes): 10
Computational time step (minutes): .5
Duration of simulation (hours): 240

## Contributing Basins

Number of contributing basins: 1

## Basin 1

| Basin Name | da11 |
| :--- | :--- |
| Basin Area (acres) | 2.54 |
| Time Of Concentration (minutes) | 10 |
| DCIA (\%) | 0 |
| Curve Number | 98 |
| Design Rainfall Depth (inches) | 10.6 |
| Design Rainfall Duration (hours) | 24 |
| Shape Factor | UHG 484 |
| Rainfall Distribution | Orange County 100 Year - 24 Hour |

## Ugradient Inflows

Number of upgradient inflow nodes: 1

## Node 1

Minimum Discharge Rate (cfs): 0
Peak Discharge Rate (cfs): $\quad 14.08816$
Cumulative Discharge Volume ( $\mathrm{ff}^{3}$ ): $\quad 100647.9$

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Summary of Results :: Scenario 1 :: Interim Pond $11100 \mathrm{Yr} / 24 \mathrm{Hr}$ w/ overflow from pond 10

|  | Time (hours) | Stage (ft datum) | Rate $\left(\mathrm{ft}^{3} / \mathrm{s}\right)$ | Volume (ft ${ }^{3}$ ) |
| :---: | :---: | :---: | :---: | :---: |
| Stage |  |  |  |  |
| Minimum | 0.000 | 60.00 |  |  |
| Maximum | 13.233 | 90.15 |  |  |
| Inflow |  |  |  |  |
| Rate - Maximum - Positive | 9.075 |  | 19.1620 |  |
| Rate - Maximum - Negative | None |  | None |  |
| Cumulative Volume - Maximum Positive | 24.475 |  |  | 196358.5 |
| Cumulative Volume - Maximum Negative | None |  |  | None |
| Cumulative Volume - End of Simulation | 240.000 |  |  | 196358.5 |
| Infiltration |  |  |  |  |
| Rate - Maximum - Positive | 13.242 |  | 2.6767 |  |
| Rate - Maximum - Negative | None |  | None |  |
| Cumulative Volume - Maximum Positive | 34.642 |  |  | 196358.5 |
| Cumulative Volume - Maximum Negative | None |  |  | None |
| Cumulative Volume - End of Simulation | 240.000 |  |  | 196358.5 |
| Combined Discharge |  |  |  |  |
| Rate - Maximum - Positive | None |  | None |  |
| Rate - Maximum - Negative | None |  | None |  |
| Cumulative Volume - Maximum Positive | None |  |  | None |
| Cumulative Volume - Maximum Negative | None |  |  | None |
| Cumulative Volume - End of Simulation | 240.000 |  |  | 0.0 |
| Discharge Structure 1 - inactive disabled |  |  |  |  |
| Rate - Maximum - Positive | disabled |  | disabled |  |
| Rate - Maximum - Negative | disabled |  | disabled |  |
| Cumulative Volume - Maximum Positive | disabled |  |  | disabled |
| Cumulative Volume - Maximum Negative | disabled |  |  | disabled |
| Cumulative Volume - End of Simulation | disabled |  |  | disabled |
| Discharge Structure 2 - inactive disabled |  |  |  |  |
| Rate - Maximum - Positive | disabled |  | disabled |  |
| Rate - Maximum - Negative | disabled |  | disabled |  |
| Cumulative Volume - Maximum Positive | disabled |  |  |  |
| Cumulative Volume - Maximum Negative | disabled |  |  | disabled |
| Cumulative Volume - End of Simulation | disabled |  |  | disabled |
| Discharge Structure 3 - inactive |  |  |  |  |
| Rate - Maximum - Positive | disabled |  | disabled |  |
| Rate - Maximum - Negative | disabled |  | disabled |  |
| Cumulative Volume - Maximum Positive | disabled |  |  | disabled |
| Cumulative Volume - Maximum Negative | disabled |  |  | disabled |
| Cumulative Volume - End of Simulation | disabled |  |  | disabled |
| Pollution Abatement: |  |  |  |  |
| 36 Hour Stage and Infilltration Volume | N.A. | N.A. |  | N.A. |
| 72 Hour Stage and Infilltration Volume | N.A. | N.A. |  | N.A. |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results :: Scenario 1 :: Interim Pond $11100 \mathrm{Yr} / 24 \mathrm{Hr}$ w/overflow from pond 10

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{it}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume $\left(\mathrm{ft}^{3}\right)$ | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 0.000 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | N.A. |
| 0.008 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.017 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.025 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.033 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.042 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.050 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.058 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.067 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.075 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.083 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.092 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.100 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.108 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.117 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.125 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.133 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.142 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.150 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.158 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.167 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.175 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.183 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.192 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.200 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.208 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.217 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.225 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.233 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.242 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.250 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.258 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.267 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.275 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.283 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.292 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.300 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.308 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.317 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.325 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.333 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.342 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.350 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.358 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.367 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.375 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.383 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.392 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.400 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.408 | 0.0000 | 0.0000 | 50.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.417 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.425 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.433 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.442 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.450 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.458 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.467 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.475 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.483 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.492 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.500 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.508 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.517 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.525 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.533 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.542 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.550 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.558 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.567 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.575 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.583 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.592 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.600 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.608 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Interim Pond $11100 \mathrm{Yr} / 24 \mathrm{Hr}$ w/ ovenflow from pond 10

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | $\begin{aligned} & \text { Flow } \\ & \text { Type } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 0.617 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.625 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.633 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.642 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.650 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.658 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.667 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.675 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.683 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.692 | 0.0000 | 0.0000 | 80.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.700 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.708 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.717 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.725 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.733 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.742 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.750 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.758 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.767 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.775 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.783 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.792 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.800 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.808 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.817 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.825 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.833 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.842 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.850 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.858 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.867 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.875 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.883 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.892 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.900 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.908 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.917 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.925 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.933 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.942 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.950 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.958 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.967 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.975 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.983 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.992 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.000 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.008 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.017 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.025 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.033 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.042 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.050 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.058 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.067 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.075 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.083 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.092 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.100 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.108 | 0.0000 | 0.0000 | 80.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.117 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.125 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.133 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.142 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.150 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.158 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.167 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.175 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.183 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.192 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.200 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.208 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.217 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.225 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |

PONDS Version 3.2.0207

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Interim Pond $11100 \mathrm{Yr} / 24 \mathrm{Hr}$ w/ overflow from pond 10

| Elapsed Time (hours) | Infow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / 3} \mathrm{~s}$ ) | Overflow Discharge ( $\mathrm{f} \mathrm{t}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1.233 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.242 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.250 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.258 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.267 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.275 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.283 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.292 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.300 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.308 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.317 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.325 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.333 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.342 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.350 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.358 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.367 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.375 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.383 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.392 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.400 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.408 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.417 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.425 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.433 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.442 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.450 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.458 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.467 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.475 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.483 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.492 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| $\uparrow .500$ | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.508 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.517 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.525 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.533 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.542 | 0.0000 | 0.0000 | 60.000 | 0.00001 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.550 | 0.0000 | 0.0000 | 60.000 | 0.00003 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.558 | 0.0001 | 0.0000 | 60.000 | 0.00006 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.567 | 0.0001 | 0.0000 | 60.000 | 0.00012 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.575 | 0.0002 | 0.0000 | 60.000 | 0.00020 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.583 | 0.0003 | 0.0000 | 60.000 | 0.00033 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.592 | 0.0005 | 0.0000 | 60.000 | 0.00051 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.600 | 0.0007 | 0.0000 | 60.000 | 0.00074 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.608 | 0.0010 | 0.0000 | 60.000 | 0.00105 | 0.00000 | 0.1 | 0.1 | 0.0 | U |
| 1.617 | 0.0014 | 0.0000 | 60.000 | 0.00142 | 0.00000 | 0.1 | 0.1 | 0.0 | U |
| 1.625 | 0.0019 | 0.0000 | 60.000 | 0.00187 | 0.00000 | 0.2 | 0.2 | 0.0 | U |
| 1.633 | 0.0024 | 0.0000 | 60.000 | 0.00240 | 0.00000 | 0.2 | 0.2 | 0.0 | U |
| 1.642 | 0.0030 | 0.0000 | 60.000 | 0.00300 | 0.00000 | 0.3 | 0.3 | 0.0 | U |
| 1.650 | 0.0037 | 0.0000 | 60.000 | 0.00368 | 0.00000 | 0.4 | 0.4 | 0.0 | U |
| 1.658 | 0.0044 | 0.0000 | 60.000 | 0.00442 | 0.00000 | 0.5 | 0.5 | 0.0 | U |
| 1.667 | 0.0052 | 0.0000 | 60.000 | 0.00523 | 0.00000 | 0.7 | 0.7 | 0.0 | U |
| 1.675 | 0.0061 | 0.0000 | 60.000 | 0.00610 | 0.00000 | 0.8 | 0.8 | 0.0 | U |
| 1.683 | 0.0070 | 0.0000 | 60.000 | 0.00702 | 0.00000 | 1.0 | 1.0 | 0.0 | U |
| 1.692 | 0.0080 | 0.0000 | 60.000 | 0.00799 | 0.00000 | 1.3 | 1.3 | 0.0 | U |
| 1.700 | 0.0090 | 0.0000 | 60.000 | 0.00900 | 0.00000 | 1.5 | 1.5 | 0.0 | U |
| 1.708 | 0.0100 | 0.0000 | 60.000 | 0.01004 | 0.00000 | 1.8 | 1.8 | 0.0 | U |
| 1.717 | 0.0111 | 0.0000 | 60.000 | 0.01110 | 0.00000 | 2.1 | 2.1 | 0.0 | U |
| 1.725 | 0.0122 | 0.0000 | 60.000 | 0.01219 | 0.00000 | 2.5 | 2.5 | 0.0 | U |
| 1.733 | 0.0133 | 0.0000 | 60.000 | 0.01329 | 0.00000 | 2.8 | 2.8 | 0.0 | U |
| 1.742 | 0.0144 | 0.0000 | 60.000 | 0.01441 | 0.00000 | 3.3 | 3.3 | 0.0 | U |
| 1.750 | 0.0155 | 0.0000 | 60.000 | 0.01555 | 0.00000 | 3.7 | 3.7 | 0.0 | U |
| 1.758 | 0.0167 | 0.0000 | 60.000 | 0.01669 | 0.00000 | 4.2 | 4.2 | 0.0 | U |
| 1.767 | 0.0178 | 0.0000 | 60.000 | 0.01783 | 0.00000 | 4.7 | 4.7 | 0.0 | U |
| 1.775 | 0.0190 | 0.0000 | 60.000 | 0.01899 | 0.00000 | 5.3 | 5.3 | 0.0 | U |
| 1.783 | 0.0201 | 0.0000 | 60.000 | 0.02014 | 0.00000 | 5.9 | 5.9 | 0.0 | U |
| 1.792 | 0.0213 | 0.0000 | 60.001 | 0.02130 | 0.00000 | 6.5 | 6.5 | 0.0 | U |
| 1.800 | 0.0225 | 0.0000 | 60.001 | 0.02245 | 0.00000 | 7.1 | 7.1 | 0.0 | U |
| 1.808 | 0.0236 | 0.0000 | 60.001 | 0.02361 | 0.00000 | 7.8 | 7.8 | 0.0 | U |
| 1.817 | 0.0248 | 0.0000 | 60.001 | 0.02476 | 0.00000 | 8.5 | 8.5 | 0.0 | U |
| 1.825 | 0.0259 | 0.0000 | 60.001 | 0.02591 | 0.00000 | 9.3 | 9.3 | 0.0 | U |
| 1.833 | 0.0271 | 0.0000 | 60.001 | 0.02705 | 0.00000 | 10.1 | 10.1 | 0.0 | U |
| 1.842 | 0.0282 | 0.0000 | 60.001 | 0.02819 | 0.00000 | 10.9 | 10.9 | 0.0 | U |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Interim Pond $11100 \mathrm{Yr} / 24 \mathrm{Hr}$ w/ overflow from pond 10

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infilkration Rate (f ${ }^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3 / 5}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1.850 | 0.0293 | 0.0000 | 60.001 | 0.02933 | 0.00000 | 11.8 | 11.8 | 0.0 | U |
| 1.858 | 0.0305 | 0.0000 | 60.001 | 0.03046 | 0.00000 | 12.7 | 12.7 | 0.0 | U |
| 1.867 | 0.0316 | 0.0000 | 60.001 | 0.03158 | 0.00000 | 13.6 | 13.6 | 0.0 | U |
| 1.875 | 0.0327 | 0.0000 | 60.001 | 0.03269 | 0.00000 | 14.6 | 14.6 | 0.0 | U |
| 1.883 | 0.0338 | 0.0000 | 60.001 | 0.03380 | 0.00000 | 15.6 | 15.6 | 0.0 | U |
| 1.892 | 0.0349 | 0.0000 | 60.001 | 0.03490 | 0.00000 | 16.6 | 16.6 | 0.0 | U |
| 1.900 | 0.0360 | 0.0000 | 60.001 | 0.03599 | 0.00000 | 17.7 | 17.7 | 0.0 | U |
| 1.908 | 0.0371 | 0.0000 | 60.002 | 0.03708 | 0.00000 | 18.8 | 18.8 | 0.0 | U |
| 1.917 | 0.0382 | 0.0000 | 60.002 | 0.03815 | 0.00000 | 19.9 | 19.9 | 0.0 | U |
| 1.925 | 0.0392 | 0.0000 | 60.002 | 0.03922 | 0.00000 | 21.1 | 21.1 | 0.0 | U |
| 1.933 | 0.0403 | 0.0000 | 60.002 | 0.04028 | 0.00000 | 22.3 | 22.3 | 0.0 | U |
| 1.942 | 0.0413 | 0.0000 | 60.002 | 0.04133 | 0.00000 | 23.5 | 23.5 | 0.0 | U |
| 1.950 | 0.0424 | 0.0000 | 60.002 | 0.04237 | 0.00000 | 24.7 | 24.7 | 0.0 | U |
| 1.958 | 0.0434 | 0.0000 | 60.002 | 0.04341 | 0.00000 | 26.0 | 26.0 | 0.0 | U |
| 1.967 | 0.0444 | 0.0000 | 60.002 | 0.04444 | 0.00000 | 27.3 | 27.3 | 0.0 | U |
| 1.975 | 0.0455 | 0.0000 | 60.002 | 0.04545 | 0.00000 | 28.7 | 28.7 | 0.0 | U |
| 1.983 | 0.0465 | 0.0000 | 60.002 | 0.04646 | 0.00000 | 30.1 | 30.1 | 0.0 | U |
| 1.992 | 0.0475 | 0.0000 | 60.003 | 0.04747 | 0.00000 | 31.5 | 31.5 | 0.0 | U |
| 2.000 | 0.0485 | 0.0000 | 60.003 | 0.04851 | 0.00000 | 32.9 | 32.9 | 0.0 | U |
| 2.008 | 0.0496 | 0.0000 | 60.003 | 0.04960 | 0.00000 | 34.4 | 34.4 | 0.0 | U |
| 2.017 | 0.0507 | 0.0000 | 60.003 | 0.05077 | 0.00000 | 35.9 | 35.9 | 0.0 | U |
| 2.025 | 0.0520 | 0.0000 | 60.003 | 0.05204 | 0.00000 | 37.4 | 37.4 | 0.0 | U |
| 2.033 | 0.0534 | 0.0000 | 60.003 | 0.05346 | 0.00000 | 39.0 | 39.0 | 0.0 | U |
| 2.042 | 0.0550 | 0.0000 | 60.003 | 0.05505 | 0.00000 | 40.6 | 40.6 | 0.0 | U |
| 2.050 | 0.0568 | 0.0000 | 60.003 | 0.05684 | 0.00000 | 42.3 | 42.3 | 0.0 | U |
| 2.058 | 0.0588 | 0.0000 | 60.004 | 0.05886 | 0.00000 | 44.0 | 44.0 | 0.0 | U |
| 2.067 | 0.0610 | 0.0000 | 60.004 | 0.06109 | 0.00000 | 45.8 | 45.8 | 0.0 | U |
| 2.075 | 0.0635 | 0.0000 | 60.004 | 0.06349 | 0.00000 | 47.7 | 47.7 | 0.0 | U |
| 2.083 | 0.0860 | 0.0000 | 60.004 | 0.06604 | 0.00000 | 49.7 | 49.7 | 0.0 | U |
| 2.092 | 0.0687 | 0.0000 | 60.004 | 0.06869 | 0.00000 | 51.7 | 51.7 | 0.0 | U |
| 2.100 | 0.0714 | 0.0000 | 60.004 | 0.07140 | 0.00000 | 53.8 | 53.8 | 0.0 | U |
| 2.108 | 0.0741 | 0.0000 | 60.005 | 0.07414 | 0.00000 | 56.0 | 56.0 | 0.0 | U |
| 2.117 | 0.0769 | 0.0000 | 60.005 | 0.07689 | 0.00000 | 58.2 | 58.2 | 0.0 | U |
| 2.125 | 0.0796 | 0.0000 | 60.005 | 0.07961 | 0.00000 | 60.6 | 60.6 | 0.0 | U |
| 2.133 | 0.0823 | 0.0000 | 60.005 | 0.08228 | 0.00000 | 63.0 | 63.0 | 0.0 | U |
| 2.142 | 0.0849 | 0.0000 | 60.005 | 0.08489 | 0.00000 | 65.5 | 65.5 | 0.0 | U |
| 2.150 | 0.0874 | 0.0000 | 60.006 | 0.08742 | 0.00000 | 68.1 | 68.1 | 0.0 | U |
| 2.158 | 0.0899 | 0.0000 | 60.006 | 0.08986 | 0.00000 | 70.8 | 70.8 | 0.0 | U |
| 2.167 | 0.0922 | 0.0000 | 60.006 | 0.09219 | 0.00000 | 73.5 | 73.5 | 0.0 | U |
| 2.175 | 0.0944 | 0.0000 | 60.006 | 0.09441 | 0.00000 | 76.3 | 76.3 | 0.0 | U |
| 2.183 | 0.0966 | 0.0000 | 60.006 | 0.09653 | 0.00000 | 79.2 | 79.2 | 0.0 | U |
| 2.192 | 0.0986 | 0.0000 | 60.007 | 0.09858 | 0.00000 | 82.1 | 82.1 | 0.0 | U |
| 2.200 | 0.1006 | 0.0000 | 60.007 | 0.10056 | 0.00000 | 85.1 | 85.1 | 0.0 | U |
| 2.208 | 0.1025 | 0.0000 | 60.007 | 0.10247 | 0.00000 | 88.1 | 88.1 | 0.0 | U |
| 2.217 | 0.1043 | 0.0000 | 60.007 | 0.10433 | 0.00000 | 91.2 | 91.2 | 0.0 | U |
| 2.225 | 0.1062 | 0.0000 | 60.008 | 0.10615 | 0.00000 | 94.4 | 94.4 | 0.0 | U |
| 2.233 | 0.1079 | 0.0000 | 60.008 | 0.10792 | 0.00000 | 97.6 | 97.6 | 0.0 | U |
| 2.242 | 0.1097 | 0.0000 | 60.008 | 0.10964 | 0.00000 | 100.8 | 100.8 | 0.0 | U |
| 2.250 | 0.1113 | 0.0000 | 60.008 | 0.11132 | 0.00000 | 104.2 | 104.2 | 0.0 | U |
| 2.258 | 0.1130 | 0.0000 | 60.009 | 0.11297 | 0.00000 | 107.5 | 107.5 | 0.0 | U |
| 2.267 | 0.1146 | 0.0000 | 60.009 | 0.11458 | 0.00000 | 110.9 | 110.9 | 0.0 | U |
| 2.275 | 0.1162 | 0.0000 | 60.009 | 0.11615 | 0.00000 | 114.4 | 114.4 | 0.0 | U |
| 2.283 | 0.1177 | 0.0000 | 60.010 | 0.11770 | 0.00000 | 117.9 | 117.9 | 0.0 | U |
| 2.292 | 0.1192 | 0.0000 | 60.010 | 0.11921 | 0.00000 | 121.5 | 121.5 | 0.0 | U |
| 2.300 | 0.1207 | 0.0000 | 60.010 | 0.12070 | 0.00000 | 125.1 | 125.1 | 0.0 | U |
| 2.308 | 0.1222 | 0.0000 | 60.010 | 0.12216 | 0.00000 | 128.7 | 128.7 | 0.0 | U |
| 2.317 | 0.1236 | 0.0000 | 60.011 | 0.12360 | 0.00000 | 132.4 | 132.4 | 0.0 | U |
| 2.325 | 0.1250 | 0.0000 | 60.011 | 0.12502 | 0.00000 | 136.1 | 136.1 | 0.0 | U |
| 2.333 | 0.1264 | 0.0000 | 60.011 | 0.12641 | 0.00000 | 139.9 | 139.9 | 0.0 | U |
| 2.342 | 0.1278 | 0.0000 | 60.012 | 0.12778 | 0.00000 | 143.7 | 143.7 | 0.0 | U |
| 2.350 | 0.1291 | 0.0000 | 60.012 | 0.12913 | 0.00000 | 147.6 | 147.6 | 0.0 | U |
| 2.358 | 0.1305 | 0.0000 | 60.012 | 0.13047 | 0.00000 | 151.5 | 151.5 | 0.0 | U |
| 2.367 | 0.1318 | 0.0000 | 60.013 | 0.13178 | 0.00000 | 155.4 | 155.4 | 0.0 | U |
| 2.375 | 0.1331 | 0.0000 | 60.013 | 0.13308 | 0.00000 | 159.4 | 159.4 | 0.0 | U |
| 2.383 | 0.1344 | 0.0000 | 60.013 | 0.13436 | 0.00000 | 163.4 | 163.4 | 0.0 | U |
| 2.392 | 0.1356 | 0.0000 | 60.014 | 0.13562 | 0.00000 | 167.4 | 167.4 | 0.0 | U |
| 2.400 | 0.1369 | 0.0000 | 60.014 | 0.13687 | 0.00000 | 171.5 | 171.5 | 0.0 | U |
| 2,408 | 0.1381 | 0.0000 | 60.014 | 0.13810 | 0.00000 | 175.6 | 175.6 | 0.0 | U |
| 2.417 | 0.1393 | 0.0000 | 60.015 | 0.13932 | 0.00000 | 179.8 | 179.8 | 0.0 | U |
| 2.425 | 0.1405 | 0.0000 | 60.015 | 0.14052 | 0.00000 | 184.0 | 184.0 | 0.0 | U |
| 2.433 | 0.1417 | 0.0000 | 60.015 | 0.14171 | 0.00000 | 188.2 | 188.2 | 0.0 | U |
| 2.442 | 0.1429 | 0.0000 | 60.016 | 0.14288 | 0.00000 | 192.5 | 192.5 | 0.0 | U |
| 2.450 | 0.1440 | 0.0000 | 60.016 | 0.14404 | 0.00000 | 196.8 | 196.8 | 0.0 | U |
| 2.458 | 0.1452 | 0.0000 | 60.016 | $0.145 \ddagger 9$ | 0.00000 | 201.1 | 201.1 | 0.0 | U |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Interim Pond $11100 \mathrm{Yr} / 24 \mathrm{Hr}$ w/ overflow from pond 10

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | infiltration Rate (fit/s) | Overflow Discharge (ft ${ }^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative <br> Discharge <br> Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2.467 | 0.1463 | 0.0000 | 60.017 | 0.14633 | 0.00000 | 205.5 | 205.5 | 0.0 | U |
| 2.475 | 0.1475 | 0.0000 | 60.017 | 0.14745 | 0.00000 | 209.9 | 209.9 | 0.0 | U |
| 2.483 | 0.1486 | 0.0000 | 60.017 | 0.14856 | 0.00000 | 214.4 | 214.4 | 0.0 | U |
| 2.492 | 0.1497 | 0.0000 | 60.018 | 0.14966 | 0.00000 | 218.8 | 218.8 | 0.0 | U |
| 2.500 | 0.1508 | 0.0000 | 60.018 | 0.15080 | 0.00000 | 223.3 | 223.3 | 0.0 | U |
| 2.508 | 0.1520 | 0.0000 | 60.019 | 0.15202 | 0.00000 | 227.9 | 227.9 | 0.0 | U |
| 2.517 | 0.1533 | 0.0000 | 60.019 | 0.15338 | 0.00000 | 232.5 | 232.5 | 0.0 | U |
| 2.525 | 0.1549 | 0.0000 | 60.019 | 0.15494 | 0.00000 | 237.1 | 237.1 | 0.0 | U |
| 2.533 | 0.1567 | 0.0000 | 60.020 | 0.15674 | 0.00000 | 241.8 | 241.8 | 0.0 | U |
| 2.542 | 0.1588 | 0.0000 | 60.020 | 0.15885 | 0.00000 | 246.5 | 246.5 | 0.0 | U |
| 2.550 | 0.1612 | 0.0000 | 60.020 | 0.16133 | 0.00000 | 251.3 | 251.3 | 0.0 | U |
| 2.558 | 0.1641 | 0.0000 | 60.021 | 0.16422 | 0.00000 | 256.2 | 256.2 | 0.0 | U |
| 2.567 | 0.1674 | 0.0000 | 60.021 | 0.16753 | 0.00000 | 261.1 | 261.1 | 0.0 | U |
| 2.575 | 0.1711 | 0.0000 | 60.022 | 0.17119 | 0.00000 | 266.2 | 266.2 | 0.0 | U |
| 2.583 | 0.1751 | 0.0000 | 60.022 | 0.17513 | 0.00000 | 271.4 | 271.4 | 0.0 | U |
| 2.592 | 0.1792 | 0.0000 | 60.023 | 0.17927 | 0.00000 | 276.7 | 276.7 | 0.0 | U |
| 2.600 | 0.4835 | 0.0000 | 60.023 | 0.18353 | 0.00000 | 282.2 | 282.2 | 0.0 | U |
| 2.608 | 0.1878 | 0.0000 | 60.023 | 0.18783 | 0.00000 | 287.7 | 287.7 | 0.0 | U |
| 2.617 | 0.1921 | 0.0000 | 60.024 | 0.19212 | 0.00000 | 293.4 | 293.4 | 0.0 | U |
| 2.625 | 0.1964 | 0.0000 | 60.024 | 0.19633 | 0.00000 | 299.3 | 299.3 | 0.0 | U |
| 2.633 | 0.2005 | 0.0000 | 60.025 | 0.20042 | 0.00000 | 305.2 | 305.2 | 0.0 | U |
| 2.642 | 0.2044 | 0.0000 | 60.025 | 0.20436 | 0.00000 | 311.3 | 311.3 | 0.0 | U |
| 2.650 | 0.2082 | 0.0000 | 60.026 | 0.20812 | 0.00000 | 317.5 | 317.5 | 0.0 | U |
| 2.658 | 0.2117 | 0.0000 | 60.026 | 0.21168 | 0.00000 | 323.8 | 323.8 | 0.0 | U |
| 2.667 | 0.2151 | 0.0000 | 60.027 | 0.21500 | 0.00000 | 330.2 | 330.2 | 0.0 | U |
| 2.675 | 0.2181 | 0.0000 | 60.027 | 0.21807 | 0.00000 | 336.7 | 336.7 | 0.0 | U |
| 2.683 | 0.2210 | 0.0000 | 60.028 | 0.22091 | 0.00000 | 343.3 | 343.3 | 0.0 | U |
| 2.692 | 0.2236 | 0.0000 | 60.028 | 0.22356 | 0.00000 | 349.9 | 349.9 | 0.0 | U |
| 2.700 | 0.2261 | 0.0000 | 60.029 | 0.22606 | 0.00000 | 356.7 | 356.7 | 0.0 | U |
| 2.708 | 0.2285 | 0.0000 | 60.030 | 0.22842 | 0.00000 | 363.5 | 363.5 | 0.0 | U |
| 2.717 | 0.2307 | 0.0000 | 60.030 | 0.23066 | 0.00000 | 370.4 | 370.4 | 0.0 | U |
| 2.725 | 0.2328 | 0.0000 | 60.031 | 0.23280 | 0.00000 | 377.3 | 377.3 | 0.0 | U |
| 2.733 | 0.2349 | 0.0000 | 60.031 | 0.23484 | 0.00000 | 384.4 | 384.4 | 0.0 | U |
| 2.742 | 0.2368 | 0.0000 | 60.032 | 0.23679 | 0.00000 | 391.4 | 391.4 | 0.0 | U |
| 2.750 | 0.2387 | 0.0000 | 60.032 | 0.23867 | 0.00000 | 398.6 | 398.6 | 0.0 | U |
| 2.758 | 0.2405 | 0.0000 | 60.033 | 0.24046 | 0.00000 | 405.7 | 405.7 | 0.0 | U |
| 2.767 | 0.2422 | 0.0000 | 60.034 | 0.24219 | 0.00000 | 413.0 | 413.0 | 0.0 | U |
| 2.775 | 0.2439 | 0.0000 | 60.034 | 0.24386 | 0.00000 | 420.3 | 420.3 | 0.0 | U |
| 2.783 | 0.2455 | 0.0000 | 60.035 | 0.24547 | 0.00000 | 427.6 | 427.6 | 0.0 | U |
| 2.792 | 0.2470 | 0.0000 | 60.035 | 0.24703 | 0.00000 | 435.0 | 435.0 | 0.0 | U |
| 2.800 | 0.2486 | 0.0000 | 60.036 | 0.24854 | 0.00000 | 442.4 | 442.4 | 0.0 | U |
| 2.808 | 0.2500 | 0.0000 | 60.037 | 0.25002 | 0.00000 | 449.9 | 449.9 | 0.0 | U |
| 2.817 | 0.2515 | 0.0000 | 60.037 | 0.25145 | 0.00000 | 457.4 | 457.4 | 0.0 | U |
| 2.825 | 0.2528 | 0.0000 | 60.038 | 0.25284 | 0.00000 | 465.0 | 465.0 | 0.0 | U |
| 2.833 | 0.2542 | 0.0000 | 60.038 | 0.25420 | 0.00000 | 472.6 | 472.6 | 0.0 | U |
| 2.842 | 0.2555 | 0.0000 | 60.039 | 0.25553 | 0.00000 | 480.3 | 480.3 | 0.0 | U |
| 2.850 | 0.2568 | 0.0000 | 60.040 | 0.25683 | 0.00000 | 487.9 | 487.9 | 0.0 | U |
| 2.858 | 0.2581 | 0.0000 | 60.040 | 0.25811 | 0.00000 | 495.7 | 495.7 | 0.0 | U |
| 2.867 | 0.2594 | 0.0000 | 60.041 | 0.25935 | 0.00000 | 503.4 | 503.4 | 0.0 | U |
| 2.875 | 0.2606 | 0.0000 | 60.042 | 0.26058 | 0.00000 | 511.2 | 511.2 | 0.0 | U |
| 2.883 | 0.2618 | 0.0000 | 60.042 | 0.26178 | 0.00000 | 519.1 | 519.1 | 0.0 | U |
| 2.892 | 0.2630 | 0.0000 | 60.043 | 0.26296 | 0.00000 | 526.9 | 526.9 | 0.0 | U |
| 2.900 | 0.2641 | 0.0000 | 60.044 | 0.26413 | 0.00000 | 534.8 | 534.8 | 0.0 | U |
| 2.908 | 0.2653 | 0.0000 | 60.044 | 0.26527 | 0.00000 | 542.8 | 542.8 | 0.0 | U |
| 2.917 | 0.2664 | 0.0000 | 60.045 | 0.26639 | 0.00000 | 550.8 | 550.8 | 0.0 | U |
| 2.925 | 0.2675 | 0.0000 | 60.045 | 0.26750 | 0.00000 | 558.8 | 558,8 | 0.0 | U |
| 2.933 | 0.2686 | 0.0000 | 60.046 | 0.26859 | 0.00000 | 566.8 | 566.8 | 0.0 | U |
| 2.942 | 0.2697 | 0.0000 | 60.047 | 0.26967 | 0.00000 | 574.9 | 574.9 | 0.0 | U |
| 2.950 | 0.2707 | 0.0000 | 60.047 | 0.27073 | 0.00000 | 583.0 | 583.0 | 0.0 | U |
| 2.958 | 0.2718 | 0.0000 | 60.048 | 0.27177 | 0.00000 | 591.1 | 591.1 | 0.0 | U |
| 2.967 | 0.2728 | 0.0000 | 60.049 | 0.27281 | 0.00000 | 599.3 | 599.3 | 0.0 | U |
| 2.975 | 0.2738 | 0.0000 | 60.049 | 0.27382 | 0.00000 | 607.5 | 607.5 | 0.0 | U |
| 2.983 | 0.2748 | 0.0000 | 60.050 | 0.27483 | 0.00000 | 615.7 | 615.7 | 0.0 | U |
| 2.992 | 0.2758 | 0.0000 | 60.051 | 0.27582 | 0.00000 | 624.0 | 624.0 | 0.0 | U |
| 3.000 | 0.2768 | 0.0000 | 60.051 | 0.27687 | 0.00000 | 632.3 | 632.3 | 0.0 | U |
| 3.008 | 0.2780 | 0.0000 | 60.052 | 0.27818 | 0.00000 | 640.6 | 640.6 | 0.0 | U |
| 3.017 | 0.2798 | 0.0000 | 60.053 | 0.27998 | 0.00000 | 649.0 | 649.0 | 0.0 | U |
| 3.025 | 0.2823 | 0.0000 | 60.054 | 0.28247 | 0.00000 | 657.4 | 657.4 | 0.0 | U |
| 3.033 | 0.2856 | 0.0000 | 60.054 | 0.28583 | 0.00000 | 665.9 | 665.9 | 0.0 | U |
| 3.042 | 0.2900 | 0.0000 | 60.055 | 0.29030 | 0.00000 | 674.5 | 674.5 | 0.0 | U |
| 3.050 | 0.2957 | 0.0000 | 60.056 | 0.29613 | 0.00000 | 683.3 | 683.3 | 0.0 | U |
| 3.058 | 0.3031 | 0.0000 | 60.056 | 0.30355 | 0.00000 | 692.3 | 692.3 | 0.0 | U |
| 3.067 | 0.3123 | 0.0000 | 60.057 | 0.31265 | 0.00000 | 701.5 | 701.5 | 0.0 | U |
| 3.075 | 0.3230 | 0.0000 | 60.058 | 0.32326 | 0.00000 | 711.1 | 711.1 | 0.0 | U |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Interim Pond $11100 \mathrm{Yr} / 24 \mathrm{Hr}$ w/ overflow from pond 10

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative <br> Discharge <br> Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 3.083 | 0.3349 | 0.0000 | 60.059 | 0.33511 | 0.00000 | 720.9 | 720.9 | 0.0 | U |
| 3.092 | 0.3477 | 0.0000 | 60.060 | 0.34788 | 0.00000 | 731.2 | 731.2 | 0.0 | U |
| 3.100 | 0.3612 | 0.0000 | 60.060 | 0.36123 | 0.00000 | 741.8 | 741.8 | 0.0 | U |
| 3.108 | 0.3748 | 0.0000 | 60.061 | 0.37483 | 0.00000 | 752.9 | 752.9 | 0.0 | U |
| 3.117 | 0.3885 | 0.0000 | 60.062 | 0.38845 | 0.00000 | 764.3 | 764.3 | 0.0 | U |
| 3.125 | 0.4020 | 0.0000 | 60.063 | 0.40187 | 0.00000 | 776.2 | 776.2 | 0.0 | U |
| 3.133 | 0.4150 | 0.0000 | 60.064 | 0.41486 | 0.00000 | 788.4 | 788.4 | 0.0 | U |
| 3.142 | 0.4274 | 0.0000 | 60.065 | 0.42726 | 0.00000 | 801.0 | 801.0 | 0.0 | U |
| 3.150 | 0.4392 | 0.0000 | 60.066 | 0.43900 | 0.00000 | 814.0 | 814.0 | 0.0 | U |
| 3.158 | 0.4502 | 0.0000 | 60.067 | 0.44998 | 0.00000 | 827.4 | 827.4 | 0.0 | U |
| 3.167 | 0.4603 | 0.0000 | 60.068 | 0.46006 | 0.00000 | 841.0 | 841.0 | 0.0 | U |
| 3.175 | 0.4694 | 0.0000 | 60.070 | 0.46914 | 0.00000 | 855.0 | 855.0 | 0.0 | U |
| 3.183 | 0.4775 | 0.0000 | 60.071 | 0.47726 | 0.00000 | 869.2 | 869.2 | 0.0 | U |
| 3.192 | 0.4847 | 0.0000 | 60.072 | 0.48458 | 0.00000 | 883.6 | 883.6 | 0.0 | U |
| 3.200 | 0.4914 | 0.0000 | 60.073 | 0.49124 | 0.00000 | 898.3 | 898.3 | 0.0 | U |
| 3.208 | 0.4975 | 0.0000 | 60.074 | 0.49734 | 0.00000 | 913.1 | 913.1 | 0.0 | U |
| 3.217 | 0.5031 | 0.0000 | 60.076 | 0.50295 | 0.00000 | 928.1 | 928.1 | 0.0 | U |
| 3.225 | 0.5082 | 0.0000 | 60.077 | 0.50814 | 0.00000 | 943.3 | 943.3 | 0.0 | U |
| 3.233 | 0.5131 | 0.0000 | 60.078 | 0.51297 | 0.00000 | 958.6 | 958.6 | 0.0 | U |
| 3.242 | 0.5175 | 0.0000 | 60.079 | 0.51746 | 0.00000 | 974.1 | 974.1 | 0.0 | U |
| 3.250 | 0.5217 | 0.0000 | 60.081 | 0.52164 | 0.00000 | 989.6 | 989.6 | 0.0 | U |
| 3.258 | 0.5256 | 0.0000 | 60.082 | 0.52552 | 0.00000 | 1005.4 | 1005.4 | 0.0 | U |
| 3.267 | 0.5292 | 0.0000 | 60.083 | 0.52914 | 0.00000 | 1021.2 | 1021.2 | 0.0 | U |
| 3.275 | 0.5326 | 0.0000 | 60.084 | 0.53253 | 0.00000 | 1037.1 | 1037.1 | 0.0 | U |
| 3.283 | 0.5358 | 0.0000 | 60.086 | 0.53573 | 0.00000 | 1053.1 | 1053.1 | 0.0 | U |
| 3.292 | 0.5388 | 0.0000 | 60.087 | 0.53874 | 0.00000 | 1069.2 | 1069.2 | 0.0 | U |
| 3.300 | 0.5416 | 0.0000 | 60.088 | 0.54159 | 0.00000 | 1085.5 | 1085.5 | 0.0 | U |
| 3.308 | 0.5443 | 0.0000 | 60.090 | 0.54428 | 0.00000 | 1101.7 | 1101.7 | 0.0 | U |
| 3.317 | 0.5469 | 0.0000 | 60.091 | 0.54684 | 0.00000 | 1118.1 | 1118.1 | 0.0 | U |
| 3.325 | 0.5493 | 0.0000 | 60.092 | 0.54928 | 0.00000 | 1134.6 | 1134.6 | 0.0 | U |
| 3.333 | 0.5516 | 0.0000 | 60.094 | 0.55160 | 0.00000 | 1151.1 | 1151.1 | 0.0 | U |
| 3.342 | 0.5538 | 0.0000 | 60.095 | 0.55382 | 0.00000 | 1167.7 | 1167.7 | 0.0 | U |
| 3.350 | 0.5560 | 0.0000 | 60.096 | 0.55595 | 0.00000 | 1184.3 | 1184.3 | 0.0 | U |
| 3.358 | 0.5580 | 0.0000 | 60.098 | 0.55800 | 0.00000 | 1201.0 | 1201.0 | 0.0 | U |
| 3.367 | 0.5600 | 0.0000 | 60.099 | 0.55998 | 0.00000 | 1217.8 | 1217.8 | 0.0 | U |
| 3.375 | 0.5619 | 0.0000 | 60.101 | 0.56188 | 0.00000 | 1234.6 | 1234.6 | 0.0 | U |
| 3.383 | 0.5637 | 0.0000 | 60.102 | 0.56373 | 0.00000 | 1251.5 | 1251.5 | 0.0 | U |
| 3.392 | 0.5655 | 0.0000 | 60.103 | 0.56551 | 0.00000 | 1268.4 | 1268.4 | 0.0 | U |
| 3.400 | 0.5673 | 0.0000 | 60.105 | 0.56724 | 0.00000 | 1285.4 | 1285.4 | 0.0 | U |
| 3.408 | 0.5689 | 0.0000 | 60.106 | 0.56892 | 0.00000 | 1302.5 | 1302.5 | 0.0 | U |
| 3.417 | 0.5706 | 0.0000 | 60.107 | 0.57055 | 0.00000 | 1319.6 | 1319.6 | 0.0 | U |
| 3.425 | 0.5721 | 0.0000 | 60.109 | 0.57214 | 0.00000 | 1336.7 | 1336.7 | 0.0 | U |
| 3.433 | 0.5737 | 0.0000 | 60.110 | 0.57368 | 0.00000 | 1353.9 | 1353.9 | 0.0 | U |
| 3.442 | 0.5752 | 0.0000 | 60.112 | 0.57519 | 0.00000 | 1371.1 | 1371.1 | 0.0 | U |
| 3.450 | 0.5767 | 0.0000 | 60.113 | 0.57667 | 0.00000 | 1388.4 | 1388.4 | 0.0 | U |
| 3.458 | 0.5781 | 0.0000 | 60.114 | 0.57812 | 0.00000 | 1405.7 | 1405.7 | 0.0 | U |
| 3.467 | 0.5795 | 0.0000 | 60.116 | 0.57953 | 0.00000 | 1423.1 | 1423.1 | 0.0 | U |
| 3.475 | 0.5809 | 0.0000 | 60.117 | 0.58092 | 0.00000 | \$440.5 | 1440.5 | 0.0 | U |
| 3.483 | 0.5823 | 0.0000 | 60.119 | 0.58228 | 0.00000 | 1457.9 | 1457.9 | 0.0 | U |
| 3.492 | 0.5836 | 0.0000 | 60.120 | 0.58361 | 0.00000 | 1475.4 | 1475.4 | 0.0 | U |
| 3.500 | 0.5849 | 0.0000 | 60.122 | 0.58492 | 0.00000 | 1493.0 | 1493.0 | 0.0 | U |
| 3.508 | 0.5862 | 0.0000 | 60.123 | 0.58628 | 0.00000 | 1510.5 | 1510.5 | 0.0 | U |
| 3.517 | 0.5877 | 0.0000 | 60.124 | 0.58776 | 0.00000 | 1528.1 | 1528.1 | 0.0 | U |
| 3.525 | 0.5894 | 0.0000 | 60.126 | 0.58946 | 0.00000 | 1545.8 | 1545.8 | 0.0 | U |
| 3.533 | 0.5914 | 0.0000 | 60.127 | 0.59145 | 0.00000 | 1563.5 | 1563.5 | 0.0 | U |
| 3.542 | 0.5937 | 0.0000 | 60.129 | 0.59380 | 0.00000 | 1581.3 | 1581.3 | 0.0 | U |
| 3.550 | 0.5965 | 0.0000 | 60.130 | 0.59661 | 0.00000 | 1599.1 | 1599.1 | 0.0 | U |
| 3.558 | 0.5998 | 0.0000 | 60.132 | 0.59999 | 0.00000 | 1617.1 | 1617.1 | 0.0 | U |
| 3.567 | 0.6038 | 0.0000 | 60.133 | 0.60398 | 0.00000 | 1635.1 | 1635.1 | 0.0 | U |
| 3.575 | 0.6085 | 0.0000 | 60.135 | 0.60859 | 0.00000 | 1653.3 | 1653.3 | 0.0 | U |
| 3.583 | 0.6136 | 0.0000 | 60.136 | 0.61370 | 0.00000 | 1671.6 | 1671.6 | 0.0 | U |
| 3.592 | 0.6191 | 0.0000 | 60.138 | 0.61922 | 0.00000 | 1690.1 | 1690.1 | 0.0 | U |
| 3.600 | 0.6250 | 0.0000 | 60.139 | 0.62500 | 0.00000 | 1708.8 | 1708.8 | 0.0 | U |
| 3.608 | 0.6309 | 0.0000 | 60.141 | 0.63091 | 0.00000 | 1727.6 | 1727.6 | 0.0 | U |
| 3.617 | 0.6369 | 0.0000 | 60.142 | 0.63685 | 0.00000 | 1746.6 | 1746.6 | 0.0 | U |
| 3.625 | 0.6428 | 0.0000 | 60.144 | 0.64273 | 0.00000 | 1765.8 | 1765.8 | 0.0 | U |
| 3.633 | 0.6485 | 0.0000 | 60.145 | 0.64844 | 0.00000 | 1785.2 | 1785.2 | 0.0 | U |
| 3.642 | 0.6540 | 0.0000 | 60.147 | 0.65394 | 0.00000 | 1804.8 | 1804.8 | 0.0 | U |
| 3.650 | 0.6592 | 0.0000 | 60.149 | 0.65916 | 0.00000 | 1824.4 | 1824.4 | 0.0 | U |
| 3.658 | 0.6642 | 0.0000 | 60.150 | 0.66408 | 0.00000 | 1844.3 | 1844.3 | 0.0 | U |
| 3.667 | 0.6688 | 0.0000 | 60.152 | 0.66865 | 0.00000 | 1864.3 | 1864.3 | 0.0 | U |
| 3.675 | 0.6729 | 0.0000 | 60.153 | 0.67283 | 0.00000 | 1884.4 | 1884.4 | 0.0 | U |
| 3.683 | 0.6767 | 0.0000 | 60.155 | 0.67661 | 0.00000 | 1904.7 | 1904.7 | 0.0 | U |
| 3.692 | 0.6801 | 0.0000 | 60.157 | 0.68002 | 0.00000 | 1925.0 | 1925.0 | 0.0 | U |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Interim Pond $11100 \mathrm{Yr} / 24 \mathrm{Hr}$ w/ overflow from pond 10

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}} \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ff}^{3}$ ) | Cumulative Infifitration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 3.700 | 0.6832 | 0.0000 | 60.158 | 0.68314 | 0.00000 | 1945.5 | 1945.5 | 0.0 | U |
| 3.708 | 0.6861 | 0.0000 | 60.160 | 0.68600 | 0.00000 | 1966.0 | 1966.0 | 0.0 | U |
| 3.717 | 0.6887 | 0.0000 | 60.162 | 0.68865 | 0.00000 | 1986.6 | 1986.6 | 0.0 | U |
| 3.725 | 0.6912 | 0.0000 | 60.163 | 0.69111 | 0.00000 | 2007.3 | 2007.3 | 0.0 | U |
| 3.733 | 0.6934 | 0.0000 | 60.165 | 0.69341 | 0.00000 | 2028.1 | 2028.1 | 0.0 | U |
| 3.742 | 0.6956 | 0.0000 | 60.167 | 0.69556 | 0.00000 | 2048.9 | 2048.9 | 0.0 | U |
| 3.750 | 0.6976 | 0.0000 | 60.169 | 0.69757 | 0.00000 | 2069.8 | 2069.8 | 0.0 | U |
| 3.758 | 0.6995 | 0.0000 | 60.170 | 0.69947 | 0.00000 | 2090.8 | 2090.8 | 0.0 | U |
| 3.767 | 0.7013 | 0.0000 | 60.172 | 0.70124 | 0.00000 | 2111.8 | 2111.8 | 0.0 | U |
| 3.775 | 0.7029 | 0.0000 | 60.174 | 0.70291 | 0.00000 | 2132.9 | 2132.9 | 0.0 | U |
| 3.783 | 0.7045 | 0.0000 | 60.175 | 0.70449 | 0.00000 | 2154.0 | 2154.0 | 0.0 | U |
| 3.792 | 0.7060 | 0.0000 | 60.177 | 0.70600 | 0.00000 | 2175.1 | 2175.1 | 0.0 | U |
| 3.800 | 0.7074 | 0.0000 | 60.179 | 0.70743 | 0.00000 | 2196.3 | 2196.3 | 0.0 | U |
| 3.808 | 0.7088 | 0.0000 | 60.181 | 0.70879 | 0.00000 | 2217.6 | 2217.6 | 0.0 | U |
| 3.817 | 0.7101 | 0.0000 | 60.182 | 0.71010 | 0.00000 | 2238.9 | 2238.9 | 0.0 | U |
| 3.825 | 0.7114 | 0.0000 | 60.184 | 0.71134 | 0.00000 | 2260.2 | 2260.2 | 0.0 | U |
| 3.833 | 0.7126 | 0.0000 | 60.186 | 0.71254 | 0.00000 | 2281.5 | 2281.5 | 0.0 | $\cup$ |
| 3.842 | 0.7137 | 0.0000 | 60.187 | 0.71370 | 0.00000 | 2302.9 | 2302.9 | 0.0 | U |
| 3.850 | 0.7148 | 0.0000 | 60.189 | 0.71481 | 0.00000 | 2324.4 | 2324.4 | 0.0 | U |
| 3.858 | 0.7159 | 0.0000 | 60.191 | 0.71589 | 0.00000 | 2345.8 | 2345.8 | 0.0 | U |
| 3.867 | 0.7169 | 0.0000 | 60.193 | 0.71693 | 0.00000 | 2367.3 | 2367.3 | 0.0 | U |
| 3.875 | 0.7179 | 0.0000 | 60.194 | 0.71794 | 0.00000 | 2388.8 | 2388.8 | 0.0 | U |
| 3.883 | 0.7189 | 0.0000 | 60.196 | 0.71893 | 0.00000 | 2410.4 | 2410.4 | 0.0 | U |
| 3.892 | 0.7199 | 0.0000 | 60.198 | 0.71988 | 0.00000 | 2432.0 | 2432.0 | 0.0 | U |
| 3.900 | 0.7208 | 0.0000 | 60.200 | 0.72081 | 0.00000 | 2453.6 | 2453.6 | 0.0 | U |
| 3.908 | 0.7217 | 0.0000 | 60.202 | 0.72172 | 0.00000 | 2475.2 | 2475.2 | 0.0 | U |
| 3.917 | 0.7226 | 0.0000 | 60.203 | 0.72261 | 0.00000 | 2496.9 | 2496.9 | 0.0 | U |
| 3.925 | 0.7235 | 0.0000 | 60.205 | 0.72348 | 0.00000 | 2518.6 | 2518.6 | 0.0 | U |
| 3.933 | 0.7243 | 0.0000 | 60.207 | 0.72433 | 0.00000 | 2540.3 | 2540.3 | 0.0 | U |
| 3.942 | 0.7252 | 0.0000 | 60.209 | 0.72516 | 0.00000 | 2562.0 | 2562.0 | 0.0 | U |
| 3.950 | 0.7260 | 0.0000 | 60.210 | 0.72597 | 0.00000 | 2583.8 | 2583.8 | 0.0 | U |
| 3.958 | 0.7268 | 0.0000 | 60.212 | 0.72677 | 0.00000 | 2605.6 | 2605.6 | 0.0 | U |
| 3.967 | 0.7276 | 0.0000 | 60.214 | 0.72756 | 0.00000 | 2627.4 | 2627.4 | 0.0 | U |
| 3.975 | 0.7283 | 0.0000 | 60.216 | 0.72833 | 0.00000 | 2649.2 | 2649.2 | 0.0 | U |
| 3.983 | 0.7291 | 0.0000 | 60.217 | 0.72909 | 0.00000 | 2671.1 | 2671.1 | 0.0 | U |
| 3.992 | 0.7298 | 0.0000 | 60.219 | 0.72984 | 0.00000 | 2693.0 | 2693.0 | 0.0 | U |
| 4.000 | 0.7306 | 0.0000 | 60.221 | 0.73058 | 0.00000 | 2714.9 | 2714.9 | 0.0 | U |
| 4.008 | 0.7313 | 0.0000 | 60.223 | 0.73140 | 0.00000 | 2736.8 | 2736.8 | 0.0 | U |
| 4.017 | 0.7324 | 0.0000 | 60.225 | 0.73256 | 0.00000 | 2758.8 | 2758.8 | 0.0 | U |
| 4.025 | 0.7341 | 0.0000 | 60.226 | 0.73437 | 0.00000 | 2780.8 | 2780.8 | 0.0 | U |
| 4.033 | 0.7368 | 0.0000 | 60.228 | 0.73705 | 0.00000 | 2802.8 | 2802.8 | 0.0 | U |
| 4.042 | 0.7405 | 0.0000 | 60.230 | 0.74085 | 0.00000 | 2825.0 | 2825.0 | 0.0 | U |
| 4.050 | 0.7456 | 0.0000 | 60.232 | 0.74604 | 0.00000 | 2847.3 | 2847.3 | 0.0 | U |
| 4.058 | 0.7525 | 0.0000 | 60.234 | 0.75295 | 0.00000 | 2869.8 | 2869.8 | 0.0 | U |
| 4.067 | 0.7613 | 0.0000 | 60.235 | 0.76186 | 0.00000 | 2892.5 | 2892.5 | 0.0 | U |
| 4.075 | 0.7724 | 0.0000 | 60.237 | 0.77284 | 0.00000 | 2915.5 | 2915.5 | 0.0 | U |
| 4.083 | 0.7853 | 0.0000 | 60.239 | 0.78568 | 0.00000 | 2938.8 | 2938.8 | 0.0 | $\cup$ |
| 4.092 | 0.7997 | 0.0000 | 60.241 | 0.80000 | 0.00000 | 2962.6 | 2962.6 | 0.0 | U |
| 4.100 | 0.8152 | 0.0000 | 60.243 | 0.81086 | 0.00000 | 2986.8 | 2986.8 | 0.0 | U |
| 4.108 | 0.8314 | 0.0000 | 86.000 | 0.81424 | 0.00000 | 3011.5 | 3011.3 | 0.0 | U/P |
| 4.117 | 0.8478 | 0.0000 | 86.000 | 0.81426 | 0.00000 | 3036.7 | 3035.7 | 0.0 | U/P |
| 4.125 | 0.8641 | 0.0000 | 86.000 | 0.81429 | 0.00000 | 3062.4 | 3060.1 | 0.0 | U/P |
| 4.133 | 0.8801 | 0.0000 | 86.000 | 0.81433 | 0.00000 | 3088.6 | 3084.6 | 0.0 | U/P |
| 4.142 | 0.8954 | 0.0000 | 86.000 | 0.81440 | 0.00000 | 3115.2 | 3109.0 | 0.0 | U/P |
| 4.150 | 0.9099 | 0.0000 | 86.001 | 0.81447 | 0.00000 | 3142.3 | 3133.4 | 0.0 | U/P |
| 4.158 | 0.9235 | 0.0000 | 86.001 | 0.81456 | 0.00000 | 3169.8 | 3157.9 | 0.0 | U/P |
| 4.167 | 0.9361 | 0.0000 | 86.001 | 0.81466 | 0.00000 | 3197.7 | 3182.3 | 0.0 | U/P |
| 4.175 | 0.9475 | 0.0000 | 86.001 | 0.81478 | 0.00000 | 3225.9 | 3206.7 | 0.0 | U/P |
| 4.183 | 0.9575 | 0.0000 | 86.002 | 0.81490 | 0.00000 | 3254.5 | 3231.2 | 0.0 | U/P |
| 4.192 | 0.9663 | 0.0000 | 86.002 | 0.81504 | 0.00000 | 3283.4 | 3255.6 | 0.0 | U/P |
| 4.200 | 0.9740 | 0.0000 | 86.002 | 0.81518 | 0.00000 | 3312.5 | 3280.1 | 0.0 | U/P |
| 4.208 | 0.9810 | 0.0000 | 86.003 | 0.81533 | 0.00000 | 3341.8 | 3304.5 | 0.0 | U/P |
| 4.217 | 0.9872 | 0.0000 | 86.003 | 0.81548 | 0.00000 | 3371.3 | 3329.0 | 0.0 | U/P |
| 4.225 | 0.9928 | 0.0000 | 86.003 | 0.81564 | 0.00000 | 3401.0 | 3353.5 | 0.0 | U/P |
| 4.233 | 0.9978 | 0.0000 | 86.004 | 0.81581 | 0.00000 | 3430.9 | 3377.9 | 0.0 | U/P |
| 4.242 | 1.0025 | 0.0000 | 86.004 | 0.81598 | 0.00000 | 3460.9 | 3402.4 | 0.0 | U/P |
| 4.250 | 1.0067 | 0.0000 | 86.005 | 0.81616 | 0.00000 | 3491.0 | 3426.9 | 0.0 | U/P |
| 4.258 | 1.0105 | 0.0000 | 86.005 | 0.81633 | 0.00000 | 3521.3 | 3451.4 | 0.0 | U/P |
| 4.267 | 1.0140 | 0.0000 | 86.005 | 0.81652 | 0.00000 | 3551.6 | 3475.9 | 0.0 | U/P |
| 4.275 | 1.0171 | 0.0000 | 86.006 | 0.81670 | 0.00000 | 3582.1 | 3500.4 | 0.0 | U/P |
| 4.283 | 1.0199 | 0.0000 | 86.006 | 0.81689 | 0.00000 | 3612.7 | 3524.9 | 0.0 | U/P |
| 4.292 | 1.0225 | 0.0000 | 86.007 | 0.81708 | 0.00000 | 3643.3 | 3549.4 | 0.0 | U/P |
| 4.300 | 1.0249 | 0.0000 | 86.007 | 0.81727 | 0.00000 | 3674.0 | 3573.9 | 0.0 | U/P |
| 4.308 | 1.0272 | 0.0000 | 86.008 | 0.81747 | 0.00000 | 3704.8 | 3598.4 | 0.0 | U/P |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: Interim Pond $11100 \mathrm{Yr} / 24 \mathrm{Hr}$ w/ overflow from pond 10

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (fiday) | Stage Elevation (ft datum) | infiltration Rate ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4.317 | 1.0292 | 0.0000 | 86.008 | 0.81766 | 0.00000 | 3735.6 | 3623.0 | 0.0 | U/P |
| 4.325 | 1.0311 | 0.0000 | 86.008 | 0.81786 | 0.00000 | 3766.5 | 3647.5 | 0.0 | U/P |
| 4.333 | 1.0328 | 0.0000 | 86.009 | 0.81806 | 0.00000 | 3797.5 | 3672.0 | 0.0 | U/P |
| 4.342 | 1.0344 | 0.0000 | 86.009 | 0.81826 | 0.00000 | 3828.5 | 3696.6 | 0.0 | U/P |
| 4.350 | 1.0359 | 0.0000 | 86.010 | 0.81846 | 0.00000 | 3859.6 | 3721.1 | 0.0 | U/P |
| 4.358 | 1.0373 | 0.0000 | 86.010 | 0.81867 | 0.00000 | 3890.7 | 3745.7 | 0.0 | U/P |
| 4.367 | 1.0387 | 0.0000 | 86.011 | 0.81887 | 0.00000 | 3921.8 | 3770.2 | 0.0 | U/P |
| 4.375 | 1.0399 | 0.0000 | 86.011 | 0.81908 | 0.00000 | 3953.0 | 3794.8 | 0.0 | U/P |
| 4.383 | 1.0417 | 0.0000 | 86.012 | 0.81928 | 0.00000 | 3984.2 | 3819.4 | 0.0 | U/P |
| 4.392 | 1.0422 | 0.0000 | 86.012 | 0.81949 | 0.00000 | 4015.4 | 3844.0 | 0.0 | U/P |
| 4.400 | 1.0433 | 0.0000 | 86.013 | 0.81970 | 0.00000 | 4046.7 | 3868.6 | 0.0 | U/P |
| 4.408 | 1.0443 | 0.0000 | 86.013 | 0.81991 | 0.00000 | 4078.0 | 3893.1 | 0.0 | U/P |
| 4.417 | 1.0452 | 0.0000 | 86.014 | 0.82012 | 0.00000 | 4109.4 | 3917.7 | 0.0 | U/P |
| 4.425 | 1.0461 | 0.0000 | 86.014 | 0.82033 | 0.00000 | 4140.7 | 3942.4 | 0.0 | U/P |
| 4.433 | 1.0470 | 0.0000 | 86.015 | 0.82054 | 0.00000 | 4172.1 | 3967.0 | 0.0 | U/P |
| 4.442 | 1.0479 | 0.0000 | 86.015 | 0.82075 | 0.00000 | 4203.6 | 3991.6 | 0.0 | U/P |
| 4.450 | 1.0487 | 0.0000 | 86.015 | 0.82096 | 0.00000 | 4235.0 | 4016.2 | 0.0 | U/P |
| 4.458 | 1.0495 | 0.0000 | 86.016 | 0.82117 | 0.00000 | 4266.5 | 4040.8 | 0.0 | U/P |
| 4.467 | 1.0502 | 0.0000 | 86.016 | 0.82139 | 0.00000 | 4298.0 | 4065.5 | 0.0 | U/P |
| 4.475 | 1.0510 | 0.0000 | 86.017 | 0.82160 | 0.00000 | 4329.5 | 4090.1 | 0.0 | U/P |
| 4.483 | 1.0517 | 0.0000 | 86.017 | 0.82181 | 0.00000 | 4361.0 | 4114.8 | 0.0 | U/P |
| 4.492 | 1.0524 | 0.0000 | 86.018 | 0.82203 | 0.00000 | 4392.6 | 4139.4 | 0.0 | U/P |
| 4.500 | 1.0531 | 0.0000 | 86.018 | 0.82224 | 0.00000 | 4424.2 | 4164.1 | 0.0 | U/P |
| 4.508 | 1.0537 | 0.0000 | 86.019 | 0.82246 | 0.00000 | 4455.8 | 4188.8 | 0.0 | U/P |
| 4.517 | 1.0544 | 0.0000 | 86.019 | 0.82267 | 0.00000 | 4487.4 | 4213.4 | 0.0 | U/P |
| 4.525 | 1.0552 | 0.0000 | 86.020 | 0.82289 | 0.00000 | 4519.1 | 4238.1 | 0.0 | U/P |
| 4.533 | 1.0561 | 0.0000 | 86.020 | 0.82311 | 0.00000 | 4550.7 | 4262.8 | 0.0 | U/P |
| 4.542 | 1.0571 | 0.0000 | 86.021 | 0.82332 | 0.00000 | 4582.4 | 4287.5 | 0.0 | U/P |
| 4.550 | 1.0584 | 0.0000 | 86.021 | 0.82354 | 0.00000 | 4614.1 | 4312.2 | 0.0 | U/P |
| 4.558 | 1.0600 | 0.0000 | 86.022 | 0.82376 | 0.00000 | 4645.9 | 4336.9 | 0.0 | U/P |
| 4.567 | 1.0619 | 0.0000 | 86.022 | 0.82398 | 0.00000 | 4677.8 | 4361.6 | 0.0 | U/P |
| 4.575 | 1.0642 | 0.0000 | 86.023 | 0.82420 | 0.00000 | 4709.6 | 4386.4 | 0.0 | U/P |
| 4.583 | 1.0669 | 0.0000 | 86.023 | 0.82442 | 0.00000 | 4741.6 | 4411.1 | 0.0 | U/P |
| 4.592 | 1.0699 | 0.0000 | 86.024 | 0.82465 | 0.00000 | 4773.7 | 4435.8 | 0.0 | U/P |
| 4.600 | 1.0731 | 0.0000 | 86.024 | 0.82487 | 0.00000 | 4805.8 | 4460.6 | 0.0 | U/P |
| 4.608 | 1.0765 | 0.0000 | 86.025 | 0.82511 | 0.00000 | 4838.1 | 4485.3 | 0.0 | U/P |
| 4.617 | 1.0800 | 0.0000 | 86.025 | 0.82534 | 0.00000 | 4870.4 | 4510.1 | 0.0 | U/P |
| 4.625 | 1.0835 | 0.0000 | 86.026 | 0.82557 | 0.00000 | 4902.9 | 4534.8 | 0.0 | U/P |
| 4.633 | 1.0869 | 0.0000 | 86.027 | 0.82581 | 0.00000 | 4935.4 | 4559.6 | 0.0 | U/P |
| 4.642 | 1.0903 | 0.0000 | 86.027 | 0.82606 | 0.00000 | 4968.1 | 4584.4 | 0.0 | U/P |
| 4.650 | 1.0934 | 0.0000 | 86.028 | 0.82630 | 0.00000 | 5000.8 | 4609.2 | 0.0 | U/P |
| 4.658 | 1.0965 | 0.0000 | 86.028 | 0.82655 | 0.00000 | 5033.7 | 4634.0 | 0.0 | U/P |
| 4.667 | 1.0993 | 0.0000 | 86.029 | 0.82680 | 0.00000 | 5066.6 | 4658.8 | 0.0 | U/P |
| 4.675 | 1.1019 | 0.0000 | 86.029 | 0.82705 | 0.00000 | 5099.6 | 4683.6 | 0.0 | U/P |
| 4.683 | 1.1042 | 0.0000 | 86.030 | 0.82731 | 0.00000 | 5132.7 | 4708.4 | 0.0 | U/P |
| 4.692 | 1.1063 | 0.0000 | 86.030 | 0.82756 | 0.00000 | 5165.9 | 4733.2 | 0.0 | U/P |
| 4.700 | 1.1082 | 0.0000 | 86.031 | 0.82782 | 0.00000 | 5199.1 | 4758.1 | 0.0 | U/P |
| 4.708 | 1.1099 | 0.0000 | 86.032 | 0.82808 | 0.00000 | 5232.4 | 4782.9 | 0.0 | U/P |
| 4.717 | 1.1115 | 0.0000 | 86.032 | 0.82834 | 0.00000 | 5265.7 | 4807.7 | 0.0 | U/P |
| 4.725 | \$.1129 | 0.0000 | 86.033 | 0.82860 | 0.00000 | 5299.1 | 4832.6 | 0.0 | U/P |
| 4.733 | 1.1142 | 0.0000 | 86.033 | 0.82886 | 0.00000 | 5332.5 | 4857.5 | 0.0 | U/P |
| 4.742 | 1.1154 | 0.0000 | 86.034 | 0.82913 | 0.00000 | 5365.9 | 4882.3 | 0.0 | U/P |
| 4.750 | 1.1165 | 0.0000 | 86.035 | 0.82939 | 0.00000 | 5399.4 | 4907.2 | 0.0 | U/P |
| 4.758 | 1.1176 | 0.0000 | 86.035 | 0.82966 | 0.00000 | 5432.9 | 4932.1 | 0.0 | U/P |
| 4.767 | 1.1185 | 0.0000 | 86.036 | 0.82992 | 0.00000 | 5466.4 | 4957.0 | 0.0 | U/P |
| 4.775 | 1.1194 | 0.0000 | 86.036 | 0.83019 | 0.00000 | 5500.0 | 4981.9 | 0.0 | U/P |
| 4.783 | 1.1202 | 0.0000 | 86.037 | 0.83046 | 0.00000 | 5533.6 | 5006.8 | 0.0 | U/P |
| 4.792 | 1.1210 | 0.0000 | 86.038 | 0.83072 | 0.00000 | 5567.2 | 5031.7 | 0.0 | U/P |
| 4.800 | 1.1218 | 0.0000 | 86.038 | 0.83099 | 0.00000 | 5600.9 | 5056.6 | 0.0 | U/P |
| 4.808 | 1.1225 | 0.0000 | 86.039 | 0.83126 | 0.00000 | 5634.5 | 5081.6 | 0.0 | U/P |
| 4.817 | 1.1231 | 0.0000 | 86.040 | 0.83153 | 0.00000 | 5668.2 | 5106.5 | 0.0 | U/P |
| 4.825 | 1.1238 | 0.0000 | 86.040 | 0.83180 | 0.00000 | 5701.9 | 5131.5 | 0.0 | U/P |
| 4.833 | 1.1243 | 0.0000 | 86.041 | 0.83206 | 0.00000 | 5735.6 | 5156.4 | 0.0 | U/P |
| 4.842 | 1.1249 | 0.0000 | 86.041 | 0.83233 | 0.00000 | 5769.4 | 5181.4 | 0.0 | U/P |
| 4.850 | 1.1254 | 0.0000 | 86.042 | 0.83260 | 0.00000 | 5803.1 | 5206.4 | 0.0 | U/P |
| 4.858 | 1.1260 | 0.0000 | 86.043 | 0.83287 | 0.00000 | 5836.9 | 5231.3 | 0.0 | U/P |
| 4.867 | 1.1265 | 0.0000 | 86.043 | 0.83314 | 0.00000 | 5870.7 | 5256.3 | 0.0 | U/P |
| 4.875 | 1.1269 | 0.0000 | 86.044 | 0.83341 | 0.00000 | 5904.5 | 5281.3 | 0.0 | U/P |
| 4.883 | 1.1274 | 0.0000 | 86.044 | 0.83368 | 0.00000 | 5938.3 | 5306.3 | 0.0 | U/P |
| 4.892 | 1.1279 | 0.0000 | 86.045 | 0.83395 | 0.00000 | 5972.1 | 5331.3 | 0.0 | U/P |
| 4.900 | 1.1283 | 0.0000 | 86.046 | 0.83422 | 0.00000 | 6006.0 | 5356.4 | 0.0 | U/P |
| 4.908 | 1.1287 | 0.0000 | 86.046 | 0.83449 | 0.00000 | 6039.8 | 5381.4 | 0.0 | U/P |
| 4.917 | 1.1291 | 0.0000 | 86.047 | 0.83476 | 0.00000 | 6073.7 | 5406.4 | 0.0 | U/P |
| 4.925 | 1.1295 | 0.0000 | 86.047 | 0.83503 | 0.00000 | 6107.6 | 5431.5 | 0.0 | U/P |

PONDS Version 3.2.0207

# Retention Pond Recovery - Refined Method <br> Copyright 2003 

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario $1::$ Interim Pond $11100 \mathrm{Yr} / 24 \mathrm{Hr}$ w/ overflow from pond 10

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation ( ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow <br> Discharge ( $\mathrm{fi}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{t}^{3}$ ) | Cumulative Infiltration Volume $\left(\mathrm{f}^{3}\right)$ | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4.933 | 1.1299 | 0.0000 | 86.048 | 0.83530 | 0.00000 | 6141.5 | 5456.5 | 0.0 | U/P |
| 4.942 | 1.1303 | 0.0000 | 86.049 | 0.83557 | 0.00000 | 6175.4 | 5481.6 | 0.0 | U/P |
| 4.950 | 1.1307 | 0.0000 | 86.049 | 0.83584 | 0.00000 | 6209.3 | 5506.7 | 0.0 | U/P |
| 4.958 | 1.1310 | 0.0000 | 86.050 | 0.83611 | 0.00000 | 6243.2 | 5531.8 | 0.0 | U/P |
| 4.967 | 1.1314 | 0.0000 | 86.051 | 0.83638 | 0.00000 | 6277.1 | 5556.8 | 0.0 | U/P |
| 4.975 | 1.1317 | 0.0000 | 86.051 | 0.83665 | 0.00000 | 6311.1 | 5581.9 | 0.0 | U/P |
| 4.983 | 1.1321 | 0.0000 | 86.052 | 0.83692 | 0.00000 | 6345.0 | 5607.0 | 0.0 | U/P |
| 4.992 | 1.1324 | 0.0000 | 86.052 | 0.83719 | 0.00000 | 6379.0 | 5632.2 | 0.0 | U/P |
| 5.000 | 1.1328 | 0.0000 | 86.053 | 0.83746 | 0.00000 | 6413.0 | 5657.3 | 0.0 | U/P |
| 5.008 | 1.1333 | 0.0000 | 86.054 | 0.83773 | 0.00000 | 6447.0 | 5682.4 | 0.0 | U/P |
| 5.017 | 1.1339 | 0.0000 | 86.054 | 0.83800 | 0.00000 | 6481.0 | 5707.5 | 0.0 | U/P |
| 5.025 | 1.1347 | 0.0000 | 86.055 | 0.83827 | 0.00000 | 6515.0 | 5732.7 | 0.0 | U/P |
| 5.033 | 1.1357 | 0.0000 | 86.055 | 0.83854 | 0.00000 | 6549.1 | 5757.8 | 0.0 | U/P |
| 5.042 | 1.1370 | 0.0000 | 86.056 | 0.83881 | 0.00000 | 6583.2 | 5783.0 | 0.0 | U/P |
| 5.050 | 1.1386 | 0.0000 | 86.057 | 0.83909 | 0.00000 | 6617.3 | 5808.2 | 0.0 | U/P |
| 5.058 | 1.1405 | 0.0000 | 86.057 | 0.83936 | 0.00000 | 6651.5 | 5833.3 | 0.0 | U/P |
| 5.067 | 1.1427 | 0.0000 | 86.058 | 0.83963 | 0.00000 | 6685.7 | 5858.5 | 0.0 | U/P |
| 5.075 | 1.1452 | 0.0000 | 86.059 | 0.83991 | 0.00000 | 6720.1 | 5883.7 | 0.0 | U/P |
| 5.083 | 1.1478 | 0.0000 | 86.059 | 0.84019 | 0.00000 | 6754.4 | 5908.9 | 0.0 | U/P |
| 5.092 | 1.1505 | 0.0000 | 86.060 | 0.84047 | 0.00000 | 6788.9 | 5934.1 | 0.0 | U/P |
| 5.100 | 1.1533 | 0.0000 | 86.060 | 0.84075 | 0.00000 | 6823.5 | 5959.3 | 0.0 | U/P |
| 5.108 | 1.1561 | 0.0000 | 86.061 | 0.84104 | 0.00000 | 6858.1 | 5984.6 | 0.0 | U/P |
| 5.117 | 1.1588 | 0.0000 | 86.062 | 0.84132 | 0.00000 | 6892.8 | 6009.8 | 0.0 | U/P |
| 5.125 | 1.1614 | 0.0000 | 86.062 | 0.84161 | 0.00000 | 6927.6 | 6035.1 | 0.0 | U/P |
| 5.133 | 1.1638 | 0.0000 | 86.063 | 0.84190 | 0.00000 | 6962.5 | 6060.3 | 0.0 | U/P |
| 5.142 | 1.1662 | 0.0000 | 86.064 | 0.84220 | 0.00000 | 6997.5 | 6085.6 | 0.0 | U/P |
| 5.150 | 1.1683 | 0.0000 | 86.064 | 0.84249 | 0.00000 | 7032.5 | 6110.8 | 0.0 | U/P |
| 5.158 | 1.1703 | 0.0000 | 86.065 | 0.84279 | 0.00000 | 7067.6 | 6136.1 | 0.0 | U/P |
| 5.167 | 1.1720 | 0.0000 | 86.066 | 0.84308 | 0.00000 | 7102.7 | 6161.4 | 0.0 | U/P |
| 5.175 | 1.1736 | 0.0000 | 86.066 | 0.84338 | 0.00000 | 7137.9 | 6186.7 | 0.0 | U/P |
| 5.183 | 1.1749 | 0.0000 | 86.067 | 0.84368 | 0.00000 | 7173.1 | 6212.0 | 0.0 | U/P |
| 5.192 | 1.1762 | 0.0000 | 86.068 | 0.84398 | 0.00000 | 7208.4 | 6237.3 | 0.0 | U/P |
| 5.200 | 1.1773 | 0.0000 | 86.068 | 0.84428 | 0.00000 | 7243.7 | 6262.6 | 0.0 | U/P |
| 5.208 | 1.1783 | 0.0000 | 86.069 | 0.84459 | 0.00000 | 7279.0 | 6288.0 | 0.0 | U/P |
| 5.217 | 1.1793 | 0.0000 | 86.070 | 0.84489 | 0.00000 | 7314.4 | 6313.3 | 0.0 | U/P |
| 5.225 | 1.1801 | 0.0000 | 86.071 | 0.84519 | 0.00000 | 7349.8 | 6338.7 | 0.0 | U/P |
| 5.233 | 1.1809 | 0.0000 | 86.071 | 0.84550 | 0.00000 | 7385.2 | 6364.0 | 0.0 | U/P |
| 5.242 | 1.1816 | 0.0000 | 86.072 | 0.84580 | 0.00000 | 7420.6 | 6389.4 | 0.0 | U/P |
| 5.250 | 1.1823 | 0.0000 | 86.073 | 0.84610 | 0.00000 | 7456.1 | 6414.8 | 0.0 | U/P |
| 5.258 | 1.1829 | 0.0000 | 86.073 | 0.84641 | 0.00000 | 7491.6 | 6440.2 | 0.0 | U/P |
| 5.267 | 1.1835 | 0.0000 | 86.074 | 0.84671 | 0.00000 | 7527.1 | 6465.6 | 0.0 | U/P |
| 5.275 | 1.1840 | 0.0000 | 86.075 | 0.84702 | 0.00000 | 7562.6 | 6491.0 | 0.0 | U/P |
| 5.283 | 1.1845 | 0.0000 | 86.075 | 0.84732 | 0.00000 | 7598.1 | 6516.4 | 0.0 | U/P |
| 5.292 | 1.1850 | 0.0000 | 86.076 | 0.84763 | 0.00000 | 7633.6 | 6541.8 | 0.0 | U/P |
| 5.300 | 1.1854 | 0.0000 | 86.077 | 0.84793 | 0.00000 | 7669.2 | 6567.2 | 0.0 | U/P |
| 5.308 | 1.1858 | 0.0000 | 86.077 | 0.84824 | 0.00000 | 7704.8 | 6592.7 | 0.0 | U/P |
| 5.317 | 1.1862 | 0.0000 | 86.078 | 0.84854 | 0.00000 | 7740.4 | 6618.1 | 0.0 | U/P |
| 5.325 | 1.1866 | 0.0000 | 86.079 | 0.84884 | 0.00000 | 7775.9 | 6643.6 | 0.0 | U/P |
| 5.333 | 1.1869 | 0.0000 | 86.079 | 0.84915 | 0.00000 | 7811.5 | 6669.1 | 0.0 | U/P |
| 5.342 | 1.1873 | 0.0000 | 86.080 | 0.84945 | 0.00000 | 7847.2 | 6694.5 | 0.0 | U/P |
| 5.350 | 1.1876 | 0.0000 | 86.081 | 0.84976 | 0.00000 | 7882.8 | 6720.0 | 0.0 | U/P |
| 5.358 | 1.1879 | 0.0000 | 86.082 | 0.85006 | 0.00000 | 7918.4 | 6745.5 | 0.0 | U/P |
| 5.367 | 1.1882 | 0.0000 | 86.082 | 0.85037 | 0.00000 | 7954.1 | 6771.0 | 0.0 | U/P |
| 5.375 | 1.1885 | 0.0000 | 86.083 | 0.85067 | 0.00000 | 7989.7 | 6796.6 | 0.0 | U/P |
| 5.383 | 1.1887 | 0.0000 | 86.084 | 0.85098 | 0.00000 | 8025.4 | 6822.1 | 0.0 | U/P |
| 5.392 | 1.1890 | 0.0000 | 86.084 | 0.85128 | 0.00000 | 8061.0 | 6847.6 | 0.0 | U/P |
| 5.400 | 1.1893 | 0.0000 | 86.085 | 0.85158 | 0.00000 | 8096.7 | 6873.2 | 0.0 | U/P |
| 5.408 | 1.1895 | 0.0000 | 86.086 | 0.85189 | 0.00000 | 8132.4 | 6898.7 | 0.0 | U/P |
| 5.417 | 1.1897 | 0.0000 | 86.086 | 0.85219 | 0.00000 | 8168.1 | 6924.3 | 0.0 | U/P |
| 5.425 | 1.1900 | 0.0000 | 86.087 | 0.85249 | 0.00000 | 8203.8 | 6949.8 | 0.0 | U/P |
| 5.433 | 1.1902 | 0.0000 | 86.088 | 0.85280 | 0.00000 | 8239.5 | 6975.4 | 0.0 | U/P |
| 5.442 | 1.1904 | 0.0000 | 86.088 | 0.85310 | 0.00000 | 8275.2 | 7001.0 | 0.0 | U/P |
| 5.450 | 1.1907 | 0.0000 | 86.089 | 0.85340 | 0.00000 | 8310.9 | 7026.6 | 0.0 | U/P |
| 5.458 | 1.1909 | 0.0000 | 86.090 | 0.85371 | 0.00000 | 8346.6 | 7052.2 | 0.0 | U/P |
| 5.467 | 1.1911 | 0.0000 | 86.091 | 0.85401 | 0.00000 | 8382.4 | 7077.8 | 0.0 | U/P |
| 5.475 | 1.1913 | 0.0000 | 86.091 | 0.85431 | 0.00000 | 8418.1 | 7103.5 | 0.0 | U/P |
| 5.483 | 1.1915 | 0.0000 | 86.092 | 0.85461 | 0.00000 | 8453.8 | 7129.1 | 0.0 | U/P |
| 5.492 | 1.1917 | 0.0000 | 86.093 | 0.85491 | 0.00000 | 8489.6 | 7154.7 | 0.0 | U/P |
| 5.500 | 1.1919 | 0.0000 | 86.093 | 0.85522 | 0.00000 | 8525.3 | 7180.4 | 0.0 | U/P |
| 5.508 | 1.1921 | 0.0000 | 86.094 | 0.85552 | 0.00000 | 8561.1 | 7206.0 | 0.0 | U/P |
| 5.517 | 1.1923 | 0.0000 | 86.095 | 0.85582 | 0.00000 | 8596.9 | 7231.7 | 0.0 | U/P |
| 5.525 | 1.1925 | 0.0000 | 86.095 | 0.85612 | 0.00000 | 8632.6 | 7257.4 | 0.0 | U/P |
| 5.533 | 1.1926 | 0.0000 | 86.096 | 0.85642 | 0.00000 | 8668.4 | 7283.1 | 0.0 | U/P |
| 5.542 | 1.1928 | 0.0000 | 86.097 | 0.85672 | 0.00000 | 8704.2 | 7308.8 | 0.0 | U/P |

PONDS Version 3.2.0207

# Retention Pond Recovery - Refined Method <br> Copyright 2003 

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Interim Pond $11100 \mathrm{Yr} / 24 \mathrm{Hr}$ w/ overflow from pond 10

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow <br> Discharge ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Infilitration Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 5.550 | 1.1930 | 0.0000 | 86.097 | 0.85702 | 0.00000 | 8740.0 | 7334.5 | 0.0 | U/P |
| 5.558 | 1.1932 | 0.0000 | 86.098 | 0.85732 | 0.00000 | 8775.8 | 7360.2 | 0.0 | U/P |
| 5.567 | 1.1933 | 0.0000 | 86.099 | 0.85762 | 0.00000 | 8811.6 | 7385.9 | 0.0 | U/P |
| 5.575 | 1.1935 | 0.0000 | 86.099 | 0.85792 | 0.00000 | 8847.4 | 7411.7 | 0.0 | U/P |
| 5.583 | 1.1937 | 0.0000 | 86.100 | 0.85822 | 0.00000 | 8883.2 | 7437.4 | 0.0 | U/P |
| 5.592 | 1.1938 | 0.0000 | 86.101 | 0.85852 | 0.00000 | 8919.0 | 7463.1 | 0.0 | U/P |
| 5.600 | 1.1940 | 0.0000 | 86.101 | 0.85882 | 0.00000 | 8954.8 | 7488.9 | 0.0 | U/P |
| 5.608 | 1.1942 | 0.0000 | 86.102 | 0.85912 | 0.00000 | 8990.6 | 7514.7 | 0.0 | U/P |
| 5.617 | 1.1943 | 0.0000 | 86.103 | 0.85942 | 0.00000 | 9026.5 | 7540.5 | 0.0 | U/P |
| 5.625 | 1.1945 | 0.0000 | 86.103 | 0.85972 | 0.00000 | 9062.3 | 7566.2 | 0.0 | U/P |
| 5.633 | 1.1947 | 0.0000 | 86.104 | 0.86001 | 0.00000 | 9098.1 | 7592.0 | 0.0 | U/P |
| 5.642 | 1.1948 | 0.0000 | 86.105 | 0.86031 | 0.00000 | 9134.0 | 7617.8 | 0.0 | U/P |
| 5.650 | 1.1950 | 0.0000 | 86.105 | 0.86061 | 0.00000 | 9169.8 | 7643.7 | 0.0 | U/P |
| 5.658 | 1.1951 | 0.0000 | 86,106 | 0.86091 | 0.00000 | 9205.7 | 7669.5 | 0.0 | U/P |
| 5.667 | 1.1953 | 0.0000 | 86.107 | 0.86120 | 0.00000 | 9241.5 | 7695.3 | 0.0 | U/P |
| 5.675 | 1.1954 | 0.0000 | 86.107 | 0.86150 | 0.00000 | 9277.4 | 7721.2 | 0.0 | U/P |
| 5.683 | 1.1956 | 0.0000 | 86.108 | 0.86180 | 0.00000 | 9313.3 | 7747.0 | 0.0 | U/P |
| 5.692 | 1.1957 | 0.0000 | 86.109 | 0.86209 | 0.00000 | 9349.1 | 7772.9 | 0.0 | U/P |
| 5.700 | 1.1959 | 0.0000 | 86.110 | 0.86239 | 0.00000 | 9385.0 | 7798.7 | 0.0 | U/P |
| 5.708 | 1.1960 | 0.0000 | 86.110 | 0.86269 | 0.00000 | 9420.9 | 7824.6 | 0.0 | U/P |
| 5.717 | 1.1962 | 0.0000 | 86.111 | 0.86298 | 0.00000 | 9456.8 | 7850.5 | 0.0 | U/P |
| 5.725 | 1.1963 | 0.0000 | 86.112 | 0.86328 | 0.00000 | 9492.6 | 7876.4 | 0.0 | U/P |
| 5.733 | 1.1965 | 0.0000 | 86.112 | 0.86357 | 0.00000 | 9528.5 | 7902.3 | 0.0 | U/P |
| 5.742 | 1.1966 | 0.0000 | 86.113 | 0.86387 | 0.00000 | 9564.4 | 7928.2 | 0.0 | U/P |
| 5.750 | 1.1967 | 0.0000 | 86.114 | 0.86416 | 0.00000 | 9600.3 | 7954.1 | 0.0 | U/P |
| 5.758 | 1.1969 | 0.0000 | 86.114 | 0.86446 | 0.00000 | 9636.2 | 7980.0 | 0.0 | U/P |
| 5.767 | 1.1970 | 0.0000 | 86.115 | 0.86475 | 0.00000 | 9672.1 | 8006.0 | 0.0 | U/P |
| 5.775 | 1.1972 | 0.0000 | 86.116 | 0.86505 | 0.00000 | 9708.1 | 8031.9 | 0.0 | U/P |
| 5.783 | 1.1973 | 0.0000 | 86.116 | 0.86534 | 0.00000 | 9744.0 | 8057.9 | 0.0 | U/P |
| 5.792 | 1.1974 | 0.0000 | 86.117 | 0.86563 | 0.00000 | 9779.9 | 8083.9 | 0.0 | U/P |
| 5.800 | 1.1976 | 0.0000 | 86.118 | 0.86593 | 0.00000 | 9815.8 | 8109.8 | 0.0 | U/P |
| 5.808 | 1.1977 | 0.0000 | 86.118 | 0.86622 | 0.00000 | 9851.8 | 8135.8 | 0.0 | U/P |
| 5.817 | 1.1978 | 0.0000 | 86.119 | 0.86651 | 0.00000 | 9887.7 | 8161.8 | 0.0 | U/P |
| 5.825 | 1.1980 | 0.0000 | 86.120 | 0.86681 | 0.00000 | 9923.6 | 8187.8 | 0.0 | U/P |
| 5.833 | 1.1981 | 0.0000 | 86.120 | 0.86710 | 0.00000 | 9959.6 | 8213.8 | 0.0 | U/P |
| 5.842 | 1.1982 | 0.0000 | 86.121 | 0.86739 | 0.00000 | 9995.5 | 8239.8 | 0.0 | U/P |
| 5.850 | 1.1984 | 0.0000 | 86.121 | 0.86768 | 0.00000 | 10031.5 | 8265.9 | 0.0 | U/P |
| 5.858 | 1.1985 | 0.0000 | 86.122 | 0.86798 | 0.00000 | 10067.4 | 8291.9 | 0.0 | U/P |
| 5.867 | 1.1986 | 0.0000 | 86.123 | 0.86827 | 0.00000 | 10103.4 | 8317.9 | 0.0 | U/P |
| 5.875 | 1.1988 | 0.0000 | 86.123 | 0.86856 | 0.00000 | 10139.3 | 8344.0 | 0.0 | U/P |
| 5.883 | 1.1989 | 0.0000 | 86.124 | 0.86885 | 0.00000 | 10175.3 | 8370.0 | 0.0 | U/P |
| 5.892 | 1.1990 | 0.0000 | 86.125 | 0.86914 | 0.00000 | 10211.3 | 8396.1 | 0.0 | U/P |
| 5.900 | 1.1991 | 0.0000 | 86.125 | 0.86943 | 0.00000 | 10247.2 | 8422.2 | 0.0 | U/P |
| 5.908 | 1.1992 | 0.0000 | 86.126 | 0.86972 | 0.00000 | 10283.2 | 8448.3 | 0.0 | U/P |
| 5.917 | 1.1994 | 0.0000 | 86.127 | 0.87001 | 0.00000 | 10319.2 | 8474.4 | 0.0 | U/P |
| 5.925 | 1.1995 | 0.0000 | 86.127 | 0.87030 | 0.00000 | 10355.2 | 8500.5 | 0.0 | U/P |
| 5.933 | 1.1996 | 0.0000 | 86.128 | 0.87059 | 0.00000 | 10391.2 | 8526.6 | 0.0 | U/P |
| 5.942 | 1.1997 | 0.0000 | 86.129 | 0.87088 | 0.00000 | 10427.2 | 8552.7 | 0.0 | U/P |
| 5.950 | 1.1998 | 0.0000 | 86.129 | 0.87117 | 0.00000 | 10463.1 | 8578.8 | 0.0 | U/P |
| 5.958 | 1.2000 | 0.0000 | 86.130 | 0.87146 | 0.00000 | 10499.1 | 8605.0 | 0.0 | U/P |
| 5.967 | 1.2001 | 0.0000 | 86.131 | 0.87175 | 0.00000 | 10535.1 | 8631.1 | 0.0 | U/P |
| 5.975 | 1.2002 | 0.0000 | 86.131 | 0.87204 | 0.00000 | 10571.1 | 8657.3 | 0.0 | U/P |
| 5.983 | 1.2003 | 0.0000 | 86.132 | 0.87232 | 0.00000 | 10607.2 | 8683.5 | 0.0 | U/P |
| 5.992 | 1.2004 | 0.0000 | 86.133 | 0.87261 | 0.00000 | 10643.2 | 8709.6 | 0.0 | U/P |
| 6.000 | 1.2005 | 0.0000 | 86.133 | 0.87290 | 0.00000 | 10679.2 | 8735.8 | 0.0 | U/P |
| 6.008 | 1.2023 | 0.0000 | 86.134 | 0.87319 | 0.00000 | 10715.2 | 8762.0 | 0.0 | U/P |
| 6.017 | 1.2071 | 0.0000 | 86.135 | 0.87348 | 0.00000 | 10751.4 | 8788.2 | 0.0 | U/P |
| 6.025 | 1.2162 | 0.0000 | 86.135 | 0.87377 | 0.00000 | 10787.7 | 8814.4 | 0.0 | U/P |
| 6.033 | 1.2302 | 0.0000 | 86.136 | 0.87407 | 0.00000 | 10824.4 | 8840.6 | 0.0 | U/P |
| 6.042 | 1.2508 | 0.0000 | 86.137 | 0.87439 | 0.00000 | 10861.6 | 8866.9 | 0.0 | U/P |
| 6.050 | 1.2795 | 0.0000 | 86.137 | 0.87472 | 0.00000 | 10899.6 | 8893.1 | 0.0 | U/P |
| 6.058 | 1.3174 | $0.0000{ }^{\circ}$ | 86. 138 | 0.87507 | 0.00000 | 10938.5 | 8919.3 | 0.0 | U/P |
| 6.067 | 1.3658 | 0.0000 | 86.139 | 0.87546 | 0.00000 | 10978.8 | 8945.6 | 0.0 | U/P |
| 6.075 | 1.4230 | 0.0000 | 86.140 | 0.87589 | 0.00000 | 11020.6 | 8971.9 | 0.0 | U/P |
| 6.083 | 1.4871 | 0.0000 | 86.141 | 0.87637 | 0.00000 | 11064.3 | 8998.2 | 0.0 | U/P |
| 6.092 | 1.5564 | 0.0000 | 86.143 | 0.87691 | 0.00000 | 11109.9 | 9024.5 | 0.0 | U/P |
| 6.100 | 1.6290 | 0.0000 | 86.144 | 0.87750 | 0.00000 | 11157.7 | 9050.8 | 0.0 | U/P |
| 6.108 | 1.7021 | 0.0000 | 86.146 | 0.87816 | 0.00000 | 11207.7 | 9077.1 | 0.0 | U/P |
| 6.117 | 1.7751 | 0.0000 | 86.147 | 0.87888 | 0.00000 | 11259.8 | 9103.5 | 0.0 | U/P |
| 6.125 | 1.8467 | 0.0000 | 86.149 | 0.87966 | 0.00000 | 11314.2 | 9129.8 | 0.0 | U/P |
| 6.133 | 1.9149 | 0.0000 | 86.151 | 0.88050 | 0.00000 | 11370.6 | 9156.2 | 0.0 | U/P |
| 6.142 | 1.9793 | 0.0000 | 86.153 | 0.88140 | 0.00000 | 11429.0 | 9182.7 | 0.0 | U/P |
| 6.150 | 2.0396 | 0.0000 | 86.156 | 0.88235 | 0.00000 | 11489.3 | 9209.1 | 0.0 | U/P |
| 6.158 | 2.0951 | 0.0000 | 86.158 | 0.88335 | 0.00000 | 11551.3 | 9235.6 | 0.0 | U/P |

PONDS Version 3.2.0207

# Retention Pond Recovery - Refined Method Copyright 2003 

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Interim Pond $11100 \mathrm{Yr} / 24 \mathrm{Hr}$ w/ overflow from pond 10

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 6.167 | 2.1451 | 0.0000 | 86.160 | 0.88440 | 0.00000 | 11614.9 | 9262.1 | 0.0 | U/P |
| 6.175 | 2.1885 | 0.0000 | 86.163 | 0.88549 | 0.00000 | 11679.9 | 9288.7 | 0.0 | U/P |
| 6.183 | 2.2261 | 0.0000 | 86.165 | 0.88661 | 0.00000 | 11746.1 | 9315.2 | 0.0 | U/P |
| 6.192 | 2.2588 | 0.0000 | 86.168 | 0.88777 | 0.00000 | 11813.4 | 9341.9 | 0.0 | U/P |
| 6.200 | 2.2876 | 0.0000 | 86.171 | 0.88895 | 0.00000 | 11881.6 | 9368.5 | 0.0 | U/P |
| 6.208 | 2.3132 | 0.0000 | 86.173 | 0.89015 | 0.00000 | 11950.6 | 9395.2 | 0.0 | U/P |
| 6.217 | 2.3358 | 0.0000 | 86.176 | 0.89138 | 0.00000 | 12020.3 | 9421.9 | 0.0 | U/P |
| 6.225 | 2.3559 | 0.0000 | 86.179 | 0.89262 | 0.00000 | 12090.7 | 9448.7 | 0.0 | U/P |
| 6.233 | 2.3741 | 0.0000 | 86.182 | 0.89387 | 0.00000 | 12161.7 | 9475.5 | 0.0 | U/P |
| 6.242 | 2.3902 | 0.0000 | 86.185 | 0.89514 | 0.00000 | 12233.1 | 9502.3 | 0.0 | U/P |
| 6.250 | 2.4046 | 0.0000 | 86.188 | 0.89642 | 0.00000 | 12305.0 | 9529.2 | 0.0 | U/P |
| 6.258 | 2.4173 | 0.0000 | 86.191 | 0.89770 | 0.00000 | 12377.4 | 9556.1 | 0.0 | U/P |
| 6.267 | 2.4283 | 0.0000 | 86.194 | 0.89900 | 0.00000 | 12450.1 | 9583.1 | 0.0 | U/P |
| 6.275 | 2.4383 | 0.0000 | 86,197 | 0.90030 | 0.00000 | 12523.1 | 9610.0 | 0.0 | U/P |
| 6.283 | 2.4472 | 0.0000 | 86.200 | 0.90161 | 0.00000 | 12596.3 | 9637.1 | 0.0 | U/P |
| 6.292 | 2.4550 | 0.0000 | 86.203 | 0.90292 | 0.00000 | 12669.9 | 9664.1 | 0.0 | U/P |
| 6.300 | 2.4621 | 0.0000 | 86.206 | 0.90423 | 0.00000 | 12743.6 | 9691.2 | 0.0 | U/P |
| 6.308 | 2.4683 | 0.0000 | 86.209 | 0.90555 | 0.00000 | 12817.6 | 9718.4 | 0.0 | U/P |
| 6.317 | 2.4738 | 0.0000 | 86.211 | 0.90687 | 0.00000 | 12891.7 | 9745.6 | 0.0 | U/P |
| 6.325 | 2.4788 | 0.0000 | 86.214 | 0.90820 | 0.00000 | 12966.0 | 9772.8 | 0.0 | U/P |
| 6.333 | 2.4831 | 0.0000 | 86.217 | 0.90952 | 0.00000 | 13040.4 | 9800.1 | 0.0 | U/P |
| 6.342 | 2.4870 | 0.0000 | 86.220 | 0.91084 | 0.00000 | 13115.0 | 9827.4 | 0.0 | U/P |
| 6.350 | 2.4905 | 0.0000 | 86.224 | 0.91217 | 0.00000 | 13189.7 | 9854.7 | 0.0 | U/P |
| 6.358 | 2.4936 | 0.0000 | 86.226 | 0.91349 | 0.00000 | 13264.4 | 9882.1 | 0.0 | U/P |
| 6.367 | 2.4964 | 0.0000 | 86.229 | 0.91481 | 0.00000 | 13339.3 | 9909.5 | 0.0 | U/P |
| 6.375 | 2.4989 | 0.0000 | 86.232 | 0.91614 | 0.00000 | 13414.2 | 9937.0 | 0.0 | U/P |
| 6.383 | 2.5012 | 0.0000 | 86.235 | 0.91746 | 0.00000 | 13489.2 | 9964.5 | 0.0 | U/P |
| 6.392 | 2.5032 | 0.0000 | 86.238 | 0.91878 | 0.00000 | 13564.3 | 9992.0 | 0.0 | U/P |
| 6.400 | 2.5050 | 0.0000 | 86.241 | 0.92010 | 0.00000 | 13639.4 | 10019.6 | 0.0 | U/P |
| 6.408 | 2.5066 | 0.0000 | 86.244 | 0.92142 | 0.00000 | 13714.6 | 10047.3 | 0.0 | U/P |
| 6.417 | 2.5081 | 0.0000 | 86.247 | 0.92274 | 0.00000 | 13789.8 | 10074.9 | 0.0 | U/P |
| 6.425 | 2.5094 | 0.0000 | 86.250 | 0.92405 | 0.00000 | 13865.0 | 10102.6 | 0.0 | U/P |
| 6.433 | 2.5106 | 0.0000 | 86.253 | 0.92536 | 0.00000 | 13940.3 | 10130.4 | 0.0 | U/P |
| 6.442 | 2.5117 | 0.0000 | 86.256 | 0.92667 | 0.00000 | 14015.7 | 10158.1 | 0.0 | U/P |
| 6.450 | 2.5128 | 0.0000 | 86.259 | 0.92798 | 0.00000 | 14091.0 | 10186.0 | 0.0 | U/P |
| 6.458 | 2.5137 | 0.0000 | 86.262 | 0.92929 | 0.00000 | 14166.4 | 10213.8 | 0.0 | U/P |
| 6.467 | 2.5146 | 0.0000 | 86.265 | 0.93060 | 0.00000 | 14241.9 | 10241.7 | 0.0 | U/P |
| 6.475 | 2.5154 | 0.0000 | 86.268 | 0.93190 | 0.00000 | 14317.3 | 10269.7 | 0.0 | U/P |
| 6.483 | 2.5161 | 0.0000 | 86.271 | 0.93320 | 0.00000 | 14392.8 | 10297.6 | 0.0 | U/P |
| 6.492 | 2.5168 | 0.0000 | 86.274 | 0.93450 | 0.00000 | 14468.3 | 10325.6 | 0.0 | U/P |
| 6.500 | 2.5174 | 0.0000 | 86.277 | 0.93579 | 0.00000 | 14543.8 | 10353.7 | 0.0 | U/P |
| 6.508 | 2.5181 | 0.0000 | 86.280 | 0.93709 | 0.00000 | 14619.3 | 10381.8 | 0.0 | U/P |
| 6.517 | 2.5194 | 0.0000 | 86.283 | 0.93838 | 0.00000 | 14694.9 | 10409.9 | 0.0 | U/P |
| 6.525 | 2.5214 | 0.0000 | 86.286 | 0.93967 | 0.00000 | 14770.5 | 10438.1 | 0.0 | U/P |
| 6.533 | 2.5245 | 0.0000 | 86.289 | 0.94096 | 0.00000 | 14846.2 | 10466.3 | 0.0 | U/P |
| 6.542 | 2.5288 | 0.0000 | 86.292 | 0.94224 | 0.00000 | 14922.0 | 10494.6 | 0.0 | U/P |
| 6.550 | 2.5348 | 0.0000 | 86.295 | 0.94353 | 0.00000 | 14997.9 | 10522.8 | 0.0 | U/P |
| 6.558 | 2.5428 | 0.0000 | 86.297 | 0.94482 | 0.00000 | 15074.1 | 10551.2 | 0.0 | U/P |
| 6.567 | 2.5530 | 0.0000 | 86.300 | 0.94612 | 0.00000 | 15150.5 | 10579.5 | 0.0 | U/P |
| 6.575 | 2.5655 | 0.0000 | 86.303 | 0.94742 | 0.00000 | 15227.3 | 10607.9 | 0.0 | U/P |
| 6.583 | 2.5798 | 0.0000 | 86.306 | 0.94873 | 0.00000 | 15304.5 | 10636.4 | 0.0 | U/P |
| 6.592 | 2.5955 | 0.0000 | 86.309 | 0.95004 | 0.00000 | 15382.1 | 10664.9 | 0.0 | U/P |
| 6.600 | 2.6122 | 0.0000 | 86.312 | $0.95 \dagger 37$ | 0.00000 | 15460.2 | 10693.4 | 0.0 | U/P |
| 6.608 | 2.6293 | 0.0000 | 86.315 | 0.95271 | 0.00000 | 15538.9 | $\ddagger 0721.9$ | 0.0 | U/P |
| 6.617 | 2.6464 | 0.0000 | 86.318 | 0.95405 | 0.00000 | 15618.0 | 10750.5 | 0.0 | U/P |
| 6.625 | 2.6634 | 0.0000 | 86.322 | 0.95541 | 0.00000 | 15697.7 | 10779.2 | 0.0 | U/P |
| 6.633 | 2.6798 | 0.0000 | 86.325 | 0.95678 | 0.00000 | 15777.8 | 10807.9 | 0.0 | U/P |
| 6.642 | 2.6953 | 0.0000 | 86.328 | 0.95816 | 0.00000 | 15858.4 | 10836.6 | 0.0 | U/P |
| 6.650 | 2.7099 | 0.0000 | 86.331 | 0.95954 | 0.00000 | 15939.5 | 10865.4 | 0.0 | U/P |
| 6.658 | 2.7235 | 0.0000 | 86.334 | 0.96094 | 0.00000 | 16021.0 | 10894.2 | 0.0 | U/P |
| 6.667 | 2.7359 | 0.0000 | 86.337 | 0.96234 | 0.00000 | 16102.9 | 10923.0 | 0.0 | U/P |
| 6.675 | 2.7468 | 0.0000 | 86.341 | 0.96375 | 0.00000 | 16185.1 | 10951.9 | 0.0 | U/P |
| 6.683 | 2.7564 | 0.0000 | 86.344 | 0.96517 | 0.00000 | 16267.7 | 10980.8 | 0.0 | U/P |
| 6.692 | 2.7646 | 0.0000 | 86.347 | 0.96659 | 0.00000 | 16350.5 | 11009.8 | 0.0 | U/P |
| 6.700 | 2.7719 | 0.0000 | 86.350 | 0.96801 | 0.00000 | 16433.5 | 11038.8 | 0.0 | U/P |
| 6.708 | 2.7783 | 0.0000 | 86.353 | 0.96944 | 0.00000 | 16516.8 | 11067.9 | 0.0 | U/P |
| 6.717 | 2.7841 | 0.0000 | 86.357 | 0.97087 | 0.00000 | 16600.2 | 11097.0 | 0.0 | U/P |
| 6.725 | 2.7891 | 0.0000 | 86.360 | 0.97229 | 0.00000 | 16683.8 | 11126.1 | 0.0 | U/P |
| 6.733 | 2.7937 | 0.0000 | 86.363 | 0.97372 | 0.00000 | 16767.6 | 11155.3 | 0.0 | U/P |
| 6.742 | 2.7978 | 0.0000 | 86.366 | 0.97516 | 0.00000 | 16851.4 | 11184.6 | 0.0 | U/P |
| 6.750 | 2.8015 | 0.0000 | 86.370 | 0.97659 | 0.00000 | 16935.4 | 11213.8 | 0.0 | U/P |
| 6.758 | 2.8047 | 0.0000 | 86.373 | 0.97802 | 0.00000 | $\ddagger 7019.5$ | 11243.2 | 0.0 | U/P |
| 6.767 | 2.8076 | 0.0000 | 86.376 | 0.97945 | 0.00000 | 17103.7 | 11272.5 | 0.0 | U/P |
| 6.775 | 2.8101 | 0.0000 | 86.379 | 0.98087 | 0.00000 | 17188.0 | 11301.9 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Interim Pond $11100 \mathrm{Yr} / 24 \mathrm{Hr}$ w/ overflow from pond 10

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ivday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{1} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 6.783 | 2.8124 | 0.0000 | 86.383 | 0.98230 | 0.00000 | 17272.3 | 11331.4 | 0.0 | U/P |
| 6.792 | 2.8145 | 0.0000 | 86.386 | 0.98373 | 0.00000 | 17356.7 | 11360.9 | 0.0 | U/P |
| 6.800 | 2.8163 | 0.0000 | 86.389 | 0.98515 | 0.00000 | 17441.2 | 11390.4 | 0.0 | U/P |
| 6.808 | 2.8180 | 0.0000 | 86.392 | 0.98657 | 0.00000 | 17525.7 | 11420.0 | 0.0 | U/P |
| 6.817 | 2.8195 | 0.0000 | 86.395 | 0.98799 | 0.00000 | 17610.3 | 11449.6 | 0.0 | U/P |
| 6.825 | 2.8208 | 0.0000 | 86.399 | 0.98941 | 0.00000 | 17694.9 | 11479.3 | 0.0 | U/P |
| 6.833 | 2.8220 | 0.0000 | 86.402 | 0.99083 | 0.00000 | 17779.5 | 11509.0 | 0.0 | U/P |
| 6.842 | 2.8230 | 0.0000 | 86.405 | 0.99224 | 0.00000 | 17864.2 | 11538.7 | 0.0 | U/P |
| 6.850 | 2.8240 | 0.0000 | 86.408 | 0.99366 | 0.00000 | 17948.9 | 11568.5 | 0.0 | U/P |
| 6.858 | 2.8249 | 0.0000 | 86.412 | 0.99507 | 0.00000 | 18033.6 | 11598.3 | 0.0 | U/P |
| 6.867 | 2.8257 | 0.0000 | 86.415 | 0.99647 | 0.00000 | 18118.4 | 11628.2 | 0.0 | U/P |
| 6.875 | 2.8264 | 0.0000 | 86.418 | 0.99788 | 0.00000 | 18203.2 | 11658.1 | 0.0 | U/P |
| 6.883 | 2.8270 | 0.0000 | 86.421 | 0.99928 | 0.00000 | 18288.0 | 11688.1 | 0.0 | U/P |
| 6.892 | 2.8276 | 0.0000 | 86.424 | 1.00068 | 0.00000 | 18372.8 | 11718.1 | 0.0 | U/P |
| 6.900 | 2.8282 | 0.0000 | 86.427 | 1.00208 | 0.00000 | 18457.6 | 11748.1 | 0.0 | U/P |
| 6.908 | 2.8287 | 0.0000 | 86.431 | 1.00347 | 0.00000 | 18542.5 | 11778.2 | 0.0 | U/P |
| 6.917 | 2.8291 | 0.0000 | 86.434 | 1.00486 | 0.00000 | 18627.3 | 11808.3 | 0.0 | U/P |
| 6.925 | 2.8295 | 0.0000 | 86.437 | 1.00625 | 0.00000 | 18712.2 | 11838.5 | 0.0 | U/P |
| 6.933 | 2.8299 | 0.0000 | 86.440 | 1.00764 | 0.00000 | 18797.1 | 11868.7 | 0.0 | U/P |
| 6.942 | 2.8303 | 0.0000 | 86.443 | 1.00902 | 0.00000 | 18882.0 | 11898.9 | 0.0 | U/P |
| 6.950 | 2.8306 | 0.0000 | 86.446 | 1.01041 | 0.00000 | 18966.9 | 11929.2 | 0.0 | U/P |
| 6.958 | 2.8310 | 0.0000 | 86.449 | 1.01178 | 0.00000 | 19051.8 | 11959.6 | 0.0 | U/P |
| 6.967 | 2.8313 | 0.0000 | 86.452 | 1.01316 | 0.00000 | 19136.8 | 11989.9 | 0.0 | U/P |
| 6.975 | 2.8315 | 0.0000 | 86.456 | 1.01453 | 0.00000 | 19221.7 | 12020.4 | 0.0 | U/P |
| 6.983 | 2.8318 | 0.0000 | 86.459 | 1.01591 | 0.00000 | 19306.7 | 12050.8 | 0.0 | U/P |
| 6.992 | 2.8321 | 0.0000 | 86.462 | 1.01727 | 0.00000 | 19391.6 | 12081.3 | 0.0 | U/P |
| 7.000 | 2.8323 | 0.0000 | 86.465 | 1.01864 | 0.00000 | 19476.6 | 12111.9 | 0.0 | U/P |
| 7.008 | 2.8326 | 0.0000 | 86.468 | 1.02000 | 0.00000 | 19561.6 | 12142.4 | 0.0 | U/P |
| 7.017 | 2.8339 | 0.0000 | 86.471 | 1.02136 | 0.00000 | 19646.6 | 12173.1 | 0.0 | U/P |
| 7.025 | 2.8371 | 0.0000 | 86.474 | 1.02272 | 0.00000 | 19731.6 | 12203.7 | 0.0 | U/P |
| 7.033 | 2.8430 | 0.0000 | 86.477 | 1.02408 | 0.00000 | 19816.8 | 12234.4 | 0.0 | U/P |
| 7.042 | 2.8519 | 0.0000 | 86.480 | 1.02544 | 0.00000 | 19902.3 | 12265.2 | 0.0 | U/P |
| 7.050 | 2.8650 | 0.0000 | 86.483 | 1.02680 | 0.00000 | 19988.0 | 12295.9 | 0.0 | U/P |
| 7.058 | 2.8831 | 0.0000 | 86.487 | 1.02817 | 0.00000 | 20074.2 | 12326.8 | 0.0 | U/P |
| 7.067 | 2.9071 | 0.0000 | 86.490 | 1.02956 | 0.00000 | 20161.1 | 12357.6 | 0.0 | U/P |
| 7.075 | 2.9374 | 0.0000 | 86.493 | 1.03095 | 0.00000 | 20248.8 | 12388.5 | 0.0 | U/P |
| 7.083 | 2.9732 | 0.0000 | 86.496 | 1.03237 | 0.00000 | 20337.4 | 12419.5 | 0.0 | U/P |
| 7.092 | 3.0133 | 0.0000 | 86.499 | 1.03381 | 0.00000 | 20427.2 | 12450.5 | 0.0 | U/P |
| 7.100 | 3.0564 | 0.0000 | 86.503 | 1.03527 | 0.00000 | 20518.3 | 12481.5 | 0.0 | U/P |
| 7.108 | 3.1016 | 0.0000 | 86.506 | 1.03677 | 0.00000 | 20610.6 | 12512.6 | 0.0 | U/P |
| 7.117 | 3.1471 | 0.0000 | 86.510 | 1.03829 | 0.00000 | 20704.4 | 12543.7 | 0.0 | U/P |
| 7.125 | 3.1925 | 0.0000 | 86.513 | 1.03985 | 0.00000 | 20799.5 | 12574.9 | 0.0 | U/P |
| 7.133 | 3.2369 | 0.0000 | 86.517 | 1.04143 | 0.00000 | 20895.9 | 12606.1 | 0.0 | U/P |
| 7.142 | 3.2792 | 0.0000 | 86.521 | 1.04304 | 0.00000 | 20993.6 | 12637.4 | 0.0 | U/P |
| 7.150 | 3.3192 | 0.0000 | 86.524 | 1.04468 | 0.00000 | 21092.6 | 12668.7 | 0.0 | U/P |
| 7.158 | 3.3565 | 0.0000 | 86.528 | 1.04635 | 0.00000 | 21192.7 | 12700.1 | 0.0 | U/P |
| 7.167 | 3.3908 | 0.0000 | 86.532 | 1.04804 | 0.00000 | 21294.0 | 12731.5 | 0.0 | U/P |
| 7.175 | 3.4218 | 0.0000 | 86.536 | 1.04975 | 0.00000 | 21396.1 | 12762.9 | 0.0 | U/P |
| 7.183 | 3.4486 | 0.0000 | 86.540 | 1.05148 | 0.00000 | 21499.2 | 12794.5 | 0.0 | U/P |
| 7.192 | 3.4718 | 0.0000 | 86.544 | 1.05322 | 0.00000 | 21603.0 | 12826.0 | 0.0 | U/P |
| 7.200 | 3.4920 | 0.0000 | 86.548 | 1.05498 | 0.00000 | 21707.5 | 12857.7 | 0.0 | U/P |
| 7.208 | 3.5098 | 0.0000 | 86.552 | 1.05675 | 0.00000 | 21812.5 | 12889.3 | 0.0 | U/P |
| 7.217 | 3.5256 | 0.0000 | 86.556 | 1.05852 | 0.00000 | 21918.0 | 12921.1 | 0.0 | U/P |
| 7.225 | 3.5396 | 0.0000 | 86.560 | 1.06030 | 0.00000 | 22024.0 | 12952.8 | 0.0 | U/P |
| 7.233 | 3.5520 | 0.0000 | 86.564 | 1.06209 | 0.00000 | 22130.4 | 12984.7 | 0.0 | U/P |
| 7.242 | 3.5632 | 0.0000 | 86.568 | 1.06389 | 0.00000 | 22237.1 | 13016.6 | 0.0 | U/P |
| 7.250 | 3.5731 | 0.0000 | 86.572 | 1.06569 | 0.00000 | 22344.1 | 13048.5 | 0.0 | U/P |
| 7.258 | 3.5820 | 0.0000 | 86.576 | 1.06749 | 0.00000 | 22451.5 | 13080.5 | 0.0 | U/P |
| 7.267 | 3.5898 | 0.0000 | 86.580 | 1.06929 | 0.00000 | 22559.0 | 13112.6 | 0.0 | U/P |
| 7.275 | 3.5966 | 0.0000 | 86.584 | 1.07109 | 0.00000 | 22666.8 | 13144.7 | 0.0 | U/P |
| 7.283 | 3.6027 | 0.0000 | 86.588 | 1.07290 | 0.00000 | 22774.8 | 13176.8 | 0.0 | U/P |
| 7.292 | 3.6082 | 0.0000 | 86.592 | 1.07470 | 0.00000 | 22883.0 | 13209.0 | 0.0 | U/P |
| 7.300 | 3.6130 | 0.0000 | 86.597 | 1.07650 | 0.00000 | 22991.3 | 13241.3 | 0.0 | U/P |
| 7.308 | 3.6173 | 0.0000 | 86.601 | 1.07831 | 0.00000 | 23099.8 | 13273.6 | 0.0 | U/P |
| 7.317 | 3.6211 | 0.0000 | 86.605 | 1.08011 | 0.00000 | 23208.3 | 13306.0 | 0.0 | U/P |
| 7.325 | 3.6245 | 0.0000 | 86.609 | 1.08191 | 0.00000 | 23317.0 | 13338.4 | 0.0 | U/P |
| 7.333 | 3.6275 | 0.0000 | 86.613 | 1.08371 | 0.00000 | 23425.8 | 13370.9 | 0.0 | U/P |
| 7.342 | 3.6301 | 0.0000 | 86.617 | 1.08550 | 0.00000 | 23534.7 | 13403.5 | 0.0 | U/P |
| 7.350 | 3.6325 | 0.0000 | 86.621 | 1.08730 | 0.00000 | 23643.6 | 13436.1 | 0.0 | U/P |
| 7.358 | 3.6346 | 0.0000 | 86.625 | 1.08909 | 0.00000 | 23752.6 | 13468.7 | 0.0 | U/P |
| 7.367 | 3.6365 | 0.0000 | 86.629 | 1.09088 | 0.00000 | 23861.7 | 13501.4 | 0.0 | U/P |
| 7.375 | 3.6382 | 0.0000 | 86.633 | 1.09266 | 0.00000 | 23970.8 | 13534.2 | 0.0 | U/P |
| 7.383 | 3.6397 | 0.0000 | 86.637 | 1.09445 | 0.00000 | 24080.0 | 13567.0 | 0.0 | U/P |
| 7.392 | 3.6411 | 0.0000 | 86.641 | 1.09623 | 0.00000 | 24189.2 | 13599.8 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Interim Pond $11100 \mathrm{Yr} / 24 \mathrm{Hr}$ w/ overflow from pond 10

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (fl datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overfow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 7.400 | 3.6423 | 0.0000 | 86.645 | 1.09800 | 0.00000 | 24298.4 | 13632.7 | 0.0 | U/P |
| 7.408 | 3.6434 | 0.0000 | 86.649 | 1.09977 | 0.00000 | 24407.7 | 13665.7 | 0.0 | U/P |
| 7.417 | 3.6444 | 0.0000 | 86.653 | 1.10154 | 0.00000 | 24517.0 | 13698.7 | 0.0 | U/P |
| 7.425 | 3.6452 | 0.0000 | 86.657 | 1.10331 | 0.00000 | 24626.4 | 13731.8 | 0.0 | U/P |
| 7.433 | 3.6460 | 0.0000 | 86.661 | 1.10507 | 0.00000 | 24735.8 | 13764.9 | 0.0 | U/P |
| 7.442 | 3.6467 | 0.0000 | 86.665 | 1.10683 | 0.00000 | 24845.1 | 13798.1 | 0.0 | U/P |
| 7.450 | 3.6474 | 0.0000 | 86.669 | 1.10859 | 0.00000 | 24954.6 | 13831.3 | 0.0 | U/P |
| 7.458 | 3.6480 | 0.0000 | 86.673 | 1.11034 | 0.00000 | 25064.0 | 13864.6 | 0.0 | U/P |
| 7.467 | 3.6485 | 0.0000 | 86.677 | 1.11209 | 0.00000 | 25173.4 | 13897.9 | 0.0 | U/P |
| 7.475 | 3.6490 | 0.0000 | 86.681 | 1.11384 | 0.00000 | 25282.9 | 13931.3 | 0.0 | U/P |
| 7.483 | 3.6495 | 0.0000 | 86.685 | 1.11558 | 0.00000 | 25392.4 | 13964.8 | 0.0 | U/P |
| 7.492 | 3.6499 | 0.0000 | 86.689 | 1.11732 | 0.00000 | 25501.9 | 13998.3 | 0.0 | U/P |
| 7.500 | 3.6503 | 0.0000 | 86.693 | 1.11905 | 0.00000 | 25611.4 | 14031.8 | 0.0 | U/P |
| 7.508 | 3.6506 | 0.0000 | 86.697 | 1.12078 | 0.00000 | 25720.9 | 14065.4 | 0.0 | U/P |
| 7.517 | 3.6516 | 0.0000 | 86.701 | 1.12251 | 0.00000 | 25830.4 | 14099.1 | 0.0 | U/P |
| 7.525 | 3.6545 | 0.0000 | 86.705 | 1.12423 | 0.00000 | 25940.0 | 14132.8 | 0.0 | U/P |
| 7.533 | 3.6601 | 0.0000 | 86.709 | 1.12596 | 0.00000 | 26049.7 | 14166.5 | 0.0 | U/P |
| 7.542 | 3.6691 | 0.0000 | 86.712 | 1.12768 | 0.00000 | 26159.7 | 14200.3 | 0.0 | U/P |
| 7.550 | 3.6825 | 0.0000 | 86.716 | 1.12941 | 0.00000 | 26269.9 | 14234.2 | 0.0 | U/P |
| 7.558 | 3.7015 | 0.0000 | 86.720 | 1.13114 | 0.00000 | 26380.7 | 14268.1 | 0.0 | U/P |
| 7.567 | 3.7270 | 0.0000 | 86.724 | 1.13288 | 0.00000 | 26492.1 | 14302.0 | 0.0 | U/P |
| 7.575 | 3.7600 | 0.0000 | 86.728 | 1.13463 | 0.00000 | 26604.4 | 14336.1 | 0.0 | U/P |
| 7.583 | 3.8002 | 0.0000 | 86.732 | 1.13640 | 0.00000 | 26717.8 | 14370.1 | 0.0 | U/P |
| 7.592 | 3.8462 | 0.0000 | 86.736 | 1.13820 | 0.00000 | 26832.5 | 14404.2 | 0.0 | U/P |
| 7.600 | 3.8967 | 0.0000 | 86.741 | 1.14002 | 0.00000 | 26948.7 | 14438.4 | 0.0 | U/P |
| 7.608 | 3.9503 | 0.0000 | 86.745 | 1.14187 | 0.00000 | 27066.4 | 14472.6 | 0.0 | U/P |
| 7.617 | 4.0052 | 0.0000 | 86.749 | 1.14375 | 0.00000 | 27185.7 | 14506.9 | 0.0 | U/P |
| 7.625 | 4.0602 | 0.0000 | 86.753 | 1.14567 | 0.00000 | 27306.7 | 14541.3 | 0.0 | U/P |
| 7.633 | 4.1146 | 0.0000 | 86.758 | 1.14761 | 0.00000 | 27429.3 | 14575.7 | 0.0 | U/P |
| 7.642 | 4.1670 | 0.0000 | 86.762 | 1.14959 | 0.00000 | 27553.5 | 14610.1 | 0.0 | U/P |
| 7.650 | 4.2168 | 0.0000 | 86.767 | 1.15160 | 0.00000 | 27679.3 | 14644.6 | 0.0 | U/P |
| 7.658 | 4.2635 | 0.0000 | 86.772 | 1.15364 | 0.00000 | 27806.5 | 14679.2 | 0.0 | U/P |
| 7.667 | 4.3068 | 0.0000 | 86.776 | 1.15570 | 0.00000 | 27935.1 | 14713.9 | 0.0 | U/P |
| 7.675 | 4.3462 | 0.0000 | 86.781 | 1.15778 | 0.00000 | 28064.8 | 14748.6 | 0.0 | U/P |
| 7.683 | 4.3810 | 0.0000 | 86.786 | 1.15989 | 0.00000 | 28195.8 | 14783.3 | 0.0 | U/P |
| 7.692 | 4.4112 | 0.0000 | 86.791 | 1.16201 | 0.00000 | 28327.6 | 14818.2 | 0.0 | U/P |
| 7.700 | 4.4373 | 0.0000 | 86.796 | 1.16415 | 0.00000 | 28460.4 | 14853.0 | 0.0 | U/P |
| 7.708 | 4.4602 | 0.0000 | 86.801 | 1.16630 | 0.00000 | 28593.8 | 14888.0 | 0.0 | U/P |
| 7.717 | 4.4805 | 0.0000 | 86.805 | 1.16846 | 0.00000 | 28727.9 | 14923.0 | 0.0 | U/P |
| 7.725 | 4.4984 | 0.0000 | 86.810 | 1.17063 | 0.00000 | 28862.6 | 14958.1 | 0.0 | U/P |
| 7.733 | 4.5143 | 0.0000 | 86.815 | 1.17281 | 0.00000 | 28997.8 | 14993.3 | 0.0 | U/P |
| 7.742 | 4.5285 | 0.0000 | 86.820 | 1.17499 | 0.00000 | 29133.5 | 15028.5 | 0.0 | U/P |
| 7.750 | 4.5412 | 0.0000 | 86.825 | 1.17717 | 0.00000 | 29269.5 | 15063.8 | 0.0 | U/P |
| 7.758 | 4.5524 | 0.0000 | 86.830 | 1.17936 | 0.00000 | 29405.9 | 15099.1 | 0.0 | U/P |
| 7.767 | 4.5625 | 0.0000 | 86.835 | 1.18155 | 0.00000 | 29542.6 | 15134.5 | 0.0 | U/P |
| 7.775 | 4.5712 | 0.0000 | 86.840 | 1.18374 | 0.00000 | 29679.6 | 15170.0 | 0.0 | U/P |
| 7.783 | 4.5790 | 0.0000 | 86.845 | 1.18592 | 0.00000 | 29816.9 | 15205.5 | 0.0 | U/P |
| 7.792 | 4.5859 | 0.0000 | 86.850 | 1.18811 | 0.00000 | 29954.4 | 15241.2 | 0.0 | U/P |
| 7.800 | 4.5921 | 0.0000 | 86.855 | 1.19030 | 0.00000 | 30092.0 | 15276.8 | 0.0 | U/P |
| 7.808 | 4.5975 | 0.0000 | 86.860 | 1.19249 | 0.00000 | 30229.9 | 15312.6 | 0.0 | U/P |
| 7.817 | 4.6024 | 0.0000 | 86.865 | 1.19467 | 0.00000 | 30367.9 | 15348.4 | 0.0 | U/P |
| 7.825 | 4.6066 | 0.0000 | 86.870 | 1.19686 | 0.00000 | 30506.0 | 15384.3 | 0.0 | U/P |
| 7.833 | 4.6104 | 0.0000 | 86.875 | 1.19904 | 0.00000 | 30644.3 | 15420.2 | 0.0 | U/P |
| 7.842 | 4.6138 | 0.0000 | 86.880 | 1.20121 | 0.00000 | 30782.6 | 15456.2 | 0.0 | U/P |
| 7.850 | 4.6167 | 0.0000 | 86.885 | 1.20339 | 0.00000 | 30921.4 | 15492.3 | 0.0 | U/P |
| 7.858 | 4.6194 | 0.0000 | 86.890 | 1.20556 | 0.00000 | 31059.6 | 15528.4 | 0.0 | U/P |
| 7.867 | 4.6218 | 0.0000 | 86.894 | 1.20772 | 0.00000 | 31198.2 | 15564.6 | 0.0 | U/P |
| 7.875 | 4.6239 | 0.0000 | 86.899 | $\uparrow .20989$ | 0.00000 | 31336.9 | 15600.9 | 0.0 | U/P |
| 7.883 | 4.6258 | 0.0000 | 86.904 | 1.21205 | 0.00000 | 31475.7 | 15637.2 | 0.0 | U/P |
| 7.892 | 4.6274 | 0.0000 | 86.909 | 1.21420 | 0.00000 | 31614.5 | 15673.6 | 0.0 | U/P |
| 7.900 | 4.6289 | 0.0000 | 86.914 | 1.21635 | 0.00000 | 31753.3 | 15710.0 | 0.0 | U/P |
| 7.908 | 4.6303 | 0.0000 | 86.919 | 1.21850 | 0.00000 | 31892.2 | 15746.6 | 0.0 | U/P |
| 7.917 | 4.6315 | 0.0000 | 86.924 | 1.22064 | 0.00000 | 32031.1 | 15783.2 | 0.0 | U/P |
| 7.925 | 4.6325 | 0.0000 | 86.929 | 1.22278 | 0.00000 | 32170.1 | 15819.8 | 0.0 | U/P |
| 7.933 | 4.6335 | 0.0000 | 86.933 | 1.22491 | 0.00000 | 32309.1 | 15856.5 | 0.0 | U/P |
| 7.942 | 4.6343 | 0.0000 | 86.938 | 1.22704 | 0.00000 | 32448.1 | 15893.3 | 0.0 | U/P |
| 7.950 | 4.6351 | 0.0000 | 86.943 | 1.22917 | 0.00000 | 32587.1 | 15930.1 | 0.0 | U/P |
| 7.958 | 4.6358 | 0.0000 | 86.948 | 1.23129 | 0.00000 | 32726.2 | 15967.1 | 0.0 | U/P |
| 7.967 | 4.6364 | 0.0000 | 86.953 | 1.23340 | 0.00000 | 32865.3 | 16004.0 | 0.0 | U/P |
| 7.975 | 4.6370 | 0.0000 | 86.957 | 1.23552 | 0.00000 | 33004.4 | 16041.1 | 0.0 | U/P |
| 7.983 | 4.6376 | 0.0000 | 86.962 | 1.23762 | 0.00000 | 33143.5 | 16078.2 | 0.0 | U/P |
| 7.992 | 4.6380 | 0.0000 | 86.967 | 1.23972 | 0.00000 | 33282.6 | 16115.3 | 0.0 | U/P |
| 8.000 | 4.6396 | 0.0000 | 86.972 | 1.24182 | 0.00000 | 33421.8 | 16152.5 | 0.0 | U/P |
| 8.008 | 4.6434 | 0.0000 | 86.976 | 1.24392 | 0.00000 | 33561.0 | 16189.8 | 0.0 | U/P |

PONDS Version 3.2.0207

# Retention Pond Recovery - Refined Method <br> Copyright 2003 

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Interim Pond $11100 \mathrm{Yr} / 24 \mathrm{Hr}$ w/ overflow from pond 10

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overfiow <br> Discharge ( $\mathrm{f} \mathrm{t}^{3} \mathrm{~s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 8.017 | 4.6501 | 0.0000 | 86.981 | 1.24601 | 0.00000 | 33700.5 | 16227.2 | 0.0 | U/P |
| 8.025 | 4.6604 | 0.0000 | 86.986 | 1.24810 | 0.00000 | 33840.1 | 16264.6 | 0.0 | U/P |
| 8.033 | 4.6753 | 0.0000 | 86.991 | \$. 25019 | 0.00000 | 33980.1 | 16302.1 | 0.0 | U/P |
| 8.042 | 4.6961 | 0.0000 | 86.995 | 1.25229 | 0.00000 | 34120.7 | 16339.6 | 0.0 | U/P |
| 8.050 | 4.7235 | 0.0000 | 87.000 | 1.25439 | 0.00000 | 34262.0 | 16377.2 | 0.0 | U/P |
| 8.058 | 4.7584 | 0.0000 | 87.005 | 1.25652 | 0.00000 | 34404.2 | 16414.9 | 0.0 | U/P |
| 8.067 | 4.7998 | 0.0000 | 87.010 | 1.25868 | 0.00000 | 34547.6 | 16452.6 | 0.0 | U/P |
| 8.075 | 4.8462 | 0.0000 | 87.015 | 1.26086 | 0.00000 | 34692.3 | 16490.4 | 0.0 | U/P |
| 8.083 | 4.8964 | 0.0000 | 87.020 | 1.26306 | 0.00000 | 34838.4 | 16528.2 | 0.0 | U/P |
| 8.092 | 4.9491 | 0.0000 | 87.025 | 1.26529 | 0.00000 | 34986.1 | 16566.2 | 0.0 | U/P |
| 8.100 | 5.0022 | 0.0000 | 87.030 | 1.26754 | 0.00000 | 35135.4 | 16604.2 | 0.0 | U/P |
| 8.108 | 5.0552 | 0.0000 | 87.035 | 1.26982 | 0.00000 | 35286.3 | 16642.2 | 0.0 | U/P |
| 8.117 | 5.1072 | 0.0000 | 87.040 | 1.27213 | 0.00000 | 35438.7 | 16680.3 | 0.0 | U/P |
| 8.125 | 5.1569 | 0.0000 | 87.045 | 1.27446 | 0.00000 | 35592.6 | 16718.5 | 0.0 | U/P |
| 8.133 | 5.2037 | 0.0000 | 87.051 | 1.27682 | 0.00000 | 35748.1 | 16756.8 | 0.0 | U/P |
| 8.142 | 5.2476 | 0.0000 | 87.056 | 1.27920 | 0.00000 | 35904.8 | 16795.2 | 0.0 | U/P |
| 8.150 | 5.2880 | 0.0000 | 87.061 | 1.28160 | 0.00000 | 36062.9 | 16833.6 | 0.0 | U/P |
| 8.158 | 5.3244 | 0.0000 | 87.067 | 1.28402 | 0.00000 | 36222.0 | 16872.0 | 0.0 | U/P |
| 8.167 | 5.3561 | 0.0000 | 87.072 | 1.28645 | 0.00000 | 36382.3 | 16910.6 | 0.0 | U/P |
| 8.175 | 5.3835 | 0.0000 | 87.078 | 1.28890 | 0.00000 | 36543.3 | 16949.2 | 0.0 | U/P |
| 8.183 | 5.4072 | 0.0000 | 87.083 | 1.29136 | 0.00000 | 36705.2 | 16987.9 | 0.0 | U/P |
| 8.192 | 5.4282 | 0.0000 | 87.089 | 1.29382 | 0.00000 | 36867.7 | 17026.7 | 0.0 | U/P |
| 8.200 | 5.4467 | 0.0000 | 87.094 | 1.29630 | 0.00000 | 37030.9 | 17065.6 | 0.0 | U/P |
| 8.208 | 5.4631 | 0.0000 | 87.100 | 1.29877 | 0.00000 | 37194.5 | 17104.5 | 0.0 | U/P |
| 8.217 | 5.4777 | 0.0000 | 87.106 | 1.30125 | 0.00000 | 37358.6 | 17143.5 | 0.0 | U/P |
| 8.225 | 5.4908 | 0.0000 | 87.111 | 1.30374 | 0.00000 | 37523.1 | 17182.6 | 0.0 | U/P |
| 8.233 | 5.5024 | 0.0000 | 87.117 | 1.30622 | 0.00000 | 37688.0 | 17221.7 | 0.0 | U/P |
| 8.242 | 5.5128 | 0.0000 | 87.122 | 1.30871 | 0.00000 | 37853.3 | 17260.9 | 0.0 | U/P |
| 8.250 | 5.5220 | 0.0000 | 87.128 | 1.31120 | 0.00000 | 38018.8 | 17300.2 | 0.0 | U/P |
| 8.258 | 5.5299 | 0.0000 | 87.133 | 1.31368 | 0.00000 | 38184.6 | 17339.6 | 0.0 | U/P |
| 8.267 | 5.5371 | 0.0000 | 87.139 | 1.31616 | 0.00000 | 38350.6 | 17379.1 | 0.0 | U/P |
| 8.275 | 5.5434 | 0.0000 | 87,145 | 1.31865 | 0.00000 | 38516.8 | 17418.6 | 0.0 | U/P |
| 8.283 | 5.5490 | 0.0000 | 87.150 | 1.32113 | 0.00000 | 38683.2 | 17458.2 | 0.0 | U/P |
| 8.292 | 5.5540 | 0.0000 | 87.156 | 1.32360 | 0.00000 | 38849.7 | 17497.9 | 0.0 | U/P |
| 8.300 | 5.5584 | 0.0000 | 87.161 | 1.32608 | 0.00000 | 39016.4 | 17537.6 | 0.0 | U/P |
| 8.308 | 5.5623 | 0.0000 | 87.167 | 1.32855 | 0.00000 | 39183.2 | 17577.4 | 0.0 | U/P |
| 8.317 | 5.5658 | 0.0000 | 87.172 | 1.33101 | 0.00000 | 39350.1 | 17617.3 | 0.0 | U/P |
| 8.325 | 5.5688 | 0.0000 | 87.178 | \$.33347 | 0.00000 | 39517.2 | 17657.3 | 0.0 | U/P |
| 8.333 | 5.5715 | 0.0000 | 87.183 | 1.33593 | 0.00000 | 39684.3 | 17697.3 | 0.0 | U/P |
| 8.342 | 5.5740 | 0.0000 | 87.189 | 1.33839 | 0.00000 | 39851.4 | 17737.4 | 0.0 | U/P |
| 8.350 | 5.5761 | 0.0000 | 87.194 | 1.34083 | 0.00000 | 40018.7 | 17777.6 | 0.0 | U/P |
| 8.358 | 5.5780 | 0.0000 | 87.200 | 1.34328 | 0.00000 | 40186.0 | 17817.9 | 0.0 | U/P |
| 8.367 | 5.5797 | 0.0000 | 87.205 | 1.34572 | 0.00000 | 40353.4 | 17858.2 | 0.0 | U/P |
| 8.375 | 5.5813 | 0.0000 | 87.211 | 1.34815 | 0.00000 | 40520.8 | 17898.6 | 0.0 | U/P |
| 8.383 | 5.5826 | 0.0000 | 87.216 | 1.35058 | 0.00000 | 40688.2 | 17939.1 | 0.0 | U/P |
| 8.392 | 5.5838 | 0.0000 | 87.222 | 1.35301 | 0.00000 | 40855.7 | 17979.7 | 0.0 | U/P |
| 8.400 | 5.5849 | 0.0000 | 87.227 | 1.35543 | 0.00000 | 41023.3 | 18020.3 | 0.0 | U/P |
| 8.408 | 5.5858 | 0.0000 | 87.232 | 1.35784 | 0.00000 | 41190.8 | 18061.0 | 0.0 | U/P |
| 8.417 | 5.5867 | 0.0000 | 87.238 | 1.36025 | 0.00000 | 41358.4 | 18101.8 | 0.0 | U/P |
| 8.425 | 5.5875 | 0.0000 | 87.243 | 1.36266 | 0.00000 | 41526.0 | 18142.6 | 0.0 | U/P |
| 8.433 | 5.5882 | 0.0000 | 87.249 | 1.36506 | 0.00000 | 41693.7 | 18183.5 | 0.0 | U/P |
| 8.442 | 5.5888 | 0.0000 | 87.254 | 1.36745 | 0.00000 | 41861.3 | 18224.5 | 0.0 | U/P |
| 8.450 | 5.5894 | 0.0000 | 87.259 | 1.36984 | 0.00000 | 42029.0 | 18265.6 | 0.0 | U/P |
| 8.458 | 5.5899 | 0.0000 | 87.265 | 1.37223 | 0.00000 | 42196.7 | 18306.7 | 0.0 | U/P |
| 8.467 | 5.5904 | 0.0000 | 87.270 | 1.37460 | 0.00000 | 42364.4 | 18347.9 | 0.0 | U/P |
| 8.475 | 5.5908 | 0.0000 | 87.275 | 1.37698 | 0.00000 | 42532.1 | 18389.2 | 0.0 | U/P |
| 8.483 | 5.5912 | 0.0000 | 87.280 | 1.37935 | 0.00000 | 42699.8 | 18430.5 | 0.0 | U/P |
| 8.492 | 5.5915 | 0.0000 | 87.286 | 1.38171 | 0.00000 | 42867.6 | 18471.9 | 0.0 | U/P |
| 8.500 | 5.5918 | 0.0000 | 87.291 | 1.38407 | 0.00000 | 43035.3 | 18513.4 | 0.0 | U/P |
| 8.508 | 5.5921 | 0.0000 | 87.296 | 1.38642 | 0.00000 | 43203.1 | 18555.0 | 0.0 | U/P |
| 8.517 | 5.5923 | 0.0000 | 87.302 | $\uparrow .38877$ | 0.00000 | 43370.8 | 18596.6 | 0.0 | U/P |
| 8.525 | 5.5925 | 0.0000 | 87.307 | 1.39111 | 0.00000 | 43538.6 | 18638.3 | 0.0 | U/P |
| 8.533 | 5.5926 | 0.0000 | 87.312 | 1.39345 | 0.00000 | 43706.4 | 18680.1 | 0.0 | U/P |
| 8.542 | 5.5927 | 0.0000 | 87.317 | 1.39578 | 0.00000 | 43874.2 | 18721.9 | 0.0 | U/P |
| 8.550 | 5.5927 | 0.0000 | 87.322 | 1.39811 | 0.00000 | 44042.0 | 18763.8 | 0.0 | U/P |
| 8.558 | 5.5928 | 0.0000 | 87.328 | 1.40043 | 0.00000 | 44209.7 | 18805.8 | 0.0 | U/P |
| 8.567 | 5.5929 | 0.0000 | 87.333 | 1.40275 | 0.00000 | 44377.5 | 18847.8 | 0.0 | U/P |
| 8.575 | 5.5929 | 0.0000 | 87.338 | 1.40506 | 0.00000 | 44545.3 | 18890.0 | 0.0 | U/P |
| 8.583 | 5.5930 | 0.0000 | 87.343 | 1.40737 | 0.00000 | 44713.1 | 18932.1 | 0.0 | U/P |
| 8.592 | 5.5930 | 0.0000 | 87.348 | 1.40967 | 0.00000 | 44880.9 | 18974.4 | 0.0 | U/P |
| 8.600 | 5.5931 | 0.0000 | 87.354 | 1.41196 | 0.00000 | 45048.7 | 19016.7 | 0.0 | U/P |
| 8.608 | 5.5931 | 0.0000 | 87.359 | 1.41426 | 0.00000 | 45216.5 | 19059.1 | 0.0 | U/P |
| 8.617 | 5.5932 | 0.0000 | 87.364 | 1.41654 | 0.00000 | 45384.3 | 19101.6 | 0.0 | U/P |
| 8.625 | 5.5932 | 0.0000 | 87.369 | 1.41883 | 0.00000 | 45552.1 | 19144.1 | 0.0 | U/P |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: Interim Pond $11100 \mathrm{Yr} / 24 \mathrm{Hr}$ w/ overflow from pond 10

| Elapsed <br> Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (fivday) | Stage Elevation ( f datum) | Infiltration Rate ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Overtlow Discharge (ft ${ }^{1} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{t}^{3}$ ) | Cumulative Discharge Volume (ft ${ }^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 8.633 | 5.5933 | 0.0000 | 87.374 | 1.42110 | 0.00000 | 45719.9 | 19186.7 | 0.0 | U/P |
| 8.642 | 5.5933 | 0.0000 | 87.379 | 1.42338 | 0.00000 | 45887.7 | 19229.4 | 0.0 | U/P |
| 8.650 | 5.5934 | 0.0000 | 87.384 | 1.42564 | 0.00000 | 46055.5 | 19272.1 | 0.0 | U/P |
| 8.658 | 5.5935 | 0.0000 | 87.389 | 1.42791 | 0.00000 | 46223.3 | 19314.9 | 0.0 | U/P |
| 8.667 | 5.5935 | 0.0000 | 87.394 | 1.43016 | 0.00000 | 46391.1 | 19357.8 | 0.0 | U/P |
| 8.675 | 5.5977 | 0.0000 | 87.399 | 1.43242 | 0.00000 | 46558.9 | 19400.7 | 0.0 | U/P |
| 8.683 | 5.7244 | 0.0000 | 87.404 | 1.43468 | 0.00000 | 46728.8 | 19443.7 | 0.0 | U/P |
| 8.692 | 5.9333 | 0.0000 | 87.410 | 1.43701 | 0.00000 | 46903.6 | 19486.8 | 0.0 | U/P |
| 8.700 | 6.1948 | 0.0000 | 87.415 | 1.43944 | 0.00000 | 47085.6 | 19530.0 | 0.0 | U/P |
| 8.708 | 6.4955 | 0.0000 | 87.421 | 1.44200 | 0.00000 | 47275.9 | 19573.2 | 0.0 | U/P |
| 8.717 | 6.8266 | 0.0000 | 87.427 | 1.44472 | 0.00000 | 47475.7 | 19616.5 | 0.0 | U/P |
| 8.725 | 7.1815 | 0.0000 | 87.434 | 1.44760 | 0.00000 | 47685.9 | 19659.9 | 0.0 | U/P |
| 8.733 | 7.5551 | 0.0000 | 87.441 | 1.45067 | 0.00000 | 47906.9 | 19703.3 | 0.0 | U/P |
| 8.742 | 7.9429 | 0.0000 | 87.449 | 1.45393 | 0.00000 | 48139.4 | 19746.9 | 0.0 | U/P |
| 8.750 | 8.3413 | 0.0000 | 87.457 | 1.45738 | 0.00000 | 48383.6 | 19790.6 | 0.0 | U/P |
| 8.758 | 8.7472 | 0.0000 | 87.465 | 1.46104 | 0.00000 | 48640.0 | 19834.3 | 0.0 | U/P |
| 8.767 | 9.1578 | 0.0000 | 87.474 | 1.46490 | 0.00000 | 48908.5 | 19878.2 | 0.0 | U/P |
| 8.775 | 9.5708 | 0.0000 | 87.483 | 1.46896 | 0.00000 | 49189.5 | 19922.2 | 0.0 | U/P |
| 8.783 | 9.9841 | 0.0000 | 87.493 | 1.47322 | 0.00000 | 49482.8 | 19966.4 | 0.0 | U/P |
| 8.792 | 10.3959 | 0.0000 | 87.503 | 1.47769 | 0.00000 | 49788.5 | 20010.6 | 0.0 | U/P |
| 8.800 | 10.8047 | 0.0000 | 87.514 | 1.48236 | 0.00000 | 50106.5 | 20055.0 | 0.0 | U/P |
| 8.808 | 11.2091 | 0.0000 | 87.525 | 1.48722 | 0.00000 | 50436.7 | 20099.6 | 0.0 | U/P |
| 8.817 | 11.6081 | 0.0000 | 87.537 | 1.49228 | 0.00000 | 50779.0 | 20144.3 | 0.0 | U/P |
| 8.825 | 12.0006 | 0.0000 | 87.549 | 1.49752 | 0.00000 | 51133.1 | 20189.1 | 0.0 | U/P |
| 8.833 | 12.3858 | 0.0000 | 87.561 | 1. 50294 | 0.00000 | 51498.9 | 20234.1 | 0.0 | U/P |
| 8.842 | 12.7630 | 0.0000 | 87.574 | 1.50854 | 0.00000 | 51876.1 | 20279.3 | 0.0 | U/P |
| 8.850 | 13.1317 | 0.0000 | 87.587 | 1.51430 | 0.00000 | 52264.6 | 20324.6 | 0.0 | U/P |
| 8.858 | 13.4913 | 0.0000 | 87.600 | 1.52023 | 0.00000 | 52663.9 | 20370.1 | 0.0 | U/P |
| 8.867 | 13.8416 | 0.0000 | 87.614 | 1.52632 | 0.00000 | 53073.9 | 20415.8 | 0.0 | U/P |
| 8.875 | 14.1822 | 0.0000 | 87.628 | 1.53255 | 0.00000 | 53494.2 | 20461.7 | 0.0 | U/P |
| 8.883 | 14.5129 | 0.0000 | 87.643 | 1.53893 | 0.00000 | 53924.7 | 20507.8 | 0.0 | U/P |
| 8.892 | 14.8336 | 0.0000 | 87.657 | 1.54545 | 0.00000 | 54364.9 | 20554.1 | 0.0 | U/P |
| 8.900 | 15.1442 | 0.0000 | 87.673 | 1.55209 | 0.00000 | 54814.5 | 20600.5 | 0.0 | U/P |
| 8.908 | 15.4448 | 0.0000 | 87.688 | 1.55886 | 0.00000 | 55273.4 | 20647.2 | 0.0 | U/P |
| 8.917 | 15.7352 | 0.0000 | 87.703 | 1.56574 | 0.00000 | 55741.1 | 20694.1 | 0.0 | U/P |
| 8.925 | 16.0156 | 0.0000 | 87.719 | 1.57274 | 0.00000 | 56217.3 | 20741.1 | 0.0 | U/P |
| 8.933 | 16.2861 | 0.0000 | 87.735 | 1.57983 | 0.00000 | 56701.9 | 20788.4 | 0.0 | U/P |
| 8.942 | 16.5468 | 0.0000 | 87.751 | 1.58703 | 0.00000 | 57194.4 | 20835.9 | 0.0 | U/P |
| 8.950 | 16.7979 | 0.0000 | 87.768 | 1.59431 | 0.00000 | 57694.5 | 20883.6 | 0.0 | U/P |
| 8.958 | 17.0395 | 0.0000 | 87.784 | 1.60168 | 0.00000 | 58202.1 | 20931.6 | 0.0 | U/P |
| 8.967 | 17.2718 | 0.0000 | 87.801 | 1.60913 | 0.00000 | 58716.8 | 20979.7 | 0.0 | U/P |
| 8.975 | 17.4951 | 0.0000 | 87.818 | 1.61665 | 0.00000 | 59238.3 | 21028.1 | 0.0 | U/P |
| 8.983 | 17.7095 | 0.0000 | 87.835 | 1.62424 | 0.00000 | 59766.3 | 21076.7 | 0.0 | U/P |
| 8.992 | 17.9154 | 0.0000 | 87.852 | 1.63189 | 0.00000 | 60300.7 | 21125.6 | 0.0 | U/P |
| 9.000 | 18.1128 | 0.0000 | 87.870 | 1.63960 | 0.00000 | 60841.1 | 21174.7 | 0.0 | U/P |
| 9.008 | 18.2999 | 0.0000 | 87.887 | 1.64736 | 0.00000 | 61387.3 | 21224.0 | 0.0 | U/P |
| 9.017 | 18.4744 | 0.0000 | 87.905 | 1.65517 | 0.00000 | 61938:9 | 21273.5 | 0.0 | U/P |
| 9.025 | 18.6346 | 0.0000 | 87.922 | 1.66302 | 0.00000 | 62495.6 | 21323.3 | 0.0 | U/P |
| 9.033 | 18.7788 | 0.0000 | 87.940 | 1.67091 | 0.00000 | 63056.8 | 21373.3 | 0.0 | U/P |
| 9.042 | 18.9042 | 0.0000 | 87.958 | 1.67882 | 0.00000 | 63622.0 | 21423.5 | 0.0 | U/P |
| 9.050 | 19.0078 | 0.0000 | 87.976 | 1.68675 | 0.00000 | 64190.7 | 21474.0 | 0.0 | U/P |
| 9.058 | 19.0866 | 0.0000 | 87.993 | 1.69468 | 0.00000 | 64762.1 | 21524.7 | 0.0 | U/P |
| 9.067 | 19.1378 | 0.0000 | 88.011 | 1.70263 | 0.00000 | 65335.5 | 21575.7 | 0.0 | U/P |
| 9.075 | 19.1620 | 0.0000 | 88.029 | 1.71062 | 0.00000 | 65910.0 | 21626.9 | 0.0 | U/P |
| 9.083 | 19.1608 | 0.0000 | 88.047 | 1.71859 | 0.00000 | 66484.8 | 21678.3 | 0.0 | U/P |
| 9.092 | 19.1358 | 0.0000 | 88.064 | 1.72652 | 0.00000 | 67059.3 | 21730.0 | 0.0 | U/P |
| 9.100 | 19.0895 | 0.0000 | 88.081 | 1.73440 | 0.00000 | 67632.6 | 21781.9 | 0.0 | U/P |
| 9.108 | 19.0257 | 0.0000 | 88.099 | 1.74222 | 0.00000 | 68204.4 | 21834.1 | 0.0 | U/P |
| 9.117 | 18.9461 | 0.0000 | 88.116 | 1.74997 | 0.00000 | 68773.9 | 21886.4 | 0.0 | U/P |
| 9.125 | 18.8531 | 0.0000 | 88.133 | 1.75765 | 0.00000 | 69340.9 | 21939.1 | 0.0 | U/P |
| 9.133 | 18.7505 | 0.0000 | 88.150 | 1.76525 | 0.00000 | 69905.0 | 21991.9 | 0.0 | U/P |
| 9.142 | 18.6402 | 0.0000 | 88.166 | 1.77277 | 0.00000 | 70465.8 | 22045.0 | 0.0 | U/P |
| 9.150 | 18.5243 | 0.0000 | 88.182 | 1.78021 | 0.00000 | 71023.3 | 22098.3 | 0.0 | U/P |
| 9.158 | 18.4047 | 0.0000 | 88.199 | 1.78756 | 0.00000 | 71577.2 | 22151.8 | 0.0 | U/P |
| 9.167 | \$8.2841 | 0.0000 | 88.215 | 1.79483 | 0.00000 | 72127.6 | 22205.5 | 0.0 | U/P |
| 9.175 | 18.1653 | 0.0000 | 88.231 | 1.80201 | 0.00000 | 72674.3 | 22259.5 | 0.0 | U/P |
| 9.183 | 18.0492 | 0.0000 | 88.246 | 1.80911 | 0.00000 | 73217.5 | 22313.6 | 0.0 | U/P |
| 9.192 | 17.9357 | 0.0000 | 88.262 | 1.81613 | 0.00000 | 73757.3 | 22368.0 | 0.0 | U/P |
| 9.200 | 17.8246 | 0.0000 | 88.277 | 1.82307 | 0.00000 | 74293.7 | 22422.6 | 0.0 | U/P |
| 9.208 | 17.7161 | 0.0000 | 88.292 | 1.82993 | 0.00000 | 74826.8 | 22477.4 | 0.0 | U/P |
| 9.217 | 17.6102 | 0.0000 | 88.307 | 1.83672 | 0.00000 | 75356.7 | 22532.4 | 0.0 | U/P |
| 9.225 | 17.5072 | 0.0000 | 88.322 | 1.84344 | 0.00000 | 75883.5 | 22587.6 | 0.0 | U/P |
| 9.233 | 17.4067 | 0.0000 | 88.336 | $\uparrow .85008$ | 0.00000 | 76407.2 | 22643.0 | 0.0 | U/P |
| 9.242 | 17.3092 | 0.0000 | 88.351 | 1.85666 | 0.00000 | 76927.9 | 22698.6 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Interim Pond $11100 \mathrm{Yr} / 24 \mathrm{Hr}$ w/ overflow from pond 10

| Elapsed Time (hours) | Inflow Rate (fits) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Inflitration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 9.250 | 17.2148 | 0.0000 | 88.365 | 1.86316 | 0.00000 | 77445.8 | 22754.4 | 0.0 | U/P |
| 9.258 | 17.1236 | 0.0000 | 88.380 | 1.86961 | 0.00000 | 77960.9 | 22810.4 | 0.0 | U/P |
| 9.267 | 17.0359 | 0.0000 | 88.394 | 1.87599 | 0.00000 | 78473.3 | 22866.6 | 0.0 | U/P |
| 9.275 | 16.9511 | 0.0000 | 88.408 | 1.88231 | 0.00000 | 78983.1 | 22923.0 | 0.0 | U/P |
| 9.283 | 16.8694 | 0.0000 | 88.421 | 1.88857 | 0.00000 | 79490.4 | 22979.5 | 0.0 | U/P |
| 9.292 | 16.7908 | 0.0000 | 88.435 | 1.89477 | 0.00000 | 79995.3 | 23036.3 | 0.0 | U/P |
| 9.300 | 16.7151 | 0.0000 | 88.449 | 1.90092 | 0.00000 | 80497.9 | 23093.2 | 0.0 | U/P |
| 9.308 | 16.6424 | 0.0000 | 88.462 | 1.90702 | 0.00000 | 80998.2 | 23150.3 | 0.0 | U/P |
| 9.317 | 16.5727 | 0.0000 | 88.475 | 1.91306 | 0.00000 | 81496.4 | 23207.6 | 0.0 | U/P |
| 9.325 | 16.5057 | 0.0000 | 88.489 | 1.91906 | 0.00000 | 81992.6 | 23265.1 | 0.0 | U/P |
| 9.333 | 16.4415 | 0.0000 | 88.502 | 1.92500 | 0.00000 | 82486.8 | 23322.8 | 0.0 | U/P |
| 9.342 | 16.3800 | 0.0000 | 88.515 | 1.93090 | 0.00000 | 82979.2 | 23380.6 | 0.0 | U/P |
| 9.350 | 16.3209 | 0.0000 | 88.528 | 1.93675 | 0.00000 | 83469.7 | 23438.6 | 0.0 | U/P |
| 9.358 | 16.2643 | 0.0000 | 88.541 | 1.94256 | 0.00000 | 83958.4 | 23496.8 | 0.0 | U/P |
| 9.367 | 16.2101 | 0.0000 | 88.553 | 1.94833 | 0.00000 | 84445.6 | 23555.2 | 0.0 | U/P |
| 9.375 | 16.1582 | 0.0000 | 88.566 | 1.95406 | 0.00000 | 84931.1 | 23613.7 | 0.0 | U/P |
| 9.383 | 16.1085 | 0.0000 | 88.578 | 1.95974 | 0.00000 | 85415.1 | 23672.4 | 0.0 | U/P |
| 9.392 | 16.0610 | 0.0000 | 88.591 | 1.96539 | 0.00000 | 85897.6 | 23731.3 | 0.0 | U/P |
| 9.400 | 16.0154 | 0.0000 | 88.603 | 1.97100 | 0.00000 | 86378.8 | 23790.4 | 0.0 | U/P |
| 9.408 | 15.9719 | 0.0000 | 88.616 | 1.97657 | 0.00000 | 86858.6 | 23849.6 | 0.0 | U/P |
| 9.417 | 15.9302 | 0.0000 | 88.628 | 1.98211 | 0.00000 | 87337.1 | 23908.9 | 0.0 | U/P |
| 9.425 | 15.8904 | 0.0000 | 88.640 | 1.98762 | 0.00000 | 87814.4 | 23968.5 | 0.0 | U/P |
| 9.433 | 15.8523 | 0.0000 | 88.652 | 1.99309 | 0.00000 | 88290.6 | 24028.2 | 0.0 | U/P |
| 9.442 | 15.8158 | 0.0000 | 88.664 | 1.99853 | 0.00000 | 88765.6 | 24088.1 | 0.0 | U/P |
| 9.450 | 15.7809 | 0.0000 | 88.676 | 2.00394 | 0.00000 | 89239.5 | 24148.1 | 0.0 | U/P |
| 9.458 | 15.7476 | 0.0000 | 88.688 | 2.00932 | 0.00000 | 89712.5 | 24208.3 | 0.0 | U/P |
| 9.467 | 15.7157 | 0.0000 | 88.700 | 2.01467 | 0.00000 | 90184.4 | 24268.7 | 0.0 | U/P |
| 9.475 | 15.6851 | 0.0000 | 88.712 | 2.01999 | 0.00000 | 90655.4 | 24329.2 | 0.0 | U/P |
| 9.483 | 15.6560 | 0.0000 | 88.723 | 2.02528 | 0.00000 | 91125.5 | 24389.9 | 0.0 | U/P |
| 9.492 | 15.6281 | 0.0000 | 88.735 | 2.03055 | 0.00000 | 91594.8 | 24450.7 | 0.0 | U/P |
| 9.500 | 15.6014 | 0.0000 | 88.747 | 2.03578 | 0.00000 | 92063.2 | 24511.7 | 0.0 | U/P |
| 9.508 | 15.5759 | 0.0000 | 88.758 | 2.04100 | 0.00000 | 92530.9 | 24572.9 | 0.0 | U/P |
| 9.517 | 15.5512 | 0.0000 | 88.770 | 2.04619 | 0.00000 | 92997.8 | 24634.2 | 0.0 | U/P |
| 9.525 | 15.5271 | 0.0000 | 88.781 | 2.05135 | 0.00000 | 93464.0 | 24695.6 | 0.0 | U/P |
| 9.533 | 15.5034 | 0.0000 | 88.792 | 2.05649 | 0.00000 | 93929.4 | 24757.2 | 0.0 | U/P |
| 9.542 | 15.4798 | 0.0000 | 88.804 | 2.06161 | 0.00000 | 94394.2 | 24819.0 | 0.0 | U/P |
| 9.550 | 15.4560 | 0.0000 | 88.815 | 2.06670 | 0.00000 | 94858.2 | 24880.9 | 0.0 | U/P |
| 9.558 | 15.4317 | 0.0000 | 88.826 | $2.07 \ddagger 77$ | 0.00000 | 95321.5 | 24943.0 | 0.0 | U/P |
| 9.567 | 15.4065 | 0.0000 | 88.837 | 2.07681 | 0.00000 | 95784.1 | 25005.3 | 0.0 | U/P |
| 9.575 | 15.3803 | 0.0000 | 88.848 | 2.08183 | 0.00000 | 96245.9 | 25067.6 | 0.0 | U/P |
| 9.583 | 15.3530 | 0.0000 | 88.859 | 2.08683 | 0.00000 | 96706.9 | 25130.2 | 0.0 | U/P |
| 9.592 | 15.3249 | 0.0000 | 88.870 | 2.09181 | 0.00000 | 97167.1 | 25192.8 | 0.0 | U/P |
| 9.600 | 15.2960 | 0.0000 | 88.881 | 2.09676 | 0.00000 | 97626.4 | 25255.7 | 0.0 | U/P |
| 9.608 | 15.2666 | 0.0000 | 88.892 | 2.10168 | 0.00000 | 98084.8 | 25318.6 | 0.0 | U/P |
| 9.647 | 15.2369 | 0.0000 | 88.903 | 2.10658 | 0.00000 | 98542.4 | 25381.8 | 0.0 | U/P |
| 9.625 | 15.2070 | 0.0000 | 88.914 | 2.11146 | 0.00000 | 98999.1 | 25445.0 | 0.0 | U/P |
| 9.633 | 15.1771 | 0.0000 | 88.925 | 2.11631 | 0.00000 | 99454.8 | 25508.5 | 0.0 | U/P |
| 9.642 | 15.1475 | 0.0000 | 88.935 | 2.12114 | 0.00000 | 99909.7 | 25572.0 | 0.0 | U/P |
| 9.650 | 15.1182 | 0.0000 | 88.946 | 2.12595 | 0.00000 | 100363.7 | 25635.7 | 0.0 | U/P |
| 9.658 | 15.0894 | 0.0000 | 88.956 | 2.13073 | 0.00000 | 100816.8 | 25699.6 | 0.0 | U/P |
| 9.667 | 15.0613 | 0.0000 | 88.967 | 2.13549 | 0.00000 | 101269.0 | 25763.6 | 0.0 | U/P |
| 9.675 | 15.0340 | 0.0000 | 88.977 | 2.14022 | 0.00000 | 101720.5 | 25827.7 | 0.0 | U/P |
| 9.683 | 15.0077 | 0.0000 | 88.988 | 2.14494 | 0.00000 | 102171.1 | 25892.0 | 0.0 | U/P |
| 9.692 | 14.9824 | 0.0000 | 88.998 | 2.14963 | 0.00000 | 102620.9 | 25956.4 | 0.0 | U/P |
| 9.700 | 14.9579 | 0.0000 | 89.009 | 2.15430 | 0.00000 | 103070.0 | 26021.0 | 0.0 | U/P |
| 9.708 | 14.9344 | 0.0000 | 89.019 | 2.15895 | 0.00000 | 103518.4 | 26085.7 | 0.0 | U/P |
| 9.717 | 14.9117 | 0.0000 | 89.029 | 2.16358 | 0.00000 | 103966.1 | 26150.5 | 0.0 | U/P |
| 9.725 | 14.8898 | 0.0000 | 89.039 | 2.16819 | 0.00000 | 104413.1 | 26215.5 | 0.0 | U/P |
| 9.733 | 14.8687 | 0.0000 | 89.049 | 2.17279 | 0.00000 | 104859.5 | 26280.6 | 0.0 | U/P |
| 9.742 | 14.8483 | 0.0000 | 89.060 | 2.17736 | 0.00000 | 105305.3 | 26345.8 | 0.0 | U/P |
| 9.750 | 14.8288 | 0.0000 | 89.070 | 2.18191 | 0.00000 | 105750.4 | 26411.2 | 0.0 | U/P |
| 9.758 | 14.8100 | 0.0000 | 89.080 | 2.18645 | 0.00000 | 106795.0 | 26476.8 | 0.0 | U/P |
| 9.767 | 14.7920 | 0.0000 | 89.090 | 2.19097 | 0.00000 | 106639.0 | 26542.4 | 0.0 | U/P |
| 9.775 | 14.7746 | 0.0000 | 89.100 | 2.19547 | 0.00000 | 107082.5 | 26608.2 | 0.0 | U/P |
| 9.783 | 14.7580 | 0.0000 | 89.110 | 2.19995 | 0.00000 | 107525.5 | 26674.1 | 0.0 | U/P |
| 9.792 | 14.7420 | 0.0000 | 89.119 | 2.20442 | 0.00000 | 107968.0 | 26740.2 | 0.0 | U/P |
| 9.800 | 14.7267 | 0.0000 | 89.129 | 2.20887 | 0.00000 | 108410.1 | 26806.4 | 0.0 | U/P |
| 9.808 | 14.7120 | 0.0000 | 89.139 | 2.21330 | 0.00000 | 108851.6 | 26872.7 | 0.0 | U/P |
| 9.817 | 14.6979 | 0.0000 | 89.149 | 2.21772 | 0.00000 | 109292.8 | 26939.2 | 0.0 | U/P |
| 9.825 | 14.6844 | 0.0000 | 89.159 | 2.22213 | 0.00000 | 109733.5 | 27005.8 | 0.0 | U/P |
| 9.833 | 14.6715 | 0.0000 | 89.168 | 2.22652 | 0.00000 | 110173.9 | 27072.5 | 0.0 | U/P |
| 9.842 | 14.6591 | 0.0000 | 89.178 | 2.23089 | 0.00000 | 110613.8 | 27139.4 | 0.0 | U/P |
| 9.850 | 14.6472 | 0.0000 | 89.188 | 2.23525 | 0.00000 | 111053.4 | 27206.4 | 0.0 | U/P |
| 9.858 | 14.6358 | 0.0000 | 89.197 | 2.23960 | 0.00000 | 111492.7 | 27273.5 | 0.0 | U/P |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Interim Pond $11100 \mathrm{Yr} / 24 \mathrm{Hr}$ w/ overflow from pond 10

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (f/day) | Stage Elevation (ft datum) | Infiltration Rate (f13/s) | Overflow Discharge (ftish) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Discharge Volume (ft ${ }^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 9.867 | 14.6249 | 0.0000 | 89.207 | 2.24393 | 0.00000 | 111931.6 | 27340.8 | 0.0 | U/P |
| 9.875 | 14.6145 | 0.0000 | 89.216 | 2.24825 | 0.00000 | 112370.2 | 27408.1 | 0.0 | U/P |
| 9.883 | 14.6045 | 0.0000 | 89.226 | 2.25255 | 0.00000 | 112808.4 | 27475.7 | 0.0 | U/P |
| 9.892 | 14.5949 | 0.0000 | 89.235 | 2.25684 | 0.00000 | 113246.4 | 27543.3 | 0.0 | U/P |
| 9.900 | 14.5857 | 0.0000 | 89.245 | 2.26112 | 0.00000 | 113684.1 | 27611.1 | 0.0 | U/P |
| 9.908 | 14.5770 | 0.0000 | 89.254 | 2.26539 | 0.00000 | 114121.6 | 27679.0 | 0.0 | U/P |
| 9.917 | 14.5686 | 0.0000 | 89.264 | 2.26964 | 0.00000 | 114558.8 | 27747.0 | 0.0 | U/P |
| 9.925 | 14.5606 | 0.0000 | 89.273 | 2.27388 | 0.00000 | 114995.7 | 27815.1 | 0.0 | U/P |
| 9.933 | 14.5529 | 0.0000 | 89.282 | 2.27811 | 0.00000 | 115432.4 | 27883.4 | 0.0 | U/P |
| 9.942 | 14.5455 | 0.0000 | 89.292 | 2.28233 | 0.00000 | 115868.9 | 27951.8 | 0.0 | U/P |
| 9.950 | 14.5385 | 0.0000 | 89.301 | 2.28653 | 0.00000 | 116305.1 | 28020.4 | 0.0 | U/P |
| 9.958 | 14.5318 | 0.0000 | 89.310 | 2.29073 | 0.00000 | 116741.2 | 28089.0 | 0.0 | U/P |
| 9.967 | 14.5253 | 0.0000 | 89.320 | 2.29491 | 0.00000 | 117177.1 | 28157.8 | 0.0 | U/P |
| 9.975 | 14.5191 | 0.0000 | 89.329 | 2.29908 | 0.00000 | 117612.7 | 28226.7 | 0.0 | U/P |
| 9.983 | 14.5132 | 0.0000 | 89.338 | 2.30324 | 0.00000 | 118048.2 | 28295.8 | 0.0 | U/P |
| 9.992 | 14.5076 | 0.0000 | 89.347 | 2.30739 | 0.00000 | 118483.5 | 28364.9 | 0.0 | U/P |
| 10.000 | 14.5022 | 0.0000 | 89.356 | 2.31153 | 0.00000 | 118918.7 | 28434.2 | 0.0 | U/P |
| 10.008 | 14.4969 | 0.0000 | 89.366 | 2.31565 | 0.00000 | 119353.7 | 28503.6 | 0.0 | U/P |
| 10.017 | 14.4893 | 0.0000 | 89.375 | 2.31977 | 0.00000 | 119788.4 | 28573.1 | 0.0 | U/P |
| 10.025 | 14.4768 | 0.0000 | 89.384 | 2.32388 | 0.00000 | 120222.9 | 28642.8 | 0.0 | U/P |
| 10.033 | 14.4572 | 0.0000 | 89.393 | 2.32797 | 0.00000 | 120657.0 | 28712.6 | 0.0 | U/P |
| 10.042 | 14.4285 | 0.0000 | 89.402 | 2.33205 | 0.00000 | 121090.2 | 28782.5 | 0.0 | U/P |
| 10.050 | 14.3873 | 0.0000 | 89.411 | 2.33611 | 0.00000 | 121522.5 | 28852.5 | 0.0 | U/P |
| 10.058 | 14.3302 | 0.0000 | 89.420 | 2.34014 | 0.00000 | 121953.2 | 28922.6 | 0.0 | U/P |
| 10.067 | 14.2539 | 0.0000 | 89.429 | 2.34415 | 0.00000 | 122382.0 | 28992.9 | 0.0 | U/P |
| 10.075 | 14.1553 | 0.0000 | 89.437 | 2.34813 | 0.00000 | 122808.1 | 29063.3 | 0.0 | U/P |
| 10.083 | 14.0354 | 0.0000 | 89.446 | 2.35206 | 0.00000 | 123231.0 | 29133.8 | 0.0 | U/P |
| 10.092 | 13.8948 | 0.0000 | 89.455 | 2.35595 | 0.00000 | 123649.9 | 29204.4 | 0.0 | U/P |
| 10.100 | 13.7363 | 0.0000 | 89.463 | 2.35978 | 0.00000 | 124064.4 | 29275.1 | 0.0 | U/P |
| 10.108 | 13.5618 | 0.0000 | 89.471 | 2.36355 | 0.00000 | 124473.9 | 29346.0 | 0.0 | U/P |
| 10.117 | 13.3753 | 0.0000 | 89.479 | 2.36726 | 0.00000 | 124877.9 | 29417.0 | 0.0 | U/P |
| 10.125 | 13.1785 | 0.0000 | 89.487 | 2.37090 | 0.00000 | 125276.2 | 29488.0 | 0.0 | U/P |
| 10.133 | 12.9739 | 0.0000 | 89.495 | 2.37446 | 0.00000 | 125668.5 | 29559.2 | 0.0 | U/P |
| 10.142 | 12.7650 | 0.0000 | 89.503 | 2.37796 | 0.00000 | 126054.6 | 29630.5 | 0.0 | U/P |
| 10.150 | 12.5537 | 0.0000 | 89.510 | 2.38138 | 0.00000 | 126434.4 | 29701.9 | 0.0 | U/P |
| 10.158 | 12.3417 | 0.0000 | 89.518 | 2.38472 | 0.00000 | 126807.8 | 29773.4 | 0.0 | U/P |
| 10.167 | 12.1312 | 0.0000 | 89.525 | 2.38799 | 0.00000 | 127174.9 | 29845.0 | 0.0 | U/P |
| 10.175 | 11.9245 | 0.0000 | 89.532 | 2.39118 | 0.00000 | 127535.8 | 29916.7 | 0.0 | U/P |
| 10.183 | 11.7243 | 0.0000 | 89.539 | 2.39431 | 0.00000 | 127890.5 | 29988.4 | 0.0 | U/P |
| 10.192 | 11.5311 | 0.0000 | 89.545 | 2.39736 | 0.00000 | 128239.3 | 30060.3 | 0.0 | U/P |
| 10.200 | 11.3446 | 0.0000 | 89.552 | 2.40034 | 0.00000 | 128582.4 | 30132.3 | 0.0 | U/P |
| 10.208 | 11.1641 | 0.0000 | 89.558 | 2.40326 | 0.00000 | 128920.1 | 30204.3 | 0.0 | U/P |
| 10.217 | 10.9897 | 0.0000 | 89.565 | 2.40611 | 0.00000 | 129252.4 | 30276.5 | 0.0 | U/P |
| 10.225 | 10.8212 | 0.0000 | 89.571 | 2.40891 | 0.00000 | 129579.5 | 30348.7 | 0.0 | U/P |
| 10.233 | 10.6585 | 0.0000 | 89.577 | 2.41164 | 0.00000 | 129901.7 | 30421.0 | 0.0 | U/P |
| 10.242 | 10.5012 | 0.0000 | 89.583 | 2.41432 | 0.00000 | 130219.1 | 30493.4 | 0.0 | U/P |
| 10.250 | 10.3496 | 0.0000 | 89.588 | 2.41694 | 0.00000 | 130531.9 | 30565.9 | 0.0 | U/P |
| 10.258 | 10.2035 | 0.0000 | 89.594 | 2.41951 | 0.00000 | 130840.2 | 30638.4 | 0.0 | U/P |
| 10.267 | 10.0629 | 0.0000 | 89.599 | 2.42203 | 0.00000 | 131144.2 | 30711.0 | 0.0 | U/P |
| 10.275 | 9.9280 | 0.0000 | 89.605 | 2.42450 | 0.00000 | 131444.0 | 30783.7 | 0.0 | U/P |
| 10.283 | 9.7980 | 0.0000 | 89.610 | 2.42692 | 0.00000 | 131739.9 | 30856.5 | 0.0 | U/P |
| 10.292 | 9.6731 | 0.0000 | 89.615 | 2.42930 | 0.00000 | 132032.0 | 30929.4 | 0.0 | U/P |
| 10.300 | 9.5531 | 0.0000 | 89.621 | 2.43164 | 0.00000 | 132320.4 | 31002.3 | 0.0 | U/P |
| 10.308 | 9.4377 | 0.0000 | 89.626 | 2.43393 | 0.00000 | 132605.3 | 31075.3 | 0.0 | U/P |
| 10.317 | 9.3269 | 0.0000 | 89.631 | 2.43619 | 0.00000 | 132886.7 | 31148.3 | 0.0 | U/P |
| 10.325 | 9.2204 | 0.0000 | 89.635 | 2.43840 | 0.00000 | 133164.9 | 31221.4 | 0.0 | U/P |
| 10.333 | 9.1182 | 0.0000 | 89.640 | 2.44058 | 0.00000 | 133440.0 | 31294.6 | 0.0 | U/P |
| 10.342 | 9.0201 | 0.0000 | 89.645 | 2.44272 | 0.00000 | 133712.1 | 31367.9 | 0.0 | U/P |
| 10.350 | 8.9259 | 0.0000 | 89.650 | 2.44483 | 0.00000 | 133981.3 | 31441.2 | 0.0 | U/P |
| 10.358 | 8.8354 | 0.0000 | 89.654 | 2.44691 | 0.00000 | 134247.7 | 31514.6 | 0.0 | U/P |
| 10.367 | 8.7484 | 0.0000 | 89.659 | 2.44895 | 0.00000 | 134511.5 | 31588.0 | 0.0 | U/P |
| 10.375 | 8.6649 | 0.0000 | 89.663 | 2.45097 | 0.00000 | 134772.7 | 31661.5 | 0.0 | U/P |
| 10.383 | 8.5847 | 0.0000 | 89.667 | 2.45295 | 0.00000 | 135031.4 | 31735.0 | 0.0 | U/P |
| 10.392 | 8.5077 | 0.0000 | 89.672 | 2.45491 | 0.00000 | 135287.8 | 31808.7 | 0.0 | U/P |
| 10.400 | 8.4336 | 0.0000 | 89.676 | 2.45684 | 0.00000 | 135541.9 | 31882.3 | 0.0 | U/P |
| 10.408 | 8.3626 | 0.0000 | 89.680 | 2.45874 | 0.00000 | 135793.8 | 31956.1 | 0.0 | U/P |
| 10.417 | 8.2943 | 0.0000 | 89.684 | 2.46062 | 0.00000 | 136043.7 | 32029.9 | 0.0 | U/P |
| 10.425 | 8.2287 | 0.0000 | 89.688 | 2.46248 | 0.00000 | 136291.5 | 32103.7 | 0.0 | U/P |
| 10.433 | 8.1656 | 0.0000 | 89.692 | 2.46432 | 0.00000 | 136537.5 | 32177.6 | 0.0 | U/P |
| 10.442 | 8.1050 | 0.0000 | 89.696 | 2.46613 | 0.00000 | 136781.5 | 32251.6 | 0.0 | U/P |
| 10.450 | 8.0468 | 0.0000 | 89.700 | 2.46792 | 0.00000 | 137023.8 | 32325.6 | 0.0 | U/P |
| 10.458 | 7.9908 | 0.0000 | 89.704 | 2.46969 | 0.00000 | 137264.4 | 32399.6 | 0.0 | U/P |
| 10.467 | 7.9369 | 0.0000 | 89.708 | 2.47144 | 0.00000 | 137503.3 | 32473.8 | 0.0 | U/P |
| 10.475 | 7.8851 | 0.0000 | 89.712 | 2.47317 | 0.00000 | 137740.6 | 32547.9 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Interim Pond 11100 Yr/24 Hr w/ overflow from pond 10

| Elapsed Time (hours) | Inflow Rate (fis/s) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Overflow Discharge (ft ${ }^{3 /}$ ) | Cumulative Inflow Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{H}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{H}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 10.483 | 7.8352 | 0.0000 | 89.716 | 2.47489 | 0.00000 | 137976.4 | 32622.2 | 0.0 | U/P |
| 10.492 | 7.7873 | 0.0000 | 89.720 | 2.47658 | 0.00000 | 138210.8 | 32696.4 | 0.0 | U/P |
| 10.500 | 7.7412 | 0.0000 | 89.723 | 2.47826 | 0.00000 | 138443.7 | 32770.8 | 0.0 | U/P |
| 10.508 | 7.6969 | 0.0000 | 89.727 | 2.47992 | 0.00000 | 138675.3 | 32845.1 | 0.0 | U/P |
| 10.517 | 7.6545 | 0.0000 | 89.731 | 2.48157 | 0.00000 | 138905.5 | 32919.5 | 0.0 | U/P |
| 10.525 | 7.6141 | 0.0000 | 89.734 | 2.48320 | 0.00000 | 139134.5 | 32994.0 | 0.0 | U/P |
| 10.533 | 7.5760 | 0.0000 | 89.738 | 2.48482 | 0.00000 | 139362.4 | 33068.5 | 0.0 | U/P |
| 10.542 | 7.5403 | 0.0000 | 89.741 | 2.48643 | 0.00000 | 139589.1 | 33143.1 | 0.0 | U/P |
| 10.550 | 7.5072 | 0.0000 | 89.745 | 2.48802 | 0.00000 | 139814.9 | 33217.7 | 0.0 | U/P |
| 10.558 | 7.4771 | 0.0000 | 89.748 | 2.48960 | 0.00000 | 140039.6 | 33292.4 | 0.0 | U/P |
| 10.567 | 7.4503 | 0.0000 | 89.752 | 2.49117 | 0.00000 | 140263.5 | 33367.1 | 0.0 | U/P |
| 10.575 | 7.4269 | 0.0000 | 89.755 | 2.49273 | 0.00000 | \$40486.7 | 33441.9 | 0.0 | U/P |
| 10.583 | 7.4070 | 0.0000 | 89.759 | 2.49428 | 0.00000 | 140709.2 | 33516.7 | 0.0 | U/P |
| 10.592 | 7.3904 | 0.0000 | 89.762 | 2.49582 | 0.00000 | 140931.2 | 33591.5 | 0.0 | U/P |
| 10.600 | 7.3768 | 0.0000 | 89.765 | 2.49736 | 0.00000 | 141152.7 | 33666.4 | 0.0 | U/P |
| 10.608 | 7.3660 | 0.0000 | 89.769 | 2.49889 | 0.00000 | 141373.8 | 33741.4 | 0.0 | U/P |
| 10.617 | 7.3576 | 0.0000 | 89.772 | 2.50041 | 0.00000 | 141594.7 | 33816.3 | 0.0 | U/P |
| 10.625 | 7.3512 | 0.0000 | 89.776 | 2.50193 | 0.00000 | 141815.3 | 33891.4 | 0.0 | U/P |
| 10.633 | 7.3467 | 0.0000 | 89.779 | 2.50345 | 0.00000 | 142035.8 | 33966.5 | 0.0 | U/P |
| 10.642 | 7.3436 | 0.0000 | 89.782 | 2.50497 | 0.00000 | 142256.1 | 34041.6 | 0.0 | U/P |
| 10.650 | 7.3417 | 0.0000 | 89.786 | 2.50648 | 0.00000 | 142476.4 | 34116.8 | 0.0 | U/P |
| 10.658 | 7.3407 | 0.0000 | 89.789 | 2.50799 | 0.00000 | 142696.6 | 34192.0 | 0.0 | U/P |
| 10.667 | 7.3405 | 0.0000 | 89.792 | 2.50950 | 0.00000 | 142916.9 | 34267.2 | 0.0 | U/P |
| 10.675 | 7.3408 | 0.0000 | 89.796 | 2.51101 | 0.00000 | 143137.1 | 34342.5 | 0.0 | U/P |
| 10.683 | 7.3413 | 0.0000 | 89.799 | 2.51251 | 0.00000 | 143357.3 | 34417.9 | 0.0 | U/P |
| 10.692 | 7.3419 | 0.0000 | 89.802 | 2.51402 | 0.00000 | 143577.6 | 34493.3 | 0.0 | U/P |
| 10.700 | 7.3425 | 0.0000 | 89.806 | 2.51552 | 0.00000 | 143797.8 | 34568.7 | 0.0 | U/P |
| 10.708 | 7.3432 | 0.0000 | 89.809 | 2.51703 | 0.00000 | 144018.1 | 34644.2 | 0.0 | U/P |
| 10.717 | 7.3440 | 0.0000 | 89.812 | 2.51853 | 0.00000 | 144238.4 | 34719.8 | 0.0 | U/P |
| 10.725 | 7.3448 | 0.0000 | 89.816 | 2.52003 | 0.00000 | 144458.8 | 34795.3 | 0.0 | U/P |
| 10.733 | 7.3458 | 0.0000 | 89.819 | 2.52153 | 0.00000 | 144679.1 | 34871.0 | 0.0 | U/P |
| 10.742 | 7.3468 | 0.0000 | 89.822 | 2.52302 | 0.00000 | 144899.5 | 34946.6 | 0.0 | U/P |
| 10.750 | 7.3479 | 0.0000 | 89.826 | 2.52452 | 0.00000 | 145119.9 | 35022.3 | 0.0 | U/P |
| 10.758 | 7.3491 | 0.0000 | 89.829 | 2.52602 | 0.00000 | 145340.4 | 35098.1 | 0.0 | U/P |
| 10.767 | 7.3503 | 0.0000 | 89.832 | 2.52751 | 0.00000 | 145560.9 | 35173.9 | 0.0 | U/P |
| 10.775 | 7.3515 | 0.0000 | 89.835 | 2.52901 | 0.00000 | 145781.4 | 35249.8 | 0.0 | U/P |
| 10.783 | 7.3527 | 0.0000 | 89.839 | 2.53050 | 0.00000 | 146002.0 | 35325.6 | 0.0 | U/P |
| 10.792 | 7.3539 | 0.0000 | 89.842 | 2.53199 | 0.00000 | 146222.5 | 35401.6 | 0.0 | U/P |
| 10.800 | 7.3551 | 0.0000 | 89.845 | 2.53348 | 0.00000 | 146443.2 | 35477.6 | 0.0 | U/P |
| 10.808 | 7.3563 | 0.0000 | 89.849 | 2.53498 | 0.00000 | 146663.9 | 35553.6 | 0.0 | U/P |
| 10.817 | 7.3574 | 0.0000 | 89.852 | 2.53646 | 0.00000 | 146884.6 | 35629.7 | 0.0 | U/P |
| 10.825 | 7.3586 | 0.0000 | 89.855 | 2.53795 | 0.00000 | 147105.3 | 35705.8 | 0.0 | U/P |
| 10.833 | 7.3598 | 0.0000 | 89.859 | 2.53944 | 0.00000 | 147326.1 | 35781.9 | 0.0 | U/P |
| 10.842 | 7.3609 | 0.0000 | 89.862 | 2.54093 | 0.00000 | 147546.9 | 35858.1 | 0.0 | U/P |
| 10.850 | 7.3620 | 0.0000 | 89.865 | 2.54241 | 0.00000 | 147767.7 | 35934.4 | 0.0 | U/P |
| 10.858 | 7.3631 | 0.0000 | 89.868 | 2.54390 | 0.00000 | 147988.6 | 36010.7 | 0.0 | U/P |
| 10.867 | 7.3642 | 0.0000 | 89.872 | 2.54538 | 0.00000 | 148209.5 | 36087.0 | 0.0 | U/P |
| 10.875 | 7.3652 | 0.0000 | 89.875 | 2.54686 | 0.00000 | 148430.5 | 36163.4 | 0.0 | U/P |
| 10.883 | 7.3662 | 0.0000 | 89.878 | 2.54835 | 0.00000 | 148651.4 | 36239.8 | 0.0 | U/P |
| 10.892 | 7.3672 | 0.0000 | 89.882 | 2.54983 | 0.00000 | 148872.4 | 36316.3 | 0.0 | U/P |
| 10.900 | 7.3682 | 0.0000 | 89.885 | 2.55131 | 0.00000 | 149093.5 | 36392.8 | 0.0 | U/P |
| 10.908 | 7.3691 | 0.0000 | 89.888 | 2.55278 | 0.00000 | 149314.5 | 36469.4 | 0.0 | U/P |
| 10.917 | 7.3701 | 0.0000 | 89.891 | 2.55426 | 0.00000 | 149535.6 | 36546.0 | 0.0 | U/P |
| 10.925 | 7.3710 | 0.0000 | 89.895 | 2.55574 | 0.00000 | 149756.7 | 36622.6 | 0.0 | U/P |
| 10.933 | 7.3718 | 0.0000 | 89.898 | 2.55721 | 0.00000 | 149977.9 | 36699.3 | 0.0 | U/P |
| 10.942 | 7.3727 | 0.0000 | 89.901 | 2.55869 | 0.00000 | 150199.0 | 36776.1 | 0.0 | U/P |
| 10.950 | 7.3735 | 0.0000 | 89.904 | 2.56016 | 0.00000 | 150420.2 | 36852.9 | 0.0 | U/P |
| 10.958 | 7.3743 | 0.0000 | 89.908 | 2.56163 | 0.00000 | 150641.4 | 36929.7 | 0.0 | U/P |
| 10.967 | 7.3751 | 0.0000 | 89.911 | 2.56310 | 0.00000 | 150862.7 | 37006.6 | 0.0 | U/P |
| 10.975 | 7.3758 | 0.0000 | 89.914 | 2.56458 | 0.00000 | 151084.0 | 37083.5 | 0.0 | U/P |
| 10.983 | 7.3766 | 0.0000 | 89.918 | 2.56604 | 0.00000 | 151305.2 | 37160.4 | 0.0 | U/P |
| 10.992 | 7.3773 | 0.0000 | 89.921 | 2.56751 | 0.00000 | 151526.5 | 37237.4 | 0.0 | U/P |
| 11.000 | 7.3768 | 0.0000 | 89.924 | 2.56898 | 0.00000 | 151747.9 | 37314.5 | 0.0 | U/P |
| 11.008 | 7.3739 | 0.0000 | 89.927 | 2.57044 | 0.00000 | 151969.1 | 37391.6 | 0.0 | U/P |
| 11.017 | 7.3675 | 0.0000 | 89.931 | 2.57191 | 0.00000 | 152190.2 | 37468.7 | 0.0 | U/P |
| 11.025 | 7.3568 | 0.0000 | 89.934 | 2.57337 | 0.00000 | 152411.1 | 37545.9 | 0.0 | U/P |
| 11.033 | 7.3401 | 0.0000 | 89.937 | 2.57482 | 0.00000 | 152631.5 | 37623.1 | 0.0 | U/P |
| 11.042 | 7.3159 | 0.0000 | 89.940 | 2.57627 | 0.00000 | 152851.4 | 37700.4 | 0.0 | U/P |
| 11.050 | 7.2827 | 0.0000 | 89.943 | 2.57771 | 0.00000 | 153070.4 | 37777.7 | 0.0 | U/P |
| 11.058 | 7.2390 | 0.0000 | 89.947 | 2.57914 | 0.00000 | 153288.2 | 37855.0 | 0.0 | U/P |
| 11.067 | 7.1852 | 0.0000 | 89.950 | 2.58055 | 0.00000 | 153504.6 | 37932.4 | 0.0 | U/P |
| 11.075 | 7.1221 | 0.0000 | 89.953 | 2.58195 | 0.00000 | 153719.2 | 38009.9 | 0.0 | U/P |
| 11.083 | 7.0507 | 0.0000 | 89.956 | 2.58333 | 0.00000 | 153931.8 | 38087.4 | 0.0 | U/P |
| 11.092 | 6.9720 | 0.0000 | 89.959 | 2.58468 | 0.00000 | 154142.1 | 38164.9 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Interim Pond $11100 \mathrm{Yr} / 24 \mathrm{Hr}$ w/ overflow from pond 10

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft daturn) | Infilitration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Infiow Volurne ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Fiow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 11.100 | 6.8880 | 0.0000 | 89.962 | 2.58601 | 0.00000 | 154350.0 | 38242.4 | 0.0 | U/P |
| 11.108 | 6.7995 | 0.0000 | 89.964 | 2.58731 | 0.00000 | 154555.3 | 38320.0 | 0.0 | U/P |
| 11.117 | 6.7076 | 0.0000 | 89.967 | 2.58859 | 0.00000 | 154757.9 | 38397.7 | 0.0 | U/P |
| 11.125 | 6.6140 | 0.0000 | 89,970 | 2.58983 | 0.00000 | 154957.8 | 38475.4 | 0.0 | U/P |
| 11.133 | 6.5194 | 0.0000 | 89.973 | 2.59105 | 0.00000 | 155154.8 | 38553.1 | 0.0 | U/P |
| 11.142 | 6.4247 | 0.0000 | 89.975 | 2.59224 | 0.00000 | 155348.9 | 38630.8 | 0.0 | U/P |
| 11.150 | 6.3308 | 0.0000 | 89.978 | 2.59340 | 0.00000 | 155540.3 | 38708.6 | 0.0 | U/P |
| 11.158 | 6.2386 | 0.0000 | 89.980 | 2.59453 | 0.00000 | 155728.8 | 38786.4 | 0.0 | U/P |
| 11.167 | 6.1495 | 0.0000 | 89.983 | 2.59563 | 0.00000 | 155914.6 | 38864.3 | 0.0 | U/P |
| 11.175 | 6.0636 | 0.0000 | 89.985 | 2.59670 | 0.00000 | 156097.8 | 38942.2 | 0.0 | U/P |
| 11.183 | 5.9806 | 0.0000 | 89.987 | 2.59774 | 0.00000 | 156278.5 | 39020.1 | 0.0 | U/P |
| 11.192 | 5.9003 | 0.0000 | 89.990 | 2.59876 | 0.00000 | 156456.7 | 39098.0 | 0.0 | U/P |
| 11.200 | 5.8225 | 0.0000 | 89.992 | 2.59976 | 0.00000 | 156632.5 | 39176.0 | 0.0 | U/P |
| 11.208 | 5.7472 | 0.0000 | 89.994 | 2.60073 | 0.00000 | 156806.1 | 39254.0 | 0.0 | U/P |
| 11.217 | 5.6743 | 0.0000 | 89.996 | 2.60168 | 0.00000 | 156977.4 | 39332.0 | 0.0 | U/P |
| 11.225 | 5.6035 | 0.0000 | 89.998 | 2.60260 | 0.00000 | 157146.6 | 39410.1 | 0.0 | U/P |
| 11.233 | 5.5350 | 0.0000 | 90.000 | 2.60351 | 0.00000 | 157313.6 | 39488.2 | 0.0 | U/P |
| 11.242 | 5.4687 | 0.0000 | 90.002 | 2.60441 | 0.00000 | 157478.7 | 39566.3 | 0.0 | U/P |
| 11.250 | 5.4047 | 0.0000 | 90.004 | 2.60531 | 0.00000 | 157641.8 | 39644.5 | 0.0 | U/P |
| 11.258 | 5.3430 | 0.0000 | 90.006 | 2.60619 | 0.00000 | 157803.0 | 39722.6 | 0.0 | U/P |
| 11.267 | 5.2832 | 0.0000 | 90.007 | 2.60705 | 0.00000 | 157962.4 | 39800.8 | 0.0 | U/P |
| 11.275 | 5.2255 | 0.0000 | 90.009 | 2.60789 | 0.00000 | 158120.0 | 39879.1 | 0.0 | U/P |
| 11.283 | 5.1698 | 0.0000 | 90.011 | 2.60871 | 0.00000 | 158276.0 | 39957.3 | 0.0 | U/P |
| 11.292 | 5.1159 | 0.0000 | 90.013 | 2.60951 | 0.00000 | 158430.3 | 40035.6 | 0.0 | U/P |
| 11.300 | 5.0639 | 0.0000 | 90.014 | 2.61030 | 0.00000 | 158582.9 | 40113.9 | 0.0 | U/P |
| 11.308 | 5.0136 | 0.0000 | 90.016 | 2.61107 | 0.00000 | 158734.1 | 40192.2 | 0.0 | U/P |
| 11.317 | 4.9651 | 0.0000 | 90.017 | 2.61182 | 0.00000 | 158883.8 | 40270.5 | 0.0 | U/P |
| 11.325 | 4.9183 | 0.0000 | 90.019 | 2.61256 | 0.00000 | 159032.0 | 40348.9 | 0.0 | U/P |
| 11.333 | 4.8730 | 0.0000 | 90.020 | 2.61328 | 0.00000 | 159178.9 | 40427.3 | 0.0 | U/P |
| 11.342 | 4.8293 | 0.0000 | 90.022 | 2.61399 | 0.00000 | 159324.4 | 40505.7 | 0.0 | U/P |
| 11.350 | 4.7870 | 0.0000 | 90.023 | 2.61468 | 0.00000 | 159468.7 | 40584.1 | 0.0 | U/P |
| 11.358 | 4.7462 | 0.0000 | 90.025 | 2.61536 | 0.00000 | 159611.7 | 40662.6 | 0.0 | U/P |
| 11.367 | 4.7067 | 0.0000 | 90.026 | 2.61603 | 0.00000 | 159753.5 | 40741.1 | 0.0 | U/P |
| 11.375 | 4.6686 | 0.0000 | 90.028 | 2.61668 | 0.00000 | 159894.1 | 40819.5 | 0.0 | U/P |
| 11.383 | 4.6317 | 0.0000 | 90.029 | 2.61732 | 0.00000 | 160033.6 | 40898.1 | 0.0 | U/P |
| 11.392 | 4.5961 | 0.0000 | 90.030 | 2.61795 | 0.00000 | 160172.0 | 40976.6 | 0.0 | U/P |
| 11.400 | 4.5617 | 0.0000 | 90.032 | 2.61857 | 0.00000 | 160309.4 | 41055.1 | 0.0 | U/P |
| 11.408 | 4.5284 | 0.0000 | 90.033 | 2.61918 | 0.00000 | 160445.8 | 41133.7 | 0.0 | U/P |
| 11.417 | 4.4962 | 0.0000 | 90.034 | 2.61978 | 0.00000 | 160581.1 | 41212.3 | 0.0 | U/P |
| 11.425 | 4.4650 | 0.0000 | 90.035 | 2.62036 | 0.00000 | 160715.5 | 41290.9 | 0.0 | U/P |
| 11.433 | 4.4349 | 0.0000 | 90.037 | 2.62094 | 0.00000 | 160849.0 | 41369.5 | 0.0 | U/P |
| 11.442 | 4.4058 | 0.0000 | 90.038 | 2.62150 | 0.00000 | 160981.6 | 41448.1 | 0.0 | U/P |
| 11.450 | 4.3776 | 0.0000 | 90.039 | 2.62206 | 0.00000 | 161113.4 | 41526.8 | 0.0 | U/P |
| 11.458 | 4.3503 | 0.0000 | 90.040 | 2.62261 | 0.00000 | 161244.3 | 41605.5 | 0.0 | U/P |
| 11.467 | 4.3238 | 0.0000 | 90.041 | 2.62315 | 0.00000 | 161374.4 | 41684.2 | 0.0 | U/P |
| 11.475 | 4.2982 | 0.0000 | 90.042 | 2.62368 | 0.00000 | 161503.8 | 41762.9 | 0.0 | U/P |
| 11.483 | 4.2735 | 0.0000 | 90.043 | 2.62420 | 0.00000 | 161632.3 | 41841.6 | 0.0 | U/P |
| 11.492 | 4.2495 | 0.0000 | 90.045 | 2.62472 | 0.00000 | 161760.2 | 41920.3 | 0.0 | U/P |
| 11.500 | 4.2263 | 0.0000 | 90.046 | 2.62522 | 0.00000 | 161887.3 | 41999.1 | 0.0 | U/P |
| 11.508 | 4.2038 | 0.0000 | 90.047 | 2.62572 | 0.00000 | 162013.8 | 42077.8 | 0.0 | U/P |
| 11.517 | 4.1818 | 0.0000 | 90.048 | 2.62621 | 0.00000 | 162139.5 | 42156.6 | 0.0 | U/P |
| 11.525 | 4.1603 | 0.0000 | 90.049 | 2.62670 | 0.00000 | 162264.7 | 42235.4 | 0.0 | U/P |
| 11.533 | 4.1392 | 0.0000 | 90.050 | 2.62718 | 0.00000 | 162389.2 | 42314.2 | 0.0 | U/P |
| 11.542 | 4.1184 | 0.0000 | 90.051 | 2.62765 | 0.00000 | 162513.0 | 42393.0 | 0.0 | U/P |
| 11.550 | 4.0978 | 0.0000 | 90.052 | 2.62811 | 0.00000 | 162636.3 | 42471.9 | 0.0 | U/P |
| 11.558 | 4.0773 | 0.0000 | 90.053 | 2.62857 | 0.00000 | 162758.9 | 42550.7 | 0.0 | U/P |
| 11.567 | 4.0569 | 0.0000 | 90.054 | 2.62902 | 0.00000 | 162880.9 | 42629.6 | 0.0 | U/P |
| 11.575 | 4.0364 | 0.0000 | 90.055 | 2.62946 | 0.00000 | 163002.3 | 42708.5 | 0.0 | U/P |
| 11.583 | 4.0761 | 0.0000 | 90.055 | 2.62990 | 0.00000 | 163123.1 | 42787.3 | 0.0 | U/P |
| 11.592 | 3.9959 | 0.0000 | 90.056 | 2.63033 | 0.00000 | 163243.3 | 42866.2 | 0.0 | U/P |
| 11.600 | 3.9759 | 0.0000 | 90.057 | 2.63076 | 0.00000 | 163362.9 | 42945.2 | 0.0 | U/P |
| 11.608 | 3.9561 | 0.0000 | 90.058 | 2.63118 | 0.00000 | 163481.8 | 43024.1 | 0.0 | U/P |
| 11.617 | 3.9367 | 0.0000 | 90.059 | 2.63159 | 0.00000 | 163600.2 | 43103.0 | 0.0 | U/P |
| 11.625 | 3.9175 | 0.0000 | 90.060 | 2.63199 | 0.00000 | 163718.0 | 43182.0 | 0.0 | U/P |
| 11.633 | 3.8988 | 0.0000 | 90.061 | 2.63239 | 0.00000 | 163835.3 | 43261.0 | 0.0 | U/P |
| 11.642 | 3.8804 | 0.0000 | 90.061 | 2.63279 | 0.00000 | 163952.0 | 43339.9 | 0.0 | U/P |
| 11.650 | 3.8626 | 0.0000 | 90.062 | 2.63318 | 0.00000 | 164088.1 | 43418.9 | 0.0 | U/P |
| 11.658 | 3.8451 | 0.0000 | 90.063 | 2.63356 | 0.00000 | 164183.7 | 43497.9 | 0.0 | U/P |
| 11.667 | 3.8282 | 0.0000 | 90.064 | 2.63393 | 0.00000 | 164298.8 | 43576.9 | 0.0 | U/P |
| 11.675 | 3.8119 | 0.0000 | 90.065 | 2.63431 | 0.00000 | 164413.4 | 43656.0 | 0.0 | U/P |
| 11.683 | 3.7960 | 0.0000 | 90.065 | 2.63467 | 0.00000 | 164527.6 | 43735.0 | 0.0 | U/P |
| 11.692 | 3.7806 | 0.0000 | 90.066 | 2.63503 | 0.00000 | 164641.2 | 43814.0 | 0.0 | U/P |
| 11.700 | 3.7657 | 0.0000 | 90.067 | 2.63539 | 0.00000 | 164754.4 | 43893.1 | 0.0 | U/P |
| 11.708 | 3.7513 | 0.0000 | 90.068 | 2.63574 | 0.00000 | 164867.2 | 43972.2 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Interim Pond $11100 \mathrm{Yr} / 24 \mathrm{Hr}$ w/ overflow from pond 10

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | $\begin{aligned} & \text { Flow } \\ & \text { Type } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 11.717 | 3.7373 | 0.0000 | 90.068 | 2.63609 | 0.00000 | 164979.5 | 44051.2 | 0.0 | U/P |
| 11.725 | 3.7236 | 0.0000 | 90.069 | 2.63643 | 0.00000 | 165091.4 | 44130.3 | 0.0 | U/P |
| 11.733 | 3.7104 | 0.0000 | 90.070 | 2.63677 | 0.00000 | 165202.9 | 44209.4 | 0.0 | U/P |
| 11.742 | 3.6976 | 0.0000 | 90.071 | 2.63710 | 0.00000 | 165314.0 | 44288.5 | 0.0 | U/P |
| 11.750 | 3.6851 | 0.0000 | 90.071 | 2.63743 | 0.00000 | 165424.8 | 44367.7 | 0.0 | U/P |
| 11.758 | 3.6730 | 0.0000 | 90.072 | 2.63775 | 0.00000 | 165535.1 | 44446.8 | 0.0 | U/P |
| 11.767 | 3.6612 | 0.0000 | 90.073 | 2.63807 | 0.00000 | 165645.2 | 44525.9 | 0.0 | U/P |
| 11.775 | 3.6498 | 0.0000 | 90.073 | 2.63839 | 0.00000 | 165754.8 | 44605.1 | 0.0 | U/P |
| 11.783 | 3.6388 | 0.0000 | 90.074 | 2.63871 | 0.00000 | 165864.2 | 44684.2 | 0.0 | U/P |
| 11.792 | 3.6280 | 0.0000 | 90.075 | 2.63902 | 0.00000 | 165973.2 | 44763.4 | 0.0 | U/P |
| 11.800 | 3.6176 | 0.0000 | 90.075 | 2.63932 | 0.00000 | 166081.8 | 44842.6 | 0.0 | U/P |
| 11.808 | 3.6074 | 0.0000 | 90.076 | 2.63963 | 0.00000 | 166190.2 | 44921.7 | 0.0 | U/P |
| 11.817 | 3.5976 | 0.0000 | 90.077 | 2.63993 | 0.00000 | 166298.3 | 45000.9 | 0.0 | U/P |
| 11.825 | 3.5880 | 0.0000 | 90.077 | 2.64022 | 0.00000 | 166406.1 | 45080.1 | 0.0 | U/P |
| 11.833 | 3.5788 | 0.0000 | 90.078 | 2.64052 | 0.00000 | 166513.6 | 45159.4 | 0.0 | U/P |
| 11.842 | 3.5697 | 0.0000 | 90.078 | 2.64081 | 0.00000 | 166620.8 | 45238.6 | 0.0 | U/P |
| 11.850 | 3.5610 | 0.0000 | 90.079 | 2.64109 | 0.00000 | 166727.8 | 45317.8 | 0.0 | U/P |
| 11.858 | 3.5525 | 0.0000 | 90.080 | 2.64138 | 0.00000 | 166834.5 | 45397.0 | 0.0 | U/P |
| 11.867 | 3.5442 | 0.0000 | 90.080 | 2.64166 | 0.00000 | 166940.9 | 45476.3 | 0.0 | U/P |
| 11.875 | 3.5362 | 0.0000 | 90.081 | 2.64194 | 0.00000 | 167047.1 | 45555.5 | 0.0 | U/P |
| 11.883 | 3.5284 | 0.0000 | 90.081 | 2.64222 | 0.00000 | 167153.1 | 45634.8 | 0.0 | U/P |
| 11.892 | 3.5208 | 0.0000 | 90.082 | 2.64249 | 0.00000 | 167258.8 | 45714.1 | 0.0 | U/P |
| 11.900 | 3.5134 | 0.0000 | 90.083 | 2.64277 | 0.00000 | 167364.3 | 45793.3 | 0.0 | U/P |
| 11.908 | 3.5062 | 0.0000 | 90.083 | 2.64303 | 0.00000 | 167469.6 | 45872.6 | 0.0 | U/P |
| 11.917 | 3.4993 | 0.0000 | 90.084 | 2.64330 | 0.00000 | 167574.7 | 45951.9 | 0.0 | U/P |
| 11.925 | 3.4925 | 0.0000 | 90.084 | 2.64357 | 0.00000 | 167679.6 | 46031.2 | 0.0 | U/P |
| 11.933 | 3.4859 | 0.0000 | 90.085 | 2.64383 | 0.00000 | 167784.3 | 46110.5 | 0.0 | U/P |
| 11.942 | 3.4795 | 0.0000 | 90.085 | 2.64409 | 0.00000 | 167888.8 | 46189.9 | 0.0 | U/P |
| 11.950 | 3.4733 | 0.0000 | 90.086 | 2.64435 | 0.00000 | 167993.0 | 46269.2 | 0.0 | U/P |
| 11.958 | 3.4673 | 0.0000 | 90.086 | 2.64461 | 0.00000 | 168097.2 | 46348.5 | 0.0 | U/P |
| 11.967 | 3.4614 | 0.0000 | 90.087 | 2.64486 | 0.00000 | 168201.1 | 46427.9 | 0.0 | U/P |
| 11.975 | 3.4557 | 0.0000 | 90.087 | 2.64511 | 0.00000 | 168304.8 | 46507.2 | 0.0 | U/P |
| 11.983 | 3.4501 | 0.0000 | 90.088 | 2.64536 | 0.00000 | 168408.4 | 46586.6 | 0.0 | U/P |
| 11.992 | 3.4447 | 0.0000 | 90.089 | 2.64561 | 0.00000 | 168511.8 | 46665.9 | 0.0 | U/P |
| 12.000 | 3.4395 | 0.0000 | 90.089 | 2.64586 | 0.00000 | 168615.1 | 46745.3 | 0.0 | U/P |
| 12.008 | 3.4345 | 0.0000 | 90.090 | 2.64611 | 0.00000 | 168718.2 | 46824.7 | 0.0 | U/P |
| 12.017 | 3.4297 | 0.0000 | 90.090 | 2.64635 | 0.00000 | 168821.2 | 46904.1 | 0.0 | U/P |
| 12.025 | 3.4253 | 0.0000 | 90.091 | 2.64659 | 0.00000 | 168924.0 | 46983.5 | 0.0 | U/P |
| 12.033 | 3.4212 | 0.0000 | 90.091 | 2.64683 | 0.00000 | 169026.7 | 47062.9 | 0.0 | U/P |
| 12.042 | 3.4176 | 0.0000 | 90.092 | 2.64707 | 0.00000 | 169129.3 | 47142.3 | 0.0 | U/P |
| 12.050 | 3.4145 | 0.0000 | 90.092 | 2.64731 | 0.00000 | 169231.8 | 47221.7 | 0.0 | U/P |
| 12.058 | 3.4120 | 0.0000 | 90.093 | 2.64755 | 0.00000 | 169334.2 | 47301.1 | 0.0 | U/P |
| 12.067 | 3.4101 | 0.0000 | 90.093 | 2.64778 | 0.00000 | 169436.5 | 47380.6 | 0.0 | U/P |
| 12.075 | 3.4089 | 0.0000 | 90.094 | 2.64802 | 0.00000 | 169538.8 | 47460.0 | 0.0 | U/P |
| 12.083 | 3.4082 | 0.0000 | 90.094 | 2.64825 | 0.00000 | 169641.0 | 47539.4 | 0.0 | U/P |
| 12.092 | 3.4081 | 0.0000 | 90.095 | 2.64849 | 0.00000 | 169743.3 | 47618.9 | 0.0 | U/P |
| 12.100 | 3.4084 | 0.0000 | 90.095 | 2.64872 | 0.00000 | 169845.5 | 47698.3 | 0.0 | U/P |
| 12.108 | 3.4091 | 0.0000 | 90.096 | 2.64896 | 0.00000 | 169947.8 | 47777.8 | 0.0 | U/P |
| 12.117 | 3.4100 | 0.0000 | 90.096 | 2.64919 | 0.00000 | 170050.1 | 47857.3 | 0.0 | U/P |
| 12.125 | 3.4112 | 0,0000 | 90.097 | 2.64943 | 0.00000 | 170152.4 | 47936.8 | 0.0 | U/P |
| 12.133 | 3.4126 | 0.0000 | 90.097 | 2.64966 | 0.00000 | 170254.8 | 48016.2 | 0.0 | U/P |
| 12.142 | 3.4140 | 0.0000 | 90.098 | 2.64990 | 0.00000 | 170357.2 | 48095.7 | 0.0 | U/P |
| 12.150 | 3.4156 | 0.0000 | 90.098 | 2.65014 | 0.00000 | 170459.6 | 48175.2 | 0.0 | U/P |
| 12.158 | 3.4171 | 0.0000 | 90.099 | 2.65037 | 0.00000 | 170562.1 | 48254.7 | 0.0 | U/P |
| 12.167 | 3.4187 | 0.0000 | 90.099 | 2.65064 | 0.00000 | 170664.6 | 48334.3 | 0.0 | U/P |
| 12.175 | 3.4201 | 0.0000 | 90.100 | 2.65085 | 0.00000 | 170767.2 | 48413.8 | 0.0 | U/P |
| 12.183 | 3.4215 | 0.0000 | 90.100 | 2.65108 | 0.00000 | 170869.8 | 48493.3 | 0.0 | U/P |
| 12.192 | 3.4228 | 0.0000 | 90.101 | 2.65132 | 0.00000 | 170972.5 | 48572.8 | 0.0 | U/P |
| 12.200 | 3.4241 | 0.0000 | 90.101 | 2.65156 | 0.00000 | 171075.2 | 48652.4 | 0.0 | U/P |
| 12.208 | 3.4253 | 0.0000 | 90.102 | 2.65180 | 0.00000 | 171177.9 | 48731.9 | 0.0 | U/P |
| 12.217 | 3.4265 | 0.0000 | 90.102 | 2.65204 | 0.00000 | 171280.7 | 48811.5 | 0.0 | U/P |
| 12.225 | 3.4276 | 0.0000 | 90.103 | 2.65228 | 0.00000 | 171383.5 | 48891.1 | 0.0 | U/P |
| 12.233 | 3.4287 | 0.0000 | 90.103 | 2.65252 | 0.00000 | 171486.4 | 48970.6 | 0.0 | U/P |
| 12.242 | 3.4298 | 0.0000 | 90.104 | 2.65275 | 0.00000 | 171589.3 | 49050.2 | 0.0 | U/P |
| 12.250 | 3.4309 | 0.0000 | 90.104 | 2.65299 | 0.00000 | 171692.2 | 49129.8 | 0.0 | U/P |
| 12.258 | 3.4319 | 0.0000 | 90.105 | 2.65323 | 0.00000 | 171795.1 | 49209.4 | 0.0 | U/P |
| 12.267 | 3.4329 | 0.0000 | 90.105 | 2.65347 | 0.00000 | 171898.1 | 49289.0 | 0.0 | U/P |
| 12.275 | 3.4339 | 0.0000 | 90.106 | 2.65371 | 0.00000 | 172001.1 | 49368.6 | 0.0 | U/P |
| 12.283 | 3.4348 | 0.0000 | 90.106 | 2.65396 | 0.00000 | 172104.1 | 49448.2 | 0.0 | U/P |
| 12.292 | 3.4357 | 0.0000 | 90.107 | 2.65420 | 0.00000 | 172207.2 | 49527.8 | 0.0 | U/P |
| 12.300 | 3.4366 | 0.0000 | 90.107 | 2.65444 | 0.00000 | 172310.3 | 49607.5 | 0.0 | U/P |
| 12.308 | 3.4375 | 0.0000 | 90.108 | 2.65468 | 0.00000 | 172413.4 | 49687.1 | 0.0 | U/P |
| 12.317 | 3.4383 | 0.0000 | 90.108 | 2.65492 | 0.00000 | 172516.5 | 49766.8 | 0.0 | U/P |
| 12.325 | 3.4391 | 0.0000 | 90.109 | 2.65516 | 0.00000 | 172619.7 | 49846.4 | 0.0 | U/P |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: Interim Pond $11100 \mathrm{Yr} / 24 \mathrm{Hr}$ w/ overflow from pond 10

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{2} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{t}^{3 /} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 12.333 | 3.4399 | 0.0000 | 90.109 | 2.65540 | 0.00000 | 172722.8 | 49926.1 | 0.0 | U/P |
| 12.342 | 3.4407 | 0.0000 | 90.110 | 2.65564 | 0.00000 | 172826.1 | 50005.7 | 0.0 | U/P |
| 12.350 | 3.4414 | 0.0000 | 90.110 | 2.65589 | 0.00000 | 172929.3 | 50085.4 | 0.0 | U/P |
| 12.358 | 3.4421 | 0.0000 | 90.111 | 2.65613 | 0.00000 | 173032.5 | 50165.1 | 0.0 | U/P |
| 12.367 | 3.4429 | 0.0000 | 90.111 | 2.65637 | 0.00000 | 173135.8 | 50244.8 | 0.0 | U/P |
| 12.375 | 3.4435 | 0.0000 | 90.112 | 2.65661 | 0.00000 | 173239.1 | 50324.5 | 0.0 | U/P |
| 12.383 | 3.4442 | 0.0000 | 90.112 | 2.65686 | 0.00000 | 173342.4 | 50404.2 | 0.0 | U/P |
| 12.392 | 3.4449 | 0.0000 | 90.113 | 2.65710 | 0.00000 | 173445.8 | 50483.9 | 0.0 | U/P |
| 12.400 | 3.4455 | 0.0000 | 90.113 | 2.65734 | 0.00000 | 173549.1 | 50563.6 | 0.0 | U/P |
| 12.408 | 3.4461 | 0.0000 | 90.114 | 2.65758 | 0.00000 | 173652.5 | 50643.3 | 0.0 | U/P |
| 12.417 | 3.4467 | 0.0000 | 90.114 | 2.65783 | 0.00000 | 173755.9 | 50723.0 | 0.0 | U/P |
| 12.425 | 3.4473 | 0.0000 | 90.115 | 2.65807 | 0.00000 | 173859.3 | 50802.8 | 0.0 | U/P |
| 12.433 | 3.4479 | 0.0000 | 90.115 | 2.65831 | 0.00000 | 173962.7 | 50882.5 | 0.0 | U/P |
| 12.442 | 3.4484 | 0.0000 | 90.116 | 2.65856 | 0.00000 | 174066.2 | 50962.3 | 0.0 | U/P |
| 12.450 | 3.4489 | 0.0000 | 90.117 | 2.65880 | 0.00000 | 174169.6 | 51042.0 | 0.0 | U/P |
| 12.458 | 3.4495 | 0.0000 | 90.117 | 2.65904 | 0.00000 | 174273.1 | 51121.8 | 0.0 | U/P |
| 12.467 | 3.4500 | 0.0000 | 90.118 | 2.65928 | 0.00000 | 174376.6 | 51201.6 | 0.0 | U/P |
| 12.475 | 3.4505 | 0.0000 | 90.118 | 2.65953 | 0.00000 | 174480.1 | 51281.4 | 0.0 | U/P |
| 12.483 | 3.4510 | 0.0000 | 90.119 | 2.65977 | 0.00000 | 174583.6 | 51361.2 | 0.0 | U/P |
| 12.492 | 3.4514 | 0.0000 | 90.119 | 2.66001 | 0.00000 | 174687.2 | 51441.0 | 0.0 | U/P |
| 12.500 | 3.4519 | 0.0000 | 90.120 | 2.66026 | 0.00000 | 174790.7 | 51520.8 | 0.0 | U/P |
| 12.508 | 3.4523 | 0.0000 | 90.120 | 2.66050 | 0.00000 | 174894.3 | 51600.6 | 0.0 | U/P |
| 12.517 | 3.4526 | 0.0000 | 90.121 | 2.66075 | 0.00000 | 174997.8 | 51680.4 | 0.0 | U/P |
| 12.525 | 3.4527 | 0.0000 | 90.121 | 2.66099 | 0.00000 | 175101.4 | 51760.2 | 0.0 | U/P |
| 12.533 | 3.4526 | 0.0000 | 90.122 | 2.66123 | 0.00000 | 175205.0 | 51840.0 | 0.0 | U/P |
| 12.542 | 3.4522 | 0.0000 | 90.122 | 2.66148 | 0.00000 | 175308.6 | 51919.9 | 0.0 | U/P |
| 12.550 | 3.4515 | 0.0000 | 90.123 | 2.66172 | 0.00000 | 175412.1 | 51999.7 | 0.0 | U/P |
| 12.558 | 3.4503 | 0.0000 | 90.123 | 2.66196 | 0.00000 | 175515.7 | 52079.6 | 0.0 | U/P |
| 12.567 | 3.4485 | 0.0000 | 90.124 | 2.66220 | 0.00000 | 175619.1 | 52159.5 | 0.0 | U/P |
| 12.575 | 3.4463 | 0.0000 | 90.124 | 2.66245 | 0.00000 | 175722.6 | 52239.3 | 0.0 | U/P |
| 12.583 | 3.4435 | 0.0000 | 90.125 | 2.66269 | 0.00000 | 175825.9 | 52319.2 | 0.0 | U/P |
| 12.592 | 3.4403 | 0.0000 | 90.125 | 2.66293 | 0.00000 | 175929.2 | 52399.1 | 0.0 | U/P |
| 12.600 | 3.4367 | 0.0000 | 90.126 | 2.66317 | 0.00000 | 176032.3 | 52479.0 | 0.0 | U/P |
| 12.608 | 3.4329 | 0.0000 | 90.126 | 2.66340 | 0.00000 | 176135.4 | 52558.9 | 0.0 | U/P |
| 12.617 | 3.4288 | 0.0000 | 90.127 | 2.66364 | 0.00000 | 176238.3 | 52638.8 | 0.0 | U/P |
| 12.625 | 3.4245 | 0.0000 | 90.127 | 2.66387 | 0.00000 | 176341.1 | 52718.7 | 0.0 | U/P |
| 12.633 | 3.4201 | 0.0000 | 90.128 | 2.66411 | 0.00000 | 176443.8 | 52798.6 | 0.0 | U/P |
| 12.642 | 3.4156 | 0.0000 | 90.128 | 2.66434 | 0.00000 | 176546.3 | 52878.5 | 0.0 | U/P |
| 12.650 | 3.41112 | 0.0000 | 90.129 | 2.66457 | 0.00000 | 176648.7 | 52958.5 | 0.0 | U/P |
| \$2.658 | 3.4067 | 0.0000 | 90.129 | 2.66480 | 0.00000 | 176751.0 | 53038.4 | 0.0 | U/P |
| 12.667 | 3.4024 | 0.0000 | 90.130 | 2.66503 | 0.00000 | 176853.1 | 53118.4 | 0.0 | U/P |
| 12.675 | 3.3982 | 0.0000 | 90.130 | 2.66525 | 0.00000 | 176955.1 | 53198.3 | 0.0 | U/P |
| 12.683 | 3.3941 | 0.0000 | 90.131 | 2.66548 | 0.00000 | 177057.0 | 53278.3 | 0.0 | U/P |
| 12.692 | 3.3902 | 0.0000 | 90.131 | 2.66570 | 0.00000 | 177158.8 | 53358.2 | 0.0 | U/P |
| 12.700 | 3.3864 | 0.0000 | 90.132 | 2.66593 | 0.00000 | 177260.4 | 53438.2 | 0.0 | U/P |
| 12.708 | 3.3827 | 0.0000 | 90.132 | 2.66615 | 0.00000 | 177361.9 | 53518.2 | 0.0 | U/P |
| 12.717 | 3.3791 | 0.0000 | 90.133 | 2.66637 | 0.00000 | 177463.4 | 53598.2 | 0.0 | U/P |
| 12.725 | 3.3756 | 0.0000 | 90.133 | 2.66659 | 0.00000 | 177564.7 | 53678.2 | 0.0 | U/P |
| 12.733 | 3.3723 | 0.0000 | 90.133 | 2.66680 | 0.00000 | 177665.9 | 53758.2 | 0.0 | U/P |
| 12.742 | 3.3690 | 0.0000 | 90.734 | 2.66702 | 0.00000 | 177767.0 | 53838.2 | 0.0 | U/P |
| 12.750 | 3.3658 | 0.0000 | 90.134 | 2.66724 | 0.00000 | 177868.0 | 53918.2 | 0.0 | U/P |
| 12.758 | 3.3627 | 0.0000 | 90.135 | 2.66745 | 0.00000 | 177969.0 | 53998.2 | 0.0 | U/P |
| 12.767 | 3.3596 | 0.0000 | 90.135 | 2.66766 | 0.00000 | 178069.8 | 54078.2 | 0.0 | U/P |
| 12.775 | 3.3567 | 0.0000 | 90.136 | 2.66788 | 0.00000 | 178170.6 | 54158.3 | 0.0 | U/P |
| 12.783 | 3.3538 | 0.0000 | 90.136 | 2.66809 | 0.00000 | 178271.2 | 54238.3 | 0.0 | U/P |
| 12.792 | 3.3511 | 0.0000 | 90.137 | 2.66830 | 0.00000 | 178371.8 | 54318.4 | 0.0 | U/P |
| 12.800 | 3.3484 | 0.0000 | 90.137 | 2.66851 | 0.00000 | 178472.3 | 54398.4 | 0.0 | U/P |
| 12.808 | 3.3457 | 0.0000 | 90.138 | 2.66872 | 0.00000 | 178572.7 | 54478.5 | 0.0 | U/P |
| 12.817 | 3.3432 | 0.0000 | 90.138 | 2.66892 | 0.00000 | 178673.0 | 54558.5 | 0.0 | U/P |
| 12.825 | 3.3407 | 0.0000 | 90.138 | 2.66973 | 0.00000 | 178773.3 | 54638.6 | 0.0 | U/P |
| 12.833 | 3.3383 | 0.0000 | 90.139 | 2.66934 | 0.00000 | 178873.5 | 54718.7 | 0.0 | U/P |
| 12.842 | 3.3359 | 0.0000 | 90.139 | 2.66954 | 0.00000 | 178973.6 | 54798.8 | 0.0 | U/P |
| 12.850 | 3.3336 | 0.0000 | 90.140 | 2.66974 | 0.00000 | 179073.6 | 54878.9 | 0.0 | U/P |
| 12.858 | 3.3314 | 0.0000 | 90.140 | 2.66995 | 0.00000 | 179173.6 | 54959.0 | 0.0 | U/P |
| 12.867 | 3.3293 | 0.0000 | 90.141 | 2.67015 | 0.00000 | 179273.5 | 55039.1 | 0.0 | U/P |
| 12.875 | 3.3272 | 0.0000 | 90.141 | 2.67035 | 0.00000 | 179373.4 | 55119.2 | 0.0 | U/P |
| 12.883 | 3.3251 | 0.0000 | 90.141 | 2.67055 | 0.00000 | 179473.1 | 55199.3 | 0.0 | U/P |
| 12.892 | 3.3231 | 0.0000 | 90.142 | 2.67075 | 0.00000 | 179572.9 | 55279.4 | 0.0 | U/P |
| 12.900 | 3.3212 | 0.0000 | 90.142 | 2.67095 | 0.00000 | 179672.5 | 55359.5 | 0.0 | U/P |
| 12.908 | 3.3193 | 0.0000 | 90.143 | 2.67115 | 0.00000 | 179772.1 | 55439.7 | 0.0 | U/P |
| 12.917 | 3.3175 | 0.0000 | 90.143 | 2.67135 | 0.00000 | 179871.7 | 55519.8 | 0.0 | U/P |
| 12.925 | 3.3157 | 0.0000 | 90.144 | 2.67155 | 0.00000 | 179971.2 | 55599.9 | 0.0 | U/P |
| 12.933 | 3.3139 | 0.0000 | 90.144 | 2.67175 | 0.00000 | 180070.6 | 55680.1 | 0.0 | U/P |
| 12.942 | 3.3122 | 0.0000 | 90.144 | 2.67194 | 0.00000 | 180170.0 | 55760.2 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Interim Pond $11100 \mathrm{Yr} / 24 \mathrm{Hr}$ w/ overflow from pond 10

| Elapsed Time (hours) | inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (IV/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{t}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | $\begin{aligned} & \text { Cumulative } \\ & \text { Inflow } \\ & \text { Volume ( } \mathrm{f}^{3} \text { ) } \end{aligned}$ | Cumulative infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ff}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 12.950 | 3.3106 | 0.0000 | 90.145 | 2.67214 | 0.00000 | 180269.4 | 55840.4 | 0.0 | U/P |
| 12.958 | 3.3090 | 0.0000 | 90.145 | 2.67234 | 0.00000 | 180368.7 | 55920.6 | 0.0 | U/P |
| 12.967 | 3.3074 | 0.0000 | 90.146 | 2.67253 | 0.00000 | 180467.9 | 56000.7 | 0.0 | U/P |
| 12.975 | 3.3059 | 0.0000 | 90.146 | 2.67273 | 0.00000 | 180567.1 | 56080.9 | 0.0 | U/P |
| 12.983 | 3.3044 | 0.0000 | 90.146 | 2.67292 | 0.00000 | 180666.3 | 56161.1 | 0.0 | U/P |
| 12.992 | 3.3030 | 0.0000 | 90.147 | 2.67311 | 0.00000 | 180765.4 | 56241.3 | 0.0 | U/P |
| 13.000 | 3.3016 | 0.0000 | 90.147 | 2.67331 | 0.00000 | 180864.4 | 56321.5 | 0.0 | U/P |
| 13.008 | 3.3002 | 0.0000 | 90.148 | 2.67350 | 0.00000 | 180963.5 | 56401.7 | 0.0 | U/P |
| 13.017 | 3.2984 | 0.0000 | 90.148 | 2.67369 | 0.00000 | 181062.4 | 56481.9 | 0.0 | U/P |
| 13.025 | 3.2956 | 0.0000 | 90.148 | 2.67388 | 0.00000 | 181161.3 | 56562.1 | 0.0 | U/P |
| 13.033 | 3.2916 | 0.0000 | 90.149 | 2.67407 | 0.00000 | 181260.2 | 56642.3 | 0.0 | U/P |
| 13.042 | 3.2860 | 0.0000 | 90.149 | 2.67426 | 0.00000 | 181358.8 | 56722.6 | 0.0 | U/P |
| 13.050 | 3.2782 | 0.0000 | 90.150 | 2.67445 | 0.00000 | 181457.3 | 56802.8 | 0.0 | U/P |
| 13.058 | 3.2676 | 0.0000 | 90.150 | 2.67463 | 0.00000 | 181555.5 | 56883.0 | 0.0 | U/P |
| 13.067 | 3.2538 | 0.0000 | 90.150 | 2.67481 | 0.00000 | 181653.3 | 56963.3 | 0.0 | U/P |
| 13.075 | 3.2362 | 0.0000 | 90.151 | 2.67499 | 0.00000 | 181750.6 | 57043.5 | 0.0 | U/P |
| 13.083 | 3.2151 | 0.0000 | 90.151 | 2.67516 | 0.00000 | 181847.4 | 57123.8 | 0.0 | U/P |
| 13.092 | 3.1908 | 0.0000 | 90.151 | 2.67533 | 0.00000 | 181943.5 | 57204.0 | 0.0 | U/P |
| 13.100 | 3.1638 | 0.0000 | 90.152 | 2.67548 | 0.00000 | 182038.8 | 57284.3 | 0.0 | U/P |
| 13.108 | 3.1344 | 0.0000 | 90.152 | 2.67563 | 0.00000 | 182133.3 | 57364.6 | 0.0 | U/P |
| 13.117 | 3.1034 | 0.0000 | 90.152 | 2.67577 | 0.00000 | 182226.9 | 57444.8 | 0.0 | U/P |
| 13.125 | 3.0712 | 0.0000 | 90.153 | 2.67590 | 0.00000 | 182319.5 | 57525.1 | 0.0 | U/P |
| 13.133 | 3.0380 | 0.0000 | 90.153 | 2.67602 | 0.00000 | 182411.1 | 57605.4 | 0.0 | U/P |
| 13.142 | 3.0044 | 0.0000 | 90.153 | 2.67614 | 0.00000 | 182501.8 | 57685.7 | 0.0 | U/P |
| 13.150 | 2.9708 | 0.0000 | 90.153 | 2.67624 | 0.00000 | 182591.4 | 57766.0 | 0.0 | U/P |
| 13.158 | 2.9374 | 0.0000 | 90.154 | 2.67633 | 0.00000 | 182680.0 | 57846.2 | 0.0 | U/P |
| 13.167 | 2.9045 | 0.0000 | 90.154 | 2.67641 | 0.00000 | 182767.6 | 57926.5 | 0.0 | U/P |
| 13.175 | 2.8723 | 0.0000 | 90.154 | 2.67648 | 0.00000 | 182854.3 | 58006.8 | 0.0 | U/P |
| 13.183 | 2.8415 | 0.0000 | 90.154 | 2.67654 | 0.00000 | 182940.0 | 58087.1 | 0.0 | U/P |
| 13.192 | 2.8118 | 0.0000 | 90.154 | 2.67659 | 0.00000 | 183024.8 | 58167.4 | 0.0 | U/P |
| 13.200 | 2.7833 | 0.0000 | 90.154 | 2.67663 | 0.00000 | 183108.7 | 58247.7 | 0.0 | U/P |
| 13.208 | 2.7557 | 0.0000 | 90.154 | 2.67666 | 0.00000 | 183191.8 | 58328.0 | 0.0 | U/P |
| 13.217 | 2.7289 | 0.0000 | 90.154 | 2.67668 | 0.00000 | 183274.1 | 58408.3 | 0.0 | U/P |
| 13.225 | 2.7030 | 0.0000 | 90.154 | 2.67670 | 0.00000 | 183355.5 | 58488.6 | 0.0 | U/P |
| 13.233 | 2.6778 | 0.0000 | 90.154 | 2.67671 | 0.00000 | 183436.3 | 58568.9 | 0.0 | U/P |
| 13.242 | 2.6533 | 0.0000 | 90.154 | 2.67671 | 0.00000 | \$83516.2 | 58649.2 | 0.0 | U/P |
| 13.250 | 2.6296 | 0.0000 | 90.154 | 2.67670 | 0.00000 | 183595.5 | 58729.5 | 0.0 | U/P |
| 13.258 | 2.6066 | 0.0000 | 90.154 | 2.67669 | 0.00000 | 183674.0 | 58809.8 | 0.0 | U/P |
| 13.267 | 2.5842 | 0.0000 | 90.154 | 2.67667 | 0.00000 | 183751.9 | 58890.1 | 0.0 | U/P |
| 13.275 | 2.5626 | 0.0000 | 90.154 | 2.67664 | 0.00000 | 183829.1 | 58970.4 | 0.0 | U/P |
| 13.283 | 2.5416 | 0.0000 | 90.154 | 2.67660 | 0.00000 | 183905.6 | 59050.7 | 0.0 | U/P |
| 13.292 | 2.5212 | 0.0000 | 90.154 | 2.67656 | 0.00000 | 183981.6 | 59131.0 | 0.0 | U/P |
| 13.300 | 2.5014 | 0.0000 | 90.154 | 2.67651 | 0.00000 | 184056.9 | 59211.3 | 0.0 | U/P |
| 13.308 | 2.4821 | 0.0000 | 90.154 | 2.67646 | 0.00000 | 184131.7 | 59291.6 | 0.0 | U/P |
| 13.317 | 2.4635 | 0.0000 | 90.154 | 2.67640 | 0.00000 | 184205.9 | 59371.9 | 0.0 | U/P |
| 13.325 | 2.4453 | 0.0000 | 90.153 | 2.67634 | 0.00000 | 184279.5 | 59452.2 | 0.0 | U/P |
| 13.333 | 2.4277 | 0.0000 | 90.153 | 2.67627 | 0.00000 | 184352.6 | 59532.5 | 0.0 | U/P |
| 13.342 | 2.4106 | 0.0000 | 90.153 | 2.67619 | 0.00000 | 184425.2 | 59612.8 | 0.0 | U/P |
| 13.350 | 2.3940 | 0.0000 | 90.153 | 2.67611 | 0.00000 | 184497.2 | 59693.0 | 0.0 | U/P |
| 13.358 | 2.3778 | 0.0000 | 90.153 | 2.67602 | 0.00000 | 184568.8 | 59773.3 | 0.0 | U/P |
| 13.367 | 2.3621 | 0.0000 | 90.153 | 2.67593 | 0.00000 | 184639.9 | 59853.6 | 0.0 | U/P |
| 13.375 | 2.3468 | 0.0000 | 90.152 | 2.67584 | 0.00000 | 184710.5 | 59933.9 | 0.0 | U/P |
| 13.383 | 2.3319 | 0.0000 | 90.152 | 2.67573 | 0.00000 | 184780.7 | 60014.2 | 0.0 | U/P |
| 13.392 | 2.3174 | 0.0000 | 90.152 | 2.67563 | 0.00000 | 184850.5 | 60094.4 | 0.0 | U/P |
| 13.400 | 2.3033 | 0.0000 | 90.152 | 2.67552 | 0.00000 | 184919.8 | 60174.7 | 0.0 | U/P |
| 13.408 | 2.2896 | 0.0000 | 90.151 | 2.67541 | 0.00000 | 184988.7 | 60255.0 | 0.0 | U/P |
| 13.417 | 2.2763 | 0.0000 | 90.151 | 2.67529 | 0.00000 | 185057.2 | 60335.2 | 0.0 | U/P |
| 13.425 | 2.2633 | 0.0000 | 90.151 | 2.67517 | 0.00000 | 185125.3 | 60415.5 | 0.0 | U/P |
| 13.433 | 2.2507 | 0.0000 | 90.151 | 2.67504 | 0.00000 | 185193.0 | 60495.7 | 0.0 | U/P |
| 13.442 | 2.2384 | 0.0000 | 90.150 | 2.67491 | 0.00000 | 185260.3 | 60576.0 | 0.0 | U/P |
| 13.450 | 2.2264 | 0.0000 | 90.150 | 2.67478 | 0.00000 | 185327.3 | 60656.2 | 0.0 | U/P |
| 13.458 | 2.2148 | 0.0000 | 90.150 | 2.67464 | 0.00000 | 185393.9 | 60736.5 | 0.0 | U/P |
| 13.467 | 2.2034 | 0.0000 | 90.149 | 2.67450 | 0.00000 | 185460.2 | 60816.7 | 0.0 | U/P |
| 13.475 | 2.1923 | 0.0000 | 90.149 | 2.67435 | 0.00000 | 185526.1 | 60896.9 | 0.0 | U/P |
| 13.483 | 2.1815 | 0.0000 | 90.149 | 2.67421 | 0.00000 | 185591.7 | 60977.2 | 0.0 | U/P |
| 13.492 | 2.1710 | 0.0000 | 90.148 | 2.67406 | 0.00000 | 185657.0 | 61057.4 | 0.0 | U/P |
| 13.500 | 2.1607 | 0.0000 | 90.148 | 2.67390 | 0.00000 | 185722.0 | 61137.6 | 0.0 | U/P |
| 13.508 | 2.1507 | 0.0000 | 90.148 | 2.67375 | 0.00000 | 185786.6 | 61217.8 | 0.0 | U/P |
| 13.517 | 2.1410 | 0.0000 | 90.147 | 2.67359 | 0.00000 | 185851.0 | 61298.0 | 0.0 | U/P |
| 13.525 | 2.1315 | 0.0000 | 90.147 | 2.67342 | 0.00000 | 185915.1 | 61378.2 | 0.0 | U/P |
| 13.533 | 2.1222 | 0.0000 | 90.147 | 2.67326 | 0.00000 | 185978.9 | 61458.4 | 0.0 | U/P |
| 13.542 | 2.1131 | 0.0000 | 90.146 | 2.67309 | 0.00000 | 186042.4 | 61538.6 | 0.0 | U/P |
| 13.550 | 2.1041 | 0.0000 | 90.146 | 2.67292 | 0.00000 | 186105.7 | 61618.8 | 0.0 | U/P |
| 13.558 | 2.0953 | 0.0000 | 90.146 | 2.67274 | 0.00000 | 186168.7 | 61699.0 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario $1::$ Interim Pond $11100 \mathrm{Yr} / 24 \mathrm{Hr}$ w/ overflow from pond 10

| Elapsed Time (hours) | Inflow <br> Rate <br> ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infitration Rate $\left(f^{3 /} / \mathrm{s}\right)$ | Overflow Discharge ( $\mathrm{ft}^{3 / 5}$ ) | Cumulative Inflow Volume ( $f^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 13.567 | 2.0866 | 0.0000 | 90.145 | 2.67257 | 0.00000 | 186231.4 | 61779.2 | 0.0 | U/P |
| 13.575 | 2.0779 | 0.0000 | 90.145 | 2.67239 | 0.00000 | 186293.9 | 61859.4 | 0.0 | U/P |
| 13.583 | 2.0694 | 0.0000 | 90.145 | 2.67220 | 0.00000 | 186356.1 | 61939.5 | 0.0 | U/P |
| 13.592 | 2.0609 | 0.0000 | 90.144 | 2.67202 | 0.00000 | 186418.0 | 62019.7 | 0.0 | U/P |
| 13.600 | 2.0525 | 0.0000 | 90.144 | 2.67183 | 0.00000 | 186479.7 | 62099.9 | 0.0 | U/P |
| 13.608 | 2.0442 | 0.0000 | 90.143 | 2.67164 | 0.00000 | 186541.2 | 62180.0 | 0.0 | U/P |
| 13.617 | 2.0361 | 0.0000 | 90.143 | 2.67145 | 0.00000 | 186602.4 | 62260.1 | 0.0 | U/P |
| 13.625 | 2.0280 | 0.0000 | 90.142 | 2.67126 | 0.00000 | 186663.4 | 62340.3 | 0.0 | U/P |
| 13.633 | 2.0201 | 0.0000 | 90.142 | 2.67106 | 0.00000 | 186724.1 | 62420.4 | 0.0 | U/P |
| 13.642 | 2.0123 | 0.0000 | 90.142 | 2.67086 | 0.00000 | 186784.6 | 62500.6 | 0.0 | U/P |
| 13.650 | 2.0047 | 0.0000 | 90.141 | 2.67066 | 0.00000 | 186844.8 | 62580.7 | 0.0 | U/P |
| 13.658 | 1.9973 | 0.0000 | 90.141 | 2.67045 | 0.00000 | 186904.8 | 62660.8 | 0.0 | U/P |
| 13.667 | 1.9900 | 0.0000 | 90.140 | 2.67025 | 0.00000 | 186964.7 | 62740.9 | 0.0 | U/P |
| 13.675 | 1.9828 | 0.0000 | 90.140 | 2.67004 | 0.00000 | 187024.3 | 62821.0 | 0.0 | U/P |
| 13.683 | 1.9759 | 0.0000 | 90.139 | 2.66983 | 0.00000 | 187083.6 | 62901.1 | 0.0 | U/P |
| 13.692 | 1.9692 | 0.0000 | 90.139 | 2.66961 | 0.00000 | 187142.8 | 62981.2 | 0.0 | U/P |
| 13.700 | 1.9626 | 0.0000 | 90.139 | 2.66940 | 0.00000 | 187201.8 | 63061.3 | 0.0 | U/P |
| 13.708 | 1.9562 | 0.0000 | 90.138 | 2.66918 | 0.00000 | 187260.6 | 63141.4 | 0.0 | U/P |
| 13.717 | 1.9499 | 0.0000 | 90.138 | 2.66896 | 0.00000 | 187319.2 | 63221.4 | 0.0 | U/P |
| 13.725 | 1.9438 | 0.0000 | 90.137 | 2.66874 | 0.00000 | 187377.6 | 63301.5 | 0.0 | U/P |
| 13.733 | 1.9379 | 0.0000 | 90.137 | 2.66852 | 0.00000 | 187435.8 | 63381.6 | 0.0 | U/P |
| 13.742 | 1.9321 | 0.0000 | 90.136 | 2.66830 | 0.00000 | 187493.8 | 63461.6 | 0.0 | U/P |
| 13.750 | 1.9264 | 0.0000 | 90.136 | 2.66807 | 0.00000 | 187551.7 | 63541.7 | 0.0 | U/P |
| 13.758 | 1.9208 | 0.0000 | 90.135 | 2.66784 | 0.00000 | 187609.4 | 63621.7 | 0.0 | U/P |
| 13.767 | 1.9154 | 0.0000 | 90.135 | 2.66762 | 0.00000 | 187667.0 | 63701.7 | 0.0 | U/P |
| 13.775 | 1.9101 | 0.0000 | 90.134 | 2.66738 | 0.00000 | 187724.3 | 63781.8 | 0.0 | U/P |
| 13.783 | 1.9050 | 0.0000 | 90.134 | 2.66715 | 0.00000 | 187781.6 | 63861.8 | 0.0 | U/P |
| 13.792 | 1.9000 | 0.0000 | 90.133 | 2.66692 | 0.00000 | 187838.6 | 63941.8 | 0.0 | U/P |
| 13.800 | 1.8950 | 0.0000 | 90.133 | 2.66668 | 0.00000 | 187895.6 | 64021.8 | 0.0 | U/P |
| 13.808 | 1.8902 | 0.0000 | 90.132 | 2.66645 | 0.00000 | 187952.3 | 64101.8 | 0.0 | U/P |
| 13.817 | 1.8855 | 0.0000 | 90.132 | 2.66621 | 0.00000 | 188009.0 | 64181.8 | 0.0 | U/P |
| 13.825 | 1.8810 | 0.0000 | 90.131 | 2.66597 | 0.00000 | 188065.5 | 64261.8 | 0.0 | U/P |
| 13.833 | 1.8765 | 0.0000 | 90.131 | 2.66573 | 0.00000 | 188121.8 | 64341.7 | 0.0 | U/P |
| 13.842 | 1. 8721 | 0.0000 | 90.130 | 2.66548 | 0.00000 | 188178.1 | 64421.7 | 0.0 | U/P |
| 13.850 | 1.8678 | 0.0000 | 90.130 | 2.66524 | 0.00000 | 188234.2 | 64501.7 | 0.0 | U/P |
| 13.858 | 1.8636 | 0.0000 | 90.129 | 2.66500 | 0.00000 | 188290.1 | 64581.6 | 0.0 | U/P |
| 13.867 | 1.8595 | 0.0000 | 90.129 | 2.66475 | 0.00000 | 188346.0 | 64661.6 | 0.0 | U/P |
| 13.875 | 1.8555 | 0.0000 | 90.128 | 2.66450 | 0.00000 | 188401.7 | 64741.5 | 0.0 | U/P |
| 13.883 | 1.8516 | 0.0000 | 90.128 | 2.66425 | 0.00000 | 188457.3 | 64821.4 | 0.0 | U/P |
| 13.892 | 1.5904 | 0.0000 | 90.127 | 2.66399 | 0.00000 | 188509.0 | 64901.4 | 0.0 | U/P |
| 13.900 | 1.3577 | 0.0000 | 90.126 | 2.66366 | 0.00000 | 188553.2 | 64981.3 | 0.0 | U/P |
| 13.908 | 1.1513 | 0.0000 | 90.125 | 2.66326 | 0.00000 | 188590.8 | 65061.2 | 0.0 | U/P |
| 13.917 | 0.9802 | 0.0000 | 90.124 | 2.66280 | 0.00000 | 188622.8 | 65141.1 | 0.0 | U/P |
| 13.925 | 0.8554 | 0.0000 | 90.123 | 2.66228 | 0.00000 | 188650.3 | 65220.9 | 0.0 | U/P |
| 13.933 | 0.8022 | 0.0000 | 90.122 | 2.66173 | 0.00000 | 188675.2 | 65300.8 | 0.0 | U/P |
| 13.942 | 0.8017 | 0.0000 | 90.121 | 2.66116 | 0.00000 | \$88699.2 | 65380.6 | 0.0 | U/P |
| 13.950 | 0.8017 | 0.0000 | 90.119 | 2.66059 | 0.00000 | 188723.3 | 65460.5 | 0.0 | U/P |
| 13.958 | 0.8017 | 0.0000 | 90.118 | 2.66002 | 0.00000 | 188747.3 | 65540.3 | 0.0 | U/P |
| 13.967 | 0.8017 | 0.0000 | 90.117 | 2.65945 | 0.00000 | 188771.4 | 65620.1 | 0.0 | U/P |
| 13.975 | 0.8017 | 0.0000 | 90.116 | 2.65888 | 0.00000 | 188795.4 | 65699.8 | 0.0 | U/P |
| 13.983 | 0.8017 | 0.0000 | 90.115 | 2.65831 | 0.00000 | 188819.5 | 65779.6 | 0.0 | U/P |
| 13.992 | 0.8017 | 0.0000 | 90.113 | 2.65773 | 0.00000 | 188843.5 | 65859.3 | 0.0 | U/P |
| 14.000 | 0.8011 | 0.0000 | 90.112 | 2.65716 | 0.00000 | 188867.6 | 65939.1 | 0.0 | U/P |
| 14.008 | 0.7993 | 0.0000 | 90.111 | 2.65659 | 0.00000 | 188891.6 | 66018.8 | 0.0 | U/P |
| 14.017 | 0.7959 | 0.0000 | 90.110 | 2.65602 | 0.00000 | 188915.5 | 66098.5 | 0.0 | U/P |
| 14.025 | 0.7907 | 0.0000 | 90.109 | 2.65544 | 0.00000 | 188939.3 | 66178.1 | 0.0 | U/P |
| 14.033 | 0.7830 | 0.0000 | 90.107 | 2.65487 | 0.00000 | 188962.9 | 66257.8 | 0.0 | U/P |
| 14.042 | 0.7723 | 0.0000 | 90.106 | 2.65429 | 0.00000 | 188986.3 | 66337.4 | 0.0 | U/P |
| 14.050 | 0.7580 | 0.0000 | 90.105 | 2.65371 | 0.00000 | 189009.2 | 66417.1 | 0.0 | U/P |
| 14.058 | 0.7398 | 0.0000 | 90.104 | 2.65313 | 0.00000 | 189031.7 | 66496.7 | 0.0 | U/P |
| 14.067 | 0.7182 | 0.0000 | 90.102 | 2.65254 | 0.00000 | \$89053.5 | 66576.2 | 0.0 | U/P |
| 14.075 | 0.6939 | 0.0000 | 90.101 | 2.65194 | 0.00000 | 189074.7 | 66655.8 | 0.0 | U/P |
| 14.083 | 0.6677 | 0.0000 | 90.100 | 2.65133 | 0.00000 | 189095.1 | 66735.4 | 0.0 | U/P |
| 14.092 | 0.6402 | 0.0000 | 90.098 | 2.65072 | 0.00000 | 189114.8 | 66814.9 | 0.0 | U/P |
| 14.100 | 0.6124 | 0.0000 | 90.097 | 2.65010 | 0.00000 | 189133.5 | 66894.4 | 0.0 | U/P |
| 14.108 | 0.5847 | 0.0000 | 90.096 | 2.64947 | 0.00000 | 189151.5 | 66973.9 | 0.0 | U/P |
| 14.117 | 0.5575 | 0.0000 | 90.094 | 2.64883 | 0.00000 | 189168.6 | 67053.4 | 0.0 | U/P |
| 14.125 | 0.5315 | 0.0000 | 90.093 | 2.64819 | 0.00000 | 189185.0 | 67132.8 | 0.0 | U/P |
| 14.133 | 0.5070 | 0.0000 | 90.092 | 2.64753 | 0.00000 | 189200.5 | 67212.3 | 0.0 | U/P |
| 14.142 | 0.4841 | 0.0000 | 90.090 | 2.64687 | 0.00000 | 189215.4 | 67291.7 | 0.0 | U/P |
| 14.150 | 0.4630 | 0.0000 | 90.089 | 2.64620 | 0.00000 | 189229.6 | 67371.1 | 0.0 | U/P |
| 14.158 | 0.4440 | 0.0000 | 90.087 | 2.64553 | 0.00000 | 189243.2 | 67450.4 | 0.0 | U/P |
| 14.167 | 0.4275 | 0.0000 | 90.086 | 2.64485 | 0.00000 | 189256.3 | 67529.8 | 0.0 | U/P |
| 14.175 | 0.4132 | 0.0000 | 90.084 | 2.64416 | 0.00000 | 189268.9 | 67609.1 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Interim Pond $11100 \mathrm{Yr} / 24 \mathrm{Hr}$ w/ overflow from pond 10

| Elapsed Time (hours) | Enflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate (fishs) | Overfiow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{H}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 14.183 | 0.4008 | 0.0000 | 90.083 | 2.64347 | 0.00000 | 189281.1 | 67688.5 | 0.0 | U/P |
| 14.192 | 0.3898 | 0.0000 | 90.082 | 2.64278 | 0.00000 | 189293.0 | 67767.7 | 0.0 | U/P |
| 14.200 | 0.3802 | 0.0000 | 90.080 | 2.64208 | 0.00000 | 189304.5 | 67847.0 | 0.0 | U/P |
| 14.208 | 0.3716 | 0.0000 | 90.079 | 2.64138 | 0.00000 | 189315.8 | 67926.3 | 0.0 | U/P |
| 14.217 | 0.3641 | 0.0000 | 90.077 | 2.64067 | 0.00000 | 189326.8 | 68005.5 | 0.0 | U/P |
| 14.225 | 0.3573 | 0.0000 | 90.076 | 2.63997 | 0.00000 | 189337.7 | 68084.7 | 0.0 | U/P |
| 14.233 | 0.3512 | 0.0000 | 90.074 | 2.63926 | 0.00000 | 189348.3 | 68163.9 | 0.0 | U/P |
| 14.242 | 0.3458 | 0.0000 | 90.073 | 2.63855 | 0.00000 | 189358.8 | 68243.1 | 0.0 | U/P |
| 14.250 | 0.3411 | 0.0000 | 90.071 | 2.63784 | 0.00000 | 189369.0 | 68322.2 | 0.0 | U/P |
| 14.258 | 0.3370 | 0.0000 | 90.070 | 2.63713 | 0.00000 | 189379.2 | 68401.3 | 0.0 | U/P |
| 14.267 | 0.3333 | 0.0000 | 90.068 | 2.63641 | 0.00000 | 189389.3 | 68480.4 | 0.0 | U/P |
| 14.275 | 0.3300 | 0.0000 | 90.067 | 2.63570 | 0.00000 | 189399.2 | 68559.5 | 0.0 | U/P |
| 14.283 | 0.3271 | 0.0000 | 90.065 | 2.63498 | 0.00000 | 189409.1 | 68638.6 | 0.0 | U/P |
| 14.292 | 0.3245 | 0.0000 | 90.063 | 2.63427 | 0.00000 | 189418.9 | 68717.6 | 0.0 | U/P |
| 14.300 | 0.3223 | 0.0000 | 90.062 | 2.63355 | 0.00000 | 189428.6 | 68796.6 | 0.0 | U/P |
| 14.308 | 0.3203 | 0.0000 | 90.060 | 2.63283 | 0.00000 | 189438.2 | 68875.6 | 0.0 | U/P |
| 14.317 | 0.3185 | 0.0000 | 90.059 | 2.63211 | 0.00000 | 189447.8 | 68954.6 | 0.0 | U/P |
| 14.325 | 0.3170 | 0.0000 | 90.057 | 2.63139 | 0.00000 | 189457.3 | 69033.6 | 0.0 | U/P |
| 14.333 | 0.3156 | 0.0000 | 90.056 | 2.63067 | 0.00000 | 189466.8 | 69112.5 | 0.0 | U/P |
| 14.342 | 0.3143 | 0.0000 | 90.054 | 2.62995 | 0.00000 | 189476.3 | 69191.4 | 0.0 | U/P |
| 14.350 | 0.3133 | 0.0000 | 90.053 | 2.62923 | 0.00000 | 189485.7 | 69270.3 | 0.0 | U/P |
| 14.358 | 0.3123 | 0.0000 | 90.051 | 2.62851 | 0.00000 | 189495.0 | 69349.2 | 0.0 | U/P |
| 14.367 | 0.3114 | 0.0000 | 90.050 | 2.62779 | 0.00000 | 189504.4 | 69428.0 | 0.0 | U/P |
| 14.375 | 0.3107 | 0.0000 | 90.048 | 2.62707 | 0.00000 | 189513.7 | 69506.8 | 0.0 | U/P |
| 14.383 | 0.3100 | 0.0000 | 90.047 | 2.62635 | 0.00000 | 189523.0 | 69585.6 | 0.0 | U/P |
| 14.392 | 0.3094 | 0.0000 | 90.045 | 2.62562 | 0.00000 | 189532.3 | 69664.4 | 0.0 | U/P |
| 14.400 | 0.3089 | 0.0000 | 90.044 | 2.62490 | 0.00000 | 189541.6 | 69743.2 | 0.0 | U/P |
| 14.408 | 0.3084 | 0.0000 | 90.042 | 2.62418 | 0.00000 | 189550.9 | 69821.9 | 0.0 | U/P |
| 14.417 | 0.3080 | 0.0000 | 90.041 | 2.62346 | 0.00000 | 189560.1 | 69900.6 | 0.0 | U/P |
| 14.425 | 0.3077 | 0.0000 | 90.039 | 2.62273 | 0.00000 | 189569.4 | 69979.3 | 0.0 | U/P |
| 14.433 | 0.3074 | 0.0000 | 90.037 | 2.62201 | 0.00000 | 189578.6 | 70058.0 | 0.0 | U/P |
| 14.442 | 0.3071 | 0.0000 | 90.036 | 2.62129 | 0.00000 | 189587.8 | 70136.6 | 0.0 | U/P |
| 14.450 | 0.3068 | 0.0000 | 90.034 | 2.62057 | 0.00000 | 189597.0 | 70215.2 | 0.0 | U/P |
| 14.458 | 0.3066 | 0.0000 | 90.033 | 2.61984 | 0.00000 | 189606.2 | 70293.9 | 0.0 | U/P |
| 14.467 | 0.3063 | 0.0000 | 90.031 | 2.61912 | 0.00000 | 189615.4 | 70372.4 | 0.0 | U/P |
| 14.475 | 0.3062 | 0.0000 | 90.030 | 2.61840 | 0.00000 | 189624.6 | 70451.0 | 0.0 | U/P |
| 14.483 | 0.3060 | 0.0000 | 90.028 | 2.61768 | 0.00000 | 189633.8 | 70529.5 | 0.0 | U/P |
| 14.492 | 0.3058 | 0.0000 | 90.027 | 2.61695 | 0.00000 | 189642.9 | 70608.1 | 0.0 | U/P |
| 14.500 | 0.3057 | 0.0000 | 90.025 | 2.61623 | 0.00000 | 189652.1 | 70686.6 | 0.0 | U/P |
| 14.508 | 0.3056 | 0.0000 | 90.024 | 2.61551 | 0.00000 | 189661.3 | 70765.0 | 0.0 | U/P |
| 14.517 | 0.3055 | 0.0000 | 90.022 | 2.61478 | 0.00000 | 189670.5 | 70843.5 | 0.0 | U/P |
| 14.525 | 0.3055 | 0.0000 | 90.021 | 2.61406 | 0.00000 | 189679.6 | 70921.9 | 0.0 | U/P |
| 14.533 | 0.3055 | 0.0000 | 90.019 | 2.61334 | 0.00000 | 189688.8 | 71000.3 | 0.0 | U/P |
| 14.542 | 0.3054 | 0.0000 | 90.018 | 2.61262 | 0.00000 | 189698.0 | 71078.7 | 0.0 | U/P |
| 14.550 | 0.3054 | 0.0000 | 90.016 | 2.61189 | 0.00000 | 189707.1 | 71157.1 | 0.0 | U/P |
| 14.558 | 0.3054 | 0.0000 | 90.014 | 2.61117 | 0.00000 | 189716.3 | 71235.4 | 0.0 | U/P |
| 14.567 | 0.3054 | 0.0000 | 90.013 | 2.61045 | 0.00000 | 189725.4 | 71313.8 | 0.0 | U/P |
| 14.575 | 0.3054 | 0.0000 | 90.011 | 2.60972 | 0.00000 | 189734.6 | 71392.1 | 0.0 | U/P |
| 14.583 | 0.3054 | 0.0000 | 90.010 | 2.60900 | 0.00000 | 189743.8 | 71470.3 | 0.0 | U/P |
| 14.592 | 0.3054 | 0.0000 | 90.008 | 2.60828 | 0.00000 | 189752.9 | 71548.6 | 0.0 | U/P |
| 14.600 | 0.3054 | 0.0000 | 90.007 | 2.60756 | 0.00000 | 189762.1 | 71626.8 | 0.0 | U/P |
| 14.608 | 0.3054 | 0.0000 | 90.005 | 2.60683 | 0.00000 | 189771.3 | 71705.1 | 0.0 | U/P |
| 14.617 | 0.3054 | 0.0000 | 90.004 | 2.60611 | 0.00000 | 189780.4 | 71783.3 | 0.0 | U/P |
| 14.625 | 0.3054 | 0.0000 | 90.002 | 2.60539 | 0.00000 | 189789.6 | 71861.4 | 0.0 | U/P |
| 14.633 | 0.3054 | 0.0000 | 90.001 | 2.60467 | 0.00000 | 189798.7 | 71939.6 | 0.0 | U/P |
| 14.642 | 0.3054 | 0.0000 | 89.999 | 2.60395 | 0.00000 | 189807.9 | 72017.7 | 0.0 | U/P |
| 14.650 | 0.3054 | 0.0000 | 89.998 | 2.60325 | 0.00000 | 189817.1 | 72095.8 | 0.0 | U/P |
| 14.658 | 0.3054 | 0.0000 | 89.996 | 2.60256 | 0.00000 | 189826.2 | 72173.9 | 0.0 | U/P |
| 14.667 | 0.3054 | 0.0000 | 89.995 | 2.60187 | 0.00000 | 189835.4 | 72252.0 | 0.0 | U/P |
| 14.675 | 0.3054 | 0.0000 | 89.993 | 2.60118 | 0.00000 | 189844.5 | 72330.0 | 0.0 | U/P |
| 14.683 | 0.3054 | 0.0000 | 89.991 | 2.60049 | 0.00000 | 189853.7 | 72408.0 | 0.0 | U/P |
| 14.692 | 0.3054 | 0.0000 | 89.990 | 2.59980 | 0.00000 | 189862.9 | 72486.0 | 0.0 | U/P |
| 14.700 | 0.3054 | 0.0000 | 89.988 | 2.59910 | 0.00000 | 189872.0 | 72564.0 | 0.0 | U/P |
| 14.708 | 0.3054 | 0.0000 | 89.987 | 2.59841 | 0.00000 | 189881.2 | 72642.0 | 0.0 | U/P |
| 14.717 | 0.3054 | 0.0000 | 89.985 | 2.59772 | 0.00000 | 189890.4 | 72719.9 | 0.0 | U/P |
| 14.725 | 0.3054 | 0.0000 | 89.984 | 2.59703 | 0.00000 | 189899.5 | 72797.8 | 0.0 | U/P |
| 14.733 | 0.3054 | 0.0000 | 89.982 | 2.59634 | 0.00000 | 189908.7 | 72875.8 | 0.0 | U/P |
| 14.742 | 0.3054 | 0.0000 | 89.981 | 2.59565 | 0.00000 | 189917.8 | 72953.6 | 0.0 | U/P |
| 14.750 | 0.3054 | 0.0000 | 89.979 | 2.59496 | 0.00000 | 189927.0 | 73031.5 | 0.0 | U/P |
| 14.758 | 0.3054 | 0.0000 | 89.978 | 2.59427 | 0.00000 | 189936.2 | 73109.3 | 0.0 | U/P |
| 14.767 | 0.3054 | 0.0000 | 89.976 | 2.59357 | 0.00000 | 189945.3 | 73187.1 | 0.0 | U/P |
| 14.775 | 0.3054 | 0.0000 | 89.975 | 2.59288 | 0.00000 | 189954.5 | 73264.9 | 0.0 | U/P |
| 14.783 | 0.3054 | 0.0000 | 89.973 | 2.59219 | 0.00000 | 189963.7 | 73342.7 | 0.0 | U/P |
| 14.792 | 0.3054 | 0.0000 | 89.972 | 2.59150 | 0.00000 | 189972.8 | 73420.5 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Interim Pond $11100 \mathrm{Yr} / 24 \mathrm{Hr}$ w/ overflow from pond 10

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 /} / \mathrm{s}$ ) | Qutside Recharge (ft/day) | Stage Elevation (fl datum) | Infiltration Rate (fis/s) | Overlow Discharge ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 14.800 | 0.3054 | 0.0000 | 89.970 | 2.59081 | 0.00000 | 189982.0 | 73498.2 | 0.0 | U/P |
| 14.808 | 0.3054 | 0.0000 | 89.968 | 2.59012 | 0.00000 | 189991.1 | 73575.9 | 0.0 | U/P |
| 14.817 | 0.3054 | 0.0000 | 89.967 | 2.58943 | 0.00000 | 190000.3 | 73653.6 | 0.0 | U/P |
| 14.825 | 0.3054 | 0.0000 | 89.965 | 2.58874 | 0.00000 | 190009.5 | 73731.3 | 0.0 | U/P |
| 14.833 | 0.3054 | 0.0000 | 89.964 | 2.58805 | 0.00000 | 190018.6 | 73808.9 | 0.0 | U/P |
| 14.842 | 0.3054 | 0.0000 | 89.962 | 2.58735 | 0.00000 | 190027.8 | 73886.6 | 0.0 | U/P |
| 14.850 | 0.3054 | 0.0000 | 89.961 | 2.58666 | 0.00000 | 190037.0 | 73964.2 | 0.0 | U/P |
| 14.858 | 0.3054 | 0.0000 | 89.959 | 2.58597 | 0.00000 | 190046.1 | 74041.8 | 0.0 | U/P |
| 14.867 | 0.3054 | 0.0000 | 89.958 | 2.58528 | 0.00000 | 190055.3 | 74119.3 | 0.0 | U/P |
| 14.875 | 0.3054 | 0.0000 | 89.956 | 2.58459 | 0.00000 | 190064.4 | 74196.9 | 0.0 | U/P |
| 14.883 | 0.3054 | 0.0000 | 89.955 | 2.58390 | 0.00000 | 190073.6 | 74274.4 | 0.0 | U/P |
| 14.892 | 0.3054 | 0.0000 | 89.953 | 2.58321 | 0.00000 | 190082.8 | 74351.9 | 0.0 | U/P |
| 14.900 | 0.3054 | 0.0000 | 89.952 | 2.58252 | 0.00000 | 190091.9 | 74429.4 | 0.0 | U/P |
| 14.908 | 0.3054 | 0.0000 | 89.950 | 2.58183 | 0.00000 | 190101.1 | 74506.9 | 0.0 | U/P |
| 14.917 | 0.3054 | 0.0000 | 89.949 | 2.58114 | 0.00000 | 190110.2 | 74584.3 | 0.0 | U/P |
| 14.925 | 0.3054 | 0.0000 | 89.947 | 2.58045 | 0.00000 | 190119.4 | 74661.7 | 0.0 | U/P |
| 14.933 | 0.3054 | 0.0000 | 89.946 | 2.57975 | 0.00000 | 190128.6 | 74739.1 | 0.0 | U/P |
| 14.942 | 0.3054 | 0.0000 | 89.944 | 2.57906 | 0.00000 | 190137.7 | 74816.5 | 0.0 | U/P |
| 14.950 | 0.3054 | 0.0000 | 89.942 | 2.57837 | 0.00000 | 190146.9 | 74893.9 | 0.0 | U/P |
| 14.958 | 0.3054 | 0.0000 | 89.941 | 2.57768 | 0.00000 | 190156.0 | 74971.2 | 0.0 | U/P |
| 14.967 | 0.3054 | 0.0000 | 89.939 | 2.57699 | 0.00000 | 190165.2 | 75048.6 | 0.0 | U/P |
| 14.975 | 0.3054 | 0.0000 | 89.938 | 2.57630 | 0.00000 | 190174.4 | 75125.8 | 0.0 | U/P |
| 14.983 | 0.3054 | 0.0000 | 89.936 | 2.57561 | 0.00000 | 190183.5 | 75203.1 | 0.0 | U/P |
| 14.992 | 0.3054 | 0.0000 | 89.935 | 2.57492 | 0.00000 | 190192.7 | 75280.4 | 0.0 | U/P |
| 15.000 | 0.3054 | 0.0000 | 89.933 | 2.57423 | 0.00000 | 190201.9 | 75357.6 | 0.0 | U/P |
| 15.008 | 0.3054 | 0.0000 | 89.932 | 2.57354 | 0.00000 | 190211.0 | 75434.8 | 0.0 | U/P |
| 15.017 | 0.3054 | 0.0000 | 89.930 | 2.57285 | 0.00000 | 190220.2 | 75512.0 | 0.0 | U/P |
| 15.025 | 0.3054 | 0.0000 | 89.929 | 2.57216 | 0.00000 | 190229.3 | 75589.2 | 0.0 | U/P |
| 15.033 | 0.3054 | 0.0000 | 89.927 | 2.57147 | 0.00000 | 190238.5 | 75666.4 | 0.0 | U/P |
| 15.042 | 0.3054 | 0.0000 | 89.926 | 2.57078 | 0.00000 | 190247.7 | 75743.5 | 0.0 | U/P |
| 15.050 | 0.3054 | 0.0000 | 89.924 | 2.57009 | 0.00000 | 190256.8 | 75820.6 | 0.0 | U/P |
| 15.058 | 0.3054 | 0.0000 | 89.923 | 2.56940 | 0.00000 | 190266.0 | 75897.7 | 0.0 | U/P |
| 15.067 | 0.3054 | 0.0000 | 89.921 | 2.56871 | 0.00000 | 190275.2 | 75974.8 | 0.0 | U/P |
| 15.075 | 0.3054 | 0.0000 | 89.920 | 2.56802 | 0.00000 | 190284.3 | 76051.8 | 0.0 | U/P |
| 15.083 | 0.3054 | 0.0000 | 89.918 | 2.56733 | 0.00000 | 190293.5 | 76128.9 | 0.0 | U/P |
| 15.092 | 0.3054 | 0.0000 | 89.916 | 2.56664 | 0.00000 | 190302.6 | 76205.9 | 0.0 | U/P |
| 15.100 | 0.3054 | 0.0000 | 89.915 | 2.56594 | 0.00000 | 190311.8 | 76282.9 | 0.0 | U/P |
| 15.108 | 0.3054 | 0.0000 | 89.913 | 2.56525 | 0.00000 | 190321.0 | 76359.8 | 0.0 | U/P |
| 15.117 | 0.3054 | 0.0000 | 89.912 | 2.56456 | 0.00000 | 190330.1 | 76436.8 | 0.0 | U/P |
| 15.125 | 0.3054 | 0.0000 | 89.910 | 2.56387 | 0.00000 | 190339.3 | 76513.7 | 0.0 | U/P |
| 15.133 | 0.3054 | 0.0000 | 89.909 | 2.56318 | 0.00000 | 190348.5 | 76590.6 | 0.0 | U/P |
| 15.142 | 0.3054 | 0.0000 | 89.907 | 2.56249 | 0.00000 | 190357.6 | 76667.5 | 0.0 | U/P |
| 15.150 | 0.3054 | 0.0000 | 89.906 | 2.56180 | 0.00000 | 190366.8 | 76744.3 | 0.0 | U/P |
| 15.158 | 0.3054 | 0.0000 | 89.904 | 2.56111 | 0.00000 | 190375.9 | 76821.2 | 0.0 | U/P |
| 15.167 | 0.3054 | 0.0000 | 89.903 | 2.56042 | 0.00000 | 190385.1 | 76898.0 | 0.0 | U/P |
| 15.175 | 0.3054 | 0.0000 | 89.901 | 2.55973 | 0.00000 | 190394.3 | 76974.8 | 0.0 | U/P |
| 15.183 | 0.3054 | 0.0000 | 89.900 | 2.55904 | 0.00000 | 190403.4 | 77051.6 | 0.0 | U/P |
| 15.192 | 0.3054 | 0.0000 | 89.898 | 2.55835 | 0.00000 | 190412.6 | 77128.4 | 0.0 | U/P |
| 15.200 | 0.3054 | 0.0000 | 89.897 | 2.55766 | 0.00000 | 190421.8 | 77205.1 | 0.0 | U/P |
| 15.208 | 0.3054 | 0.0000 | 89.895 | 2.55697 | 0.00000 | 190430.9 | 77281.8 | 0.0 | U/P |
| 15.217 | 0.3054 | 0.0000 | 89.894 | 2.55628 | 0.00000 | 190440.1 | 77358.5 | 0.0 | U/P |
| 15.225 | 0.3054 | 0.0000 | 89.892 | 2.55559 | 0.00000 | 190449.3 | 77435.2 | 0.0 | U/P |
| 15.233 | 0.3054 | 0.0000 | 89.890 | 2.55490 | 0.00000 | 190458.4 | 77511.9 | 0.0 | U/P |
| 15.242 | 0.3054 | 0.0000 | 89.889 | 2.55421 | 0.00000 | 190467.6 | 77588.5 | 0.0 | U/P |
| 15.250 | 0.3054 | 0.0000 | 89.887 | 2.55352 | 0.00000 | 190476.7 | 77665.1 | 0.0 | U/P |
| 15.258 | 0.3054 | 0.0000 | 89.886 | 2.55284 | 0.00000 | 190485.9 | 77741.7 | 0.0 | U/P |
| 15.267 | 0.3054 | 0.0000 | 89.884 | 2.55215 | 0.00000 | 190495.1 | 77818.3 | 0.0 | U/P |
| 15.275 | 0.3054 | 0.0000 | 89.883 | 2.55146 | 0.00000 | 190504.2 | 77894.8 | 0.0 | U/P |
| 15.283 | 0.3054 | 0.0000 | 89.881 | 2.55077 | 0.00000 | 190513.4 | 77971.4 | 0.0 | U/P |
| 15.292 | 0.3054 | 0.0000 | 89.880 | 2.55008 | 0.00000 | 190522.5 | 78047.9 | 0.0 | U/P |
| 15.300 | 0.3054 | 0.0000 | 89.878 | 2.54939 | 0.00000 | 190531.7 | 78124.4 | 0.0 | U/P |
| 15.308 | 0.3054 | 0.0000 | 89.877 | 2.54870 | 0.00000 | 190540.9 | 78200.8 | 0.0 | U/P |
| 15.317 | 0.3054 | 0.0000 | 89.875 | 2.54801 | 0.00000 | 190550.0 | 78277.3 | 0.0 | U/P |
| 15.325 | 0.3054 | 0.0000 | 89.874 | 2.54732 | 0.00000 | 190559.2 | 78353.7 | 0.0 | U/P |
| 15.333 | 0.3054 | 0.0000 | 89.872 | 2.54663 | 0.00000 | 190568.4 | 78430.1 | 0.0 | U/P |
| 15.342 | 0.3054 | 0.0000 | 89.871 | 2.54594 | 0.00000 | 190577.5 | 78506.5 | 0.0 | U/P |
| 15.350 | 0.3054 | 0.0000 | 89.869 | 2.54525 | 0.00000 | 190586.7 | 78582.9 | 0.0 | U/P |
| 15.358 | 0.3054 | 0.0000 | 89.868 | 2.54456 | 0.00000 | 190595.9 | 78659.2 | 0.0 | U/P |
| 15.367 | 0.3054 | 0.0000 | 89.866 | 2.54387 | 0.00000 | 190605.0 | 78735.6 | 0.0 | U/P |
| 15.375 | 0.3054 | 0.0000 | 89.864 | 2.54318 | 0.00000 | 190614.2 | 78811.9 | 0.0 | U/P |
| 15.383 | 0.3054 | 0.0000 | 89.863 | 2.54249 | 0.00000 | 190623.3 | 78888.2 | 0.0 | U/P |
| 15.392 | 0.3054 | 0.0000 | 89.861 | 2.54180 | 0.00000 | 190632.5 | 78964.4 | 0.0 | U/P |
| 45.400 | 0.3054 | 0.0000 | 89.860 | 2.54111 | 0.00000 | 190641.7 | 79040.7 | 0.0 | U/P |
| 15.408 | 0.3054 | 0.0000 | 89.858 | 2.54042 | 0.00000 | 190650.8 | 79116.9 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Interim Pond $11100 \mathrm{Yr} / 24 \mathrm{Hr}$ w/ overflow from pond 10

| Elapsed Time (hours) | Inflow Rate (ftiss) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infilkration Rate (f $\mathrm{f}^{3 / \mathrm{s}}$ ) | Overflow Discharge $\left(\mathrm{f}^{3} / \mathrm{s}\right)$ | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 15.417 | 0.3054 | 0.0000 | 89.857 | 2.53973 | 0.00000 | 190660.0 | 79193.1 | 0.0 | U/P |
| 15.425 | 0.3054 | 0.0000 | 89.855 | 2.53905 | 0.00000 | 190669.2 | 79269.3 | 0.0 | U/P |
| 15.433 | 0.3054 | 0.0000 | 89.854 | 2.53836 | 0.00000 | 190678.3 | 79345.4 | 0.0 | U/P |
| 15.442 | 0.3054 | 0.0000 | 89.852 | 2.53767 | 0.00000 | 190687.5 | 79421.6 | 0.0 | U/P |
| 15.450 | 0.3054 | 0.0000 | 89.851 | 2.53698 | 0.00000 | 190696.7 | 79497.7 | 0.0 | U/P |
| 15.458 | 0.3054 | 0.0000 | 89.849 | 2.53629 | 0.00000 | 190705.8 | 79573.8 | 0.0 | U/P |
| 15.467 | 0.3054 | 0.0000 | 89.848 | 2.53560 | 0.00000 | 190715.0 | 79649.9 | 0.0 | U/P |
| 15.475 | 0.3054 | 0.0000 | 89.846 | 2.53491 | 0.00000 | 190724.1 | 79725.9 | 0.0 | U/P |
| 15.483 | 0.3054 | 0.0000 | 89.845 | 2.53422 | 0.00000 | 190733.3 | 79802.0 | 0.0 | U/P |
| 15.492 | 0.3054 | 0.0000 | 89.843 | 2.53353 | 0.00000 | 190742.5 | 79878.0 | 0.0 | U/P |
| 15.500 | 0.3054 | 0.0000 | 89.842 | 2.53284 | 0.00000 | 190751.6 | 79954.0 | 0.0 | U/P |
| 15.508 | 0.3054 | 0.0000 | 89.840 | 2.53215 | 0.00000 | \$90760.8 | 80030.0 | 0.0 | U/P |
| 15.517 | 0.3053 | 0.0000 | 89.839 | 2.53147 | 0.00000 | 190770.0 | 80105.9 | 0.0 | U/P |
| 15.525 | 0.3050 | 0.0000 | 89.837 | 2.53078 | 0.00000 | 190779.1 | 80181.8 | 0.0 | U/P |
| 15.533 | 0.3046 | 0.0000 | 89.835 | 2.53009 | 0.00000 | 190788.3 | 80257.7 | 0.0 | U/P |
| 15.542 | 0.3039 | 0.0000 | 89.834 | 2.52940 | 0.00000 | 190797.4 | 80333.6 | 0.0 | U/P |
| 15.550 | 0.3029 | 0.0000 | 89.832 | 2.52871 | 0.00000 | 190806.5 | 80409.5 | 0.0 | U/P |
| 15.558 | 0.3016 | 0.0000 | 89.831 | 2.52802 | 0.00000 | 190815.5 | 80485.4 | 0.0 | U/P |
| 15.567 | 0.2999 | 0.0000 | 89.829 | 2.52733 | 0.00000 | 190824.6 | 80561.2 | 0.0 | U/P |
| 15.575 | 0.2979 | 0.0000 | 89.828 | 2.52664 | 0.00000 | 190833.5 | 80637.0 | 0.0 | U/P |
| 15.583 | 0.2955 | 0.0000 | 89.826 | 2.52595 | 0.00000 | 190842.4 | 80712.8 | 0.0 | U/P |
| 15.592 | 0.2929 | 0.0000 | 89.825 | 2.52526 | 0.00000 | 190851.3 | 80788.6 | 0.0 | U/P |
| 15.600 | 0.2901 | 0.0000 | 89.823 | 2.52456 | 0.00000 | 190860.0 | 80864.3 | 0.0 | U/P |
| 15.608 | 0.2873 | 0.0000 | 89.822 | 2.52387 | 0.00000 | 190868.7 | 80940.0 | 0.0 | U/P |
| 15.617 | 0.2844 | 0.0000 | 89.820 | 2.52318 | 0.00000 | 190877.3 | 81015.7 | 0.0 | U/P |
| 15.625 | 0.2816 | 0.0000 | 89.819 | 2.52248 | 0.00000 | 190885.7 | 81091.4 | 0.0 | U/P |
| 15.633 | 0.2789 | 0.0000 | 89.817 | 2.52178 | 0.00000 | 190894.1 | 81167.1 | 0.0 | U/P |
| 15.642 | 0.2763 | 0.0000 | 89.815 | 2.52109 | 0.00000 | 190902.5 | 81242.7 | 0.0 | U/P |
| 15.650 | 0.2739 | 0.0000 | 89.814 | 2.52039 | 0.00000 | 190910.7 | 81318.4 | 0.0 | U/P |
| 15.658 | 0.2716 | 0.0000 | 89.812 | 2.51969 | 0.00000 | 190918.9 | 81394.0 | 0.0 | U/P |
| 15.667 | 0.2696 | 0.0000 | 89.811 | 2.51899 | 0.00000 | 190927.0 | 81469.5 | 0.0 | U/P |
| 15.675 | 0.2678 | 0.0000 | 89.809 | 2.51829 | 0.00000 | 190935.1 | 81545.1 | 0.0 | U/P |
| 15.683 | 0.2662 | 0.0000 | 89.808 | 2.51759 | 0.00000 | 190943.1 | 81620.6 | 0.0 | U/P |
| 15.692 | 0.2649 | 0.0000 | 89.806 | 2.51689 | 0.00000 | 190951.1 | 81696.2 | 0.0 | U/P |
| 15.700 | 0.2637 | 0.0000 | 89.805 | 2.51619 | 0.00000 | 190959.0 | 81771.6 | 0.0 | U/P |
| 15.708 | 0.2626 | 0.0000 | 89.803 | 2.51549 | 0.00000 | 190966.9 | 81847.1 | 0.0 | U/P |
| 15.717 | 0.2617 | 0.0000 | 89.802 | 2.51479 | 0.00000 | 190974.8 | 81922.6 | 0.0 | U/P |
| 15.725 | 0.2609 | 0.0000 | 89.800 | 2.51409 | 0.00000 | 190982.6 | 81998.0 | 0.0 | U/P |
| 15.733 | 0.2601 | 0.0000 | 89.798 | 2.51338 | 0.00000 | 190990.4 | 82073.4 | 0.0 | U/P |
| 15.742 | 0.2595 | 0.0000 | 89.797 | 2.51268 | 0.00000 | 190998.2 | 82148.8 | 0.0 | U/P |
| 15.750 | 0.2589 | 0.0000 | 89.795 | 2.51198 | 0.00000 | 191006.0 | 82224.2 | 0.0 | U/P |
| 15.758 | 0.2584 | 0.0000 | 89.794 | 2.51128 | 0.00000 | 191013.7 | 82299.5 | 0.0 | U/P |
| 15.767 | 0.2579 | 0.0000 | 89.792 | 2.51057 | 0.00000 | 191021.5 | 82374.9 | 0.0 | U/P |
| 15.775 | 0.2575 | 0.0000 | 89.791 | 2.50987 | 0.00000 | 191029.2 | 82450.2 | 0.0 | U/P |
| 15.783 | 0.2572 | 0.0000 | 89.789 | 2.50917 | 0.00000 | 191036.9 | 82525.5 | 0.0 | U/P |
| 15.792 | 0.2569 | 0.0000 | 89.788 | 2.50846 | 0.00000 | 191044.6 | 82600.7 | 0.0 | U/P |
| 15.800 | 0.2566 | 0.0000 | 89.786 | 2.50776 | 0.00000 | 191052.3 | 82676.0 | 0.0 | U/P |
| 15.808 | 0.2563 | 0.0000 | 89.784 | 2.50706 | 0.00000 | 191060.0 | 82751.2 | 0.0 | U/P |
| 15.817 | 0.2561 | 0.0000 | 89.783 | 2.50635 | 0.00000 | 191067.7 | 82826.4 | 0.0 | U/P |
| 15.825 | 0.2559 | 0.0000 | 89.781 | 2.50565 | 0.00000 | 191075.4 | 82901.6 | 0.0 | U/P |
| 15.833 | 0.2558 | 0.0000 | 89.780 | 2.50495 | 0.00000 | $\uparrow 91083.1$ | 82976.7 | 0.0 | U/P |
| 15.842 | 0.2556 | 0.0000 | 89.778 | 2.50424 | 0.00000 | 191090.8 | 83051.9 | 0.0 | U/P |
| 15.850 | 0.2555 | 0.0000 | 89.777 | 2.50354 | 0.00000 | 191098.4 | 83127.0 | 0.0 | U/P |
| 15.858 | 0.2554 | 0.0000 | 89.775 | 2.50284 | 0.00000 | 191106.1 | 83202.1 | 0.0 | U/P |
| 15.867 | 0.2553 | 0.0000 | 89.773 | 2.50213 | 0.00000 | 191113.7 | 83277.1 | 0.0 | U/P |
| 15.875 | 0.2552 | 0.0000 | 89.772 | 2.50143 | 0.00000 | 191121.4 | 83352.2 | 0.0 | U/P |
| 15.883 | 0.2551 | 0.0000 | 89.770 | 2.50073 | 0.00000 | 191129.0 | 83427.2 | 0.0 | U/P |
| 15.892 | 0.2550 | 0.0000 | 89.769 | 2.50002 | 0.00000 | 191136.7 | 83502.2 | 0.0 | U/P |
| 15.900 | 0.2549 | 0.0000 | 89.767 | 2.49932 | 0.00000 | 191144.3 | 83577.2 | 0.0 | U/P |
| 15.908 | 0.2549 | 0.0000 | 89.766 | 2.49862 | 0.00000 | 191152.0 | 83652.2 | 0.0 | U/P |
| 15.917 | 0.2548 | 0.0000 | 89.764 | 2.49791 | 0.00000 | 191159.6 | 83727.2 | 0.0 | U/P |
| 15.925 | 0.2548 | 0.0000 | 89.763 | 2.49721 | 0.00000 | 191167.3 | 83802.1 | 0.0 | U/P |
| 15.933 | 0.2548 | 0.0000 | 89.761 | 2.49651 | 0.00000 | 191174.9 | 83877.0 | 0.0 | U/P |
| 15.942 | 0.2547 | 0.0000 | 89.759 | 2.49580 | 0.00000 | 191182.6 | 83951.9 | 0.0 | U/P |
| 15.950 | 0.2547 | 0.0000 | 89.758 | 2.49510 | 0.00000 | 191190.2 | 84026.7 | 0.0 | U/P |
| 15.958 | 0.2547 | 0.0000 | 89.756 | 2.49439 | 0.00000 | 191197.9 | 84101.6 | 0.0 | U/P |
| 15.967 | 0.2546 | 0.0000 | 89.755 | 2.49369 | 0.00000 | 191205.5 | 84176.4 | 0.0 | U/P |
| 15.975 | 0.2546 | 0.0000 | 89.753 | 2.49299 | 0.00000 | 191213.1 | 84251.2 | 0.0 | U/P |
| 15.983 | 0.2546 | 0.0000 | 89.752 | 2.49228 | 0.00000 | 191220.8 | 84326.0 | 0.0 | U/P |
| 15.992 | 0.2546 | 0.0000 | 89.750 | 2.49158 | 0.00000 | 191228.4 | 84400.7 | 0.0 | U/P |
| 16.000 | 0.2546 | 0.0000 | 89.749 | 2.49088 | 0.00000 | 191236.0 | 84475.5 | 0.0 | U/P |
| 16.008 | 0.2545 | 0.0000 | 89.747 | 2.49017 | 0.00000 | 191243.7 | 84550.2 | 0.0 | U/P |
| 16.017 | 0.2545 | 0.0000 | 89.745 | 2.48947 | 0.00000 | 191251.3 | 84624.9 | 0.0 | U/P |
| 16.025 | 0.2543 | 0.0000 | 89.744 | 2.48877 | 0.00000 | 191259.0 | 84699.6 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Interim Pond $11100 \mathrm{Yr} / 24 \mathrm{Hr}$ w/ overflow from pond 10

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (fl datum) | infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{Fl}^{3}$ ) | Cumulative Infiltration Volume ( f1 $^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ff}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 16.033 | 0.2539 | 0.0000 | 89.742 | 2.48806 | 0.00000 | 191266.6 | 84774.2 | 0.0 | U/P |
| 16.042 | 0.2533 | 0.0000 | 89.741 | 2.48736 | 0.00000 | 191274.2 | 84848.8 | 0.0 | U/P |
| 16.050 | 0.2525 | 0.0000 | 89.739 | 2.48666 | 0.00000 | 191281.8 | 84923.4 | 0.0 | U/P |
| 16.058 | 0.2514 | 0.0000 | 89.738 | 2.48595 | 0.00000 | 191289.3 | 84998.0 | 0.0 | U/P |
| 16.067 | 0.2499 | 0.0000 | 89.736 | 2.48525 | 0.00000 | 191296.8 | 85072.6 | 0.0 | U/P |
| 16.075 | 0.2480 | 0.0000 | 89.734 | 2.48454 | 0.00000 | 191304.3 | 85147.2 | 0.0 | U/P |
| 16.083 | 0.2458 | 0.0000 | 89.733 | 2.48384 | 0.00000 | 191311.7 | 85221.7 | 0.0 | U/P |
| 16.092 | 0.2432 | 0.0000 | 89.731 | 2.48313 | 0.00000 | 191319.1 | 85296.2 | 0.0 | U/P |
| 16.100 | 0.2405 | 0.0000 | 89.730 | 2.48243 | 0.00000 | 191326.3 | 85370.7 | 0.0 | U/P |
| 16.108 | 0.2377 | 0.0000 | 89.728 | 2.48172 | 0.00000 | 191333.5 | 85445.1 | 0.0 | U/P |
| 16.117 | 0.2349 | 0.0000 | 89.727 | 2.48101 | 0.00000 | 191340.6 | 85519.6 | 0.0 | U/P |
| 16.125 | 0.2320 | 0.0000 | 89.725 | 2.48030 | 0.00000 | 191347.6 | 85594.0 | 0.0 | U/P |
| 16.133 | 0.2292 | 0.0000 | 89.724 | 2.47959 | 0.00000 | 191354.5 | 85668.4 | 0.0 | U/P |
| 16.142 | 0.2266 | 0.0000 | 89.722 | 2.47888 | 0.00000 | 191361.3 | 85742.8 | 0.0 | U/P |
| 16.150 | 0.2241 | 0.0000 | 89.720 | 2.47817 | 0.00000 | 191368.1 | 85817.1 | 0.0 | U/P |
| 16.158 | 0.2217 | 0.0000 | 89.719 | 2.47745 | 0.00000 | 191374.8 | 85891.5 | 0.0 | U/P |
| 16.167 | 0.2196 | 0.0000 | 89.717 | 2.47674 | 0.00000 | 191381.4 | 85965.8 | 0.0 | U/P |
| 16.175 | 0.2177 | 0.0000 | 89.716 | 2.47603 | 0.00000 | 191388.0 | 86040.1 | 0.0 | U/P |
| 16.183 | 0.2160 | 0.0000 | 89.714 | 2.47531 | 0.00000 | 191394.5 | 86114.3 | 0.0 | U/P |
| 16.192 | 0.2145 | 0.0000 | 89.712 | 2.47460 | 0.00000 | 191400.9 | 86188.6 | 0.0 | U/P |
| 16.200 | 0.2133 | 0.0000 | 89.711 | 2.47388 | 0.00000 | 191407.3 | 86262.8 | 0.0 | U/P |
| 16.208 | 0.2122 | 0.0000 | 89.709 | 2.47317 | 0.00000 | 191413.7 | 86337.0 | 0.0 | U/P |
| 16.217 | 0.2112 | 0.0000 | 89.708 | 2.47245 | 0.00000 | 191420.1 | 86411.2 | 0.0 | U/P |
| 16.225 | 0.2103 | 0.0000 | 89.706 | 2.47173 | 0.00000 | 191426.4 | 86485.4 | 0.0 | U/P |
| 16.233 | 0.2095 | 0.0000 | 89.705 | 2.47102 | 0.00000 | 191432.7 | 86559.5 | 0.0 | U/P |
| 16.242 | 0.2088 | 0.0000 | 89.703 | 2.47030 | 0.00000 | 191439.0 | 86633.6 | 0.0 | U/P |
| 16.250 | 0.2082 | 0.0000 | 89.701 | 2.46958 | 0.00000 | 191445.2 | 86707.7 | 0.0 | U/P |
| 16.258 | 0.2077 | 0.0000 | 89.700 | 2.46887 | 0.00000 | 191451.5 | 86781.8 | 0.0 | U/P |
| 16.267 | 0.2072 | 0.0000 | 89.698 | 2.46815 | 0.00000 | 191457.7 | 86855.8 | 0.0 | U/P |
| 16.275 | 0.2068 | 0.0000 | 89.697 | 2.46743 | 0.00000 | 191463.9 | 86929.9 | 0.0 | U/P |
| 16.283 | 0.2064 | 0.0000 | 89.695 | 2.46671 | 0.00000 | 191470.1 | 87003.9 | 0.0 | U/P |
| 16.292 | 0.2061 | 0.0000 | 89.693 | 2.46599 | 0.00000 | 191476.3 | 87077.9 | 0.0 | U/P |
| 16.300 | 0.2058 | 0.0000 | 89.692 | 2.46528 | 0.00000 | 191482.5 | 87151.8 | 0.0 | U/P |
| 16.308 | 0.2055 | 0.0000 | 89.690 | 2.46456 | 0.00000 | 191488.6 | 87225.8 | 0.0 | U/P |
| 16.317 | 0.2053 | 0.0000 | 89.689 | 2.46384 | 0.00000 | 191494.8 | 87299.7 | 0.0 | U/P |
| 16.325 | 0.2051 | 0.0000 | 89.687 | 2.46312 | 0.00000 | 191500.9 | 87373.6 | 0.0 | U/P |
| 16.333 | 0.2049 | 0.0000 | 89.685 | 2.46240 | 0.00000 | 191507.1 | 87447.5 | 0.0 | U/P |
| 16.342 | 0.2047 | 0.0000 | 89.684 | 2.46169 | 0.00000 | 191513.2 | 87521.4 | 0.0 | U/P |
| 16.350 | 0.2046 | 0.0000 | 89.682 | 2.46097 | 0.00000 | 191519.4 | 87595.2 | 0.0 | U/P |
| 16.358 | 0.2045 | 0.0000 | 89.681 | 2.46025 | 0.00000 | 191525.5 | 87669.0 | 0.0 | U/P |
| 16.367 | 0.2044 | 0.0000 | 89.679 | 2.45953 | 0.00000 | 191531.6 | 87742.8 | 0.0 | U/P |
| 16.375 | 0.2043 | 0.0000 | 89.677 | 2.45881 | 0.00000 | 191537.8 | 87816.6 | 0.0 | U/P |
| 16.383 | 0.2042 | 0.0000 | 89.676 | 2.45809 | 0.00000 | 191543.9 | 87890.4 | 0.0 | U/P |
| 16.392 | 0.2041 | 0.0000 | 89.674 | 2.45738 | 0.00000 | 191550.0 | 87964.1 | 0.0 | U/P |
| 16.400 | 0.2040 | 0.0000 | 89.673 | 2.45666 | 0.00000 | 191556.2 | 88037.8 | 0.0 | U/P |
| 16.408 | 0.2040 | 0.0000 | 89.671 | 2.45594 | 0.00000 | 191562.3 | 88111.5 | 0.0 | U/P |
| 16.417 | 0.2039 | 0.0000 | 89.669 | 2.45522 | 0.00000 | 191568.4 | 88185.2 | 0.0 | U/P |
| 16.425 | 0.2039 | 0.0000 | 89.668 | 2.45450 | 0.00000 | 191574.5 | 88258.8 | 0.0 | U/P |
| 16.433 | 0.2038 | 0.0000 | 89.666 | 2.45378 | 0.00000 | 191580.6 | 88332.4 | 0.0 | U/P |
| 16.442 | 0.2038 | 0.0000 | 89.665 | 2.45306 | 0.00000 | 191586.7 | 88406.0 | 0.0 | U/P |
| 16.450 | 0.2038 | 0.0000 | 89.663 | 2.45235 | 0.00000 | 191592.8 | 88479.6 | 0.0 | U/P |
| 16.458 | 0.2037 | 0.0000 | 89.662 | 2.45163 | 0.00000 | 191599.0 | 88553.2 | 0.0 | U/P |
| 16.467 | 0.2037 | 0.0000 | 89.660 | 2.45091 | 0.00000 | 191605.1 | 88626.7 | 0.0 | U/P |
| \$6.475 | 0.2037 | 0.0000 | 89.658 | 2.45019 | 0.00000 | 191611.2 | 88700.2 | 0.0 | U/P |
| 16.483 | 0.2037 | 0.0000 | 89.657 | 2.44947 | 0.00000 | 191617.3 | 88773.7 | 0.0 | U/P |
| \$6.492 | 0.2036 | 0.0000 | 89.655 | 2.44875 | 0.00000 | 191623.4 | 88847.2 | 0.0 | U/P |
| 16.500 | 0.2036 | 0.0000 | 89.654 | 2.44804 | 0.00000 | 191629.5 | 88920.6 | 0.0 | U/P |
| 16.508 | 0.2036 | 0.0000 | 89.652 | 2.44732 | 0.00000 | 191635.6 | 88994.1 | 0.0 | U/P |
| 16.517 | 0.2037 | 0.0000 | 89.650 | 2.44660 | 0.00000 | 191641.7 | 89067.5 | 0.0 | U/P |
| 16.525 | 0.2038 | 0.0000 | 89.649 | 2.44588 | 0.00000 | 191647.8 | 89140.9 | 0.0 | U/P |
| 16.533 | 0.2041 | 0.0000 | 89.647 | 2.44516 | 0.00000 | 191654.0 | 89214.2 | 0.0 | U/P |
| 16.542 | 0.2047 | 0.0000 | 89.646 | 2.44445 | 0.00000 | 191660.1 | 89287.6 | 0.0 | U/P |
| 16.550 | 0.2056 | 0.0000 | 89.644 | 2.44373 | 0.00000 | 191666.3 | 89360.9 | 0.0 | U/P |
| 16.558 | 0.2068 | 0.0000 | 89.642 | 2.44301 | 0.00000 | 191672.4 | 89434.2 | 0.0 | U/P |
| 16.567 | 0.2084 | 0.0000 | 89.641 | 2.44229 | 0.00000 | 191678.7 | 89507.5 | 0.0 | U/P |
| 16.575 | 0.2106 | 0.0000 | 89.639 | 2.44158 | 0.00000 | 191685.0 | 89580.7 | 0.0 | U/P |
| 16.583 | 0.2132 | 0.0000 | 89.638 | 2.44086 | 0.00000 | 191691.3 | 89654.0 | 0.0 | U/P |
| 16.592 | 0.2161 | 0.0000 | 89.636 | 2.44015 | 0.00000 | 191697.8 | 89727.2 | 0.0 | U/P |
| 16.600 | 0.2194 | 0.0000 | 89.635 | 2.43943 | 0.00000 | 191704.3 | 89800.4 | 0.0 | U/P |
| 16.608 | 0.2229 | 0.0000 | 89.633 | 2.43872 | 0.00000 | 191710.9 | 89873.6 | 0.0 | U/P |
| 16.617 | 0.2264 | 0.0000 | 89.631 | 2.43801 | 0.00000 | 191717.7 | 89946.7 | 0.0 | U/P |
| 16.625 | 0.2300 | 0.0000 | 89.630 | 2.43730 | 0.00000 | 191724.5 | 90019.8 | 0.0 | U/P |
| 16.633 | 0.2335 | 0.0000 | 89.628 | 2.43659 | 0.00000 | 191731.5 | 90093.0 | 0.0 | U/P |
| 16.642 | 0.2369 | 0.0000 | 89.627 | 2.43588 | 0.00000 | 191738.5 | 90166.0 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Interim Pond $11100 \mathrm{Yr} / 24 \mathrm{Hr}$ w/ overflow from pond 10

| Elapsed Time (hours) | Inflow <br> Rate <br> (ft ${ }^{3} / \mathrm{s}$ ) | Outside Recharge (f/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge $\left(f^{3} / \mathrm{s}\right)$ | Cumulative infiow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | $\begin{aligned} & \text { Flow } \\ & \text { Type } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 16.650 | 0.2401 | 0.0000 | 89.625 | 2.43517 | 0.00000 | 191745.7 | 90239.1 | 0.0 | U/P |
| 16.658 | 0.2431 | 0.0000 | 89.624 | 2.43446 | 0.00000 | 191752.9 | 90312.1 | 0.0 | U/P |
| 16.667 | 0.2459 | 0.0000 | 89.622 | 2.43376 | 0.00000 | 191760.3 | 90385.2 | 0.0 | U/P |
| 16.675 | 0.2485 | 0.0000 | 89.620 | 2.43305 | 0.00000 | 191767.7 | 90458.2 | 0.0 | U/P |
| 16.683 | 0.2507 | 0.0000 | 89.619 | 2.43235 | 0.00000 | 191775.2 | 90531.2 | 0.0 | U/P |
| 16.692 | 0.2527 | 0.0000 | 89.617 | 2.43165 | 0.00000 | 191782.7 | 90604.1 | 0.0 | U/P |
| 16.700 | 0.2544 | 0.0000 | 89.616 | 2.43095 | 0.00000 | \$91790.3 | 90677.1 | 0.0 | U/P |
| 16.708 | 0.2559 | 0.0000 | 89.614 | 2.43024 | 0.00000 | 191798.0 | 90750.0 | 0.0 | U/P |
| 16.717 | 0.2572 | 0.0000 | 89.613 | 2.42954 | 0.00000 | 191805.7 | 90822.9 | 0.0 | U/P |
| 16.725 | 0.2583 | 0.0000 | 89.611 | 2.42884 | 0.00000 | 191813.4 | 90895.7 | 0.0 | U/P |
| 16.733 | 0.2593 | 0.0000 | 89.610 | 2.42814 | 0.00000 | 191821.2 | 90968.6 | 0.0 | U/P |
| 16.742 | 0.2602 | 0.0000 | 89.608 | 2.42744 | 0.00000 | 191829.0 | 91041.4 | 0.0 | U/P |
| 16.750 | 0.2611 | 0.0000 | 89.606 | 2.42674 | 0.00000 | 191836.8 | 91114.2 | 0.0 | U/P |
| 16.758 | 0.2618 | 0.0000 | 89.605 | 2.42604 | 0.00000 | 191844.6 | 91187.0 | 0.0 | U/P |
| 16.767 | 0.2624 | 0.0000 | 89.603 | 2.42535 | 0.00000 | 191852.5 | 91259.8 | 0.0 | U/P |
| 16.775 | 0.2630 | 0.0000 | 89.602 | 2.42465 | 0.00000 | 191860.4 | 91332.6 | 0.0 | U/P |
| 16.783 | 0.2635 | 0.0000 | 89.600 | 2.42395 | 0.00000 | 191868.3 | 91405.3 | 0.0 | U/P |
| 16.792 | 0.2639 | 0.0000 | 89.599 | 2.42325 | 0.00000 | 191876.2 | 91478.0 | 0.0 | U/P |
| 16.800 | 0.2643 | 0.0000 | 89.597 | 2.42255 | 0.00000 | 191884.1 | 91550.7 | 0.0 | U/P |
| 16.808 | 0.2647 | 0.0000 | 89.596 | 2.42185 | 0.00000 | 191892.0 | 91623.3 | 0.0 | U/P |
| 16.817 | 0.2650 | 0.0000 | 89.594 | 2.42116 | 0.00000 | 191900.0 | 91696.0 | 0.0 | U/P |
| 16.825 | 0.2652 | 0.0000 | 89.592 | 2.42046 | 0.00000 | 191907.9 | 91768.6 | 0.0 | U/P |
| 16.833 | 0.2655 | 0.0000 | 89.591 | 2.41976 | 0.00000 | 191915.9 | 91841.2 | 0.0 | U/P |
| 16.842 | 0.2657 | 0.0000 | 89.589 | 2.41906 | 0.00000 | 191923.8 | 91913.8 | 0.0 | U/P |
| 16.850 | 0.2659 | 0.0000 | 89.588 | 2.41837 | 0.00000 | 191931.8 | 91986.4 | 0.0 | U/P |
| 16.858 | 0.2660 | 0.0000 | 89.586 | 2.41767 | 0.00000 | 191939.8 | 92058.9 | 0.0 | U/P |
| 16.867 | 0.2662 | 0.0000 | 89.585 | 2.41697 | 0.00000 | 191947.8 | 92131.4 | 0.0 | U/P |
| 16.875 | 0.2663 | 0.0000 | 89.583 | 2.41627 | 0.00000 | 191955.8 | 92203.9 | 0.0 | U/P |
| 16.883 | 0.2664 | 0.0000 | 89.582 | 2.41558 | 0.00000 | 191963.8 | 92276.4 | 0.0 | U/P |
| 16.892 | 0.2665 | 0.0000 | 89.580 | 2.41488 | 0.00000 | 191971.8 | 92348.9 | 0.0 | U/P |
| 16.900 | 0.2666 | 0.0000 | 89.579 | 2.41418 | 0.00000 | 191979.8 | 92421.3 | 0.0 | U/P |
| 16.908 | 0.2667 | 0.0000 | 89.577 | 2.41349 | 0.00000 | 191987.8 | 92493.7 | 0.0 | U/P |
| 16.917 | 0.2668 | 0.0000 | 89.575 | 2.41279 | 0.00000 | 191995.8 | 92566.1 | 0.0 | U/P |
| 16.925 | 0.2668 | 0.0000 | 89.574 | 2.41209 | 0.00000 | 192003.8 | 92638.5 | 0.0 | U/P |
| 16.933 | 0.2669 | 0.0000 | 89.572 | 2.41140 | 0.00000 | 192011.8 | 92710.8 | 0.0 | U/P |
| 16.942 | 0.2669 | 0.0000 | 89.571 | 2.41070 | 0.00000 | 192019.8 | 92783.2 | 0.0 | U/P |
| 16.950 | 0.2670 | 0.0000 | 89.569 | 2.41000 | 0.00000 | 192027.8 | 92855.5 | 0.0 | U/P |
| 16.958 | 0.2670 | 0.0000 | 89.568 | 2.40931 | 0.00000 | 192035.8 | 92927.8 | 0.0 | U/P |
| 16.967 | 0.2671 | 0.0000 | 89.566 | 2.40861 | 0.00000 | 192043.8 | 93000.0 | 0.0 | U/P |
| 16.975 | 0.2671 | 0.0000 | 89.565 | 2.40791 | 0.00000 | 192051.8 | 93072.3 | 0.0 | U/P |
| 16.983 | 0.2671 | 0.0000 | 89.563 | 2.40722 | 0.00000 | 192059.8 | 93144.5 | 0.0 | U/P |
| 16.992 | 0.2671 | 0.0000 | 89.562 | 2.40652 | 0.00000 | 192067.8 | 93216.7 | 0.0 | U/P |
| 17.000 | 0.2672 | 0.0000 | 89.560 | 2.40582 | 0.00000 | 192075.9 | 93288.9 | 0.0 | U/P |
| 17.008 | 0.2674 | 0.0000 | 89.558 | 2.40513 | 0.00000 | 192083.9 | 93361.1 | 0.0 | U/P |
| 17.017 | 0.2676 | 0.0000 | 89.557 | 2.40443 | 0.00000 | 192091.9 | 93433.2 | 0.0 | U/P |
| 17.025 | 0.2687 | 0.0000 | 89.555 | 2.40373 | 0.00000 | 192099.9 | 93505.3 | 0.0 | U/P |
| 17.033 | 0.2687 | 0.0000 | 89.554 | 2.40304 | 0.00000 | 192108.0 | 93577.4 | 0.0 | U/P |
| 17.042 | 0.2695 | 0.0000 | 89.552 | 2.40234 | 0.00000 | 192116.1 | 93649.5 | 0.0 | U/P |
| 17.050 | 0.2706 | 0.0000 | 89.551 | 2.40165 | 0.00000 | 192124.2 | 93721.6 | 0.0 | U/P |
| 17.058 | 0.2720 | 0.0000 | 89.549 | 2.40095 | 0.00000 | 192132.3 | 93793.6 | 0.0 | U/P |
| 17.067 | 0.2737 | 0.0000 | 89.548 | 2.40026 | 0.00000 | 192140.5 | 93865.6 | 0.0 | U/P |
| 17.075 | 0.2755 | 0.0000 | 89.546 | 2.39956 | 0.00000 | 192148.7 | 93937.6 | 0.0 | U/P |
| 17.083 | 0.2776 | 0.0000 | 89.545 | 2.39887 | 0.00000 | 192157.0 | 94009.6 | 0.0 | U/P |
| 17.092 | 0.2797 | 0.0000 | 89.543 | 2.39818 | 0.00000 | 192165.4 | 94081.6 | 0.0 | U/P |
| 17.100 | 0.2818 | 0.0000 | 89.542 | 2.39748 | 0.00000 | 192173.8 | 94153.5 | 0.0 | U/P |
| 17.108 | 0.2839 | 0.0000 | 89.540 | 2.39679 | 0.00000 | 192182.3 | 94225.4 | 0.0 | U/P |
| 17.117 | 0.2860 | 0.0000 | 89.539 | 2.39610 | 0.00000 | 192190.8 | 94297.3 | 0.0 | U/P |
| 17.125 | 0.2880 | 0.0000 | 89.537 | 2.39541 | 0.00000 | 192199.5 | 94369.2 | 0.0 | U/P |
| 17.133 | 0.2899 | 0.0000 | 89.535 | 2.39472 | 0.00000 | 192208.1 | 94441.0 | 0.0 | U/P |
| 17.142 | 0.2917 | 0.0000 | 89.534 | 2.39403 | 0.00000 | 192216.8 | 94512.8 | 0.0 | U/P |
| 17.150 | 0.2933 | 0.0000 | 89.532 | 2.39335 | 0.00000 | 192225.6 | 94584.7 | 0.0 | U/P |
| 17.158 | 0.2948 | 0.0000 | 89.531 | 2.39266 | 0.00000 | 192234.4 | 94656.5 | 0.0 | U/P |
| 17.167 | 0.2961 | 0.0000 | 89.529 | 2.39197 | 0.00000 | 192243.3 | 94728.2 | 0.0 | U/P |
| 17.175 | 0.2972 | 0.0000 | 89.528 | 2.39128 | 0.00000 | 192252.2 | 94800.0 | 0.0 | U/P |
| 17.183 | 0.2981 | 0.0000 | 89.526 | 2.39060 | 0.00000 | 192261.1 | 94871.7 | 0.0 | U/P |
| 17.192 | 0.2989 | 0.0000 | 89.525 | 2.38991 | 0.00000 | 192270.1 | 94943.4 | 0.0 | U/P |
| 17.200 | 0.2997 | 0.0000 | 89.523 | 2.38923 | 0.00000 | 192279.1 | 95015.1 | 0.0 | U/P |
| 17.208 | 0.3004 | 0.0000 | 89.522 | 2.38854 | 0.00000 | 192288.1 | 95086.8 | 0.0 | U/P |
| 17.217 | 0.3009 | 0.0000 | 89.520 | 2.38786 | 0.00000 | 192297.1 | 95158.4 | 0.0 | U/P |
| 17.225 | 0.3015 | 0.0000 | 89.519 | 2.38717 | 0.00000 | 192306.1 | 95230.0 | 0.0 | U/P |
| 17.233 | 0.3019 | 0.0000 | 89.517 | 2.38649 | 0.00000 | 192315.2 | 95301.6 | 0.0 | U/P |
| 17.242 | 0.3023 | 0.0000 | 89.516 | 2.38580 | 0.00000 | 192324.2 | 95373.2 | 0.0 | U/P |
| 17.250 | 0.3027 | 0.0000 | 89.514 | 2.38512 | 0.00000 | 192333.3 | 95444.8 | 0.0 | U/P |
| 17.258 | 0.3030 | 0.0000 | 89.513 | 2.38443 | 0.00000 | 192342.4 | 95516.3 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Interim Pond 11100 Yr/24 Hr w/ overflow from pond 10

| Elapsed Time (hours) | inflow Rate (ft ${ }^{3} / \mathrm{s}$ ) | Outside Recharge (4/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f} 4 / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{H}^{3 / \mathrm{s}}$ ) | Cumułative Inflow Volume $\left\langle\mathrm{t}^{3}\right\rangle$ | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 17.267 | 0.3033 | 0.0000 | 89.511 | 2.38375 | 0.00000 | 192351.5 | 95587.8 | 0.0 | U/P |
| 17.275 | 0.3036 | 0.0000 | 89.510 | 2.38307 | 0.00000 | 192360.6 | 95659.3 | 0.0 | U/P |
| 17.283 | 0.3038 | 0.0000 | 89.508 | 2.38238 | 0.00000 | 192369.7 | 95730.8 | 0.0 | U/P |
| 17.292 | 0.3040 | 0.0000 | 89.507 | 2.38170 | 0.00000 | 192378.8 | 95802.3 | 0.0 | U/P |
| 17.300 | 0.3042 | 0.0000 | 89.505 | 2.38102 | 0.00000 | 192387.9 | 95873.7 | 0.0 | U/P |
| 17.308 | 0.3043 | 0.0000 | 89.504 | 2.38033 | 0.00000 | 192397.1 | 95945.2 | 0.0 | U/P |
| 17.317 | 0.3044 | 0.0000 | 89.502 | 2.37965 | 0.00000 | 192406.2 | 96016.6 | 0.0 | U/P |
| 17.325 | 0.3046 | 0.0000 | 89.501 | 2.37897 | 0.00000 | 192415.3 | 96087.9 | 0.0 | U/P |
| 17.333 | 0.3047 | 0.0000 | 89.499 | 2.37828 | 0.00000 | 192424.5 | 96159.3 | 0.0 | U/P |
| 17.342 | 0.3048 | 0.0000 | 89.498 | 2.37760 | 0.00000 | 192433.6 | 96230.6 | 0.0 | U/P |
| 17.350 | 0.3048 | 0.0000 | 89.496 | 2.37692 | 0.00000 | 192442.8 | 96301.9 | 0.0 | U/P |
| 17.358 | 0.3049 | 0.0000 | 89.494 | 2.37623 | 0.00000 | 192451.9 | 96373.2 | 0.0 | U/P |
| 17.367 | 0.3050 | 0.0000 | 89.493 | 2.37555 | 0.00000 | 192461.0 | 96444.5 | 0.0 | U/P |
| 17.375 | 0.3050 | 0.0000 | 89.491 | 2.37487 | 0.00000 | 192470.2 | 96515.8 | 0.0 | U/P |
| 17.383 | 0.3051 | 0.0000 | 89.490 | 2.37419 | 0.00000 | 192479.4 | 96587.0 | 0.0 | U/P |
| 17.392 | 0.3051 | 0.0000 | 89.488 | 2.37350 | 0.00000 | 192488.5 | 96658.2 | 0.0 | U/P |
| 17.400 | 0.3052 | 0.0000 | 89.487 | 2.37282 | 0.00000 | 192497.7 | 96729.4 | 0.0 | U/P |
| 17.408 | 0.3052 | 0.0000 | 89.485 | 2.37214 | 0.00000 | 192506.8 | 96800.6 | 0.0 | U/P |
| 17.417 | 0.3053 | 0.0000 | 89.484 | 2.37145 | 0.00000 | 192516.0 | 96871.7 | 0.0 | U/P |
| 17.425 | 0.3053 | 0.0000 | 89.482 | 2,37077 | 0.00000 | 192525.1 | 96942.9 | 0.0 | U/P |
| 17.433 | 0.3053 | 0.0000 | 89.481 | 2,37009 | 0.00000 | 192534.3 | 97014.0 | 0.0 | U/P |
| 17.442 | 0.3053 | 0.0000 | 89.479 | 2.36941 | 0.00000 | 192543.5 | 97085.1 | 0.0 | U/P |
| 17.450 | 0.3053 | 0.0000 | 89.478 | 2.36872 | 0.00000 | 192552.6 | 97156.2 | 0.0 | U/P |
| \$7.458 | 0.3054 | 0.0000 | 89.476 | 2.36804 | 0.00000 | 192561.8 | 97227.2 | 0.0 | U/P |
| 17.467 | 0.3054 | 0.0000 | 89.475 | 2.36736 | 0.00000 | 192570.9 | 97298.2 | 0.0 | U/P |
| 17.475 | 0.3054 | 0.0000 | 89.473 | 2.36668 | 0.00000 | 192580.1 | 97369.3 | 0.0 | U/P |
| 17.483 | 0.3054 | 0.0000 | 89.472 | 2.36599 | 0.00000 | 192589.3 | 97440.2 | 0.0 | U/P |
| 17.492 | 0.3054 | 0.0000 | 89.470 | 2.36531 | 0.00000 | 192598.4 | 97511.2 | 0.0 | U/P |
| 17.500 | 0.3054 | 0.0000 | 89.469 | 2.36463 | 0.00000 | 192607.6 | 97582.2 | 0.0 | U/P |
| 17.508 | 0.3053 | 0.0000 | 89.467 | 2.36395 | 0.00000 | 192616.8 | 97653.1 | 0.0 | U/P |
| 17.517 | 0.3050 | 0.0000 | 89.466 | 2.36327 | 0.00000 | 192625.9 | 97724.0 | 0.0 | U/P |
| 17.525 | 0.3046 | 0.0000 | 89.464 | 2.36258 | 0.00000 | 192635.0 | 97794.9 | 0.0 | U/P |
| 17.533 | 0.3039 | 0.0000 | 89.463 | 2.36190 | 0.00000 | 192644.2 | 97865.8 | 0.0 | U/P |
| 17.542 | 0.3030 | 0.0000 | 89.461 | 2.36122 | 0.00000 | 192653.3 | 97936.6 | 0.0 | U/P |
| 17.550 | 0.3017 | 0.0000 | 89.460 | 2.36053 | 0.00000 | 192662.3 | 98007.4 | 0.0 | U/P |
| 17.558 | 0.3000 | 0.0000 | 89.458 | 2.35985 | 0.00000 | 192671.4 | 98078.2 | 0.0 | U/P |
| 17.567 | 0.2980 | 0.0000 | 89.457 | 2.35917 | 0.00000 | 192680.3 | 98149.0 | 0.0 | U/P |
| 17.575 | 0.2956 | 0.0000 | 89.455 | 2.35848 | 0.00000 | 192689.2 | 98219.8 | 0.0 | U/P |
| 17.583 | 0.2930 | 0.0000 | 89.454 | 2.35780 | 0.00000 | 192698.1 | 98290.5 | 0.0 | U/P |
| 17.592 | 0.2902 | 0.0000 | 89.452 | 2.35711 | 0.00000 | 192706.8 | 98361.2 | 0.0 | U/P |
| 17.600 | 0.2874 | 0.0000 | 89.451 | 2.35642 | 0.00000 | 192715.5 | 98432.0 | 0.0 | U/P |
| 17.608 | 0.2845 | 0.0000 | 89.449 | 2.35574 | 0.00000 | 192724.1 | 98502.6 | 0.0 | U/P |
| 17.617 | 0.2817 | 0.0000 | 89.448 | 2.35505 | 0.00000 | 192732.6 | 98573.3 | 0.0 | U/P |
| 17.625 | 0.2790 | 0.0000 | 89.446 | 2.35436 | 0.00000 | 192741.0 | 98643.9 | 0.0 | U/P |
| 17.633 | 0.2764 | 0.0000 | 89.444 | 2.35367 | 0.00000 | 192749.3 | 98714.6 | 0.0 | U/P |
| 17.642 | 0.2740 | 0.0000 | 89.443 | 2.35298 | 0.00000 | 192757.5 | 98785.2 | 0.0 | U/P |
| 17.650 | 0.2717 | 0.0000 | 89.441 | 2.35228 | 0.00000 | 192765.7 | 98855.7 | 0.0 | U/P |
| 17,658 | 0.2697 | 0.0000 | 89.440 | 2.35159 | 0.00000 | 192773.9 | 98926.3 | 0.0 | U/P |
| 17.667 | 0.2679 | 0.0000 | 89.438 | 2.35090 | 0.00000 | 192781.9 | 98996.8 | 0.0 | U/P |
| 17.675 | 0.2663 | 0.0000 | 89.437 | 2.35020 | 0.00000 | 192789.9 | 99067.3 | 0.0 | U/P |
| 17.683 | 0.2649 | 0.0000 | 89.435 | 2.34951 | 0.00000 | 192797.9 | 99137.8 | 0.0 | U/P |
| 17.692 | 0.2637 | 0.0000 | 89.434 | 2.34881 | 0.00000 | 192805.8 | 99208.3 | 0.0 | U/P |
| 17.700 | 0.2627 | 0.0000 | 89.432 | 2.34812 | 0.00000 | 192813.7 | 99278.8 | 0.0 | U/P |
| 17.708 | 0.2617 | 0.0000 | 89.431 | 2.34742 | 0.00000 | 192821.6 | 99349.2 | 0.0 | U/P |
| 17.717 | 0.2609 | 0.0000 | 89.429 | 2.34673 | 0.00000 | 192829.4 | 99419.6 | 0.0 | U/P |
| 17.725 | 0.2602 | 0.0000 | 89.428 | 2.34603 | 0.00000 | 192837.3 | 99490.0 | 0.0 | U/P |
| 17.733 | 0.2595 | 0.0000 | 89.426 | 2.34533 | 0.00000 | 192845.0 | 99560.4 | 0.0 | U/P |
| \$7.742 | 0.2589 | 0.0000 | 89.424 | 2.34464 | 0.00000 | 192852.8 | 99630.7 | 0.0 | U/P |
| 17.750 | 0.2584 | 0.0000 | 89.423 | 2.34394 | 0.00000 | 192860.6 | 99701.1 | 0.0 | U/P |
| 17.758 | 0.2580 | 0.0000 | 89.421 | 2.34324 | 0.00000 | 192868.3 | 99771.4 | 0.0 | U/P |
| 17.767 | 0.2576 | 0.0000 | 89.420 | 2.34255 | 0.00000 | 192876.1 | 99841.7 | 0.0 | U/P |
| 17.775 | 0.2572 | 0.0000 | 89.418 | 2.34185 | 0.00000 | 192883.8 | 99911.9 99982.2 | 0.0 0.0 | U/P |
| 17.783 | 0.2569 | 0.0000 | 89.417 | 2.34115 | 0.00000 | 192891.5 | 99982.2 | 0.0 0.0 | U/P |
| 17.792 | 0.2566 | 0.0000 | 89.415 | 2.34045 | 0.00000 | 192899.2 | 100052.4 | 0.0 | U/P |
| 17.800 | 0.2564 | 0.0000 | 89.414 | 2.33976 | 0.00000 | 192906.9 | 100122.6 | 0.0 | U/P |
| 17.808 | 0.2561 | 0.0000 | 89.412 | 2.33906 | 0.00000 | 192914.6 | 100192.8 | 0.0 | U/P |
| 17.817 | 0.2559 | 0.0000 | 89.411 | 2.33836 | 0.00000 | 192922.3 | 100262.9 | 0.0 | U/P |
| 17.825 | 0.2558 | 0.0000 | 89.409 | 2.33766 | 0.00000 | 192929.9 | 100333.1 | 0.0 | U/P |
| 17.833 | 0.2556 | 0.0000 | 89.407 | 2.33696 | 0.00000 | 192937.6 | 100403.2 | 0.0 0.0 | U/P |
| 17.842 | 0.2555 | 0.0000 | 89.406 | 2.33627 | 0.00000 | 192945.3 | 100473.3 | 0.0 0.0 | U/P |
| 17.850 | 0.2554 | 0.0000 | 89.404 | 2.33557 | 0.00000 | 192952.9 | 100543.4 | 0.0 | U/P |
| 17.858 | 0.2553 | 0.0000 | 89.403 | 2.33487 | 0.00000 | 192960.6 | 100613.4 | 0.0 0.0 | U/P |
| 17.867 | 0.2552 | 0.0000 | 89.401 | 2.33417 | 0.00000 | 192968.3 | 100683.5 | 0.0 | U/P |
| 17.875 | 0.2551 | 0.0000 | 89.400 | 2.33348 | 0.00000 | 192975.9 | 100753.5 | 0.0 | U/P |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: Interim Pond $11100 \mathrm{Yr} / 24 \mathrm{Hr}$ w/ overflow from pond 10

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Outside Recharge (fi/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 17.883 | 0.2550 | 0.0000 | 89.398 | 2.33278 | 0.00000 | 192983.5 | 100823.5 | 0.0 | U/P |
| 17.892 | 0.2550 | 0.0000 | 89.397 | 2.33208 | 0.00000 | 192991.2 | 100893.4 | 0.0 | U/P |
| 17.900 | 0.2549 | 0.0000 | 89.395 | 2.33138 | 0.00000 | 192998.8 | 100963.4 | 0.0 | U/P |
| 17.908 | 0.2548 | 0.0000 | 89.394 | 2.33068 | 0.00000 | 193006.5 | 101033.3 | 0.0 | U/P |
| 17.917 | 0.2548 | 0.0000 | 89.392 | 2.32999 | 0.00000 | 193014.1 | 101103.2 | 0.0 | U/P |
| 17.925 | 0.2548 | 0.0000 | 89.390 | 2.32929 | 0.00000 | 193021.8 | 101173.1 | 0.0 | U/P |
| 17.933 | 0.2547 | 0.0000 | 89.389 | 2.32859 | 0.00000 | 193029.4 | 101243.0 | 0.0 | U/P |
| 17.942 | 0.2547 | 0.0000 | 89.387 | 2.32789 | 0.00000 | 193037.1 | 101312.8 | 0.0 | U/P |
| 17.950 | 0.2547 | 0.0000 | 89.386 | 2.32720 | 0.00000 | 193044.7 | 101382.7 | 0.0 | U/P |
| 17.958 | 0.2546 | 0.0000 | 89.384 | 2,32650 | 0.00000 | 193052.3 | 101452.5 | 0.0 | U/P |
| 17.967 | 0.2546 | 0.0000 | 89.383 | 2.32580 | 0.00000 | 193060.0 | 101522.3 | 0.0 | U/P |
| 17.975 | 0.2546 | 0.0000 | 89.381 | 2.32510 | 0.00000 | 193067.6 | 101592.0 | 0.0 | U/P |
| 17.983 | 0.2546 | 0.0000 | 89.380 | 2.32440 | 0.00000 | 193075.3 | 101661.8 | 0.0 | U/P |
| 17.992 | 0.2546 | 0.0000 | 89.378 | 2.32371 | 0.00000 | 193082.9 | 101731.5 | 0.0 | U/P |
| 18.000 | 0.2546 | 0.0000 | 89.377 | 2.32301 | 0.00000 | 193090.5 | 101801.2 | 0.0 | U/P |
| 18.008 | 0.2545 | 0.0000 | 89.375 | 2.32231 | 0.00000 | 193098.2 | 101870.9 | 0.0 | U/P |
| 18.017 | 0.2543 | 0.0000 | 89.373 | 2.32161 | 0.00000 | 193105.8 | 101940.5 | 0.0 | U/P |
| 18.025 | 0.2539 | 0.0000 | 89.372 | 2.32092 | 0.00000 | 193113.4 | 102010.2 | 0.0 | U/P |
| 18.033 | 0.2534 | 0.0000 | 89.370 | 2.32022 | 0.00000 | 193121.0 | 102079.8 | 0.0 | U/P |
| 18.042 | 0.2526 | 0.0000 | 89.369 | 2.31952 | 0.00000 | 193128.6 | 102149.4 | 0.0 | U/P |
| 18.050 | 0.2515 | 0.0000 | 89.367 | 2.31882 | 0.00000 | 193136.2 | 102218.9 | 0.0 | U/P |
| 18.058 | 0.2500 | 0.0000 | 89.366 | 2.31812 | 0.00000 | 193143.7 | 102288.5 | 0.0 | U/P |
| 18.067 | 0.2481 | 0.0000 | 89.364 | 2.31742 | 0.00000 | 193151.2 | 102358.0 | 0.0 | U/P |
| 18.075 | 0.2459 | 0.0000 | 89.363 | 2.31672 | 0.00000 | 193158.6 | 102427.5 | 0.0 | U/P |
| 18.083 | 0.2434 | 0.0000 | 89.361 | 2.31602 | 0.00000 | 193165.9 | 102497.0 | 0.0 | U/P |
| 18.092 | 0.2407 | 0.0000 | 89.359 | 2.31532 | 0.00000 | 193173.2 | 102566.5 | 0.0 | U/P |
| 18.100 | 0.2378 | 0.0000 | 89.358 | 2.31462 | 0.00000 | 193180.4 | 102636.0 | 0.0 | U/P |
| 18.108 | 0.2350 | 0.0000 | 89.356 | 2.31392 | 0.00000 | 193187.5 | 102705.4 | 0.0 | U/P |
| 18.117 | 0.2321 | 0.0000 | 89.355 | 2.31321 | 0.00000 | 193194.5 | 102774.8 | 0.0 | U/P |
| 18.125 | 0.2293 | 0.0000 | 89.353 | 2.31251 | 0.00000 | 193201.4 | 102844.2 | 0.0 | U/P |
| 18.133 | 0.2267 | 0.0000 | 89.352 | 2.31180 | 0.00000 | 193208.2 | 102913.5 | 0.0 | U/P |
| 18.142 | 0.2242 | 0.0000 | 89.350 | 2.31110 | 0.00000 | 193215.0 | 102982.9 | 0.0 | U/P |
| 18.150 | 0.2218 | 0.0000 | 89.349 | 2.31039 | 0.00000 | 193221.7 | 103052.2 | 0.0 | U/P |
| 18.158 | 0.2197 | 0.0000 | 89.347 | 2.30968 | 0.00000 | 193228.3 | 103121.5 | 0.0 | U/P |
| 18.167 | 0.2177 | 0.0000 | 89.345 | 2.30897 | 0.00000 | 193234.9 | 103190.8 | 0.0 | U/P |
| 18.175 | 0.2160 | 0.0000 | 89.344 | 2.30826 | 0.00000 | 193241.4 | 103260.0 | 0.0 | U/P |
| 18.183 | 0.2146 | 0.0000 | 89.342 | 2.30755 | 0.00000 | 193247.8 | 103329.3 | 0.0 | U/P |
| 18.192 | 0.2133 | 0.0000 | 89.341 | 2.30684 | 0.00000 | 193254.3 | 103398.5 | 0.0 | U/P |
| 18.200 | 0.2122 | 0.0000 | 89.339 | 2.30613 | 0.00000 | 193260.6 | 103467.7 | 0.0 | U/P |
| 18.208 | 0.2112 | 0.0000 | 89.338 | 2.30542 | 0.00000 | 193267.0 | 103536.9 | 0.0 | U/P |
| 18.217 | 0.2103 | 0.0000 | 89.336 | 2.30471 | 0.00000 | 193273.3 | 103606.0 | 0.0 | U/P |
| 18.225 | 0.2096 | 0.0000 | 89.334 | 2.30400 | 0.00000 | 193279.6 | 103675.1 | 0.0 | U/P |
| 18.233 | 0.2089 | 0.0000 | 89.333 | 2.30328 | 0.00000 | 193285.9 | 103744.3 | 0.0 | U/P |
| 18.242 | 0.2083 | 0.0000 | 89.331 | 2.30257 | 0.00000 | 193292.1 | 103813.4 | 0.0 | U/P |
| 18.250 | 0.2077 | 0.0000 | 89.330 | 2.30186 | 0.00000 | 193298.4 | 103882.4 | 0.0 | U/P |
| 18.258 | 0.2072 | 0.0000 | 89.328 | 2.30115 | 0.00000 | 193304.6 | 103951.5 | 0.0 | U/P |
| 18.267 | 0.2068 | 0.0000 | 89.326 | 2.30043 | 0.00000 | 193310.8 | 104020.5 | 0.0 | U/P |
| 18.275 | 0.2064 | 0.0000 | 89.325 | 2.29972 | 0.00000 | 193317.0 | 104089.5 | 0.0 | U/P |
| 18.283 | 0.2061 | 0.0000 | 89.323 | 2.29901 | 0.00000 | 193323.2 | 104158.5 | 0.0 | U/P |
| 18.292 | 0.2058 | 0.0000 | 89.322 | 2.29829 | 0.00000 | 193329.4 | 104227.4 | 0.0 | U/P |
| 18.300 | 0.2055 | 0.0000 | 89.320 | 2.29758 | 0.00000 | 193335.5 | 104296.4 | 0.0 | U/P |
| 18.308 | 0.2053 | 0.0000 | 89.319 | 2.29687 | 0.00000 | 193341.7 | 104365.3 | 0.0 | U/P |
| 18.317 | 0.2051 | 0.0000 | 89.317 | 2.29615 | 0.00000 | 193347.9 | 104434.2 | 0.0 | U/P |
| 18.325 | 0.2049 | 0.0000 | 89.315 | 2.29544 | 0.00000 | 193354.0 | 104503.0 | 0.0 | U/P |
| 18.333 | 0.2048 | 0.0000 | 89.314 | 2.29473 | 0.00000 | 193360.2 | 104571.9 | 0.0 | U/P |
| 18.342 | 0.2046 | 0.0000 | 89.312 | 2.29401 | 0.00000 | 193366.3 | 104640.7 | 0.0 | U/P |
| 18.350 | 0.2045 | 0.0000 | 89.311 | 2.29330 | 0.00000 | 193372.4 | 104709.5 | 0.0 | U/P |
| 18.358 | 0.2044 | 0.0000 | 89.309 | 2.29250 | 0.00000 | 193378.6 | 104778.3 | 0.0 | U/P |
| 18.367 | 0.2043 | 0.0000 | 89.307 | 2.29187 | 0.00000 | 193384.7 | 104847.1 | 0.0 | U/P |
| 18.375 | 0.2042 | 0.0000 | 89.306 | 2.29116 | 0.00000 | 193390.8 | 104915.8 | 0.0 | U/P |
| 18.383 | 0.2041 | 0.0000 | 89.304 | 2.29044 | 0.00000 | 193397.0 | 104984.6 | 0.0 | U/P |
| 18.392 | 0.2040 | 0.0000 | 89.303 | 2.28973 | 0.00000 | 193403.1 | 105053.3 | 0.0 | U/P |
| 18.400 | 0.2040 | 0.0000 | 89.301 | 2.28902 | 0.00000 | 193409.2 | 105122.0 | 0.0 | U/P |
| 18.408 | 0.2039 | 0.0000 | 89.300 | 2.28830 | 0.00000 | 193415.3 | 105190.6 | 0.0 | U/P |
| 18.417 | 0.2039 | 0.0000 | 89.298 | 2.28759 | 0.00000 | 193421.4 | 105259.3 | 0.0 | U/P |
| 18.425 | 0.2038 | 0.0000 | 89.296 | 2.28688 | 0.00000 | 193427.5 | 105327.9 | 0.0 | U/P |
| 18.433 | 0.2038 | 0.0000 | 89.295 | 2.28616 | 0.00000 | 193433.7 | 105396.5 | 0.0 | U/P |
| 18.442 | 0.2038 | 0.0000 | 89.293 | 2.28545 | 0.00000 | 193439.8 | 105465.0 | 0.0 | U/P |
| 18.450 | 0.2037 | 0.0000 | 89.292 | 2.28474 | 0.00000 | 193445.9 | 105533.6 | 0.0 | U/P |
| 18.458 | 0.2037 | 0.0000 | 89.290 | 2.28402 | 0.00000 | 193452.0 | 105602.1 | 0.0 | U/P |
| 18.467 | 0.2037 | 0.0000 | 89.289 | 2.28331 | 0.00000 | 193458.1 | 105670.6 | 0.0 | U/P |
| 18.475 | 0.2037 | 0.0000 | 89.287 | 2.28259 | 0.00000 | 193464.2 | 105739.1 | 0.0 | U/P |
| 18.483 | 0.2037 | 0.0000 | 89.285 | 2.28188 | 0.00000 | 193470.3 | 105807.6 | 0.0 | U/P |
| 18.492 | 0.2036 | 0.0000 | 89.284 | 2.28117 | 0.00000 | 193476.4 | 105876.0 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Interim Pond $11100 \mathrm{Yr} / 24 \mathrm{Hr}$ w/ overflow from pond 10

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Outside Recharge (f/day) | Stage Elevation ( ft datum) | Infilitration Rate (f $\mathrm{f}^{3} / \mathrm{s}$ ) | Overfiow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 18.500 | 0.2036 | 0.0000 | 89.282 | 2.28045 | 0.00000 | 193482.5 | 105944.5 | 0.0 | U/P |
| 18.508 | 0.2036 | 0.0000 | 89.281 | 2.27974 | 0.00000 | 193488.7 | 106012.9 | 0.0 | U/P |
| 18.517 | 0.2038 | 0.0000 | 89.279 | 2.27903 | 0.00000 | 193494.8 | 106081.2 | 0.0 | U/P |
| 18.525 | 0.2040 | 0.0000 | 89.277 | 2.27831 | 0.00000 | 193500.9 | 106149.6 | 0.0 | U/P |
| 18.533 | 0.2045 | 0.0000 | 89.276 | 2.27760 | 0.00000 | 193507.0 | 106217.9 | 0.0 | U/P |
| 18.542 | 0.2051 | 0.0000 | 89.274 | 2.27689 | 0.00000 | 193513.2 | 106286.3 | 0.0 | U/P |
| 18.550 | 0.2061 | 0.0000 | 89.273 | 2.27617 | 0.00000 | 193519.3 | 106354.6 | 0.0 | U/P |
| 18.558 | 0.2074 | 0.0000 | 89.271 | 2.27546 | 0.00000 | 193525.5 | 106422.8 | 0.0 | U/P |
| 18.567 | 0.2091 | 0.0000 | 89.270 | 2.27475 | 0.00000 | 193531.8 | 106491.1 | 0.0 | U/P |
| 18.575 | 0.2112 | 0.0000 | 89.268 | 2.27404 | 0.00000 | 193538.1 | 106559.3 | 0.0 | U/P |
| 18.583 | 0.2135 | 0.0000 | 89.266 | 2.27333 | 0.00000 | 193544.5 | 106627.5 | 0.0 | U/P |
| 18.592 | 0.2161 | 0.0000 | 89.265 | 2.27262 | 0.00000 | 193550.9 | 106695.7 | 0.0 | U/P |
| 18.600 | 0.2189 | 0.0000 | 89.263 | 2.27191 | 0.00000 | 193557.4 | 106763.9 | 0.0 | U/P |
| 18.608 | 0.2218 | 0.0000 | 89.262 | 2.27120 | 0.00000 | 193564.0 | 106832.0 | 0.0 | U/P |
| 18.617 | 0.2246 | 0.0000 | 89.260 | 2.27049 | 0.00000 | 193570.7 | 106800.1 | 0.0 | U/P |
| 18.625 | 0.2274 | 0.0000 | 89.259 | 2.26979 | 0.00000 | 193577.5 | 106968.3 | 0.0 | U/P |
| 18.633 | 0.2301 | 0.0000 | 89.257 | 2.26908 | 0.00000 | 193584.4 | 107036.3 | 0.0 | U/P |
| 18.642 | 0.2327 | 0.0000 | 89.255 | 2.26838 | 0.00000 | 193591.3 | 107104.4 | 0.0 | U/P |
| 18.650 | 0.2351 | 0.0000 | 89.254 | 2.26768 | 0.00000 | 193598.3 | 107172.4 | 0.0 | U/P |
| 18.658 | 0.2374 | 0.0000 | 89.252 | 2.26697 | 0.00000 | 193605.4 | 107240.5 | 0.0 | U/P |
| 18.667 | 0.2394 | 0.0000 | 89.251 | 2.26627 | 0.00000 | 193612.6 | 107308.5 | 0.0 | U/P |
| 18.675 | 0.2412 | 0.0000 | 89.249 | 2.26557 | 0.00000 | 193619.8 | 107376.4 | 0.0 | U/P |
| 18.683 | 0.2428 | 0.0000 | 89.248 | 2.26487 | 0.00000 | 193627.0 | 107444.4 | 0.0 | U/P |
| 18.692 | 0.2442 | 0.0000 | 89.246 | 2.26417 | 0.00000 | 193634.3 | 107512.3 | 0.0 | U/P |
| 18.700 | 0.2454 | 0.0000 | 89.245 | 2.26347 | 0.00000 | 193641.7 | 107580.2 | 0.0 | U/P |
| 18.708 | 0.2464 | 0.0000 | 89.243 | 2.26277 | 0.00000 | 193649.1 | 107648.1 | 0.0 | U/P |
| 18.717 | 0.2473 | 0.0000 | 89.241 | 2.26208 | 0.00000 | 193656.5 | 107716.0 | 0.0 | U/P |
| 18.725 | 0.2482 | 0.0000 | 89.240 | 2.26138 | 0.00000 | 193663.9 | 107783.9 | 0.0 | U/P |
| 18.733 | 0.2489 | 0.0000 | 89.238 | 2.26068 | 0.00000 | 193671.4 | 107851.7 | 0.0 | U/P |
| 18.742 | 0.2495 | 0.0000 | 89.237 | 2.25998 | 0.00000 | 193678.8 | 107919.5 | 0.0 | U/P |
| 18.750 | 0.2501 | 0.0000 | 89.235 | 2.25929 | 0.00000 | 193686.3 | 107987.3 | 0.0 | U/P |
| 18.758 | 0.2506 | 0.0000 | 89.234 | 2.25859 | 0.00000 | 193693.8 | 108055.1 | 0.0 | U/P |
| 18.767 | 0.2511 | 0.0000 | 89.232 | 2.25788 | 0.00000 | 193701.4 | 108122.8 | 0.0 | U/P |
| 18.775 | 0.2515 | 0.0000 | 89.231 | 2.25720 | 0.00000 | 193708.9 | 108190.5 | 0.0 | U/P |
| 18.783 | 0.2518 | 0.0000 | 89.229 | 2.25650 | 0.00000 | 193716.5 | 108258.2 | 0.0 | U/P |
| 18.792 | 0.2522 | 0.0000 | 89.228 | 2.25580 | 0.00000 | 193724.0 | 108325.9 | 0.0 | U/P |
| 18.800 | 0.2524 | 0.0000 | 89.226 | 2.25511 | 0.00000 | 193731.6 | 108393.6 | 0.0 | U/P |
| 18.808 | 0.2527 | 0.0000 | 89.224 | 2.25441 | 0.00000 | 193739.2 | 108461.2 | 0.0 | U/P |
| 18.817 | 0.2529 | 0.0000 | 89.223 | 2.25372 | 0.00000 | 193746.8 | 108528.9 | 0.0 | U/P |
| 18.825 | 0.2531 | 0.0000 | 89.221 | 2.25302 | 0.00000 | 193754.3 | 108596.5 | 0.0 | U/P |
| 18.833 | 0.2533 | 0.0000 | 89.220 | 2.25233 | 0.00000 | 193761.9 | 108664.0 | 0.0 | U/P |
| 18.842 | 0.2534 | 0.0000 | 89.218 | 2.25163 | 0.00000 | 193769.5 | 108731.6 | 0.0 | U/P |
| 18.850 | 0.2535 | 0.0000 | 89.217 | 2.25094 | 0.00000 | 193777.1 | 108799.1 | 0.0 | U/P |
| 18.858 | 0.2537 | 0.0000 | 89.215 | 2.25024 | 0.00000 | 193784.8 | 108866.6 | 0.0 | U/P |
| 18.867 | 0.2538 | 0.0000 | 89.214 | 2.24955 | 0.00000 | 193792.4 | 108934.1 | 0.0 | U/P |
| 18.875 | 0.2539 | 0.0000 | 89.212 | 2.24885 | 0.00000 | 193800.0 | 109001.6 | 0.0 | U/P |
| 18.883 | 0.2539 | 0.0000 | 89.211 | 2.24816 | 0.00000 | 193807.6 | 109069.1 | 0.0 | U/P |
| 18.892 | 0.2540 | 0.0000 | 89.209 | 2.24746 | 0.00000 | 193815.2 | 109136.5 | 0.0 | U/P |
| 18.900 | 0.2541 | 0.0000 | 89.208 | 2.24677 | 0.00000 | 193822.8 | 109203.9 | 0.0 | U/P |
| 18.908 | 0.2541 | 0.0000 | 89.206 | 2.24607 | 0.00000 | 193830.5 | 109271.3 | 0.0 | U/P |
| 18.917 | 0.2542 | 0.0000 | 89.204 | 2.24538 | 0.00000 | 193838.1 | 109338.7 | 0.0 | U/P |
| 18.925 | 0.2542 | 0.0000 | 89.203 | 2.24468 | 0.00000 | 193845.7 | 109406.0 | 0.0 | U/P |
| 18.933 | 0.2543 | 0.0000 | 89.201 | 2.24399 | 0.00000 | 193853.3 | 109473.4 | 0.0 | U/P |
| 18.942 | 0.2543 | 0.0000 | 89.200 | 2.24329 | 0.00000 | 193861.0 | 109540.7 | 0.0 | U/P |
| 18.950 | 0.2543 | 0.0000 | 89.198 | 2.24260 | 0.00000 | 193868.6 | 109608.0 | 0.0 | U/P |
| 18.958 | 0.2544 | 0.0000 | 89.197 | 2.24190 | 0.00000 | 193876.2 | 109675.2 | 0.0 | U/P |
| 18.967 | 0.2544 | 0.0000 | 89.195 | 2.24121 | 0.00000 | 193883.9 | 109742.5 | 0.0 | U/P |
| 18.975 | 0.2544 | 0.0000 | 89.194 | 2.24051 | 0.00000 | 193891.5 | 109809.7 | 0.0 | U/P |
| 18.983 | 0.2544 | 0.0000 | 89.192 | 2.23982 | 0.00000 | 193899.1 | 109876.9 | 0.0 | U/P |
| 18.992 | 0.2545 | 0.0000 | 89.191 | 2.23912 | 0.00000 | 193906.8 | 109944.1 | 0.0 | U/P |
| 19.000 | 0.2545 | 0.0000 | 89.189 | 2.23843 | 0.00000 | 193914.4 | 110011.3 | 0.0 | U/P |
| 19.008 | 0.2545 | 0.0000 | 89.188 | 2.23773 | 0.00000 | 193922.0 | 110078.4 | 0.0 | U/P |
| 19.017 | 0.2544 | 0.0000 | 89.186 | 2.23704 | 0.00000 | 193929.7 | 110145.5 | 0.0 | U/P |
| 19.025 | 0.2540 | 0.0000 | 89.184 | 2.23635 | 0.00000 | 193937.3 | 110212.6 | 0.0 | U/P |
| 19.033 | 0.2533 | 0.0000 | 89.183 | 2.23565 | 0.00000 | 193944.9 | 110279.7 | 0.0 | U/P |
| 19.042 | 0.2522 | 0.0000 | 89.181 | 2.23496 | 0.00000 | 193952.5 | 110346.8 | 0.0 | U/P |
| 19.050 | 0.2505 | 0.0000 | 89.180 | 2.23426 | 0.00000 | 193960.0 | 110413.8 | 0.0 | U/P |
| 19.058 | 0.2483 | 0.0000 | 89.178 | 2.23357 | 0.00000 | 193967.5 | 110480.8 | 0.0 | U/P |
| 19.067 | 0.2453 | 0.0000 | 89.177 | 2.23287 | 0.00000 | 193974.9 | 110547.8 | 0.0 | U/P |
| 19.075 | 0.2415 | 0.0000 | 89.175 | 2.23217 | 0.00000 | 193982.2 | 110614.8 | 0.0 | U/P |
| 19.083 | 0.2370 | 0.0000 | 89.174 | 2.23147 | 0.00000 | 193989.4 | 110681.7 | 0.0 | U/P |
| 19.092 | 0.2320 | 0.0000 | 89.172 | 2.23077 | 0.00000 | 193996.4 | 110748.7 | 0.0 | U/P |
| 19.100 | 0.2266 | 0.0000 | 89.171 | 2.23007 | 0.00000 | 194003.3 | 110815.6 | 0.0 | U/P |
| 19.108 | 0.2209 | 0.0000 | 89.169 | 2.22937 | 0.00000 | 194010.0 | 110882.5 | 0.0 | U/P |

PONDS Version 3.2.0207

# Retention Pond Recovery - Refined Method <br> Copyright 2003 

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Interim Pond $11100 \mathrm{Yr} / 24 \mathrm{Hr}$ w/ overflow from pond 10

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Overfiow <br> Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Voiume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltzation Volume ( $\mathrm{ft}^{3}$ ) | Cumulative <br> Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 19.117 | 0.2152 | 0.0000 | 89.167 | 2.22866 | 0.00000 | 194016.5 | 110949.4 | 0.0 | U/P |
| 19.125 | 0.2095 | 0.0000 | 89.166 | 2.22795 | 0.00000 | 194022.9 | 111016.2 | 0.0 | U/P |
| 19.133 | 0.2040 | 0.0000 | 89.164 | 2.22724 | 0.00000 | 194029.1 | 111083.0 | 0.0 | U/P |
| 19.142 | 0.1987 | 0.0000 | 89.163 | 2.22653 | 0.00000 | 194035.2 | 111149.8 | 0.0 | U/P |
| 19.150 | 0.1937 | 0.0000 | 89.161 | 2.22582 | 0.00000 | 194041.0 | 111216.6 | 0.0 | U/P |
| 19.158 | 0.1890 | 0.0000 | 89.159 | 2.22510 | 0.00000 | 194046.8 | 111283.4 | 0.0 | U/P |
| 19.167 | 0.1847 | 0.0000 | 89.158 | 2.22439 | 0.00000 | 194052.4 | 111350.1 | 0.0 | U/P |
| 19.175 | 0.1808 | 0.0000 | 89.156 | 2.22367 | 0.00000 | 194057.9 | 111416.9 | 0.0 | U/P |
| 19.183 | 0.1775 | 0.0000 | 89.155 | 2.22295 | 0.00000 | 194063.3 | 111483.5 | 0.0 | U/P |
| 19.192 | 0.1746 | 0.0000 | 89,153 | 2.22223 | 0.00000 | 194068.5 | 111550.2 | 0.0 | U/P |
| 19.200 | 0.1721 | 0.0000 | 89.152 | 2.22151 | 0.00000 | 194073.7 | 111616.9 | 0.0 | U/P |
| 19.208 | 0.1699 | 0.0000 | 89.150 | 2.22078 | 0.00000 | 194078.9 | 111683.5 | 0.0 | U/P |
| 19.217 | 0.1679 | 0.0000 | 89.148 | 2.22006 | 0.00000 | 194083.9 | 111750.1 | 0.0 | U/P |
| 19.225 | 0.1662 | 0.0000 | 89.147 | 2.21933 | 0.00000 | 194088.9 | 111816.7 | 0.0 | U/P |
| 19.233 | 0.1646 | 0.0000 | 89.145 | 2.21861 | 0.00000 | 194093.9 | 111883.3 | 0.0 | U/P |
| 19.242 | 0.1632 | 0.0000 | 89.143 | 2.21788 | 0.00000 | 194098.8 | 111949.8 | 0.0 | U/P |
| 19.250 | 0.1620 | 0.0000 | 89.142 | 2.21716 | 0.00000 | 194103.7 | \$12016.4 | 0.0 | U/P |
| 19.258 | 0.1609 | 0.0000 | 89.140 | 2.21643 | 0.00000 | 194108.5 | 112082.9 | 0.0 | U/P |
| 19.267 | 0.1599 | 0.0000 | 89.139 | 2.21571 | 0.00000 | 194113.3 | 112149.4 | 0.0 | U/P |
| 19.275 | 0.1591 | 0.0000 | 89.137 | 2.21498 | 0.00000 | 194118.1 | 112215.8 | 0.0 | U/P |
| 19.283 | 0.1584 | 0.0000 | 89.135 | 2.21425 | 0.00000 | 194122.9 | 112282.3 | 0.0 | U/P |
| 19.292 | 0.1577 | 0.0000 | 89.134 | 2.21352 | 0.00000 | 194127.6 | 112348.7 | 0.0 | U/P |
| $\uparrow 9.300$ | 0.1571 | 0.0000 | 89.132 | 2.21280 | 0.00000 | 194132.4 | 112415.1 | 0.0 | U/P |
| 19.308 | 0.1566 | 0.0000 | 89.131 | 2.21207 | 0.00000 | 194137.1 | 112481.4 | 0.0 | U/P |
| 19.317 | 0.1561 | 0.0000 | 89.129 | 2.21134 | 0.00000 | 194141.8 | 112547.8 | 0.0 | U/P |
| 19.325 | 0.1557 | 0.0000 | 89.127 | 2.21061 | 0.00000 | 194146.4 | 112614.7 | 0.0 | U/P |
| 19.333 | 0.1554 | 0.0000 | 89.126 | 2.20988 | 0.00000 | 194151.1 | 112680.4 | 0.0 | U/P |
| 19.342 | 0.1550 | 0.0000 | 89.124 | 2.20916 | 0.00000 | 194155.8 | 112746.7 | 0.0 | U/P |
| 19.350 | 0.1548 | 0.0000 | 89.123 | 2.20843 | 0.00000 | 194160.4 | 112813.0 | 0.0 | U/P |
| 19,358 | 0.1545 | 0.0000 | 89.121 | 2.20770 | 0.00000 | 194165.0 | 112879.2 | 0.0 | U/P |
| 19.367 | 0.1543 | 0.0000 | 89.119 | 2.20697 | 0.00000 | 194169.7 | 112945.4 | 0.0 | U/P |
| 19.375 | 0.1541 | 0.0000 | 89.118 | 2.20624 | 0.00000 | 194174.3 | 113011.6 | 0.0 | U/P |
| 19.383 | 0.1539 | 0.0000 | 89.116 | 2.20551 | 0.00000 | 194178.9 | 113077.8 | 0.0 | U/P |
| 19.392 | 0.1538 | 0.0000 | 89.114 | 2.20478 | 0.00000 | 194183.5 | 113144.0 | 0.0 | U/P |
| 19.400 | 0.1536 | 0.0000 | 89.113 | 2.20406 | 0.00000 | 194188.1 | 113210.1 | 0.0 | U/P |
| 19.408 | 0.1535 | 0.0000 | 89.111 | 2.20333 | 0.00000 | 194192.8 | 113276.2 | 0.0 | U/P |
| 19.417 | 0.1534 | 0.0000 | 89.110 | 2.20260 | 0.00000 | 194197.3 | 113342.3 | 0.0 | U/P |
| 19.425 | 0.1533 | 0.0000 | 89.108 | 2.20187 | 0.00000 | 194202.0 | 113408.4 | 0.0 | U/P |
| 19.433 | 0.1532 | 0.0000 | 89.106 | 2.20114 | 0.00000 | 194206.5 | 113474.4 | 0.0 | U/P |
| 19.442 | 0.1532 | 0.0000 | 89.105 | 2.20041 | 0.00000 | 194211.1 | 113540.4 | 0.0 | U/P |
| 19.450 | 0.1531 | 0.0000 | 89.103 | 2.19968 | 0.00000 | 194215.7 | 113606.4 | 0.0 | U/P |
| 19.458 | 0.1530 | 0.0000 | 89.102 | 2.19895 | 0.00000 | 194220.3 | 113672.4 | 0.0 | U/P |
| 19.467 | 0.1530 | 0.0000 | 89.100 | 2.19822 | 0.00000 | 194224.9 | 113738.4 | 0.0 | U/P |
| 19.475 | 0.1529 | 0.0000 | 89.098 | 2.19749 | 0.00000 | 194229.5 | 113804.3 | 0.0 | U/P |
| 19.483 | 0.1529 | 0.0000 | 89.097 | 2.19677 | 0.00000 | 194234.1 | 113870.2 | 0.0 | U/P |
| 19.492 | 0.1528 | 0.0000 | 89.095 | 2.19604 | 0.00000 | 194238.7 | 113936.1 | 0.0 | U/P |
| 19.500 | 0.1528 | 0.0000 | 89.093 | 2.19531 | 0.00000 | 194243.3 | 114002.0 | 0.0 | U/P |
| 19.508 | 0.1528 | 0.0000 | 89.092 | 2.19458 | 0.00000 | 194247.8 | 114067.8 | 0.0 | U/P |
| 19.517 | 0.1528 | 0.0000 | 89.090 | 2.19385 | 0.00000 | 194252.4 | 114133.6 | 0.0 | U/P |
| 19.525 | 0.1529 | 0.0000 | 89.089 | 2.19312 | 0.00000 | 194257.0 | 114199.5 | 0.0 | U/P |
| 19.533 | 0.1533 | 0.0000 | 89.087 | 2.19239 | 0.00000 | 194261.6 | 114265.2 | 0.0 | U/P |
| 19.542 | 0.1538 | 0.0000 | 89.085 | 2.19166 | 0.00000 | 194266.2 | 114331.0 | 0.0 | U/P |
| 19.550 | 0.1546 | 0.0000 | 89.084 | 2.19093 | 0.00000 | 194270.8 | 114396.7 | 0.0 | U/P |
| 19.558 | 0.1558 | 0.0000 | 89.082 | 2.19021 | 0.00000 | 194275.5 | 114462.5 | 0.0 | U/P |
| 19.567 | 0.1574 | 0.0000 | 89.081 | 2.18948 | 0.00000 | 194280.2 | 114528.1 | 0.0 | U/P |
| 19.575 | 0.1594 | 0.0000 | 89.079 | 2.18875 | 0.00000 | 194285.0 | 114593.8 | 0.0 | U/P |
| 19.583 | 0.1619 | 0.0000 | 89.077 | 2.18803 | 0.00000 | 194289.8 | 114659.5 | 0.0 | U/P |
| 19.592 | 0.1648 | 0.0000 | 89.076 | 2.18730 | 0.00000 | 194294.7 | 114725.1 | 0.0 | U/P |
| 19.600 | 0.1679 | 0.0000 | 89.074 | 2.18658 | 0.00000 | 194299.7 | 114790.7 | 0.0 | U/P |
| 19.608 | 0.1712 | 0.0000 | 89.073 | 2.18585 | 0.00000 | 194304.8 | 114856.3 | 0.0 | U/P |
| 19.617 | 0.1746 | 0.0000 | 89.071 | 2.18513 | 0.00000 | 194309.9 | 114921.9 | 0.0 | U/P |
| 19.625 | 0.1781 | 0.0000 | 89.069 | 2.18441 | 0.00000 | 194315.2 | 114987.4 | 0.0 | U/P |
| 19.633 | 0.1814 | 0.0000 | 89.068 | 2.18369 | 0.00000 | 194320.6 | 115052.9 | 0.0 | U/P |
| 19.642 | 0.1847 | 0.0000 | 89.066 | 2.18297 | 0.00000 | 194326.1 | $1151 \ddagger 8.4$ | 0.0 | U/P |
| 19.650 | 0.1878 | 0.0000 | 89.065 | 2.18225 | 0.00000 | 194331.7 | 115183.9 | 0.0 | U/P |
| 19.658 | 0.1907 | 0.0000 | 89.063 | 2.18154 | 0.00000 | 194337.4 | 115249.4 | 0.0 | U/P |
| 19.667 | 0.1934 | 0.0000 | 89.061 | 2.18082 | 0.00000 | 194343.1 | 115314.8 | 0.0 | U/P |
| 19,675 | 0.1958 | 0.0000 | 89.060 | 2.18011 | 0.00000 | 194349.0 | 115380.2 | 0.0 | U/P |
| 19.683 | 0.1980 | 0.0000 | 89.058 | 2.17940 | 0.00000 | 194354.9 | 115445.6 | 0.0 | U/P |
| 19.692 | 0.1998 | 0.0000 | 89.057 | 2.17868 | 0.00000 | 194360.8 | 115511.0 | 0.0 | U/P |
| 19.700 | 0.2015 | 0.0000 | 89.055 | 2.17797 | 0.00000 | 194366.9 | 115576.3 | 0.0 | U/P |
| 19.708 | 0.2029 | 0.0000 | 89.053 | 2.17726 | 0.00000 | 194372.9 | 115641.7 | 0.0 | U/P |
| 19.717 | 0.2041 | 0.0000 | 89.052 | 2,17655 | 0.00000 | 194379.0 | 115707.0 | 0.0 | U/P |
| 19.725 | 0.2052 | 0.0000 | 89.050 | 2.17584 | 0.00000 | $\uparrow 94385.2$ | 115772.3 | 0.0 | U/P |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Interim Pond $11100 \mathrm{Yr} / 24 \mathrm{Hr}$ w/ overflow from pond 10

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / 5}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 19.733 | 0.2062 | 0.0000 | 89.049 | 2.17513 | 0.00000 | 194391.4 | 115837.5 | 0.0 | U/P |
| 19.742 | 0.2071 | 0.0000 | 89.047 | 2.17442 | 0.00000 | 194397.5 | 115902.8 | 0.0 | U/P |
| 19.750 | 0.2079 | 0.0000 | 89.046 | 2.17371 | 0.00000 | 194403.8 | 115968.0 | 0.0 | U/P |
| 19.758 | 0.2086 | 0.0000 | 89.044 | 2.17300 | 0.00000 | 194410.0 | 116033.2 | 0.0 | U/P |
| 19.767 | 0.2092 | 0.0000 | 89.042 | 2.17230 | 0.00000 | 194416.3 | 116098.4 | 0.0 | U/P |
| 19.775 | 0.2097 | 0.0000 | 89.041 | 2.17159 | 0.00000 | 194422.6 | 116163.5 | 0.0 | U/P |
| 19.783 | 0.2102 | 0.0000 | 89.039 | 2.17088 | 0.00000 | 194428.9 | 116228.7 | 0.0 | U/P |
| 19.792 | 0.2106 | 0.0000 | 89.038 | 2.17017 | 0.00000 | 194435.2 | 116293.8 | 0.0 | U/P |
| 19.800 | 0.2110 | 0.0000 | 89.036 | 2.16946 | 0.00000 | 194441.5 | 116358.9 | 0.0 | U/P |
| 19.808 | 0.2113 | 0.0000 | 89.035 | 2.16876 | 0.00000 | 194447.8 | 116423.9 | 0.0 | U/P |
| 19.817 | 0.2116 | 0.0000 | 89.033 | 2.16805 | 0.00000 | 194454.2 | 116489.0 | 0.0 | U/P |
| 19.825 | 0.2119 | 0.0000 | 89.031 | 2.16734 | 0.00000 | 194460.5 | 116554.0 | 0.0 | U/P |
| 19.833 | 0.2121 | 0.0000 | 89.030 | 2.16664 | 0.00000 | 194466.9 | 116619.0 | 0.0 | U/P |
| 19.842 | 0.2123 | 0.0000 | 89.028 | 2.16593 | 0.00000 | 194473.3 | 116684.0 | 0.0 | U/P |
| 19.850 | 0.2125 | 0.0000 | 89.027 | 2.16522 | 0.00000 | 194479.6 | 116749.0 | 0.0 | U/P |
| 19.858 | 0.2127 | 0.0000 | 89.025 | 2.16452 | 0.00000 | 194486.0 | 116813.9 | 0.0 | U/P |
| 19.867 | 0.2128 | 0.0000 | 89.024 | 2.16381 | 0.00000 | 194492.4 | 116878.9 | 0.0 | U/P |
| 19.875 | 0.2129 | 0.0000 | 89.022 | 2.16310 | 0.00000 | 194498.8 | 116943.8 | 0.0 | U/P |
| 19.883 | 0.2130 | 0.0000 | 89.021 | 2.16240 | 0.00000 | 194505.2 | 117008.6 | 0.0 | U/P |
| 19.892 | 0.2131 | 0.0000 | 89.019 | 2.16169 | 0.00000 | 194511.6 | 117073.5 | 0.0 | U/P |
| 19.900 | 0.2132 | 0.0000 | 89.017 | 2.16098 | 0.00000 | 194518.0 | 117138.3 | 0.0 | U/P |
| 19.908 | 0.2133 | 0.0000 | 89.016 | 2.16028 | 0.00000 | 194524.4 | 117203.2 | 0.0 | U/P |
| 19.917 | 0.2134 | 0.0000 | 89.014 | 2.15957 | 0.00000 | 194530.8 | 117268.0 | 0.0 | U/P |
| 19.925 | 0.2134 | 0.0000 | 89.013 | 2.15887 | 0.00000 | 194537.2 | 117332.7 | 0.0 | U/P |
| 19.933 | 0.2135 | 0.0000 | 89.011 | 2.15816 | 0.00000 | 194543.6 | 117397.5 | 0.0 | U/P |
| 19.942 | 0.2135 | 0.0000 | 89.010 | 2.15745 | 0.00000 | 194550.0 | 117462.2 | 0.0 | U/P |
| 19.950 | 0.2136 | 0.0000 | 89.008 | 2.15675 | 0.00000 | 194556.4 | 117526.9 | 0.0 | U/P |
| 19.958 | 0.2136 | 0.0000 | 89.006 | 2.15604 | 0.00000 | 194562.8 | 117591.6 | 0.0 | U/P |
| 19.967 | 0.2136 | 0.0000 | 89.005 | 2.15534 | 0.00000 | 194569.2 | 117656.3 | 0.0 | U/P |
| 19.975 | 0.2137 | 0.0000 | 89.003 | 2.15463 | 0.00000 | 194575.6 | 117721.0 | 0.0 | U/P |
| 19.983 | 0.2137 | 0.0000 | 89.002 | 2.15392 | 0.00000 | 194582.0 | 117785.6 | 0.0 | U/P |
| 19.992 | 0.2137 | 0.0000 | 89.000 | 2.15322 | 0.00000 | 194588.4 | 117850.2 | 0.0 | U/P |
| 20.000 | 0.2136 | 0.0000 | 88.999 | 2.15251 | 0.00000 | 194594.8 | 117914.8 | 0.0 | U/P |
| 20.008 | 0.2132 | 0.0000 | 88.997 | 2.15181 | 0.00000 | 194601.2 | 117979.3 | 0.0 | U/P |
| 20.017 | 0.2125 | 0.0000 | 88.996 | 2.15110 | 0.00000 | 194607.6 | 118043.9 | 0.0 | U/P |
| 20.025 | 0.2113 | 0.0000 | 88.994 | 2.15040 | 0.00000 | 194614.0 | 118108.4 | 0.0 | U/P |
| 20.033 | 0.2096 | 0.0000 | 88.992 | 2.14969 | 0.00000 | 194620.3 | 118172.9 | 0.0 | U/P |
| 20.042 | 0.2072 | 0.0000 | 88.991 | 2.14898 | 0.00000 | 194626.5 | 118237.4 | 0.0 | U/P |
| 20.050 | 0.2040 | 0.0000 | 88.989 | 2.14827 | 0.00000 | 194632.7 | 118301.8 | 0.0 | U/P |
| 20.058 | 0.1999 | 0.0000 | 88.988 | 2.14756 | 0.00000 | 194638.8 | 118366.3 | 0.0 | U/P |
| 20.067 | 0.1950 | 0.0000 | 88.986 | 2.14685 | 0.00000 | 194644.7 | 118430.7 | 0.0 | U/P |
| 20.075 | 0.1895 | 0.0000 | 88.985 | 2.14614 | 0.00000 | 194650.5 | 118495.1 | 0.0 | U/P |
| 20.083 | 0.1836 | 0.0000 | 88.983 | 2.14543 | 0.00000 | 194656.1 | 118559.5 | 0.0 | U/P |
| 20.092 | 0.1774 | 0.0000 | 88.981 | 2.14471 | 0.00000 | 194661.5 | 118623.8 | 0.0 | U/P |
| 20.100 | 0.1711 | 0.0000 | 88.980 | 2.14399 | 0.00000 | 194666.7 | 118688.1 | 0.0 | U/P |
| 20.108 | 0.1648 | 0.0000 | 88.978 | 2.14327 | 0.00000 | 194671.7 | 118752.5 | 0.0 | U/P |
| 20.117 | 0.1587 | 0.0000 | 88.977 | 2.14255 | 0.00000 | 194676.6 | 118816.8 | 0.0 | U/P |
| 20.125 | 0.1528 | 0.0000 | 88.975 | 2.14182 | 0.00000 | 194681.3 | 118881.0 | 0.0 | U/P |
| 20.133 | 0.1473 | 0.0000 | 88.973 | 2.14109 | 0.00000 | 194685.8 | \$18945.3 | 0.0 | U/P |
| 20.142 | 0.1421 | 0.0000 | 88.972 | 2.14037 | 0.00000 | 194690.1 | 119009.5 | 0.0 | U/P |
| 20.150 | 0.1374 | 0.0000 | 88.970 | 2.13963 | 0.00000 | 194694.3 | 119073.7 | 0.0 | U/P |
| 20.158 | 0.1331 | 0.0000 | 88.968 | 2.13890 | 0.00000 | 194698.4 | 119137.9 | 0.0 | U/P |
| 20.167 | 0.1294 | 0.0000 | 88.967 | 2.13817 | 0.00000 | 194702.3 | 119202.0 | 0.0 | U/P |
| 20.175 | 0.1261 | 0.0000 | 88.965 | 2.13743 | 0.00000 | 194706.1 | 119266.1 | 0.0 | U/P |
| 20.183 | 0.1233 | 0.0000 | 88.964 | 2.13669 | 0.00000 | 194709.9 | 119330.3 | 0.0 | U/P |
| 20.192 | 0.1209 | 0.0000 | 88.962 | 2.13595 | 0.00000 | 194713.5 | 119394.3 | 0.0 | U/P |
| 20.200 | 0.1187 | 0.0000 | 88.960 | 2.13522 | 0.00000 | 194717.1 | 119458.4 | 0.0 | U/P |
| 20.208 | 0.1168 | 0.0000 | 88.959 | 2.13448 | 0.00000 | 194720.7 | 119522.5 | 0.0 | U/P |
| 20.217 | 0.1151 | 0.0000 | 88.957 | 2.13373 | 0.00000 | 194724.1 | 119586.5 | 0.0 | U/P |
| 20.225 | 0.1135 | 0.0000 | 88.955 | 2.13299 | 0.00000 | 194727.6 | 119650.5 | 0.0 | U/P |
| 20.233 | 0.1121 | 0.0000 | 88.954 | 2.13225 | 0.00000 | 194731.0 | 119714.5 | 0.0 | U/P |
| 20.242 | 0.1109 | 0.0000 | 88.952 | 2.13151 | 0.00000 | 194734.3 | 119778.4 | 0.0 | U/P |
| 20.250 | 0.1099 | 0.0000 | 88.950 | 2.13077 | 0.00000 | 194737.6 | 119842.4 | 0.0 | U/P |
| 20.258 | 0.1089 | 0.0000 | 88.949 | 2.13002 | 0.00000 | 194740.9 | 119906.3 | 0.0 | U/P |
| 20.267 | 0.1081 | 0.0000 | 88.947 | 2.12928 | 0.00000 | 194744.1 | 119970.2 | 0.0 | U/P |
| 20.275 | 0.1074 | 0.0000 | 88.945 | 2.12854 | 0.00000 | 194747.4 | 120034.0 | 0.0 | U/P |
| 20.283 | 0.1067 | 0.0000 | 88.944 | 2.12779 | 0.00000 | 194750.6 | 120097.9 | 0.0 | U/P |
| 20.292 | 0.1061 | 0.0000 | 88.942 | 2.12705 | 0.00000 | 194753.8 | 120161.7 | 0.0 | U/P |
| 20.300 | 0.1056 | 0.0000 | 88.941 | 2.12630 | 0.00000 | 194757.0 | 120225.5 | 0.0 | U/P |
| 20.308 | 0.1052 | 0.0000 | 88.939 | 2.12556 | 0.00000 | 194760.1 | 120289.3 | 0.0 | U/P |
| 20.317 | 0.1048 | 0.0000 | 88.937 | 2.12481 | 0.00000 | 194763.3 | 120353.0 | 0.0 | U/P |
| 20.325 | 0.1044 | 0.0000 | 88.936 | 2.12407 | 0.00000 | 194766.4 | 120416.8 | 0.0 | U/P |
| 20.333 | 0.1041 | 0.0000 | 88.934 | 2.12332 | 0.00000 | 194769.5 | 120480.5 | 0.0 | U/P |
| 20.342 | 0.1038 | 0.0000 | 88.932 | 2.12258 | 0.00000 | 194772.7 | 120544.2 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Interim Pond $11100 \mathrm{Yr} / 24 \mathrm{Hr}$ w/ overflow from pond 10

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{1} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (fl datum) | Infiltration Rate ( $\mathrm{fl}^{3 / \mathrm{s}}$ ) | Overlow Discharge ( $\mathrm{fl}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume (ft ${ }^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 20.350 | 0.1036 | 0.0000 | 88.931 | 2.12183 | 0.00000 | 194775.8 | 120607.8 | 0.0 | U/P |
| 20.358 | 0.1034 | 0.0000 | 88.929 | 2.12109 | 0.00000 | 194778.9 | 120671.5 | 0.0 | U/P |
| 20.367 | 0.1032 | 0.0000 | 88.927 | 2.12034 | 0.00000 | 194782.0 | 120735.1 | 0.0 | U/P |
| 20.375 | 0.1030 | 0.0000 | 88.926 | 2.11960 | 0.00000 | 194785.1 | 120798.7 | 0.0 | U/P |
| 20.383 | 0.1029 | 0.0000 | 88.924 | 2.11885 | 0.00000 | 194788.1 | 120862.3 | 0.0 | U/P |
| 20.392 | 0.1027 | 0.0000 | 88.922 | 2.11811 | 0.00000 | 194791.2 | 120925.8 | 0.0 | U/P |
| 20.400 | 0.1026 | 0.0000 | 88.921 | 2.11736 | 0.00000 | 194794.3 | 120989.4 | 0.0 | U/P |
| 20.408 | 0.1025 | 0.0000 | 88.919 | 2.11662 | 0.00000 | 194797.4 | 121052.9 | 0.0 | U/P |
| 20.417 | 0.1024 | 0.0000 | 88.917 | 2.11587 | 0.00000 | 194800.5 | 121116.3 | 0.0 | U/P |
| 20.425 | 0.1023 | 0.0000 | 88.916 | 2.11513 | 0.00000 | 194803.5 | 121179.8 | 0.0 | U/P |
| 20.433 | 0.1022 | 0.0000 | 88.914 | 2.11438 | 0.00000 | 194806.6 | 121243.3 | 0.0 | U/P |
| 20.442 | 0.1022 | 0.0000 | 88.912 | 2.11363 | 0.00000 | 194809.7 | 121306.7 | 0.0 | U/P |
| 20.450 | 0.1021 | 0.0000 | 88.911 | 2.11289 | 0.00000 | 194812.7 | 121370.1 | 0.0 | U/P |
| 20.458 | 0.1021 | 0.0000 | 88.909 | 2.11214 | 0.00000 | 194815.8 | 121433.4 | 0.0 | U/P |
| 20.467 | 0.1020 | 0.0000 | 88.907 | 2.11140 | 0.00000 | 194818.9 | 121496.8 | 0.0 | U/P |
| 20.475 | 0.1020 | 0.0000 | 88.906 | 2.11065 | 0.00000 | 194821.9 | 121560.1 | 0.0 | U/P |
| 20.483 | 0.1019 | 0.0000 | 88.904 | 2.10991 | 0.00000 | 194825.0 | 121623.4 | 0.0 | U/P |
| 20.492 | 0.1019 | 0.0000 | 88.903 | 2.10916 | 0.00000 | 194828.0 | 121686.7 | 0.0 | U/P |
| 20.500 | 0.1019 | 0.0000 | 88.901 | 2.10841 | 0.00000 | 194831.1 | 121750.0 | 0.0 | U/P |
| 20.508 | 0.1020 | 0.0000 | 88.899 | 2.10767 | 0.00000 | 194834.1 | 121813.2 | 0.0 | U/P |
| 20.517 | 0.1023 | 0.0000 | 88.898 | 2.10692 | 0.00000 | 194837.2 | 121876.5 | 0.0 | U/P |
| 20.525 | 0.1027 | 0.0000 | 88.896 | 2.10618 | 0.00000 | 194840.3 | 121939.6 | 0.0 | U/P |
| 20.533 | 0.1033 | 0.0000 | 88.894 | 2.10543 | 0.00000 | 194843.4 | 122002.8 | 0.0 | U/P |
| 20.542 | 0.1043 | 0.0000 | 88.893 | 2.10469 | 0.00000 | 194846.5 | 122066.0 | 0.0 | U/P |
| 20.550 | 0.1056 | 0.0000 | 88.891 | 2.10394 | 0.00000 | 194849.6 | 122129.1 | 0.0 | U/P |
| 20.558 | 0.1073 | 0.0000 | 88.889 | 2.10320 | 0.00000 | 194852.8 | 122192.2 | 0.0 | U/P |
| 20.567 | 0.1093 | 0.0000 | 88.888 | 2.10246 | 0.00000 | 194856.1 | 122255.3 | 0.0 | U/P |
| 20.575 | 0.1117 | 0.0000 | 88.886 | 2.10171 | 0.00000 | 194859.4 | 122318.4 | 0.0 | U/P |
| 20.583 | 0.1143 | 0.0000 | 88.884 | 2.10097 | 0.00000 | 194862.8 | 122381.4 | 0.0 | U/P |
| 20.592 | 0.1170 | 0.0000 | 88.883 | 2.10023 | 0.00000 | 194866.3 | 122444.4 | 0.0 | U/P |
| 20.600 | 0.1199 | 0.0000 | 88.881 | 2.09949 | 0.00000 | 194869.8 | 122507.4 | 0.0 | U/P |
| 20.608 | 0.1227 | 0.0000 | 88.879 | 2.09875 | 0.00000 | 194873.5 | 122570.4 | 0.0 | U/P |
| 20.617 | 0.1255 | 0.0000 | 88.878 | 2.09801 | 0.00000 | 194877.2 | 122633.3 | 0.0 | U/P |
| 20.625 | 0.1282 | 0.0000 | 88.876 | 2.09728 | 0.00000 | 194881.0 | 122696.3 | 0.0 | U/P |
| 20.633 | 0.1308 | 0.0000 | 88.875 | 2.09654 | 0.00000 | 194884.9 | 122759.2 | 0.0 | U/P |
| 20.642 | 0.1333 | 0.0000 | 88.873 | 2.09581 | 0.00000 | 194888.8 | 122822.1 | 0.0 | U/P |
| 20.650 | 0.1355 | 0.0000 | 88.871 | 2.09507 | 0.00000 | 194892.9 | 122884.9 | 0.0 | U/P |
| 20.658 | 0.1376 | 0.0000 | 88.870 | 2.09434 | 0.00000 | 194897.0 | 122947.8 | 0.0 | U/P |
| 20.667 | 0.1394 | 0.0000 | 88.868 | 2.09361 | 0.00000 | 194901.1 | 123010.6 | 0.0 | U/P |
| 20.675 | 0.1410 | 0.0000 | 88.866 | 2.09288 | 0.00000 | 194905.3 | 123073.4 | 0.0 | U/P |
| 20.683 | 0.1423 | 0.0000 | 88.865 | 2.09215 | 0.00000 | 194909.6 | 123136.2 | 0.0 | U/P |
| 20.682 | 0.1435 | 0.0000 | 88.863 | 2.09142 | 0.00000 | 194913.8 | 123198.9 | 0.0 | U/P |
| 20.700 | 0.1446 | 0.0000 | 88.862 | 2.09069 | 0.00000 | 194918.2 | 123261.6 | 0.0 | U/P |
| 20.708 | 0.1455 | 0.0000 | 88.860 | 2.08996 | 0.00000 | 194922.5 | 123324.4 | 0.0 | U/P |
| 20.717 | 0.1463 | 0.0000 | 88.858 | 2.08923 | 0.00000 | 194926.9 | 123387.0 | 0.0 | U/P |
| 20.725 | 0.1471 | 0.0000 | 88.857 | 2.08850 | 0.00000 | 194931.3 | 123449.7 | 0.0 | U/P |
| 20.733 | 0.1477 | 0.0000 | 88.855 | 2.08777 | 0.00000 | 194935.7 | 123512.3 | 0.0 | U/P |
| 20.742 | 0.1483 | 0.0000 | 88.854 | 2.08704 | 0.00000 | 194940.2 | 123575.0 | 0.0 | U/P |
| 20.750 | 0.1488 | 0.0000 | 88.852 | 2.08632 | 0.00000 | 194944.6 | 123637.6 | 0.0 | U/P |
| 20.758 | 0.1493 | 0.0000 | 88.850 | 2.08559 | 0.00000 | 194949.1 | \$23700.1 | 0.0 | U/P |
| 20.767 | 0.1497 | 0.0000 | 88.849 | 2.08486 | 0.00000 | 194953.6 | 123762.7 | 0.0 | U/P |
| 20.775 | 0.1500 | 0.0000 | 88.847 | 2.08413 | 0.00000 | 194958.1 | 123825.2 | 0.0 | U/P |
| 20.783 | 0.1503 | 0.0000 | 88.845 | 2.08341 | 0.00000 | 194962.6 | 123887.8 | 0.0 | U/P |
| 20.792 | 0.1506 | 0.0000 | 88.844 | 2.08268 | 0.00000 | 194967.1 | 123950.2 | 0.0 | U/P |
| 20.800 | 0.1509 | 0.0000 | 88.842 | 2.08195 | 0.00000 | 194971.6 | 124012.7 | 0.0 | U/P |
| 20.808 | 0.1511 | 0.0000 | 88.841 | 2.08123 | 0.00000 | 194976.1 | 124075.2 | 0.0 | U/P |
| 20.817 | 0.1513 | 0.0000 | 88.839 | 2.08050 | 0.00000 | 194980.7 | 124137.6 | 0.0 | U/P |
| 20.825 | 0.1514 | 0.0000 | 88.837 | 2.07977 | 0.00000 | 194985.2 | 124200.0 | 0.0 | U/P |
| 20.833 | 0.1516 | 0.0000 | 88.836 | 2.07905 | 0.00000 | 194989.8 | 124262.4 | 0.0 | U/P |
| 20.842 | 0.1517 | 0.0000 | 88.834 | 2.07832 | 0.00000 | 194994.3 | 124324.7 | 0.0 | U/P |
| 20.850 | 0.1518 | 0.0000 | 88.833 | 2.07759 | 0.00000 | 194998.9 | 124387.1 | 0.0 | U/P |
| 20.858 | 0.1520 | 0.0000 | 88.831 | 2.07687 | 0.00000 | 195003.4 | 124449.4 | 0.0 | U/P |
| 20.867 | 0.1520 | 0.0000 | 88.829 | 2.07614 | 0.00000 | 195008.0 | 724511.7 | 0.0 | U/P |
| 20.875 | 0.1521 | 0.0000 | 88.828 | 2.07541 | 0.00000 | 195012.5 | 124574.0 | 0.0 | U/P |
| 20.883 | 0.1522 | 0.0000 | 88.826 | 2.07469 | 0.00000 | 195017.1 | 124636.2 | 0.0 | U/P |
| 20.892 | 0.1523 | 0.0000 | 88.825 | 2.07396 | 0.00000 | 195021.7 | 124698.4 | 0.0 | U/P |
| 20.900 | 0.1523 | 0.0000 | 88.823 | 2.07324 | 0.00000 | 195026.2 | 124760.6 | 0.0 | U/P |
| 20.908 | 0.1524 | 0.0000 | 88.821 | 2.07251 | 0.00000 | 195030.8 | 124822.8 | 0.0 | U/P |
| 20.917 | 0.9524 | 0.0000 | 88.820 | 2.07178 | 0.00000 | 195035.4 | 124885.0 | 0.0 | U/P |
| 20.925 | 0.1525 | 0.0000 | 88.818 | 2.07106 | 0.00000 | 195040.0 | 124947.1 | 0.0 | U/P |
| 20.933 | 0.1525 | 0.0000 | 88.816 | 2.07033 | 0.00000 | 195044.5 | 125009.3 | 0.0 | U/P |
| 20.942 | 0.1525 | 0.0000 | 88.815 | 2.06961 | 0.00000 | 195049.1 | 125071.4 | 0.0 | U/P |
| 20.950 | 0.1525 | 0.0000 | 88.813 | 2.06888 | 0.00000 | 195053.7 | 125133.4 | 0.0 | U/P |
| 20.958 | 0.1526 | 0.0000 | 88.812 | 2.06816 | 0.00000 | 195058.3 | 125195.5 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Interim Pond $11100 \mathrm{Yr} / 24 \mathrm{Hr}$ w/ overflow from pond 10

| Elapsed Time (hours) | inflow Rate ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Outside Recharge (fUday) | Stage Elevation (ft datum) | infilfration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 20.967 | 0.1526 | 0.0000 | 88.810 | 2.06743 | 0.00000 | 195062.8 | 125257.5 | 0.0 | U/P |
| 20.975 | 0.1526 | 0.0000 | 88.808 | 2.06670 | 0.00000 | 195067.4 | 125319.5 | 0.0 | U/P |
| 20.983 | 0.1526 | 0.0000 | 88.807 | 2.06598 | 0.00000 | 195072.0 | 125381.5 | 0.0 | U/P |
| 20.992 | 0.1527 | 0.0000 | 88.805 | 2.06525 | 0.00000 | 195076.6 | 125443.5 | 0.0 | U/P |
| 21.000 | 0.1527 | 0.0000 | 88.804 | 2.06453 | 0.00000 | 195081.2 | 125505.4 | 0.0 | U/P |
| 21.008 | 0.1526 | 0.0000 | 88.802 | 2.06380 | 0.00000 | 195085.7 | 125567.4 | 0.0 | U/P |
| 21.017 | 0.1524 | 0.0000 | 88.800 | 2.06308 | 0.00000 | 195090.3 | 125629.3 | 0.0 | U/P |
| 21.025 | 0.1521 | 0.0000 | 88.799 | 2.06235 | 0.00000 | 195094.9 | 125691.2 | 0.0 | U/P |
| 21.033 | 0.1516 | 0.0000 | 88.797 | 2.06163 | 0.00000 | 195099.4 | 125753.0 | 0.0 | U/P |
| 21.042 | 0.1508 | 0.0000 | 88.796 | 2.06090 | 0.00000 | 195104.0 | 125814.9 | 0.0 | U/P |
| 21.050 | 0.1496 | 0.0000 | 88.794 | 2.06017 | 0.00000 | 195108.5 | 125876.7 | 0.0 | U/P |
| 21.058 | 0.1482 | 0.0000 | 88.792 | 2.05945 | 0.00000 | 195112.9 | 125938.5 | 0.0 | U/P |
| 21.067 | 0.1463 | 0.0000 | 88.791 | 2.05872 | 0.00000 | 195117.4 | 126000.2 | 0.0 | U/P |
| 21.075 | 0.1441 | 0.0000 | 88.789 | 2.05799 | 0.00000 | 195121.7 | 126062.0 | 0.0 | U/P |
| 21.083 | 0.1416 | 0.0000 | 88.788 | 2.05726 | 0.00000 | 195126.0 | 126123.7 | 0.0 | U/P |
| 21.092 | 0.1389 | 0.0000 | 88.786 | 2.05653 | 0.00000 | 195130.2 | 126185.4 | 0.0 | U/P |
| 21.100 | 0.1360 | 0.0000 | 88.784 | 2.05580 | 0.00000 | 195134.3 | 126247.1 | 0.0 | U/P |
| 21.108 | 0.1332 | 0.0000 | 88.783 | 2.05507 | 0.00000 | 195138.4 | 126308.8 | 0.0 | U/P |
| 21.117 | 0.1303 | 0.0000 | 88.781 | 2.05434 | 0.00000 | 195142.3 | 126370.4 | 0.0 | U/P |
| 21.125 | 0.1276 | 0.0000 | 88.779 | 2.05360 | 0.00000 | 195146.2 | 126432.0 | 0.0 | U/P |
| 21.133 | 0.1249 | 0.0000 | 88.778 | 2.05287 | 0.00000 | 195150.0 | 126493.6 | 0.0 | U/P |
| 21.142 | 0.1224 | 0.0000 | 88.776 | 2.05213 | 0.00000 | 195153.7 | 126555.2 | 0.0 | U/P |
| 21.150 | 0.1200 | 0.0000 | 88.775 | 2.05140 | 0.00000 | 195157.3 | 126616.8 | 0.0 | U/P |
| 21.158 | 0.1179 | 0.0000 | 88.773 | 2.05066 | 0.00000 | 195160.9 | 126678.3 | 0.0 | U/P |
| 21.167 | 0.1159 | 0.0000 | 88.771 | 2.04992 | 0.00000 | 195164.4 | 126739.8 | 0.0 | U/P |
| 21.175 | 0.1143 | 0.0000 | 88.770 | 2.04918 | 0.00000 | 195167.8 | 126801.3 | 0.0 | U/P |
| 21.183 | 0.1128 | 0.0000 | 88.768 | 2.04844 | 0.00000 | 195171.3 | 126862.7 | 0.0 | U/P |
| 21.192 | 0.1115 | 0.0000 | 88.766 | 2.04770 | 0.00000 | 195174.6 | 126924.2 | 0.0 | U/P |
| 21.200 | 0.1104 | 0.0000 | 88.765 | 2.04696 | 0.00000 | 195178.0 | 126985.6 | 0.0 | U/P |
| 21.208 | 0.1094 | 0.0000 | 88.763 | 2.04622 | 0.00000 | 195181.3 | 127047.0 | 0.0 | U/P |
| 21.217 | 0.1086 | 0.0000 | 88.761 | 2.04548 | 0.00000 | 195184.5 | 127108.4 | 0.0 | U/P |
| 21.225 | 0.1078 | 0.0000 | 88.760 | 2.04474 | 0.00000 | 195187.8 | 127169.7 | 0.0 | U/P |
| 21.233 | 0.1071 | 0.0000 | 88.758 | 2.04399 | 0.00000 | 195191.0 | 127231.1 | 0.0 | U/P |
| 21.242 | 0.1065 | 0.0000 | 88.756 | 2.04325 | 0.00000 | 195194.2 | 127292.4 | 0.0 | U/P |
| 21.250 | 0.1059 | 0.0000 | 88.755 | 2.04251 | 0.00000 | 195197.4 | 127353.7 | 0.0 | U/P |
| 21.258 | 0.1055 | 0.0000 | 88.753 | 2.04177 | 0.00000 | 195200.5 | 127414.9 | 0.0 | U/P |
| 21.267 | 0.1050 | 0.0000 | 88.752 | 2.04102 | 0.00000 | 195203.7 | 127476.2 | 0.0 | U/P |
| 21.275 | 0.1047 | 0.0000 | 88.750 | 2.04028 | 0.00000 | 195206.8 | 127537.4 | 0.0 | U/P |
| 21.283 | 0.1043 | 0.0000 | 88.748 | 2.03954 | 0.00000 | 195210.0 | 127598.6 | 0.0 | U/P |
| 21.292 | 0.1040 | 0.0000 | 88.747 | 2.03879 | 0.00000 | 195213.1 | 127659.8 | 0.0 | U/P |
| 21.300 | 0.1038 | 0.0000 | 88.745 | 2.03805 | 0.00000 | 185216.2 | 127720.9 | 0.0 | U/P |
| 21.308 | 0.1035 | 0.0000 | 88.743 | 2.03731 | 0.00000 | 195219.3 | 127782.0 | 0.0 | U/P |
| 21.317 | 0.1033 | 0.0000 | 88.742 | 2.03656 | 0.00000 | 195222.4 | 127843.1 | 0.0 | U/P |
| 21.325 | 0.1031 | 0.0000 | 88.740 | 2.03582 | 0.00000 | 195225.5 | 127904.2 | 0.0 | U/P |
| 21.333 | 0.1030 | 0.0000 | 88.738 | 2.03507 | 0.00000 | 195228.6 | 127965.3 | 0.0 | U/P |
| 21.342 | 0.1029 | 0.0000 | 88.737 | 2.03433 | 0.00000 | 195231.7 | 128026.3 | 0.0 | U/P |
| 21.350 | 0.1027 | 0.0000 | 88.735 | 2.03359 | 0.00000 | 195234.8 | 128087.4 | 0.0 | U/P |
| 21.358 | 0.1026 | 0.0000 | 88.733 | 2.03284 | 0.00000 | 195237.9 | 128148.4 | 0.0 | U/P |
| 21.367 | 0.1025 | 0.0000 | 88.732 | 2.03210 | 0.00000 | 195241.0 | 128209.3 | 0.0 | U/P |
| 21.375 | 0.1024 | 0.0000 | 88.730 | 2.03135 | 0.00000 | 195244.0 | 128270.3 | 0.0 | U/P |
| 21.383 | 0.1024 | 0.0000 | 88.728 | 2.03061 | 0.00000 | 195247.1 | 128331.2 | 0.0 | U/P |
| 21.392 | 0.1023 | 0.0000 | 88.727 | 2.02987 | 0.00000 | 195250.2 | 128392.$\}$ | 0.0 | U/P |
| 21.400 | 0.1022 | 0.0000 | 88.725 | 2.02912 | 0.00000 | 195253.2 | 128453.0 | 0.0 | U/P |
| 21.408 | 0.1022 | 0.0000 | 88.723 | 2.02838 | 0.00000 | 195256.3 | 128513.9 | 0.0 | U/P |
| 21.417 | 0.1021 | 0.0000 | 88.722 | 2.02763 | 0.00000 | 195259.4 | 128574.7 | 0.0 | U/P |
| 21.425 | 0.1021 | 0.0000 | 88.720 | 2.02689 | 0.00000 | 195262.4 | 128635.5 | 0.0 | U/P |
| 21.433 | 0.1020 | 0.0000 | 88.719 | 2.02615 | 0.00000 | 195265.5 | 128696.3 | 0.0 | U/P |
| 21.442 | 0.1020 | 0.0000 | 88.717 | 2.02540 | 0.00000 | 195268.5 | 128757.1 | 0.0 | U/P |
| 21.450 | 0.1020 | 0.0000 | 88.715 | 2.02466 | 0.00000 | 195271.6 | 128817.8 | 0.0 | U/P |
| 21.458 | 0.1020 | 0.0000 | 88.714 | 2.02391 | 0.00000 | 195274.7 | 128878.6 | 0.0 | U/P |
| 21.467 | 0.1019 | 0.0000 | 88.712 | 2.02317 | 0.00000 | 195277.7 | 128939.3 | 0.0 | U/P |
| 21.475 | 0.1019 | 0.0000 | 88.710 | 2.02243 | 0.00000 | 195280.8 | 129000.0 | 0.0 | U/P |
| 21.483 | 0.1019 | 0.0000 | 88.709 | 2.02168 | 0.00000 | 195283.8 | 129060.6 | 0.0 | U/P |
| 21.492 | 0.1019 | 0.0000 | 88.707 | 2.02094 | 0.00000 | 195286.9 | 129121.3 | 0.0 | U/P |
| 21.500 | 0.1019 | 0.0000 | 88.705 | 2.02019 | 0.00000 | 195290.0 | 129181.9 | 0.0 | U/P |
| 21.508 | 0.1019 | 0.0000 | 88.704 | 2.01945 | 0.00000 | 195293.0 | 129242.5 | 0.0 | U/P |
| 21.517 | 0.1022 | 0.0000 | 88.702 | 2.01871 | 0.00000 | 195296.1 | 129303.0 | 0.0 | U/P |
| 21.525 | 0.1027 | 0.0000 | 88.700 | 2.01796 | 0.00000 | 195299.2 | 129363.6 | 0.0 | U/P |
| 21.533 | 0.1036 | 0.0000 | 88.699 | 2.01722 | 0.00000 | 195302.3 | 129424.1 | 0.0 | U/P |
| 21.542 | 0.1049 | 0.0000 | 88.697 | 2.01648 | 0.00000 | 195305.4 | 129484.6 | 0.0 | U/P |
| 21.550 | 0.1069 | 0.0000 | 88.695 | 2.01573 | 0.00000 | 195308.5 | 129545.1 | 0.0 | U/P |
| 21.558 | 0.1095 | 0.0000 | 88.694 | 2.01499 | 0.00000 | 195311.8 | 129605.6 | 0.0 | U/P |
| 21.567 | 0.1128 | 0.0000 | 88.692 | 2.01425 | 0.00000 | 195315.1 | 129666.0 | 0.0 | U/P |
| 21.575 | 0.1170 | 0.0000 | 88.691 | 2.01351 | 0.00000 | 195318.6 | 129726.4 | 0.0 | U/P |

Vista Landfill Redesign Interim Stormwater Plan

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Interim Pond $11100 \mathrm{Yr} / 24 \mathrm{Hr}$ w/ overflow from pond 10

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{F}^{3 / 3} \mathrm{~s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\left(\mathrm{ft}^{3}\right)$ | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 21.583 | 0.1217 | 0.0000 | 88.689 | 2.01277 | 0.00000 | 195322.2 | 129786.8 | 0.0 | U/P |
| 21.592 | 0.1269 | 0.0000 | 88.687 | 2.01204 | 0.00000 | 195325.9 | 129847.2 | 0.0 | U/P |
| 21.600 | 0.1325 | 0.0000 | 88.686 | 2.01130 | 0.00000 | 195329.8 | 129907.5 | 0.0 | U/P |
| 21.608 | 0.1381 | 0.0000 | 88.684 | 2.01057 | 0.00000 | 195333.8 | 129967.9 | 0.0 | U/P |
| 21.617 | 0.1438 | 0.0000 | 88.682 | 2.00984 | 0.00000 | 195338.1 | 130028.2 | 0.0 | U/P |
| 21.625 | 0.1494 | 0.0000 | 88.681 | 2.00911 | 0.00000 | 195342.5 | 130088.5 | 0.0 | U/P |
| 21.633 | 0.1549 | 0.0000 | 88.679 | 2.00839 | 0.00000 | 195347.0 | 130148.7 | 0.0 | U/P |
| 21.642 | 0.1600 | 0.0000 | 88.678 | 2.00767 | 0.00000 | 195351.8 | 130209.0 | 0.0 | U/P |
| 21.650 | 0.1649 | 0.0000 | 88.676 | 2.00694 | 0.00000 | 195356.6 | 130269.2 | 0.0 | U/P |
| 21.658 | 0.1694 | 0.0000 | 88.674 | 2.00623 | 0.00000 | 195361.6 | 130329.4 | 0.0 | U/P |
| 21.667 | 0.1735 | 0.0000 | 88.673 | 2.00551 | 0.00000 | 195366.8 | 130389.6 | 0.0 | U/P |
| 21.675 | 0.1771 | 0.0000 | 88.671 | 2.00479 | 0.00000 | 195372.0 | 130449.7 | 0.0 | U/P |
| 21.683 | 0.1802 | 0.0000 | 88.670 | 2.00408 | 0.00000 | 195377.4 | 130509.8 | 0.0 | U/P |
| 21.692 | 0.1829 | 0.0000 | 88.668 | 2.00336 | 0.00000 | 195382.8 | 130570.0 | 0.0 | U/P |
| 21.700 | 0.1853 | 0.0000 | 88.667 | 2.00265 | 0.00000 | 195388.4 | 130630.0 | 0.0 | U/P |
| 21.708 | 0.1874 | 0.0000 | 88.665 | 2.00194 | 0.00000 | 195394.0 | 130690.1 | 0.0 | U/P |
| 21.717 | 0.1892 | 0.0000 | 88.663 | 2.00123 | 0.00000 | 195399.6 | 130750.2 | 0.0 | U/P |
| 21.725 | 0.1909 | 0.0000 | 88.662 | 2.00052 | 0.00000 | 195405.3 | 130810.2 | 0.0 | U/P |
| 21.733 | 0.1923 | 0.0000 | 88.660 | 1.99981 | 0.00000 | 195411.1 | 130870.2 | 0.0 | U/P |
| 21.742 | 0.1937 | 0.0000 | 88.659 | 1.99911 | 0.00000 | 195416.8 | 130930.2 | 0.0 | U/P |
| 21.750 | 0.1948 | 0.0000 | 88.657 | 1.99840 | 0.00000 | 195422.7 | 130990.1 | 0.0 | U/P |
| 21.758 | 0.1958 | 0.0000 | 88.656 | 1.99769 | 0.00000 | 195428.5 | 131050.1 | 0.0 | U/P |
| 21.767 | 0.1968 | 0.0000 | 88.654 | 1.99698 | 0.00000 | 195434.4 | 131110.0 | 0.0 | U/P |
| 21.775 | 0.1975 | 0.0000 | 88.652 | 1.99628 | 0.00000 | 195440.3 | 131169.9 | 0.0 | U/P |
| 21.783 | 0.1983 | 0.0000 | 88.651 | 1.99557 | 0.00000 | 195446.3 | 131229.8 | 0.0 | U/P |
| 21.792 | 0.1989 | 0.0000 | 88.649 | 1.99487 | 0.00000 | 195452.2 | 131289.6 | 0.0 | U/P |
| 21.800 | 0.1994 | 0.0000 | 88.648 | 1.99416 | 0.00000 | 195458.2 | 131349.5 | 0.0 | U/P |
| 21.808 | 0.1999 | 0.0000 | 88.646 | 1.99346 | 0.00000 | 195464.2 | 131409.3 | 0.0 | U/P |
| 21.817 | 0.2004 | 0.0000 | 88.645 | 1.99275 | 0.00000 | 195470.2 | 131469.1 | 0.0 | U/P |
| 21.825 | 0.2007 | 0.0000 | 88.643 | 1.99205 | 0.00000 | 195476.2 | 131528.8 | 0.0 | U/P |
| 21.833 | 0.2011 | 0.0000 | 88.641 | 1.99134 | 0.00000 | 195482.3 | 131588.6 | 0.0 | U/P |
| 21.842 | 0.2014 | 0.0000 | 88.640 | 1.99064 | 0.00000 | 195488.3 | 131648.3 | 0.0 | U/P |
| 21.850 | 0.2016 | 0.0000 | 88.638 | 1.98993 | 0.00000 | 195494.3 | 131708.0 | 0.0 | U/P |
| 21.858 | 0.2019 | 0.0000 | 88.637 | 1.98923 | 0.00000 | 195500.4 | 131767.7 | 0.0 | U/P |
| 21.867 | 0.2021 | 0.0000 | 88.635 | 1.98852 | 0.00000 | 195506.4 | 131827.4 | 0.0 | U/P |
| 21.875 | 0.2023 | 0.0000 | 88.634 | 1.98782 | 0.00000 | 195512.5 | 131887.0 | 0.0 | U/P |
| 21.883 | 0.2024 | 0.0000 | 88.632 | 1.98712 | 0.00000 | 195518.6 | 131946.7 | 0.0 | U/P |
| 21.892 | 0.2026 | 0.0000 | 88.631 | 1.98641 | 0.00000 | 195524.7 | 132006.3 | 0.0 | U/P |
| 21.900 | 0.2027 | 0.0000 | 88.629 | 1.98571 | 0.00000 | 195530.7 | 132065.8 | 0.0 | U/P |
| 21.908 | 0.2028 | 0.0000 | 88.627 | 1.98501 | 0.00000 | 195536.8 | 132125.4 | 0.0 | U/P |
| 21.917 | 0.2029 | 0.0000 | 88.626 | 1.98430 | 0.00000 | 195542.9 | 132184.9 | 0.0 | U/P |
| 21.925 | 0.2030 | 0.0000 | 88.624 | 1.98360 | 0.00000 | 195549.0 | 132244.5 | 0.0 | U/P |
| 21.933 | 0.2031 | 0.0000 | 88.623 | 1.98290 | 0.00000 | 195555.1 | 132304.0 | 0.0 | U/P |
| 21.942 | 0.2032 | 0.0000 | 88.621 | 1.98219 | 0.00000 | 195561.2 | 132363.4 | 0.0 | U/P |
| 21.950 | 0.2032 | 0.0000 | 88.620 | 1.98149 | 0.00000 | 195567.3 | 132422.9 | 0.0 | U/P |
| 21.958 | 0.2033 | 0.0000 | 88.618 | 1.98079 | 0.00000 | 195573.4 | 132482.3 | 0.0 | U/P |
| 21.967 | 0.2033 | 0.0000 | 88.616 | 1.98008 | 0.00000 | 195579.5 | 132541.7 | 0.0 | U/P |
| 21.975 | 0.2034 | 0.0000 | 88.615 | 1.97938 | 0.00000 | 195585.6 | 132601.1 | 0.0 | U/P |
| 21.983 | 0.2034 | 0.0000 | 88.613 | 1.97868 | 0.00000 | 195591.7 | 132660.5 | 0.0 | U/P |
| 21.992 | 0.2035 | 0.0000 | 88.612 | 1.97797 | 0.00000 | 195597.8 | 132719.9 | 0.0 | U/P |
| 22.000 | 0.2035 | 0.0000 | 88.610 | 1.97727 | 0.00000 | 195603.9 | 132779.2 | 0.0 | U/P |
| 22.008 | 0.2035 | 0.0000 | 88.609 | 1.97657 | 0.00000 | 195610.0 | 132838.5 | 0.0 | U/P |
| 22.017 | 0.2034 | 0.0000 | 88.607 | 1.97587 | 0.00000 | 195616.1 | 132897.8 | 0.0 | U/P |
| 22.025 | 0.2030 | 0.0000 | 88.606 | 1.97516 | 0.00000 | 195622.2 | 132957.0 | 0.0 | U/P |
| 22.033 | 0.2023 | 0.0000 | 88.604 | 1.97446 | 0.00000 | 195628.3 | 133016.3 | 0.0 | U/P |
| 22.042 | 0.2012 | 0.0000 | 88.602 | 1.97376 | 0.00000 | 195634.3 | 133075.5 | 0.0 | U/P |
| 22.050 | 0.1996 | 0.0000 | 88.601 | 1.97305 | 0.00000 | 195640.3 | 133134.7 | 0.0 | U/P |
| 22.058 | 0.1974 | 0.0000 | 88.599 | 1.97235 | 0.00000 | 195646.3 | 133193.9 | 0.0 | U/P |
| 22.067 | 0.1944 | 0.0000 | 88.598 | 1.97164 | 0.00000 | 195652.2 | 133253.0 | 0.0 | U/P |
| 22.075 | 0.1906 | 0.0000 | 88.596 | 1.97094 | 0.00000 | 195657.9 | 133312.2 | 0.0 | U/P |
| 22.083 | 0.1861 | 0.0000 | 88.595 | 1.97023 | 0.00000 | 195663.6 | 133371.3 | 0.0 | U/P |
| 22.092 | 0.1811 | 0.0000 | 88.593 | 1.96952 | 0.00000 | 195669.1 | 133430.4 | 0.0 | U/P |
| 22.100 | 0.1757 | 0.0000 | 88.591 | 1.96881 | 0.00000 | 195674.4 | 133489.5 | 0.0 | U/P |
| 22.108 | 0.1700 | 0.0000 | 88.590 | 1.96809 | 0.00000 | 195679.6 | 133548.5 | 0.0 | U/P |
| 22.117 | 0.1643 | 0.0000 | 88.588 | 1.96738 | 0.00000 | 195684.6 | 133607.6 | 0.0 | U/P |
| 22.125 | 0.1586 | 0.0000 | 88.587 | 1.96666 | 0.00000 | 195689.5 | 133666.6 | 0.0 | U/P |
| 22.133 | 0.1531 | 0.0000 | 88.585 | 1.96594 | 0.00000 | 195694.2 | 133725.6 | 0.0 | U/P |
| 22.142 | 0.1478 | 0.0000 | 88.584 | 1.96522 | 0.00000 | 195698.7 | 133784.5 | 0.0 | U/P |
| 22.150 | 0.1428 | 0.0000 | 88.582 | 1.96449 | 0.00000 | 195703.0 | 133843.5 | 0.0 | U/P |
| 22.158 | 0.1381 | 0.0000 | 88.580 | 1.96377 | 0.00000 | 195707.3 | 133902.4 | 0.0 | U/P |
| 22.167 | 0.1338 | 0.0000 | 88.579 | 1.96304 | 0.00000 | 195711.3 | 133961.3 | 0.0 | U/P |
| 22.175 | 0.1299 | 0.0000 | 88.577 | 1.96231 | 0.00000 | 195715.3 | 134020.2 | 0.0 | U/P |
| 22.183 | 0.1266 | 0.0000 | 88.575 | 1.96158 | 0.00000 | 195719.1 | 134079.0 | 0.0 | U/P |
| 22.192 | 0.1237 | 0.0000 | 88.574 | 1.96084 | 0.00000 | 195722.9 | 134137.9 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Interim Pond $11100 \mathrm{Yr} / 24 \mathrm{Hr}$ w/ overflow from pond 10

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (fl datum) | Infiltration Rate (f13/s) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative infiltration Volume $\left(\mathrm{ft}^{3}\right)$ | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 22.200 | 0.1212 | 0.0000 | 88.572 | 1.96011 | 0.00000 | 195726.6 | 134196.7 | 0.0 | U/P |
| 22.208 | 0.1190 | 0.0000 | 88.571 | 1.95937 | 0.00000 | 195730.2 | 134255.5 | 0.0 | U/P |
| 22.217 | 0.1170 | 0.0000 | 88.569 | 1.95864 | 0.00000 | 195733.7 | 134314.3 | 0.0 | U/P |
| 22.225 | 0.1153 | 0.0000 | 88.567 | 1.95790 | 0.00000 | 195737.2 | 134373.0 | 0.0 | U/P |
| 22.233 | 0.1137 | 0.0000 | 88.566 | 1.95716 | 0.00000 | 195740.6 | 134431.7 | 0.0 | U/P |
| 22.242 | 0.1123 | 0.0000 | 88.564 | 1.95643 | 0.00000 | 195744.0 | 134490.4 | 0.0 | U/P |
| 22.250 | 0.1111 | 0.0000 | 88.562 | 1.95569 | 0.00000 | 195747.4 | 134549.1 | 0.0 | U/P |
| 22.258 | 0.1100 | 0.0000 | 88.561 | 1.95495 | 0.00000 | 195750.7 | 134607.8 | 0.0 | U/P |
| 22.267 | 0.1091 | 0.0000 | 88.559 | 1.95421 | 0.00000 | 195754.0 | 134666.4 | 0.0 | U/P |
| 22.275 | 0.1082 | 0.0000 | 88.557 | 1.95347 | 0.00000 | 195757.2 | 134725.0 | 0.0 | U/P |
| 22.283 | 0.1075 | 0.0000 | 88.556 | 1.95273 | 0.00000 | 195760.5 | 134783.6 | 0.0 | U/P |
| 22.292 | 0.1068 | 0.0000 | 88.554 | 1.95199 | 0.00000 | 195763.7 | 134842.2 | 0.0 | U/P |
| 22.300 | 0.1062 | 0.0000 | 88.553 | \$. 95125 | 0.00000 | 195766.9 | 134900.7 | 0.0 | U/P |
| 22.308 | 0.1057 | 0.0000 | 88.551 | 1.95051 | 0.00000 | 195770.0 | 134959.3 | 0.0 | U/P |
| 22.317 | 0.1052 | 0.0000 | 88.549 | 1.94977 | 0.00000 | 195773.2 | 135017.8 | 0.0 | U/P |
| 22.325 | 0.1048 | 0.0000 | 88.548 | 1.94903 | 0.00000 | 195776.4 | 135076.3 | 0.0 | U/P |
| 22.333 | 0.1045 | 0.0000 | 88.546 | 1.94828 | 0.00000 | 195779.5 | 135134.7 | 0.0 | U/P |
| 22.342 | 0.1042 | 0.0000 | 88.544 | 1.94754 | 0.00000 | 195782.6 | 135193.1 | 0.0 | U/P |
| 22.350 | 0.1039 | 0.0000 | 88.543 | 1.94680 | 0.00000 | 195785.8 | 135251.6 | 0.0 | U/P |
| 22.358 | 0.1036 | 0.0000 | 88.541 | 1.94606 | 0.00000 | 195788.9 | 135310.0 | 0.0 | U/P |
| 22.367 | 0.1034 | 0.0000 | 88.539 | 1.94532 | 0.00000 | 195792.0 | 135368.3 | 0.0 | U/P |
| 22.375 | 0.1032 | 0.0000 | 88.538 | 1.94458 | 0.00000 | 195795.1 | 135426.7 | 0.0 | U/P |
| 22.383 | 0.1030 | 0.0000 | 88.536 | 1.94383 | 0.00000 | 195798.2 | 135485.0 | 0.0 | U/P |
| 22.392 | 0.1029 | 0.0000 | 88.534 | 1.94309 | 0.00000 | 195801.3 | 135543.3 | 0.0 | U/P |
| 22.400 | 0.1027 | 0.0000 | 88.533 | 1.94235 | 0.00000 | 195804.3 | 135601.6 | 0.0 | U/P |
| 22.408 | 0.1026 | 0.0000 | 88.531 | 1.94161 | 0.00000 | 195807.4 | 135659.8 | 0.0 | U/P |
| 22.417 | 0.1025 | 0.0000 | 88.530 | 1.94087 | 0.00000 | 195810.5 | 135718.1 | 0.0 | U/P |
| 22.425 | 0.1024 | 0.0000 | 88.528 | 1.94012 | 0.00000 | 195813.6 | 135776.3 | 0.0 | U/P |
| 22.433 | 0.1023 | 0.0000 | 88.526 | 1.93938 | 0.00000 | 195816.6 | 135834.5 | 0.0 | U/P |
| 22.442 | 0.1023 | 0.0000 | 88.525 | 1.93864 | 0.00000 | 195819.7 | 135892.7 | 0.0 | U/P |
| 22.450 | 0.1022 | 0.0000 | 88.523 | 1.93790 | 0.00000 | 195822.8 | 135950.8 | 0.0 | U/P |
| 22.458 | 0.1021 | 0.0000 | 88.521 | 1.93716 | 0.00000 | 195825.8 | 136008.9 | 0.0 | U/P |
| 22.467 | 0.1021 | 0.0000 | 88.520 | 1.93641 | 0.00000 | 195828.9 | 136067.0 | 0.0 | U/P |
| 22.475 | 0.1020 | 0.0000 | 88.518 | 1.93567 | 0.00000 | 195832.0 | 136125.1 | 0.0 | U/P |
| 22.483 | 0.1020 | 0.0000 | 88.516 | 1.93493 | 0.00000 | 195835.0 | 136183.2 | 0.0 | U/P |
| 22.492 | 0.1020 | 0.0000 | 88.515 | 1.93419 | 0.00000 | 195838.1 | 136241.2 | 0.0 | U/P |
| 22.500 | 0.1019 | 0.0000 | 88.513 | 1.93344 | 0.00000 | 195841.1 | 136299.2 | 0.0 | U/P |
| 22.508 | 0.1019 | 0.0000 | 88.511 | 1.93270 | 0.00000 | 195844.2 | 136357.2 | 0.0 | U/P |
| 22.517 | 0.1019 | 0.0000 | 88.510 | 1.93196 | 0.00000 | 195847.3 | 136415.2 | 0.0 | U/P |
| 22.525 | 0.1020 | 0.0000 | 88.508 | 1.93122 | 0.00000 | 195850.3 | 136473.1 | 0.0 | U/P |
| 22.533 | 0.1024 | 0.0000 | 88.507 | 1.93048 | 0.00000 | 195853.4 | 136531.1 | 0.0 | U/P |
| 22.542 | 0.1029 | 0.0000 | 88.505 | 1.92973 | 0.00000 | 195856.5 | 136589.0 | 0.0 | U/P |
| 22.550 | 0.1037 | 0.0000 | 88.503 | 1.92899 | 0.00000 | 195859.6 | 136646.8 | 0.0 | U/P |
| 22.558 | 0.1048 | 0.0000 | 88.502 | 1.92825 | 0.00000 | 195862.7 | 136704.7 | 0.0 | U/P |
| 22.567 | 0.1063 | 0.0000 | 88.500 | 1.92751 | 0.00000 | 195865.9 | 136762.5 | 0.0 | U/P |
| 22.575 | 0.1082 | 0.0000 | 88.498 | 1.92677 | 0.00000 | 195869.1 | 136820.4 | 0.0 | U/P |
| 22.583 | 0.1106 | 0.0000 | 88.497 | 1.92603 | 0.00000 | 195872.4 | 136878.2 | 0.0 | U/P |
| 22.592 | 0.1134 | 0.0000 | 88.495 | 1.92529 | 0.00000 | 195875.7 | 136935.9 | 0.0 | U/P |
| 22.600 | 0.1164 | 0.0000 | 88.493 | 1.92455 | 0.00000 | 195879.2 | 136993.7 | 0.0 | U/P |
| 22.608 | 0.1196 | 0.0000 | 88.492 | 1.92382 | 0.00000 | 195882.7 | 137051.4 | 0.0 | U/P |
| 22.617 | 0.1228 | 0.0000 | 88.490 | 1.92308 | 0.00000 | 195886.3 | 137109.1 | 0.0 | U/P |
| 22.625 | 0.1261 | 0.0000 | 88.489 | 1.92235 | 0.00000 | 195890.1 | 137166.8 | 0.0 | U/P |
| 22.633 | 0.1293 | 0.0000 | 88.487 | 1.92162 | 0.00000 | 195893.9 | 137224.4 | 0.0 | U/P |
| 22.642 | 0.1325 | 0.0000 | 88.485 | 1.92089 | 0.00000 | 195897.8 | 137282.1 | 0.0 | U/P |
| 22.650 | 0.1354 | 0.0000 | 88.484 | 1.92016 | 0.00000 | 195901.8 | 137339.7 | 0.0 | U/P |
| 22.658 | 0.1382 | 0.0000 | 88.482 | 1.91943 | 0.00000 | 195906.0 | 137397.3 | 0.0 | U/P |
| 22.667 | 0.1408 | 0.0000 | 88.480 | 1.91870 | 0.00000 | 195910.1 | 137454.9 | 0.0 | U/P |
| 22.675 | 0.1431 | 0.0000 | 88.479 | 1.91798 | 0.00000 | 195914.4 | 137512.4 | 0.0 | U/P |
| 22.683 | 0.1452 | 0.0000 | 88.477 | 1.91725 | 0.00000 | 195918.7 | 137569.9 | 0.0 | U/P |
| 22.692 | 0.1470 | 0.0000 | 88.476 | 1.91653 | 0.00000 | 195923.1 | 137627.4 | 0.0 | U/P |
| 22.700 | 0.1485 | 0.0000 | 88.474 | 1.91580 | 0.00000 | 195927.5 | 137684.9 | 0.0 | U/P |
| 22.708 | 0.1499 | 0.0000 | 88.472 | 1.91508 | 0.00000 | 195932.0 | 137742.4 | 0.0 | U/P |
| 22.717 | 0.1511 | 0.0000 | 88.471 | 1.91436 | 0.00000 | 195936.5 | 137799.8 | 0.0 | U/P |
| 22.725 | 0.1521 | 0.0000 | 88.469 | 1.91364 | 0.00000 | 195941.1 | 137857.3 | 0.0 | U/P |
| 22.733 | 0.1531 | 0.0000 | 88.468 | 1.91292 | 0.00000 | 195945.6 | 137914.7 | 0.0 | U/P |
| 22.742 | 0.1539 | 0.0000 | 88.466 | 1.91219 | 0.00000 | 195950.3 | 137972.0 | 0.0 | U/P |
| 22.750 | 0.1547 | 0.0000 | 88.464 | 1.91147 | 0.00000 | 195954.9 | 138029.4 | 0.0 | U/P |
| 22.758 | 0.1553 | 0.0000 | 88.463 | 1.91075 | 0.00000 | 195959.5 | 138086.7 | 0.0 | U/P |
| 22.767 | 0.1559 | 0.0000 | 88.461 | 1.91003 | 0.00000 | 195964.2 | 138144.0 | 0.0 | U/P |
| 22.775 | 0.1564 | 0.0000 | 88.460 | 1.90931 | 0.00000 | 195968.9 | 138201.3 | 0.0 | U/P |
| 22.783 | 0.1569 | 0.0000 | 88.458 | 1.90860 | 0.00000 | 195973.6 | 138258.6 | 0.0 | U/P |
| 22.792 | 0.1573 | 0.0000 | 88.456 | 1.90788 | 0.00000 | 195978.3 | 138315.8 | 0.0 | U/P |
| 22.800 | 0.1576 | 0.0000 | 88.455 | 1.90716 | 0.00000 | 195983.0 | 138373.1 | 0.0 | U/P |
| 22.808 | 0.1580 | 0.0000 | 88.453 | 1.90644 | 0.00000 | $\uparrow 95987.8$ | $\uparrow 38430.3$ | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Interim Pond $11100 \mathrm{Yr} / 24 \mathrm{Hr}$ w/ overflow from pond 10

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{t}^{3 /} / \mathrm{s}$ ) | Cumułative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{t}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 22.817 | 0.1582 | 0.0000 | 88.452 | 1.90572 | 0.00000 | 195992.5 | 138487.4 | 0.0 | U/P |
| 22.825 | 0.1585 | 0.0000 | 88.450 | 1.90500 | 0.00000 | 195997.3 | 138544.6 | 0.0 | U/P |
| 22.833 | 0.1587 | 0.0000 | 88.448 | 1.90428 | 0.00000 | 196002.0 | 138601.8 | 0.0 | U/P |
| 22.842 | 0.1589 | 0.0000 | 88.447 | 1.90356 | 0.00000 | 196006.8 | 138658.9 | 0.0 | U/P |
| 22.850 | 0.1591 | 0.0000 | 88.445 | 1.90285 | 0.00000 | 196011.5 | 138716.0 | 0.0 | U/P |
| 22.858 | 0.1592 | 0.0000 | 88.444 | 1.90213 | 0.00000 | 196016.3 | 138773.0 | 0.0 | U/P |
| 22.867 | 0.1594 | 0.0000 | 88.442 | 1.90141 | 0.00000 | 196021.1 | 138830.1 | 0.0 | U/P |
| 22.875 | 0.1595 | 0.0000 | 88.441 | 1.90069 | 0.00000 | 196025.9 | 138887.1 | 0.0 | U/P |
| 22.883 | 0.1596 | 0.0000 | 88.439 | 1.89998 | 0.00000 | 196030.7 | 138944.1 | 0.0 | U/P |
| 22.892 | 0.1597 | 0.0000 | 88.437 | 1.89926 | 0.00000 | 196035.5 | 139001.1 | 0.0 | U/P |
| 22.900 | 0.1598 | 0.0000 | 88.436 | $\uparrow .89854$ | 0.00000 | 196040.3 | 139058.1 | 0.0 | U/P |
| 22.908 | 0.1598 | 0.0000 | 88.434 | 1.89782 | 0.00000 | 196045.0 | 139115.0 | 0.0 | U/P |
| 22.917 | 0.1599 | 0.0000 | 88.433 | 1.89710 | 0.00000 | 196049.8 | 139172.0 | 0.0 | U/P |
| 22.925 | 0.1600 | 0.0000 | 88.431 | 1.89639 | 0.00000 | 196054.6 | 139228.9 | 0.0 | U/P |
| 22.933 | 0.1600 | 0.0000 | 88.429 | 1.89567 | 0.00000 | 196059.4 | 139285.7 | 0.0 | U/P |
| 22.942 | 0.1601 | 0.0000 | 88.428 | 1.89495 | 0.00000 | 196064.2 | 139342.6 | 0.0 | U/P |
| 22.950 | 0.1601 | 0.0000 | 88.426 | 1.89424 | 0.00000 | 196069.0 | 139399.4 | 0.0 | U/P |
| 22.958 | 0.1601 | 0.0000 | 88.425 | 1.89352 | 0.00000 | 196073.8 | 139456.3 | 0.0 | U/P |
| 22.967 | 0.1602 | 0.0000 | 88.423 | 1.89280 | 0.00000 | 196078.6 | 139513.0 | 0.0 | U/P |
| 22.975 | 0.1602 | 0.0000 | 88.421 | 1.89208 | 0.00000 | 196083.5 | 139569.8 | 0.0 | U/P |
| 22.983 | 0.1602 | 0.0000 | 88.420 | 1.89137 | 0.00000 | 196088.3 | 139626.6 | 0.0 | U/P |
| 22.992 | 0.1602 | 0.0000 | 88.418 | 1.89065 | 0.00000 | 196093.1 | 139683.3 | 0.0 | U/P |
| 23.000 | 0.1601 | 0.0000 | 88.417 | 1.88993 | 0.00000 | 196097.9 | 139740.0 | 0.0 | U/P |
| 23.008 | 0.1598 | 0.0000 | 88.415 | 1.88921 | 0.00000 | 196102.7 | 139796.7 | 0.0 | U/P |
| 23.017 | 0.1590 | 0.0000 | 88.414 | 1.88850 | 0.00000 | 196107.5 | 139853.4 | 0.0 | U/P |
| 23.025 | 0.1579 | 0.0000 | 88.412 | 1.88778 | 0.00000 | 196112.2 | 139910.0 | 0.0 | U/P |
| 23.033 | 0.1562 | 0.0000 | 88.410 | 1.88706 | 0.00000 | 196116.9 | 139966.6 | 0.0 | U/P |
| 23.042 | 0.1539 | 0.0000 | 88.409 | 1.88634 | 0.00000 | 196121.6 | 140023.2 | 0.0 | U/P |
| 23.050 | 0.1507 | 0.0000 | 88.407 | 1.88562 | 0.00000 | 196126.1 | 140079.8 | 0.0 | U/P |
| 23.058 | 0.1467 | 0.0000 | 88.406 | 1.88490 | 0.00000 | 196130.6 | 140136.4 | 0.0 | U/P |
| 23.067 | 0.1419 | 0.0000 | 88.404 | 1.88418 | 0.00000 | 196134.9 | 140192.9 | 0.0 | U/P |
| 23.075 | 0.1366 | 0.0000 | 88.402 | $\uparrow .88346$ | 0.00000 | 196139.1 | 140249.4 | 0.0 | U/P |
| 23.083 | 0.1308 | 0.0000 | 88.401 | 1.88273 | 0.00000 | 196143.1 | 140305.9 | 0.0 | U/P |
| 23.092 | 0.1247 | 0.0000 | 88.399 | 1.88200 | 0.00000 | 196146.9 | 140362.4 | 0.0 | U/P |
| 23.100 | 0.1186 | 0.0000 | 88.397 | 1.88127 | 0.00000 | 196150.6 | 140418.8 | 0.0 | U/P |
| 23.108 | 0.1125 | 0.0000 | 88.396 | 1.88053 | 0.00000 | 196154.1 | 140475.3 | 0.0 | U/P |
| 23.117 | 0.1065 | 0.0000 | 88.394 | 1.87980 | 0.00000 | 196157.3 | 140531.7 | 0.0 | U/P |
| 23.125 | 0.1008 | 0.0000 | 88.393 | 1.87906 | 0.00000 | 196160.5 | 140588.0 | 0.0 | U/P |
| 23.133 | 0.0954 | 0.0000 | 88.391 | 1.87832 | 0.00000 | 196163.4 | 140644.4 | 0.0 | U/P |
| 23.142 | 0.0903 | 0.0000 | 88.389 | 1.87757 | 0.00000 | 196166.2 | 140700.7 | 0.0 | U/P |
| 23.150 | 0.0857 | 0.0000 | 88.388 | 1.87683 | 0.00000 | 196168.8 | 140757.1 | 0.0 | U/P |
| 23.158 | 0.0815 | 0.0000 | 88.386 | 1.87608 | 0.00000 | 196171.3 | 140813.3 | 0.0 | U/P |
| 23.167 | 0.0778 | 0.0000 | 88.384 | 1.87533 | 0.00000 | 196173.7 | 140869.6 | 0.0 | U/P |
| 23.175 | 0.0747 | 0.0000 | 88.383 | 1.87458 | 0.00000 | 196176.0 | 140925.9 | 0.0 | U/P |
| 23.183 | 0.0720 | 0.0000 | 88.381 | 1.87383 | 0.00000 | 196178.2 | 140982.1 | 0.0 | U/P |
| 23.192 | 0.0695 | 0.0000 | 88.379 | 1.87307 | 0.00000 | 196180.3 | 141038.3 | 0.0 | U/P |
| 23.200 | 0.0674 | 0.0000 | 88.378 | 1.87232 | 0.00000 | 196182.4 | 141094.5 | 0.0 | U/P |
| 23.208 | 0.0655 | 0.0000 | 88.376 | 1.87156 | 0.00000 | 196184.4 | 141150.6 | 0.0 | U/P |
| 23.217 | 0.0639 | 0.0000 | 88.374 | 1.87081 | 0.00000 | 196186.3 | 141206.8 | 0.0 | U/P |
| 23.225 | 0.0624 | 0.0000 | 88.373 | 1.87005 | 0.00000 | 196188.2 | 141262.9 | 0.0 | U/P |
| 23.233 | 0.0610 | 0.0000 | 88.371 | 1.86929 | 0.00000 | 196190.1 | \$41319.0 | 0.0 | U/P |
| 23.242 | 0.0598 | 0.0000 | 88.369 | 1.86854 | 0.00000 | 196191.9 | 141375.0 | 0.0 | U/P |
| 23.250 | 0.0588 | 0.0000 | 88.368 | 1.86778 | 0.00000 | 196193.7 | 141431.1 | 0.0 | U/P |
| 23.258 | 0.0579 | 0.0000 | 88.366 | 1.86702 | 0.00000 | 196195.4 | 141487.1 | 0.0 | U/P |
| 23,267 | 0.0571 | 0.0000 | 88.364 | 1.86626 | 0.00000 | 196197.1 | 141543.1 | 0.0 | U/P |
| 23.275 | 0.0563 | 0.0000 | 88.362 | 1.86550 | 0.00000 | 196198.8 | 141599.1 | 0.0 | U/P |
| 23.283 | 0.0557 | 0.0000 | 88.361 | 1.86474 | 0.00000 | 196200.5 | 141655.0 | 0.0 | U/P |
| 23.292 | 0.0551 | 0.0000 | 88.359 | 1.86398 | 0.00000 | 196202.2 | 141711.0 | 0.0 | U/P |
| 23.300 | 0.0546 | 0.0000 | 88.357 | 1.86322 | 0.00000 | 196203.8 | 141766.9 | 0.0 | U/P |
| 23.308 | 0.0542 | 0.0000 | 88.356 | 1.86246 | 0.00000 | 196205.5 | 141822.8 | 0.0 | U/P |
| 23.317 | 0.0538 | 0.0000 | 88.354 | 1.86170 | 0.00000 | 196207.1 | 141878.6 | 0.0 | U/P |
| 23.325 | 0.0535 | 0.0000 | 88.352 | 1.86094 | 0.00000 | 196208.7 | 141934.5 | 0.0 | U/P |
| 23.333 | 0.0532 | 0.0000 | 88.351 | 1.86018 | 0.00000 | 196210.3 | 141990.3 | 0.0 | U/P |
| 23.342 | 0.0529 | 0.0000 | 88.349 | 1.85942 | 0.00000 | 196211.9 | 142046.1 | 0.0 | U/P |
| 23.350 | 0.0527 | 0.0000 | 88.347 | 1.85865 | 0.00000 | 196213.5 | 142101.8 | 0.0 | U/P |
| 23.358 | 0.0524 | 0.0000 | 88.346 | 1.85789 | 0.00000 | 196215.0 | 142157.6 | 0.0 | U/P |
| 23.367 | 0.0523 | 0.0000 | 88.344 | 1.85713 | 0.00000 | 196216.6 | 142213.3 | 0.0 | U/P |
| 23.375 | 0.0521 | 0.0000 | 88.342 | 1.85637 | 0.00000 | 196218.2 | 142269.0 | 0.0 | U/P |
| 23.383 | 0.0519 | 0.0000 | 88.341 | 1.85561 | 0.00000 | 196219.7 | 142324.7 | 0.0 | U/P |
| 23.392 | 0.0518 | 0.0000 | 88.339 | 1.85485 | 0.00000 | 196221.3 | 142380.4 | 0.0 | U/P |
| 23.400 | 0.0517 | 0.0000 | 88.337 | 1.85408 | 0.00000 | 196222.8 | 142436.0 | 0.0 | U/P |
| 23.408 | 0.0516 | 0.0000 | 88.335 | 1.85332 | 0.00000 | 196224.4 | 142491.6 | 0.0 | U/P |
| 23.417 | 0.0515 | 0.0000 | 88.334 | 1.85256 | 0.00000 | 196225.9 | 142547.2 | 0.0 | U/P |
| 23.425 | 0.0514 | 0.0000 | 88.332 | 1.85180 | 0.00000 | 196227.5 | 142602.8 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Interim Pond $11100 \mathrm{Yr} / 24 \mathrm{Hr}$ w/ overffow from pond 10

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overfiow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{\mathrm{T}}$ ) | Cumutative Discharge Volume ( $\mathrm{fl}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 23.433 | 0.0514 | 0.0000 | 88.330 | 1.85104 | 0.00000 | 196229.0 | 142658.3 | 0.0 | U/P |
| 23.442 | 0.0513 | 0.0000 | 88.329 | 1.85028 | 0.00000 | 196230.6 | 142713.8 | 0.0 | U/P |
| 23.450 | 0.0512 | 0.0000 | 88.327 | 1.84951 | 0.00000 | 196232.1 | 142769.3 | 0.0 | U/P |
| 23.458 | 0.0512 | 0.0000 | 88.325 | 1.84875 | 0.00000 | 196233.6 | 142824.8 | 0.0 | U/P |
| 23.467 | 0.0511 | 0.0000 | 88.324 | 1.84799 | 0.00000 | 196235.2 | 142880.3 | 0.0 | U/P |
| 23.475 | 0.0511 | 0.0000 | 88.322 | 1.84723 | 0.00000 | 196236.7 | 142935.7 | 0.0 | U/P |
| 23.483 | 0.0511 | 0.0000 | 88.320 | 1.84647 | 0.00000 | 196238.2 | 142991.1 | 0.0 | U/P |
| 23.492 | 0.0510 | 0.0000 | 88.319 | 1.84571 | 0.00000 | 196239.8 | 143046.5 | 0.0 | U/P |
| 23.500 | 0.0510 | 0.0000 | 88.317 | 1.84494 | 0.00000 | 196241.3 | 143101.8 | 0.0 | U/P |
| 23.508 | 0.0510 | 0.0000 | 88.315 | 1.84418 | 0.00000 | 196242.8 | 143157.2 | 0.0 | U/P |
| 23.517 | 0.0510 | 0.0000 | 88.314 | 1.84342 | 0.00000 | 196244.4 | 143212.5 | 0.0 | U/P |
| 23.525 | 0.0509 | 0.0000 | 88.312 | 1.84266 | 0.00000 | 196245.9 | 143267.8 | 0.0 | U/P |
| 23.533 | 0.0509 | 0.0000 | 88.310 | 1.84190 | 0.00000 | 196247.4 | 143323.0 | 0.0 | U/P |
| 23.542 | 0.0509 | 0.0000 | 88.308 | 1.84113 | 0.00000 | 196248.9 | 143378.3 | 0.0 | U/P |
| 23.550 | 0.0509 | 0.0000 | 88.307 | 1.84037 | 0.00000 | 196250.5 | 143433.5 | 0.0 | U/P |
| 23.558 | 0.0509 | 0.0000 | 88.305 | $\uparrow .83961$ | 0.00000 | 196252.0 | 143488.7 | 0.0 | U/P |
| 23.567 | 0.0509 | 0.0000 | 88.303 | 1.83885 | 0.00000 | 196253.5 | 143543.9 | 0.0 | U/P |
| 23.575 | 0.0509 | 0.0000 | 88.302 | 1.83809 | 0.00000 | 196255.1 | 143599.0 | 0.0 | U/P |
| 23.583 | 0.0509 | 0.0000 | 88.300 | 1.83733 | 0.00000 | 196256.6 | 143654.2 | 0.0 | U/P |
| 23.592 | 0.0509 | 0.0000 | 88.298 | 1.83656 | 0.00000 | 196258.1 | 143709.3 | 0.0 | U/P |
| 23.600 | 0.0509 | 0.0000 | 88.297 | 1.83580 | 0.00000 | 196259.6 | 143764.4 | 0.0 | U/P |
| 23.608 | 0.0509 | 0.0000 | 88.295 | 1.83504 | 0.00000 | 196261.2 | 143819.4 | 0.0 | U/P |
| 23.617 | 0.0509 | 0.0000 | 88.293 | 1.83428 | 0.00000 | 196262.7 | 143874.5 | 0.0 | U/P |
| 23.625 | 0.0509 | 0.0000 | 88.292 | 1.83352 | 0.00000 | 196264.2 | 143929.5 | 0.0 | U/P |
| 23.633 | 0.0509 | 0.0000 | 88.290 | 1.83275 | 0.00000 | 196265.8 | 143984.5 | 0.0 | U/P |
| 23.642 | 0.0509 | 0.0000 | 88.288 | 1.83199 | 0.00000 | 196267.3 | 144039.4 | 0.0 | U/P |
| 23.650 | 0.0509 | 0.0000 | 88.287 | 1.83123 | 0.00000 | 196268.8 | 144094.4 | 0.0 | U/P |
| 23.658 | 0.0509 | 0.0000 | 88.285 | 1.83047 | 0.00000 | 196270.3 | 144149.3 | 0.0 | U/P |
| 23.667 | 0.0509 | 0.0000 | 88.283 | 1.82971 | 0.00000 | 196271.9 | 144204.2 | 0.0 | U/P |
| 23.675 | 0.0509 | 0.0000 | 88.281 | 1.82895 | 0.00000 | 196273.4 | 144259.1 | 0.0 | U/P |
| 23.683 | 0.0509 | 0.0000 | 88.280 | 1.82818 | 0.00000 | 196274.9 | 144314.0 | 0.0 | U/P |
| 23.692 | 0.0509 | 0.0000 | 88.278 | 1.82742 | 0.00000 | 196276.4 | 144368.8 | 0.0 | U/P |
| 23.700 | 0.0509 | 0.0000 | 88.276 | 1.82666 | 0.00000 | 196278.0 | 144423.6 | 0.0 | U/P |
| 23.708 | 0.0509 | 0.0000 | 88.275 | 1.82590 | 0.00000 | 196279.5 | 144478.4 | 0.0 | U/P |
| 23.717 | 0.0509 | 0.0000 | 88.273 | 1.82514 | 0.00000 | 196281.0 | 144533.2 | 0.0 | U/P |
| 23.725 | 0.0509 | 0.0000 | 88.271 | 1.82438 | 0.00000 | 196282.5 | 144587.9 | 0.0 | U/P |
| 23.733 | 0.0509 | 0.0000 | 88.270 | 1.82361 | 0.00000 | 196284.1 | 144642.6 | 0.0 | U/P |
| 23.742 | 0.0509 | 0.0000 | 88.268 | 1.82285 | 0.00000 | 196285.6 | 144697.3 | 0.0 | U/P |
| 23.750 | 0.0509 | 0.0000 | 88.266 | 1.82209 | 0.00000 | 196287.1 | 144752.0 | 0.0 | U/P |
| 23.758 | 0.0509 | 0.0000 | 88.265 | 1.82133 | 0.00000 | 196288.7 | 144806.6 | 0.0 | U/P |
| 23.767 | 0.0509 | 0.0000 | 88.263 | 1.82057 | 0.00000 | 196290.2 | 144861.3 | 0.0 | U/P |
| 23.775 | 0.0509 | 0.0000 | 88.261 | 1.81981 | 0.00000 | 196291.7 | 144915.9 | 0.0 | U/P |
| 23.783 | 0.0509 | 0.0000 | 88.260 | 1.81904 | 0.00000 | 196293.2 | 144970.5 | 0.0 | U/P |
| 23.792 | 0.0509 | 0.0000 | 88.258 | $\uparrow .81828$ | 0.00000 | 196294.8 | 145025.0 | 0.0 | U/P |
| 23.800 | 0.0509 | 0.0000 | 88.256 | 1.81752 | 0.00000 | 196296.3 | 145079.5 | 0.0 | U/P |
| 23.808 | 0.0509 | 0.0000 | 88.254 | 1.81676 | 0.00000 | 196297.8 | 145134.1 | 0.0 | U/P |
| 23.817 | 0.0509 | 0.0000 | 88.253 | 1.81600 | 0.00000 | 196299.3 | 145188.5 | 0.0 | U/P |
| 23.825 | 0.0509 | 0.0000 | 88.251 | 1.81524 | 0.00000 | 196300.9 | 145243.0 | 0.0 | U/P |
| 23.833 | 0.0509 | 0.0000 | 88.249 | 1.81447 | 0.00000 | 196302.4 | 145297.5 | 0.0 | U/P |
| 23.842 | 0.0509 | 0.0000 | 88.248 | 1.81371 | 0.00000 | 196303.9 | \$45351.9 | 0.0 | U/P |
| 23.850 | 0.0509 | 0.0000 | 88.246 | 1.81295 | 0.00000 | 196305.4 | 145406.3 | 0.0 | U/P |
| 23.858 | 0.0509 | 0.0000 | 88.244 | 1.81219 | 0.00000 | 196307.0 | 145460.7 | 0.0 | U/P |
| 23.867 | 0.0509 | 0.0000 | 88.243 | 1.81143 | 0.00000 | 196308.5 | 145515.0 | 0.0 | U/P |
| 23.875 | 0.0509 | 0.0000 | 88.241 | 1.81067 | 0.00000 | 196310.0 | 145569.4 | 0.0 | U/P |
| 23.883 | 0.0509 | 0.0000 | 88.239 | 1.80991 | 0.00000 | 196311.5 | 145623.7 | 0.0 | U/P |
| 23.892 | 0.0509 | 0.0000 | 88.238 | 1.80914 | 0.00000 | 196313.1 | 145678.0 | 0.0 | U/P |
| 23.900 | 0.0509 | 0.0000 | 88.236 | 1.80838 | 0.00000 | 196314.6 | 145732.2 | 0.0 | U/P |
| 23.908 | 0.0509 | 0.0000 | 88.234 | 1.80762 | 0.00000 | 196316.1 | 145786.5 | 0.0 | U/P |
| 23.917 | 0.0509 | 0.0000 | 88.233 | 1.80686 | 0.00000 | 196317.7 | 145840.7 | 0.0 | U/P |
| 23.925 | 0.0509 | 0.0000 | 88.231 | 1.80610 | 0.00000 | 196319.2 | 145894.9 | 0.0 | U/P |
| 23.933 | 0.0509 | 0.0000 | 88.229 | 1.80534 | 0.00000 | 196320.7 | 145949.0 | 0.0 | U/P |
| 23.942 | 0.0509 | 0.0000 | 88.227 | 1.80457 | 0.00000 | 196322.2 | 146003.2 | 0.0 | U/P |
| 23.950 | 0.0509 | 0.0000 | 88.226 | 1.80381 | 0.00000 | 196323.8 | 146057.3 | 0.0 | U/P |
| 23.958 | 0.0509 | 0.0000 | 88.224 | 1.80305 | 0.00000 | 196325.3 | 146111.4 | 0.0 | U/P |
| 23.967 | 0.0509 | 0.0000 | 88.222 | 1.80229 | 0.00000 | 196326.8 | 146165.5 | 0.0 | U/P |
| 23.975 | 0.0509 | 0.0000 | 88.221 | 1.80153 | 0.00000 | 196328.3 | 146219.5 | 0.0 | U/P |
| 23.983 | 0.0509 | 0.0000 | 88.219 | 1.80077 | 0.00000 | 196329.9 | 146273.6 | 0.0 | U/P |
| 23.992 | 0.0509 | 0.0000 | 88.217 | 1.80001 | 0.00000 | 196331.4 | 146327.6 | 0.0 | U/P |
| 24.000 | 0.0509 | 0.0000 | 88.216 | 1.79925 | 0.00000 | 196332.9 | 146381.6 | 0.0 | U/P |
| 24.008 | 0.0508 | 0.0000 | 88.214 | 1.79848 | 0.00000 | 196334.4 | 146435.5 | 0.0 | U/P |
| 24.017 | 0.0506 | 0.0000 | 88.212 | 1.79772 | 0.00000 | 196336.0 | 146489.5 | 0.0 | U/P |
| 24.025 | 0.0503 | 0.0000 | 88.211 | 1.79696 | 0.00000 | 196337.5 | 146543.4 | 0.0 | U/P |
| 24.033 | 0.0497 | 0.0000 | 88.209 | 1.79620 | 0.00000 | 196339.0 | 146597.3 | 0.0 | U/P |
| 24.042 | 0.0489 | 0.0000 | 88.207 | 1.79544 | 0.00000 | 196340.5 | 146651.2 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Interim Pond $11100 \mathrm{Yr} / 24 \mathrm{Hr}$ w/ overflow from pond 10

| Elapsed Time (hours) | Inflow Rate (fis/s) | Outside Recharge (ftday) | Stage Elevation ( fl datum) | Infiltration Rate ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Infiow Volume (fis) | Cumulative Infiltration Volume (fis | Cumulative Discharge Volume ( $\mathrm{fl}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 24.050 | 0.0478 | 0.0000 | 88.206 | 1.79468 | 0.00000 | 196341.9 | 146705.0 | 0.0 | U/P |
| 24.058 | 0.0463 | 0.0000 | 88.204 | 1.79391 | 0.00000 | 196343.3 | 146758.9 | 0.0 | U/P |
| 24.067 | 0.0445 | 0.0000 | 88.202 | 1.79315 | 0.00000 | 196344.7 | 146812.7 | 0.0 | U/P |
| 24.075 | 0.0422 | 0.0000 | 88.200 | 1.79239 | 0.00000 | 196346.0 | 146866.5 | 0.0 | U/P |
| 24.083 | 0.0397 | 0.0000 | 88.199 | 1.79162 | 0.00000 | 196347.2 | 146920.2 | 0.0 | U/P |
| 24.092 | 0.0370 | 0.0000 | 88.197 | 1.79085 | 0.00000 | 196348.4 | 146974.0 | 0.0 | U/P |
| 24.100 | 0.0342 | 0.0000 | 88.195 | 1.79009 | 0.00000 | 196349.4 | 147027.7 | 0.0 | U/P |
| 24.108 | 0.0314 | 0.0000 | 88.194 | 1.78932 | 0.00000 | 196350.4 | 147081.4 | 0.0 | U/P |
| 24.117 | 0.0285 | 0.0000 | 88.192 | 1.78855 | 0.00000 | 196351.3 | 147135.0 | 0.0 | U/P |
| 24.125 | 0.0257 | 0.0000 | 88.190 | 1.78778 | 0.00000 | 196352.1 | 147188.7 | 0.0 | U/P |
| 24.133 | 0.0231 | 0.0000 | 88.189 | 1.78700 | 0.00000 | 196352.9 | 147242.3 | 0.0 | U/P |
| 24.142 | 0.0206 | 0.0000 | 88.187 | 1.78623 | 0.00000 | 196353.5 | 147295.9 | 0.0 | U/P |
| 24.150 | 0.0182 | 0.0000 | 88.185 | 1.78546 | 0.00000 | 196354.1 | 147349.5 | 0.0 | U/P |
| 24.158 | 0.0161 | 0.0000 | 88.183 | 1.78468 | 0.00000 | 196354.6 | 147403.0 | 0.0 | U/P |
| 24.167 | 0.0141 | 0.0000 | 88.182 | 1.78390 | 0.00000 | 196355.1 | 147456.5 | 0.0 | U/P |
| 24.175 | 0.0124 | 0.0000 | 88.180 | 1.78313 | 0.00000 | 196355.5 | 147510.0 | 0.0 | U/P |
| 24.183 | 0.0110 | 0.0000 | 88.178 | 1.78235 | 0.00000 | 196355.8 | 147563.5 | 0.0 | U/P |
| 24.192 | 0.0097 | 0.0000 | 88.176 | 1.78157 | 0.00000 | 196356.1 | 147617.0 | 0.0 | U/P |
| 24.200 | 0.0086 | 0.0000 | 88.175 | 1.78079 | 0.00000 | 196356.4 | 147670.4 | 0.0 | U/P |
| 24.208 | 0.0076 | 0.0000 | 88.173 | 1.78001 | 0.00000 | 196356.7 | 147723.8 | 0.0 | U/P |
| 24.217 | 0.0068 | 0.0000 | 88.171 | 1.77923 | 0.00000 | 196356.9 | 147777.2 | 0.0 | U/P |
| 24.225 | 0.0060 | 0.0000 | 88.170 | 1.77845 | 0.00000 | 196357.1 | 147830.6 | 0.0 | U/P |
| 24.233 | 0.0053 | 0.0000 | 88.168 | 1.77767 | 0.00000 | 196357.2 | 147883.9 | 0.0 | U/P |
| 24.242 | 0.0047 | 0.0000 | 88.166 | 1.77689 | 0.00000 | 196357.4 | 147937.3 | 0.0 | U/P |
| 24.250 | 0.0041 | 0.0000 | 88.164 | 1.77611 | 0.00000 | 196357.5 | 147990.5 | 0.0 | U/P |
| 24.258 | 0.0036 | 0.0000 | 88.163 | 1.77533 | 0.00000 | 196357.6 | 148043.8 | 0.0 | U/P |
| 24.267 | 0.0032 | 0.0000 | 88.161 | 1.77454 | 0.00000 | 196357.7 | 148097.1 | 0.0 | U/P |
| 24.275 | 0.0028 | 0.0000 | 88.159 | 1.77376 | 0.00000 | 196357.8 | 148150.3 | 0.0 | U/P |
| 24.283 | 0.0025 | 0.0000 | 88.157 | 1.77298 | 0.00000 | 196357.9 | 148203.5 | 0.0 | U/P |
| 24.292 | 0.0022 | 0.0000 | 88.156 | 1.77220 | 0.00000 | 196358.0 | 148256.7 | 0.0 | U/P |
| 24.300 | 0.0019 | 0.0000 | 88.154 | 1.77141 | 0.00000 | 196358.0 | 148309.8 | 0.0 | U/P |
| 24.308 | 0.0017 | 0.0000 | 88.152 | 1.77063 | 0.00000 | 196358.1 | 148363.0 | 0.0 | U/P |
| 24.317 | 0.0015 | 0.0000 | 88.150 | 1.76985 | 0.00000 | 196358.1 | 148416.1 | 0.0 | U/P |
| 24.325 | 0.0013 | 0.0000 | 88.149 | 1.76907 | 0.00000 | 196358.2 | 148469.1 | 0.0 | U/P |
| 24.333 | 0.0012 | 0.0000 | 88.147 | 1.76828 | 0.00000 | 196358.2 | 148522.2 | 0.0 | U/P |
| 24.342 | 0.0010 | 0.0000 | 88.145 | 1.76750 | 0.00000 | 196358.3 | 148575.3 | 0.0 | U/P |
| 24.350 | 0.0009 | 0.0000 | 88.144 | 1.76672 | 0.00000 | 196358.3 | 148628.3 | 0.0 | U/P |
| 24.358 | 0.0008 | 0.0000 | 88.142 | 1.76593 | 0.00000 | 196358.3 | 148681.3 | 0.0 | U/P |
| 24.367 | 0.0007 | 0.0000 | 88.140 | 1.76515 | 0.00000 | 196358.3 | 148734.2 | 0.0 | U/P |
| 24.375 | 0.0006 | 0.0000 | 88.138 | 1.76437 | 0.00000 | 196358.3 | 148787.2 | 0.0 | U/P |
| 24.383 | 0.0005 | 0.0000 | 88.137 | 1.76358 | 0.00000 | 196358.4 | 148840.1 | 0.0 | U/P |
| 24.392 | 0.0005 | 0.0000 | 88.135 | 1.76280 | 0.00000 | 196358.4 | 148893.0 | 0.0 | U/P |
| 24.400 | 0.0004 | 0.0000 | 88.133 | 1.76202 | 0.00000 | 196358.4 | 148945.8 | 0.0 | U/P |
| 24.408 | 0.0004 | 0.0000 | 88.131 | 1.76123 | 0.00000 | 196358.4 | 148998.7 | 0.0 | U/P |
| 24.417 | 0.0003 | 0.0000 | 88.130 | 1.76045 | 0.00000 | 196358.4 | 149051.5 | 0.0 | U/P |
| 24.425 | 0.0003 | 0.0000 | 88.128 | 1.75967 | 0.00000 | 196358.4 | 149104.3 | 0.0 | U/P |
| 24.433 | 0.0002 | 0.0000 | 88.126 | 1.75888 | 0.00000 | 196358.4 | 149157.1 | 0.0 | U/P |
| 24.442 | 0.0002 | 0.0000 | 88.124 | 1.75810 | 0.00000 | 196358.4 | 149209.9 | 0.0 | U/P |
| 24.450 | 0.0002 | 0.0000 | 88.123 | 1.75732 | 0.00000 | 196358.4 | 149262.6 | 0.0 | U/P |
| 24.458 | 0.0001 | 0.0000 | 88.121 | 1.75653 | 0.00000 | 196358.4 | 149315.3 | 0.0 | U/P |
| 24.467 | 0.0001 | 0.0000 | 88.119 | 1.75575 | 0.00000 | 196358.4 | 149368.0 | 0.0 | U/P |
| 24.475 | 0.0001 | 0.0000 | 88.117 | 1.75497 | 0.00000 | 196358.5 | 149420.6 | 0.0 | U/P |
| 24.483 | 0.0001 | 0.0000 | 88.116 | 1.75418 | 0.00000 | 196358.5 | 149473.3 | 0.0 | U/P |
| 24.492 | 0.0001 | 0.0000 | 88.114 | 1.75340 | 0.00000 | 196358.5 | 149525.9 | 0.0 | U/P |
| 24.500 | 0.0000 | 0.0000 | 88.112 | 1.75262 | 0.00000 | 196358.5 | 149578.5 | 0.0 | U/P |
| 24.508 | 0.0000 | 0.0000 | 88.111 | 1.75183 | 0.00000 | 196358.5 | 149631.0 | 0.0 | U/P |
| 24.517 | 0.0000 | 0.0000 | 88.109 | 1.75105 | 0.00000 | 196358.5 | 149683.6 | 0.0 | U/P |
| 24.525 | 0.0000 | 0.0000 | 88.107 | 1.75027 | 0.00000 | 196358.5 | 149736.1 | 0.0 | U/P |
| 24.533 | 0.0000 | 0.0000 | 88.105 | 1.74948 | 0.00000 | 196358.5 | 149788.6 | 0.0 | U/P |
| 24.542 | 0.0000 | 0.0000 | 88.104 | 1.74870 | 0.00000 | 196358.5 | 149841.1 | 0.0 | U/P |
| 24.550 | 0.0000 | 0.0000 | 88.102 | 1.74792 | 0.00000 | 196358.5 | 149893.5 | 0.0 | U/P |
| 24.558 | 0.0000 | 0.0000 | 88.100 | 1.74713 | 0.00000 | 196358.5 | 149946.0 | 0.0 | U/P |
| 24.567 | 0.0000 | 0.0000 | 88.098 | 1.74635 | 0.00000 | 196358.5 | 149998.4 | 0.0 | U/P |
| 24.575 | 0.0000 | 0.0000 | 88.097 | 1.74556 | 0.00000 | 196358.5 | 150050.7 | 0.0 | U/P |
| 24.583 | 0.0000 | 0.0000 | 88.095 | 1.74478 | 0.00000 | 196358.5 | 150103.1 | 0.0 | U/P |
| 24.592 | 0.0000 | 0.0000 | 88.093 | 1.74400 | 0.00000 | 196358.5 | 150155.4 | 0.0 | U/P |
| 24.600 | 0.0000 | 0.0000 | 88.091 | 1.74321 | 0.00000 | 196358.5 | 150207.7 | 0.0 | U/P |
| 24.608 | 0.0000 | 0.0000 | 88.090 | 1.74243 | 0.00000 | 196358.5 | 150260.0 | 0.0 | U/P |
| 24.617 | 0.0000 | 0.0000 | 88.088 | 1.74165 | 0.00000 | 196358.5 | 150312.3 | 0.0 | U/P |
| 24.625 | 0.0000 | 0.0000 | 88.086 | 1.74086 | 0.00000 | 196358.5 | 150364.5 | 0.0 | U/P |
| 24.633 | 0.0000 | 0.0000 | 88.085 | 1.74008 | 0.00000 | 196358.5 | 150416.7 | 0.0 | U/P |
| 24.642 | 0.0000 | 0.0000 | 88.083 | 1.73930 | 0.00000 | 196358.5 | 150468.9 | 0.0 | U/P |
| 24.650 | 0.0000 | 0.0000 | 88.081 | 1.73851 | 0.00000 | 196358.5 | 150521.1 | 0.0 | U/P |
| 24.658 | 0.0000 | 0.0000 | 88.079 | 1.73773 | 0.00000 | 196358.5 | 150573.2 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario $1::$ Interim Pond $11100 \mathrm{Yr} / 24 \mathrm{Hr}$ w/ overflow from pond 10

| Elapsed Time (hours) | inflow Rate (ftys) | Outside Recharge (flday) | Stage Elevation (fl datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{fl}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 24.667 | 0.0000 | 0.0000 | 88.078 | 7.73695 | 0.00000 | 196358.5 | 150625.3 | 0.0 | U/P |
| 24.675 | 0.0000 | 0.0000 | 88.076 | 1.73616 | 0.00000 | 196358.5 | 150677.4 | 0.0 | U/P |
| 24.683 | 0.0000 | 0.0000 | 88.074 | 1.73538 | 0.00000 | 196358.5 | 150729.5 | 0.0 | U/P |
| 24.692 | 0.0000 | 0.0000 | 88.072 | 1.73460 | 0.00000 | 196358.5 | 150781.6 | 0.0 | U/P |
| 24.700 | 0.0000 | 0.0000 | 88.071 | 1.73381 | 0.00000 | 196358.5 | 150833.6 | 0.0 | U/P |
| 24.708 | 0.0000 | 0.0000 | 88.069 | 1.73303 | 0.00000 | 196358.5 | 150885.6 | 0.0 | U/P |
| 24.717 | 0.0000 | 0.0000 | 88.067 | 1.73224 | 0.00000 | 196358.5 | 150937.6 | 0.0 | U/P |
| 24.725 | 0.0000 | 0.0000 | 88.065 | 1.73146 | 0.00000 | 196358.5 | 150989.5 | 0.0 | U/P |
| 24.733 | 0.0000 | 0.0000 | 88.064 | 1.73068 | 0.00000 | 196358.5 | 151041.5 | 0.0 | U/P |
| 24.742 | 0.0000 | 0.0000 | 88.062 | 1.72989 | 0.00000 | 196358.5 | 151093.4 | 0.0 | U/P |
| 24.750 | 0.0000 | 0.0000 | 88.060 | 1.72911 | 0.00000 | 196358.5 | 151145.3 | 0.0 | U/P |
| 24.758 | 0.0000 | 0.0000 | 88.058 | 1.72833 | 0.00000 | 196358.5 | 151197.1 | 0.0 | U/P |
| 24.767 | 0.0000 | 0.0000 | 88.057 | 1.72754 | 0.00000 | 196358.5 | 151249.0 | 0.0 | U/P |
| 24.775 | 0.0000 | 0.0000 | 88.055 | 1.72676 | 0.00000 | 196358.5 | 151300.8 | 0.0 | U/P |
| 24.783 | 0.0000 | 0.0000 | 88.053 | 1.72598 | 0.00000 | 196358.5 | 151352.6 | 0.0 | U/P |
| 24.792 | 0.0000 | 0.0000 | 88.052 | 1.72519 | 0.00000 | 196358.5 | 151404.3 | 0.0 | U/P |
| 24.800 | 0.0000 | 0.0000 | 88.050 | 1.72441 | 0.00000 | 196358.5 | 151456.1 | 0.0 | U/P |
| 24.808 | 0.0000 | 0.0000 | 88.048 | 1.72363 | 0.00000 | 196358.5 | 151507.8 | 0.0 | U/P |
| 24.817 | 0.0000 | 0.0000 | 88.046 | 1.72284 | 0.00000 | 196358.5 | 151559.5 | 0.0 | U/P |
| 24.825 | 0.0000 | 0.0000 | 88.045 | 1.72206 | 0.00000 | 196358.5 | 151611.2 | 0.0 | U/P |
| 24.833 | 0.0000 | 0.0000 | 88.043 | 1.72128 | 0.00000 | 196358.5 | 151662.8 | 0.0 | U/P |
| 24.842 | 0.0000 | 0.0000 | 88.041 | 1.72049 | 0.00000 | 196358.5 | 151714.4 | 0.0 | U/P |
| 24.850 | 0.0000 | 0.0000 | 88.039 | 1.71971 | 0.00000 | 196358.5 | 151766.0 | 0.0 | U/P |
| 24.858 | 0.0000 | 0.0000 | 88.038 | 1.71892 | 0.00000 | 196358.5 | 151817.6 | 0.0 | U/P |
| 24.867 | 0.0000 | 0.0000 | 88.036 | 1.71814 | 0.00000 | 196358.5 | 151869.2 | 0.0 | U/P |
| 24.875 | 0.0000 | 0.0000 | 88.034 | 1.71736 | 0.00000 | 196358.5 | 151920.7 | 0.0 | U/P |
| 24.883 | 0.0000 | 0.0000 | 88.032 | 1.71657 | 0.00000 | 196358.5 | 151972.2 | 0.0 | U/P |
| 24.892 | 0.0000 | 0.0000 | 88.031 | 1.71579 | 0.00000 | 196358.5 | 152023.7 | 0.0 | U/P |
| 24.900 | 0.0000 | 0.0000 | 88.029 | 1.71501 | 0.00000 | 196358.5 | 152075.2 | 0.0 | U/P |
| 24.908 | 0.0000 | 0.0000 | 88.027 | 1.71422 | 0.00000 | 196358.5 | 152126.6 | 0.0 | U/P |
| 24.917 | 0.0000 | 0.0000 | 88.025 | 1.71344 | 0.00000 | 196358.5 | 152178.0 | 0.0 | U/P |
| 24.925 | 0.0000 | 0.0000 | 88.024 | 1.71266 | 0.00000 | 186358.5 | 152229.4 | 0.0 | U/P |
| 24.933 | 0.0000 | 0.0000 | 88.022 | 1.71187 | 0.00000 | 196358.5 | 152280.8 | 0.0 | U/P |
| 24.942 | 0.0000 | 0.0000 | 88.020 | 1.71109 | 0.00000 | 196358.5 | 152332.1 | 0.0 | U/P |
| 24.950 | 0.0000 | 0.0000 | 88.019 | 1.71031 | 0.00000 | 196358.5 | 152383.4 | 0.0 | U/P |
| 24.958 | 0.0000 | 0.0000 | 88.017 | 1.70952 | 0.00000 | 196358.5 | 152434.7 | 0.0 | U/P |
| 24.967 | 0.0000 | 0.0000 | 88.015 | 1.70874 | 0.00000 | 196358.5 | 152486.0 | 0.0 | U/P |
| 24.975 | 0.0000 | 0.0000 | 88.013 | 1.70796 | 0.00000 | 196358.5 | 152537.3 | 0.0 | U/P |
| 24.983 | 0.0000 | 0.0000 | 88.012 | 1.70717 | 0.00000 | 196358.5 | 152588.5 | 0.0 | U/P |
| 24.992 | 0.0000 | 0.0000 | 88.010 | 1.70639 | 0.00000 | 196358.5 | 152639.7 | 0.0 | U/P |
| 25.000 | 0.0000 | 0.0000 | 88.008 | 1.70560 | 0.00000 | 196358.5 | 152690.9 | 0.0 | U/P |
| 25.008 | 0.0000 | 0.0000 | 88.006 | 1.70482 | 0.00000 | 196358.5 | 152742.0 | 0.0 | U/P |
| 25.017 | 0.0000 | 0.0000 | 88.005 | 1.70404 | 0.00000 | 196358.5 | 152793.2 | 0.0 | U/P |
| 25.025 | 0.0000 | 0.0000 | 88.003 | 1.70325 | 0.00000 | 196358.5 | 152844.3 | 0.0 | U/P |
| 25.033 | 0.0000 | 0.0000 | 88.001 | 1.70247 | 0.00000 | 196358.5 | 152895.4 | 0.0 | U/P |
| 25.042 | 0.0000 | 0.0000 | 87.999 | 1.70169 | 0.00000 | 196358.5 | 152946.4 | 0.0 | U/P |
| 25.050 | 0.0000 | 0.0000 | 87.998 | 1.70081 | 0.00000 | 196358.5 | 152997.5 | 0.0 | U/P |
| 25.058 | 0.0000 | 0.0000 | 87.996 | 1.70014 | 0.00000 | 196358.5 | 153048.5 | 0.0 | U/P |
| 25.067 | 0.0000 | 0.0000 | 87.994 | 1.69936 | 0.00000 | 196358.5 | 153099.5 | 0.0 | U/P |
| 25.075 | 0.0000 | 0.0000 | 87.992 | 1.69859 | 0.00000 | 196358.5 | $153 \uparrow 50.4$ | 0.0 | U/P |
| 25.083 | 0.0000 | 0.0000 | 87.991 | 1.69781 | 0.00000 | 196358.5 | 153201.4 | 0.0 | U/P |
| 25.092 | 0.0000 | 0.0000 | 87.989 | 1.69704 | 0.00000 | 196358.5 | 153252.3 | 0.0 | U/P |
| 25.100 | 0.0000 | 0.0000 | 87.987 | 1.69626 | 0.00000 | 196358.5 | 153303.2 | 0.0 | U/P |
| 25.108 | 0.0000 | 0.0000 | 87.986 | 1.69549 | 0.00000 | 196358.5 | 153354.1 | 0.0 | U/P |
| 25.117 | 0.0000 | 0.0000 | 87.984 | 1.69471 | 0.00000 | 196358.5 | 153404.9 | 0.0 | U/P |
| 25.125 | 0.0000 | 0.0000 | 87.982 | 1.69394 | 0.00000 | 196358.5 | 153455.8 | 0.0 | U/P |
| 25.133 | 0.0000 | 0.0000 | 87.980 | 1.69316 | 0.00000 | 196358.5 | 153506.6 | 0.0 | U/P |
| 25.142 | 0.0000 | 0.0000 | 87.979 | 1.69238 | 0.00000 | 196358.5 | 153557.4 | 0.0 | U/P |
| 25.150 | 0.0000 | 0.0000 | 87.977 | 1.69161 | 0.00000 | 196358.5 | 153608.1 | 0.0 | U/P |
| 25.158 | 0.0000 | 0.0000 | 87.975 | $\uparrow .69084$ | 0.00000 | 196358.5 | 153658.9 | 0.0 | U/P |
| 25,167 | 0.0000 | 0.0000 | 87.973 | 1.69006 | 0.00000 | 196358.5 | 153709.6 | 0.0 | U/P |
| 25.175 | 0.0000 | 0.0000 | 87.972 | 1.68929 | 0.00000 | 196358.5 | 153760.3 | 0.0 | U/P |
| 25.183 | 0.0000 | 0.0000 | 87.970 | 1.68851 | 0.00000 | 196358.5 | 153810.9 | 0.0 | U/P |
| 25.192 | 0.0000 | 0.0000 | 87.968 | 1.68774 | 0.00000 | 196358.5 | 153861.6 | 0.0 | U/P |
| 25.200 | 0.0000 | 0.0000 | 87.966 | 1.68696 | 0.00000 | 196358.5 | 153912.2 | 0.0 | U/P |
| 25.208 | 0.0000 | 0.0000 | 87.965 | 1.68619 | 0.00000 | 196358.5 | 153962.8 | 0.0 | U/P |
| 25.217 | 0.0000 | 0.0000 | 87.963 | 1.68541 | 0.00000 | 196358.5 | 154013.4 | 0.0 | U/P |
| 25.225 | 0.0000 | 0.0000 | 87.961 | 1.68464 | 0.00000 | 196358.5 | 154063.9 | 0.0 | U/P |
| 25.233 | 0.0000 | 0.0000 | 87.959 | 1.68386 | 0.00000 | 196358.5 | 154114.4 | 0.0 | U/P |
| 25.242 | 0.0000 | 0.0000 | 87.958 | 1.68309 | 0.00000 | 196358.5 | 154164.9 | 0.0 | U/P |
| 25.250 | 0.0000 | 0.0000 | 87.956 | 1.68232 | 0.00000 | 196358.5 | 154215.4 | 0.0 | U/P |
| 25.258 | 0.0000 | 0.0000 | 87.954 | 1.68154 | 0.00000 | 196358.5 | 154265.9 | 0.0 | U/P |
| 25.267 | 0.0000 | 0.0000 | 87.953 | 1.68077 | 0.00000 | 196358.5 | 154316.3 | 0.0 | U/P |
| 25.275 | 0.0000 | 0.0000 | 87.951 | 1.67999 | 0.00000 | 196358.5 | 154366.7 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Interim Pond $11100 \mathrm{Yr} / 24 \mathrm{Hr}$ w/ overflow from pond 10

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{H}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation ( 1 l datum) | Infiltration Rate ( $\mathrm{n}^{3 / \mathrm{s}}$ ) | Ovenlow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumułative Inflow Volume (fis) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 25.283 | 0.0000 | 0.0000 | 87.949 | 1.67922 | 0.00000 | 196358.5 | 154417.1 | 0.0 | U/P |
| 25.292 | 0.0000 | 0.0000 | 87.947 | 1.67844 | 0.00000 | 196358.5 | 154467.5 | 0.0 | U/P |
| 25.300 | 0.0000 | 0.0000 | 87.946 | 1.67767 | 0.00000 | 196358.5 | 154517.8 | 0.0 | U/P |
| 25.308 | 0.0000 | 0.0000 | 87.944 | 1.67689 | 0.00000 | 196358.5 | 154568.1 | 0.0 | U/P |
| 25.317 | 0.0000 | 0.0000 | 87.942 | 1.67612 | 0.00000 | 196358.5 | 154618.4 | 0.0 | U/P |
| 25.325 | 0.0000 | 0.0000 | 87.940 | 1.67534 | 0.00000 | 196358.5 | 154668.7 | 0.0 | U/P |
| 25.333 | 0.0000 | 0.0000 | 87.939 | 1.67457 | 0.00000 | 196358.5 | 154719.0 | 0.0 | U/P |
| 25.342 | 0.0000 | 0.0000 | 87.937 | 1.67379 | 0.00000 | 196358.5 | 154769.2 | 0.0 | U/P |
| 25.350 | 0.0000 | 0.0000 | 87.935 | 1.67302 | 0.00000 | 196358.5 | 154819.4 | 0.0 | U/P |
| 25.358 | 0.0000 | 0.0000 | 87.933 | 1.67224 | 0.00000 | 196358.5 | 154869.6 | 0.0 | U/P |
| 25.367 | 0.0000 | 0.0000 | 87.932 | 1.67147 | 0.00000 | 196358.5 | 154919.7 | 0.0 | U/P |
| 25.375 | 0.0000 | 0.0000 | 87.930 | 1.67069 | 0.00000 | 196358.5 | 154969.8 | 0.0 | U/P |
| 25.383 | 0.0000 | 0.0000 | 87.928 | 1.66992 | 0.00000 | 196358.5 | 155020.0 | 0.0 | U/P |
| 25.392 | 0.0000 | 0.0000 | 87.926 | 1.66914 | 0.00000 | 196358.5 | 155070.0 | 0.0 | U/P |
| 25.400 | 0.0000 | 0.0000 | 87.925 | 1.66837 | 0.00000 | 196358.5 | 155120.1 | 0.0 | U/P |
| 25.408 | 0.0000 | 0.0000 | 87.923 | 1.66759 | 0.00000 | 196358.5 | 155170.1 | 0.0 | U/P |
| 25.417 | 0.0000 | 0.0000 | 87.921 | 1.66682 | 0.00000 | 196358.5 | 155220.2 | 0.0 | U/P |
| 25.425 | 0.0000 | 0.0000 | 87.920 | 1.66604 | 0.00000 | 196358.5 | 155270.2 | 0.0 | U/P |
| 25.433 | 0.0000 | 0.0000 | 87.918 | 1.66527 | 0.00000 | 196358.5 | 155320.1 | 0.0 | U/P |
| 25.442 | 0.0000 | 0.0000 | 87.916 | 1.66450 | 0.00000 | 196358.5 | 155370.1 | 0.0 | U/P |
| 25.450 | 0.0000 | 0.0000 | 87.914 | 1.66372 | 0.00000 | 196358.5 | 155420.0 | 0.0 | U/P |
| 25.458 | 0.0000 | 0.0000 | 87.913 | 1.66295 | 0.00000 | 196358.5 | 155469.9 | 0.0 | U/P |
| 25.467 | 0.0000 | 0.0000 | 87.911 | 1.66217 | 0.00000 | 196358.5 | 155519.8 | 0.0 | U/P |
| 25.475 | 0.0000 | 0.0000 | 87.909 | 1.66140 | 0.00000 | 196358.5 | 155569.6 | 0.0 | U/P |
| 25.483 | 0.0000 | 0.0000 | 87.907 | 1.66062 | 0.00000 | 196358.5 | 155619.5 | 0.0 | U/P |
| 25.492 | 0.0000 | 0.0000 | 87.906 | 1.65985 | 0.00000 | 196358.5 | 155669.3 | 0.0 | U/P |
| 25.500 | 0.0000 | 0.0000 | 87.904 | 1.65907 | 0.00000 | 196358.5 | 155719.0 | 0.0 | U/P |
| 25.508 | 0.0000 | 0.0000 | 87.902 | 1.65830 | 0.00000 | 196358.5 | 155768.8 | 0.0 | U/P |
| 25.517 | 0.0000 | 0.0000 | 87.900 | 1.65752 | 0.00000 | 196358.5 | 155818.5 | 0.0 | U/P |
| 25.525 | 0.0000 | 0.0000 | 87.899 | 1.65675 | 0.00000 | 196358.5 | 155868.3 | 0.0 | U/P |
| 25.533 | 0.0000 | 0.0000 | 87.897 | 1.65597 | 0.00000 | 196358.5 | 155918.0 | 0.0 | U/P |
| 25.542 | 0.0000 | 0.0000 | 87.895 | 1.65520 | 0.00000 | 196358.5 | 155967.6 | 0.0 | U/P |
| 25.550 | 0.0000 | 0.0000 | 87.893 | 1.65442 | 0.00000 | 196358.5 | 156017.3 | 0.0 | U/P |
| 25.558 | 0.0000 | 0.0000 | 87.892 | 1.65365 | 0.00000 | 196358.5 | 156066.9 | 0.0 | U/P |
| 25.567 | 0.0000 | 0.0000 | 87.890 | 1.65287 | 0.00000 | 196358.5 | 156116.5 | 0.0 | U/P |
| 25.575 | 0.0000 | 0.0000 | 87.888 | 1.65210 | 0.00000 | 196358.5 | 156166.0 | 0.0 | U/P |
| 25.583 | 0.0000 | 0.0000 | 87.887 | 1.65132 | 0.00000 | 196358.5 | 156215.6 | 0.0 | U/P |
| 25.592 | 0.0000 | 0.0000 | 87.885 | 1.65055 | 0.00000 | 196358.5 | 156265.1 | 0.0 | U/P |
| 25.600 | 0.0000 | 0.0000 | 87.883 | 1.64977 | 0.00000 | 196358.5 | 156314.6 | 0.0 | U/P |
| 25.608 | 0.0000 | 0.0000 | 87.881 | 1.64900 | 0.00000 | 196358.5 | 156364.1 | 0.0 | U/P |
| 25.617 | 0.0000 | 0.0000 | 87.880 | 1.64822 | 0.00000 | 196358.5 | 156413.6 | 0.0 | U/P |
| 25.625 | 0.0000 | 0.0000 | 87.878 | 1.64745 | 0.00000 | 196358.5 | 156463.0 | 0.0 | U/P |
| 25.633 | 0.0000 | 0.0000 | 87.876 | 1.64667 | 0.00000 | 196358.5 | 156512.4 | 0.0 | U/P |
| 25.642 | 0.0000 | 0.0000 | 87.874 | 1.64590 | 0.00000 | 196358.5 | 156561.8 | 0.0 | U/P |
| 25,650 | 0.0000 | 0.0000 | 87.873 | 1.64513 | 0.00000 | 196358.5 | 156611.2 | 0.0 | U/P |
| 25.658 | 0.0000 | 0.0000 | 87.871 | 1.64435 | 0.00000 | 196358.5 | 156660.5 | 0.0 | U/P |
| 25.667 | 0.0000 | 0.0000 | 87.869 | 1.64358 | 0.00000 | 196358.5 | 156709.8 | 0.0 | U/P |
| 25.675 | 0.0000 | 0.0000 | 87.867 | 1.64280 | 0.00000 | 196358.5 | 156759.1 | 0.0 | U/P |
| 25.683 | 0.0000 | 0.0000 | 87.866 | 1.64203 | 0.00000 | 196358.5 | 156808.4 | 0.0 | U/P |
| 25.692 | 0.0000 | 0.0000 | 87.864 | 1.64125 | 0.00000 | 196358.5 | 156857.7 | 0.0 | U/P |
| 25.700 | 0.0000 | 0.0000 | 87.862 | 1.64048 | 0.00000 | 196358.5 | 156906.9 | 0.0 | U/P |
| 25.708 | 0.0000 | 0.0000 | 87.860 | 1.63970 | 0.00000 | 196358.5 | 156956.1 | 0.0 | U/P |
| 25.717 | 0.0000 | 0.0000 | 87.859 | 1.63893 | 0.00000 | 196358.5 | 157005.3 | 0.0 | U/P |
| 25.725 | 0.0000 | 0.0000 | 87.857 | 1.63815 | 0.00000 | 196358.5 | 157054.4 | 0.0 | U/P |
| 25.733 | 0.0000 | 0.0000 | 87.855 | 1.63738 | 0.00000 | 196358.5 | 157103.5 | 0.0 | U/P |
| 25.742 | 0.0000 | 0.0000 | 87.854 | 1.63660 | 0.00000 | 196358.5 | 157152.7 | 0.0 | U/P |
| 25.750 | 0.0000 | 0.0000 | 87.852 | 1.63583 | 0.00000 | 196358.5 | 157201.8 | 0.0 | U/P |
| 25.758 | 0.0000 | 0.0000 | 87.850 | 1.63505 | 0.00000 | 196358.5 | 157250.8 | 0.0 | U/P |
| 25.767 | 0.0000 | 0.0000 | 87.848 | 1.63428 | 0.00000 | 196358.5 | 157299.9 | 0.0 | U/P |
| 25.775 | 0.0000 | 0.0000 | 87.847 | 1.63350 | 0.00000 | 196358.5 | 157348.9 | 0.0 | U/P |
| 25.783 | 0.0000 | 0.0000 | 87.845 | 1.63273 | 0.00000 | 196358.5 | 157397.9 | 0.0 | U/P |
| 25.792 | 0.0000 | 0.0000 | 87.843 | 1.63195 | 0.00000 | 196358.5 | 157446.8 | 0.0 | U/P |
| 25.800 | 0.0000 | 0.0000 | 87.841 | 1.63118 | 0.00000 | 196358.5 | 157495.8 | 0.0 | U/P |
| 25.808 | 0.0000 | 0.0000 | 87.840 | 1.63040 | 0.00000 | 196358.5 | 157544.7 | 0.0 | U/P |
| 25.817 | 0.0000 | 0.0000 | 87.838 | 1.62963 | 0.00000 | 196358.5 | 157593.6 | 0.0 | U/P |
| 25.825 | 0.0000 | 0.0000 | 87.836 | 1.62885 | 0.00000 | 196358.5 | 157642.5 | 0.0 | U/P |
| 25.833 | 0.0000 | 0.0000 | 87.834 | 1.62808 | 0.00000 | 196358.5 | 157691.3 | 0.0 | U/P |
| 25.842 | 0.0000 | 0.0000 | 87.833 | 1.62730 | 0.00000 | 196358.5 | 157740.2 | 0.0 | U/P |
| 25.850 | 0.0000 | 0.0000 | 87.831 | 1.62653 | 0.00000 | 196358.5 | 157789.0 | 0.0 | U/P |
| 25.858 | 0.0000 | 0.0000 | 87.829 | 1.62575 | 0.00000 | 196358.5 | 157837.8 | 0.0 | U/P |
| 25.867 | 0.0000 | 0.0000 | 87.827 | 1.62498 | 0.00000 | 196358.5 | 157886.5 | 0.0 | U/P |
| 25.875 | 0.0000 | 0.0000 | 87.826 | 1.62421 | 0.00000 | 196358.5 | 157935.3 | 0.0 | U/P |
| 25.883 | 0.0000 | 0.0000 | 87.824 | 1.62343 | 0.00000 | 196358.5 | 157984.0 | 0.0 | U/P |
| 25.892 | 0.0000 | 0.0000 | 87.822 | 1.62266 | 0.00000 | 196358.5 | 158032.7 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Interim Pond $11100 \mathrm{Yr} / 24 \mathrm{Hr}$ w/ overflow from pond 10

| Elapsed Time (hours) | Inflow Rate <br> ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation ( t datum) | Infiltration Rate ( $f^{3 / 3}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infilitration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 25.900 | 0.0000 | 0.0000 | 87.821 | 1.62188 | 0.00000 | 196358.5 | 158081.3 | 0.0 | U/P |
| 25.908 | 0.0000 | 0.0000 | 87.819 | 1.62111 | 0.00000 | 196358.5 | 158130.0 | 0.0 | U/P |
| 25.917 | 0.0000 | 0.0000 | 87.817 | 1.62033 | 0.00000 | 196358.5 | 158178.6 | 0.0 | U/P |
| 25.925 | 0.0000 | 0.0000 | 87.815 | 1.61956 | 0.00000 | 196358.5 | 158227.2 | 0.0 | U/P |
| 25.933 | 0.0000 | 0.0000 | 87.814 | 1.61878 | 0.00000 | 196358.5 | 158275.8 | 0.0 | U/P |
| 25.942 | 0.0000 | 0.0000 | 87.812 | 1.61801 | 0.00000 | 196358.5 | 158324.3 | 0.0 | U/P |
| 25.950 | 0.0000 | 0.0000 | 87.810 | 1.61723 | 0.00000 | 196358.5 | 158372.8 | 0.0 | U/P |
| 25.958 | 0.0000 | 0.0000 | 87.808 | 1.61646 | 0.00000 | 196358.5 | 158421.4 | 0.0 | U/P |
| 25.967 | 0.0000 | 0.0000 | 87.807 | 1.61568 | 0.00000 | 196358.5 | 158469.8 | 0.0 | U/P |
| 25.975 | 0.0000 | 0.0000 | 87.805 | 1.61491 | 0.00000 | 196358.5 | 158518.3 | 0.0 | U/P |
| 25.983 | 0.0000 | 0.0000 | 87.803 | 1.61413 | 0.00000 | 196358.5 | 158566.7 | 0.0 | U/P |
| 25.992 | 0.0000 | 0.0000 | 87.801 | 1.61336 | 0.00000 | 196358.5 | 158615.1 | 0.0 | U/P |
| 26.000 | 0.0000 | 0.0000 | 87.800 | 1.61258 | 0.00000 | 196358.5 | 158663.5 | 0.0 | U/P |
| 26.008 | 0.0000 | 0.0000 | 87.798 | 1.61181 | 0.00000 | 196358.5 | 758711.9 | 0.0 | U/P |
| 26.017 | 0.0000 | 0.0000 | 87.796 | 1.61103 | 0.00000 | 196358.5 | 158760.3 | 0.0 | U/P |
| 26.025 | 0.0000 | 0.0000 | 87.794 | 1.61026 | 0.00000 | 196358.5 | 158808.6 | 0.0 | U/P |
| 26.033 | 0.0000 | 0.0000 | 87.793 | 1.60948 | 0.00000 | 196358.5 | 158856.9 | 0.0 | U/P |
| 26.042 | 0.0000 | 0.0000 | 87.791 | 1.60871 | 0.00000 | 196358.5 | 158905.1 | 0.0 | U/P |
| 26.050 | 0.0000 | 0.0000 | 87.789 | 1.60793 | 0.00000 | 196358.5 | 158953.4 | 0.0 | U/P |
| 26.058 | 0.0000 | 0.0000 | 87.788 | 1.60716 | 0.00000 | 196358.5 | 159001.6 | 0.0 | U/P |
| 26.067 | 0.0000 | 0.0000 | 87.786 | 1.60638 | 0.00000 | 196358.5 | 159049.8 | 0.0 | U/P |
| 26.075 | 0.0000 | 0.0000 | 87.784 | 1.60561 | 0.00000 | 196358.5 | 159098.0 | 0.0 | U/P |
| 26.083 | 0.0000 | 0.0000 | 87.782 | 1.60484 | 0.00000 | 196358.5 | 159146.1 | 0.0 | U/P |
| 26.092 | 0.0000 | 0.0000 | 87.781 | 1.60406 | 0.00000 | 196358.5 | 159194.3 | 0.0 | U/P |
| 26.100 | 0.0000 | 0.0000 | 87.779 | 1.60329 | 0.00000 | 196358.5 | 159242.4 | 0.0 | U/P |
| 26.108 | 0.0000 | 0,0000 | 87.777 | 1.60251 | 0.00000 | 196358.5 | 159290.5 | 0.0 | U/P |
| 26.117 | 0.0000 | 0.0000 | 87.775 | 1.60174 | 0.00000 | 196358.5 | 159338.5 | 0.0 | U/P |
| 26.125 | 0.0000 | 0.0000 | 87.774 | 1.60096 | 0.00000 | 196358.5 | 159386.6 | 0.0 | U/P |
| 26.133 | 0.0000 | 0.0000 | 87.772 | 1.60019 | 0.00000 | 196358.5 | 159434.6 | 0.0 | U/P |
| 26.142 | 0.0000 | 0.0000 | 87.770 | 1.59941 | 0.00000 | 196358.5 | 159482.6 | 0.0 | U/P |
| 26.150 | 0.0000 | 0.0000 | 87.768 | 1.59864 | 0.00000 | 196358.5 | 159530.6 | 0.0 | U/P |
| 26.158 | 0.0000 | 0.0000 | 87.767 | 1.59786 | 0.00000 | 196358.5 | 159578.5 | 0.0 | U/P |
| 26.167 | 0.0000 | 0.0000 | 87.765 | 1.59709 | 0.00000 | 196358.5 | 159626.4 | 0.0 | U/P |
| 26.175 | 0.0000 | 0.0000 | 87.763 | 1.59631 | 0.00000 | 196358.5 | 159674.3 | 0.0 | U/P |
| 26.183 | 0.0000 | 0.0000 | 87.762 | 1.59554 | 0.00000 | 196358.5 | 159722.2 | 0.0 | U/P |
| 26.192 | 0.0000 | 0.0000 | 87.760 | 1.59476 | 0.00000 | 196358.5 | 159770.1 | 0.0 | U/P |
| 26.200 | 0.0000 | 0.0000 | 87.758 | 1.59399 | 0.00000 | 196358.5 | 159817.9 | 0.0 | U/P |
| 26.208 | 0.0000 | 0.0000 | 87.756 | 1.59321 | 0.00000 | 196358.5 | 159865.7 | 0.0 | U/P |
| 26.217 | 0.0000 | 0.0000 | 87.755 | 1.59244 | 0.00000 | 196358.5 | 159913.5 | 0.0 | U/P |
| 26.225 | 0.0000 | 0.0000 | 87.753 | 1.59166 | 0.00000 | 196358.5 | 159961.3 | 0.0 | U/P |
| 26.233 | 0.0000 | 0.0000 | 87.751 | 1.59089 | 0.00000 | 196358.5 | 160009.0 | 0.0 | U/P |
| 26.242 | 0.0000 | 0.0000 | 87.749 | 1.59011 | 0.00000 | 196358.5 | 160056.7 | 0.0 | U/P |
| 26.250 | 0.0000 | 0.0000 | 87.748 | 1.58934 | 0.00000 | 196358.5 | 160104.4 | 0.0 | U/P |
| 26.258 | 0.0000 | 0.0000 | 87.746 | 1.58856 | 0.00000 | 196358.5 | 160152.1 | 0.0 | U/P |
| 26.267 | 0.0000 | 0.0000 | 87.744 | 1.58779 | 0.00000 | 196358.5 | 160199.7 | 0.0 | U/P |
| 26.275 | 0.0000 | 0.0000 | 87.742 | 1.58701 | 0.00000 | 196358.5 | 160247.3 | 0.0 | U/P |
| 26.283 | 0.0000 | 0.0000 | 87.741 | 1.58624 | 0.00000 | 196358.5 | 160294.9 | 0.0 | U/P |
| 26.292 | 0.0000 | 0.0000 | 87.739 | 1.58547 | 0.00000 | 196358.5 | 160342.5 | 0.0 | U/P |
| 26.300 | 0.0000 | 0.0000 | 87.737 | 1.58469 | 0.00000 | 196358.5 | 160390.1 | 0.0 | U/P |
| 26.308 | 0.0000 | 0.0000 | 87.735 | 1.58392 | 0.00000 | 196358.5 | 160437.6 | 0.0 | U/P |
| 26.317 | 0.0000 | 0.0000 | 87.734 | 1.58314 | 0.00000 | 196358.5 | 160485.1 | 0.0 | U/P |
| 26.325 | 0.0000 | 0.0000 | 87.732 | 1.58237 | 0.00000 | 196358.5 | 160532.6 | 0.0 | U/P |
| 26.333 | 0.0000 | 0.0000 | 87.730 | 1.58159 | 0.00000 | 196358.5 | 160580.0 | 0.0 | U/P |
| 26.342 | 0.0000 | 0.0000 | 87.729 | 1.58082 | 0.00000 | 196358.5 | 160627.5 | 0.0 | U/P |
| 26.350 | 0.0000 | 0.0000 | 87.727 | 1.58004 | 0.00000 | 196358.5 | 160674.9 | 0.0 | U/P |
| 26.358 | 0.0000 | 0.0000 | 87.725 | 1.57927 | 0.00000 | 196358.5 | 160722.3 | 0.0 | U/P |
| 26.367 | 0.0000 | 0.0000 | 87.723 | 1.57849 | 0.00000 | 196358.5 | 160769.6 | 0.0 | U/P |
| 26.375 | 0.0000 | 0.0000 | 87.722 | 1.57772 | 0.00000 | 196358.5 | 160817.0 | 0.0 | U/P |
| 26.383 | 0.0000 | 0.0000 | 87.720 | 1.57694 | 0.00000 | 196358.5 | 160864.3 | 0.0 | U/P |
| 26.392 | 0.0000 | 0.0000 | 87.718 | 1.57617 | 0.00000 | 196358.5 | 160911.6 | 0.0 | U/P |
| 26.400 | 0.0000 | 0.0000 | 87.716 | 1.57539 | 0.00000 | 196358.5 | 160958.9 | 0.0 | U/P |
| 26.408 | 0.0000 | 0.0000 | 87.715 | 1.57462 | 0.00000 | 196358.5 | 161006.1 | 0.0 | U/P |
| 26.417 | 0.0000 | 0.0000 | 87.713 | 1.57384 | 0.00000 | 196358.5 | 161053.4 | 0.0 | U/P |
| 26.425 | 0.0000 | 0.0000 | 87.711 | 1.57307 | 0.00000 | 196358.5 | 161100.6 | 0.0 | U/P |
| 26.433 | 0.0000 | 0.0000 | 87.709 | 1.57229 | 0.00000 | 196358.5 | 161147.7 | 0.0 | U/P |
| 26.442 | 0.0000 | 0.0000 | 87.708 | 1.57152 | 0.00000 | 196358.5 | 161194.9 | 0.0 | U/P |
| 26.450 | 0.0000 | 0.0000 | 87.706 | 1.57074 | 0.00000 | 196358.5 | 161242.0 | 0.0 | U/P |
| 26.458 | 0.0000 | 0.0000 | 87.704 | 1.56997 | 0.00000 | 196358.5 | 161289.1 | 0.0 | U/P |
| 26.467 | 0.0000 | 0.0000 | 87.702 | 1.56919 | 0.00000 | 196358.5 | 161336.2 | 0.0 | U/P |
| 26.475 | 0.0000 | 0.0000 | 87.701 | 1.56842 | 0.00000 | 196358.5 | 161383.3 | 0.0 | U/P |
| 26.483 | 0.0000 | 0.0000 | 87.699 | 1.56764 | 0.00000 | 196358.5 | 161430.3 | 0.0 | U/P |
| 26.492 | 0.0000 | 0.0000 | 87.697 | 1.56687 | 0.00000 | 196358.5 | 161477.3 | 0.0 | U/P |
| 26.500 | 0.0000 | 0.0000 | 87.696 | 1.56609 | 0.00000 | 196358.5 | 161524.3 | 0.0 | U/P |
| 26.508 | 0.0000 | 0.0000 | 87.694 | 1.56532 | 0.00000 | 196358.5 | 161571.3 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Interim Pond $11100 \mathrm{Yr} / 24 \mathrm{Hr}$ w/ overflow from pond 10

| Elapsed Time (hours) | Inflow Rate (fis/s) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infittration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{H}^{3 / 5}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Fiow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 26.517 | 0.0000 | 0.0000 | 87.692 | 1.56455 | 0.00000 | 196358.5 | 161618.3 | 0.0 | U/P |
| 26.525 | 0.0000 | 0.0000 | 87.690 | 1.56377 | 0.00000 | 196358.5 | 161665.2 | 0.0 | U/P |
| 26.533 | 0.0000 | 0.0000 | 87.689 | 1.56300 | 0.00000 | 196358.5 | 161712.1 | 0.0 | U/P |
| 26.542 | 0.0000 | 0.0000 | 87.687 | 1.56222 | 0.00000 | 196358.5 | 161759.0 | 0.0 | U/P |
| 26.550 | 0.0000 | 0.0000 | 87.685 | 1.56145 | 0.00000 | 196358.5 | 161805.8 | 0.0 | U/P |
| 26.558 | 0.0000 | 0.0000 | 87.683 | 1.56067 | 0.00000 | 196358.5 | 161852.7 | 0.0 | U/P |
| 26.567 | 0.0000 | 0.0000 | 87.682 | 1.55990 | 0.00000 | 196358.5 | 161899.5 | 0.0 | U/P |
| 26.575 | 0.0000 | 0.0000 | 87.680 | 1.55912 | 0.00000 | 196358.5 | 161946.3 | 0.0 | U/P |
| 26.583 | 0.0000 | 0.0000 | 87.678 | 1.55835 | 0.00000 | 196358.5 | 161993.0 | 0.0 | U/P |
| 26.592 | 0.0000 | 0.0000 | 87.676 | 1.55757 | 0.00000 | 196358.5 | 162039.8 | 0.0 | U/P |
| 26.600 | 0.0000 | 0.0000 | 87.675 | 1.55680 | 0.00000 | 196358.5 | 162086.5 | 0.0 | U/P |
| 26.608 | 0.0000 | 0.0000 | 87.673 | 1.55602 | 0.00000 | 196358.5 | 162133.2 | 0.0 | U/P |
| 26.617 | 0.0000 | 0.0000 | 87.671 | 1.55525 | 0.00000 | 196358.5 | 162179.8 | 0.0 | U/P |
| 26.625 | 0.0000 | 0.0000 | 87.669 | 1.55447 | 0.00000 | 196358.5 | 162226.5 | 0.0 | U/P |
| 26.633 | 0.0000 | 0.0000 | 87.668 | 1.55370 | 0.00000 | 196358.5 | 162273.1 | 0.0 | U/P |
| 26.642 | 0.0000 | 0.0000 | 87.666 | 1.55292 | 0.00000 | 196358.5 | 162319.7 | 0.0 | U/P |
| 26.650 | 0.0000 | 0.0000 | 87.664 | 1.55215 | 0.00000 | 196358.5 | 162366.3 | 0.0 | U/P |
| 26.658 | 0.0000 | 0.0000 | 87.663 | 1.55137 | 0.00000 | 196358.5 | 162412.8 | 0.0 | U/P |
| 26.667 | 0.0000 | 0.0000 | 87.661 | 1.55060 | 0.00000 | 196358.5 | 162459.4 | 0.0 | U/P |
| 26.675 | 0.0000 | 0.0000 | 87.659 | 1.54982 | 0.00000 | 196358.5 | 162505.9 | 0.0 | U/P |
| 26.683 | 0.0000 | 0.0000 | 87.657 | 1.54905 | 0.00000 | 196358.5 | 162552.3 | 0.0 | U/P |
| 26.692 | 0.0000 | 0.0000 | 87.656 | 1.54827 | 0.00000 | 196358.5 | 162598.8 | 0.0 | U/P |
| 26.700 | 0.0000 | 0.0000 | 87.654 | 1.54750 | 0.00000 | 196358.5 | 162645.2 | 0.0 | U/P |
| 26.708 | 0.0000 | 0.0000 | 87.652 | 1.54672 | 0.00000 | 196358.5 | 162691.7 | 0.0 | U/P |
| 26.717 | 0.0000 | 0.0000 | 87.650 | 1.54595 | 0.00000 | 196358.5 | 162738.0 | 0.0 | U/P |
| 26.725 | 0.0000 | 0.0000 | 87.649 | 1.54517 | 0.00000 | 196358.5 | 162784.4 | 0.0 | U/P |
| 26.733 | 0.0000 | 0.0000 | 87.647 | 1.54440 | 0.00000 | 196358.5 | 162830.8 | 0.0 | U/P |
| 26.742 | 0.0000 | 0.0000 | 87.645 | 1.54363 | 0.00000 | 196358.5 | 162877.1 | 0.0 | U/P |
| 26.750 | 0.0000 | 0.0000 | 87.643 | 1.54285 | 0.00000 | 196358.5 | 162923.4 | 0.0 | U/P |
| 26.758 | 0.0000 | 0.0000 | 87.642 | 1.54208 | 0.00000 | 196358.5 | 162969.6 | 0.0 | U/P |
| 26.767 | 0.0000 | 0.0000 | 87.640 | 1.54130 | 0.00000 | 196358.5 | 163015.9 | 0.0 | U/P |
| 26.775 | 0.0000 | 0.0000 | 87.638 | 1.54053 | 0.00000 | 196358.5 | 163062.1 | 0.0 | U/P |
| 26.783 | 0.0000 | 0.0000 | 87.636 | 1.53975 | 0.00000 | 196358.5 | 163108.3 | 0.0 | U/P |
| 26.792 | 0.0000 | 0.0000 | 87.635 | 1.53898 | 0.00000 | 196358.5 | 163154.5 | 0.0 | U/P |
| 26.800 | 0.0000 | 0.0000 | 87.633 | 1.53820 | 0.00000 | 196358.5 | 163200.7 | 0.0 | U/P |
| 26.808 | 0.0000 | 0.0000 | 87.631 | 1.53743 | 0.00000 | 196358.5 | 163246.8 | 0.0 | U/P |
| 26.817 | 0.0000 | 0.0000 | 87.630 | 1.53665 | 0.00000 | 196358.5 | 163292.9 | 0.0 | U/P |
| 26.825 | 0.0000 | 0.0000 | 87.628 | 1.53588 | 0.00000 | 196358.5 | 163339.0 | 0.0 | U/P |
| 26.833 | 0.0000 | 0.0000 | 87.626 | 1.53510 | 0.00000 | 196358.5 | 163385.1 | 0.0 | U/P |
| 26.842 | 0.0000 | 0.0000 | 87.624 | 1.53433 | 0.00000 | 196358.5 | 163431.1 | 0.0 | U/P |
| 26.850 | 0.0000 | 0.0000 | 87.623 | 1.53355 | 0.00000 | 196358.5 | 163477.1 | 0.0 | U/P |
| 26.858 | 0.0000 | 0.0000 | 87.621 | 1.53278 | 0.00000 | 196358.5 | 163523.1 | 0.0 | U/P |
| 26.867 | 0.0000 | 0.0000 | 87.619 | 1.53200 | 0.00000 | 196358.5 | 163569.1 | 0.0 | U/P |
| 26.875 | 0.0000 | 0.0000 | 87.617 | 1.53123 | 0.00000 | 196358.5 | 163615.0 | 0.0 | U/P |
| 26.883 | 0.0000 | 0.0000 | 87.616 | 1.53045 | 0.00000 | 196358.5 | 163661.0 | 0.0 | U/P |
| 26.892 | 0.0000 | 0.0000 | 87.614 | 1.52968 | 0.00000 | 196358.5 | 163706.9 | 0.0 | U/P |
| 26.900 | 0.0000 | 0.0000 | 87.612 | 1.52890 | 0.00000 | 196358.5 | 163752.8 | 0.0 | U/P |
| 26.908 | 0.0000 | 0.0000 | 87.610 | 1.52813 | 0.00000 | 196358.5 | 163798.6 | 0.0 | U/P |
| 26.917 | 0.0000 | 0.0000 | 87.609 | 1.52735 | 0.00000 | 196358.5 | 163844.4 | 0.0 | U/P |
| 26.925 | 0.0000 | 0.0000 | 87.607 | 1.52658 | 0.00000 | 196358.5 | 163890.2 | 0.0 | U/P |
| 26.933 | 0.0000 | 0.0000 | 87.605 | 1.52580 | 0.00000 | 196358.5 | 163936.0 | 0.0 | U/P |
| 26.942 | 0.0000 | 0.0000 | 87.603 | 1.52503 | 0.00000 | 196358.5 | 163981.8 | 0.0 | U/P |
| 26.950 | 0.0000 | 0.0000 | 87.602 | 1.52425 | 0.00000 | 196358.5 | 164027.5 | 0.0 | U/P |
| 26.958 | 0.0000 | 0.0000 | 87.600 | 1.52348 | 0.00000 | 196358.5 | 164073.3 | 0.0 | U/P |
| 26.967 | 0.0000 | 0.0000 | 87.598 | 1.52271 | 0.00000 | 196358.5 | 164118.9 | 0.0 | U/P |
| 26.975 | 0.0000 | 0.0000 | 87.597 | 1.52193 | 0.00000 | 196358.5 | 164164.6 | 0.0 | U/P |
| 26.983 | 0.0000 | 0.0000 | 87.595 | 1.52116 | 0.00000 | 196358.5 | 164210.3 | 0.0 | U/P |
| 26.992 | 0.0000 | 0.0000 | 87.593 | 1.52038 | 0.00000 | 196358.5 | 164255.9 | 0.0 | U/P |
| 27.000 | 0.0000 | 0.0000 | 87.591 | 1.51961 | 0.00000 | 196358.5 | 164301.5 | 0.0 | U/P |
| 27.008 | 0.0000 | 0.0000 | 87.590 | 1.51883 | 0.00000 | 196358.5 | 164347.0 | 0.0 | U/P |
| 27.017 | 0.0000 | 0.0000 | 87.588 | 1.51806 | 0.00000 | 196358.5 | 164392.6 | 0.0 | U/P |
| 27.025 | 0.0000 | 0.0000 | 87.586 | 1.51728 | 0.00000 | 196358.5 | 164438.1 | 0.0 | U/P |
| 27.033 | 0.0000 | 0.0000 | 87.584 | 1.51651 | 0.00000 | 196358.5 | 164483.6 | 0.0 | U/P |
| 27.042 | 0.0000 | 0.0000 | 87.583 | 1.51573 | 0.00000 | 196358.5 | 164529.1 | 0.0 | U/P |
| 27.050 | 0.0000 | 0.0000 | 87.581 | 1.51496 | 0.00000 | 196358.5 | 164574.6 | 0.0 | U/P |
| 27.058 | 0.0000 | 0.0000 | 87.579 | 1.51418 | 0.00000 | 196358.5 | 164620.0 | 0.0 | U/P |
| 27.067 | 0.0000 | 0.0000 | 87.577 | 1.51341 | 0.00000 | 196358.5 | 164665.4 | 0.0 | U/P |
| 27.075 | 0.0000 | 0.0000 | 87.576 | 1.51263 | 0.00000 | 196358.5 | 164710.8 | 0.0 | U/P |
| 27.083 | 0.0000 | 0.0000 | 87.574 | 1.51186 | 0.00000 | 196358.5 | 164756.2 | 0.0 | U/P |
| 27.092 | 0.0000 | 0.0000 | 87.572 | 1.51108 | 0.00000 | 196358.5 | 164801.5 | 0.0 | U/P |
| 27.100 | 0.0000 | 0.0000 | 87.570 | 1.51031 | 0.00000 | 196358.5 | 164846.9 | 0.0 | U/P |
| 27.108 | 0.0000 | 0.0000 | 87.569 | 1.50953 | 0.00000 | 196358.5 | 164892.2 | 0.0 | U/P |
| 27.117 | 0.0000 | 0.0000 | 87.567 | 1.50876 | 0.00000 | 196358.5 | 164937.4 | 0.0 | U/P |
| 27.125 | 0.0000 | 0.0000 | 87.565 | 1.50798 | 0.00000 | 196358.5 | 164982.7 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Interim Pond $11100 \mathrm{Yr} / 24 \mathrm{Hr}$ w/ overflow from pond 10

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{A}^{3 / 5}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 27.133 | 0.0000 | 0.0000 | 87.564 | 1.50721 | 0.00000 | 196358.5 | 165027.9 | 0.0 | U/P |
| 27.142 | 0.0000 | 0.0000 | 87.562 | 1.50643 | 0.00000 | 196358.5 | 165073.1 | 0.0 | U/P |
| 27.150 | 0.0000 | 0.0000 | 87.560 | 1.50566 | 0.00000 | 196358.5 | 165118.3 | 0.0 | U/P |
| 27.158 | 0.0000 | 0.0000 | 87.558 | 1.50488 | 0.00000 | 196358.5 | 165163.5 | 0.0 | U/P |
| 27.167 | 0.0000 | 0.0000 | 87.557 | 1.50411 | 0.00000 | 196358.5 | 165208.6 | 0.0 | U/P |
| 27.175 | 0.0000 | 0.0000 | 87.555 | 1.50333 | 0.00000 | 196358.5 | 165253.7 | 0.0 | U/P |
| 27.183 | 0.0000 | 0.0000 | 87.553 | 1.50256 | 0.00000 | 196358.5 | 165298.8 | 0.0 | U/P |
| 27.192 | 0.0000 | 0.0000 | 87.551 | 1.50179 | 0.00000 | 196358.5 | 165343.9 | 0.0 | U/P |
| 27.200 | 0.0000 | 0.0000 | 87.550 | 1.50101 | 0.00000 | 196358.5 | 165388.9 | 0.0 | U/P |
| 27.208 | 0.0000 | 0.0000 | 87.548 | 1.50024 | 0.00000 | 196358.5 | 165433.9 | 0.0 | U/P |
| 27.217 | 0.0000 | 0.0000 | 87.546 | 1.49946 | 0.00000 | 196358.5 | 165478.9 | 0.0 | U/P |
| 27.225 | 0.0000 | 0.0000 | 87.544 | 1.49869 | 0.00000 | 196358.5 | 165523.9 | 0.0 | U/P |
| 27.233 | 0.0000 | 0.0000 | 87.543 | 1.49791 | 0.00000 | 196358.5 | 165568.8 | 0.0 | U/P |
| 27.242 | 0.0000 | 0.0000 | 87.541 | 1.49714 | 0.00000 | 196358.5 | 165613.8 | 0.0 | U/P |
| 27.250 | 0.0000 | 0.0000 | 87.539 | 1.49636 | 0.00000 | 196358.5 | 165658.7 | 0.0 | U/P |
| 27.258 | 0.0000 | 0.0000 | 87.537 | 1.49559 | 0.00000 | 196358.5 | 165703.5 | 0.0 | U/P |
| 27.267 | 0.0000 | 0.0000 | 87.536 | 1.49481 | 0.00000 | 196358.5 | 165748.4 | 0.0 | U/P |
| 27.275 | 0.0000 | 0.0000 | 87.534 | 1.49404 | 0.00000 | 196358.5 | 165793.2 | 0.0 | U/P |
| 27.283 | 0.0000 | 0.0000 | 87.532 | 1.49326 | 0.00000 | 196358.5 | 165838.0 | 0.0 | U/P |
| 27.292 | 0.0000 | 0.0000 | 87.531 | 1.49249 | 0.00000 | 196358.5 | 165882.8 | 0.0 | U/P |
| 27.300 | 0.0000 | 0.0000 | 87.529 | $\uparrow .49171$ | 0.00000 | 196358.5 | 165927.6 | 0.0 | U/P |
| 27.308 | 0.0000 | 0.0000 | 87.527 | 1.49094 | 0.00000 | 196358.5 | 165972.3 | 0.0 | U/P |
| 27.317 | 0.0000 | 0.0000 | 87.525 | 1.49016 | 0.00000 | 196358.5 | 166017.0 | 0.0 | U/P |
| 27.325 | 0.0000 | 0.0000 | 87.524 | 1.48939 | 0.00000 | 196358.5 | 166061.7 | 0.0 | U/P |
| 27.333 | 0.0000 | 0.0000 | 87.522 | 1.48861 | 0.00000 | 196358.5 | 166106.4 | 0.0 | U/P |
| 27.342 | 0.0000 | 0.0000 | 87.520 | 1.48784 | 0.00000 | 196358.5 | 166151.0 | 0.0 | U/P |
| 27.350 | 0.0000 | 0.0000 | 87.518 | 1.48706 | 0.00000 | 196358.5 | 166195.7 | 0.0 | U/P |
| 27.358 | 0.0000 | 0.0000 | 87.517 | 1.48629 | 0.00000 | 196358.5 | 166240.3 | 0.0 | U/P |
| 27.367 | 0.0000 | 0.0000 | 87.515 | 1.48551 | 0.00000 | 196358.5 | 166284.9 | 0.0 | U/P |
| 27.375 | 0.0000 | 0.0000 | 87.513 | 1.48474 | 0.00000 | 196358.5 | 166329.4 | 0.0 | U/P |
| 27.383 | 0.0000 | 0.0000 | 87.511 | 1.48396 | 0.00000 | 196358.5 | 166373.9 | 0.0 | U/P |
| 27.392 | 0.0000 | 0.0000 | 87.510 | 1.48319 | 0.00000 | 196358.5 | 166418.4 | 0.0 | U/P |
| 27.400 | 0.0000 | 0.0000 | 87.508 | 1.48241 | 0.00000 | 196358.5 | 166462.9 | 0.0 | U/P |
| 27.408 | 0.0000 | 0.0000 | 87.506 | 1.48164 | 0.00000 | 196358.5 | 166507.4 | 0.0 | U/P |
| 27.417 | 0.0000 | 0.0000 | 87.504 | 1.48087 | 0.00000 | 196358.5 | 166551.8 | 0.0 | U/P |
| 27.425 | 0.0000 | 0.0000 | 87.503 | 1.48009 | 0.00000 | 196358.5 | 166596.2 | 0.0 | U/P |
| 27.433 | 0.0000 | 0.0000 | 87.501 | 1.47932 | 0.00000 | 196358.5 | 166640.6 | 0.0 | U/P |
| 27.442 | 0.0000 | 0.0000 | 87.499 | 1.47854 | 0.00000 | 196358.5 | 166685.0 | 0.0 | U/P |
| 27.450 | 0.0000 | 0.0000 | 87.498 | 1.47777 | 0.00000 | 196358.5 | 166729.3 | 0.0 | U/P |
| 27.458 | 0.0000 | 0.0000 | 87.496 | 1.47699 | 0.00000 | 196358.5 | 166773.7 | 0.0 | U/P |
| 27.467 | 0.0000 | 0.0000 | 87.494 | 1.47622 | 0.00000 | 196358.5 | 166818.0 | 0.0 | U/P |
| 27.475 | 0.0000 | 0.0000 | 87.492 | 1.47544 | 0.00000 | 196358.5 | 166862.2 | 0.0 | U/P |
| 27.483 | 0.0000 | 0.0000 | 87.491 | \}.47467 | 0.00000 | 196358.5 | 166906.5 | 0.0 | U/P |
| 27.492 | 0.0000 | 0.0000 | 87.489 | 1.47389 | 0.00000 | 196358.5 | 166950.7 | 0.0 | U/P |
| 27.500 | 0.0000 | 0.0000 | 87.487 | 1.47312 | 0.00000 | 196358.5 | 166994.9 | 0.0 | U/P |
| 27.508 | 0.0000 | 0.0000 | 87.485 | 1.47234 | 0.00000 | 196358.5 | 167039.1 | 0.0 | U/P |
| 27.517 | 0.0000 | 0.0000 | 87.484 | 1.47157 | 0.00000 | 196358.5 | 167083.3 | 0.0 | U/P |
| 27.525 | 0.0000 | 0.0000 | 87.482 | 1.47079 | 0.00000 | 196358.5 | 167127.4 | 0.0 | U/P |
| 27.533 | 0.0000 | 0.0000 | 87.480 | 1.47002 | 0.00000 | 196358.5 | 167171.5 | 0.0 | U/P |
| 27.542 | 0.0000 | 0.0000 | 87.478 | 1.46924 | 0.00000 | 196358.5 | 167215.6 | 0.0 | U/P |
| 27.550 | 0.0000 | 0.0000 | 87.477 | 1.46847 | 0.00000 | 196358.5 | 167259.7 | 0.0 | U/P |
| 27.558 | 0.0000 | 0.0000 | 87.475 | 1.46769 | 0.00000 | 196358.5 | 167303.7 | 0.0 | U/P |
| 27.567 | 0.0000 | 0.0000 | 87.473 | 1.46692 | 0.00000 | 196358.5 | 167347.7 | 0.0 | U/P |
| 27.575 | 0.0000 | 0.0000 | 87.472 | 1.46614 | 0.00000 | 196358.5 | 167391.7 | 0.0 | U/P |
| 27.583 | 0.0000 | 0.0000 | 87.470 | 1.46537 | 0.00000 | 196358.5 | 167435.7 | 0.0 | U/P |
| 27.592 | 0.0000 | 0.0000 | 87.468 | 1.46459 | 0.00000 | 196358.5 | 167479.6 | 0.0 | U/P |
| 27.600 | 0.0000 | 0.0000 | 87.466 | 1.46382 | 0.00000 | 196358.5 | 167523.6 | 0.0 | U/P |
| 27.608 | 0.0000 | 0.0000 | 87.465 | 1.46304 | 0.00000 | 196358.5 | 167567.5 | 0.0 | U/P |
| 27.617 | 0.0000 | 0.0000 | 87.463 | 1.46227 | 0.00000 | 196358.5 | 167611.4 | 0.0 | U/P |
| 27.625 | 0.0000 | 0.0000 | 87.461 | 1.46149 | 0.00000 | 196358.5 | 167655.2 | 0.0 | U/P |
| 27.633 | 0.0000 | 0.0000 | 87.459 | 1.46072 | 0.00000 | 196358.5 | 167699.0 | 0.0 | U/P |
| 27.642 | 0.0000 | 0.0000 | 87.458 | 1.45994 | 0.00000 | 196358.5 | 167742.9 | 0.0 | U/P |
| 27.650 | 0.0000 | 0.0000 | 87.456 | 1.45917 | 0.00000 | 196358.5 | 167786.6 | 0.0 | U/P |
| 27.658 | 0.0000 | 0.0000 | 87.454 | 1.45840 | 0.00000 | 196358.5 | 167830.4 | 0.0 | U/P |
| 27.667 | 0.0000 | 0.0000 | 87.452 | 1.45762 | 0.00000 | 196358.5 | 167874.1 | 0.0 | U/P |
| 27.675 | 0.0000 | 0.0000 | 87.451 | 1.45685 | 0.00000 | 196358.5 | 167917.9 | 0.0 | U/P |
| 27.683 | 0.0000 | 0.0000 | 87.449 | 1.45607 | 0.00000 | 196358.5 | 167961.6 | 0.0 | U/P |
| 27.692 | 0.0000 | 0.0000 | 87.447 | 1.45530 | 0.00000 | 196358.5 | 168005.2 | 0.0 | U/P |
| 27.700 | 0.0000 | 0.0000 | 87.445 | 1.45452 | 0.00000 | 196358.5 | 168048.9 | 0.0 | U/P |
| 27.708 | 0.0000 | 0.0000 | 87.444 | 1.45375 | 0.00000 | 196358.5 | 168092.5 | 0.0 | U/P |
| 27.717 | 0.0000 | 0.0000 | 87.442 | 1.45297 | 0.00000 | 196358.5 | 168136.1 | 0.0 | U/P |
| 27.725 | 0.0000 | 0.0000 | 87.440 | 1.45220 | 0.00000 | 196358.5 | 168179.7 | 0.0 | U/P |
| 27.733 | 0.0000 | 0.0000 | 87.439 | 1.45142 | 0.00000 | 196358.5 | 168223.2 | 0.0 | U/P |
| 27.742 | 0.0000 | 0.0000 | 87.437 | 1.45065 | 0.00000 | 196358.5 | 168266.8 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Interim Pond $11100 \mathrm{Yr} / 24 \mathrm{Hr}$ w/ overflow from pond 10

| Elapsed Time (hours) | infiow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{t}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 27.750 | 0.0000 | 0.0000 | 87.435 | 1.44987 | 0.00000 | 196358.5 | 168310.3 | 0.0 | U/P |
| 27.758 | 0.0000 | 0.0000 | 87.433 | 1.44910 | 0.00000 | 196358.5 | 168353.8 | 0.0 | U/P |
| 27.767 | 0.0000 | 0.0000 | 87.432 | 1.44832 | 0.00000 | 196358.5 | 168397.2 | 0.0 | U/P |
| 27.775 | 0.0000 | 0.0000 | 87.430 | 1.44755 | 0.00000 | 196358.5 | 168440.7 | 0.0 | U/P |
| 27.783 | 0.0000 | 0.0000 | 87.428 | 1.44677 | 0.00000 | 196358.5 | 168484.1 | 0.0 | U/P |
| 27.792 | 0.0000 | 0.0000 | 87.426 | 1.44600 | 0.00000 | 196358.5 | 168527.5 | 0.0 | U/P |
| 27.800 | 0.0000 | 0.0000 | 87.425 | 1.44522 | 0.00000 | 196358.5 | 168570.8 | 0.0 | U/P |
| 27.808 | 0.0000 | 0.0000 | 87.423 | 1.44445 | 0.00000 | 196358.5 | 168614.2 | 0.0 | U/P |
| 27.817 | 0.0000 | 0.0000 | 87.421 | 1.44367 | 0.00000 | 196358.5 | 168657.5 | 0.0 | U/P |
| 27.825 | 0.0000 | 0.0000 | 87.419 | 1.44290 | 0.00000 | 196358.5 | 168700.8 | 0.0 | U/P |
| 27.833 | 0.0000 | 0.0000 | 87.418 | 1.44212 | 0.00000 | 196358.5 | 168744.1 | 0.0 | U/P |
| 27.842 | 0.0000 | 0.0000 | 87.416 | 1.44135 | 0.00000 | 196358.5 | 168787.3 | 0.0 | U/P |
| 27.850 | 0.0000 | 0.0000 | 87.414 | 1.44057 | 0.00000 | 196358.5 | 168830.5 | 0.0 | U/P |
| 27.858 | 0.0000 | 0.0000 | 87.412 | 1.43980 | 0.00000 | 196358.5 | 168873.8 | 0.0 | U/P |
| 27.867 | 0.0000 | 0.0000 | 87.411 | 1.43902 | 0.00000 | 196358.5 | 168916.9 | 0.0 | U/P |
| 27.875 | 0.0000 | 0.0000 | 87.409 | 1.43825 | 0.00000 | 196358.5 | 168960.1 | 0.0 | U/P |
| 27.883 | 0.0000 | 0.0000 | 87.407 | 1.43747 | 0.00000 | 196358.5 | 169003.2 | 0.0 | U/P |
| 27.892 | 0.0000 | 0.0000 | 87.406 | 1.43670 | 0.00000 | 196358.5 | 169046.3 | 0.0 | U/P |
| 27.900 | 0.0000 | 0.0000 | 87.404 | 1.43593 | 0.00000 | 196358.5 | 169089.4 | 0.0 | U/P |
| 27.908 | 0.0000 | 0.0000 | 87.402 | 1.43515 | 0.00000 | 196358.5 | 169132.5 | 0.0 | U/P |
| 27.917 | 0.0000 | 0.0000 | 87.400 | 1.43438 | 0.00000 | 196358.5 | 169175.5 | 0.0 | U/P |
| 27.925 | 0.0000 | 0.0000 | 87.399 | 1.43360 | 0.00000 | 196358.5 | 169218.6 | 0.0 | U/P |
| 27.933 | 0.0000 | 0.0000 | 87.397 | 1.43283 | 0.00000 | 196358.5 | 169261.6 | 0.0 | U/P |
| 27.942 | 0.0000 | 0.0000 | 87.395 | 1.43205 | 0.00000 | 196358.5 | 169304.5 | 0.0 | U/P |
| 27.950 | 0.0000 | 0.0000 | 87.393 | 1.43128 | 0.00000 | 196358.5 | 169347.5 | 0.0 | U/P |
| 27.958 | 0.0000 | 0.0000 | 87.392 | 1.43050 | 0.00000 | $\dagger 96358.5$ | 169390.4 | 0.0 | U/P |
| 27.967 | 0.0000 | 0.0000 | 87.390 | 1.42973 | 0.00000 | 196358.5 | 169433.3 | 0.0 | U/P |
| 27.975 | 0.0000 | 0.0000 | 87.388 | 1.42895 | 0.00000 | 196358.5 | 169476.2 | 0.0 | U/P |
| 27.983 | 0.0000 | 0.0000 | 87.386 | 1.42818 | 0.00000 | 196358.5 | 169519.0 | 0.0 | U/P |
| 27.992 | 0.0000 | 0.0000 | 87.385 | 1.42740 | 0.00000 | 196358.5 | 169561.9 | 0.0 | U/P |
| 28.000 | 0.0000 | 0.0000 | 87.383 | 1.42663 | 0.00000 | 196358.5 | 169604.7 | 0.0 | U/P |
| 28.008 | 0.0000 | 0.0000 | 87.381 | 1.42585 | 0.00000 | 196358.5 | 169647.5 | 0.0 | U/P |
| 28.017 | 0.0000 | 0.0000 | 87.379 | 1.42508 | 0.00000 | 196358.5 | 169690.3 | 0.0 | U/P |
| 28.025 | 0.0000 | 0.0000 | 87.378 | 1.42430 | 0.00000 | 196358.5 | 169733.0 | 0.0 | U/P |
| 28.033 | 0.0000 | 0.0000 | 87.376 | 1.42353 | 0.00000 | 196358.5 | 169775.7 | 0.0 | U/P |
| 28.042 | 0.0000 | 0.0000 | 87.374 | 1.42275 | 0.00000 | 196358.5 | 169818.4 | 0.0 | U/P |
| 28.050 | 0.0000 | 0.0000 | 87.373 | $1.42 \ddagger 98$ | 0.00000 | 196358.5 | 169861.1 | 0.0 | U/P |
| 28.058 | 0.0000 | 0.0000 | 87.371 | 1.42120 | 0.00000 | 196358.5 | 169903.7 | 0.0 | U/P |
| 28.067 | 0.0000 | 0.0000 | 87.369 | 1.42043 | 0.00000 | 196358.5 | 169946.3 | 0.0 | U/P |
| 28.075 | 0.0000 | 0.0000 | 87.367 | 1.41965 | 0.00000 | 196358.5 | 169988.9 | 0.0 | U/P |
| 28.083 | 0.0000 | 0.0000 | 87.366 | 1.41888 | 0.00000 | 196358.5 | 170031.5 | 0.0 | U/P |
| 28.092 | 0.0000 | 0.0000 | 87.364 | 1.41810 | 0.00000 | 196358.5 | 170074.1 | 0.0 | U/P |
| 28.100 | 0.0000 | 0.0000 | 87.362 | 1.41733 | 0.00000 | 196358.5 | 170116.6 | 0.0 | U/P |
| 28.108 | 0.0000 | 0.0000 | 87.360 | 1.41655 | 0.00000 | 196358.5 | 170159.1 | 0.0 | U/P |
| 28.117 | 0.0000 | 0.0000 | 87.359 | 1.41578 | 0.00000 | 196358.5 | 170201.6 | 0.0 | U/P |
| 28.125 | 0.0000 | 0.0000 | 87.357 | 1.41500 | 0.00000 | 196358.5 | 170244.1 | 0.0 | U/P |
| 28.133 | 0.0000 | 0.0000 | 87.355 | 1.41423 | 0.00000 | 196358.5 | 170286.5 | 0.0 | U/P |
| 28.142 | 0.0000 | 0.0000 | 87.353 | 1.41346 | 0.00000 | 196358.5 | 170328.9 | 0.0 | U/P |
| 28.150 | 0.0000 | 0.0000 | 87.352 | 1.41268 | 0.00000 | 196358.5 | 170371.3 | 0.0 | U/P |
| 28.158 | 0.0000 | 0.0000 | 87.350 | 1.41191 | 0.00000 | 196358.5 | 170413.7 | 0.0 | U/P |
| 28.167 | 0.0000 | 0.0000 | 87.348 | 1.41113 | 0.00000 | 196358.5 | 170456.0 | 0.0 | U/P |
| 28.175 | 0.0000 | 0.0000 | 87.346 | 1.41036 | 0.00000 | 196358.5 | 170498.3 | 0.0 | U/P |
| 28.183 | 0.0000 | 0.0000 | 87.345 | 1.40958 | 0.00000 | 196358.5 | 170540.6 | 0.0 | U/P |
| 28.192 | 0.0000 | 0.0000 | 87.343 | 1.40881 | 0.00000 | 196358.5 | 170582.9 | 0.0 | U/P |
| 28.200 | 0.0000 | 0.0000 | 87.341 | 1.40803 | 0.00000 | 196358.5 | 170625.2 | 0.0 | U/P |
| 28.208 | 0.0000 | 0.0000 | 87.340 | 1.40726 | 0.00000 | 196358.5 | 170667.4 | 0.0 | U/P |
| 28.217 | 0.0000 | 0.0000 | 87.338 | 1.40648 | 0.00000 | 196358.5 | 170709.6 | 0.0 | U/P |
| 28.225 | 0.0000 | 0.0000 | 87.336 | 1.40571 | 0.00000 | 196358.5 | 170751.8 | 0.0 | U/P |
| 28.233 | 0.0000 | 0.0000 | 87.334 | 1.40493 | 0.00000 | 196358.5 | 170794.0 | 0.0 | U/P |
| 28.242 | 0.0000 | 0.0000 | 87.333 | 1.40416 | 0.00000 | 196358.5 | 170836.1 | 0.0 | U/P |
| 28.250 | 0.0000 | 0.0000 | 87.331 | 1.40338 | 0.00000 | 196358.5 | 170878.2 | 0.0 | U/P |
| 28.258 | 0.0000 | 0.0000 | 87.329 | 1.40261 | 0.00000 | 196358.5 | 170920.3 | 0.0 | U/P |
| 28.267 | 0.0000 | 0.0000 | 87.327 | 1.40183 | 0.00000 | 196358.5 | 170962.4 | 0.0 | U/P |
| 28.275 | 0.0000 | 0.0000 | 87.326 | 1.40106 | 0.00000 | 196358.5 | 171004.4 | 0.0 | U/P |
| 28.283 | 0.0000 | 0.0000 | 87.324 | 1.40028 | 0.00000 | 196358.5 | 171046.4 | 0.0 | U/P |
| 28.292 | 0.0000 | 0.0000 | 87.322 | 1.39951 | 0.00000 | 196358.5 | 171088.4 | 0.0 | U/P |
| 28.300 | 0.0000 | 0.0000 | 87.320 | 1.39873 | 0.00000 | 196358.5 | 171130.4 | 0.0 | U/P |
| 28.308 | 0.0000 | 0.0000 | 87.319 | 1.39796 | 0.00000 | 196358.5 | 171172.3 | 0.0 | U/P |
| 28.317 | 0.0000 | 0.0000 | 87.317 | 1.39718 | 0.00000 | 196358.5 | 171214.3 | 0.0 | U/P |
| 28.325 | 0.0000 | 0.0000 | 87.315 | 1.39641 | 0.00000 | 196358.5 | 171256.2 | 0.0 | U/P |
| 28.333 | 0.0000 | 0.0000 | 87.313 | 1.39563 | 0.00000 | 196358.5 | 171298.0 | 0.0 | U/P |
| 28.342 | 0.0000 | 0.0000 | 87.312 | 1.39486 | 0.00000 | 196358.5 | 171339.9 | 0.0 | U/P |
| 28.350 | 0.0000 | 0.0000 | 87.310 | 1.39408 | 0.00000 | 196358.5 | 171381.7 | 0.0 | U/P |
| 28.358 | 0.0000 | 0.0000 | 87.308 | 1.39331 | 0.00000 | 196358.5 | 171423.5 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Interim Pond 11100 Yr/24 Hr w/overflow from pond 10

| Elapsed Time (hours) | inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (fl/day) | Stage Elevation (II datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Oventow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 28.367 | 0.0000 | 0.0000 | 87.307 | 1.39253 | 0.00000 | 196358.5 | 171465.3 | 0.0 | U/P |
| 28.375 | 0.0000 | 0.0000 | 87.305 | 1.39176 | 0.00000 | 196358.5 | 171507.1 | 0.0 | U/P |
| 28.383 | 0.0000 | 0.0000 | 87.303 | 1.39099 | 0.00000 | 196358.5 | 171548.8 | 0.0 | U/P |
| 28.392 | 0.0000 | 0.0000 | 87.301 | 1.39021 | 0.00000 | 196358.5 | 171590,6 | 0.0 | U/P |
| 28.400 | 0.0000 | 0.0000 | 87.300 | 1.38944 | 0.00000 | 196358.5 | 171632.3 | 0.0 | U/P |
| 28.408 | 0.0000 | 0.0000 | 87.298 | 1.38866 | 0.00000 | 196358.5 | 171673.9 | 0.0 | U/P |
| 28.417 | 0.0000 | 0.0000 | 87.296 | 1.38789 | 0.00000 | 196358.5 | 171715.6 | 0.0 | U/P |
| 28.425 | 0.0000 | 0.0000 | 87.294 | 1.38711 | 0.00000 | 196358.5 | 171757.2 | 0.0 | U/P |
| 28.433 | 0.0000 | 0.0000 | 87.293 | 1.38634 | 0.00000 | 196358.5 | 171798.8 | 0.0 | U/P |
| 28.442 | 0.0000 | 0.0000 | 87.291 | 1.38556 | 0.00000 | 196358.5 | 171840.4 | 0.0 | U/P |
| 28.450 | 0.0000 | 0.0000 | 87.289 | 1.38479 | 0.00000 | 196358.5 | 171881.9 | 0.0 | U/P |
| 28.458 | 0.0000 | 0.0000 | 87.287 | 1.38401 | 0.00000 | 196358.5 | 171923.5 | 0.0 | U/P |
| 28.467 | 0.0000 | 0.0000 | 87.286 | 1.38324 | 0.00000 | 196358.5 | 171965.0 | 0.0 | U/P |
| 28.475 | 0.0000 | 0.0000 | 87.284 | 1.38246 | 0.00000 | 196358.5 | 172006.5 | 0.0 | U/P |
| 28.483 | 0.0000 | 0.0000 | 87.282 | 1.38169 | 0.00000 | 196358.5 | 172047.9 | 0.0 | U/P |
| 28.492 | 0.0000 | 0.0000 | 87.280 | 1.38091 | 0.00000 | 196358.5 | 172089.4 | 0.0 | U/P |
| 28.500 | 0.0000 | 0.0000 | 87.279 | 1.38014 | 0.00000 | 196358.5 | 172130.8 | 0.0 | U/P |
| 28.508 | 0.0000 | 0.0000 | 87.277 | 1.37936 | 0.00000 | 196358.5 | 172172.2 | 0.0 | U/P |
| 28.517 | 0.0000 | 0.0000 | 87.275 | 1.37859 | 0.00000 | 196358.5 | 172213.5 | 0.0 | U/P |
| 28.525 | 0.0000 | 0.0000 | 87.274 | $\uparrow .37781$ | 0.00000 | 196358.5 | 172254.9 | 0.0 | U/P |
| 28.533 | 0.0000 | 0.0000 | 87.272 | 1.37704 | 0.00000 | 196358.5 | 172296.2 | 0.0 | U/P |
| 28.542 | 0.0000 | 0.0000 | 87.270 | 1.37626 | 0.00000 | 196358.5 | 172337.5 | 0.0 | U/P |
| 28.550 | 0.0000 | 0.0000 | 87.268 | 1.37549 | 0.00000 | 196358.5 | 172378.8 | 0.0 | U/P |
| 28.558 | 0.0000 | 0.0000 | 87.267 | $\uparrow .37471$ | 0.00000 | 196358.5 | 172420.0 | 0.0 | U/P |
| 28.567 | 0.0000 | 0.0000 | 87.265 | 1.37394 | 0.00000 | 196358.5 | 172461.3 | 0.0 | U/P |
| 28.575 | 0.0000 | 0.0000 | 87.263 | 1.37316 | 0.00000 | 196358.5 | 172502.5 | 0.0 | U/P |
| 28.583 | 0.0000 | 0.0000 | 87.261 | 1.37239 | 0.00000 | 196358.5 | 172543.7 | 0.0 | U/P |
| 28.592 | 0.0000 | 0.0000 | 87.260 | 1.37161 | 0.00000 | 196358.5 | 172584.8 | 0.0 | U/P |
| 28.600 | 0.0000 | 0.0000 | 87.258 | 1.37084 | 0.00000 | 196358.5 | 172626.0 | 0.0 | U/P |
| 28.608 | 0.0000 | 0.0000 | 87.256 | 1.37006 | 0.00000 | 196358.5 | 172667.1 | 0.0 | U/P |
| 28.617 | 0.0000 | 0.0000 | 87.254 | 1.36929 | 0.00000 | 196358.5 | 172708.2 | 0.0 | U/P |
| 28.625 | 0.0000 | 0.0000 | 87.253 | 1.36851 | 0.00000 | 196358.5 | 172749.2 | 0.0 | U/P |
| 28.633 | 0.0000 | 0.0000 | 87.251 | 1.36774 | 0.00000 | 196358.5 | 172790.3 | 0.0 | U/P |
| 28.642 | 0.0000 | 0.0000 | 87.249 | 1.36697 | 0.00000 | 196358.5 | 172831.3 | 0.0 | U/P |
| 28.650 | 0.0000 | 0.0000 | 87.247 | 1.36619 | 0.00000 | 196358.5 | 172872.3 | 0.0 | U/P |
| 28.658 | 0.0000 | 0.0000 | 87.246 | 1.36542 | 0.00000 | 196358.5 | 172913.3 | 0.0 | U/P |
| 28.667 | 0.0000 | 0.0000 | 87.244 | 1.36464 | 0.00000 | 196358.5 | 172954.2 | 0.0 | U/P |
| 28.675 | 0.0000 | 0.0000 | 87.242 | 1.36387 | 0.00000 | 196358.5 | 172995.1 | 0.0 | U/P |
| 28.683 | 0.0000 | 0.0000 | 87.241 | 1.36309 | 0.00000 | 196358.5 | 173036.0 | 0.0 | U/P |
| 28.692 | 0.0000 | 0.0000 | 87.239 | 1.36232 | 0.00000 | 196358.5 | 173076.9 | 0.0 | U/P |
| 28.700 | 0.0000 | 0.0000 | 87.237 | 1.36154 | 0.00000 | 196358.5 | 173117.8 | 0.0 | U/P |
| 28.708 | 0.0000 | 0.0000 | 87.235 | 1.36077 | 0.00000 | 196358.5 | 173158.6 | 0.0 | U/P |
| 28.717 | 0.0000 | 0.0000 | 87.234 | 1.35999 | 0.00000 | 196358.5 | 173199.4 | 0.0 | U/P |
| 28.725 | 0.0000 | 0.0000 | 87.232 | 1.35922 | 0.00000 | 196358.5 | 173240.2 | 0.0 | U/P |
| 28.733 | 0.0000 | 0.0000 | 87.230 | 1.35844 | 0.00000 | 196358.5 | 173281.0 | 0.0 | U/P |
| 28.742 | 0.0000 | 0.0000 | 87.228 | 1.35767 | 0.00000 | 196358.5 | 173321.7 | 0.0 | U/P |
| 28.750 | 0.0000 | 0.0000 | 87.227 | 1.35689 | 0.00000 | 196358.5 | 173362.4 | 0.0 | U/P |
| 28.758 | 0.0000 | 0.0000 | 87.225 | 1.35612 | 0.00000 | 196358.5 | 173403.1 | 0.0 | U/P |
| 28.767 | 0.0000 | 0.0000 | 87.223 | 1.35534 | 0.00000 | 196358.5 | 173443.8 | 0.0 | U/P |
| 28.775 | 0.0000 | 0.0000 | 87.221 | 1.35457 | 0.00000 | 196358.5 | 173484.5 | 0.0 | U/P |
| 28.783 | 0.0000 | 0.0000 | 87.220 | 1.35379 | 0.00000 | 196358.5 | 173525.1 | 0.0 | U/P |
| 28.792 | 0.0000 | 0.0000 | 87.218 | 1.35302 | 0.00000 | 196358.5 | 173565.7 | 0.0 | U/P |
| 28.800 | 0.0000 | 0.0000 | 87.216 | 1.35224 | 0.00000 | 196358.5 | 173606.3 | 0.0 | U/P |
| 28.808 | 0.0000 | 0.0000 | 87.214 | 1.35147 | 0.00000 | 196358.5 | 173646.8 | 0.0 | U/P |
| 28.817 | 0.0000 | 0.0000 | 87.213 | 1.35069 | 0.00000 | 196358.5 | 173687.4 | 0.0 | U/P |
| 28.825 | 0.0000 | 0.0000 | 87.211 | 1.34992 | 0.00000 | 196358.5 | 173727.9 | 0.0 | U/P |
| 28.833 | 0.0000 | 0.0000 | 87.209 | 1.34914 | 0.00000 | 196358.5 | 173768.3 | 0.0 | U/P |
| 28.842 | 0.0000 | 0.0000 | 87.208 | 1.34837 | 0.00000 | 196358.5 | 173808.8 | 0.0 | U/P |
| 28.850 | 0.0000 | 0.0000 | 87.206 | 1.34759 | 0.00000 | 196358.5 | 173849.3 | 0.0 | U/P |
| 28.858 | 0.0000 | 0.0000 | 87.204 | 1.34682 | 0.00000 | 196358.5 | \$73889.7 | 0.0 | U/P |
| 28.867 | 0.0000 | 0.0000 | 87.202 | 1.34604 | 0.00000 | 196358.5 | 173930.1 | 0.0 | U/P |
| 28.875 | 0.0000 | 0.0000 | 87.201 | 1.34527 | 0.00000 | 196358.5 | 173970.4 | 0.0 | U/P |
| 28.883 | 0.0000 | 0.0000 | 87.199 | 1.34449 | 0.00000 | 196358.5 | 174010.8 | 0.0 | U/P |
| 28.892 | 0.0000 | 0.0000 | 87.197 | 1.34372 | 0.00000 | 196358.5 | 174051.1 | 0.0 | U/P |
| 28.900 | 0.0000 | 0.0000 | 87.195 | 1.34295 | 0.00000 | 196358.5 | 174091.4 | 0.0 | U/P |
| 28.908 | 0.0000 | 0.0000 | 87.194 | 1.34217 | 0.00000 | 196358.5 | 174131.7 | 0.0 | U/P |
| 28.917 | 0.0000 | 0.0000 | 87.192 | 1.34140 | 0.00000 | 196358.5 | 174171.9 | 0.0 | U/P |
| 28.925 | 0.0000 | 0.0000 | 87.190 | 1.34062 | 0.00000 | 196358.5 | 174212.2 | 0.0 | U/P |
| 28.933 | 0.0000 | 0.0000 | 87.188 | 1.33985 | 0.00000 | 196358.5 | 174252.4 | 0.0 | U/P |
| 28.942 | 0.0000 | 0.0000 | 87.187 | 1.33907 | 0.00000 | 196358.5 | 174292.5 | 0.0 | U/P |
| 28.950 | 0.0000 | 0.0000 | 87.185 | 1.33830 | 0.00000 | 196358.5 | 174332.7 | 0.0 | U/P |
| 28.958 | 0.0000 | 0.0000 | 87.183 | 1.33752 | 0.00000 | 196358.5 | 174372.8 | 0.0 | U/P |
| 28.967 | 0.0000 | 0.0000 | 87.181 | 1.33675 | 0.00000 | 196358.5 | 174413.0 | 0.0 | U/P |
| 28.975 | 0.0000 | 0.0000 | 87.180 | 1.33597 | 0.00000 | 196358.5 | 174453.0 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Interim Pond $11100 \mathrm{Yr} / 24 \mathrm{Hr}$ w/ overflow from pond 10

| Elapsed Time (hours) | Inflow Rate <br> ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{Ft}^{3} / \mathrm{s}$ ) | Overfow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 28.983 | 0.0000 | 0.0000 | 87.178 | 1.33520 | 0.00000 | 196358.5 | 174493.1 | 0.0 | U/P |
| 28.992 | 0.0000 | 0.0000 | 87.176 | 1.33442 | 0.00000 | 196358.5 | 174533.2 | 0.0 | U/P |
| 29.000 | 0.0000 | 0.0000 | 87.175 | 1.33365 | 0.00000 | 196358.5 | 174573.2 | 0.0 | U/P |
| 29.008 | 0.0000 | 0.0000 | 87.173 | 1.33287 | 0.00000 | 196358.5 | 174613.2 | 0.0 | U/P |
| 29.017 | 0.0000 | 0.0000 | 87.171 | 1.33210 | 0.00000 | 196358.5 | 174653.2 | 0.0 | U/P |
| 29.025 | 0.0000 | 0.0000 | 87.169 | 1.33132 | 0.00000 | 196358.5 | 174693.1 | 0.0 | U/P |
| 29.033 | 0.0000 | 0.0000 | 87.168 | 1.33055 | 0.00000 | 196358.5 | 174733.0 | 0.0 | U/P |
| 29.042 | 0.0000 | 0.0000 | 87.166 | 1.32977 | 0.00000 | 196358.5 | 174772.9 | 0.0 | U/P |
| 29.050 | 0.0000 | 0.0000 | 87.164 | 1.32900 | 0.00000 | 196358.5 | 174812.8 | 0.0 | U/P |
| 29.058 | 0.0000 | 0.0000 | 87.762 | 1.32822 | 0.00000 | 196358.5 | 174852.7 | 0.0 | U/P |
| 29.067 | 0.0000 | 0.0000 | 87.161 | 1.32745 | 0.00000 | 196358.5 | 174892.5 | 0.0 | U/P |
| 29.075 | 0.0000 | 0.0000 | 87.159 | 1.32667 | 0.00000 | 196358.5 | 174932.3 | 0.0 | U/P |
| 29.083 | 0.0000 | 0.0000 | 87.157 | 1.32590 | 0.00000 | 196358.5 | 174972.1 | 0.0 | U/P |
| 29.092 | 0.0000 | 0.0000 | 87.155 | 1.32512 | 0.00000 | 196358.5 | 175011.9 | 0.0 | U/P |
| 29.100 | 0.0000 | 0.0000 | 87.154 | 1.32435 | 0.00000 | 196358.5 | 175051.6 | 0.0 | U/P |
| 29.108 | 0.0000 | 0.0000 | 87.152 | 1.32357 | 0.00000 | 196358.5 | 175091.3 | 0.0 | U/P |
| 29.117 | 0.0000 | 0.0000 | 87.150 | 1.32280 | 0.00000 | 196358.5 | 175131.0 | 0.0 | U/P |
| 29.125 | 0.0000 | 0.0000 | 87.148 | 1.32202 | 0.00000 | 196358.5 | 175170.7 | 0.0 | U/P |
| 29.133 | 0.0000 | 0.0000 | 87.147 | 1.32125 | 0.00000 | 196358.5 | 175210.4 | 0.0 | U/P |
| 29.142 | 0.0000 | 0.0000 | 87.145 | 1.32047 | 0.00000 | 196358.5 | 175250.0 | 0.0 | U/P |
| 29.150 | 0.0000 | 0.0000 | 87.143 | 1.31970 | 0.00000 | 196358.5 | 175289.6 | 0.0 | U/P |
| 29.158 | 0.0000 | 0.0000 | 87.142 | 1.31892 | 0.00000 | 196358.5 | 175329.2 | 0.0 | U/P |
| 29.167 | 0.0000 | 0.0000 | 87.140 | 1.31815 | 0.00000 | 196358.5 | 175368.7 | 0.0 | U/P |
| 29.175 | 0.0000 | 0.0000 | 87.138 | 1.31738 | 0.00000 | 196358.5 | 175408.3 | 0.0 | U/P |
| 29.183 | 0.0000 | 0.0000 | 87.136 | 1.31660 | 0.00000 | 196358.5 | 175447.8 | 0.0 | U/P |
| 29.192 | 0.0000 | 0.0000 | 87.135 | 1.31583 | 0.00000 | 196358.5 | 175487.3 | 0.0 | U/P |
| 29.200 | 0.0000 | 0.0000 | 87.133 | 1.31505 | 0.00000 | 196358.5 | 175526.7 | 0.0 | U/P |
| 29.208 | 0.0000 | 0.0000 | 87.131 | 1.31428 | 0.00000 | 196358.5 | 175566.2 | 0.0 | U/P |
| 29.217 | 0.0000 | 0.0000 | 87.129 | 1.31350 | 0.00000 | 196358.5 | 175605.6 | 0.0 | U/P |
| 29.225 | 0.0000 | 0.0000 | 87.128 | 1.31273 | 0.00000 | 196358.5 | 175645.0 | 0.0 | U/P |
| 29.233 | 0.0000 | 0.0000 | 87.126 | 1.31195 | 0.00000 | 196358.5 | 175684.3 | 0.0 | U/P |
| 29.242 | 0.0000 | 0.0000 | 87.124 | 1.31118 | 0.00000 | 196358.5 | 175723.7 | 0.0 | U/P |
| 29.250 | 0.0000 | 0.0000 | 87.122 | 1.31040 | 0.00000 | 196358.5 | 175763.0 | 0.0 | U/P |
| 29.258 | 0.0000 | 0.0000 | 87.121 | 1.30963 | 0.00000 | 196358.5 | 175802.3 | 0.0 | U/P |
| 29.267 | 0.0000 | 0.0000 | 87.119 | 1.30885 | 0.00000 | 196358.5 | 175841.6 | 0.0 | U/P |
| 29.275 | 0.0000 | 0.0000 | 87.117 | 1.30808 | 0.00000 | 196358.5 | 175880.8 | 0.0 | U/P |
| 29.283 | 0.0000 | 0.0000 | 87.115 | 1.30730 | 0.00000 | 196358.5 | 175920.1 | 0.0 | U/P |
| 29.292 | 0.0000 | 0.0000 | 87.114 | 1.30653 | 0.00000 | 196358.5 | 175959.3 | 0.0 | U/P |
| 29.300 | 0.0000 | 0.0000 | 87.112 | 1.30575 | 0.00000 | 196358.5 | 175998.5 | 0.0 | U/P |
| 29.308 | 0.0000 | 0.0000 | 87.110 | 1.30498 | 0.00000 | 196358.5 | 176037.6 | 0.0 | U/P |
| 29.317 | 0.0000 | 0.0000 | 87.109 | 1.30420 | 0.00000 | 196358.5 | \$76076.8 | 0.0 | U/P |
| 29.325 | 0.0000 | 0.0000 | 87.107 | 1.30343 | 0.00000 | 196358.5 | 176115.9 | 0.0 | U/P |
| 29.333 | 0.0000 | 0.0000 | 87.105 | 1.30265 | 0.00000 | 196358.5 | 176155.0 | 0.0 | U/P |
| 29.342 | 0.0000 | 0.0000 | 87.103 | 1.30188 | 0.00000 | 196358.5 | 176194.0 | 0.0 | U/P |
| 29.350 | 0.0000 | 0.0000 | 87.102 | 1.30110 | 0.00000 | 196358.5 | 176233.1 | 0.0 | U/P |
| 29.358 | 0.0000 | 0.0000 | 87.100 | 1.30033 | 0.00000 | 196358.5 | 176272.1 | 0.0 | U/P |
| 29.367 | 0.0000 | 0.0000 | 87.098 | 1.29955 | 0.00000 | 196358.5 | 176311.1 | 0.0 | U/P |
| 29.375 | 0.0000 | 0.0000 | 87.096 | 1.29878 | 0.00000 | 196358.5 | 176350.1 | 0.0 | U/P |
| 29.383 | 0.0000 | 0.0000 | 87.095 | 1.29800 | 0.00000 | 196358.5 | 176389.0 | 0.0 | U/P |
| 29.392 | 0.0000 | 0.0000 | 87.093 | \{ 29723 | 0.00000 | 196358.5 | 176428.0 | 0.0 | U/P |
| 29.400 | 0.0000 | 0.0000 | 87.091 | 1.29645 | 0.00000 | 196358.5 | 176466.9 | 0.0 | U/P |
| 29.408 | 0.0000 | 0.0000 | 87.089 | 1.29568 | 0.00000 | 196358.5 | 176505.7 | 0.0 | U/P |
| 29.417 | 0.0000 | 0.0000 | 87.088 | 1.29490 | 0.00000 | 196358.5 | 176544.6 | 0.0 | U/P |
| 29.425 | 0.0000 | 0.0000 | 87.086 | 1.29413 | 0.00000 | 196358.5 | 176583.4 | 0.0 | U/P |
| 29.433 | 0.0000 | 0.0000 | 87.084 | 1.29335 | 0.00000 | 196358.5 | 176622.3 | 0.0 | U/P |
| 29.442 | 0.0000 | 0.0000 | 87.083 | 1.29258 | 0.00000 | 196358.5 | 176661.0 | 0.0 | U/P |
| 29.450 | 0.0000 | 0.0000 | 87.081 | 1.29181 | 0.00000 | 196358.5 | 176699.8 | 0.0 | U/P |
| 29.458 | 0.0000 | 0.0000 | 87.079 | 1.29103 | 0.00000 | 196358.5 | 176738.5 | 0.0 | U/P |
| 29.467 | 0.0000 | 0.0000 | 87.077 | 1.29026 | 0.00000 | 196358.5 | 176777.3 | 0.0 | U/P |
| 29.475 | 0.0000 | 0.0000 | 87.076 | 1.28948 | 0.00000 | 196358.5 | 176816.0 | 0.0 | U/P |
| 29.483 | 0.0000 | 0.0000 | 87.074 | 1.28871 | 0.00000 | 196358.5 | 176854.6 | 0.0 | U/P |
| 29.492 | 0.0000 | 0.0000 | 87.072 | 1.28793 | 0.00000 | 196358.5 | 176893.3 | 0.0 | U/P |
| 29.500 | 0.0000 | 0.0000 | 87.070 | 1.28716 | 0.00000 | 196358.5 | 176931.9 | 0.0 | U/P |
| 29.508 | 0.0000 | 0.0000 | 87.069 | 1.28638 | 0.00000 | 196358.5 | 176970.5 | 0.0 | U/P |
| 29.517 | 0.0000 | 0.0000 | 87.067 | 1.28561 | 0.00000 | 196358.5 | 177009.1 | 0.0 | U/P |
| 29.525 | 0.0000 | 0.0000 | 87.065 | 1.28483 | 0.00000 | 196358.5 | 177047.6 | 0.0 | U/P |
| 29.533 | 0.0000 | 0.0000 | 87.063 | 1.28406 | 0.00000 | 196358.5 | 177086.2 | 0.0 | U/P |
| 29.542 | 0.0000 | 0.0000 | 87.062 | 1.28328 | 0.00000 | 196358.5 | 177124.7 | 0.0 | U/P |
| 29.550 | 0.0000 | 0.0000 | 87.060 | 1.28251 | 0.00000 | 196358.5 | 177163.2 | 0.0 | U/P |
| 29.558 | 0.0000 | 0.0000 | 87.058 | 1.28173 | 0.00000 | 196358.5 | 177201.6 | 0.0 | U/P |
| 29.567 | 0.0000 | 0.0000 | 87.056 | 1.28096 | 0.00000 | 196358.5 | 177240.1 | 0.0 | U/P |
| 29.575 | 0.0000 | 0.0000 | 87.055 | 1.28018 | 0.00000 | 196358.5 | 177278.5 | 0.0 | U/P |
| 29.583 | 0.0000 | 0.0000 | 87.053 | 1.27941 | 0.00000 | 196358.5 | 177316.9 | 0.0 | U/P |
| 29.592 | 0.0000 | 0.0000 | 87.051 | 1.27863 | 0.00000 | 196358.5 | 177355.3 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Interim Pond $11100 \mathrm{Yr} / 24 \mathrm{Hr}$ w/ overflow from pond 10

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (H/day) | Stage Elevation (ft datum) | Infitration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3 / 5}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{H}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 29.600 | 0.0000 | 0.0000 | 87.050 | 1.27786 | 0.00000 | 196358.5 | 177393.6 | 0.0 | U/P |
| 29.608 | 0.0000 | 0.0000 | 87.048 | 1.27708 | 0.00000 | 196358.5 | 177431.9 | 0.0 | U/P |
| 29.617 | 0.0000 | 0.0000 | 87.046 | 1.27631 | 0.00000 | 196358.5 | 177470.2 | 0.0 | U/P |
| 29.625 | 0.0000 | 0.0000 | 87.044 | 1.27553 | 0.00000 | 196358.5 | 177508.5 | 0.0 | U/P |
| 29.633 | 0.0000 | 0.0000 | 87.043 | 1.27476 | 0.00000 | 196358.5 | 177546.8 | 0.0 | U/P |
| 29.642 | 0.0000 | 0.0000 | 87.041 | 1.27398 | 0.00000 | 196358.5 | 177585.0 | 0.0 | U/P |
| 29.650 | 0.0000 | 0.0000 | 87.039 | 1.27321 | 0.00000 | 196358.5 | 177623.2 | 0.0 | U/P |
| 29.658 | 0.0000 | 0.0000 | 87.037 | 1.27243 | 0.00000 | 196358.5 | 177661.4 | 0.0 | U/P |
| 29.667 | 0.0000 | 0.0000 | 87.036 | 1.27166 | 0.00000 | 196358.5 | 177699.5 | 0.0 | U/P |
| 29.675 | 0.0000 | 0.0000 | 87.034 | 1.27088 | 0.00000 | 196358.5 | 177737.7 | 0.0 | U/P |
| 29.683 | 0.0000 | 0.0000 | 87.032 | 1.27011 | 0.00000 | 196358.5 | 177775.8 | 0.0 | U/P |
| 29.692 | 0.0000 | 0.0000 | 87.030 | 1.26933 | 0.00000 | 196358.5 | 177813.9 | 0.0 | U/P |
| 29.700 | 0.0000 | 0.0000 | 87.029 | 1.26856 | 0.00000 | 196358.5 | 177852.0 | 0.0 | U/P |
| 29.708 | 0.0000 | 0.0000 | 87.027 | 1.26778 | 0.00000 | 196358.5 | 177890.0 | 0.0 | U/P |
| 29.717 | 0.0000 | 0.0000 | 87.025 | 1.26701 | 0.00000 | 196358.5 | \$77928.0 | 0.0 | U/P |
| 29.725 | 0.0000 | 0.0000 | 87.023 | 1.26624 | 0.00000 | 196358.5 | 177966.0 | 0.0 | U/P |
| 29.733 | 0.0000 | 0.0000 | 87.022 | 1.26546 | 0.00000 | 196358.5 | 178004.0 | 0.0 | U/P |
| 29.742 | 0.0000 | 0.0000 | 87.020 | 1.26469 | 0.00000 | 196358.5 | 178042.0 | 0.0 | U/P |
| 29.750 | 0.0000 | 0.0000 | 87.018 | 1.26391 | 0.00000 | 196358.5 | 178079.9 | 0.0 | U/P |
| 29.758 | 0.0000 | 0.0000 | 87.017 | 1.26314 | 0.00000 | 196358.5 | 178117.8 | 0.0 | U/P |
| 29.767 | 0.0000 | 0.0000 | 87.015 | 1.26236 | 0.00000 | 196358.5 | 178155.7 | 0.0 | U/P |
| 29.775 | 0.0000 | 0.0000 | 87.013 | 1.26159 | 0.00000 | 196358.5 | 178193.5 | 0.0 | U/P |
| 29.783 | 0.0000 | 0.0000 | 87.011 | 1.26081 | 0.00000 | 196358.5 | 178231.4 | 0.0 | U/P |
| 29.792 | 0.0000 | 0.0000 | 87.010 | 1.26004 | 0.00000 | 196358.5 | 178269.2 | 0.0 | U/P |
| 29.800 | 0.0000 | 0.0000 | 87.008 | 1.25926 | 0.00000 | 196358.5 | 178307.0 | 0.0 | U/P |
| 29.808 | 0.0000 | 0.0000 | 87.006 | 1.25849 | 0.00000 | 196358.5 | 178344.7 | 0.0 | U/P |
| 29.817 | 0.0000 | 0.0000 | 87.004 | 1.25771 | 0.00000 | 196358.5 | 178382.5 | 0.0 | U/P |
| 29.825 | 0.0000 | 0.0000 | 87.003 | 1.25694 | 0.00000 | 196358.5 | 178420.2 | 0.0 | U/P |
| 29.833 | 0.0000 | 0.0000 | 87.001 | 1.25616 | 0.00000 | 196358.5 | 178457.9 | 0.0 | U/P |
| 29.842 | 0.0000 | 0.0000 | 86.999 | 1.25539 | 0.00000 | 196358.5 | 178495.6 | 0.0 | U/P |
| 29.850 | 0.0000 | 0.0000 | 86.997 | 1.25462 | 0.00000 | 196358.5 | 178533.2 | 0.0 | U/P |
| 29.858 | 0.0000 | 0.0000 | 86.996 | 1.25385 | 0.00000 | 196358.5 | 178570.8 | 0.0 | U/P |
| 29.867 | 0.0000 | 0.0000 | 86.994 | 1.25309 | 0.00000 | 196358.5 | 178608.5 | 0.0 | U/P |
| 29.875 | 0.0000 | 0.0000 | 86.992 | 1.25232 | 0.00000 | 196358.5 | 178646.0 | 0.0 | U/P |
| 29.883 | 0.0000 | 0.0000 | 86.990 | 1.25156 | 0.00000 | 196358.5 | 178683.6 | 0.0 | U/P |
| 29.892 | 0.0000 | 0.0000 | 86.989 | 1.25079 | 0.00000 | 196358.5 | 178721.1 | 0.0 | U/P |
| 29.900 | 0.0000 | 0.0000 | 86.987 | 1.25002 | 0.00000 | 196358.5 | 178758.6 | 0.0 | U/P |
| 29.908 | 0.0000 | 0.0000 | 86.985 | 1.24926 | 0.00000 | 196358.5 | 178796.1 | 0.0 | U/P |
| 29.917 | 0.0000 | 0.0000 | 86.984 | 1.24849 | 0.00000 | 196358.5 | 178833.6 | 0.0 | U/P |
| 29.925 | 0.0000 | 0.0000 | 86.982 | 1.24773 | 0.00000 | 196358.5 | 178871.0 | 0.0 | U/P |
| 29.933 | 0.0000 | 0.0000 | 86.980 | 1.24696 | 0.00000 | 196358.5 | 178908.5 | 0.0 | U/P |
| 29.942 | 0.0000 | 0.0000 | 86.978 | 1.24619 | 0.00000 | 196358.5 | 178945.9 | 0.0 | U/P |
| 29.950 | 0.0000 | 0.0000 | 86.977 | 1.24543 | 0.00000 | 196358.5 | 178983.2 | 0.0 | U/P |
| 29.958 | 0.0000 | 0.0000 | 86.975 | 1.24466 | 0.00000 | 196358.5 | 179020.6 | 0.0 | U/P |
| 29.967 | 0.0000 | 0.0000 | 86.973 | 1.24390 | 0.00000 | 196358.5 | 179057.9 | 0.0 | U/P |
| 29.975 | 0.0000 | 0.0000 | 86.971 | 1.24313 | 0.00000 | 196358.5 | 179095.2 | 0.0 | U/P |
| 29.983 | 0.0000 | 0.0000 | 86.970 | 1.24236 | 0.00000 | 196358.5 | 179132.5 | 0.0 | U/P |
| 29.992 | 0.0000 | 0.0000 | 86.968 | 1.24160 | 0.00000 | 196358.5 | 179169.8 | 0.0 | U/P |
| 30.000 | 0.0000 | 0.0000 | 86.966 | 1.24083 | 0.00000 | 196358.5 | 179207.0 | 0.0 | U/P |
| 30.008 | 0.0000 | 0.0000 | 86.964 | 1.24006 | 0.00000 | 196358.5 | 179244.2 | 0.0 | U/P |
| 30.017 | 0.0000 | 0.0000 | 86.963 | 1.23930 | 0.00000 | 196358.5 | 179281.4 | 0.0 | U/P |
| 30.025 | 0.0000 | 0.0000 | 86.961 | 1.23853 | 0.00000 | 196358.5 | 179318.6 | 0.0 | U/P |
| 30.033 | 0.0000 | 0.0000 | 86.959 | 1.23777 | 0.00000 | 196358.5 | 179355.7 | 0.0 | U/P |
| 30.042 | 0.0000 | 0.0000 | 86.957 | 1.23700 | 0.00000 | 196358.5 | 179392.8 | 0.0 | U/P |
| 30.050 | 0.0000 | 0.0000 | 86.956 | 1.23623 | 0.00000 | 196358.5 | 179429.9 | 0.0 | U/P |
| 30.058 | 0.0000 | 0.0000 | 86.954 | 1.23547 | 0.00000 | 196358.5 | 179467.0 | 0.0 | U/P |
| 30.067 | 0.0000 | 0.0000 | 86.952 | 1.23470 | 0.00000 | 196358.5 | 179504.1 | 0.0 | U/P |
| 30.075 | 0.0000 | 0.0000 | 86.951 | 1.23394 | 0.00000 | 196358.5 | 179541.1 | 0.0 | U/P |
| 30.083 | 0.0000 | 0.0000 | 86.949 | 1.23317 | 0.00000 | 196358.5 | 179578.1 | 0.0 | U/P |
| 30.092 | 0.0000 | 0.0000 | 86.947 | 1.23240 | 0.00000 | 196358.5 | 179615.1 | 0.0 | U/P |
| 30.100 | 0.0000 | 0.0000 | 86.945 | 1.23164 | 0.00000 | 196358.5 | 179652.0 | 0.0 | U/P |
| 30.108 | 0.0000 | 0.0000 | 86.944 | 1.23087 | 0.00000 | 196358.5 | 179689.0 | 0.0 | U/P |
| 30.117 | 0.0000 | 0.0000 | 86.942 | 1.23011 | 0.00000 | 196358.5 | 179725.9 | 0.0 | U/P |
| 30.125 | 0.0000 | 0.0000 | 86.940 | 1.22934 | 0.00000 | 196358.5 | 179762.8 | 0.0 | U/P |
| 30.133 | 0.0000 | 0.0000 | 86.938 | 1.22857 | 0.00000 | 196358.5 | 179799.7 | 0.0 | U/P |
| 30.142 | 0.0000 | 0.0000 | 86.937 | 1.22781 | 0.00000 | 196358.5 | 179836.5 | 0.0 | U/P |
| 30.150 | 0.0000 | 0.0000 | 86.935 | 1.22704 | 0.00000 | 196358.5 | 179873.3 | 0.0 | U/P |
| 30.158 | 0.0000 | 0.0000 | 86.933 | 1.22627 | 0.00000 | 196358.5 | 179910.1 | 0.0 | U/P |
| 30.167 | 0.0000 | 0.0000 | 86.931 | 1.22551 | 0.00000 | 196358.5 | 179946.9 | 0.0 | U/P |
| 30.175 | 0.0000 | 0.0000 | 86.930 | 1.22474 | 0.00000 | 196358.5 | 179983.6 | 0.0 | U/P |
| 30.183 | 0.0000 | 0.0000 | 86.928 | 1.22398 | 0.00000 | 196358.5 | 180020.4 | 0.0 | U/P |
| 30.192 | 0.0000 | 0.0000 | 86.926 | 1.22321 | 0.00000 | 196358.5 | 180057.1 | 0.0 | U/P |
| 30.200 | 0.0000 | 0.0000 | 86.924 | 1.22244 | 0.00000 | 196358.5 | 180093.8 | 0.0 | U/P |
| 30.208 | 0.0000 | 0.0000 | 86.923 | 1.22168 | 0.00000 | 196358.5 | 180130.4 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Interim Pond $11100 \mathrm{Yr} / 24 \mathrm{Hr}$ w/ overflow from pond 10

| Elapsed Time (hours) | Inflow Rate (fis/s) | Outside Recharge (fl/day) | Stage Elevation (fl datum) | Infiltration Rate (ft ${ }^{3} / \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative <br> Discharge <br> Volume (ft ${ }^{3}$ ) | Fiow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30.217 | 0.0000 | 0.0000 | 86.921 | 1.22091 | 0.00000 | 196358.5 | 180167.1 | 0.0 | U/P |
| 30.225 | 0.0000 | 0.0000 | 86.919 | 1.22015 | 0.00000 | 196358.5 | 180203.7 | 0.0 | U/P |
| 30.233 | 0.0000 | 0.0000 | 86.918 | 1.21938 | 0.00000 | 196358.5 | 180240.3 | 0.0 | U/P |
| 30.242 | 0.0000 | 0.0000 | 86.916 | 1.21861 | 0.00000 | 196358.5 | 180276.8 | 0.0 | U/P |
| 30.250 | 0.0000 | 0.0000 | 86.914 | 1.21785 | 0.00000 | 196358.5 | 180313.4 | 0.0 | U/P |
| 30.258 | 0.0000 | 0.0000 | 86.912 | 1.21708 | 0.00000 | 196358.5 | 180349.9 | 0.0 | U/P |
| 30.267 | 0.0000 | 0.0000 | 86.911 | 1.21632 | 0.00000 | 196358.5 | 180386.4 | 0.0 | U/P |
| 30.275 | 0.0000 | 0.0000 | 86.909 | 1.21555 | 0.00000 | 196358.5 | 180422.9 | 0.0 | U/P |
| 30.283 | 0.0000 | 0.0000 | 86.907 | 1.21478 | 0.00000 | 196358.5 | 180459.4 | 0.0 | U/P |
| 30.292 | 0.0000 | 0.0000 | 86.905 | 1.21402 | 0.00000 | 196358.5 | 180495.8 | 0.0 | U/P |
| 30.300 | 0.0000 | 0.0000 | 86.904 | 1.21325 | 0.00000 | 196358.5 | 180532.2 | 0.0 | U/P |
| 30.308 | 0.0000 | 0.0000 | 86.902 | 1.21248 | 0.00000 | 196358.5 | 180568.6 | 0.0 | U/P |
| 30.317 | 0.0000 | 0.0000 | 86.900 | 1.21172 | 0.00000 | 196358.5 | 180604.9 | 0.0 | U/P |
| 30.325 | 0.0000 | 0.0000 | 86.898 | 1.21095 | 0.00000 | 196358.5 | 180641.3 | 0.0 | U/P |
| 30.333 | 0.0000 | 0.0000 | 86.897 | 1.21019 | 0.00000 | 196358.5 | 180677.6 | 0.0 | U/P |
| 30.342 | 0.0000 | 0.0000 | 86.895 | 1.20942 | 0.00000 | 196358.5 | 180713.9 | 0.0 | U/P |
| 30.350 | 0.0000 | 0.0000 | 86.893 | 1.20865 | 0.00000 | 196358.5 | 180750.2 | 0.0 | U/P |
| 30.358 | 0.0000 | 0.0000 | 86.891 | 1.20789 | 0.00000 | 196358.5 | 180786.4 | 0.0 | U/P |
| 30.367 | 0.0000 | 0.0000 | 86.890 | 1.20712 | 0.00000 | 196358.5 | 180822.6 | 0.0 | U/P |
| 30.375 | 0.0000 | 0.0000 | 86.888 | 1.20636 | 0.00000 | 196358.5 | 180858.8 | 0.0 | U/P |
| 30.383 | 0.0000 | 0.0000 | 86.886 | 1.20559 | 0.00000 | 196358.5 | 180895.0 | 0.0 | U/P |
| 30.392 | 0.0000 | 0.0000 | 86.885 | 1.20482 | 0.00000 | 196358.5 | 180931.2 | 0.0 | U/P |
| 30.400 | 0.0000 | 0.0000 | 86.883 | 1.20406 | 0.00000 | 196358.5 | 180967.3 | 0.0 | U/P |
| 30.408 | 0.0000 | 0.0000 | 86.881 | 1.20329 | 0.00000 | 196358.5 | 181003.4 | 0.0 | U/P |
| 30.417 | 0.0000 | 0.0000 | 86.879 | 1.20252 | 0.00000 | 196358.5 | 181039.5 | 0.0 | U/P |
| 30.425 | 0.0000 | 0.0000 | 86.878 | 1.20176 | 0.00000 | 196358.5 | 181075.6 | 0.0 | U/P |
| 30.433 | 0.0000 | 0.0000 | 86.876 | 1.20099 | 0.00000 | 196358.5 | 181711.6 | 0.0 | U/P |
| 30.442 | 0.0000 | 0.0000 | 86.874 | 1.20023 | 0.00000 | 196358.5 | 181147.6 | 0.0 | U/P |
| 30.450 | 0.0000 | 0.0000 | 86.872 | 1.19946 | 0.00000 | 196358.5 | 181183.6 | 0.0 | U/P |
| 30.458 | 0.0000 | 0.0000 | 86.871 | 1.19869 | 0.00000 | 196358.5 | 181219.6 | 0.0 | U/P |
| 30.467 | 0.0000 | 0.0000 | 86.869 | 1.19793 | 0.00000 | 196358.5 | 181255.5 | 0.0 | U/P |
| 30.475 | 0.0000 | 0.0000 | 86.867 | 1.19716 | 0.00000 | 196358.5 | 181291.5 | 0.0 | U/P |
| 30.483 | 0.0000 | 0.0000 | 86.865 | 1.19640 | 0.00000 | 196358.5 | 181327.4 | 0.0 | U/P |
| 30.492 | 0.0000 | 0.0000 | 86.864 | 1.19563 | 0.00000 | 196358.5 | 181363.3 | 0.0 | U/P |
| 30.500 | 0.0000 | 0.0000 | 86.862 | 1.19486 | 0.00000 | 196358.5 | 181399.1 | 0.0 | U/P |
| 30.508 | 0.0000 | 0.0000 | 86.860 | 1.19410 | 0.00000 | 196358.5 | 181435.0 | 0.0 | U/P |
| 30.517 | 0.0000 | 0.0000 | 86.858 | 1.19333 | 0.00000 | 196358.5 | 181470.8 | 0.0 | U/P |
| 30.525 | 0.0000 | 0.0000 | 86.857 | 1.19257 | 0.00000 | 196358.5 | 181506.5 | 0.0 | U/P |
| 30.533 | 0.0000 | 0.0000 | 86.855 | 1.19180 | 0.00000 | 196358.5 | 181542.3 | 0.0 | U/P |
| 30.542 | 0.0000 | 0.0000 | 86.853 | 1.19103 | 0.00000 | 196358.5 | 181578.1 | 0.0 | U/P |
| 30.550 | 0.0000 | 0.0000 | 86.852 | 1.19027 | 0.00000 | 196358.5 | 181613.8 | 0.0 | U/P |
| 30.558 | 0.0000 | 0.0000 | 86.850 | 1.18950 | 0.00000 | 196358.5 | 181649.5 | 0.0 | U/P |
| 30.567 | 0.0000 | 0.0000 | 86.848 | 1.18873 | 0.00000 | 196358.5 | 181685.1 | 0.0 | U/P |
| 30.575 | 0.0000 | 0.0000 | 86.846 | 1.18797 | 0.00000 | 196358.5 | 181720.8 | 0.0 | U/P |
| 30.583 | 0.0000 | 0.0000 | 86.845 | 1.18720 | 0.00000 | 196358.5 | 181756.4 | 0.0 | U/P |
| 30.592 | 0.0000 | 0.0000 | 86.843 | 1.18644 | 0.00000 | 196358.5 | 181792.0 | 0.0 | U/P |
| 30.600 | 0,0000 | 0.0000 | 86.841 | 1.18567 | 0.00000 | 196358.5 | 181827.6 | 0.0 | U/P |
| 30.608 | 0.0000 | 0.0000 | 86.839 | 1.18490 | 0.00000 | 196358.5 | 181863.2 | 0.0 | U/P |
| 30.617 | 0.0000 | 0.0000 | 86.838 | 1.18414 | 0.00000 | 196358.5 | 181898.7 | 0.0 | U/P |
| 30.625 | 0.0000 | 0.0000 | 86.836 | 1.18337 | 0.00000 | 196358.5 | 181934.2 | 0.0 | U/P |
| 30.633 | 0.0000 | 0.0000 | 86.834 | 1.18261 | 0.00000 | 196358.5 | 181969.7 | 0.0 | U/P |
| 30.642 | 0.0000 | 0.0000 | 86.832 | 1.18184 | 0.00000 | 196358.5 | 182005.2 | 0.0 | U/P |
| 30.650 | 0.0000 | 0.0000 | 86.831 | 1.18107 | 0.00000 | 196358.5 | 182040.6 | 0.0 | U/P |
| 30.658 | 0.0000 | 0.0000 | 86.829 | 1.18031 | 0.00000 | 136358.5 | 182076.0 | 0.0 | U/P |
| 30.667 | 0.0000 | 0.0000 | 86.827 | 1.17954 | 0.00000 | 196358.5 | 182111.4 | 0.0 | U/P |
| 30.675 | 0.0000 | 0.0000 | 86.825 | 1.17877 | 0.00000 | 196358.5 | 182146.8 | 0.0 | U/P |
| 30.683 | 0.0000 | 0.0000 | 86.824 | \$.17801 | 0.00000 | 196358.5 | 182182.2 | 0.0 | U/P |
| 30.692 | 0.0000 | 0.0000 | 86.822 | 1.17724 | 0.00000 | 196358.5 | 182217.5 | 0.0 | U/P |
| 30.700 | 0.0000 | 0.0000 | 86.820 | 1.17648 | 0.00000 | 196358.5 | 182252.8 | 0.0 | U/P |
| 30.708 | 0.0000 | 0.0000 | 86.819 | 1.17571 | 0.00000 | 196358.5 | 182288.1 | 0.0 | U/P |
| 30.717 | 0.0000 | 0.0000 | 86.817 | 1.17494 | 0.00000 | 196358.5 | 182323.3 | 0.0 | U/P |
| 30.725 | 0.0000 | 0.0000 | 86.815 | 1.17418 | 0.00000 | 196358.5 | 182358.6 | 0.0 | U/P |
| 30.733 | 0.0000 | 0.0000 | 86.813 | 1.17341 | 0.00000 | 196358.5 | 182393.8 | 0.0 | U/P |
| 30.742 | 0.0000 | 0.0000 | 86.812 | 1.17265 | 0.00000 | 196358.5 | 182429.0 | 0.0 | U/P |
| 30.750 | 0.0000 | 0.0000 | 86.810 | 1.17188 | 0.00000 | 196358.5 | 182464.2 | 0.0 | U/P |
| 30.758 | 0.0000 | 0.0000 | 86.808 | 1.17111 | 0.00000 | 196358.5 | 182499.3 | 0.0 | U/P |
| 30.767 | 0.0000 | 0.0000 | 86.806 | 1.17035 | 0.00000 | 196358.5 | 182534.4 | 0.0 | U/P |
| 30.775 | 0.0000 | 0.0000 | 86.805 | 1.16958 | 0.00000 | 196358.5 | 182569.5 | 0.0 | U/P |
| 30.783 | 0.0000 | 0.0000 | 86,803 | 1.16882 | 0.00000 | 196358.5 | 182604.6 | 0.0 | U/P |
| 30.792 | 0.0000 | 0.0000 | 86.801 | 1.16805 | 0.00000 | 196358.5 | 182639.6 | 0.0 | U/P |
| 30.800 | 0.0000 | 0.0000 | 86.799 | 1.16728 | 0.00000 | 196358.5 | 182674.7 | 0.0 | U/P |
| 30.808 | 0.0000 | 0.0000 | 86.798 | 1.16652 | 0.00000 | 196358.5 | 182709.7 | 0.0 | U/P |
| 30.817 | 0.0000 | 0.0000 | 86.796 | 1.16575 | 0.00000 | 196358.5 | 182744.7 | 0.0 | U/P |
| 30.825 | 0.0000 | 0.0000 | 86.794 | 1.16498 | 0.00000 | 196358.5 | 182779.6 | 0.0 | U/P |

Detailed Results (cont,d.) :: Scenario 1 :: Interim Pond $11100 \mathrm{Yr} / 24 \mathrm{Hr}$ w/ overflow from pond 10

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (fUday) | Stage Elevation (ft datum) | Infiltration Rate (f $\mathrm{f}^{3} / \mathrm{s}$ ) | Overfiow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30.833 | 0.0000 | 0.0000 | 86.792 | 1.16422 | 0.00000 | 196358.5 | 182814.6 | 0.0 | U/P |
| 30.842 | 0.0000 | 0.0000 | 86.791 | 1.16345 | 0.00000 | 196358.5 | 182849.5 | 0.0 | U/P |
| 30.850 | 0.0000 | 0.0000 | 86.789 | 1.16269 | 0.00000 | 196358.5 | 182884.4 | 0.0 | U/P |
| 30.858 | 0.0000 | 0.0000 | 86.787 | 1.16192 | 0.00000 | 196358.5 | 182919.2 | 0.0 | U/P |
| 30.867 | 0.0000 | 0.0000 | 86.786 | 1.16115 | 0.00000 | 196358.5 | 182954.1 | 0.0 | U/P |
| 30.875 | 0.0000 | 0.0000 | 86.784 | 1.16039 | 0.00000 | 196358.5 | 182988.9 | 0.0 | U/P |
| 30.883 | 0.0000 | 0.0000 | 86.782 | 1.15962 | 0.00000 | 196358.5 | 183023.7 | 0.0 | U/P |
| 30.892 | 0.0000 | 0.0000 | 86.780 | 1.15886 | 0.00000 | 196358.5 | 183058.5 | 0.0 | U/P |
| 30.900 | 0.0000 | 0.0000 | 86.779 | 1.15809 | 0.00000 | 196358.5 | 183093.2 | 0.0 | U/P |
| 30.908 | 0.0000 | 0.0000 | 86.777 | 1.15732 | 0.00000 | 196358.5 | 183128.0 | 0.0 | U/P |
| 30.917 | 0.0000 | 0.0000 | 86.775 | 1.15656 | 0.00000 | 196358.5 | 183162.7 | 0.0 | U/P |
| 30.925 | 0.0000 | 0.0000 | 86.773 | 1.15579 | 0.00000 | 196358.5 | 183197.4 | 0.0 | U/P |
| 30.933 | 0.0000 | 0.0000 | 86.772 | 1.15502 | 0.00000 | 196358.5 | 183232.0 | 0.0 | U/P |
| 30.942 | 0.0000 | 0.0000 | 86.770 | 1.15426 | 0.00000 | 196358.5 | 183266.7 | 0.0 | U/P |
| 30.950 | 0.0000 | 0.0000 | 86.768 | 1.15349 | 0.00000 | 196358.5 | 183301.3 | 0.0 | U/P |
| 30.958 | 0.0000 | 0.0000 | 86.766 | 1.15273 | 0.00000 | 196358.5 | 183335.9 | 0.0 | U/P |
| 30.967 | 0.0000 | 0.0000 | 86.765 | 1.15196 | 0.00000 | 196358.5 | 183370.5 | 0.0 | U/P |
| 30.975 | 0.0000 | 0.0000 | 86.763 | 1.15119 | 0.00000 | 196358.5 | 183405.0 | 0.0 | U/P |
| 30.983 | 0.0000 | 0.0000 | 86.761 | 1.15043 | 0.00000 | 196358.5 | 183439.5 | 0.0 | U/P |
| 30.992 | 0.0000 | 0.0000 | 86.759 | 1.14966 | 0.00000 | 196358.5 | 183474.0 | 0.0 | U/P |
| 31.000 | 0.0000 | 0.0000 | 86.758 | 1.14890 | 0.00000 | 196358.5 | 183508.5 | 0.0 | U/P |
| 31.008 | 0.0000 | 0.0000 | 86.756 | 1.14813 | 0.00000 | 196358.5 | 183543.0 | 0.0 | U/P |
| 31.017 | 0.0000 | 0.0000 | 86.754 | 1.14736 | 0.00000 | 196358.5 | 183577.4 | 0.0 | U/P |
| 31.025 | 0.0000 | 0.0000 | 86.753 | 1.14660 | 0.00000 | 196358.5 | 183611.8 | 0.0 | U/P |
| 31.033 | 0.0000 | 0.0000 | 86.751 | 1.14583 | 0.00000 | 196358.5 | 183646.2 | 0.0 | U/P |
| 31.042 | 0.0000 | 0.0000 | 86.749 | 1.14507 | 0.00000 | 196358.5 | 183680.5 | 0.0 | U/P |
| 31.050 | 0.0000 | 0.0000 | 86.747 | 1.14430 | 0.00000 | 196358.5 | 183714.9 | 0.0 | U/P |
| 31.058 | 0.0000 | 0.0000 | 86.746 | 1.14353 | 0.00000 | 196358.5 | 183749.2 | 0.0 | U/P |
| 31.067 | 0.0000 | 0.0000 | 86.744 | 1.14277 | 0.00000 | 196358.5 | 183783.5 | 0.0 | U/P |
| 31.075 | 0.0000 | 0.0000 | 86.742 | 1.14200 | 0.00000 | 196358.5 | 183817.8 | 0.0 | U/P |
| 31.083 | 0.0000 | 0.0000 | 86.740 | 1.14123 | 0.00000 | 196358.5 | 183852.0 | 0.0 | U/P |
| 31.092 | 0.0000 | 0.0000 | 86.739 | 1.14047 | 0.00000 | 196358.5 | 183886.3 | 0.0 | U/P |
| 31.100 | 0.0000 | 0.0000 | 86.737 | 1.13970 | 0.00000 | 196358.5 | 183920.5 | 0.0 | U/P |
| 31.108 | 0.0000 | 0.0000 | 86.735 | 1.13894 | 0.00000 | 196358.5 | 183954.6 | 0.0 | U/P |
| 31.117 | 0.0000 | 0.0000 | 86.733 | 1.13817 | 0.00000 | 196358.5 | 183988.8 | 0.0 | U/P |
| 31.125 | 0.0000 | 0.0000 | 86.732 | 1.13740 | 0.00000 | 196358.5 | 184022.9 | 0.0 | U/P |
| 31.133 | 0.0000 | 0.0000 | 86.730 | 1.13664 | 0.00000 | 196358.5 | 184057.0 | 0.0 | U/P |
| 31.142 | 0.0000 | 0.0000 | 86.728 | 1.13587 | 0.00000 | 196358.5 | 184091.1 | 0.0 | U/P |
| 31.150 | 0.0000 | 0.0000 | 86.726 | 1.13511 | 0.00000 | 196358.5 | 184125.2 | 0.0 | U/P |
| 31.158 | 0.0000 | 0.0000 | 86.725 | 1.13434 | 0.00000 | 196358.5 | 184159.2 | 0.0 | U/P |
| 31.167 | 0.0000 | 0.0000 | 86.723 | 1.13357 | 0.00000 | 196358.5 | 184193.2 | 0.0 | U/P |
| 31.175 | 0.0000 | 0.0000 | 86.721 | 1.13281 | 0.00000 | 196358.5 | 184227.2 | 0.0 | U/P |
| 31.183 | 0.0000 | 0.0000 | 86.720 | 1.13204 | 0.00000 | 196358.5 | 184261.2 | 0.0 | U/P |
| 31.192 | 0.0000 | 0.0000 | 86.718 | 1.13127 | 0.00000 | 196358.5 | 184295.2 | 0.0 | U/P |
| 31.200 | 0.0000 | 0.0000 | 86.716 | 1.13051 | 0.00000 | 196358.5 | 184329.1 | 0.0 | U/P |
| 31.208 | 0.0000 | 0.0000 | 86.714 | 1.12974 | 0.00000 | 196358.5 | 184363.0 | 0.0 | U/P |
| 31.217 | 0.0000 | 0.0000 | 86.713 | 1.12898 | 0.00000 | 196358.5 | 184396.9 | 0.0 | U/P |
| 31.225 | 0.0000 | 0.0000 | 86.711 | 1.12821 | 0.00000 | 196358.5 | 184430.7 | 0.0 | U/P |
| 31.233 | 0.0000 | 0.0000 | 86.709 | 1.12744 | 0.00000 | 196358.5 | 184464.6 | 0.0 | U/P |
| 31.242 | 0.0000 | 0.0000 | 86.707 | 1.12668 | 0.00000 | 196358.5 | 184498.4 | 0.0 | U/P |
| 31.250 | 0.0000 | 0.0000 | 86.706 | 1.12591 | 0.00000 | 196358.5 | 184532.2 | 0.0 | U/P |
| 31.258 | 0.0000 | 0.0000 | 86.704 | 1.12515 | 0.00000 | 196358.5 | 184565.9 | 0.0 | U/P |
| 31.267 | 0.0000 | 0.0000 | 86.702 | 1.12438 | 0.00000 | 196358.5 | 184599.7 | 0.0 | U/P |
| 31.275 | 0.0000 | 0.0000 | 86.700 | 1.12361 | 0.00000 | 196358.5 | 184633.4 | 0.0 | U/P |
| 31.283 | 0.0000 | 0.0000 | 86.699 | 1.12285 | 0.00000 | 196358.5 | 184667.1 | 0.0 | U/P |
| 31.292 | 0.0000 | 0.0000 | 86.697 | 1.12208 | 0.00000 | 196358.5 | 184700.8 | 0.0 | U/P |
| 31.300 | 0.0000 | 0.0000 | 86.695 | 1.12132 | 0.00000 | 196358.5 | 184734.4 | 0.0 | U/P |
| 31.308 | 0.0000 | 0.0000 | 86.693 | 1.12055 | 0.00000 | 196358.5 | 184768.0 | 0.0 | U/P |
| 31.317 | 0.0000 | 0.0000 | 86.692 | 1.11978 | 0.00000 | 196358.5 | 184801.6 | 0.0 | U/P |
| 31.325 | 0.0000 | 0.0000 | 86.690 | 1.11902 | 0.00000 | 196358.5 | 184835.2 | 0.0 | U/P |
| 31.333 | 0.0000 | 0.0000 | 86.688 | 1.11825 | 0.00000 | 196358.5 | 184868.8 | 0.0 | U/P |
| 31.342 | 0.0000 | 0.0000 | 86.687 | 1.11748 | 0.00000 | 196358.5 | 184902.3 | 0.0 | U/P |
| 31.350 | 0.0000 | 0.0000 | 86.685 | 1.11672 | 0.00000 | 196358.5 | 184935.8 | 0.0 | U/P |
| 31.358 | 0.0000 | 0.0000 | 86.683 | 1.11595 | 0.00000 | 196358.5 | 184969.3 | 0.0 | U/P |
| 31.367 | 0.0000 | 0.0000 | 86.681 | 1.11519 | 0.00000 | 796358.5 | 185002.8 | 0.0 | U/P |
| 31.375 | 0.0000 | 0.0000 | 86.680 | 1.11442 | 0.00000 | 196358.5 | 185036.2 | 0.0 | U/P |
| 31.383 | 0.0000 | 0.0000 | 86.678 | 1.11365 | 0.00000 | 196358.5 | 185069.7 | 0.0 | U/P |
| 31.392 | 0.0000 | 0.0000 | 86.676 | 1.11289 | 0.00000 | 196358.5 | 185103.1 | 0.0 | U/P |
| 31.400 | 0.0000 | 0.0000 | 86.674 | 1.11212 | 0.00000 | 196358.5 | 185136.4 | 0.0 | U/P |
| 31.408 | 0.0000 | 0.0000 | 86.673 | 1.11136 | 0.00000 | 196358.5 | 185169.8 | 0.0 | U/P |
| 31.417 | 0.0000 | 0.0000 | 86.671 | 1.11059 | 0.00000 | 196358.5 | 185203.1 | 0.0 | U/P |
| 31.425 | 0.0000 | 0.0000 | 86.669 | 1.10982 | 0.00000 | 196358.5 | 185236.4 | 0.0 | U/P |
| 31.433 | 0.0000 | 0.0000 | 86.667 | 1.10906 | 0.00000 | 196358.5 | 185269.7 | 0.0 | U/P |
| 31.442 | 0.0000 | 0.0000 | 86.666 | 1.10829 | 0.00000 | 196358.5 | 185303.0 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Interim Pond $11100 \mathrm{Yr} / 24 \mathrm{Hr}$ w/ overflow from pond 10

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3 / \mathrm{s}} \mathrm{s}$ ) | Outside Recharge (filday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Overlow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumukative Inflow Volume $\left(\mathrm{n}^{3}\right)$ | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 31.450 | 0.0000 | 0.0000 | 86.664 | 1.10752 | 0.00000 | 196358.5 | 185336.2 | 0.0 | U/P |
| 31.458 | 0.0000 | 0.0000 | 86.662 | 1.10676 | 0.00000 | 196358.5 | 185369.4 | 0.0 | U/P |
| 31.467 | 0.0000 | 0.0000 | 86.660 | 1.10599 | 0.00000 | 196358.5 | 185402.6 | 0.0 | U/P |
| 31.475 | 0.0000 | 0.0000 | 86.659 | 1.10523 | 0.00000 | 196358.5 | 185435.8 | 0.0 | U/P |
| 31.483 | 0.0000 | 0.0000 | 86.657 | 1.10446 | 0.00000 | 196358.5 | 185468.9 | 0.0 | U/P |
| 31.492 | 0.0000 | 0.0000 | 86.655 | 1.10369 | 0.00000 | 196358.5 | 185502.0 | 0.0 | U/P |
| 31.500 | 0.0000 | 0.0000 | 86.654 | 1.10293 | 0.00000 | 196358.5 | 185535.1 | 0.0 | U/P |
| 31.508 | 0.0000 | 0.0000 | 86.652 | 1.10216 | 0.00000 | 196358.5 | 185568.2 | 0.0 | U/P |
| 31.517 | 0.0000 | 0.0000 | 86.650 | 1.10140 | 0.00000 | 196358.5 | 185601.3 | 0.0 | U/P |
| 31.525 | 0.0000 | 0.0000 | 86.648 | 1.10063 | 0.00000 | 196358.5 | 185634.3 | 0.0 | U/P |
| 31.533 | 0.0000 | 0.0000 | 86.647 | 1.09986 | 0.00000 | 196358.5 | 185667.3 | 0.0 | U/P |
| 31.542 | 0.0000 | 0.0000 | 86.645 | 1.09910 | 0.00000 | 196358.5 | 185700.3 | 0.0 | U/P |
| 31.550 | 0.0000 | 0.0000 | 86.643 | 1.09833 | 0.00000 | 196358.5 | 185733.3 | 0.0 | U/P |
| 31.558 | 0.0000 | 0.0000 | 86.641 | 1.09756 | 0.00000 | 196358.5 | 185766.2 | 0.0 | U/P |
| 31.567 | 0.0000 | 0.0000 | 86.640 | 1.09680 | 0.00000 | 196358.5 | 185799.1 | 0.0 | U/P |
| 31.575 | 0.0000 | 0.0000 | 86.638 | 1.09603 | 0.00000 | 196358.5 | 185832.0 | 0.0 | U/P |
| 31.583 | 0.0000 | 0.0000 | 86.636 | 1.09527 | 0.00000 | 196358.5 | 185864.9 | 0.0 | U/P |
| 31.592 | 0.0000 | 0.0000 | 86.634 | 1.09450 | 0.00000 | 196358.5 | 185897.7 | 0.0 | U/P |
| 31.600 | 0.0000 | 0.0000 | 86.633 | 1.09373 | 0.00000 | 196358.5 | 185930.5 | 0.0 | U/P |
| 31.608 | 0.0000 | 0.0000 | 86.631 | 1.09297 | 0.00000 | 196358.5 | 185963.3 | 0.0 | U/P |
| 31.617 | 0.0000 | 0.0000 | 86.629 | 1.09220 | 0.00000 | 196358.5 | 185996.1 | 0.0 | U/P |
| 31.625 | 0.0000 | 0.0000 | 86.627 | 1.09144 | 0.00000 | 196358.5 | 186028.9 | 0.0 | U/P |
| 31.633 | 0.0000 | 0.0000 | 86.626 | 1.09067 | 0.00000 | 196358.5 | 186061.6 | 0.0 | U/P |
| 31.642 | 0.0000 | 0.0000 | 86.624 | 1.08990 | 0.00000 | 196358.5 | 186094.3 | 0.0 | U/P |
| 31.650 | 0.0000 | 0.0000 | 86.622 | 1.08914 | 0.00000 | 196358.5 | 186127.0 | 0.0 | U/P |
| 31.658 | 0.0000 | 0.0000 | 86.621 | 1.08837 | 0.00000 | 196358.5 | 186159.7 | 0.0 | U/P |
| 31.667 | 0.0000 | 0.0000 | 86.619 | 1.08760 | 0.00000 | 196358.5 | 186192.3 | 0.0 | U/P |
| 31.675 | 0.0000 | 0.0000 | 86.617 | 1.08684 | 0.00000 | 196358.5 | 186224.9 | 0.0 | U/P |
| 31.683 | 0.0000 | 0.0000 | 86.615 | 1.08607 | 0.00000 | 196358.5 | 186257.5 | 0.0 | U/P |
| 31.692 | 0.0000 | 0.0000 | 86.614 | 1.08531 | 0.00000 | 196358.5 | 186290.1 | 0.0 | U/P |
| 31.700 | 0.0000 | 0.0000 | 86.612 | 1.08454 | 0.00000 | 196358.5 | 186322.6 | 0.0 | U/P |
| 31.708 | 0.0000 | 0.0000 | 86.610 | 1.08377 | 0.00000 | 196358.5 | 186355.2 | 0.0 | U/P |
| 31.717 | 0.0000 | 0.0000 | 86.608 | 1.08301 | 0.00000 | 196358.5 | 186387.7 | 0.0 | U/P |
| 31.725 | 0.0000 | 0.0000 | 86.607 | 1.08224 | 0.00000 | 196358.5 | 186420.1 | 0.0 | U/P |
| 31.733 | 0.0000 | 0.0000 | 86.605 | 1.08148 | 0.00000 | 196358.5 | 186452.6 | 0.0 | U/P |
| 31.742 | 0.0000 | 0.0000 | 86.603 | 1.08071 | 0.00000 | 196358.5 | 186485.0 | 0.0 | U/P |
| 31.750 | 0.0000 | 0.0000 | 86.601 | 1.07994 | 0.00000 | 196358.5 | 186517.4 | 0.0 | U/P |
| 31.758 | 0.0000 | 0.0000 | 86.600 | 1.07918 | 0.00000 | 196358.5 | 186549.8 | 0.0 | U/P |
| 31.767 | 0.0000 | 0.0000 | 86.598 | 1.07841 | 0.00000 | 196358.5 | 186582.2 | 0.0 | U/P |
| 31.775 | 0.0000 | 0.0000 | 86.596 | 1.07764 | 0.00000 | 196358.5 | 186614.5 | 0.0 | U/P |
| 31.783 | 0.0000 | 0.0000 | 86.595 | 1.07688 | 0.00000 | 196358.5 | 186646.8 | 0.0 | U/P |
| 31.792 | 0.0000 | 0.0000 | 86.593 | 1.07611 | 0.00000 | 196358.5 | 186679.1 | 0.0 | U/P |
| 31.800 | 0.0000 | 0.0000 | 86.591 | 1.07535 | 0.00000 | $\uparrow 96358.5$ | 186711.4 | 0.0 | U/P |
| 31.808 | 0.0000 | 0.0000 | 86.589 | 1.07458 | 0.00000 | 196358.5 | 186743.7 | 0.0 | U/P |
| 31.817 | 0.0000 | 0.0000 | 86.588 | 1.07381 | 0.00000 | 196358.5 | 186775.9 | 0.0 | U/P |
| 31.825 | 0.0000 | 0.0000 | 86.586 | 1.07305 | 0.00000 | 196358.5 | 186808.1 | 0.0 | U/P |
| 31.833 | 0.0000 | 0.0000 | 86.584 | 1.07228 | 0.00000 | 196358.5 | 186840.3 | 0.0 | U/P |
| 31.842 | 0.0000 | 0.0000 | 86.582 | 1.07152 | 0.00000 | 196358.5 | 186872.4 | 0.0 | U/P |
| 31.850 | 0.0000 | 0.0000 | 86.581 | 1.07075 | 0.00000 | 196358.5 | 186904.6 | 0.0 | U/P |
| 31.858 | 0.0000 | 0.0000 | 86.579 | 1.06998 | 0.00000 | 196358.5 | 186936.7 | 0.0 | U/P |
| 31.867 | 0.0000 | 0.0000 | 86.577 | 1.06922 | 0.00000 | 196358.5 | 186968.8 | 0.0 | U/P |
| 31.875 | 0.0000 | 0.0000 | 86.575 | 1.06845 | 0.00000 | 196358.5 | 187000.8 | 0.0 | U/P |
| 31.883 | 0.0000 | 0.0000 | 86.574 | 1.06768 | 0.00000 | 196358.5 | 187032.9 | 0.0 | U/P |
| 31.892 | 0.0000 | 0.0000 | 86.572 | 1.06692 | 0.00000 | 196358.5 | 187064.9 | 0.0 | U/P |
| 31.900 | 0.0000 | 0.0000 | 86.570 | 1.06615 | 0.00000 | 196358.5 | 187096.9 | 0.0 | U/P |
| 31.908 | 0.0000 | 0.0000 | 86.568 | 1.06539 | 0.00000 | 196358.5 | 187128.8 | 0.0 | U/P |
| 31.917 | 0.0000 | 0.0000 | 86.567 | 1.06462 | 0.00000 | 196358.5 | 187160.8 | 0.0 | U/P |
| 31.925 | 0.0000 | 0.0000 | 86.565 | 1.06385 | 0.00000 | 196358.5 | 187192.7 | 0.0 | U/P |
| 31.933 | 0.0000 | 0.0000 | 86.563 | 1.06309 | 0.00000 | 196358.5 | 187224.6 | 0.0 | U/P |
| 31.942 | 0.0000 | 0.0000 | 86.562 | 1.06232 | 0.00000 | 196358.5 | 187256.5 | 0.0 | U/P |
| 31.950 | 0.0000 | 0.0000 | 86.560 | 1.06156 | 0.00000 | 196358.5 | 187288.4 | 0.0 | U/P |
| 31.958 | 0.0000 | 0.0000 | 86.558 | 1.06079 | 0.00000 | 196358.5 | 187320.2 | 0.0 | U/P |
| 31.967 | 0.0000 | 0.0000 | 86.556 | 1.06002 | 0.00000 | 196358.5 | 187352.0 | 0.0 | U/P |
| 31.975 | 0.0000 | 0.0000 | 86.555 | 1.05926 | 0.00000 | 196358.5 | 187383.8 | 0.0 | U/P |
| 31.983 | 0.0000 | 0.0000 | 86.553 | 1.05849 | 0.00000 | 196358.5 | 187415.6 | 0.0 | U/P |
| 31.992 | 0.0000 | 0.0000 | 86.551 | 1.05772 | 0.00000 | 196358.5 | 187447.3 | 0.0 | U/P |
| 32.000 | 0.0000 | 0.0000 | 86.549 | 1.05696 | 0.00000 | 196358.5 | 187479.0 | 0.0 | U/P |
| 32.008 | 0.0000 | 0.0000 | 86.548 | 1.05619 | 0.00000 | 196358.5 | 187510.7 | 0.0 | U/P |
| 32.017 | 0.0000 | 0.0000 | 86.546 | 1.05543 | 0.00000 | 196358.5 | 187542.4 | 0.0 | U/P |
| 32.025 | 0.0000 | 0.0000 | 86.544 | 1.05466 | 0.00000 | 196358.5 | 187574.1 | 0.0 | U/P |
| 32.033 | 0.0000 | 0.0000 | 86.542 | 1.05389 | 0.00000 | 196358.5 | 187605.7 | 0.0 | U/P |
| 32.042 | 0.0000 | 0.0000 | 86.541 | 1.05313 | 0.00000 | 196358.5 | 187637.3 | 0.0 | U/P |
| 32.050 | 0.0000 | 0.0000 | 86.539 | 1.05236 | 0.00000 | 196358.5 | 187668.9 | 0.0 | U/P |
| 32.058 | 0.0000 | 0.0000 | 86.537 | 1.05160 | 0.00000 | 196358.5 | 187700.4 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Interim Pond $11100 \mathrm{Yr} / 24 \mathrm{Hr}$ w/ ovenflow from pond 10

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / 5}$ ) | Outside Recharge (fl/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 /} / \mathrm{s}$ ) | Overfow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{H}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32.067 | 0.0000 | 0.0000 | 86.535 | 1.05083 | 0.00000 | 196358.5 | 187732.0 | 0.0 | U/P |
| 32.075 | 0.0000 | 0.0000 | 86.534 | 1.05006 | 0.00000 | 196358.5 | 187763.5 | 0.0 | U/P |
| 32.083 | 0.0000 | 0.0000 | 86.532 | 1.04930 | 0.00000 | 196358.5 | 187795.0 | 0.0 | U/P |
| 32.092 | 0.0000 | 0.0000 | 86.530 | 1.04853 | 0.00000 | 196358.5 | 187826.4 | 0.0 | U/P |
| 32.100 | 0.0000 | 0.0000 | 86.529 | 1.04776 | 0.00000 | 196358.5 | 187857.9 | 0.0 | U/P |
| 32.108 | 0.0000 | 0.0000 | 86.527 | 1.04700 | 0.00000 | 196358.5 | 187889.3 | 0.0 | U/P |
| 32.117 | 0.0000 | 0.0000 | 86.525 | 1.04623 | 0.00000 | 196358.5 | 187920.7 | 0.0 | U/P |
| 32.125 | 0.0000 | 0.0000 | 86.523 | 1.04547 | 0.00000 | 196358.5 | 187952.1 | 0.0 | U/P |
| 32.133 | 0.0000 | 0.0000 | 86.522 | 1.04470 | 0.00000 | 196358.5 | 187983.4 | 0.0 | U/P |
| 32.142 | 0.0000 | 0.0000 | 86.520 | 1.04393 | 0.00000 | 196358.5 | 188014.8 | 0.0 | U/P |
| 32.150 | 0.0000 | 0.0000 | 86.518 | 1.04317 | 0.00000 | 196358.5 | 188046.1 | 0.0 | U/P |
| 32.158 | 0.0000 | 0.0000 | 86.516 | 1.04240 | 0.00000 | 196358.5 | 188077.4 | 0.0 | U/P |
| 32.167 | 0.0000 | 0.0000 | 86.515 | 1.04164 | 0.00000 | 196358.5 | 188108.6 | 0.0 | U/P |
| 32.175 | 0.0000 | 0.0000 | 86.513 | 1.04087 | 0.00000 | 196358.5 | 188139.8 | 0.0 | U/P |
| 32.183 | 0.0000 | 0.0000 | 86.511 | 7.04010 | 0.00000 | 196358.5 | 188171.1 | 0.0 | U/P |
| 32.192 | 0.0000 | 0.0000 | 86.509 | 1.03934 | 0.00000 | 196358.5 | 188202.3 | 0.0 | U/P |
| 32.200 | 0.0000 | 0.0000 | 86.508 | 1.03857 | 0.00000 | 196358.5 | 188233.4 | 0.0 | U/P |
| 32.208 | 0.0000 | 0.0000 | 86.506 | 1.03780 | 0.00000 | 196358.5 | 188264.6 | 0.0 | U/P |
| 32.217 | 0.0000 | 0.0000 | 86.504 | 1.03704 | 0.00000 | 196358.5 | 188295.7 | 0.0 | U/P |
| 32.225 | 0.0000 | 0.0000 | 86.502 | 1.03627 | 0.00000 | 196358.5 | 188326.8 | 0.0 | U/P |
| 32.233 | 0.0000 | 0.0000 | 86.501 | 1.03551 | 0.00000 | 196358.5 | 188357.9 | 0.0 | U/P |
| 32.242 | 0.0000 | 0.0000 | 86.499 | 1.03474 | 0.00000 | 196358.5 | 188388.9 | 0.0 | U/P |
| 32.250 | 0.0000 | 0.0000 | 86.497 | 1.03397 | 0.00000 | 196358.5 | 188420.0 | 0.0 | U/P |
| 32.258 | 0.0000 | 0.0000 | 86.496 | 1.03321 | 0.00000 | 196358.5 | 188451.0 | 0.0 | U/P |
| 32.267 | 0.0000 | 0.0000 | 86.494 | 1.03244 | 0.00000 | 196358.5 | 188482.0 | 0.0 | U/P |
| 32.275 | 0.0000 | 0.0000 | 86.492 | 1.03168 | 0.00000 | 196358.5 | 188512.9 | 0.0 | U/P |
| 32.283 | 0.0000 | 0.0000 | 86.490 | 1.03091 | 0.00000 | 196358.5 | 188543.8 | 0.0 | U/P |
| 32.292 | 0.0000 | 0.0000 | 86.489 | 1.03014 | 0.00000 | 196358.5 | 188574.8 | 0.0 | U/P |
| 32.300 | 0.0000 | 0.0000 | 86.487 | 1.02938 | 0.00000 | 196358.5 | 188605.7 | 0.0 | U/P |
| 32.308 | 0.0000 | 0.0000 | 86.485 | 1.02861 | 0.00000 | 196358.5 | 188636.5 | 0.0 | U/P |
| 32.317 | 0.0000 | 0.0000 | 86.483 | 1.02784 | 0.00000 | 196358.5 | 188667.4 | 0.0 | U/P |
| 32.325 | 0.0000 | 0.0000 | 86.482 | 1.02708 | 0.00000 | 196358.5 | 188698.2 | 0.0 | U/P |
| 32.333 | 0.0000 | 0.0000 | 86.480 | 1.02631 | 0.00000 | 196358.5 | 188729.0 | 0.0 | U/P |
| 32.342 | 0.0000 | 0.0000 | 86.478 | 1.02555 | 0.00000 | 196358.5 | 188759.8 | 0.0 | U/P |
| 32.350 | 0.0000 | 0.0000 | 86.476 | 1.02478 | 0.00000 | 196358.5 | 188790.5 | 0.0 | U/P |
| 32.358 | 0.0000 | 0.0000 | 86.475 | 1.02401 | 0.00000 | 196358.5 | 188821.3 | 0.0 | U/P |
| 32.367 | 0.0000 | 0.0000 | 86.473 | 1.02325 | 0.00000 | 196358.5 | 488852.0 | 0.0 | U/P |
| 32.375 | 0.0000 | 0.0000 | 86.471 | 1.02248 | 0.00000 | 196358.5 | 188882.7 | 0.0 | U/P |
| 32.383 | 0.0000 | 0.0000 | 86.469 | 1.02172 | 0.00000 | 196358.5 | 188913.3 | 0.0 | U/P |
| 32.392 | 0.0000 | 0.0000 | 86.468 | 1.02095 | 0.00000 | 196358.5 | 188944.0 | 0.0 | U/P |
| 32.400 | 0.0000 | 0.0000 | 86.466 | 1.02018 | 0.00000 | 196358.5 | 188974.6 | 0.0 | U/P |
| 32.408 | 0.0000 | 0.0000 | 86.464 | 1.01942 | 0.00000 | 196358.5 | 189005.2 | 0.0 | U/P |
| 32.417 | 0.0000 | 0.0000 | 86.463 | $\uparrow .01865$ | 0.00000 | 196358.5 | 189035.7 | 0.0 | U/P |
| 32.425 | 0.0000 | 0.0000 | 86.461 | 1.01788 | 0.00000 | 196358.5 | 189066.3 | 0.0 | U/P |
| 32.433 | 0.0000 | 0.0000 | 86.459 | 1.01712 | 0.00000 | 196358.5 | 189096.8 | 0.0 | U/P |
| 32.442 | 0.0000 | 0.0000 | 86.457 | 1.01635 | 0.00000 | 196358.5 | 189127.3 | 0.0 | U/P |
| 32.450 | 0.0000 | 0.0000 | 86.456 | 1.01559 | 0.00000 | 196358.5 | 189157.8 | 0.0 | U/P |
| 32.458 | 0.0000 | 0.0000 | 86.454 | 1.01482 | 0.00000 | 196358.5 | 189188.3 | 0.0 | U/P |
| 32.467 | 0.0000 | 0.0000 | 86.452 | 1.01405 | 0.00000 | 196358.5 | 189218.7 | 0.0 | U/P |
| 32.475 | 0.0000 | 0.0000 | 86.450 | 1.01329 | 0.00000 | 196358.5 | 189249.1 | 0.0 | U/P |
| 32.483 | 0.0000 | 0.0000 | 86.449 | 1.01252 | 0.00000 | 196358.5 | 189279.5 | 0.0 | U/P |
| 32.492 | 0.0000 | 0.0000 | 86.447 | 1.01176 | 0.00000 | 196358.5 | 189309.8 | 0.0 | U/P |
| 32.500 | 0.0000 | 0.0000 | 86.445 | 1.01099 | 0.00000 | 196358.5 | 189340.2 | 0.0 | U/P |
| 32.508 | 0.0000 | 0.0000 | 86.443 | 1.01022 | 0.00000 | 196358.5 | 189370.5 | 0.0 | U/P |
| 32.517 | 0.0000 | 0.0000 | 86.442 | 1.00946 | 0.00000 | 196358.5 | 189400.8 | 0.0 | U/P |
| 32.525 | 0.0000 | 0.0000 | 86.440 | 1.00869 | 0.00000 | 196358.5 | 189431.1 | 0.0 | U/P |
| 32.533 | 0.0000 | 0.0000 | 86.438 | 1.00792 | 0.00000 | 196358.5 | 189461.3 | 0.0 | U/P |
| 32.542 | 0.0000 | 0.0000 | 86.436 | 1.00716 | 0.00000 | 196358.5 | 189491.5 | 0.0 | U/P |
| 32.550 | 0.0000 | 0.0000 | 86.435 | 1.00639 | 0.00000 | 196358.5 | 189521.8 | 0.0 | U/P |
| 32.558 | 0.0000 | 0.0000 | 86.433 | 1.00563 | 0.00000 | 196358.5 | 189551.9 | 0.0 | U/P |
| 32.567 | 0.0000 | 0.0000 | 86.431 | 1.00486 | 0.00000 | 196358.5 | 189582.1 | 0.0 | U/P |
| 32.575 | 0.0000 | 0.0000 | 86.430 | 1.00409 | 0.00000 | 196358.5 | 189612.2 | 0.0 | U/P |
| 32.583 | 0.0000 | 0.0000 | 86.428 | 1.00333 | 0.00000 | 196358.5 | 189642.3 | 0.0 | U/P |
| 32.592 | 0.0000 | 0.0000 | 86.426 | 1.00256 | 0.00000 | 196358.5 | 189672.4 | 0.0 | U/P |
| 32.600 | 0.0000 | 0.0000 | 86.424 | 1.00179 | 0.00000 | 196358.5 | 189702.5 | 0.0 | U/P |
| 32.608 | 0.0000 | 0.0000 | 86.423 | 1.00103 | 0.00000 | 196358.5 | 189732.5 | 0.0 | U/P |
| 32.617 | 0.0000 | 0.0000 | 86.421 | 1.00026 | 0.00000 | 196358.5 | 189762.5 | 0.0 | U/P |
| 32.625 | 0.0000 | 0.0000 | 86.419 | 0.99950 | 0.00000 | 196358.5 | 189792.5 | 0.0 | U/P |
| 32.633 | 0.0000 | 0.0000 | 86.417 | 0.99873 | 0.00000 | 196358.5 | 189822.5 | 0.0 | U/P |
| 32.642 | 0.0000 | 0.0000 | 86.416 | 0.99796 | 0.00000 | 196358.5 | 189852.5 | 0.0 | U/P |
| 32.650 | 0.0000 | 0.0000 | 86.414 | 0.99720 | 0.00000 | 196358.5 | 189882.4 | 0.0 | U/P |
| 32.658 | 0.0000 | 0.0000 | 86.412 | 0.99643 | 0.00000 | 196358.5 | 189912.3 | 0.0 | U/P |
| 32.667 | 0.0000 | 0.0000 | 86.410 | 0.99567 | 0.00000 | 196358.5 | 189942.2 | 0.0 | U/P |
| 32.675 | 0.0000 | 0.0000 | 86.409 | 0.99490 | 0.00000 | 196358.5 | 189972.0 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: Interim Pond 11100 Yr / 24 Hr w/ overflow from pond 10 10

| Elapsed Time (hours) | inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate (ft $1 / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative infiow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infilitration Volume ( $\mathrm{t}^{3}$ ) | Cumulative <br> Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32.683 | 0.0000 | 0.0000 | 86.407 | 0.99413 | 0.00000 | 196358.5 | 190001.9 | 0.0 | U/P |
| 32.692 | 0.0000 | 0.0000 | 86.405 | 0.99337 | 0.00000 | 196358.5 | 190031.7 | 0.0 | U/P |
| 32.700 | 0.0000 | 0.0000 | 86.403 | 0.99260 | 0.00000 | 196358.5 | 190061.5 | 0.0 | U/P |
| 32.708 | 0.0000 | 0.0000 | 86.402 | 0.99183 | 0.00000 | 196358.5 | 190091.3 | 0.0 | U/P |
| 32.717 | 0.0000 | 0.0000 | 86.400 | 0.99107 | 0.00000 | 196358.5 | 190121.0 | 0.0 | U/P |
| 32.725 | 0.0000 | 0.0000 | 86.398 | 0.99030 | 0.00000 | 196358.5 | 190150.7 | 0.0 | U/P |
| 32.733 | 0.0000 | 0.0000 | 86.397 | 0.98954 | 0.00000 | 196358.5 | 190180.4 | 0.0 | U/P |
| 32.742 | 0.0000 | 0.0000 | 86.395 | 0.98877 | 0.00000 | 196358.5 | 190210.1 | 0.0 | U/P |
| 32.750 | 0.0000 | 0.0000 | 86.393 | 0.98800 | 0.00000 | 196358.5 | 190239.7 | 0.0 | U/P |
| 32.758 | 0.0000 | 0.0000 | 86.391 | 0.98724 | 0.00000 | 196358.5 | 190269.4 | 0.0 | U/P |
| 32.767 | 0.0000 | 0.0000 | 86.390 | 0.98647 | 0.00000 | 196358.5 | 190299.0 | 0.0 | U/P |
| 32.775 | 0.0000 | 0.0000 | 86.388 | 0.98570 | 0.00000 | 196358.5 | 190328.5 | 0.0 | U/P |
| 32.783 | 0.0000 | 0.0000 | 86.386 | 0.98494 | 0.00000 | 196358.5 | 190358.1 | 0.0 | U/P |
| 32.792 | 0.0000 | 0.0000 | 86.384 | 0.98417 | 0.00000 | 196358.5 | 190387.6 | 0.0 | U/P |
| 32.800 | 0.0000 | 0.0000 | 86.383 | 0.98341 | 0.00000 | 196358.5 | 190417.2 | 0.0 | U/P |
| 32.808 | 0.0000 | 0.0000 | 86.381 | 0.98264 | 0.00000 | 196358.5 | 190446.7 | 0.0 | U/P |
| 32.817 | 0.0000 | 0.0000 | 86.379 | 0.98187 | 0.00000 | 196358.5 | 190476.1 | 0.0 | U/P |
| 32.825 | 0.0000 | 0.0000 | 86.377 | 0.98111 | 0.00000 | 196358.5 | 190505.6 | 0.0 | U/P |
| 32.833 | 0.0000 | 0.0000 | 86.376 | 0.98034 | 0.00000 | 196358.5 | 190535.0 | 0.0 | U/P |
| 32.842 | 0.0000 | 0.0000 | 86.374 | 0.97958 | 0.00000 | 196358.5 | 190564.4 | 0.0 | U/P |
| 32.850 | 0.0000 | 0.0000 | 86.372 | 0.97881 | 0.00000 | 196358.5 | 190593.8 | 0.0 | U/P |
| 32.858 | 0.0000 | 0.0000 | 86.370 | 0.97804 | 0.00000 | 196358.5 | 190623.1 | 0.0 | U/P |
| 32.867 | 0.0000 | 0.0000 | 86.369 | 0.97728 | 0.00000 | 196358.5 | 190652.4 | 0.0 | U/P |
| 32.875 | 0.0000 | 0.0000 | 86.367 | 0.97651 | 0.00000 | 196358.5 | 190681.8 | 0.0 | U/P |
| 32.883 | 0.0000 | 0.0000 | 86.365 | 0.97574 | 0.00000 | 196358.5 | 190711.0 | 0.0 | U/P |
| 32.892 | 0.0000 | 0.0000 | 86.364 | 0.97498 | 0.00000 | 196358.5 | 190740.3 | 0.0 | U/P |
| 32.900 | 0.0000 | 0.0000 | 86.362 | 0.97421 | 0.00000 | 196358.5 | 190769.5 | 0.0 | U/P |
| 32.908 | 0.0000 | 0.0000 | 86.360 | 0.97345 | 0.00000 | 196358.5 | 190798.8 | 0.0 | U/P |
| 32.917 | 0.0000 | 0.0000 | 86.358 | 0.97268 | 0.00000 | 196358.5 | 190827.9 | 0.0 | U/P |
| 32.925 | 0.0000 | 0.0000 | 86.357 | 0.97191 | 0.00000 | 196358.5 | 190857.1 | 0.0 | U/P |
| 32.933 | 0.0000 | 0.0000 | 86.355 | $0.97115^{\circ}$ | 0.00000 | 196358.5 | 190886.3 | 0.0 | U/P |
| 32.942 | 0.0000 | 0.0000 | 86.353 | 0.97038 | 0.00000 | 196358.5 | 190915.4 | 0.0 | U/P |
| 32.950 | 0.0000 | 0.0000 | 86.351 | 0.96961 | 0.00000 | 196358.5 | 190944.5 | 0.0 | U/P |
| 32.958 | 0.0000 | 0.0000 | 86.350 | 0.96885 | 0.00000 | 196358.5 | 190973.5 | 0.0 | U/P |
| 32.967 | 0.0000 | 0.0000 | 86.348 | 0.96808 | 0.00000 | 196358.5 | 191002.6 | 0.0 | U/P |
| 32.975 | 0.0000 | 0.0000 | 86.346 | 0.96732 | 0.00000 | 196358.5 | 191031.6 | 0.0 | U/P |
| 32.983 | 0.0000 | 0.0000 | 86.344 | 0.96655 | 0.00000 | 196358.5 | 191060.6 | 0.0 | U/P |
| 32.992 | 0.0000 | 0.0000 | 86.343 | 0.96578 | 0.00000 | 196358.5 | 191089.6 | 0.0 | U/P |
| 33.000 | 0.0000 | 0.0000 | 86.341 | 0.96502 | 0.00000 | 186358.5 | 191118.6 | 0.0 | U/P |
| 33.008 | 0.0000 | 0.0000 | 86.339 | 0.96425 | 0.00000 | 196358.5 | 191147.5 | 0.0 | U/P |
| 33.017 | 0.0000 | 0.0000 | 86.337 | 0.96349 | 0.00000 | 196358.5 | 191176.5 | 0.0 | U/P |
| 33.025 | 0.0000 | 0.0000 | 86.336 | 0.96272 | 0.00000 | 196358.5 | 191205.3 | 0.0 | U/P |
| 33.033 | 0.0000 | 0.0000 | 86.334 | 0.96195 | 0.00000 | 196358.5 | 191234.2 | 0.0 | U/P |
| 33.042 | 0.0000 | 0.0000 | 86.332 | 0.96119 | 0.00000 | 196358.5 | 191263.1 | 0.0 | U/P |
| 33.050 | 0.0000 | 0.0000 | 86.331 | 0.96042 | 0.00000 | 196358.5 | 191291.9 | 0.0 | U/P |
| 33.058 | 0.0000 | 0.0000 | 86.329 | 0.95965 | 0.00000 | 196358.5 | 191320.7 | 0.0 | U/P |
| 33.067 | 0.0000 | 0.0000 | 86.327 | 0.95889 | 0.00000 | 196358.5 | 191349.5 | 0.0 | U/P |
| 33.075 | 0.0000 | 0.0000 | 86.325 | 0.95812 | 0.00000 | 196358.5 | 191378.2 | 0.0 | U/P |
| 33.083 | 0.0000 | 0.0000 | 86.324 | 0.95736 | 0.00000 | 196358.5 | 191407.0 | 0.0 | U/P |
| 33.092 | 0.0000 | 0.0000 | 86.322 | 0.95659 | 0.00000 | 196358.5 | 191435.7 | 0.0 | U/P |
| 33.100 | 0.0000 | 0.0000 | 86.320 | 0.95582 | 0.00000 | 196358.5 | 191464.3 | 0.0 | U/P |
| 33.108 | 0.0000 | 0.0000 | 86.318 | 0.95506 | 0.00000 | 196358.5 | 191493.0 | 0.0 | U/P |
| 33.117 | 0.0000 | 0.0000 | 86.317 | 0.95429 | 0.00000 | 196358.5 | 191521.7 | 0.0 | U/P |
| 33.125 | 0.0000 | 0.0000 | 86.315 | 0.95353 | 0.00000 | 196358.5 | 191550.3 | 0.0 | U/P |
| 33.133 | 0.0000 | 0.0000 | 86.313 | 0.95276 | 0.00000 | 196358.5 | 191578.9 | 0.0 | U/P |
| 33.142 | 0.0000 | 0.0000 | 86.311 | 0.95199 | 0.00000 | 196358.5 | 191607.4 | 0.0 | U/P |
| 33.150 | 0.0000 | 0.0000 | 86.310 | 0.95123 | 0.00000 | 196358.5 | 191636.0 | 0.0 | U/P |
| 33.158 | 0.0000 | 0.0000 | 86.308 | 0.95046 | 0.00000 | 196358.5 | 191664.5 | 0.0 | U/P |
| 33.167 | 0.0000 | 0.0000 | 86.306 | 0.94969 | 0.00000 | 196358.5 | 191693.0 | 0.0 | U/P |
| 33.175 | 0.0000 | 0.0000 | 86.304 | 0.94893 | 0.00000 | 196358.5 | 191721.5 | 0.0 | U/P |
| 33.183 | 0.0000 | 0.0000 | 86.303 | 0.94816 | 0.00000 | 196358.5 | 191749.9 | 0.0 | U/P |
| 33.192 | 0.0000 | 0.0000 | 86.301 | 0.94740 | 0.00000 | 196358.5 | 191778.4 | 0.0 | U/P |
| 33.200 | 0.0000 | 0.0000 | 86.299 | 0.94663 | 0.00000 | 196358.5 | 191806.8 | 0.0 | U/P |
| 33.208 | 0.0000 | 0.0000 | 86.298 | 0.94586 | 0.00000 | 196358.5 | 191835.2 | 0.0 | U/P |
| 33.217 | 0.0000 | 0.0000 | 86.296 | 0.94510 | 0.00000 | 196358.5 | 191863.5 | 0.0 | U/P |
| 33.225 | 0.0000 | 0.0000 | 86.294 | 0.94433 | 0.00000 | 196358.5 | 191891.9 | 0.0 | U/P |
| 33.233 | 0.0000 | 0.0000 | 86.292 | 0.94356 | 0.00000 | 196358.5 | 191920.2 | 0.0 | U/P |
| 33.242 | 0.0000 | 0.0000 | 86.291 | 0.94280 | 0.00000 | 196358.5 | 191948.5 | 0.0 | U/P |
| 33.250 | 0.0000 | 0.0000 | 86.289 | 0.94203 | 0.00000 | 196358.5 | 191976.8 | 0.0 | U/P |
| 33.258 | 0.0000 | 0.0000 | 86.287 | 0.94127 | 0.00000 | 196358.5 | 192005.0 | 0.0 | U/P |
| 33.267 | 0.0000 | 0.0000 | 86.285 | 0.94050 | 0.00000 | 196358.5 | 192033.2 | 0.0 | U/P |
| 33.275 | 0.0000 | 0.0000 | 86.284 | 0.93973 | 0.00000 | 196358.5 | 192061.5 | 0.0 | U/P |
| 33.283 | 0.0000 | 0.0000 | 86.282 | 0.93897 | 0.00000 | 196358.5 | 192089.6 | 0.0 | U/P |
| 33.292 | 0.0000 | 0.0000 | 86.280 | 0.93820 | 0.00000 | 196358.5 | 192117.8 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Interim Pond $11100 \mathrm{Yr} / 24 \mathrm{Hr}$ w/ overflow from pond 10

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 /} / \mathrm{s}$ ) | Outside Recharge (fl/day) | Stage Elevation (ft datum) | Infiltration Rate (f13/s) | Overfiow Discharge (ft ${ }^{3} / \mathrm{s}$ ) | Cumulative inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{fl}^{3}$ ) | Curnulative Discharge Volume (fty) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 33.300 | 0.0000 | 0.0000 | 86.278 | 0.93744 | 0.00000 | 196358.5 | 192145.9 | 0.0 | U/P |
| 33.308 | 0.0000 | 0.0000 | 86.277 | 0.93667 | 0.00000 | 196358.5 | 192174.0 | 0.0 | U/P |
| 33.317 | 0.0000 | 0.0000 | 86.275 | 0.93590 | 0.00000 | 196358.5 | 192202.1 | 0.0 | U/P |
| 33.325 | 0.0000 | 0.0000 | 86.273 | 0.93514 | 0.00000 | 196358.5 | 192230.2 | 0.0 | U/P |
| 33.333 | 0.0000 | 0.0000 | 86.271 | 0.93437 | 0.00000 | 196358.5 | 192258.2 | 0.0 | U/P |
| 33.342 | 0.0000 | 0.0000 | 86.270 | 0.93360 | 0.00000 | 196358.5 | 192286.3 | 0.0 | U/P |
| 33.350 | 0.0000 | 0.0000 | 86.268 | 0.93284 | 0.00000 | 196358.5 | 192314.3 | 0.0 | U/P |
| 33.358 | 0.0000 | 0.0000 | 86.266 | 0.93207 | 0.00000 | 196358.5 | 192342.2 | 0.0 | U/P |
| 33.367 | 0.0000 | 0.0000 | 86.265 | 0.93131 | 0.00000 | 196358.5 | 192370.2 | 0.0 | U/P |
| 33.375 | 0.0000 | 0.0000 | 86.263 | 0.93054 | 0.00000 | 196358.5 | 192398.1 | 0.0 | U/P |
| 33.383 | 0.0000 | 0.0000 | 86.261 | 0.92977 | 0.00000 | 196358.5 | 192426.0 | 0.0 | U/P |
| 33.392 | 0.0000 | 0.0000 | 86.259 | 0.92901 | 0.00000 | 196358.5 | 192453.9 | 0.0 | U/P |
| 33.400 | 0.0000 | 0.0000 | 86.258 | 0.92824 | 0.00000 | 196358.5 | 192481.7 | 0.0 | U/P |
| 33.408 | 0.0000 | 0.0000 | 86.256 | 0.92747 | 0.00000 | 196358.5 | 192509.6 | 0.0 | U/P |
| 33.417 | 0.0000 | 0.0000 | 86.254 | 0.92671 | 0.00000 | 196358.5 | 192537.4 | 0.0 | U/P |
| 33.425 | 0.0000 | 0.0000 | 86.252 | 0.92594 | 0.00000 | 196358.5 | 192565.2 | 0.0 | U/P |
| 33.433 | 0.0000 | 0.0000 | 86.251 | 0.92518 | 0.00000 | 196358.5 | 192592.9 | 0.0 | U/P |
| 33.442 | 0.0000 | 0.0000 | 86.249 | 0.92441 | 0.00000 | 196358.5 | 192620.7 | 0.0 | U/P |
| 33.450 | 0.0000 | 0.0000 | 86.247 | 0.92364 | 0.00000 | 196358.5 | 192648.4 | 0.0 | U/P |
| 33.458 | 0.0000 | 0.0000 | 86.245 | 0.92288 | 0.00000 | 196358.5 | 192676.1 | 0.0 | U/P |
| 33.467 | 0.0000 | 0.0000 | 86.244 | 0.92211 | 0.00000 | 196358.5 | 192703.8 | 0.0 | U/P |
| 33.475 | 0.0000 | 0.0000 | 86.242 | 0.92135 | 0.00000 | 196358.5 | 192731.4 | 0.0 | U/P |
| 33.483 | 0.0000 | 0.0000 | 86.240 | 0.92058 | 0.00000 | 196358.5 | 192759.1 | 0.0 | U/P |
| 33.492 | 0.0000 | 0.0000 | 86.238 | 0.91981 | 0.00000 | 196358.5 | 192786.7 | 0.0 | U/P |
| 33.500 | 0.0000 | 0.0000 | 86.237 | 0.91905 | 0.00000 | 196358.5 | 192814.3 | 0.0 | U/P |
| 33.508 | 0.0000 | 0.0000 | 86.235 | 0.91828 | 0.00000 | 196358.5 | 192841.8 | 0.0 | U/P |
| 33.517 | 0.0000 | 0.0000 | 86.233 | 0.91751 | 0.00000 | 196358.5 | 192869.3 | 0.0 | U/P |
| 33.525 | 0.0000 | 0.0000 | 86.232 | 0.91675 | 0.00000 | 196358.5 | 192896.9 | 0.0 | U/P |
| 33.533 | 0.0000 | 0.0000 | 86.230 | 0.91598 | 0.00000 | 196358.5 | 192924.4 | 0.0 | U/P |
| 33.542 | 0.0000 | 0.0000 | 86.228 | 0.91522 | 0.00000 | 196358.5 | 192951.8 | 0.0 | U/P |
| 33.550 | 0.0000 | 0.0000 | 86.226 | 0.91445 | 0.00000 | $\uparrow 96358.5$ | 192979.3 | 0.0 | U/P |
| 33.558 | 0.0000 | 0.0000 | 86.225 | 0.91368 | 0.00000 | 196358.5 | 193006.7 | 0.0 | U/P |
| 33.567 | 0.0000 | 0.0000 | 86.223 | 0.91292 | 0.00000 | 196358.5 | 193034.1 | 0.0 | U/P |
| 33.575 | 0.0000 | 0.0000 | 86.221 | 0.91215 | 0.00000 | 196358.5 | 193061.5 | 0.0 | U/P |
| 33.583 | 0.0000 | 0.0000 | 86.219 | 0.91138 | 0.00000 | 196358.5 | 193088.8 | 0.0 | U/P |
| 33.592 | 0.0000 | 0.0000 | 86.218 | 0.91062 | 0.00000 | 196358.5 | 193116.1 | 0.0 | U/P |
| 33.600 | 0.0000 | 0.0000 | 86.216 | 0.90985 | 0.00000 | 196358.5 | 193143.5 | 0.0 | U/P |
| 33.608 | 0.0000 | 0.0000 | 86.214 | 0.90909 | 0.00000 | 196358.5 | 193170.7 | 0.0 | U/P |
| 33.617 | 0.0000 | 0.0000 | 86.212 | 0.90832 | 0.00000 | 196358.5 | 193198.0 | 0.0 | U/P |
| 33.625 | 0.0000 | 0.0000 | 86.211 | 0.90755 | 0.00000 | 196358.5 | 193225.2 | 0.0 | U/P |
| 33.633 | 0.0000 | 0.0000 | 86.209 | 0.90679 | 0.00000 | 196358.5 | 193252.5 | 0.0 | U/P |
| 33.642 | 0.0000 | 0.0000 | 86.207 | 0.90602 | 0.00000 | 196358.5 | 193279.6 | 0.0 | U/P |
| 33.650 | 0.0000 | 0.0000 | 86.205 | 0.90525 | 0.00000 | 196358.5 | 193306.8 | 0.0 | U/P |
| 33.658 | 0.0000 | 0.0000 | 86.204 | 0.90449 | 0.00000 | 196358.5 | 193334.0 | 0.0 | U/P |
| 33.667 | 0.0000 | 0.0000 | 86.202 | 0.90372 | 0.00000 | 196358.5 | 193361.1 | 0.0 | U/P |
| 33.675 | 0.0000 | 0.0000 | 86.200 | 0.90296 | 0.00000 | 196358.5 | 193388.2 | 0.0 | U/P |
| 33.683 | 0.0000 | 0.0000 | 86.199 | 0.90219 | 0.00000 | 196358.5 | 193415.3 | 0.0 | U/P |
| 33.692 | 0.0000 | 0.0000 | 86.197 | 0.90142 | 0.00000 | 196358.5 | 193442.3 | 0.0 | U/P |
| 33.700 | 0.0000 | 0.0000 | 86.195 | 0.90066 | 0.00000 | 196358.5 | 193469.3 | 0.0 | U/P |
| 33.708 | 0.0000 | 0.0000 | 86.193 | 0.89989 | 0.00000 | 196358.5 | 193496.4 | 0.0 | U/P |
| 33.717 | 0.0000 | 0.0000 | 86.192 | 0.89913 | 0.00000 | 196358.5 | 193523.3 | 0.0 | U/P |
| 33.725 | 0.0000 | 0.0000 | 86.190 | 0.89836 | 0.00000 | 196358.5 | 193550.3 | 0.0 | U/P |
| 33.733 | 0.0000 | 0.0000 | 86.188 | 0.89759 | 0.00000 | 196358.5 | 193577.2 | 0.0 | U/P |
| 33.742 | 0.0000 | 0.0000 | 86.186 | 0.89683 | 0.00000 | 196358.5 | 193604.2 | 0.0 | U/P |
| 33.750 | 0.0000 | 0.0000 | 86.185 | 0.89606 | 0.00000 | 196358.5 | 193631.0 | 0.0 | U/P |
| 33.758 | 0.0000 | 0.0000 | 86.183 | 0.89529 | 0.00000 | 196358.5 | 193657.9 | 0.0 | U/P |
| 33.767 | 0.0000 | 0.0000 | 86.181 | 0.89453 | 0.00000 | 196358.5 | 193684.8 | 0.0 | U/P |
| 33.775 | 0.0000 | 0.0000 | 86.179 | 0.89376 | 0.00000 | 196358.5 | 193711.6 | 0.0 | U/P |
| 33.783 | 0.0000 | 0.0000 | 86.178 | 0.89300 | 0.00000 | 196358.5 | 193738.4 | 0.0 | U/P |
| 33.792 | 0.0000 | 0.0000 | 86.176 | 0.89223 | 0.00000 | 196358.5 | 193765.2 | 0.0 | U/P |
| 33.800 | 0.0000 | 0.0000 | 86.174 | 0.89146 | 0.00000 | 196358.5 | 193791.9 | 0.0 | U/P |
| 33.808 | 0.0000 | 0.0000 | 86.172 | 0.89070 | 0.00000 | 196358.5 | 193818.7 | 0.0 | U/P |
| 33.817 | 0.0000 | 0.0000 | 86.171 | 0.88993 | 0.00000 | 196358.5 | 193845.4 | 0.0 | U/P |
| 33.825 | 0.0000 | 0.0000 | 86.169 | 0.88916 | 0.00000 | 196358.5 | 193872.1 | 0.0 | U/P |
| 33.833 | 0.0000 | 0.0000 | 86.167 | 0.88840 | 0.00000 | 196358.5 | 193898.7 | 0.0 | U/P |
| 33.842 | 0.0000 | 0.0000 | 86.166 | 0.88763 | 0.00000 | 196358.5 | 193925.4 | 0.0 | U/P |
| 33.850 | 0.0000 | 0.0000 | 86.164 | 0.88687 | 0.00000 | 196358.5 | 193952.0 | 0.0 | U/P |
| 33.858 | 0.0000 | 0.0000 | 86.162 | 0.88610 | 0.00000 | 196358.5 | 193978.6 | 0.0 | U/P |
| 33.867 | 0.0000 | 0.0000 | 86.160 | 0.88533 | 0.00000 | 196358.5 | 194005.1 | 0.0 | U/P |
| 33.875 | 0.0000 | 0.0000 | 86.159 | 0.88457 | 0.00000 | 196358.5 | 194031.7 | 0.0 | U/P |
| 33.883 | 0.0000 | 0.0000 | 86.157 | 0.88380 | 0.00000 | 196358.5 | 194058.2 | 0.0 | U/P |
| 33.892 | 0.0000 | 0.0000 | 86.155 | 0.88303 | 0.00000 | 196358.5 | 194084.7 | 0.0 | U/P |
| 33.900 | 0.0000 | 0.0000 | 86.153 | 0.88227 | 0.00000 | 196358.5 | 194111.2 | 0.0 | U/P |
| 33.908 | 0.0000 | 0.0000 | 86.152 | 0.88150 | 0.00000 | 196358.5 | 194137.7 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Interim Pond $11100 \mathrm{Yr} / 24 \mathrm{Hr}$ w/ overflow from pond 10

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / 3}$ ) | Outside Recharge (ftday) | Stage Elevation (ft daturn) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overfiow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 33.917 | 0.0000 | 0.0000 | 86.150 | 0.88074 | 0.00000 | 196358.5 | 194164.1 | 0.0 | U/P |
| 33.925 | 0.0000 | 0.0000 | 86.148 | 0.87997 | 0.00000 | 196358.5 | 194190.5 | 0.0 | U/P |
| 33.933 | 0.0000 | 0.0000 | 86.146 | 0.87920 | 0.00000 | 196358.5 | 194216.9 | 0.0 | U/P |
| 33.942 | 0.0000 | 0.0000 | 86.145 | 0.87844 | 0.00000 | 196358.5 | 194243.3 | 0.0 | U/P |
| 33.950 | 0.0000 | 0.0000 | 86.143 | 0.87767 | 0.00000 | 196358.5 | 194269.6 | 0.0 | U/P |
| 33.958 | 0.0000 | 0.0000 | 86.141 | 0.87691 | 0.00000 | 196358.5 | 194295.9 | 0.0 | U/P |
| 33.967 | 0.0000 | 0.0000 | 86.139 | 0.87614 | 0.00000 | 196358.5 | 194322.2 | 0.0 | U/P |
| 33.975 | 0.0000 | 0.0000 | 86.138 | 0.87537 | 0.00000 | 196358.5 | 194348.5 | 0.0 | U/P |
| 33.983 | 0.0000 | 0.0000 | 86.136 | 0.87461 | 0.00000 | 196358.5 | 194374.7 | 0.0 | U/P |
| 33.992 | 0.0000 | 0.0000 | 86.134 | 0.87384 | 0.00000 | 196358.5 | 194401.0 | 0.0 | U/P |
| 34.000 | 0.0000 | 0.0000 | 86.133 | 0.87307 | 0.00000 | 196358.5 | 194427.2 | 0.0 | U/P |
| 34.008 | 0.0000 | 0.0000 | 86.131 | 0.87231 | 0.00000 | 196358.5 | 194453.3 | 0.0 | U/P |
| 34.017 | 0.0000 | 0.0000 | 86.129 | 0.87154 | 0.00000 | 196358.5 | 194479.5 | 0.0 | U/P |
| 34.025 | 0.0000 | 0.0000 | 86.127 | 0.87078 | 0.00000 | 196358.5 | 194505.6 | 0.0 | U/P |
| 34.033 | 0.0000 | 0.0000 | 86.126 | 0.87001 | 0.00000 | 196358.5 | 194531.8 | 0.0 | U/P |
| 34.042 | 0.0000 | 0.0000 | 86.124 | 0.86924 | 0.00000 | 196358.5 | 194557.8 | 0.0 | U/P |
| 34.050 | 0.0000 | 0.0000 | 86.122 | 0.86848 | 0.00000 | 196358.5 | 194583.9 | 0.0 | U/P |
| 34.058 | 0.0000 | 0.0000 | 86.120 | 0.86771 | 0.00000 | 196358.5 | 194609.9 | 0.0 | U/P |
| 34.067 | 0.0000 | 0.0000 | 86.119 | 0.86694 | 0.00000 | 196358.5 | 194636.0 | 0.0 | U/P |
| 34.075 | 0.0000 | 0.0000 | 86.117 | 0.86618 | 0.00000 | 196358.5 | 194662.0 | 0.0 | U/P |
| 34.083 | 0.0000 | 0.0000 | 86.115 | 0.86541 | 0.00000 | 196358.5 | 194687.9 | 0.0 | U/P |
| 34.092 | 0.0000 | 0.0000 | 86.113 | 0.86465 | 0.00000 | 196358.5 | 194713.9 | 0.0 | U/P |
| 34.100 | 0.0000 | 0.0000 | 86.112 | 0.86388 | 0.00000 | 196358.5 | 194739.8 | 0.0 | U/P |
| 34.108 | 0.0000 | 0.0000 | 86.110 | 0.86311 | 0.00000 | 196358.5 | 194765.7 | 0.0 | U/P |
| 34.117 | 0.0000 | 0.0000 | 86.108 | 0.86235 | 0.00000 | 196358.5 | 194791.6 | 0.0 | U/P |
| 34.125 | 0.0000 | 0.0000 | 86.106 | 0.86158 | 0.00000 | 196358.5 | 194817.5 | 0.0 | U/P |
| 34.133 | 0.0000 | 0.0000 | 86.105 | 0.86081 | 0.00000 | 196358.5 | 194843.3 | 0.0 | U/P |
| 34.142 | 0.0000 | 0.0000 | 86.103 | 0.86005 | 0.00000 | 196358.5 | 194869.1 | 0.0 | U/P |
| 34.150 | 0.0000 | 0.0000 | 86.101 | 0.85928 | 0.00000 | 196358.5 | 194894.9 | 0.0 | U/P |
| 34.158 | 0.0000 | 0.0000 | 86.100 | 0.85852 | 0.00000 | 196358.5 | 194920.7 | 0.0 | U/P |
| 34.167 | 0.0000 | 0.0000 | 86.098 | 0.85775 | 0.00000 | 196358.5 | 194946.4 | 0.0 | U/P |
| 34.175 | 0.0000 | 0.0000 | 86.096 | 0.85698 | 0.00000 | 196358.5 | 194972.1 | 0.0 | U/P |
| 34.183 | 0.0000 | 0.0000 | 86.094 | 0.85622 | 0.00000 | 196358.5 | 194997.8 | 0.0 | U/P |
| 34.192 | 0.0000 | 0.0000 | 86.093 | 0.85545 | 0.00000 | 196358.5 | 195023.5 | 0.0 | U/P |
| 34.200 | 0.0000 | 0.0000 | 86.091 | 0.85468 | 0.00000 | 196358.5 | 195049.2 | 0.0 | U/P |
| 34.208 | 0.0000 | 0.0000 | 86.089 | 0.85392 | 0.00000 | 196358.5 | 195074.8 | 0.0 | U/P |
| 34.217 | 0.0000 | 0.0000 | 86.087 | 0.85315 | 0.00000 | 196358.5 | 195100.4 | 0.0 | U/P |
| 34.225 | 0.0000 | 0.0000 | 86.086 | 0.85239 | 0.00000 | 196358.5 | 195126.0 | 0.0 | U/P |
| 34.233 | 0.0000 | 0.0000 | 86.084 | 0.85162 | 0.00000 | 196358.5 | 195151.5 | 0.0 | U/P |
| 34.242 | 0.0000 | 0.0000 | 86.082 | 0.85085 | 0.00000 | 196358.5 | 195177.1 | 0.0 | U/P |
| 34.250 | 0.0000 | 0.0000 | 86.080 | 0.85009 | 0.00000 | 196358.5 | 195202.6 | 0.0 | U/P |
| 34.258 | 0.0000 | 0.0000 | 86.079 | 0.84932 | 0.00000 | 196358.5 | 195228.1 | 0.0 | U/P |
| 34.267 | 0.0000 | 0.0000 | 86.077 | 0.84856 | 0.00000 | 196358.5 | 195253.5 | 0.0 | U/P |
| 34.275 | 0.0000 | 0.0000 | 86.075 | 0.84779 | 0.00000 | 196358.5 | 195279.0 | 0.0 | U/P |
| 34.283 | 0.0000 | 0.0000 | 86.073 | 0.84702 | 0.00000 | 196358.5 | 195304.4 | 0.0 | U/P |
| 34.292 | 0.0000 | 0.0000 | 86.072 | 0.84626 | 0.00000 | 196358.5 | 195329.8 | 0.0 | U/P |
| 34.300 | 0.0000 | 0.0000 | 86.070 | 0.84549 | 0.00000 | 196358.5 | 195355.2 | 0.0 | U/P |
| 34.308 | 0.0000 | 0.0000 | 86.068 | 0.84472 | 0.00000 | 196358.5 | 195380.5 | 0.0 | U/P |
| 34.317 | 0.0000 | 0.0000 | 86.067 | 0.84396 | 0.00000 | 196358.5 | 195405.9 | 0.0 | U/P |
| 34.325 | 0.0000 | 0.0000 | 86.065 | 0.84319 | 0.00000 | 196358.5 | 195431.2 | 0.0 | U/P |
| 34.333 | 0.0000 | 0.0000 | 86.063 | 0.84243 | 0.00000 | 196358.5 | 195456.5 | 0.0 | U/P |
| 34.342 | 0.0000 | 0.0000 | 86.061 | 0.84166 | 0.00000 | 196358.5 | 195481.7 | 0.0 | U/P |
| 34.350 | 0.0000 | 0.0000 | 86.060 | 0.84089 | 0.00000 | 196358.5 | 195507.0 | 0.0 | U/P |
| 34.358 | 0.0000 | 0.0000 | 86.058 | 0.84013 | 0.00000 | 196358.5 | 195532.2 | 0.0 | U/P |
| 34.367 | 0.0000 | 0.0000 | 86.056 | 0.83936 | 0.00000 | 196358.5 | 195557.4 | 0.0 | U/P |
| 34.375 | 0.0000 | 0.0000 | 86.054 | 0.83859 | 0.00000 | 196358.5 | 195582.5 | 0.0 | U/P |
| 34.383 | 0.0000 | 0.0000 | 86.053 | 0.83783 | 0.00000 | 196358.5 | 195607.7 | 0.0 | U/P |
| 34.392 | 0.0000 | 0.0000 | 86.051 | 0.83706 | 0.00000 | 196358.5 | 195632.8 | 0.0 | U/P |
| 34.400 | 0.0000 | 0.0000 | 86.049 | 0.83630 | 0.00000 | 196358.5 | 195657.9 | 0.0 | U/P |
| 34.408 | 0.0000 | 0.0000 | 86.047 | 0.83553 | 0.00000 | 196358.5 | 195683.0 | 0.0 | U/P |
| 34.417 | 0.0000 | 0.0000 | 86.046 | 0.83476 | 0.00000 | 196358.5 | 195708.0 | 0.0 | U/P |
| 34.425 | 0.0000 | 0.0000 | 86.044 | 0.83400 | 0.00000 | 196358.5 | 195733.1 | 0.0 | U/P |
| 34.433 | 0.0000 | 0.0000 | 86.042 | 0.83323 | 0.00000 | 196358.5 | 195758.1 | 0.0 | U/P |
| 34.442 | 0.0000 | 0.0000 | 86.040 | 0.83246 | 0.00000 | 196358.5 | 195783.1 | 0.0 | U/P |
| 34.450 | 0.0000 | 0.0000 | 86.039 | 0.83970 | 0.00000 | 196358.5 | 195808.0 | 0.0 | U/P |
| 34.458 | 0.0000 | 0.0000 | 86.037 | 0.83093 | 0.00000 | 196358.5 | 195833.0 | 0.0 | U/P |
| 34.467 | 0.0000 | 0.0000 | 86.035 | 0.83017 | 0.00000 | 196358.5 | 195857.9 | 0.0 | U/P |
| 34.475 | 0.0000 | 0.0000 | 86.034 | 0.82940 | 0.00000 | 196358.5 | 195882.8 | 0.0 | U/P |
| 34.483 | 0.0000 | 0.0000 | 86.032 | 0.82863 | 0.00000 | 196358.5 | 195907.6 | 0.0 | U/P |
| 34.492 | 0.0000 | 0.0000 | 86.030 | 0.82787 | 0.00000 | 196358.5 | 195932.5 | 0.0 | U/P |
| 34.500 | 0.0000 | 0.0000 | 86.028 | 0.82710 | 0.00000 | 196358.5 | 195957.3 | 0.0 | U/P |
| 34.508 | 0.0000 | 0.0000 | 86.027 | 0.82633 | 0.00000 | 196358.5 | 195982.1 | 0.0 | U/P |
| 34.517 | 0.0000 | 0.0000 | 86.025 | 0.82557 | 0.00000 | 196358.5 | 196006.9 | 0.0 | U/P |
| 34.525 | 0.0000 | 0.0000 | 86.023 | 0.82480 | 0.00000 | 196358.5 | 196031.7 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Interim Pond $11100 \mathrm{Yr} / 24 \mathrm{Hr}$ w/ overflow from pond 10

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate (ft ${ }^{3} \mathrm{~s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{Hi}^{3}$ ) | Cumulative Infilitration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 34.533 | 0.0000 | 0.0000 | 86.021 | 0.82404 | 0.00000 | 196358.5 | 196056.4 | 0.0 | U/P |
| 34.542 | 0.0000 | 0.0000 | 86.020 | 0.82327 | 0.00000 | 196358.5 | 196081.1 | 0.0 | U/P |
| 34.550 | 0.0000 | 0.0000 | 86.018 | 0.82250 | 0.00000 | 196358.5 | 196105.8 | 0.0 | U/P |
| 34.558 | 0.0000 | 0.0000 | 86.016 | 0.82174 | 0.00000 | 196358.5 | 196130.5 | 0.0 | U/P |
| 34.567 | 0.0000 | 0.0000 | 86.014 | 0.82097 | 0.00000 | 196358.5 | 196155.1 | 0.0 | U/P |
| 34.575 | 0.0000 | 0.0000 | 86.013 | 0.82020 | 0.00000 | 196358.5 | 196179.7 | 0.0 | U/P |
| 34.583 | 0.0000 | 0.0000 | 86.011 | 0.81944 | 0.00000 | 196358.5 | 196204.3 | 0.0 | U/P |
| 34.592 | 0.0000 | 0.0000 | 86.009 | 0.81867 | 0.00000 | 196358.5 | 196228.9 | 0.0 | U/P |
| 34.600 | 0.0000 | 0.0000 | 86.007 | 0.81791 | 0.00000 | 196358.5 | 196253.4 | 0.0 | U/P |
| 34.608 | 0.0000 | 0.0000 | 86.006 | 0.81714 | 0.00000 | 196358.5 | 196277.9 | 0.0 | U/P |
| 34.617 | 0.0000 | 0.0000 | 86.004 | 0.81637 | 0.00000 | 196358.5 | 196302.5 | 0.0 | U/P |
| 34.625 | 0.0000 | 0.0000 | 86.002 | 0.81561 | 0.00000 | 196358.5 | 196326.9 | 0.0 | U/P |
| 34.633 | 0.0000 | 0.0000 | 86.001 | 0.52549 | 0.00000 | 196358.5 | 196351.4 | 0.0 | U/P |
| 34.642 | 0.0000 | 0.0000 | 75.985 | 0.11787 | 0.00000 | 196358.5 | 196358.5 | 0.0 | U |
| 34.650 | 0.0000 | 0.0000 | 75.985 | 0.00000 | 0.00000 | 196358.5 | 196358.5 | 0.0 | U |
| 34.658 | 0.0000 | 0.0000 | 75.985 | 0.00000 | 0.00000 | 196358.5 | 196358.5 | 0.0 | U |
| 34.667 | 0.0000 | 0.0000 | 75.985 | 0.00000 | 0.00000 | 196358.5 | 196358.5 | 0.0 | U |
| 34.675 | 0.0000 | 0.0000 | 75.985 | 0.00000 | 0.00000 | 196358.5 | 196358.5 | 0.0 | U |
| 34.683 | 0.0000 | 0.0000 | 75.985 | 0.00000 | 0.00000 | 196358.5 | 196358.5 | 0.0 | U |
| 34.692 | 0.0000 | 0.0000 | 75.985 | 0.00000 | 0.00000 | 196358.5 | 196358.5 | 0.0 | U |
| 34.700 | 0.0000 | 0.0000 | 75.985 | 0.00000 | 0.00000 | 196358.5 | 196358.5 | 0.0 | U |
| 34.708 | 0.0000 | 0.0000 | 75.985 | 0.00000 | 0.00000 | 196358.5 | 196358.5 | 0.0 | U |
| 34.717 | 0.0000 | 0.0000 | 75.985 | 0.00000 | 0.00000 | 196358.5 | 196358.5 | 0.0 | U |
| 34.725 | 0.0000 | 0.0000 | 75.985 | 0.00000 | 0.00000 | 196358.5 | 196358.5 | 0.0 | U |
| 34.733 | 0.0000 | 0.0000 | 75.985 | 0.00000 | 0.00000 | 196358.5 | 196358.5 | 0.0 | U |
| 34.742 | 0.0000 | 0.0000 | 75.985 | 0.00000 | 0.00000 | 196358.5 | 196358.5 | 0.0 | U |
| 34.750 | 0.0000 | 0.0000 | 75.985 | 0.00000 | 0.00000 | 196358.5 | 196358.5 | 0.0 | U |
| 34.758 | 0.0000 | 0.0000 | 75.985 | 0.00000 | 0,00000 | 196358.5 | 196358.5 | 0.0 | U |
| 34.767 | 0.0000 | 0.0000 | 75.985 | 0.00000 | 0.00000 | 196358.5 | 196358.5 | 0.0 | U |
| 34.775 | 0.0000 | 0.0000 | 75.985 | 0.00000 | 0.00000 | 196358.5 | 196358.5 | 0.0 | U |
| 34.783 | 0.0000 | 0.0000 | 75.985 | 0.00000 | 0.00000 | 196358.5 | 196358.5 | 0.0 | U |
| 34.792 | 0.0000 | 0.0000 | 75.985 | 0.00000 | 0.00000 | 196358.5 | 196358.5 | 0.0 | U |
| 34.800 | 0.0000 | 0.0000 | 75.985 | 0.00000 | 0.00000 | 196358.5 | 196358.5 | 0.0 | U |
| 34.808 | 0.0000 | 0.0000 | 75.985 | 0.00000 | 0.00000 | 196358.5 | 196358.5 | 0.0 | U |
| 34.817 | 0.0000 | 0.0000 | 75.985 | 0.00000 | 0.00000 | 196358.5 | 196358.5 | 0.0 | U |
| 34.825 | 0.0000 | 0.0000 | 75.985 | 0.00000 | 0.00000 | 196358.5 | 196358.5 | 0.0 | U |
| 34.833 | 0.0000 | 0.0000 | 75.985 | 0.00000 | 0.00000 | 196358.5 | 196358.5 | 0.0 | U |
| 34.842 | 0.0000 | 0.0000 | 75.985 | 0.00000 | 0.00000 | 196358.5 | 196358.5 | 0.0 | U |
| 34.850 | 0.0000 | 0.0000 | 75.985 | 0.00000 | 0.00000 | 196358.5 | 196358.5 | 0.0 | U |
| 34.858 | 0.0000 | 0.0000 | 75.985 | 0.00000 | 0.00000 | 196358.5 | 196358.5 | 0.0 | U |
| 34.867 | 0.0000 | 0.0000 | 75.985 | 0.00000 | 0.00000 | 196358.5 | 196358.5 | 0.0 | U |
| 34.875 | 0.0000 | 0.0000 | 75.985 | 0.00000 | 0.00000 | 196358.5 | 196358.5 | 0.0 | U |
| 34.883 | 0.0000 | 0.0000 | 75.985 | 0.00000 | 0.00000 | 196358.5 | 196358.5 | 0.0 | U |
| 34.892 | 0.0000 | 0.0000 | 75.985 | 0.00000 | 0.00000 | 196358.5 | 196358.5 | 0.0 | U |
| 34.900 | 0.0000 | 0.0000 | 75.985 | 0.00000 | 0.00000 | 196358.5 | 196358.5 | 0.0 | U |
| 34.908 | 0.0000 | 0.0000 | 75.985 | 0.00000 | 0.00000 | 196358.5 | 196358.5 | 0.0 | U |
| 34.917 | 0.0000 | 0.0000 | 75.985 | 0.00000 | 0.00000 | 196358.5 | 196358.5 | 0.0 | U |
| 34.925 | 0.0000 | 0.0000 | 75.985 | 0.00000 | 0.00000 | 196358.5 | 196358.5 | 0.0 | U |
| 34.933 | 0.0000 | 0.0000 | 75.985 | 0.00000 | 0.00000 | 196358.5 | 196358.5 | 0.0 | U |
| 34.942 | 0.0000 | 0.0000 | 75.985 | 0.00000 | 0.00000 | 196358.5 | 196358.5 | 0.0 | U |
| 34.950 | 0.0000 | 0.0000 | 75.985 | 0.00000 | 0.00000 | 196358.5 | 196358.5 | 0.0 | U |
| 34.958 | 0.0000 | 0.0000 | 75.985 | 0.00000 | 0.00000 | 196358.5 | 196358.5 | 0.0 | U |
| 34.967 | 0.0000 | 0.0000 | 75.985 | 0.00000 | 0.00000 | 196358.5 | 196358.5 | 0.0 | U |
| 34.975 | 0.0000 | 0.0000 | 75.985 | 0.00000 | 0.00000 | 196358.5 | 196358.5 | 0.0 | U |
| 34.983 | 0.0000 | 0.0000 | 75.985 | 0.00000 | 0.00000 | 196358.5 | 196358.5 | 0.0 | U |
| 34.992 | 0.0000 | 0.0000 | 75.985 | 0.00000 | 0.00000 | 196358.5 | 196358.5 | 0.0 | U |
| 35.000 | 0.0000 | 0.0000 | 75.985 | 0.00000 | 0.00000 | 196358.5 | 196358.5 | 0.0 | U |
| 35.008 | 0.0000 | 0.0000 | 75.985 | 0.00000 | 0.00000 | 196358.5 | 196358.5 | 0.0 | U |
| 35.017 | 0.0000 | 0.0000 | 75.985 | 0.00000 | 0.00000 | 196358.5 | 196358.5 | 0.0 | U |
| 35.025 | 0.0000 | 0.0000 | 75.985 | 0.00000 | 0.00000 | 196358.5 | 196358.5 | 0.0 | U |
| 35.033 | 0.0000 | 0.0000 | 75.985 | 0.00000 | 0.00000 | 196358.5 | 196358.5 | 0.0 | U |
| 35.042 | 0.0000 | 0.0000 | 75.985 | 0.00000 | 0.00000 | 196358.5 | 196358.5 | 0.0 | U |
| 35.050 | 0.0000 | 0.0000 | 75.985 | 0.00000 | 0.00000 | 196358.5 | 196358.5 | 0.0 | U |
| 35.058 | 0.0000 | 0.0000 | 75.985 | 0.00000 | 0.00000 | 196358.5 | 196358.5 | 0.0 | U |
| 35.067 | 0.0000 | 0.0000 | 75.985 | 0.00000 | 0.00000 | 196358.5 | 196358.5 | 0.0 | U |
| 35.075 | 0.0000 | 0.0000 | 75.985 | 0.00000 | 0.00000 | 196358.5 | 196358.5 | 0.0 | U |
| 35.083 | 0.0000 | 0.0000 | 75.985 | 0.00000 | 0.00000 | 196358.5 | 196358.5 | 0.0 | U |
| 35.092 | 0.0000 | 0.0000 | 75.985 | 0.00000 | 0.00000 | 196358.5 | 196358.5 | 0.0 | U |
| 35.100 | 0.0000 | 0.0000 | 75.985 | 0.00000 | 0.00000 | \$96358.5 | 196358.5 | 0.0 | U |
| 35.108 | 0.0000 | 0.0000 | 75.985 | 0.00000 | 0.00000 | 196358.5 | 196358.5 | 0.0 | U |
| 35.117 | 0.0000 | 0.0000 | 75.985 | 0.00000 | 0.00000 | 196358.5 | 196358.5 | 0.0 | U |
| 35.125 | 0.0000 | 0.0000 | 75.985 | 0.00000 | 0.00000 | 196358.5 | 196358.5 | 0.0 | U |
| 35.133 | 0.0000 | 0.0000 | 75.985 | 0.00000 | 0.00000 | 196358.5 | 196358.5 | 0.0 | U |
| 35.142 | 0.0000 | 0.0000 | 75.985 | 0.00000 | 0.00000 | 196358.5 | 196358.5 | 0.0 | U |

# PONDS Routing and Recovery Analysis 

> Interim Plan Results

Pond 12<br>100-year / 24-Hour Storm<br>Input Report<br>Summary of Results<br>Detailed Results

(Pond dry at Hour 121)

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.

## Project Data

| Project Name: | Vista Landfill RedesignInterin Storm Water Plan |
| :--- | :--- |
| Simulation Description: | Pond $12-100$ Year/24 Hour Routing and Recovery Analysis w/ infiltration <br> Iterim Pond 12 |
| Project Number: | $10-2141$ |
| Engineer: | cms |
| Supervising Engineer: | cms |
| Date: | $01-06-2011$ |

## Aquifer Data

Base Of Aquifer Elevation, $[\mathrm{B}]$ (ft datum): ..... 61.00
Water Table Elevation, [WT] (ft datum): ..... 62.00
Horizontal Saturated Hydraulic Conductivity, [Kh] (ft/day): ..... 15.00
Fillable Porosity, [ n$]$ (\%): ..... 20.00
Unsaturated Vertical Infilitration Rate, [lv] (ft/day): ..... 5.0
Maximum Area For Unsaturated Infiltration, [Av] ( $\mathrm{ft}^{2}$ ): ..... 43821.0

## Geometry Data

Equivalent Pond Length, $[\mathrm{L}]$ (ft): ..... 800.0
Equivalent Pond Width, [W] (ft): ..... 120.0Ground water mound is expected to intersect the pond bottom

## Stage vs Area Data

| Stage <br> (ft datum) | Area <br> $\left(\mathrm{ft}^{2}\right)$ |
| ---: | :---: |
| 70.00 | 21649.0 |
| 71.00 | 23871.0 |
| 72.00 | 26136.0 |
| 73.00 | 28445.0 |
| 74.00 | 30840.0 |
| 75.00 | 33323.0 |
| 76.00 | 35850.0 |
| 77.00 | 38420.0 |
| 78.00 | 41077.0 |
| 79.00 | 43821.0 |

## Discharge Structures

Discharge Structure \#1 is inactive
Discharge Structure \#2 is inactive

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

## Discharge Structures (cont'd.)

Discharge Structure \#3 is inactive

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003

Devo Seereeram, Ph.D., P.E.

## Scenario Input Data

## Scenario 1 :: Pond 12 - 100 Year $/ 24$ Hour Routing

| Hydrograph Type: Modflow Routing: Repetitions: | Inline SCS |  |
| :---: | :---: | :---: |
|  | Routed with infiltration |  |
|  |  |  |
| Basin Area (acres) | 6.750 |  |
| Time Of Concentrat | (minutes) | 10.0 |
| DCIA (\%) |  | 0.0 |
| Curve Number |  | 98 |
| Design Rainfall Dep | (inches) | 10.6 |
| Design Rainfall Dura | tion (hours) | 24.0 |
| Shape Factor |  | UHG 484 |
| Rainfall Distribution |  | Orange County 100 Year - 24 Hour |
| Initial ground water | evel ( $\mathrm{ft} \mathrm{datum)}$ | default, 62.00 |
| Time After | Time After | Time After |
| Storm Event (days) | Storm Event (days) | Storm Event (days) |
| 1.000 | 6.000 | 11.000 |
| 2.000 | 7.000 | 14.000 |
| 3.000 | 8.000 |  |
| 4.000 | 9.000 |  |
| 5.000 | 10.000 |  |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Summary of Results :: Scenario 1 :: Pond 12-100 Year/24 Hour Routing

|  | Time (hours) | Stage (ft datum) | Rate $\left(f^{3} / \mathrm{s}\right)$ | Volume (ft ${ }^{3}$ ) |
| :---: | :---: | :---: | :---: | :---: |
| Stage |  |  |  |  |
| Minimum | 0.000 | 62.00 |  |  |
| Maximum | 14.022 | 75.86 |  |  |
| Inflow |  |  |  |  |
| Rate - Maximum - Positive | 9.000 |  | 14.8455 |  |
| Rate - Maximum - Negative | None |  | None |  |
| Cumulative Volume - Maximum Positive | 24.511 |  |  | 253940.0 |
| Cumulative Volume - Maximum Negative | None |  |  | None |
| Cumulative Volume - End of Simulation | 360.578 |  |  | 253940.0 |
| Infiltration |  |  |  |  |
| Rate - Maximum - Positive | 17.244 |  | 16.0968 |  |
| Rate - Maximum - Negative | None |  | None |  |
| Cumulative Volume - Maximum Positive | 120.578 |  |  | 253940.0 |
| Cumulative Volume - Maximum Negative | None |  |  | None |
| Cumulative Volume - End of Simulation | 360.578 |  |  | 253940.0 |
| Combined Discharge |  |  |  |  |
| Rate - Maximum - Positive | None |  | None |  |
| Rate - Maximum - Negative | None |  | None |  |
| Cumulative Volume - Maximum Positive | None |  |  | None |
| Cumulative Volume - Maximum Negative | None |  |  | None |
| Cumulative Volume - End of Simulation | 360.578 |  |  | 0.0 |
| Discharge Structure 1 - inactive disabled |  |  |  |  |
|  |  |  |  |  |
| Rate - Maximum - Negative | disabled |  | disabled |  |
| Cumulative Volume - Maximum Positive | disabled |  |  | disabled |
| Cumulative Volume - Maximum Negative | disabled |  |  | disabled |
| Cumulative Volume - End of Simulation | disabled |  |  | disabled |
| Discharge Structure 2 - inactive |  |  |  |  |
| Rate - Maximum - Positive | disabled |  | disabled |  |
| Rate - Maximum - Negative | disabled |  | disabled |  |
| Cumulative Volume - Maximum Positive | disabled |  |  | disabled |
| Cumulative Volume - Maximum Negative | disabled |  |  | disabled |
| Cumulative Volume - End of Simulation | disabled |  |  | disabled |
| Discharge Structure 3 - inactive disabled |  |  |  |  |
| Rate - Maximum - Positive | disabled |  | disabled |  |
| Rate - Maximum - Negative | disabled |  | disabled |  |
| Cumulative Volume - Maximum Positive | disabled |  |  | disabled |
| Cumulative Volume - Maximum Negative | disabled |  |  | disabled |
| Cumulative Volume - End of Simulation | disabled |  |  | disabled |
| Pollution Abatement: |  |  |  |  |
| 36 Hour Stage and Infiltration Volume | N.A. | N.A. |  | N.A. |
| 72 Hour Stage and Infiltration Volume | N.A. | N.A. |  | N.A. |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results :: Scenario 1 :: Pond 12 -100 Year / 24 Hour Routing

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (It/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 /} / \mathrm{s}$ ) | Overflow Discharge (fis/s) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 0.000 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | N.A. |
| 0.022 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.044 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.067 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.089 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.111 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.133 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.156 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.178 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.200 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.222 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.244 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.267 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.289 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.311 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.333 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.356 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.378 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.400 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.422 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.444 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.467 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.489 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.511 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.533 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.556 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.578 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.600 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.622 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.644 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.667 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.689 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.711 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.733 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.756 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.778 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.800 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.822 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.844 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.867 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.889 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.911 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.933 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.956 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.978 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.000 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.022 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.044 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.067 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.089 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.111 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.133 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.156 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.178 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.200 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.222 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.244 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.267 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.289 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.311 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.333 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.356 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.378 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.400 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.422 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.444 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.467 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.489 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.511 | 0.0000 | 0.0000 | 62.000 | 0.00001 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.533 | 0.0000 | 0.0000 | 62.000 | 0.00007 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.556 | 0.0002 | 0.0000 | 62.000 | 0.00035 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.578 | 0.0009 | 0.0000 | 62.000 | 0.00117 | 0.00000 | 0.1 | 0.1 | 0.0 | U |
| 1.600 | 0.0026 | 0.0000 | 62.000 | 0.00294 | 0.00000 | 0.2 | 0.2 | 0.0 | U |
| 1.622 | 0.0056 | 0.0000 | 62.000 | 0.00599 | 0.00000 | 0.5 | 0.5 | 0.0 | U |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 12-100 Year / 24 Hour Routing

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Enfiltration Rate $\left(\mathrm{ft}^{3 /} \mathrm{s}\right)$ | Overflow Dischafge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1.644 | 0.0101 | 0.0000 | 62.000 | 0.01039 | 0.00000 | 1.2 | 1.2 | 0.0 | U |
| 1.667 | 0.0158 | 0.0000 | 62.000 | 0.01605 | 0.00000 | 2.2 | 2.2 | 0.0 | U |
| 1.689 | 0.0225 | 0.0000 | 62.000 | 0.02270 | 0.00000 | 3.7 | 3.7 | 0.0 | U |
| 1.711 | 0.0300 | 0.0000 | 62.001 | 0.03005 | 0.00000 | 5.8 | 5.8 | 0.0 | U |
| 1.733 | 0.0378 | 0.0000 | 62.001 | 0.03783 | 0.00000 | 8.5 | 8.5 | 0.0 | U |
| 1.756 | 0.0458 | 0.0000 | 62.001 | 0.04586 | 0.00000 | 11.9 | 11.9 | 0.0 | U |
| 1.778 | 0.0540 | 0.0000 | 62.002 | 0.05400 | 0.00000 | 15.9 | 15.9 | 0.0 | U |
| 1.800 | 0.0622 | 0.0000 | 62.002 | 0.06216 | 0.00000 | 20.5 | 20.5 | 0.0 | U |
| 1.822 | 0.0703 | 0.0000 | 62.003 | 0.07029 | 0.00000 | 25.8 | 25.8 | 0.0 | U |
| 1.844 | 0.0784 | 0.0000 | 62.004 | 0.07833 | 0.00000 | 31.8 | 31.8 | 0.0 | U |
| 1.867 | 0.0863 | 0.0000 | 62.004 | 0.08626 | 0.00000 | 38.3 | 38.3 | 0.0 | U |
| 1.889 | 0.0941 | 0.0000 | 62.005 | 0.09405 | 0.00000 | 45.6 | 45.6 | 0.0 | U |
| 1.911 | 0.1017 | 0.0000 | 62.006 | 0.10171 | 0.00000 | 53.4 | 53.4 | 0.0 | U |
| 1.933 | 0.1092 | 0.0000 | 62.007 | 0.10920 | 0.00000 | 61.8 | 61.8 | 0.0 | U |
| 1.956 | 0.1166 | 0.0000 | 62.008 | 0.11654 | 0.00000 | 70.9 | 70.9 | 0.0 | U |
| 1.978 | 0.1238 | 0.0000 | 62.009 | 0.12382 | 0.00000 | 80.5 | 80.5 | 0.0 | U |
| 2.000 | 0.1312 | 0.0000 | 62.010 | 0.13154 | 0.00000 | 90.7 | 90.7 | 0.0 | U |
| 2.022 | 0.1400 | 0.0000 | 62.012 | 0.14077 | 0.00000 | 101.5 | 101.5 | 0.0 | U |
| 2.044 | 0.1518 | 0.0000 | 62.013 | 0.15278 | 0.00000 | 113.2 | 113.2 | 0.0 | U |
| 2.067 | 0.1675 | 0.0000 | 62.014 | 0.16816 | 0.00000 | 126.0 | 126.0 | 0.0 | U |
| 2.089 | 0.1859 | 0.0000 | 62.016 | 0.18611 | 0.00000 | 140.1 | 140.1 | 0.0 | U |
| 2.111 | 0.2052 | 0.0000 | 62.018 | 0.20510 | 0.00000 | 155.8 | 155.8 | 0.0 | U |
| 2.133 | 0.2241 | 0.0000 | 62.020 | 0.22374 | 0.00000 | 172.9 | 172.9 | 0.0 | U |
| 2.156 | 0.2416 | 0.0000 | 62.022 | 0.24108 | 0.00000 | 191.5 | 191.5 | 0.0 | U |
| 2.178 | 0.2571 | 0.0000 | 62.024 | 0.25672 | 0.00000 | 211.5 | 211.5 | 0.0 | U |
| 2.200 | 0.2711 | 0.0000 | 62.027 | 0.27085 | 0.00000 | 232.6 | 232.6 | 0.0 | U |
| 2.222 | 0.2841 | 0.0000 | 62.029 | 0.28386 | 0.00000 | 254.8 | 254.8 | 0.0 | U |
| 2.244 | 0.2962 | 0.0000 | 62.032 | 0.29599 | 0.00000 | 278.0 | 278.0 | 0.0 | U |
| 2.267 | 0.3075 | 0.0000 | 82.034 | 0.30740 | 0.00000 | 302.2 | 302.2 | 0.0 | U |
| 2.289 | 0.3183 | 0.0000 | 82.037 | 0.31822 | 0.00000 | 327.2 | 327.2 | 0.0 | U |
| 2.311 | 0.3286 | 0.0000 | 62.040 | 0.32853 | 0.00000 | 353.1 | 353.1 | 0.0 | U |
| 2.333 | 0.3385 | 0.0000 | 62.043 | 0.33840 | 0.00000 | 379.8 | 379.8 | 0.0 | U |
| 2.356 | 0.3480 | 0.0000 | 62.046 | 0.34788 | 0.00000 | 407.2 | 407.2 | 0.0 | U |
| 2.378 | 0.3571 | 0.0000 | 62.050 | 0.35702 | 0.00000 | 435.5 | 435.5 | 0.0 | U |
| 2.400 | 0.3659 | 0.0000 | 62.053 | 0.36585 | 0.00000 | 464.4 | 464.4 | 0.0 | U |
| 2.422 | 0.3745 | 0.0000 | 62.056 | 0.37440 | 0.00000 | 494.0 | 494.0 | 0.0 | U |
| 2.444 | 0.3827 | 0.0000 | 62.060 | 0.38268 | 0.00000 | 524.3 | 524.3 | 0.0 | U |
| 2.467 | 0.3908 | 0.0000 | 62.063 | 0.39071 | 0.00000 | 555.2 | 555.2 | 0.0 | U |
| 2.489 | 0.3986 | 0.0000 | 62.067 | 0.39888 | 0.00000 | 586.8 | 586.8 | 0.0 | U |
| 2.511 | 0.4076 | 0.0000 | 62.071 | 0.40858 | 0.00000 | 619.0 | 619.0 | 0.0 | U |
| 2.533 | 0.4205 | 0.0000 | 62.074 | 0.42218 | 0.00000 | 652.2 | 652.2 | 0.0 | U |
| 2.556 | 0.4401 | 0.0000 | 62.078 | 0.44185 | 0.00000 | 686.6 | 686.6 | 0.0 | U |
| 2.578 | 0.4667 | 0.0000 | 62.082 | 0.46751 | 0.00000 | 722.9 | 722.9 | 0.0 | U |
| 2.600 | 0.4966 | 0.0000 | 62.087 | 0.49658 | 0.00000 | 761.4 | 761.4 | 0.0 | U |
| 2.622 | 0.5265 | 0.0000 | 62.092 | 0.52587 | 0.00000 | 802.3 | 802.3 | 0.0 | U |
| 2.644 | 0.5539 | 0.0000 | 62.096 | 0.55292 | 0.00000 | 845.5 | 845.5 | 0.0 | U |
| 2.667 | 0.5773 | 0.0000 | 62.102 | 0.57630 | 0.00000 | 890.8 | 890.8 | 0.0 | U |
| 2.689 | 0.5966 | 0.0000 | 62.107 | 0.59592 | 0.00000 | 937.7 | 937.7 | 0.0 | U |
| 2.711 | 0.6131 | 0.0000 | 62.113 | 0.61258 | 0.00000 | 986.1 | 986.1 | 0.0 | U |
| 2.733 | 0.6275 | 0.0000 | 62.118 | 0.62713 | 0.00000 | 1035.7 | 1035.7 | 0.0 | U |
| 2.756 | 0.6404 | 0.0000 | 62.124 | 0.64010 | 0.00000 | 1086.5 | 1086.5 | 0.0 | U |
| 2.778 | 0.6521 | 0.0000 | 62.130 | 0.65182 | 0.00000 | 1138.2 | 1138.2 | 0.0 | U |
| 2.800 | 0.6628 | 0.0000 | 62.136 | 0.66258 | 0.00000 | 1190.8 | 1190.8 | 0.0 | U |
| 2.822 | 0.6727 | 0.0000 | 62.142 | 0.67257 | 0.00000 | 1244.2 | 1244.2 | 0.0 | U |
| 2.844 | 0.6821 | 0.0000 | 62.148 | 0.68193 | 0.00000 | 1298.4 | 1298.4 | 0.0 | U |
| 2.867 | 0.6909 | 0.0000 | 62.154 | 0.69079 | 0.00000 | 1353.3 | 1353.3 | 0.0 | U |
| 2.889 | 0.6993 | 0.0000 | 62.161 | 0.69921 | 0.00000 | 1408.9 | 1408.9 | 0.0 | U |
| 2.911 | 0.7073 | 0.0000 | 62.167 | 0.70726 | 0.00000 | 1465.2 | 1465.2 | 0.0 | U |
| 2.933 | 0.7151 | 0.0000 | 62.174 | 0.71498 | 0.00000 | 1522.1 | 1522.1 | 0.0 | U |
| 2.956 | 0.7225 | 0.0000 | 62.180 | 0.72242 | 0.00000 | 1579.6 | 1579.6 | 0.0 | U |
| 2.978 | 0.7297 | 0.0000 | 62.187 | 0.72960 | 0.00000 | 1637.6 | 1637.6 | 0.0 | U |
| 3.000 | 0.7366 | 0.0000 | 62.194 | 0.73873 | 0.00000 | 1696.3 | 1696.3 | 0.0 | U |
| 3.022 | 0.7521 | 0.0000 | 62.200 | 0.75667 | 0.00000 | 1755.8 | 1755.8 | 0.0 | U |
| 3.044 | 0.7859 | 0.0000 | 62.207 | 0.79371 | 0.00000 | 1817.4 | 1817.4 | 0.0 | U |
| 3.067 | 0.8509 | 0.0000 | 62.215 | 0.85705 | 0.00000 | 1882.8 | 1882.8 | 0.0 | U |
| 3.089 | 0.9405 | 0.0000 | 62.223 | 0.94232 | 0.00000 | 1954.5 | 1954.5 | 0.0 | U |
| 3.111 | 1.0375 | 0.0000 | 62.232 | 1.03625 | 0.00000 | 2033.6 | 2033.6 | 0.0 | U |
| 3.133 | 1.1296 | 0.0000 | 62.242 | 1.12659 | 0.00000 | 2120.3 | 2120.3 | 0.0 | U |
| 3.156 | 1.2097 | 0.0000 | 62.253 | 1.20505 | 0.00000 | 2213.9 | 2213.9 | 0.0 | U |
| 3.178 | 1.2712 | 0.0000 | 62.264 | 1.24665 | 0.00000 | 2313.1 | 2313.1 | 0.0 | U |
| 3.200 | 1.3182 | 0.0000 | 70.000 | 1.25285 | 0.00000 | 2416.7 | 2413.3 | 0.0 | U/P |
| 3.222 | 1.3556 | 0.0000 | 70.000 | 1.25288 | 0.00000 | 2523.6 | 2513.6 | 0.0 | U/P |
| 3.244 | 1.3866 | 0.0000 | 70.001 | 1.25292 | 0.00000 | 2633.3 | 2613.8 | 0.0 | U/P |
| 3.267 | 1.4120 | 0.0000 | 70.001 | 1.25299 | 0.00000 | 2745.3 | 2714.0 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $12-100$ Year/ 24 Hour Routing

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3 / 5}$ ) | Outside Recharge (fuday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 3.289 | 1.4337 | 0.0000 | 70.002 | 1.25306 | 0.00000 | 2859.1 | 2814.3 | 0.0 | U/P |
| 3.311 | 1.4523 | 0.0000 | 70.003 | 1.25315 | 0.00000 | 2974.5 | 2914.5 | 0.0 | U/P |
| 3.333 | 1.4687 | 0.0000 | 70.004 | 1.25324 | 0.00000 | 3091.4 | 3014.8 | 0.0 | U/P |
| 3.356 | 1.4833 | 0.0000 | 70.004 | 1.25334 | 0.00000 | 3209.4 | 3115.0 | 0.0 | U/P |
| 3.378 | 1.4966 | 0.0000 | 70.005 | 1.25345 | 0.00000 | 3328.6 | 3215.3 | 0.0 | U/P |
| 3.400 | 1.5089 | 0.0000 | 70.006 | 1.25357 | 0.00000 | 3448.9 | 3315.6 | 0.0 | U/P |
| 3.422 | 1.5202 | 0.0000 | 70.007 | 1.25369 | 0.00000 | 3570.0 | 3415.9 | 0.0 | U/P |
| 3.444 | 1.5308 | 0.0000 | 70.008 | 1.25382 | 0.00000 | 3692.1 | 3516.2 | 0.0 | U/P |
| 3.467 | 1.5408 | 0.0000 | 70.009 | 1.25395 | 0.00000 | 3814.9 | 3616.5 | 0.0 | U/P |
| 3.489 | 1.5503 | 0.0000 | 70.010 | 1.25408 | 0.00000 | 3938.6 | 3716.8 | 0.0 | U/P |
| 3.511 | 1.5603 | 0.0000 | 70.011 | 1.25422 | 0.00000 | 4063.0 | 3817.1 | 0.0 | U/P |
| 3.533 | 1.5745 | 0.0000 | 70.013 | 1.25437 | 0.00000 | 4188.4 | 3917.5 | 0.0 | U/P |
| 3.556 | \{. 5971 | 0.0000 | 70.014 | 1.25452 | 0.00000 | 4315.2 | 4017.8 | 0.0 | U/P |
| 3.578 | 1.6308 | 0.0000 | 70.015 | 1.25469 | 0.00000 | 4444.4 | 4118.2 | 0.0 | U/P |
| 3.600 | 1.6714 | 0.0000 | 70.017 | 1.25487 | 0.00000 | 4576.5 | 4218.6 | 0.0 | U/P |
| 3.622 | 1.7130 | 0.0000 | 70.018 | 1.25506 | 0.00000 | 4711.8 | 4319.0 | 0.0 | U/P |
| 3.644 | 1.7512 | 0.0000 | 70.020 | 1.25528 | 0.00000 | 4850.4 | 4419.4 | 0.0 | U/P |
| 3.667 | 1.7835 | 0.0000 | 70.022 | 1.25551 | 0.00000 | 4991.8 | 4519.8 | 0.0 | U/P |
| 3.689 | 1.8087 | 0.0000 | 70.024 | 1.25576 | 0.00000 | 5135.5 | 4620.3 | 0.0 | $U / \mathrm{P}$ |
| 3.711 | 1.8285 | 0.0000 | 70.026 | 1.25603 | 0.00000 | 5281.0 | 4720.7 | 0.0 | U/P |
| 3.733 | 1.8447 | 0.0000 | 70.028 | 1.25630 | 0.00000 | 5427.9 | 4821.2 | 0.0 | U/P |
| 3.756 | 1.8584 | 0.0000 | 70.030 | 1.25658 | 0.00000 | 5576.0 | 4921.8 | 0.0 | U/P |
| 3.778 | 1.8700 | 0.0000 | 70.032 | 1.25686 | 0.00000 | 5725.1 | 5022.3 | 0.0 | U/P |
| 3.800 | 1.8801 | 0.0000 | 70.035 | 1.25715 | 0.00000 | 5875.1 | 5122.9 | 0.0 | U/P |
| 3.822 | 1.8890 | 0.0000 | 70.037 | 1.25745 | 0.00000 | 6025.9 | 5223.4 | 0.0 | U/P |
| 3.844 | 1.8971 | 0.0000 | 70.039 | 1.25774 | 0.00000 | 6177.3 | 5324.0 | 0.0 | U/P |
| 3.867 | 1.9045 | 0.0000 | 70.042 | 1.25805 | 0.00000 | 6329.4 | 5424.7 | 0.0 | U/P |
| 3.889 | 1.9113 | 0.0000 | 70.044 | 1.25835 | 0.00000 | 6482.0 | 5525.3 | 0.0 | U/P |
| 3.911 | 1.9177 | 0.0000 | 70.047 | 1.25866 | 0.00000 | 6635.2 | 5626.0 | 0.0 | U/P |
| 3.933 | 1.9237 | 0.0000 | 70.049 | 1.25897 | 0.00000 | 6788.9 | 5726.7 | 0.0 | U/P |
| 3.956 | 1.9294 | 0.0000 | 70.051 | 1.25929 | 0.00000 | 6943.0 | 5827.4 | 0.0 | U/P |
| 3.978 | 1.9348 | 0.0000 | 70.054 | 1.25960 | 0.00000 | 7097.5 | 5928.2 | 0.0 | U/P |
| 4.000 | 1.9400 | 0.0000 | 70.056 | 1.25992 | 0.00000 | 7252.5 | 6029.0 | 0.0 | U/P |
| 4.022 | 1.9520 | 0.0000 | 70.059 | 1.26024 | 0.00000 | 7408.2 | 6129.8 | 0.0 | U/P |
| 4.044 | 1.9828 | 0.0000 | 70.061 | 1.26057 | 0.00000 | 7565.6 | 6230.6 | 0.0 | U/P |
| 4.067 | 2.0467 | 0.0000 | 70.064 | 1.26092 | 0.00000 | 7726.8 | 6331.5 | 0.0 | U/P |
| 4.089 | 2.1439 | 0.0000 | 70.067 | 1.26129 | 0.00000 | 7894.4 | 6432.4 | 0.0 | U/P |
| 4.111 | 2.2570 | 0.0000 | 70.071 | 1.26171 | 0.00000 | 8070.4 | 6533.3 | 0.0 | U/P |
| 4.133 | 2.3684 | 0.0000 | 70.075 | 1.26218 | 0.00000 | 8255.5 | 6634.2 | 0.0 | U/P |
| 4.156 | 2.4666 | 0.0000 | 70.079 | 1.26270 | 0.00000 | 8448.9 | 6735.2 | 0.0 | U/P |
| 4.178 | 2.5434 | 0.0000 | 70.083 | 1.26327 | 0.00000 | 8649.3 | 6836.3 | 0.0 | U/P |
| 4.200 | 2.5994 | 0.0000 | 70.088 | 1.26387 | 0.00000 | 8855.0 | 6937.4 | 0.0 | U/P |
| 4.222 | 2.6408 | 0.0000 | 70.093 | 1.26449 | 0.00000 | 9064.6 | 7038.5 | 0.0 | U/P |
| 4.244 | 2.6726 | 0.0000 | 70.098 | 1.26514 | 0.00000 | 9277.1 | 7139.7 | 0.0 | U/P |
| 4.267 | 2.6971 | 0.0000 | 70.103 | 1.26580 | 0.00000 | 9491.9 | 7240.9 | 0.0 | U/P |
| 4.289 | 2.7162 | 0.0000 | 70.109 | 1.26647 | 0.00000 | 9708.4 | 7342.2 | 0.0 | U/P |
| 4.311 | 2.7315 | 0.0000 | 70.114 | 1.26716 | 0.00000 | 9926.3 | 7443.6 | 0.0 | U/P |
| 4.333 | 2.7438 | 0.0000 | 70.119 | 1.26784 | 0.00000 | 10145.4 | 7545.0 | 0.0 | U/P |
| 4.356 | 2.7540 | 0.0000 | 70.125 | 1.26854 | 0.00000 | 10365.3 | 7646.4 | 0.0 | U/P |
| 4.378 | 2.7627 | 0.0000 | 70.130 | 1.26923 | 0.00000 | 10585.9 | 7747.9 | 0.0 | U/P |
| 4.400 | 2.7702 | 0.0000 | 70.136 | 1.26993 | 0.00000 | 10807.3 | 7849.5 | 0.0 | U/P |
| 4.422 | 2.7768 | 0.0000 | 70.141 | 1.27064 | 0.00000 | 11029.1 | 7951.1 | 0.0 | U/P |
| 4.444 | 2.7827 | 0.0000 | 70.147 | 1.27134 | 0.00000 | 11251.5 | 8052.8 | 0.0 | U/P |
| 4.467 | 2.7881 | 0.0000 | 70.152 | 1.27205 | 0.00000 | 11474.4 | 8154.5 | 0.0 | U/P |
| 4.489 | 2.7931 | 0.0000 | 70.158 | 1.27276 | 0.00000 | 11697.6 | 8256.3 | 0.0 | U/P |
| 4.511 | 2.7977 | 0.0000 | 70.163 | 1.27347 | 0.00000 | 11921.2 | 8358.2 | 0.0 | U/P |
| 4.533 | 2.8040 | 0.0000 | 70.169 | 1.27418 | 0.00000 | 12145.3 | 8460.1 | 0.0 | U/P |
| 4.556 | 2.8143 | 0.0000 | 70.174 | 1.27490 | 0.00000 | 12370.0 | 8562.0 | 0.0 | U/P |
| 4.578 | 2.8317 | 0.0000 | 70.180 | 1.27562 | 0.00000 | 12595.9 | 8664.1 | 0.0 | U/P |
| 4.600 | 2.8548 | 0.0000 | 70.186 | 1.27634 | 0.00000 | 12823.3 | 8766.1 | 0.0 | U/P |
| 4.622 | 2.8795 | 0.0000 | 70.191 | 1.27708 | 0.00000 | 13052.7 | 8868.3 | 0.0 | U/P |
| 4.644 | 2.9027 | 0.0000 | 70.197 | 1.27782 | 0.00000 | 13284.0 | 8970.5 | 0.0 | U/P |
| 4.667 | 2.9228 | 0.0000 | 70.203 | 1.27858 | 0.00000 | 13517.0 | 9072.7 | 0.0 | U/P |
| 4.689 | 2.9382 | 0.0000 | 70.209 | 1.27935 | 0.00000 | 13751.5 | 9175.0 | 0.0 | U/P |
| 4.711 | 2.9498 | 0.0000 | 70.215 | 1.28012 | 0.00000 | 13987.0 | 9277.4 | 0.0 | U/P |
| 4.733 | 2.9590 | 0.0000 | 70.221 | 1.28089 | 0.00000 | 14223.3 | 9379.9 | 0.0 | U/P |
| 4.756 | 2.9666 | 0.0000 | 70.227 | 1.28167 | 0.00000 | 14460.4 | 9482.4 | 0.0 | U/P |
| 4.778 | 2.9727 | 0.0000 | 70.233 | 1.28245 | 0.00000 | 14697.9 | 9584.9 | 0.0 | U/P |
| 4.800 | 2.9779 | 0.0000 | 70.239 | 1.28324 | 0.00000 | 14936.0 | 9687.5 | 0.0 | U/P |
| 4.822 | 2.9824 | 0.0000 | 70.246 | 1.28402 | 0.00000 | 15174.4 | 9790.2 | 0.0 | U/P |
| 4.844 | 2.9863 | 0.0000 | 70.252 | 1.28481 | 0.00000 | 15413.1 | 9893.0 | 0.0 | U/P |
| 4.867 | 2.9898 | 0.0000 | 70.258 | 1.28560 | 0.00000 | 15652.2 | 9995.8 | 0.0 | U/P |
| 4.889 | 2.9930 | 0.0000 | 70.264 | 1.28639 | 0.00000 | 75891.5 | 10098.7 | 0.0 | U/P |
| 4.911 | 2.9960 | 0.0000 | 70.270 | 1.28718 | 0.00000 | 16131.0 | 10201.6 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 12-100 Year/24 Hour Routing

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / 5}$ ) | Outside Recharge (ff/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{fl}^{3 / \mathrm{s}}$ ) | Overfiow Discharge (f $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{t}^{3}$ ) | Cumulative Infitration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4.933 | 2.9988 | 0.0000 | 70.276 | 1.28797 | 0.00000 | 16370.8 | 10304.6 | 0.0 | U/P |
| 4.956 | 3.0014 | 0.0000 | 70.282 | 1.28876 | 0.00000 | 16610.8 | 10407.7 | 0.0 | U/P |
| 4.978 | 3.0038 | 0.0000 | 70.289 | 1.28955 | 0.00000 | 16851.0 | 10510.8 | 0.0 | U/P |
| 5.000 | 3.0068 | 0.0000 | 70.295 | 1.29034 | 0.00000 | 17091.5 | 10614.0 | 0.0 | U/P |
| 5.022 | 3.0122 | 0.0000 | 70.301 | 1.29113 | 0.00000 | 17332.2 | 10717.3 | 0.0 | U/P |
| 5.044 | 3.0220 | 0.0000 | 70.307 | 1.29193 | 0.00000 | 17573.6 | 10820.6 | 0.0 | U/P |
| 5.067 | 3.0375 | 0.0000 | 70.313 | 1.29272 | 0.00000 | 17816.0 | 10924.0 | 0.0 | U/P |
| 5.089 | 3.0563 | 0.0000 | 70.320 | 1.29353 | 0.00000 | 18059.7 | 11027.5 | 0.0 | U/P |
| 5.111 | 3.0755 | 0.0000 | 70.326 | 1.29434 | 0.00000 | 18305.0 | 11131.0 | 0.0 | U/P |
| 5.133 | 3.0929 | 0.0000 | 70.332 | 1.29516 | 0.00000 | 18551.7 | 11234.5 | 0.0 | U/P |
| 5.156 | 3.1072 | 0.0000 | 70.339 | 1.29598 | 0.00000 | 18799.8 | 11338.2 | 0.0 | U/P |
| 5.178 | 3.1179 | 0.0000 | 70.345 | 1.29681 | 0.00000 | 19048.8 | 11441.9 | 0.0 | U/P |
| 5.200 | 3.1259 | 0.0000 | 70.352 | 1.29765 | 0.00000 | 19298.5 | 11545.7 | 0.0 | U/P |
| 5.222 | 3.1322 | 0.0000 | 70.358 | 1.29849 | 0.00000 | 19548.8 | 11649.5 | 0.0 | U/P |
| 5.244 | 3.1372 | 0.0000 | 70.365 | 1.29933 | 0.00000 | 19799.6 | 11753.4 | 0.0 | U/P |
| 5.267 | 3.1413 | 0.0000 | 70.371 | 1.30017 | 0.00000 | 20050.8 | 11857.4 | 0.0 | U/P |
| 5.289 | 3.1446 | 0.0000 | 70.378 | 1.30101 | 0.00000 | 20302.2 | 11961.5 | 0.0 | U/P |
| 5.311 | 3.1475 | 0.0000 | 70.385 | 1.30186 | 0.00000 | 20553.9 | 12065.6 | 0.0 | U/P |
| 5.333 | 3.1500 | 0.0000 | 70.391 | 1.30270 | 0.00000 | 20805.8 | 12169.8 | 0.0 | U/P |
| 5.356 | 3.1521 | 0.0000 | 70.398 | 1.30354 | 0.00000 | 21057.9 | 12274.0 | 0.0 | U/P |
| 5.378 | 3.1541 | 0.0000 | 70.404 | 1.30439 | 0.00000 | 21310.1 | 12378.3 | 0.0 | U/P |
| 5.400 | 3.1559 | 0.0000 | 70.411 | 1.30523 | 0.00000 | 21562.5 | 12482.7 | 0.0 | U/P |
| 5.422 | 3.1576 | 0.0000 | 70.417 | 1.30608 | 0.00000 | 21815.0 | 12587.2 | 0.0 | U/P |
| 5.444 | 3.1592 | 0.0000 | 70.424 | 1.30692 | 0.00000 | 22067.7 | 12691.7 | 0.0 | U/P |
| 5.467 | 3.1607 | 0.0000 | 70.430 | 1.30776 | 0.00000 | 22320.5 | 12796.3 | 0.0 | U/P |
| 5.489 | 3.1621 | 0.0000 | 70.437 | 1.30861 | 0.00000 | 22573.4 | 12900.9 | 0.0 | U/P |
| 5.511 | 3.1635 | 0.0000 | 70.444 | 1.30945 | 0.00000 | 22826.4 | 13005.7 | 0.0 | U/P |
| 5.533 | 3.1647 | 0.0000 | 70.450 | 1.31029 | 0.00000 | 23079.6 | 13110.4 | 0.0 | U/P |
| 5.556 | 3.1660 | 0.0000 | 70.457 | 1.31113 | 0.00000 | 23332.8 | 13215.3 | 0.0 | U/P |
| 5.578 | 3.1672 | 0.0000 | 70.463 | 1.31198 | 0.00000 | 23586.1 | 13320.2 | 0.0 | U/P |
| 5.600 | 3.1683 | 0.0000 | 70.470 | 1.31282 | 0.00000 | 23839.5 | 13425.2 | 0.0 | U/P |
| 5.622 | 3.1695 | 0.0000 | 70.476 | 1.31366 | 0.00000 | 24093.0 | 13530.3 | 0.0 | U/P |
| 5.644 | 3.1706 | 0.0000 | 70.483 | 1.31450 | 0.00000 | 24346.7 | 13635.4 | 0.0 | U/P |
| 5.667 | 3.1717 | 0.0000 | 70.489 | 1.31534 | 0.00000 | 24600.3 | 13740.6 | 0.0 | U/P |
| 5.689 | 3.1727 | 0.0000 | 70.496 | $1.316 \nmid 8$ | 0.00000 | 24854.1 | 13845.9 | 0.0 | U/P |
| 5.711 | 3.1738 | 0.0000 | 70.502 | 1.31702 | 0.00000 | 25108.0 | 13951.2 | 0.0 | U/P |
| 5.733 | 3.1748 | 0.0000 | 70.509 | 1.31786 | 0.00000 | 25361.9 | 14056.6 | 0.0 | U/P |
| 5.756 | 3.1758 | 0.0000 | 70.515 | 1.31870 | 0.00000 | 25615.9 | 14162.0 | 0.0 | U/P |
| 5.778 | 3.1768 | 0.0000 | 70.522 | 1.31953 | 0.00000 | 25870.0 | 14267.6 | 0.0 | U/P |
| 5.800 | 3.1777 | 0.0000 | 70.528 | 1.32037 | 0.00000 | 26124.2 | 14373.2 | 0.0 | U/P |
| 5.822 | 3.1787 | 0.0000 | 70.535 | 1.32121 | 0.00000 | 26378.5 | 14478.8 | 0.0 | U/P |
| 5.844 | 3.1796 | 0.0000 | 70.541 | 1.32205 | 0.00000 | 26632.8 | 14584.6 | 0.0 | U/P |
| 5.867 | 3.1805 | 0.0000 | 70.548 | 1.32288 | 0.00000 | 26887.2 | 14690.4 | 0.0 | U/P |
| 5.889 | 3.1814 | 0.0000 | 70.554 | 1.32372 | 0.00000 | 27141.7 | 14796.2 | 0.0 | U/P |
| 5.911 | 3.1822 | 0.0000 | 70.561 | 1.32455 | 0.00000 | 27396.2 | 14902.2 | 0.0 | U/P |
| 5.933 | 3.1831 | 0.0000 | 70.567 | 1.32539 | 0.00000 | 27650.8 | 15008.1 | 0.0 | U/P |
| 5.956 | 3.1839 | 0.0000 | 70.574 | 1.32622 | 0.00000 | 27905.5 | 15114.2 | 0.0 | U/P |
| 5.978 | 3.1847 | 0.0000 | 70.580 | 1.32706 | 0.00000 | 28160.3 | 15220.3 | 0.0 | U/P |
| 6.000 | 3.1855 | 0.0000 | 70.587 | 1.32789 | 0.00000 | 28415.1 | 15326.5 | 0.0 | U/P |
| 6.022 | 3.2381 | 0.0000 | 70.593 | 1.32873 | 0.00000 | 28672.0 | 15432.8 | 0.0 | U/P |
| 6.044 | 3.3996 | 0.0000 | 70.600 | 1.32959 | 0.00000 | 28937.5 | 15539.1 | 0.0 | U/P |
| 6.067 | 3.7426 | 0.0000 | 70.608 | 1.33054 | 0.00000 | 29223.2 | 15645.5 | 0.0 | U/P |
| 6.089 | 4.2257 | 0.0000 | 70.617 | 1.33164 | 0.00000 | 29541.9 | 15752.0 | 0.0 | U/P |
| 6.111 | 4.7454 | 0.0000 | 70.628 | 1.33293 | 0.00000 | 29900.8 | 15858.6 | 0.0 | U/P |
| 6.133 | 5.2291 | 0.0000 | 70.641 | 1.33445 | 0.00000 | 30299.8 | 15965.3 | 0.0 | U/P |
| 6.156 | 5.6352 | 0.0000 | 70.655 | 1.33618 | 0.00000 | 30734.3 | 16072.1 | 0.0 | U/P |
| 6.178 | 5.9276 | 0.0000 | 70.671 | 1.33808 | 0.00000 | 31196.8 | 16179.1 | 0.0 | U/P |
| 6.200 | 6.1319 | 0.0000 | 70.687 | 1.34011 | 0.00000 | 31679.2 | 16286.2 | 0.0 | U/P |
| 6.222 | 6.2793 | 0.0000 | 70.704 | 1.34223 | 0.00000 | 32175.7 | 16393.5 | 0.0 | U/P |
| 6.244 | 6.3889 | 0.0000 | 70.721 | 1.34442 | 0.00000 | 32682.4 | 16501.0 | 0.0 | U/P |
| 6.267 | 6.4673 | 0.0000 | 70.738 | 1.34664 | 0.00000 | 33196.6 | 16608.6 | 0.0 | U/P |
| 6.289 | 6.5249 | 0.0000 | 70.756 | 1.34890 | 0.00000 | 33716.3 | 16716.4 | 0.0 | U/P |
| 6.311 | 6.5670 | 0.0000 | 70.774 | 1.35118 | 0.00000 | 34240.0 | 16824.4 | 0.0 | U/P |
| 6.333 | 6.5976 | 0.0000 | 70.792 | 1.35348 | 0.00000 | 34766.6 | 16932.6 | 0.0 | U/P |
| 6.356 | 6.6204 | 0.0000 | 70.810 | 1.35578 | 0.00000 | 35295.3 | 17041.0 | 0.0 | U/P |
| 6.378 | 6.6374 | 0.0000 | 70.828 | 1.35809 | 0.00000 | 35825.6 | 17149.5 | 0.0 | U/P |
| 6.400 | 6.6503 | 0.0000 | 70.846 | 1.36040 | 0.00000 | 36357.1 | 17258.3 | 0.0 | U/P |
| 6.422 | 6.6599 | 0.0000 | 70.864 | 1.36272 | 0.00000 | 36889.5 | 17367.2 | 0.0 | U/P |
| 6.444 | 6.6674 | 0.0000 | 70.881 | 1.36503 | 0.00000 | 37422.6 | 17476.3 | 0.0 | U/P |
| 6.467 | 6.6736 | 0.0000 | 70.899 | 1.36734 | 0.00000 | 37956.3 | 17585.6 | 0.0 | U/P |
| 6.489 | 6.6785 | 0.0000 | 70.917 | 1.36965 | 0.00000 | 38490.4 | 17695.1 | 0.0 | U/P |
| 6.511 | 6.6861 | 0.0000 | 70.935 | 1.37195 | 0.00000 | 39025.0 | 17804.8 | 0.0 | U/P |
| 6.533 | 6.7088 | 0.0000 | 70.953 | 1.37426 | 0.00000 | 39560.8 | 17914.6 | 0.0 | U/P |
| 6.556 | 6.7612 | 0.0000 | 70.971 | 1.37657 | 0.00000 | 40099.6 | 18024.6 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: Pond 12 - 100 Year/ 24 Hour Routing

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{Ht}^{3} / \mathrm{s}$ ) | Overlow Discharge (f13/s) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{fl}^{3}$ ) | Cumulative <br> Discharge <br> Volume ( $\mathrm{ft}^{3}$ ) | Fiow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 6.578 | 6.8526 | 0.0000 | 70.989 | 1.37890 | 0.00000 | 40644.1 | 18134.9 | 0.0 | U/P |
| 6.600 | 6.9688 | 0.0000 | 71.008 | 1.38127 | 0.00000 | 41197.0 | 18245.3 | 0.0 | U/P |
| 6.622 | 7.0880 | 0.0000 | 71.027 | 1.38371 | 0.00000 | 41759.2 | 18355.9 | 0.0 | U/P |
| 6.644 | 7.1957 | 0.0000 | 71.046 | 1.38621 | 0.00000 | 42330.6 | 18466.7 | 0.0 | U/P |
| 6.667 | 7.2826 | 0.0000 | 71.066 | 1.38875 | 0.00000 | 42909.7 | 18577.7 | 0.0 | U/P |
| 6.689 | 7.3450 | 0.0000 | 71.085 | 1.39132 | 0.00000 | 43494.8 | 18688.9 | 0.0 | U/P |
| 6.711 | 7.3892 | 0.0000 | 71.105 | 1.39391 | 0.00000 | 44084.2 | 18800.3 | 0.0 | U/P |
| 6.733 | 7.4215 | 0.0000 | 71.125 | 1.39652 | 0.00000 | 44676.6 | 18911.9 | 0.0 | U/P |
| 6.756 | 7.4455 | 0.0000 | 71.145 | 1.39913 | 0.00000 | 45271.3 | 19023.7 | 0.0 | U/P |
| 6.778 | 7.4630 | 0.0000 | 71.165 | 1.40175 | 0.00000 | 45867.6 | 19135.7 | 0.0 | U/P |
| 6.800 | 7.4761 | 0.0000 | 71.185 | 1.40438 | 0.00000 | 46465.2 | 19248.0 | 0.0 | U/P |
| 6.822 | 7.4858 | 0.0000 | 71.205 | 1.40700 | 0.00000 | 47063.7 | 19360.4 | 0.0 | U/P |
| 6.844 | 7.4931 | 0.0000 | 71.225 | 1.40961 | 0.00000 | 47662.8 | 19473.1 | 0.0 | U/P |
| 6.867 | 7.4987 | 0.0000 | 71.245 | 1.41223 | 0.00000 | 48262.5 | 19586.0 | 0.0 | U/P |
| 6.889 | 7.5030 | 0.0000 | 71.265 | 1.41484 | 0.00000 | 48862.6 | 19699.1 | 0.0 | U/P |
| 6.911 | 7.5065 | 0.0000 | 71.285 | 1.41745 | 0.00000 | 49462.9 | 19812.4 | 0.0 | U/P |
| 6.933 | 7.5092 | 0.0000 | 71.305 | 1.42006 | 0.00000 | 50063.6 | 19925.9 | 0.0 | U/P |
| 6.956 | 7.5115 | 0.0000 | 71.324 | 1.42266 | 0.00000 | 50664.4 | 20039.6 | 0.0 | U/P |
| 6.978 | 7.5135 | 0.0000 | 71.344 | 1.42525 | 0.00000 | 51265.4 | 20153.5 | 0.0 | U/P |
| 7.000 | 7.5752 | 0.0000 | 71.364 | 1.42784 | 0.00000 | 51866.5 | 20267.6 | 0.0 | U/P |
| 7.022 | 7.5372 | 0.0000 | 71.384 | 1.43043 | 0.00000 | 52468.6 | 20381.9 | 0.0 | U/P |
| 7.044 | 7.6138 | 0.0000 | 71.404 | 1.43302 | 0.00000 | 53074.7 | 20496.5 | 0.0 | U/P |
| 7.067 | 7.7869 | 0.0000 | 71.424 | 1.43565 | 0.00000 | 53690.7 | 20611.2 | 0.0 | U/P |
| 7.089 | 8.0562 | 0.0000 | 71.445 | 1.43834 | 0.00000 | 54324.4 | 20726.2 | 0.0 | U/P |
| 7.111 | 8.3713 | 0.0000 | 71.466 | 1.44113 | 0.00000 | 54981.5 | 20841.4 | 0.0 | U/P |
| 7.133 | 8.6802 | 0.0000 | 71.489 | 1.44405 | 0.00000 | 55663.6 | 20956.8 | 0.0 | U/P |
| 7.156 | 8.9500 | 0.0000 | 71.513 | 1.44708 | 0.00000 | 56368.8 | 21072.4 | 0.0 | U/P |
| 7.178 | 9.1571 | 0.0000 | 71.537 | 1.45022 | 0.00000 | 57093.1 | 21188.3 | 0.0 | U/P |
| 7.200 | 9.3037 | 0.0000 | 71.562 | 1.45343 | 0.00000 | 57831.5 | 21304.4 | 0.0 | U/P |
| 7.222 | 9.4078 | 0.0000 | 71.587 | 1.45670 | 0.00000 | 58580.0 | 21420.8 | 0.0 | U/P |
| 7.244 | 9.4841 | 0.0000 | 71.612 | 1.46001 | 0.00000 | 59335.6 | 21537.5 | 0.0 | U/P |
| 7.267 | 9.5395 | 0.0000 | 71.638 | 1.46334 | 0.00000 | 60096.6 | 21654.4 | 0.0 | U/P |
| 7.289 | 9.5797 | 0.0000 | 71.663 | 1.46668 | 0.00000 | 60861.4 | 21771.6 | 0.0 | U/P |
| 7.311 | 9.6090 | 0.0000 | 71.689 | 1.47003 | 0.00000 | 61628.9 | 21889.1 | 0.0 | U/P |
| 7.333 | 9.6303 | 0.0000 | 71.714 | 1.47339 | 0.00000 | 62398.5 | 22006.8 | 0.0 | U/P |
| 7.356 | 9.6459 | 0.0000 | 71.740 | 1.47674 | 0.00000 | 63169.5 | 22124.9 | 0.0 | U/P |
| 7.378 | 9.6575 | 0.0000 | 71.766 | 1.48010 | 0.00000 | 63941.7 | 22243.1 | 0.0 | U/P |
| 7.400 | 9.6662 | 0.0000 | 71.791 | 1.48344 | 0.00000 | 64714.6 | 22361.7 | 0.0 | U/P |
| 7.422 | 9.6726 | 0.0000 | 71.817 | 1.48679 | 0.00000 | 65488.2 | 22480.5 | 0.0 | U/P |
| 7.444 | 9.6775 | 0.0000 | 71.842 | 1.49013 | 0.00000 | 66262.2 | 22599.6 | 0.0 | U/P |
| 7.467 | 9.6814 | 0.0000 | 71.867 | 1.49346 | 0.00000 | 67036.5 | 22718.9 | 0.0 | U/P |
| 7.489 | 9.6845 | 0.0000 | 71.893 | 1.49678 | 0.00000 | 67811.2 | 22838.5 | 0.0 | U/P |
| 7.511 | 9.6869 | 0.0000 | 71.918 | 1.50009 | 0.00000 | 68586.0 | 22958.4 | 0.0 | U/P |
| 7.533 | 9.7260 | 0.0000 | 71.943 | 1.50341 | 0.00000 | 69362.5 | 23078.5 | 0.0 | U/P |
| 7.556 | 9.8448 | 0.0000 | 71.969 | 1.50673 | 0.00000 | 70145.4 | 23198.9 | 0.0 | U/P |
| 7.578 | 10.0979 | 0.0000 | 71.995 | 1.51010 | 0.00000 | 70943.1 | 23319.6 | 0.0 | U/P |
| 7.600 | 10.4576 | 0.0000 | 72.021 | 1.51358 | 0.00000 | 71765.3 | 23440.5 | 0.0 | U/P |
| 7.622 | 10.8479 | 0.0000 | 72.049 | 1.51723 | 0.00000 | 72617.5 | 23561.8 | 0.0 | U/P |
| 7.644 | 11.2130 | 0.0000 | 72.078 | 1.52103 | 0.00000 | 73500.0 | 23683.3 | 0.0 | U/P |
| 7.667 | 11.5209 | 0.0000 | 72.108 | \$. 52496 | 0.00000 | 74409.3 | 23805.1 | 0.0 | U/P |
| 7.689 | 11.7439 | 0.0000 | 72.139 | 1.52900 | 0.00000 | 75339.9 | 23927.3 | 0.0 | U/P |
| 7.711 | 11.8998 | 0.0000 | 72.170 | 1.53312 | 0.00000 | 76285.6 | 24049.8 | 0.0 | U/P |
| 7.733 | 12.0117 | 0.0000 | 72.201 | 1.53729 | 0.00000 | 77242.1 | 24172.6 | 0.0 | U/P |
| 7.756 | 12.0946 | 0.0000 | 72.233 | 1.54150 | 0.00000 | 78206.4 | 24295.7 | 0.0 | U/P |
| 7.778 | 12.1538 | 0.0000 | 72.265 | 1.54573 | 0.00000 | 79176.3 | 24419.2 | 0.0 | U/P |
| 7.800 | 12.1970 | 0.0000 | 72.296 | 1.54996 | 0.00000 | 80150.3 | 24543.1 | 0.0 | U/P |
| 7.822 | 12.2284 | 0.0000 | 72.328 | 1.55421 | 0.00000 | 81127.3 | 24667.2 | 0.0 | U/P |
| 7.844 | 12.2510 | 0.0000 | 72.360 | 1.55845 | 0.00000 | 82106.5 | 24791.7 | 0.0 | U/P |
| 7.867 | 12.2676 | 0.0000 | 72.391 | 1.56269 | 0.00000 | 83087.3 | 24916.6 | 0.0 | U/P |
| 7.889 | 12.2799 | 0.0000 | 72.423 | 1.56692 | 0.00000 | 84069.2 | 25041.8 | 0.0 | U/P |
| 7.911 | 12.2890 | 0.0000 | 72.455 | 1.57114 | 0.00000 | 85051.9 | 25167.3 | 0.0 | U/P |
| 7.933 | 12.2956 | 0.0000 | 72.486 | 1.57536 | 0.00000 | 86035.3 | 25293.1 | 0.0 | U/P |
| 7.956 | 12.3007 | 0.0000 | 72.518 | 1.57956 | 0.00000 | 87019.2 | 25419.3 | 0.0 | U/P |
| 7.978 | 12.3047 | 0.0000 | 72.549 | 1.58375 | 0.00000 | 88003.4 | 25545.9 | 0.0 | U/P |
| 8.000 | 12.3214 | 0.0000 | 72.580 | 1.58794 | 0.00000 | 88988.4 | 25672.7 | 0.0 | U/P |
| 8.022 | 12.3898 | 0.0000 | 72.611 | 1.59212 | 0.00000 | 89976.9 | 25799.9 | 0.0 | U/P |
| 8.044 | 12.5556 | 0.0000 | 72.643 | 1.59632 | 0.00000 | 90974.7 | 25927.5 | 0.0 | U/P |
| 8.067 | 12.8417 | 0.0000 | 72.675 | 1,60057 | 0.00000 | 91990.6 | 26055.4 | 0.0 | U/P |
| 8.089 | 13.2024 | 0.0000 | 72.708 | 1.60492 | 0.00000 | 93032.3 | 26183.6 | 0.0 | U/P |
| 8.111 | 13.5705 | 0.0000 | 72.742 | 1.60938 | 0.00000 | 94103.2 | 26312.1 | 0.0 | U/P |
| 8.133 | 13.9013 | 0.0000 | 72.777 | 1.61397 | 0.00000 | 95202.1 | 26441.1 | 0.0 | U/P |
| 8.156 | 14.1662 | 0.0000 | 72.812 | 1.61866 | 0.00000 | 96324.8 | 26570.4 | 0.0 | U/P |
| 8.178 | 14.3548 | 0.0000 | 72.848 | 1.62345 | 0.00000 | 97465.6 | 26700.1 | 0.0 | U/P |
| 8.200 | 14.4876 | 0.0000 | 72.885 | 1.62828 | 0.00000 | 98619.3 | 26830.1 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 12-100 Year/24 Hour Routing

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (fl datum) | infilitration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overlow Discharge (ft ${ }^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative <br> Discharge <br> Volume ( $\mathrm{ff}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 8.222 | 14.5839 | 0.0000 | 72.921 | 1.63316 | 0.00000 | 99782.2 | 26960.6 | 0.0 | U/P |
| 8.244 | 14.6544 | 0.0000 | 72.958 | 1.63805 | 0.00000 | 100951.7 | 27091.4 | 0.0 | U/P |
| 8.267 | 14.7050 | 0.0000 | 72.995 | 1.64296 | 0.00000 | 102126.1 | 27222.7 | 0.0 | U/P |
| 8.289 | 14.7419 | 0.0000 | 73.031 | 1.64795 | 0.00000 | 103304.0 | 27354.3 | 0.0 | U/P |
| 8.311 | 14.7685 | 0.0000 | 73.068 | 1.65303 | 0.00000 | 104484.4 | 27486.3 | 0.0 | U/P |
| 8.333 | 14.7878 | 0.0000 | 73.105 | 1.65811 | 0.00000 | 105666.7 | 27618.8 | 0.0 | U/P |
| 8.356 | 14.8020 | 0.0000 | 73.141 | 1.66318 | 0.00000 | 106850.2 | 27751.6 | 0.0 | U/P |
| 8.378 | 14.8124 | 0.0000 | 73.178 | 1.66824 | 0.00000 | 108034.8 | 27884.9 | 0.0 | U/P |
| 8.400 | 14.8200 | 0.0000 | 73.214 | 1.67329 | 0.00000 | 109220.1 | 28018.6 | 0.0 | U/P |
| 8.422 | 14.8256 | 0.0000 | 73.250 | 1.67832 | 0.00000 | 110405.9 | 28152.6 | 0.0 | U/P |
| 8.444 | 14.8300 | 0.0000 | 73.287 | 1.68334 | 0.00000 | 111592.2 | 28287.1 | 0.0 | U/P |
| 8.467 | 14.8334 | 0.0000 | 73.323 | 1.68835 | 0.00000 | 112778.7 | 28422.0 | 0.0 | U/P |
| 8.489 | 14.8359 | 0.0000 | 73.359 | 1.69333 | 0.00000 | 113965.5 | 28557.2 | 0.0 | U/P |
| 8.511 | 14.8376 | 0.0000 | 73.394 | 1.69831 | 0.00000 | 115152.4 | 28692.9 | 0.0 | U/P |
| 8.533 | 14.8385 | 0.0000 | 73.430 | 1.70326 | 0.00000 | 116339.4 | 28829.0 | 0.0 | U/P |
| 8.556 | 14.8389 | 0.0000 | 73.466 | 1.70821 | 0.00000 | 117526.5 | 28965.4 | 0.0 | U/P |
| 8.578 | 14.8393 | 0.0000 | 73.501 | 1.71313 | 0.00000 | 118713.7 | 29102.3 | 0.0 | U/P |
| 8.600 | 14.8397 | 0.0000 | 73.537 | 1.71804 | 0.00000 | 119900.8 | 29239.5 | 0.0 | U/P |
| 8.622 | 14.8401 | 0.0000 | 73.572 | 1.72293 | 0.00000 | 121088.0 | 29377.2 | 0.0 | U/P |
| 8.644 | 14.8405 | 0.0000 | 73.607 | 1.72781 | 0.00000 | 122275.3 | 29515.2 | 0.0 | U/P |
| 8.667 | 14.8408 | 0.0000 | 73.642 | 1.73267 | 0.00000 | 123462.5 | 29653.6 | 0.0 | U/P |
| 8.689 | 14.8412 | 0.0000 | 73.677 | 1.73752 | 0.00000 | 124649.8 | 29792.4 | 0.0 | U/P |
| 8.711 | 14.8416 | 0.0000 | 73.712 | 1.74235 | 0.00000 | 125837.1 | 29931.6 | 0.0 | U/P |
| 8.733 | 14.8419 | 0.0000 | 73.746 | 1.74717 | 0.00000 | 127024.4 | 30071.2 | 0.0 | U/P |
| 8.756 | 14.8423 | 0.0000 | 73.781 | 1.75197 | 0.00000 | 128211.8 | 30211.2 | 0.0 | U/P |
| 8.778 | 14.8426 | 0.0000 | 73.816 | 1.75676 | 0.00000 | 129399.2 | 30351.5 | 0.0 | U/P |
| 8.800 | 14.8429 | 0.0000 | 73.850 | 1.76154 | 0.00000 | 130586.6 | 30492.2 | 0.0 | U/P |
| 8.822 | 14.8432 | 0.0000 | 73.884 | 1.76629 | 0.00000 | 131774.0 | 30633.3 | 0.0 | U/P |
| 8.844 | 14.8435 | 0.0000 | 73.918 | 1.77104 | 0.00000 | 132961.5 | 30774.8 | 0.0 | U/P |
| 8.867 | 14.8438 | 0.0000 | 73.952 | 1.77577 | 0.00000 | 134149.0 | 30916.7 | 0.0 | U/P |
| 8.889 | 14.8441 | 0.0000 | 73.986 | 1.78048 | 0.00000 | 135336.5 | 31059.0 | 0.0 | U/P |
| 8.911 | 14.8444 | 0.0000 | 74.020 | 1.78524 | 0.00000 | 136524.1 | 31201.6 | 0.0 | U/P |
| 8.933 | 14.8447 | 0.0000 | 74.054 | 1.79006 | 0.00000 | 137711.6 | 31344.6 | 0.0 | U/P |
| 8.956 | 14.8450 | 0.0000 | 74.088 | 1.79491 | 0.00000 | 138899.2 | 31488.0 | 0.0 | U/P |
| 8.978 | 14.8452 | 0.0000 | 74.121 | 1.79974 | 0.00000 | 140086.8 | 31631.8 | 0.0 | U/P |
| 9.000 | 14.8455 | 0.0000 | 74.155 | 1.80455 | 0.00000 | 141274.5 | 31776.0 | 0.0 | U/P |
| 9.022 | 14.7790 | 0.0000 | 74.188 | 1.80935 | 0.00000 | 142459.4 | 31920.5 | 0.0 | U/P |
| 9.044 | 14.5722 | 0.0000 | 74.221 | 1.81410 | 0.00000 | 143633.5 | 32065.5 | 0.0 | U/P |
| 9.067 | 14.1317 | 0.0000 | 74.253 | 1.81875 | 0.00000 | 144781.6 | 32210.8 | 0.0 | U/P |
| 9.089 | 13.5109 | 0.0000 | 74.283 | 1.82323 | 0.00000 | 145887.3 | 32356.5 | 0.0 | U/P |
| 9.111 | 12.8433 | 0.0000 | 74.312 | 1.82749 | 0.00000 | 146941.5 | 32502.5 | 0.0 | U/P |
| 9.133 | 12.2224 | 0.0000 | 74.339 | 1.83150 | 0.00000 | 147944.1 | 32648.9 | 0.0 | U/P |
| 9.156 | 11.7017 | 0.0000 | 74.365 | 1.83528 | 0.00000 | 148901.1 | 32795.5 | 0.0 | U/P |
| 9.178 | 11.3279 | 0.0000 | 74.389 | 1.83886 | 0.00000 | 149822.3 | 32942.5 | 0.0 | U/P |
| 9.200 | 11.0676 | 0.0000 | 74.412 | 1.84230 | 0.00000 | 150718.1 | 33089.7 | 0.0 | U/P |
| 9.222 | 10.8807 | 0.0000 | 74.435 | 1.84564 | 0.00000 | 151596.0 | 33237.3 | 0.0 | U/P |
| 9.244 | 10.7426 | 0.0000 | 74.458 | 1.84890 | 0.00000 | 152461.0 | 33385.0 | 0.0 | U/P |
| 9.267 | 10.6445 | 0.0000 | 74.480 | 1.85210 | 0.00000 | 153316.5 | 33533.1 | 0.0 | U/P |
| 9.289 | 10.5732 | 0.0000 | 74.502 | 1.85525 | 0.00000 | 154165.2 | 33681.4 | 0.0 | U/P |
| 9.311 | 10.5219 | 0.0000 | 74.523 | 1.85838 | 0.00000 | 155009.0 | 33829.9 | 0.0 | U/P |
| 9.333 | 10.4853 | 0.0000 | 74.545 | 1.86148 | 0.00000 | 155849.3 | 33978.7 | 0.0 | U/P |
| 9.356 | 10.4586 | 0.0000 | 74.566 | 1.86456 | 0.00000 | 156687.0 | 34127.8 | 0.0 | U/P |
| 9.378 | 10.4394 | 0.0000 | 74.588 | 1.86762 | 0.00000 | 157522.9 | 34277.1 | 0.0 | U/P |
| 9.400 | 10.4254 | 0.0000 | 74.609 | 1.87067 | 0.00000 | 158357.5 | 34426.6 | 0.0 | U/P |
| 9.422 | 10.4155 | 0.0000 | 74.630 | 1.87372 | 0.00000 | 159191.2 | 34576.4 | 0.0 | U/P |
| 9.444 | 10.4083 | 0.0000 | 74.651 | 1.87675 | 0.00000 | 160024.1 | 34726.4 | 0.0 | U/P |
| 9.467 | 10.4026 | 0.0000 | 74.672 | 1.87977 | 0.00000 | 160856.5 | 34876.6 | 0.0 | U/P |
| 9.489 | 10.3986 | 0.0000 | 74.693 | 1.88278 | 0.00000 | 161688.6 | 35027.1 | 0.0 | U/P |
| 9.511 | 10.3940 | 0.0000 | 74.714 | 1.88579 | 0.00000 | 162520.3 | 35177.9 | 0.0 | U/P |
| 9.533 | 10.3826 | 0.0000 | 74.735 | 1.88879 | 0.00000 | 163351.4 | 35328.9 | 0.0 | U/P |
| 9.556 | 10.3571 | 0.0000 | 74.755 | 1.89177 | 0.00000 | 164180.9 | 35480.1 | 0.0 | U/P |
| 9.578 | 10.3118 | 0.0000 | 74.776 | 1.89475 | 0.00000 | 165007.7 | 35631.6 | 0.0 | U/P |
| 9.600 | 10.2540 | 0.0000 | 74.796 | 1.89770 | 0.00000 | 165830.3 | 35783.3 | 0.0 | U/P |
| 9.622 | 10.1947 | 0.0000 | 74.817 | 1.90063 | 0.00000 | 166648.3 | 35935.2 | 0.0 | U/P |
| 9.644 | 10.1412 | 0.0000 | 74.837 | 1.90353 | 0.00000 | 167461.7 | 36087.4 | 0.0 | U/P |
| 9.667 | 10.0982 | 0.0000 | 74.857 | 1.90640 | 0.00000 | 168271.3 | 36239.8 | 0.0 | U/P |
| 9.689 | 10.0676 | 0.0000 | 74.877 | 1.90926 | 0.00000 | 169077.9 | 36392.4 | 0.0 | U/P |
| 9.711 | 10.0461 | 0.0000 | 74.896 | 1.91210 | 0.00000 | 169882.5 | 36545.2 | 0.0 | U/P |
| 9.733 | 10.0306 | 0.0000 | 74.916 | 1.91493 | 0.00000 | 170685.5 | 36698.3 | 0.0 | U/P |
| 9.756 | 10.0192 | 0.0000 | 74.936 | 1.91775 | 0.00000 | 171487.5 | 36851.6 | 0.0 | U/P |
| 9.778 | 10.0112 | 0.0000 | 74.955 | 1.92056 | 0.00000 | 172288.8 | 37005.2 | 0.0 | U/P |
| 9.800 | 10.0053 | 0.0000 | 74.975 | 1.92336 | 0.00000 | 173089.4 | 37158.9 | 0.0 | U/P |
| 9.822 | 10.0011 | 0.0000 | 74.994 | 1.92615 | 0.00000 | 173889.7 | 37312.9 | 0.0 | U/P |
| 9.844 | 9.9981 | 0.0000 | 75.013 | 1.92896 | 0.00000 | 174689.6 | 37467.1 | 0.0 | U/P |

Vista Landfill RedesignInterin Storm Water Plan

PONDS Version 3.2.0207

# Retention Pond Recovery - Refined Method <br> Copyright 2003 

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 12-100 Year / 24 Hour Routing

| Elapsed Time (hours) | inflow Rate ( $\mathrm{t}^{3 / \mathrm{s}}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 9.867 | 9.9960 | 0.0000 | 75.033 | 1.93178 | 0.00000 | 175489.4 | 37621.5 | 0.0 | U/P |
| 9.889 | 9.9944 | 0.0000 | 75.052 | 1.93460 | 0.00000 | 176289.0 | 37776.2 | 0.0 | U/P |
| 9.911 | 9.9933 | 0.0000 | 75.071 | 1.93742 | 0.00000 | 177088.5 | 37931.1 | 0.0 | U/P |
| 9.933 | 9.9926 | 0.0000 | 75.090 | 1.94023 | 0.00000 | 177888.0 | 38086.2 | 0.0 | U/P |
| 9.956 | 9.9920 | 0.0000 | 75.110 | 1.94304 | 0.00000 | 178687.3 | 38241.5 | 0.0 | U/P |
| 9.978 | 9.9916 | 0.0000 | 75.129 | 1.94584 | 0.00000 | 179486.7 | 38397.1 | 0.0 | U/P |
| 10.000 | 9.9913 | 0.0000 | 75.148 | 1.94864 | 0.00000 | 180286.0 | 38552.8 | 0.0 | U/P |
| 10.022 | 9.9445 | 0.0000 | 75.167 | 1.95143 | 0.00000 | 181083.4 | 38708.8 | 0.0 | U/P |
| 10.044 | 9.7737 | 0.0000 | 75.186 | 1.95419 | 0.00000 | 181872.2 | 38865.1 | 0.0 | U/P |
| 10.067 | 9.3846 | 0.0000 | 75.204 | 1.95688 | 0.00000 | 182638.5 | 39021.5 | 0.0 | U/P |
| 10.089 | 8.7777 | 0.0000 | 75.220 | 1.95943 | 0.00000 | $\uparrow 83365.0$ | 39178.2 | 0.0 | U/P |
| 10.111 | 8.0674 | 0.0000 | 75.236 | 1.96177 | 0.00000 | 184038.8 | 39335.0 | 0.0 | U/P |
| 10.133 | 7.3713 | 0.0000 | 75.249 | 1.96388 | 0.00000 | 184656.3 | 39492.0 | 0.0 | U/P |
| 10.156 | 6.7635 | 0.0000 | 75.261 | 1.96575 | 0.00000 | 185221.7 | 39649.2 | 0.0 | U/P |
| 10.178 | 6.2978 | 0.0000 | 75.272 | 1.96742 | 0.00000 | 185744.2 | 39806.6 | 0.0 | U/P |
| 10.200 | 5.9690 | 0.0000 | 75.282 | 1.96892 | 0.00000 | 186234.9 | 39964.0 | 0.0 | U/P |
| 10.222 | 5.7361 | 0.0000 | 75.291 | 1.97030 | 0.00000 | 186703.1 | 40121.6 | 0.0 | U/P |
| 10.244 | 5.5661 | 0.0000 | 75.300 | 1.97160 | 0.00000 | 187155.1 | 40279.3 | 0.0 | U/P |
| 10.267 | 5.4432 | 0.0000 | 75.308 | 1.97284 | 0.00000 | 187595.5 | 40437.0 | 0.0 | U/P |
| 10.289 | 5.3548 | 0.0000 | 75.316 | 1.97403 | 0.00000 | 188027.4 | 40594.9 | 0.0 | U/P |
| 10.311 | 5.2908 | 0.0000 | 75.324 | 1.97519 | 0.00000 | 188453.3 | 40752.9 | 0.0 | U/P |
| 10.333 | 5.2450 | 0.0000 | 75.332 | 1.97633 | 0.00000 | 188874.7 | 40911.0 | 0.0 | U/P |
| 10.356 | 5.2119 | 0.0000 | 75.339 | 1.97745 | 0.00000 | 189293.0 | 41069.1 | 0.0 | U/P |
| 10.378 | 5.1879 | 0.0000 | 75.347 | 1.97856 | 0.00000 | 189709.0 | 41227.3 | 0.0 | U/P |
| 10.400 | 5.1705 | 0.0000 | 75.354 | 1.97966 | 0.00000 | 190123.3 | 41385.7 | 0.0 | U/P |
| 10.422 | 5.1580 | 0.0000 | 75.362 | 1.98075 | 0.00000 | 190536.4 | 41544.1 | 0.0 | U/P |
| 10.444 | 5.1490 | 0.0000 | 75.369 | 1.98183 | 0.00000 | 190948.7 | 41702.6 | 0.0 | U/P |
| 10.467 | 5.1421 | 0.0000 | 75.376 | 1.98292 | 0.00000 | 191360.4 | 41861.2 | 0.0 | U/P |
| 10.489 | 5.1369 | 0.0000 | 75.384 | 1.98399 | 0.00000 | 191771.5 | 42019.9 | 0.0 | U/P |
| 10.511 | 5.1335 | 0.0000 | 75.391 | 1.98507 | 0.00000 | 192182.3 | 42178.6 | 0.0 | U/P |
| 10.533 | 5.1393 | 0.0000 | 75.398 | 1.98614 | 0.00000 | 192593.2 | 42337.5 | 0.0 | U/P |
| 10.556 | 5.1632 | 0.0000 | 75.406 | 1.98722 | 0.00000 | 193005.3 | 42496.4 | 0.0 | U/P |
| 10.578 | 5.2155 | 0.0000 | 75.413 | 1.98831 | 0.00000 | 193420.5 | 42655.4 | 0.0 | U/P |
| 10.600 | 5.2900 | 0.0000 | 75.421 | 1.98941 | 0.00000 | 193840.7 | 42814.5 | 0.0 | U/P |
| 10.622 | 5.3707 | 0.0000 | 75.429 | 1.99053 | 0.00000 | 194267.1 | 42973.7 | 0.0 | U/P |
| 10.644 | 5.4463 | 0.0000 | 75.437 | 1.99168 | 0.00000 | 194699.8 | 43133.0 | 0.0 | U/P |
| 10.667 | 5.5099 | 0.0000 | 75.445 | 1.99285 | 0.00000 | 195138.1 | 43292.4 | 0.0 | U/P |
| 10.689 | 5.5560 | 0.0000 | 75.453 | 1.99404 | 0.00000 | 195580.7 | 43451.9 | 0.0 | U/P |
| 10.711 | 5.5882 | 0.0000 | 75.461 | 1.99525 | 0.00000 | 196026.5 | 43611.4 | 0.0 | U/P |
| 10.733 | 5.6112 | 0.0000 | 75.470 | 1.99647 | 0.00000 | 196474.4 | 43771.1 | 0.0 | U/P |
| 10.756 | 5.6282 | 0.0000 | 75.478 | 1.99769 | 0.00000 | 196924.0 | 43930.9 | 0.0 | U/P |
| 10.778 | 5.6403 | 0.0000 | 75.486 | 1.99892 | 0.00000 | 197374.8 | 44090.7 | 0.0 | U/P |
| 10.800 | 5.6492 | 0.0000 | 75.495 | 2.00016 | 0.00000 | 197826.3 | 44250.7 | 0.0 | U/P |
| 10.822 | 5.6555 | 0.0000 | 75.503 | 2.00139 | 0.00000 | 198278.5 | 44410.8 | 0.0 | U/P |
| 10.844 | 5.6600 | 0.0000 | 75.512 | 2.00263 | 0.00000 | 198731.2 | 44570.9 | 0.0 | U/P |
| 10.867 | 5.6633 | 0.0000 | 75.520 | 2.00386 | 0.00000 | 199184.1 | 44731.2 | 0.0 | U/P |
| 10.889 | 5.6657 | 0.0000 | 75.529 | 2.00510 | 0.00000 | 199637.3 | 44891.6 | 0.0 | U/P |
| 10.911 | 5.6675 | 0.0000 | 75.537 | 2.00633 | 0.00000 | 200090.6 | 45052.0 | 0.0 | U/P |
| 10.933 | 5.6687 | 0.0000 | 75.545 | 2.00757 | 0.00000 | 200544.0 | 45212.6 | 0.0 | U/P |
| 10.956 | 5.6696 | 0.0000 | 75.554 | 2.00880 | 0.00000 | 200997.6 | 45373.2 | 0.0 | U/P |
| 10.978 | 5.6704 | 0.0000 | 75.562 | 2.01004 | 0.00000 | 201451.2 | 45534.0 | 0.0 | U/P |
| 11.000 | 5.6578 | 0.0000 | 75.571 | 2.01127 | 0.00000 | 201904.3 | 45694.8 | 0.0 | U/P |
| 11.022 | 5.5941 | 0.0000 | 75.579 | 2.01249 | 0.00000 | 202354.4 | 45855.8 | 0.0 | U/P |
| 11.044 | 5.4354 | 0.0000 | 75.587 | 2.01369 | 0.00000 | 202795.5 | 46016.8 | 0.0 | U/P |
| 11.067 | 5.1595 | 0.0000 | 75.595 | 2.01483 | 0.00000 | 203219.3 | 46178.0 | 0.0 | U/P |
| 11.089 | 4.8114 | 0.0000 | 75.602 | 2.01588 | 0.00000 | 203618.2 | 46339.2 | 0.0 | U/P |
| 11.111 | 4.4561 | 0.0000 | 75.608 | 2.01682 | 0.00000 | 203988.9 | 46500.5 | 0.0 | U/P |
| 11.133 | 4.1369 | 0.0000 | 75.613 | 2.01764 | 0.00000 | 204332.6 | 46661.9 | 0.0 | U/P |
| 11.156 | 3.8815 | 0.0000 | 75.617 | 2.01835 | 0.00000 | 204653.3 | 46823.3 | 0.0 | U/P |
| 11.178 | 3.6997 | 0.0000 | 75.621 | 2.01899 | 0.00000 | 204956.6 | 46984.8 | 0.0 | U/P |
| 11.200 | 3.5720 | 0.0000 | 75.625 | 2.01955 | 0.00000 | 205247.5 | 47146.4 | 0.0 | U/P |
| 11.222 | 3.4796 | 0.0000 | 75.629 | 2.02008 | 0.00000 | 205529.5 | 47308.0 | 0.0 | U/P |
| 11.244 | 3.4120 | 0.0000 | 75.632 | 2.02057 | 0.00000 | 205805.2 | 47469.6 | 0.0 | U/P |
| 11.267 | 3.3637 | 0.0000 | 75.635 | 2.02104 | 0.00000 | 206076.2 | 47631.2 | 0.0 | U/P |
| 11.289 | 3.3286 | 0.0000 | 75.638 | 2.02149 | 0.00000 | 206343.9 | 47792.9 | 0.0 | U/P |
| 11.311 | 3.3035 | 0.0000 | 75.641 | 2.02193 | 0.00000 | 206609.2 | 47954.7 | 0.0 | U/P |
| 11.333 | 3.2854 | 0.0000 | 75.644 | 2.02236 | 0.00000 | 206872.8 | 48116.5 | 0.0 | U/P |
| 11.356 | 3.2723 | 0.0000 | 75.647 | 2.02278 | 0.00000 | 207135.0 | 48278.3 | 0.0 | U/P |
| 11.378 | 3.2628 | 0.0000 | 75.650 | 2.02320 | 0.00000 | 207396.5 | 48440.1 | 0.0 | U/P |
| 11.400 | 3.2559 | 0.0000 | 75.652 | 2.02361 | 0.00000 | 207657.2 | 48602.0 | 0.0 | U/P |
| 11.422 | 3.2510 | 0.0000 | 75.655 | 2.02402 | 0.00000 | 207917.5 | 48763.9 | 0.0 | U/P |
| 11.444 | 3.2473 | 0.0000 | 75.658 | 2.02444 | 0.00000 | 208177.4 | 48925.8 | 0.0 | U/P |
| 11.467 | 3.2445 | 0.0000 | 75.661 | 2.02484 | 0.00000 | 208437.1 | 49087.8 | 0.0 | U/P |
| 11.489 | 3.2425 | 0.0000 | 75.664 | 2.02525 | 0.00000 | 208696.5 | 49249.8 | 0.0 | U/P |

PONDS Version 3.2.0207

# Retention Pond Recovery - Refined Method Copyright 2003 

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 12 -100 Year/ 24 Hour Routing

| Elapsed Time (hours) | Enflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (fl datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative knflow <br> Volume ( $\mathrm{ff}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ff}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 11.511 | 3.2399 | 0.0000 | 75.666 | 2.02566 | 0.00000 | 208955.8 | 49411.8 | 0.0 | U/P |
| 11.533 | 3.2345 | 0.0000 | 75.669 | 2.02606 | 0.00000 | 209214.8 | 49573.9 | 0.0 | U/P |
| 11.556 | 3.2235 | 0.0000 | 75.672 | 2.02647 | 0.00000 | 209473.1 | 49736.0 | 0.0 | U/P |
| 11.578 | 3.2064 | 0.0000 | 75.675 | 2.02687 | 0.00000 | 209730.3 | 49898.1 | 0.0 | U/P |
| 11.600 | 3.1867 | 0.0000 | 75.677 | 2.02726 | 0.00000 | 209986.1 | 50060.3 | 0.0 | U/P |
| 11.622 | 3.1674 | 0.0000 | 75.680 | 2.02765 | 0.00000 | 210240.2 | 50222.5 | 0.0 | U/P |
| 11.644 | 3.1507 | 0.0000 | 75.682 | 2.02803 | 0.00000 | 210493.0 | 50384.7 | 0.0 | U/P |
| 11.667 | 3.1379 | 0.0000 | 75.685 | 2.02840 | 0.00000 | 210744.5 | 50547.0 | 0.0 | U/P |
| 11.689 | 3.1290 | 0.0000 | 75.688 | 2.02877 | 0.00000 | 210995.2 | 50709.3 | 0.0 | U/P |
| 11.711 | 3.1226 | 0.0000 | 75.690 | 2.02914 | 0.00000 | 211245.2 | 50871.6 | 0.0 | U/P |
| 11.733 | 3.1179 | 0.0000 | 75.693 | 2.02951 | 0.00000 | 211494.9 | 51033.9 | 0.0 | U/P |
| 11.756 | 3.1146 | 0.0000 | 75.695 | 2.02987 | 0.00000 | 211744.2 | 51196.3 | 0.0 | U/P |
| 11.778 | 3.1122 | 0.0000 | 75.697 | 2.03023 | 0.00000 | 211993.2 | 51358.7 | 0.0 | U/P |
| 11.800 | 3.1104 | 0.0000 | 75.700 | 2.03059 | 0.00000 | 212242.1 | 51521.1 | 0.0 | U/P |
| 11.822 | 3.1092 | 0.0000 | 75.702 | 2.03095 | 0.00000 | 212490.9 | 51683.6 | 0.0 | U/P |
| 11.844 | 3.1083 | 0.0000 | 75.705 | 2.03131 | 0.00000 | 212739.6 | 51846.1 | 0.0 | U/P |
| 11.867 | 3.1076 | 0.0000 | 75.707 | 2.03167 | 0.00000 | 212988.2 | 52008.6 | 0.0 | U/P |
| 11.889 | 3.1071 | 0.0000 | 75.710 | 2.03203 | 0.00000 | 213236.8 | 52171.2 | 0.0 | U/P |
| 11.911 | 3.1068 | 0.0000 | 75.712 | 2.03239 | 0.00000 | 213485.4 | 52333.7 | 0.0 | U/P |
| 11.933 | 3.1066 | 0.0000 | 75.715 | 2.03275 | 0.00000 | 213733.9 | 52496.3 | 0.0 | U/P |
| 11.956 | 3.1064 | 0.0000 | 75.717 | 2.03310 | 0.00000 | 213982.4 | 52659.0 | 0.0 | U/P |
| 11.978 | 3.1062 | 0.0000 | 75.720 | 2.03346 | 0.00000 | 214230.9 | 52821.6 | 0.0 | U/P |
| 12.000 | 3.1061 | 0.0000 | 75.722 | 2.03382 | 0.00000 | 214479.4 | 52984.3 | 0.0 | U/P |
| 12.022 | 3.1081 | 0.0000 | 75.724 | 2.03417 | 0.00000 | 214728.0 | 53147.0 | 0.0 | U/P |
| 12.044 | 3.1144 | 0.0000 | 75.727 | 2.03453 | 0.00000 | 214976.9 | 53309.8 | 0.0 | U/P |
| 12.067 | 3.1277 | 0.0000 | 75.729 | 2.03489 | 0.00000 | 215226.6 | 53472.6 | 0.0 | U/P |
| 12.089 | 3.1465 | 0.0000 | 75.732 | 2.03526 | 0.00000 | 215477.6 | 53635.4 | 0.0 | U/P |
| 12.111 | 3.1667 | 0.0000 | 75.734 | 2.03563 | 0.00000 | 215730.1 | 53798.2 | 0.0 | U/P |
| 12.133 | 3.1855 | 0.0000 | 75.737 | 2.03600 | 0.00000 | 215984.2 | 53961.1 | 0.0 | U/P |
| 12.156 | 3.2013 | 0.0000 | 75.740 | 2.03638 | 0.00000 | 216239.7 | 54124.0 | 0.0 | U/P |
| 12.178 | 3.2126 | 0.0000 | 75.742 | 2.03677 | 0.00000 | 216496.2 | 54286.9 | 0.0 | U/P |
| 12.200 | 3.2205 | 0.0000 | 75.745 | 2.03716 | 0.00000 | 216753.5 | 54449.9 | 0.0 | U/P |
| 12.222 | 3.2262 | 0.0000 | 75.748 | 2.03755 | 0.00000 | 217011.4 | 54612.8 | 0.0 | U/P |
| 12.244 | 3.2304 | 0.0000 | 75.750 | 2.03795 | 0.00000 | 217269.7 | 54775.9 | 0.0 | U/P |
| 12.267 | 3.2334 | 0.0000 | 75.753 | 2.03835 | 0.00000 | 217528.2 | 54938.9 | 0.0 | U/P |
| 12.289 | 3.2355 | 0.0000 | 75.756 | 2.03874 | 0.00000 | 217787.0 | 55102.0 | 0.0 | U/P |
| 12.311 | 3.2371 | 0.0000 | 75.759 | 2.03914 | 0.00000 | 218045.9 | 55265.1 | 0.0 | U/P |
| 12.333 | 3.2382 | 0.0000 | 75.761 | 2.03954 | 0.00000 | 218304.9 | 55428.3 | 0.0 | U/P |
| 12.356 | 3.2390 | 0.0000 | 75.764 | 2.03993 | 0.00000 | 218564.0 | 55591.4 | 0.0 | U/P |
| 12.378 | 3.2396 | 0.0000 | 75.767 | 2.04033 | 0.00000 | 218823.1 | 55754.6 | 0.0 | U/P |
| 12.400 | 3.2400 | 0.0000 | 75.769 | 2.04073 | 0.00000 | 219082.3 | 55917.9 | 0.0 | U/P |
| 12.422 | 3.2403 | 0.0000 | 75.772 | 2.04113 | 0.00000 | 219341.5 | 56081.2 | 0.0 | U/P |
| 12.444 | 3.2406 | 0.0000 | 75.775 | 2.04153 | 0.00000 | 219600.8 | 56244.5 | 0.0 | U/P |
| 12.467 | 3.2407 | 0.0000 | 75.778 | 2.04192 | 0.00000 | 219860.0 | 56407.8 | 0.0 | U/P |
| 12.489 | 3.2409 | 0.0000 | 75.780 | 2.04232 | 0.00000 | 220119.3 | 56571.2 | 0.0 | U/P |
| 12.511 | 3.2403 | 0.0000 | 75.783 | 2.04272 | 0.00000 | 220378.5 | 56734.6 | 0.0 | U/P |
| 12.533 | 3.2370 | 0.0000 | 75.786 | 2.04312 | 0.00000 | 220637.6 | 56898.0 | 0.0 | U/P |
| 12.556 | 3.2284 | 0.0000 | 75.788 | 2.04351 | 0.00000 | 220896.2 | 57061.5 | 0.0 | U/P |
| 12.578 | 3.2133 | 0.0000 | 75.791 | 2.04390 | 0.00000 | 221153.9 | 57225.0 | 0.0 | U/P |
| 12.600 | 3.1941 | 0.0000 | 75.794 | 2.04429 | 0.00000 | 221410.2 | 57388.5 | 0.0 | U/P |
| 12.622 | 3.1743 | 0.0000 | 75.796 | 2.04467 | 0.00000 | 221664.9 | 57552.1 | 0.0 | U/P |
| 12.644 | 3.1564 | 0.0000 | 75.799 | 2.04504 | 0.00000 | 221918.2 | 57715.7 | 0.0 | U/P |
| 12.667 | 3.1421 | 0.0000 | 75.801 | 2.04541 | 0.00000 | 222170.1 | 57879.3 | 0.0 | U/P |
| 12.689 | 3.1318 | 0.0000 | 75.804 | 2.04578 | 0.00000 | 222421.0 | 58042.9 | 0.0 | U/P |
| 12.711 | 3.1247 | 0.0000 | 75.806 | 2.04614 | 0.00000 | 222671.3 | 58206.6 | 0.0 | U/P |
| 12.733 | 3.1195 | 0.0000 | 75.809 | 2.04649 | 0.00000 | 222921.1 | 58370.3 | 0.0 | U/P |
| 12.756 | 3.1157 | 0.0000 | 75.811 | 2.04685 | 0.00000 | 223170.5 | 58534.0 | 0.0 | U/P |
| 12.778 | 3.1130 | 0.0000 | 75.813 | 2.04720 | 0.00000 | 223419.6 | 58697.8 | 0.0 | U/P |
| 12.800 | 3.1110 | 0.0000 | 75.816 | 2.04755 | 0.00000 | 223668.6 | 58861.6 | 0.0 | U/P |
| 12.822 | 3.1096 | 0.0000 | 75.818 | 2.04790 | 0.00000 | 223917.4 | 59025.4 | 0.0 | U/P |
| 12.844 | 3.1086 | 0.0000 | 75.821 | 2.04826 | 0.00000 | 224166.1 | 59189.3 | 0.0 | U/P |
| 12.867 | 3.1078 | 0.0000 | 75.823 | 2.04861 | 0.00000 | 224414.8 | 59353.1 | 0.0 | U/P |
| 12.889 | 3.1073 | 0.0000 | 75.825 | 2.04896 | 0.00000 | 224663.4 | 59517.0 | 0.0 | U/P |
| 12.911 | 3.1069 | 0.0000 | 75.828 | 2.04931 | 0.00000 | 224912.0 | 59681.0 | 0.0 | U/P |
| 12.933 | 3.1066 | 0.0000 | 75.830 | 2.04966 | 0.00000 | 225160.5 | 59844.9 | 0.0 | U/P |
| 12.956 | 3.1064 | 0.0000 | 75.833 | 2.05000 | 0.00000 | 225409.0 | 60008.9 | 0.0 | U/P |
| 12.978 | 3.1063 | 0.0000 | 75.835 | 2.05035 | 0.00000 | 225657.5 | 60172.9 | 0.0 | U/P |
| 13.000 | 3.1062 | 0.0000 | 75.837 | 2.05070 | 0.00000 | 225906.0 | 60337.0 | 0.0 | U/P |
| 13.022 | 3.0970 | 0.0000 | 75.840 | 2.05105 | 0.00000 | 226154.2 | 60501.0 | 0.0 | U/P |
| 13.044 | 3.0638 | 0.0000 | 75.842 | 2.05139 | 0.00000 | 226400.6 | 60665.1 | 0.0 | U/P |
| 13.067 | 2.9881 | 0.0000 | 75.844 | 2.05172 | 0.00000 | 226642.7 | 60829.3 | 0.0 | U/P |
| 13.089 | 2.8701 | 0.0000 | 75.846 | 2.05203 | 0.00000 | 226877.0 | 60993.4 | 0.0 | U/P |
| 13.111 | 2.7320 | 0.0000 | 75.848 | 2.05230 | 0.00000 | 227101.1 | 61157.6 | 0.0 | U/P |
| 13.133 | 2.5966 | 0.0000 | 75.849 | 2.05252 | 0.00000 | 227314.2 | 61321.8 | 0.0 | U/P |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: Pond 12-100 Year/24 Hour Routing

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (fi/day) | Stage Elevation (ft datum) | Infitration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overliow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 13.156 | 2.4784 | 0.0000 | 75.850 | 2.05270 | 0.00000 | 227517.2 | 61486.0 | 0.0 | U/P |
| 13.178 | 2.3878 | 0.0000 | 75.851 | 2.05285 | 0.00000 | 227711.9 | 61650.2 | 0.0 | U/P |
| 13.200 | 2.3239 | 0.0000 | 75.852 | 2.05296 | 0.00000 | 227900.3 | 61814.4 | 0.0 | U/P |
| 13.222 | 2.2786 | 0.0000 | 75.853 | 2.05305 | 0.00000 | 228084.4 | 61978.7 | 0.0 | U/P |
| 13.244 | 2.2455 | 0.0000 | 75.853 | 2.05312 | 0.00000 | 228265.4 | 62142.9 | 0.0 | U/P |
| 13.267 | 2.2216 | 0.0000 | 75.853 | 2.05319 | 0.00000 | 228444.1 | 62307.2 | 0.0 | U/P |
| 13.289 | 2.2044 | 0.0000 | 75.854 | 2.05324 | 0.00000 | 228621.1 | 62471.4 | 0.0 | U/P |
| 13.311 | 2.1920 | 0.0000 | 75.854 | 2.05329 | 0.00000 | 228797.0 | 62635.7 | 0.0 | U/P |
| 13.333 | 2.1831 | 0.0000 | 75.854 | 2.05334 | 0.00000 | 228972.0 | 62800.0 | 0.0 | U/P |
| 13.356 | 2.1766 | 0.0000 | 75.855 | 2.05338 | 0.00000 | 229146.4 | 62964.2 | 0.0 | U/P |
| 13.378 | 2.1720 | 0.0000 | 75.855 | 2.05342 | 0.00000 | 229320.3 | 63128.5 | 0.0 | U/P |
| 13.400 | 2.1686 | 0.0000 | 75.855 | 2.05346 | 0.00000 | 229493.9 | 63292.8 | 0.0 | U/P |
| 13.422 | 2.1662 | 0.0000 | 75.855 | 2.05350 | 0.00000 | 229667.3 | 63457.1 | 0.0 | U/P |
| 13.444 | 2.1644 | 0.0000 | 75.856 | 2.05354 | 0.00000 | 229840.5 | 63621.3 | 0.0 | U/P |
| 13.467 | 2.1631 | 0.0000 | 75.856 | 2.05358 | 0.00000 | 230013.6 | 63785.6 | 0.0 | U/P |
| 13.489 | 2.1621 | 0.0000 | 75.856 | 2.05361 | 0.00000 | 230186.6 | 63949.9 | 0.0 | U/P |
| 13.511 | 2.1614 | 0.0000 | 75.856 | 2.05365 | 0.00000 | 230359.6 | 64114.2 | 0.0 | U/P |
| 13.533 | 2.1605 | 0.0000 | 75.857 | 2.05368 | 0.00000 | 230532.5 | 64278.5 | 0.0 | U/P |
| 13.556 | 2.1589 | 0.0000 | 75.857 | 2.05372 | 0.00000 | 230705.2 | 64442.8 | 0.0 | U/P |
| 13.578 | 2.1556 | 0.0000 | 75.857 | 2.05375 | 0.00000 | 230877.8 | 64607.1 | 0.0 | U/P |
| 13.600 | 2.1509 | 0.0000 | 75.857 | 2.05379 | 0.00000 | 231050.1 | 64771.4 | 0.0 | U/P |
| 13.622 | 2.1458 | 0.0000 | 75.858 | 2.05382 | 0.00000 | 231221.9 | 64935.7 | 0.0 | U/P |
| 13.644 | 2.1411 | 0.0000 | 75.858 | 2.05385 | 0.00000 | 231393.4 | 65100.0 | 0.0 | U/P |
| 13.667 | 2.1370 | 0.0000 | 75.858 | 2.05388 | 0.00000 | 231564.5 | 65264.3 | 0.0 | U/P |
| 13.689 | 2.1341 | 0.0000 | 75.858 | 2.05390 | 0.00000 | 231735.4 | 65428.6 | 0.0 | U/P |
| 13.711 | 2.1321 | 0.0000 | 75.858 | 2.05393 | 0.00000 | 231906.0 | 65592.9 | 0.0 | U/P |
| 13.733 | 2.1307 | 0.0000 | 75.859 | 2.05396 | 0.00000 | 232076.5 | 65757.2 | 0.0 | U/P |
| 13.756 | 2.1296 | 0.0000 | 75.859 | 2.05398 | 0.00000 | 232247.0 | 65921.6 | 0.0 | U/P |
| 13.778 | 2.1289 | 0.0000 | 75.859 | 2.05401 | 0.00000 | 232417.3 | 66085.9 | 0.0 | U/P |
| 13.800 | 2.1283 | 0.0000 | 75.859 | 2.05403 | 0.00000 | 232587.6 | 66250.2 | 0.0 | U/P |
| 13.822 | 2.1279 | 0.0000 | 75.859 | 2.05406 | 0.00000 | 232757.8 | 66414.5 | 0.0 | U/P |
| 13.844 | 2.1276 | 0.0000 | 75.859 | 2.05408 | 0.00000 | 232928.0 | 66578.9 | 0.0 | U/P |
| 13.867 | 2.1274 | 0.0000 | 75.860 | 2.05411 | 0.00000 | 233098.3 | 66743.2 | 0.0 | U/P |
| 13.889 | 2.1273 | 0.0000 | 75.860 | 2.05413 | 0.00000 | 233268.4 | 66907.5 | 0.0 | U/P |
| 13.911 | 2.1272 | 0.0000 | 75.860 | 2.05415 | 0.00000 | 233438.6 | 67071.8 | 0.0 | U/P |
| 13.933 | 2.1271 | 0.0000 | 75.860 | 2.05418 | 0.00000 | 233608.8 | 67236.2 | 0.0 | U/P |
| 13.956 | 2.1270 | 0.0000 | 75.860 | 2.05420 | 0.00000 | 233779.0 | 67400.5 | 0.0 | U/P |
| 13.978 | 2.1270 | 0.0000 | 75.860 | 2.05423 | 0.00000 | 233949.1 | 67564.8 | 0.0 | U/P |
| 14.000 | 2.1198 | 0.0000 | 75.861 | 2.05425 | 0.00000 | 234119.0 | 67729.2 | 0.0 | U/P |
| 14.022 | 2.0852 | 0.0000 | 75.861 | 2.05427 | 0.00000 | 234287.2 | 67893.5 | 0.0 | U/P |
| 14.044 | 1.9991 | 0.0000 | 75.861 | 2.05427 | 0.00000 | 234450.5 | 68057.9 | 0.0 | U/P |
| 14.067 | 1.8496 | 0.0000 | 75.860 | 2.05425 | 0.00000 | 234604.5 | 68222.2 | 0.0 | U/P |
| 14.089 | 1.6611 | 0.0000 | 75.860 | 2.05418 | 0.00000 | 234744.9 | 68386.6 | 0.0 | U/P |
| 14.111 | 1.4687 | 0.0000 | 75.859 | 2.05405 | 0.00000 | 234870.1 | 68550.9 | 0.0 | U/P |
| 14.133 | 1.2958 | 0.0000 | 75.857 | 2.05386 | 0.00000 | 234980.7 | 68715.2 | 0.0 | U/P |
| 14.156 | 1.1574 | 0.0000 | 75.855 | 2.05361 | 0.00000 | 235078.8 | 68879.5 | 0.0 | U/P |
| 14.178 | 1.0590 | 0.0000 | 75.853 | 2.05332 | 0.00000 | 235167.5 | 69043.8 | 0.0 | U/P |
| 14.200 | 0.9898 | 0,0000 | 75.851 | 2.05299 | 0.00000 | 235249.4 | 69208.0 | 0.0 | U/P |
| 14.222 | 0.9397 | 0.0000 | 75.848 | 2.05265 | 0.00000 | 235326.6 | 69372.3 | 0.0 | U/P |
| 14.244 | 0.9031 | 0.0000 | 75.846 | 2.05228 | 0.00000 | 235400.3 | 69536.5 | 0.0 | U/P |
| 14.267 | 0.8770 | 0.0000 | 75.843 | 2.05190 | 0.00000 | 235471.5 | 69700.6 | 0.0 | U/P |
| 14.289 | 0.8580 | 0.0000 | 75.840 | 2.05151 | 0.00000 | 235540.9 | 69864.8 | 0.0 | U/P |
| 14.311 | 0.8444 | 0.0000 | 75.838 | 2.05112 | 0.00000 | 235609.0 | 70028.9 | 0.0 | U/P |
| 14.333 | 0.8346 | 0.0000 | 75.835 | 2.05072 | 0.00000 | 235676.2 | 70192.9 | 0.0 | U/P |
| 14.356 | 0.8274 | 0.0000 | 75.832 | 2.05032 | 0.00000 | 235742.7 | 70357.0 | 0.0 | U/P |
| 14.378 | 0.8223 | 0.0000 | 75.829 | 2.04992 | 0.00000 | 235808.7 | 70521.0 | 0.0 | U/P |
| 14.400 | 0.8186 | 0.0000 | 75.827 | 2.04951 | 0.00000 | 235874.3 | 70685.0 | 0.0 | U/P |
| 14.422 | 0.8159 | 0.0000 | 75.824 | 2.04911 | 0.00000 | 235939.7 | 70848.9 | 0.0 | U/P |
| 14.444 | 0.8139 | 0.0000 | 75.821 | 2.04870 | 0.00000 | 236004.9 | 71012.8 | 0.0 | U/P |
| 14.467 | 0.8124 | 0.0000 | 75.818 | 2.04829 | 0.00000 | 236069.9 | 71176.7 | 0.0 | U/P |
| 14.489 | 0.8113 | 0.0000 | 75.816 | 2.04788 | 0.00000 | 236134.9 | 71340.5 | 0.0 | U/P |
| 14.511 | 0.8107 | 0.0000 | 75.813 | 2.04747 | 0.00000 | 236199.7 | 71504.4 | 0.0 | U/P |
| 14.533 | 0.8104 | 0.0000 | 75.810 | 2.04706 | 0.00000 | 236264.6 | 71668.1 | 0.0 | U/P |
| 14.556 | 0.8104 | 0.0000 | 75.807 | 2.04665 | 0.00000 | 236329.4 | 71831.9 | 0.0 | U/P |
| 14.578 | 0.8104 | 0.0000 | 75.804 | 2.04625 | 0.00000 | 236394.2 | 71995.6 | 0.0 | U/P |
| 14.600 | 0.8103 | 0.0000 | 75.802 | 2.04584 | 0.00000 | 236459.1 | 72159.3 | 0.0 | U/P |
| 14.622 | 0.8103 | 0.0000 | 75.799 | 2.04543 | 0.00000 | 236523.9 | 72322.9 | 0.0 | U/P |
| 14.644 | 0.8103 | 0.0000 | 75.796 | 2.04502 | 0.00000 | 236588.7 | 72486.6 | 0.0 | U/P |
| 14.667 | 0.8103 | 0.0000 | 75.793 | 2.04461 | 0.00000 | 236653.5 | 72650.1 | 0.0 | U/P |
| 14.689 | 0.8103 | 0.0000 | 75.790 | 2.04420 | 0.00000 | 236718.4 | 72813.7 | 0.0 | U/P |
| 14.711 | 0.8103 | 0.0000 | 75.788 | 2.04379 | 0.00000 | 236783.2 | 72977.2 | 0.0 | U/P |
| 14.733 | 0.8103 | 0.0000 | 75.785 | 2.04338 | 0.00000 | 236848.0 | 73140.7 | 0.0 | U/P |
| 14.756 | 0.8103 | 0.0000 | 75.782 | 2.04298 | 0.00000 | 236912.8 | 73304.2 | 0.0 | U/P |
| 14.778 | 0.8103 | 0.0000 | 75.779 | 2.04257 | 0.00000 | 236977.7 | 73467.6 | 0.0 | U/P |

PONDS Version 3.2.0207

# Retention Pond Recovery - Refined Method <br> Copyright 2003 

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $12-100$ Year / 24 Hour Routing

| Elapsed Time (hours) | inflow Rate ( $\mathrm{fl}^{3 / \mathrm{s}}$ ) | Outside Recharge (fl/day) | Stage Elevation (ft datum) | Infiltration Rate (f13/s) | Overfiow Discharge ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume (fi3) | Cumulative Discharge Volurne ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 14.800 | 0.8103 | 0.0000 | 75.776 | 2.04216 | 0.00000 | 237042.5 | 73631.0 | 0.0 | U/P |
| 14.822 | 0.8103 | 0.0000 | 75.774 | 2.04175 | 0.00000 | 237107.3 | 73794.3 | 0.0 | U/P |
| 14.844 | 0.8103 | 0.0000 | 75.771 | 2.04134 | 0.00000 | 237172.1 | 73957.6 | 0.0 | U/P |
| 14.867 | 0.8103 | 0.0000 | 75.768 | 2.04093 | 0.00000 | 237236.9 | 74120.9 | 0.0 | U/P |
| 14.889 | 0.8103 | 0.0000 | 75.765 | 2.04052 | 0.00000 | 237301.8 | 74284.2 | 0.0 | U/P |
| 14.911 | 0.8103 | 0.0000 | 75.762 | 2.04012 | 0.00000 | 237366.6 | 74447.4 | 0.0 | U/P |
| 14.933 | 0.8103 | 0.0000 | 75.760 | 2.03971 | 0.00000 | 237431.4 | 74610.6 | 0.0 | U/P |
| 14.956 | 0.8103 | 0.0000 | 75.757 | 2.03930 | 0.00000 | 237496.2 | 74773.8 | 0.0 | U/P |
| 14.978 | 0.8103 | 0.0000 | 75.754 | 2.03889 | 0.00000 | 237561.0 | 74936.9 | 0.0 | U/P |
| 15.000 | 0.8103 | 0.0000 | 75.751 | 2.03848 | 0.00000 | 237625.9 | 75100.0 | 0.0 | U/P |
| 15.022 | 0.8103 | 0.0000 | 75.748 | 2.03808 | 0.00000 | 237690.7 | 75263.1 | 0.0 | U/P |
| 15.044 | 0.8103 | 0.0000 | 75.746 | 2.03767 | 0.00000 | 237755.5 | 75426.1 | 0.0 | U/P |
| 15.067 | 0.8103 | 0.0000 | 75.743 | 2.03726 | 0.00000 | 237820.3 | 75589.1 | 0.0 | U/P |
| 15.089 | 0.8103 | 0.0000 | 75.740 | 2.03685 | 0.00000 | 237885.2 | 75752.1 | 0.0 | U/P |
| 15.111 | 0.8103 | 0.0000 | 75.737 | 2.03644 | 0.00000 | 237950.0 | 75915.0 | 0.0 | U/P |
| 15.133 | 0.8103 | 0.0000 | 75.735 | 2.03604 | 0.00000 | 238014.8 | 76077.9 | 0.0 | U/P |
| 15.156 | 0.8104 | 0.0000 | 75.732 | 2.03563 | 0.00000 | 238079.6 | 76240.7 | 0.0 | U/P |
| 15.178 | 0.8104 | 0.0000 | 75.729 | 2.03522 | 0.00000 | 238144.5 | 76403.6 | 0.0 | U/P |
| 15.200 | 0.8104 | 0.0000 | 75.726 | 2.03481 | 0.00000 | 238209.3 | 76566.4 | 0.0 | U/P |
| 15.222 | 0.8104 | 0.0000 | 75.723 | 2.03441 | 0.00000 | 238274.1 | 76729.2 | 0.0 | U/P |
| 15.244 | 0.8104 | 0.0000 | 75.721 | 2.03400 | 0.00000 | 238339.0 | 76891.9 | 0.0 | U/P |
| 15.267 | 0.8104 | 0.0000 | 75.718 | 2.03359 | 0.00000 | 238403.8 | 77054.6 | 0.0 | U/P |
| 15.289 | 0.8104 | 0.0000 | 75.715 | 2.03319 | 0.00000 | 238468.6 | 77217.3 | 0.0 | U/P |
| 15.311 | 0.8104 | 0.0000 | 75.712 | 2.03278 | 0.00000 | 238533.5 | 77379.9 | 0.0 | U/P |
| 15.333 | 0.8104 | 0.0000 | 75.709 | 2.03237 | 0.00000 | 238598.3 | 77542.5 | 0.0 | U/P |
| 15.356 | 0.8104 | 0.0000 | 75.707 | 2.03196 | 0.00000 | 238663.1 | 77705.1 | 0.0 | U/P |
| 15.378 | 0.8104 | 0.0000 | 75.704 | 2.03156 | 0.00000 | 238728.0 | 77867.6 | 0.0 | U/P |
| 15.400 | 0.8104 | 0.0000 | 75.701 | 2.03115 | 0.00000 | 238792.8 | 78030.1 | 0.0 | U/P |
| 15.422 | 0.8104 | 0.0000 | 75.698 | 2.03074 | 0.00000 | 238857.6 | 78192.6 | 0.0 | U/P |
| 15.444 | 0.8104 | 0.0000 | 75.696 | 2.03034 | 0.00000 | 238922.5 | 78355.1 | 0.0 | U/P |
| 15.467 | 0.8104 | 0.0000 | 75.693 | 2.02993 | 0.00000 | 238987.3 | 78517.5 | 0.0 | U/P |
| 15.489 | 0.8104 | 0.0000 | 75.690 | 2.02952 | 0.00000 | 239052.1 | 78679.8 | 0.0 | U/P |
| 15.511 | 0.8098 | 0.0000 | 75.687 | 2.02912 | 0.00000 | 239116.9 | 78842.2 | 0.0 | U/P |
| 15.533 | 0.8064 | 0.0000 | 75.684 | 2.02871 | 0.00000 | 239181.6 | 79004.5 | 0.0 | U/P |
| 15.556 | 0.7978 | 0.0000 | 75.682 | 2.02830 | 0.00000 | 239245.7 | 79166.8 | 0.0 | U/P |
| 15.578 | 0.7827 | 0.0000 | 75.679 | 2.02789 | 0.00000 | 239309.0 | 79329.0 | 0.0 | U/P |
| 15,600 | 0.7634 | 0.0000 | 75.676 | 2.02747 | 0.00000 | 239370.8 | 79491.2 | 0.0 | U/P |
| 15,622 | 0.7436 | 0.0000 | 75.673 | 2.02705 | 0.00000 | 239431.1 | 79653.4 | 0.0 | U/P |
| 15.644 | 0.7257 | 0.0000 | 75.670 | 2.02662 | 0.00000 | 239489.9 | 79815.6 | 0.0 | U/P |
| 15.667 | 0.7113 | 0.0000 | 75.667 | 2.02619 | 0.00000 | 239547.3 | 79977.7 | 0.0 | U/P |
| 15.689 | 0.7011 | 0.0000 | 75.664 | 2.02575 | 0.00000 | 239603.8 | 80139.8 | 0.0 | U/P |
| 15.711 | 0.6939 | 0.0000 | 75.661 | 2.02531 | 0.00000 | 239659.6 | 80301.8 | 0.0 | U/P |
| 15.733 | 0.6887 | 0.0000 | 75.658 | 2.02486 | 0.00000 | 239714.9 | 80463.8 | 0.0 | U/P |
| $\$ 5.756$ | 0.6849 | 0.0000 | 75.655 | 2.02441 | 0.00000 | 239769.9 | 80625.8 | 0.0 | U/P |
| 15.778 | 0.6822 | 0.0000 | 75.652 | 2.02397 | 0.00000 | 239824.6 | 80787.7 | 0.0 | U/P |
| 15.800 | 0.6802 | 0.0000 | 75.649 | 2.02352 | 0.00000 | 239879.1 | 80949.6 | 0.0 | U/P |
| 15.822 | 0.6788 | 0.0000 | 75.646 | 2.02307 | 0.00000 | 239933.4 | 81111.5 | 0.0 | U/P |
| 15.844 | 0.6778 | 0.0000 | 75.643 | 2.02262 | 0.00000 | 239987.7 | 81273.3 | 0.0 | U/P |
| 15.867 | 0.6770 | 0.0000 | 75.640 | 2.02217 | 0.00000 | 240041.9 | 81435.1 | 0.0 | U/P |
| 15.889 | 0.6765 | 0.0000 | 75.636 | 2.02172 | 0.00000 | 240096.0 | 81596.8 | 0.0 | U/P |
| 15.911 | 0.6761 | 0.0000 | 75.633 | 2.02127 | 0.00000 | 240150.1 | 81758.6 | 0.0 | U/P |
| 15.933 | 0.6758 | 0.0000 | 75.630 | 2.02082 | 0.00000 | 240204.2 | 81920.3 | 0.0 | U/P |
| 15.956 | 0.6756 | 0.0000 | 75.627 | 2.02037 | 0.00000 | 240258.3 | 82081.9 | 0.0 | U/P |
| 15.978 | 0.6755 | 0.0000 | 75.624 | 2.01992 | 0.00000 | 240312.3 | 82243.5 | 0.0 | U/P |
| 16.000 | 0.6754 | 0.0000 | 75.621 | 2.01946 | 0.00000 | 240366.4 | 82405.1 | 0.0 | U/P |
| 16.022 | 0.6740 | 0.0000 | 75.618 | 2.01901 | 0.00000 | 240420.3 | 82566.6 | 0.0 | U/P |
| 16.044 | 0.6692 | 0.0000 | 75.615 | 2.01856 | 0.00000 | 240474.1 | 82728.1 | 0.0 | U/P |
| 16.067 | 0.6584 | 0.0000 | 75.612 | 2.01811 | 0.00000 | 240527.2 | 82889.6 | 0.0 | U/P |
| 16.089 | 0.6415 | 0.0000 | 75.609 | 2.01765 | 0.00000 | 240579.2 | 83051.0 | 0.0 | U/P |
| 16.111 | 0.6218 | 0.0000 | 75.605 | 2.01719 | 0.00000 | 240629.7 | 83212.4 | 0.0 | U/P |
| 16.133 | 0.6024 | 0.0000 | 75.602 | 2.01672 | 0.00000 | 240678.7 | 83373.8 | 0.0 | U/P |
| 16.156 | 0.5855 | 0.0000 | 75.599 | 2.01625 | 0.00000 | 240726.2 | 83535.1 | 0.0 | U/P |
| 16.178 | 0.5726 | 0.0000 | 75.596 | 2.01577 | 0.00000 | 240772.5 | 83696.4 | 0.0 | U/P |
| 16.200 | 0.5634 | 0.0000 | 75.592 | 2.01528 | 0.00000 | 240817.9 | 83857.6 | 0.0 | U/P |
| 16.222 | 0.5570 | 0.0000 | 75.589 | 2.01480 | 0.00000 | 240862.8 | 84018.8 | 0.0 | U/P |
| 16.244 | 0.5522 | 0.0000 | 75.586 | 2.01431 | 0.00000 | 240907.1 | 84180.0 | 0.0 | U/P |
| 16.267 | 0.5488 | 0.0000 | 75.582 | 2.01381 | 0.00000 | 240951.2 | 84341.1 | 0.0 | U/P |
| 16.289 | 0.5464 | 0.0000 | 75.579 | 2.01332 | 0.00000 | 240995.0 | 84502.2 | 0.0 | U/P |
| 16.311 | 0.5446 | 0.0000 | 75.576 | 2.01283 | 0.00000 | 241038.6 | 84663.2 | 0.0 | U/P |
| 16.333 | 0.5433 | 0.0000 | 75.572 | 2.01233 | 0.00000 | 241082.1 | 84824.2 | 0.0 | U/P |
| 16.356 | 0.5424 | 0.0000 | 75.569 | 2.01184 | 0.00000 | 241125.6 | 84985.2 | 0.0 | U/P |
| 16.378 | 0.5417 | 0.0000 | 75.565 | 2.01135 | 0.00000 | 241168.9 | 85146.1 | 0.0 | U/P |
| 16.400 | 0.5412 | 0.0000 | 75.562 | 2.01085 | 0.00000 | 241212.2 | 85307.0 | 0.0 | U/P |
| 16.422 | 0.5409 | 0.0000 | 75.559 | 2.01036 | 0.00000 | 241255.5 | 85467.9 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 12 - 100 Year / 24 Hour Routing

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (t datum) | Infiltration Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Overfow Discharge $\left(\mathrm{t}^{3} / \mathrm{s}\right)$ | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 16.444 | 0.5406 | 0.0000 | 75.555 | 2.00986 | 0.00000 | 241298.8 | 85628.7 | 0.0 | U/P |
| 16.467 | 0.5404 | 0.0000 | 75.552 | 2.00937 | 0.00000 | 241342.0 | 85789.5 | 0.0 | U/P |
| 16.489 | 0.5403 | 0.0000 | 75.548 | 2.00887 | 0.00000 | 241385.3 | 85950.2 | 0.0 | U/P |
| 16.511 | 0.5402 | 0.0000 | 75.545 | 2.00838 | 0.00000 | 241428.5 | 86110.9 | 0.0 | U/P |
| 16.533 | 0.5426 | 0.0000 | 75.542 | 2.00788 | 0.00000 | 241471.8 | 86271.5 | 0.0 | U/P |
| 16.556 | 0.5502 | 0.0000 | 75.538 | 2.00739 | 0.00000 | 241515.5 | 86432.1 | 0.0 | U/P |
| 16.578 | 0.5666 | 0.0000 | 75.535 | 2.00690 | 0.00000 | 241560.2 | 86592.7 | 0.0 | U/P |
| 16.600 | 0.5898 | 0.0000 | 75.532 | 2.00641 | 0.00000 | 241606.4 | 86753.2 | 0.0 | U/P |
| 16.622 | 0.6451 | 0.0000 | 75.528 | 2.00593 | 0.00000 | 241654.6 | 86913.7 | 0.0 | U/P |
| 16.644 | 0.6387 | 0.0000 | 75.525 | 2.00546 | 0.00000 | 241704.8 | 87074.2 | 0.0 | U/P |
| 16.667 | 0.6586 | 0.0000 | 75.522 | 2.00500 | 0.00000 | 241756.7 | 87234.6 | 0.0 | U/P |
| 16.689 | 0.6730 | 0.0000 | 75.519 | 2.00455 | 0.00000 | 241809.9 | 87395.0 | 0.0 | U/P |
| 16.711 | 0.6831 | 0.0000 | 75.516 | 2.00410 | 0.00000 | 241864.2 | 87555.3 | 0.0 | U/P |
| 16.733 | 0.6903 | 0.0000 | 75.513 | 2.00365 | 0.00000 | 241919.1 | 87715.6 | 0.0 | U/P |
| 16.756 | 0.6956 | 0.0000 | 75.510 | 2.00321 | 0.00000 | 241974.5 | 87875.9 | 0.0 | U/P |
| 16.778 | 0.6994 | 0.0000 | 75.507 | 2.00276 | 0.00000 | 242030.3 | 88036.2 | 0.0 | U/P |
| 16.800 | 0.7021 | 0.0000 | 75.504 | 2.00232 | 0.00000 | 242086.4 | 88196.4 | 0.0 | U/P |
| 16.822 | 0.7041 | 0.0000 | 75.501 | 2.00188 | 0.00000 | 242142.7 | 88356.5 | 0.0 | U/P |
| 16.844 | 0.7055 | 0.0000 | 75.498 | 2.00144 | 0.00000 | 242199.0 | 88516.7 | 0.0 | U/P |
| 16.867 | 0.7065 | 0.0000 | 75.495 | 2.00101 | 0.00000 | 242255.5 | 88676.8 | 0.0 | U/P |
| 16.889 | 0.7073 | 0.0000 | 75.492 | 2.00057 | 0.00000 | 242312.1 | 88836.8 | 0.0 | U/P |
| 16.911 | 0.7078 | 0.0000 | 75.489 | 2.00013 | 0.00000 | 242368.7 | 88996.8 | 0.0 | U/P |
| 16.933 | 0.7082 | 0.0000 | 75.486 | 1.99969 | 0.00000 | 242425.3 | 89156.8 | 0.0 | U/P |
| 16.956 | 0.7085 | 0.0000 | 75.483 | 1.99926 | 0.00000 | 242482.0 | 89316.8 | 0.0 | U/P |
| 16.978 | 0.7087 | 0.0000 | 75.480 | 1.99882 | 0.00000 | 242538.7 | 89476.7 | 0.0 | U/P |
| 17.000 | 0.7094 | 0.0000 | 75.477 | 1.99838 | 0.00000 | 242595.4 | 89636.6 | 0.0 | U/P |
| 17.022 | 0.7122 | 0.0000 | 75.474 | 1.99795 | 0.00000 | 242652.3 | 89796.5 | 0.0 | U/P |
| 17.044 | 0.7189 | 0.0000 | 75.471 | 1.99751 | 0.00000 | 242709.5 | 89956.3 | 0.0 | U/P |
| 17.067 | 0.7304 | 0.0000 | 75.468 | 1.99708 | 0.00000 | 242767.5 | 90116.1 | 0.0 | U/P |
| 17.089 | 0.7449 | 0.0000 | 75.465 | 1.99665 | 0.00000 | 242826.5 | 90275.8 | 0.0 | U/P |
| 17.111 | 0.7597 | 0.0000 | 75.462 | 1.99622 | 0.00000 | 242886.7 | 90435.5 | 0.0 | U/P |
| 17.133 | 0.7730 | 0.0000 | 75.459 | 1.99580 | 0.00000 | 242948.0 | 90595.2 | 0.0 | U/P |
| 17.156 | 0.7837 | 0.0000 | 75.457 | 5.16360 | 0.00000 | 243010.3 | 90754.9 | 0.0 | U/P |
| 17.178 | 0.7913 | 0.0000 | 75.439 | 9.43602 | 0.00000 | 243073.3 | 91421.4 | 0.0 | U/S |
| 17.200 | 0.7966 | 0.0000 | 75.416 | 12.15098 | 0.00000 | 243136.8 | 92264.6 | 0.0 | S |
| 17.222 | 0.8005 | 0.0000 | 75.386 | 14.80248 | 0.00000 | 243200.7 | 93365.5 | 0.0 | S |
| 17.244 | 0.8033 | 0.0000 | 75.351 | 16.09683 | 0.00000 | 243264.8 | 94633.0 | 0.0 | S |
| 17.267 | 0.8053 | 0.0000 | 75.315 | 15.95315 | 0.00000 | 243329.2 | 95941.0 | 0.0 | S |
| 17.289 | 0.8068 | 0.0000 | 75.280 | 14.82994 | 0.00000 | 243393.6 | 97185.5 | 0.0 | S |
| 17.311 | 0.8078 | 0.0000 | 75.249 | 13.33624 | 0.00000 | 243458.2 | 98313.8 | 0.0 | S |
| 17.333 | 0.8086 | 0.0000 | 75.221 | 11.91611 | 0.00000 | 243522.9 | 99319.3 | 0.0 | S |
| 17.356 | 0.8091 | 0.0000 | 75.196 | 10.76589 | 0.00000 | 243587.6 | 100220.4 | 0.0 | S |
| 17.378 | 0.8095 | 0.0000 | 75.174 | 9.90301 | 0.00000 | 243652.3 | 101041.9 | 0.0 | S |
| 17.400 | 0.8098 | 0.0000 | 75.153 | 9.26446 | 0.00000 | 243717.1 | 101804.9 | 0.0 | S |
| 17.422 | 0.8100 | 0.0000 | 75.134 | 8.77400 | 0.00000 | 243781.9 | 102524.2 | 0.0 | S |
| 17.444 | 0.8102 | 0.0000 | 75.115 | 8.37182 | 0.00000 | 243846.7 | 103208.7 | 0.0 | S |
| 17.467 | 0.8103 | 0.0000 | 75.098 | 8.02038 | 0.00000 | 243911.5 | 103863.7 | 0.0 | S |
| 17.489 | 0.8104 | 0.0000 | 75.081 | 7.70018 | 0.00000 | 243976.3 | 104492.0 | 0.0 | S |
| 17.511 | 0.8090 | 0.0000 | 75.065 | 7.40321 | 0.00000 | 244041.1 | 105095.7 | 0.0 | S |
| 17.533 | 0.8041 | 0.0000 | 75.049 | 7.12739 | 0.00000 | 244105.6 | 105676.5 | 0.0 | S |
| 17.556 | 0.7930 | 0.0000 | 75.035 | 6.87280 | 0.00000 | 244169.5 | 106236.1 | 0.0 | S |
| 17.578 | 0.7759 | 0.0000 | 75.020 | 6.63962 | 0.00000 | 244232.3 | 106776.1 | 0.0 | S |
| 17.600 | 0.7561 | 0.0000 | 75.007 | 6.42727 | 0.00000 | 244293.6 | 107298.4 | 0.0 | S |
| 17.622 | 0.7368 | 0.0000 | 74.993 | 6.23432 | 0.00000 | 244353.3 | 107804.5 | 0.0 | S |
| 17.644 | 0.7200 | 0.0000 | 74.980 | 6.05869 | 0.00000 | 244411.6 | 108295.9 | 0.0 | S |
| 17.667 | 0.7073 | 0.0000 | 74.967 | 5.89804 | 0.00000 | 244468.7 | 108773.9 | 0.0 | S |
| 17.689 | 0.6983 | 0.0000 | 74.955 | 5.75005 | 0.00000 | 244524.9 | 109239.6 | 0.0 | S |
| 17.711 | 0.6919 | 0.0000 | 74.943 | 5.61265 | 0.00000 | 244580.5 | 109693.9 | 0.0 | S |
| 17.733 | 0.6872 | 0.0000 | 74.931 | 5.48415 | 0.00000 | 244635.7 | 110137.6 | 0.0 | S |
| 17.756 | 0.6838 | 0.0000 | 74.920 | 5.36320 | 0.00000 | 244690.5 | 110571.4 | 0.0 | S |
| 17.778 | 0.6814 | 0.0000 | 74.909 | 5.24886 | 0.00000 | 244745.1 | 110995.7 | 0.0 | S |
| 17.800 | 0.6797 | 0.0000 | 74.898 | 5.14042 | 0.00000 | 244799.5 | 111411.2 | 0.0 | S |
| 17.822 | 0.6784 | 0.0000 | 74.887 | 5.03741 | 0.00000 | 244853.9 | 111818.2 | 0.0 | S |
| 17.844 | 0.6775 | 0.0000 | 74.877 | 4.93946 | 0.00000 | 244908.1 | 112217.2 | 0.0 | S |
| 17.867 | 0.6768 | 0.0000 | 74.867 | 4.84629 | 0.00000 | 244962.3 | 112608.5 | 0.0 | S |
| 17.889 | 0.6764 | 0.0000 | 74.857 | 4.75767 | 0.00000 | 245016.4 | 112992.6 | 0.0 | S |
| 17.911 | 0.6760 | 0.0000 | 74.847 | 4.67334 | 0.00000 | 245070.5 | 113369.7 | 0.0 | S |
| 17.933 | 0.6758 | 0.0000 | 74.837 | 4.59306 | 0.00000 | 245124.6 | 113740.3 | 0.0 | S |
| 17.956 | 0.6756 | 0.0000 | 74.828 | 4.51657 | 0.00000 | 245178.6 | 114104.6 | 0.0 | S |
| 17.978 | 0.6754 | 0.0000 | 74.818 | 4.44360 | 0.00000 | 245232.7 | 114463.0 | 0.0 | S |
| 18.000 | 0.6754 | 0.0000 | 74.809 | 4.37390 | 0.00000 | 245286.7 | 114815.6 | 0.0 | S |
| 18.022 | 0.6733 | 0.0000 | 74.800 | 4.30720 | 0.00000 | 245340.7 | 115162.8 | 0.0 | S |
| 18.044 | 0.6670 | 0.0000 | 74.792 | 4.24323 | 0.00000 | 245394.3 | 115504.8 | 0.0 | S |
| 18.067 | 0.6536 | 0.0000 | 74.783 | 4.18175 | 0.00000 | 245447.1 | 115841.7 | 0.0 | S |

PONDS Version 3.2.0207

# Retention Pond Recovery - Refined Method <br> Copyright 2003 

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 12 - 100 Year/24 Hour Routing

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (t/day) | Stage Elevation (fl datum) | Infiltration Rate $\left(\mathrm{rt}^{3 / \mathrm{s}}\right.$ ) | Overflow Discharge ( $\mathrm{n}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{t}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ff}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 18.089 | 0.6348 | 0.0000 | 74.774 | 4.12253 | 0.00000 | 245498.6 | 116173.8 | 0.0 | S |
| 18.111 | 0.6145 | 0.0000 | 74.766 | 4.06542 | 0.00000 | 245548.6 | 116501.3 | 0.0 | S |
| 18.133 | 0.5957 | 0.0000 | 74.758 | 4.01029 | 0.00000 | 245597.0 | 116824.3 | 0.0 | S |
| 18.156 | 0.5799 | 0.0000 | 74.749 | 3.95704 | 0.00000 | 245644.0 | 117143.0 | 0.0 | S |
| 18.178 | 0.5685 | 0.0000 | 74.741 | 3.90559 | 0.00000 | 245690.0 | 117457.4 | 0.0 | S |
| 18.200 | 0.5606 | 0.0000 | 74.733 | 3.85586 | 0.00000 | 245735.1 | 117767.9 | 0.0 | S |
| 18.222 | 0.5549 | 0.0000 | 74.725 | 3.80777 | 0.00000 | 245779.7 | 118074.4 | 0.0 | S |
| 18.244 | 0.5507 | 0.0000 | 74.717 | 3.76125 | 0.00000 | 245824.0 | 118377.1 | 0.0 | S |
| 18.267 | 0.5478 | 0.0000 | 74.709 | 3.71623 | 0.00000 | 245867.9 | 118676.2 | 0.0 | S |
| 18.289 | 0.5456 | 0.0000 | 74.701 | 3,67264 | 0.00000 | 245911.6 | 118971.7 | 0.0 | S |
| 18.311 | 0.5440 | 0.0000 | 74.694 | 3.63041 | 0.00000 | 245955.2 | 119263.8 | 0.0 | S |
| 18.333 | 0.5429 | 0.0000 | 74.686 | 3.58949 | 0.00000 | 245998.7 | 119552.6 | 0.0 | S |
| 18.356 | 0.5421 | 0.0000 | 74.679 | 3.54980 | 0.00000 | 246042.1 | 119838.7 | 0.0 | S |
| 18.378 | 0.5415 | 0.0000 | 74.671 | 3.51129 | 0.00000 | 246085.4 | 120120.5 | 0.0 | S |
| 18.400 | 0.5411 | 0.0000 | 74.664 | 3.47391 | 0.00000 | 246128.8 | 120399.9 | 0.0 | S |
| 18.422 | 0.5408 | 0.0000 | 74.657 | 3.43759 | 0.00000 | 246172.0 | 120676.4 | 0.0 | S |
| 18.444 | 0.5406 | 0.0000 | 74.650 | 3.40230 | 0.00000 | 246215.3 | 120949.9 | 0.0 | S |
| 18.467 | 0.5404 | 0.0000 | 74.643 | 3.36797 | 0.00000 | 246258.5 | 121220.7 | 0.0 | S |
| 18.489 | 0.5403 | 0.0000 | 74.636 | 3.33457 | 0.00000 | 246301.7 | 121488.8 | 0.0 | S |
| 18.511 | 0.5408 | 0.0000 | 74.629 | 3.30206 | 0.00000 | 246345.0 | 121754.3 | 0.0 | S |
| 18.533 | 0.5442 | 0.0000 | 74.622 | 3.27042 | 0.00000 | 246388.4 | 122017.1 | 0.0 | S |
| 18.556 | 0.5527 | 0.0000 | 74.616 | 3.23964 | 0.00000 | 246432.3 | \$22277.5 | 0.0 | S |
| 18.578 | 0.5679 | 0.0000 | 74.609 | 3.20971 | 0.00000 | 246477.1 | 122535.5 | 0.0 | S |
| 18.600 | 0.5872 | 0.0000 | 74.603 | 3.18063 | 0.00000 | 246523.3 | 122791.1 | 0.0 | S |
| 18.622 | 0.6070 | 0.0000 | 74.596 | 3.15233 | 0.00000 | 246571.0 | 123044.4 | 0.0 | S |
| 18.644 | 0.6248 | 0.0000 | 74.590 | 3.12478 | 0.00000 | 246620.3 | 123295.4 | 0.0 | S |
| 18.667 | 0.6392 | 0.0000 | 74.584 | 3.09791 | 0.00000 | 246670.9 | 123544.3 | 0.0 | S |
| 18.689 | 0.6495 | 0.0000 | 74.578 | 3.07168 | 0.00000 | 246722.4 | 123791.1 | 0.0 | S |
| 18.711 | 0.6566 | 0.0000 | 74.572 | 3.04604 | 0.00000 | 246774.7 | 124035.8 | 0.0 | S |
| 18.733 | 0.6618 | 0.0000 | 74.566 | 3.02096 | 0.00000 | 246827.4 | 124278.5 | 0.0 | S |
| 18.756 | 0.6656 | 0.0000 | 74.560 | 2.99642 | 0.00000 | 246880.5 | 124519.2 | 0.0 | S |
| 18.778 | 0.6684 | 0.0000 | 74.554 | 2.97240 | 0.00000 | 246933.9 | 124757.9 | 0.0 | S |
| 18.800 | 0.6703 | 0.0000 | 74.549 | 2.94890 | 0.00000 | 246987.4 | 124994.7 | 0.0 | S |
| 18.822 | 0.6718 | 0.0000 | 74.543 | 2.92587 | 0.00000 | 247041.1 | 125229.7 | 0.0 | S |
| 18.844 | 0.6728 | 0.0000 | 74.538 | 2.90333 | 0.00000 | 247094.9 | 125462.9 | 0.0 | S |
| 18.867 | 0.6735 | 0.0000 | 74.532 | 2.88124 | 0.00000 | 247148.7 | 125694.3 | 0.0 | S |
| 18.889 | 0.6740 | 0.0000 | 74.527 | 2.85960 | 0.00000 | 247202.6 | 125923.9 | 0.0 | S |
| 18.911 | 0.6744 | 0.0000 | 74.52 亿 | 2.83838 | 0.00000 | 247256.6 | 126151.8 | 0.0 | S |
| 18.933 | 0.6747 | 0.0000 | 74.516 | 2.81759 | 0.00000 | 247310.5 | 126378.0 | 0.0 | S |
| 18.956 | 0.6749 | 0.0000 | 74.510 | 2.79720 | 0.00000 | 247364.5 | 126602.6 | 0.0 | S |
| 18.978 | 0.6751 | 0.0000 | 74.505 | 2.77720 | 0.00000 | 247418.5 | 126825.6 | 0.0 | S |
| 19.000 | 0.6752 | 0.0000 | 74.500 | 2.75758 | 0.00000 | 247472.5 | 127047.0 | 0.0 | S |
| 19.022 | 0.6727 | 0.0000 | 74.495 | 2.73830 | 0.00000 | 247526.5 | 127266.8 | 0.0 | S |
| 19.044 | 0.6632 | 0.0000 | 74.490 | 2.71931 | 0.00000 | 247579.9 | 127485.1 | 0.0 | S |
| 19.067 | 0.6416 | 0.0000 | 74.485 | 2.70052 | 0.00000 | 247632.1 | 127701.9 | 0.0 | S |
| 19.089 | 0.6078 | 0.0000 | 74.479 | 2.68188 | 0.00000 | 247682.1 | 127917.2 | 0.0 | S |
| 19.111 | 0.5684 | 0.0000 | 74.474 | 2.66338 | 0.00000 | 247729.1 | 128131.0 | 0.0 | S |
| 19.133 | 0.5297 | 0.0000 | 74.469 | 2.64504 | 0.00000 | 247773.0 | 128343.3 | 0.0 | S |
| 19.156 | 0.4959 | 0.0000 | 74.464 | 2.62691 | 0.00000 | 247814.0 | 128554.2 | 0.0 | S |
| 19.178 | 0.4700 | 0.0000 | 74.458 | 2.60904 | 0.00000 | 247852.7 | 128763.6 | 0.0 | S |
| 19.200 | $0.45 ¢ 7$ | 0.0000 | 74.453 | 2.59147 | 0.00000 | 247889.5 | 128971.6 | 0.0 | S |
| 19.222 | 0.4388 | 0.0000 | 74.448 | 2.57423 | 0.00000 | 247925.2 | 129178.3 | 0.0 | S |
| 19.244 | 0.4293 | 0.0000 | 74.442 | 2.55731 | 0.00000 | 247959.9 | 129383.5 | 0.0 | S |
| 19.267 | 0.4225 | 0.0000 | 74.437 | 2.54071 | 0.00000 | 247994.0 | 129587.4 | 0.0 | S |
| 19.289 | 0.4176 | 0.0000 | 74.432 | 2.52441 | 0.00000 | 248027.6 | 129790.0 | 0.0 | S |
| 19.311 | 0.4140 | 0.0000 | 74.426 | 2.50842 | 0.00000 | 248060.8 | 129991.3 | 0.0 | S |
| 19.333 | 0.4115 | 0.0000 | 74.421 | 2.49272 | 0.00000 | 248093.9 | 130191.4 | 0.0 | S |
| 19.356 | 0.4096 | 0.0000 | 74.416 | 2.47729 | 0.00000 | 248126.7 | 130380.2 | 0.0 | S |
| 19.378 | 0.4083 | 0.0000 | 74.411 | 2.46213 | 0.00000 | 248159.4 | 130587.7 | 0.0 | S |
| 19.400 | 0.4073 | 0.0000 | 74.406 | 2.44723 | 0.00000 | 248192.0 | 130784.1 | 0.0 | S |
| 19.422 | 0.4067 | 0.0000 | 74.400 | 2.43259 | 0.00000 | 248224.6 | 130979.3 | 0.0 | S |
| 19.444 | 0.4061 | 0.0000 | 74.395 | 2.41818 | 0.00000 | 248257.1 | 131173.3 | 0.0 | S |
| 19.467 | 0.4058 | 0.0000 | 74.390 | 2.40401 | 0.00000 | 248289.6 | 131366.2 | 0.0 | S |
| 19.489 | 0.4055 | 0.0000 | 74.385 | 2.39006 | 0.00000 | 248322.0 | 131558.0 | 0.0 | S |
| 19.511 | 0.4053 | 0.0000 | 74.380 | 2.37633 | 0.00000 | 248354.5 | 131748.6 | 0.0 | S |
| 19.533 | 0.4075 | 0.0000 | 74.375 | 2.36285 | 0.00000 | 248387.0 | 131938.2 | 0.0 | S |
| 19.556 | 0.4148 | 0.0000 | 74.371 | 2,34962 | 0.00000 | 248419.9 | 132126.7 | 0.0 | S |
| 19.578 | 0.4305 | 0.0000 | 74.366 | 2.33669 | 0.00000 | 248453.7 | 132314.1 | 0.0 | S |
| 19.600 | 0.4529 | 0.0000 | 74.361 | 2.32408 | 0.00000 | 248489.0 | 132500.5 | 0.0 | S |
| 19.622 | 0.4771 | 0.0000 | 74.356 | 2.31177 | 0.00000 | 248526.2 | 132686.0 | 0.0 | S |
| 19.644 | 0.4998 | 0.0000 | 74.352 | 2.29974 | 0.00000 | 248565.3 | 132870.4 | 0.0 | S |
| 19.667 | 0.5189 | 0.0000 | 74.347 | 2.28793 | 0.00000 | 248606.1 | 133053.9 | 0.0 | S |
| 19.689 | 0.5327 | 0.0000 | 74.343 | 2.27630 | 0.00000 | 248648.1 | 133236.5 | 0.0 | S |
| 19.717 | 0.5424 | 0.0000 | 74.338 | 2.26484 | 0.00000 | 248691.1 | 133418.1 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 12-100 Year/24 Hour Routing

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / 3}$ ) | Overflow Discharge ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | $\begin{aligned} & \text { Flow } \\ & \text { Type } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 19.733 | 0.5493 | 0.0000 | 74.334 | 2.25352 | 0.00000 | 248734.8 | 133598.9 | 0.0 | S |
| 19.756 | 0.5544 | 0.0000 | 74.330 | 2.24233 | 0.00000 | 248778.9 | 133778.7 | 0.0 | S |
| 19.778 | 0.5580 | 0.0000 | 74.325 | 2.23127 | 0.00000 | 248823.4 | 133957.6 | 0.0 | S |
| 19.800 | 0.5607 | 0.0000 | 74.321 | 2.22034 | 0.00000 | 248868.2 | 134135.7 | 0.0 | S |
| 19.822 | 0.5626 | 0.0000 | 74.317 | 2.20953 | 0.00000 | 248913.1 | 134312.9 | 0.0 | S |
| 19.844 | 0.5639 | 0.0000 | 74.313 | 2.19885 | 0.00000 | 248958.2 | 134489.2 | 0.0 | S |
| 19.867 | 0.5649 | 0.0000 | 74.309 | 2.18830 | 0.00000 | 249003.3 | 134664.7 | 0.0 | S |
| 19.889 | 0.5656 | 0.0000 | 74.305 | 2.17787 | 0.00000 | 249048.5 | 134839.3 | 0.0 | S |
| 19.911 | 0.5661 | 0.0000 | 74.301 | 2.16756 | 0.00000 | 249093.8 | 135013.2 | 0.0 | S |
| 19.933 | 0.5665 | 0.0000 | 74.297 | 2.15737 | 0.00000 | 249139.1 | 135186.2 | 0.0 | S |
| 19.856 | 0.5668 | 0.0000 | 74.293 | 2.14731 | 0.00000 | 249184.5 | 135358.3 | 0.0 | S |
| 19.978 | 0.5670 | 0.0000 | 74.289 | 2.13736 | 0.00000 | 249229.8 | 135529.7 | 0.0 | S |
| 20.000 | 0.5655 | 0.0000 | 74.285 | 2.12751 | 0.00000 | 249275.1 | 135700.3 | 0.0 | S |
| 20.022 | 0.5578 | 0.0000 | 74.281 | 2.11771 | 0.00000 | 249320.0 | 135870.1 | 0.0 | S |
| 20.044 | 0.5385 | 0.0000 | 74.277 | 2.10789 | 0.00000 | 249363.9 | 136039.2 | 0.0 | S |
| 20.067 | 0.5047 | 0.0000 | 74.273 | 2.09799 | 0.00000 | 249405.6 | 136207.4 | 0.0 | S |
| 20.088 | 0.4622 | 0.0000 | 74.269 | 2.08798 | 0.00000 | 249444.3 | 136374.8 | 0.0 | S |
| 20.111 | 0.4187 | 0.0000 | 74.264 | 2.07789 | 0.00000 | 249479.5 | 136541.5 | 0.0 | S |
| 20.133 | 0.3797 | 0.0000 | 74.260 | 2.06779 | 0.00000 | 249511.5 | 136707.3 | 0.0 | S |
| 20.156 | 0.3485 | 0.0000 | 74.256 | 2.05772 | 0.00000 | 249540.6 | 136872.3 | 0.0 | S |
| 20.178 | 0.3263 | 0.0000 | 74.252 | 2.04776 | 0.00000 | 249567.6 | 137036.5 | 0.0 | S |
| 20.200 | 0.3106 | 0.0000 | 74.247 | 2.03794 | 0.00000 | 249593.1 | 137200.0 | 0.0 | S |
| 20.222 | 0.2993 | 0.0000 | 74.243 | 2.02827 | 0.00000 | 249617.5 | 137362.6 | 0.0 | S |
| 20.244 | 0.2911 | 0.0000 | 74.238 | 2.01875 | 0.00000 | 249641.1 | 137524.5 | 0.0 | S |
| 20.267 | 0.2852 | 0.0000 | 74.234 | 2.00939 | 0.00000 | 249664.1 | 137685.6 | 0.0 | S |
| 20.289 | 0.2809 | 0.0000 | 74.230 | 2.00017 | 0.00000 | 249686.8 | 137846.0 | 0.0 | S |
| 20.311 | 0.2778 | 0.0000 | 74.225 | 1.99109 | 0.00000 | 249709.1 | 138005.6 | 0.0 | S |
| 20.333 | 0.2756 | 0.0000 | 74.221 | 1.98214 | 0.00000 | 249731.3 | 138164.5 | 0.0 | S |
| 20.356 | 0.2740 | 0.0000 | 74.216 | 1.97333 | 0.00000 | 249753.3 | 138322.8 | 0.0 | S |
| 20.378 | 0.2728 | 0.0000 | 74.212 | 1.96463 | 0.00000 | 249775.1 | 138480.3 | 0.0 | S |
| 20.400 | 0.2720 | 0.0000 | 74.208 | 1.95605 | 0.00000 | 249796.9 | $\ddagger 38637.1$ | 0.0 | S |
| 20.422 | 0.2714 | 0.0000 | 74.204 | 1.94758 | 0.00000 | 249818.6 | 138793.3 | 0.0 | S |
| 20.444 | 0.2709 | 0.0000 | 74.199 | 1.93923 | 0.00000 | 249840.3 | 138948.7 | 0.0 | S |
| 20.467 | 0.2706 | 0.0000 | 74.195 | 1.93097 | 0.00000 | 249862.0 | 139103.5 | 0.0 | S |
| 20.489 | 0.2703 | 0.0000 | 74.191 | 1.92282 | 0.00000 | 249883.6 | 139257.7 | 0.0 | S |
| 20.511 | 0.2716 | 0.0000 | 74.187 | 1.91478 | 0.00000 | 249905.3 | 139411.2 | 0.0 | S |
| 20.533 | 0.2764 | 0.0000 | 74.182 | 1.90687 | 0.00000 | 249927.2 | 139564.0 | 0.0 | S |
| 20.556 | 0.2875 | 0.0000 | 74.178 | 1.89912 | 0.00000 | 249949.8 | 139716.3 | 0.0 | S |
| 20.578 | 0.3046 | 0.0000 | 74.174 | 1.89156 | 0.00000 | 249973.5 | 139867.9 | 0.0 | S |
| 20.600 | 0.3244 | 0.0000 | 74.170 | 1.88419 | 0.00000 | 249998.6 | 140018.9 | 0.0 | S |
| 20.622 | 0.3437 | 0.0000 | 74.166 | 1.87698 | 0.00000 | 250025.4 | 140169.4 | 0.0 | S |
| 20.644 | 0.3604 | 0.0000 | 74.162 | 1.86990 | 0.00000 | 250053.5 | 140319.3 | 0.0 | S |
| 20.667 | 0.3732 | 0.0000 | 74.158 | 1.86292 | 0.00000 | 250082.9 | 140468.6 | 0.0 | S |
| 20.689 | 0.3822 | 0.0000 | 74.155 | 1.85601 | 0.00000 | 250113.1 | 140617.3 | 0.0 | S |
| 20.711 | 0.3886 | 0.0000 | 74.151 | 1.84915 | 0.00000 | 250143.9 | 140765.5 | 0.0 | S |
| 20.733 | 0.3932 | 0.0000 | 74.147 | 1.84235 | 0.00000 | 250175.2 | 140913.2 | 0.0 | S |
| 20.756 | 0.3966 | 0.0000 | 74.143 | 1.83560 | 0.00000 | 250206.8 | 141060.3 | 0.0 | S |
| 20.778 | 0.3990 | 0.0000 | 74.140 | 1.82890 | 0.00000 | 250238.6 | 141206.9 | 0.0 | S |
| 20.800 | 0.4008 | 0.0000 | 74.136 | 1.82225 | 0.00000 | 250270.6 | \$41352.9 | 0.0 | S |
| 20.822 | 0.4020 | 0.0000 | 74.132 | 1.81565 | 0.00000 | 250302.7 | 141498.4 | 0.0 | S |
| 20.844 | 0.4029 | 0.0000 | 74.129 | 1.80910 | 0.00000 | 250334.9 | 141643.4 | 0.0 | S |
| 20.867 | 0.4036 | 0.0000 | 74.125 | 1.80259 | 0.00000 | 250367.2 | 141787.9 | 0.0 | S |
| 20.889 | 0.4041 | 0.0000 | 74.122 | 1.79615 | 0.00000 | 250399.5 | 141931.8 | 0.0 | S |
| 20.911 | 0.4044 | 0.0000 | 74.118 | 1.78975 | 0.00000 | 250431.8 | 142075.3 | 0.0 | S |
| 20.933 | 0.4047 | 0.0000 | 74.115 | 1.78341 | 0.00000 | 250464.2 | 142218.2 | 0.0 | S |
| 20.956 | 0.4048 | 0.0000 | 74.111 | 1.77712 | 0.00000 | 250496.5 | 142360.6 | 0.0 | S |
| 20.978 | 0.4050 | 0.0000 | 74.108 | 1.77088 | 0.00000 | 250528.9 | 142502.5 | 0.0 | S |
| 21.000 | 0.4051 | 0.0000 | 74.104 | 1.76469 | 0.00000 | 250561.3 | 142644.0 | 0.0 | S |
| 21.022 | 0.4031 | 0.0000 | 74.101 | 1.75854 | 0.00000 | 250593.7 | 142784.9 | 0.0 | S |
| 21.044 | 0.3968 | 0.0000 | 74.097 | 1.75239 | 0.00000 | 250625.7 | 142925.3 | 0.0 | S |
| 21.067 | 0.3835 | 0.0000 | 74.094 | 1.74621 | 0.00000 | 250656.9 | 143065.3 | 0.0 | S |
| 21.089 | 0.3647 | 0.0000 | 74.090 | 1.73998 | 0.00000 | 250686.8 | 143204.7 | 0.0 | S |
| 21.111 | 0.3444 | 0.0000 | 74.086 | 1.73370 | 0.00000 | 250715.2 | 143343.7 | 0.0 | S |
| 21.133 | 0.3256 | 0.0000 | 74.083 | 1.72740 | 0.00000 | 250742.0 | 143482.1 | 0.0 | S |
| 21.156 | 0.3098 | 0.0000 | 74.079 | 1.72112 | 0.00000 | 250767.4 | 143620.0 | 0.0 | S |
| 21.178 | 0.2985 | 0.0000 | 74.076 | 1.71488 | 0.00000 | 250791.7 | 143757.5 | 0.0 | S |
| 21.200 | 0.2906 | 0.0000 | 74.072 | 1.70870 | 0.00000 | 250815.3 | 143894.4 | 0.0 | S |
| 21.222 | 0.2849 | 0.0000 | 74.068 | 1.70260 | 0.00000 | 250838.3 | 144030.9 | 0.0 | S |
| 21.244 | 0.2807 | 0.0000 | 74.065 | 1.69656 | 0.00000 | 250860.9 | 144166.8 | 0.0 | S |
| 21.267 | 0.2778 | 0.0000 | 74.061 | 1.69060 | 0.00000 | 250883.3 | 144302.3 | 0.0 | S |
| 21.289 | 0.2756 | 0.0000 | 74.057 | 1.68471 | 0.00000 | 250905.4 | 144437.3 | 0.0 | S |
| 21.311 | 0.2740 | 0.0000 | 74.054 | 1.67889 | 0.00000 | 250927.4 | 144571.9 | 0.0 | S |
| 21.333 | 0.2729 | 0.0000 | 74.050 | 1.67313 | 0.00000 | 250949.3 | 144706.0 | 0.0 | S |
| 21.356 | 0.2721 | 0.0000 | 74.046 | 1.66744 | 0.00000 | 250971.1 | 144839.6 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $12-100$ Year / 24 Hour Routing

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume (ft³) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 21.378 | 0.2715 | 0.0000 | 74.043 | 1.66181 | 0.00000 | 250992.8 | 144972.8 | 0.0 | S |
| 21.400 | 0.2711 | 0.0000 | 74.039 | 1.65623 | 0.00000 | 251014.5 | 145105.5 | 0.0 | S |
| 21.422 | 0.2708 | 0.0000 | 74.036 | 1.65071 | 0.00000 | 251036.2 | 145237.8 | 0.0 | S |
| 21.444 | 0.2706 | 0.0000 | 74.032 | 1.64525 | 0.00000 | 251057.8 | 145369.6 | 0.0 | S |
| 21.467 | 0.2704 | 0.0000 | 74.029 | 1.63984 | 0.00000 | 251079.5 | 145501.0 | 0.0 | S |
| 21.489 | 0.2703 | 0.0000 | 74.025 | 1.63448 | 0.00000 | 251101.1 | 145632.0 | 0.0 | S |
| 21.511 | 0.2715 | 0.0000 | 74.022 | 1.62919 | 0.00000 | 251122.8 | 145762.5 | 0.0 | S |
| 21.533 | 0.2782 | 0.0000 | 74.018 | 1.62400 | 0.00000 | 251144.8 | 145892.6 | 0.0 | S |
| 21.556 | 0.2953 | 0.0000 | 74.015 | 1.61898 | 0.00000 | 251167.7 | 146022.3 | 0.0 | S |
| 21.578 | 0.3255 | 0.0000 | 74.011 | 1.61418 | 0.00000 | 251192.5 | 146151.7 | 0.0 | S |
| 21.600 | 0.3641 | 0.0000 | 74.008 | 1.60963 | 0.00000 | 251220.1 | 146280.6 | 0.0 | S |
| 21.622 | 0.4036 | 0.0000 | 74.005 | 1.60529 | 0.00000 | 251250.8 | 146409.2 | 0.0 | S |
| 21.644 | 0.4393 | 0.0000 | 74.002 | 1.60112 | 0.00000 | 251284.5 | 146537.5 | 0.0 | S |
| 21.667 | 0.4681 | 0.0000 | 73.999 | 1.59705 | 0.00000 | 251320.8 | 146665.4 | 0.0 | S |
| 21.689 | 0.4885 | 0.0000 | 73.996 | 1.59302 | 0.00000 | 251359.1 | 146793.0 | 0.0 | S |
| 21.711 | 0.5029 | 0.0000 | 73.993 | 1.58900 | 0.00000 | 251398.8 | 146920.3 | 0.0 | S |
| 21.733 | 0.5133 | 0.0000 | 73.990 | 1.58498 | 0.00000 | 251439.4 | 147047.2 | 0.0 | S |
| 21.756 | 0.5209 | 0.0000 | 73.987 | 1.58094 | 0.00000 | 251480.8 | 147173.9 | 0.0 | S |
| 21.778 | 0.5263 | 0.0000 | 73.985 | 1.57689 | 0.00000 | 251522.7 | 147300.2 | 0.0 | S |
| 21.800 | 0.5303 | 0.0000 | 73.982 | 1.57284 | 0.00000 | 251564.9 | 147426.2 | 0.0 | S |
| 21.822 | 0.5331 | 0.0000 | 73.979 | 1.56877 | 0.00000 | 251607.5 | 147551.8 | 0.0 | S |
| 21.844 | 0.5351 | 0.0000 | 73.977 | 1.56471 | 0.00000 | 251650.2 | 147677.2 | 0.0 | S |
| 21.867 | 0.5366 | 0.0000 | 73.974 | 1.56065 | 0.00000 | 251693.1 | 147802.2 | 0.0 | S |
| 21.889 | 0.5377 | 0.0000 | 73.971 | 1.55659 | 0.00000 | 251736.0 | 147926.9 | 0.0 | S |
| 21.911 | 0.5385 | 0.0000 | 73.969 | 1.55255 | 0.00000 | 251779.1 | 148051.3 | 0.0 | S |
| 21.933 | 0.5390 | 0.0000 | 73.966 | 1.54851 | 0.00000 | 251822.2 | 148175.3 | 0.0 | S |
| 21.956 | 0.5394 | 0.0000 | 73.963 | 1.54449 | 0.00000 | 251865.3 | 148299.0 | 0.0 | S |
| 21.978 | 0.5397 | 0.0000 | 73.961 | 1.54048 | 0.00000 | 251908.5 | 148422.4 | 0.0 | S |
| 22.000 | 0.5400 | 0.0000 | 73.958 | 1.53648 | 0.00000 | 251951.7 | 148545.5 | 0.0 | S |
| 22.022 | 0.5375 | 0.0000 | 73.956 | 1.53248 | 0.00000 | 251994.8 | 148668.2 | 0.0 | S |
| 22.044 | 0.5281 | 0.0000 | 73.953 | 1.52842 | 0.00000 | 252037.4 | 148790.7 | 0.0 | S |
| 22.067 | 0.5065 | 0.0000 | 73.950 | 1.52423 | 0.00000 | 252078.8 | 148912.8 | 0.0 | S |
| 22.089 | 0.4727 | 0.0000 | 73.948 | 1.51988 | 0.00000 | 252118.0 | 149034.6 | 0.0 | S |
| 22.111 | 0.4333 | 0.0000 | 73.945 | 1.51535 | 0.00000 | 252154.2 | 149156.0 | 0.0 | S |
| 22.133 | 0.3946 | 0.0000 | 73.942 | 1.51068 | 0.00000 | 252187.3 | 149277.0 | 0.0 | S |
| 22.156 | 0.3609 | 0.0000 | 73.939 | 1.50593 | 0.00000 | 252217.5 | 149397.7 | 0.0 | S |
| 22.178 | 0.3350 | 0.0000 | 73.936 | 1.50117 | 0.00000 | 252245.4 | 149518.0 | 0.0 | S |
| 22.200 | 0.3167 | 0.0000 | 73.933 | 1.49644 | 0.00000 | 252271.4 | 149637.9 | 0.0 | S |
| 22.222 | 0.3038 | 0.0000 | 73.930 | 1.49178 | 0.00000 | 252296.3 | 149757.4 | 0.0 | S |
| 22.244 | 0.2943 | 0.0000 | 73.927 | 1.48718 | 0.00000 | 252320.2 | 149876.5 | 0.0 | S |
| 22.267 | 0.2875 | 0.0000 | 73.924 | 1.48266 | 0.00000 | 252343.4 | 149995.3 | 0.0 | S |
| 22.289 | 0.2826 | 0.0000 | 73.921 | 1.47821 | 0.00000 | 252366.3 | 150113.8 | 0.0 | S |
| 22.311 | 0.2790 | 0.0000 | 73.917 | 1.47383 | 0.00000 | 252388.7 | 150231.9 | 0.0 | S |
| 22.333 | 0.2765 | 0.0000 | 73.914 | 1.46951 | 0.00000 | 252410.9 | 150349.6 | 0.0 | S |
| 22.356 | 0.2746 | 0.0000 | 73.911 | 1.46525 | 0.00000 | 252433.0 | 150467.0 | 0.0 | S |
| 22.378 | 0.2733 | 0.0000 | 73.908 | 1.46105 | 0.00000 | 252454.9 | 150584.0 | 0.0 | S |
| 22.400 | 0.2723 | 0.0000 | 73.905 | 1.45690 | 0.00000 | 252476.7 | 150700.8 | 0.0 | S |
| 22.422 | 0.2717 | 0.0000 | 73.902 | 1.45279 | 0.00000 | 252498.5 | 150817.1 | 0.0 | S |
| 22.444 | 0.2712 | 0.0000 | 73.899 | 1.44874 | 0.00000 | 252520.2 | 150933.2 | 0.0 | S |
| 22.467 | 0.2708 | 0.0000 | 73.896 | 1.44472 | 0.00000 | 252541.9 | 151048.9 | 0.0 | S |
| 22.489 | 0.2705 | 0.0000 | 73.893 | \$. 44074 | 0.00000 | 252563.5 | 151164.3 | 0.0 | S |
| 22.511 | 0.2703 | 0.0000 | 73.890 | 1.43681 | 0.00000 | 252585.2 | 151279.5 | 0.0 | S |
| 22.533 | 0.2724 | 0.0000 | 73.887 | 1.43294 | 0.00000 | 252606.9 | 151394.2 | 0.0 | S |
| 22.556 | 0.2794 | 0.0000 | 73.884 | 1.42915 | 0.00000 | 252628.9 | 151508.7 | 0.0 | S |
| 22.578 | 0.2944 | 0.0000 | 73.881 | 1.42549 | 0.00000 | 252651.9 | 151622.9 | 0.0 | S |
| 22.600 | 0.3158 | 0.0000 | 73.878 | 1.42199 | 0.00000 | 252676.3 | 151736.8 | 0.0 | S |
| 22.622 | 0.3391 | 0.0000 | 73.875 | 1.41862 | 0.00000 | 252702.5 | 151850.4 | 0.0 | S |
| 22.644 | 0.3608 | 0.0000 | 73.872 | 1.41537 | 0.00000 | 252730.5 | 151963.8 | 0.0 | S |
| 22.667 | 0.3791 | 0.0000 | 73.869 | 1.41219 | 0.00000 | 252760.1 | 152076.9 | 0.0 | S |
| 22.689 | 0.3923 | 0.0000 | 73.867 | 1.40905 | 0.00000 | 252790.9 | 152189.7 | 0.0 | S |
| 22.711 | 0.4015 | 0.0000 | 73.864 | 1.40592 | 0.00000 | 252822.7 | 152302.3 | 0.0 | S |
| 22.733 | 0.4082 | 0.0000 | 73.861 | 1.40280 | 0.00000 | 252855.1 | 152414.7 | 0.0 | S |
| 22.756 | 0.4130 | 0.0000 | 73.859 | 1.39967 | 0.00000 | 252887.9 | 152526.8 | 0.0 | S |
| 22.778 | 0.4165 | 0.0000 | 73.856 | 1.39654 | 0.00000 | 252921.1 | 152638.6 | 0.0 | S |
| 22.800 | 0.4191 | 0.0000 | 73.854 | 1.39341 | 0.00000 | 252954.5 | 152750.2 | 0.0 | S |
| 22.822 | 0.4209 | 0.0000 | 73.851 | 1.39028 | 0.00000 | 252988.1 | 152861.6 | 0.0 | S |
| 22.844 | 0.4222 | 0.0000 | 73.848 | 1.38714 | 0.00000 | 253021.8 | 152972.7 | 0.0 | S |
| 22.867 | 0.4231 | 0.0000 | 73.846 | 1.38402 | 0.00000 | 253055.7 | 153083.5 | 0.0 | S |
| 22.889 | 0.4238 | 0.0000 | 73.843 | 1.38089 | 0.00000 | 253089.5 | 153194.1 | 0.0 | S |
| 22.911 | 0.4243 | 0.0000 | 73.841 | 1.37778 | 0.00000 | 253123.5 | 153304.5 | 0.0 | S |
| 22.933 | 0.4247 | 0.0000 | 73.838 | 1.37467 | 0.00000 | 253157.4 | 153414.5 | 0.0 | S |
| 22.956 | 0.4249 | 0.0000 | 73.836 | 1.37157 | 0.00000 | 253191.4 | 153524.4 | 0.0 | S |
| 22.978 | 0.4251 | 0.0000 | 73.833 | 1.36848 | 0.00000 | 253225.4 | 153634.0 | 0.0 | S |
| 23.000 | 0.4237 | 0.0000 | 73.831 | 1.36538 | 0.00000 | 253259.4 | 153743.4 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 12-100 Year / 24 Hour Routing

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infitration Rate ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 23.022 | 0.4161 | 0,0000 | 73.828 | 1.36224 | 0.00000 | 253293.0 | 153852.5 | 0.0 | S |
| 23.044 | 0.3972 | 0.0000 | 73.826 | 1.35897 | 0.00000 | 253325.5 | 153961.3 | 0.0 | S |
| 23.067 | 0.3643 | 0.0000 | 73.823 | 1.35552 | 0.00000 | 253355.9 | 154069.9 | 0.0 | S |
| 23.089 | 0.3227 | 0.0000 | 73.821 | 1.35187 | 0.00000 | 253383.4 | 154178.2 | 0.0 | S |
| 23.111 | 0.2803 | 0.0000 | 73.818 | 1.34805 | 0.00000 | 253407.5 | 154286.2 | 0.0 | S |
| 23.133 | 0.2422 | 0.0000 | 73.815 | 1.34411 | 0.00000 | 253428.4 | 154393.9 | 0.0 | S |
| 23.156 | 0.2117 | 0.0000 | 73.812 | 1.34013 | 0.00000 | 253446.6 | 154501.3 | 0.0 | S |
| 23.178 | 0.1900 | 0.0000 | 73.809 | 1.33616 | 0.00000 | 253462.7 | 154608.3 | 0.0 | S |
| 23.200 | 0.1747 | 0.0000 | 73.806 | 1.33225 | 0.00000 | 253477.2 | 154715.0 | 0.0 | S |
| 23.222 | 0.1637 | 0.0000 | 73.803 | 1.32840 | 0.00000 | 253490.8 | 154821.5 | 0.0 | S |
| 23.244 | 0.1556 | 0.0000 | 73.800 | 1.32463 | 0.00000 | 253503.5 | 154927.6 | 0.0 | S |
| 23.267 | 0.1498 | 0.0000 | 73.797 | 1.32092 | 0.00000 | 253515.8 | 155033.4 | 0.0 | S |
| 23.289 | 0.1456 | 0.0000 | 73.794 | 1.31728 | 0.00000 | 253527.6 | 155138.9 | 0.0 | S |
| 23.311 | 0.1426 | 0.0000 | 73.791 | 1.31370 | 0.00000 | 253539.1 | 155244.2 | 0.0 | S |
| 23.333 | 0.1405 | 0.0000 | 73.788 | 1.31017 | 0.00000 | 253550.4 | 155349.1 | 0.0 | S |
| 23.356 | 0.1389 | 0.0000 | 73.785 | 1.30670 | 0.00000 | 253561.6 | 155453.8 | 0.0 | S |
| 23.378 | 0.1378 | 0.0000 | 73.781 | 1.30327 | 0.00000 | 253572.7 | 155558.2 | 0.0 | S |
| 23.400 | 0.1369 | 0.0000 | 73.778 | 1.29989 | 0.00000 | 253583.7 | 155662.3 | 0.0 | S |
| 23.422 | 0.1364 | 0.0000 | 73.775 | 1.29655 | 0.00000 | 253594.6 | 155766.2 | 0.0 | S |
| 23.444 | 0.1359 | 0.0000 | 73.772 | 1.29325 | 0.00000 | 253605.5 | 155869.8 | 0.0 | S |
| 23.467 | 0.1356 | 0.0000 | 73.769 | 1.28998 | 0.00000 | 253616.3 | 155973.1 | 0.0 | S |
| 23.489 | 0.1353 | 0.0000 | 73.766 | 1.28675 | 0.00000 | 253627.2 | 156076.2 | 0.0 | S |
| 23.511 | 0.1352 | 0.0000 | 73.763 | 1.28355 | 0.00000 | 253638.0 | 156179.0 | 0.0 | S |
| 23.533 | 0.1351 | 0.0000 | 73.760 | 1.28037 | 0.00000 | 253648.8 | 156281.5 | 0.0 | S |
| 23.556 | 0.1351 | 0.0000 | 73.757 | 1.27723 | 0.00000 | 253659.6 | 156383.8 | 0.0 | S |
| 23.578 | 0.1351 | 0.0000 | 73.754 | 1.27411 | 0.00000 | 253670.4 | 156485.9 | 0.0 | S |
| 23.600 | 0.1351 | 0.0000 | 73.751 | 1.27102 | 0.00000 | 253681.3 | 156587.7 | 0.0 | S |
| 23.622 | 0.1351 | 0.0000 | 73.748 | 1.26795 | 0.00000 | 253692.1 | 156689.3 | 0.0 | S |
| 23.644 | 0.1351 | 0.0000 | 73.745 | 1.26490 | 0.00000 | 253702.9 | 156790.6 | 0.0 | S |
| 23.667 | 0.1350 | 0.0000 | 73.742 | 1.26188 | 0.00000 | 253713.7 | 156891.6 | 0.0 | S |
| 23.689 | 0.1350 | 0.0000 | 73.739 | 1.25888 | 0.00000 | 253724.5 | 156992.5 | 0.0 | S |
| 23.771 | 0.1350 | 0.0000 | 73.736 | 1.25591 | 0.00000 | 253735.3 | 157093.1 | 0.0 | S |
| 23.733 | 0.1350 | 0.0000 | 73.733 | 1.25295 | 0.00000 | 253746.1 | 157193.4 | 0.0 | S |
| 23.756 | 0.1350 | 0.0000 | 73.730 | 1.25001 | 0.00000 | 253756.9 | 157293.5 | 0.0 | S |
| 23.778 | 0.1350 | 0.0000 | 73.727 | 1.24710 | 0.00000 | 253767.7 | 157393.4 | 0.0 | S |
| 23.800 | 0.1350 | 0.0000 | 73.724 | 1.24420 | 0.00000 | 253778.5 | 157493.1 | 0.0 | S |
| 23.822 | 0.1350 | 0.0000 | 73.721 | 1.24132 | 0.00000 | 253789.3 | 157592.5 | 0.0 | S |
| 23.844 | 0.1350 | 0.0000 | 73.718 | 1.23846 | 0.00000 | 253800.1 | 157691.7 | 0.0 | S |
| 23.867 | 0.1350 | 0.0000 | 73.716 | 1.23562 | 0.00000 | 253810.9 | 157790.6 | 0.0 | S |
| 23.889 | 0.1350 | 0.0000 | 73.713 | 1.23280 | 0.00000 | 253821.7 | 157889.4 | 0.0 | S |
| 23.911 | 0.1350 | 0.0000 | 73.710 | 1.22999 | 0.00000 | 253832.5 | 157987.9 | 0.0 | S |
| 23.933 | 0.1350 | 0.0000 | 73.707 | 1.22720 | 0.00000 | 253843.3 | 158086.2 | 0.0 | S |
| 23.956 | 0.1350 | 0.0000 | 73.704 | 1.22443 | 0.00000 | 253854.1 | 158184.2 | 0.0 | S |
| 23.978 | 0.1350 | 0.0000 | 73.701 | 1.22168 | 0.00000 | 253864.9 | 158282.1 | 0.0 | S |
| 24.000 | 0.1350 | 0.0000 | 73.698 | 1.21894 | 0.00000 | 253875.7 | 158379.7 | 0.0 | S |
| 24.022 | 0.1330 | 0.0000 | 73.695 | 1.21619 | 0.00000 | 253886.4 | 158477.1 | 0.0 | S |
| 24.044 | 0.1267 | 0.0000 | 73.692 | 1.21341 | 0.00000 | 253896.8 | 158574.3 | 0.0 | S |
| 24.067 | 0.1133 | 0.0000 | 73.689 | 1.21057 | 0.00000 | 253906.4 | 158671.3 | 0.0 | S |
| 24.089 | 0.0945 | 0.0000 | 73.687 | 1.20763 | 0.00000 | 253914.7 | 158768.0 | 0.0 | S |
| 24.111 | 0.0743 | 0.0000 | 73.684 | 1.20462 | 0.00000 | 253921.5 | 158864.5 | 0.0 | S |
| 24.133 | 0.0555 | 0.0000 | 73.681 | 1.20155 | 0.00000 | 253926.6 | 158960.7 | 0.0 | S |
| 24.156 | 0.0397 | 0.0000 | 73.677 | 1.19846 | 0.00000 | 253930.4 | 159056.7 | 0.0 | S |
| 24.178 | 0.0283 | 0.0000 | 73.674 | 1.19537 | 0.00000 | 253933.2 | 159152.5 | 0.0 | S |
| 24.200 | 0.0204 | 0.0000 | 73.671 | 1.19231 | 0.00000 | 253935.1 | 159248.0 | 0.0 | S |
| 24.222 | 0.0148 | 0.0000 | 73.668 | 1.18929 | 0.00000 | 253936.5 | 159343.3 | 0.0 | S |
| 24.244 | 0.0106 | 0.0000 | 73.665 | 1.18631 | 0.00000 | 253937.5 | 159438.3 | 0.0 | S |
| 24.267 | 0.0076 | 0.0000 | 73.662 | 1.18337 | 0.00000 | 253938.3 | 159533.1 | 0.0 | S |
| 24.289 | 0.0054 | 0.0000 | 73.659 | 1.18047 | 0.00000 | 253938.8 | 159627.6 | 0.0 | S |
| 24.311 | 0.0039 | 0.0000 | 73.656 | 1.17760 | 0.00000 | 253939.2 | 159721.9 | 0.0 | S |
| 24.333 | 0.0028 | 0.0000 | 73.652 | 1.17477 | 0.00000 | 253939.4 | 159816.0 | 0.0 | S |
| 24.356 | 0.0020 | 0.0000 | 73.649 | 1.17197 | 0.00000 | 253939.6 | 159909.9 | 0.0 | S |
| 24.378 | 0.0014 | 0.0000 | 73.646 | 1.16919 | 0.00000 | 253939.8 | 160003.5 | 0.0 | S |
| 24.400 | 0.0009 | 0.0000 | 73.643 | 1.16645 | 0.00000 | 253939.8 | 160097.0 | 0.0 | S |
| 24.422 | 0.0006 | 0.0000 | 73.640 | 1.16373 | 0.00000 | 253939.9 | 160190.2 | 0.0 | S |
| 24.444 | 0.0004 | 0.0000 | 73.637 | 1.16104 | 0.00000 | 253940.0 | 160283.2 | 0.0 | S |
| 24.467 | 0.0002 | 0.0000 | 73.634 | 1. 15836 | 0.00000 | 253940.0 | 160375.9 | 0.0 | S |
| 24.489 | 0.0001 | 0.0000 | 73.631 | 1.15571 | 0.00000 | 253940.0 | 160468.5 | 0.0 | S |
| 24.511 | 0.0000 | 0.0000 | 73.628 | 1.15308 | 0.00000 | 253940.0 | 160560.8 | 0.0 | S |
| 24.533 | 0.0000 | 0.0000 | 73.625 | 1.15047 | 0.00000 | 253940.0 | 160653.0 | 0.0 | S |
| 24.556 | 0.0000 | 0.0000 | 73.622 | 1.14788 | 0.00000 | 253940.0 | 760744.9 | 0.0 | S |
| 24.578 | 0.0000 | 0.0000 | 73.618 | 1.14601 | 0.00000 | 253940.0 | 160836.7 | 0.0 | S |
| 48.578 | 0.0000 | 0.0000 | 72.024 | 0.40615 | 0.00000 | 253940.0 | 205560.8 | 0.0 | S |
| 72.578 | 0.0000 | 0.0000 | 71.007 | 0.24441 | 0.00000 | 253940.0 | 231019.5 | 0.0 | S |
| 96.578 | 0.0000 | 0.0000 | 70.280 | 0.13264 | 0.00000 | 253940.0 | 247794.9 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 12-100 Year / 24 Hour Routing

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Outside Recharge (fiday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow <br> Discharge ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 120.578 | 0.0000 | 0.0000 | 69.701 | 0.03556 | 0.00000 | 253940.0 | 253940.0 | 0.0 | S |
| 144.578 | 0.0000 | 0.0000 | 69.233 | 0.00000 | 0.00000 | 253940.0 | 253940.0 | 0.0 | S |
| 168.578 | 0.0000 | 0.0000 | 68.858 | 0.00000 | 0.00000 | 253940.0 | 253940.0 | 0.0 | S |
| 192.578 | 0.0000 | 0.0000 | 68.547 | 0.00000 | 0.00000 | 253940.0 | 253940.0 | 0.0 | S |
| 216.578 | 0.0000 | 0.0000 | 68.282 | 0.00000 | 0.00000 | 253940.0 | 253940.0 | 0.0 | S |
| 240.578 | 0.0000 | 0.0000 | 68.053 | 0.00000 | 0.00000 | 253940.0 | 253940.0 | 0.0 | S |
| 264.578 | 0.0000 | 0.0000 | 67.851 | 0.00000 | 0.00000 | 253940.0 | 253940.0 | 0.0 | S |
| 288.578 | 0.0000 | 0.0000 | 67.671 | 0.00000 | 0.00000 | 253940.0 | 253940.0 | 0.0 | S |
| 360.578 | 0.0000 | 0.0000 | 67.259 | ---- | - | 253940.0 | 253940.0 | 0.0 | N.A. |

## PONDS Routing and Recovery Analysis

## Buildout Results

# PONDS Routing and Recovery Analysis 

## Buildout Results

Pond 1<br>100-year / 24-Hour Storm<br>Input Report Summary of Results Detailed Results

(Pond dry at Hour 288)

## Project Data

Project Name: Vista Landfill Redesign
Simulation Description: Pond 1100 year / 24 Hour Routing and Recovery Analysis w/ infiltartion
Project Number: ..... 10-2141
Engineer : ..... cms
Supervising Engineer: ..... cms
Date: ..... 01-06-2011
Aquifer Data
Base Of Aquifer Elevation, [B] (ft datum): ..... 59.00
Water Table Elevation, [WT] (ft datum): ..... 60.00
Horizontal Saturated Hydraulic Conductivity, [Kh] (ff/day): ..... 15.00
Fillable Porosity, [n] (\%): ..... 20.00
Unsaturated Vertical Infiltration Rate, [IV] (fi/day): ..... 5.0
Maximum Area For Unsaturated Infiltration, [Av] (ft²): ..... 50809.0

## Geometry Data

Equivalent Pond Length, [L] (ft): ..... 250.0
Equivalent Pond Width, [W] (ft): ..... 175.0
Ground water mound is expected to intersect the pond bottom

## Stage vs Area Data

| Stage <br> (ft datum) | Area <br> $\left(\mathrm{ft}^{2}\right)$ |  |
| ---: | ---: | ---: |
| 70.00 |  | 5629.0 |
| 72.00 |  | 7779.0 |
| 74.00 |  | 10555.0 |
| 76.00 |  | 162262.0 |
| 78.00 | 19332.0 |  |
| 80.00 | 22824.0 |  |
| 82.00 | 26603.0 |  |
| 84.00 | 30562.0 |  |
| 86.00 | 34751.0 |  |
| 88.00 | 39373.0 |  |
| 90.00 | 44635.0 |  |
| 92.00 | 50809.0 |  |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

## Discharge Structures

Discharge Structure \#1 is inactive
Discharge Structure \#2 is inactive
Discharge Structure \#3 is inactive

# Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E. 

## Scenario Input Data

## Scenario 1 :: Pond 1 - 100 Year / 24 Hour Routing

| Hydrograph Type: <br> Modflow Routing: | Inline SCS <br> Routed with infiltration <br> Repetitions: |
| :--- | :--- |
|  |  |
|  |  |
| Basin Area (acres) |  |
| Time Of Concentration (minutes) | 13.140 |
| DCIA (\%) | 0.0 |
| Curve Number | 0.0 |
| Design Rainfall Depth (inches) | 98 |
| Design Rainfall Duration (hours) | 24.0 |
| Shape Factor | UHG 484 |
| Rainfall Distribution | Orange County 100 Year -24 Hour |

Initial ground water level (ft datum) default, 60.00

| Time After <br> Storm Event <br> (days) | Time After <br> Storm Event <br> (days) | Time After <br> Storm Event <br> (days) |
| ---: | ---: | ---: |
| 1.000 | 6.000 | 11.000 |
| 2.000 | 7.000 | 12.000 |
| 3.000 | 8.000 | 13.000 |
| 4.000 | 9.000 | 14.000 |
| 5.000 | 10.000 |  |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Summary of Results :: Scenario 1 :: Pond 1 - 100 Year / 24 Hour Routing

|  | Time (hours) | $\begin{gathered} \text { Stage } \\ \text { (ft datum) } \end{gathered}$ | $\begin{aligned} & \text { Rate } \\ & \left(\mathrm{ft}^{3} / \mathrm{s}\right) \end{aligned}$ | Volume (ft ${ }^{3}$ ) |
| :---: | :---: | :---: | :---: | :---: |
| Stage |  |  |  |  |
| Minimum | 0.000 | 60.00 |  |  |
| Maximum | 14.156 | 89.76 |  |  |
| Inflow |  |  |  |  |
| Rate - Maximum - Positive | 9.000 |  | 28.8992 |  |
| Rate - Maximum - Negative | None |  | None |  |
| Cumulative Volume - Maximum Positive | 24.511 |  |  | 494336.5 |
| Cumulative Volume - Maximum Negative | None |  |  | None |
| Cumulative Volume - End of Simulation | 360.578 |  |  | 494336.5 |
| Infiltration |  |  |  |  |
| Rate - Maximum - Positive | 14.178 |  | 2.2460 |  |
| Rate - Maximum - Negative | None |  | None |  |
| Cumulative Volume - Maximum Positive | 288.578 |  |  | 494336.5 |
| Cumulative Volume - Maximum Negative | None |  |  | None |
| Cumulative Volume - End of Simulation | 360.578 |  |  | 494336.5 |
| Combined Discharge |  |  |  |  |
| Rate - Maximum - Positive | None |  | None |  |
| Rate - Maximum - Negative | None |  | None |  |
| Cumulative Volume - Maximum Positive | None |  |  | None |
| Cumulative Volume - Maximum Negative | None |  |  | None |
| Cumulative Volume - End of Simulation | 360.578 |  |  | 0.0 |
| Discharge Structure 1 - inactive |  |  |  |  |
|  |  |  |  |  |
| Rate - Maximum - Negative | disabled |  | disabled |  |
| Cumulative Volume - Maximum Positive | disabled |  |  | disabled |
| Cumulative Volume - Maximum Negative | disabled |  |  | disabled |
| Cumulative Volume - End of Simulation | disabled |  |  | disabled |
| Discharge Structure 2 - inactive |  |  |  |  |
| Rate - Maximum - Positive | disabled |  | disabled |  |
| Rate - Maximum - Negative | disabled |  | disabled |  |
| Cumulative Volume - Maximum Positive | disabled |  |  | disabled |
| Cumulative Volume - Maximum Negative | disabled |  |  | disabled |
| Cumulative Volume - End of Simulation | disabled |  |  | disabled |
| Discharge Structure 3 - inactive |  |  |  |  |
| Rate - Maximum - Positive | disabled |  | disabled |  |
| Rate - Maximum - Negative | disabled |  | disabled |  |
| Cumulative Volume - Maximum Positive | disabled |  |  | disabled |
| Cumulative Volume - Maximum Negative | disabled |  |  | disabled |
| Cumulative Volume - End of Simulation | disabled |  |  | disabled |
| Pollution Abatement: |  |  |  |  |
| 36 Hour Stage and Infiltration Volume | N.A. | N.A. |  | N.A. |
| 72 Hour Stage and Infiltration Volume | N.A. | N.A. |  | N.A. |

PONDS Version 3.2.0207

# Retention Pond Recovery - Refined Method Copyright 2003 

Devo Seereeram, Ph.D., P.E.
Detailed Results :: Scenario 1 :: Pond 1-100 Year/24 Hour Routing

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{13 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Fiow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 0.000 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | N.A. |
| 0.022 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.044 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.067 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.089 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.111 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.133 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.156 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.178 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.200 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.222 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.244 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.267 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.289 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.311 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.333 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.356 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.378 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.400 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.422 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.444 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.467 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.489 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.511 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.533 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.556 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.578 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.600 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.622 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.644 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.667 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.689 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.711 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.733 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.756 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.778 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.800 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.822 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.844 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.867 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.889 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.911 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.933 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.956 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.978 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.000 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.022 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.044 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.067 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.089 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.111 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.133 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.156 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.178 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.200 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.222 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.244 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.267 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.289 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.311 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.333 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.356 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.378 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.400 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.422 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.444 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.467 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.489 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.511 | 0.0000 | 0.0000 | 60.000 | 0.00001 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.533 | 0.0000 | 0.0000 | 60.000 | 0.00013 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.556 | 0.0004 | 0.0000 | 60.000 | 0.00067 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.578 | 0.0018 | 0.0000 | 60.000 | 0.00227 | 0.00000 | 0.1 | 0.1 | 0.0 | U |
| 1.600 | 0.0051 | 0.0000 | 60.000 | 0.00573 | 0.00000 | 0.4 | 0.4 | 0.0 | U |
| 1.622 | 0.0110 | 0.0000 | 60.000 | 0.01165 | 0.00000 | 1.0 | 1.0 | 0.0 | U |

PONDS Version 3.2.0207

# Retention Pond Recovery - Refined Method <br> Copyright 2003 

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 1 -100 Year/24 Hour Routing

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 /} \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $f^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1.644 | 0.0196 | 0.0000 | 60.000 | 0.02023 | 0.00000 | 2.2 | 2.2 | 0.0 | U |
| 1.667 | 0.0307 | 0.0000 | 60.000 | 0.03124 | 0.00000 | 4.3 | 4.3 | 0.0 | U |
| 1.689 | 0.0439 | 0.0000 | 60.001 | 0.04419 | 0.00000 | 7.2 | 7.2 | 0.0 | U |
| 1.711 | 0.0583 | 0.0000 | 60.001 | 0.05850 | 0.00000 | 11.3 | 11.3 | 0.0 | U |
| 1.733 | 0.0735 | 0.0000 | 60.002 | 0.07365 | 0.00000 | 16.6 | 16.6 | 0.0 | U |
| 1.756 | 0.0892 | 0.0000 | 60.002 | 0.08927 | 0.00000 | 23.1 | 23.1 | 0.0 | U |
| 1.778 | 0.1051 | 0.0000 | 60.003 | 0.10511 | 0.00000 | 30.9 | 30.9 | 0.0 | U |
| 1.800 | 0.1210 | 0.0000 | 60.004 | 0.12101 | 0.00000 | 39.9 | 39.9 | 0.0 | U |
| 1.822 | 0.1369 | 0.0000 | 60.005 | 0.13682 | 0.00000 | 50.3 | 50.3 | 0.0 | U |
| 1.844 | 0.1525 | 0.0000 | 60.006 | 0.15248 | 0.00000 | 61.8 | 61.8 | 0.0 | U |
| 1.867 | 0.1680 | 0.0000 | 60.007 | 0.16792 | 0.00000 | 74.6 | 74.6 | 0.0 | U |
| 1.889 | 0.1832 | 0.0000 | 60.009 | 0.18309 | 0.00000 | 88.7 | 88.7 | 0.0 | U |
| 1.911 | 0.1981 | 0.0000 | 60.010 | 0.19799 | 0.00000 | 103.9 | 103.9 | 0.0 | U |
| 1.933 | 0.2127 | 0.0000 | 60.012 | 0.21258 | 0.00000 | 120.4 | 120.4 | 0.0 | U |
| 1.956 | 0.2269 | 0.0000 | 60.014 | 0.22687 | 0.00000 | 138.0 | 138.0 | 0.0 | U |
| 1.978 | 0.2409 | 0.0000 | 60.015 | 0.24104 | 0.00000 | 156.7 | 156.7 | 0.0 | U |
| 2.000 | 0.2554 | 0.0000 | 60.017 | 0.25606 | 0.00000 | 176.5 | 176.5 | 0.0 | U |
| 2.022 | 0.2726 | 0.0000 | 60.019 | 0.27402 | 0.00000 | 197.6 | 197.6 | 0.0 | U |
| 2.044 | 0.2955 | 0.0000 | 60.022 | 0.29742 | 0.00000 | 220.4 | 220.4 | 0.0 | U |
| 2.067 | 0.3260 | 0.0000 | 60.024 | 0.31826 | 0.00000 | 245.2 | 245.2 | 0.0 | U |
| 2.089 | 0.3619 | 0.0000 | 70.000 | 0.32576 | 0.00000 | 272.7 | 271.3 | 0.0 | U/P |
| 2.111 | 0.3995 | 0.0000 | 70.001 | 0.32579 | 0.00000 | 303.2 | 297.3 | 0.0 | U/P |
| 2.133 | 0.4362 | 0.0000 | 70.002 | 0.32586 | 0.00000 | 336.6 | 323.4 | 0.0 | U/P |
| 2.156 | 0.4702 | 0.0000 | 70.004 | 0.32595 | 0.00000 | 372.9 | 349.5 | 0.0 | U/P |
| 2.178 | 0.5005 | 0.0000 | 70.006 | 0.32608 | 0.00000 | 411.7 | 375.6 | 0.0 | U/P |
| 2.200 | 0.5278 | 0.0000 | 70.009 | 0.32623 | 0.00000 | 452.8 | 401.7 | 0.0 | U/P |
| 2.222 | 0.5530 | 0.0000 | 70.012 | 0.32641 | 0.00000 | 496.1 | 427.8 | 0.0 | U/P |
| 2.244 | 0.5765 | 0.0000 | 70.016 | 0.32661 | 0.00000 | 541.3 | 453.9 | 0.0 | U/P |
| 2.267 | 0.5987 | 0.0000 | 70.019 | 0.32683 | 0.00000 | 588.3 | 480.0 | 0.0 | U/P |
| 2.289 | 0.6197 | 0.0000 | 70.023 | 0.32707 | 0.00000 | 637.0 | 506.2 | 0.0 | U/P |
| 2.311 | 0.6397 | 0.0000 | 70.027 | 0.32733 | 0.00000 | 687.4 | 532.4 | 0.0 | U/P |
| 2.333 | 0.6589 | 0.0000 | 70.032 | 0.32760 | 0.00000 | 739.3 | 558.6 | 0.0 | U/P |
| 2.356 | 0.6774 | 0.0000 | 70.037 | 0.32789 | 0.00000 | 792.8 | 584.8 | 0.0 | U/P |
| 2.378 | 0.6952 | 0.0000 | 70.042 | 0.32820 | 0.00000 | 847.7 | 611.0 | 0.0 | U/P |
| 2.400 | 0.7123 | 0.0000 | 70.047 | 0.32852 | 0.00000 | 904.0 | 637.3 | 0.0 | U/P |
| 2.422 | 0.7290 | 0.0000 | 70.053 | 0.32886 | 0.00000 | 961.6 | 663.6 | 0.0 | U/P |
| 2.444 | 0.7451 | 0.0000 | 70.058 | 0.32921 | 0.00000 | 1020.6 | 689.9 | 0.0 | U/P |
| 2.467 | 0.7607 | 0.0000 | 70.064 | 0.32957 | 0.00000 | 1080.8 | 716.2 | 0.0 | U/P |
| 2.489 | 0.7759 | 0.0000 | 70.071 | 0.32995 | 0.00000 | 1142.3 | 742.6 | 0.0 | U/P |
| 2.511 | 0.7935 | 0.0000 | 70.077 | 0.33034 | 0.00000 | 1205.1 | 769.0 | 0.0 | U/P |
| 2.533 | 0.8185 | 0.0000 | 70.084 | 0.33074 | 0.00000 | 1269.5 | 795.5 | 0.0 | U/P |
| 2.556 | 0.8568 | 0.0000 | 70.091 | 0.33117 | 0.00000 | 1336.6 | 822.0 | 0.0 | U/P |
| 2.578 | 0.9084 | 0.0000 | 70.098 | 0.33163 | 0.00000 | 1407.2 | 848.5 | 0.0 | U/P |
| 2.600 | 0.9667 | 0.0000 | 70.107 | 0.33213 | 0.00000 | 1482.2 | 875.0 | 0.0 | U/P |
| 2.622 | 1.0248 | 0.0000 | 70.116 | 0.33268 | 0.00000 | 1561.8 | 901.6 | 0.0 | U/P |
| 2.644 | 1.0784 | 0.0000 | 70.126 | 0.33328 | 0.00000 | 1646.0 | 928.3 | 0.0 | U/P |
| 2.667 | 1.1238 | 0.0000 | 70.137 | 0.33392 | 0.00000 | 1734.0 | 954.9 | 0.0 | U/P |
| 2.689 | 1.1615 | 0.0000 | 70.148 | 0.33460 | 0.00000 | 1825.5 | 981.7 | 0.0 | U/P |
| 2.711 | 1.1935 | 0.0000 | 70.159 | 0.33531 | 0.00000 | 1919.7 | 1008.5 | 0.0 | U/P |
| 2.733 | 1.2216 | 0.0000 | 70.171 | 0.33605 | 0.00000 | 2016.3 | 1035.3 | 0.0 | U/P |
| 2.756 | 1.2467 | 0.0000 | 70.184 | 0.33680 | 0.00000 | 2115.0 | 1062.2 | 0.0 | U/P |
| 2.778 | 1.2693 | 0.0000 | 70.196 | 0.33758 | 0.00000 | 2215.6 | 1089.2 | 0.0 | U/P |
| 2.800 | 1.2902 | 0.0000 | 70.209 | 0.33837 | 0.00000 | 2318.0 | 1116.3 | 0.0 | U/P |
| 2.822 | 1.3096 | 0.0000 | 70.222 | 0.33918 | 0.00000 | 2422.0 | 1143.4 | 0.0 | U/P |
| 2.844 | 1.3277 | 0.0000 | 70.236 | 0.34000 | 0.00000 | 2527.5 | 1170.5 | 0.0 | U/P |
| 2.867 | 1.3449 | 0.0000 | 70.249 | 0.34084 | 0.00000 | 2634.4 | 1197.8 | 0.0 | U/P |
| 2.889 | 1.3613 | 0.0000 | 70.263 | 0.34169 | 0.00000 | 2742.6 | 1225.1 | 0.0 | U/P |
| 2.911 | 1.3770 | 0.0000 | 70.277 | 0.34255 | 0.00000 | 2852.2 | 1252.4 | 0.0 | U/P |
| 2.933 | 1.3920 | 0.0000 | 70.291 | 0.34341 | 0.00000 | 2962.9 | 1279.9 | 0.0 | U/P |
| 2.956 | 1.4064 | 0.0000 | 70.305 | 0.34429 | 0.00000 | 3074.9 | 1307.4 | 0.0 | U/P |
| 2.978 | 1.4204 | 0.0000 | 70.319 | 0.34518 | 0.00000 | 3187.9 | 1335.0 | 0.0 | U/P |
| 3.000 | 1.4339 | 0.0000 | 70.334 | 0.34608 | 0.00000 | 3302.1 | 1362.6 | 0.0 | U/P |
| 3.022 | 1.4640 | 0.0000 | 70.349 | 0.34698 | 0.00000 | 3418.0 | 1390.3 | 0.0 | U/P |
| 3.044 | 1.5300 | 0.0000 | 70.364 | 0.34792 | 0.00000 | 3537.8 | 1418.1 | 0.0 | U/P |
| 3.067 | 1.6564 | 0.0000 | 70.380 | 0.34891 | 0.00000 | 3665.2 | 1446.0 | 0.0 | U/P |
| 3.089 | 1.8308 | 0.0000 | 70.399 | 0.34999 | 0.00000 | 3804.7 | 1473.9 | 0.0 | U/P |
| 3.111 | 2.0196 | 0.0000 | 70.420 | 0.35121 | 0.00000 | 3958.8 | 1502.0 | 0.0 | U/P |
| 3.133 | 2.1990 | 0.0000 | 70.443 | 0.35258 | 0.00000 | 4127.5 | 1530.1 | 0.0 | U/P |
| 3.156 | 2.3548 | 0.0000 | 70.468 | 0.35408 | 0.00000 | 4309.6 | 1558.4 | 0.0 | U/P |
| 3.178 | 2.4747 | 0.0000 | 70.495 | 0.35569 | 0.00000 | 4502.8 | 1586.8 | 0.0 | U/P |
| 3.200 | 2.5661 | 0.0000 | 70.523 | 0.35740 | 0.00000 | 4704.5 | 1615.3 | 0.0 | U/P |
| 3.222 | 2.6390 | 0.0000 | 70.552 | 0.35917 | 0.00000 | 4912.7 | 1644.0 | 0.0 | U/P |
| 3.244 | 2.6992 | 0.0000 | 70.581 | 0.36099 | 0.00000 | 5126.2 | 1672.8 | 0.0 | U/P |
| 3.267 | 2.7487 | 0.0000 | 70.611 | 0.36285 | 0.00000 | 5344.1 | 1701.7 | 0.0 | U/P |

PONDS Version 3.2.0207

# Retention Pond Recovery - Refined Method Copyright 2003 

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 1 - 100 Year/24 Hour Routing

| Elapsed Time (hours) | Enflow Rate ( $\mathrm{H}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (fl datum) | Infiltration Rate ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{H}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume (f13) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 3.289 | 2.7908 | 0.0000 | 70.642 | 0.36474 | 0.00000 | 5565.7 | 1730.8 | 0.0 | U/P |
| 3.311 | 2.8272 | 0.0000 | 70.673 | 0.36665 | 0.00000 | 5790.4 | 1760.1 | 0.0 | U/P |
| 3.333 | 2.8590 | 0.0000 | 70.704 | 0.36857 | 0.00000 | 6017.9 | 1789.5 | 0.0 | U/P |
| 3.356 | 2.8876 | 0.0000 | 70.735 | 0.37051 | 0.00000 | 6247.7 | 1819.1 | 0.0 | U/P |
| 3.378 | 2.9135 | 0.0000 | 70.767 | 0.37246 | 0.00000 | 6479.8 | 1848.8 | 0.0 | U/P |
| 3.400 | 2.9372 | 0.0000 | 70.798 | 0.37442 | 0.00000 | 6713.8 | 1878.7 | 0.0 | U/P |
| 3.422 | 2.9593 | 0.0000 | 70.830 | 0.37639 | 0.00000 | 6949.7 | 1908.7 | 0.0 | U/P |
| 3.444 | 2.9799 | 0.0000 | 70.862 | 0.37836 | 0.00000 | 7187.2 | 1938.9 | 0.0 | U/P |
| 3.467 | 2.9994 | 0.0000 | 70.893 | 0.38034 | 0.00000 | 7426.4 | 1969.2 | 0.0 | U/P |
| 3.489 | 3.0178 | 0.0000 | 70.925 | 0.38231 | 0.00000 | 7667.1 | 1999.7 | 0.0 | U/P |
| 3.511 | 3.0374 | 0.0000 | 70.957 | 0.38429 | 0.00000 | 7909.3 | 2030.4 | 0.0 | U/P |
| 3.533 | 3.0651 | 0.0000 | 70.989 | 0.38628 | 0.00000 | 8153.4 | 2061.2 | 0.0 | U/P |
| 3.556 | 3.1091 | 0.0000 | 71.021 | 0.38827 | 0.00000 | 8400.4 | 2092.2 | 0.0 | U/P |
| 3.578 | 3.1745 | 0.0000 | 71.054 | 0.39029 | 0.00000 | 8651.7 | 2123.3 | 0.0 | U/P |
| 3.600 | 3.2537 | 0.0000 | 71.087 | 0.39234 | 0.00000 | 8908.8 | 2154.6 | 0.0 | U/P |
| 3.622 | 3.3346 | 0.0000 | 71.121 | 0.39444 | 0.00000 | 9172.4 | 2186.1 | 0.0 | U/P |
| 3.644 | 3.4091 | 0.0000 | 71.156 | 0.39658 | 0.00000 | 9442.1 | 2217.8 | 0.0 | U/P |
| 3.667 | 3.4719 | 0.0000 | 71.191 | 0.39876 | 0.00000 | 9717.3 | 2249.6 | 0.0 | U/P |
| 3.689 | 3.5208 | 0.0000 | 71.227 | 0.40097 | 0.00000 | 9997.1 | 2281.6 | 0.0 | U/P |
| 3.711 | 3.5594 | 0.0000 | 71.263 | 0.40320 | 0.00000 | 10280.3 | 2313.7 | 0.0 | U/P |
| 3.733 | 3.5910 | 0.0000 | 71.299 | 0.40545 | 0.00000 | 10566.3 | 2346.1 | 0.0 | U/P |
| 3.756 | 3.6176 | 0.0000 | 71.335 | 0.40770 | 0.00000 | 10854.6 | 2378.6 | 0.0 | U/P |
| 3.778 | 3.6402 | 0.0000 | 71.372 | 0.40996 | 0.00000 | 11144.9 | 2411.3 | 0.0 | U/P |
| 3.800 | 3.6599 | 0.0000 | 71.408 | 0.41223 | 0.00000 | 11436.9 | 2444.2 | 0.0 | U/P |
| 3.822 | 3.6773 | 0.0000 | 71.445 | 0.41449 | 0.00000 | \$1730.4 | 2477.3 | 0.0 | U/P |
| 3.844 | 3.6930 | 0.0000 | 71.481 | 0.41675 | 0.00000 | 12025.2 | 2510.5 | 0.0 | U/P |
| 3.867 | 3.7074 | 0.0000 | 71.517 | 0.41901 | 0.00000 | 12321.3 | 2543.9 | 0.0 | U/P |
| 3.889 | 3.7206 | 0.0000 | 71.553 | 0.42126 | 0.00000 | 12618.4 | 2577.6 | 0.0 | U/P |
| 3.911 | 3.7331 | 0.0000 | 71.589 | 0.42351 | 0.00000 | \{2916.5 | 2611.3 | 0.0 | U/P |
| 3.933 | 3.7447 | 0.0000 | 71.626 | 0.42576 | 0.00000 | 13215.6 | 2645.3 | 0.0 | U/P |
| 3.956 | 3.7558 | 0.0000 | 71.661 | 0.42800 | 0.00000 | \$3515.7 | 2679.5 | 0.0 | U/P |
| 3.978 | 3.7664 | 0.0000 | 71.697 | 0.43023 | 0.00000 | 13816.5 | 2713.8 | 0.0 | U/P |
| 4.000 | 3.7765 | 0.0000 | 71.733 | 0.43246 | 0.00000 | 14118.3 | 2748.3 | 0.0 | U/P |
| 4.022 | 3.8000 | 0.0000 | 71.769 | 0.43468 | 0.00000 | 14421.3 | 2783.0 | 0.0 | U/P |
| 4.044 | 3.8598 | 0.0000 | 71.805 | 0.43691 | 0.00000 | 14727.7 | 2817.8 | 0.0 | U/P |
| 4.067 | 3.9842 | 0.0000 | 71.842 | 0.43917 | 0.00000 | 15041.5 | 2852.9 | 0.0 | U/P |
| 4.089 | 4.1734 | 0.0000 | 71.880 | 0.44150 | 0.00000 | 15367.8 | 2888.1 | 0.0 | U/P |
| 4.111 | 4.3937 | 0.0000 | 71.920 | 0.44393 | 0.00000 | 15710.5 | 2923.5 | 0.0 | U/P |
| 4.133 | 4.6105 | 0.0000 | 71.962 | 0.44649 | 0.00000 | 16070.6 | 2959.1 | 0.0 | U/P |
| 4.156 | 4.8016 | 0.0000 | 72.006 | 0.44921 | 0.00000 | 16447.1 | 2995.0 | 0.0 | U/P |
| 4.178 | 4.9511 | 0.0000 | 72.051 | 0.45245 | 0.00000 | 16837.2 | 3031.0 | 0.0 | U/P |
| 4.200 | 5.0602 | 0.0000 | 72.097 | 0.45612 | 0.00000 | 17237.7 | 3067.4 | 0.0 | U/P |
| 4.222 | 5.1408 | 0.0000 | 72.144 | 0.45985 | 0.00000 | 17645.7 | 3104.0 | 0.0 | U/P |
| 4.244 | 5.2027 | 0.0000 | 72.191 | 0.46362 | 0.00000 | 18059.4 | 3140.9 | 0.0 | U/P |
| 4.267 | 5.2504 | 0.0000 | 72.238 | 0.46740 | 0.00000 | 18477.6 | 3178.2 | 0.0 | U/P |
| 4.289 | 5.2876 | 0.0000 | 72.285 | 0.47119 | 0.00000 | 18899.1 | 3215.7 | 0.0 | U/P |
| 4.311 | 5.3173 | 0.0000 | 72.332 | 0.47498 | 0.00000 | 19323.3 | 3253.6 | 0.0 | U/P |
| 4.333 | 5.3413 | 0.0000 | 72.379 | 0.47875 | 0.00000 | 19749.6 | 3291.7 | 0.0 | U/P |
| 4.356 | 5.3612 | 0.0000 | 72.426 | 0.48251 | 0.00000 | 20177.7 | 3330.2 | 0.0 | U/P |
| 4.378 | 5.3781 | 0.0000 | 72.472 | 0.48626 | 0.00000 | 20607.3 | 3368.9 | 0.0 | U/P |
| 4.400 | 5.3927 | 0.0000 | 72.519 | 0.48998 | 0.00000 | 21038.1 | 3408.0 | 0.0 | U/P |
| 4.422 | 5.4055 | 0.0000 | 72.565 | 0.49368 | 0.00000 | 21470.1 | 3447.3 | 0.0 | U/P |
| 4.444 | 5.4170 | 0.0000 | 72.611 | 0.49738 | 0.00000 | 21903.0 | 3487.0 | 0.0 | U/P |
| 4.467 | 5.4275 | 0.0000 | 72.656 | 0.50104 | 0.00000 | 22336.7 | 3526.9 | 0.0 | U/P |
| 4.489 | 5.4373 | 0.0000 | 72.701 | 0.50468 | 0.00000 | 22771.3 | 3567.1 | 0.0 | U/P |
| 4.511 | 5.4463 | 0.0000 | 72.746 | 0.50831 | 0.00000 | 23206.7 | 3607.6 | 0.0 | U/P |
| 4.533 | 5.4585 | 0.0000 | 72.791 | 0.51191 | 0.00000 | 23642.9 | 3648.5 | 0.0 | U/P |
| 4.556 | 5.4785 | 0.0000 | 72.835 | 0.51549 | 0.00000 | 24080.3 | 3689.6 | 0.0 | U/P |
| 4.578 | 5.5124 | 0.0000 | 72.880 | 0.51906 | 0.00000 | 24520.0 | 3730.9 | 0.0 | U/P |
| 4.600 | 5.5574 | 0.0000 | 72.924 | 0.52263 | 0.00000 | 24962.8 | 3772.6 | 0.0 | U/P |
| 4.622 | 5.6054 | 0.0000 | 72.969 | 0.52620 | 0.00000 | 25409.3 | 3814.6 | 0.0 | U/P |
| 4.644 | 5.6506 | 0.0000 | 73.013 | 0.52977 | 0.00000 | 25859.5 | 3856.8 | 0.0 | U/P |
| 4.667 | 5.6897 | 0.0000 | 73.058 | 0.53335 | 0.00000 | 26313.1 | 3899.3 | 0.0 | U/P |
| 4.689 | 5.7196 | 0.0000 | 73.102 | 0.53694 | 0.00000 | 26769.5 | 3942.1 | 0.0 | U/P |
| 4.711 | 5.7423 | 0.0000 | 73.147 | 0.54051 | 0.00000 | 27228.0 | 3985.2 | 0.0 | U/P |
| 4.733 | 5.7602 | 0.0000 | 73.191 | 0.54408 | 0.00000 | 27688.1 | 4028.6 | 0.0 | U/P |
| 4.756 | 5.7749 | 0.0000 | 73.235 | 0.54763 | 0.00000 | 28149.5 | 4072.3 | 0.0 | U/P |
| 4.778 | 5.7869 | 0.0000 | 73.279 | 0.55117 | 0.00000 | 28612.0 | 4116.2 | 0.0 | U/P |
| 4.800 | 5.7970 | 0.0000 | 73.323 | 0.55469 | 0.00000 | 29075.3 | 4160.5 | 0.0 | U/P |
| 4.822 | 5.8057 | 0.0000 | 73.367 | 0.55819 | 0.00000 | 29539.4 | 4205.0 | 0.0 | U/P |
| 4.844 | 5.8134 | 0.0000 | 73.410 | 0.56168 | 0.00000 | 30004.2 | 4249.8 | 0.0 | U/P |
| 4.867 | 5.8202 | 0.0000 | 73.453 | 0.56514 | 0.00000 | 30469.5 | 4294.9 | 0.0 | U/P |
| 4.889 | 5.8265 | 0.0000 | 73.496 | 0.56859 | 0.00000 | 30935.4 | 4340.2 | 0.0 | U/P |
| 4.911 | 5.8322 | 0.0000 | 73.538 | 0.57202 | 0.00000 | 31401.8 | 4385.8 | 0.0 | U/P |

PONDS Version 3.2.0207

# Retention Pond Recovery - Refined Method Copyright 2003 

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 1 -100 Year/24 Hour Routing

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (fi/day) | Stage Elevation (ft datum) | Infiltration Rate $\left(\mathrm{ft}^{3} / \mathrm{s}\right)$ | Ovenlow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4.933 | 5.8376 | 0.0000 | 73.581 | 0.57543 | 0.00000 | 31868.5 | 4431.7 | 0.0 | U/P |
| 4.956 | 5.8427 | 0.0000 | 73.623 | 0.57882 | 0.00000 | 32335.8 | 4477.9 | 0.0 | U/P |
| 4.978 | 5.8475 | 0.0000 | 73.665 | 0.58219 | 0.00000 | 32803.4 | 4524.3 | 0.0 | U/P |
| 5.000 | 5.8533 | 0.0000 | 73.706 | 0.58555 | 0.00000 | 33271.4 | 4571.0 | 0.0 | U/P |
| 5.022 | 5.8637 | 0.0000 | 73.748 | 0.58888 | 0.00000 | 33740.1 | 4618.0 | 0.0 | U/P |
| 5.044 | 5.8829 | 0.0000 | 73.789 | 0.59221 | 0.00000 | 34209.9 | 4665.3 | 0.0 | U/P |
| 5.067 | 5.9129 | 0.0000 | 73.830 | 0.59552 | 0.00000 | 34681.8 | 4712.8 | 0.0 | U/P |
| 5.089 | 5.9497 | 0.0000 | 73.871 | 0.59883 | 0.00000 | 35156.3 | 4760.5 | 0.0 | U/P |
| 5.111 | 5.9870 | 0.0000 | 73.913 | 0.60215 | 0.00000 | 35633.7 | 4808.6 | 0.0 | U/P |
| 5.133 | 6.0209 | 0.0000 | 73.954 | 0.60546 | 0.00000 | 36114.1 | 4856.9 | 0.0 | U/P |
| 5.156 | 6.0487 | 0.0000 | 73.995 | 0.60878 | 0.00000 | 36596.8 | 4905.5 | 0.0 | U/P |
| 5.178 | 6.0695 | 0.0000 | 74.036 | 0.61206 | 0.00000 | 37081.6 | 4954.3 | 0.0 | U/P |
| 5.200 | 6.0851 | 0.0000 | 74.078 | 0.61529 | 0.00000 | 37567.8 | 5003.4 | 0.0 | U/P |
| 5.222 | 6.0973 | 0.0000 | 74.119 | 0.61851 | 0.00000 | 38055.1 | 5052.7 | 0.0 | U/P |
| 5.244 | 6.1071 | 0.0000 | 74.159 | 0.62172 | 0.00000 | 38543.2 | 5102.4 | 0.0 | U/P |
| 5.267 | 6.1150 | 0.0000 | 74.200 | 0.62492 | 0.00000 | 39032.1 | 5152.2 | 0.0 | U/P |
| 5.289 | 6.1216 | 0.0000 | 74.240 | 0.62810 | 0.00000 | 39521.6 | 5202.3 | 0.0 | U/P |
| 5.311 | 6.1271 | 0.0000 | 74.281 | 0.63127 | 0.00000 | 40011.5 | 5252.7 | 0.0 | U/P |
| 5.333 | 6.1319 | 0.0000 | 74.321 | 0.63443 | 0.00000 | 40501.9 | 5303.3 | 0.0 | U/P |
| 5.356 | 6.1362 | 0.0000 | 74.361 | 0.63757 | 0.00000 | 40992.6 | 5354.2 | 0.0 | U/P |
| 5.378 | 6.1400 | 0.0000 | 74.401 | 0.64069 | 0.00000 | 41483.7 | 5405.4 | 0.0 | U/P |
| 5.400 | 6.1435 | 0.0000 | 74.440 | 0.64380 | 0.00000 | 41975.0 | 5456.7 | 0.0 | U/P |
| 5.422 | 6.1468 | 0.0000 | 74.479 | 0.64690 | 0.00000 | 42466.6 | 5508.4 | 0.0 | U/P |
| 5.444 | 6.1498 | 0.0000 | 74.519 | 0.64998 | 0.00000 | 42958.5 | 5560.2 | 0.0 | U/P |
| 5.467 | 6.1528 | 0.0000 | 74.558 | 0.65305 | 0.00000 | 43450.6 | 5612.4 | 0.0 | U/P |
| 5.489 | 6.1555 | 0.0000 | 74.596 | 0.65610 | 0.00000 | 43942.9 | 5664.7 | 0.0 | U/P |
| 5.511 | 6.1582 | 0.0000 | 74.635 | 0.65914 | 0.00000 | 44435.5 | 5717.3 | 0.0 | U/P |
| 5.533 | 6.1607 | 0.0000 | 74.673 | 0.66216 | 0.00000 | 44928.2 | 5770.2 | 0.0 | U/P |
| 5.556 | 6.1631 | 0.0000 | 74.712 | 0.66517 | 0.00000 | 45421.2 | 5823.3 | 0.0 | U/P |
| 5.578 | 6.1654 | 0.0000 | 74.750 | 0.66817 | 0.00000 | 45914.3 | 5876.6 | 0.0 | U/P |
| 5.600 | 6.1677 | 0.0000 | 74.788 | 0.67115 | 0.00000 | 46407.6 | 5930.2 | 0.0 | U/P |
| 5.622 | 6.1699 | 0.0000 | 74.825 | 0.67412 | 0.00000 | 46901.1 | 5984.0 | 0.0 | U/P |
| 5.644 | 6.1720 | 0.0000 | 74.863 | 0.67707 | 0.00000 | 47394.8 | 6038.0 | 0.0 | U/P |
| 5.667 | 6.1741 | 0.0000 | 74.900 | 0.68002 | 0.00000 | 47888.7 | 6092.3 | 0.0 | U/P |
| 5.689 | 6.1762 | 0.0000 | 74.938 | 0.68295 | 0.00000 | 48382.7 | 6146.9 | 0.0 | U/P |
| 5.711 | 6.1783 | 0.0000 | 74.975 | 0.68586 | 0.00000 | 48876.8 | 6201.6 | 0.0 | U/P |
| 5.733 | 6.1803 | 0.0000 | 75.012 | 0.68876 | 0.00000 | 49371.2 | 6256.6 | 0.0 | U/P |
| 5.756 | 6.1822 | 0.0000 | 75.048 | 0.69166 | 0.00000 | 49865.7 | 6311.8 | 0.0 | U/P |
| 5.778 | 6.1841 | 0.0000 | 75.085 | 0.69453 | 0.00000 | 50360.3 | 6367.3 | 0.0 | U/P |
| 5.800 | 6.1860 | 0.0000 | 75.122 | 0.69740 | 0.00000 | 50855.1 | 6422.9 | 0.0 | U/P |
| 5.822 | 6.1878 | 0.0000 | 75.158 | 0.70025 | 0.00000 | 51350.1 | 6478.8 | 0.0 | U/P |
| 5.844 | 6.1896 | 0.0000 | 75.194 | 0.70309 | 0.00000 | 51845.2 | 6535.0 | 0.0 | U/P |
| 5.867 | 6.1913 | 0.0000 | 75.230 | 0.70592 | 0.00000 | 52340.4 | 6591.3 | 0.0 | U/P |
| 5.889 | 6.1931 | 0.0000 | 75.266 | 0.70874 | 0.00000 | 52835.8 | 6647.9 | 0.0 | U/P |
| 5.911 | 6.1947 | 0.0000 | 75.301 | 0.71155 | 0.00000 | 53331.3 | 6704.7 | 0.0 | U/P |
| 5.933 | 6.1964 | 0.0000 | 75.337 | 0.71434 | 0.00000 | 53827.0 | 6761.8 | 0.0 | U/P |
| 5.956 | 6.1980 | 0.0000 | 75.372 | 0.71712 | 0.00000 | 54322.7 | 6819.0 | 0.0 | U/P |
| 5.978 | 6.1996 | 0.0000 | 75.408 | 0.71989 | 0.00000 | 54818.6 | 6876.5 | 0.0 | U/P |
| 6.000 | 6.2011 | 0.0000 | 75.443 | 0.72265 | 0.00000 | 55314.7 | 6934.2 | 0.0 | U/P |
| 6.022 | 6.3035 | 0.0000 | 75.478 | 0.72542 | 0.00000 | 55814.9 | 6992.1 | 0.0 | U/P |
| 6.044 | 6.6179 | 0.0000 | 75.514 | 0.72823 | 0.00000 | 56331.7 | 7050.3 | 0.0 | U/P |
| 6.067 | 7.2855 | 0.0000 | 75.554 | 0.73121 | 0.00000 | 56887.8 | 7108.6 | 0.0 | U/P |
| 6.089 | 8.2260 | 0.0000 | 75.598 | 0.73449 | 0.00000 | 57508.3 | 7167.3 | 0.0 | U/P |
| 6.111 | 9.2376 | 0.0000 | 75.648 | 0.73819 | 0.00000 | 58206.8 | 7226.2 | 0.0 | U/P |
| 6.133 | 10.1792 | 0.0000 | 75.704 | 0.74235 | 0.00000 | 58983.5 | 7285.4 | 0.0 | U/P |
| 6.156 | 10.9699 | 0.0000 | 75.765 | 0.74694 | 0.00000 | 59829.5 | 7344.9 | 0.0 | U/P |
| 6.178 | 11.5390 | 0.0000 | 75.830 | 0.75187 | 0.00000 | 60729.8 | 7404.9 | 0.0 | U/P |
| 6.200 | 11.9368 | 0.0000 | 75.897 | 0.75704 | 0.00000 | 61668.9 | 7465.2 | 0.0 | U/P |
| 6.222 | 12.2237 | 0.0000 | 75.966 | 0.76237 | 0.00000 | 62635.3 | 7526.0 | 0.0 | U/P |
| 6.244 | 12.4370 | 0.0000 | 76.035 | 0.76793 | 0.00000 | 63621.7 | 7587.2 | 0.0 | U/P |
| 6.267 | 12.5896 | 0.0000 | 76.106 | 0.77380 | 0.00000 | 64622.8 | 7648.9 | 0.0 | U/P |
| 6.289 | 12.7019 | 0.0000 | 76.176 | 0.77981 | 0.00000 | 65634.5 | 7711.0 | 0.0 | U/P |
| 6.311 | 12.7838 | 0.0000 | 76.247 | 0.78584 | 0.00000 | 66653.9 | 7773.7 | 0.0 | U/P |
| 6.333 | 12.8434 | 0.0000 | 76.317 | 0.79185 | 0.00000 | 67679.0 | 7836.8 | 0.0 | U/P |
| 6.356 | 12.8877 | 0.0000 | 76.387 | 0.79785 | 0.00000 | 68708.2 | 7900.4 | 0.0 | U/P |
| 6.378 | 12.9209 | 0.0000 | 76.457 | 0.80383 | 0.00000 | 69740.6 | 7964.4 | 0.0 | U/P |
| 6.400 | 12.9458 | 0.0000 | 76.526 | 0.80977 | 0.00000 | 70775.2 | 8029.0 | 0.0 | U/P |
| 6.422 | 12.9646 | 0.0000 | 76.595 | 0.81568 | 0.00000 | 71811.7 | 8094.0 | 0.0 | U/P |
| 6.444 | 12.9792 | 0.0000 | 76.663 | 0.82156 | 0.00000 | 72849.4 | 8159.5 | 0.0 | U/P |
| 6.467 | 12.9913 | 0.0000 | 76.731 | 0.82740 | 0.00000 | 73888.2 | 8225.4 | 0.0 | U/P |
| 6.489 | 13.0009 | 0.0000 | 76.799 | 0.83319 | 0.00000 | 74927.9 | 8291.9 | 0.0 | U/P |
| 6.511 | 13.0156 | 0.0000 | 76.866 | 0.83896 | 0.00000 | 75968.6 | 8358.7 | 0.0 | U/P |
| 6.533 | 13.0599 | 0.0000 | 76.933 | 0.84469 | 0.00000 | 77011.6 | 8426.1 | 0.0 | U/P |
| 6.556 | 13.1618 | 0.0000 | 77.000 | 0.85040 | 0.00000 | 78060.5 | 8493.9 | 0.0 | U/P |

PONDS Version 3.2.0207

# Retention Pond Recovery - Refined Method Copyright 2003 

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 1 - 100 Year / 24 Hour Routing

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (t/day) | Stage Elevation (fl datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / 5}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 6.578 | 13.3397 | 0.0000 | 77.067 | 0.85612 | 0.00000 | 79120.5 | 8562.2 | 0.0 | U/P |
| 6.600 | 13.5659 | 0.0000 | 77.134 | 0.86188 | 0.00000 | 80196.7 | 8630.9 | 0.0 | U/P |
| 6.622 | 13.7980 | 0.0000 | 77.203 | 0.86769 | 0.00000 | 81291.3 | 8700.1 | 0.0 | U/P |
| 6.644 | 14.0076 | 0.0000 | 77.272 | 0.87357 | 0.00000 | 82403.5 | 8769.7 | 0.0 | U/P |
| 6.667 | 14.1769 | 0.0000 | 77.341 | 0.87949 | 0.00000 | 83530.9 | 8839.8 | 0.0 | U/P |
| 6.689 | 14.2983 | 0.0000 | 77.411 | 0.88545 | 0.00000 | 84669.9 | 8910.4 | 0.0 | U/P |
| 6.711 | 14.3843 | 0.0000 | 77.481 | 0.89143 | 0.00000 | 85817.2 | 8981.5 | 0.0 | U/P |
| 6.733 | 14.4472 | 0.0000 | 77.551 | 0.89740 | 0.00000 | 86970.5 | 9053.1 | 0.0 | U/P |
| 6.756 | 14.4939 | 0.0000 | 77.620 | 0.90335 | 0.00000 | 88128.1 | 9125.1 | 0.0 | U/P |
| 6.778 | 14.5280 | 0.0000 | 77.690 | 0.90929 | 0.00000 | 89289.0 | 9197.6 | 0.0 | U/P |
| 6.800 | 14.5534 | 0.0000 | 77.759 | 0.91519 | 0.00000 | 90452.2 | 9270.6 | 0.0 | U/P |
| 6.822 | 14.5723 | 0.0000 | 77.827 | 0.92107 | 0.00000 | 91617.3 | 9344.0 | 0.0 | U/P |
| 6.844 | 14.5865 | 0.0000 | 77.895 | 0.92692 | 0.00000 | 92783.6 | 9417.9 | 0.0 | U/P |
| 6.867 | 14.5974 | 0.0000 | 77.963 | 0.93274 | 0.00000 | 93951.0 | 9492.3 | 0.0 | U/P |
| 6.889 | 14.6059 | 0.0000 | 78.031 | 0.93859 | 0.00000 | 95119.1 | 9567.2 | 0.0 | U/P |
| 6.911 | \$4.6126 | 0.0000 | 78.098 | 0.94455 | 0.00000 | 96287.9 | 9642.5 | 0.0 | U/P |
| 6.933 | 14.6179 | 0.0000 | 78.164 | 0.95056 | 0.00000 | 97457.1 | 9718.3 | 0.0 | U/P |
| 6.956 | 14.6224 | 0.0000 | 78.230 | 0.95653 | 0.00000 | 98626.7 | 9794.6 | 0.0 | U/P |
| 6.978 | 14.6263 | 0.0000 | 78.296 | 0.96247 | 0.00000 | 99796.6 | 9871.3 | 0.0 | U/P |
| 7.000 | 14.6295 | 0.0000 | 78.361 | 0.96836 | 0.00000 | 100966.9 | 9948.6 | 0.0 | U/P |
| 7.022 | 14.6724 | 0.0000 | 78.426 | 0.97423 | 0.00000 | 102138.9 | 10026.3 | 0.0 | U/P |
| 7.044 | 14.8216 | 0.0000 | 78.492 | 0.98008 | 0.00000 | 103318.7 | 10104.5 | 0.0 | U/P |
| 7.067 | 15.1584 | 0.0000 | 78.557 | 0.98596 | 0.00000 | 104517.9 | 10183.1 | 0.0 | U/P |
| 7.089 | 15.6827 | 0.0000 | 78.625 | 0.99195 | 0.00000 | 105751.5 | 10262.2 | 0.0 | U/P |
| 7.111 | 16.2962 | 0.0000 | 78.694 | 0.99811 | 0.00000 | 107030.7 | 10341.8 | 0.0 | U/P |
| 7.133 | 16.8974 | 0.0000 | 78.766 | 1.00448 | 0.00000 | 108358.4 | 10421.9 | 0.0 | U/P |
| 7.156 | 17.4227 | 0.0000 | 78.840 | 1.01104 | 0.00000 | 109731.2 | 10502.5 | 0.0 | U/P |
| 7.178 | 17.8259 | 0.0000 | 78.916 | 1.01777 | 0.00000 | 111141.2 | 10583.7 | 0.0 | U/P |
| 7.200 | 18.1111 | 0.0000 | 78.992 | 1.02461 | 0.00000 | 112578.7 | 10665.4 | 0.0 | U/P |
| 7.222 | 18.3138 | 0.0000 | 79.069 | 1.03153 | 0.00000 | 114035.7 | 10747.6 | 0.0 | U/P |
| 7.244 | 18.4623 | 0.0000 | 79.147 | 1.03848 | 0.00000 | 115506.7 | 10830.4 | 0.0 | U/P |
| 7.267 | 18.5702 | 0.0000 | 79.224 | 1.04544 | 0.00000 | 116988.0 | 10913.8 | 0.0 | U/P |
| 7.289 | 18.6485 | 0.0000 | 79.301 | 1.05240 | 0.00000 | 118476.8 | 10997.7 | 0.0 | U/P |
| 7.311 | 18.7056 | 0.0000 | 79.378 | 1.05934 | 0.00000 | 119970.9 | 11082.2 | 0.0 | U/P |
| 7.333 | $\uparrow 8.7470$ | 0.0000 | 79.455 | 1.06626 | 0.00000 | 121469.0 | 11167.2 | 0.0 | U/P |
| 7.356 | 18.7775 | 0.0000 | 79.531 | 1.07314 | 0.00000 | 122970.0 | 11252.8 | 0.0 | U/P |
| 7.378 | 18.8000 | 0.0000 | 79.607 | 1.07999 | 0.00000 | 124473.1 | \$1338.9 | 0.0 | U/P |
| 7.400 | 18.8168 | 0.0000 | 79.683 | 1.08680 | 0.00000 | 125977.8 | 11425.6 | 0.0 | U/P |
| 7.422 | 18.8293 | 0.0000 | 79.758 | 1.09358 | 0.00000 | 127483.6 | 11512.8 | 0.0 | U/P |
| 7.444 | 18.8389 | 0.0000 | 79.832 | 1.10032 | 0.00000 | 128990.4 | 11600.5 | 0.0 | U/P |
| 7.467 | 18.8465 | 0.0000 | 79.907 | 1.10701 | 0.00000 | 130497.8 | 11688.8 | 0.0 | U/P |
| 7.489 | 18.8525 | 0.0000 | 79.980 | 1.11367 | 0.00000 | 132005.7 | 11777.7 | 0.0 | U/P |
| 7.511 | 18.8571 | 0.0000 | 80.054 | 1.12058 | 0.00000 | 133514.1 | 11867.0 | 0.0 | U/P |
| 7.533 | 18.9333 | 0.0000 | 80.127 | 1.12786 | 0.00000 | 135025.7 | 11956.9 | 0.0 | U/P |
| 7.556 | 19.1646 | 0.0000 | 80.200 | 1.13524 | 0.00000 | 136549.6 | 12047.5 | 0.0 | U/P |
| 7.578 | 19.6572 | 0.0000 | 80.274 | 1.14267 | 0.00000 | 138102.5 | 12138.6 | 0.0 | U/P |
| 7.600 | 20.3575 | 0.0000 | 80.350 | 1.15024 | 0.00000 | 139703.1 | 12230.3 | 0.0 | U/P |
| 7.622 | 21.1172 | 0.0000 | 80.428 | 1.15803 | 0.00000 | 141362.1 | 12322.6 | 0.0 | U/P |
| 7.644 | 21.8281 | 0.0000 | 80.509 | 1.16606 | 0.00000 | 143079.9 | 12415.6 | 0.0 | U/P |
| 7.667 | 22.4273 | 0.0000 | 80.591 | 1.17431 | 0.00000 | 144850.1 | 12509.2 | 0.0 | U/P |
| 7.689 | 22.8615 | 0.0000 | 80.675 | 1.18273 | 0.00000 | 146661.7 | 12603.5 | 0.0 | U/P |
| 7.711 | 23.1649 | 0.0000 | 80.760 | 1.19126 | 0.00000 | 148502.7 | 12698.4 | 0.0 | U/P |
| 7.733 | 23.3828 | 0.0000 | 80.845 | 1.19985 | 0.00000 | 150364.6 | 12794.1 | 0.0 | U/P |
| 7.756 | 23.5441 | 0.0000 | 80.931 | 1.20846 | 0.00000 | 152241.7 | 12890.4 | 0.0 | U/P |
| 7.778 | 23.6594 | 0.0000 | 81.016 | 1.21707 | 0.00000 | 154129.8 | 12987.4 | 0.0 | U/P |
| 7.800 | 23.7436 | 0.0000 | 81.101 | 1.22566 | 0.00000 | 156026.0 | 13085.1 | 0.0 | U/P |
| 7.822 | 23.8046 | 0.0000 | 81.185 | 1.23423 | 0.00000 | 157927.9 | 13183.5 | 0.0 | U/P |
| 7.844 | 23.8486 | 0.0000 | 81.269 | 1.24275 | 0.00000 | 159834.0 | 13282.6 | 0.0 | U/P |
| 7.867 | 23.8810 | 0.0000 | 81.353 | 1.25123 | 0.00000 | 161743.2 | 13382.4 | 0.0 | U/P |
| 7.889 | 23.9049 | 0.0000 | 81.436 | 1.25966 | 0.00000 | 163654.6 | 13482.8 | 0.0 | U/P |
| 7.911 | 23.9225 | 0.0000 | 81.519 | 1.26804 | 0.00000 | 165567.7 | 13583.9 | 0.0 | U/P |
| 7.933 | 23.9354 | 0.0000 | 81.601 | 1.27637 | 0.00000 | 167482.0 | 13685.7 | 0.0 | U/P |
| 7.956 | 23.9453 | 0.0000 | 81.683 | 1.28465 | 0.00000 | 169397.3 | 13788.1 | 0.0 | U/P |
| 7.978 | 23.9532 | 0.0000 | 81.764 | 1.29287 | 0.00000 | 171313.2 | 13891.2 | 0.0 | U/P |
| 8.000 | 23.9856 | 0.0000 | 81.845 | 1.30105 | 0.00000 | 173230.8 | 13995.0 | 0.0 | U/P |
| 8.022 | 24.1188 | 0.0000 | 81.925 | 1.30919 | 0.00000 | 175155.0 | 14099.4 | 0.0 | U/P |
| 8.044 | 24.4416 | 0.0000 | 82.006 | 1.31735 | 0.00000 | 177097.4 | 14204.5 | 0.0 | U/P |
| 8.067 | 24.9984 | 0.0000 | 82.087 | 1.32592 | 0.00000 | 179075.0 | 14310.2 | 0.0 | U/P |
| 8.089 | 25.7006 | 0.0000 | 82.171 | 1.33494 | 0.00000 | 181102.9 | 14416.6 | 0.0 | U/P |
| 8.111 | 26.4171 | 0.0000 | 82.256 | 1.34415 | 0.00000 | 183187.6 | 14523.8 | 0.0 | U/P |
| 8.133 | 27.0612 | 0.0000 | 82.343 | 1.35356 | 0.00000 | 185326.8 | 14631.7 | 0.0 | U/P |
| 8.156 | 27.5768 | 0.0000 | 82.431 | 1.36312 | 0.00000 | 187512.3 | 14740.3 | 0.0 | U/P |
| 8.178 | 27.9441 | 0.0000 | 82.520 | 1.37281 | 0.00000 | 189733.1 | 14849.8 | 0.0 | U/P |
| 8.200 | 28.2025 | 0.0000 | 82.609 | 1.38256 | 0.00000 | 191979.0 | 14960.0 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 1-100 Year / 24 Hour Routing

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (f datum) | Infiltration Rate (ft/s) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Fiow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 8.222 | 28.3900 | 0.0000 | 82.699 | 1.39234 | 0.00000 | 194242.7 | 15071.0 | 0.0 | U/P |
| 8.244 | 28.5273 | 0.0000 | 82.788 | 1.40212 | 0.00000 | 196519.4 | 15182.8 | 0.0 | U/P |
| 8.267 | 28.6258 | 0.0000 | 82.877 | 1.41188 | 0.00000 | 198805.5 | 15295.3 | 0.0 | U/P |
| 8.289 | 28.6976 | 0.0000 | 82.966 | 1.42160 | 0.00000 | 201098.4 | 15408.7 | 0.0 | U/P |
| 8.311 | 28.7494 | 0.0000 | 83.054 | 1.43128 | 0.00000 | 203396.3 | 15522.8 | 0.0 | U/P |
| 8.333 | 28.7869 | 0.0000 | 83.142 | 1.44091 | 0.00000 | 205697.8 | 15637.7 | 0.0 | U/P |
| 8.356 | 28.8145 | 0.0000 | 83.229 | 1.45048 | 0.00000 | 208001.8 | 15753.3 | 0.0 | U/P |
| 8.378 | 28.8347 | 0.0000 | 83.316 | 1.46000 | 0.00000 | 210307.8 | 15869.8 | 0.0 | U/P |
| 8.400 | 28.8496 | 0.0000 | 83.402 | 1.46946 | 0.00000 | 212615.2 | 15986.9 | 0.0 | U/P |
| 8.422 | 28.8606 | 0.0000 | 83.488 | 1.47886 | 0.00000 | 214923.6 | 16104.9 | 0.0 | U/P |
| 8.444 | 28.8690 | 0.0000 | 83.573 | 1.48821 | 0.00000 | 217232.7 | 16223.5 | 0.0 | U/P |
| 8.467 | 28.8756 | 0.0000 | 83.658 | 1.49749 | 0.00000 | 219542.5 | 16343.0 | 0.0 | U/P |
| 8.489 | 28.8805 | 0.0000 | 83.742 | 1.50672 | 0.00000 | 221852.8 | 16463.1 | 0.0 | U/P |
| 8.511 | 28.8838 | 0.0000 | 83.826 | 1.51589 | 0.00000 | 224163.3 | 16584.0 | 0.0 | U/P |
| 8.533 | 28.8856 | 0.0000 | 83.909 | 1.52500 | 0.00000 | 226474.1 | 16705.7 | 0.0 | U/P |
| 8.556 | 28.8864 | 0.0000 | 83.991 | 1.53405 | 0.00000 | 228785.0 | 16828.0 | 0.0 | U/P |
| 8.578 | 28.8872 | 0.0000 | 84.073 | 1.54324 | 0.00000 | 231095.9 | 16951.1 | 0.0 | U/P |
| 8.600 | 28.8880 | 0.0000 | 84.155 | 1.55259 | 0.00000 | 233407.0 | 17075.0 | 0.0 | U/P |
| 8.622 | 28.8887 | 0.0000 | 84.236 | 1.56190 | 0.00000 | 235718.0 | 17199.5 | 0.0 | U/P |
| 8.644 | 28.8895 | 0.0000 | 84.316 | 1.57115 | 0.00000 | 238029.1 | 17324.9 | 0.0 | U/P |
| 8.667 | 28.8902 | 0.0000 | 84.396 | 1.58035 | 0.00000 | 240340.3 | 17450.9 | 0.0 | U/P |
| 8.689 | 28.8909 | 0.0000 | 84.476 | 1.58948 | 0.00000 | 242651.6 | 17577.7 | 0.0 | U/P |
| 8.711 | 28.8916 | 0.0000 | 84.555 | 1.59857 | 0.00000 | 244962.9 | 17705.3 | 0.0 | U/P |
| 8.733 | 28.8922 | 0.0000 | 84.634 | 1.60760 | 0.00000 | 247274.2 | 17833.5 | 0.0 | U/P |
| 8.756 | 28.8929 | 0.0000 | 84.712 | 1.61657 | 0.00000 | 249585.6 | 17962.5 | 0.0 | U/P |
| 8.778 | 28.8936 | 0.0000 | 84.789 | 1.62550 | 0.00000 | 251897.1 | 18092.2 | 0.0 | U/P |
| 8.800 | 28.8942 | 0.0000 | 84.867 | 1.63437 | 0.00000 | 254208.6 | 18222.5 | 0.0 | U/P |
| 8.822 | 28.8948 | 0.0000 | 84.943 | 1.64319 | 0.00000 | 256520.2 | 18353.6 | 0.0 | U/P |
| 8.844 | 28.8954 | 0.0000 | 85.020 | 1.65196 | 0.00000 | 258831.8 | 18485.5 | 0.0 | U/P |
| 8.867 | 28.8960 | 0.0000 | 85.096 | 1.66069 | 0.00000 | 261143.4 | 18618.0 | 0.0 | U/P |
| 8.889 | 28.8966 | 0.0000 | 85.171 | 1.66936 | 0.00000 | 263455.1 | 18751.2 | 0.0 | U/P |
| 8.911 | 28.8971 | 0.0000 | 85.246 | 1.67799 | 0.00000 | 265766.9 | 18885.1 | 0.0 | U/P |
| 8.933 | 28.8977 | 0.0000 | 85.321 | 1.68657 | 0.00000 | 268078.7 | 19019.6 | 0.0 | U/P |
| 8.956 | 28.8982 | 0.0000 | 85.395 | 1.69511 | 0.00000 | 270390.5 | 19154.9 | 0.0 | U/P |
| 8.978 | 28.8987 | 0.0000 | 85.469 | 1.70360 | 0.00000 | 272702.4 | 19290.9 | 0.0 | U/P |
| 9.000 | 28.8992 | 0.0000 | 85.543 | 1.71204 | 0.00000 | 275014.3 | 19427.5 | 0.0 | U/P |
| 9.022 | 28.7697 | 0.0000 | 85.616 | 1.72043 | 0.00000 | 277321.0 | 19564.8 | 0.0 | U/P |
| 9.044 | 28.3672 | 0.0000 | 85.688 | 1.72873 | 0.00000 | 279606.5 | 19702.8 | 0.0 | U/P |
| 9.067 | 27.5097 | 0.0000 | 85.757 | 1.73685 | 0.00000 | 281841.6 | 19841.4 | 0.0 | U/P |
| 9.088 | 26.3012 | 0.0000 | 85.824 | $\uparrow .74467$ | 0.00000 | 283994.0 | 19980.7 | 0.0 | U/P |
| 9.111 | 25.0016 | 0.0000 | 85.887 | 1.75212 | 0.00000 | 286046.1 | 20120.5 | 0.0 | U/P |
| 9.133 | 23.7930 | 0.0000 | 85.947 | 1.75915 | 0.00000 | 287997.9 | 20261.0 | 0.0 | U/P |
| 9.156 | 22.7793 | 0.0000 | 86.003 | 1.76580 | 0.00000 | 289860.8 | 20402.0 | 0.0 | U/P |
| 9.178 | 22.0516 | 0.0000 | 86.057 | 1.77232 | 0.00000 | 291654.0 | 20543.5 | 0.0 | U/P |
| 9.200 | 21.5449 | 0.0000 | 86.109 | 1.77874 | 0.00000 | 293397.9 | 20685.6 | 0.0 | U/P |
| 9.222 | 21.1811 | 0.0000 | 86.160 | 1.78498 | 0.00000 | 295106.9 | 20828.1 | 0.0 | U/P |
| 9.244 | 20.9123 | 0.0000 | 86.210 | 1.79107 | 0.00000 | 296790.7 | 20971.2 | 0.0 | U/P |
| 9.267 | 20.7214 | 0.0000 | 86.259 | 1.79706 | 0.00000 | 298456.0 | 21114.7 | 0.0 | U/P |
| 9.289 | 20.5825 | 0.0000 | 86.307 | 1.80296 | 0.00000 | 300108.2 | 21258.7 | 0.0 | U/P |
| 9.311 | 20.4826 | 0.0000 | 86.355 | 1.80880 | 0.00000 | 301750.8 | 21403.2 | 0.0 | U/P |
| 9.333 | 20.4113 | 0.0000 | 86.403 | 1.81459 | 0.00000 | 303386.5 | 21548.1 | 0.0 | U/P |
| 9.356 | 20.3595 | 0.0000 | 86.450 | 1.82033 | 0.00000 | 305017.4 | 21693.5 | 0.0 | U/P |
| 9.378 | 20.3220 | 0.0000 | 86.497 | $\uparrow .82604$ | 0.00000 | 306644.6 | 21839.4 | 0.0 | U/P |
| 9.400 | 20.2949 | 0.0000 | 86.544 | 1.83172 | 0.00000 | 308269.3 | 21985.7 | 0.0 | U/P |
| 9.422 | 20.2755 | 0.0000 | 86.590 | 1.83736 | 0.00000 | 309892.1 | 22132.4 | 0.0 | U/P |
| 9.444 | 20.2614 | 0.0000 | 86.637 | 1.84299 | 0.00000 | 311513.6 | 22279.6 | 0.0 | U/P |
| 9.467 | 20.2504 | 0.0000 | 86.683 | 1.84859 | 0.00000 | 313134.1 | 22427.3 | 0.0 | U/P |
| 9.489 | 20.2425 | 0.0000 | 86.729 | 1.85416 | 0.00000 | 314753.8 | 22575.4 | 0.0 | U/P |
| 9.511 | 20.2337 | 0.0000 | 86.774 | 1.85972 | 0.00000 | 316372.8 | 22724.0 | 0.0 | U/P |
| 9.533 | 20.2115 | 0.0000 | 86.820 | 1.86526 | 0.00000 | 317990.6 | 22873.0 | 0.0 | U/P |
| 9.556 | 20.1618 | 0.0000 | 86.865 | 1.87077 | 0.00000 | 319605.6 | 23022.4 | 0.0 | U/P |
| 9.578 | 20.0737 | 0.0000 | 86.910 | 1.87624 | 0.00000 | 321215.0 | 23172.3 | 0.0 | U/P |
| 9.600 | 19.9612 | 0.0000 | 86.955 | 1.88167 | 0.00000 | 322816.4 | 23322.6 | 0.0 | U/P |
| 9.622 | 19.8458 | 0.0000 | 86.999 | 1.88706 | 0.00000 | 324408.7 | 23473.4 | 0.0 | U/P |
| 9.644 | 19.7416 | 0.0000 | 87.043 | 1.89239 | 0.00000 | 325992.2 | 23624.5 | 0.0 | U/P |
| 9.667 | 19.6579 | 0.0000 | 87.086 | 1.89768 | 0.00000 | 327568.1 | 23776.1 | 0.0 | U/P |
| 9.689 | 19.5982 | 0.0000 | 87.129 | 1.90292 | 0.00000 | 329138.4 | 23928.2 | 0.0 | U/P |
| 9.711 | 19.5564 | 0.0000 | 87.172 | 1.90814 | 0.00000 | 330704.6 | 24080.6 | 0.0 | U/P |
| 9.733 | 19.5262 | 0.0000 | 87.215 | 1.91332 | 0.00000 | 332267.8 | 24233.5 | 0.0 | U/P |
| 9.756 | 19.5041 | 0.0000 | 87.257 | 1.91848 | 0.00000 | 333829.1 | 24386.7 | 0.0 | U/P |
| 9.778 | 19.4884 | 0.0000 | 87.300 | 1.92362 | 0.00000 | 335388.8 | 24540.4 | 0.0 | U/P |
| 9.800 | 19.4770 | 0.0000 | 87.342 | 1.92874 | 0.00000 | 336947.4 | 24694.5 | 0.0 | U/P |
| 9.822 | 19.4689 | 0.0000 | 87.384 | 1.93383 | 0.00000 | 338505.2 | 24849.0 | 0.0 | U/P |
| 9.844 | 19.4630 | 0.0000 | 87.426 | 1.93892 | 0.00000 | 340062.5 | 25003.9 | 0.0 | U/P |

PONDS Version 3.2.0207

# Retention Pond Recovery - Refined Method Copyright 2003 

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 1 -100 Year/24 Hour Routing

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{fl}^{3 / \mathrm{s}}$ ) | Outside Recharge (tI/day) | Stage Elevation (ft datum) | Infiitration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overtow <br> Discharge ( $\mathrm{f}{ }^{3} / \mathrm{s}$ ) | Cumulative inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infilitration Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{tt}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 9.867 | 19.4589 | 0.0000 | 87.468 | 1.94398 | 0.00000 | 341619.4 | 25159.3 | 0.0 | U/P |
| 9.889 | 19.4558 | 0.0000 | 87.509 | 1.94903 | 0.00000 | 343175.9 | 25315.0 | 0.0 | U/P |
| 9.911 | 19.4537 | 0.0000 | 87.551 | 1.95406 | 0.00000 | 344732.3 | 25471.1 | 0.0 | U/P |
| 9.933 | 19.4522 | 0.0000 | 87.592 | 1.95908 | 0.00000 | 346288.6 | 25627.6 | 0.0 | U/P |
| 9.956 | 19.4511 | 0.0000 | 87.633 | 1.96409 | 0.00000 | 347844.7 | 25784.5 | 0.0 | U/P |
| 9.978 | 19.4503 | 0.0000 | 87.674 | 1.96908 | 0.00000 | 349400.8 | 25941.9 | 0.0 | U/P |
| 10.000 | 19.4498 | 0.0000 | 87.715 | 1.97405 | 0.00000 | 350956.8 | 26099.6 | 0.0 | U/P |
| 10.022 | 19.3587 | 0.0000 | 87.756 | 1.97901 | 0.00000 | 352509.1 | 26257.7 | 0.0 | U/P |
| 10.044 | 19.0261 | 0.0000 | 87.796 | 1.98391 | 0.00000 | 354044.5 | 26416.2 | 0.0 | U/P |
| 10.067 | 18.2687 | 0.0000 | 87.835 | 1.98870 | 0.00000 | 355536.3 | 26575.2 | 0.0 | U/P |
| 10.089 | 17.0873 | 0.0000 | 87.871 | 1.99326 | 0.00000 | 356950.5 | 26734.4 | 0.0 | U/P |
| 10.111 | 15.7045 | 0.0000 | 87.905 | 1.99749 | 0.00000 | 358262.2 | 26894.1 | 0.0 | U/P |
| 10.133 | 14.3495 | 0.0000 | 87.935 | 2.00134 | 0.00000 | 359464.3 | 27054.0 | 0.0 | U/P |
| 10.156 | 13.1664 | 0.0000 | 87.962 | 2.00481 | 0.00000 | 360565.0 | 27214.3 | 0.0 | U/P |
| 10.178 | 12.2596 | 0.0000 | 87.987 | 2.00795 | 0.00000 | 361582.0 | 27374.8 | 0.0 | U/P |
| 10.200 | 11.6196 | 0.0000 | 88.010 | 2.01089 | 0.00000 | 362537.2 | 27535.6 | 0.0 | U/P |
| 10.222 | 11.1662 | 0.0000 | 88.031 | 2.01378 | 0.00000 | 363448.6 | 27696.5 | 0.0 | U/P |
| 10.244 | 10.8353 | 0.0000 | 88.052 | 2.01660 | 0.00000 | 364328.7 | 27857.8 | 0.0 | U/P |
| 10.267 | 10.5962 | 0.0000 | 88.072 | 2.01931 | 0.00000 | 365185.9 | 28019.2 | 0.0 | U/P |
| 10.289 | 10.4240 | 0.0000 | 88.091 | 2.02195 | 0.00000 | 366026.8 | 28180.9 | 0.0 | U/P |
| 10.311 | 10.2994 | 0.0000 | 88.110 | 2.02452 | 0.00000 | 366855.7 | 28342.7 | 0.0 | U/P |
| 10.333 | 10.2102 | 0.0000 | 88.129 | 2.02705 | 0.00000 | 367676.1 | 28504.8 | 0.0 | U/P |
| 10.356 | 10.1458 | 0.0000 | 88.148 | 2.02955 | 0.00000 | 368490.3 | 28667.0 | 0.0 | U/P |
| 10.378 | 10.0991 | 0.0000 | 88.166 | 2.03203 | 0.00000 | 369300.1 | 28829.5 | 0.0 | U/P |
| 10.400 | 10.0652 | 0.0000 | 88.184 | 2.03449 | 0.00000 | 370106.7 | 28992.2 | 0.0 | U/P |
| 10.422 | 10.0409 | 0.0000 | 88.203 | 2.03693 | 0.00000 | 370910.9 | 29155.0 | 0.0 | U/P |
| 10.444 | 10.0233 | 0.0000 | 88.221 | 2.03936 | 0.00000 | 371713.5 | 29318.1 | 0.0 | U/P |
| 10.467 | 10.0099 | 0.0000 | 88.239 | 2.04179 | 0.00000 | 372514.8 | 29481.3 | 0.0 | U/P |
| 10.489 | 9.9999 | 0.0000 | 88.257 | 2.04420 | 0.00000 | 373315.2 | 29644.8 | 0.0 | U/P |
| 10.511 | 9.9931 | 0.0000 | 88.275 | 2.04661 | 0.00000 | 374114.9 | 29808.4 | 0.0 | U/P |
| 10.533 | 10.0044 | 0.0000 | 88.293 | 2.04901 | 0.00000 | 374914.8 | 29972.2 | 0.0 | U/P |
| 10.556 | 10.0510 | 0.0000 | 88.311 | 2.05142 | 0.00000 | 375717.1 | 30136.2 | 0.0 | U/P |
| 10.578 | 10.1529 | 0.0000 | 88.329 | 2.05384 | 0.00000 | 376525.2 | 30300.4 | 0.0 | U/P |
| 10.600 | 10.2978 | 0.0000 | 88.347 | 2.05628 | 0.00000 | 377343.3 | 30464.8 | 0.0 | U/P |
| 10.622 | 10.4550 | 0.0000 | 88.366 | 2.05876 | 0.00000 | 378173.3 | 30629.4 | 0.0 | U/P |
| 10.644 | 10.6021 | 0.0000 | 88.385 | 2.06128 | 0.00000 | 379015.6 | 30794.2 | 0.0 | U/P |
| 10.667 | 10.7260 | 0.0000 | 88.404 | 2.06384 | 0.00000 | 379868.8 | 30959.3 | 0.0 | U/P |
| 10.689 | 10.8157 | 0.0000 | 88.424 | 2.06644 | 0.00000 | 380730.4 | 31124.5 | 0.0 | U/P |
| 10.711 | 10.8783 | 0.0000 | 88.444 | 2.06906 | 0.00000 | 381598.2 | 31289.9 | 0.0 | U/P |
| 10.733 | 10.9232 | 0.0000 | 88.463 | 2.07169 | 0.00000 | 382470.3 | 31455.5 | 0.0 | U/P |
| 10.756 | 10.9563 | 0.0000 | 88.483 | 2.07433 | 0.00000 | 383345.4 | 31621.4 | 0.0 | U/P |
| 10.778 | 10.9799 | 0.0000 | 88.503 | 2.07698 | 0.00000 | 384222.9 | 31787.4 | 0.0 | U/P |
| 10.800 | 10.9970 | 0.0000 | 88.523 | 2.07963 | 0.00000 | 385101.9 | 31953.7 | 0.0 | U/P |
| 10.822 | 11.0094 | 0.0000 | 88.543 | 2.08229 | 0.00000 | 385982.2 | 32120.1 | 0.0 | U/P |
| 10.844 | 11.0182 | 0.0000 | 88.562 | 2.08494 | 0.00000 | 386863.3 | 32286.8 | 0.0 | U/P |
| 10.867 | 11.0246 | 0.0000 | 88.582 | 2.08759 | 0.00000 | 387745.0 | 32453.7 | 0.0 | U/P |
| 10.889 | 11.0293 | 0.0000 | 88.602 | 2.09024 | 0.00000 | 388627.2 | 32620.9 | 0.0 | U/P |
| 10.911 | 11.0327 | 0.0000 | 88.622 | 2.09288 | 0.00000 | 389509.7 | 32788.2 | 0.0 | U/P |
| 10.933 | 11.0351 | 0.0000 | 88.642 | 2.09553 | 0.00000 | 390392.4 | 32955.7 | 0.0 | U/P |
| 10.956 | 11.0369 | 0.0000 | 88.661 | 2.09817 | 0.00000 | 391275.3 | 33123.5 | 0.0 | U/P |
| 10.978 | 11.0383 | 0.0000 | 88.681 | 2.10080 | 0.00000 | 392158.3 | 33291.4 | 0.0 | U/P |
| 11.000 | 11.0138 | 0.0000 | 88.701 | 2.10343 | 0.00000 | 393040.3 | 33459.6 | 0.0 | U/P |
| 11.022 | 10.8899 | 0.0000 | 88.720 | 2.10605 | 0.00000 | 393916.5 | 33628.0 | 0.0 | U/P |
| 11.044 | 10.5809 | 0.0000 | 88.739 | 2.10862 | 0.00000 | 394775.3 | 33796.6 | 0.0 | U/P |
| 11.067 | 10.0438 | 0.0000 | 88.757 | 2.11108 | 0.00000 | 395600.3 | 33965.3 | 0.0 | U/P |
| 11.089 | 9.3661 | 0.0000 | 88.774 | 2.11340 | 0.00000 | 396376.7 | 34134.3 | 0.0 | U/P |
| 11.111 | 8.6746 | 0.0000 | 88.789 | 2.11552 | 0.00000 | 397098.3 | 34303.5 | 0.0 | U/P |
| 11.133 | 8.0532 | 0.0000 | 88.802 | 2.11745 | 0.00000 | 397767.5 | 34472.8 | 0.0 | U/P |
| 11.156 | 7.5560 | 0.0000 | 88.815 | 2.11919 | 0.00000 | 398391.8 | 34642.3 | 0.0 | U/P |
| 11.178 | 7.2021 | 0.0000 | 88.826 | 2.12079 | 0.00000 | 398982.2 | 34811.9 | 0.0 | U/P |
| 11.200 | 6.9536 | 0.0000 | 88.837 | 2.12228 | 0.00000 | 399548.4 | 34981.6 | 0.0 | U/P |
| 11.222 | 6.7736 | 0.0000 | 88.847 | 2.12369 | 0.00000 | 400097.5 | 35151.5 | 0.0 | U/P |
| 11.244 | 6.6421 | 0.0000 | 88.857 | 2.12505 | 0.00000 | 400634.1 | 35321.4 | 0.0 | U/P |
| 11.267 | 6.5480 | 0.0000 | 88.867 | 2.12637 | 0.00000 | 401161.7 | 35491.5 | 0.0 | U/P |
| 11.289 | 6.4798 | 0.0000 | 88.877 | 2.12766 | 0.00000 | 401682.8 | 35661.6 | 0.0 | U/P |
| 11.311 | 6.4308 | 0.0000 | 88.886 | 2.12893 | 0.00000 | 402199.2 | 35831.9 | 0.0 | U/P |
| 11.333 | 6.3956 | 0.0000 | 88.895 | 2.13018 | 0.00000 | 402712.3 | 36002.2 | 0.0 | U/P |
| 11.356 | 6.3700 | 0.0000 | 88.905 | 2.13142 | 0.00000 | 403222.9 | 36172.7 | 0.0 | U/P |
| 11.378 | 6.3515 | 0.0000 | 88.914 | 2.13265 | 0.00000 | 403731.8 | 36343.3 | 0.0 | U/P |
| 11.400 | 6.3381 | 0.0000 | 88.923 | 2.13388 | 0.00000 | 404239.3 | 36513.9 | 0.0 | U/P |
| 11.422 | 6.3285 | 0.0000 | 88.932 | 2.13510 | 0.00000 | 404746.0 | 36684.7 | 0.0 | U/P |
| 11.444 | 6.3213 | 0.0000 | 88.941 | 2.13631 | 0.00000 | 405252.0 | 36855.6 | 0.0 | U/P |
| 11.467 | 6.3159 | 0.0000 | 88.950 | 2.13752 | 0.00000 | 405757.5 | 37026.5 | 0.0 | U/P |
| 11.489 | 6.3120 | 0.0000 | 88.959 | 2.13873 | 0.00000 | 406262.6 | 37197.6 | 0.0 | U/P |

PONDS Version 3.2.0207

# Retention Pond Recovery - Refined Method <br> Copyright 2003 

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 1 - 100 Year / 24 Hour Routing

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / 1} \mathrm{~s}$ ) | Outside Recharge (ft/day) | Stage Elevation (fl datum) | Infiltration Rate ( $\mathrm{f}{ }^{3} / \mathrm{s}$ ) | Overliow Discharge ( $\mathrm{f}{ }^{3} / \mathrm{s}$ ) | Cumulative inflow <br> Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f} \mathrm{t}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 11.511 | 6.3070 | 0.0000 | 88.968 | 2.13994 | 0.00000 | 406767.4 | 37368.7 | 0.0 | U/P |
| 11.533 | 6.2966 | 0.0000 | 88.977 | 2.14115 | 0.00000 | 407271.5 | 37539.9 | 0.0 | U/P |
| 11.556 | 6.2750 | 0.0000 | 88.986 | 2.14235 | 0.00000 | 407774.4 | 37711.3 | 0.0 | U/P |
| 11.578 | 6.2418 | 0.0000 | 88.995 | 2.14354 | 0.00000 | 408275.1 | 37882.7 | 0.0 | U/P |
| 11.600 | 6.2034 | 0.0000 | 89.004 | 2.14472 | 0.00000 | 408772.9 | 38054.3 | 0.0 | U/P |
| 11.622 | 6.1658 | 0.0000 | 89.013 | 2.14590 | 0.00000 | 409267.7 | 38225.9 | 0.0 | U/P |
| 11.644 | 6.1333 | 0.0000 | 89.021 | 2.14705 | 0.00000 | 409759.6 | 38397.6 | 0.0 | U/P |
| 11.667 | 6.1085 | 0.0000 | 89.030 | 2.14820 | 0.00000 | 410249.3 | 38569.4 | 0.0 | U/P |
| 11.689 | 6.0910 | 0.0000 | 89.038 | 2.14935 | 0.00000 | 410737.3 | 38741.3 | 0.0 | U/P |
| 11.711 | 6.0786 | 0.0000 | 89.047 | 2.15048 | 0.00000 | 411224.1 | 38913.3 | 0.0 | U/P |
| 11.733 | 6.0696 | 0.0000 | 89.055 | 2.15161 | 0.00000 | 411710.0 | 39085.4 | 0.0 | U/P |
| 11.756 | 6.0630 | 0.0000 | 89.064 | 2.15274 | 0.00000 | 412195.3 | 39257.6 | 0.0 | U/P |
| 11.778 | 6.0583 | 0.0000 | 89.072 | 2.15386 | 0.00000 | 412680.2 | 39429.8 | 0.0 | U/P |
| 11.800 | 6.0549 | 0.0000 | 89.080 | 2.15499 | 0.00000 | 413164.7 | 39602.2 | 0.0 | U/P |
| 11.822 | 6.0525 | 0.0000 | 89.089 | 2.15611 | 0.00000 | 413649.0 | 39774.6 | 0.0 | U/P |
| 11.844 | 6.0507 | 0.0000 | 89.097 | 2.15723 | 0.00000 | 414133.1 | 39947.2 | 0.0 | U/P |
| 11.867 | 6.0495 | 0.0000 | 89.106 | 2.15834 | 0.00000 | 414617.1 | 40119.8 | 0.0 | U/P |
| 11.889 | 6.0486 | 0.0000 | 89.114 | 2.15946 | 0.00000 | 415101.0 | 40292.5 | 0.0 | U/P |
| 11.911 | 6.0479 | 0.0000 | 89.122 | 2.16057 | 0.00000 | 415584.9 | 40465.3 | 0.0 | U/P |
| 11.933 | 6.0474 | 0.0000 | 89.130 | 2.16169 | 0.00000 | 416068.7 | 40638.2 | 0.0 | U/P |
| 11.956 | 6.0471 | 0.0000 | 89.139 | 2.16280 | 0.00000 | 416552.5 | 40811.2 | 0.0 | U/P |
| 11.978 | 6.0468 | 0.0000 | 89.147 | 2.16391 | 0.00000 | 417036.2 | 40984.2 | 0.0 | U/P |
| 12.000 | 6.0466 | 0.0000 | 89.155 | 2.16502 | 0.00000 | 417520.0 | 41157.4 | 0.0 | U/P |
| 12.022 | 6.0504 | 0.0000 | 89.164 | 2.16613 | 0.00000 | 418003.8 | 41330.6 | 0.0 | U/P |
| 12.044 | 6.0626 | 0.0000 | 89.172 | 2.16724 | 0.00000 | 418488.4 | 41504.0 | 0.0 | U/P |
| 12.067 | 6.0886 | 0.0000 | 89.180 | 2.16836 | 0.00000 | 418974.4 | 41677.4 | 0.0 | U/P |
| 12.089 | 6.1252 | 0.0000 | 89.189 | 2.16948 | 0.00000 | 419463.0 | 41850.9 | 0.0 | U/P |
| 12.111 | 6.1646 | 0.0000 | 89.197 | 2.17061 | 0.00000 | 419954.6 | 42024.5 | 0.0 | U/P |
| \$2.133 | 6.2012 | 0.0000 | 89.206 | 2.17174 | 0.00000 | 420449.2 | 42198.2 | 0.0 | U/P |
| 12.156 | 6.2319 | 0.0000 | 89.214 | 2.17289 | 0.00000 | 420946.5 | 42372.0 | 0.0 | U/P |
| 12.178 | 6.2539 | 0.0000 | 89.223 | 2.17405 | 0.00000 | 421446.0 | 42545.9 | 0.0 | U/P |
| 12.200 | 6.2693 | 0.0000 | 89.232 | 2.17521 | 0.00000 | 421946.9 | 42719.8 | 0.0 | U/P |
| 12.222 | 6.2803 | 0.0000 | 89.241 | 2.17637 | 0.00000 | 422448.9 | 42893.9 | 0.0 | U/P |
| 12.244 | 6.2885 | 0.0000 | 89.249 | 2.17754 | 0.00000 | 422951.6 | 43068.1 | 0.0 | U/P |
| 12.267 | 6.2943 | 0.0000 | 89.258 | 2.17871 | 0.00000 | 423454.9 | 43242.3 | 0.0 | U/P |
| 12.289 | 6.2985 | 0.0000 | 89.267 | 2.17988 | 0.00000 | 423958.6 | 43416.6 | 0.0 | U/P |
| 12.311 | 6.3015 | 0.0000 | 89.275 | 2.18105 | 0.00000 | 424462.6 | 43591.1 | 0.0 | U/P |
| 12.333 | 6.3037 | 0.0000 | 89.284 | 2.18222 | 0.00000 | 424966.8 | 43765.6 | 0.0 | U/P |
| 12.356 | 6.3053 | 0.0000 | 89.293 | 2.18339 | 0.00000 | 425471.2 | 43940.2 | 0.0 | U/P |
| 12.378 | 6.3064 | 0.0000 | 89.302 | 2.18455 | 0.00000 | 425975.7 | 44115.0 | 0.0 | U/P |
| 12.400 | 6.3073 | 0.0000 | 89.310 | 2.18572 | 0.00000 | 426480.2 | 44289.8 | 0.0 | U/P |
| 12.422 | 6.3079 | 0.0000 | 88.319 | 2.18689 | 0.00000 | 426984.8 | 44464.7 | 0.0 | U/P |
| 12.444 | 6.3083 | 0.0000 | 89.328 | 2.18806 | 0.00000 | 427489.5 | 44639.7 | 0.0 | U/P |
| 12.467 | 6.3086 | 0.0000 | 89.337 | 2.18922 | 0.00000 | 427994.2 | 44814.8 | 0.0 | U/P |
| 12.489 | 6.3089 | 0.0000 | 89.345 | 2.19039 | 0.00000 | 428498.8 | 44989.9 | 0.0 | U/P |
| 12.511 | 6.3078 | 0.0000 | 89.354 | 2.19155 | 0.00000 | 429003.5 | 45165.2 | 0.0 | U/P |
| 12.533 | 6.3013 | 0.0000 | 89.363 | 2.19271 | 0.00000 | 429507.9 | 45340.6 | 0.0 | U/P |
| 12.556 | 6.2847 | 0.0000 | 89.371 | 2.19387 | 0.00000 | 430011.3 | 45516.1 | 0.0 | U/P |
| 12.578 | 6.2553 | 0.0000 | 89.380 | 2.19503 | 0.00000 | 430512.9 | 45691.6 | 0.0 | U/P |
| 12.600 | 6.2178 | 0.0000 | 89.388 | 2.19617 | 0.00000 | 431011.8 | 45867.3 | 0.0 | U/P |
| 12.622 | 6.1792 | 0.0000 | 89.397 | 2.19730 | 0.00000 | 431507.7 | 46043.0 | 0.0 | U/P |
| 12.644 | 6.1445 | 0.0000 | 89.405 | 2.19843 | 0.00000 | 432000.7 | 46218.8 | 0.0 | U/P |
| 12.667 | 6.1165 | 0.0000 | 89.413 | 2.19954 | 0.00000 | 432491.1 | 46394.7 | 0.0 | U/P |
| 12.689 | 6.0966 | 0.0000 | 89.422 | 2.20064 | 0.00000 | 432979.6 | 46570.8 | 0.0 | U/P |
| 12.711 | 6.0827 | 0.0000 | 89.430 | 2.20174 | 0.00000 | 433466.8 | 46746.8 | 0.0 | U/P |
| 12.733 | 6.0726 | 0.0000 | 89.438 | 2.20283 | 0.00000 | 433953.0 | 46923.0 | 0.0 | U/P |
| 12.756 | 6.0652 | 0.0000 | 89.446 | 2.20391 | 0.00000 | 434438.5 | 47099.3 | 0.0 | U/P |
| 12.778 | 6.0599 | 0.0000 | 89.454 | 2.20500 | 0.00000 | 434923.5 | 47275.7 | 0.0 | U/P |
| 12.800 | 6.0561 | 0.0000 | 89.462 | 2.20608 | 0.00000 | 435408.2 | 47452.1 | 0.0 | U/P |
| 12.822 | 6.0533 | 0.0000 | 89.470 | 2.20716 | 0.00000 | 435892.5 | 47628.6 | 0.0 | U/P |
| 12.844 | 6.0513 | 0.0000 | 89.478 | 2.20824 | 0.00000 | 436376.7 | 47805.2 | 0.0 | U/P |
| 12.867 | 6.0499 | 0.0000 | 89.487 | 2.20932 | 0.00000 | 436860.8 | 47982.0 | 0.0 | U/P |
| 12.889 | 6.0489 | 0.0000 | 89.495 | 2.21039 | 0.00000 | 437344.7 | 48158.7 | 0.0 | U/P |
| 12.911 | 6.0481 | 0.0000 | 89.503 | 2.21147 | 0.00000 | 437828.6 | 48335.6 | 0.0 | U/P |
| 12.933 | 6.0476 | 0.0000 | 89.511 | 2.21254 | 0.00000 | 438312.4 | 48512.6 | 0.0 | U/P |
| 12.956 | 6.0472 | 0.0000 | 89.519 | 2.21362 | 0.00000 | 438796.2 | 48689.6 | 0.0 | U/P |
| 12.978 | 6.0469 | 0.0000 | 89.527 | 2.21469 | 0.00000 | 439280.0 | 48866.8 | 0.0 | U/P |
| 13.000 | 6.0467 | 0.0000 | 89.535 | 2.21576 | 0.00000 | 439763.7 | 49044.0 | 0.0 | U/P |
| 13.022 | 6.0289 | 0.0000 | 89.543 | 2.21683 | 0.00000 | 440246.8 | 49221.3 | 0.0 | U/P |
| 13.044 | 5.9642 | 0.0000 | 89.551 | 2.21789 | 0.00000 | 440726.5 | 49398.7 | 0.0 | U/P |
| 13.067 | 5.8169 | 0.0000 | 89.558 | 2.21893 | 0.00000 | 441197.7 | 49576.1 | 0.0 | U/P |
| 13.089 | 5.5871 | 0.0000 | 89.565 | 2.21993 | 0.00000 | 441653.9 | 49753.7 | 0.0 | U/P |
| 13.111 | 5.3182 | 0.0000 | 89.572 | 2.22086 | 0.00000 | 442090.1 | 49931.3 | 0.0 | U/P |
| \$3.133 | 5.0547 | 0.0000 | 89.578 | 2.22173 | 0.00000 | 442505.0 | 50109.0 | 0.0 | U/P |

PONDS Version 3.2.0207

# Retention Pond Recovery - Refined Method Copyright 2003 

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 1-100 Year/24 Hour Routing

| Elapsed Time (hours) | Inflow Rate (f13/s) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f} \mathrm{t}^{3} \mathrm{~s}$ ) | Overlow Discharge ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume $\left(\mathrm{f}^{3}\right)$ | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 13.156 | 4.8246 | 0.0000 | 89.584 | 2.22252 | 0.00000 | 442900.2 | 50286.8 | 0.0 | U/P |
| 13.178 | 4.6483 | 0.0000 | 89.589 | 2.22325 | 0.00000 | 443279.1 | 50464.6 | 0.0 | U/P |
| 13.200 | 4.5238 | 0.0000 | 89.594 | 2.22393 | 0.00000 | 443646.0 | 50642.5 | 0.0 | U/P |
| 13.222 | 4.4356 | 0.0000 | 89.599 | 2.22457 | 0.00000 | 444004.3 | 50820.5 | 0.0 | U/P |
| 13.244 | 4.3713 | 0.0000 | 89.603 | 2.22519 | 0.00000 | 444356.6 | 50998.5 | 0.0 | U/P |
| 13.267 | 4.3248 | 0.0000 | 89.608 | 2.22578 | 0.00000 | 444704.5 | 51176.5 | 0.0 | U/P |
| 13.289 | 4.2913 | 0.0000 | 89.612 | 2.22637 | 0.00000 | 445049.1 | 51354.6 | 0.0 | U/P |
| 13.311 | 4.2671 | 0.0000 | 89.616 | 2.22694 | 0.00000 | 445391.4 | 51532.7 | 0.0 | U/P |
| 13.333 | 4.2497 | 0.0000 | 89.621 | 2.22751 | 0.00000 | 445732.1 | 51710.9 | 0.0 | U/P |
| 13.356 | 4.2372 | 0.0000 | 89.625 | 2.22807 | 0.00000 | 446071.6 | 51889.1 | 0.0 | U/P |
| 13.378 | 4.2281 | 0.0000 | 89.629 | 2.22863 | 0.00000 | 446410.2 | 52067.4 | 0.0 | U/P |
| 13.400 | 4.2215 | 0.0000 | 89.633 | 2.22919 | 0.00000 | 446748.2 | 52245.7 | 0.0 | U/P |
| 13.422 | 4.2168 | 0.0000 | 89.637 | 2.22974 | 0.00000 | 447085.7 | 52424.0 | 0.0 | U/P |
| 13.444 | 4.2133 | 0.0000 | 89.641 | 2.23029 | 0.00000 | 447422.9 | 52602.5 | 0.0 | U/P |
| 13.467 | 4.2107 | 0.0000 | 89.645 | 2.23084 | 0.00000 | 447759.9 | 52780.9 | 0.0 | U/P |
| 13.489 | 4.2088 | 0.0000 | 89.650 | 2.23139 | 0.00000 | 448096.7 | 52959.4 | 0.0 | U/P |
| 13.511 | 4.2075 | 0.0000 | 89.654 | 2.23194 | 0.00000 | 448433.3 | 53137.9 | 0.0 | U/P |
| 13.533 | 4.2058 | 0.0000 | 89.658 | 2.23249 | 0.00000 | 448769.8 | 53316.5 | 0.0 | U/P |
| 13.556 | 4.2026 | 0.0000 | 89.662 | 2.23304 | 0.00000 | 449106.2 | 53495.1 | 0.0 | U/P |
| 13.578 | 4.1962 | 0.0000 | 89.666 | 2.23358 | 0.00000 | 449442.1 | 53673.8 | 0.0 | U/P |
| 13.600 | 4.1871 | 0.0000 | 89.670 | 2.23413 | 0.00000 | 449777.5 | 53852.5 | 0.0 | U/P |
| 13.622 | 4.1772 | 0.0000 | 89.674 | 2.23467 | 0.00000 | 450112.0 | 54031.2 | 0.0 | U/P |
| 13.644 | 4.1679 | 0.0000 | 89.678 | 2.23521 | 0.00000 | 450445.8 | 54210.0 | 0.0 | U/P |
| 13.667 | 4.1601 | 0.0000 | 89.682 | 2.23574 | 0.00000 | 450779.0 | 54388.9 | 0.0 | U/P |
| 13.689 | 4.1545 | 0.0000 | 89.686 | 2.23627 | 0.00000 | 451111.5 | 54567.8 | 0.0 | U/P |
| 13.711 | 4.1505 | 0.0000 | 89.690 | 2.23681 | 0.00000 | 451443.8 | 54746.7 | 0.0 | U/P |
| 13.733 | 4.1477 | 0.0000 | 89.694 | 2.23733 | 0.00000 | 451775.7 | 54925.6 | 0.0 | U/P |
| 13.756 | 4.1456 | 0.0000 | 89.698 | 2.23786 | 0.00000 | 452107.4 | 55104.6 | 0.0 | U/P |
| 13.778 | 4.1442 | 0.0000 | 89.702 | 2.23839 | 0.00000 | 452439.0 | 55283.7 | 0.0 | U/P |
| 13.800 | 4.1431 | 0.0000 | 89.706 | 2.23892 | 0.00000 | 452770.5 | 55462.8 | 0.0 | U/P |
| 13.822 | 4.1423 | 0.0000 | 89.710 | 2.23945 | 0.00000 | 453101.9 | 55641.9 | 0.0 | U/P |
| 13.844 | 4.1418 | 0.0000 | 89.714 | 2.23997 | 0.00000 | 453433.3 | 55821.1 | 0.0 | U/P |
| 13.867 | 4.1414 | 0.0000 | 89.718 | 2.24050 | 0.00000 | 453764.6 | 56000.3 | 0.0 | U/P |
| 13.889 | 4.1411 | 0.0000 | 89.722 | 2.24102 | 0.00000 | 454095.9 | 56179.6 | 0.0 | U/P |
| 13.911 | 4.1409 | 0.0000 | 89.725 | 2.24155 | 0.00000 | 454427.2 | 56358.9 | 0.0 | U/P |
| 13.933 | 4.1407 | 0.0000 | 89.729 | 2.24207 | 0.00000 | 454758.4 | 56538.2 | 0.0 | U/P |
| 13.956 | 4.1406 | 0.0000 | 89.733 | 2.24260 | 0.00000 | 455089.7 | 56717.6 | 0.0 | U/P |
| 13.978 | 4.1405 | 0.0000 | 89.737 | 2.24312 | 0.00000 | 455420.9 | 56897.0 | 0.0 | U/P |
| 14.000 | 4.1266 | 0.0000 | 89.741 | 2.24364 | 0.00000 | 455751.6 | 57076.5 | 0.0 | U/P |
| 14.022 | 4.0591 | 0.0000 | 89.745 | 2.24416 | 0.00000 | 456079.0 | 57256.0 | 0.0 | U/P |
| 14.044 | 3.8916 | 0.0000 | 89.748 | 2.24465 | 0.00000 | 456397.1 | 57435.6 | 0.0 | U/P |
| 14.067 | 3.6006 | 0.0000 | 89.752 | 2.24510 | 0.00000 | 456696.8 | 57615.2 | 0.0 | U/P |
| 14.089 | 3.2336 | 0.0000 | 89.754 | 2.24547 | 0.00000 | 456970.1 | 57794.8 | 0.0 | U/P |
| 14.111 | 2.8590 | 0.0000 | 89.756 | 2.24574 | 0.00000 | 457213.8 | 57974.4 | 0.0 | U/P |
| 14.133 | 2.5224 | 0.0000 | 89.757 | 2.24591 | 0.00000 | 457429.1 | 58154.1 | 0.0 | U/P |
| 14.156 | 2.2532 | 0.0000 | 89.757 | 2.24599 | 0.00000 | 457620.1 | 58333.8 | 0.0 | U/P |
| 14.178 | 2.0615 | 0.0000 | 89.757 | 2.24600 | 0.00000 | 457792.7 | 58513.5 | 0.0 | U/P |
| 14.200 | 1.9269 | 0.0000 | 89.756 | 2.24595 | 0.00000 | 457952.2 | 58693.2 | 0.0 | U/P |
| 14.222 | 1.8294 | 0.0000 | 89.755 | 2.24587 | 0.00000 | 458102.5 | 58872.8 | 0.0 | U/P |
| 14.244 | 1.7581 | 0.0000 | 89.754 | 2.24575 | 0.00000 | 458246.0 | 59052.5 | 0.0 | U/P |
| 14.267 | 1.7072 | 0.0000 | 89.753 | 2.24562 | 0.00000 | 458384.6 | 59232.1 | 0.0 | U/P |
| 14.289 | 1.6702 | 0.0000 | 89.752 | 2.24547 | 0.00000 | 458519.7 | 59411.8 | 0.0 | U/P |
| 14.311 | 1.6437 | 0.0000 | 89.751 | 2.24531 | 0.00000 | 458652.3 | 59591.4 | 0.0 | U/P |
| 14.333 | 1.6246 | 0.0000 | 89.750 | 2.24515 | 0.00000 | 458783.0 | 59771.0 | 0.0 | U/P |
| 14.356 | 1.6108 | 0.0000 | 89.748 | 2.24498 | 0.00000 | 458912.4 | 59950.6 | 0.0 | U/P |
| 14.378 | 1.6007 | 0.0000 | 89.747 | 2.24480 | 0.00000 | 459040.8 | 60130.2 | 0.0 | U/P |
| 14.400 | 1.5935 | 0.0000 | 89.746 | 2.24463 | 0.00000 | 459168.6 | 60309.8 | 0.0 | U/P |
| 14.422 | 1.5883 | 0.0000 | 89.744 | 2.24445 | 0.00000 | 459295.9 | 60489.4 | 0.0 | U/P |
| 14.444 | \$.5844 | 0.0000 | 89.743 | 2.24427 | 0.00000 | 459422.8 | 60668.9 | 0.0 | U/P |
| 14.467 | 1.5814 | 0.0000 | 89.742 | 2.24408 | 0.00000 | 459549.4 | 60848.5 | 0.0 | U/P |
| 14.489 | 1.5793 | 0.0000 | 89.740 | 2.24390 | 0.00000 | 459675.8 | 61028.0 | 0.0 | U/P |
| 14.511 | 1.5781 | 0.0000 | 89.739 | 2.24372 | 0.00000 | 459802.2 | 61207.5 | 0.0 | U/P |
| 14.533 | 1.5776 | 0.0000 | 89.738 | 2.24353 | 0.00000 | 459928.4 | 61387.0 | 0.0 | U/P |
| 14.556 | 1.5775 | 0.0000 | 89.736 | 2.24335 | 0.00000 | 460054.6 | 61566.5 | 0.0 | U/P |
| 14.578 | 1.5775 | 0.0000 | 89.735 | 2.24317 | 0.00000 | 460180.8 | 61745.9 | 0.0 | U/P |
| 14.600 | 1.5775 | 0.0000 | 89.734 | 2.24298 | 0.00000 | 460307.0 | 61925.4 | 0.0 | U/P |
| 14.622 | 1.5774 | 0.0000 | 89.732 | 2.24280 | 0.00000 | 460433.2 | 62104.8 | 0.0 | U/P |
| 14.644 | 1.5774 | 0.0000 | 89.731 | 2.24262 | 0.00000 | 460559.4 | 62284.2 | 0.0 | U/P |
| 14.667 | 1.5774 | 0.0000 | 89.729 | 2.24243 | 0.00000 | 460685.6 | 62463.6 | 0.0 | U/P |
| 14.689 | 1.5774 | 0.0000 | 89.728 | 2.24225 | 0.00000 | 460811.8 | 62643.0 | 0.0 | U/P |
| 14.711 | 1.5773 | 0.0000 | 89.727 | 2.24206 | 0.00000 | 460937.9 | 62822.4 | 0.0 | U/P |
| 14.733 | 1.5773 | 0.0000 | 89.725 | 2.24188 | 0.00000 | 461064.1 | 63001.7 | 0.0 | U/P |
| 14.756 | 1.5773 | 0.0000 | 88.724 | 2.24170 | 0.00000 | 461190.3 | 63181.1 | 0.0 | U/P |
| 14.778 | 1.5773 | 0.0000 | 89.723 | 2.24151 | 0.00000 | 461316.5 | 63360.4 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 1-100 Year/24 Hour Routing

| Elapsed Time (hours) | Inflow Rate (ft3/s) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overfow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume (ft ${ }^{3}$ ) | Cumulative Infiltration Volume (ft ${ }^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 14.800 | 1.5773 | 0.0000 | 89.721 | 2.24133 | 0.00000 | 461442.7 | 63539.7 | 0.0 | U/P |
| 14.822 | 1.5773 | 0.0000 | 89.720 | 2.24115 | 0.00000 | 461568.9 | 63719.0 | 0.0 | U/P |
| 14.844 | 1.5773 | 0.0000 | 89.718 | 2.24096 | 0.00000 | 461695.1 | 63898.3 | 0.0 | U/P |
| 14.867 | 1.5773 | 0.0000 | 89.717 | 2.24078 | 0.00000 | 461821.3 | 64077.6 | 0.0 | U/P |
| 14.889 | 1.5773 | 0.0000 | 89.716 | 2.24060 | 0.00000 | 461947.4 | 64256.8 | 0.0 | U/P |
| 14.911 | 1.5773 | 0.0000 | 89.714 | 2.24041 | 0.00000 | 462073.6 | 64436.1 | 0.0 | U/P |
| 14.933 | 1.5773 | 0.0000 | 89.713 | 2.24023 | 0.00000 | 462199.8 | 64615.3 | 0.0 | U/P |
| 14.956 | 1.5773 | 0.0000 | 89.712 | 2.24005 | 0.00000 | 462326.0 | 64794.5 | 0.0 | U/P |
| 14.978 | 1.5773 | 0.0000 | 89.710 | 2.23986 | 0.00000 | 462452.2 | 64973.7 | 0.0 | U/P |
| 15.000 | 1.5773 | 0.0000 | 89.709 | 2.23968 | 0.00000 | 462578.3 | 65152.9 | 0.0 | U/P |
| 15.022 | 1.5773 | 0.0000 | 89.707 | 2.23950 | 0.00000 | 462704.5 | 65332.0 | 0.0 | U/P |
| 15.044 | 1.5773 | 0.0000 | 89.706 | 2.23931 | 0.00000 | 462830.7 | 65511.2 | 0.0 | U/P |
| 15.067 | 1.5774 | 0.0000 | 89.705 | 2.23913 | 0.00000 | 462856.9 | 65690.3 | 0.0 | U/P |
| 15.089 | 1.5774 | 0.0000 | 89.703 | 2.23895 | 0.00000 | 463083.1 | 65869.5 | 0.0 | U/P |
| 15.111 | 1.5774 | 0.0000 | 89.702 | 2.23877 | 0.00000 | 463209.3 | 66048.6 | 0.0 | U/P |
| 15.133 | 1.5775 | 0.0000 | 89.701 | 2.23858 | 0.00000 | 463335.5 | 66227.7 | 0.0 | U/P |
| 15.156 | 1.5775 | 0.0000 | 89.699 | 2.23840 | 0.00000 | 463461.7 | 66406.7 | 0.0 | U/P |
| 15.178 | 1.5775 | 0.0000 | 89.698 | 2.23822 | 0.00000 | 463587.9 | 66585.8 | 0.0 | U/P |
| 15.200 | 1.5776 | 0.0000 | 89.697 | 2.23803 | 0.00000 | 463714.1 | 66764.8 | 0.0 | U/P |
| 15.222 | 1.5776 | 0.0000 | 89.695 | 2.23785 | 0.00000 | 463840.3 | 66943.9 | 0.0 | U/P |
| 15.244 | 1.5776 | 0.0000 | 89.694 | 2.23767 | 0.00000 | 463966.5 | 67122.9 | 0.0 | U/P |
| 15.267 | 1.5776 | 0.0000 | 89.692 | 2.23749 | 0.00000 | 464092.7 | 67301.9 | 0.0 | U/P |
| 15.289 | 1.5776 | 0.0000 | 89.691 | 2.23730 | 0.00000 | 464218.9 | 67480.9 | 0.0 | U/P |
| 15.311 | 1.5776 | 0.0000 | 89.690 | 2.23712 | 0.00000 | 464345.1 | 67659.9 | 0.0 | U/P |
| 15.333 | 1.5776 | 0.0000 | 89.688 | 2.23694 | 0.00000 | 464471.3 | 67838.8 | 0.0 | U/P |
| 15.356 | 1.5776 | 0.0000 | 89.687 | 2.23676 | 0.00000 | 464597.5 | 68017.8 | 0.0 | U/P |
| 15.378 | 1.5776 | 0.0000 | 89.686 | 2.23657 | 0.00000 | 464723.8 | 68196.7 | 0.0 | U/P |
| 15.400 | 1.5776 | 0.0000 | 89.684 | 2.23639 | 0.00000 | 464850.0 | 68375.6 | 0.0 | U/P |
| $\$ 5.422$ | 1.5776 | 0.0000 | 89.683 | 2.23621 | 0.00000 | 464976.2 | 68554.5 | 0.0 | U/P |
| 15.444 | 1.5776 | 0.0000 | 89.682 | 2.23603 | 0.00000 | 465102.4 | 68733.4 | 0.0 | U/P |
| 15.467 | 1.5776 | 0.0000 | 89.680 | 2.23584 | 0.00000 | 465228.6 | 68912.3 | 0.0 | U/P |
| 15.489 | 1.5776 | 0.0000 | 89.679 | 2.23566 | 0.00000 | 465354.8 | 69091.2 | 0.0 | U/P |
| 15.511 | 1.5763 | 0.0000 | 89.677 | 2.23548 | 0.00000 | 465480.9 | 69270.0 | 0.0 | U/P |
| 15.533 | 1.5697 | 0.0000 | 89.676 | 2.23530 | 0.00000 | 465606.8 | 69448.8 | 0.0 | U/P |
| 15.556 | 1.5531 | 0.0000 | 89.675 | 2.23511 | 0.00000 | 465731.7 | 69627.7 | 0.0 | U/P |
| 15.578 | 1.5237 | 0.0000 | 89.673 | 2.23492 | 0.00000 | 465854.8 | 69806.5 | 0.0 | U/P |
| 15.600 | 1.4861 | 0.0000 | 89.672 | 2.23472 | 0.00000 | 465975.2 | 69985.2 | 0.0 | U/P |
| 15.622 | 1.4475 | 0.0000 | 89.670 | 2.23452 | 0.00000 | 466092.5 | 70164.0 | 0.0 | U/P |
| 15.644 | 1.4127 | 0.0000 | 89.668 | 2.23430 | 0.00000 | 466206.9 | 70342.8 | 0.0 | U/P |
| 15.667 | 1.3848 | 0.0000 | 89.667 | 2.23407 | 0.00000 | 466318.8 | 70521.5 | 0.0 | U/P |
| 15.689 | 1.3648 | 0.0000 | 89.665 | 2.23384 | 0.00000 | 466428.8 | 70700.2 | 0.0 | U/P |
| 15.711 | 1.3508 | 0.0000 | 89.663 | 2.23360 | 0.00000 | 466537.4 | 70878.9 | 0.0 | U/P |
| 15.733 | 1.3407 | 0.0000 | 89.661 | 2.23335 | 0.00000 | 466645.1 | 71057.6 | 0.0 | U/P |
| 15.756 | 1.3333 | 0.0000 | 89.659 | 2.23310 | 0.00000 | 466752.1 | 71236.3 | 0.0 | U/P |
| 15.778 | 1.3280 | 0.0000 | 89.658 | 2.23285 | 0.00000 | 466858.5 | 71414.9 | 0.0 | U/P |
| 15.800 | 1.3242 | 0.0000 | 89.656 | 2.23260 | 0.00000 | 466964.6 | 71593.5 | 0.0 | U/P |
| 15.822 | 1.3214 | 0.0000 | 89.654 | 2.23235 | 0.00000 | 467070.4 | 71772.1 | 0.0 | U/P |
| 15.844 | 1.3194 | 0.0000 | 89.652 | 2.23210 | 0.00000 | 467176.0 | 71950.7 | 0.0 | U/P |
| 15.867 | 1.3180 | 0.0000 | 89.650 | 2.23185 | 0.00000 | 467281.5 | 72129.2 | 0.0 | U/P |
| 15.889 | 1.3169 | 0.0000 | 89.648 | 2.23159 | 0.00000 | 467386.9 | 72307.8 | 0.0 | U/P |
| 15.911 | 1.3162 | 0.0000 | 89.646 | 2.23134 | 0.00000 | 467492.3 | 72486.3 | 0.0 | U/P |
| 15.933 | 1.3156 | 0.0000 | 89.644 | 2.23109 | 0.00000 | 467597.5 | 72664.8 | 0.0 | U/P |
| 15.956 | 1.3152 | 0.0000 | 89.642 | 2.23083 | 0.00000 | 467702.8 | 72843.3 | 0.0 | U/P |
| 15.978 | 1.3149 | 0.0000 | 89.640 | 2.23058 | 0.00000 | 467808.0 | 73021.7 | 0.0 | U/P |
| 16.000 | 1.3147 | 0.0000 | 89.639 | 2.23032 | 0.00000 | 467913.2 | 73200.2 | 0.0 | U/P |
| 16.022 | 1.3121 | 0.0000 | 89.637 | 2.23007 | 0.00000 | 468018.3 | 73378.6 | 0.0 | U/P |
| 16.044 | 1.3028 | 0.0000 | 89.635 | 2.22981 | 0.00000 | 468122.8 | 73557.0 | 0.0 | U/P |
| 16.067 | 1.2817 | 0.0000 | 89.633 | 2.22955 | 0.00000 | 468226.2 | 73735.4 | 0.0 | U/P |
| 16.089 | 1.2489 | 0.0000 | 89.631 | 2.22929 | 0.00000 | 468327.4 | 73913.7 | 0.0 | U/P |
| 16.111 | 1.2104 | 0.0000 | 89.629 | 2.22902 | 0.00000 | 468425.8 | 74092.0 | 0.0 | U/P |
| 16.133 | 1.1727 | 0.0000 | 89.627 | 2.22874 | 0.00000 | 468521.1 | 74270.3 | 0.0 | U/P |
| 16.156 | 1.1398 | 0.0000 | 89.624 | 2.22844 | 0.00000 | 468613.6 | 74448.6 | 0.0 | U/P |
| 16.178 | 1.1146 | 0.0000 | 89.622 | 2.22814 | 0.00000 | 468703.8 | 74626.9 | 0.0 | U/P |
| 16.200 | 1.0968 | 0.0000 | 89.620 | 2.22783 | 0.00000 | 468792.3 | 74805.1 | 0.0 | U/P |
| 16.222 | 1.0842 | 0.0000 | 89.617 | 2.22752 | 0.00000 | 468879.5 | 74983.4 | 0.0 | U/P |
| 16.244 | 1.0750 | 0.0000 | 89.615 | 2.22720 | 0.00000 | 468965.8 | 75161.5 | 0.0 | U/P |
| 16.267 | 1.0684 | 0.0000 | 89.613 | 2.22688 | 0.00000 | 469051.6 | 75339.7 | 0.0 | U/P |
| 16.289 | 1.0636 | 0.0000 | 89.610 | 2.22656 | 0.00000 | 469136.8 | 75517.8 | 0.0 | U/P |
| 16.311 | 1.0601 | 0.0000 | 89.608 | 2.22623 | 0.00000 | 469221.8 | 75696.0 | 0.0 | U/P |
| 16.333 | 1.0576 | 0.0000 | 89.605 | 2.22591 | 0.00000 | 469306.6 | 75874.0 | 0.0 | U/P |
| 16.356 | 1.0558 | 0.0000 | 89.603 | 2.22559 | 0.00000 | 469391.1 | 76052.1 | 0.0 | U/P |
| 16.378 | 1.0545 | 0.0000 | 89.600 | 2.22526 | 0.00000 | 469475.5 | 76230.1 | 0.0 | U/P |
| 16.400 | 1.0536 | 0.0000 | 89.598 | 2.22493 | 0.00000 | 469559.8 | 76408.1 | 0.0 | U/P |
| 16.422 | 1.0529 | 0.0000 | 89.596 | 2.22461 | 0.00000 | 469644.1 | 76586.1 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 1-100 Year / 24 Hour Routing

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 /} \mathrm{s}$ ) | Overfiow Discharge (ftis) | $\begin{aligned} & \text { Cumulative } \\ & \text { Inflow } \\ & \text { Volume }\left(\mathrm{ff}^{3}\right) \end{aligned}$ | Cumulative Infiltration Volume ( $\mathrm{t}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 16.444 | 1.0524 | 0.0000 | 89.593 | 2.22428 | 0.00000 | 469728.3 | 76764.1 | 0.0 | U/P |
| 16.467 | 1.0521 | 0.0000 | 89.591 | 2.22396 | 0.00000 | 469812.5 | 76942.0 | 0.0 | U/P |
| 16.489 | 1.0518 | 0.0000 | 89.588 | 2.22363 | 0.00000 | 469896.6 | 77119.9 | 0.0 | U/P |
| 16.511 | 1.0516 | 0.0000 | 89.586 | 2.22330 | 0.00000 | 469980.8 | 77297.8 | 0.0 | U/P |
| 16.533 | 1.0562 | 0.0000 | 89.583 | 2.22298 | 0.00000 | 470065.1 | 77475.6 | 0.0 | U/P |
| 16.556 | 1.0711 | 0.0000 | 89.581 | 2.22265 | 0.00000 | 470150.2 | 77653.5 | 0.0 | U/P |
| 16.578 | 1.1029 | 0.0000 | 89.579 | 2.22233 | 0.00000 | 470237.1 | 77831.3 | 0.0 | U/P |
| 16.600 | 1.1482 | 0.0000 | 89.576 | 2.22202 | 0.00000 | 470327.2 | 78009.0 | 0.0 | U/P |
| 16.622 | 1.1974 | 0.0000 | 89.574 | 2.22172 | 0.00000 | 470421.0 | 78186.8 | 0.0 | U/P |
| 16.644 | 1.2434 | 0.0000 | 89.572 | 2.22144 | 0.00000 | 470518.6 | 78364.5 | 0.0 | U/P |
| 16.667 | 1.2821 | 0.0000 | 89.570 | 2.22116 | 0.00000 | 470619.7 | 78542.2 | 0.0 | U/P |
| 16.689 | 1.3102 | 0.0000 | 89.568 | 2.22090 | 0.00000 | 470723.3 | 78719.9 | 0.0 | U/P |
| 16.711 | 1.3297 | 0.0000 | 89.566 | 2.22065 | 0.00000 | 470828.9 | 78897.6 | 0.0 | U/P |
| 16.733 | 1.3437 | 0.0000 | 89.564 | 2.22040 | 0.00000 | 470935.9 | 79075.2 | 0.0 | U/P |
| 16.756 | 1.3541 | 0.0000 | 89.563 | 2.22015 | 0.00000 | 471043.8 | 79252.8 | 0.0 | U/P |
| 16.778 | 1.3615 | 0.0000 | 89.561 | 2.21991 | 0.00000 | 471152.4 | 79430.4 | 0.0 | U/P |
| 16.800 | 1.3668 | 0.0000 | 89.559 | 2.21967 | 0.00000 | 471261.5 | 79608.0 | 0.0 | U/P |
| 16.822 | 1.3707 | 0.0000 | 89.557 | 2.21943 | 0.00000 | 471371.0 | 79785.6 | 0.0 | U/P |
| 16.844 | 1.3734 | 0.0000 | 89.555 | 2.21920 | 0.00000 | 471480.8 | 79963.1 | 0.0 | U/P |
| 16.867 | 1.3754 | 0.0000 | 89.554 | 2.21896 | 0.00000 | 471590.8 | 80140.6 | 0.0 | U/P |
| 16.889 | 1.3769 | 0.0000 | 89.552 | 2.21873 | 0.00000 | 471700.8 | 80318.2 | 0.0 | U/P |
| 16.911 | 1.3779 | 0.0000 | 89.550 | 2.21849 | 0.00000 | 471811.0 | 80495.6 | 0.0 | U/P |
| 16.933 | 1.3787 | 0.0000 | 89.548 | 2.21826 | 0.00000 | 471921.3 | 80673.1 | 0.0 | U/P |
| 16.956 | 1.3792 | 0.0000 | 89.547 | 2.21802 | 0.00000 | 472031.6 | 80850.6 | 0.0 | U/P |
| 16.978 | 1.3797 | 0.0000 | 89.545 | 2.21779 | 0.00000 | 472142.0 | 81028.0 | 0.0 | U/P |
| 17.000 | 1.3810 | 0.0000 | 89.543 | 2.21755 | 0.00000 | 472252.4 | 81205.4 | 0.0 | U/P |
| 17.022 | 1.3864 | 0.0000 | 89.541 | 2.21732 | 0.00000 | 472363.1 | 81382.8 | 0.0 | U/P |
| 17.044 | 1.3994 | 0.0000 | 89.540 | 2.21709 | 0.00000 | 472474.5 | 81560.2 | 0.0 | U/P |
| 17.067 | 1.4218 | 0.0000 | 89.538 | 2.21686 | 0.00000 | 472587.4 | 81737.5 | 0.0 | U/P |
| 17.089 | 1.4501 | 0.0000 | 89.536 | 2.21664 | 0.00000 | 472702.3 | 81914.9 | 0.0 | U/P |
| 17.111 | 1.4789 | 0.0000 | 89.535 | 2.21643 | 0.00000 | 472819.4 | 82092.2 | 0.0 | U/P |
| 17.133 | 1.5049 | 0.0000 | 89.533 | 2.21622 | 0.00000 | 472938.8 | 82269.5 | 0.0 | U/P |
| 17.156 | 1.5256 | 0.0000 | 89.532 | 2.21602 | 0.00000 | 473060.0 | 82446.8 | 0.0 | U/P |
| 17.178 | 1.5404 | 0.0000 | 89.530 | 2.21583 | 0.00000 | 473182.6 | 82624.1 | 0.0 | U/P |
| 17.200 | 1.5507 | 0.0000 | 89.529 | 2.21564 | 0.00000 | 473306.3 | 82801.3 | 0.0 | U/P |
| 17.222 | 1.5582 | 0.0000 | 89.528 | 2.21545 | 0.00000 | 473430.6 | 82978.6 | 0.0 | U/P |
| 17.244 | 1.5637 | 0.0000 | 89.526 | 2.21527 | 0.00000 | 473555.5 | 83155.8 | 0.0 | U/P |
| 17.267 | 1.5676 | 0.0000 | 89.525 | 2.21509 | 0.00000 | 473680.8 | 83333.0 | 0.0 | U/P |
| 17.289 | 1.5705 | 0.0000 | 89.524 | 2.21490 | 0.00000 | 473806.3 | 83510.2 | 0.0 | U/P |
| 17.311 | 1.5725 | 0.0000 | 89.522 | 2.21472 | 0.00000 | 473932.0 | 83687.4 | 0.0 | U/P |
| 17.333 | 1.5740 | 0.0000 | 89.521 | 2.21455 | 0.00000 | 474057.9 | 83864.6 | 0.0 | U/P |
| 17.356 | 1.5751 | 0.0000 | 89.520 | 2.21437 | 0.00000 | 474183.8 | 84041.7 | 0.0 | U/P |
| 17.378 | 1.5758 | 0.0000 | 89.518 | 2.21419 | 0.00000 | 474309.9 | 84218.9 | 0.0 | U/P |
| 17.400 | 1.5764 | 0.0000 | 89.517 | 2.21401 | 0.00000 | 474436.0 | 84396.0 | 0.0 | U/P |
| 17.422 | 1.5768 | 0.0000 | 89.516 | 2.21383 | 0.00000 | 474562.1 | 84573.1 | 0.0 | U/P |
| 17.444 | 1.5771 | 0.0000 | 89.514 | 2.21365 | 0.00000 | 474688.3 | 84750.2 | 0.0 | U/P |
| 17.467 | 1.5773 | 0.0000 | 89.513 | 2.21347 | 0.00000 | 474814.4 | 84927.3 | 0.0 | U/P |
| 17.489 | 1.5775 | 0.0000 | 89.512 | 2.21330 | 0.00000 | 474940.6 | 85104.4 | 0.0 | U/P |
| 17.511 | 1.5749 | 0.0000 | 89.510 | 2.21312 | 0.00000 | 475066.7 | 85281.4 | 0.0 | U/P |
| 17.533 | 1.5654 | 0.0000 | 89.509 | 2.21294 | 0.00000 | 475192.3 | 85458.5 | 0.0 | U/P |
| 17.556 | 1.5438 | 0.0000 | 89.508 | 2.21276 | 0.00000 | 475316.7 | 85635.5 | 0.0 | U/P |
| 17.578 | 1.5105 | 0.0000 | 89.506 | 2.21257 | 0.00000 | 475438.8 | 85812.5 | 0.0 | U/P |
| 17.600 | 1.4719 | 0.0000 | 89.505 | 2.21237 | 0.00000 | 475558.2 | 85989.5 | 0.0 | U/P |
| 17.622 | 1.4344 | 0.0000 | 89.503 | 2.21216 | 0.00000 | 475674.4 | 86166.5 | 0.0 | U/P |
| 17.644 | 1.4017 | 0.0000 | 89.501 | 2.21195 | 0.00000 | 475787.8 | 86343.5 | 0.0 | U/P |
| 17.667 | 1.3768 | 0.0000 | 89.500 | 2.21172 | 0.00000 | 475899.0 | 86520.4 | 0.0 | U/P |
| 17.689 | 1.3593 | 0.0000 | 89.498 | 2.21149 | 0.00000 | 476008.4 | 86697.3 | 0.0 | U/P |
| 17.711 | 1.3469 | 0.0000 | 89.496 | 2.21125 | 0.00000 | 476116.7 | 86874.2 | 0.0 | U/P |
| 17.733 | 1.3378 | 0.0000 | 89.494 | 2.21101 | 0.00000 | 476224.1 | 87051.1 | 0.0 | U/P |
| 17.756 | 1.3312 | 0.0000 | 89.492 | 2.21076 | 0.00000 | 476330.8 | 87228.0 | 0.0 | U/P |
| 17.778 | 1.3265 | 0.0000 | 89.491 | 2.21052 | 0.00000 | 476437.1 | 87404.8 | 0.0 | U/P |
| 17.800 | 1.3231 | 0.0000 | 89.489 | 2.21027 | 0.00000 | 476543.1 | 87581.7 | 0.0 | U/P |
| 17.822 | 1.3206 | 0.0000 | 89.487 | 2.21002 | 0.00000 | 476648.9 | 87758.5 | 0.0 | U/P |
| 17.844 | 1.3189 | 0.0000 | 89.485 | 2.20977 | 0.00000 | 476754.4 | 87935.3 | 0.0 | U/P |
| 17.867 | 1.3176 | 0.0000 | 89.483 | 2.20952 | 0.00000 | 476859.9 | 88112.1 | 0.0 | U/P |
| 17.889 | 1.3167 | 0.0000 | 89.481 | 2.20927 | 0.00000 | 476965.3 | 88288.8 | 0.0 | U/P |
| 17.911 | 1.3160 | 0.0000 | 89.479 | 2.20902 | 0.00000 | 477070.6 | 88465.5 | 0.0 | U/P |
| 17.933 | 1.3155 | 0.0000 | 89.477 | 2.20877 | 0.00000 | 477175.8 | 88642.2 | 0.0 | U/P |
| 17.956 | 1.3151 | 0.0000 | 89.476 | 2.20852 | 0.00000 | 477281.1 | 88818.9 | 0.0 | U/P |
| 17.978 | 1.3149 | 0.0000 | 89.474 | 2.20827 | 0.00000 | 477386.3 | 88995.6 | 0.0 | U/P |
| 18.000 | 1.3147 | 0.0000 | 89.472 | 2.20802 | 0.00000 | 477491.4 | 89172.3 | 0.0 | U/P |
| 18.022 | 1.3106 | 0.0000 | 89.470 | 2.20777 | 0.00000 | 477596.5 | 89348.9 | 0.0 | U/P |
| 18.044 | 1.2984 | 0.0000 | 89.468 | 2.20752 | 0.00000 | 477700.8 | 89525.5 | 0.0 | U/P |
| 18.067 | 1.2723 | 0.0000 | 89.466 | 2.20726 | 0.00000 | 477803.7 | 89702.1 | 0.0 | U/P |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: Pond 1-100 Year/24 Hour Routing

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (fl datum) | Infiltration Rate ( $\mathrm{ft}^{3 / 1} \mathrm{~s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / 3}$ ) | Cumulative Inflow <br> Volume ( ${ }^{13}$ ) | Cumulative Infiltration Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{fl}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 18.089 | 1.2357 | 0.0000 | 89.464 | 2.20700 | 0.00000 | 477904.0 | 89878.7 | 0.0 | U/P |
| 18.111 | 1.1962 | 0.0000 | 89.462 | 2.20673 | 0.00000 | 478001.3 | 90055.2 | 0.0 | U/P |
| 18.133 | 1.1595 | 0.0000 | 89.460 | 2.20644 | 0.00000 | 478095.5 | 90231.7 | 0.0 | U/P |
| 18.156 | 1.1288 | 0.0000 | 89.458 | 2.20615 | 0.00000 | 478187.0 | 90408.2 | 0.0 | U/P |
| 18.178 | 1.1067 | 0.0000 | 89.455 | 2.20585 | 0.00000 | 478276.4 | 90584.7 | 0.0 | U/P |
| 18.200 | 1.0913 | 0.0000 | 89.453 | 2.20554 | 0.00000 | 478364.3 | 90761.2 | 0.0 | U/P |
| 18.222 | 1.0803 | 0.0000 | 88.451 | 2.20523 | 0.00000 | 478451.2 | 90937.6 | 0.0 | U/P |
| 18.244 | 1.0721 | 0.0000 | 89.448 | 2.20491 | 0.00000 | 478537.3 | 91114.0 | 0.0 | U/P |
| 18.267 | 1.0663 | 0.0000 | 88.446 | 2.20459 | 0.00000 | 478622.8 | 91290.4 | 0.0 | U/P |
| 18.289 | 1.0621 | 0.0000 | 89.444 | 2.20427 | 0.00000 | 478708.0 | 91466.8 | 0.0 | U/P |
| 18.311 | 1.0590 | 0.0000 | 89.441 | 2.20395 | 0.00000 | 478792.8 | 91643.1 | 0.0 | U/P |
| 18.333 | 1.0569 | 0.0000 | 89.439 | 2.20363 | 0.00000 | 478877.5 | 91819.4 | 0.0 | U/P |
| 18.356 | 1.0553 | 0.0000 | 88.436 | 2.20331 | 0.00000 | 478961.9 | 91995.7 | 0.0 | U/P |
| 18.378 | 1.0542 | 0.0000 | 88.434 | 2.20299 | 0.00000 | 479046.3 | 92171.9 | 0.0 | U/P |
| 18.400 | 1.0533 | 0.0000 | 88.432 | 2.20266 | 0.00000 | 479130.6 | 92348.1 | 0.0 | U/P |
| 18.422 | 1.0527 | 0.0000 | 89.429 | 2.20234 | 0.00000 | 479214.9 | 92524.3 | 0.0 | U/P |
| 18.444 | 1.0523 | 0.0000 | 89.427 | 2.20202 | 0.00000 | 479299.1 | 92700.5 | 0.0 | U/P |
| 18.467 | 1.0520 | 0.0000 | 89.424 | 2.20169 | 0.00000 | 479383.3 | 92876.7 | 0.0 | U/P |
| 18.489 | 1.0517 | 0.0000 | 89.422 | 2.20137 | 0.00000 | 479467.4 | 93052.8 | 0.0 | U/P |
| 18.511 | 1.0528 | 0.0000 | 89.419 | 2.20105 | 0.00000 | 479551.6 | 93228.9 | 0.0 | U/P |
| 18.533 | 1.0593 | 0.0000 | 89.417 | 2.20073 | 0.00000 | 479636.1 | 93405.0 | 0.0 | U/P |
| 18.556 | 1.0760 | 0.0000 | 89.415 | 2.20040 | 0.00000 | 479721.5 | 93581.0 | 0.0 | U/P |
| 18.578 | 1.1054 | 0.0000 | 89.412 | 2.20009 | 0.00000 | 479808.7 | 93757.0 | 0.0 | U/P |
| 18.600 | 1.1430 | 0.0000 | 89.410 | 2.19978 | 0.00000 | 479898.7 | 93933.0 | 0.0 | U/P |
| 18.622 | 1.1815 | 0.0000 | 89.408 | 2.19948 | 0.00000 | 479991.6 | 94109.0 | 0.0 | U/P |
| 18.644 | 1.2163 | 0.0000 | 89.406 | 2.19920 | 0.00000 | 480087.6 | 94284.9 | 0.0 | U/P |
| 18.667 | 1.2443 | 0.0000 | 89.404 | 2.19892 | 0.00000 | 480186.0 | 94460.9 | 0.0 | U/P |
| 18.689 | 1.2643 | 0.0000 | 89.402 | 2.19865 | 0.00000 | 480286.3 | 94636.8 | 0.0 | U/P |
| 18.711 | 1.2783 | 0.0000 | 89.400 | 2.19839 | 0.00000 | 480388.0 | 94812.6 | 0.0 | U/P |
| 18.733 | 1.2884 | 0.0000 | 89.398 | 2.19813 | 0.00000 | 480490.7 | 94988.5 | 0.0 | U/P |
| 18.756 | 1.2958 | 0.0000 | 89.396 | 2.19787 | 0.00000 | 480594.1 | 95164.3 | 0.0 | U/P |
| 18.778 | 1.3011 | 0.0000 | 89.394 | 2.19762 | 0.00000 | 480697.9 | 95340.2 | 0.0 | U/P |
| 18.800 | 1.3049 | 0.0000 | 89.392 | 2.19736 | 0.00000 | 480802.2 | 95516.0 | 0.0 | U/P |
| 18.822 | 1.3077 | 0.0000 | 89.390 | 2.19711 | 0.00000 | 480906.7 | 95691.7 | 0.0 | U/P |
| 18.844 | 1.3097 | 0.0000 | 89.388 | 2.19686 | 0.00000 | 481011.4 | 95867.5 | 0.0 | U/P |
| 18.867 | 1.3111 | 0.0000 | 89.387 | 2.19661 | 0.00000 | 481116.2 | 96043.2 | 0.0 | U/P |
| 18.889 | 1.3122 | 0.0000 | 89.385 | 2.19636 | 0.00000 | 481221.1 | 96219.0 | 0.0 | U/P |
| 18.911 | 1.3129 | 0.0000 | 89.383 | 2.19611 | 0.00000 | 481326.1 | 96394.7 | 0.0 | U/P |
| 18.933 | 1.3134 | 0.0000 | 89.381 | 2.19586 | 0.00000 | 481431.2 | 96570.3 | 0.0 | U/P |
| 18.956 | 1.3138 | 0.0000 | 89.379 | 2.19562 | 0.00000 | 481536.3 | 96746.0 | 0.0 | U/P |
| 18.978 | 1.3142 | 0.0000 | 89.377 | 2.19537 | 0.00000 | 481641.4 | 96921.6 | 0.0 | U/P |
| 19.000 | 1.3144 | 0.0000 | 89.375 | 2.19512 | 0.00000 | 481746.5 | 97097.3 | 0.0 | U/P |
| 19.022 | 1.3095 | 0.0000 | 89.374 | 2.19487 | 0.00000 | 481851.5 | 97272.8 | 0.0 | U/P |
| 19.044 | 1.2910 | 0.0000 | 89.372 | 2.19462 | 0.00000 | 481955.5 | 97448.4 | 0.0 | U/P |
| 19.067 | 1.2489 | 0.0000 | 89.370 | 2.19436 | 0.00000 | 482057.1 | 97624.0 | 0.0 | U/P |
| 19.089 | 1.1833 | 0.0000 | 89.368 | 2.19409 | 0.00000 | 482154.4 | 97799.5 | 0.0 | U/P |
| 19.111 | 1.1064 | 0.0000 | 89.365 | 2.19381 | 0.00000 | 482246.0 | 97975.0 | 0.0 | U/P |
| 19.133 | 1.0311 | 0.0000 | 89.363 | 2.19350 | 0.00000 | 482331.5 | 98150.5 | 0.0 | U/P |
| 19.156 | 0.9653 | 0.0000 | 89.361 | 2.19317 | 0.00000 | 482411.3 | 98326.0 | 0.0 | U/P |
| 19.178 | 0.9149 | 0.0000 | 89.358 | 2.19283 | 0.00000 | 482486.6 | 98501.4 | 0.0 | U/P |
| 19.200 | 0.8794 | 0.0000 | 89.355 | 2.19247 | 0.00000 | 482558.3 | 98676.9 | 0.0 | U/P |
| 19.222 | 0.8542 | 0.0000 | 89.352 | 2.19210 | 0.00000 | 482627.7 | 98852.2 | 0.0 | U/P |
| 19.244 | 0.8358 | 0.0000 | 89.349 | 2.19172 | 0.00000 | 482695.3 | 99027.6 | 0.0 | U/P |
| 19.267 | 0.8225 | 0.0000 | 89.347 | 2.19134 | 0.00000 | 482761.6 | 99202.9 | 0.0 | U/P |
| 19.289 | 0.8129 | 0.0000 | 89.344 | 2.19095 | 0.00000 | 482827.0 | 99378.2 | 0.0 | U/P |
| 19.311 | 0.8060 | 0.0000 | 89.341 | 2.19056 | 0.00000 | 482891.8 | 99553.5 | 0.0 | U/P |
| 19.333 | 0.8010 | 0.0000 | 89.338 | 2.19017 | 0.00000 | 482956.1 | 99728.7 | 0.0 | U/P |
| 19.356 | 0.7974 | 0.0000 | 89.335 | 2.18978 | 0.00000 | 483020.0 | 99903.9 | 0.0 | U/P |
| 19.378 | 0.7949 | 0.0000 | 89.332 | 2.18938 | 0.00000 | 483083.7 | 100079.1 | 0.0 | U/P |
| 19.400 | 0.7930 | 0.0000 | 89.329 | 2.18899 | 0.00000 | 483147.2 | 100254.2 | 0.0 | U/P |
| 19.422 | 0.7916 | 0.0000 | 89.326 | 2.18859 | 0.00000 | 483210.6 | 100429.3 | 0.0 | U/P |
| 19.444 | 0.7906 | 0.0000 | 89.323 | 2.18820 | 0.00000 | 483273.9 | 100604.4 | 0.0 | U/P |
| 19.467 | 0.7899 | 0.0000 | 89.320 | 2.18780 | 0.00000 | 483337.1 | 100779.4 | 0.0 | U/P |
| 19.489 | 0.7893 | 0.0000 | 89.317 | 2.18741 | 0.00000 | 483400.3 | 100954.4 | 0.0 | U/P |
| 19.511 | 0.7890 | 0.0000 | 89.314 | 2.18701 | 0.00000 | 483463.4 | 101129.4 | 0.0 | U/P |
| 19.533 | 0.7933 | 0.0000 | 89.311 | 2.18662 | 0.00000 | 483526.7 | 101304.3 | 0.0 | U/P |
| 19.556 | 0.8075 | 0.0000 | 89.308 | 2.18622 | 0.00000 | 483590.7 | 101479.3 | 0.0 | U/P |
| 19.578 | 0.8381 | 0.0000 | 89.305 | 2.18583 | 0.00000 | 483656.5 | 701654.1 | 0.0 | U/P |
| 19.600 | 0.8816 | 0.0000 | 89.303 | 2.18545 | 0.00000 | 483725.3 | 101829.0 | 0.0 | U/P |
| 19.622 | 0.9288 | 0.0000 | 89.300 | 2.18508 | 0.00000 | 483797.8 | 102003.8 | 0.0 | U/P |
| 19.644 | 0.9729 | 0.0000 | 89.297 | 2.18473 | 0.00000 | 483873.8 | 102178.6 | 0.0 | U/P |
| 19.667 | 1.0101 | 0.0000 | 89.295 | 2.18438 | 0.00000 | 483953.1 | 102353.4 | 0.0 | U/P |
| 19.689 | 1.0370 | 0.0000 | 89.292 | 2.18405 | 0.00000 | 484035.0 | 102528.1 | 0.0 | U/P |
| 19.711 | 1.0558 | 0.0000 | 89.290 | 2.18372 | 0.00000 | 484118.7 | 102702.8 | 0.0 | U/P |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: Pond 1-100 Year/24 Hour Routing

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Outside Recharge (fi/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{fl}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 19.733 | 1.0693 | 0.0000 | 89.288 | 2.18340 | 0.00000 | 484203.7 | 102877.5 | 0.0 | U/P |
| 19.756 | 1.0792 | 0.0000 | 89.285 | 2.18309 | 0.00000 | 484289.7 | 103052.2 | 0.0 | U/P |
| 19.778 | 1.0863 | 0.0000 | 89.283 | 2.18277 | 0.00000 | 484376.3 | 103226.8 | 0.0 | U/P |
| 19.800 | 1.0914 | 0.0000 | 89.281 | 2.18246 | 0.00000 | 484463.4 | 103401.4 | 0.0 | U/P |
| 19.822 | 1.0951 | 0.0000 | 89.278 | 2.18215 | 0.00000 | 484550.9 | 103576.0 | 0.0 | U/P |
| 19.844 | 1.0978 | 0.0000 | 89.276 | 2.18185 | 0.00000 | 484638.6 | 103750.5 | 0.0 | U/P |
| 19.867 | 1.0997 | 0.0000 | 89.274 | 2.18154 | 0.00000 | 484726.5 | 103925.1 | 0.0 | U/P |
| 19.889 | 1.1011 | 0.0000 | 89.271 | 2.18123 | 0.00000 | 484814.5 | 104099.6 | 0.0 | U/P |
| 19.911 | 1.1021 | 0.0000 | 89.269 | 2.18092 | 0.00000 | 484902.6 | 104274.1 | 0.0 | U/P |
| 19.933 | 1.1028 | 0.0000 | 89.267 | 2.18062 | 0.00000 | 484990.8 | 104448.5 | 0.0 | U/P |
| 19.956 | 1.1033 | 0.0000 | 89.264 | 2.18031 | 0.00000 | 485079.1 | 104623.0 | 0.0 | U/P |
| 19.978 | 1.1038 | 0.0000 | 89.262 | 2.18001 | 0.00000 | 485167.4 | 104797.4 | 0.0 | U/P |
| 20.000 | 1.1009 | 0.0000 | 89.260 | 2.17970 | 0.00000 | 485255.6 | 104971.8 | 0.0 | U/P |
| 20.022 | 1.0859 | 0.0000 | 89.258 | 2.17939 | 0.00000 | 485343.0 | 105146.1 | 0.0 | U/P |
| 20.044 | 1.0482 | 0.0000 | 89.255 | 2.17908 | 0.00000 | 485428.4 | 105320.5 | 0.0 | U/P |
| 20.067 | 0.9825 | 0.0000 | 89.253 | 2.17876 | 0.00000 | 485509.6 | 105494.8 | 0.0 | U/P |
| 20.089 | 0.8997 | 0.0000 | 89.250 | 2.17842 | 0.00000 | 485584.9 | 105669.1 | 0.0 | U/P |
| 20.111 | 0.8151 | 0.0000 | 89.247 | 2.17805 | 0.00000 | 485653.5 | 105843.3 | 0.0 | U/P |
| 20.133 | 0.7392 | 0.0000 | 89.244 | 2.17767 | 0.00000 | 485715.7 | 106017.6 | 0.0 | U/P |
| 20.156 | 0.6784 | 0.0000 | 89.241 | 2.17726 | 0.00000 | 485772.4 | 106191.8 | 0.0 | U/P |
| 20.178 | 0.6351 | 0.0000 | 89.238 | 2.17683 | 0.00000 | 485824.9 | 106365.9 | 0.0 | U/P |
| 20.200 | 0.6047 | 0.0000 | 89.235 | 2.17639 | 0.00000 | 485874.5 | 106540.1 | 0.0 | U/P |
| 20.222 | 0.5827 | 0.0000 | 89.231 | 2.17595 | 0.00000 | 485922.0 | 106714.1 | 0.0 | U/P |
| 20.244 | 0.5666 | 0.0000 | 89.228 | 2.17549 | 0.00000 | 485968.0 | 106888.2 | 0.0 | U/P |
| 20.267 | 0.5551 | 0.0000 | 89.224 | 2.17504 | 0.00000 | 486012.8 | 107062.2 | 0.0 | U/P |
| 20.289 | 0.5468 | 0.0000 | 89.221 | 2.17458 | 0.00000 | 486056.9 | 107236.2 | 0.0 | U/P |
| 20.311 | 0.5408 | 0.0000 | 89.218 | 2.17411 | 0.00000 | 486100.4 | 107410.2 | 0.0 | U/P |
| 20.333 | 0.5365 | 0.0000 | 89.214 | 2.17365 | 0.00000 | 486143.5 | 107584.1 | 0.0 | U/P |
| 20.356 | 0.5334 | 0.0000 | 89.211 | 2.17318 | 0.00000 | 486186.3 | 107757.9 | 0.0 | U/P |
| 20.378 | 0.5311 | 0.0000 | 89.207 | 2.17271 | 0.00000 | 486228.9 | 107931.8 | 0.0 | U/P |
| 20.400 | 0.5295 | 0.0000 | 89.204 | 2.17225 | 0.00000 | 486271.3 | 108105.6 | 0.0 | U/P |
| 20.422 | 0.5283 | 0.0000 | 89.200 | 2.17178 | 0.00000 | 486313.6 | 108279.3 | 0.0 | U/P |
| 20.444 | 0.5274 | 0.0000 | 89.197 | 2.17131 | 0.00000 | 486355.8 | 108453.1 | 0.0 | U/P |
| 20.467 | 0.5267 | 0.0000 | 89.193 | 2.17084 | 0.00000 | 486398.0 | 108626.8 | 0.0 | U/P |
| 20.489 | 0.5263 | 0.0000 | 89.190 | 2.17037 | 0.00000 | 486440.2 | 108800.4 | 0.0 | U/P |
| 20.511 | 0.5287 | 0.0000 | 89.186 | 2.16990 | 0.00000 | 486482.3 | 108974.0 | 0.0 | U/P |
| 20.533 | 0.5381 | 0.0000 | 89.183 | 2.16944 | 0.00000 | 486525.0 | 109147.6 | 0.0 | U/P |
| 20.556 | 0.5597 | 0.0000 | 89.179 | 2.16897 | 0.00000 | 486568.9 | 109321.1 | 0.0 | U/P |
| 20.578 | 0.5930 | 0.0000 | 89.176 | 2.16851 | 0.00000 | 486615.0 | 109494.6 | 0.0 | U/P |
| 20.600 | 0.6315 | 0.0000 | 89.172 | 2.16806 | 0.00000 | 486664.0 | 109668.1 | 0.0 | U/P |
| 20.622 | 0.6690 | 0.0000 | 89.169 | 2.16762 | 0.00000 | 486716.0 | 109841.5 | 0.0 | U/P |
| 20.644 | 0.7016 | 0.0000 | 89.166 | 2.16719 | 0.00000 | 486770.8 | \$10014.9 | 0.0 | U/P |
| 20.667 | 0.7265 | 0.0000 | 89.163 | 2.16678 | 0.00000 | 486828.0 | 110188.3 | 0.0 | U/P |
| 20.689 | 0.7440 | 0.0000 | 89.160 | 2.16636 | 0.00000 | 486886.8 | 110361.6 | 0.0 | U/P |
| 20.711 | 0.7564 | 0.0000 | 89.157 | 2.16596 | 0.00000 | 486946.8 | 110534.9 | 0.0 | U/P |
| 20.733 | 0.7655 | 0.0000 | 89.154 | 2.16555 | 0.00000 | 487007.7 | 110708.1 | 0.0 | U/P |
| 20.756 | 0.7720 | 0.0000 | 89.151 | 2.16515 | 0.00000 | 487069.2 | 110881.4 | 0.0 | U/P |
| 20.778 | 0.7767 | 0.0000 | 89.148 | 2.16475 | 0.00000 | 487131.1 | 111054.6 | 0.0 | U/P |
| 20.800 | 0.7802 | 0.0000 | 89.145 | 2.16436 | 0.00000 | 487193.4 | 111227.7 | 0.0 | U/P |
| 20.822 | 0.7826 | 0.0000 | 89.142 | 2.16396 | 0.00000 | 487255.9 | 111400.9 | 0.0 | U/P |
| 20.844 | 0.7844 | 0.0000 | 89.139 | 2.16357 | 0.00000 | 487318.6 | 111574.0 | 0.0 | U/P |
| 20.867 | 0.7857 | 0.0000 | 89.136 | 2.16317 | 0.00000 | 487381.4 | 111747.0 | 0.0 | U/P |
| 20.889 | 0.7866 | 0.0000 | 89.133 | 2.16278 | 0.00000 | 487444.3 | 111920.1 | 0.0 | U/P |
| 20.911 | 0.7872 | 0.0000 | 89.130 | 2.16238 | 0.00000 | 487507.3 | 112093.1 | 0.0 | U/P |
| 20.933 | 0.7877 | 0.0000 | 89.127 | 2.16199 | 0.00000 | 487570.3 | 112266.0 | 0.0 | U/P |
| 20.956 | 0.7881 | 0.0000 | 89.124 | 2.16160 | 0.00000 | 487633.3 | 112439.0 | 0.0 | U/P |
| 20.978 | 0.7884 | 0.0000 | 89.121 | 2.16120 | 0.00000 | 487696.3 | 112611.9 | 0.0 | U/P |
| 21.000 | 0.7886 | 0.0000 | 89.118 | 2.16081 | 0.00000 | 487759.4 | 112784.8 | 0.0 | U/P |
| 21.022 | 0.7847 | 0.0000 | 89.115 | 2.16041 | 0.00000 | 487822.3 | 112957.6 | 0.0 | U/P |
| 21.044 | 0.7725 | 0.0000 | 89.112 | 2.16002 | 0.00000 | 487884.6 | 113130.4 | 0.0 | U/P |
| 21.067 | 0.7465 | 0.0000 | 89.109 | 2.15962 | 0.00000 | 487945.4 | 113303.2 | 0.0 | U/P |
| 21.089 | 0.7099 | 0.0000 | 89.106 | 2.15922 | 0.00000 | 488003.7 | 113476.0 | 0.0 | U/P |
| 21.111 | 0.6705 | 0.0000 | 89.103 | 2.15880 | 0.00000 | 488058.9 | 113648.7 | 0.0 | U/P |
| 21.133 | 0.6338 | 0.0000 | 89.100 | 2.15837 | 0.00000 | 488111.0 | 113821.4 | 0.0 | U/P |
| 21.156 | 0.6031 | 0.0000 | 89.097 | 2.15794 | 0.00000 | 488160.5 | 113994.0 | 0.0 | U/P |
| 21.178 | 0.5810 | 0.0000 | 89.093 | 2.15749 | 0.00000 | 488207.9 | 114166.7 | 0.0 | U/P |
| 21.200 | 0.5657 | 0.0000 | 89.090 | 2.15704 | 0.00000 | 488253.8 | 114339.3 | 0.0 | U/P |
| 21.222 | 0.5546 | 0.0000 | 89.086 | 2.15658 | 0.00000 | 488298.6 | 114511.8 | 0.0 | U/P |
| 21.244 | 0.5465 | 0.0000 | 89.083 | 2.15612 | 0.00000 | 488342.6 | 114684.3 | 0.0 | U/P |
| 21.267 | 0.5407 | 0.0000 | 89.080 | 2.15566 | 0.00000 | 488386.1 | 114856.8 | 0.0 | U/P |
| 21.289 | 0.5365 | 0.0000 | 89.076 | 2.15520 | 0.00000 | 488429.2 | 115029.2 | 0.0 | U/P |
| 21.311 | 0.5334 | 0.0000 | 89.073 | 2.15473 | 0.00000 | 488472.0 | 115201.6 | 0.0 | U/P |
| 21.333 | 0.5313 | 0.0000 | 89.069 | 2.15427 | 0.00000 | 488514.6 | 115374.0 | 0.0 | U/P |
| 21.356 | 0.5297 | 0.0000 | 89.066 | 2.15380 | 0.00000 | 488557.0 | 115546.3 | 0.0 | U/P |

PONDS Version 3.2.0207

# Retention Pond Recovery - Refined Method <br> Copyright 2003 

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 1 - 100 Year $/ 24$ Hour Routing

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{fl}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 21.378 | 0.5286 | 0.0000 | 89.062 | 2.15333 | 0.00000 | 488599.3 | 115718.6 | 0.0 | U/P |
| 21.400 | 0.5277 | 0.0000 | 89.059 | 2.15286 | 0.00000 | 488641.6 | 115890.8 | 0.0 | U/P |
| 21.422 | 0.5271 | 0.0000 | 89.055 | 2.15240 | 0.00000 | 488683.8 | 116063.0 | 0.0 | U/P |
| 21.444 | 0.5267 | 0.0000 | 89.052 | 2.15193 | 0.00000 | 488725.9 | 116235.2 | 0.0 | U/P |
| 21.467 | 0.5264 | 0.0000 | 89.048 | 2.15146 | 0.00000 | 488768.1 | 116407.3 | 0.0 | U/P |
| 21.489 | 0.5261 | 0.0000 | 89.045 | 2.15099 | 0.00000 | 488810.2 | 116579.4 | 0.0 | U/P |
| 21.511 | 0.5285 | 0.0000 | 89.041 | 2.15053 | 0.00000 | 488852,3 | 116751.5 | 0.0 | U/P |
| 21.533 | 0.5416 | 0.0000 | 89.038 | 2.15006 | 0.00000 | 488895.2 | 116923.5 | 0.0 | U/P |
| 21.556 | 0.5748 | 0.0000 | 89.034 | 2.14960 | 0.00000 | 488939.8 | 117095.5 | 0.0 | U/P |
| 21.578 | 0.6337 | 0.0000 | 89.031 | 2.14915 | 0.00000 | 488988.2 | 117267.5 | 0.0 | U/P |
| 21.600 | 0.7087 | 0.0000 | 89.028 | 2.14871 | 0.00000 | 489041.8 | 117439.4 | 0.0 | U/P |
| 21.622 | 0.7857 | 0.0000 | 89.025 | 2.14830 | 0.00000 | 489101.6 | 117611.3 | 0.0 | U/P |
| 21.644 | 0.8553 | 0.0000 | 89.022 | 2.14790 | 0.00000 | 489167.3 | 117783.1 | 0.0 | U/P |
| 21.667 | 0.9112 | 0.0000 | 89.019 | 2.14753 | 0.00000 | 489237.9 | 117954.9 | 0.0 | U/P |
| 21.689 | 0.9510 | 0.0000 | 89.016 | 2.14717 | 0.00000 | 489312.4 | 118126.7 | 0.0 | U/P |
| 21.711 | 0.9790 | 0.0000 | 89.014 | 2.14683 | 0.00000 | 489389.6 | 118298.5 | 0.0 | U/P |
| 21.733 | 0.9992 | 0.0000 | 89.011 | 2.14649 | 0.00000 | 489468.8 | 118470.2 | 0.0 | U/P |
| 21.756 | 1.0140 | 0.0000 | 89.009 | 2.14616 | 0.00000 | 489549.3 | 118641.9 | 0.0 | U/P |
| 21.778 | 1.0246 | 0.0000 | 89.007 | 2.14583 | 0.00000 | 489630.8 | 118813.6 | 0.0 | U/P |
| 21.800 | 1.0323 | 0.0000 | 89.004 | 2.14551 | 0.00000 | 489713.1 | 118985.2 | 0.0 | U/P |
| 21.822 | 1.0378 | 0.0000 | 89.002 | 2.14519 | 0.00000 | 489795.9 | 119156.9 | 0.0 | U/P |
| 21.844 | 1.0417 | 0.0000 | 88.999 | 2.14487 | 0.00000 | 489879.1 | 119328.5 | 0.0 | U/P |
| 21.867 | 1.0446 | 0.0000 | 88.997 | 2.14455 | 0.00000 | 489962.5 | 119500.0 | 0.0 | U/P |
| 21.889 | 1.0467 | 0.0000 | 88.995 | 2.14423 | 0.00000 | 490046.2 | \$19671.6 | 0.0 | U/P |
| 21.911 | 1.0482 | 0.0000 | 88.992 | 2.14391 | 0.00000 | 490130.0 | 119843.1 | 0.0 | U/P |
| 21.933 | 1.0493 | 0.0000 | 88.990 | 2.14360 | 0.00000 | 490213.8 | 120014.6 | 0.0 | U/P |
| 21.956 | 1.0501 | 0.0000 | 88.988 | 2.14328 | 0.00000 | 490297.8 | 120186.1 | 0.0 | U/P |
| 21.978 | 1.0507 | 0.0000 | 88.985 | 2.14296 | 0.00000 | 490381.9 | 120357.5 | 0.0 | U/P |
| 22.000 | 1.0511 | 0.0000 | 88.983 | 2.14265 | 0.00000 | 490465.9 | 120529.0 | 0.0 | U/P |
| 22.022 | 1.0463 | 0.0000 | 88.980 | 2.14233 | 0.00000 | 490549.8 | 120700.4 | 0.0 | U/P |
| 22.044 | 1.0280 | 0.0000 | 88.978 | 2.14201 | 0.00000 | 490632.8 | 120871.7 | 0.0 | U/P |
| 22.067 | 0.9859 | 0.0000 | 88.976 | 2.14169 | 0.00000 | 490713.3 | 121043.1 | 0.0 | U/P |
| 22.089 | 0.9203 | 0.0000 | 88.973 | 2.14136 | 0.00000 | 490789.6 | 121214.4 | 0.0 | U/P |
| 22.111 | 0.8435 | 0.0000 | 88.970 | 2.14100 | 0.00000 | 490860.2 | 121385.7 | 0.0 | U/P |
| 22.133 | 0.7682 | 0.0000 | 88.967 | 2.14063 | 0.00000 | 490924.6 | 121557.0 | 0.0 | U/P |
| 22.156 | 0.7025 | 0.0000 | 88.964 | 2.14023 | 0.00000 | 490983.4 | 121728.2 | 0.0 | U/P |
| 22.178 | 0.6521 | 0.0000 | 88.961 | 2.13981 | 0.00000 | 491037.6 | 121899.4 | 0.0 | U/P |
| 22.200 | 0.6165 | 0.0000 | 88.958 | 2.13939 | 0.00000 | 491088.4 | 122070.6 | 0.0 | U/P |
| 22.222 | 0.5913 | 0.0000 | 88.955 | 2.13895 | 0.00000 | 491136.7 | $12224\} .7$ | 0.0 | U/P |
| 22.244 | 0.5730 | 0.0000 | 88.951 | 2.13850 | 0.00000 | 491183.3 | 122412.8 | 0.0 | U/P |
| 22.267 | 0.5597 | 0.0000 | 88.948 | 2.13804 | 0.00000 | 491228.6 | 122583.9 | 0.0 | U/P |
| 22.289 | 0.5501 | 0.0000 | 88.944 | 2.13759 | 0.00000 | 491273.0 | 122754.9 | 0.0 | U/P |
| 22.311 | 0.5432 | 0.0000 | 88.941 | 2.13713 | 0.00000 | 491316.7 | 122925.9 | 0.0 | U/P |
| 22.333 | 0.5382 | 0.0000 | 88.938 | 2.13667 | 0.00000 | 491359.9 | 123096.8 | 0.0 | U/P |
| 22.356 | 0.5347 | 0.0000 | 88.934 | 2.13620 | 0.00000 | 491402.8 | 123267.7 | 0.0 | U/P |
| 22.378 | 0.5321 | 0.0000 | 88.931 | 2.13574 | 0.00000 | 491445.5 | 123438.6 | 0.0 | U/P |
| 22.400 | 0.5302 | 0.0000 | 88.927 | 2.13527 | 0.00000 | 491488.0 | 123609.5 | 0.0 | U/P |
| 22.422 | 0.5288 | 0.0000 | 88.924 | 2.13481 | 0.00000 | 491530.4 | 123780.3 | 0.0 | U/P |
| 22.444 | 0.5278 | 0.0000 | 88.920 | 2.13434 | 0.00000 | 491572.7 | 123951.0 | 0.0 | U/P |
| 22.467 | 0.5271 | 0.0000 | 88.917 | 2.13388 | 0.00000 | 491614.8 | 124121.8 | 0.0 | U/P |
| 22.489 | 0.5265 | 0.0000 | 88.913 | 2.13341 | 0.00000 | 491657.0 | 124292.5 | 0.0 | U/P |
| 22.511 | 0.5262 | 0.0000 | 88.910 | 2.13294 | 0.00000 | 491699.1 | 124463.1 | 0.0 | U/P |
| 22.533 | 0.5303 | 0.0000 | 88.906 | 2.13248 | 0.00000 | 491741.3 | 124633.7 | 0.0 | U/P |
| 22.556 | 0.5439 | 0.0000 | 88.903 | 2.13201 | 0.00000 | 491784.3 | 124804.3 | 0.0 | U/P |
| 22.578 | 0.5732 | 0.0000 | 88.899 | 2.13155 | 0.00000 | 491829.0 | 124974.8 | 0.0 | U/P |
| 22.600 | 0.6148 | 0.0000 | 88.896 | 2.13110 | 0.00000 | 491876.5 | 125145.4 | 0.0 | U/P |
| 22.622 | 0.6600 | 0.0000 | 88.893 | 2.13066 | 0.00000 | 491927.5 | 125315.8 | 0.0 | U/P |
| 22.644 | 0.7023 | 0.0000 | 88.890 | 2.13023 | 0.00000 | 491982.0 | 125486.3 | 0.0 | U/P |
| 22.667 | 0.7379 | 0.0000 | 88.887 | 2.12982 | 0.00000 | 492039.6 | 125656.7 | 0.0 | U/P |
| 22.689 | 0.7637 | 0.0000 | 88.884 | 2.12941 | 0.00000 | 492099.7 | 125827.0 | 0.0 | U/P |
| 22.711 | 0.7817 | 0.0000 | 88.881 | 2.12901 | 0.00000 | 492161.5 | 125997.4 | 0.0 | U/P |
| 22.733 | 0.7945 | 0.0000 | 88.878 | 2.12862 | 0.00000 | 492224.5 | 126167.7 | 0.0 | U/P |
| 22.756 | 0.8041 | 0.0000 | 88.875 | 2.12823 | 0.00000 | 492288.5 | 126337.9 | 0.0 | U/P |
| 22.778 | 0.8108 | 0.0000 | 88.872 | 2.12785 | 0.00000 | 492353.1 | 126508.2 | 0.0 | U/P |
| 22.800 | 0.8158 | 0.0000 | 88.869 | 2.12747 | 0.00000 | 492418.2 | 126678.4 | 0.0 | U/P |
| 22.822 | 0.8193 | 0.0000 | 88.866 | 2.12708 | 0.00000 | 492483.5 | 126848.6 | 0.0 | U/P |
| 22.844 | 0.8218 | 0.0000 | 88.863 | 2.12670 | 0.00000 | 492549.2 | 127018.7 | 0.0 | U/P |
| 22.867 | 0.8237 | 0.0000 | 88.860 | 2.12632 | 0.00000 | 492615.0 | 127188.9 | 0.0 | U/P |
| 22.889 | 0.8250 | 0.0000 | 88.858 | 2.12594 | 0.00000 | 492681.0 | 127358.9 | 0.0 | U/P |
| 22.911 | 0.8260 | 0.0000 | 88.855 | 2.12556 | 0.00000 | 492747.0 | 127529.0 | 0.0 | U/P |
| 22.933 | 0.8267 | 0.0000 | 88.852 | 2.12519 | 0.00000 | 492813.1 | 127699.0 | 0.0 | U/P |
| 22.956 | 0.8272 | 0.0000 | 88.849 | 2.12481 | 0.00000 | 492879.3 | 127869.0 | 0.0 | U/P |
| 22.978 | 0.8276 | 0.0000 | 88.846 | 2.12443 | 0.00000 | 492945.4 | 128039.0 | 0.0 | U/P |
| 23.000 | 0.8248 | 0.0000 | 88.844 | 2.12405 | 0.00000 | 493011.5 | 128208.9 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 1 - 100 Year / 24 Hour Routing

| Elapsed Time (hours) | Inflow Rate (fis/s) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume $\left(\mathrm{ft}^{3}\right)$ | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 23.022 | 0.8101 | 0.0000 | 88.841 | 2.12367 | 0.00000 | 493076.9 | 128378.9 | 0.0 | U/P |
| 23.044 | 0.7733 | 0.0000 | 88.838 | 2.12329 | 0.00000 | 493140.3 | 128548.7 | 0.0 | U/P |
| 23.067 | 0.7091 | 0.0000 | 88.835 | 2.12289 | 0.00000 | 493199.6 | 1287 18.6 | 0.0 | U/P |
| 23.089 | 0.6282 | 0.0000 | 88.832 | 2.12248 | 0.00000 | 493253.1 | 128888.4 | 0.0 | U/P |
| 23.111 | 0.5456 | 0.0000 | 88.828 | 2.12204 | 0.00000 | 493300.0 | 129058.2 | 0.0 | U/P |
| 23.133 | 0.4714 | 0.0000 | 88.825 | 2.12158 | 0.00000 | 493340.7 | 129227.9 | 0.0 | U/P |
| 23.156 | 0.4120 | 0.0000 | 88.821 | 2.12110 | 0.00000 | 493376.0 | 129397.6 | 0.0 | U/P |
| 23.178 | 0.3698 | 0.0000 | 88.817 | 2.12060 | 0.00000 | 493407.3 | 129567.3 | 0.0 | U/P |
| 23.200 | 0.3401 | 0.0000 | 88.813 | 2.12009 | 0.00000 | 493435.7 | 129736.9 | 0.0 | U/P |
| 23.222 | 0.3186 | 0.0000 | 88.809 | 2.11957 | 0.00000 | 493462.0 | 129906.5 | 0.0 | U/P |
| 23.244 | 0.3029 | 0.0000 | 88.806 | 2.11905 | 0.00000 | 493486.9 | 130076.1 | 0.0 | U/P |
| 23.267 | 0.2917 | 0.0000 | 88.802 | 2.11852 | 0.00000 | 493510.7 | 130245.6 | 0.0 | U/P |
| 23.289 | 0.2835 | 0.0000 | 88.798 | 2.11798 | 0.00000 | 493533.7 | 130415.0 | 0.0 | U/P |
| 23.311 | 0.2777 | 0.0000 | 88.794 | 2.11745 | 0.00000 | 493556.1 | 130584.4 | 0.0 | U/P |
| 23.333 | 0.2735 | 0.0000 | 88.790 | 2.11691 | 0.00000 | 493578.2 | 130753.8 | 0.0 | U/P |
| 23.356 | 0.2704 | 0.0000 | 88.785 | 2.11637 | 0.00000 | 493599.9 | 130923.1 | 0.0 | U/P |
| 23.378 | 0.2682 | 0.0000 | 88.781 | 2.11583 | 0.00000 | 493621.5 | 131092.4 | 0.0 | U/P |
| 23.400 | 0.2666 | 0.0000 | 88.777 | 2.11529 | 0.00000 | 493642.9 | 131261.7 | 0.0 | U/P |
| 23.422 | 0.2654 | 0.0000 | 88.773 | 2.11475 | 0.00000 | 493664.2 | 131430.9 | 0.0 | U/P |
| 23.444 | 0.2646 | 0.0000 | 88.769 | 2.11421 | 0.00000 | 493685.3 | 131600.0 | 0.0 | U/P |
| 23.467 | 0.2639 | 0.0000 | 88.765 | 2.11367 | 0.00000 | 493706.5 | 131769.2 | 0.0 | U/P |
| 23.489 | 0.2635 | 0.0000 | 88.761 | 2.11312 | 0.00000 | 493727.6 | 131938.2 | 0.0 | U/P |
| 23.511 | 0.2632 | 0.0000 | 88.757 | 2.11258 | 0.00000 | 493748.7 | 132107.3 | 0.0 | U/P |
| 23.533 | 0.2631 | 0.0000 | 88.753 | 2.11204 | 0.00000 | 493769.7 | 132276.2 | 0.0 | U/P |
| 23.556 | 0.2630 | 0.0000 | 88.749 | 2.11150 | 0.00000 | 493790.8 | 132445.2 | 0.0 | U/P |
| 23.578 | 0.2630 | 0.0000 | 88.745 | 2.11096 | 0.00000 | 493811.8 | 132614.1 | 0.0 | U/P |
| 23.600 | 0.2630 | 0.0000 | 88.741 | 2.11041 | 0.00000 | 493832.8 | 132782.9 | 0.0 | U/P |
| 23.622 | 0.2629 | 0.0000 | 88.737 | 2.10987 | 0.00000 | 493853.9 | 132951.7 | 0.0 | U/P |
| 23.644 | 0.2629 | 0.0000 | 88.733 | 2.10933 | 0.00000 | 493874.9 | 133120.5 | 0.0 | U/P |
| 23.667 | 0.2629 | 0.0000 | 88.729 | 2.10879 | 0.00000 | 493895.9 | 133289.2 | 0.0 | U/P |
| 23.689 | 0.2629 | 0.0000 | 88.725 | 2.10825 | 0.00000 | 493917.0 | 133457.9 | 0.0 | U/P |
| 23.711 | 0.2628 | 0.0000 | 88.721 | 2.10770 | 0.00000 | 493938.0 | 133626.5 | 0.0 | U/P |
| 23.733 | 0.2628 | 0.0000 | 88.717 | 2.10716 | 0.00000 | 493959.0 | 133795.1 | 0.0 | U/P |
| 23.756 | 0.2628 | 0.0000 | 88.713 | 2.10662 | 0.00000 | 493980.0 | 133963.7 | 0.0 | U/P |
| 23.778 | 0.2628 | 0.0000 | 88.709 | 2.10608 | 0.00000 | 494001.1 | 134132.2 | 0.0 | U/P |
| 23.800 | 0.2628 | 0.0000 | 88.704 | 2.10554 | 0.00000 | 494022.1 | 134300.7 | 0.0 | U/P |
| 23.822 | 0.2628 | 0.0000 | 88.700 | 2.10499 | 0.00000 | 494043.1 | 134469.1 | 0.0 | U/P |
| 23.844 | 0.2628 | 0.0000 | 88.696 | 2.10445 | 0.00000 | 494064.2 | 134637.5 | 0.0 | U/P |
| 23.867 | 0.2628 | 0.0000 | 88.692 | 2.10391 | 0.00000 | 494085.2 | 134805.8 | 0.0 | U/P |
| 23.889 | 0.2628 | 0.0000 | 88.688 | 2.10337 | 0.00000 | 494106.2 | 134974.1 | 0.0 | U/P |
| 23.911 | 0.2628 | 0.0000 | 88.684 | 2.10283 | 0.00000 | 494127.2 | 135142.3 | 0.0 | U/P |
| 23.933 | 0.2628 | 0.0000 | 88.680 | 2.10228 | 0.00000 | 494148.3 | 135310.5 | 0.0 | U/P |
| 23.956 | 0.2628 | 0.0000 | 88.676 | 2.10174 | 0.00000 | 494169.3 | 135478.7 | 0.0 | U/P |
| 23.978 | 0.2628 | 0.0000 | 88.672 | 2.10120 | 0.00000 | 494190.3 | 135646.8 | 0.0 | U/P |
| 24.000 | 0.2628 | 0.0000 | 88.668 | 2.10066 | 0.00000 | 494211.3 | 135814.9 | 0.0 | U/P |
| 24.022 | 0.2589 | 0.0000 | 88.664 | 2.10012 | 0.00000 | 494232.2 | 135982.9 | 0.0 | U/P |
| 24.044 | 0.2467 | 0.0000 | 88.660 | 2.09957 | 0.00000 | 494252.4 | 136150.9 | 0.0 | U/P |
| 24.067 | 0.2206 | 0.0000 | 88.656 | 2.09903 | 0.00000 | 494271.1 | 136318.9 | 0.0 | U/P |
| 24.089 | 0.1840 | 0.0000 | 88.652 | 2.09847 | 0.00000 | 494287.3 | 136486.8 | 0.0 | U/P |
| 24.111 | 0.1446 | 0.0000 | 88.647 | 2.09791 | 0.00000 | 494300.4 | 136654.6 | 0.0 | U/P |
| 24.133 | 0.1080 | 0.0000 | 88.643 | 2.09733 | 0.00000 | 494310.5 | 136822.4 | 0.0 | U/P |
| 24.156 | 0.0772 | 0.0000 | 88.639 | 2.09674 | 0.00000 | 494317.9 | 136990.2 | 0.0 | U/P |
| 24.178 | 0.0552 | 0.0000 | 88.634 | 2.09615 | 0.00000 | 494323.2 | 137157.9 | 0.0 | U/P |
| 24.200 | 0.0398 | 0.0000 | 88.629 | 2.09554 | 0.00000 | 494327.0 | 137325.6 | 0.0 | U/P |
| 24.222 | 0.0288 | 0.0000 | 88.625 | 2.09494 | 0.00000 | 494329.8 | 137493.2 | 0.0 | U/P |
| 24.244 | 0.0206 | 0.0000 | 88.620 | 2.09433 | 0.00000 | 494331.8 | 137660.8 | 0.0 | U/P |
| 24.267 | 0.0148 | 0.0000 | 88.616 | 2.09371 | 0.00000 | 494333.2 | 137828.3 | 0.0 | U/P |
| 24.289 | 0.0106 | 0.0000 | 88.611 | 2.09310 | 0.00000 | 494334.2 | 137995.8 | 0.0 | U/P |
| 24.311 | 0.0076 | 0.0000 | 88.607 | 2.09248 | 0.00000 | 494334.9 | 138163.2 | 0.0 | U/P |
| 24.333 | 0.0054 | 0.0000 | 88.602 | 2.09187 | 0.00000 | 494335.4 | 138330.6 | 0.0 | U/P |
| 24.356 | 0.0038 | 0.0000 | 88.597 | 2.09125 | 0.00000 | 494335.8 | 138497.9 | 0.0 | U/P |
| 24.378 | 0.0027 | 0.0000 | 88.593 | 2.09063 | 0.00000 | 494336.0 | 138665.2 | 0.0 | U/P |
| 24.400 | 0.0018 | 0.0000 | 88.588 | 2.09001 | 0.00000 | 494336.2 | 138832.4 | 0.0 0.0 | U/P |
| 24.422 | 0.0013 | 0.0000 | 88.583 | 2.08939 | 0.00000 | 494336.3 | 138999.6 | 0.0 | U/P |
| 24.444 | 0.0008 | 0.0000 | 88.579 | 2.08877 | 0.00000 | 494336.4 | 139166.7 1393338 | 0.0 0.0 | U/P |
| 24.467 | 0.0005 | 0.0000 | 88.574 | 2.08815 | 0.00000 | 494336.5 494336.5 | 139333.8 139500.8 | 0.0 0.0 | U/P |
| 24.489 | 0.0002 | 0.0000 | 88.570 | 2.08754 | 0.00000 | 494336.5 | 139500.8 | 0.0 | U/P |
| 24.511 | 0.0001 | 0.0000 | 88.565 | 2.08692 | 0.00000 | 494336.5 | 139667.8 | 0.0 | U/P |
| 24.533 | 0.0000 | 0.0000 | 88.560 | 2.08630 2.08568 | 0.00000 0.00000 | 494336.5 | 139834.7 | 0.0 | U/P |
| 24.556 | 0.0000 | 0.0000 | 88.556 | 2.08568 | 0.00000 | 494336.5 | \$40168.4 | 0.0 | U/P |
| 24.578 | 0.0000 | 0.0000 | 88.551 | 2.08575 | 0.00000 | 494336.5 | 340168.4 3557058 | 0.0 |  |
| 48.578 | 0.0000 | 0.0000 | 80.896 | 1.51524 | 0.00000 | 494336.5 | 355705.8 | 0.0 | U/S |
| 72.578 | 0.0000 | 0.0000 | 78.440 | 0.42627 | 0.00000 | 494336.5 | 402001.3 | 0.0 | S |
| 96.578 | 0.0000 | 0.0000 | 76.683 | 0.26500 | 0.00000 | 494336.5 | 429365.2 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: Pond 1-100 Year/24 Hour Routing

| Elapsed Time (hours) | Inflow Rate (ft1/s) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate (f $\mathrm{f}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Voiume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $f^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 120.578 | 0.0000 | 0.0000 | 75.295 | 0.18309 | 0.00000 | 494336.5 | 447793.5 | 0.0 | S |
| 144.578 | 0.0000 | 0.0000 | 74.149 | 0.13319 | 0.00000 | 494336.5 | 461002.9 | 0.0 | S |
| 168.578 | 0.0000 | 0.0000 | 73.177 | 0.09976 | 0.00000 | 494336.5 | 470809.0 | 0.0 | S |
| 192,578 | 0.0000 | 0.0000 | 72.335 | 0.07613 | 0.00000 | 494336.5 | 478242.3 | 0.0 | S |
| 216.578 | 0.0000 | 0.0000 | 71.599 | 0.05915 | 0.00000 | 494336.5 | 483964.6 | 0.0 | S |
| 240.578 | 0.0000 | 0.0000 | 70.956 | 0.04680 | 0.00000 | 494336.5 | 488462.9 | 0.0 | S |
| 264.578 | 0.0000 | 0.0000 | 70.391 | 0.03399 | 0.00000 | 494336.5 | 492052.2 | 0.0 | S |
| 288.578 | 0.0000 | 0.0000 | 69.915 | 0.01322 | 0.00000 | 494336.5 | 494336.5 | 0.0 | S |
| 312.578 | 0.0000 | 0.0000 | 69.574 | 0.00000 | 0.00000 | 494336.5 | 494336.5 | 0.0 | S |
| 336.578 | 0.0000 | 0.0000 | 69.261 | 0.00000 | 0.00000 | 494336.5 | 494336.5 | 0.0 | S |
| 360.578 | 0.0000 | 0.0000 | 68.975 | ---- | ---- | 494336.5 | 494336.5 | 0.0 | N.A. |

# PONDS Routing and Recovery Analysis 

## Buildout Results

Pond 2<br>100-year / 24-Hour Storm

Input Report<br>Summary of Results Detailed Results

(Pond dry at Hour 288)

## Project Data

Project Name: Vista Landfill Redesign
Simulation Description: Pond 2100 Year / 24 Hour Routing and Recovery Analysis w/ infiltration
Project Number: ..... 10-2141
Engineer : ..... cms
Supervising Engineer: ..... cms
Date: ..... 01-06-2011
Aguifer Data
Base Of Aquifer Elevation, $[\mathrm{B}]$ ( ft datum): ..... 59.00
Water Table Elevation, [WT] (ft datum): ..... 60.00
Horizontal Saturated Hydraulic Conductivity, [Kh] (ft/day): ..... 15.00
Fillable Porosity, [n] (\%): ..... 20.00
Unsaturated Vertical Infiltration Rate, [lv] (ft/day): ..... 5.0
Maximum Area For Unsaturated Infiltration, [Av] ( $\mathrm{ft}^{2}$ ): ..... 162959.0
Geometry Data
Equivalent Pond Length, $[\mathrm{L}](\mathrm{ft})$ : ..... 1000.0
Equivalent Pond Width, [W] (ft): ..... 200.0
Ground water mound is expected to intersect the pond bottom

## Stage vs Area Data

| Stage <br> $(\mathrm{ft}$ datum) | Area <br> $\left(\mathrm{ft}^{2}\right)$ |
| ---: | ---: |
|  | 84156.0 |
| 72.00 | 93884.0 |
| 74.00 | 106712.0 |
| 76.00 | 117669.0 |
| 78.00 | 128837.0 |
| 80.00 | 140115.0 |
| 82.00 | 151383.0 |
| 84.00 | 162959.0 |

## Discharge Structures

## Discharge Structure \#1 is inactive

Discharge Structure \#2 is inactive
Discharge Structure \#3 is inactive

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

## Scenario Input Data

Scenario 1 :: Pond 2-100 Year $/ 24$ Hour Routing
Hydrograph Type: Inline SCS
Repetitions: 1
Basin Area (acres) ..... 19.010
Time Of Concentration (minutes) ..... 10.0
DCIA (\%) ..... 0.0
Curve Number ..... 98
Design Rainfall Depth (inches) ..... 10.6
Design Rainfall Duration (hours) ..... 24.0 ..... 24.0
Shape FactorUHG 484
Rainfall Distribution Orange County 100 Year - 24 Hour
Initial ground water level (ft datum) default, 60.00
Time After
Storm Event(days)11.00014.000

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Summary of Results :: Scenario 1 :: Pond 2-100 Year $/ 24$ Hour Routing

|  | Time (hours) | Stage (ft datum) | Rate $\left(\mathrm{ft}^{3} / \mathrm{s}\right)$ | Volume (ft ${ }^{3}$ ) |
| :---: | :---: | :---: | :---: | :---: |
| Stage |  |  |  |  |
| Minimum | 0.000 | 60.00 |  |  |
| Maximum | 13.244 | 74.53 |  |  |
| Inflow |  |  |  |  |
| Rate - Maximum - Positive | 9.000 |  | 41.8093 |  |
| Rate - Maximum - Negative | None |  | None |  |
| Cumulative Volume - Maximum Positive | 24.489 |  |  | 715170.3 |
| Cumulative Volume - Maximum Negative | None |  |  | None |
| Cumulative Volume - End of Simulation | 360.578 |  |  | 715170.3 |
| Infiltration 109195 |  |  |  |  |
| Rate - Maximum - Positive | 23.778 |  | 19.9195 |  |
| Rate - Maximum - Negative | None |  | None |  |
| Cumulative Volume - Maximum Positive | 288.578 |  |  | 715170.3 |
| Cumulative Volume - Maximum Negative | None |  |  | None |
| Cumulative Volume - End of Simulation | 360.578 |  |  | 715170.3 |
| Combined Discharge None |  |  |  |  |
| Rate - Maximum - Positive | None |  | None |  |
| Rate - Maximum - Negative | None |  | None |  |
| Cumulative Volume - Maximum Positive | None |  |  | None |
| Cumulative Volume - Maximum Negative | None |  |  | None |
| Cumulative Volume - End of Simulation | 360.578 |  |  | 0.0 |
| Discharge Structure 1 - inactive disabled |  |  |  |  |
| Rate - Maximum - Positive | disabled |  | disabled disabled |  |
| Rate - Maximum - Negative | disabled |  |  |  |
| Cumulative Volume - Maximum Positive | disabled |  |  |  |
| Cumulative Volume - Maximum Negative Cumulative Volume - End of Simulation | disabled disabled |  |  | disabled disabled |
| Discharge Structure 2 - inactive disabled |  |  |  |  |
| Rate - Maximum - Positive | disabled |  | disabled |  |
| Rate - Maximum - Negative | disabled |  | disabled |  |
| Cumulative Volume - Maximum Positive | disabled |  |  | disabled |
| Cumulative Volume - Maximum Negative | disabled |  |  | disabled |
| Cumulative Volume - End of Simulation | disabled |  |  | disabled |
| Discharge Structure 3 - inactive disabled |  |  |  |  |
| Rate - Maximum - Positive | disabled |  | disabled |  |
| Rate - Maximum - Negative | disabled |  | disabled |  |
| Cumulative Volume - Maximum Positive | disabled |  |  |  |
| Cumulative Volume - Maximum Negative | disabled |  |  | disabled disabled |
| Cumulative Volume - End of Simulation | disabled |  |  | disabled |
| Pollution Abatement: |  |  |  |  |
| 36 Hour Stage and Infiltration Volume | N.A. | N.A. |  | N.A. |
| 72 Hour Stage and Infiltration Volume | N.A. | N.A. |  | N.A. |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results :: Scenario 1 :: Pond 2-100 Year/24 Hour Routing

| Elapsed Time (hours) | Innow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (fi datum) | Infiltration Rate ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Overlow Discharge (fils) | Cumulative inflow Volume (fil ${ }^{3}$ | Cumulative infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 0.000 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | N.A. |
| 0.022 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.044 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.067 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.089 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.111 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.133 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.156 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.178 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.200 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.222 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.244 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.267 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.289 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.311 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.333 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.356 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.378 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.400 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.422 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.444 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.467 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.489 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.511 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.533 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.556 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.578 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.600 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.622 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.644 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.667 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.689 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.711 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.733 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.756 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.778 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.800 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.822 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.844 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.867 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.889 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.911 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.933 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.956 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.978 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.000 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.022 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.044 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.067 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.089 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.111 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.133 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.156 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.178 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.200 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.222 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.244 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.267 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.289 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.311 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 0.0 | U |
| 1.333 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.356 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 0.0 | U |
| 1.378 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 0.0 | 0.0 0.0 | U |
| 1.400 | 0.0000 | 0.0000 | 60.000 | 0,00000 | 0.00000 | 0.0 | 0.0 0.0 | 0.0 0.0 | U |
| 1.422 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 0.0 | 0.0 | U |
| 1.444 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 0.00000 | 0.0 0.0 | 0.0 0.0 | 0.0 0.0 | U |
| 1.467 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 0.0 | 0.0 0.0 | 0.0 0.0 | U |
| 1.489 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 0.00000 | 0.0 0.0 | 0.0 0.0 | 0.0 0.0 | U |
| 1.511 | 0.0000 | 0.0000 | 60.000 60.000 | 0.00001 0.00018 | 0.00000 0.00000 | 0.0 0.0 | 0.0 0.0 | 0.0 | U |
| 1.533 | 0.0001 | 0.0000 0.0000 | 60.000 60.000 | 0.00018 0.00097 | 0.00000 0.00000 | 0.0 0.0 | 0.0 0.0 | 0.0 | U |
| 1.556 1.578 | 0.0006 0.0026 | 0.0000 0.0000 | 60.000 60.000 | 0.000329 | 0.00000 | 0.2 | 0.2 | 0.0 | U |
| 1.600 | 0.0073 | 0.0000 | 60.000 | 0.00829 | 0.00000 | 0.6 | 0.6 | 0.0 | U |
| 1.622 | 0.0159 | 0.0000 | 60.000 | 0.01686 | 0.00000 | 1.5 | 1.5 | 0.0 | U |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 2 - 100 Year/24 Hour Routing

| Elapsed Time (hours) | Inflow Rate <br> ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Outside Recharge (ftday) | Stage Elevation ( f datum) | infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{ft} 3 / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Fiow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1.644 | 0.0284 | 0.0000 | 60.000 | 0.02927 | 0.00000 | 3.3 | 3.3 | 0.0 | U |
| 1.667 | 0.0445 | 0.0000 | 60.000 | 0.04520 | 0.00000 | 6.2 | 6.2 | 0.0 | U |
| 1.689 | 0.0635 | 0.0000 | 60.000 | 0.06394 | 0.00000 | 10.5 | 10.5 | 0.0 | U |
| 1.711 | 0.0843 | 0.0000 | 60.001 | 0.08464 | 0.00000 | 16.4 | 16.4 | 0.0 | U |
| 1.733 | 0.1064 | 0.0000 | 60.001 | 0.10655 | 0.00000 | 24.0 | 24.0 | 0.0 | U |
| 1.756 | 0.1291 | 0.0000 | 60.001 | 0.12914 | 0.00000 | 33.4 | 33.4 | 0.0 | U |
| 1.778 | 0.1521 | 0.0000 | 60.001 | 0.15207 | 0.00000 | 44.7 | 44.7 | 0.0 | U |
| 1.800 | 0.1751 | 0.0000 | 60.002 | 0.17506 | 0.00000 | 57.8 | 57.8 | 0.0 | U |
| 1.822 | 0.1980 | 0.0000 | 60.002 | 0.19795 | 0.00000 | 72.7 | 72.7 | 0.0 | U |
| 1.844 | 0.2207 | 0.0000 | 60.003 | 0.22060 | 0.00000 | 89.4 | 89.4 | 0.0 | U |
| 1.867 | 0.2430 | 0.0000 | 60.003 | 0.24293 | 0.00000 | 108.0 | 108.0 | 0.0 | U |
| 1.889 | 0.2650 | 0.0000 | 60.004 | 0.26489 | 0.00000 | 128.3 | 128.3 | 0.0 | U |
| 1.911 | 0.2865 | 0.0000 | 60.005 | 0.28643 | 0.00000 | 150.4 | 150.4 | 0.0 | U |
| 1.933 | 0.3077 | 0.0000 | 60.005 | 0.30754 | 0.00000 | 174.1 | 174.1 | 0.0 | U |
| 1.956 | 0.3283 | 0.0000 | 60.006 | 0.32821 | 0.00000 | 199.6 | 199.6 | 0.0 | U |
| 1.978 | 0.3485 | 0.0000 | 60.007 | 0.34871 | 0.00000 | 226.7 | 226.7 | 0.0 | U |
| 2.000 | 0.3694 | 0.0000 | 60.008 | 0.37045 | 0.00000 | 255.4 | 255.4 | 0.0 | U |
| 2.022 | 0.3944 | 0.0000 | 60.009 | 0.39644 | 0.00000 | 285.9 | 285.9 | 0.0 | U |
| 2.044 | 0.4276 | 0.0000 | 60.010 | 0.43028 | 0.00000 | 318.8 | 318.8 | 0.0 | U |
| 2.067 | 0.4716 | 0.0000 | 60.011 | 0.47358 | 0.00000 | 354.8 | 354.8 | 0.0 | U |
| 2.089 | 0.5235 | 0.0000 | 60.012 | 0.52415 | 0.00000 | 394.6 | 394.6 | 0.0 | U |
| 2.111 | 0.5779 | 0.0000 | 60.013 | 0.57763 | 0.00000 | 438.6 | 438.6 | 0.0 | U |
| 2.133 | 0.6311 | 0.0000 | 60.015 | 0.63013 | 0.00000 | 487.0 | 487.0 | 0.0 | U |
| 2.156 | 0.6803 | 0.0000 | 60.017 | 0.67895 | 0.00000 | 539.5 | 539.5 | 0.0 | U |
| 2.178 | 0.7241 | 0.0000 | 60.018 | 0.72300 | 0.00000 | 595.6 | 595.6 | 0.0 | U |
| 2.200 | 0.7636 | 0.0000 | 60.020 | 0.76280 | 0.00000 | 655.1 | 655.1 | 0.0 | U |
| 2.222 | 0.8000 | 0.0000 | 60.022 | 0.79942 | 0.00000 | 717.7 | 717.7 | 0.0 | U |
| 2.244 | 0.8341 | 0.0000 | 60.024 | 0.83359 | 0.00000 | 783.0 | 783.0 | 0.0 | U |
| 2.267 | 0.8662 | 0.0000 | 60.026 | 0.86574 | 0.00000 | 851.1 | 851.1 | 0.0 | U |
| 2.289 | 0.8966 | 0.0000 | 60.028 | 0.89620 | 0.00000 | 921.6 | 921.6 | 0.0 | U |
| 2.311 | 0.9255 | 0.0000 | 60.031 | 0.92523 | 0.00000 | 994.5 | 994.5 | 0.0 | U |
| 2.333 | 0.9533 | 0.0000 | 60.033 | 0.95302 | 0.00000 | 1069.6 | 1069.6 | 0.0 | U |
| 2.356 | 0.9800 | 0.0000 | 60.035 | 0.97974 | 0.00000 | 1146.9 | 1146.9 | 0.0 | U |
| 2.378 | 1.0057 | 0.0000 | 60.038 | 1.00549 | 0.00000 | 1226.4 | 1226.4 | 0.0 | U |
| 2.400 | 1.0306 | 0.0000 | 60.040 | 1.03035 | 0.00000 | 1307.8 | 1307.8 | 0.0 | U |
| 2.422 | 1.0546 | 0.0000 | 60.043 | 1.05441 | 0.00000 | 1391.2 | 1391.2 | 0.0 | U |
| 2.444 | 1.0779 | 0.0000 | 60.045 | 1.07773 | 0.00000 | 1476.5 | 1476.5 | 0.0 | U |
| 2.467 | 1.1005 | 0.0000 | 60.048 | 1.10034 | 0.00000 | 1563.7 | 1563.7 | 0.0 | U |
| 2.489 | 1.1225 | 0.0000 | 60.051 | 1.12336 | 0.00000 | 1652.6 | 1652.6 | 0.0 | U |
| 2.511 | 1.1480 | 0.0000 | 60.053 | 1.15068 | 0.00000 | 1743.4 | 1743.4 | 0.0 | U |
| 2.533 | 1.1842 | 0.0000 | 60.056 | 1.18899 | 0.00000 | 1836.7 | 1836.7 | 0.0 | U |
| 2.556 | 1.2396 | 0.0000 | 60.059 | 1.24439 | 0.00000 | 1933.6 | 1933.6 | 0.0 | U |
| 2.578 | 1.3142 | 0.0000 | 60.062 | 1.31665 | 0.00000 | 2035.8 | 2035.8 | 0.0 | U |
| 2.600 | 1.3986 | 0.0000 | 60.066 | 1.39851 | 0.00000 | 2144.3 | 2144.3 | 0.0 | U |
| 2.622 | 1.4827 | 0.0000 | 60.069 | 1.48100 | 0.00000 | 2259.5 | 2259.5 | 0.0 | U |
| 2.644 | 1.5601 | 0.0000 | 60.073 | 1.55717 | 0.00000 | 2381.3 | 2381.3 | 0.0 | U |
| 2.667 | 1.6259 | 0.0000 | 60.077 | 1.62303 | 0.00000 | 2508.7 | 2508.7 | 0.0 | U |
| 2.689 | 1.6803 | 0.0000 | 60.081 | 1.67828 | 0.00000 | 2640.9 | 2640.9 | 0.0 | U |
| 2.711 | 1.7266 | 0.0000 | 60.085 | 1.72521 | 0.00000 | 2777.2 | 2777.2 | 0.0 | U |
| 2.733 | 1.7673 | 0.0000 | 60.090 | 1.76619 | 0.00000 | 2917.0 | 2917.0 | 0.0 | U |
| 2.756 | 1.8036 | 0.0000 | 60.094 | 1.80271 | 0.00000 | 3059.8 | 3059.8 | 0.0 | U |
| 2.778 | 1.8364 | 0.0000 | 60.098 | 1.83573 | 0.00000 | 3205.4 | 3205.4 | 0.0 | U |
| 2.800 | 1.8666 | 0.0000 | 60.103 | 1.86603 | 0.00000 | 3353.5 | 3353.5 | 0.0 | U |
| 2.822 | 1.8946 | 0.0000 | 60.108 | 1.89415 | 0.00000 | 3504.0 | 3504.0 | 0.0 | U |
| 2.844 | 1.9209 | 0.0000 | 60.112 | 1.92052 | 0.00000 | 3656.6 | 3656.6 | 0.0 | U |
| 2.867 | 1.9458 | 0.0000 | 60.117 | 1.94546 | 0.00000 | 3811.3 | 3811.3 | 0.0 | U |
| 2.889 | 1.9694 | 0.0000 | 60.122 | 1.96918 | 0.00000 | 3967.9 | 3967.9 | 0.0 | U |
| 2.911 | 1.9921 | 0.0000 | 60.127 | 1.99185 | 0.00000 | 4126.3 | 4126.3 | 0.0 | U |
| 2.933 | 2.0138 | 0.0000 | 60.132 | 2.01360 | 0.00000 | 4286.6 | 4286.6 | 0.0 | U |
| 2.956 | 2.0347 | 0.0000 | 60.136 | 2.03456 | 0.00000 | 4448.5 | 4448.5 | 0.0 | U |
| 2.978 | 2.0550 | 0.0000 | 60.142 | 2.05478 | 0.00000 | 4612.1 | 4612.1 | 0.0 | U |
| 3.000 | 2.0745 | 0.0000 | 60.147 | 2.08048 | 0.00000 | 4777.3 | 4777.3 | 0.0 | U |
| 3.022 | 2.1181 | 0.0000 | 60.152 | 2.13100 | 0.00000 | 4945.0 | 4945.0 | 0.0 | U |
| 3.044 | 2.2135 | 0.0000 | 60.157 | 2.23534 | 0.00000 | 5118.2 | 5118.2 | 0.0 | U |
| 3.067 | 2.3964 | 0.0000 | 60.163 | 2.41372 | 0.00000 | 5302.6 | 5302.6 | 0.0 | U |
| 3.089 | 2.6486 | 0.0000 | 60.169 | 2.65387 | 0.00000 | 5504.4 | 5504.4 | 0.0 | U |
| 3.111 | 2.9218 | 0.0000 | 60.176 | 2.91839 | 0.00000 | 5727.2 | 5727.2 | 0.0 | U |
| 3.133 | 3.1813 | 0.0000 | 60.183 | 3.17281 | 0.00000 | 5971.4 | 5971.4 | 0.0 | U |
| 3.156 | 3.4058 | 0.0000 | 60.191 | 3.39378 | 0.00000 | 6234.9 | 6234.9 | 0.0 | U |
| 3.178 | 3.5801 | 0.0000 | 60.200 | 3.56990 | 0.00000 | 6514.4 | 6514.4 | 0.0 | U |
| 3.200 | 3.7125 | 0.0000 | 60.209 | 3.70576 | 0.00000 | 6806.1 | 6806.1 | 0.0 | U |
| 3.222 | 3.8179 | 0.0000 | 60.218 | 3.81332 | 0.00000 | 7107.3 | 7107.3 | 0.0 | U |
| 3.244 | 3.9050 | 0.0000 | 60.228 | 3.90113 | 0.00000 | 7416.2 | 7416.2 | 0.0 | U |
| 3.267 | 3.9766 | 0.0000 | 60.237 | 3.97396 | 0.00000 | 7731.5 | 7731.5 | 0.0 | U |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 2-100 Year/24 Hour Routing

| Elapsed Time (hours) | Inflow Rate (f13/s) | Outside Recharge (fi/day) | Stage Elevation (ft datum) | Infitration Rate (f13/s) | Overflow Discharge ( $\mathrm{fl}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume $\left(\mathrm{fl}^{3}\right)$ | Cumutative Infiltration Volume ( $\mathrm{ff}^{3}$ ) | Cumulative Discharge Volume $\left\langle\mathrm{t}^{3}\right.$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 3.289 | 4.0376 | 0.0000 | 60.247 | 4.03549 | 0.00000 | 8052.0 | 8052.0 | 0.0 | U |
| 3.311 | 4.0902 | 0.0000 | 60.257 | 4.08853 | 0.00000 | 8377.1 | 8377.1 | 0.0 | U |
| 3.333 | 4.1362 | 0.0000 | 60.267 | 4.13504 | 0.00000 | 8706.2 | 8706.2 | 0.0 | U |
| 3.356 | 4.1775 | 0.0000 | 60.277 | 4.17657 | 0.00000 | 9038.8 | 9038.8 | 0.0 | U |
| 3.378 | 4.2150 | 0.0000 | 60.288 | 4.21423 | 0.00000 | 9374.5 | 9374.5 | 0.0 | U |
| 3.400 | 4.2494 | 0.0000 | 60.298 | 4.24876 | 0.00000 | 9713.0 | 9713.0 | 0.0 | U |
| 3.422 | 4.2812 | 0.0000 | 60.308 | 4.28074 | 0.00000 | 10054.3 | 10054.3 | 0.0 | U |
| 3.444 | 4.3111 | 0.0000 | 60.319 | 4.31067 | 0.00000 | 10398.0 | 10398.0 | 0.0 | U |
| 3.467 | 4.3393 | 0.0000 | 60.330 | 4.33891 | 0.00000 | 10744.0 | 10744.0 | 0.0 | U |
| 3.489 | 4.3660 | 0.0000 | 60.340 | 4.36638 | 0.00000 | 11092.2 | 11092.2 | 0.0 | U |
| 3.511 | 4.3943 | 0.0000 | 60.351 | 4.39722 | 0.00000 | 11442.6 | 11442.6 | 0.0 | U |
| 3.533 | 4.4344 | 0.0000 | 60.362 | 4.44024 | 0.00000 | 11795.7 | 11795.7 | 0.0 | U |
| 3.556 | 4.4980 | 0.0000 | 60.373 | 4.50575 | 0.00000 | 12153.0 | 12153.0 | 0.0 | U |
| 3.578 | 4.5927 | 0.0000 | 60.384 | 4.59766 | 0.00000 | 12516.7 | 12516.7 | 0.0 | U |
| 3.600 | 4.7073 | 0.0000 | 60.395 | 4.70787 | 0.00000 | 12888.6 | 12888.6 | 0.0 | U |
| 3.622 | 4.8243 | 0.0000 | 60.407 | 4.81795 | 0.00000 | 13269.9 | 13269.9 | 0.0 | U |
| 3.644 | 4.9320 | 0.0000 | 70.000 | 4.87014 | 0.00000 | 13660.2 | 13659.5 | 0.0 | U/P |
| 3.667 | 5.0229 | 0.0000 | 70.000 | 4.87016 | 0.00000 | 14058.4 | 14049.1 | 0.0 | U/P |
| 3.689 | 5.0937 | 0.0000 | 70.000 | 4.87020 | 0.00000 | 14463.0 | 14438.7 | 0.0 | U/P |
| 3.711 | 5.1495 | 0.0000 | 70.001 | 4.87025 | 0.00000 | 14872.7 | 14828.4 | 0.0 | U/P |
| 3.733 | 5.1952 | 0.0000 | 70.001 | 4.87033 | 0.00000 | 15286.5 | 15218.0 | 0.0 | U/P |
| 3.756 | 5.2337 | 0.0000 | 70.001 | 4.87041 | 0.00000 | 15703.7 | 15607.6 | 0.0 | U/P |
| 3.778 | 5.2663 | 0.0000 | 70.002 | 4.87051 | 0.00000 | 16123.7 | 15997.3 | 0.0 | U/P |
| 3.800 | 5.2948 | 0.0000 | 70.002 | 4.87062 | 0.00000 | 16546.1 | 16386.9 | 0.0 | U/P |
| 3.822 | 5.3201 | 0.0000 | 70.002 | 4.87073 | 0.00000 | 16970.7 | 16776.6 | 0.0 | U/P |
| 3.844 | 5.3428 | 0.0000 | 70.003 | 4.87085 | 0.00000 | 17397.2 | 17166.2 | 0.0 | U/P |
| 3.867 | 5.3635 | 0.0000 | 70.003 | 4.87098 | 0.00000 | 17825.5 | 17555.9 | 0.0 | U/P |
| 3.889 | 5.3828 | 0.0000 | 70.004 | 4.87111 | 0.00000 | 18255.3 | 17945.6 | 0.0 | U/P |
| 3.911 | 5.4007 | 0.0000 | 70.004 | 4.87124 | 0.00000 | 18686.7 | 18335.3 | 0.0 | U/P |
| 3.933 | 5.4176 | 0.0000 | 70.005 | 4.87139 | 0.00000 | 19119.4 | 18725.0 | 0.0 | U/P |
| 3.956 | 5.4337 | 0.0000 | 70.005 | 4.87153 | 0.00000 | 19553.5 | 19114.7 | 0.0 | U/P |
| 3.978 | 5.4490 | 0.0000 | 70.006 | 4.87168 | 0.00000 | 19988.8 | 19504.4 | 0.0 | U/P |
| 4.000 | 5.4636 | 0.0000 | 70.006 | 4.87184 | 0.00000 | 20425.3 | 19894.2 | 0.0 | U/P |
| 4.022 | 5.4975 | 0.0000 | 70.007 | 4.87200 | 0.00000 | 20863.7 | 20283.9 | 0.0 | U/P |
| 4.044 | 5.5841 | 0.0000 | 70.008 | 4.87217 | 0.00000 | 21307.0 | 20673.7 | 0.0 | U/P |
| 4.067 | 5.7641 | 0.0000 | 70.008 | 4.87236 | 0.00000 | 21760.9 | 21063.5 | 0.0 | U/P |
| 4.089 | 6.0377 | 0.0000 | 70.009 | 4.87261 | 0.00000 | 22233.0 | 21453.3 | 0.0 | U/P |
| 4.111 | 6.3565 | 0.0000 | 70.011 | 4.87292 | 0.00000 | 22728.8 | 21843.1 | 0.0 | U/P |
| 4.133 | 6.6701 | 0.0000 | 70.012 | 4.87332 | 0.00000 | 23249.8 | 22232.9 | 0.0 | U/P |
| 4.156 | 6.9466 | 0.0000 | 70.014 | 4.87380 | 0.00000 | 23794.5 | 22622.8 | 0.0 | U/P |
| 4.178 | 7.1629 | 0.0000 | 70.016 | 4.87435 | 0.00000 | 24358.9 | 23012.7 | 0.0 | U/P |
| 4.200 | 7.3207 | 0.0000 | 70.018 | 4.87496 | 0.00000 | 24938.2 | 23402.7 | 0.0 | U/P |
| 4.222 | 7.4374 | 0.0000 | 70.021 | 4.87561 | 0.00000 | 25528.5 | 23792.7 | 0.0 | U/P |
| 4.244 | 7.5269 | 0.0000 | 70.023 | 4.87629 | 0.00000 | 26127.1 | 24182.8 | 0.0 | U/P |
| 4.267 | 7.5959 | 0.0000 | 70.026 | 4.87700 | 0.00000 | 26732.0 | 24572.9 | 0.0 | U/P |
| 4.289 | 7.6498 | 0.0000 | 70.028 | 4.87772 | 0.00000 | 27341.8 | 24963.1 | 0.0 | U/P |
| 4.311 | 7.6927 | 0.0000 | 70.031 | 4.87846 | 0.00000 | 27955.5 | 25353.4 | 0.0 | U/P |
| 4.333 | 7.7274 | 0.0000 | 70.034 | 4.87921 | 0.00000 | 28572.3 | 25743.7 | 0.0 | U/P |
| 4.356 | 7.7562 | 0.0000 | 70.036 | 4.87997 | 0.00000 | 29191.7 | 26134.0 | 0.0 | U/P |
| 4.378 | 7.7806 | 0.0000 | 70.039 | 4.88074 | 0.00000 | 29813.1 | 26524.5 | 0.0 | U/P |
| 4.400 | 7.8017 | 0.0000 | 70.042 | 4.88152 | 0.00000 | 30436.4 | 26915.0 | 0.0 | U/P |
| 4.422 | 7.8203 | 0.0000 | 70.045 | 4.88229 | 0.00000 | 31061.3 | 27305.5 | 0.0 | U/P |
| 4.444 | 7.8369 | 0.0000 | 70.047 | 4.88308 | 0.00000 | 31687.6 | 27696.1 | 0.0 | U/P |
| 4.467 | 7.8522 | 0.0000 | 70.050 | 4.88387 | 0.00000 | 32315.2 | 28086.8 | 0.0 | U/P |
| 4.489 | 7.8663 | 0.0000 | 70.053 | 4.88466 | 0.00000 | 32943.9 | 28477.5 | 0.0 | U/P |
| 4.511 | 7.8793 | 0.0000 | 70.056 | 4.88545 | 0.00000 | 33573.7 | 28868.3 | 0.0 | U/P |
| 4.533 | 7.8970 | 0.0000 | 70.059 | 4.88625 | 0.00000 | 34204.8 | 29259.2 | 0.0 | U/P |
| 4.556 | 7.9260 | 0.0000 | 70.062 | 4.88706 | 0.00000 | 34837.7 | 29650.1 | 0.0 | U/P |
| 4.578 | 7.9749 | 0.0000 | 70.064 | 4.88787 | 0.00000 | 35473.7 | 30041.1 | 0.0 | U/P |
| 4.600 | 8.0400 | 0.0000 | 70.067 | 4.88869 | 0.00000 | 36114.3 | 30432.2 30823.3 | 0.0 0.0 | U/P |
| 4.622 | 8.1095 | 0.0000 | 70.070 | 4.88953 | 0.00000 | 36760.3 | 30823.3 | 0.0 | U/P |
| 4.644 | 8.1749 | 0.0000 | 70.073 | 4.89039 | 0.00000 | 37411.7 380679 | 31214.5 31605.8 | 0.0 0.0 | U/P |
| 4.667 | 8.2314 | 0.0000 | 70.077 | 4.89126 | 0.00000 | 38067.9 38728.2 | 31605.8 31997.1 | 0.0 0.0 | U/P |
| 4.689 | 8.2747 | 0.0000 | 70.080 | 4.89215 | 0.00000 | 38728.2 | 31997.1 | 0.0 | U/P |
| 4.711 | 8.3076 | 0.0000 | 70.083 | 4.89305 | 0.00000 0.00000 | 39391.5 40057.1 | 32388.5 32780.0 | 0.0 0.0 | U/P |
| 4.733 | 8.3335 | 0.0000 | 70.086 70.090 | 4.89396 4.89488 | 0.00000 0.00000 | 40057.1 | 32780.0 33171.6 | 0.0 0.0 | U/P |
| 4.756 | 8.3547 | 0.0000 | 70.090 | 4.89488 | 0.00000 | 40724.6 41393.7 | 33563.2 | 0.0 | U/P |
| 4.778 | 8.3720 | 0.0000 | 70.093 | 4.89580 4.89672 | 0.00000 0.00000 | 41393.7 | 33954.9 | 0.0 | U/P |
| 4.800 | 8.3867 | 0.0000 | 70.096 | 4.89672 4.89765 | 0.00000 0.00000 | 42064.1 | 33954.9 34346.7 | 0.0 | U/P |
| 4.822 | 8.3993 | 0.0000 | 70.099 | 4.89765 489858 | 0.00000 0.00000 | 43407.9 | 34738.5 | 0.0 | U/P |
| 4.844 | 8.4104 | 0.0000 | 70.103 | 4.89858 4.89952 | 0.000000 | 44081.1 | 35130.5 | 0.0 | U/P |
| 4.867 4.889 | 8.4203 8.4293 | 0.0000 0.0000 | 70.106 70.109 | 4.89952 4.90045 | 0.00000 0.00000 | 44081.1 | 35130.5 35522.5 | 0.0 | U/P |
| 4.911 | 8.4376 | 0.0000 | 70.113 | 4.90139 | 0.00000 | 45429.8 | 35914.5 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 2-100 Year / 24 Hour Routing

| Elapsed Time (hours) | Inflow Rate (f13/s) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{fl}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume $\left(\mathrm{ft}^{3}\right)$ | Cumulative infiltration Volume ( $\mathrm{ff}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{fl}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4.933 | 8.4454 | 0.0000 | 70.116 | 4.90233 | 0.00000 | 46105.1 | 36306.7 | 0.0 | U/P |
| 4.956 | 8.4527 | 0.0000 | 70.119 | 4.90327 | 0.00000 | 46781.0 | 36698.9 | 0.0 | U/P |
| 4.978 | 8.4597 | 0.0000 | 70.123 | 4.90422 | 0.00000 | 47457.5 | 37091.2 | 0.0 | U/P |
| 5.000 | 8.4682 | 0.0000 | 70.126 | 4.90516 | 0.00000 | 48134.6 | 37483.6 | 0.0 | U/P |
| 5.022 | 8.4832 | 0.0000 | 70.129 | 4.90611 | 0.00000 | 48812.7 | 37876.0 | 0.0 | U/P |
| 5.044 | 8.5110 | 0.0000 | 70.133 | 4.90706 | 0.00000 | 49492.5 | 38268.5 | 0.0 | U/P |
| 5.067 | 8.5544 | 0.0000 | 70.136 | 4.90802 | 0.00000 | 50175.1 | 38661.1 | 0.0 | U/P |
| 5.089 | 8.6076 | 0.0000 | 70.140 | 4.90899 | 0.00000 | 50861.6 | 39053.8 | 0.0 | U/P |
| 5.111 | 8.6616 | 0.0000 | 70.143 | 4.90997 | 0.00000 | 51552.3 | 39446.0 | 0.0 | U/P |
| 5.133 | 8.7106 | 0.0000 | 70.147 | 4.91096 | 0.00000 | 52247.2 | 39839.4 | 0.0 | U/P |
| 5.156 | 8.7508 | 0.0000 | 70.150 | 4.91197 | 0.00000 | 52945.7 | 40232.3 | 0.0 | U/P |
| 5.178 | 8.7809 | 0.0000 | 70.154 | 4.91299 | 0.00000 | 53646.9 | 40625.3 | 0.0 | U/P |
| 5.200 | 8.8035 | 0.0000 | 70.158 | 4.91401 | 0.00000 | 54350.3 | 41018.4 | 0.0 | U/P |
| 5.222 | 8.8212 | 0.0000 | 70.161 | 4.91505 | 0.00000 | 55055.3 | 41411.6 | 0.0 | U/P |
| 5.244 | 8.8353 | 0.0000 | 70.165 | 4.91608 | 0.00000 | 55761.6 | 41804.8 | 0.0 | U/P |
| 5.267 | 8.8468 | 0.0000 | 70.169 | 4.91712 | 0.00000 | 56468.8 | 42198.2 | 0.0 | U/P |
| 5.289 | 8.8562 | 0.0000 | 70.172 | 4.91816 | 0.00000 | 57177.0 | 42591.6 | 0.0 | U/P |
| 5.311 | 8.8643 | 0.0000 | 70.176 | 4.91920 | 0.00000 | 57885.8 | 42985.1 | 0.0 | U/P |
| 5.333 | 8.8712 | 0.0000 | 70.180 | 4.92025 | 0.00000 | 58595.2 | 43378.6 | 0.0 | U/P |
| 5.356 | 8.8773 | 0.0000 | 70.184 | 4.92130 | 0.00000 | 59305.1 | 43772.3 | 0.0 | U/P |
| 5.378 | 8.8829 | 0.0000 | 70.187 | 4.92234 | 0.00000 | 60015.6 | 44166.0 | 0.0 | U/P |
| 5.400 | 8.8880 | 0.0000 | 70.191 | 4.92339 | 0.00000 | 60726.4 | 44559.9 | 0.0 | U/P |
| 5.422 | 8.8927 | 0.0000 | 70.195 | 4.92444 | 0.00000 | 61437.6 | 44953.8 | 0.0 | U/P |
| 5.444 | 8.8971 | 0.0000 | 70.199 | 4.92549 | 0.00000 | 62149.2 | 45347.8 | 0.0 | U/P |
| 5.467 | 8.9014 | 0.0000 | 70.202 | 4.92654 | 0.00000 | 62861.1 | 45741.9 | 0.0 | U/P |
| 5.489 | 8.9054 | 0.0000 | 70.206 | 4.92759 | 0.00000 | 63573.4 | 46136.0 | 0.0 | U/P |
| 5.511 | 8.9092 | 0.0000 | 70.210 | 4.92864 | 0.00000 | 64286.0 | 46530.3 | 0.0 | U/P |
| 5.533 | 8.9128 | 0.0000 | 70.213 | 4.92970 | 0.00000 | 64998.9 | 46924.6 | 0.0 | U/P |
| 5.556 | 8.9163 | 0.0000 | 70.217 | 4.93075 | 0.00000 | 65712.1 | 47319.0 | 0.0 | U/P |
| 5.578 | 8.9197 | 0.0000 | 70.221 | 4.93180 | 0.00000 | 66425.5 | 47713.5 | 0.0 | U/P |
| 5.600 | 8.9229 | 0.0000 | 70.225 | 4.93286 | 0.00000 | 67139.2 | 48108.1 | 0.0 | U/P |
| 5.622 | 8.9261 | 0.0000 | 70.228 | 4.93391 | 0.00000 | 67853.2 | 48502.8 | 0.0 | U/P |
| 5.644 | 8.9292 | 0.0000 | 70.232 | 4.93496 | 0.00000 | 68567.4 | 48897.5 | 0.0 | U/P |
| 5.667 | 8.9323 | 0.0000 | 70.236 | 4.93602 | 0.00000 | 69281.8 | 49292.4 | 0.0 | U/P |
| 5.689 | 8.9353 | 0.0000 | 70.240 | 4.93707 | 0.00000 | 69996.5 | 49687.3 | 0.0 | U/P |
| 5.711 | 8.9383 | 0.0000 | 70.243 | 4.93813 | 0.00000 | 70711.5 | 50082.3 | 0.0 | U/P |
| 5.733 | 8.9411 | 0.0000 | 70.247 | 4.93918 | 0.00000 | 71426.7 | 50477.4 | 0.0 | U/P |
| 5.756 | 8.9440 | 0.0000 | 70.251 | 4.94024 | 0.00000 | 72142.1 | 50872.6 | 0.0 | U/P |
| 5.778 | 8.9467 | 0.0000 | 70.255 | 4.94130 | 0.00000 | 72857.7 | 51267.8 | 0.0 | U/P |
| 5.800 | 8.9494 | 0.0000 | 70.258 | 4.94235 | 0.00000 | 73573.5 | 51663.2 | 0.0 | U/P |
| 5.822 | 8.9521 | 0.0000 | 70.262 | 4.94341 | 0.00000 | 74289.6 | 52058.6 | 0.0 | U/P |
| 5.844 | 8.9547 | 0.0000 | 70.266 | 4.94447 | 0.00000 | 75005.9 | 52454.1 | 0.0 | U/P |
| 5.867 | 8.9572 | 0.0000 | 70.270 | 4.94552 | 0.00000 | 75722.3 | 52849.7 | 0.0 | U/P |
| 5.889 | 8.9597 | 0.0000 | 70.273 | 4.94658 | 0.00000 | 76439.0 | 53245.4 | 0.0 | U/P |
| 5.911 | 8.9621 | 0.0000 | 70.277 | 4.94764 | 0.00000 | 77155.9 | 53641.2 | 0.0 | U/P |
| 5.933 | 8.9645 | 0.0000 | 70.281 | 4.94869 | 0.00000 | 77873.0 | 54037.0 | 0.0 | U/P |
| 5.956 | 8.9668 | 0.0000 | 70.285 | 4.94975 | 0.00000 | 78590.2 | 54433.0 | 0.0 | U/P |
| 5.978 | 8.9691 | 0.0000 | 70.288 | 4.95081 | 0.00000 | 79307.6 | 54829.0 | 0.0 | U/P |
| 6.000 | 8.9713 | 0.0000 | 70.292 | 4.95187 | 0.00000 | 80025.2 | 55225.1 | 0.0 | U/P |
| 6.022 | 9.1195 | 0.0000 | 70.296 | 4.95293 | 0.00000 | 80748.9 | 55621.3 | 0.0 | U/P |
| 6.044 | 9.5742 | 0.0000 | 70.300 | 4.95405 | 0.00000 | 81496.6 | 56017.6 | 0.0 | U/P |
| 6.067 | 10.5402 | 0.0000 | 70.305 | 4.95530 | 0.00000 | 82301.2 | 56414.0 | 0.0 | U/P |
| 6.089 | 11.9008 | 0.0000 | 70.311 | 4.95679 | 0.00000 | 83198.8 | 56810.4 | 0.0 | U/P |
| 6.111 | 13.3644 | 0.0000 | 70.318 | 4.95863 | 0.00000 | 84209.5 | 57207.0 | 0.0 | U/P |
| 6.133 | 14.7266 | 0.0000 | 70.326 | 4.96083 | 0.00000 | 85333.1 | 57603.8 | 0.0 | U/P |
| 6.156 | 15.8705 | 0.0000 | 70.336 | 4.96338 | 0.00000 | 86557.0 | 58000.8 | 0.0 | U/P |
| 6.178 | 16.6939 | 0.0000 | 70.347 | 4.96622 | 0.00000 | 87859.5 | 58398.0 | 0.0 | U/P |
| 6.200 | 17.2693 | 0.0000 | 70.358 | 4.96928 | 0.00000 | 89218.1 | 58795.4 | 0.0 | U/P |
| 6.222 | 17.6844 | 0.0000 | 70.369 | 4.97249 | 0.00000 | 90616.2 | 59193.0 | 0.0 | U/P |
| 6.244 | 17.9929 | 0.0000 | 70.381 | 4.97582 | 0.00000 | 92043.3 | 59591.0 | 0.0 | U/P |
| 6.267 | 18.2138 | 0.0000 | 70.394 | 4.97922 | 0.00000 | 93491.6 | 59989.2 | 0.0 | U/P |
| 6.289 | 18.3762 | 0.0000 | 70.406 | 4.98268 | 0.00000 | 94955.2 | 60387.6 | 0.0 | U/P |
| 6.311 | 18.4947 | 0.0000 | 70.418 | 4.98618 | 0.00000 | 96430.0 | 60786.4 | 0.0 | U/P |
| 6.333 | 18.5809 | 0.0000 | 70.431 | 4.98970 | 0.00000 | 97913.0 | 61185.4 | 0.0 | U/P |
| 6.356 | 18.6451 | 0.0000 | 70.444 | 4.99325 | 0.00000 | 99402.1 | 61584.7 | 0.0 | U/P |
| 6.378 | 18.6930 | 0.0000 | 70.456 | 4.99681 | 0.00000 | 100895.6 | 61984.3 | 0.0 | U/P |
| 6.400 | 18.7291 | 0.0000 | 70.469 | 5.00038 | 0.00000 | 102392.5 | 62384.2 | 0.0 | U/P |
| 6.422 | 18.7562 | 0.0000 | 70.482 | 5.00396 | 0.00000 | 103891.9 | 62784.4 | 0.0 | U/P |
| 6.444 | 18.7774 | 0.0000 | 70.494 | 5.00754 | 0.00000 | 105393.2 | 63184.9 63585.6 | 0.0 0.0 | U/P |
| 6.467 | 18.7949 | 0.0000 | 70.507 | 5.01112 | 0.00000 | 106896.1 | 63585.6 | 0.0 0.0 | U/P |
| 6.489 | 18.8087 | 0.0000 | 70.520 | 5.01470 | 0.00000 | 108400.3 | 63986.6 | 0.0 | U/P |
| 6.511 | 18.8300 | 0.0000 | 70.533 | 5.01829 | 0.00000 | 109905.8 | 64388.0 | 0.0 | U/P |
| 6.533 | 18.8941 | 0.0000 | 70.545 | 5.02187 | 0.00000 | 111414.8 | 64789.6 | 0.0 | U/P |
| 6.556 | 19.0416 | 0.0000 | 70.558 | 5.02548 | 0.00000 | 112932.2 | 65191.5 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 2 - 100 Year/24 Hour Routing

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (It/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 6.578 | 19.2990 | 0.0000 | 70.571 | 5.02912 | 0.00000 | 114465.8 | 65593.7 | 0.0 | U/P |
| 6.600 | 19.6262 | 0.0000 | 70.585 | 5.03282 | 0.00000 | 116022.8 | 85996.1 | 0.0 | U/P |
| 6.622 | 19.9619 | 0.0000 | 70.598 | 5.03660 | 0.00000 | 117606.4 | 86398.9 | 0.0 | U/P |
| 6.644 | 20.2652 | 0.0000 | 70.612 | 5,04045 | 0.00000 | 119215.4 | 66802.0 | 0.0 | U/P |
| 6.667 | 20.5101 | 0.0000 | 70.626 | 5.04439 | 0.00000 | 120846.5 | 67205.4 | 0.0 | U/P |
| 6.689 | 20.6857 | 0.0000 | 70.640 | 5.04837 | 0.00000 | 122494.3 | 67609.1 | 0.0 | U/P |
| 6.711 | 20.8101 | 0.0000 | 70.655 | 5.05241 | 0.00000 | 124154.1 | 68013.1 | 0.0 | U/P |
| 6.733 | 20.9012 | 0.0000 | 70.669 | 5.05647 | 0.00000 | 125822.6 | 68417.5 | 0.0 | U/P |
| 6.756 | 20.9688 | 0.0000 | 70.684 | 5.06055 | 0.00000 | 127497.4 | 68822.1 | 0.0 | U/P |
| 6.778 | 21.0181 | 0.0000 | 70.698 | 5.06464 | 0.00000 | 129176.8 | 69227.2 | 0.0 | U/P |
| 6.800 | 21.0548 | 0.0000 | 70.713 | 5.06874 | 0.00000 | 130859.8 | 69632.5 | 0.0 | U/P |
| 6.822 | 21.0822 | 0.0000 | 70.727 | 5.07285 | 0.00000 | 132545.2 | 70038.2 | 0.0 | U/P |
| 6.844 | 21.1027 | 0.0000 | 70.742 | 5.07686 | 0.00000 | 134232.6 | 70444.1 | 0.0 | U/P |
| 6.867 | 21.1185 | 0.0000 | 70.757 | 5.08107 | 0.00000 | 135921.5 | 70850.5 | 0.0 | U/P |
| 6.889 | 21.1307 | 0.0000 | 70.771 | 5.08518 | 0.00000 | 137611.4 | 71257.1 | 0.0 | U/P |
| 6.911 | 21.1404 | 0.0000 | 70.786 | 5.08929 | 0.00000 | 139302.3 | 71664.1 | 0.0 | U/P |
| 6.933 | 21.1482 | 0.0000 | 70.800 | 5.09340 | 0.00000 | 140993.8 | 72071.4 | 0.0 | U/P |
| 6.956 | 21.1546 | 0.0000 | 70.815 | 5.09751 | 0.00000 | 142685.9 | 72479.0 | 0.0 | U/P |
| 6.978 | 21.1602 | 0.0000 | 70.830 | 5.10161 | 0.00000 | 144378.5 | 72887.0 | 0.0 | U/P |
| 7.000 | 21.1649 | 0.0000 | 70.844 | 5.10571 | 0.00000 | 146071.5 | 73295.3 | 0.0 | U/P |
| 7.022 | 21.2269 | 0.0000 | 70.859 | 5.10981 | 0.00000 | 147767.2 | 73703.9 | 0.0 | U/P |
| 7.044 | 21.4428 | 0.0000 | 70.873 | 5.11393 | 0.00000 | 149474.0 | 74112.9 | 0.0 | U/P |
| 7.067 | 21.9301 | 0.0000 | 70.888 | 5.11811 | 0.00000 | 151208.9 | 74522.2 | 0.0 | U/P |
| 7.089 | 22.6886 | 0.0000 | 70.904 | 5.12240 | 0.00000 | 152993.7 | 74931.8 | 0.0 | U/P |
| 7.111 | 23.5761 | 0.0000 | 70.920 | 5.12688 | 0.00000 | 154844.3 | 75341.7 | 0.0 | U/P |
| 7.133 | 24.4460 | 0.0000 | 70.937 | 5.13157 | 0.00000 | 156765.1 | 75752.1 | 0.0 | U/P |
| 7.156 | 25.2059 | 0.0000 | 70.955 | 5.13646 | 0.00000 | 158751.2 | 76162.8 | 0.0 | U/P |
| 7.178 | 25.7892 | 0.0000 | 70.973 | 5.14154 | 0.00000 | 160791.0 | 76573.9 | 0.0 | U/P |
| 7.200 | 26.2019 | 0.0000 | 70.992 | 5.14676 | 0.00000 | 162870.7 | 76985.4 | 0.0 | U/P |
| 7.222 | 26.4951 | 0.0000 | 71.011 | 5.15208 | 0.00000 | 164978.5 | 77397.4 | 0.0 | U/P |
| 7.244 | 26.7100 | 0.0000 | 71.030 | 5.15747 | 0.00000 | 167106.8 | 77809.8 | 0.0 | U/P |
| 7.267 | 26.8661 | 0.0000 | 71.050 | 5.16291 | 0.00000 | 169249.8 | 78222.6 | 0.0 | U/P |
| 7.289 | 26.9793 | 0.0000 | 71.069 | 5.16838 | 0.00000 | 171403.6 | 78635.8 | 0.0 | U/P |
| 7.311 | 27.0619 | 0.0000 | 71.089 | 5.17388 | 0.00000 | 173565.2 | 79049.5 | 0.0 | U/P |
| 7.333 | 27.1219 | 0.0000 | 71.108 | 5.17938 | 0.00000 | 175732.6 | 79463.6 | 0.0 | U/P |
| 7.356 | 27.1659 | 0.0000 | 71.128 | 5.18490 | 0.00000 | 177904.1 | 79878.2 | 0.0 | U/P |
| 7.378 | 27.1985 | 0.0000 | 71.148 | 5.19042 | 0.00000 | 180078.7 | 80293.2 | 0.0 | U/P |
| 7.400 | 27.2228 | 0.0000 | 71.167 | 5.19594 | 0.00000 | 182255.5 | 80708.7 | 0.0 | U/P |
| 7.422 | 27.2409 | 0.0000 | 71.187 | 5.20147 | 0.00000 | 184434.1 | 81124.6 | 0.0 | U/P |
| 7.444 | 27.2547 | 0.0000 | 71.206 | 5.20698 | 0.00000 | 186613.9 | 81540.9 | 0.0 | U/P |
| 7.467 | 27.2657 | 0.0000 | 71.226 | 5.21250 | 0.00000 | 188794.7 | 81957.7 | 0.0 | U/P |
| 7.489 | 27.2745 | 0.0000 | 71.246 | 5.21801 | 0.00000 | 190976.3 | 82374.9 | 0.0 | U/P |
| 7.511 | 27.2811 | 0.0000 | 71.265 | 5.22351 | 0.00000 | 193158.5 | 82792.6 | 0.0 | U/P |
| 7.533 | 27.3913 | 0.0000 | 71.285 | 5.22902 | 0.00000 | 195345.4 | 83210.7 | 0.0 | U/P |
| 7.556 | 27.7259 | 0.0000 | 71.305 | 5.23456 | 0.00000 | 197550.1 | 83629.2 | 0.0 | U/P |
| 7.578 | 28.4386 | 0.0000 | 71.325 | 5.24018 | 0.00000 | 199796.7 | 84048.2 | 0.0 | U/P |
| 7.600 | 29.4518 | 0.0000 | 71.346 | 5.24596 | 0.00000 | 202112.3 | 84467.7 | 0.0 | U/P |
| 7.622 | 30.5509 | 0.0000 | 71.367 | 5.25197 | 0.00000 | 204512.4 | 84887.6 | 0.0 | U/P |
| 7.644 | 31.5792 | 0.0000 | 71.390 | 5.25824 | 0.00000 | 206997.6 | 85308.0 | 0.0 | U/P |
| 7.667 | 32.4462 | 0.0000 | 71.414 | 5.26475 | 0.00000 | 209558.6 | 85728.9 | 0.0 | U/P |
| 7.689 | 33.0743 | 0.0000 | 71.438 | 5.27146 | 0.00000 | 212179.5 | 86150.3 | 0.0 | U/P |
| 7.711 | 33.5133 | 0.0000 | 71.462 | 5.27832 | 0.00000 | 214843.0 | 86572.3 | 0.0 | U/P |
| 7.733 | 33.8286 | 0.0000 | 71.487 | 5.28528 | 0.00000 | 217536.6 | 86994.9 | 0.0 | U/P |
| 7.756 | 34.0619 | 0.0000 | 71.512 | 5.29231 | 0.00000 | 220252.3 | 87418.0 | 0.0 | U/P |
| 7.778 | 34.2287 | 0.0000 | 71.538 | 5.29938 | 0.00000 | 222983.9 | 87841.6 | 0.0 | U/P |
| 7.800 | 34.3505 | 0.0000 | 71.563 | 5.30649 | 0.00000 | 225727.1 | 88265.9 | 0.0 | U/P |
| 7.822 | 34.4388 | 0.0000 | 71.588 | 5.31361 | 0.00000 | 228478.6 | 88690.7 | 0.0 | U/P |
| 7.844 | 34.5025 | 0.0000 | 71.614 | 5.32075 | 0.00000 | 231236.3 | 89116.0 | 0.0 | U/P |
| 7.867 | 34.5493 | 0.0000 | 71.639 | 5.32789 | 0.00000 | 233998.3 | 89542.0 | 0.0 | U/P |
| 7.889 | 34.5838 | 0.0000 | 71.664 | 5.33503 | 0.00000 | 236763.7 | 89968.5 | 0.0 | U/P |
| 7.911 | 34.6093 | 0.0000 | 71.690 | 5,34217 | 0.00000 | 239531.4 | 90395.6 | 0.0 | U/P |
| 7.933 | 34.6281 | 0.0000 | 71.715 | 5.34931 | 0.00000 | 242300.9 | 90823.3 | 0.0 | U/P |
| 7.956 | 34.6423 | 0.0000 | 71.740 | 5.35643 | 0.00000 | 245071.7 | 91251.5 | 0.0 | U/P |
| 7.978 | 34.6537 | 0.0000 | 71.766 | 5.36355 | 0.00000 | 247843.5 | 91680.3 | 0.0 | U/P |
| 8.000 | 34.7007 | 0.0000 | 71.791 | 5.37067 | 0.00000 | 250617.7 | 92109.7 | 0.0 | U/P |
| 8.022 | 34.8934 | 0.0000 | 71.816 | 5.37779 | 0.00000 | 253401.5 | 92539.6 | 0.0 | U/P |
| 8.044 | 35.3603 | 0.0000 | 71.842 | 5.38495 | 0.00000 | 256211.6 | 92970.1 | 0.0 | U/P |
| 8.067 | 36.1659 | 0.0000 | 71.868 | 5.39222 | 0.00000 | 259072.7 | 93401.2 | 0.0 | U/P |
| 8.089 | 37.1817 | 0.0000 | 71.895 | 5.39967 | 0.00000 | 262006.6 | 93832.8 | 0.0 | U/P |
| 8.111 | 38.2184 | 0.0000 | 71.922 | 5.40733 | 0.00000 | 265022.6 | 94265.1 | 0.0 | U/P |
| 8.133 | 39.1502 | 0.0000 | 71.951 | 5.41523 | 0.00000 | 268117.3 | 94698.0 | 0.0 | U/P |
| 8.156 | 39.8961 | 0.0000 | 71.980 | 5.42333 | 0.00000 | 271279.2 | 95131.6 | 0.0 | U/P |
| 8.178 | 40.4275 | 0.0000 | 72.009 | 5.43202 | 0.00000 | 274492.1 | 95565.8 | 0.0 | U/P |
| 8.200 | 40.8013 | 0.0000 | 72.039 | 5.44216 | 0.00000 | 277741.3 | 96000.7 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 2 - 100 Year/ 24 Hour Routing

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{3}$ s) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate (ft ${ }^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{fl}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 8.222 | 41.0725 | 0.0000 | 72.070 | 5.45331 | 0.00000 | 281016.2 | 96436.5 | 0.0 | U/P |
| 8.244 | 41.2712 | 0.0000 | 72.100 | 5.46451 | 0.00000 | 284310.0 | 96873.2 | 0.0 | U/P |
| 8.267 | 41.4137 | 0.0000 | 72.130 | 5.47576 | 0.00000 | 287617.4 | 97310.8 | 0.0 | U/P |
| 8.289 | 41.5176 | 0.0000 | 72.160 | 5.48702 | 0.00000 | 290934.6 | 97749.3 | 0.0 | U/P |
| 8.311 | 41.5926 | 0.0000 | 72.191 | 5.49829 | 0.00000 | 294259.0 | 98188.7 | 0.0 | U/P |
| 8.333 | 41.6469 | 0.0000 | 72.221 | 5.50956 | 0.00000 | 297588.6 | 98629.1 | 0.0 | U/P |
| 8.356 | 41.6867 | 0.0000 | 72.251 | 5.52082 | 0.00000 | 300921.9 | 99070.3 | 0.0 | U/P |
| 8.378 | 41.7160 | 0.0000 | 72.282 | 5.53206 | 0.00000 | 304258.1 | 99512.4 | 0.0 | U/P |
| 8.400 | 41.7375 | 0.0000 | 72.312 | 5.54329 | 0.00000 | 307596.2 | 99955.4 | 0.0 | U/P |
| 8.422 | 41.7534 | 0.0000 | 72.342 | 5.55450 | 0.00000 | 310935.8 | 100399.3 | 0.0 | U/P |
| 8.444 | 41.7655 | 0.0000 | 72.372 | 5.56568 | 0.00000 | 314276.6 | 100844.1 | 0.0 | U/P |
| 8.467 | 41.7751 | 0.0000 | 72.402 | 5.57685 | 0.00000 | 317618.2 | 101289.8 | 0.0 | U/P |
| 8.489 | 41.7822 | 0.0000 | 72.432 | 5.58799 | 0.00000 | 320960.5 | 101736.4 | 0.0 | U/P |
| 8.511 | 41.7870 | 0.0000 | 72.462 | 5.59911 | 0.00000 | 324303.3 | 102183.9 | 0.0 | U/P |
| 8.533 | 41.7896 | 0.0000 | 72.492 | 5.61021 | 0.00000 | 327646.3 | 102632.3 | 0.0 | U/P |
| 8.556 | 41.7908 | 0.0000 | 72.522 | 5.62128 | 0.00000 | 330989.6 | 103081.5 | 0.0 | U/P |
| 8.578 | 41.7920 | 0.0000 | 72.552 | 5.63232 | 0.00000 | 334332.9 | 103531.7 | 0.0 | U/P |
| 8.600 | 41.7931 | 0.0000 | 72.581 | 5.64335 | 0.00000 | 337676.3 | 103982.7 | 0.0 | U/P |
| 8.622 | 41.7941 | 0.0000 | 72.611 | 5.65434 | 0.00000 | 341019.8 | 104434.6 | 0.0 | U/P |
| 8.644 | 41.7952 | 0.0000 | 72.640 | 5.66532 | 0.00000 | 344363.3 | 104887.4 | 0.0 | U/P |
| 8.667 | 41.7962 | 0.0000 | 72.670 | 5.67626 | 0.00000 | 347707.0 | 105341.1 | 0.0 | U/P |
| 8.689 | 41.7972 | 0.0000 | 72.699 | 5.68719 | 0.00000 | 351050.7 | 105795.6 | 0.0 | U/P |
| 8.711 | 41.7982 | 0.0000 | 72.729 | 5.69809 | 0.00000 | 354394.5 | 106251.0 | 0.0 | U/P |
| 8.733 | 41.7992 | 0.0000 | 72.758 | 5.70897 | 0.00000 | 357738.4 | 106707.3 | 0.0 | U/P |
| 8.756 | 41.8002 | 0.0000 | 72.787 | 5.71982 | 0.00000 | 361082.4 | 107164.5 | 0.0 | U/P |
| 8.778 | 41.8011 | 0.0000 | 72.816 | 5.73065 | 0.00000 | 364426.5 | 107622.5 | 0.0 | U/P |
| 8.800 | 41.8020 | 0.0000 | 72.845 | 5.74146 | 0.00000 | 367770.6 | 108081.4 | 0.0 | U/P |
| 8.822 | 41.8029 | 0.0000 | 72.874 | 5.75224 | 0.00000 | 371114.8 | 108541.1 | 0.0 | U/P |
| 8.844 | 41.8038 | 0.0000 | 72.903 | 5.76300 | 0.00000 | 374459.0 | 109001.7 | 0.0 | U/P |
| 8.867 | 41.8046 | 0.0000 | 72.932 | 5.77373 | 0.00000 | 377803.4 | 109463.2 | 0.0 | U/P |
| 8.889 | 41.8054 | 0.0000 | 72.961 | 5.78445 | 0.00000 | 381147.8 | 109925.5 | 0.0 | U/P |
| 8.911 | 41.8062 | 0.0000 | 72.990 | 5.79514 | 0.00000 | 384492.3 | 110388.7 | 0.0 | U/P |
| 8.933 | 41.8070 | 0.0000 | 73.018 | 5.80581 | 0.00000 | 387836.8 | 110852.7 | 0.0 | U/P |
| 8.856 | 41.8078 | 0.0000 | 73.047 | 5.81645 | 0.00000 | 391181.4 | 111317.6 | 0.0 | U/P |
| 8.878 | 41.8086 | 0.0000 | 73.076 | 5.82708 | 0.00000 | 394526.0 | 111783.4 | 0.0 | U/P |
| 9.000 | 41.8093 | 0.0000 | 73.104 | 5.83768 | 0.00000 | 397870.8 | 112250.0 | 0.0 | U/P |
| 9.022 | 41.6219 | 0.0000 | 73.133 | 5.84824 | 0.00000 | 401208.0 | 112717.4 | 0.0 | U/P |
| 9.044 | 41.0396 | 0.0000 | 73.161 | 5.85872 | 0.00000 | 404514.4 | 113185.7 | 0.0 | U/P |
| 9.067 | 39.7990 | 0.0000 | 73.188 | 5.86898 | 0.00000 | 407748.0 | 113654.8 | 0.0 | U/P |
| 9.088 | 38.0506 | 0.0000 | 73.214 | 5.87887 | 0.00000 | 410862.0 | 114124.7 | 0.0 | U/P |
| 9.111 | 36.1705 | 0.0000 | 73.239 | 5.88826 | 0.00000 | 413830.8 | 114595.4 | 0.0 | U/P |
| 9.133 | 34.4219 | 0.0000 | 73.262 | 5.89710 | 0.00000 | 416654.5 | 115066.8 | 0.0 | U/P |
| 9.156 | 32.9555 | 0.0000 | 73.283 | 5.90542 | 0.00000 | 419349.6 | 115538.9 | 0.0 | U/P |
| 9.178 | 31.9027 | 0.0000 | 73.304 | 5.91332 | 0.00000 | 421943.9 | 116011.7 | 0.0 | U/P |
| 9.200 | 31.1696 | 0.0000 | 73.324 | 5.92089 | 0.00000 | 424466.8 | 116485.1 | 0.0 | U/P |
| 9.222 | 30.6433 | 0.0000 | 73.344 | 5.92823 | 0.00000 | 426939.3 | 116959.0 | 0.0 | U/P |
| 9.244 | 30.2543 | 0.0000 | 73.363 | 5.93540 | 0.00000 | 429375.3 | 117433.6 | 0.0 | U/P |
| 9.267 | 29.9782 | 0.0000 | 73.382 | 5.94244 | 0.00000 | 431784.6 | 117908.7 | 0.0 | U/P |
| 9.289 | 29.7773 | 0.0000 | 73.400 | 5.94940 | 0.00000 | 434174.8 | 118384.4 | 0.0 | U/P |
| 9.311 | 29.6327 | 0.0000 | 73.419 | 5.95628 | 0.00000 | 436551.2 | \$18860.6 | 0.0 | U/P |
| 9.333 | 29.5296 | 0.0000 | 73.437 | 5.96311 | 0.00000 | 438917.7 | \$19337.4 | 0.0 | U/P |
| 9.356 | 29.4546 | 0.0000 | 73.455 | 5.96990 | 0.00000 | 441277.0 | 119814.7 | 0.0 | U/P |
| 9.378 | 29.4004 | 0.0000 | 73.473 | 5.97666 | 0.00000 | 443631.2 | 120292.6 | 0.0 | U/P |
| 9.400 | 29.3611 | 0.0000 | 73.492 | 5.98339 | 0.00000 | 445981.7 | 120771.0 | 0.0 | U/P |
| 9.422 | 29.3332 | 0.0000 | 73.510 | 5.99010 | 0.00000 | 448329.5 | 121249.9 | 0.0 | U/P |
| 9.444 | 29.3127 | 0.0000 | 73.528 | 5.99679 | 0.00000 | 450675.3 | 121729.4 | 0.0 | U/P |
| 9.467 | 29.2968 | 0.0000 | 73.546 | 6.00347 | 0.00000 | 453019.7 | 122209.4 | 0.0 | U/P |
| 9.489 | 29.2854 | 0.0000 | 73.564 | 6.01014 | 0.00000 | 455363.0 | 122689.9 | 0.0 | U/P |
| 9.511 | 29.2726 | 0.0000 | 73.581 | 6.01679 | 0.00000 | 457705.3 | 123171.0 | 0.0 | U/P |
| 9.533 | 29.2405 | 0.0000 | 73.599 | 6.02342 | 0.00000 | 460045.8 | 123652.6 | 0.0 | U/P |
| 9.556 | 29.1686 | 0.0000 | 73.617 | 6.03004 | 0.00000 | 462382.2 | 124134.8 | 0.0 | U/P |
| 9.578 | 29.0411 | 0.0000 | 73.635 | 6.03663 | 0.00000 | 464710.6 | 124617.4 | 0.0 | U/P |
| 9.600 | 28.8784 | 0.0000 | 73.652 | 6.04317 | 0.00000 | 467027.3 | 125100.6 | 0.0 | U/P |
| 9.622 | 28.7114 | 0.0000 | 73.670 | 6.04966 | 0.00000 | 469330.9 | 125584.3 | 0.0 | U/P |
| 9.644 | 28.5607 | 0.0000 | 73.687 | 6.05609 | 0.00000 | 471621.8 | 126068.6 | 0.0 | U/P |
| 9.667 | 28.4396 | 0.0000 | 73.704 | 6.06248 | 0.00000 | 473901.8 | 126553.3 | 0.0 | U/P |
| 8.689 | 28.3533 | 0.0000 | 73.721 | 6.06882 | 0.00000 | 476173.5 | 127038.6 | 0.0 | U/P |
| 9.711 | 28.2928 | 0.0000 | 73.738 | 6.07513 | 0.00000 | 478439.4 | 127524.3 | 0.0 | U/P |
| 9.733 | 28.2491 | 0.0000 | 73.755 | 6.08141 | 0.00000 | 480701.1 | 128010.6 | 0.0 | U/P |
| 9.756 | 28.2171 | 0.0000 | 73.772 | 6.08767 | 0.00000 | 482959.7 | 128497.4 | 0.0 | U/P |
| 9.778 | 28.1944 | 0.0000 | 73.789 | 6.09392 | 0.00000 | 485216.2 | 128984.6 | 0.0 | U/P |
| 9.800 | 28.1779 | 0.0000 | 73.805 | 6.10015 | 0.00000 | 487471.1 | 129472.4 | 0.0 | U/P |
| 9.822 | 28.1661 | 0.0000 | 73.822 | 6.10636 | 0.00000 | 489724.8 | 129960.6 | 0.0 | U/P |
| 9.844 | 28.1577 | 0.0000 | 73.839 | 6.11257 | 0.00000 | 491977.8 | 130449.4 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 2-100 Year/24 Hour Routing

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (fl datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 9.867 | 28.1517 | 0.0000 | 73.856 | 6.11876 | 0.00000 | 494230.2 | 130938.6 | 0.0 | U/P |
| 9.889 | 28.1473 | 0.0000 | 73.872 | 6.12495 | 0.00000 | 496482.1 | 131428.4 | 0.0 | U/P |
| 9.911 | 28.1442 | 0.0000 | 73.889 | 6.13112 | 0.00000 | 498733.8 | \$31918.6 | 0.0 | U/P |
| 9.933 | 28.1420 | 0.0000 | 73.905 | 6.13729 | 0.00000 | 500985.2 | 132409.4 | 0.0 | U/P |
| 9.956 | 28.1405 | 0.0000 | 73.922 | 6.14345 | 0.00000 | 503236.5 | 132900.6 | 0.0 | U/P |
| 9.978 | 28.1393 | 0.0000 | 73.939 | 6.14960 | 0.00000 | 505487.7 | 133392.3 | 0.0 | U/P |
| 10.000 | 28.1385 | 0.0000 | 73.955 | 6.15574 | 0.00000 | 507738.8 | 133884.5 | 0.0 | U/P |
| 10.022 | 28.0067 | 0.0000 | 73.972 | 6.16186 | 0.00000 | 509984.6 | 134377.3 | 0.0 | U/P |
| 10.044 | 27.5256 | 0.0000 | 73.988 | 6.16793 | 0.00000 | 512205.9 | 134870.4 | 0.0 | U/P |
| 10.067 | 26.4298 | 0.0000 | 74.003 | 6.17374 | 0.00000 | 514364.1 | 135364.1 | 0.0 | U/P |
| 10.089 | 24.7207 | 0.0000 | 74.018 | 6.17885 | 0.00000 | 516410.2 | 135858.2 | 0.0 | U/P |
| 10.111 | 22.7201 | 0.0000 | 74.031 | 6.18323 | 0.00000 | 518307.8 | 136352.7 | 0.0 | U/P |
| 10.133 | 20.7598 | 0.0000 | 74.043 | 6.18716 | 0.00000 | 520047.0 | 136847.6 | 0.0 | U/P |
| 10.156 | 19.0482 | 0.0000 | 74.053 | 6.19063 | 0.00000 | 521639.3 | 137342.7 | 0.0 | U/P |
| 10.178 | 17.7363 | 0.0000 | 74.062 | 6.19370 | 0.00000 | 523110.7 | 137838.1 | 0.0 | U/P |
| 10.200 | 16.8104 | 0.0000 | 74.070 | 6.19646 | 0.00000 | 524492.6 | 138333.7 | 0.0 | U/P |
| 10.222 | 16.1545 | 0.0000 | 74.078 | 6.19899 | 0.00000 | 525811.1 | 138829.5 | 0.0 | U/P |
| 10.244 | 15.6757 | 0.0000 | 74.085 | 6.20136 | 0.00000 | 527084.3 | 139325.5 | 0.0 | U/P |
| 10.267 | 15.3298 | 0.0000 | 74.092 | 6.20361 | 0.00000 | 528324.6 | 139821.7 | 0.0 | U/P |
| 10.289 | 15.0806 | 0.0000 | 74.099 | 6.20577 | 0.00000 | 529541.0 | 140318.1 | 0.0 | U/P |
| 10.311 | 14.9005 | 0.0000 | 74.106 | 6.20788 | 0.00000 | 530740.3 | 140814.6 | 0.0 | U/P |
| 10.333 | 14.7714 | 0.0000 | 74.112 | 6.20993 | 0.00000 | 531927.1 | 141311.3 | 0.0 | U/P |
| 10.356 | 14.6783 | 0.0000 | 74.118 | 6.21196 | 0.00000 | 533105.1 | 141808.2 | 0.0 | U/P |
| 10.378 | 14.6106 | 0.0000 | 74.125 | 6.21396 | 0.00000 | 534276.6 | 142305.3 | 0.0 | U/P |
| 10.400 | 14.5617 | 0.0000 | 74.131 | 6.21595 | 0.00000 | 535443.5 | 142802.5 | 0.0 | U/P |
| 10.422 | 14.5265 | 0.0000 | 74.137 | 6.21792 | 0.00000 | 536607.1 | 143299.8 | 0.0 | U/P |
| 10.444 | 14.5010 | 0.0000 | 74.143 | 6.21988 | 0.00000 | 537768.1 | 143797.3 | 0.0 | U/P |
| 10.467 | 14.4816 | 0.0000 | 74.149 | 6.22183 | 0.00000 | 538927.4 | 144295.0 | 0.0 | U/P |
| 10.489 | 14.4671 | 0.0000 | 74.155 | 6.22378 | 0.00000 | 540085.4 | 144792.8 | 0.0 | U/P |
| 10.511 | 14.4573 | 0.0000 | 74.162 | 6.22572 | 0.00000 | 541242.4 | 145290.8 | 0.0 | U/P |
| 10.533 | 14.4737 | 0.0000 | 74.168 | 6.22767 | 0.00000 | 542399.6 | 145788.9 | 0.0 | U/P |
| 10.556 | 14.5410 | 0.0000 | 74.174 | 6.22961 | 0.00000 | 543560.2 | 146287.2 | 0.0 | U/P |
| 10.578 | 14.6884 | 0.0000 | 74.180 | 6.23158 | 0.00000 | 544729.4 | 146785.7 | 0.0 | U/P |
| 10.600 | 14.8981 | 0.0000 | 74.186 | 6.23357 | 0.00000 | 545912.9 | 147284.3 | 0.0 | U/P |
| 10.622 | 15.1256 | 0.0000 | 74.193 | 6.23561 | 0.00000 | 547113.8 | 147783.0 | 0.0 | U/P |
| 10.644 | 15.3383 | 0.0000 | 74.200 | 6.23770 | 0.00000 | 548332.4 | 148282.0 | 0.0 | U/P |
| 10.667 | 15.5177 | 0.0000 | 74.206 | 6.23984 | 0.00000 | 549566.6 | 148781.1 | 0.0 | U/P |
| 10.689 | 15.6474 | 0.0000 | 74.213 | 6.24202 | 0.00000 | 550813.2 | 149280.3 | 0.0 | U/P |
| 10.711 | 15.7380 | 0.0000 | 74.220 | 6.24423 | 0.00000 | 552068.6 | 149779.8 | 0.0 | U/P |
| 10.733 | 15,8029 | 0.0000 | 74.227 | 6.24646 | 0.00000 | 553330.3 | 150279.4 | 0.0 | U/P |
| 10.756 | 15.8508 | 0.0000 | 74.235 | 6.24870 | 0.00000 | 554596.4 | 150779.2 | 0.0 | U/P |
| 10.778 | 15.8849 | 0.0000 | 74.242 | 6.25096 | 0.00000 | 555865.8 | 151279.2 | 0.0 | U/P |
| 10.800 | 15.9097 | 0.0000 | 74.249 | 6.25322 | 0.00000 | 557137.6 | 151779.4 | 0.0 | U/P |
| 10.822 | 15.9276 | 0.0000 | 74.256 | 6.25549 | 0.00000 | 558411.1 | 152279.7 | 0.0 | U/P |
| 10.844 | 15.9404 | 0.0000 | 74.263 | 6.25775 | 0.00000 | 559685.8 | 152780.3 | 0.0 | U/P |
| 10.867 | 15.9497 | 0.0000 | 74.270 | 6.26002 | 0.00000 | 560961.4 | 153281.0 | 0.0 | U/P |
| 10.889 | 15.9564 | 0.0000 | 74.277 | 6.26230 | 0.00000 | 562237.6 | 153781.9 | 0.0 | U/P |
| 10.911 | 15.9613 | 0.0000 | 74.285 | 6.26457 | 0.00000 | 563514.4 | 154282.9 | 0.0 | U/P |
| 10.933 | 15.9648 | 0.0000 | 74.292 | 6.26684 | 0.00000 | 564791.4 | 154784.2 | 0.0 | U/P |
| 10.956 | 15.9674 | 0.0000 | 74.299 | 6.26911 | 0.00000 | 566068.7 | 155285.6 | 0.0 | U/P |
| 10.978 | 15.9694 | 0.0000 | 74.306 | 6.27138 | 0.00000 | 567346.2 | 155787.3 | 0.0 | U/P |
| 11.000 | 15.9340 | 0.0000 | 74.313 | 6.27365 | 0.00000 | 568622.3 | 156289.1 | 0.0 | U/P |
| 11.022 | 15.7547 | 0.0000 | 74.320 | 6.27590 | 0.00000 | 569889.9 | 156791.0 | 0.0 | U/P |
| 11.044 | 15.3077 | 0.0000 | 74.327 | 6.27810 | 0.00000 | 571132.4 | 157293.2 | 0.0 | U/P |
| 11.067 | 14.5306 | 0.0000 | 74.334 | 6.28019 | 0.00000 | 572325.9 | 157795.5 | 0.0 | U/P |
| 11.089 | 13.5503 | 0.0000 | 74.339 | 6.28211 | 0.00000 | 573449.1 | 158298.0 | 0.0 0.0 | U/P |
| 11.111 | 12.5498 | 0.0000 | 74.344 | 6.28380 | 0.00000 | 574493.1 | 158800.7 | 0.0 | U/P |
| 11.133 | 11.6507 | 0.0000 | 74.349 | 6.28527 | 0.00000 | 575461.1 | 159303.4 | 0.0 | U/P |
| 11.156 | 10.9315 | 0.0000 | 74.352 | 6.28654 | 0.00000 | 576364.4 | 159806.3 | 0.0 | U/P |
| 11.178 | 10.4195 | 0.0000 | 74.355 | 6.28763 | 0.00000 | 577218.4 | 160309.3 | 0.0 | U/P |
| 11.200 | 10.0599 | 0.0000 | 74.358 | 6.28861 | 0.00000 | 578037.6 | 160812.3 | 0.0 | U/P |
| 11.222 | 9.7995 | 0.0000 | 74.361 | 6.28949 | 0.00000 | 578832.0 | 161315.5 | 0.0 | U/P |
| 11.244 | 9.6093 | 0.0000 | 74.364 | 6.29032 | 0.00000 | 579608.4 | 161818.7 | 0.0 | U/P |
| 11.267 | 9.4732 | 0.0000 | 74.366 | 6.29109 | 0.00000 | 580371.7 | 162321.9 | 0.0 | U/P |
| 11.289 | 9.3744 | 0.0000 | 74.368 | 6.29184 | 0.00000 | 581125.6 | 162825.2 | 0.0 | U/P |
| 11.311 | 9.3036 | 0.0000 | 74.370 | 6.29256 | 0.00000 | 581872.7 | 163328.6 | 0.0 | U/P |
| 11.333 | 9.2527 | 0.0000 | 74.373 | 6.29326 | 0.00000 | 582614.9 | 163832.0 | 0.0 0.0 | U/P |
| 11.356 | 9.2157 | 0.0000 | 74.375 | 6.29395 | 0.00000 | 583353.7 | 164335.5 | 0.0 | U/P |
| 11.378 | 9.1889 | 0.0000 | 74.377 74.379 | 6.29464 | 0.00000 | 584089.9 | 164839.1 | 0.0 0.0 | U/P |
| 11.400 | 9.1696 | 0.0000 | 74.379 74.381 | 6.29531 | 0.00000 | 584824.2 | 165342.71 | 0.0 0.0 | U/P |
| 11.422 | 9.1557 | 0.0000 | 74.381 | 6.29598 | 0.00000 | 585557.2 | 165846.3 | 0.0 0.0 | U/P |
| 11.444 | 9.1453 | 0.0000 | 74.383 | 6.29665 | 0.00000 | 586289.3 | 166350.0 | 0.0 | U/P |
| 11.467 | 9.1373 | 0.0000 | 74.385 | 6.29731 | 0.00000 | 587020.6 | 166853.8 | 0.0 | U/P |
| 11.489 | 9.1318 | 0.0000 | 74.387 | 6.29797 | 0.00000 | 587751.3 | 167357.6 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 2 -100 Year/24 Hour Routing

| Elapsed Time (hours) | inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (fiday) | Stage Elevation (ft datum) | Infiltration Rate (f $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 11.511 | 9.1246 | 0.0000 | 74.390 | 6.29863 | 0.00000 | 588481.6 | 167861.5 | 0.0 | U/P |
| 11.533 | 9.1094 | 0.0000 | 74.392 | 6.29929 | 0.00000 | 589210.9 | 168365.4 | 0.0 | U/P |
| 11.556 | 9.0783 | 0.0000 | 74.394 | 6.29995 | 0.00000 | 589938.4 | 168869.3 | 0.0 | U/P |
| 11.578 | 8.0302 | 0.0000 | 74.396 | 6.30059 | 0.00000 | 590662.8 | 169373.4 | 0.0 | U/P |
| 11.600 | 8.9746 | 0.0000 | 74.398 | 6.30123 | 0.00000 | 591383.0 | 169877.4 | 0.0 | U/P |
| 11.622 | 8.9204 | 0.0000 | 74.400 | 6.30185 | 0.00000 | 592098.8 | 170381.6 | 0.0 | U/P |
| 11.644 | 8.8732 | 0.0000 | 74.402 | 6.30246 | 0.00000 | 592810.5 | 170885.7 | 0.0 | U/P |
| 11.667 | 8.8374 | 0.0000 | 74.403 | 6.30306 | 0.00000 | 593518.9 | 171390.0 | 0.0 | U/P |
| 11.689 | 8.8121 | 0.0000 | 74.405 | 6.30365 | 0.00000 | 594224.9 | 171894.2 | 0.0 | U/P |
| 11.711 | 8.7941 | 0.0000 | 74.407 | 6.30424 | 0.00000 | 594929.2 | 172398.5 | 0.0 | U/P |
| 11.733 | 8.7810 | 0.0000 | 74.409 | 6.30482 | 0.00000 | 595632.2 | 172902.9 | 0.0 | U/P |
| 11.756 | 8.7716 | 0.0000 | 74.411 | 6.30539 | 0.00000 | 596334.3 | 173407.3 | 0.0 | U/P |
| 11.778 | 8.7648 | 0.0000 | 74.413 | 6.30597 | 0.00000 | 597035.8 | 173911.8 | 0.0 | U/P |
| 11.800 | 8.7598 | 0.0000 | 74.414 | 6.30654 | 0.00000 | 597736.7 | 174416.3 | 0.0 | U/P |
| 11.822 | 8.7563 | 0.0000 | 74.416 | 6.30711 | 0.00000 | 598437.4 | 174920.8 | 0.0 | U/P |
| 11.844 | 8.7538 | 0.0000 | 74.418 | 6.30768 | 0.00000 | 599137.8 | 175425.4 | 0.0 | U/P |
| 11.867 | 8.7519 | 0.0000 | 74.420 | 6.30825 | 0.00000 | 599838.0 | 175930.0 | 0.0 | U/P |
| 11.889 | 8.7506 | 0.0000 | 74.422 | 6.30882 | 0.00000 | 600538.1 | 176434.7 | 0.0 | U/P |
| 11.911 | 8.7497 | 0.0000 | 74.423 | 6.30939 | 0.00000 | 601238.1 | 176939.5 | 0.0 | U/P |
| 11.933 | 8.7490 | 0.0000 | 74.425 | 6.30995 | 0.00000 | 601938.1 | 177444.2 | 0.0 | U/P |
| 11.956 | 8.7484 | 0.0000 | 74.427 | 6.31052 | 0.00000 | 602637.9 | 177949.0 | 0.0 | U/P |
| 11.978 | 8.7481 | 0.0000 | 74.429 | 6.31109 | 0.00000 | 603337.8 | 178453.9 | 0.0 | U/P |
| 12.000 | 8.7478 | 0.0000 | 74.430 | 6.31165 | 0.00000 | 604037.6 | 178958.8 | 0.0 | U/P |
| 12.022 | 8.7533 | 0.0000 | 74.432 | 6.31222 | 0.00000 | 604737.7 | 179463.8 | 0.0 | U/P |
| 12.044 | 8.7710 | 0.0000 | 74.434 | 6.31279 | 0.00000 | 605438.7 | 179968.8 | 0.0 | U/P |
| 12.067 | 8.8086 | 0.0000 | 74.436 | 6.31336 | 0.00000 | 606141.8 | 180473.8 | 0.0 | U/P |
| 12.089 | 8.8615 | 0.0000 | 74.438 | 6.31394 | 0.00000 | 606848.6 | 180978.9 | 0.0 | U/P |
| 12.111 | 8.9185 | 0.0000 | 74.440 | 6.31454 | 0.00000 | 607559.8 | 181484.0 | 0.0 | U/P |
| 12.133 | 8.9714 | 0.0000 | 74.442 | 6.31514 | 0.00000 | 608275.4 | 181989.2 | 0.0 | U/P |
| 12.156 | 9.0158 | 0.0000 | 74.443 | 6.31576 | 0.00000 | 608994.9 | 182494.5 | 0.0 | U/P |
| 12.178 | 9.0477 | 0.0000 | 74.445 | 6.31638 | 0.00000 | 609717.5 | 182999.8 | 0.0 | U/P |
| 12.200 | 9.0700 | 0.0000 | 74.447 | 6.31702 | 0.00000 | 610442.2 | 183505.1 | 0.0 | U/P |
| 12.222 | 9.0859 | 0.0000 | 74.450 | 6.31766 | 0.00000 | 611168.4 | 184010.5 | 0.0 | U/P |
| 12.244 | 9.0977 | 0.0000 | 74.452 | 6.31830 | 0.00000 | 611895.8 | 184515.9 | 0.0 | U/P |
| 12.267 | 9.1061 | 0.0000 | 74.454 | 6.31895 | 0.00000 | 612623.9 | 185021.4 | 0.0 | U/P |
| 12.289 | 9.1122 | 0.0000 | 74.456 | 6.31959 | 0.00000 | 613352.6 | 185527.0 | 0.0 | U/P |
| 12.311 | 9.1166 | 0.0000 | 74.458 | 6.32024 | 0.00000 | 614081.8 | 186032.5 | 0.0 | U/P |
| 12.333 | 9.1197 | 0.0000 | 74.460 | 6.32089 | 0.00000 | 614811.3 | 186538.2 | 0.0 | U/P |
| 12.356 | 9.1220 | 0.0000 | 74.462 | 6.32154 | 0.00000 | 615540.9 | 187043.9 | 0.0 | U/P |
| 12.378 | 9.1237 | 0.0000 | 74.464 | 6.32219 | 0.00000 | 616270.8 | 187549.6 | 0.0 | U/P |
| 12.400 | 9.1249 | 0.0000 | 74.466 | 6.32284 | 0.00000 | 617000.7 | 188055.4 | 0.0 | U/P |
| 12.422 | 9.1257 | 0.0000 | 74.468 | 6.32349 | 0.00000 | 617730.7 | 188561.3 | 0.0 | U/P |
| 12.444 | 9.1264 | 0.0000 | 74.470 | 6.32414 | 0.00000 | 618460.8 | 189067.2 | 0.0 | U/P |
| 12.467 | 9.1269 | 0.0000 | 74.472 | 6.32479 | 0.00000 | 619190.9 | 189573.2 | 0.0 | U/P |
| 12.489 | 9.1272 | 0.0000 | 74.474 | 6.32544 | 0.00000 | 619921.1 | 190079.2 | 0.0 | U/P |
| 12.511 | 9.1257 | 0.0000 | 74.476 | 6.32609 | 0.00000 | 620651.2 | 190585.2 | 0.0 | U/P |
| 12.533 | 9.1162 | 0.0000 | 74.478 | 6.32674 | 0.00000 | 621380.9 | 191091.3 | 0.0 | U/P |
| 12.556 | 9.0922 | 0.0000 | 74.480 | 6.32739 | 0.00000 | 622109.3 | 191597.5 | 0.0 | U/P |
| 12.578 | 9.0497 | 0.0000 | 74.482 | 6.32803 | 0.00000 | 622834.9 | 192103.7 | 0.0 | U/P |
| 12.600 | 8.9954 | 0.0000 | 74.484 | 6.32866 | 0.00000 | 623556.7 | 192610.0 | 0.0 | U/P |
| 12.622 | 8.9397 | 0.0000 | 74.486 | 6.32928 | 0.00000 | 624274.1 | 193116.3 | 0.0 | U/P |
| 12.644 | 8.8894 | 0.0000 | 74.488 | 6.32988 | 0.00000 | 624987.3 | 193622.7 | 0.0 | U/P |
| 12.667 | 8.8490 | 0.0000 | 74.490 | 6.33048 | 0.00000 | 625696.8 | 194129.1 | 0.0 | U/P |
| 12.689 | 8.8202 | 0.0000 | 74.492 | 6.33106 | 0.00000 | 626403.6 | 194635.5 | 0.0 | U/P |
| 12.711 | 8.8000 | 0.0000 | 74.494 | 6.33164 | 0.00000 | 627108.4 | 195142.1 | 0.0 | U/P |
| 12.733 | 8.7853 | 0.0000 | 74.495 | 6.33221 | 0.00000 | 627811.8 | 195648.6 | 0.0 | U/P |
| 12.756 | 8.7746 | 0.0000 | 74.497 | 6.33278 | 0.00000 | 628514.2 | 196155.2 | 0.0 | U/P |
| 12.778 | 8.7670 | 0.0000 | 74.499 | 6.33335 | 0.00000 | 629215.9 | 196661.9 | 0.0 | U/P |
| 12.800 | 8.7615 | 0.0000 | 74.501 | 6.33391 | 0.00000 | 629917.0 | 197168.5 | 0.0 | U/P |
| 12.822 | 8.7575 | 0.0000 | 74.502 | 6.33447 | 0.00000 | 630617.8 | 197675.3 | 0.0 | U/P |
| 12.844 | 8.7546 | 0.0000 | 74.504 | 6.33503 | 0.00000 | 631318.3 | 198182.1 | 0.0 | U/P |
| 12.867 | 8.7526 | 0.0000 | 74.506 | 6.33560 | 0.00000 | 632018.5 | 198688.9 | 0.0 | U/P |
| 12.889 | 8.7511 | 0.0000 | 74.508 | 6.33616 | 0.00000 | 632718.7 | 199195.8 | 0.0 | U/P |
| 12.911 | 8.7500 | 0.0000 | 74.509 | 6.33671 | 0.00000 | 633418.7 | 199702.7 | 0.0 | U/P |
| 12.933 | 8.7492 | 0.0000 | 74.511 | 6.33727 | 0.00000 | 634118.7 | 200209.6 | 0.0 | U/P |
| 12.956 | 8.7486 | 0.0000 | 74.513 | 6.33783 | 0.00000 | 634818.6 | 200716.6 | 0.0 | U/P |
| 12.978 | 8.7482 | 0.0000 | 74.515 | 6.33839 | 0.00000 | 635518.4 | 201223.7 | 0.0 | U/P |
| 13.000 | 8.7479 | 0.0000 | 74.517 | 6.33895 | 0.00000 | 636218.3 | 201730.8 | 0.0 | U/P |
| 13.022 | 8.7222 | 0.0000 | 74.518 | 6.33951 | 0.00000 | 636917.1 | 202237.9 | 0.0 | U/P |
| 13.044 | 8.6285 | 0.0000 | 74.520 | 6.34005 | 0.00000 | 637611.1 | 202745.1 | 0.0 | U/P |
| 13.067 | 8.4154 | 0.0000 | 74.522 | 6.34058 | 0.00000 | 638292.9 | 203252.3 | 0.0 | U/P |
| 13.089 | 8.0830 | 0.0000 | 74.523 | 6.34105 | 0.00000 | 638952.8 | 203759.6 | 0.0 | U/P |
| 13.111 | 7.6940 | 0.0000 | 74.524 | 6.34145 | 0.00000 | 639583.9 | 204266.9 | 0.0 | U/P |
| 13.133 | 7.3128 | 0.0000 | 74.525 | 6.34176 | 0.00000 | 640184.2 | 204774.2 | 0.0 | U/P |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: Pond 2-100 Year / 24 Hour Routing

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{H}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{H}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 13.156 | 6.9799 | 0.0000 | 74.526 | 6.34199 | 0.00000 | 640755.9 | 205281.6 | 0.0 | U/P |
| 13.178 | 6.7248 | 0.0000 | 74.526 | 6.34214 | 0.00000 | 641304.1 | 205788.9 | 0.0 | U/P |
| 13.200 | 6.5447 | 0.0000 | 74.526 | 6.34224 | 0.00000 | 641834.9 | 206296.3 | 0.0 | U/P |
| 13.222 | 6.4172 | 0.0000 | 74.526 | 6.34228 | 0.00000 | 642353.3 | 206803.7 | 0.0 | U/P |
| 13.244 | 6.3241 | 0.0000 | 74.526 | 6.34230 | 0.00000 | 642863.0 | 207311.1 | 0.0 | U/P |
| 13.267 | 6.2568 | 0.0000 | 74.526 | 6.34230 | 0.00000 | 643366.2 | 207818.5 | 0.0 | U/P |
| 13.289 | 6.2083 | 0.0000 | 74.526 | 6.34228 | 0.00000 | 643864.8 | 208325.8 | 0.0 | U/P |
| 13.311 | 6.1733 | 0.0000 | 74.526 | 6.34225 | 0.00000 | 644360.1 | 208833.2 | 0.0 | U/P |
| 13.333 | 6.1482 | 0.0000 | 74.526 | 6.34221 | 0.00000 | 644852.9 | 209340.6 | 0.0 | U/P |
| 13.356 | 6.1301 | 0.0000 | 74.526 | 6.34217 | 0.00000 | 645344.1 | 209848.0 | 0.0 | U/P |
| 13.378 | 6.1169 | 0.0000 | 74.526 | 6.34212 | 0.00000 | 645833.8 | 210355.4 | 0.0 | U/P |
| 13.400 | 6.1074 | 0.0000 | 74.525 | 6.34207 | 0.00000 | 646322.9 | 210862.7 | 0.0 | U/P |
| 13.422 | 6.1005 | 0.0000 | 74.525 | 6.34201 | 0.00000 | 646811.3 | 211370.1 | 0.0 | U/P |
| 13.444 | 6.0956 | 0.0000 | 74.525 | 6.34196 | 0.00000 | 647299.1 | 211877.5 | 0.0 | U/P |
| 13.467 | 6.0918 | 0.0000 | 74.525 | 6.34190 | 0.00000 | 647786.6 | 212384.8 | 0.0 | U/P |
| 13.489 | 6.0890 | 0.0000 | 74.525 | 6.34184 | 0.00000 | 648273.8 | 212892.2 | 0.0 | U/P |
| 13.511 | 6.0871 | 0.0000 | 74.525 | 6.34179 | 0.00000 | 648760.8 | 213399.5 | 0.0 | U/P |
| 13.533 | 6.0846 | 0.0000 | 74.524 | 6.34173 | 0.00000 | 649247.7 | 213906.8 | 0.0 | U/P |
| 13.556 | 6.0800 | 0.0000 | 74.524 | 6.34167 | 0.00000 | 649734.3 | 214414.2 | 0.0 | U/P |
| 13.578 | 6.0707 | 0.0000 | 74.524 | 6.34161 | 0.00000 | 650220.3 | 214921.5 | 0.0 | U/P |
| 13.600 | 6.0575 | 0.0000 | 74.524 | 6.34154 | 0.00000 | 650705.4 | 215428.8 | 0.0 | U/P |
| 13.622 | 6.0432 | 0.0000 | 74.524 | 6.34148 | 0.00000 | 651189.5 | 215936.2 | 0.0 | U/P |
| 13.644 | 6.0298 | 0.0000 | 74.523 | 6.34141 | 0.00000 | 651672.4 | 216443.5 | 0.0 | U/P |
| 13.667 | 6.0186 | 0.0000 | 74.523 | 6.34134 | 0.00000 | 652154.3 | 216950.8 | 0.0 | U/P |
| 13.689 | 6.0104 | 0.0000 | 74.523 | 6.34126 | 0.00000 | 652635.5 | 217458.1 | 0.0 | U/P |
| 13.711 | 6.0047 | 0.0000 | 74.523 | 6.34119 | 0.00000 | 653116.1 | 217965.4 | 0.0 | U/P |
| 13.733 | 6.0006 | 0.0000 | 74.522 | 6.34111 | 0.00000 | 653596.3 | 218472.7 | 0.0 | U/P |
| 13.756 | 5.9976 | 0.0000 | 74.522 | 6.34103 | 0.00000 | 654076.3 | 218980.0 | 0.0 | U/P |
| 13.778 | 5.9955 | 0.0000 | 74.522 | 6.34095 | 0.00000 | 654555.9 | 219487.2 | 0.0 | U/P |
| 13.800 | 5.9939 | 0.0000 | 74.522 | 6.34087 | 0.00000 | 655035.6 | 219994.5 | 0.0 | U/P |
| 13.822 | 5.9928 | 0.0000 | 74.521 | 6.34079 | 0.00000 | 655515.0 | 220501.8 | 0.0 | U/P |
| 13.844 | 5.9920 | 0.0000 | 74.521 | 6.34071 | 0.00000 | 655994.4 | 221009.0 | 0.0 | U/P |
| 13.867 | 5.9914 | 0.0000 | 74.521 | 6.34063 | 0.00000 | 656473.8 | 221516.3 | 0.0 | U/P |
| 13.889 | 5.9910 | 0.0000 | 74.521 | 6.34055 | 0.00000 | 656953.0 | 222023.5 | 0.0 | U/P |
| 13.911 | 5.9907 | 0.0000 | 74.520 | 6.34047 | 0.00000 | 657432.3 | 222530.8 | 0.0 | U/P |
| 13.933 | 5.9905 | 0.0000 | 74.520 | 6.34039 | 0.00000 | 657911.6 | 223038.0 | 0.0 | U/P |
| 13.956 | 5.9903 | 0.0000 | 74.520 | 6.34030 | 0.00000 | 658390.8 | 223545.2 | 0.0 | U/P |
| 13.978 | 5.9902 | 0.0000 | 74.520 | 6.34022 | 0.00000 | 658870.0 | 224052.5 | 0.0 | U/P |
| 14.000 | 5.9701 | 0.0000 | 74.519 | 6.34014 | 0.00000 | 659348.4 | 224559.7 | 0.0 | U/P |
| 14.022 | 5.8724 | 0.0000 | 74.519 | 6.34005 | 0.00000 | 659822.1 | 225066.9 | 0.0 | U/P |
| 14.044 | 5.6300 | 0.0000 | 74.519 | 6.33993 | 0.00000 | 660282.2 | 225574.1 | 0.0 | U/P |
| 14.067 | 5.2091 | 0.0000 | 74.518 | 6.33976 | 0.00000 | 660715.8 | 226081.3 | 0.0 | U/P |
| 14.089 | 4.6781 | 0.0000 | 74.517 | 6.33949 | 0.00000 | 661111.3 | 226588.4 | 0.0 | U/P |
| 14.111 | 4.1362 | 0.0000 | 74.515 | 6.33911 | 0.00000 | 661463.8 | 227095.6 | 0.0 | U/P |
| 14.133 | 3.6493 | 0.0000 | 74.514 | 6.33860 | 0.00000 | 661775.3 | 227602.7 | 0.0 | U/P |
| 14.156 | 3.2597 | 0.0000 | 74.512 | 6.33798 | 0.00000 | 662051.6 | 228109.8 | 0.0 | U/P |
| 14.178 | 2.9824 | 0.0000 | 74.509 | 6.33728 | 0.00000 | 662301.3 | 228616.8 | 0.0 | U/P |
| 14.200 | 2.7876 | 0.0000 | 74.507 | 6.33650 | 0.00000 | 662532.1 | 229123.7 | 0.0 | U/P |
| 14.222 | 2.6466 | 0.0000 | 74.504 | 6.33568 | 0.00000 | 662749.5 | 229630.6 | 0.0 | U/P |
| 14.244 | 2.5435 | 0.0000 | 74.501 | 6.33483 | 0.00000 | 662957.1 | 230137.4 | 0.0 | U/P |
| 14.267 | 2.4698 | 0.0000 | 74.499 | 6.33396 | 0.00000 | 663157.6 | 230644.2 | 0.0 | U/P |
| 14.289 | 2.4163 | 0.0000 | 74.496 | 6.33306 | 0.00000 | 663353.1 | 231150.9 | 0.0 | U/P |
| 14.311 | 2.3779 | 0.0000 | 74.493 | 6.33215 | 0.00000 | 663544.8 | 231657.5 | 0.0 | U/P |
| 14.333 | 2.3504 | 0.0000 | 74.490 | 6.33124 | 0.00000 | 663733.9 | 232164.0 | 0.0 | U/P |
| 14.356 | 2.3303 | 0.0000 | 74.487 | 6.33032 | 0.00000 | 663921.2 | 232670.5 | 0.0 | U/P |
| 14.378 | 2.3158 | 0.0000 | 74.484 | 6.32939 | 0.00000 | 664107.1 | 233176.9 | 0.0 | U/P |
| 14.400 | 2.3053 | 0.0000 | 74.481 | 6.32846 | 0.00000 | 664291.9 | 233683.2 | 0.0 | U/P |
| 14.422 | 2.2978 | 0.0000 | 74.478 | 6.32752 | 0.00000 | 664476.0 | 234189.4 | 0.0 | U/P |
| 14.444 | 2.2922 | 0.0000 | 74.475 | 6.32659 | 0.00000 | 664659.6 | 234695.6 | 0.0 | U/P |
| 14.467 | 2.2879 | 0.0000 | 74.472 | 6.32565 | 0.00000 | 664842.8 | 235201.7 | 0.0 | U/P |
| 14.489 | 2.2849 | 0.0000 | 74.469 | 6.32472 | 0.00000 | 665025.8 | 235707.7 | 0.0 | U/P |
| 14.511 | 2.2830 | 0.0000 | 74.466 | 6.32378 | 0.00000 | 665208.4 | 236213.6 | 0.0 | U/P |
| 14.533 | 2.2823 | 0.0000 | 74.463 | 6.32284 | 0.00000 | 665391.1 | 236719.5 | 0.0 | U/P |
| 14.556 | 2.2823 | 0.0000 | 74.460 | 6.32190 | 0.00000 | 665573.6 | 237225.3 | 0.0 | U/P |
| 14.578 | 2.2822 | 0.0000 | 74.457 | 6.32097 | 0.00000 | 665756.3 | 237731.0 | 0.0 | U/P |
| 14.600 | 2.2822 | 0.0000 | 74.455 | 6.32003 | 0.00000 | 665938.8 | 238236.6 | 0.0 | U/P |
| 14.622 | 2.2821 | 0.0000 | 74.452 | 6.31909 | 0.00000 | 666121.4 | 238742.2 | 0.0 | U/P |
| 14.644 | 2.2821 | 0.0000 | 74.449 | 6.31815 | 0.00000 | 666303.9 | 239247.7 | 0.0 | U/P |
| 14.667 | 2.2820 | 0.0000 | 74.446 | 6.31721 | 0.00000 | 666486.5 | 239753.1 | 0.0 | U/P |
| 14.689 | 2.2820 | 0.0000 | 74.443 | 6.31628 | 0.00000 | 666669.1 | 240258.4 | 0.0 | U/P |
| \$4.711 | 2.2820 | 0.0000 | 74.440 | 6.31534 | 0.00000 | 666851.6 | 240763.7 | 0.0 | U/P |
| 14.733 | 2.2820 | 0.0000 | 74.437 | 6.31440 | 0.00000 | 667034.2 | 241268.9 | 0.0 | U/P |
| 14.756 | 2.2820 | 0.0000 | 74.434 | 6.31346 | 0.00000 | 667216.8 | 241774.0 | 0.0 | U/P |
| 14.778 | 2.2820 | 0.0000 | 74.431 | 6.31253 | 0.00000 | 667399.3 | 242279.0 | 0.0 | U/P |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: Pond 2-100 Year / 24 Hour Routing

| Elapsed Time (hours) | Inflow Rate (f13/s) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{fl}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative <br> Discharge <br> Volume ( $\mathrm{t}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 14.800 | 2.2820 | 0.0000 | 74.428 | 6.31159 | 0.00000 | 667581.9 | 242784.0 | 0.0 | U/P |
| 14.822 | 2.2819 | 0.0000 | 74.425 | 6.31065 | 0.00000 | 667764.4 | 243288.9 | 0.0 | U/P |
| 14.844 | 2.2819 | 0.0000 | 74.422 | 6.30972 | 0.00000 | 667946.9 | 243793.7 | 0.0 | U/P |
| 14.867 | 2.2819 | 0.0000 | 74.419 | 6.30878 | 0.00000 | 668129.5 | 244298.5 | 0.0 | U/P |
| 14.889 | 2.2819 | 0.0000 | 74.416 | 6.30784 | 0.00000 | 668312.1 | 244803.1 | 0.0 | U/P |
| 14.911 | 2.2819 | 0.0000 | 74.413 | 6.30690 | 0.00000 | 668494.6 | 245307.7 | 0.0 | U/P |
| 14.933 | 2.2819 | 0.0000 | 74.410 | 6.30597 | 0.00000 | 668677.2 | 245812.2 | 0.0 | U/P |
| 14.956 | 2.2819 | 0.0000 | 74.407 | 6.30503 | 0.00000 | 668859.8 | 246316.7 | 0.0 | U/P |
| 14.978 | 2.2819 | 0.0000 | 74.404 | 6.30409 | 0.00000 | 669042.3 | 246821.0 | 0.0 | U/P |
| 15.000 | 2.2819 | 0.0000 | 74.401 | 6.30316 | 0.00000 | 669224.9 | 247325.3 | 0.0 | U/P |
| 15.022 | 2.2819 | 0.0000 | 74.398 | 6.30222 | 0.00000 | 669407.4 | 247829.5 | 0.0 | U/P |
| 15.044 | 2.2820 | 0.0000 | 74.395 | 6.30128 | 0.00000 | 669589.9 | 248333.7 | 0.0 | U/P |
| 15.067 | 2.2820 | 0.0000 | 74.392 | 6.30035 | 0.00000 | 669772.5 | 248837.8 | 0.0 | U/P |
| 15.089 | 2.2821 | 0.0000 | 74.389 | 6.29941 | 0.00000 | 669955.1 | 249341.7 | 0.0 | U/P |
| 15.111 | 2.2821 | 0.0000 | 74.387 | 6.29848 | 0.00000 | 670137.6 | 249845.7 | 0.0 | U/P |
| 15.133 | 2.2822 | 0.0000 | 74.384 | 6.29754 | 0.00000 | 670320.3 | 250349.5 | 0.0 | U/P |
| 15.156 | 2.2822 | 0.0000 | 74.381 | 6.29660 | 0.00000 | 670502.8 | 250853.3 | 0.0 | U/P |
| 15.778 | 2.2823 | 0.0000 | 74.378 | 6.29567 | 0.00000 | 670685.4 | 251357.0 | 0.0 | U/P |
| 15.200 | 2.2823 | 0.0000 | 74.375 | 6.29473 | 0.00000 | 670867.9 | 251860.6 | 0.0 | U/P |
| 15.222 | 2.2823 | 0.0000 | 74.372 | 6.29380 | 0.00000 | 671050.6 | 252364.1 | 0.0 | U/P |
| 15.244 | 2.2823 | 0.0000 | 74.369 | 6.29286 | 0.00000 | 671233.1 | 252867.6 | 0.0 | U/P |
| 15.267 | 2.2823 | 0.0000 | 74.366 | 6.29193 | 0.00000 | 671415.7 | 253371.0 | 0.0 | U/P |
| 15.289 | 2.2823 | 0.0000 | 74.363 | 6.29099 | 0.00000 | 671598.3 | 253874.3 | 0.0 | U/P |
| 15.311 | 2.2823 | 0.0000 | 74.360 | 6.29005 | 0.00000 | 671780.9 | 254377.5 | 0.0 | U/P |
| 15.333 | 2.2823 | 0.0000 | 74.357 | 6.28912 | 0.00000 | 671963.5 | 254880.7 | 0.0 | U/P |
| 15.356 | 2.2823 | 0.0000 | 74.354 | 6.28818 | 0.00000 | 672146.1 | 255383.8 | 0. | U/P |
| 15.378 | 2.2824 | 0.0000 | 74.351 | 6.28725 | 0.00000 | 672328.6 | 255886.8 | 0.0 | U/P |
| 15.400 | 2.2824 | 0.0000 | 74.348 | 6.28631 | 0.00000 | 672511.3 | 256389.7 | 0.0 | U/P |
| 15.422 | 2.2824 | 0.0000 | 74.345 | 6.28538 | 0.00000 | 672693.8 | 256892.6 | 0.0 | U/P |
| 15.444 | 2.2824 | 0.0000 | 74.342 | 6.28444 | 0.00000 | 672876.4 | 257395.4 | 0.0 | U/P |
| 15.467 | 2.2824 | 0.0000 | 74.339 | 6.28351 | 0.00000 | 673059.0 | 257898.1 | 0.0 | U/P |
| 15.489 | 2.2824 | 0.0000 | 74.336 | 6.28258 | 0.00000 | 673241.6 | 258400.8 | 0.0 | U/P |
| 15.511 | 2.2805 | 0.0000 | 74.333 | 6.28164 | 0.00000 | 673424.1 | 258903.3 | 0. | U/P |
| 15.533 | 2.2710 | 0.0000 | 74.330 | 6.28070 | 0.00000 | 673606.2 | 259405.8 | 0.0 | U/P |
| 15.556 | 2.2469 | 0.0000 | 74.328 | 6.27977 | 0.00000 | 673786.9 | 259908.3 | 0.0 | U/P |
| 15.578 | 2.2043 | 0.0000 | 74.325 | 6.27882 | 0.00000 | 673964.9 | 260410.6 | 0.0 | U/P |
| 15.600 | 2.1500 | 0.0000 | 74.322 | 6.27787 | 0.00000 | 674139.1 | 260912.9 | 0.0 | U/P |
| 15.622 | 2.0942 | 0.0000 | 74.318 | 6.27690 | 0.00000 | 674308.9 | 261415.0 | 0.0 | U/P |
| 15.644 | 2.0439 | 0.0000 | 74.315 | 6.27593 | 0.00000 | 674474.4 | 261917.2 | 0.0 | U/P |
| 15.667 | 2.0034 | 0.0000 | 74.312 | 6.27494 | 0.00000 | 674636.3 | 262419.2 | 0.0 | U/P |
| 15.689 | 1.9745 | 0.0000 | 74.309 | 6.27394 | 0.00000 | 674795.4 | 262921.2 | 0.0 | U/P |
| 15.711 | 1.9543 | 0.0000 | 74.306 | 6.27293 | 0.00000 | 674952.6 | 263423.0 | 0.0 | U/P |
| 15.733 | 1.9396 | 0.0000 | 74.303 | 6.27192 | 0.00000 | 675108.3 | 263924.8 | 0.0 | U/P |
| 15.756 | 1.9289 | 0.0000 | 74.299 | 6.27091 | 0.00000 | 675263.1 | 264426.5 | 0.0 | U/P |
| 15.778 | 1.9213 | 0.0000 | 74.296 | 6.26989 | 0.00000 | 675417.1 | 264928.2 | 0.0 | U/P |
| 15.800 | 1.9157 | 0.0000 | 74.293 | 6.26888 | 0.00000 | 675570.6 | 265429.7 | 0.0 | U/P |
| 15.822 | 1.9117 | 0.0000 | 74.290 | 6.26786 | 0.00000 | 675723.6 | 265931.2 | 0.0 | U/P |
| 15.844 | 1.9088 | 0.0000 | 74.287 | 6.26684 | 0.00000 | 675876.4 | 266432.6 | 0.0 | U/P |
| 15.867 | 1.9068 | 0.0000 | 74.283 | 6.26582 | 0.00000 | 676029.1 | 266933.9 | 0.0 | U/P |
| 15.889 | 1.9053 | 0.0000 | 74.280 | 6.26479 | 0.00000 | 676181.6 | 267435.1 | 0.0 | U/P |
| 15.911 | 1.9042 | 0.0000 | 74.277 | 6.26377 | 0.00000 | 676333.9 | 267936.3 | 0.0 | U/P |
| 15.933 | 1.9034 | 0.0000 | 74.274 | 6.26275 | 0.00000 | 676486.3 | 268437.3 | 0.0 | U/P |
| 15.956 | 1.9028 | 0.0000 | 74.270 | 6.26173 | 0.00000 | 676638.5 | 268938.3 | 0.0 | U/P |
| 15.978 | 1.9024 | 0.0000 | 74.267 | 6.26071 | 0.00000 | 676790.7 | 269439.2 | 0.0 | U/P |
| 16.000 | 1.9020 | 0.0000 | 74.264 | 6.25969 | 0.00000 | 676942.9 | 269940.0 | 0.0 | U/P |
| 16.022 | 1.8982 | 0.0000 | 74.261 | 6.25866 | 0.00000 | 677094.9 | 270440.7 | 0.0 | U/P |
| 16.044 | 1.8847 | 0.0000 | 74.258 | 6.25764 | 0.00000 | 677246.2 | 270941.4 | 0.0 | U/P |
| 16.067 | 1.8543 | 0.0000 | 74.254 | 6.25661 | 0.00000 | 677395.8 | 271442.0 | 0.0 | U/P |
| 16.089 | 1.8068 | 0.0000 | 74.251 | 6.25558 | 0.00000 | 677542.2 | 271942.4 | 0.0 | U/P |
| 16.111 | 1.7511 | 0.0000 | 74.248 | 6.25453 | 0.00000 | 677684.5 | 272442.8 | 0.0 | U/P |
| 16.133 | 1.6966 | 0.0000 | 74.244 | 6.25348 | 0.00000 | 677822.4 | 272943.2 | 0.0 | U/P |
| 16.156 | 1.6490 | 0.0000 | 74.241 | 6.25241 | 0.00000 | 677956.3 | 273443.4 | 0.0 | U/P |
| 16.178 | 1.6126 | 0.0000 | 74.238 | 6.25133 | 0.00000 | 678086.7 | 273943.6 | 0.0 | U/P |
| 16.200 | 1.5868 | 0.0000 | 74.234 | 6.25024 | 0.00000 | 678214.7 | 274443.6 | 0.0 | U/P |
| 16.222 | 1.5686 | 0.0000 | 74.231 | 6.24915 | 0.00000 | 678340.9 | 274943.6 | 0.0 | U/P |
| 16.244 | 1.5553 | 0.0000 | 74.227 | 6.24805 | 0.00000 | 678465.9 | 275443.5 | 0.0 | U/P |
| 16.267 | 1.5456 | 0.0000 | 74.224 | 6.24694 | 0.00000 | 678589.9 | 275943.3 | 0.0 | U/P |
| 16.289 | 1.5387 | 0.0000 | 74.220 | 6.24584 | 0.00000 | 678713.3 | 276443.0 | 0.0 | U/P |
| 16.311 | 1.5337 | 0.0000 | 74.217 | 6.24473 | 0.00000 | 678836.2 | 276942.6 | 0.0 | U/P |
| 16.333 | 1.5301 | 0.0000 | 74.213 | 6.24363 | 0.00000 | 678958.7 | 277442.2 | 0.0 | U/P |
| 16.356 | 1.5275 | 0.0000 | 74.210 | 6.24252 | 0.00000 | 679081.0 | 277941.6 | 0.0 | U/P |
| 16.378 | 1.5256 | 0.0000 | 74.206 | 6.24141 | 0.00000 | 679203.1 | 278440.9 | 0.0 | U/P |
| 16.400 | 1.5243 | 0.0000 | 74.203 | 6.24030 | 0.00000 | 679325.1 | 278940.2 | 0.0 | U/P |
| 16.422 | 1.5233 | 0.0000 | 74.199 | 6.23919 | 0.00000 | 679447.1 | 279439.4 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 2 - 100 Year / 24 Hour Routing

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (fvday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / 5}$ ) | Overflow Discharge $\left(t^{3} / \mathrm{s}\right)$ | Cumurative inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 16.444 | 1.5226 | 0.0000 | 74.196 | 6.23808 | 0.00000 | 679568.9 | 279938.5 | 0.0 | U/P |
| 16.467 | 1.5221 | 0.0000 | 74.192 | 6.23697 | 0.00000 | 679690.7 | 280437.5 | 0.0 | U/P |
| 16.489 | 1.5216 | 0.0000 | 74.189 | 6.23586 | 0.00000 | 679812.4 | 280936.4 | 0.0 | U/P |
| 16.511 | 1.5214 | 0.0000 | 74.185 | 6.23475 | 0.00000 | 679934.1 | 281435.2 | 0.0 | U/P |
| 16.533 | 1.5281 | 0.0000 | 74.182 | 6.23364 | 0.00000 | 680056.1 | 281934.0 | 0.0 | U/P |
| 16.556 | 1.5495 | 0.0000 | 74.178 | 6.23254 | 0.00000 | 680179.2 | 282432.6 | 0.0 | U/P |
| 16.578 | 1.5956 | 0.0000 | 74.175 | 6.23143 | 0.00000 | 680305.0 | 282931.2 | 0.0 | U/P |
| 16.600 | 1.6612 | 0.0000 | 74.171 | 6.23034 | 0.00000 | 680435.3 | 283429.6 | 0.0 | U/P |
| 16.622 | 1.7323 | 0.0000 | 74.168 | 6.22927 | 0.00000 | 680571.1 | 283828.0 | 0.0 | U/P |
| 16.644 | 1.7988 | 0.0000 | 74.165 | 6.22821 | 0.00000 | 680712.3 | 284426.3 | 0.0 | U/P |
| 16.667 | 1.8549 | 0.0000 | 74.161 | 6.22716 | 0.00000 | 680858.4 | 284924.5 | 0.0 | U/P |
| 16.689 | 1.8954 | 0.0000 | 74.158 | 6.22613 | 0.00000 | 681008.4 | 285422.7 | 0.0 | U/P |
| 16.711 | 1.9237 | 0.0000 | 74.155 | 6.22511 | 0.00000 | 681161.2 | 285920.7 | 0.0 | U/P |
| 16.733 | 1.9440 | 0.0000 | 74.152 | 6.22409 | 0.00000 | 681315.9 | 286418.7 | 0.0 | U/P |
| 16.756 | 1.9590 | 0.0000 | 74.149 | 6.22308 | 0.00000 | 681472.1 | 286916.6 | 0.0 | U/P |
| 16.778 | 1.9696 | 0.0000 | 74.145 | 6.22208 | 0.00000 | 681629.2 | 287414.4 | 0.0 | U/P |
| 16.800 | 1.9774 | 0.0000 | 74.142 | 6.22108 | 0.00000 | 681787.1 | 287912.1 | 0.0 | U/P |
| 16.822 | 1.9830 | 0.0000 | 74.139 | 6.22007 | 0.00000 | 681945.5 | 288409.8 | 0.0 | U/P |
| 16.844 | 1.9870 | 0.0000 | 74.136 | 6.21907 | 0.00000 | 682104.3 | 288907.3 | 0.0 | U/P |
| 16.867 | 1.9899 | 0.0000 | 74.133 | 6.21807 | 0.00000 | 682263.4 | 289404.8 | 0.0 | U/P |
| 16.889 | 1.9920 | 0.0000 | 74.130 | 6.21708 | 0.00000 | 682422.6 | 289902.2 | 0.0 | U/P |
| 16.911 | 1.9935 | 0.0000 | 74.127 | 6.21608 | 0.00000 | 682582.1 | 290399.5 | 0.0 | U/P |
| 16.933 | 1.9946 | 0.0000 | 74.123 | 6.21508 | 0.00000 | 682741.6 | 290896.8 | 0.0 | U/P |
| 16.956 | 1.9954 | 0.0000 | 74.120 | 6.21408 | 0.00000 | 682901.1 | 291393.9 | 0.0 | U/P |
| 16.978 | 1.9960 | 0.0000 | 74.117 | 6.21309 | 0.00000 | 683060.8 | 291891.0 | 0.0 | U/P |
| 17.000 | 1.9980 | 0.0000 | 74.114 | 6.21209 | 0.00000 | 683220.6 | 292388.0 | 0.0 | U/P |
| 17.022 | 2.0058 | 0.0000 | 74.111 | 6.21110 | 0.00000 | 683380.7 | 292885.0 | 0.0 | U/P |
| 17.044 | 2.0246 | 0.0000 | 74.108 | 6.21010 | 0.00000 | 683541.9 | 293381.8 | 0.0 | U/P |
| 17.067 | 2.0570 | 0.0000 | 74.105 | 6.20911 | 0.00000 | 683705.2 | 293878.6 | 0.0 | U/P |
| 17.089 | 2.0979 | 0.0000 | 74.102 | 6.20813 | 0.00000 | 683871.4 | 294375.3 | 0.0 | U/P |
| 17.111 | 2.1396 | 0.0000 | 74.098 | 6.20716 | 0.00000 | 684040.9 | 294871.9 | 0.0 | U/P |
| 17.133 | 2.1771 | 0.0000 | 74.095 | 6.20620 | 0.00000 | 684213.6 | 295368.4 | 0.0 | U/P |
| 17.156 | 2.2071 | 0.0000 | 74.092 | 6.20525 | 0.00000 | 684388.9 | 295864.9 | 0.0 | U/P |
| 17.178 | 2.2285 | 0.0000 | 74.089 | 6.20430 | 0.00000 | 684566.4 | 296361.3 | 0.0 | U/P |
| 17.200 | 2.2435 | 0.0000 | 74.087 | 6.20336 | 0.00000 | 684745.3 | 296857.6 | 0.0 | U/P |
| 17.222 | 2.2543 | 0.0000 | 74.084 | 6.20242 | 0.00000 | 684925.1 | 297353.8 | 0.0 | U/P |
| 17.244 | 2.2623 | 0.0000 | 74.081 | 6.20149 | 0.00000 | 685105.8 | 297850.0 | 0.0 | U/P |
| 17.267 | 2.2679 | 0.0000 | 74.078 | 6.20055 | 0.00000 | 685287.0 | 298346.0 | 0.0 | U/P |
| 17.289 | 2.2721 | 0.0000 | 74.075 | 6.19962 | 0.00000 | 685468.6 | 298842.0 | 0.0 | U/P |
| 17.311 | 2.2750 | 0.0000 | 74.072 | 6.19869 | 0.00000 | 685650.5 | 299338.0 | 0.0 | U/P |
| 17.333 | 2.2771 | 0.0000 | 74.069 | 6.19776 | 0.00000 | 685832.6 | 299833.8 | 0.0 | U/P |
| 17.356 | 2.2787 | 0.0000 | 74.066 | 6.19684 | 0.00000 | 686014.8 | 300329.6 | 0.0 | U/P |
| 17.378 | 2.2798 | 0.0000 | 74.063 | 6.19591 | 0.00000 | 686197.2 | 300825.3 | 0.0 | U/P |
| 17.400 | 2.2806 | 0.0000 | 74.060 | 6.19498 | 0.00000 | 686379.6 | 301321.0 | 0.0 | U/P |
| 17.422 | 2.2812 | 0.0000 | 74.057 | 6.19405 | 0.00000 | 686562.1 | 301816.5 | 0.0 | U/P |
| 17.444 | 2.2816 | 0.0000 | 74.054 | 6.19312 | 0.00000 | 686744.6 | 302312.0 | 0.0 | U/P |
| 17.467 | 2.2820 | 0.0000 | 74.051 | 6.19220 | 0.00000 | 686927.1 | 302807.4 | 0.0 | U/P |
| 17.489 | 2.2822 | 0.0000 | 74.048 | 6.19127 | 0.00000 | 687109.7 | 303302.8 | 0.0 | U/P |
| 17.511 | 2.2785 | 0.0000 | 74.045 | 6.19034 | 0.00000 | 687292.1 | 303798.0 | 0.0 | U/P |
| 17.533 | 2.2647 | 0.0000 | 74.043 | 6.18942 | 0.00000 | 687473.8 | 304293.2 | 0.0 | U/P |
| 17.556 | 2.2334 | 0.0000 | 74.040 | 6.18848 | 0.00000 | 687653.8 | 304788.3 | 0.0 | U/P |
| 17.578 | 2.1852 | 0.0000 | 74.037 | 6.18754 | 0.00000 | 687830.5 | 305283.4 | 0.0 | U/P |
| 17.600 | 2.1295 | 0.0000 | 74.034 | 6.18659 | 0.00000 | 688003.1 | 305778.3 | 0.0 | U/P |
| 17.622 | 2.0751 | 0.0000 | 74.031 | 6.18563 | 0.00000 | 688171.3 | 306273.2 | 0.0 | U/P |
| 17.644 | 2.0279 | 0.0000 | 74.027 | 6.18466 | 0.00000 | 688335.4 | 306768.0 | 0.0 | U/P |
| 17.667 | 1.9919 | 0.0000 | 74.024 | 6.18367 | 0.00000 | 688496.2 | 307262.8 | 0.0 | U/P |
| 17.689 | 1.9665 | 0.0000 | 74.021 | 6.18268 | 0.00000 | 688654.5 | 307757.4 | 0.0 | U/P |
| 17.711 | 1.9486 | 0.0000 | 74.018 | 6.18168 | 0.00000 | 688811.1 | 308252.0 | 0.0 | U/P |
| 17.733 | 1.9354 | 0.0000 | 74.015 | 6.18067 | 0.00000 | 688966.5 | 308746.5 309240.9 | 0.0 0.0 | U/P |
| 17.756 | 1.9259 | 0.0000 | 74.012 | 6.17966 | 0.00000 | 689120.9 | 309240.9 | 0.0 0.0 | U/P |
| 17.778 | 1.9191 | 0.0000 | 74.008 | 6.17865 | 0.00000 | 689274.8 | 309735.3 310229.5 | 0.0 0.0 | U/P |
| 17.800 | 1.9141 | 0.0000 | 74.005 | 6.17764 | 0.00000 | 689428.1 | 310229.5 310723.7 | 0.0 0.0 | U/P |
| 17.822 | 1.9106 | 0.0000 | 74.002 | 6.17663 | 0.00000 | 689581.1 | 311217.8 | 0.0 0.0 | U/P |
| 17.844 | 1.9081 | 0.0000 | 73.999 | 6.17558 | 0.00000 0.00000 | 689733.8 689886.4 | 311217.8 311711.8 | 0.0 0.0 | U/P |
| 17.867 | 1.9062 | 0.0000 | 73.996 | 6.17445 6.17326 | 0.00000 0.00000 | 689886.4 690038.8 | 311711.8 312205.7 | 0.0 0.0 | U/P |
| 17.889 | 1.9049 | 0.0000 | 73.992 | 6.17326 | 0.00000 | 690038.8 | 312205.7 | 0.0 | U/P |
| 17.911 | 1.9039 | 0.0000 | 73.989 | 6.17208 | 0.00000 | 690191.1 | 312699.5 | 0.0 | U/P |
| 17.933 | 1.9032 | 0.0000 | 73.986 | 6.17089 | 0.00000 | 690343.4 | 313193.2 | 0.0 | U/P |
| 17.956 | 1.9027 | 0.0000 | 73.983 | 6.16970 | 0.00000 | 690495.7 | 313686.8 | 0.0 | U/P |
| 17.978 | 1.9023 | 0.0000 | 73.980 | 6.16851 | 0.00000 | 690647.9 | 314180.3 | 0.0 | U/P |
| 18.000 | 1.9020 | 0.0000 | 73.976 | 6.16732 | 0.00000 | 690800.1 | 314673.8 | 0.0 | U/P |
| 18.022 | 1.8961 | 0.0000 | 73.973 | 6.16613 | 0.00000 | 690951.9 | 315167.1 | 0.0 | U/P |
| 18.044 | 1.8784 | 0.0000 | 73.970 | 6.16494 | 0.00000 | 691102.9 | 315660.4 | 0.0 | U/P |
| 18.067 | 1.8407 | 0.0000 | 73.967 | 6.16375 | 0.00000 | 691251.7 | 316153.5 | 0.0 | U/P |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: Pond 2 - 100 Year/24 Hour Routing

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | infiltration Rate (ft ${ }^{3 / 5}$ ) | Overlow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative <br> Discharge <br> Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 18.089 | 1.7877 | 0.0000 | 73.964 | 6.16254 | 0.00000 | 691396.9 | 316646.6 | 0.0 | U/P |
| 18.111 | 1.7306 | 0.0000 | 73.960 | 6.16132 | 0.00000 | 691537.6 | 317139.5 | 0.0 | U/P |
| 18.133 | 1.6775 | 0.0000 | 73.957 | 6.16008 | 0.00000 | 691673.9 | 317632.4 | 0.0 | U/P |
| 18.156 | 1.6330 | 0.0000 | 73.954 | 6.15883 | 0.00000 | 691806.3 | 318125.1 | 0.0 | U/P |
| 18.178 | 1.6011 | 0.0000 | 73.950 | 6.15757 | 0.00000 | 691935.7 | 318617.8 | 0.0 | U/P |
| 18.200 | 1.5788 | 0.0000 | 73.947 | 6.15630 | 0.00000 | 692062.9 | 319110.3 | 0.0 | U/P |
| 18.222 | 1.5628 | 0.0000 | 73.943 | 6.15502 | 0.00000 | 692188.6 | 319602.8 | 0.0 | U/P |
| 18.244 | 1.5510 | 0.0000 | 73.940 | 6.15374 | 0.00000 | 692313.1 | 320095.2 | 0.0 | U/P |
| 18.267 | \$.5426 | 0.0000 | 73.936 | 6.15246 | 0.00000 | 692436.9 | 320587.4 | 0.0 | U/P |
| 18.289 | 1.5365 | 0.0000 | 73.933 | 6.15117 | 0.00000 | 692560.0 | 321079.5 | 0.0 | U/P |
| 18.311 | 1.5321 | 0.0000 | 73.929 | 6.14988 | 0.00000 | 692682.8 | 321571.6 | 0.0 | U/P |
| 18.333 | 1.5290 | 0.0000 | 73.926 | 6.14859 | 0.00000 | 692805.2 | 322063.5 | 0.0 | U/P |
| 18.356 | 1.5267 | 0.0000 | 73.922 | 6.14730 | 0.00000 | 692927.4 | 322555.3 | 0.0 | U/P |
| 18.378 | 1.5251 | 0.0000 | 73.919 | 6.14601 | 0.00000 | 693049.5 | 323047.1 | 0.0 | U/P |
| 18.400 | 1.5239 | 0.0000 | 73.915 | 6.14471 | 0.00000 | 693171.5 | 323538.7 | 0.0 | U/P |
| 18.422 | 1.5230 | 0.0000 | 73.912 | 6.14342 | 0.00000 | 693293.4 | 324030.3 | 0.0 | U/P |
| 18.444 | 1.5224 | 0.0000 | 73.908 | 6.14213 | 0.00000 | 693415.2 | 324521.7 | 0.0 | U/P |
| 18.467 | 1.5219 | 0.0000 | 73.905 | 6.14084 | 0.00000 | 693536.9 | 325013.0 | 0.0 | U/P |
| 18.489 | 1.5215 | 0.0000 | 73.901 | 6.13954 | 0.00000 | 693658.7 | 325504.2 | 0.0 | U/P |
| 18.511 | 1.5231 | 0.0000 | 73.898 | 6.13825 | 0.00000 | 693780.4 | 325995.3 | 0.0 | U/P |
| 18.533 | 1.5326 | 0.0000 | 73.895 | 6.13696 | 0.00000 | 693902.7 | 326486.3 | 0.0 | U/P |
| 18.556 | 1.5567 | 0.0000 | 73.891 | 6.13567 | 0.00000 | 694026.3 | 326977.2 | 0.0 | U/P |
| 18.578 | 1.5992 | 0.0000 | 73.888 | 6.13439 | 0.00000 | 694152.5 | 327468.0 | 0.0 | U/P |
| 18.600 | 1.6536 | 0.0000 | 73.884 | 6.13312 | 0.00000 | 694282.6 | 327958.7 | 0.0 | U/P |
| 18.622 | 1.7094 | 0.0000 | 73.881 | 6.13186 | 0.00000 | 694417.1 | 328449.3 | 0.0 | U/P |
| 18.644 | 1.7597 | 0.0000 | 73.878 | 6.13062 | 0.00000 | 694555.9 | 328939.8 | 0.0 | U/P |
| 18.667 | 1.8002 | 0.0000 | 73.874 | 6.12940 | 0.00000 | 694698.3 | 329430.2 | 0.0 | U/P |
| 18.689 | 1.8291 | 0.0000 | 73.871 | 6.12818 | 0.00000 | 694843.4 | 329920.5 | 0.0 | U/P |
| 18.711 | 1.8493 | 0.0000 | 73.868 | 6.12698 | 0.00000 | 694990.6 | 330410.7 | 0.0 | U/P |
| 18.733 | 1.8639 | 0.0000 | 73.865 | 6.12578 | 0.00000 | 695139.1 | 330900.8 | 0.0 | U/P |
| 18.756 | 1.8747 | 0.0000 | 73.861 | 6.12458 | 0.00000 | 695288.7 | 331390.8 | 0.0 | U/P |
| 18.778 | 1.8823 | 0.0000 | 73.858 | 6.12339 | 0.00000 | 695438.9 | 331880.8 | 0.0 | U/P |
| 18.800 | 1.8879 | 0.0000 | 73.855 | 6.12220 | 0.00000 | 695589.8 | 332370.6 | 0.0 | U/P |
| 18.822 | 1.8919 | 0.0000 | 73.852 | 6.12101 | 0.00000 | 695740.9 | 332860.3 | 0.0 | U/P |
| 18.844 | 1.8947 | 0.0000 | 73.849 | 6.11982 | 0.00000 | 695892.4 | 333350.0 | 0.0 | U/P |
| 18.867 | 1.8968 | 0.0000 | 73.845 | 6.11864 | 0.00000 | 696044.1 | 333839.5 | 0.0 | U/P |
| 18.889 | 1.8983 | 0.0000 | 73.842 | 6.11745 | 0.00000 | 696195.9 | 334328.9 | 0.0 | U/P |
| 18.911 | 1.8994 | 0.0000 | 73.839 | 6.11626 | 0.00000 | 696347.8 | 334818.3 | 0.0 | U/P |
| 18.933 | 1.9002 | 0.0000 | 73.836 | 6.11508 | 0.00000 | 696499.8 | 335307.5 | 0.0 | U/P |
| 18.956 | 1.9008 | 0.0000 | 73.833 | 6.11389 | 0.00000 | 696651.8 | 335796.7 | 0.0 | U/P |
| 18.978 | 1.9012 | 0.0000 | 73.829 | 6.11271 | 0.00000 | 696803.9 | 336285.8 | 0.0 | U/P |
| 19.000 | 1.9015 | 0.0000 | 73.826 | 6.11153 | 0.00000 | 686956.0 | 336774.8 | 0.0 | U/P |
| 19.022 | 1.8944 | 0.0000 | 73.823 | 6.11034 | 0.00000 | 697107.8 | 337263.6 | 0.0 | U/P |
| 19.044 | 1.8678 | 0.0000 | 73.820 | 6.10915 | 0.00000 | 697258.3 | 337752.4 | 0.0 | U/P |
| 19.067 | 1.8069 | 0.0000 | 73.817 | 6.10796 | 0.00000 | 697405.3 | 338241.1 | 0.0 | U/P |
| 19.089 | 1.7119 | 0.0000 | 73.813 | 6.10675 | 0.00000 | 697546.1 | 338729.7 | 0.0 | U/P |
| 19.111 | 1.6007 | 0.0000 | 73.810 | 6.10551 | 0.00000 | 697678.6 | 339218.2 | 0.0 | U/P |
| 19.133 | 1.4917 | 0.0000 | 73.806 | 6.10424 | 0.00000 | 697802.3 | 339706.6 | 0.0 | U/P |
| 19.156 | 1.3966 | 0.0000 | 73.803 | 6.10294 | 0.00000 | 697917.8 | 340194.8 | 0.0 | U/P |
| 19.178 | 1.3237 | 0.0000 | 73.799 | 6.10162 | 0.00000 | 698026.6 | 340683.0 | 0.0 | U/P |
| 19.200 | 1.2722 | 0.0000 | 73.796 | 6.10028 | 0.00000 | 698130.4 | 341171.1 | 0.0 | U/P |
| 19.222 | 1.2358 | 0.0000 | 73.792 | 6.09892 | 0.00000 | 698230.8 | 341659.1 | 0.0 | U/P |
| 19.244 | \$.2091 | 0.0000 | 73.788 | 6.09755 | 0.00000 | 698328.6 | 342146.9 | 0.0 | U/P |
| 19.267 | 1.1899 | 0.0000 | 73.785 | 6.09617 | 0.00000 | 698424.5 | 342634.7 | 0.0 | U/P |
| 19.289 | 1.1761 | 0.0000 | 73.781 | 6.09479 | 0.00000 | 698519.1 | 343122.3 | 0.0 | U/P |
| 19.311 | 1.1660 | 0.0000 | 73.777 | 6.09340 | 0.00000 | 698612.8 | 343609.8 | 0.0 | U/P |
| 19.333 | 1.1589 | 0.0000 | 73.773 | 6.09201 | 0.00000 | 698705.8 | 344097.3 | 0.0 | U/P |
| 19.356 | 1.1537 | 0.0000 | 73.770 | 6.09062 | 0.00000 | 698798.3 | 344584.6 | 0.0 | UP |
| 19.378 | 1.1499 | 0.0000 | 73.766 | 6.08923 | 0.00000 | 698890.5 | 345071.8 | 0.0 | U/P |
| 19.400 | 1.1472 | 0.0000 | 73.762 | 6.08783 | 0.00000 | 698982.4 | 345558.8 | 0.0 | U/P |
| 19.422 | 1.1453 | 0.0000 | 73.758 | 6.08644 | 0.00000 | 699074.1 | 346045.8 | 0.0 | U/P |
| 19.444 | 1.1438 | 0.0000 | 73.755 | 6.08504 | 0.00000 | 699165.6 | 346532.7 | 0.0 | U/P |
| 19.467 | 1.1428 | 0.0000 | 73.751 | 6.08365 | 0.00000 | 699257.1 | 347019.4 | 0.0 | U/P |
| 19.489 | 1.1419 | 0.0000 | 73.747 | 6.08225 | 0.00000 | 699348.5 | 347506.0 | 0.0 0.0 | U/P |
| 19.511 | 1.1414 | 0.0000 | 73.743 | 6.08085 | 0.00000 | 699439.8 | 347992.6 | 0.0 | U/P |
| 19.533 | 1.1477 | 0.0000 | 73.739 | 6.07946 | 0.00000 | 699531.4 | 348479.0 | 0.0 | U/P |
| 19.556 | 1.1682 | 0.0000 | 73.736 | 6.07807 | 0.00000 | 699624.0 | 348965.3 | 0.0 | U/P |
| 19.578 | 1.2125 | 0.0000 | 73.732 | 6.07668 | 0.00000 | 699719.3 | 349451.5 | 0.0 0.0 | U/P |
| 19.600 | 1.2754 | 0.0000 | 73.728 | 6.07530 | 0.00000 | 699818.8 | 349937.6 | 0.0 | U/P |
| 19.622 | 1.3437 | 0.0000 | 73.725 | 6.07395 | 0.00000 | 699923.5 | 350423.5 | 0.0 | U/P |
| 19.644 | 1.4076 | 0.0000 | 73.721 | 6.07261 | 0.00000 | 700033.6 | 350909.4 | 0.0 | U/P |
| 19.667 | 1.4614 | 0.0000 | 73.718 | 6.07129 | 0.00000 | 700148.3 | 351395.1 | 0.0 | U/P |
| 19,689 | 1.5003 | 0.0000 | 73.714 | 6.06998 | 0.00000 | 700266.8 | 351880.8 | 0.0 | U/P |
| 19.711 | 1.5275 | 0.0000 | 73.711 | 6.06869 | 0.00000 | 700387.9 | 352366.3 | 0.0 | U/P |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: Pond 2-100 Year/24 Hour Routing

| Elapsed Time (hours) | Inflow Rate (f13/s) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 19.733 | 1.5470 | 0.0000 | 73.707 | 6.06740 | 0.00000 | 700510.9 | 352851.8 | 0.0 | U/P |
| 19.756 | 1.5613 | 0.0000 | 73.704 | 6.06612 | 0.00000 | 700635.2 | 353337.1 | 0.0 | U/P |
| 19.778 | 1.5716 | 0.0000 | 73.700 | 6.06484 | 0.00000 | 700760.5 | 353822.3 | 0.0 | U/P |
| 19.800 | 1.5790 | 0.0000 | 73.697 | 6.06357 | 0.00000 | 700886.6 | 354307.5 | 0.0 | U/P |
| 19.822 | 1.5844 | 0.0000 | 73.693 | 6.06230 | 0.00000 | 701013.1 | 354792.5 | 0.0 | U/P |
| 19.844 | 1.5882 | 0.0000 | 73.690 | 6.06103 | 0.00000 | 701140.0 | 355277.5 | 0.0 | U/P |
| 19.867 | 1.5910 | 0.0000 | 73.687 | 6.05976 | 0.00000 | 701267.1 | 355762.3 | 0.0 | U/P |
| 19.889 | 1.5930 | 0.0000 | 73.683 | 6.05849 | 0.00000 | 701394.5 | 356247.0 | 0.0 | U/P |
| 19.911 | 1.5944 | 0.0000 | 73.680 | 6.05723 | 0.00000 | 701522.0 | 356731.7 | 0.0 | U/P |
| 19.933 | 1.5955 | 0.0000 | 73.676 | 6.05596 | 0.00000 | 701649.6 | 357216.2 | 0.0 | U/P |
| 19.956 | 1.5962 | 0.0000 | 73.673 | 6.05469 | 0.00000 | 701777.3 | 357700.6 | 0.0 | U/P |
| 19.978 | 1.5968 | 0.0000 | 73.670 | 6.05343 | 0.00000 | 701905.0 | 358184.9 | 0.0 | U/P |
| 20.000 | 1.5928 | 0.0000 | 73.666 | 6.05216 | 0.00000 | 702032.6 | 358669.2 | 0.0 | U/P |
| 20.022 | 1.5710 | 0.0000 | 73.663 | 6.05090 | 0.00000 | 702159.1 | 359153.3 | 0.0 | U/P |
| 20.044 | 1.5164 | 0.0000 | 73.659 | 6.04962 | 0.00000 | 702282.6 | 359637.3 | 0.0 | U/P |
| 20.067 | 1.4214 | 0.0000 | 73.656 | 6.04833 | 0.00000 | 702400.1 | 360121.2 | 0.0 | U/P |
| 20.089 | 1.3016 | 0.0000 | 73.652 | 6.04701 | 0.00000 | 702509.1 | 360605.0 | 0.0 | U/P |
| 20.111 | 1.1793 | 0.0000 | 73.648 | 6.04566 | 0.00000 | 702608.3 | 361088.8 | 0.0 | U/P |
| 20.133 | 1.0694 | 0.0000 | 73.645 | 6.04428 | 0.00000 | 702698.3 | 361572.3 | 0.0 | U/P |
| 20.156 | 0.9814 | 0.0000 | 73.641 | 6.04287 | 0.00000 | 702780.3 | 362055.8 | 0.0 | U/P |
| 20.178 | 0.9188 | 0.0000 | 73.637 | 6.04143 | 0.00000 | 702856.3 | 362539.2 | 0.0 | U/P |
| 20.200 | 0.8749 | 0.0000 | 73.633 | 6.03998 | 0.00000 | 702928.0 | 363022.4 | 0.0 | U/P |
| 20.222 | 0.8430 | 0.0000 | 73.629 | 6.03851 | 0.00000 | 702996.8 | 363505.6 | 0.0 | U/P |
| 20.244 | 0.8198 | 0.0000 | 73.625 | 6.03703 | 0.00000 | 703063.3 | 363988.6 | 0.0 | U/P |
| 20.267 | 0.8031 | 0.0000 | 73.621 | 6.03554 | 0.00000 | 703128.2 | 364471.5 | 0.0 | U/P |
| 20.289 | 0.7911 | 0.0000 | 73.617 | 6.03405 | 0.00000 | 703191.9 | 364954.3 | 0.0 | U/P |
| 20.311 | 0.7824 | 0.0000 | 73.613 | 6.03256 | 0.00000 | 703254.9 | 365437.0 | 0.0 | U/P |
| 20.333 | 0.7762 | 0.0000 | 73.609 | 6.03107 | 0.00000 | 703317.3 | 365919.5 | 0.0 | U/P |
| 20.356 | 0.7716 | 0.0000 | 73.605 | 6.02957 | 0.00000 | 703379.1 | 366401.9 | 0.0 | U/P |
| 20.378 | 0.7684 | 0.0000 | 73.601 | 6.02807 | 0.00000 | 703440.8 | 366884.3 | 0.0 | U/P |
| 20.400 | 0.7660 | 0.0000 | 73.597 | 6.02657 | 0.00000 | 703502.1 | 367366.4 | 0.0 | U/P |
| 20.422 | 0.7643 | 0.0000 | 73.593 | 6.02507 | 0.00000 | 703563.3 | 367848.5 | 0.0 | U/P |
| 20.444 | 0.7630 | 0.0000 | 73.589 | 6.02357 | 0.00000 | 703624.4 | 368330.4 | 0.0 | U/P |
| 20.467 | 0.7621 | 0.0000 | 73.585 | 6.02207 | 0.00000 | 703685.4 | 368812.3 | 0.0 | U/P |
| 20.489 | 0.7614 | 0.0000 | 73.581 | 6.02057 | 0.00000 | 703746.4 | 369294.0 | 0.0 | U/P |
| 20.511 | 0.7648 | 0.0000 | 73.577 | 6.01907 | 0.00000 | 703807.4 | 369775.6 | 0.0 | U/P |
| 20.533 | 0.7785 | 0.0000 | 73.573 | 6.01757 | 0.00000 | 703869.1 | 370257.0 | 0.0 | U/P |
| 20.556 | 0.8098 | 0.0000 | 73.569 | 6.01607 | 0.00000 | 703932.7 | 370738.4 | 0.0 | U/P |
| 20.578 | 0.8579 | 0.0000 | 73.565 | 6.01459 | 0.00000 | 703999.4 | 371219.6 | 0.0 | U/P |
| 20.600 | 0.9136 | 0.0000 | 73.561 | 6.01311 | 0.00000 | 704070.3 | 371700.7 | 0.0 | U/P |
| 20.622 | 0.9679 | 0.0000 | 73.557 | 6.01165 | 0.00000 | 704145.5 | 372181.7 | 0.0 | U/P |
| 20.644 | 1.0151 | 0.0000 | 73.553 | 6.01021 | 0.00000 | 704224.8 | 372662.6 | 0.0 | U/P |
| 20.667 | 1.0510 | 0.0000 | 73.549 | 6.00878 | 0.00000 | 704307.4 | 373143.3 | 0.0 | U/P |
| 20.689 | 1.0763 | 0.0000 | 73.545 | 6.00736 | 0.00000 | 704392.6 | 373624.0 | 0.0 | U/P |
| 20.711 | 1.0943 | 0.0000 | 73.541 | 6.00595 | 0.00000 | 704479.4 | 374104.5 | 0.0 | U/P |
| 20.733 | 1.1074 | 0.0000 | 73.538 | 6.00455 | 0.00000 | 704567.4 | 374584.9 | 0.0 | U/P |
| 20.756 | 1.1169 | 0.0000 | 73.534 | 6.00315 | 0.00000 | 704656.4 | 375065.2 | 0.0 | U/P |
| 20.778 | 1.1237 | 0.0000 | 73.530 | 6.00175 | 0.00000 | 704746.1 | 375545.4 | 0.0 | U/P |
| 20.800 | 1.1287 | 0.0000 | 73.526 | 6.00035 | 0.00000 | 704836.1 | 376025.5 | 0.0 | U/P |
| 20.822 | 1.1322 | 0.0000 | 73.523 | 5.99895 | 0.00000 | 704926.6 | 376505.5 | 0.0 | U/P |
| 20.844 | 1.1348 | 0.0000 | 73.519 | 5.99756 | 0.00000 | 705017.3 | 376985.3 | 0.0 | U/P |
| 20.867 | 1.1366 | 0.0000 | 73.515 | 5.99617 | 0.00000 | 705108.1 | 377465.1 | 0.0 | U/P |
| 20.889 | 1.1380 | 0.0000 | 73.511 | 5.99477 | 0.00000 | 705199.1 | 377944.7 | 0.0 | U/P |
| 20.911 | 1.1389 | 0.0000 | 73.508 | 5.99338 | 0.00000 | 705290.2 | 378424.3 | 0.0 | U/P |
| 20.933 | 1.1396 | 0.0000 | 73.504 | 5.99199 | 0.00000 | 705381.3 | 378903.7 | 0.0 | U/P |
| 20.956 | 1.1402 | 0.0000 | 73.500 | 5.99060 | 0.00000 | 705472.5 | 379383.0 | 0.0 | U/P |
| 20.978 | 1.1406 | 0.0000 | 73.496 | 5.98921 | 0.00000 | 705563.8 | 379862.2 | 0.0 | U/P |
| 21.000 | 1.1408 | 0.0000 | 73.493 | 5.98781 | 0.00000 | 705655.0 | 380341.3 | 0.0 | U/P |
| 21.022 | 1.1353 | 0.0000 | 73.489 | 5.98642 | 0.00000 | 705746.0 | 380820.2 | 0.0 | U/P |
| 21.044 | \$.1176 | 0.0000 | 73.485 | 5.98503 | 0.00000 | 705836.1 | 381299.1 | 0.0 | U/P |
| 21.067 | 1.0800 | 0.0000 | 73.481 | 5.98363 | 0.00000 | 705924.1 | 381777.8 | 0.0 | U/P |
| 21.089 | 1.0270 | 0.0000 | 73.477 | 5.98222 | 0.00000 | 706008.3 | 382256.4 | 0.0 | U/P |
| 21.111 | 0.9700 | 0.0000 | 73.474 | 5.98080 | 0.00000 | 706088.2 | 382735.0 | 0.0 | U/P |
| 21.133 | 0.9170 | 0.0000 | 73.470 | 5.97936 | 0.00000 | 706163.7 | 383213.4 | 0.0 | U/P |
| 21.156 | 0.8725 | 0.0000 | 73.466 | 5.97790 | 0.00000 | 706235.3 | 383691.7 | 0.0 | U/P |
| 21.178 | 0.8406 | 0.0000 | 73.462 | 5.97644 | 0.00000 | 706303.8 | 384169.8 | 0.0 | U/P |
| 21.200 | 0.8184 | 0.0000 | 73.458 | 5.97496 | 0.00000 | 706370.2 | 384647.9 | 0.0 | U/P |
| 21.222 | 0.8024 | 0.0000 | 73.454 | 5.97348 | 0.00000 | 706435.0 | 385125.8 | 0.0 | U/P |
| 21.244 | 0.7906 | 0.0000 | 73.450 | 5.97199 | 0.00000 | 706498.7 | 385603.7 | 0.0 | U/P |
| 21.267 | 0.7822 | 0.0000 | 73.446 | 5.97050 | 0.00000 | 706561.6 | 386081.3 | 0.0 | U/P |
| 21.289 | 0.7761 | 0.0000 | 73.442 | 5.96900 | 0.00000 | 706623.9 | 386558.9 | 0.0 | U/P |
| 21.311 | 0.7717 | 0.0000 | 73.438 | 5.96751 | 0.00000 | 706685.9 | 387036.4 | 0.0 | U/P |
| 21.333 | 0.7686 | 0.0000 | 73.434 | 5.96601 | 0.00000 | 706747.5 | 387513.8 | 0.0 | U/P |
| 21.356 | 0.7663 | 0.0000 | 73.430 | 5.96452 | 0.00000 | 706808.9 | 387991.0 | 0.0 | U/P |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: Pond 2 - 100 Year/ 24 Hour Routing

| Elapsed Time (hours) | Inflow Rate (fishs) | Outside Recharge (ftday) | Stage Elevation (fi datum) | Infiltration Rate (ft3/s) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{t}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 21.378 | 0.7647 | 0.0000 | 73.426 | 5.96302 | 0.00000 | 706870.1 | 388468.1 | 0.0 | U/P |
| 21.400 | 0.7635 | 0.0000 | 73.422 | 5.96152 | 0.00000 | 706931.3 | 388945.0 | 0.0 | U/P |
| 21.422 | 0.7626 | 0.0000 | 73.418 | 5.96002 | 0.00000 | 706992.3 | 389421.9 | 0.0 | U/P |
| 21.444 | 0.7620 | 0.0000 | 73.414 | 5.95852 | 0.00000 | 707053.3 | 389898.7 | 0.0 | U/P |
| 21.467 | 0.7615 | 0.0000 | 73.409 | 5.95702 | 0.00000 | 707114.3 | 390375.3 | 0.0 | U/P |
| 21.489 | 0.7612 | 0.0000 | 73.405 | 5.95552 | 0.00000 | 707175.1 | 390851.8 | 0.0 | U/P |
| 21.511 | 0.7646 | 0.0000 | 73.401 | 5.95403 | 0.00000 | 707236.2 | 391328.2 | 0.0 | U/P |
| 21.533 | 0.7835 | 0.0000 | 73.397 | 5.95253 | 0.00000 | 707298.1 | 391804.4 | 0.0 | U/P |
| 21.556 | 0.8316 | 0.0000 | 73.393 | 5.95104 | 0.00000 | 707362.7 | 392280.6 | 0.0 | U/P |
| 21.578 | 0.9167 | 0.0000 | 73.389 | 5.94956 | 0.00000 | 707432.6 | 392756.6 | 0.0 | U/P |
| 21.600 | 1.0253 | 0.0000 | 73.386 | 5.94811 | 0.00000 | 707510.3 | 393232.5 | 0.0 | U/P |
| 21.622 | 1.1368 | 0.0000 | 73.382 | 5.94669 | 0.00000 | 707596.8 | 393708.3 | 0.0 | U/P |
| 21.644 | 1.2373 | 0.0000 | 73.378 | 5.94530 | 0.00000 | 707691.8 | 394184.0 | 0.0 | U/P |
| 21.667 | 1.3182 | 0.0000 | 73.374 | 5.94394 | 0.00000 | 707794.0 | 394659.5 | 0.0 | U/P |
| 21.689 | 1.3759 | 0.0000 | 73.371 | 5.94260 | 0.00000 | 707901.8 | 395135.0 | 0.0 | U/P |
| 21.711 | 1.4163 | 0.0000 | 73.367 | 5.94127 | 0.00000 | 708013.4 | 395610.3 | 0.0 | U/P |
| 21.733 | 1.4456 | 0.0000 | 73.364 | 5.93997 | 0.00000 | 708127.9 | 396085.6 | 0.0 | U/P |
| 21.756 | 1.4670 | 0.0000 | 73.360 | 5.93866 | 0.00000 | 708244.4 | 396560.7 | 0.0 | U/P |
| 21.778 | 1.4823 | 0.0000 | 73.357 | 5.93737 | 0.00000 | 708362.4 | 397035.8 | 0.0 | U/P |
| 21.800 | 1.4934 | 0.0000 | 73.353 | 5.93608 | 0.00000 | 708481.4 | 397510.7 | 0.0 | U/P |
| 21.822 | 1.5014 | 0.0000 | 73.350 | 5.93479 | 0.00000 | 708601.2 | 397985.5 | 0.0 | U/P |
| 21.844 | 1.5071 | 0.0000 | 73.346 | 5.93351 | 0.00000 | 708721.5 | 398460.3 | 0.0 | U/P |
| 21.867 | 1.5112 | 0.0000 | 73.343 | 5.93223 | 0.00000 | 708842.3 | 398934.9 | 0.0 | U/P |
| 21.889 | 1.5143 | 0.0000 | 73.340 | 5.93095 | 0.00000 | 708963.3 | 399409.4 | 0.0 | U/P |
| 21.911 | 1.5164 | 0.0000 | 73.336 | 5.92967 | 0.00000 | 708084.5 | 399883.8 | 0.0 | U/P |
| 21.933 | 1.5180 | 0.0000 | 73.333 | 5.92839 | 0.00000 | 709205.9 | 400358.2 | 0.0 | U/P |
| 21.956 | 1.5192 | 0.0000 | 73.329 | 5.92711 | 0.00000 | 709327.4 | 400832.4 | 0.0 | U/P |
| 21.978 | 1.5201 | 0.0000 | 73.326 | 5.92583 | 0.00000 | 709448.9 | 401306.5 | 0.0 | U/P |
| 22.000 | 1.5207 | 0.0000 | 73.322 | 5.92455 | 0.00000 | 709570.6 | 401780.5 | 0.0 | U/P |
| 22.022 | 1.5138 | 0.0000 | 73.319 | 5.92327 | 0.00000 | 709691.9 | 402254.4 | 0.0 | U/P |
| 22.044 | 1.4872 | 0.0000 | 73.315 | 5.92199 | 0.00000 | 709812.0 | 402728.3 | 0.0 | U/P |
| 22.067 | 1.4263 | 0.0000 | 73.312 | 5.92070 | 0.00000 | 709928.6 | 403202.0 | 0.0 | U/P |
| 22.089 | 1.3314 | 0.0000 | 73.308 | 5.91940 | 0.00000 | 710038.9 | 403675.6 | 0.0 | U/P |
| 22.111 | 1.2202 | 0.0000 | 73.305 | 5.91806 | 0.00000 | 710140.9 | 404149.1 | 0.0 | U/P |
| 22.133 | 1.1113 | 0.0000 | 73.301 | 5.91670 | 0.00000 | 710234.2 | 404622.5 | 0.0 | U/P |
| 22.156 | 1.0163 | 0.0000 | 73.297 | 5.91531 | 0.00000 | 710319.3 | 405095.8 | 0.0 | U/P |
| 22.178 | 0.9434 | 0.0000 | 73.293 | 5.91388 | 0.00000 | 710397.7 | 405568.9 | 0.0 | U/P |
| 22.200 | 0.8919 | 0.0000 | 73.289 | 5.91244 | 0.00000 | 710471.1 | 406042.0 | 0.0 | U/P |
| 22.222 | 0.8555 | 0.0000 | 73.285 | 5.91098 | 0.00000 | 710541.0 | 406514.9 | 0.0 | U/P |
| 22.244 | 0.8289 | 0.0000 | 73.282 | 5.90951 | 0.00000 | 710608.4 | 406987.7 | 0.0 | U/P |
| 22.267 | 0.8097 | 0.0000 | 73.278 | 5.90804 | 0.00000 | 710673.9 | 407460.4 | 0.0 | U/P |
| 22.289 | 0.7959 | 0.0000 | 73.274 | 5.90655 | 0.00000 | 710738.1 | 407933.0 | 0.0 | U/P |
| 22.311 | 0.7858 | 0.0000 | 73.270 | 5.90507 | 0.00000 | 710801.4 | 408405.5 | 0.0 | U/P |
| 22.333 | 0.7787 | 0.0000 | 73.266 | 5.90358 | 0.00000 | 710863.9 | 408877.8 | 0.0 | U/P |
| 22.356 | 0.7735 | 0.0000 | 73.261 | 5.90208 | 0.00000 | 710926.1 | 409350.0 | 0.0 | U/P |
| 22.378 | 0.7697 | 0.0000 | 73.257 | 5.90059 | 0.00000 | 710987.8 | 409822.2 | 0.0 | U/P |
| 22.400 | 0.7670 | 0.0000 | 73.253 | 5.89910 | 0.00000 | 711049.3 | 410294.1 | 0.0 | U/P |
| 22.422 | 0.7651 | 0.0000 | 73.249 | 5.89760 | 0.00000 | 711110.6 | 410766.0 | 0.0 | U/P |
| 22.444 | 0.7636 | 0.0000 | 73.245 | 5.89611 | 0.00000 | 711171.7 | 411237.8 | 0.0 | U/P |
| 22.467 | 0.7626 | 0.0000 | 73.241 | 5.89461 | 0.00000 | 711232.8 | 411709.4 | 0.0 | U/P |
| 22.489 | 0.7618 | 0.0000 | 73.237 | 5.89311 | 0.00000 | 711293.7 | 412180.9 | 0.0 | U/P |
| 22.511 | 0.7612 | 0.0000 | 73.233 | 5.89162 | 0.00000 | 711354.6 | 412652.3 | 0.0 | U/P |
| 22.533 | 0.7672 | 0.0000 | 73.229 | 5.89012 | 0.00000 | 711415.8 | 413123.6 | 0.0 | U/P |
| 22.556 | 0.7869 | 0.0000 | 73.225 | 5.88863 | 0.00000 | 711477.9 | 413594.7 | 0.0 | U/P |
| 22.578 | 0.8292 | 0.0000 | 73.221 | 5.88714 | 0.00000 | 711542.6 | 414065.7 414536.7 | 0.0 0.0 | U/P |
| 22.600 | 0.8895 | 0.0000 | 73.217 | 5.88566 | 0.00000 | 711611.3 | 414536.7 | 0.0 | U/P |
| 22.622 | 0.9549 | 0.0000 | 73.213 | 5.88421 | 0.00000 | 711685.1 | 415007.4 | 0.0 | U/P |
| 22.644 | 1.0160 | 0.0000 | 73.210 | 5.88277 | 0.00000 | 711763.9 | 415478.1 415948.7 | 0.0 0.0 | U/P |
| 22.667 | 1.0675 | 0.0000 | 73.206 | 5.88134 | 0.00000 | 711847.3 | 415948.7 | 0.0 0.0 | U/P |
| 22.689 | 1.1048 | 0.0000 | 73.202 | 5.87994 5.87854 | 0.00000 0.00000 | 711934.2 712023.6 | 416419.1 416889.5 | 0.0 0.0 | U/P |
| 22.711 | 1.1309 | 0.0000 | 73.198 | 5.87854 5.87715 | 0.00000 0.00000 | 712023.6 712114.8 | 416889.5 417359.7 | 0.0 0.0 | U/P |
| 22.733 | 1.1495 | 0.0000 | 73.194 | 5.87715 | 0.00000 | 712114.8 712207.3 | 417359.7 417829.8 | 0.0 0.0 | U/P |
| 22.756 | 1.1633 | 0.0000 | 73.191 | 5.87577 | 0.00000 0.00000 | 712207.3 | 417829.8 | 0.0 | U/P |
| 22.778 | 1.1731 | 0.0000 | 73.187 73.183 | 5.87439 5.87301 | 0.00000 | 712394.9 | 418769.7 | 0.0 | U/P |
| 22.800 22.822 | 1.1802 1.1853 | 0.0000 0.0000 | 73.183 73.180 | 5.87301 5.87164 | 0.00000 0.00000 | 712489.5 | 419239.5 | 0.0 | U/P |
| 22.844 | 1.1890 | 0.0000 | 73.176 | 5.87027 | 0.00000 | 712584.5 | 419709.2 | 0.0 | U/P |
| 22.867 | 1.1916 | 0.0000 | 73.172 | 5.86890 | 0.00000 | 712679.7 | 420178.8 | 0.0 | U/P |
| 22.889 | 1.1936 | 0.0000 | 73.169 | 5.86753 | 0.00000 | 712775.1 | 420648.2 | 0.0 | U/P |
| 22.911 | 1.1950 | 0.0000 | 73.165 | 5.86616 | 0.00000 | 712870.6 | 421117.6 | 0.0 | U/P |
| 22.933 | 1.1960 | 0.0000 | 73.161 | 5.86479 | 0.00000 | 712966.3 | 421586.8 422055.9 | 0.0 0.0 | U/P |
| 22.956 | 1.1967 | 0.0000 | 73.157 | 5.86342 | 0.00000 | 713062.0 | 422055.9 422524.9 | 0.0 0.0 | U/P |
| 22.978 | 1.1973 | 0.0000 | 73.154 | 5.86205 | 0.00000 | 713157.8 | 422524.9 | 0.0 | U/P |
| 23.000 | 1.1933 | 0.0000 | 73.150 | 5.86069 | 0.00000 | 713253.4 | 422993.8 | 0.0 | U/P |

Page 14

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: Pond 2-100 Year/24 Hour Routing

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 23.022 | \$.1720 | 0.0000 | 73.146 | 5.85932 | 0.00000 | 713348.0 | 423462.7 | 0.0 | U/P |
| 23.044 | 1.1187 | 0.0000 | 73.143 | 5.85794 | 0.00000 | 713439.6 | 423931.3 | 0.0 | U/P |
| 23.067 | 1.0259 | 0.0000 | 73.139 | 5.85655 | 0.00000 | 713525.4 | 424399.9 | 0.0 | U/P |
| 23.089 | 0.9088 | 0.0000 | 73.135 | 5.85513 | 0.00000 | 713602.8 | 424868.4 | 0.0 | U/P |
| 23.111 | 0.7894 | 0.0000 | 73.131 | 5.85367 | 0.00000 | 713670.7 | 425336.7 | 0.0 | U/P |
| 23.133 | 0.6820 | 0.0000 | 73.127 | 5.85219 | 0.00000 | 713729.6 | 425805.0 | 0.0 | U/P |
| 23.156 | 0.5961 | 0.0000 | 73.123 | 5.85067 | 0.00000 | 713780.7 | 426273.1 | 0.0 | U/P |
| 23.178 | 0.5350 | 0.0000 | 73.119 | 5.84913 | 0.00000 | 713825.9 | 426741.1 | 0.0 | U/P |
| 23.200 | 0.4920 | 0.0000 | 73.115 | 5.84757 | 0.00000 | 713867.0 | 427208.9 | 0.0 | U/P |
| 23.222 | 0.4609 | 0.0000 | 73.110 | 5.84600 | 0.00000 | 713905.1 | 427676.7 | 0.0 | U/P |
| 23.244 | 0.4382 | 0.0000 | 73.106 | 5.84441 | 0.00000 | 713941.1 | 428144.3 | 0.0 | U/P |
| 23.267 | 0.4219 | 0.0000 | 73.102 | 5.84283 | 0.00000 | 713975.5 | 428611.8 | 0.0 | U/P |
| 23.289 | 0.4102 | 0.0000 | 73.097 | 5.84123 | 0.00000 | 714008.8 | 429079.2 | 0.0 | U/P |
| 23.311 | 0.4017 | 0.0000 | 73.093 | 5.83963 | 0.00000 | 714041.3 | 429546.4 | 0.0 | U/P |
| 23.333 | 0.3956 | 0.0000 | 73.089 | 5.83803 | 0.00000 | 714073.1 | 430013.5 | 0.0 | U/P |
| 23.356 | 0.3912 | 0.0000 | 73.084 | 5.83643 | 0.00000 | 714104.6 | 430480.5 | 0.0 | U/P |
| 23.378 | 0.3880 | 0.0000 | 73.080 | 5.83483 | 0.00000 | 714135.8 | 430947.3 | 0.0 | U/P |
| 23.400 | 0.3857 | 0.0000 | 73.076 | 5.83322 | 0.00000 | 714166.8 | 431414.1 | 0.0 | U/P |
| 23.422 | 0.3840 | 0.0000 | 73.071 | 5.83162 | 0.00000 | 714197.5 | 431880.7 | 0.0 | U/P |
| 23.444 | 0.3828 | 0.0000 | 73.067 | 5.83001 | 0.00000 | 714228.2 | 432347.1 | 0.0 | U/P |
| 23.467 | 0.3818 | 0.0000 | 73.063 | 5.82841 | 0.00000 | 714258.8 | 432813.4 | 0.0 | U/P |
| 23.489 | 0.3812 | 0.0000 | 73.059 | 5.82680 | 0.00000 | 714289.3 | 433279.7 | 0.0 | U/P |
| 23.511 | 0.3808 | 0.0000 | 73.054 | 5.82519 | 0.00000 | 714319.8 | 433745.7 | 0.0 | U/P |
| 23.533 | 0.3806 | 0.0000 | 73.050 | 5.82359 | 0.00000 | 714350.3 | 434211.7 | 0.0 | U/P |
| 23.556 | 0.3806 | 0.0000 | 73.046 | 5.82198 | 0.00000 | 714380.7 | 434677.5 | 0.0 | U/P |
| 23.578 | 0.3805 | 0.0000 | 73.041 | 5.82038 | 0.00000 | 714411.1 | 435143.2 | 0.0 | U/P |
| 23.600 | 0.3804 | 0.0000 | 73.037 | 5.81877 | 0.00000 | 714441.6 | 435608.8 | 0.0 | U/P |
| 23.622 | 0.3804 | 0.0000 | 73.033 | 5.81716 | 0.00000 | 714472.0 | 436074.2 | 0.0 | U/P |
| 23.644 | 0.3803 | 0.0000 | 73.028 | 5.81556 | 0.00000 | 714502.4 | 436539.5 | 0.0 | U/P |
| 23.667 | 0.3803 | 0.0000 | 73.024 | 9.40395 | 0.00000 | 714532.9 | 437004.7 | 0.0 | U/P |
| 23.689 | 0.3803 | 0.0000 | 73.014 | 12.93558 | 0.00000 | 714563.3 | 438044.2 | 0.0 | U/S |
| 23.711 | 0.3803 | 0.0000 | 73.004 | 14.82854 | 0.00000 | 714593.7 | 439074.4 | 0.0 | S |
| 23.733 | 0.3802 | 0.0000 | 72.991 | 18.10920 | 0.00000 | 714624.1 | 440416.7 | 0.0 | S |
| 23.756 | 0.3802 | 0.0000 | 72.976 | 19.86463 | 0.00000 | 714654.6 | 441971.8 | 0.0 | S |
| 23.778 | 0.3802 | 0.0000 | 72.960 | 19.91945 | 0.00000 | 714684.9 | 443595.1 | 0.0 | S |
| 23.800 | 0.3802 | 0.0000 | 72.944 | 18.73082 | 0.00000 | 714715.4 | 445159.0 | 0.0 | S |
| 23.822 | 0.3802 | 0.0000 | 72.930 | 16.99184 | 0.00000 | 714745.8 | 446592.0 | 0.0 | S |
| 23.844 | 0.3802 | 0.0000 | 72.918 | 15.25688 | 0.00000 | 714776.2 | 447877.7 | 0.0 | S |
| 23.867 | 0.3802 | 0.0000 | 72.906 | 13.80611 | 0.00000 | 714806.6 | 449033.1 | 0.0 | S |
| 23.889 | 0.3802 | 0.0000 | 72.896 | 12.69706 | 0.00000 | 714837.1 | 450086.7 | 0.0 | S |
| 23.911 | 0.3802 | 0.0000 | 72.887 | 11.87252 | 0.00000 | 714867.4 | 451064.6 | 0.0 | S |
| 23.933 | 0.3802 | 0.0000 | 72.878 | 11.24477 | 0.00000 | 714897.9 | 451986.3 | 0.0 | S |
| 23.956 | 0.3802 | 0.0000 | 72.869 | 10.73823 | 0.00000 | 714928.3 | 452863.8 | 0.0 | S |
| 23.978 | 0.3802 | 0.0000 | 72.861 | 10.30202 | 0.00000 | 714958.7 | 453704.4 | 0.0 | S |
| 24.000 | 0.3802 | 0.0000 | 72.853 | 9.90765 | 0.00000 | 714989.1 | 454512.1 | 0.0 | S |
| 24.022 | 0.3745 | 0.0000 | 72.846 | 9.54215 | 0.00000 | 715019.3 | 455289.6 | 0.0 | S |
| 24.044 | 0.3568 | 0.0000 | 72.838 | 9.20132 | 0.00000 | 715048.6 | 456038.8 | 0.0 | S |
| 24.067 | 0.3192 | 0.0000 | 72.831 | 8.88483 | 0.00000 | 715075.6 | 456761.8 | 0.0 | S |
| 24.089 | 0.2662 | 0.0000 | 72.825 | 8.59319 | 0.00000 | 715099.0 | 457460.4 | 0.0 | S |
| 24.111 | 0.2092 | 0.0000 | 72.818 | 8.32631 | 0.00000 | 715118.1 | 458136.7 | 0.0 | S |
| 24.133 | 0.1562 | 0.0000 | 72.812 | 8.08307 | 0.00000 | 715132.6 | 458792.6 | 0.0 | S |
| 24.156 | 0.1117 | 0.0000 | 72.805 | 7.86141 | 0.00000 | 715143.4 | 459430.0 | 0.0 | S |
| 24.178 | 0.0798 | 0.0000 | 72.799 | 7.65877 | 0.00000 | 715151.1 | 460050.4 | 0.0 | S |
| 24.200 | 0.0576 | 0.0000 | 72.793 | 7.47241 | 0.00000 | 715156.5 | 460655.4 | 0.0 | S |
| 24.222 | 0.0416 | 0.0000 | 72.787 | 7.29976 | 0.00000 | 715160.5 | 461246.0 | 0.0 | S |
| 24.244 | 0.0298 | 0.0000 | 72.781 | 7.13860 | 0.00000 | 715163.4 | 461823.4 | 0.0 | S |
| 24.267 | 0.0214 | 0.0000 | 72.776 | 6.98714 | 0.00000 | 715165.4 | 462388.2 | 0.0 | S |
| 24.289 | 0.0153 | 0.0000 | 72.770 | 6.84405 | 0.00000 | 715166.9 | 462941.3 | 0.0 | S |
| 24.311 | 0.0109 | 0.0000 | 72.764 | 6.70833 | 0.00000 | 715167.9 | 463483.3 | 0.0 | S |
| 24.333 | 0.0078 | 0.0000 | 72.759 | 6.57932 | 0.00000 | 715168.7 | 464014.6 | 0.0 | S |
| 24.356 | 0.0055 | 0.0000 | 72.754 | 6.45651 | 0.00000 | 715169.2 | 464535.9 | 0.0 | S |
| 24.378 | 0.0039 | 0.0000 | 72.749 | 6.33954 | 0.00000 | 715169.6 | 465047.7 | 0.0 | S |
| 24.400 | 0.0027 | 0.0000 | 72.744 | 6.22812 | 0.00000 | 715169.8 | 465550.3 | 0.0 | S |
| 24.422 | 0.0018 | 0.0000 | 72.739 | 6.12196 | 0.00000 | 715170.0 | 466044.2 | 0.0 | S |
| 24.444 | 0.0012 | 0.0000 | 72.734 | 6.02079 | 0.00000 | 715170.1 | 466529.8 | 0.0 | S |
| 24.467 | 0.0007 | 0.0000 | 72.729 | 5.92433 | 0.00000 | 715170.2 | 467007.5 | 0.0 | S |
| 24.489 | 0.0003 | 0.0000 | 72.724 | 5.83226 | 0.00000 | 715170.3 | 467477.7 | 0.0 | S |
| 24.511 | 0.0001 | 0.0000 | 72.719 | 5.74430 | 0.00000 | 715170.3 | 467940.7 | 0.0 | S |
| 24.533 | 0.0000 | 0.0000 | 72.715 | 5.66013 | 0.00000 | 715170.3 | 468396.8 | 0.0 | S |
| 24.556 | 0.0000 | 0.0000 | 72.710 | 5.57946 | 0.00000 | 715170.3 | 468846.3 | 0.0 | S |
| 24.578 | 0.0000 | 0.0000 | 72.706 | 5.53953 | 0.00000 | 715170.3 | 469289.5 | 0.0 | S |
| 288.578 | 0.0000 | 0.0000 | 68.664 | 0.05544 | 0.00000 | 715170.3 | 715170.3 | 0.0 | N.A |
| 360.578 | 0.0000 | 0.0000 | 67.754 | --." | ---- | 715170.3 | 715170.3 | 0.0 | N.A |

# PONDS Routing and Recovery Analysis 

## Buildout Results

Pond 3
Back-to-Back
100-year / 24-Hour Storm

Run 1*<br>Input Report Summary of Results<br>Detailed Results

Run 2<br>Input Report<br>Summary of Results

(*Pond not dry at Hour 288)

# Pond 3 <br> Back-to-Back <br> 100-year / 24-Hour Storm 

Run 1*<br>Input Report Summary of Results Detailed Results

(*Pond not dry at Hour 288)

## Project Data

Project Name: Vista Landfill Redesign
Simulation Description: Pond 3100 Year / 24 Hour Routing and Recovery Analysis w/ infiltration
Project Number: ..... 10-2141
Engineer : ..... cms
Supervising Engineer: ..... cms
Date: ..... 01-06-2011
Aquifer Data
Base Of Aquifer Elevation, $[\mathrm{B}]$ ( ft datum): ..... 84.00
Water Table Elevation, [WT] (ft datum): ..... 85.00
Horizontal Saturated Hydraulic Conductivity, [Kh] (ft/day): ..... 15.00
Fillable Porosity, [n] (\%): ..... 20.00
Unsaturated Vertical Infiltration Rate, [lv] (ft/day): ..... 5.0
Maximum Area For Unsaturated Infiltration, [Av] ( $\mathrm{ft}^{2}$ ): ..... 120025.0

## Geometry Data

Equivalent Pond Length, $[\mathrm{L}]$ ( ft ): ..... 320.0
Equivalent Pond Width, [W] (ft): ..... 100.0
Ground water mound is expected to intersect the pond bottom

## Stage vs Area Data

| Stage <br> (ft datum) | Area <br> $\left(\mathrm{ft}^{2}\right)$ |
| ---: | ---: |
| 90.00 | 69811.0 |
| 92.00 | 76737.0 |
| 94.00 | 86753.0 |
| 96.00 | 96067.0 |
| 98.00 | 103989.0 |
| 100.00 | 111923.0 |
| 102.00 | 120025.0 |

## Discharge Structures

Discharge Structure \#1 is inactive
Discharge Structure \#2 is inactive
Discharge Structure \#3 is inactive

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.

## Scenario Input Data

Scenario 1 :: Pond 3100 Year/24 Hour Routing
Hydrograph Type: Inline SCS
Modflow Routing: Routed with infilltration Repetitions: ..... 1
Basin Area (acres) ..... 8.370
Time Of Concentration (minutes) ..... 0.0
Curve Number ..... 98
Design Rainfall Duration (hours) ..... 24.0
Rainfall Distribution Orange County 100 Year - 24 Hour
Initial ground water level (ft datum) default, 85.00
Time After
Storm Event
(days) ..... 1.000 ..... 3.000
7.000
11.000
14.000

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Summary of Results :: Scenario 1 :: Pond 3100 Year / 24 Hour Routing

|  | Time (hours) | Stage (ft datum) | Rate <br> $\left(\mathrm{ft}^{3} / \mathrm{s}\right)$ | Volume (ft ${ }^{3}$ ) |
| :---: | :---: | :---: | :---: | :---: |
| Stage |  |  |  |  |
| Minimum | 0.000 | 85.00 |  |  |
| Maximum | 11.200 | 91.91 |  |  |
| Inflow |  |  |  |  |
| Rate - Maximum - Positive | 9.000 |  | 18.4084 |  |
| Rate - Maximum - Negative | None |  | None |  |
| Cumulative Volume - Maximum Positive | 24.489 |  |  | 314885.6 |
| Cumulative Volume - Maximum Negative | None |  |  | None |
| Cumulative Volume - End of Simulation | 360.578 |  |  | 314885.6 |
| Infiltration |  |  |  |  |
| Rate - Maximum - Positive | 11.222 |  | 4.4233 |  |
| Rate - Maximum - Negative | None |  | None |  |
| Cumulative Volume - Maximum Positive | 360.578 |  |  | 270027.0 |
| Cumulative Volume - Maximum Negative | None |  |  | None |
| Cumulative Volume - End of Simulation | 360.578 |  |  | 270027.0 |
| Combined Discharge |  |  |  |  |
| Rate - Maximum - Positive | None |  | None |  |
| Rate - Maximum - Negative | None |  | None |  |
| Cumulative Volume - Maximum Positive | None |  |  | None |
| Cumulative Volume - Maximum Negative | None |  |  | None |
| Cumulative Volume - End of Simulation | 360.578 |  |  | 0.0 |
| Discharge Structure 1 - inactive disabled |  |  |  |  |
| Rate - Maximum - Positive | disabled |  | disabled |  |
| Rate - Maximum - Negative | disabled |  | disabled |  |
| Cumulative Volume - Maximum Positive | disabled |  |  | disabled |
| Cumulative Volume - Maximum Negative | disabled |  |  | disabled |
| Cumulative Volume - End of Simulation | disabled |  |  | disabled |
| Discharge Structure 2 - inactive disabled |  |  |  |  |
| Rate - Maximum - Positive | disabled |  | disabled |  |
| Rate - Maximum - Negative | disabled |  | disabled |  |
| Cumulative Volume - Maximum Positive | disabled |  |  | disabled |
| Cumulative Volume - Maximum Negative | disabled |  |  | disabled |
| Cumulative Volume - End of Simulation | disabled |  |  | disabled |
| Discharge Structure 3 - inactive disabled |  |  |  |  |
| Rate - Maximum - Positive | disabled |  | disabled |  |
| Rate - Maximum - Negative | disabled |  | disabled |  |
| Cumulative Volume - Maximum Positive | disabled |  |  | disabled |
| Cumulative Volume - Maximum Negative | disabled |  |  | disabled |
| Cumulative Volume - End of Simulation | disabled |  |  | disabled |
| Pollution Abatement: NA. NA |  |  |  |  |
| 36 Hour Stage and Infiltration Volume | N.A. | N.A. |  | N.A. |
| 72 Hour Stage and Infiltration Volume | N.A. | N.A. |  | N.A. |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results :: Scenario 1 :: Pond 3100 Year/ 24 Hour Routing

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / 3}$ ) | Outside Recharge (ft/day) | Stage Elevation (fl datum) | Infifitration Rate ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Overtlow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ff}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 0.000 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | N.A. |
| 0.022 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.044 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.067 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.089 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.111 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.133 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.156 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.178 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.200 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.222 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.244 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.267 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.289 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.311 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.333 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.356 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.378 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.400 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.422 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.444 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.467 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.489 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.511 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.533 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.556 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.578 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.600 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.622 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.644 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.667 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.689 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.711 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.733 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.756 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.778 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.800 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.822 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.844 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.867 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.889 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.911 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.933 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.956 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.978 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.000 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.022 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.044 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.067 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.089 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.111 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.133 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.156 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.178 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.200 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.222 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.244 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.267 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.289 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.311 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.333 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.356 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.378 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.400 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.422 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.444 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.467 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.489 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.511 | 0.0000 | 0.0000 | 85.000 | 0.00001 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.533 | 0.0000 | 0.0000 | 85.000 | 0.00008 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.556 | 0.0003 | 0.0000 | 85.000 | 0.00043 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.578 | 0.0011 | 0.0000 | 85.000 | 0.00145 | 0.00000 | 0.1 | 0.1 | 0.0 | U |
| 1.600 | 0.0032 | 0.0000 | 85.000 | 0.00365 | 0.00000 | 0.2 | 0.2 | 0.0 | U |
| 1.622 | 0.0070 | 0.0000 | 85.000 | 0.00742 | 0.00000 | 0.7 | 0.7 | 0.0 | U |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: Pond 3100 Year/24 Hour Routing

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{3 / s}$ ) | Outside Recharge (fl/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative inflow <br> volume ( $\mathrm{H}^{3}$ ) | Cumulative Infilitration Volume ( $\mathrm{H}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1.644 | 0.0125 | 0.0000 | 85.000 | 0.01289 | 0.00000 | 1.4 | 1.4 | 0.0 | U |
| 1.667 | 0.0196 | 0.0000 | 85.000 | 0.01990 | 0.00000 | 2.7 | 2.7 | 0.0 | U |
| 1.689 | 0.0279 | 0.0000 | 85.000 | 0.02815 | 0.00000 | 4.6 | 4.6 | 0.0 | U |
| 1.711 | 0.0371 | 0.0000 | 85.000 | 0.03726 | 0.00000 | 7.2 | 7.2 | 0.0 | U |
| 1.733 | 0.0468 | 0.0000 | 85.000 | 0.04691 | 0.00000 | 10.6 | 10.6 | 0.0 | U |
| 1.756 | 0.0568 | 0.0000 | 85.001 | 0.05686 | 0.00000 | 14.7 | 14.7 | 0.0 | U |
| 1.778 | 0.0669 | 0.0000 | 85.001 | 0.06695 | 0.00000 | 19.7 | 19.7 | 0.0 | U |
| 1.800 | 0.0771 | 0.0000 | 85.001 | 0.07708 | 0.00000 | 25.4 | 25.4 | 0.0 | U |
| 1.822 | 0.0872 | 0.0000 | 85.001 | 0.08716 | 0.00000 | 32.0 | 32.0 | 0.0 | U |
| 1.844 | 0.0972 | 0.0000 | 85.002 | 0.09713 | 0.00000 | 39.4 | 39.4 | 0.0 | U |
| 1.867 | 0.1070 | 0.0000 | 85.002 | 0.10696 | 0.00000 | 47.6 | 47.6 | 0.0 | U |
| 1.889 | 0.1167 | 0.0000 | 85.002 | 0.11663 | 0.00000 | 56.5 | 56.5 | 0.0 | U |
| \$.911 | 0.1262 | 0.0000 | 85.003 | 0.12611 | 0.00000 | 66.2 | 66.2 | 0.0 | U |
| 1.833 | 0.1355 | 0.0000 | 85.003 | 0.13541 | 0.00000 | 76.7 | 76.7 | 0.0 | U |
| 1.956 | 0.1446 | 0.0000 | 85.004 | 0.14451 | 0.00000 | 87.9 | 87.9 | 0.0 | U |
| 1.078 | 0.1535 | 0.0000 | 85.004 | 0.15354 | 0.00000 | 99.8 | 99.8 | 0.0 | U |
| 2.000 | 0.1627 | 0.0000 | 85.005 | 0.16311 | 0.00000 | 112.4 | 112.4 | 0.0 | U |
| 2.022 | 0.1736 | 0.0000 | 85.005 | 0.17455 | 0.00000 | 125.9 | 125.9 | 0.0 | U |
| 2.044 | 0.1883 | 0.0000 | 85.006 | 0.18945 | 0.00000 | 140.4 | 140.4 | 0.0 | U |
| 2.067 | 0.2077 | 0.0000 | 85.007 | 0.20852 | 0.00000 | 156.2 | 156.2 | 0.0 | U |
| 2.089 | 0.2305 | 0.0000 | 85.007 | 0.23078 | 0.00000 | 173.7 | 173.7 | 0.0 | U |
| 2.111 | 0.2545 | 0.0000 | 85.008 | 0.25433 | 0.00000 | 193.1 | 193.1 | 0.0 | U |
| 2.133 | 0.2779 | 0.0000 | 85.009 | 0.27744 | 0.00000 | 214.4 | 214.4 | 0.0 | U |
| 2.156 | 0.2995 | 0.0000 | 85.010 | 0.29894 | 0.00000 | 237.5 | 237.5 | 0.0 | U |
| 2.178 | 0.3188 | 0.0000 | 85.011 | 0.31833 | 0.00000 | 262.3 | 262.3 | 0.0 | U |
| 2.200 | 0.3362 | 0.0000 | 85.012 | 0.33586 | 0.00000 | 288.5 | 288.5 | 0.0 | U |
| 2.222 | 0.3522 | 0.0000 | 85.013 | 0.35198 | 0.00000 | 316.0 | 316.0 | 0.0 | U |
| 2.244 | 0.3673 | 0.0000 | 85.014 | 0.36703 | 0.00000 | 344.8 | 344.8 | 0.0 | U |
| 2.267 | 0.3814 | 0.0000 | 85.016 | 0.38118 | 0.00000 | 374.7 | 374.7 | 0.0 | U |
| 2.289 | 0.3947 | 0.0000 | 85.017 | 0.39459 | 0.00000 | 405.8 | 405.8 | 0.0 | U |
| 2.311 | 0.4075 | 0.0000 | 85.018 | 0.40737 | 0.00000 | 437.9 | 437.9 | 0.0 | U |
| 2.333 | 0.4197 | 0.0000 | 85.020 | 0.41961 | 0.00000 | 470.9 | 470.9 | 0.0 | U |
| 2.356 | 0.4315 | 0.0000 | 85.021 | 0.43137 | 0.00000 | 505.0 | 505.0 | 0.0 | U |
| 2.378 | 0.4428 | 0.0000 | 85.022 | 0.44271 | 0.00000 | 540.0 | 540.0 | 0.0 | U |
| 2.400 | 0.4537 | 0.0000 | 85.024 | 0.45366 | 0.00000 | 575.8 | 575.8 | 0.0 | U |
| 2.422 | 0.4643 | 0.0000 | 85.026 | 0.46425 | 0.00000 | 612.5 | 612.5 | 0.0 | U |
| 2.444 | 0.4746 | 0.0000 | 85.027 | 0.47452 | 0.00000 | 650.1 | 650.1 | 0.0 | U |
| 2.467 | 0.4845 | 0.0000 | 85.029 | 0.48448 | 0.00000 | 688.5 | 688.5 | 0.0 | U |
| 2.489 | 0.4942 | 0.0000 | 85.030 | 0.49461 | 0.00000 | 727.6 | 727.6 | 0.0 | U |
| 2.511 | 0.5055 | 0.0000 | 85.032 | 0.50664 | 0.00000 | 767.6 | 767.6 | 0.0 | U |
| 2.533 | 0.5214 | 0.0000 | 85.034 | 0.52351 | 0.00000 | 808.7 | 808.7 | 0.0 | U |
| 2.556 | 0.5458 | 0.0000 | 85.035 | 0.54790 | 0.00000 | 851.4 | 851.4 | 0.0 | U |
| 2.578 | 0.5787 | 0.0000 | 85.037 | 0.57972 | 0.00000 | 896.3 | 896.3 | 0.0 | U |
| 2.600 | 0.6158 | 0.0000 | 85,039 | 0.61576 | 0.00000 | 944.1 | 944.1 | 0.0 | U |
| 2.622 | 0.6528 | 0.0000 | 85.041 | 0.65207 | 0.00000 | 994.9 | 994.9 | 0.0 | U |
| 2.644 | 0.6869 | 0.0000 | 85.044 | 0.68561 | 0.00000 | 1048.5 | 1048.5 | 0.0 | U |
| 2.667 | 0.7159 | 0.0000 | 85.046 | 0.71461 | 0.00000 | 1104.6 | 1104.6 | 0.0 | U |
| 2.689 | 0.7398 | 0.0000 | 85.048 | 0.73894 | 0.00000 | 1162.8 | 1162.8 | 0.0 | U |
| 2.711 | 0.7602 | 0.0000 | 85.051 | 0.75960 | 0.00000 | 1222.8 | 1222.8 | 0.0 | U |
| 2.733 | 0.7781 | 0.0000 | 85.054 | 0.77765 | 0.00000 | 1284.3 | 1284.3 | 0.0 | U |
| 2.756 | 0.7941 | 0.0000 | 85.056 | 0.79372 | 0.00000 | 1347.2 | 1347.2 | 0.0 | U |
| 2.778 | 0.8086 | 0.0000 | 85.059 | 0.80826 | 0.00000 | 1411.3 | 1411.3 | 0.0 | U |
| 2.800 | 0.8218 | 0.0000 | 85.062 | 0.82160 | 0.00000 | 1476.5 | 1476.5 | 0.0 | U |
| 2.822 | 0.8342 | 0.0000 | 85.064 | 0.83398 | 0.00000 | 1542.8 | 1542.8 | 0.0 | U |
| 2.844 | 0.8458 | 0.0000 | 85.067 | 0.84559 | 0.00000 | 1610.0 | 1610.0 | 0.0 | U |
| 2.867 | 0.8567 | 0.0000 | 85.070 | 0.85657 | 0.00000 | 1678.1 | 1678.1 | 0.0 | U |
| 2.889 | 0.8671 | 0.0000 | 85.073 | 0.86702 | 0.00000 | 1747.0 | 1747.0 | 0.0 | U |
| 2.911 | 0.8771 | 0.0000 | 85.076 | 0.87700 | 0.00000 | 1816.8 | 1816.8 | 0.0 | U |
| 2.933 | 0.8867 | 0.0000 | 85.079 | 0.88658 | 0.00000 | 1887.3 | 1887.3 | 0.0 | U |
| 2.956 | 0.8959 | 0.0000 | 85.082 | 0.89581 | 0.00000 | 1958.7 | 1958.7 | 0.0 | U |
| 2.978 | 0.9048 | 0.0000 | 85.085 | 0.90471 | 0.00000 | 2030.7 | 2030.7 | 0.0 | U |
| 3.000 | 0.9134 | 0.0000 | 85.088 | 0.91602 | 0.00000 | 2103.4 | 2103.4 | 0.0 | U |
| 3.022 | 0.9326 | 0.0000 | 85.091 | 0.93827 | 0.00000 | 2177.2 | 2177.2 | 0.0 | U |
| 3.044 | 0.9746 | 0.0000 | 85.094 | 0.98421 | 0.00000 | 2253.5 | 2253.5 | 0.0 | U |
| 3.067 | 1.0551 | 0.0000 | 85.097 | 1.06275 | 0.00000 | 2334.7 | 2334.7 | 0.0 | U |
| 3.089 | 1.1662 | 0.0000 | 85.101 | 1.16848 | 0.00000 | 2423.6 | 2423.6 | 0.0 | U |
| 3.141 | 1.2865 | 0.0000 | 85.105 | 1.28495 | 0.00000 | 2521.7 | 2521.7 | 0.0 | U |
| 3.133 | 1.4007 | 0.0000 | 85.110 | 1.39697 | 0.00000 | 2629.2 | 2629.2 | 0.0 | U |
| 3.156 | 1.5000 | 0.0000 | 85.114 | 1.49426 | 0.00000 | 2745.2 | 2745.2 | 0.0 | U |
| 3.178 | 1.5763 | 0.0000 | 85.119 | 1.57181 | 0.00000 | 2868.2 | 2868.2 | 0.0 | U |
| 3.200 | 1.6346 | 0.0000 | 85.125 | 1.63163 | 0.00000 | 2996.7 | 2996.7 | 0.0 | U |
| 3.222 | 1.6810 | 0.0000 | 85.130 | 1.67899 | 0.00000 | 3129.3 | 3129.3 | 0.0 | U |
| 3.244 | 1.7193 | 0.0000 | 85.136 | 1.71765 | 0.00000 | 3265.3 | 3265.3 | 0.0 | U |
| 3.267 | 1.7509 | 0.0000 | 85.142 | 1.74972 | 0.00000 | 3404.1 | 3404.1 | 0.0 | U |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 3100 Year/24 Hour Routing

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{fl}^{3 / \mathrm{s}}$ ) | Outside Recharge (fiday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Cumulative Inflow Vofume ( $\mathrm{it}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{fl}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 3.289 | 1.7777 | 0.0000 | 85.148 | 1.77681 | 0.00000 | 3545.3 | 3545.3 | 0.0 | U |
| 3.311 | 1.8009 | 0.0000 | 85.154 | 1.80016 | 0.00000 | 3688.4 | 3688.4 | 0.0 | U |
| 3.333 | 1.8212 | 0.0000 | 85.160 | 1.82064 | 0.00000 | 3833.3 | 3833.3 | 0.0 | U |
| 3.356 | 1.8393 | 0.0000 | 85.166 | 1.83892 | 0.00000 | 3979.7 | 3979.7 | 0.0 | U |
| 3.378 | 1.8558 | 0.0000 | 85.172 | 1.85550 | 0.00000 | 4127.5 | 4127.5 | 0.0 | U |
| 3.400 | 1.8710 | 0.0000 | 85.178 | 1.87071 | 0.00000 | 4276.6 | 4276.6 | 0.0 | U |
| 3.422 | 1.8850 | 0.0000 | 85.184 | 1.88479 | 0.00000 | 4426.8 | 4426.8 | 0.0 | U |
| 3.444 | 1.8981 | 0.0000 | 85.191 | 1.89797 | 0.00000 | 4578.2 | 4578.2 | 0.0 | U |
| 3.467 | 1.9106 | 0.0000 | 85.197 | 1.91040 | 0.00000 | 4730.5 | 4730.5 | 0.0 | U |
| 3.489 | 1.9223 | 0.0000 | 85.203 | 1.92249 | 0.00000 | 4883.8 | 4883.8 | 0.0 | U |
| 3.511 | 1.9348 | 0.0000 | 85.210 | 1.93607 | 0.00000 | 5038.1 | 5038.1 | 0.0 | U |
| 3.533 | 1.9524 | 0.0000 | 85.216 | 1.95501 | 0.00000 | 5193.6 | 5193.6 | 0.0 | U |
| 3.556 | $\uparrow .9804$ | 0.0000 | 85.223 | 1.98386 | 0.00000 | 5350.9 | 5350.9 | 0.0 | U |
| 3.578 | 2.0221 | 0.0000 | 85.230 | 2.02432 | 0.00000 | 5511.0 | 5511.0 | 0.0 | U |
| 3.600 | 2.0726 | 0.0000 | 85.236 | 2.07285 | 0.00000 | 5674.8 | 5674.8 | 0.0 | U |
| 3.622 | 2.1241 | 0.0000 | 85.243 | 2.12308 | 0.00000 | 5842.7 | 5842.7 | 0.0 | U |
| 3.644 | 2,1715 | 0.0000 | 85.251 | 2.16968 | 0.00000 | 6014.5 | 6014.5 | 0.0 | U |
| 3.667 | 2.2115 | 0.0000 | 85.258 | 2.20934 | 0.00000 | 6189.8 | 6189.8 | 0.0 | U |
| 3.689 | 2.2427 | 0.0000 | 85.265 | 2.24107 | 0.00000 | 6368.0 | 6368.0 | 0.0 | U |
| 3.711 | 2.2673 | 0.0000 | 85.273 | 2.26618 | 0.00000 | 6548.4 | 6548.4 | 0.0 | U |
| 3.733 | 2.2874 | 0.0000 | 85.280 | 2.28662 | 0.00000 | 6730.6 | 6730.6 | 0.0 | U |
| 3.756 | 2.3044 | 0.0000 | 85.288 | 2.30372 | 0.00000 | 6914.2 | 6914.2 | 0.0 | U |
| 3.778 | 2.3187 | 0.0000 | 85.296 | 2.31828 | 0.00000 | 7099.2 | 7099.2 | 0.0 | U |
| 3.800 | 2.3313 | 0.0000 | 85.303 | 2.33093 | 0.00000 | 7285.2 | 7285.2 | 0.0 | U |
| 3.822 | 2.3424 | 0.0000 | 85.311 | 2.34211 | 0.00000 | 7472.1 | 7472.1 | 0.0 | U |
| 3.844 | 2.3524 | 0.0000 | 85.319 | 2.35217 | 0.00000 | 7659.9 | 7659.9 | 0.0 | U |
| 3.867 | 2.3615 | 0.0000 | 85.327 | 2.36136 | 0.00000 | 7848.5 | 7848.5 | 0.0 | U |
| 3.889 | 2.3700 | 0.0000 | 85.335 | 2.36986 | 0.00000 | 8037.7 | 8037.7 | 0.0 | U |
| 3.911 | 2.3779 | 0.0000 | 85.343 | 2.37779 | 0.00000 | 8227.6 | 8227.6 | 0.0 | U |
| 3.933 | 2.3853 | 0.0000 | 85.351 | 2.38525 | 0.00000 | 8418.2 | 8418.2 | 0.0 | U |
| 3.956 | 2.3924 | 0.0000 | 85.359 | 2.39233 | 0.00000 | 8609.3 | 8609.3 | 0.0 | U |
| 3.978 | 2.3992 | 0.0000 | 85.367 | 2.39908 | 0.00000 | 8800.9 | 8800.9 | 0.0 | U |
| 4.000 | 2.4056 | 0.0000 | 85.375 | 2.40772 | 0.00000 | 8993.1 | 8993.1 | 0.0 | U |
| 4.022 | 2.4205 | 0.0000 | 85.383 | 2.42633 | 0.00000 | 9186.2 | 9186.2 | 0.0 | U |
| 4.044 | 2.4587 | 0.0000 | 85.391 | 2.46893 | 0.00000 | 9381.3 | 9381.3 | 0.0 | U |
| 4.067 | 2.5379 | 0.0000 | 85.399 | 2.54820 | 0.00000 | 9581.2 | 9581.2 | 0.0 | U |
| 4.089 | 2.6584 | 0.0000 | 85.408 | 2.66334 | 0.00000 | 9789.1 | 9789.1 | 0.0 | U |
| 4.111 | 2.7987 | 0.0000 | 85.417 | 2.79816 | 0.00000 | 10007.4 | 10007.4 | 0.0 | U |
| 4.133 | 2.9368 | 0.0000 | 85.426 | 2.93272 | 0.00000 | 10236.8 | 10236.8 | 0.0 | U |
| 4.156 | 3.0585 | 0.0000 | 85.436 | 3.05192 | 0.00000 | 10476.6 | 10476.6 | 0.0 | U |
| 4.178 | 3.1538 | 0.0000 | 85.447 | 3.14734 | 0.00000 | 10725.1 | 10725.1 | 0.0 | U |
| 4.200 | 3.2233 | 0.0000 | 85.457 | 3.21873 | 0.00000 | 10980.2 | 10980.2 | 0.0 | U |
| 4.222 | 3.2746 | 0.0000 | 85.468 | 3.27164 | 0.00000 | 11240.1 | 11240.1 | 0.0 | U |
| 4.244 | 3.3140 | 0.0000 | 85.479 | 3.31178 | 0.00000 | 11503.6 | 11503.6 | 0.0 | U |
| 4.267 | 3.3444 | 0.0000 | 85.490 | 3.34276 | 0.00000 | 11770.0 | 11770.0 | 0.0 | U |
| 4.289 | 3.3681 | 0.0000 | 85.502 | 3.36694 | 0.00000 | 12038.5 | 12038.5 | 0.0 | U |
| 4.311 | 3.3871 | 0.0000 | 85.513 | 3.38615 | 0.00000 | 12308.7 | 12308.7 | 0.0 | U |
| 4.333 | 3.4023 | 0.0000 | 85.524 | 3.40169 | 0.00000 | 12580.2 | 12580.2 | 0.0 | U |
| 4.356 | 3.4150 | 0.0000 | 85.535 | 3.41453 | 0.00000 | 12852.9 | 12852.9 | 0.0 | U |
| 4.378 | 3.4258 | 0.0000 | 85.547 | 3.42539 | 0.00000 | 13126.6 | 13126.6 | 0.0 | U |
| 4.400 | 3.4351 | 0.0000 | 85.558 | 3.43477 | 0.00000 | 13401.0 | 13401.0 | 0.0 | U |
| 4.422 | 3.4432 | 0.0000 | 85.570 | 3.44301 | 0.00000 | 13676.1 | 13676.1 | 0.0 | U |
| 4.444 | 3.4505 | 0.0000 | 85.581 | 3.45040 | 0.00000 | 13951.9 | 13951.9 | 0.0 | U |
| 4.467 | 3.4573 | 0.0000 | 85.593 | 3.45714 | 0.00000 | 14228.2 | 14228.2 | 0.0 | U |
| 4.489 | 3.4635 | 0.0000 | 85.604 | 3.46336 | 0.00000 | 14505.0 | 14505.0 | 0.0 | U |
| 4.511 | 3.4692 | 0.0000 | 85.616 | 3.46972 | 0.00000 | 14782.3 | 14782.3 | 0.0 | U |
| 4.533 | 3.4770 | 0.0000 | 85.627 | 3.47824 | 0.00000 | 15060.2 | 15060.2 | 0.0 | U |
| 4.556 | 3.4898 | 0.0000 | 85.639 | 3.49196 | 0.00000 | 15338.9 | 15338.9 | 0.0 | U |
| 4.578 | 3.5113 | 0.0000 | 85.651 | 3.51309 | 0.00000 | 15618.9 | 15618.9 | 0.0 | U |
| 4.600 | 3.5400 | 0.0000 | 85.662 | 3.54045 | 0.00000 | 15900.9 | 15900.9 | 0.0 | U |
| 4.622 | 3.5706 | 0.0000 | 85.674 | 3.57011 | 0.00000 | 16185.4 | 16185.4 | 0.0 | U |
| 4.644 | 3.5994 | 0.0000 | 85.686 | 3.59839 | 0.00000 | 16472.2 | 16472.2 | 0.0 | U |
| 4.667 | 3.6242 | 0.0000 | 85.698 | 3.62280 | 0.00000 | 16761.1 | 16761.1 | 0.0 | U |
| 4.689 | 3.6433 | 0.0000 | 85.710 | 3.64217 | 0.00000 | 17051.8 | 17051.8 | 0.0 | U |
| 4.711 | 3.6578 | 0.0000 | 85.723 | 3.65702 | 0.00000 | 17343.9 | 77343.9 | 0.0 | U |
| 4.733 | 3.6692 | 0.0000 | 85.735 | 3.66867 | 0.00000 | 17636.9 | 17636.9 | 0.0 | U |
| 4.756 | 3.6785 | 0.0000 | 85.747 | 3.67810 | 0.00000 | 17930.8 | 17930.8 | 0.0 | U |
| 4.778 | 3.6862 | 0.0000 | 85.759 | 3.68587 | 0.00000 | 18225.4 | 18225.4 | 0.0 | U |
| 4.800 | 3.6926 | 0.0000 | 85.772 | 3.69239 | 0.00000 | 18520.6 | 18520.6 | 0.0 | U |
| 4.822 | 3.6982 | 0.0000 | 85.784 | 3.69800 | 0.00000 | 18816.2 | 18816.2 | 0.0 | U |
| 4.844 | 3.7030 | 0.0000 | 85.796 | 3.70292 | 0.00000 | 19112.3 | 19112.3 | 0.0 | U |
| 4.867 | 3.7074 | 0.0000 | 85.809 | 3.70731 | 0.00000 | 19408.7 | 19408.7 | 0.0 | U |
| 4.889 | 3.7174 | 0.0000 | 85.821 | 3.71130 | 0.00000 | 19705.4 | 19705.4 | 0.0 | U |
| 4.911 | 3.7150 | 0.0000 | 85.833 | 3.71499 | 0.00000 | 20002.5 | 20002.5 | 0.0 | U |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: Pond 3100 Year/24 Hour Routing

| Elapsed Time (hours) | Inflow Rate <br> ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (fuday) | Stage Elevation (fl datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative <br> Discharge <br> Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4.933 | 3.7185 | 0.0000 | 85.846 | 3.71842 | 0.00000 | 20299.8 | 20299.8 | 0.0 | U |
| 4.956 | 3.7217 | 0.0000 | 85.858 | 3.72165 | 0.00000 | 20597.4 | 20597.4 | 0.0 | U |
| 4.978 | 3.7248 | 0.0000 | 85.870 | 3.72493 | 0.00000 | 20895.3 | 20895.3 | 0.0 | U |
| 5.000 | 3.7285 | 0.0000 | 85.883 | 3.72921 | 0.00000 | 21193.4 | 21193.4 | 0.0 | U |
| 5.022 | 3.7351 | 0.0000 | 85.895 | 3.73651 | 0.00000 | 21492.0 | 21492.0 | 0.0 | U |
| 5.044 | 3.7473 | 0.0000 | 85.908 | 3.74906 | 0.00000 | 21791.3 | 21791.3 | 0.0 | U |
| 5.067 | 3.7665 | 0.0000 | 85.920 | 3.76752 | 0.00000 | 22091.8 | 22091.8 | 0.0 | U |
| 5.089 | 3.7899 | 0.0000 | 85.933 | 3.78995 | 0.00000 | 22394.1 | 22394.1 | 0.0 | U |
| 5.111 | 3.8136 | 0.0000 | 85.946 | 3.81310 | 0.00000 | 22698.2 | 22698.2 | 0.0 | U |
| 5.133 | 3.8352 | 0.0000 | 85.958 | 3.83427 | 0.00000 | 23004.2 | 23004.2 | 0.0 | U |
| 5.156 | 3.8529 | 0.0000 | 85.971 | 3.85183 | 0.00000 | 23311.7 | 23311.7 | 0.0 | U |
| 5.178 | 3.8662 | 0.0000 | 85.984 | 3.86537 | 0.00000 | 23620.5 | 23620.5 | 0.0 | U |
| 5.200 | 3.8761 | 0.0000 | 85.997 | 3.87560 | 0.00000 | 23930.2 | 23930.2 | 0.0 | U |
| 5.222 | 3.8839 | 0.0000 | 86.010 | 3.88353 | 0.00000 | 24240.6 | 24240.6 | 0.0 | U |
| 5.244 | 3.8902 | 0.0000 | 86.023 | 3.88985 | 0.00000 | 24551.5 | 24551.5 | 0.0 | U |
| 5.267 | 3.8952 | 0.0000 | 86.036 | 3.89496 | 0.00000 | 24862.9 | 24862.9 | 0.0 | U |
| 5.289 | 3.8994 | 0.0000 | 86.049 | 3.89919 | 0.00000 | 25174.7 | 25174.7 | 0.0 | U |
| 5.311 | 3.9029 | 0.0000 | 86.062 | 3.90277 | 0.00000 | 25486.8 | 25486.8 | 0.0 | U |
| 5.333 | 3.9059 | 0.0000 | 86.075 | 3.90585 | 0.00000 | 25799.2 | 25799.2 | 0.0 | U |
| 5.356 | 3.9086 | 0.0000 | 86.088 | 3.90858 | 0.00000 | 26111.7 | 26111.7 | 0.0 | U |
| 5.378 | 3.9111 | 0.0000 | 86.101 | 3.91104 | 0.00000 | 26424.5 | 26424.5 | 0.0 | U |
| 5.400 | 3.9133 | 0.0000 | 86.114 | 3.91329 | 0.00000 | 26737.5 | 26737.5 | 0.0 | U |
| 5.422 | 3.9154 | 0.0000 | 86.127 | 3.91538 | 0.00000 | 27050.7 | 27050.7 | 0.0 | U |
| 5.444 | 3.9174 | 0.0000 | 86.140 | 3.91734 | 0.00000 | 27364.0 | 27364.0 | 0.0 | U |
| 5.467 | 3.9192 | 0.0000 | 86.153 | 3.91921 | 0.00000 | 27677.4 | 27677.4 | 0.0 | U |
| 5.489 | 3.9210 | 0.0000 | 86.166 | 3.92098 | 0.00000 | 27991.0 | 27991.0 | 0.0 | U |
| 5.511 | 3.9227 | 0.0000 | 86.179 | 3.92266 | 0.00000 | 28304.8 | 28304.8 | 0.0 | U |
| 5.533 | 3.9243 | 0.0000 | 86.192 | 3.92426 | 0.00000 | 28618.7 | 28618.7 | 0.0 | U |
| 5.556 | 3.9258 | 0.0000 | 86.205 | 3.92579 | 0.00000 | 28932.7 | 28932.7 | 0.0 | U |
| 5.578 | 3.9273 | 0.0000 | 86.218 | 3.92727 | 0.00000 | 29246.8 | 29246.8 | 0.0 | U |
| 5.600 | 3.9287 | 0.0000 | 86.231 | 3.92871 | 0.00000 | 29561.0 | 29561.0 | 0.0 | U |
| 5.622 | 3.9301 | 0.0000 | 86.245 | 3.93012 | 0.00000 | 29875.4 | 29875.4 | 0.0 | U |
| 5.644 | 3.9315 | 0.0000 | 86.258 | 3.93149 | 0.00000 | 30189.8 | 30189.8 | 0.0 | U |
| 5.667 | 3.9328 | 0.0000 | 86.271 | 3.93284 | 0.00000 | 30504.4 | 30504.4 | 0.0 | U |
| 5.689 | 3.9342 | 0.0000 | 86.284 | 3.93416 | 0.00000 | 30819.1 | 30819.1 | 0.0 | U |
| 5.711 | 3.9355 | 0.0000 | 86.297 | 3.93546 | 0.00000 | 31133.9 | 31133.9 | 0.0 | U |
| 5.733 | 3.9367 | 0.0000 | 86.310 | 3.93673 | 0.00000 | 31448.8 | 31448.8 | 0.0 | U |
| 5.756 | 3.9380 | 0.0000 | 86.323 | 3.93797 | 0.00000 | 31763.8 | 31763.8 | 0.0 | U |
| 5.778 | 3.9392 | 0.0000 | 86.336 | 3.93919 | 0.00000 | 32078.8 | 32078.8 | 0.0 | U |
| 5.800 | 3.9404 | 0.0000 | 86.349 | 3.94038 | 0.00000 | 32394.0 | 32394.0 | 0.0 | U |
| 5.822 | 3.9415 | 0.0000 | 86.363 | 3.94154 | 0.00000 | 32709.3 | 32709.3 | 0.0 | U |
| 5.844 | 3.9427 | 0.0000 | 86.376 | 3.94268 | 0.00000 | 33024.7 | 33024.7 | 0.0 | U |
| 5.867 | 3.9438 | 0.0000 | 86.389 | 3.94380 | 0.00000 | 33340.1 | 33340.1 | 0.0 | U |
| 5.889 | 3.9449 | 0.0000 | 86.402 | 3.94489 | 0.00000 | 33655.7 | 33655.7 | 0.0 | U |
| 5.911 | 3.9460 | 0.0000 | 86.415 | 3.94596 | 0.00000 | 33971.3 | 33971.3 | 0.0 | U |
| 5.933 | 3.9470 | 0.0000 | 86.428 | 3.94701 | 0.00000 | 34287.0 | 34287.0 | 0.0 | U |
| 5.956 | 3.9480 | 0.0000 | 86.441 | 3.94803 | 0.00000 | 34602.8 | 34602.8 | 0.0 | U |
| 5.978 | 3.9490 | 0.0000 | 86.455 | 3.94904 | 0.00000 | 34918.7 | 34918.7 | 0.0 | U |
| 6.000 | 3.9500 | 0.0000 | 86.468 | 3.96609 | 0.00000 | 35234.7 | 35234.7 | 0.0 | U |
| 6.022 | 4.0153 | 0.0000 | 86.481 | 4.01131 | 0.00000 | 35553.3 | 35553.3 | 0.0 | U |
| 6.044 | 4.2155 | 0.0000 | 90.000 | 4.04000 | 0.00000 | 35882.5 | 35876.5 | 0.0 | U/P |
| 6.067 | 4.6408 | 0.0000 | 90.001 | 4.04005 | 0.00000 | 36236.8 | 36199.7 | 0.0 | U/P |
| 6.089 | 5.2398 | 0.0000 | 90.002 | 4.04020 | 0.00000 | 36632.0 | 36522.9 | 0.0 | U/P |
| 6.111 | 5.8843 | 0.0000 | 90.003 | 4.04048 | 0.00000 | 37077.0 | 36846.1 | 0.0 | U/P |
| 6.133 | 6.4840 | 0.0000 | 90.006 | 4.04090 | 0.00000 | 37571.7 | 37169.4 | 0.0 | U/P |
| 6.156 | 6.9877 | 0.0000 | 90.009 | 4.04145 | 0.00000 | 38110.6 | 37492.7 | 0.0 | U/P |
| 6.178 | 7.3502 | 0.0000 | 90.012 | 4.04212 | 0.00000 | 38684.1 | 37816.0 | 0.0 | U/P |
| 6.200 | 7.6036 | 0.0000 | 90.016 | 4.04287 | 0.00000 | 39282.2 | 38139.4 | 0.0 | U/P |
| 6.222 | 7.7863 | 0.0000 | 90.021 | 4.04369 | 0.00000 | 39897.8 | 38462.9 | 0.0 | U/P |
| 6.244 | 7.9222 | 0.0000 | 90.025 | 4.04454 | 0.00000 | 40526.2 | 38786.4 | 0.0 | U/P |
| 6.267 | 8.0194 | 0.0000 | 90.029 | 4.04543 | 0.00000 | 41163.8 | 39110.0 | 0.0 | U/P |
| 6.289 | 8.0909 | 0.0000 | 90.034 | 4.04634 | 0.00000 | 41808.3 | 39433.7 | 0.0 | U/P |
| 6.311 | 8.1431 | 0.0000 | 90.039 | 4.04727 | 0.00000 | 42457.6 | 39757.4 | 0.0 | U/P |
| 6.333 | 8.1811 | 0.0000 | 90.043 | 4.04820 | 0.00000 | 43110.6 | 40081.2 | 0.0 | U/P |
| 6.356 | 8.2093 | 0.0000 | 90.048 | 4.04915 | 0.00000 | 43766.2 | 40405.1 | 0.0 | U/P |
| 6.378 | 8.2304 | 0.0000 | 90.053 | 4.05010 | 0.00000 | 44423.8 | 40729.1 | 0.0 | U/P |
| 6.400 | 8.2463 | 0.0000 | 90.058 | 4.05106 | 0.00000 | 45082.9 | 41053.1 | 0.0 | U/P |
| 6.422 | 8.2583 | 0.0000 | 90.062 | 4.05202 | 0.00000 | 45743.0 | 41377.3 | 0.0 | U/P |
| 6.444 | 8.2676 | 0.0000 | 90.067 | 4.05298 | 0.00000 | 46404.1 | 41701.5 | 0.0 | U/P |
| 6.467 | 8.2753 | 0.0000 | 90.072 | 4.05395 | 0.00000 | 47065.8 | 42025.7 | 0.0 | U/P |
| 6.489 | 8.2814 | 0.0000 | 90.077 | 4.05491 | 0.00000 | 47728.1 | 42350.1 | 0.0 | U/P |
| 6.511 | 8.2908 | 0.0000 | 90.082 | 4.05588 | 0.00000 | 48390.9 | 42674.5 | 0.0 | U/P |
| 6.533 | 8.3190 | 0.0000 | 90.087 | 4.05685 | 0.00000 | 49055.3 | 42999.0 | 0.0 | U/P |
| 6.556 | 8.3839 | 0.0000 | 90.091 | 4.05783 | 0.00000 | 49723.4 | 43323.6 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 3100 Year/24 Hour Routing

| Elapsed Time (hours) | inflow Rate (ft/s) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overtlow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume (fis) | Cumulative Infiltration Volume (ft ${ }^{3}$ ) | Cumulative Discharge Volume $\left(\mathrm{ft}^{3}\right)$ | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 6.578 | 8.4972 | 0.0000 | 90.096 | 4.05882 | 0.00000 | 50398.7 | 43648.3 | 0.0 | U/P |
| 6.600 | 8.6413 | 0.0000 | 90.102 | 4.05984 | 0.00000 | 51084.2 | 43973.0 | 0.0 | U/P |
| 6.622 | 8.7891 | 0.0000 | 90.107 | 4.06088 | 0.00000 | 51781.4 | 44297.9 | 0.0 | U/P |
| 6.644 | 8.9227 | 0.0000 | 90.112 | 4.06196 | 0.00000 | 52489.9 | 44622.8 | 0.0 | U/P |
| 6.667 | 9.0305 | 0.0000 | 90.118 | 4.06307 | 0.00000 | 53208.0 | 44947.8 | 0.0 | U/P |
| 6.689 | 9.1078 | 0.0000 | 90.124 | 4.06420 | 0.00000 | 53933.6 | 45272.9 | 0.0 | U/P |
| 6.711 | 9.1626 | 0.0000 | 90.129 | 4.06535 | 0.00000 | 54664.4 | 45598.1 | 0.0 | U/P |
| 6.733 | 9.2027 | 0.0000 | 90.135 | 4.06652 | 0.00000 | 55399.0 | 45923.3 | 0.0 | U/P |
| 6.756 | 9.2324 | 0.0000 | 90.141 | 4.06769 | 0.00000 | 56136.4 | 46248.7 | 0.0 | U/P |
| 6.778 | 9.2542 | 0.0000 | 90.147 | 4.06886 | 0.00000 | 56875.9 | 46574.2 | 0.0 | U/P |
| 6.800 | 9.2703 | 0.0000 | 90.153 | 4.07005 | 0.00000 | 57616.8 | 46899.7 | 0.0 | U/P |
| 6.822 | 9.2824 | 0.0000 | 90.159 | 4.07123 | 0.00000 | 58359.0 | 47225.4 | 0.0 | U/P |
| 6.844 | 9.2914 | 0.0000 | 90.165 | 4.07242 | 0.00000 | 59101.9 | 47551.1 | 0.0 | U/P |
| 6.867 | 9.2983 | 0.0000 | 90.171 | 4.07361 | 0.00000 | 59845.5 | 47877.0 | 0.0 | U/P |
| 6.889 | 9.3037 | 0.0000 | 90.177 | 4.07480 | 0.00000 | 60589.6 | 48202.9 | 0.0 | U/P |
| 6.911 | 9.3080 | 0.0000 | 90.183 | 4.07599 | 0.00000 | 61334.0 | 48528.9 | 0.0 | U/P |
| 6.933 | 9.3114 | 0.0000 | 90.189 | 4.07718 | 0.00000 | 62078.8 | 48855.0 | 0.0 | U/P |
| 6.956 | 9.3143 | 0.0000 | 90.194 | 4.07837 | 0.00000 | 62823.9 | 49181.3 | 0.0 | U/P |
| 6.978 | 9.3167 | 0.0000 | 90.200 | 4.07956 | 0.00000 | 63569.1 | 49507.6 | 0.0 | U/P |
| 7.000 | 9.3188 | 0.0000 | 90.206 | 4.08075 | 0.00000 | 64314.5 | 49834.0 | 0.0 | U/P |
| 7.022 | 9.3461 | 0.0000 | 90.212 | 4.08194 | 0.00000 | 65061.1 | 50160.5 | 0.0 | U/P |
| 7.044 | 9.4411 | 0.0000 | 90.218 | 4.08314 | 0.00000 | 65812.6 | 50487.1 | 0.0 | U/P |
| 7.067 | 9.6557 | 0.0000 | 90.225 | 4.08437 | 0.00000 | 66576.5 | 50813.8 | 0.0 | U/P |
| 7.089 | 9.9897 | 0.0000 | 90.231 | 4.08564 | 0.00000 | 67362.3 | 51140.6 | 0.0 | U/P |
| 7.111 | 10.3804 | 0.0000 | 90.238 | 4.08698 | 0.00000 | 68177.1 | 51467.5 | 0.0 | U/P |
| 7.133 | 10.7634 | 0.0000 | 90.245 | 4.08841 | 0.00000 | 69022.8 | 51794.5 | 0.0 | U/P |
| 7.156 | 11.0980 | 0.0000 | 90.253 | 4.08992 | 0.00000 | 69897.3 | 52121.7 | 0.0 | U/P |
| 7.178 | 11.3549 | 0.0000 | 90.261 | 4.09151 | 0.00000 | 70795.4 | 52448.9 | 0.0 | U/P |
| 7.200 | 11.5365 | 0.0000 | 90.269 | 4.09315 | 0.00000 | 71711.1 | 52776.3 | 0.0 | U/P |
| 7.222 | 11.6657 | 0.0000 | 90.278 | 4.09483 | 0.00000 | 72639.2 | 53103.8 | 0.0 | U/P |
| 7.244 | 11.7603 | 0.0000 | 90.287 | 4.09655 | 0.00000 | 73576.2 | 53431.5 | 0.0 | U/P |
| 7.267 | 11.8290 | 0.0000 | 90.295 | 4.09828 | 0.00000 | 74519.8 | 53759.3 | 0.0 | U/P |
| 7.289 | 11.8788 | 0.0000 | 90.304 | 4.10003 | 0.00000 | 75468.1 | 54087.2 | 0.0 | U/P |
| 7.311 | 11.9152 | 0.0000 | 90.313 | 4.10179 | 0.00000 | 76419.8 | 54415.3 | 0.0 | U/P |
| 7.333 | 11.9416 | 0.0000 | 90.322 | 4.10356 | 0.00000 | 77374.1 | 54743.5 | 0.0 | U/P |
| 7.356 | 11.9610 | 0.0000 | 90.330 | 4.10533 | 0.00000 | 78330.2 | 55071.8 | 0.0 | U/P |
| 7.378 | 11.9753 | 0.0000 | 90.339 | 4.10710 | 0.00000 | 79287.7 | 55400.3 | 0.0 | U/P |
| 7.400 | 11.9861 | 0.0000 | 90.348 | 4.10888 | 0.00000 | 80246.1 | 55729.0 | 0.0 | U/P |
| 7.422 | 11.9940 | 0.0000 | 90.357 | 4.11066 | 0.00000 | 81205.3 | 56057.8 | 0.0 | U/P |
| 7.444 | 12.0001 | 0.0000 | 90.366 | 4.11244 | 0.00000 | 82165.1 | 56386.7 | 0.0 | U/P |
| 7.467 | 12.0048 | 0.0000 | 90.375 | 4.11421 | 0.00000 | 83125.3 | 56715.7 | 0.0 | U/P |
| 7.489 | 12.0088 | 0.0000 | 90.384 | 4.11599 | 0.00000 | 84085.8 | 57045.0 | 0.0 | U/P |
| 7.511 | 12.0117 | 0.0000 | 90.393 | 4.11777 | 0.00000 | 85046.7 | 57374.3 | 0.0 | U/P |
| 7.533 | 12.0603 | 0.0000 | 90.401 | 4.11955 | 0.00000 | 86009.5 | 57703.8 | 0.0 | U/P |
| 7.556 | 12.2076 | 0.0000 | 90.410 | 4.12135 | 0.00000 | 86980.3 | 58033.4 | 0.0 | U/P |
| 7.578 | 12.5214 | 0.0000 | 90.420 | 4.12318 | 0.00000 | 87969.4 | 58363.2 | 0.0 | U/P |
| 7.600 | 12.9675 | 0.0000 | 90.429 | 4.12507 | 0.00000 | 88989.0 | 58693.1 | 0.0 | U/P |
| 7.622 | 13.4514 | 0.0000 | 90.440 | 4.12706 | 0.00000 | 90045.7 | 59023.2 | 0.0 | U/P |
| 7.644 | 13.9042 | 0.0000 | 90.450 | 4.12916 | 0.00000 | 91139.9 | 59353.5 | 0.0 | U/P |
| 7.667 | 14.2859 | 0.0000 | 90.461 | 4.13135 | 0.00000 | 92267.5 | 59683.9 | 0.0 | U/P |
| 7.689 | 14.5625 | 0.0000 | 90.473 | 4.13362 | 0.00000 | 93421.5 | 60014.5 | 0.0 | U/P |
| 7.711 | 14.7557 | 0.0000 | 90.485 | 4.13596 | 0.00000 | 94594.2 | 60345.3 | 0.0 | U/P |
| 7.733 | 14.8945 | 0.0000 | 90.497 | 4.13834 | 0.00000 | 95780.2 | 60676.2 | 0.0 | U/P |
| 7.756 | 14.9973 | 0.0000 | 90.509 | 4.14075 | 0.00000 | 96975.9 | 61007.4 | 0.0 | U/P |
| 7.778 | 15.0707 | 0.0000 | 90.521 | 4.14318 | 0.00000 | 98178.6 | 61338.8 | 0.0 | U/P |
| 7.800 | 15.1243 | 0.0000 | 90.533 | 4.14562 | 0.00000 | 99386.4 | 61670.3 | 0.0 | U/P |
| 7.822 | 15.1632 | 0.0000 | 90.545 | 4.14808 | 0.00000 | 100597.9 | 62002.1 | 0.0 | U/P |
| 7.844 | 15.1913 | 0.0000 | 90.558 | 4.15054 | 0.00000 | 101812.1 | 62334.0 | 0.0 | U/P |
| 7.867 | 15.2119 | 0.0000 | 90.570 | 4.15301 | 0.00000 | 103028.2 | 62666.1 | 0.0 | U/P |
| 7.889 | 15.2271 | 0.0000 | 90.582 | 4.15548 | 0.00000 | 104245.8 | 62998.5 | 0.0 | U/P |
| 7.911 | 15.2383 | 0.0000 | 90.595 | 4.15795 | 0.00000 | 105464.4 | 63331.0 | 0.0 | U/P |
| 7.933 | 15.2466 | 0.0000 | 90.607 | 4.16042 | 0.00000 | 106683.8 | 63663.8 | 0.0 | U/P |
| 7.956 | 15.2528 | 0.0000 | 90.619 | 4.16289 | 0.00000 | 107903.7 | 63996.7 | 0.0 | U/P |
| 7.978 | 15.2578 | 0.0000 | 90.632 | 4.16536 | 0.00000 | 109124.2 | 64329.8 | 0.0 | U/P |
| 8.000 | 15.2785 | 0.0000 | 90.644 | 4.16783 | 0.00000 | 110345.6 | 64663.1 | 0.0 | U/P |
| 8.022 | 15.3634 | 0.0000 | 90.656 | 4.17031 | 0.00000 | 111571.3 | 64996.7 | 0.0 | U/P |
| 8.044 | 15.5689 | 0.0000 | 90.669 | 4.17280 | 0.00000 | 112808.6 | 65330.4 | 0.0 | U/P |
| 8.067 | 15.9237 | 0.0000 | 90.682 | 4.17534 | 0.00000 | 114068.3 | 65664.3 | 0.0 | U/P |
| 8.089 | 16.3709 | 0.0000 | 90.695 | 4.17796 | 0.00000 | 115360.1 | 65998.5 | 0.0 | U/P |
| 8.111 | 16.8274 | 0.0000 | 90.709 | 4.18067 | 0.00000 | 116688.0 | 66332.8 | 0.0 | U/P |
| 8.133 | 17.2376 | 0.0000 | 90.723 | 4.18347 | 0.00000 | 118050.6 | 66667.4 | 0.0 | U/P |
| 8.156 | 17.5660 | 0.0000 | 90.738 | 4.18636 | 0.00000 | 119442.8 | 67002.1 | 0.0 | U/P |
| 8.178 | 17.8000 | 0.0000 | 90.753 | 4.18932 | 0.00000 | 120857.4 | 67337.2 | 0.0 | U/P |
| 8.200 | 17.9646 | 0.0000 | 90.768 | 4.19233 | 0.00000 | 122288.0 | 67672.4 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 3100 Year / 24 Hour Routing

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{3} / \mathrm{s}$ ) | Outside Recharge (fl/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow <br> Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 8.222 | 18.0840 | 0.0000 | 90.783 | 4.19537 | 0.00000 | 123729.9 | 68007.9 | 0.0 | U/P |
| 8.244 | 18.1715 | 0.0000 | 90.798 | 4.19844 | 0.00000 | 125180.1 | 68343.7 | 0.0 | U/P |
| 8.267 | 18.2342 | 0.0000 | 90.814 | 4.20153 | 0.00000 | 126636.4 | 68679.7 | 0.0 | U/P |
| 8.289 | 18.2800 | 0.0000 | 90.829 | 4.20462 | 0.00000 | 128096.9 | 69015.9 | 0.0 | U/P |
| 8.311 | 18.3130 | 0.0000 | 90.845 | 4.20773 | 0.00000 | 129560.7 | 69352.4 | 0.0 | U/P |
| 8.333 | 18.3369 | 0.0000 | 90.860 | 4.21084 | 0.00000 | 131026.6 | 69689.2 | 0.0 | U/P |
| 8.356 | 18.3544 | 0.0000 | 90.876 | 4.21395 | 0.00000 | 132494.3 | 70026.2 | 0.0 | U/P |
| 8.378 | 18.3673 | 0.0000 | 90.891 | 4.21706 | 0.00000 | 133963.2 | 70363.4 | 0.0 | U/P |
| 8.400 | 18.3768 | 0.0000 | 90.907 | 4.22017 | 0.00000 | 135432.9 | 70700.9 | 0.0 | U/P |
| 8.422 | 18.3838 | 0.0000 | 90.922 | 4.22328 | 0.00000 | 136903.4 | 71038.6 | 0.0 | U/P |
| 8.444 | 18.3891 | 0.0000 | 90.938 | 4.22639 | 0.00000 | 138374.3 | 71376.6 | 0.0 | U/P |
| 8.467 | 18.3934 | 0.0000 | 90.953 | 4.22950 | 0.00000 | 139845.6 | 71714.9 | 0.0 | U/P |
| 8.489 | 18.3965 | 0.0000 | 90.969 | 4.23261 | 0.00000 | 141317.2 | 72053.3 | 0.0 | U/P |
| 8.511 | 18.3986 | 0.0000 | 90.984 | 4.23571 | 0.00000 | 142789.0 | 72392.1 | 0.0 | U/P |
| 8.533 | 18.3997 | 0.0000 | 91.000 | 4.23881 | 0.00000 | 144260.9 | 72731.1 | 0.0 | U/P |
| 8.556 | 18.4003 | 0.0000 | 91.015 | 4.24191 | 0.00000 | 145732.9 | 73070.3 | 0.0 | U/P |
| 8.578 | 18.4008 | 0.0000 | 91.031 | 4.24500 | 0.00000 | 147205.0 | 73409.8 | 0.0 | U/P |
| 8.600 | 18.4013 | 0.0000 | 91.046 | 4.24810 | 0.00000 | 148677.0 | 73749.5 | 0.0 | U/P |
| 8.622 | 18.4017 | 0.0000 | 91.062 | 4.25119 | 0.00000 | 150149.2 | 74089.5 | 0.0 | U/P |
| 8.644 | 18.4022 | 0.0000 | 91.077 | 4.25427 | 0.00000 | 151621.3 | 74429.7 | 0.0 | U/P |
| 8.667 | 18.4027 | 0.0000 | 91.092 | 4.25736 | 0.00000 | 153093.5 | 74770.1 | 0.0 | U/P |
| 8.689 | 18.4031 | 0.0000 | 91.108 | 4.26044 | 0.00000 | 154565.7 | 75110.8 | 0.0 | U/P |
| 8.711 | 18.4035 | 0.0000 | 91.123 | 4.26352 | 0.00000 | 156038.0 | 75451.8 | 0.0 | U/P |
| 8.733 | 18.4040 | 0.0000 | 91.138 | 4.26659 | 0.00000 | 157510.3 | 75793.0 | 0.0 | U/P |
| 8.756 | 18.4044 | 0.0000 | 91.154 | 4.26967 | 0.00000 | 158982.6 | 76134.5 | 0.0 | U/P |
| 8.778 | 18.4048 | 0.0000 | 91.169 | 4.27274 | 0.00000 | 160455.0 | 76476.2 | 0.0 | U/P |
| 8.800 | 18.4052 | 0.0000 | 91.184 | 4.27581 | 0.00000 | 161927.4 | 76818.1 | 0.0 | U/P |
| 8.822 | 18.4056 | 0.0000 | 91.200 | 4.27887 | 0.00000 | 163399.8 | 77160.3 | 0.0 | U/P |
| 8.844 | 18.4060 | 0.0000 | 91.215 | 4.28193 | 0.00000 | 164872.3 | 77502.7 | 0.0 | U/P |
| 8.867 | 18.4063 | 0.0000 | 91.230 | 4.28499 | 0.00000 | 166344.8 | 77845.4 | 0.0 | U/P |
| 8.889 | 18.4067 | 0.0000 | 91.245 | 4.28805 | 0.00000 | 167817.3 | 78188.3 | 0.0 | U/P |
| 8.911 | 18.4071 | 0.0000 | 91.261 | 4.29110 | 0.00000 | 169289.9 | 78531.5 | 0.0 | U/P |
| 8.933 | 18.4074 | 0.0000 | 91.276 | 4.29415 | 0.00000 | 170762.4 | 78874.9 | 0.0 | U/P |
| 8.956 | 18.4078 | 0.0000 | 91.291 | 4.29720 | 0.00000 | 172235.0 | 79218.6 | 0.0 | U/P |
| 8.978 | 18.4081 | 0.0000 | 91.306 | 4.30025 | 0.00000 | 173707.7 | 79562.5 | 0.0 | U/P |
| 9.000 | 18.4084 | 0.0000 | 91.321 | 4.30329 | 0.00000 | 175180.3 | 79906.6 | 0.0 | U/P |
| 9.022 | 18.3259 | 0.0000 | 91.337 | 4.30632 | 0.00000 | 176649.7 | 80251.0 | 0.0 | U/P |
| 9.044 | 18.0695 | 0.0000 | 91.351 | 4.30933 | 0.00000 | 178105.5 | 80595.6 | 0.0 | U/P |
| 9.067 | 17.5233 | 0.0000 | 91.366 | 4.31228 | 0.00000 | 179529.2 | 80940.5 | 0.0 | U/P |
| 9.089 | 16.7535 | 0.0000 | 91.380 | 4.31511 | 0.00000 | 180900.3 | 81285.6 | 0.0 | U/P |
| 9.111 | 15.9257 | 0.0000 | 91.393 | 4.31778 | 0.00000 | 182207.5 | 81630.9 | 0.0 | U/P |
| 9.133 | 15.1558 | 0.0000 | 91.405 | 4.32028 | 0.00000 | 183450.7 | 81976.4 | 0.0 | U/P |
| 9.156 | 14.5101 | 0.0000 | 91.416 | 4.32261 | 0.00000 | 184637.4 | 82322.1 | 0.0 | U/P |
| 9.178 | 14.0466 | 0.0000 | 91.427 | 4.32481 | 0.00000 | 185779.6 | 82668.0 | 0.0 | U/P |
| 9.200 | 13.7238 | 0.0000 | 91.437 | 4.32690 | 0.00000 | 186890.4 | 83014.1 | 0.0 | U/P |
| 9.222 | 13.4921 | 0.0000 | 91.447 | 4.32892 | 0.00000 | 187979.1 | 83360.3 | 0.0 | U/P |
| 9.244 | 13.3208 | 0.0000 | 91.456 | 4.33089 | 0.00000 | 189051.6 | 83706.7 | 0.0 | U/P |
| 9.267 | 13.1992 | 0.0000 | 91.466 | 4.33281 | 0.00000 | 190112.4 | 84053.3 | 0.0 | U/P |
| 9.289 | 13.1108 | 0.0000 | 91.475 | 4.33471 | 0.00000 | 191164.8 | 84400.0 | 0.0 | U/P |
| 9.311 | 13.0471 | 0.0000 | 91.485 | 4.33659 | 0.00000 | 192211.1 | 84746.8 | 0.0 | U/P |
| 9.333 | 13.0017 | 0.0000 | 91.494 | 4.33846 | 0.00000 | 193253.1 | 85093.8 | 0.0 | U/P |
| 9.356 | 12.9687 | 0.0000 | 91.503 | 4.34031 | 0.00000 | 194291.9 | 85441.0 | 0.0 | U/P |
| 9.378 | 12.9448 | 0.0000 | 91.512 | 4.34215 | 0.00000 | 195328.4 | 85788.3 | 0.0 | U/P |
| 9.400 | 12.9275 | 0.0000 | 91.522 | 4.34399 | 0.00000 | 196363.3 | 86135.7 | 0.0 | U/P |
| 9.422 | 12.9152 | 0.0000 | 91.531 | 4.34583 | 0.00000 | 197397.0 | 86483.3 | 0.0 | U/P |
| 9.444 | 12.9062 | 0.0000 | 91.540 | 4.34765 | 0.00000 | 198429.9 | 86831.1 | 0.0 | U/P |
| 9.467 | 12.8992 | 0.0000 | 91.549 | 4.34948 | 0.00000 | 199462.1 | 87178.9 | 0.0 | U/P |
| 9.489 | 12.8942 | 0.0000 | 91.558 | 4.35130 | 0.00000 | 200493.8 | 87527.0 | 0.0 | U/P |
| 9.511 | 12.8886 | 0.0000 | 91.567 | 4.35313 | 0.00000 | 201525.2 | 87875.2 | 0.0 | U/P |
| 9.533 | 12.8744 | 0.0000 | 91.576 | 4.35494 | 0.00000 | 202555.7 | 88223.5 | 0.0 | U/P |
| 9.556 | 12.8428 | 0.0000 | 91.585 | 4.35676 | 0.00000 | 203584.4 | 88571.9 | 0.0 | U/P |
| 9.578 | 12.7866 | 0.0000 | 91.594 | 4.35856 | 0.00000 | 204609.5 | 88920.6 | 0.0 | U/P |
| 9.600 | 12.7150 | 0.0000 | 91.603 | 4.36036 | 0.00000 | 205629.6 | 89269.3 | 0.0 | U/P |
| 9.622 | 12.6415 | 0.0000 | 91.612 | 4.36213 | 0.00000 | 206643.9 | 89618.2 | 0.0 | U/P |
| 9.644 | 12.5751 | 0.0000 | 91.621 | 4.36389 | 0.00000 | 207652.5 | 89967.3 | 0.0 | U/P |
| 9.667 | 12.5218 | 0.0000 | 91.629 | 4.36564 | 0.00000 | 208656.4 | 90316.4 | 0.0 | U/P |
| 9.689 | 12.4838 | 0.0000 | 91.638 | 4.36737 | 0.00000 | 209656.6 | 90665.8 | 0.0 | U/P |
| 9.711 | 12.4572 | 0.0000 | 91.647 | 4.36910 | 0.00000 | 210654.3 | 91015.2 | 0.0 | U/P |
| 9.733 | 12.4379 | 0.0000 | 91.655 | 4.37082 | 0.00000 | 211650.1 | 91364.8 | 0.0 | U/P |
| 9.756 | 12.4239 | 0.0000 | 91.664 | 4.37253 | 0.00000 | 212644.5 | 91714.5 | 0.0 | U/P |
| 9.778 | 12.4138 | 0.0000 | 91.672 | 4.37424 | 0.00000 | 213638.0 | 92064.4 | 0.0 | U/P |
| 9.800 | 12.4066 | 0.0000 | 91.681 | 4.37594 | 0.00000 | 214630.9 | 92414.4 | 0.0 | U/P |
| 9.822 | 12.4014 | 0.0000 | 91.689 | 4.37764 | 0.00000 | 215623.2 | 92764.6 | 0.0 | U/P |
| 9.844 | 12.3977 | 0.0000 | 91.698 | 4.37934 | 0.00000 | 216615.1 | 93114.8 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 3100 Year/24 Hour Routing

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3 / 3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{H}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{H1}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{fl}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 9.867 | 12.3950 | 0.0000 | 91.706 | 4.38104 | 0.00000 | 217606.9 | 93465.3 | 0.0 | U/P |
| 9.889 | 12.3931 | 0.0000 | 91.715 | 4.38274 | 0.00000 | 218598.4 | 93815.8 | 0.0 | U/P |
| 9.911 | 12.3917 | 0.0000 | 91.723 | 4.38444 | 0.00000 | 219589.8 | 94166.5 | 0.0 | U/P |
| 9.933 | 12.3908 | 0.0000 | 91.731 | 4.38613 | 0.00000 | 220581.1 | 94517.3 | 0.0 | U/P |
| 9.956 | 12.3901 | 0.0000 | 91.740 | 4.38782 | 0.00000 | 221572.3 | 94868.3 | 0.0 | U/P |
| 9.978 | 12.3896 | 0.0000 | 91.748 | 4.38951 | 0.00000 | 222563.5 | 95219.4 | 0.0 | U/P |
| 10.000 | 12.3892 | 0.0000 | 91.757 | 4.39121 | 0.00000 | 223554.7 | 95570.6 | 0.0 | U/P |
| 10.022 | 12.3312 | 0.0000 | 91.765 | 4.39289 | 0.00000 | 224543.5 | 95922.0 | 0.0 | U/P |
| 10.044 | 12.1194 | 0.0000 | 91.773 | 4.39456 | 0.00000 | 225521.5 | 96273.5 | 0.0 | U/P |
| 10.067 | 11.6369 | 0.0000 | 91.781 | 4.39618 | 0.00000 | 226471.7 | 96625.1 | 0.0 | U/P |
| 10.089 | 10.8844 | 0.0000 | 91.789 | 4.39769 | 0.00000 | 227372.6 | 96976.9 | 0.0 | U/P |
| 10.111 | 10.0035 | 0.0000 | 91.795 | 4.39905 | 0.00000 | 228208.1 | 97328.7 | 0.0 | U/P |
| 10.133 | 9.1404 | 0.0000 | 91.800 | 4.40023 | 0.00000 | 228973.9 | 97680.7 | 0.0 | U/P |
| 10.156 | 8.3868 | 0.0000 | 91.805 | 4.40124 | 0.00000 | 229675.0 | 98032.8 | 0.0 | U/P |
| 10.178 | 7.8092 | 0.0000 | 91.809 | 4.40209 | 0.00000 | 230322.8 | 98384.9 | 0.0 | U/P |
| 10.200 | 7.4015 | 0.0000 | 91.812 | 4.40282 | 0.00000 | 230931.2 | 98737.1 | 0.0 | U/P |
| 10.222 | 7.1127 | 0.0000 | 91.815 | 4.40345 | 0.00000 | 231511.8 | 99089.3 | 0.0 | U/P |
| 10.244 | 6.9019 | 0.0000 | 91.818 | 4.40403 | 0.00000 | 232072.4 | 99441.7 | 0.0 | U/P |
| 10.267 | 6.7496 | 0.0000 | 91.820 | 4.40456 | 0.00000 | 232618.4 | 99794.0 | 0.0 | U/P |
| 10.289 | 6.6399 | 0.0000 | 91.823 | 4.40505 | 0.00000 | 233154.0 | 100146.4 | 0.0 | U/P |
| 10.311 | 6.5606 | 0.0000 | 91.825 | 4.40553 | 0.00000 | 233682.0 | 100498.8 | 0.0 | U/P |
| 10.333 | 6.5038 | 0.0000 | 91.827 | 4.40598 | 0.00000 | 234204.6 | 100851.3 | 0.0 | U/P |
| 10.356 | 6.4628 | 0.0000 | 91.830 | 4.40642 | 0.00000 | 234723.3 | 101203.8 | 0.0 | U/P |
| 10.378 | 6.4330 | 0.0000 | 91.832 | 4.40686 | 0.00000 | 235239.1 | 101556.3 | 0.0 | U/P |
| 10.400 | 6.4114 | 0.0000 | 91.834 | 4.40728 | 0.00000 | 235752.9 | 101908.9 | 0.0 | U/P |
| 10.422 | 6.3959 | 0.0000 | 91.836 | 4.40771 | 0.00000 | 236265.2 | 102261.5 | 0.0 | U/P |
| 10.444 | 6.3847 | 0.0000 | 91.838 | 4.40813 | 0.00000 | 236776.4 | 102614.1 | 0.0 | U/P |
| 10.467 | 6.3762 | 0.0000 | 91.840 | 4.40854 | 0.00000 | 237286.8 | 102966.8 | 0.0 | U/P |
| 10.489 | 6.3698 | 0.0000 | 91.842 | 4.40896 | 0.00000 | 237796.7 | 103319.5 | 0.0 | U/P |
| 10.511 | 6.3655 | 0.0000 | 91.844 | 4.40937 | 0.00000 | 238306.1 | 103672.2 | 0.0 | U/P |
| 10.533 | 6.3727 | 0.0000 | 91.846 | 4.40978 | 0.00000 | 238815.6 | 104025.0 | 0.0 | U/P |
| 10.556 | 6.4023 | 0.0000 | 91.848 | 4.41019 | 0.00000 | 239326.6 | 104377.8 | 0.0 | U/P |
| 10.578 | 6.4672 | 0.0000 | 91.850 | 4.41062 | 0.00000 | 239841.4 | 104730.6 | 0.0 | U/P |
| 10.600 | 6.5595 | 0.0000 | 91.853 | 4.41105 | 0.00000 | 240362.5 | 105083.4 | 0.0 | U/P |
| 10.622 | 6.6597 | 0.0000 | 91.855 | 4.41150 | 0.00000 | 240891.2 | 105436.4 | 0.0 | U/P |
| 10.644 | 6.7534 | 0.0000 | 91.857 | 4.41197 | 0.00000 | 241427.8 | 105789.3 | 0.0 | U/P |
| 10.667 | 6.8323 | 0.0000 | 91.860 | 4.41247 | 0.00000 | 241971.2 | 106142.3 | 0.0 | U/P |
| 10.689 | 6.8895 | 0.0000 | 91.862 | 4.41297 | 0.00000 | 242520.1 | 106495.3 | 0.0 | U/P |
| 10.711 | 6.9293 | 0.0000 | 91.865 | 4.41349 | 0.00000 | 243072.8 | 106848.3 | 0.0 | U/P |
| 10.733 | 6.9579 | 0.0000 | 91.868 | 4.41402 | 0.00000 | 243628.3 | 107201.4 | 0.0 | U/P |
| 10.756 | 6.9790 | 0.0000 | 91.870 | 4.41456 | 0.00000 | 244185.8 | 107554.6 | 0.0 | U/P |
| 10.778 | 6.9940 | 0.0000 | 91.873 | 4.41509 | 0.00000 | 244744.7 | 107907.8 | 0.0 | U/P |
| 10.800 | 7.0050 | 0.0000 | 91.876 | 4.41564 | 0.00000 | 245304.7 | 108261.0 | 0.0 | U/P |
| 10.822 | 7.0128 | 0.0000 | 91.879 | 4.41618 | 0.00000 | 245865.4 | 108614.3 | 0.0 | U/P |
| 10.844 | 7.0185 | 0.0000 | 91.881 | 4.41673 | 0.00000 | 246426.6 | 108967.6 | 0.0 | U/P |
| 10.867 | 7.0225 | 0.0000 | 91.884 | 4.41727 | 0.00000 | 246988.3 | 109321.0 | 0.0 | U/P |
| 10.889 | 7.0255 | 0.0000 | 91.887 | 4.41782 | 0.00000 | 247550.2 | 109674.4 | 0.0 | U/P |
| 10.911 | 7.0277 | 0.0000 | 91.889 | 4.41837 | 0.00000 | 248112.3 | 110027.8 | 0.0 | U/P |
| 10.933 | 7.0292 | 0.0000 | 91.892 | 4.41891 | 0.00000 | 248674.6 | 110381.3 | 0.0 | U/P |
| 10.956 | 7.0304 | 0.0000 | 91.895 | 4.41946 | 0.00000 | 249237.0 | 110734.8 | 0.0 | U/P |
| 10.978 | 7.0313 | 0.0000 | 91.898 | 4.42001 | 0.00000 | 249799.4 | 111088.4 | 0.0 | U/P |
| 11.000 | 7.0156 | 0.0000 | 91.900 | 4.42056 | 0.00000 | 250361.3 | 111442.0 | 0.0 | U/P |
| 11.022 | 6.9367 | 0.0000 | 91.903 | 4.42110 | 0.00000 | 250919.4 | 111795.7 | 0.0 | U/P |
| 11.044 | 6.7399 | 0.0000 | 91.906 | 4.42162 | 0.00000 | 251466.5 | 112149.4 | 0.0 | U/P |
| 11.067 | 6.3977 | 0.0000 | 91.908 | 4.42210 | 0.00000 | 251992.0 | 112503.2 | 0.0 | U/P |
| 11.089 | 5.9561 | 0.0000 | 91.910 | 4.42251 | 0.00000 | 252486.5 | 112856.9 | 0.0 | U/P |
| 11.111 | 5.5256 | 0.0000 | 91.911 | 4.42283 | 0.00000 | 252946.2 | 113210.8 | 0.0 | U/P |
| 11.133 | 5.1298 | 0.0000 | 91.912 | 4.42307 | 0.00000 | 253372.4 | 113564.6 | 0.0 | U/P |
| 11.156 | 4.8131 | 0.0000 | 91.913 | 4.42322 | 0.00000 | 253770.1 | 113918.4 | 0.0 | U/P |
| 11.178 | 4.5877 | 0.0000 | 91.913 | 4.42331 | 0.00000 | 254146.2 | 114272.3 | 0.0 | U/P |
| 11.200 | 4.4293 | 0.0000 | 91.913 | 4.42334 | 0.00000 | 254506.8 | 114626.2 | 0.0 | U/P |
| 11.222 | 4.3147 | 0.0000 | 91.913 | 4.42335 | 0.00000 | 254856.6 | 114980.0 | 0.0 | U/P |
| 11.244 | 4.2309 | 0.0000 | 91.913 | 4.42333 | 0.00000 | 255198.4 | 115333.9 | 0.0 | U/P |
| 11.267 | 4.1710 | 0.0000 | 91.913 | 4.42329 | 0.00000 | 255534.5 | 115687.8 | 0.0 | U/P |
| 11.289 | 4.1275 | 0.0000 | 91.912 | 4.42323 | 0.00000 | 255866.4 | 116041.6 | 0.0 | U/P |
| 11.311 | 4.0963 | 0.0000 | 91.912 | 4.42317 | 0.00000 | 256195.4 | 116395.5 | 0.0 | U/P |
| 11.333 | 4.0739 | 0.0000 | 91.912 | 4.42311 | 0.00000 | 256522.2 | 116749.3 | 0.0 | U/P |
| 11.356 | 4.0576 | 0.0000 | 91.911 | 4.42303 | 0.00000 | 256847.5 | 117103.2 | 0.0 | U/P |
| 11.378 | 4.0458 | 0.0000 | 91.911 | 4.42296 | 0.00000 | 257171.6 | 117457.0 | 0.0 | U/P |
| 11.400 | 4.0373 | 0.0000 | 91.910 | 4.42288 | 0.00000 | 257494.9 | 117810.9 | 0.0 | U/P |
| 11.422 | 4.0312 | 0.0000 | 91.910 | 4.42280 | 0.00000 | 257817.7 | 118164.7 | 0.0 | U/P |
| \$1.444 | 4.0266 | 0.0000 | 91.910 | 4.42271 | 0.00000 | 258140.0 | 118518.5 | 0.0 | U/P |
| 11.467 | 4.0231 | 0.0000 | 91.909 | 4.42263 | 0.00000 | 258462.0 | 118872.3 | 0.0 | U/P |
| \$1.489 | 4.0207 | 0.0000 | 91.909 | 4.42255 | 0.00000 | 258783.7 | 119226.1 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 3100 Year/24 Hour Routing

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infilitation Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infilitration Volume ( $\mathrm{t}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 11.511 | 4.0175 | 0.0000 | 91.908 | 4.42246 | 0.00000 | 259105.3 | 119579.9 | 0.0 | U/P |
| 11.533 | 4.0108 | 0.0000 | 91.908 | 4.42238 | 0.00000 | 259426.4 | 119933.7 | 0.0 | U/P |
| 11.556 | 3.9971 | 0.0000 | 91.907 | 4.42229 | 0.00000 | 259746.7 | 120287.5 | 0.0 | U/P |
| 11.578 | 3.9760 | 0.0000 | 91.907 | 4.42220 | 0.00000 | 260065.6 | 120641.3 | 0.0 | U/P |
| 11.600 | 3.9515 | 0.0000 | 91.906 | 4.42211 | 0.00000 | 260382.7 | 120995.1 | 0.0 | U/P |
| 11.622 | 3.9276 | 0.0000 | 91.906 | 4.42201 | 0.00000 | 260697.9 | 121348.8 | 0.0 | U/P |
| 11.644 | 3.9068 | 0.0000 | 91.905 | 4.42191 | 0.00000 | 261011.3 | 121702.6 | 0.0 | U/P |
| 11.667 | 3.8910 | 0.0000 | 91.905 | 4.42180 | 0.00000 | 261323.2 | 122056.3 | 0.0 | U/P |
| 11.689 | 3.8799 | 0.0000 | 91.904 | 4.42169 | 0.00000 | 261634.0 | 122410.1 | 0.0 | U/P |
| 11.711 | 3.8720 | 0.0000 | 91.904 | 4.42157 | 0.00000 | 261944.1 | 122763.8 | 0.0 | U/P |
| 11.733 | 3.8662 | 0.0000 | 91.903 | 4.42146 | 0.00000 | 262253.6 | 123117.5 | 0.0 | U/P |
| 11.756 | 3.8621 | 0.0000 | 91.903 | 4.42134 | 0.00000 | 262562.8 | 123471.2 | 0.0 | U/P |
| 11.778 | 3.8591 | 0.0000 | 91.902 | 4.42122 | 0.00000 | 262871.6 | 123824.9 | 0.0 | U/P |
| 11.800 | 3.8569 | 0.0000 | 91.901 | 4.42111 | 0.00000 | 263180.3 | 124178.6 | 0.0 | U/P |
| 11.822 | 3.8554 | 0.0000 | 91.901 | 4.42099 | 0.00000 | 263488.7 | 124532.3 | 0.0 | U/P |
| 11.844 | 3.8542 | 0.0000 | 91.900 | 4.42087 | 0.00000 | 263797.1 | 124886.0 | 0.0 | U/P |
| 11.867 | 3.8534 | 0.0000 | 91.900 | 4.42075 | 0.00000 | 264105.4 | 125239.7 | 0.0 | U/P |
| 11.889 | 3.8528 | 0.0000 | 91.899 | 4.42063 | 0.00000 | 264413.7 | 125593.3 | 0.0 | U/P |
| 11.911 | 3.8524 | 0.0000 | 91.898 | 4.42051 | 0.00000 | 264721.9 | 125947.0 | 0.0 | U/P |
| 11.933 | 3.8521 | 0.0000 | 91.898 | 4.42039 | 0.00000 | 265030.1 | 126300.6 | 0.0 | U/P |
| 11.956 | 3.8519 | 0.0000 | 91.897 | 4.42027 | 0.00000 | 265338.2 | 126654.2 | 0.0 | U/P |
| 11.978 | 3.8517 | 0.0000 | 91.897 | 4.42015 | 0.00000 | 265646.4 | 127007.8 | 0.0 | U/P |
| 12.000 | 3.8516 | 0.0000 | 91.896 | 4.42003 | 0.00000 | 265954.5 | 127361.4 | 0.0 | U/P |
| 12.022 | 3.8541 | 0.0000 | 91.896 | 4.41992 | 0.00000 | 266262.7 | 127715.0 | 0.0 | U/P |
| 12.044 | 3.8618 | 0.0000 | 91.895 | 4.41980 | 0.00000 | 266571.4 | 128068.6 | 0.0 | U/P |
| 12.067 | 3.8784 | 0.0000 | 91.894 | 4.41968 | 0.00000 | 266881.0 | 128422.2 | 0.0 | U/P |
| 12.089 | 3.9017 | 0.0000 | 91.894 | 4.41957 | 0.00000 | 267192.2 | 128775.8 | 0.0 | U/P |
| 12.111 | 3.9268 | 0.0000 | 91.893 | 4.41946 | 0.00000 | 267505.3 | 129129.3 | 0.0 | U/P |
| 12.133 | 3.9501 | 0.0000 | 91.893 | 4.41935 | 0.00000 | 267820.4 | 129482.9 | 0.0 | U/P |
| 12.156 | 3.9696 | 0.0000 | 91.892 | 4.41926 | 0.00000 | 268137.2 | 129836.4 | 0.0 | U/P |
| 12.178 | 3.9837 | 0.0000 | 91.892 | 4.41916 | 0.00000 | 268455.3 | 130190.0 | 0.0 | U/P |
| 12.200 | 3.9935 | 0.0000 | 91.891 | 4.41907 | 0.00000 | 268774.4 | 130543.5 | 0.0 | U/P |
| 12.222 | 4.0005 | 0.0000 | 91.894 | 4.41898 | 0.00000 | 269094.2 | 130897.0 | 0.0 | U/P |
| 12.244 | 4.0057 | 0.0000 | 91.890 | 4.41889 | 0.00000 | 269414.4 | 131250.5 | 0.0 | U/P |
| 12.267 | 4.0094 | 0.0000 | 91.890 | 4.41881 | 0.00000 | 269735.0 | 131604.0 | 0.0 | U/P |
| 12.289 | 4.0120 | 0.0000 | 91.890 | 4.41872 | 0.00000 | 270055.8 | 131957.5 | 0.0 | U/P |
| 12.311 | 4.0140 | 0.0000 | 91.889 | 4.41863 | 0.00000 | 270376.9 | 132311.0 | 0.0 | U/P |
| 12.333 | 4.0154 | 0.0000 | 91.889 | 4.41855 | 0.00000 | 270698.1 | 132664.5 | 0.0 | U/P |
| 12.356 | 4.0164 | 0.0000 | 91.888 | 4.41846 | 0.00000 | 271019.3 | 133018.0 | 0.0 | U/P |
| 12.378 | 4.0171 | 0.0000 | 91.888 | 4.41838 | 0.00000 | 271340.7 | 133371.5 | 0.0 | U/P |
| 12.400 | 4.0176 | 0.0000 | 91.888 | 4.41830 | 0.00000 | 271662.1 | 133725.0 | 0.0 | U/P |
| 12.422 | 4.0180 | 0.0000 | 91.887 | 4.41821 | 0.00000 | 271983.5 | 134078.4 | 0.0 | U/P |
| 12.444 | 4.0183 | 0.0000 | 91.887 | 4.41813 | 0.00000 | 272304.9 | 134431.9 | 0.0 | U/P |
| 12.467 | 4.0185 | 0.0000 | 91.886 | 4.41804 | 0.00000 | 272626.4 | 134785.3 | 0.0 | U/P |
| 12.489 | 4.0187 | 0.0000 | 91.886 | 4.41796 | 0.00000 | 272947.9 | 135138.8 | 0.0 | U/P |
| 12.511 | 4.0180 | 0.0000 | 91.885 | 4.41788 | 0.00000 | 273269.4 | 135492.2 | 0.0 | U/P |
| 12.533 | 4.0138 | 0.0000 | 91.885 | 4.41779 | 0.00000 | 273590.6 | 135845.6 | 0.0 | U/P |
| 12.556 | 4.0032 | 0.0000 | 91.885 | 4.41771 | 0.00000 | 273911.3 | 136199.0 | 0.0 | U/P |
| 12.578 | 3.9845 | 0.0000 | 91.884 | 4.41762 | 0.00000 | 274230.8 | 136552.4 | 0.0 | U/P |
| 12.600 | 3.9606 | 0.0000 | 91.884 | 4.41753 | 0.00000 | 274548.6 | 136905.8 | 0.0 | U/P |
| 12.622 | 3.9361 | 0.0000 | 91.883 | 4.41743 | 0.00000 | 274864.5 | 137259.3 | 0.0 | U/P |
| 12.644 | 3.9140 | 0.0000 | 91.883 | 4.41733 | 0.00000 | 275178.5 | 137612.6 | 0.0 | U/P |
| 12.667 | 3.8962 | 0.0000 | 91.882 | 4.41723 | 0.00000 | 275490.9 | 137966.0 | 0.0 | U/P |
| 12.689 | 3.8835 | 0.0000 | 91.882 | 4.41712 | 0.00000 | 275802.1 | 138319.4 | 0.0 | U/P |
| 12.711 | 3.8746 | 0.0000 | 91.881 | 4.41700 | 0.00000 | 276112.4 | 138672.8 | 0.0 | U/P |
| 12.733 | 3.8681 | 0.0000 | 91.880 | 4.41689 | 0.00000 | 276422.1 | 139026.1 | 0.0 | U/P |
| 12.756 | 3.8634 | 0.0000 | 91.880 | 4.41678 | 0.00000 | 276731.4 | 139379.5 | 0.0 | U/P |
| 12.778 | 3.8601 | 0.0000 | 91.879 | 4.41666 | 0.00000 | 277040.3 | 139732.8 | 0.0 | U/P |
| 12.800 | 3.8576 | 0.0000 | 91.879 | 4.41654 | 0.00000 | 277349.0 | 140086.1 | 0.0 | U/P |
| 12.822 | 3.8559 | 0.0000 | 91.878 | 4.41642 | 0.00000 | 277657.6 | 140439.5 | 0.0 | U/P |
| 12.844 | 3.8546 | 0.0000 | 91.877 | 4.41631 | 0.00000 | 277966.0 | 140792.8 | 0.0 | U/P |
| 12.867 | 3.8537 | 0.0000 | 91.877 | 4.41619 | 0.00000 | 278274.3 | 141146.1 | 0.0 | U/P |
| 12.889 | 3.8530 | 0.0000 | 91.876 | 4.41607 | 0.00000 | 278582.6 | 141499.3 | 0.0 | U/P |
| 12.911 | 3.8526 | 0.0000 | 91.876 | 4.41595 | 0.00000 | 278890.8 | 141852.6 | 0.0 | U/P |
| 12.933 | 3.8522 | 0.0000 | 91.875 | 4.41583 | 0.00000 | 279199.0 | 142205.9 | 0.0 | U/P |
| 12.956 | 3.8520 | 0.0000 | 91.875 | 4.41572 | 0.00000 | 279507.2 | 142559.2 | 0.0 | U/P |
| 12.978 | 3.8518 | 0.0000 | 91.874 | 4.41560 | 0.00000 | 279815.3 | 142912.4 | 0.0 | U/P |
| 13.000 | 3.8516 | 0.0000 | 91.873 | 4.41548 | 0.00000 | 280123.5 | 143265.7 | 0.0 | U/P |
| 13.022 | 3.8403 | 0.0000 | 91.873 | 4.41536 | 0.00000 | 280431.2 | 143618.9 | 0.0 | U/P |
| 13.044 | 3.7991 | 0.0000 | 91.872 | 4.41524 | 0.00000 | 280736.7 | 143972.1 | 0.0 | U/P |
| 13.067 | 3.7053 | 0.0000 | 91.871 | 4.41511 | 0.00000 | 281036.9 | 144325.3 | 0.0 | U/P |
| 13.089 | 3.5589 | 0.0000 | 91.871 | 4.41495 | 0.00000 | 281327.5 | 144678.5 | 0.0 | U/P |
| 13.111 | 3.3876 | 0.0000 | 91.870 | 4.41477 | 0.00000 | 281605.3 | 145031.7 | 0.0 | U/P |
| 13.133 | 3.2198 | 0.0000 | 91.868 | 4.41456 | 0.00000 | 281869.6 | 145384.9 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 3100 Year/24 Hour Routing

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Outside <br> Recharge <br> (flday) | Stage Elevation (fl datum) | Infiltration Rate (ffis) | Overflow Discharge ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Discharge Voilume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 13.156 | 3.0732 | 0.0000 | 91.867 | 4.41431 | 0.00000 | 282121.3 | 145738.0 | 0.0 | U/P |
| 13.178 | 2.9609 | 0.0000 | 91.866 | 4.41403 | 0.00000 | 282362.7 | 146091.2 | 0.0 | U/P |
| 13.200 | 2.8816 | 0.0000 | 91.864 | 4.41372 | 0.00000 | 282596.4 | 146444.3 | 0.0 | U/P |
| 13.222 | 2.8254 | 0.0000 | 91.862 | 4.41340 | 0.00000 | 282824.7 | 146797.4 | 0.0 | U/P |
| 13.244 | 2.7844 | 0.0000 | 91.861 | 4.41307 | 0.00000 | 283049.1 | 147150.4 | 0.0 | U/P |
| 13.267 | 2.7548 | 0.0000 | 91.859 | 4.41273 | 0.00000 | 283270.7 | 147503.5 | 0.0 | U/P |
| 13.289 | 2.7335 | 0.0000 | 91.857 | 4.41238 | 0.00000 | 283490.2 | 147856.5 | 0.0 | U/P |
| 13.311 | 2.7181 | 0.0000 | 91.856 | 4.41203 | 0.00000 | 283708.3 | 148209.5 | 0.0 | U/P |
| 13.333 | 2.7070 | 0.0000 | 91.854 | 4.41167 | 0.00000 | 283925.3 | 148562.4 | 0.0 | U/P |
| 13.356 | 2.6990 | 0.0000 | 91.852 | 4.41131 | 0.00000 | 284141.5 | 148915.3 | 0.0 | U/P |
| 13.378 | 2.6932 | 0.0000 | 91.850 | 4.41095 | 0.00000 | 284357.2 | 149268.2 | 0.0 | U/P |
| 13.400 | 2.6890 | 0.0000 | 91.848 | 4.41059 | 0.00000 | 284572.5 | 149621.1 | 0.0 | U/P |
| 13.422 | 2.6860 | 0.0000 | 91.847 | 4.41023 | 0.00000 | 284787.5 | 149973.9 | 0.0 | U/P |
| 13.444 | 2.6838 | 0.0000 | 91.845 | 4.40987 | 0.00000 | 285002.3 | 150326.7 | 0.0 | U/P |
| 13.467 | 2.6822 | 0.0000 | 91.843 | 4.40950 | 0.00000 | 285216.9 | 150679.5 | 0.0 | U/P |
| 13.489 | 2.6809 | 0.0000 | 91.841 | 4.40914 | 0.00000 | 285431.4 | 151032.2 | 0.0 | U/P |
| 13.511 | 2.6801 | 0.0000 | 91.839 | 4.40878 | 0.00000 | 285645.9 | 151384.9 | 0.0 | U/P |
| 13.533 | 2.6790 | 0.0000 | 91.837 | 4.40841 | 0.00000 | 285860.3 | 151737.6 | 0.0 | U/P |
| 13.556 | 2.6770 | 0.0000 | 91.836 | 4.40805 | 0.00000 | 286074.5 | 152090.3 | 0.0 | U/P |
| 13.578 | 2.6729 | 0.0000 | 91.834 | 4.40768 | 0.00000 | 286288.5 | 152442.9 | 0.0 | U/P |
| 13.600 | 2.6671 | 0.0000 | 91.832 | 4.40732 | 0.00000 | 286502.1 | 152795.5 | 0.0 | U/P |
| 13.622 | 2.6608 | 0.0000 | 91.830 | 4.40685 | 0.00000 | 286715.2 | 153148.1 | 0.0 | U/P |
| 13.644 | 2.6549 | 0.0000 | 91.828 | 4.40658 | 0.00000 | 286927.8 | 153500.6 | 0.0 | U/P |
| 13.667 | 2.6499 | 0.0000 | 91.827 | 4.40622 | 0.00000 | 287140.0 | 153853.1 | 0.0 | U/P |
| 13.689 | 2.6463 | 0.0000 | 91.825 | 4.40585 | 0.00000 | 287351.9 | 154205.6 | 0.0 | U/P |
| 13.711 | 2.6438 | 0.0000 | 91.823 | 4.40547 | 0.00000 | 287563.5 | 154558.1 | 0.0 | U/P |
| 13.733 | 2.6420 | 0.0000 | 91.821 | 4.40510 | 0.00000 | 287774.9 | 154910.5 | 0.0 | U/P |
| 13.756 | 2.6407 | 0.0000 | 91.819 | 4.40473 | 0.00000 | 287986.2 | 155262.9 | 0.0 | U/P |
| 13.778 | 2.6398 | 0.0000 | 91.817 | 4.40436 | 0.00000 | 288197.4 | 155615.3 | 0.0 | U/P |
| 13.800 | 2.6391 | 0.0000 | 91.815 | 4.40399 | 0.00000 | 288408.6 | 155967.6 | 0.0 | U/P |
| 13.822 | 2.6386 | 0.0000 | 91.814 | 4.40362 | 0.00000 | 288619.7 | 156319.9 | 0.0 | U/P |
| 13.844 | 2.6382 | 0.0000 | 91.812 | 4.40325 | 0.00000 | 288830.8 | 156672.2 | 0.0 | U/P |
| 13.867 | 2.6380 | 0.0000 | 91.810 | 4.40287 | 0.00000 | 289041.8 | 157024.4 | 0.0 | U/P |
| 13.889 | 2.6378 | 0.0000 | 91.808 | 4.40250 | 0.00000 | 289252.9 | 157376.6 | 0.0 | U/P |
| 13.911 | 2.6377 | 0.0000 | 91.806 | 4.40213 | 0.00000 | 289463.9 | 157728.8 | 0.0 | U/P |
| 13.933 | 2.6376 | 0.0000 | 91.804 | 4.40176 | 0.00000 | 289674.9 | 158081.0 | 0.0 | U/P |
| 13.956 | 2.6375 | 0.0000 | 91.802 | 4.40139 | 0.00000 | 289885.9 | 158433.1 | 0.0 | U/P |
| 13.978 | 2.6375 | 0.0000 | 91.801 | 4.40101 | 0.00000 | 290096.9 | 158785.2 | 0.0 | U/P |
| 14.000 | 2.6286 | 0.0000 | 91.799 | 4.40064 | 0.00000 | 290307.5 | 159137.3 | 0.0 | U/P |
| 14.022 | 2.5856 | 0.0000 | 91.797 | 4.40027 | 0.00000 | 290516.1 | 159489.3 | 0.0 | U/P |
| 14.044 | 2.4789 | 0.0000 | 91.795 | 4.39988 | 0.00000 | 290718.7 | 159841.3 | 0.0 | U/P |
| 14.067 | 2.2935 | 0.0000 | 91.793 | 4.39947 | 0.00000 | 290909.6 | 160193.3 | 0.0 | U/P |
| 14.089 | 2.0598 | 0.0000 | 91.790 | 4.39902 | 0.00000 | 291083.7 | 160545.2 | 0.0 | U/P |
| 14.111 | 1.8212 | 0.0000 | 91.788 | 4.39853 | 0.00000 | 291238.9 | 160897.1 | 0.0 | U/P |
| 14.133 | 1.6068 | 0.0000 | 91.785 | 4.39799 | 0.00000 | 291376.1 | 161249.0 | 0.0 | U/P |
| 14.156 | 1.4352 | 0.0000 | 91.782 | 4.39740 | 0.00000 | 291497.8 | 161600.8 | 0.0 | U/P |
| 14.178 | 1.3131 | 0.0000 | 91.779 | 4.39678 | 0.00000 | 291607.7 | 161952.6 | 0.0 | U/P |
| 14.200 | 1.2274 | 0.0000 | 91.775 | 4.39613 | 0.00000 | 291709.3 | 162304.3 | 0.0 | U/P |
| 14.222 | 1.1653 | 0.0000 | 91.772 | 4.39546 | 0.00000 | 291805.0 | 162655.9 | 0.0 | U/P |
| 14.244 | 1.1199 | 0.0000 | 91.769 | 4.39478 | 0.00000 | 291896.4 | 163007.6 | 0.0 | U/P |
| 14.267 | 1.0874 | 0.0000 | 91.765 | 4.39409 | 0.00000 | 291984.7 | 163359.1 | 0.0 | U/P |
| 14.289 | 1.0639 | 0.0000 | 91.762 | 4.39339 | 0.00000 | 292070.8 | 163710.6 | 0.0 | U/P |
| 14.311 | 1.0470 | 0.0000 | 91.758 | 4.39269 | 0.00000 | 292155.2 | 164062.0 | 0.0 | U/P |
| 14.333 | 1.0349 | 0.0000 | 91.755 | 4.39198 | 0.00000 | 292238.5 | 164413.4 | 0.0 | U/P |
| 14.356 | 1.0260 | 0.0000 | 91.751 | 4.39128 | 0.00000 | 292320.9 | 164764.8 | 0.0 | U/P |
| 14.378 | 1.0196 | 0.0000 | 91.748 | 4.39056 | 0.00000 | 292402.7 | 165116.0 | 0.0 | U/P |
| 14.400 | 1.0150 | 0.0000 | 91.744 | 4.38985 | 0.00000 | 292484.1 | 165467.3 | 0.0 | U/P |
| 14.422 | 1.0117 | 0.0000 | 91.740 | 4.38914 | 0.00000 | 292565.2 | 165818.4 | 0.0 | U/P |
| 14.444 | 1.0092 | 0.0000 | 91.737 | 4.38842 | 0.00000 | 292646.0 | 166169.5 | 0.0 | U/P |
| 14.467 | 1.0073 | 0.0000 | 91.733 | 4.38771 | 0.00000 | 292726.7 | 166520.6 | 0.0 | U/P |
| 14.489 | 1.0060 | 0.0000 | 91.730 | 4.38700 | 0.00000 | 292807.2 | 166871.6 | 0.0 | U/P |
| 14.511 | 1.0052 | 0.0000 | 91.726 | 4.38628 | 0.00000 | 292887.7 | 167222.5 | 0.0 | U/P |
| 14.533 | 1.0049 | 0.0000 | 91.723 | 4.38557 | 0.00000 | 292968.1 | 167573.4 | 0.0 | U/P |
| 14.556 | 1.0049 | 0.0000 | 91.719 | 4.38485 | 0.00000 | 293048.5 | 167924.2 | 0.0 | U/P |
| 14.578 | 1.0049 | 0.0000 | 91.715 | 4.38413 | 0.00000 | 293128.8 | 168274.9 | 0.0 | U/P |
| 14.600 | 1.0048 | 0.0000 | 91.712 | 4.38342 | 0.00000 | 293209.3 | 168625.6 | 0.0 | U/P |
| 14.622 | 1.0048 | 0.0000 | 91.708 | 4.38270 | 0.00000 | 293289.6 | 168976.3 | 0.0 | U/P |
| 14.644 | 1.0048 | 0.0000 | 91.705 | 4.38199 | 0.00000 | 293370.0 | 169326.9 | 0.0 | U/P |
| 14.667 | 1.0048 | 0.0000 | 91.701 | 4.38127 | 0.00000 | 293450.4 | 169677.4 | 0.0 | U/P |
| 14.689 | 1.0048 | 0.0000 | 91.698 | 4.38056 | 0.00000 | 293530.8 | 170027.9 | 0.0 | U/P |
| 14.711 | 1.0047 | 0.0000 | 91.694 | 4.37984 | 0.00000 | 293611.2 | 170378.3 | 0.0 | U/P |
| 14.733 | 1.0047 | 0.0000 | 91.690 | 4.37913 | 0.00000 | 293691.5 | 170728.7 | 0.0 | U/P |
| 14.756 | 1.0047 | 0.0000 | 91.687 | 4.37841 | 0.00000 | 293771.9 | 171079.0 | 0.0 | U/P |
| 14.778 | 1.0047 | 0.0000 | 91.683 | 4.37770 | 0.00000 | 293852.3 | 171429.2 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 3100 Year / 24 Hour Routing

| Elapsed Time (hours) | Infiow Rate ( $\mathrm{ft}^{3 / \mathrm{s}} \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate (f $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{t}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Voiume ( $\mathrm{t}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 14.800 | 1.0047 | 0.0000 | 91.680 | 4.37698 | 0.00000 | 293932.7 | 171779.4 | 0.0 | U/P |
| 14.822 | 1.0047 | 0.0000 | 91.676 | 4.37627 | 0.00000 | 294013.1 | 172129.5 | 0.0 | U/P |
| 14.844 | 1.0047 | 0.0000 | 91.673 | 4.37555 | 0.00000 | 294093.4 | 172479.6 | 0.0 | U/P |
| 14.867 | 1.0047 | 0.0000 | 91.669 | 4.37484 | 0.00000 | 294173.8 | 172829.6 | 0.0 | U/P |
| 14.889 | 1.0047 | 0.0000 | 91.666 | 4.37412 | 0.00000 | 294254.2 | 173179.6 | 0.0 | U/P |
| 14.911 | 1.0047 | 0.0000 | 91.662 | 4.37341 | 0.00000 | 294334.6 | 173529.5 | 0.0 | U/P |
| 14.933 | 1.0047 | 0.0000 | 91.658 | 4.37270 | 0.00000 | 294414.9 | 173879.3 | 0.0 | U/P |
| 14.956 | 1.0047 | 0.0000 | 91.655 | 4.37198 | 0.00000 | 294495.3 | 174229.1 | 0.0 | U/P |
| 14.978 | 1.0047 | 0.0000 | 91.651 | 4.37127 | 0.00000 | 294575.7 | 174578.8 | 0.0 | U/P |
| 15.000 | 1.0047 | 0.0000 | 91.648 | 4.37055 | 0.00000 | 294656.1 | 174928.5 | 0.0 | U/P |
| 15.022 | 1.0047 | 0.0000 | 91.644 | 4.36984 | 0.00000 | 294736.5 | 175278.1 | 0.0 | U/P |
| 15.044 | 1.0047 | 0.0000 | 91.641 | 4.36912 | 0.00000 | 294816.8 | 175627.7 | 0.0 | U/P |
| 15.067 | 1.0048 | 0.0000 | 91.637 | 4.36841 | 0.00000 | 294897.2 | 175977.2 | 0.0 | U/P |
| 15.089 | 1.0048 | 0.0000 | 91.633 | 4.36769 | 0.00000 | 294977.6 | 176326.6 | 0.0 | U/P |
| 15.111 | 1.0048 | 0.0000 | 91.630 | 4.36698 | 0.00000 | 295058.0 | 176676.0 | 0.0 | U/P |
| 15.133 | 1.0048 | 0.0000 | 91.626 | 4.36626 | 0.00000 | 295138.4 | 177025.3 | 0.0 | U/P |
| 15.156 | 1.0049 | 0.0000 | 91.623 | 4.36555 | 0.00000 | 295218.8 | 177374.6 | 0.0 | U/P |
| 15.178 | 1.0049 | 0.0000 | 91.619 | 4.36484 | 0.00000 | 295299.1 | 177723.8 | 0.0 | U/P |
| 15.200 | 1.0049 | 0.0000 | 91.616 | 4.36412 | 0.00000 | 295379.5 | 178073.0 | 0.0 | U/P |
| 15.222 | 1.0049 | 0.0000 | 91.612 | 4.36341 | 0.00000 | 295459.9 | 178422.1 | 0.0 | U/P |
| 15.244 | 1.0049 | 0.0000 | 91.608 | 4.36269 | 0.00000 | 295540.3 | 178771.1 | 0.0 | U/P |
| 15.267 | 1.0049 | 0.0000 | 91.605 | 4.36198 | 0.00000 | 295620.7 | 179120.1 | 0.0 | U/P |
| 15.289 | 1.0049 | 0.0000 | 91.601 | 4.36126 | 0.00000 | 295701.1 | 179469.0 | 0.0 | U/P |
| 15.311 | 1.0049 | 0.0000 | 91.598 | 3.46965 | 0.00000 | 295781.5 | 179817.9 | 0.0 | U/P |
| 15.333 | 1.0049 | 0.0000 | 91.596 | 1.98667 | 0.00000 | 295861.9 | 180024.2 | 0.0 | U/S |
| 15.356 | 1.0049 | 0.0000 | 91.596 | 1.50130 | 0.00000 | 295942.3 | 180135.8 | 0.0 | S |
| 15.378 | 1.0049 | 0.0000 | 91.595 | 1.70217 | 0.00000 | 296022.7 | 180264.4 | 0.0 | S |
| 15.400 | 1.0049 | 0.0000 | 91.594 | 1.87184 | 0.00000 | 296103.1 | 180408.1 | 0.0 | S |
| 15.422 | 1.0049 | 0.0000 | 91.593 | 1.99750 | 0.00000 | 296183.4 | 180563.9 | 0.0 | S |
| 15.444 | 1.0049 | 0.0000 | 91.592 | 2.07175 | 0.00000 | 296263.8 | 180727.7 | 0.0 | S |
| 15.467 | 1.0049 | 0.0000 | 91.591 | 2.09389 | 0.00000 | 296344.2 | 180895.4 | 0.0 | S |
| 15.489 | 1.0049 | 0.0000 | 91.590 | 2.06945 | 0.00000 | 296424.6 | 181062.8 | 0.0 | S |
| 15.511 | 1.0041 | 0.0000 | 91.589 | 2.00840 | 0.00000 | 296505.0 | 181226.5 | 0.0 | S |
| 15.533 | 0.9999 | 0.0000 | 91.588 | 1.92264 | 0.00000 | 296585.2 | 181384.1 | 0.0 | S |
| 15.556 | 0.9893 | 0.0000 | 91.587 | 1.82376 | 0.00000 | 296664.7 | 181534.1 | 0.0 | S |
| 15.578 | 0.9705 | 0.0000 | 91.586 | 1.72142 | 0.00000 | 296743.1 | 181675.9 | 0.0 | S |
| 15.600 | 0.9466 | 0.0000 | 91.585 | 1.62267 | 0.00000 | 296819.8 | 181809.5 | 0.0 | S |
| 15.622 | 0.9221 | 0.0000 | 91.584 | 1.53186 | 0.00000 | 296894.5 | 181935.5 | 0.0 | S |
| 15.644 | 0.8999 | 0.0000 | 91.584 | 1.45106 | 0.00000 | 296967.4 | 182054.6 | 0.0 | S |
| 15.667 | 0.8821 | 0.0000 | 91.583 | 1.38072 | 0.00000 | 297038.7 | 182167.7 | 0.0 | S |
| 15.689 | 0.8694 | 0.0000 | 91.583 | 1.32020 | 0.00000 | 297108.8 | 182275.5 | 0.0 | S |
| 15.711 | 0.8605 | 0.0000 | 91.582 | 1.26830 | 0.00000 | 297177.9 | 182378.9 | 0.0 | S |
| 15.733 | 0.8540 | 0.0000 | 91.582 | 1.22363 | 0.00000 | 297246.5 | 182478.5 | 0.0 | S |
| 15.756 | 0.8493 | 0.0000 | 91.582 | 1.18479 | 0.00000 | 297314.7 | 182574.7 | 0.0 | S |
| 15.778 | 0.8459 | 0.0000 | 91.581 | 1.15056 | 0.00000 | 297382.5 | 182668.0 | 0.0 | S |
| 15.800 | 0.8435 | 0.0000 | 81.581 | 1.11993 | 0.00000 | 297450.1 | 182758.8 | 0.0 | S |
| 15.822 | 0.8417 | 0.0000 | 91.581 | 1.09208 | 0.00000 | 297517.5 | 182847.2 | 0.0 | S |
| 15.844 | 0.8405 | 0.0000 | 91.580 | 1.06642 | 0.00000 | 297584.8 | 182933.5 | 0.0 | S |
| 15.867 | 0.8395 | 0.0000 | 91.580 | 1.04251 | 0.00000 | 297651.9 | 183017.8 | 0.0 | S |
| 15.889 | 0.8389 | 0.0000 | 91.580 | 1.02002 | 0.00000 | 297719.1 | 183100.3 | 0.0 | S |
| 15.911 | 0.8384 | 0.0000 | 91.580 | 0.99876 | 0.00000 | 297786.2 | 183181.0 | 0.0 | S |
| 15.933 | 0.8380 | 0.0000 | 91.580 | 0.97857 | 0.00000 | 297853.2 | 183260.1 | 0.0 | S |
| 15.956 | 0.8378 | 0.0000 | 91.579 | 0.95936 | 0.00000 | 297920.3 | 183337.6 | 0.0 | S |
| 15.978 | 0.8376 | 0.0000 | 91.579 | 0.94107 | 0.00000 | 297987.3 | 183413.6 | 0.0 | S |
| 16.000 | 0.8375 | 0.0000 | 91.579 | 0.92366 | 0.00000 | 298054.3 | 183488.2 | 0.0 | S |
| 16.022 | 0.8358 | 0.0000 | 91.579 | 0.90708 | 0.00000 | 298121.2 | 183561.4 | 0.0 | S |
| 16.044 | 0.8298 | 0.0000 | 91.579 | 0.89130 | 0.00000 | 298187.8 | 183633.3 | 0.0 | S |
| 16.067 | 0.8164 | 0.0000 | 91.579 | 0.87627 | 0.00000 | 298253.7 | 183704.0 | 0.0 | S |
| 16.089 | 0.7955 | 0.0000 | 91.579 | 0.86196 | 0.00000 | 298318.2 | 183773.5 | 0.0 | S |
| 16.111 | 0.7710 | 0.0000 | 91.579 | 0.84833 | 0.00000 | 298380.8 | 183841.9 | 0.0 | S |
| 16.133 | 0.7470 | 0.0000 | 91.579 | 0.83533 | 0.00000 | 298441.5 | 183909.3 | 0.0 | S |
| 16.156 | 0.7261 | 0.0000 | 91.579 | 0.82293 | 0.00000 | 298500.5 | 183975.6 | 0.0 | S |
| 16.178 | 0.7100 | 0.0000 | 91.579 | 0.81110 | 0.00000 | 298557.9 | 184040.9 | 0.0 | S |
| 16.200 | 0.6987 | 0.0000 | 91.578 | 0.79979 | 0.00000 | 298614.3 | 184105.4 | 0.0 | S |
| 16.222 | 0.6906 | 0.0000 | 91.578 | 0.78897 | 0.00000 | 298669.8 | 184168.9 | 0.0 | S |
| 16.244 | 0.6848 | 0.0000 | 91.578 | 0.77861 | 0.00000 | 298724.8 | 184231.6 | 0.0 | S |
| 16.267 | 0.6805 | 0.0000 | 91.578 | 0.76867 | 0.00000 | 298779.4 | 184293.5 | 0.0 | S |
| 16.289 | 0.6775 | 0.0000 | 91.578 | 0.75912 | 0.00000 | 298833.8 | 184354.6 | 0.0 | S |
| 16.311 | 0.6753 | 0.0000 | 91.578 | 0.74992 | 0.00000 | 298887.9 | 184414.9 | 0.0 0.0 | S |
| 16.333 | 0.6737 | 0.0000 | 91.578 | 0.74107 | 0.00000 | 298941.8 | 184474.6 184533.5 | 0.0 0.0 | S |
| 16,356 | 0.6726 | 0.0000 | 91.578 | 0.73252 | 0.00000 | 298995.7 | 184533.5 | 0.0 0.0 | S |
| 16.378 | 0.6717 | 0.0000 | 91.578 | 0.72427 | 0.00000 | 299049.5 | 184591.8 | 0.0 | S |
| 16.400 | 0.6711 | 0.0000 | 91.578 | 0.71629 | 0.00000 | 299103.2 | 184649.4 | 0.0 | S |
| 16.422 | 0.6707 | 0.0000 | 91.578 | 0.70857 | 0.00000 | 299156.8 | 184706.4 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 3100 Year/24 Hour Routing

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{H} 3^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume (ft ${ }^{3}$ ) | Cumulative Infiltration Volume $\left(f_{1}{ }^{3}\right)$ | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Fiow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 16.444 | 0.6704 | 0.0000 | 91.578 | 0.70109 | 0.00000 | 299210.5 | 184762.8 | 0.0 | S |
| 16.467 | 0.6702 | 0.0000 | 91.578 | 0.69383 | 0.00000 | 299264.1 | 184818.5 | 0.0 | S |
| 16.489 | 0.6700 | 0.0000 | 91.578 | 0.68680 | 0.00000 | 299317.7 | 184873.8 | 0.0 | S |
| 16.511 | 0.6699 | 0.0000 | 91.578 | 0.67998 | 0.00000 | 299371.3 | 184928.4 | 0.0 | S |
| 16.533 | 0.6728 | 0.0000 | 91.578 | 0.67335 | 0.00000 | 299425.0 | 184982.6 | 0.0 | 5 |
| 16.556 | 0.6823 | 0.0000 | 91.578 | 0.66693 | 0.00000 | 299479.2 | 185036.2 | 0.0 | S |
| 16.578 | 0.7025 | 0.0000 | 91.578 | 0.66070 | 0.00000 | 299534.6 | 185089.3 | 0.0 | S |
| 16.600 | 0.7314 | 0.0000 | 91.578 | 0.65467 | 0.00000 | 299592.0 | 185141.9 | 0.0 | S |
| 16.622 | 0.7627 | 0.0000 | 91.578 | 0.64883 | 0.00000 | 299651.8 | 185194.0 | 0.0 | S |
| 16.644 | 0.7920 | 0.0000 | 91.578 | 0.64316 | 0.00000 | 299713.9 | 185245.7 | 0.0 | S |
| 16.667 | 0.8167 | 0.0000 | 91.578 | 0.63766 | 0.00000 | 299778.3 | 185296.9 | 0.0 | 5 |
| 16.689 | 0.8346 | 0.0000 | 91.578 | 0.63231 | 0.00000 | 299844.3 | 185347.7 | 0.0 | S |
| 16.711 | 0.8470 | 0.0000 | 91.579 | 0.62710 | 0.00000 | 299911.6 | 185398.1 | 0.0 | 5 |
| 16.733 | 0.8559 | 0.0000 | 91.579 | 0.62203 | 0.00000 | 299979.7 | 185448.1 | 0.0 | S |
| 16.756 | 0.8625 | 0.0000 | 91.579 | 0.61708 | 0.00000 | 300048.4 | 185497.6 | 0.0 | 5 |
| 16.778 | 0.8672 | 0.0000 | 91.579 | 0.61226 | 0.00000 | 300117.6 | 185546.8 | 0.0 | S |
| 16.800 | 0.8706 | 0.0000 | 91.580 | 0.60755 | 0.00000 | 300187.2 | 185595.6 | 0.0 | S |
| 16.822 | 0.8731 | 0.0000 | 91.580 | 0.60295 | 0.00000 | 300256.9 | 185644.0 | 0.0 | S |
| 16.844 | 0.8748 | 0.0000 | 91.580 | 0.59845 | 0.00000 | 300326.8 | 185692.1 | 0.0 | S |
| 16.867 | 0.8761 | 0.0000 | 91.580 | 0.59406 | 0.00000 | 300396.8 | 185739.8 | 0.0 | S |
| 16.889 | 0.8770 | 0.0000 | 91.581 | 0.58977 | 0.00000 | 300467.0 | 185787.1 | 0.0 | S |
| 16.911 | 0.8777 | 0.0000 | 91.581 | 0.58558 | 0.00000 | 300537.2 | 185834.1 | 0.0 | S |
| 16.933 | 0.8782 | 0.0000 | 91.581 | 0.58147 | 0.00000 | 300607.4 | 185880.8 | 0.0 | S |
| 16.956 | 0.8785 | 0.0000 | 91.582 | 0.57746 | 0.00000 | 300677.7 | 185927.2 | 0.0 | S |
| 16.978 | 0.8788 | 0.0000 | 91.582 | 0.57353 | 0.00000 | 300748.0 | 185973.2 | 0.0 | S |
| 17.000 | 0.8797 | 0.0000 | 91.582 | 0.56968 | 0.00000 | 300818.3 | 186018.9 | 0.0 | S |
| 17.022 | 0.8831 | 0.0000 | 91.583 | 0.56592 | 0.00000 | 300888.8 | 186064.3 | 0.0 | S |
| 17.044 | 0.8914 | 0.0000 | 91.583 | 0.56224 | 0.00000 | 300959.8 | 186109.5 | 0.0 | S |
| 17.067 | 0.9057 | 0.0000 | 91.583 | 0.55865 | 0.00000 | 301031.7 | 186154.3 | 0.0 | S |
| 17.089 | 0.9237 | 0.0000 | 91.584 | 0.55514 | 0.00000 | 301104.9 | 186198.9 | 0.0 | S |
| 17.111 | 0.9421 | 0.0000 | 91.584 | 0.55171 | 0.00000 | 301179.5 | 186243.1 | 0.0 | S |
| 17.133 | 0.9586 | 0.0000 | 91.585 | 0.54836 | 0.00000 | 301255.5 | 186287.1 | 0.0 | S |
| 17.156 | 0.9718 | 0.0000 | 91.585 | 0.54507 | 0.00000 | 301332.8 | 186330.9 | 0.0 | S |
| 17.178 | 0.9812 | 0.0000 | 91.585 | 0.54186 | 0.00000 | 301410.8 | 186374.3 | 0.0 | S |
| 17.200 | 0.9878 | 0.0000 | 91.586 | 0.53870 | 0.00000 | 301489.6 | 186417.6 | 0.0 | S |
| 17.222 | 0.9926 | 0.0000 | 91.586 | 0.53560 | 0.00000 | 301568.8 | 186460.5 | 0.0 | S |
| 17.244 | 0.9961 | 0.0000 | 91.587 | 0.53256 | 0.00000 | 301648.4 | 186503.3 | 0.0 | S |
| 17.267 | 0.9986 | 0.0000 | 91.587 | 0.52957 | 0.00000 | 301728.2 | 186545.7 | 0.0 | S |
| 17.289 | 1.0004 | 0.0000 | 91.588 | 0.52663 | 0.00000 | 301808.1 | 186588.0 | 0.0 | S |
| 17.311 | 1.0017 | 0.0000 | 91.588 | 0.52375 | 0.00000 | 301888.2 | 186630.0 | 0.0 | S |
| 17.333 | 1.0026 | 0.0000 | 91.589 | 0.52091 | 0.00000 | 301968.4 | 186671.8 | 0.0 | S |
| 17.356 | 1.0033 | 0.0000 | 91.589 | 0.51812 | 0.00000 | 302048.6 | 186713.3 | 0.0 | S |
| 17.378 | 1.0038 | 0.0000 | 91.590 | 0.51538 | 0.00000 | 302128.9 | 186754.7 | 0.0 | S |
| 17.400 | 1.0041 | 0.0000 | 91.590 | 0.51268 | 0.00000 | 302209.2 | 186795.8 | 0.0 | S |
| 17.422 | 1.0044 | 0.0000 | 91.591 | 0.51003 | 0.00000 | 302289.6 | 186836.7 | 0.0 | S |
| 17.444 | 1.0046 | 0.0000 | 91.592 | 0.50742 | 0.00000 | 302369.9 | 186877.4 | 0.0 | S |
| 17.467 | 1.0047 | 0.0000 | 91.592 | 0.50486 | 0.00000 | 302450.3 | 186917.9 | 0.0 | S |
| 17.489 | 1.0048 | 0.0000 | 91.593 | 0.50233 | 0.00000 | 302530.7 | 186958.2 | 0.0 | S |
| 17.511 | 1.0032 | 0.0000 | 91.593 | 0.49985 | 0.00000 | 302611.0 | 186998.3 | 0.0 | S |
| 17.533 | 0.9971 | 0.0000 | 91.594 | 0.49740 | 0.00000 | 302691.0 | 187038.2 | 0.0 | S |
| 17.556 | 0.9833 | 0.0000 | 91.594 | 0.49497 | 0.00000 | 302770.2 | 187077.9 | 0.0 | S |
| 17.578 | 0.9622 | 0.0000 | 91.595 | 0.49257 | 0.00000 | 302848.0 | 187117.4 | 0.0 | S |
| 17.600 | 0.9376 | 0.0000 | 91.595 | 0.49019 | 0.00000 | 302924.0 | 187156.7 | 0.0 | S |
| 17.622 | 0.9137 | 0.0000 | 91.596 | 0.48782 | 0.00000 | 302998.1 | 187195.8 | 0.0 | S |
| 17.644 | 0.8929 | 0.0000 | 91.596 | 0.48549 | 0.00000 | 303070.3 | 187234.7 | 0.0 | S |
| 17.667 | 0.8770 | 0.0000 | 91.597 | 0.48318 | 0.00000 | 303141.1 | 187273.5 | 0.0 | S |
| 17.689 | 0.8659 | 0.0000 | 91.597 | 0.48091 | 0.00000 | 303210.8 | 187312.0 | 0.0 | S |
| 17.711 | 0.8579 | 0.0000 | 91.597 | 0.47867 | 0.00000 | 303279.8 | 187350.4 | 0.0 | S |
| 17.733 | 0.8521 | 0.0000 | 91.598 | 0.47647 | 0.00000 | 303348.2 | 187388.6 | 0.0 | S |
| 17.756 | 0.8480 | 0.0000 | 91.598 | 0.47430 | 0.00000 | 303416.2 | 187426.7 | 0.0 | S |
| 17.778 | 0.8450 | 0.0000 | 91.599 | 0.47216 | 0.00000 | 303483.9 | 187464.5 | 0.0 | S |
| 17.800 | 0.8428 | 0.0000 | 91.599 | 0.47006 | 0.00000 | 303551.4 | 187502.2 | 0.0 | S |
| 17.822 | 0.8412 | 0.0000 | 91.599 | 0.46799 | 0.00000 | 303618.8 | 187539.7 | 0.0 | S |
| 17.844 | 0.8401 | 0.0000 | 91.600 | 0.46595 | 0.00000 | 303686.1 | 187577.1 | 0.0 | S |
| 17.867 | 0.8393 | 0.0000 | 91.600 | 0.46394 | 0.00000 | 303753.2 | 187614.3 | 0.0 | S |
| 17.889 | 0.8387 | 0.0000 | 91.601 | 0.46196 | 0.00000 | 303820.3 | 187651.3 | 0.0 | S |
| 17.911 | 0.8383 | 0.0000 | 91.601 | 0.46002 | 0.00000 | 303887.4 | 187688.2 | 0.0 | S |
| 17.933 | 0.8380 | 0.0000 | 91.601 | 0.45809 | 0.00000 | 303954.5 | 187724.9 | 0.0 | S |
| 17.956 | 0.8377 | 0.0000 | 91.602 | 0.45620 | 0.00000 | 304021.5 | 187761.5 | 0.0 | S |
| 17.978 | 0.8376 | 0.0000 | 91.602 | 0.45433 | 0.00000 | 304088.5 | 187797.9 | 0.0 | S |
| 18.000 | 0.8374 | 0.0000 | 91.603 | 0.45249 | 0.00000 | 304155.5 | 187834.2 | 0.0 | S |
| 18.022 | 0.8349 | 0.0000 | 91.603 | 0.45067 | 0.00000 | 304222.4 | 187870.3 | 0.0 | S |
| 18.044 | 0.8271 | 0.0000 | 91.603 | 0.44886 | 0.00000 | 304288.9 | 187906.3 | 0.0 | S |
| 18.067 | 0.8105 | 0.0000 | 91.604 | 0.44707 | 0.00000 | 304354.4 | 187942.1 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 3100 Year/24 Hour Routing

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (f/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infitration Volume ( $\mathrm{t}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 18.089 | 0.7871 | 0.0000 | 91.604 | 0.44529 | 0.00000 | 304418.3 | 187977.8 | 0.0 | S |
| 18.111 | 0.7620 | 0.0000 | 91.604 | 0.44351 | 0.00000 | 304480.3 | 188013.4 | 0.0 | S |
| 18.133 | 0.7386 | 0.0000 | 91.605 | 0.44174 | 0.00000 | 304540.3 | 188048.8 | 0.0 | S |
| 18.156 | 0.7190 | 0.0000 | 91.605 | 0.43998 | 0.00000 | 304598.6 | 188084.0 | 0.0 | S |
| 18.178 | 0.7049 | 0.0000 | 91.605 | 0.43824 | 0.00000 | 304655.5 | 188119.2 | 0.0 | S |
| 18.200 | 0.6951 | 0.0000 | 91.606 | 0.43652 | 0.00000 | 304711.5 | 188154.2 | 0.0 | S |
| 18.222 | 0.6881 | 0.0000 | 91.606 | 0.43483 | 0.00000 | 304766.9 | 188189.0 | 0.0 | S |
| 18.244 | 0.6829 | 0.0000 | 91.606 | 0.43316 | 0.00000 | 304821.7 | 188223.7 | 0.0 | S |
| 18.267 | 0.6792 | 0.0000 | 91.606 | 0.43151 | 0.00000 | 304876.2 | \$88258.3 | 0.0 | S |
| 18.289 | 0.6765 | 0.0000 | 91.607 | 0.42989 | 0.00000 | 304930.4 | 188292.8 | 0.0 | S |
| 18.311 | 0.6746 | 0.0000 | 91.607 | 0.42829 | 0.00000 | 304984.5 | 188327.1 | 0.0 | S |
| 18.333 | 0.6732 | 0.0000 | 91.607 | 0.42671 | 0.00000 | 305038.4 | 188361.3 | 0.0 | S |
| 18.356 | 0.6722 | 0.0000 | 91.608 | 0.42515 | 0.00000 | 305092.2 | 188395.4 | 0.0 | S |
| 18.378 | 0.6715 | 0.0000 | 91.608 | 0.42361 | 0.00000 | 305145.9 | 188429.3 | 0.0 | S |
| 18.400 | 0.6710 | 0.0000 | 91.608 | 0.42209 | 0.00000 | 305199.7 | 188463.1 | 0.0 | S |
| 18.422 | 0.6706 | 0.0000 | 91.608 | 0.42059 | 0.00000 | 305253.3 | 188496.9 | 0.0 | S |
| 18.444 | 0.6703 | 0.0000 | 91.609 | 0.41911 | 0.00000 | 305306.9 | 188530.4 | 0.0 | S |
| 18.467 | 0.6701 | 0.0000 | 91.609 | 0.41765 | 0.00000 | 305360.6 | 188563.9 | 0.0 | S |
| 18.489 | 0.6699 | 0.0000 | 91.609 | 0.41620 | 0.00000 | 305414.2 | 188597.3 | 0.0 | S |
| 18.511 | 0.6706 | 0.0000 | 91.609 | 0.41478 | 0.00000 | 305467.8 | 188630.5 | 0.0 | S |
| 18.533 | 0.6748 | 0.0000 | 91.610 | 0.41337 | 0.00000 | 305521.6 | 188663.6 | 0.0 | S |
| 18.556 | 0.6854 | 0.0000 | 91.610 | 0.41199 | 0.00000 | 305576.0 | 188696.6 | 0.0 | S |
| 18.578 | 0.7041 | 0.0000 | 91.610 | 0.41064 | 0.00000 | 305631.6 | 188729.5 | 0.0 | S |
| 18.600 | 0.7281 | 0.0000 | 91.611 | 0.40933 | 0.00000 | 305688.9 | 188762.3 | 0.0 | S |
| 18.622 | 0.7526 | 0.0000 | 91.611 | 0.40804 | 0.00000 | 305748.1 | 188795.0 | 0.0 | S |
| 18.644 | 0.7748 | 0.0000 | 91.611 | 0.40678 | 0.00000 | 305809.2 | 188827.6 | 0.0 | S |
| 18.667 | 0.7926 | 0.0000 | 91.612 | 0.40554 | 0.00000 | 305871.9 | 188860.1 | 0.0 | S |
| 18.689 | 0.8053 | 0.0000 | 91.612 | 0.40432 | 0.00000 | 305935.8 | 188892.5 | 0.0 | S |
| 18.711 | 0.8142 | 0.0000 | 91.613 | 0.40311 | 0.00000 | 306000.6 | 188924.8 | 0.0 | S |
| 18.733 | 0.8207 | 0.0000 | 91.613 | 0.40191 | 0.00000 | 306066.0 | 188957.0 | 0.0 | S |
| 18.756 | 0.8254 | 0.0000 | 91.613 | 0.40072 | 0.00000 | 306131.8 | 188989.1 | 0.0 | S |
| 18.778 | 0.8288 | 0.0000 | 91.614 | 0.39955 | 0.00000 | 306198.0 | 189021.1 | 0.0 | S |
| 18.800 | 0.8312 | 0.0000 | 91.614 | 0.39838 | 0.00000 | 306264.4 | 189053.0 | 0.0 | S |
| 18.822 | 0.8330 | 0.0000 | 91.615 | 0.39722 | 0.00000 | 306331.0 | 189084.9 | 0.0 | S |
| 18.844 | 0.8342 | 0.0000 | 91.615 | 0.39607 | 0.00000 | 306397.7 | 189116.6 | 0.0 | S |
| 18.867 | 0.8352 | 0.0000 | 91.616 | 0.39492 | 0.00000 | 306464.4 | 189148.3 | 0.0 | S |
| 18.889 | 0.8358 | 0.0000 | 91.616 | 0.39379 | 0.00000 | 306531.3 | 189179.8 | 0.0 | S |
| 18.911 | 0.8363 | 0.0000 | 91.617 | 0.39267 | 0.00000 | 306598.2 | 189211.3 | 0.0 | S |
| 18.933 | 0.8366 | 0.0000 | 91.617 | 0.39156 | 0.00000 | 306665.1 | 189242.6 | 0.0 | S |
| 18.956 | 0.8369 | 0.0000 | 91.618 | 0.39045 | 0.00000 | 306732.0 | 189273.9 | 0.0 | S |
| 18.978 | 0.8371 | 0.0000 | 91.618 | 0.38936 | 0.00000 | 306799.0 | 189305.1 | 0.0 | S |
| 19.000 | 0.8372 | 0.0000 | 91.619 | 0.38827 | 0.00000 | 306865.9 | 189336.2 | 0.0 | S |
| 19.022 | 0.8341 | 0.0000 | 91.619 | 0.38720 | 0.00000 | 306932.8 | 189367.2 | 0.0 | S |
| 19.044 | 0.8224 | 0.0000 | 91.620 | 0.38611 | 0.00000 | 306999, 1 | 189398.2 | 0.0 | S |
| 19.067 | 0.7956 | 0.0000 | 91.620 | 0.38502 | 0.00000 | 307063.8 | 189429.0 | 0.0 | S |
| 19.089 | 0.7537 | 0.0000 | 91.620 | 0.38390 | 0.00000 | 307125.8 | 189459.8 | 0.0 | S |
| 19.111 | 0.7048 | 0.0000 | 91.621 | 0.38276 | 0.00000 | 307184.1 | 189490.4 | 0.0 | S |
| 19.133 | 0.6568 | 0.0000 | 91.621 | 0.38161 | 0.00000 | 307238.6 | 189521.0 | 0.0 | S |
| 19.156 | 0.6149 | 0.0000 | 91.621 | 0.38044 | 0.00000 | 307289.4 | 189551.5 | 0.0 | S |
| 19.178 | 0.5828 | 0.0000 | 91.622 | 0.37927 | 0.00000 | 307337.3 | 189581.9 | 0.0 | S |
| 19.200 | 0.5601 | 0.0000 | 91.622 | 0.37811 | 0.00000 | 307383.1 | 189612.2 | 0.0 | S |
| 19.222 | 0.5441 | 0.0000 | 91.622 | 0.37696 | 0.00000 | 307427.2 | 189642.4 | 0.0 | S |
| 19.244 | 0.5324 | 0.0000 | 91.622 | 0.37582 | 0.00000 | 307470.3 | 189672.5 | 0.0 | 5 |
| 19.267 | 0.5239 | 0.0000 | 91.622 | 0.37470 | 0.00000 | 307512.5 | 189702.5 | 0.0 | S |
| 19.289 | 0.5178 | 0.0000 | 91.622 | 0.37360 | 0.00000 | 307554.2 | 189732.4 | 0.0 | S |
| 19.311 | 0.5134 | 0.0000 | 91.623 | 0.37251 | 0.00000 | 307595.4 | 189762.3 | 0.0 | S |
| 19.333 | 0.5102 | 0.0000 | 91.623 | 0.37144 | 0.00000 | 307636.4 | 189792.0 | 0.0 | S |
| 19.356 | 0.5080 | 0.0000 | 91.623 | 0.37039 | 0.00000 | 307677.1 | 189821.7 | 0.0 | S |
| 19.378 | 0.5063 | 0.0000 | 91.623 | 0.36934 | 0.00000 | 307717.7 | 189851.3 | 0.0 | S |
| 19.400 | 0.5051 | 0.0000 | 91.623 | 0.36832 | 0.00000 | 307758.2 | 189880.8 | 0.0 0.0 | S |
| 19.422 | 0.5042 | 0.0000 | 91.623 | 0.36730 | 0.00000 | 307798.5 | 189910.2 | 0.0 0.0 | S |
| 19.444 | 0.5036 | 0.0000 | 91.623 | 0.36629 0.36530 | 0.00000 0.00000 | 307838.8 307879.1 | 189939.6 | 0.0 | S |
| 19.467 19.489 | 0.5031 0.5028 | 0.0000 0.0000 | 91.624 91.624 | 0.36530 0.36432 | 0.00000 0.00000 | 307879.1 307919.3 | 189968.8 | 0.0 0.0 | S |
| 19.511 | 0.5026 | 0.0000 | 91.624 | 0.36335 | 0.00000 | 307859.6 | 190027.1 | 0.0 | S |
| 19.533 | 0.5053 | 0.0000 | 91.624 | 0.36239 | 0.00000 | 307989.9 | 190056.1 | 0.0 | S |
| 19.556 | 0.5144 | 0.0000 | 91.624 | 0.36145 | 0.00000 | 308040.7 | 190085.1 | 0.0 | S |
| 19.578 | 0.5338 | 0.0000 | 91.624 | 0.36054 | 0.00000 | 308082.6 | 190114.0 | 0.0 | S |
| 19.600 | 0.5616 | 0.0000 | 91.625 | 0.35966 | 0.00000 | 308126.4 | 190142.8 | 0.0 | S |
| 19.622 | 0.5916 | 0.0000 | 91.625 | 0.35880 | 0.00000 | 308172.5 | 190171.5 | 0.0 | S |
| 19.644 | 0.6197 | 0.0000 | 91.625 | 0.35797 | 0.00000 | 308221.0 | 190200.2 | 0.0 | S |
| 19.667 | 0.6434 | 0.0000 | 91.625 | 0.35716 | 0.00000 | 308271.5 | 190228.8 | 0.0 0.0 | S |
| 19.689 | 0.6606 | 0.0000 | 91.626 | 0.35636 | 0.00000 | 308323.7 | 190257.3 | 0.0 | S |
| 19.711 | 0.6725 | 0.0000 | 81.626 | 0.35557 | 0.00000 | 308377.0 | 190285.8 | 0.0 | S |

# PONDS Version 3.2.0207 

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: Pond 3100 Year/24 Hour Routing

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumukative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumufative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 19.733 | 0.6811 | 0.0000 | 91.626 | 0.35478 | 0.00000 | 308431.2 | 190314.2 | 0.0 | S |
| 19.756 | 0.6874 | 0.0000 | 91.627 | 0.35399 | 0.00000 | 308485.9 | 190342.6 | 0.0 | S |
| 19.778 | 0.6920 | 0.0000 | 91.627 | 0.35321 | 0.00000 | 308541.1 | 190370.9 | 0.0 | S |
| 19.800 | 0.6852 | 0.0000 | 91.627 | 0.35244 | 0.00000 | 308596.6 | 190399.1 | 0.0 | S |
| 19.822 | 0.6976 | 0.0000 | 91.628 | 0.35166 | 0.00000 | 308652.3 | 190427.3 | 0.0 | S |
| 19.844 | 0.6993 | 0.0000 | 91.628 | 0.35089 | 0.00000 | 308708.1 | 190455.4 | 0.0 | S |
| 19.867 | 0.7005 | 0.0000 | 91.629 | 0.35012 | 0.00000 | 308764.1 | 190483.4 | 0.0 | S |
| 19.889 | 0.7014 | 0.0000 | 91.629 | 0.34935 | 0.00000 | 308820.2 | 190511.4 | 0.0 | S |
| 18.911 | 0.7020 | 0.0000 | 91.629 | 0.34859 | 0.00000 | 308876.3 | 190539.3 | 0.0 | S |
| 18.933 | 0.7025 | 0.0000 | 91.630 | 0.34784 | 0.00000 | 308932.5 | 190567.2 | 0.0 | S |
| 19.956 | 0.7028 | 0.0000 | 91.630 | 0.34708 | 0.00000 | 308988.7 | 190595.0 | 0.0 | S |
| 18.978 | 0.7031 | 0.0000 | 91.630 | 0.34633 | 0.00000 | 309045.0 | 190622.7 | 0.0 | S |
| 20.000 | 0.7013 | 0.0000 | 91.631 | 0.34558 | 0.00000 | 309101.1 | 190650.4 | 0.0 | S |
| 20.022 | 0.6917 | 0.0000 | 91.631 | 0.34483 | 0.00000 | 309156.8 | 190678.0 | 0.0 | S |
| 20.044 | 0.6677 | 0.0000 | 91.632 | 0.34406 | 0.00000 | 309211.3 | 190705.5 | 0.0 | S |
| 20.067 | 0.6258 | 0.0000 | 91.632 | 0.34326 | 0.00000 | 309263.0 | 190733.0 | 0.0 | S |
| 20.089 | 0.5731 | 0.0000 | 91.632 | 0.34244 | 0.00000 | 309310.9 | 190760.5 | 0.0 | S |
| 20.111 | 0.5192 | 0.0000 | 91.632 | 0.34158 | 0.00000 | 309354.6 | 190787.8 | 0.0 | S |
| 20.133 | 0.4708 | 0.0000 | 91.632 | 0.34070 | 0.00000 | 309394.2 | 190815.1 | 0.0 | S |
| 20.156 | 0.4321 | 0.0000 | 91.633 | 0.33982 | 0.00000 | 309430.3 | 190842.3 | 0.0 | S |
| 20.178 | 0.4046 | 0.0000 | 91.633 | 0.33893 | 0.00000 | 309463.8 | 190869.5 | 0.0 | S |
| 20.200 | 0.3852 | 0.0000 | 91.633 | 0.33805 | 0.00000 | 309495.4 | 190896.6 | 0.0 | S |
| 20.222 | 0.3712 | 0.0000 | 91.633 | 0.33719 | 0.00000 | 309525.7 | 190923.6 | 0.0 | S |
| 20.244 | 0.3609 | 0.0000 | 91.633 | 0.33633 | 0.00000 | 309554.9 | 190950.5 | 0.0 | S |
| 20.267 | 0.3536 | 0.0000 | 91.633 | 0.33549 | 0.00000 | 309583.5 | 190977.4 | 0.0 | S |
| 20.289 | 0.3483 | 0.0000 | 91.633 | 0.33467 | 0.00000 | 309611.6 | 191004.2 | 0.0 | S |
| 20.311 | 0.3445 | 0.0000 | 91.633 | 0.33385 | 0.00000 | 309639.3 | 191030.9 | 0.0 | S |
| 20.333 | 0.3417 | 0.0000 | 91.633 | 0.33305 | 0.00000 | 309666.8 | 191057.6 | 0.0 | S |
| 20.356 | 0.3398 | 0.0000 | 91.633 | 0.33226 | 0.00000 | 309694.0 | 191084.2 | 0.0 | S |
| 20.378 | 0.3383 | 0.0000 | 91.633 | 0.33148 | 0.00000 | 309721.2 | 191110.8 | 0.0 | S |
| 20.400 | 0.3373 | 0.0000 | 91.633 | 0.33071 | 0.00000 | 309748.2 | 191137.3 | 0.0 | S |
| 20.422 | 0.3365 | 0.0000 | 91.633 | 0.32994 | 0.00000 | 309775.1 | 191163.7 | 0.0 | S |
| 20.444 | 0.3360 | 0.0000 | 91.633 | 0.32919 | 0.00000 | 309802.0 | 191190.0 | 0.0 | S |
| 20.467 | 0.3355 | 0.0000 | 91.633 | 0.32845 | 0.00000 | 309828.9 | 191216.4 | 0.0 | S |
| 20.489 | 0.3352 | 0.0000 | 91.633 | 0.32771 | 0.00000 | 309855.7 | 191242.6 | 0.0 | S |
| 20.511 | 0.3368 | 0.0000 | 91.633 | 0.32698 | 0.00000 | 309882.6 | 191268.8 | 0.0 | S |
| 20.533 | 0.3428 | 0.0000 | 91.633 | 0.32627 | 0.00000 | 309909.8 | 191294.9 | 0.0 | S |
| 20.556 | 0.3565 | 0.0000 | 91.633 | 0.32557 | 0.00000 | 309937.8 | 191321.0 | 0.0 | S |
| 20.578 | 0.3777 | 0.0000 | 91.633 | 0.32490 | 0.00000 | 309967.1 | 191347.0 | 0.0 | S |
| 20.600 | 0.4022 | 0.0000 | 91.633 | 0.32425 | 0.00000 | 309998.3 | 191373.0 | 0.0 | S |
| 20.622 | 0.4261 | 0.0000 | 91.633 | 0.32362 | 0.00000 | 310031.4 | 191398.9 | 0.0 | S |
| 20.644 | 0.4469 | 0.0000 | 91.633 | 0.32300 | 0.00000 | 310066.4 | 191424.8 | 0.0 | S |
| 20.667 | 0.4628 | 0.0000 | 91.633 | 0.32240 | 0.00000 | 310102.8 | 191450.6 | 0.0 | S |
| 20.689 | 0.4739 | 0.0000 | 91.634 | 0.32180 | 0.00000 | 310140.2 | 191476.3 | 0.0 | S |
| 20.711 | 0.4818 | 0.0000 | 91.634 | 0.32121 | 0.00000 | 310178.4 | 191502.1 | 0.0 | S |
| 20.733 | 0.4876 | 0.0000 | 91.634 | 0.32061 | 0.00000 | 310217.2 | 191527.7 | 0.0 | S |
| 20.756 | 0.4918 | 0.0000 | 91.634 | 0.32002 | 0.00000 | 310256.4 | 191553.4 | 0.0 | S |
| 20.778 | 0.4948 | 0.0000 | 91.634 | 0.31943 | 0.00000 | 310295.9 | 191578.9 | 0.0 | S |
| 20.800 | 0.4970 | 0.0000 | 91.634 | 0.31884 | 0.00000 | 310335.5 | 191604.5 | 0.0 | S |
| 20.822 | 0.4985 | 0.0000 | 91.635 | 0.31826 | 0.00000 | 310375.3 | 191630.0 | 0.0 | S |
| 20.844 | 0.4996 | 0.0000 | 91.635 | 0.31767 | 0.00000 | 310415.3 | 191655.4 | 0.0 | S |
| 20.867 | 0.5004 | 0.0000 | 91.635 | 0.31709 | 0.00000 | 310455.3 | 191680.8 | 0.0 | S |
| 20.889 | 0.5010 | 0.0000 | 91.635 | 0.31650 | 0.00000 | 310495.3 | 191706.1 | 0.0 | S |
| 20.911 | 0.5015 | 0.0000 | 91.635 | 0.31592 | 0.00000 | 310535.4 | 191731.4 | 0.0 | S |
| 20.933 | 0.5018 | 0.0000 | 91.636 | 0.31534 | 0.00000 | 310575.6 | 191756.7 | 0.0 | S |
| 20.956 | 0.5020 | 0.0000 | 91.636 | 0.31477 | 0.00000 | 310615.7 | 191781.9 | 0.0 | S |
| 20.978 | 0.5022 | 0.0000 | 91.636 | 0.31420 | 0.00000 | 310655.9 | 191807.0 | 0.0 | S |
| 21.000 | 0.5023 | 0.0000 | 91.636 | 0.31363 | 0.00000 | 310696.1 | 191832.1 | 0.0 | S |
| 21.022 | 0.4999 | 0.0000 | 91.636 | 0.31306 | 0.00000 | 310736.2 | 191857.2 | 0.0 | S |
| 21.044 | 0.4921 | 0.0000 | 91.637 | 0.31248 | 0.00000 | 310775.8 | 191882.2 | 0.0 | S |
| 21.067 | 0.4755 | 0.0000 | 91.637 | 0.31189 | 0.00000 | 310814.5 | 191907.2 | 0.0 | S |
| 21.089 | 0.4522 | 0.0000 | 91.637 | 0.31129 | 0.00000 | 310851.7 | 191932.1 | 0.0 | S |
| 21.111 | 0.4271 | 0.0000 | 91.637 | 0.31068 | 0.00000 | 310886.8 | 191957.0 | 0.0 | S |
| 21.133 | 0.4037 | 0.0000 | 91.637 | 0.31006 | 0.00000 | 310920.1 | 191981.8 | 0.0 | S |
| 21.156 | 0.3842 | 0.0000 | 91.637 | 0.30943 | 0.00000 | 310951.6 | 192006.6 | 0.0 | S |
| 21.178 | 0.3701 | 0.0000 | 91.637 | 0.30880 | 0.00000 | 310981.8 | 192031.4 | 0.0 | S |
| 21.200 | 0.3603 | 0.0000 | 91.637 | 0.30818 | 0.00000 | 311011.0 | 192056.0 | 0.0 | S |
| 21.222 | 0.3533 | 0.0000 | 91.638 | 0.30756 | 0.00000 | 311039.5 | 192080.7 | 0.0 | S |
| 21.244 | 0.3481 | 0.0000 | 91.638 | 0.30695 | 0.00000 | 311067.6 | 192105.2 | 0.0 | S |
| 21.267 | 0.3444 | 0.0000 | 91.638 | 0.30634 | 0.00000 | 311095.3 | 192129.8 | 0.0 | S |
| 21.289 | 0.3417 | 0.0000 | 91.638 | 0.30575 | 0.00000 | 311122.7 | 192154.3 | 0.0 0.0 | S |
| 21.311 | 0.3398 | 0.0000 | 91.638 | 0.30516 | 0.00000 | 311150.0 | 192178.7 | 0.0 | S |
| 21.333 | 0.3384 | 0.0000 | 91.638 | 0.30457 | 0.00000 | 311177.1 | 192203.1 | 0.0 | S |
| 21.356 | 0.3374 | 0.0000 | 91.638 | 0.30399 | 0.00000 | 311204.1 | 192227.4 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 3100 Year/24 Hour Routing

| Elapsed Time (hours) | Inflow Rate (fishs) | Outside Recharge (fi/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumuiative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 21.378 | 0.3367 | 0.0000 | 91.638 | 0.30342 | 0.00000 | 311231.1 | 192251.7 | 0.0 | S |
| 21.400 | 0.3362 | 0.0000 | 91.638 | 0.30285 | 0.00000 | 311258.0 | 192276.0 | 0.0 | S |
| 21.422 | 0.3358 | 0.0000 | 91.638 | 0.30229 | 0.00000 | 311284.9 | 192300.2 | 0.0 | S |
| 21.444 | 0.3355 | 0.0000 | 91.638 | 0.30173 | 0.00000 | 311311.7 | 192324.3 | 0.0 | S |
| 21.467 | 0.3353 | 0.0000 | 91.638 | 0.30118 | 0.00000 | 311338.6 | 192348.5 | 0.0 | S |
| 21.489 | 0.3351 | 0.0000 | 91.638 | 0.30063 | 0.00000 | 311365.4 | 192372.5 | 0.0 | S |
| 21.511 | 0.3366 | 0.0000 | 91.638 | 0.30009 | 0.00000 | 311392.3 | 192396.5 | 0.0 | S |
| 21.533 | 0.3450 | 0.0000 | 91.638 | 0.29956 | 0.00000 | 311419.5 | 192420.5 | 0.0 | S |
| 21.556 | 0.3662 | 0.0000 | 91.638 | 0.29906 | 0.00000 | 311448.0 | 192444.5 | 0.0 | S |
| 21.578 | 0.4036 | 0.0000 | 91.638 | 0.29859 | 0.00000 | 311478.8 | 192468.4 | 0.0 | S |
| 21.600 | 0.4514 | 0.0000 | 91.638 | 0.29815 | 0.00000 | 311513.0 | 192492.3 | 0.0 | S |
| 21.622 | 0.5005 | 0.0000 | 91.639 | 0.29775 | 0.00000 | 311551.0 | 192516.1 | 0.0 | S |
| 21.644 | 0.5448 | 0.0000 | 91.639 | 0.29737 | 0.00000 | 311592.8 | 192539.9 | 0.0 | S |
| 21.667 | 0.5804 | 0.0000 | 91.639 | 0.29702 | 0.00000 | 311637.8 | 192563.7 | 0.0 | S |
| 21.689 | 0.6058 | 0.0000 | 91.639 | 0.29666 | 0.00000 | 311685.3 | 192587.4 | 0.0 | S |
| 21.711 | 0.6236 | 0.0000 | 91.640 | 0.29631 | 0.00000 | 311734.5 | 192611.1 | 0.0 | S |
| 21.733 | 0.6365 | 0.0000 | 91.640 | 0.29596 | 0.00000 | 311784.9 | 192634.8 | 0.0 | S |
| 21.756 | 0.6459 | 0.0000 | 91.640 | 0.29560 | 0.00000 | 311836.2 | 192658.5 | 0.0 | S |
| 21.778 | 0.6526 | 0.0000 | 91.641 | 0.29524 | 0.00000 | 311888.1 | 192682.1 | 0.0 | S |
| 21.800 | 0.6575 | 0.0000 | 91.641 | 0.29487 | 0.00000 | 311940.5 | 192705.7 | 0.0 | S |
| 21.822 | 0.6610 | 0.0000 | 91.642 | 0.29450 | 0.00000 | 311993.3 | 192729.3 | 0.0 | S |
| 21.844 | 0.6636 | 0.0000 | 91.642 | 0.29413 | 0.00000 | 312046.3 | 192752.9 | 0.0 | S |
| 21.867 | 0.6654 | 0.0000 | 91.642 | 0.29375 | 0.00000 | 312099.4 | 192776.4 | 0.0 | S |
| 21.889 | 0.6667 | 0.0000 | 91.643 | 0.29337 | 0.00000 | 312152.7 | 192799.8 | 0.0 | S |
| 21.911 | 0.6677 | 0.0000 | 91.643 | 0.29298 | 0.00000 | 312206.1 | 192823.3 | 0.0 | S |
| 21.933 | 0.6684 | 0.0000 | 91.644 | 0.29260 | 0.00000 | 312259.5 | 192846.7 | 0.0 | S |
| 21.956 | 0.6689 | 0.0000 | 91.644 | 0.29222 | 0.00000 | 312313.0 | 192870.1 | 0.0 | S |
| 21.978 | 0.6693 | 0.0000 | 91.644 | 0.29183 | 0.00000 | 312366.5 | 192893.5 | 0.0 | S |
| 22.000 | 0.6696 | 0.0000 | 91.645 | 0.29144 | 0.00000 | 312420.1 | 192916.8 | 0.0 | S |
| 22.022 | 0.6665 | 0.0000 | 91.645 | 0.29105 | 0.00000 | 312473.5 | 192940.1 | 0.0 | S |
| 22.044 | 0.6548 | 0.0000 | 91.646 | 0.29065 | 0.00000 | 312526.4 | 192963.4 | 0.0 | S |
| 22.067 | 0.6280 | 0.0000 | 91.646 | 0.29022 | 0.00000 | 312577.7 | 192986.6 | 0.0 | S |
| 22.089 | 0.5862 | 0.0000 | 91.646 | 0.28977 | 0.00000 | 312626.3 | 193009.8 | 0.0 | S |
| 22.111 | 0.5373 | 0.0000 | 91.647 | 0.28928 | 0.00000 | 312671.2 | 193033.0 | 0.0 | S |
| 22.133 | 0.4893 | 0.0000 | 91.647 | 0.28876 | 0.00000 | 312712.3 | 193056.1 | 0.0 | S |
| 22.156 | 0.4475 | 0.0000 | 91.647 | 0.28823 | 0.00000 | 312749.7 | 193079.2 | 0.0 | S |
| 22.178 | 0.4154 | 0.0000 | 91.647 | 0.28768 | 0.00000 | 312784.3 | 193102.2 | 0.0 | S |
| 22.200 | 0.3927 | 0.0000 | 91.647 | 0.28714 | 0.00000 | 312816.6 | 193125.2 | 0.0 | S |
| 22.222 | 0.3767 | 0.0000 | 91.647 | 0.28660 | 0.00000 | 312847.3 | 193148.2 | 0.0 | S |
| 22.244 | 0.3650 | 0.0000 | 91.647 | 0.28607 | 0.00000 | 312877.0 | 193171.1 | 0.0 | S |
| 22.267 | 0.3565 | 0.0000 | 91.647 | 0.28555 | 0.00000 | 312905.9 | 193193.9 | 0.0 | S |
| 22.289 | 0.3504 | 0.0000 | 91.648 | 0.28504 | 0.00000 | 312934.2 | 193216.8 | 0.0 | S |
| 22.311 | 0.3460 | 0.0000 | 91.648 | 0.28453 | 0.00000 | 312962.0 | 193239.5 | 0.0 | S |
| 22.333 | 0.3428 | 0.0000 | 91.648 | 0.28404 | 0.00000 | 312989.6 | 193262.3 | 0.0 | S |
| 22.356 | 0.3406 | 0.0000 | 91.648 | 0.28355 | 0.00000 | 313016.9 | 193285.0 | 0.0 | S |
| 22.378 | 0.3389 | 0.0000 | 91.648 | 0.28307 | 0.00000 | 313044.1 | 193307.6 | 0.0 | S |
| 22.400 | 0.3377 | 0.0000 | 91.648 | 0.28259 | 0.00000 | 313071.1 | 193330.3 | 0.0 | S |
| 22.422 | 0.3369 | 0.0000 | 91.648 | 0.28213 | 0.00000 | 313098.1 | 193352.9 | 0.0 | S |
| 22.444 | 0.3362 | 0.0000 | 91.648 | 0.28166 | 0.00000 | 313125.0 | 193375.4 | 0.0 | S |
| 22.467 | 0.3358 | 0.0000 | 91.648 | 0.28121 | 0.00000 | 313151.9 | 193397.9 | 0.0 | S |
| 22.489 | 0.3354 | 0.0000 | 91.648 | 0.28075 | 0.00000 | 313178.8 | 193420.4 | 0.0 | S |
| 22.511 | 0.3352 | 0.0000 | 91.648 | 0.28031 | 0.00000 | 313205.6 | 193442.8 | 0.0 | S |
| 22.533 | 0.3378 | 0.0000 | 91.648 | 0.27987 | 0.00000 | 313232.5 | 193465.3 | 0.0 | S |
| 22.556 | 0.3465 | 0.0000 | 91.648 | 0.27944 | 0.00000 | 313259.9 | 193487.6 | 0.0 | S |
| 22.578 | 0.3651 | 0.0000 | 91.648 | 0.27903 | 0.00000 | 313288.3 | 193510.0 | 0.0 | S |
| 22.600 | 0.3916 | 0.0000 | 91.648 | 0.27865 | 0.00000 | 313318.6 | 193532.3 | 0.0 | S |
| 22.622 | 0.4204 | 0.0000 | 91.649 | 0.27828 | 0.00000 | 313351.1 | 193554.5 | 0.0 | S |
| 22.644 | 0.4473 | 0.0000 | 91.649 | 0.27794 | 0.00000 | 313385.8 | 193576.8 | 0.0 | S |
| 22.667 | 0.4700 | 0.0000 | 91.649 | 0.27761 | 0.00000 | 313422.5 | 193599.0 | 0.0 | S |
| 22.689 | 0.4865 | 0.0000 | 91.649 | 0.27728 | 0.00000 | 313460.8 | 193621.2 | 0.0 | S |
| 22.711 | 0.4979 | 0.0000 | 91.649 | 0.27696 | 0.00000 | 313500.1 | 193643.4 | 0.0 | S |
| 22.733 | 0.5061 | 0.0000 | 91.650 | 0.27663 | 0.00000 | 313540.3 | 193665.5 | 0.0 | S |
| 22.756 | 0.5122 | 0.0000 | 91.650 | 0.27631 | 0.00000 | 313581.0 | 193687.6 | 0.0 | S |
| 22.778 | 0.5165 | 0.0000 | 91.650 | 0.27598 | 0.00000 | 313622.2 | 193709.7 | 0.0 | S |
| 22.800 | 0.5196 | 0.0000 | 91.650 | 0.27565 | 0.00000 | 313663.6 | 193731.8 | 0.0 | S |
| 22.822 | 0.5219 | 0.0000 | 91.651 | 0.27532 | 0.00000 | 313705.3 | 193753.8 | 0.0 | S |
| 22.844 | 0.5235 | 0.0000 | 91.651 | 0.27499 | 0.00000 | 313747.1 | 193775.9 | 0.0 | S |
| 22.867 | 0.5247 | 0.0000 | 91.651 | 0.27466 | 0.00000 | 313789.0 | 193797.8 | 0.0 | S |
| 22.889 | 0.5255 | 0.0000 | 91.651 | 0.27432 | 0.00000 | 313831.0 | 193819.8 | 0.0 | S |
| 22.911 | 0.5261 | 0.0000 | 91.652 | 0.27399 | 0.00000 | 313873.1 | 193841.7 | 0.0 | S |
| 22.933 | 0.5266 | 0.0000 | 91.652 | 0.27365 | 0.00000 | 313915.2 | 193863.6 | 0.0 | S |
| 22.956 | 0.5269 | 0.0000 | 91.652 | 0.27332 | 0.00000 | 313957.3 | 193885.5 | 0.0 | S |
| 22.978 | 0.5271 | 0.0000 | 91.653 | 0.27298 | 0.00000 | 313999.5 | 193907.4 | 0.0 | S |
| 23.000 | 0.5254 | 0.0000 | 91.653 | 0.27264 | 0.00000 | 314041.6 | 193929.2 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 3100 Year / 24 Hour Routing

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / 3}$ ) | Outside Recharge (ftday) | Stage Elevation (f datum) | Infiltration Rate ( $\mathrm{H}^{3 / 3}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / 3}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{t}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 23.022 | 0.5160 | 0.0000 | 91.653 | 0.27229 | 0.00000 | 314083.3 | 193951.0 | 0.0 | S |
| 23.044 | 0.4926 | 0.0000 | 91.653 | 0.27193 | 0.00000 | 314123.6 | 193972.8 | 0.0 | S |
| 23.067 | 0.4517 | 0.0000 | 91.654 | 0.27153 | 0.00000 | 314161.4 | 193994.5 | 0.0 | S |
| 23.089 | 0.4002 | 0.0000 | 91.654 | 0.27109 | 0.00000 | 314195.4 | 194016.2 | 0.0 | S |
| 23.111 | 0.3475 | 0.0000 | 91.654 | 0.27063 | 0.00000 | 314225.3 | 194037.9 | 0.0 | S |
| 23.133 | 0.3003 | 0.0000 | 91.654 | 0.27014 | 0.00000 | 314251.3 | 194059.5 | 0.0 | S |
| 23.156 | 0.2625 | 0.0000 | 91.654 | 0.26964 | 0.00000 | 314273.8 | 194081.1 | 0.0 | S |
| 23.178 | 0.2355 | 0.0000 | 91.654 | 0.26913 | 0.00000 | 314293.7 | 194102.7 | 0.0 | S |
| 23.200 | 0.2166 | 0.0000 | 91.654 | 0.26864 | 0.00000 | 314311.8 | 194124.2 | 0.0 | S |
| 23.222 | 0.2029 | 0.0000 | 91.654 | 0.26814 | 0.00000 | 314328.6 | 194145.6 | 0.0 | S |
| 23.244 | 0.1929 | 0.0000 | 91.654 | 0.26766 | 0.00000 | 314344.4 | 194167.1 | 0.0 | S |
| 23.267 | 0.1858 | 0.0000 | 91.654 | 0.26719 | 0.00000 | 314359.5 | 194188.5 | 0.0 | S |
| 23.289 | 0.1806 | 0.0000 | 91.653 | 0.26672 | 0.00000 | 314374.2 | 194209.8 | 0.0 | S |
| 23.311 | 0.1769 | 0.0000 | 91.653 | 0.26827 | 0.00000 | 314388.5 | 194231.1 | 0.0 | S |
| 23.333 | 0.1742 | 0.0000 | 91.653 | 0.26582 | 0.00000 | 314402.5 | 194252.4 | 0.0 | S |
| 23.356 | 0.1722 | 0.0000 | 91.653 | 0.26538 | 0.00000 | 314416.4 | 194273.7 | 0.0 | S |
| 23.378 | 0.1708 | 0.0000 | 91.653 | 0.26495 | 0.00000 | 314430.1 | 194294.9 | 0.0 | S |
| 23.400 | 0.1698 | 0.0000 | 91.653 | 0.26453 | 0.00000 | 314443.8 | 194316.1 | 0.0 | S |
| 23.422 | 0.1691 | 0.0000 | 91.653 | 0.26411 | 0.00000 | 314457.3 | 194337.2 | 0.0 | S |
| 23.444 | 0.1685 | 0.0000 | 91.653 | 0.26369 | 0.00000 | 314470.8 | 194358.3 | 0.0 | S |
| 23.467 | 0.1681 | 0.0000 | 91.653 | 0.26328 | 0.00000 | 314484.3 | 194379.4 | 0.0 | S |
| 23.489 | 0.1678 | 0.0000 | 91.653 | 0.26288 | 0.00000 | 314497.7 | 194400.4 | 0.0 | S |
| 23.511 | 0.1676 | 0.0000 | 91.652 | 0.26248 | 0.00000 | 314511.1 | 194421.5 | 0.0 | S |
| 23.533 | 0.1676 | 0.0000 | 91.652 | 0.26208 | 0.00000 | 314524.5 | 194442.4 | 0.0 | S |
| 23.556 | 0.1676 | 0.0000 | 91.652 | 0.26169 | 0.00000 | 314537.9 | 194463.4 | 0.0 | S |
| 23.578 | 0.1675 | 0.0000 | 91.652 | 0.26130 | 0.00000 | 314551.3 | 194484.3 | 0.0 | S |
| 23.600 | 0.1675 | 0.0000 | 91.652 | 0.26092 | 0.00000 | 314564.8 | 194505.2 | 0.0 | S |
| 23.622 | 0.1675 | 0.0000 | 91.652 | 0.26054 | 0.00000 | 314578.2 | 194526.0 | 0.0 | S |
| 23.644 | 0.1675 | 0.0000 | 91.652 | 0.26016 | 0.00000 | 314591.5 | 194546.9 | 0.0 | S |
| 23.667 | 0.1674 | 0.0000 | 91.652 | 0.25978 | 0.00000 | 314604.9 | 194567.7 | 0.0 | S |
| 23.689 | 0.1674 | 0.0000 | 91.652 | 0.25941 | 0.00000 | 314618.3 | 194588.5 | 0.0 | S |
| 23.711 | 0.1674 | 0.0000 | 91.652 | 0.25904 | 0.00000 | 314631.7 | 194609.2 | 0.0 | S |
| 23.733 | 0.1674 | 0.0000 | 91.652 | 0.25867 | 0.00000 | 314645.1 | 194629.9 | 0.0 | S |
| 23.756 | 0.1674 | 0.0000 | 91.651 | 0.25830 | 0.00000 | 314658.5 | 194650.6 | 0.0 | S |
| 23.778 | 0.1674 | 0.0000 | 91.651 | 0.25794 | 0.00000 | 314671.9 | 194671.2 | 0.0 | S |
| 23.800 | 0.1674 | 0.0000 | 91.651 | 0.25758 | 0.00000 | 314685.3 | 194691.8 | 0.0 | S |
| 23.822 | 0.1674 | 0.0000 | 91.651 | 0.25722 | 0.00000 | 314698.7 | 194712.4 | 0.0 | S |
| 23.844 | 0.1674 | 0.0000 | 91.651 | 0.25686 | 0.00000 | 314712.1 | 194733.0 | 0.0 | S |
| 23.867 | 0.1674 | 0.0000 | 91.651 | 0.25651 | 0.00000 | 314725.5 | 194753.5 | 0.0 | S |
| 23.889 | 0.1674 | 0.0000 | 91.651 | 0.25615 | 0.00000 | 314738.9 | 194774.0 | 0.0 | S |
| 23.911 | 0.1674 | 0.0000 | 91.651 | 0.25580 | 0.00000 | 314752.3 | 194794.5 | 0.0 | S |
| 23.933 | 0.1674 | 0.0000 | 91.651 | 0.25545 | 0.00000 | 314765.7 | 194815.0 | 0.0 | S |
| 23.956 | 0.1674 | 0.0000 | 91.651 | 0.25511 | 0.00000 | 314779.1 | 194835.4 | 0.0 | S |
| 23.978 | 0.1674 | 0.0000 | 91.650 | 0.25476 | 0.00000 | 314792.4 | 194855.8 | 0.0 | S |
| 24.000 | 0.1674 | 0.0000 | 91.650 | 0.25442 | 0.00000 | 314805.8 | 194876.2 | 0.0 | S |
| 24.022 | 0.1649 | 0.0000 | 91.650 | 0.25407 | 0.00000 | 314819.1 | 194896.5 | 0.0 | S |
| 24.044 | 0.1571 | 0.0000 | 91.650 | 0.25372 | 0.00000 | 314832.0 | 194916.8 | 0.0 | S |
| 24.067 | 0.1405 | 0.0000 | 91.650 | 0.25336 | 0.00000 | 314843.9 | 194937.1 | 0.0 | S |
| 24.089 | 0.1172 | 0.0000 | 91.650 | 0.25298 | 0.00000 | 314854.2 | 194957.3 | 0.0 | S |
| 24.111 | 0.0921 | 0.0000 | 91.650 | 0.25259 | 0.00000 | 314862.6 | 194977.6 | 0.0 | S |
| 24.133 | 0.0688 | 0.0000 | 91.650 | 0.25219 | 0.00000 | 314869.0 | 194997.8 | 0.0 | S |
| 24.156 | 0.0492 | 0.0000 | 91.649 | 0.25178 | 0.00000 | 314873.8 | 195017.9 | 0.0 | S |
| 24.178 | 0.0351 | 0.0000 | 91.649 | 0.25137 | 0.00000 | 314877.1 | 195038.0 | 0.0 | S |
| 24.200 | 0.0253 | 0.0000 | 91.649 | 0.25096 | 0.00000 | 314879.5 | 195058.1 | 0.0 | S |
| 24.222 | 0.0183 | 0.0000 | 91.649 | 0.25056 | 0.00000 | 314881.3 | 195078.2 | 0.0 | S |
| 24.244 | 0.0131 | 0.0000 | 91.648 | 0.25016 | 0.00000 | 314882.6 | 195098.2 | 0.0 | S |
| 24.267 | 0.0094 | 0.0000 | 91.648 | 0.24977 | 0.00000 | 314883.4 | 195118.2 | 0.0 | S |
| 24.289 | 0.0067 | 0.0000 | 91.648 | 0.24938 | 0.00000 | 314884.1 | 195138.2 | 0.0 | S |
| 24.311 | 0.0048 | 0.0000 | 91.648 | 0.24900 | 0.00000 | 314884.6 | 195158.1 | 0.0 | S |
| 24.333 | 0.0034 | 0.0000 | 91.647 | 0.24862 | 0.00000 | 314884.9 | 195178.0 | 0.0 | S |
| 24.356 | 0.0024 | 0.0000 | 91.647 | 0.24825 | 0.00000 | 314885.1 | 195197.9 | 0.0 | S |
| 24.378 | 0.0017 | 0.0000 | 91.647 | 0.24788 | 0.00000 | 314885.3 | 195217.8 | 0.0 | S |
| 24.400 | 0.0012 | 0.0000 | 91.647 | 0.24751 | 0.00000 | 314885.4 | 195237.6 | 0.0 | S |
| 24.422 | 0.0008 | 0.0000 | 91.646 | 0.24715 | 0.00000 | 314885.5 | 195257.3 | 0.0 | S |
| 24.444 | 0.0005 | 0.0000 | 91.646 | 0.24680 | 0.00000 | 314885.5 | 195277.1 | 0.0 | S |
| 24.467 | 0.0003 | 0.0000 | 91.646 | 0.24644 | 0.00000 | 314885.6 | 195296.8 | 0.0 | S |
| 24.489 | 0.0002 | 0.0000 | 91.646 | 0.24609 | 0.00000 | 314885.6 | 195316.5 | 0.0 | S |
| 24.511 | 0.0001 | 0.0000 | 91.645 | 0.24574 | 0.00000 | 314885.6 | 195336.2 | 0.0 | S |
| 24.533 | 0.0000 | 0.0000 | 91.645 | 0.24540 | 0.00000 | 314885.6 | 195355.9 | 0.0 | S |
| 24.556 | 0.0000 | 0.0000 | 91.645 | 0.24505 | 0.00000 | 314885.6 | 195375.5 | 0.0 | S |
| 24.578 | 0.0000 | 0.0000 | 91.645 | 0.24479 | 0.00000 | 314885.6 | 195395.1 | 0.0 | S |
| 48.578 | 0.0000 | 0.0000 | 91.474 | 0.12959 | 0.00000 | 314885.6 | 208205.2 | 0.0 | S |
| 96.578 | 0.0000 | 0.0000 | 91.260 | 0.08131 | 0.00000 | 314885.6 | 224145.3 | 0.0 | S |
| 192.578 | 0.0000 | 0.0000 | 90.982 | 0.05212 | 0.00000 | 314885.6 | 244684.3 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: Pond 3100 Year $/ 24$ Hour Routing

| Elapsed Time (hours) | Inflow Rate (ftys) | Outside Recharge (fuday) | Stage Elevation (ft datum) | Infiltration Rate (ftys) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumutative Infow Volume ( $t^{3}$ ) | Cumulative Infiltration Volume $\left(t^{3}\right)$ | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 288.578 | 0.0000 | 0.0000 | 90.769 | 0.04093 | 0.00000 | 314885.6 | 260171.0 | 0.0 | 5 |
| 360.578 | 0.0000 | 0.0000 | 90.633 | .--- | ---- | 314885.6 | 270027.0 | . 0 | A. |

# Pond 3 Back-to-Back 100-year / 24-Hour Storm 

Run 2<br>Input Report<br>Summary of Results

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

## Project Data

Project Name: Vista Landfill Redesign
Simulation Description: Pond 3
100 Year / 24 Hour Routing and Recovery Analysis w/ infiltration2nd 100 -year storm
Project Number: ..... 10-2141
Engineer : ..... cms
Supervising Engineer: ..... cms
Date: ..... 01-06-2011
Aquifer Data
Base Of Aquifer Elevation, $[\mathrm{B}]$ (ft datum): ..... 84.00
Water Table Elevation, [WT] (ft datum): ..... 90.90
Horizontal Saturated Hydraulic Conductivity, [Kh] (ft/day): ..... 15.00
Fillable Porosity, [n] (\%): ..... 20.00
Vertical infiltration was not considered.
Geometry Data
Equivalent Pond Length, [L] (ft): ..... 320.0
Equivalent Pond Width, [W] (ft): ..... 100.0
Ground water mound is expected to intersect the pond bottom

## Stage vs Area Data

| Stage <br> (ft datum) | Area <br> $\left(\mathrm{ft}^{2}\right)$ |
| ---: | :---: |
| 90.00 | 69811.0 |
| 92.00 | 76737.0 |
| 94.00 | 86753.0 |
| 96.00 | 96067.0 |
| 98.00 | 103989.0 |
| 100.00 | 11923.0 |
| 102.00 | 120025.0 |

## Discharge Structures

Discharge Structure \#1 is inactive
Discharge Structure \#2 is inactive
Discharge Structure \#3 is inactive

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

## Scenario Input Data

## Scenario 1 :: Pond 3100 Year 24 Hour Routing

| Hydrograph Type: | Inline SCS <br> Modflow Routing: <br> Routed with infiltration <br> Repetitions: |  |
| :--- | :--- | :--- |
|  |  |  |
|  |  |  |
| Basin Area (acres) |  | 8.370 |
| Time Of Concentration (minutes) | 10.0 |  |
| DCIA (\%) | 0.0 |  |
| Curve Number | 98 |  |
| Design Rainfall Depth (inches) | 10.6 |  |
| Design Rainfall Duration (hours) | 24.0 |  |
| Shape Factor | UHG 484 |  |
| Rainfall Distribution | Orange County 100 Year - 24 Hour |  |

Initial ground water level (ft datum) default, 90.90
Time After
Storm Event (days)
1.000
3.000
7.000
11.000
14.000

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Summary of Results :: Scenario 1 :: Pond 3100 Year/24 Hour Routing

|  | Time (hours) | Stage (ft datum) | Rate $\left(\mathrm{ft}^{3} / \mathrm{s}\right)$ | Volume (ft ${ }^{3}$ ) |
| :---: | :---: | :---: | :---: | :---: |
| Stage |  |  |  |  |
| Minimum | 0.000 | 90.90 |  |  |
| Maximum | 24.044 | 94.61 |  |  |
| Inflow |  |  |  |  |
| Rate - Maximum - Positive | 9.000 |  | 18.4084 |  |
| Rate - Maximum - Negative | None |  | None |  |
| Cumulative Volume - Maximum Positive | 24.489 |  |  | 314885.6 |
| Cumulative Volume - Maximum Negative | None |  |  | None |
| Cumulative Volume - End of Simulation | 360.578 |  |  | 314885.6 |
| Infiltration |  |  |  |  |
| Rate - Maximum - Positive | 10.044 |  | 0.3636 |  |
| Rate - Maximum - Negative | 0.022 |  | -0.4550 |  |
| Cumulative Volume - Maximum Positive | 360.578 |  |  | 73169.4 |
| Cumulative Volume - Maximum Negative | 0.022 |  |  | -72.9 |
| Cumulative Volume - End of Simulation | 360.578 |  |  | 73169.4 |
| Combined Discharge |  |  |  |  |
| Rate - Maximum - Positive | None |  | None |  |
| Rate - Maximum - Negative | None |  | None |  |
| Cumulative Volume - Maximum Positive | None |  |  | None |
| Cumulative Volume - Maximum Negative | None |  |  | None |
| Cumulative Volume - End of Simulation | 360.578 |  |  | 0.0 |
| Discharge Structure 1 - inactive |  |  |  |  |
| Rate - Maximum - Positive | disabled |  | disabled |  |
| Rate - Maximum - Negative | disabled |  | disabled |  |
| Cumulative Volume - Maximum Positive | disabled |  |  | disabled |
| Cumulative Volume - Maximum Negative | disabled |  |  | disabled |
| Cumulative Volume - End of Simulation | disabled |  |  | disabled |
| Discharge Structure 2 - inactive |  |  |  |  |
| Rate - Maximum - Positive | disabled |  | disabled |  |
| Rate - Maximum - Negative | disabled |  | disabled |  |
| Cumulative Volume - Maximum Positive | disabled |  |  | disabled |
| Cumulative Volume - Maximum Negative | disabled |  |  | disabled |
| Cumulative Volume - End of Simulation | disabled |  |  | disabled |
| Discharge Structure 3 - inactive disabled |  |  |  |  |
| Rate - Maximum - Positive | disabled |  | disabled |  |
| Rate - Maximum - Negative | disabled |  | disabled |  |
| Cumulative Volume - Maximum Positive | disabled |  |  | disabled |
| Cumulative Volume - Maximum Negative | disabled |  |  | disabled |
| Cumulative Volume - End of Simulation | disabled |  |  | disabled |
| Pollution Abatement: |  |  |  |  |
| 36 Hour Stage and Infiltration Volume | N.A. | N.A. |  | N.A. |
| 72 Hour Stage and Infiltration Volume | N.A. | N.A. |  | N.A. |

# PONDS Routing and Recovery Analysis 

## Buildout Results

Pond 4<br>100-year / 24-Hour Storm<br>Input Report Summary of Results Detailed Results

## (Pond dry at Hour 54)

(Cut off early due to unnecessary length)

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

## Project Data

| Project Name: | Vista Landfill Redesign |
| :--- | :--- |
| Simulation Description: | Pond 4 <br> 100 Year / 24 Hour Routing and Recovery Analysis w/ infiltration |
| Project Number: | $10-2141$ |
| Engineer : | cms |
| Supervising Engineer: | cms |
| Date: | $01-06-2011$ |

## Aquifer Data

Base Of Aquifer Elevation, [B] (ft datum): ..... 59.00
Water Table Elevation, [WT] (ft datum): ..... 60.00
Horizontal Saturated Hydraulic Conductivity, [Kh] (ft/day): ..... 15.00
Fillable Porosity, [n] (\%): ..... 20.00
Unsaturated Vertical Infiltration Rate, [IV] (fV/day): ..... 5.0
Maximum Area For Unsaturated Infiltration, [Av] ( $\mathrm{ft}^{2}$ ): ..... 38360.0

## Geometry Data

Equivalent Pond Length, [L] (ft): ..... 600.0
Equivalent Pond Width, [W] (ft): ..... 50.0
Ground water mound is expected to intersect the pond bottom

## Stage vs Area Data

| Stage (ft datum) | Area $\left(\mathrm{ft}^{2}\right)$ |
| :---: | :---: |
| 82.00 | 1630.0 |
| 83.00 | 2794.0 |
| 84.00 | 4211.0 |
| 85.00 | 5882.0 |
| 86.00 | 7808.0 |
| 87.00 | 9987.0 |
| 88.00 | 12733.0 |
| 89.00 | 15622.0 |
| 90.00 | 19576.0 |
| 91.00 | 23217.0 |
| 92.00 | 26917.0 |
| 93.00 | 30678.0 |
| 94.00 | 34497.0 |
| 95.00 | 38360.0 |

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

## Discharge Structures

## Discharge Structure \#1 is active as weir

## Structure Parameters

Description: overflow from pond 4
Weir elevation, (ft datum): $\quad 93.8$
Weir coefficient: $\quad 3.13$
Weir length, (ft): $\quad 17$
Weir exponent: $\quad 1.5$
Tailwater - disabled, free discharge

Discharge Structure \#2 is inactive
Discharge Structure \#3 is inactive

## Scenario Input Data

Scenario 1 :: Pond $4100 \mathrm{yr} / 24 \mathrm{hr}$
Hydrograph Type: Multi-basin SCS Hydrograph
Modflow Options
Modflow Routing: Routed with infiltration Initial Groundwater Table:
Initial Pond Stage: Boundary Condition: default default (constant head)
Repetitions: ..... 1
Simulation Parameters
Minimum time of concentration for all contributing basins in chain (minutes): ..... 10
Computational time step (minutes): ..... 5
Duration of simulation (hours): ..... 240
Contributing Basins
Number of contributing basins: ..... 1
Basin 1
Basin Name ..... DA-4
Basin Area (acres) ..... 7.6
Time Of Concentration (minutes) ..... 10
Curve Number ..... 98
Design Rainfall Depth (inches) ..... 10.6
Design Rainfall Duration (hours) ..... 24
Shape Factor ..... UHG 484
Rainfall Distribution Orange County 100 Year - 24 Hour
Ugradient Inflows
Number of upgradient inflow nodes: ..... 0

# Retention Pond Recovery - Refined Method <br> Copyright 2003 

Devo Seereeram, Ph.D., P.E.
Summary of Results :: Scenario 1 :: Pond $4100 \mathrm{yr} / 24 \mathrm{hr}$

|  | Time (hours) | $\begin{gathered} \text { Stage } \\ \text { (ft datum) } \end{gathered}$ | Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Volume (ft ${ }^{3}$ ) |
| :---: | :---: | :---: | :---: | :---: |
| Stage |  |  |  |  |
| Minimum | 0.000 | 60.00 |  |  |
| Maximum | 10.142 | 94.04 |  |  |
| Inflow |  |  |  |  |
| Rate - Maximum - Positive | 9.000 |  | 16.7417 |  |
| Rate - Maximum - Negative | None |  | None |  |
| Cumulative Volume - Maximum Positive | 24.517 |  |  | 286378.1 |
| Cumulative Volume - Maximum Negative | None |  |  | None |
| Cumulative Volume - End of Simulation | 240.000 |  |  | 286378.1 |
| Infiltration |  |  |  |  |
| Rate - Maximum - Positive | 53.367 |  | 39.3059 |  |
| Rate - Maximum - Negative | None |  | None |  |
| Cumulative Volume - Maximum Positive | 53.575 |  |  | 246165.8 |
| Cumulative Volume - Maximum Negative | None |  |  | None |
| Cumulative Volume - End of Simulation | 240.000 |  |  | 246165.8 |
| Combined Discharge |  |  |  |  |
| Rate - Maximum - Positive | 10.142 |  | 6.2153 |  |
| Rate - Maximum - Negative | None |  | None |  |
| Cumulative Volume - Maximum Positive | 14.508 |  |  | 40212.2 |
| Cumulative Volume - Maximum Negative | None |  |  | None |
| Cumulative Volume - End of Simulation | 240.000 |  |  | 40212.2 |
| Discharge Structure 1 - simple weir |  |  |  |  |
| Rate - Maximum - Positive | 10.142 |  | 6.2153 |  |
| Rate - Maximum - Negative | None |  | None |  |
| Cumulative Volume - Maximum Positive | 14.508 |  |  | 40212.2 |
| Cumulative Volume - Maximum Negative | None |  |  | None |
| Cumulative Volume - End of Simulation | 240.000 |  |  | 40212.2 |
| Discharge Structure 2 - inactive |  |  |  |  |
| Rate - Maximum - Positive | disabled |  | disabled |  |
| Rate - Maximum - Negative | disabled |  | disabled |  |
| Cumulative Volume - Maximum Positive | disabled |  |  | disabled |
| Cumulative Volume - Maximum Negative | disabled |  |  | disabled |
| Cumulative Volume - End of Simulation | disabled |  |  | disabled |
| Discharge Structure 3 - inactive |  |  |  |  |
| Rate - Maximum - Positive | disabled |  | disabled |  |
| Rate - Maximum - Negative | disabled |  | disabled |  |
| Cumulative Volume - Maximum Positive | disabled |  |  | disabled |
| Cumulative Volume - Maximum Negative | disabled |  |  | disabled |
| Cumulative Volume - End of Simulation | disabled |  |  | disabled |
| Pollution Abatement: |  |  |  |  |
| 36 Hour Stage and Infiltration Volume | N.A. | N.A. |  | N.A. |
| 72 Hour Stage and Infiltration Volume | N.A. | N.A. |  | N.A. |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results :: Scenario 1 :: Pond $4100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow <br> Rate <br> ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Outside <br> Recharge (ft/day) | Stage Elevation (ft datum) | Infilitration Rate (fits) | Overflow Discharge ( $\mathrm{f}^{3 / 5}$ ) | Cumulative !nflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | $\begin{aligned} & \text { Flow } \\ & \text { Type } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 0.000 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | N.A. |
| 0.008 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.017 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.025 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.033 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.042 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.050 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.058 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.067 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.075 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.083 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.092 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.100 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.108 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.117 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.125 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.133 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.142 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.150 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.158 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.167 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.175 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.183 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.192 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.200 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.208 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.217 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.225 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.233 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.242 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.250 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.258 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.267 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.275 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.283 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.292 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.300 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.308 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.317 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.325 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.333 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.342 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.350 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.358 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.367 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.375 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.383 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.392 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.400 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.408 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.417 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.425 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.433 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.442 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.450 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.458 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.467 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.475 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.483 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.492 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.500 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.508 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.517 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.525 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.533 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.542 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.550 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.558 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.567 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.575 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.583 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.592 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.600 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.608 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |

PONDS Version 3.2.0207

# Retention Pond Recovery - Refined Method Copyright 2003 

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $4100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} \mathrm{~s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate (fth/s) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ff}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 0.617 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.625 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.633 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.642 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.650 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.658 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.667 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.675 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.683 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.692 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.700 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.708 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.717 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.725 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.733 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.742 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.750 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.758 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.767 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.775 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.783 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.792 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.800 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.808 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.817 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.825 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.833 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.842 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.850 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.858 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.867 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.875 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.883 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.892 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.900 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.908 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.917 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.925 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.933 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.942 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.950 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.958 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.867 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.975 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.983 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.992 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.000 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.008 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.017 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.025 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.033 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.042 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.050 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.058 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.067 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.075 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.083 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.092 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.100 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.108 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.117 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.125 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.133 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.142 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 3.150 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.158 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.167 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.175 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.183 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.192 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.200 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.208 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.217 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.225 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |

PONDS Version 3.2.0207

# Retention Pond Recovery - Refined Method Copyright 2003 

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 4100 yr / 24 hr

| Elapsed (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / 5}$ ) | Cumulative Inflow <br> Volume (fis) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1.233 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.242 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.250 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.258 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.267 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.275 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.283 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.292 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.300 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.308 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.317 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.325 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.333 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | $U$ |
| 1.342 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.350 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.358 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.367 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.375 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.383 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.392 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.400 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.408 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.417 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.425 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.433 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.442 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.450 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.458 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.467 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.475 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.483 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.492 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.500 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.508 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.517 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.525 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.533 | 0.0000 | 0.0000 | 60.000 | 0.00001 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.542 | 0.0000 | 0.0000 | 60.000 | 0.00003 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.550 | 0.0001 | 0.0000 | 60.000 | 0.00009 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.558 | 0.0002 | 0.0000 | 60.000 | 0.00018 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.567 | 0.0003 | 0.0000 | 60.000 | 0.00035 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.575 | 0.0006 | 0.0000 | 60.000 | 0.00061 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.583 | 0.0009 | 0.0000 | 60.000 | 0.00098 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.592 | 0.0015 | 0.0000 | 60.000 | 0.00151 | 0.00000 | 0.1 | 0.1 | 0.0 | U |
| 1.600 | 0.0022 | 0.0000 | 60.000 | 0.00222 | 0.00000 | 0.1 | 0.1 | 0.0 | U |
| 1.608 | 0.0031 | 0.0000 | 60.000 | 0.00313 | 0.00000 | 0.2 | 0.2 | 0.0 | U |
| 1.617 | 0.0042 | 0.0000 | 60.000 | 0.00426 | 0.00000 | 0.3 | 0.3 | 0.0 | U |
| 1.625 | 0.0055 | 0.0000 | 60.000 | 0.00561 | 0.00000 | 0.5 | 0.5 | 0.0 | U |
| 1.633 | 0.0071 | 0.0000 | 60.000 | 0.00719 | 0.00000 | 0.7 | 0.7 | 0.0 | U |
| 1.642 | 0.0089 | 0.0000 | 60.000 | 0.00899 | 0.00000 | 0.9 | 0.9 | 0.0 | U |
| 1.650 | 0.0110 | 0.0000 | 60.000 | 0.01101 | 0.00000 | 1.2 | 1.2 | 0.0 | U |
| 1.658 | 0.0132 | 0.0000 | 60.000 | 0.01324 | 0.00000 | 1.6 | 1.6 | 0.0 | U |
| 1.667 | 0.0156 | 0.0000 | 60.000 | 0.01566 | 0.00000 | 2.0 | 2.0 | 0.0 | U |
| 1.675 | 0.0182 | 0.0000 | 60.000 | 0.01826 | 0.00000 | 2.5 | 2.5 | 0.0 | U |
| 1.683 | 0.0210 | 0.0000 | 60.000 | 0.02101 | 0.00000 | 3.1 | 3.1 | 0.0 | U |
| 1.692 | 0.0239 | 0.0000 | 60.000 | 0.02391 | 0.00000 | 3.8 | 3.8 | 0.0 | U |
| 1.700 | 0.0269 | 0.0000 | 60.001 | 0.02692 | 0.00000 | 4.5 | 4.5 | 0.0 | U |
| 1.708 | 0.0300 | 0.0000 | 60.001 | 0.03003 | 0.00000 | 5.4 | 5.4 | 0.0 | U |
| 1.717 | 0.0332 | 0.0000 | 60.001 | 0.03322 | 0.00000 | 6.3 | 6.3 | 0.0 | U |
| 1.725 | 0.0365 | 0.0000 | 60.001 | 0.03647 | 0.00000 | 7.4 | 7.4 | 0.0 | U |
| 1.733 | 0.0398 | 0.0000 | 60.001 | 0.03978 | 0.00000 | 8.5 | 8.5 | 0.0 | U |
| 1.742 | 0.0431 | 0.0000 | 60.001 | 0.04313 | 0.00000 | 9.8 | 9.8 | 0.0 | U |
| 1.750 | 0.0465 | 0.0000 | 60.001 | 0.04652 | 0.00000 | 11.1 | 11.1 | 0.0 | U |
| 1.758 | 0.0499 | 0.0000 | 60.002 | 0.04993 | 0.00000 | 12.6 | 12.6 | 0.0 | U |
| 1.767 | 0.0534 | 0.0000 | 60.002 | 0.05336 | 0.00000 | 14.1 | 14.1 | 0.0 | U |
| 1.775 | 0.0568 | 0.0000 | 60.002 | 0.05681 | 0.00000 | 15.8 | 15.8 | 0.0 | U |
| 1.783 | 0.0603 | 0.0000 | 60.002 | 0.06027 | 0.00000 | 17.5 | 17.5 | 0.0 | U |
| 1.792 | 0.0637 | 0.0000 | 60.003 | 0.06373 | 0.00000 | 19.4 | 19.4 | 0.0 | U |
| 1.800 | 0.0672 | 0.0000 | 60.003 | 0.06719 | 0.00000 | 21.3 | 21.3 | 0.0 | U |
| 1.808 | 0.0706 | 0.0000 | 60.003 | 0.07064 | 0.00000 | 23.4 | 23.4 | 0.0 | U |
| 1.817 | 0.0741 | 0.0000 | 60.003 | 0.07409 | 0.00000 | 25.6 | 25.6 | 0.0 | U |
| 1.825 | 0.0775 | 0.0000 | 60.004 | 0.07753 | 0.00000 | 27.8 | 27.8 | 0.0 | U |
| 1.833 | 0.0810 | 0.0000 | 60.004 | 0.08095 | 0.00000 | 30.2 | 30.2 | 0.0 | U |
| 1.842 | 0.0844 | 0.0000 | 60.004 | 0.08436 | 0.00000 | 32.7 | 32.7 | 0.0 | U |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $4100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Outside Recharge (flday) | Stage Elevation (fl datum) | Infilitration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume (fis) | Cumulative Infiltration Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1.850 | 0.0878 | 0.0000 | 60.005 | 0.08775 | 0.00000 | 35.3 | 35.3 | 0.0 | U |
| 1.858 | 0.0911 | 0.0000 | 60.005 | 0.09113 | 0.00000 | 38.0 | 38.0 | 0.0 | U |
| 1.867 | 0.0945 | 0.0000 | 60.005 | 0.09357 | 0.00000 | 40.8 | 40.8 | 0.0 | U |
| 1.875 | 0.0978 | 0.0000 | 82.000 | 0.09433 | 0.00000 | 43.6 | 43.6 | 0.0 | U/P |
| 1.883 | 0.1011 | 0.0000 | 82.000 | 0.09433 | 0.00000 | 46.6 | 46.4 | 0.0 | U/P |
| 1.892 | 0.1044 | 0.0000 | 82.000 | 0.09434 | 0.00000 | 49.7 | 49.2 | 0.0 | U/P |
| 1.900 | 0.1077 | 0.0000 | 82.001 | 0.09436 | 0.00000 | 52.9 | 52.1 | 0.0 | U/P |
| 1.908 | 0.1109 | 0.0000 | 82.001 | 0.09437 | 0.00000 | 56.2 | 54.9 | 0.0 | U/P |
| 1.917 | 0.1142 | 0.0000 | 82.001 | 0.09439 | 0.00000 | 59.5 | 57.7 | 0.0 | U/P |
| $\uparrow .925$ | 0.1174 | 0.0000 | 82.002 | 0.09442 | 0.00000 | 63.0 | 60.6 | 0.0 | $\mathrm{U} / \mathrm{P}$ |
| 1.933 | 0.1205 | 0.0000 | 82.002 | 0.09445 | 0.00000 | 66.6 | 63.4 | 0.0 | U/P |
| 1.942 | 0.1237 | 0.0000 | 82.002 | 0.09448 | 0.00000 | 70.2 | 66.2 | 0.0 | U/P |
| 1.950 | 0.1268 | 0.0000 | 82.003 | 0.09451 | 0.00000 | 74.0 | 69.1 | 0.0 | U/P |
| 1.958 | 0.1299 | 0.0000 | 82.004 | 0.09455 | 0.00000 | 77.9 | 71.9 | 0.0 | U/P |
| 1.967 | 0.1330 | 0.0000 | 82.004 | 0.09460 | 0.00000 | 81.8 | 74.7 | 0.0 | U/P |
| 1.975 | 0.1360 | 0.0000 | 82.005 | 0.09464 | 0.00000 | 85.8 | 77.6 | 0.0 | U/P |
| 1.983 | 0.1390 | 0.0000 | 82.006 | 0.09470 | 0.00000 | 90.0 | 80.4 | 0.0 | U/P |
| 1.992 | 0.1420 | 0.0000 | 82.007 | 0.09475 | 0.00000 | 94.2 | 83.3 | 0.0 | U/P |
| 2.000 | 0.1451 | 0.0000 | 82.008 | 0.09481 | 0.00000 | 98.5 | 86.1 | 0.0 | U/P |
| 2.008 | 0.1483 | 0.0000 | 82.009 | 0.09487 | 0.00000 | 102.9 | 89.0 | 0.0 | U/P |
| 2.017 | 0.1518 | 0.0000 | 82.010 | 0.09494 | 0.00000 | 107.4 | 91.8 | 0.0 | U/P |
| 2.025 | 0.1556 | 0.0000 | 82.011 | 0.09501 | 0.00000 | 112.0 | 94.6 | 0.0 | U/P |
| 2.033 | 0.1598 | 0.0000 | 82.012 | 0.09508 | 0.00000 | 116.7 | 97.5 | 0.0 | U/P |
| 2.042 | 0.1646 | 0.0000 | 82.013 | 0.09516 | 0.00000 | 121.6 | 100.4 | 0.0 | U/P |
| 2.050 | 0.1699 | 0.0000 | 82.014 | 0.09525 | 0.00000 | 126.6 | 103.2 | 0.0 | U/P |
| 2.058 | 0.1760 | 0.0000 | 82.016 | 0.09534 | 0.00000 | 131.8 | 106.1 | 0.0 | U/P |
| 2.067 | 0.1827 | 0.0000 | 82.017 | 0.09544 | 0.00000 | 137.2 | 108.9 | 0.0 | U/P |
| 2.075 | 0.1899 | 0.0000 | 82.019 | 0.09554 | 0.00000 | 142.8 | 111.8 | 0.0 | U/P |
| 2.083 | 0.1975 | 0.0000 | 82.021 | 0.09566 | 0.00000 | 148.6 | 114.7 | 0.0 | U/P |
| 2.092 | 0.2055 | 0.0000 | 82.023 | 0.09578 | 0.00000 | 154.6 | 117.5 | 0.0 | U/P |
| 2.100 | 0.2136 | 0.0000 | 82.025 | 0.09592 | 0.00000 | 160.9 | 120.4 | 0.0 | U/P |
| 2.108 | 0.2218 | 0.0000 | 82.027 | 0.09606 | 0.00000 | 167.4 | 123.3 | 0.0 | U/P |
| 2.117 | 0.2301 | 0.0000 | 82.029 | 0.09621 | 0.00000 | 174.2 | 126.2 | 0.0 | U/P |
| 2.125 | 0.2382 | 0.0000 | 82.032 | 0.09638 | 0.00000 | 181.2 | 129.1 | 0.0 | U/P |
| 2.133 | 0.2462 | 0.0000 | 82.034 | 0.09655 | 0.00000 | 188.5 | 132.0 | 0.0 | U/P |
| 2.142 | 0.2540 | 0.0000 | 82.037 | 0.09673 | 0.00000 | 196.0 | 134.9 | 0.0 | U/P |
| 2.150 | 0.2616 | 0.0000 | 82.040 | 0.09692 | 0.00000 | 203.7 | 137.8 | 0.0 | U/P |
| 2.158 | 0.2690 | 0.0000 | 82.043 | 0.09712 | 0.00000 | 211.7 | 140.7 | 0.0 | U/P |
| 2.167 | 0.2759 | 0.0000 | 82.046 | 0.09733 | 0.00000 | 219.8 | 143.6 | 0.0 | U/P |
| 2.175 | 0.2826 | 0.0000 | 82.049 | 0.09754 | 0.00000 | 228.3 | 146.5 | 0.0 | U/P |
| 2.183 | 0.2889 | 0.0000 | 82.053 | 0.09776 | 0.00000 | 236.8 | 149.4 | 0.0 | U/P |
| 2.192 | 0.2950 | 0.0000 | 82.056 | 0.09799 | 0.00000 | 245.6 | 152.4 | 0.0 | U/P |
| 2.200 | 0.3009 | 0.0000 | 82.060 | 0.09822 | 0.00000 | 254.5 | 155.3 | 0.0 | U/P |
| 2.208 | 0.3066 | 0.0000 | 82.063 | 0.09847 | 0.00000 | 263.6 | 158.3 | 0.0 | U/P |
| 2.217 | 0.3122 | 0.0000 | 82.067 | 0.09871 | 0.00000 | 272.9 | 161.2 | 0.0 | U/P |
| 2.225 | 0.3176 | 0.0000 | 82.071 | 0.09896 | 0.00000 | 282.4 | 164.2 | 0.0 | U/P |
| 2.233 | 0.3229 | 0.0000 | 82.075 | 0.09922 | 0.00000 | 292.0 | 167.2 | 0.0 | U/P |
| 2.242 | 0.3281 | 0.0000 | 82.079 | 0.09949 | 0.00000 | 301.7 | 170.1 | 0.0 | U/P |
| 2.250 | 0.3331 | 0.0000 | 82.083 | 0.09975 | 0.00000 | 311.7 | 173.1 | 0.0 | U/P |
| 2.258 | 0.3380 | 0.0000 | 82.087 | 0.10003 | 0.00000 | 321.7 | 176.1 | 0.0 | U/P |
| 2.267 | 0.3428 | 0.0000 | 82.091 | 0.10031 | 0.00000 | 331.9 | 179.1 | 0.0 | U/P |
| 2.275 | 0.3476 | 0.0000 | 82.095 | 0.10059 | 0.00000 | 342.3 | 182.1 | 0.0 | U/P |
| 2.283 | 0.3522 | 0.0000 | 82.099 | 0.10087 | 0.00000 | 352.8 | 185.2 | 0.0 | U/P |
| 2.292 | 0.3567 | 0.0000 | 82.104 | 0.10117 | 0.00000 | 363.4 | 188.2 | 0.0 | U/P |
| 2.300 | 0.3612 | 0.0000 | 82.108 | 0.10146 | 0.00000 | 374.2 | 191.2 | 0.0 | U/P |
| 2.308 | 0.3655 | 0.0000 | 82.113 | 0.10176 | 0.00000 | 385.1 | 194.3 | 0.0 | U/P |
| 2.317 | 0.3699 | 0.0000 | 82.117 | 0.10206 | 0.00000 | 396.1 | 197.3 | 0.0 | U/P |
| 2.325 | 0.3741 | 0.0000 | 82.122 | 0.10237 | 0.00000 | 407.3 | 200.4 | 0.0 | U/P |
| 2.333 | 0.3783 | 0.0000 | 82.126 | 0.10268 | 0.00000 | 418.6 | 203.5 | 0.0 | U/P |
| 2.342 | 0.3824 | 0.0000 | 82.131 | 0.10299 | 0.00000 | 430.0 | 206.6 | 0.0 | U/P |
| 2.350 | 0.3864 | 0.0000 | 82.136 | 0.10331 | 0.00000 | 441.5 | 209.7 | 0.0 | U/P |
| 2.358 | 0.3904 | 0.0000 | 82.140 | 0.10363 | 0.00000 | 453.2 | 212.8 | 0.0 | U/P |
| 2.367 | 0.3943 | 0.0000 | 82.145 | 0.10395 | 0.00000 | 464.9 | 215.9 | 0.0 | U/P |
| 2.375 | 0.3982 | 0.0000 | 82.150 | 0.10428 | 0.00000 | 476.8 | 219.0 | 0.0 | U/P |
| 2.383 | 0.4020 | 0.0000 | 82.155 | 0.10461 | 0.00000 | 488.8 | 222.1 | 0.0 | U/P |
| 2.392 | 0.4058 | 0.0000 | 82.160 | 0.10494 | 0.00000 | 500.9 | 225.3 | 0.0 | U/P |
| 2.400 | 0.4095 | 0.0000 | 82.165 | 0.10527 | 0.00000 | 513.2 | 228.4 | 0.0 | U/P |
| 2.408 | 0.4132 | 0.0000 | 82.170 | 0.10561 | 0.00000 | 525.5 | 231.6 | 0.0 | U/P |
| 2.417 | 0.4169 | 0.0000 | 82.175 | 0.10595 | 0.00000 | 538.0 | 234.8 | 0.0 | U/P |
| 2.425 | 0.4205 | 0.0000 | 82.180 | 0.10629 | 0.00000 | 550.5 | 238.0 | 0.0 | U/P |
| 2.433 | 0.4240 | 0.0000 | 82.185 | 0.10664 | 0.00000 | 563.2 | 241.2 | 0.0 | U/P |
| 2.442 | 0.4275 | 0.0000 | 82.190 | 0.10699 | 0.00000 | 576.0 | 244.4 | 0.0 | U/P |
| 2.450 | 0.4310 | 0.0000 | 82.196 | 0.10734 | 0.00000 | 588.9 | 247.6 | 0.0 | U/P |
| 2.458 | 0.4344 | 0.0000 | 82.201 | 0.10769 | 0.00000 | 601.8 | 250.8 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $4100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (fl/day) | Stage Elevation (ft datum) | Infitration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2.467 | 0.4378 | 0.0000 | 82.206 | 0.10804 | 0.00000 | 614.9 | 254.0 | 0.0 | U/P |
| 2.475 | 0.4412 | 0.0000 | 82.212 | 0.10840 | 0.00000 | 628.1 | 257.3 | 0.0 | U/P |
| 2.483 | 0.4445 | 0.0000 | 82.217 | 0.10876 | 0.00000 | 641.4 | 260.5 | 0.0 | U/P |
| 2.492 | 0.4478 | 0.0000 | 82.222 | 0.10912 | 0.00000 | 654.8 | 263.8 | 0.0 | U/P |
| 2.500 | 0.4511 | 0.0000 | 82.228 | 0.10948 | 0.00000 | 668.3 | 267.1 | 0.0 | U/P |
| 2.508 | 0.4548 | 0.0000 | 82.233 | 0.10984 | 0.00000 | 681.8 | 270.4 | 0.0 | U/P |
| 2.517 | 0.4588 | 0.0000 | 82.239 | 0.11021 | 0.00000 | 695.5 | 273.7 | 0.0 | U/P |
| 2.525 | 0.4634 | 0.0000 | 82.244 | 0.11058 | 0.00000 | 709.4 | 277.0 | 0.0 | U/P |
| 2.533 | 0.4687 | 0.0000 | 82.250 | 0.11095 | 0.00000 | 723.4 | 280.3 | 0.0 | U/P |
| 2.542 | 0.4750 | 0.0000 | 82.255 | 0.11133 | 0.00000 | 737.5 | 283.6 | 0.0 | U/P |
| 2.550 | 0.4824 | 0.0000 | 82.261 | 0.11171 | 0.00000 | 751.9 | 287.0 | 0.0 | U/P |
| 2.558 | 0.4911 | 0.0000 | 82.267 | 0.11210 | 0.00000 | 766.5 | 290.3 | 0.0 | U/P |
| 2.567 | 0.5010 | 0.0000 | 82.273 | 0.11249 | 0.00000 | 781.4 | 293.7 | 0.0 | U/P |
| 2.575 | 0.5120 | 0.0000 | 82.279 | 0.11290 | 0.00000 | 796.6 | 297.1 | 0.0 | $U / \mathrm{P}$ |
| 2.583 | 0.5239 | 0.0000 | 82.285 | 0.11331 | 0.00000 | 812.1 | 300.5 | 0.0 | U/P |
| 2.592 | 0.5363 | 0.0000 | 82.291 | 0.11373 | 0.00000 | 828.0 | 303.9 | 0.0 | U/P |
| 2.600 | 0.5491 | 0.0000 | 82.298 | 0.11417 | 0.00000 | 844.3 | 307.3 | 0.0 | U/P |
| 2.608 | 0.5620 | 0.0000 | 82.304 | 0.11461 | 0.00000 | 860.9 | 310.7 | 0.0 | U/P |
| 2.617 | 0.5749 | 0.0000 | 82.311 | 0.11507 | 0.00000 | 878.0 | 314.2 | 0.0 | U/P |
| 2.625 | 0.5875 | 0.0000 | 82.318 | 0.17553 | 0.00000 | 895.4 | 317.6 | 0.0 | U/P |
| 2.633 | 0.5998 | 0.0000 | 82.325 | 0.11601 | 0.00000 | 913.2 | 321.1 | 0.0 | U/P |
| 2.642 | 0.6116 | 0.0000 | 82.333 | 0.11650 | 0.00000 | 931.4 | 324.6 | 0.0 | U/P |
| 2.650 | 0.6229 | 0.0000 | 82.340 | 0.11699 | 0.00000 | 949.9 | 328.1 | 0.0 | U/P |
| 2.658 | 0.6336 | 0.0000 | 82.348 | 0.11750 | 0.00000 | 968.8 | 331.6 | 0.0 | U/P |
| 2.667 | 0.6435 | 0.0000 | 82.355 | 0.11801 | 0.00000 | 987.9 | 335.2 | 0.0 | $U / P$ |
| 2.675 | 0.6527 | 0.0000 | 82.363 | 0.11853 | 0.00000 | 1007.4 | 338.7 | 0.0 | U/P |
| 2.683 | 0.6611 | 0.0000 | 82.371 | 0.11905 | 0.00000 | 1027.1 | 342.3 | 0.0 | U/P |
| 2.692 | 0.6690 | 0.0000 | 82.379 | 0.11959 | 0.00000 | 1047.0 | 345.9 | 0.0 | U/P |
| 2.700 | 0.6765 | 0.0000 | 82.387 | 0.12012 | 0.00000 | 1067.2 | 349.4 | 0.0 | U/P |
| 2.708 | 0.6836 | 0.0000 | 82.395 | 0.12066 | 0.00000 | 1087.6 | 353.1 | 0.0 | U/P |
| 2.717 | 0.6902 | 0.0000 | 82.403 | 0.12121 | 0.00000 | 1108.2 | 356.7 | 0.0 | U/P |
| 2.725 | 0.6966 | 0.0000 | 82.411 | 0.12175 | 0.00000 | 1129.0 | 360.3 | 0.0 | U/P |
| 2.733 | 0.7027 | 0.0000 | 82.419 | 0.12231 | 0.00000 | 1150.0 | 364.0 | 0.0 | U/P |
| 2.742 | 0.7086 | 0.0000 | 82.428 | 0.12286 | 0.00000 | 1171.2 | 367.7 | 0.0 | U/P |
| 2.750 | 0.7142 | 0.0000 | 82.436 | 0.12341 | 0.00000 | 1192.5 | 371.4 | 0.0 | U/P |
| 2.758 | 0.7195 | 0.0000 | 82.444 | 0.12397 | 0.00000 | 1214.0 | 375.1 | 0.0 | U/P |
| 2.767 | 0.7247 | 0.0000 | 82.453 | 0.12453 | 0.00000 | 1235.7 | 378.8 | 0.0 | U/P |
| 2.775 | 0.7297 | 0.0000 | 82.461 | 0.12510 | 0.00000 | 1257.5 | 382.5 | 0.0 | U/P |
| 2.783 | 0.7345 | 0.0000 | 82.469 | 0.12566 | 0.00000 | 1279.5 | 386.3 | 0.0 | U/P |
| 2.792 | 0.7392 | 0.0000 | 82.478 | 0.12623 | 0.00000 | 1301.6 | 390.1 | 0.0 | U/P |
| 2.800 | 0.7437 | 0.0000 | 82.486 | 0.12679 | 0.00000 | 1323.8 | 393.9 | 0.0 | U/P |
| 2.808 | 0.7481 | 0.0000 | 82.495 | 0.12736 | 0.00000 | 1346.2 | 397.7 | 0.0 | U/P |
| 2.817 | 0.7524 | 0.0000 | 82.503 | 0.12793 | 0.00000 | 1368.7 | 401.5 | 0.0 | U/P |
| 2.825 | 0.7566 | 0.0000 | 82.511 | 0.12850 | 0.00000 | 1391.4 | 405.4 | 0.0 | U/P |
| 2.833 | 0.7606 | 0.0000 | 82.520 | 0.12907 | 0.00000 | 1414.1 | 409.2 | 0.0 | U/P |
| 2.842 | 0.7646 | 0.0000 | 82.528 | 0.12964 | 0.00000 | 1437.0 | 413.1 | 0.0 | U/P |
| 2.850 | 0.7685 | 0.0000 | 82.537 | 0.13021 | 0.00000 | 1460.0 | 417.0 | 0.0 | U/P |
| 2.858 | 0.7723 | 0.0000 | 82.545 | 0.13078 | 0.00000 | 1483.1 | 420.9 | 0.0 | U/P |
| 2.867 | 0.7760 | 0.0000 | 82.554 | 0.13136 | 0.00000 | 1506.3 | 424.9 | 0.0 | U/P |
| 2.875 | 0.7797 | 0.0000 | 82.562 | 0.13193 | 0.00000 | 1529.7 | 428.8 | 0.0 | U/P |
| 2.883 | 0.7833 | 0.0000 | 82.571 | 0.13250 | 0.00000 | 1553.1 | 432.8 | 0.0 | U/P |
| 2.892 | 0.7868 | 0.0000 | 82.579 | 0.13307 | 0.00000 | 1576.7 | 436.8 | 0.0 | U/P |
| 2.900 | 0.7903 | 0.0000 | 82.588 | 0.13365 | 0.00000 | 1600.3 | 440.8 | 0.0 | U/P |
| 2.908 | 0.7937 | 0.0000 | 82.596 | 0.13422 | 0.00000 | 1624.1 | 444.8 | 0.0 | U/P |
| 2.917 | 0.7971 | 0.0000 | 82.605 | 0.13479 | 0.00000 | 1647.9 | 448.8 | 0.0 | U/P |
| 2.925 | 0.8004 | 0.0000 | 82.613 | 0.13537 | 0.00000 | 1671.9 | 452.9 | 0.0 | U/P |
| 2.933 | 0.8037 | 0.0000 | 82.622 | 0.13594 | 0.00000 | 1696.0 | 456.9 | 0.0 | U/P |
| 2.942 | 0.8069 | 0.0000 | 82.631 | 0.13651 | 0.00000 | 1720.1 | 461.0 | 0.0 | U/P |
| 2.950 | 0.8101 | 0.0000 | 82.639 | 0.13709 | 0.00000 | 1744.4 | 465.1 | 0.0 | U/P |
| 2.958 | 0.8132 | 0.0000 | 82.648 | 0.13766 | 0.00000 | 1768.7 | 469.2 | 0.0 | U/P |
| 2.967 | 0.8163 | 0.0000 | 82.656 | 0.13823 | 0.00000 | 1793.2 | 473.4 | 0.0 | U/P |
| 2.975 | 0.8193 | 0.0000 | 82.665 | 0.13880 | 0.00000 | 1817.7 | 477.5 | 0.0 | U/P |
| 2.983 | 0.8223 | 0.0000 | 82.673 | 0.13938 | 0.00000 | 1842.3 | 481.7 | 0.0 | U/P |
| 2.992 | 0.8253 | 0.0000 | 82.682 | 0.13995 | 0.00000 | 1867.0 | 485.9 | 0.0 | U/P |
| 3.000 | 0.8282 | 0.0000 | 82.690 | 0.14052 | 0.00000 | 1891.8 | 490.1 | 0.0 | U/P |
| 3.008 | 0.8320 | 0.0000 | 82.698 | 0.14109 | 0.00000 | 1916.7 | 494.3 | 0.0 | U/P |
| 3.017 | 0.8372 | 0.0000 | 82.707 | 0.14166 | 0.00000 | 1941.8 | 498.6 | 0.0 | U/P |
| 3.025 | 0.8446 | 0.0000 | 82.715 | 0.14224 | 0.00000 | 1967.0 | 502.8 | 0.0 | U/P |
| 3.033 | 0.8544 | 0.0000 | 82.724 | 0.14281 | 0.00000 | 1992.5 | 507.1 | 0.0 | U/P |
| 3.042 | 0.8676 | 0.0000 | 82.733 | 0.14340 | 0.00000 | 2018.3 | 511.4 | 0.0 | U/P |
| 3.050 | 0.8849 | 0.0000 | 82.742 | 0.14399 | 0.00000 | 2044.6 | 515.7 | 0.0 | U/P |
| 3.058 | 0.9069 | 0.0000 | 82.751 | 0.14459 | 0.00000 | 2071.5 | 520.0 | 0.0 | U/P |
| 3.067 | 0.9343 | 0.0000 | 82.760 | 0.14520 | 0.00000 | 2099.1 | 524.4 | 0.0 | U/P |
| 3.075 | 0.9663 | 0.0000 | 82.769 | 0.14584 | 0.00000 | 2127.6 | 528.8 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $4100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (fidday) | Stage Elevation (ft datum) | Infitration Rate ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 3.083 | 1.0020 | 0.0000 | 82.779 | 0.14650 | 0.00000 | 2157.1 | 533.1 | 0.0 | U/P |
| 3.092 | 1.0404 | 0.0000 | 82.790 | 0.14718 | 0.00000 | 2187.8 | 537.5 | 0.0 | U/P |
| 3.100 | 1.0807 | 0.0000 | 82.800 | 0.14789 | 0.00000 | 2219.6 | 542.0 | 0.0 | U/P |
| 3.108 | 1.1215 | 0.0000 | 82.812 | 0.14862 | 0.00000 | 2252.6 | 546.4 | 0.0 | U/P |
| 3.117 | 1.1624 | 0.0000 | 82.823 | 0.14939 | 0.00000 | 2286.9 | 550.9 | 0.0 | U/P |
| 3.125 | 1.2028 | 0.0000 | 82.835 | 0.15018 | 0.00000 | 2322.4 | 555.4 | 0.0 | U/P |
| 3.133 | 1.2417 | 0.0000 | 82,847 | 0.15099 | 0.00000 | 2359.0 | 559.9 | 0.0 | U/P |
| 3.142 | 1.2789 | 0.0000 | 82.860 | 0.15184 | 0.00000 | 2396.8 | 564.4 | 0.0 | U/P |
| 3.150 | 1.3141 | 0.0000 | 82.873 | 0.15270 | 0.00000 | 2435.7 | 569.0 | 0.0 | U/P |
| 3.158 | 1.3471 | 0.0000 | 82.886 | 0.15359 | 0.00000 | 2475.7 | 573.6 | 0.0 | U/P |
| 3.167 | 1.3774 | 0.0000 | 82.900 | 0.15449 | 0.00000 | 2516.5 | 578.2 | 0.0 | U/P |
| 3.175 | 1.4044 | 0.0000 | 82.914 | 0.15542 | 0.00000 | 2558.2 | 582.9 | 0.0 | U/P |
| 3.183 | 1.4286 | 0.0000 | 82.928 | 0.15635 | 0.00000 | 2600.7 | 587.5 | 0.0 | U/P |
| 3.192 | 1.4504 | 0.0000 | 82.942 | 0.15730 | 0.00000 | 2643.9 | 592.3 | 0.0 | U/P |
| 3.200 | 1.4703 | 0.0000 | 82.956 | 0.15826 | 0.00000 | 2687.7 | 597.0 | 0.0 | U/P |
| 3.208 | 1.4885 | 0.0000 | 82.971 | 0.15922 | 0.00000 | 2732.1 | 601.7 | 0.0 | U/P |
| 3.217 | 1.5052 | 0.0000 | 82.985 | 0.16020 | 0.00000 | 2777.0 | 606.5 | 0.0 | U/P |
| 3.225 | 1.5207 | 0.0000 | 83.000 | 0.16118 | 0.00000 | 2822.4 | 611.4 | 0.0 | U/P |
| 3.233 | 1.5351 | 0.0000 | 83.014 | 0.16226 | 0.00000 | 2868.3 | 616.2 | 0.0 | U/P |
| 3.242 | 1.5485 | 0.0000 | 83.029 | 0.16346 | 0.00000 | 2914.5 | 621.1 | 0.0 | U/P |
| 3.250 | 1.5610 | 0.0000 | 83.044 | 0.16466 | 0.00000 | 2961.1 | 626.0 | 0.0 | U/P |
| 3.258 | 1.5727 | 0.0000 | 83.058 | 0.16587 | 0.00000 | 3008.2 | 631.0 | 0.0 | U/P |
| 3.267 | 1.5834 | 0.0000 | 83.073 | 0.16707 | 0.00000 | 3055.5 | 636.0 | 0.0 | U/P |
| 3.275 | 1.5936 | 0.0000 | 83.088 | 0.16827 | 0.00000 | 3103.1 | 641.0 | 0.0 | U/P |
| 3.283 | 1.6031 | 0.0000 | 83.102 | 0.16947 | 0.00000 | 3151.1 | 646.1 | 0.0 | U/P |
| 3.292 | 1.6121 | 0.0000 | 83.117 | 0.17067 | 0.00000 | 3199.3 | 651.2 | 0.0 | U/P |
| 3.300 | 1.6206 | 0.0000 | 83.131 | 0.17187 | 0.00000 | 3247.8 | 656.3 | 0.0 | U/P |
| 3.308 | 1.6287 | 0.0000 | 83.146 | 0.17307 | 0.00000 | 3296.6 | 661.5 | 0.0 | U/P |
| 3.317 | 1.6363 | 0.0000 | 83.161 | 0.17426 | 0.00000 | 3345.5 | 666.7 | 0.0 | U/P |
| 3.325 | 1.6436 | 0.0000 | 83.175 | 0.17545 | 0.00000 | 3394.7 | 671.9 | 0.0 | U/P |
| 3.333 | 1.6505 | 0.0000 | 83.190 | 0.17664 | 0.00000 | 3444.1 | 677.2 | 0.0 | U/P |
| 3.342 | 1.6572 | 0.0000 | 83.204 | 0.17782 | 0.00000 | 3493.8 | 682.5 | 0.0 | U/P |
| 3.350 | 1.6635 | 0.0000 | 83.218 | 0.17900 | 0.00000 | 3543.6 | 687.9 | 0.0 | U/P |
| 3.358 | 1.6697 | 0.0000 | 83.233 | 0.18018 | 0.00000 | 3593.6 | 693.3 | 0.0 | U/P |
| 3.367 | 1.6756 | 0.0000 | 83.247 | $0 .\{8135$ | 0.00000 | 3643.7 | 698.7 | 0.0 | U/P |
| 3.375 | 1.6813 | 0.0000 | 83.261 | 0.18252 | 0.00000 | 3694.1 | 704.2 | 0.0 | U/P |
| 3.383 | 1.6868 | 0.0000 | 83.275 | 0.18369 | 0.00000 | 3744.6 | 709.6 | 0.0 | U/P |
| 3.392 | 1.6921 | 0.0000 | 83.289 | 0.18485 | 0.00000 | 3795.3 | 715.2 | 0.0 | U/P |
| 3.400 | 1.6973 | 0.0000 | 83.304 | 0.18600 | 0.00000 | 3846.1 | 720.7 | 0.0 | U/P |
| 3.408 | 1.7023 | 0.0000 | 83.318 | 0.18716 | 0.00000 | 3897.1 | 726.3 | 0.0 | U/P |
| 3.417 | 1.7072 | 0.0000 | 83.332 | 0.18831 | 0.00000 | 3948.3 | 732.0 | 0.0 | U/P |
| 3.425 | 1.7119 | 0.0000 | 83.346 | 0.18945 | 0.00000 | 3999.6 | 737.6 | 0.0 | U/P |
| 3.433 | 1.7166 | 0.0000 | 83.359 | 0.19059 | 0.00000 | 4051.0 | 743.3 | 0.0 | U/P |
| 3.442 | 1.7211 | 0.0000 | 83.373 | 0.19173 | 0.00000 | 4102.6 | 749.1 | 0.0 | U/P |
| 3.450 | 1.7255 | 0.0000 | 83.387 | 0.19286 | 0.00000 | 4154.3 | 754.8 | 0.0 | U/P |
| 3.458 | 1.7298 | 0.0000 | 83.401 | 0.19399 | 0.00000 | 4206.1 | 760.6 | 0.0 | U/P |
| 3.467 | 1.7341 | 0.0000 | 83.414 | 0.19511 | 0.00000 | 4258.0 | 766.5 | 0.0 | U/P |
| 3.475 | 1.7382 | 0.0000 | 83.428 | 0.19623 | 0.00000 | 4310.1 | 772.3 | 0.0 | U/P |
| 3.483 | 1.7423 | 0.0000 | 83.442 | 0.19735 | 0.00000 | 4362.3 | 778.3 | 0.0 | U/P |
| 3.492 | 1.7463 | 0.0000 | 83.455 | 0.19846 | 0.00000 | 4414.7 | 784.2 | 0.0 | U/P |
| 3.500 | 1.7501 | 0.0000 | 83.469 | 0.19957 | 0.00000 | 4467.1 | 790.2 | 0.0 | U/P |
| 3.508 | 1.7541 | 0.0000 | 83.482 | 0.20067 | 0.00000 | 4519.7 | 796.2 | 0.0 | U/P |
| 3.517 | 1.7585 | 0.0000 | 83.495 | 0.20177 | 0.00000 | 4572.4 | 802.2 | 0.0 | U/P |
| 3.525 | 1.7635 | 0.0000 | 83.509 | 0.20286 | 0.00000 | 4625.2 | 808.3 | 0.0 | U/P |
| 3.533 | 1.7694 | 0.0000 | 83.522 | 0.20396 | 0.00000 | 4678.2 | 814.4 | 0.0 | U/P |
| 3.542 | 1.7764 | 0.0000 | 83.535 | 0.20505 | 0.00000 | 4731.4 | 820.5 | 0.0 | U/P |
| 3.550 | 1.7847 | 0.0000 | 83.549 | 0.20613 | 0.00000 | 4784.8 | 826.7 | 0.0 | U/P |
| 3.558 | 1.7948 | 0.0000 | 83.562 | 0.20722 | 0.00000 | 4838.5 | 832.9 | 0.0 | U/P |
| 3.567 | 1.8067 | 0.0000 | 83.575 | 0.20831 | 0.00000 | 4892.5 | 839.1 | 0.0 | U/P |
| 3.575 | 1.8206 | 0.0000 | 83.588 | 0.20940 | 0.00000 | 4946.9 | 845.4 | 0.0 | U/P |
| 3.583 | 1.8360 | 0.0000 | 83.602 | 0.21049 | 0.00000 | 5001.8 | 851.7 | 0.0 | U/P |
| 3.592 | 1.8526 | 0.0000 | 83.615 | 0.21159 | 0.00000 | 5057.1 | 858.0 | 0.0 | U/P |
| 3.600 | 1.8700 | 0.0000 | 83.629 | 0.21269 | 0.00000 | 5112.9 | 864.4 | 0.0 | U/P |
| 3.608 | 1.8878 | 0.0000 | 83.642 | 0.21380 | 0.00000 | 5169.3 | 870.8 | 0.0 | U/P |
| 3.617 | 1.9056 | 0.0000 | 83.656 | 0.21491 | 0.00000 | 5226.2 | 877.2 | 0.0 | U/P |
| 3.625 | 1.9232 | 0.0000 | 83.669 | 0.21603 | 0.00000 | 5283.6 | 883.7 | 0.0 | U/P |
| 3.633 | 1.9404 | 0.0000 | 83.683 | 0.21715 | 0.00000 | 5341.6 | 890.2 | 0.0 | U/P |
| 3.642 | 1.9569 | 0.0000 | 83.697 | 0.21828 | 0.00000 | 5400.0 | 896.7 | 0.0 | U/P |
| 3.650 | 1.9725 | 0.0000 | 83.711 | 0.21941 | 0.00000 | 5459.0 | 903.3 | 0.0 | U/P |
| 3.658 | 1.9873 | 0.0000 | 83.725 | 0.22054 | 0.00000 | 5518.4 | 909.9 | 0.0 | U/P |
| 3.667 | 2.0010 | 0.0000 | 83.738 | 0.22168 | 0.00000 | 5578.2 | 916.5 | 0.0 | U/P |
| 3.675 | 2.0135 | 0.0000 | 83.752 | 0.22282 | 0.00000 | 5638.4 | 923.2 | 0.0 | U/P |
| 3.683 | 2.0248 | 0.0000 | 83.766 | 0.22396 | 0.00000 | 5699.0 | 929.9 | 0.0 | U/P |
| 3.692 | 2.0349 | 0.0000 | 83.780 | 0.22510 | 0.00000 | 5759.9 | 936.6 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 4100 yr/24 hr

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}{ }^{3} / \mathrm{s}$ ) | Outside Recharge (f/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Overfow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{tt}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 3.700 | 2.0442 | 0.0000 | 83.794 | 0.22624 | 0.00000 | 5821.1 | 943.4 | 0.0 | U/P |
| 3.708 | 2.0528 | 0.0000 | 83.808 | 0.22738 | 0.00000 | 5882.5 | 950.2 | 0.0 | U/P |
| 3.717 | 2.0607 | 0.0000 | 83.822 | 0.22852 | 0.00000 | 5944.2 | 957.0 | 0.0 | U/P |
| 3.725 | 2.0680 | 0.0000 | 83.836 | 0.22966 | 0.00000 | 6006.2 | 963.9 | 0.0 | U/P |
| 3.733 | 2.0749 | 0.0000 | 83.850 | 0.23080 | 0.00000 | 6068.3 | 970.8 | 0.0 | U/P |
| 3.742 | 2.0813 | 0.0000 | 83.864 | 0.23193 | 0.00000 | 6130.7 | 977.7 | 0.0 | U/P |
| 3.750 | 2.0873 | 0.0000 | 83.877 | 0.23306 | 0.00000 | 6193.2 | 984.7 | 0.0 | U/P |
| 3.758 | 2.0930 | 0.0000 | 83.891 | 0.23419 | 0.00000 | 6255.9 | 991.7 | 0.0 | U/P |
| 3.767 | 2.0983 | 0.0000 | 83.905 | 0.23532 | 0.00000 | 6318.8 | 998.8 | 0.0 | U/P |
| 3.775 | 2.1033 | 0.0000 | 83.918 | 0.23645 | 0.00000 | 6381.8 | 1005.8 | 0.0 | U/P |
| 3.783 | 2.1080 | 0.0000 | 83.932 | 0.23757 | 0.00000 | 6444.9 | 1012.9 | 0.0 | U/P |
| 3.792 | 2.1125 | 0.0000 | 83.946 | 0.23869 | 0.00000 | 6508.3 | 1020.1 | 0.0 | U/P |
| 3.800 | 2.1168 | 0.0000 | 83.959 | 0.23980 | 0.00000 | 6571.7 | 1027.3 | 0.0 | U/P |
| 3.808 | 2.1208 | 0.0000 | 83.973 | 0.24091 | 0.00000 | 6635.3 | 1034.5 | 0.0 | U/P |
| 3.817 | 2.1247 | 0.0000 | 83.986 | 0.24202 | 0.00000 | 6698.9 | 1041.7 | 0.0 | U/P |
| 3.825 | 2.1285 | 0.0000 | 84.000 | 0.24313 | 0.00000 | 6762.7 | 1049.0 | 0.0 | U/P |
| 3.833 | 2.1321 | 0.0000 | 84.013 | 0.24432 | 0.00000 | 6826.6 | 1056.3 | 0.0 | U/P |
| 3.842 | 2.1355 | 0.0000 | 84.027 | 0.24562 | 0.00000 | 6890.7 | 1063.7 | 0.0 | U/P |
| 3.850 | 2.1388 | 0.0000 | 84.040 | 0.24691 | 0.00000 | 6954.8 | 1071.0 | 0.0 | U/P |
| 3.858 | 2.1420 | 0.0000 | 84.053 | 0.24819 | 0.00000 | 7019.0 | 1078.5 | 0.0 | U/P |
| 3.867 | 2.1452 | 0.0000 | 84.066 | 0.24947 | 0.00000 | 7083.3 | 1085.9 | 0.0 | U/P |
| 3.875 | 2.1482 | 0.0000 | 84.079 | 0.25074 | 0.00000 | 7147.7 | 1093.4 | 0.0 | U/P |
| 3.883 | 2.1511 | 0.0000 | 84.093 | 0.25201 | 0.00000 | 7212.2 | 1101.0 | 0.0 | U/P |
| 3.892 | 2.1540 | 0.0000 | 84.106 | 0.25327 | 0.00000 | 7276.8 | 1108.6 | 0.0 | U/P |
| 3.900 | 2.1568 | 0.0000 | 84.119 | 0.25452 | 0.00000 | 7341.4 | 1116.2 | 0.0 | U/P |
| 3.908 | 2.1595 | 0.0000 | 84.131 | 0.25578 | 0.00000 | 7406.2 | 1123.8 | 0.0 | U/P |
| 3.917 | 2.1622 | 0.0000 | 84.144 | 0.25702 | 0.00000 | 7471.0 | 1131.5 | 0.0 | U/P |
| 3.925 | 2.1647 | 0.0000 | 84.157 | 0.25826 | 0.00000 | 7535.9 | 1139.2 | 0.0 | U/P |
| 3.933 | 2.1673 | 0.0000 | 84.170 | 0.25950 | 0.00000 | 7600.9 | 1147.0 | 0.0 | U/P |
| 3.942 | 2.1698 | 0.0000 | 84.183 | 0.26073 | 0.00000 | 7665.9 | 1154.8 | 0.0 | U/P |
| 3.950 | 2.1722 | 0.0000 | 84.195 | 0.26196 | 0.00000 | 7731.1 | 1162.7 | 0.0 | U/P |
| 3.958 | 2.1746 | 0.0000 | 84.208 | 0.26318 | 0.00000 | 7796.3 | 1170.5 | 0.0 | U/P |
| 3.967 | 2.1770 | 0.0000 | 84.220 | 0.26440 | 0.00000 | 7861.5 | 1178.4 | 0.0 | U/P |
| 3.975 | 2.1793 | 0.0000 | 84.233 | 0.26561 | 0.00000 | 7926.9 | 1186.4 | 0.0 | U/P |
| 3.983 | 2.1815 | 0.0000 | 84.245 | 0.26681 | 0.00000 | 7992.3 | 1194.4 | 0.0 | U/P |
| 3.992 | 2.1838 | 0.0000 | 84.258 | 0.26802 | 0.00000 | 8057.8 | 1202.4 | 0.0 | U/P |
| 4.000 | 2.1860 | 0.0000 | 84.270 | 0.26921 | 0.00000 | 8123.3 | 1210.5 | 0.0 | U/P |
| 4.008 | 2.1882 | 0.0000 | 84.282 | 0.27041 | 0.00000 | 8188.9 | 1218.6 | 0.0 | U/P |
| 4.017 | 2.1914 | 0.0000 | 84.295 | 0.27159 | 0.00000 | 8254.6 | 1226.7 | 0.0 | U/P |
| 4.025 | 2.1967 | 0.0000 | 84.307 | 0.27278 | 0.00000 | 8320.4 | 1234.9 | 0.0 | U/P |
| 4.033 | 2.2046 | 0.0000 | 84.319 | 0.27396 | 0.00000 | 8386.5 | 1243.1 | 0.0 | U/P |
| 4.042 | 2.2156 | 0.0000 | 84.331 | 0.27514 | 0.00000 | 8452.8 | 1251.3 | 0.0 | U/P |
| 4.050 | 2.2310 | 0.0000 | 84.344 | 0.27632 | 0.00000 | 8519.5 | 1259.6 | 0.0 | U/P |
| 4.058 | 2.2514 | 0.0000 | 84.356 | 0.27751 | 0.00000 | 8586.7 | 1267.9 | 0.0 | U/P |
| 4.067 | 2.2779 | 0.0000 | 84.368 | 0.27870 | 0.00000 | 8654.6 | 1276.2 | 0.0 | U/P |
| 4.075 | 2.3110 | 0.0000 | 84.381 | 0.27981 | 0.00000 | 8723.5 | 1284.6 | 0.0 | U/P |
| 4.083 | 2.3497 | 0.0000 | 84.393 | 0.28112 | 0.00000 | 8793.4 | 1293.0 | 0.0 | U/P |
| 4.092 | 2.3929 | 0.0000 | 84.406 | 0.28236 | 0.00000 | 8864.5 | 1301.5 | 0.0 | U/P |
| 4.100 | 2.4393 | 0.0000 | 84.419 | 0.28361 | 0.00000 | 8937.0 | 1310.0 | 0.0 | U/P |
| 4.108 | 2.4878 | 0.0000 | 84.433 | 0.28488 | 0.00000 | 9010.9 | 1318.5 | 0.0 | U/P |
| 4.117 | 2.5367 | 0.0000 | 84.446 | 0.28618 | 0.00000 | 9086.3 | 1327.0 | 0.0 | U/P |
| 4.125 | 2.5855 | 0.0000 | 84.460 | 0.28749 | 0.00000 | 9163.1 | 1335.6 | 0.0 | U/P |
| 4.133 | 2.6333 | 0.0000 | 84.474 | 0.28883 | 0.00000 | 9241.4 | 1344.3 | 0.0 | U/P |
| 4.142 | 2.6791 | 0.0000 | 84.488 | 0.29019 | 0.00000 | 9321.1 | 1353.0 | 0.0 | U/P |
| 4.150 | 2.7225 | 0.0000 | 84.502 | 0.29157 | 0.00000 | 9402.1 | 1361.7 | 0.0 | U/P |
| 4.158 | 2.7632 | 0.0000 | 84.517 | 0.29297 | 0.00000 | 9484.4 | 1370.5 | 0.0 | U/P |
| 4.167 | 2.8008 | 0.0000 | 84.531 | 0.29438 | 0.00000 | 9567.9 | 1379.3 | 0.0 | U/P |
| 4.175 | 2.8350 | 0.0000 | 84.546 | 0.29580 | 0.00000 | 9652.4 | 1388.1 | 0.0 | U/P |
| 4.183 | 2.8650 | 0.0000 | 84.561 | 0.29724 | 0.00000 | 9737.9 | 1397.0 | 0.0 | U/P |
| 4.192 | 2.8913 | 0.0000 | 84.576 | 0.29869 | 0.00000 | 9824.2 | 1406.0 | 0.0 | U/P |
| 4.200 | 2.9144 | 0.0000 | 84.591 | 0.30014 | 0.00000 | 9911.3 | 1415.0 | 0.0 | U/P |
| 4.208 | 2.9352 | 0.0000 | 84.606 | 0.30160 | 0.00000 | 9999.1 | 1424.0 | 0.0 | U/P |
| 4.217 | 2.9538 | 0.0000 | 84.622 | 0.30306 | 0.00000 | 10087.4 | 1433.0 | 0.0 | U/P |
| 4.225 | 2.9705 | 0.0000 | 84.637 | 0.30452 | 0.00000 | 10176.3 | 1442.2 | 0.0 | U/P |
| 4.233 | 2.9857 | 0.0000 | 84.652 | 0.30599 | 0.00000 | 10265.6 | 1451.3 | 0.0 | U/P |
| 4.242 | 2.9995 | 0.0000 | 84.667 | 0.30746 | 0.00000 | 10355.4 | 1460.5 | 0.0 0.0 | U/P |
| 4.250 | 3.0121 | 0.0000 | 84.682 | 0.30892 | 0.00000 | 10445.6 | 1469.8 | 0.0 | U/P |
| 4.258 | 3.0235 | 0.0000 | 84.697 | 0.31039 | 0.00000 | 10536.1 | 1478.1 1488.4 | 0.0 0.0 | U/P |
| 4.267 | 3.0339 | 0.0000 | 84.712 | 0.31185 0.31331 | 0.00000 0.00000 | 10627.0 | 1488.4 | 0.0 | U/P |
| 4.275 | 3.0432 | 0.0000 | 84.728 | 0.31331 | 0.00000 | 10718.1 | 1497.8 1507.2 | 0.0 0.0 | U/P |
| 4.283 | 3.0517 | 0.0000 | 84.743 | 0.31477 | 0.00000 | 10809.5 | 1507.2 | 0.0 | U/P |
| 4.292 | 3.0596 | 0.0000 | 84.758 | 0.31623 | 0.00000 | 10901.2 | 1516.7 | 0.0 | U/P |
| 4.300 | 3.0668 | 0.0000 | 84.773 | 0.31768 | 0.00000 | 10993.1 | 1526.2 | 0.0 | U/P |
| 4.308 | 3.0734 | 0.0000 | 84.788 | 0.31913 | 0.00000 | 11085.2 | 1535.7 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $4100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (fi/day) | Stage Elevation (ft datum) | Infiltration Rate (ft ${ }^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4.317 | 3.0795 | 0.0000 | 84.803 | 0.32058 | 0.00000 | 11177.5 | 1545.3 | 0.0 | U/P |
| 4.325 | 3.0851 | 0.0000 | 84.817 | 0.32202 | 0.00000 | 11270.0 | 1554.9 | 0.0 | U/P |
| 4.333 | 3.0903 | 0.0000 | 84.832 | 0.32346 | 0.00000 | 11362.6 | 1564.6 | 0.0 | U/P |
| 4.342 | 3.0951 | 0.0000 | 84.847 | 0.32489 | 0.00000 | 11455.4 | 1574.4 | 0.0 | U/P |
| 4.350 | 3.0996 | 0.0000 | 84.862 | 0.32632 | 0.00000 | 11548.3 | 1584.1 | 0.0 | U/P |
| 4.358 | 3.1038 | 0.0000 | 84.877 | 0.32774 | 0.00000 | 11641.4 | 1593.9 | 0.0 | U/P |
| 4.367 | 3.1078 | 0.0000 | 84.891 | 0.32916 | 0.00000 | 11734.5 | 1603.8 | 0.0 | U/P |
| 4.375 | 3.1115 | 0.0000 | 84.906 | 0.33057 | 0.00000 | 11827.8 | 1613.7 | 0.0 | U/P |
| 4.383 | 3.1150 | 0.0000 | 84.920 | 0.33198 | 0.00000 | 11921.2 | 1623.6 | 0.0 | U/P |
| 4.392 | 3.1184 | 0.0000 | 84.935 | 0.33339 | 0.00000 | 12014.7 | 1633.6 | 0.0 | U/P |
| 4.400 | 3.1215 | 0.0000 | 84.949 | 0.33479 | 0.00000 | 12108.3 | 1643.6 | 0.0 | U/P |
| 4.408 | 3.1245 | 0.0000 | 84.964 | 0.33618 | 0.00000 | 12202.0 | 1653.7 | 0.0 | U/P |
| 4.417 | 3.1274 | 0.0000 | 84.978 | 0.33757 | 0.00000 | 12295.8 | 1663.8 | 0.0 | U/P |
| 4.425 | 3.1302 | 0.0000 | 84.992 | 0.33896 | 0.00000 | 12389.6 | 1673.9 | 0.0 | U/P |
| 4.433 | 3.1328 | 0.0000 | 85.007 | 0.34038 | 0.00000 | 12483.6 | 1684.1 | 0.0 | U/P |
| 4.442 | 3.1353 | 0.0000 | 85.021 | 0.34191 | 0.00000 | 12577.6 | 1694.4 | 0.0 | U/P |
| 4.450 | 3.1377 | 0.0000 | 85.035 | 0.34349 | 0.00000 | 12671.7 | 1704.7 | 0.0 | U/P |
| 4.458 | 3.1401 | 0.0000 | 85.049 | 0.34506 | 0.00000 | 12765.9 | 1715.0 | 0.0 | U/P |
| 4.467 | 3.1424 | 0.0000 | 85.063 | 0.34662 | 0.00000 | 12860.1 | 1725.4 | 0.0 | U/P |
| 4.475 | 3.1446 | 0.0000 | 85.077 | 0.34818 | 0.00000 | 12954.4 | 1735.8 | 0.0 | U/P |
| 4.483 | 3.1468 | 0.0000 | 85.091 | 0.34973 | 0.00000 | 13048.8 | 1746.2 | 0.0 | U/P |
| 4.492 | 3.1489 | 0.0000 | 85.105 | 0.35128 | 0.00000 | 13143.2 | 1756.8 | 0.0 | U/P |
| 4.500 | 3.1509 | 0.0000 | 85.118 | 0.35281 | 0.00000 | 13237.7 | 1767.3 | 0.0 | U/P |
| 4.508 | 3.1529 | 0.0000 | 85.132 | 0.35434 | 0.00000 | 13332.3 | 1777.9 | 0.0 | U/P |
| 4.517 | 3.1549 | 0.0000 | 85.146 | 0.35587 | 0.00000 | 13426.9 | 1788.6 | 0.0 | U/P |
| 4.525 | 3.1572 | 0.0000 | 85.159 | 0.35739 | 0.00000 | 13521.6 | 1799.3 | 0.0 | U/P |
| 4.533 | 3.1598 | 0.0000 | 85.173 | 0.35890 | 0.00000 | 13616.3 | 1810.0 | 0.0 | U/P |
| 4.542 | 3.1630 | 0.0000 | 85.186 | 0.36041 | 0.00000 | 13711.2 | 1820.8 | 0.0 | U/P |
| 4.550 | 3.1668 | 0.0000 | 85.200 | 0.36191 | 0.00000 | \$3806.1 | 1831.7 | 0.0 | U/P |
| 4.558 | 3.1715 | 0.0000 | 85.213 | 0.36341 | 0.00000 | 13901.2 | 1842.5 | 0.0 | U/P |
| 4.567 | 3.1773 | 0.0000 | 85.227 | 0.36490 | 0.00000 | 13996.4 | 1853.5 | 0.0 | U/P |
| 4.575 | 3.1842 | 0.0000 | 85.240 | 0.36639 | 0.00000 | 14091.8 | 1864.4 | 0.0 | U/P |
| 4.583 | 3.1922 | 0.0000 | 85.253 | 0.36787 | 0.00000 | 14187.5 | 1875.4 | 0.0 | U/P |
| 4.592 | 3.2012 | 0.0000 | 85.266 | 0.36936 | 0.00000 | 14283.4 | 1886.5 | 0.0 | U/P |
| 4.600 | 3.2109 | 0.0000 | 85.280 | 0.37084 | 0.00000 | 14379.6 | 1897.6 | 0.0 | U/P |
| 4.608 | 3.2211 | 0.0000 | 85.293 | 0.37232 | 0.00000 | 14476.1 | 1908.7 | 0.0 | U/P |
| 4.617 | 3.2315 | 0.0000 | 85.306 | 0.37379 | 0.00000 | 14572.8 | 1919.9 | 0.0 | U/P |
| 4.625 | 3.2419 | 0.0000 | 85.320 | 0.37527 | 0.00000 | 14670.0 | 1931.2 | 0.0 | U/P |
| 4.633 | 3.2522 | 0.0000 | 85.333 | 0.37674 | 0.00000 | 14767.4 | 1942.5 | 0.0 | U/P |
| 4.642 | 3.2622 | 0.0000 | 85.346 | 0.37822 | 0.00000 | 14865.1 | 1953.8 | 0.0 | U/P |
| 4.650 | 3.2717 | 0.0000 | 85.359 | 0.37969 | 0.00000 | 14963.1 | 1965.1 | 0.0 | U/P |
| 4.658 | 3.2807 | 0.0000 | 85.372 | 0.38116 | 0.00000 | 15061.4 | 1976.6 | 0.0 | U/P |
| 4.667 | 3.2892 | 0.0000 | 85.386 | 0.38263 | 0.00000 | 15159.9 | 1988.0 | 0.0 | U/P |
| 4.675 | 3.2970 | 0.0000 | 85.399 | 0.38410 | 0.00000 | 15258.7 | 1999.5 | 0.0 | U/P |
| 4.683 | 3.3040 | 0.0000 | 85.412 | 0.38556 | 0.00000 | 15357.7 | 2011.1 | 0.0 | U/P |
| 4.692 | 3.3103 | 0.0000 | 85.425 | 0.38702 | 0.00000 | 15456.9 | 2022.7 | 0.0 | U/P |
| 4.700 | 3.3159 | 0.0000 | 85.438 | 0.38848 | 0.00000 | 15556.3 | 2034.3 | 0.0 | U/P |
| 4.708 | 3.3210 | 0.0000 | 85.451 | 0.38994 | 0.00000 | 15655.9 | 2046.0 | 0.0 | U/P |
| 4.717 | 3.3257 | 0.0000 | 85.464 | 0.39139 | 0.00000 | 15755.6 | 2057.7 | 0.0 | U/P |
| 4.725 | 3.3299 | 0.0000 | 85.477 | 0.39284 | 0.00000 | 15855.4 | 2069.4 | 0.0 | U/P |
| 4.733 | 3.3338 | 0.0000 | 85.490 | 0.39428 | 0.00000 | 15955.4 | 2081.3 | 0.0 | U/P |
| 4.742 | 3.3374 | 0.0000 | 85.503 | 0.39572 | 0.00000 | 16055.5 | 2093.1 | 0.0 | U/P |
| 4.750 | 3.3408 | 0.0000 | 85.516 | 0.39716 | 0.00000 | 16155.6 | 2105.0 | 0.0 | U/P |
| 4.758 | 3.3439 | 0.0000 | 85.529 | 0.39859 | 0.00000 | 16255.9 | 2116.9 | 0.0 | U/P |
| 4.767 | 3.3468 | 0.0000 | 85.541 | 0.40002 | 0.00000 | 16356.3 | 2128.9 | 0.0 | U/P |
| 4.775 | 3.3494 | 0.0000 | 85.554 | 0.40144 | 0.00000 | 16456.7 | 2140.9 | 0.0 | U/P |
| 4.783 | 3.3519 | 0.0000 | 85.567 | 0.40286 | 0.00000 | 16557.2 | 2153.0 | 0.0 | U/P |
| 4.792 | 3.3543 | 0.0000 | 85.579 | 0.40427 | 0.00000 | 16657.8 | 2165.1 | 0.0 | U/P |
| 4.800 | 3.3565 | 0.0000 | 85.592 | 0.40568 | 0.00000 | 16758.5 | 2177.3 | 0.0 | U/P |
| 4.808 | 3.3586 | 0.0000 | 85.605 | 0.40709 | 0.00000 | 16859.2 | 2189.4 | 0.0 | U/P |
| 4.817 | 3.3605 | 0.0000 | 85.617 | 0.40849 | 0.00000 | 16960.0 | 2201.7 | 0.0 | U/P |
| 4.825 | 3.3624 | 0.0000 | 85.630 | 0.40988 | 0.00000 | 17060.8 | 2214.0 | 0.0 | U/P |
| 4.833 | 3.3642 | 0.0000 | 85.642 | 0.41128 | 0.00000 | 17161.7 | 2226.3 | 0.0 | U/P |
| 4.842 | 3.3659 | 0.0000 | 85.655 | 0.41266 | 0.00000 | 17262.7 | 2238.6 | 0.0 | U/P |
| 4.850 | 3.3675 | 0.0000 | 85.667 | 0.41404 | 0.00000 | 17363.7 | 2251.0 | 0.0 | U/P |
| 4.858 | 3.3690 | 0.0000 | 85.679 | 0.41542 | 0.00000 | 17464.7 | 2263.5 | 0.0 | U/P |
| 4.867 | 3.3705 | 0.0000 | 85.692 | 0.41680 | 0.00000 | 17565.8 | 2276.0 | 0.0 | U/P |
| 4.875 | 3.3720 | 0.0000 | 85.704 | 0.41817 | 0.00000 | 17667.0 | 2288.5 | 0.0 | U/P |
| 4.883 | 3.3733 | 0.0000 | 85.716 | 0.41953 | 0.00000 | 17768.1 | 2301.0 | 0.0 | U/P |
| 4.892 | 3.3747 | 0.0000 | 85.728 | 0.42089 | 0.00000 | 17869.4 | 2313.7 | 0.0 | U/P |
| 4.900 | 3.3760 | 0.0000 | 85.740 | 0.42225 | 0.00000 | 17970.6 | 2326.3 | 0.0 | U/P |
| 4.908 | 3.3773 | 0.0000 | 85.753 | 0.42360 | 0.00000 | 18071.9 | 2339.0 | 0.0 | U/P |
| 4.917 | 3.3785 | 0.0000 | 85.765 | 0.42494 | 0.00000 | 18173.2 | 2351.7 | 0.0 | U/P |
| 4.925 | 3.3797 | 0.0000 | 85.777 | 0.42629 | 0.00000 | 18274.6 | 2364.5 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 4100 yr/24 hr

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f} 3 / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (fl datum) | Infiltration Rate ( $\mathrm{fl}^{3 / 3}$ ) | Overflow Discharge ( $\mathrm{fl}^{3 / \mathrm{s}}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{fl}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4.933 | 3.3808 | 0.0000 | 85.789 | 0.42763 | 0.00000 | 18376.0 | 2377.3 | 0.0 | U/P |
| 4.942 | 3.3820 | 0.0000 | 85.801 | 0.42896 | 0.00000 | 18477.5 | 2390.1 | 0.0 | U/P |
| 4.950 | 3.3831 | 0.0000 | 85.813 | 0.43029 | 0.00000 | 18578.9 | 2403.0 | 0.0 | U/P |
| 4.958 | 3.3842 | 0.0000 | 85.824 | 0.43162 | 0.00000 | 18680.5 | 2416.0 | 0.0 | U/P |
| 4.967 | 3.3853 | 0.0000 | 85.836 | 0.43294 | 0.00000 | 18782.0 | 2428.9 | 0.0 | U/P |
| 4.975 | 3.3863 | 0.0000 | 85.848 | 0.43426 | 0.00000 | 18883.6 | 2441.9 | 0.0 | U/P |
| 4.983 | 3.3874 | 0.0000 | 85.860 | 0.43557 | 0.00000 | 18985.2 | 2455.0 | 0.0 | U/P |
| 4.992 | 3.3884 | 0.0000 | 85.872 | 0.43688 | 0.00000 | 19086.8 | 2468.1 | 0.0 | U/P |
| 5.000 | 3.3895 | 0.0000 | 85.883 | 0.43818 | 0.00000 | 19188.5 | 2481.2 | 0.0 | U/P |
| 5.008 | 3.3910 | 0.0000 | 85.895 | 0.43949 | 0.00000 | 19290.2 | 2494.4 | 0.0 | U/P |
| 5.017 | 3.3929 | 0.0000 | 85.907 | 0.44078 | 0.00000 | 19392.0 | 2507.6 | 0.0 | U/P |
| 5.025 | 3.3952 | 0.0000 | 85.918 | 0.44208 | 0.00000 | 19493.8 | 2520.8 | 0.0 | U/P |
| 5.033 | 3.3982 | 0.0000 | 85.930 | 0.44337 | 0.00000 | 19595.7 | 2534.1 | 0.0 | U/P |
| 5.042 | 3.4020 | 0.0000 | 85.941 | 0.44466 | 0.00000 | 19697.7 | 2547.4 | 0.0 | U/P |
| 5.050 | 3.4067 | 0.0000 | 85.953 | 0.44594 | 0.00000 | 19799.8 | 2560.8 | 0.0 | U/P |
| 5.058 | 3.4125 | 0.0000 | 85.964 | 0.44722 | 0.00000 | 19902.1 | 2574.2 | 0.0 | U/P |
| 5.067 | 3.4191 | 0.0000 | 85.976 | 0.44851 | 0.00000 | 20004.6 | 2587.6 | 0.0 | U/P |
| 5.075 | 3.4265 | 0.0000 | 85.987 | 0.44978 | 0.00000 | 20107.2 | 2601.1 | 0.0 | U/P |
| 5.083 | 3.4343 | 0.0000 | 85.999 | 0.45106 | 0.00000 | 20210.2 | 2614.6 | 0.0 | U/P |
| 5.092 | 3.4425 | 0.0000 | 86.010 | 0.45242 | 0.00000 | 20313.3 | 2628.1 | 0.0 | U/P |
| 5.100 | 3.4508 | 0.0000 | 86.022 | 0.45385 | 0.00000 | 20416.7 | 2641.7 | 0.0 | U/P |
| 5.108 | 3.4591 | 0.0000 | 86.033 | 0.45529 | 0.00000 | 20520.4 | 2655.4 | 0.0 | U/P |
| 5.117 | 3.4672 | 0.0000 | 86.044 | 0.45674 | 0.00000 | 20624.3 | 2669.1 | 0.0 | U/P |
| 5.125 | 3.4750 | 0.0000 | 86.056 | 0.45818 | 0.00000 | 20728.4 | 2682.8 | 0.0 | U/P |
| 5.133 | 3.4823 | 0.0000 | 86.067 | 0.45962 | 0.00000 | 20832.7 | 2696.5 | 0.0 | U/P |
| 5.142 | 3.4893 | 0.0000 | 86.079 | 0.46105 | 0.00000 | 20937.3 | 2710.4 | 0.0 | U/P |
| 5.150 | 3.4957 | 0.0000 | 86.090 | 0.46249 | 0.00000 | 21042.1 | 2724.2 | 0.0 | U/P |
| 5.158 | 3.5016 | 0.0000 | 86.101 | 0.46392 | 0.00000 | 21147.1 | 2738.1 | 0.0 | U/P |
| 5.167 | 3.5069 | 0.0000 | 86.113 | 0.46535 | 0.00000 | 21252.2 | 2752.0 | 0.0 | U/P |
| 5.175 | 3.5115 | 0.0000 | 86.124 | 0.46678 | 0.00000 | 21357.5 | 2766.0 | 0.0 | U/P |
| 5.183 | 3.5156 | 0.0000 | 86.135 | 0.46821 | 0.00000 | 21462.9 | 2780.0 | 0.0 | U/P |
| 5.192 | 3.5193 | 0.0000 | 86.147 | 0.46963 | 0.00000 | 21568.4 | 2794.1 | 0.0 | U/P |
| 5.200 | 3.5227 | 0.0000 | 86.158 | 0.47105 | 0.00000 | 21674.0 | 2808.2 | 0.0 | U/P |
| 5.208 | 3.5257 | 0.0000 | 86.169 | 0.47247 | 0.00000 | 21779.7 | 2822.4 | 0.0 | U/P |
| 5.217 | 3.5285 | 0.0000 | 86.180 | 0.47388 | 0.00000 | 21885.6 | 2836.6 | 0.0 | U/P |
| 5.225 | 3.5311 | 0.0000 | 86.191 | 0.47529 | 0.00000 | 21991.5 | 2850.8 | 0.0 | U/P |
| 5.233 | 3.5335 | 0.0000 | 86.203 | 0.47669 | 0.00000 | 22097.4 | 2865.1 | 0.0 | U/P |
| 5.242 | 3.5356 | 0.0000 | 86.214 | 0.47810 | 0.00000 | 22203.5 | 2879.4 | 0.0 | U/P |
| 5.250 | 3.5376 | 0.0000 | 86.225 | 0.47949 | 0.00000 | 22309.6 | 2893.8 | 0.0 | U/P |
| 5.258 | 3.5395 | 0.0000 | 86.236 | 0.48089 | 0.00000 | 22415.7 | 2908.2 | 0.0 | U/P |
| 5.267 | 3.5412 | 0.0000 | 86.247 | 0.48228 | 0.00000 | 22521.9 | 2922.6 | 0.0 | U/P |
| 5.275 | 3.5428 | 0.0000 | 86.258 | 0.48366 | 0.00000 | 22628.2 | 2937.1 | 0.0 | U/P |
| 5.283 | 3.5443 | 0.0000 | 86.269 | 0.48505 | 0.00000 | 22734.5 | 2951.6 | 0.0 | U/P |
| 5.292 | 3.5457 | 0.0000 | 86.280 | 0.48643 | 0.00000 | 22840.8 | 2966.2 | 0.0 | U/P |
| 5.300 | 3.5470 | 0.0000 | 86.291 | 0.48780 | 0.00000 | 22947.2 | 2980.8 | 0.0 | U/P |
| 5.308 | 3.5482 | 0.0000 | 86.301 | 0.48917 | 0.00000 | 23053.7 | 2995.5 | 0.0 | U/P |
| 5.317 | 3.5494 | 0.0000 | 86.312 | 0.49054 | 0.00000 | 23160.1 | 3010.2 | 0.0 | U/P |
| 5.325 | 3.5504 | 0.0000 | 86.323 | 0.49190 | 0.00000 | 23266.6 | 3024.9 | 0.0 | U/P |
| 5.333 | 3.5515 | 0.0000 | 86.334 | 0.49326 | 0.00000 | 23373.1 | 3039.7 | 0.0 | U/P |
| 5.342 | 3.5525 | 0.0000 | 86.345 | 0.49462 | 0.00000 | 23479.7 | 3054.5 | 0.0 | U/P |
| 5.350 | 3.5534 | 0.0000 | 86.355 | 0.49597 | 0.00000 | 23586.3 | 3069.4 | 0.0 | U/P |
| 5.358 | 3.5543 | 0.0000 | 86.366 | 0.49732 | 0.00000 | 23692.9 | 3084.3 | 0.0 | U/P |
| 5.367 | 3.5552 | 0.0000 | 86.377 | 0.49866 | 0.00000 | 23799.6 | 3099.2 | 0.0 | U/P |
| 5.375 | 3.5561 | 0.0000 | 86.387 | 0.50000 | 0.00000 | 23906.2 | 3114.2 | 0.0 | U/P |
| 5.383 | 3.5569 | 0.0000 | 86.398 | 0.50134 | 0.00000 | 24012.9 | 3129.2 | 0.0 | U/P |
| 5.392 | 3.5577 | 0.0000 | 86.408 | 0.50267 | 0.00000 | 24119.6 | 3144.3 | 0.0 | U/P |
| 5.400 | 3.5584 | 0.0000 | 86.419 | 0.50400 | 0.00000 | 24226.4 | 3159.4 | 0.0 | U/P |
| 5.408 | 3.5592 | 0.0000 | 86.429 | 0.50532 | 0.00000 | 24333.1 | 3174.5 | 0.0 | U/P |
| 5.417 | 3.5599 | 0.0000 | 86.440 | 0.50664 | 0.00000 | 24439.9 | 3189.7 | 0.0 | U/P |
| 5.425 | 3.5606 | 0.0000 | 86.450 | 0.50796 | 0.00000 | 24546.7 | 3204.9 | 0.0 | U/P |
| 5.433 | 3.5613 | 0.0000 | 86.461 | 0.50928 | 0.00000 | 24653.6 | 3220.2 | 0.0 | U/P |
| 5.442 | 3.5619 | 0.0000 | 86.471 | 0.51059 | 0.00000 | 24760.4 | 3235.5 | 0.0 | U/P |
| 5.450 | 3.5626 | 0.0000 | 86.481 | 0.51189 | 0.00000 | 24867.3 | 3250.8 | 0.0 | U/P |
| 5.458 | 3.5632 | 0.0000 | 86.492 | 0.51320 | 0.00000 | 24974.2 | 3266.2 | 0.0 | U/P |
| 5.467 | 3.5639 | 0.0000 | 86.502 | 0.51449 | 0.00000 | 25081.1 | 3281.6 | 0.0 | U/P |
| 5.475 | 3.5645 | 0.0000 | 86.512 | 0.51579 | 0.00000 | 25188.0 | 3297.1 | 0.0 | U/P |
| 5.483 | 3.5651 | 0.0000 | 86.522 | 0.51708 | 0.00000 | 25294.9 | 3312.5 | 0.0 | U/P |
| 5.492 | 3.5657 | 0.0000 | 86.533 | 0.51837 | 0.00000 | 25401.9 | 3328.1 | 0.0 | U/P |
| 5.500 | 3.5663 | 0.0000 | 86.543 | 0.51966 | 0.00000 | 25508.9 | 3343.6 | 0.0 | U/P |
| 5.508 | 3.5669 | 0.0000 | 86.553 | 0.52094 | 0.00000 | 25615.9 | 3359.3 | 0.0 | U/P |
| 5.517 | 3.5674 | 0.0000 | 86.563 | 0.52222 | 0.00000 | 25722.9 | 3374.9 | 0.0 | U/P |
| 5.525 | 3.5680 | 0.0000 | 86.573 | 0.52349 | 0.00000 | 25829.9 | 3390.6 | 0.0 | U/P |
| 5.533 | 3.5685 | 0.0000 | 86.583 | 0.52476 | 0.00000 | 25937.0 | 3406.3 | 0.0 | U/P |
| 5.542 | 3.5691 | 0.0000 | 86.593 | 0.52603 | 0.00000 | 26044,0 | 3422.1 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 4100 yr/24 hr

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Rechafge (ftday) | Stage Elevation (ft datum) | Infitration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{t}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 5.550 | 3.5696 | 0.0000 | 86.603 | 0.52730 | 0.00000 | 26151.1 | 3437.9 | 0.0 | U/P |
| 5.558 | 3.5701 | 0.0000 | 86.613 | 0.52856 | 0.00000 | 26258.2 | 3453.7 | 0.0 | U/P |
| 5.567 | 3.5706 | 0.0000 | 86.623 | 0.52982 | 0.00000 | 26365.3 | 3469.6 | 0.0 | U/P |
| 5.575 | 3.5711 | 0.0000 | 86.633 | 0.53107 | 0.00000 | 26472.5 | 3485.5 | 0.0 | U/P |
| 5.583 | 3.5716 | 0.0000 | 86.643 | 0.53232 | 0.00000 | 26579.6 | 3501.5 | 0.0 | U/P |
| 5.592 | 3.5721 | 0.0000 | 86.653 | 0.53357 | 0.00000 | 26686.8 | 3517.4 | 0.0 | U/P |
| 5.600 | 3.5726 | 0.0000 | 86.663 | 0.53482 | 0.00000 | 26793.9 | 3533.5 | 0.0 | U/P |
| 5.608 | 3.5731 | 0.0000 | 86.673 | 0.53606 | 0.00000 | 26901.1 | 3549.5 | 0.0 | U/P |
| 5.617 | 3.5736 | 0.0000 | 86.683 | 0.53730 | 0.00000 | 27008.3 | 3565.6 | 0.0 | U/P |
| 5.625 | 3.5741 | 0.0000 | 86.692 | 0.53853 | 0.00000 | 27115.5 | 3581.8 | 0.0 | U/P |
| 5.633 | 3.5745 | 0.0000 | 86.702 | 0.53977 | 0.00000 | 27222.8 | 3597.9 | 0.0 | U/P |
| 5.642 | 3.5750 | 0.0000 | 86.712 | 0.54100 | 0.00000 | 27330.0 | 3614.2 | 0.0 | U/P |
| 5,650 | 3.5755 | 0.0000 | 86.722 | 0.54222 | 0.00000 | 27437.3 | 3630.4 | 0.0 | U/P |
| 5.658 | 3.5759 | 0.0000 | 86.731 | 0.54345 | 0.00000 | 27544.5 | 3646.7 | 0.0 | U/P |
| 5.667 | 3.5764 | 0.0000 | 86.741 | 0.54467 | 0.00000 | 27651.8 | 3663.0 | 0.0 | U/P |
| 5.675 | 3.5769 | 0.0000 | 86.751 | 0.54588 | 0.00000 | 27759.1 | 3679.4 | 0.0 | U/P |
| 5.683 | 3.5773 | 0.0000 | 86.760 | 0.54710 | 0.00000 | 27866.4 | 3695.8 | 0.0 | U/P |
| 5.692 | 3.5778 | 0.0000 | 86.770 | 0.54831 | 0.00000 | 27973.7 | 3712.2 | 0.0 | U/P |
| 5.700 | 3.5782 | 0.0000 | 86.779 | 0.54952 | 0.00000 | 28081.1 | 3728.7 | 0.0 | U/P |
| 5.708 | 3.5787 | 0.0000 | 86.789 | 0.55072 | 0.00000 | 28188.4 | 3745.2 | 0.0 | U/P |
| 5.717 | 3.5791 | 0.0000 | 86.798 | 0.55193 | 0.00000 | 28295.8 | 3761.7 | 0.0 | U/P |
| 5.725 | 3.5795 | 0.0000 | 86.808 | 0.55312 | 0.00000 | 28403.2 | 3778.3 | 0.0 | U/P |
| 5.733 | 3.5800 | 0.0000 | 86.817 | 0.55432 | 0.00000 | 28510.6 | 3794.9 | 0.0 | U/P |
| 5.742 | 3.5804 | 0.0000 | 86.827 | 0.55551 | 0.00000 | 28618.0 | 3811.5 | 0.0 | U/P |
| 5.750 | 3.5808 | 0.0000 | 86.836 | 0.55671 | 0.00000 | 28725.4 | 3828.2 | 0.0 | U/P |
| 5.758 | 3.5812 | 0.0000 | 86.846 | 0.55789 | 0.00000 | 28832.8 | 3844.9 | 0.0 | U/P |
| 5.767 | 3.5817 | 0.0000 | 86.855 | 0.55908 | 0.00000 | 28940.3 | 3861.7 | 0.0 | U/P |
| 5.775 | 3.5821 | 0.0000 | 86.864 | 0.56026 | 0.00000 | 29047.7 | 3878.5 | 0.0 | U/P |
| 5.783 | 3.5825 | 0.0000 | 86.874 | 0.56144 | 0.00000 | 29155.2 | 3895.3 | 0.0 | U/P |
| 5.792 | 3.5829 | 0.0000 | 86.883 | 0.56262 | 0.00000 | 29262.7 | 3912.2 | 0.0 | U/P |
| 5.800 | 3.5833 | 0.0000 | 86.892 | 0.56379 | 0.00000 | 29370.2 | 3929.1 | 0.0 | U/P |
| 5.808 | 3.5837 | 0.0000 | 86.902 | 0.56496 | 0.00000 | 29477.7 | 3946.0 | 0.0 | U/P |
| 5.817 | 3.5841 | 0.0000 | 86.911 | 0.56613 | 0.00000 | 29585.2 | 3963.0 | 0.0 | U/P |
| 5.825 | 3.5845 | 0.0000 | 86.920 | 0.56730 | 0.00000 | 29692.7 | 3980.0 | 0.0 | U/P |
| 5.833 | 3.5849 | 0.0000 | 86.929 | 0.56846 | 0.00000 | 29800.3 | 3997.0 | 0.0 | U/P |
| 5.842 | 3.5853 | 0.0000 | 86.939 | 0.56962 | 0.00000 | 29907.8 | 4014.1 | 0.0 | U/P |
| 5.850 | 3.5857 | 0.0000 | 86.948 | 0.57078 | 0.00000 | 30015.4 | 4031.2 | 0.0 | U/P |
| 5.858 | 3.5861 | 0.0000 | 86.957 | 0.57193 | 0.00000 | 30123.0 | 4048.3 | 0.0 | U/P |
| 5.867 | 3.5864 | 0.0000 | 86.966 | 0.57309 | 0.00000 | 30230.5 | 4065.5 | 0.0 | U/P |
| 5.875 | 3.5868 | 0.0000 | 86.975 | 0.57424 | 0.00000 | 30338.1 | 4082.7 | 0.0 | U/P |
| 5.883 | 3.5872 | 0.0000 | 86.984 | 0.57538 | 0.00000 | 30445.8 | 4100.0 | 0.0 | U/P |
| 5.892 | 3.5876 | 0.0000 | 86.993 | 0.57653 | 0.00000 | 30553.4 | 4117.2 | 0.0 | U/P |
| 5.900 | 3.5879 | 0.0000 | 87.002 | 0.57771 | 0.00000 | 30661.0 | 4134.5 | 0.0 | U/P |
| 5.908 | 3.5883 | 0.0000 | 87.011 | 0.57903 | 0.00000 | 30768.7 | 4151.9 | 0.0 | U/P |
| 5.917 | 3.5887 | 0.0000 | 87.020 | 0.58047 | 0.00000 | 30876.3 | 4169.3 | 0.0 | U/P |
| 5.925 | 3.5890 | 0.0000 | 87.029 | 0.58189 | 0.00000 | 30984.0 | 4186.7 | 0.0 | U/P |
| 5.933 | 3.5894 | 0.0000 | 87.038 | 0.58332 | 0.00000 | 31091.7 | 4204.2 | 0.0 | U/P |
| 5.942 | 3.5897 | 0.0000 | 87.047 | 0.58474 | 0.00000 | 31199.3 | 4221.7 | 0.0 | U/P |
| 5.950 | 3.5901 | 0.0000 | 87.056 | 0.58615 | 0.00000 | 31307.0 | 4239.3 | 0.0 | U/P |
| 5.958 | 3.5904 | 0.0000 | 87.065 | 0.58757 | 0.00000 | 31414.7 | 4256.9 | 0.0 | U/P |
| 5.967 | 3.5908 | 0.0000 | 87.074 | 0.58897 | 0.00000 | 31522.5 | 4274.5 | 0.0 | U/P |
| 5.975 | 3.5911 | 0.0000 | 87.083 | 0.59038 | 0.00000 | 31630.2 | 4292.2 | 0.0 | U/P |
| 5.983 | 3.5915 | 0.0000 | 87.091 | 0.59178 | 0.00000 | 31737.9 | 4310.0 | 0.0 | U/P |
| 5.992 | 3.5918 | 0.0000 | 87.100 | 0.59318 | 0.00000 | 31845.7 | 4327.7 | 0.0 | U/P |
| 6.000 | 3.5921 | 0.0000 | 87.109 | 0.59457 | 0.00000 | 31953.4 | 4345.6 | 0.0 | U/P |
| 6.008 | 3.5974 | 0.0000 | 87.118 | 0.59596 | 0.00000 | 32061.3 | 4363.4 | 0.0 | U/P |
| 6.017 | 3.6119 | 0.0000 | 87.126 | 0.59735 | 0.00000 | 32169.4 | 4381.3 | 0.0 | U/P |
| 6.025 | 3.6391 | 0.0000 | 87.135 | 0.59874 | 0.00000 | 32278.2 | 4399.3 | 0.0 | U/P |
| 6.033 | 3.6810 | 0.0000 | 87.144 | 0.60014 | 0.00000 | 32388.0 | 4417.2 | 0.0 | U/P |
| 6.042 | 3.7426 | 0.0000 | 87.153 | 0.60156 | 0.00000 | 32499.3 | 4435.3 | 0.0 | U/P |
| 6.050 | 3.8283 | 0.0000 | 87.162 | 0.60300 | 0.00000 | 32612.9 | 4453.3 | 0.0 | U/P |
| 6.058 | 3.9419 | 0.0000 | 87.172 | 0.60448 | 0.00000 | 32729.5 | 4471.4 | 0.0 | U/P |
| 6.067 | 4.0867 | 0.0000 | 87.181 | 0.60600 | 0.00000 | 32849.9 | 4489.6 | 0.0 | U/P |
| 6.075 | 4.2578 | 0.0000 | 87.192 | 0.60759 | 0.00000 | 32975.1 | 4507.8 | 0.0 | U/P |
| 6.083 | 4.4497 | 0.0000 | 87.202 | 0.60924 | 0.00000 | 33105.7 | 4526.1 | 0.0 | U/P |
| 6.092 | 4.6570 | 0.0000 | 87.213 | 0.61098 | 0.00000 | 33242.3 | 4544.4 | 0.0 | U/P |
| 6.100 | 4.8742 | 0.0000 | 87.225 | 0.61281 | 0.00000 | 33385.2 | 4562.7 | 0.0 | U/P |
| 6.108 | 5.0930 | 0.0000 | 87.238 | 0.61472 | 0.00000 | 33534.7 | 4581.1 | 0.0 | U/P |
| 6.117 | 5.3114 | 0.0000 | 87.250 | 0.61673 | 0.00000 | 33650.8 | 4599.6 | 0.0 | U/P |
| 6.125 | 5.5254 | 0.0000 | 87.264 | 0.61883 | 0.00000 | 33853.4 | 4618.1 | 0.0 | U/P |
| 6.133 | 5.7296 | 0.0000 | 87.278 | 0.62101 | 0.00000 | 34022.2 | 4636.7 | 0.0 | U/P |
| 6.142 | 5.9224 | 0.0000 | 87.292 | 0.62327 | 0.00000 | 34197.0 | 4655.4 | 0.0 | U/P |
| 6.150 | 6.1027 | 0.0000 | 87.307 | 0.62561 | 0.00000 | 34377.3 | 4674.1 | 0.0 | U/P |
| 6.158 | 6.2687 | 0.0000 | 87.323 | 0.62802 | 0.00000 | 34562.9 | 4692.9 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 4100 yr/24 hr

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate (ft ${ }^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 6.167 | 6.4184 | 0.0000 | 87.339 | 0.63049 | 0.00000 | 34753.2 | 4711.8 | 0.0 | U/P |
| 6.175 | 6.5484 | 0.0000 | 87.355 | 0.63302 | 0.00000 | 34947.7 | 4730.8 | 0.0 | U/P |
| 6.183 | 6.6609 | 0.0000 | 87.371 | 0.63559 | 0.00000 | 35145.9 | 4749.8 | 0.0 | U/P |
| 6.192 | 6.7586 | 0.0000 | 87.387 | 0.63820 | 0.00000 | 35347.1 | 4768.9 | 0.0 | U/P |
| 6.200 | 6.8449 | 0.0000 | 87.404 | 0.64084 | 0.00000 | 35551.2 | 4788.1 | 0.0 | U/P |
| 6.208 | 6.9214 | 0.0000 | 87.421 | 0.64350 | 0.00000 | 35757.7 | 4807.3 | 0.0 | U/P |
| 6.217 | 6.9890 | 0.0000 | 87.438 | 0.64619 | 0.00000 | 35966.4 | 4826.7 | 0.0 | U/P |
| 6.225 | 7.0493 | 0.0000 | 87.455 | 0.64889 | 0.00000 | 36176.9 | 4846.1 | 0.0 | U/P |
| 6.233 | 7.1035 | 0.0000 | 87.472 | 0.65160 | 0.00000 | 36389.2 | 4865.6 | 0.0 | U/P |
| 6.242 | 7.1518 | 0.0000 | 87.489 | 0.65433 | 0.00000 | 36603.1 | 4885.2 | 0.0 | U/P |
| 6.250 | 7.1947 | 0.0000 | 87.506 | 0.65706 | 0.00000 | 36818.2 | 4904.9 | 0.0 | U/P |
| 6.258 | 7.2328 | 0.0000 | 87.524 | 0.65980 | 0.00000 | 37034.7 | 4924.6 | 0.0 | U/P |
| 6.267 | 7.2659 | 0.0000 | 87.541 | 0.66254 | 0.00000 | 37252.1 | 4944.5 | 0.0 | U/P |
| 6.275 | 7.2957 | 0.0000 | 87.558 | 0.66529 | 0.00000 | 37470.6 | 4964.4 | 0.0 | U/P |
| 6.283 | 7.3223 | 0.0000 | 87.575 | 0.66803 | 0.00000 | 37689.8 | 4984.4 | 0.0 | U/P |
| 6.292 | 7.3458 | 0.0000 | 87.593 | 0.67077 | 0.00000 | 37909.9 | 5004.5 | 0.0 | U/P |
| 6.300 | 7.3669 | 0.0000 | 87.610 | 0.67351 | 0.00000 | 38130.5 | 5024.6 | 0.0 | U/P |
| 6.308 | 7.3854 | 0.0000 | 87.627 | 0.67625 | 0.00000 | 38351.8 | 5044.9 | 0.0 | U/P |
| 6.317 | 7.4020 | 0.0000 | 87.644 | 0.67898 | 0.00000 | 38573.6 | 5065.2 | 0.0 | U/P |
| 6.325 | 7.4167 | 0.0000 | 87.661 | 0.68170 | 0.00000 | 38795.9 | 5085.6 | 0.0 | U/P |
| 6.333 | 7.4297 | 0.0000 | 87.679 | 0.68442 | 0.00000 | 39018.6 | 5106.1 | 0.0 | U/P |
| 6.342 | 7.4414 | 0.0000 | 87.696 | 0.68714 | 0.00000 | 39241.7 | 5126.7 | 0.0 | U/P |
| 6.350 | 7.4518 | 0.0000 | 87.713 | 0.68984 | 0.00000 | 39465.1 | 5147.3 | 0.0 | U/P |
| 6.358 | 7.4611 | 0.0000 | 87.730 | 0.69254 | 0.00000 | 39688.8 | 5168.1 | 0.0 | U/P |
| 6.367 | 7.4695 | 0.0000 | 87.746 | 0.69523 | 0.00000 | 39912.7 | 5188.9 | 0.0 | U/P |
| 6.375 | 7.4770 | 0.0000 | 87.763 | 0.69792 | 0.00000 | 40136.9 | 5209.8 | 0.0 | U/P |
| 6.383 | 7.4838 | 0.0000 | 87.780 | 0.70059 | 0.00000 | 40361.3 | 5230.8 | 0.0 | U/P |
| 6.392 | 7.4898 | 0.0000 | 87.797 | 0.70326 | 0.00000 | 40586.0 | 5251.8 | 0.0 | U/P |
| 6.400 | 7.4953 | 0.0000 | 87.814 | 0.70592 | 0.00000 | 40810.7 | 5273.0 | 0.0 | U/P |
| 6.408 | 7.5002 | 0.0000 | 87.830 | 0.70856 | 0.00000 | 41035.7 | 5294.2 | 0.0 | U/P |
| 6.417 | 7.5046 | 0.0000 | 87.847 | 0.71120 | 0.00000 | 41260.7 | 5315.5 | 0.0 | U/P |
| 6.425 | 7.5085 | 0.0000 | 87.863 | 0.71383 | 0.00000 | 41485.9 | 5336.8 | 0.0 | U/P |
| 6.433 | 7.5122 | 0.0000 | 87.880 | 0.71646 | 0.00000 | 41711.2 | 5358.3 | 0.0 | U/P |
| 6.442 | 7.5154 | 0.0000 | 87.896 | 0.71907 | 0.00000 | 41936.7 | 5379.8 | 0.0 | U/P |
| 6.450 | 7.5185 | 0.0000 | 87.913 | 0.72167 | 0.00000 | 42162.2 | 5401.4 | 0.0 | U/P |
| 6.458 | 7.5213 | 0.0000 | 87.929 | 0.72426 | 0.00000 | 42387.8 | 5423.1 | 0.0 | U/P |
| 6.467 | 7.5239 | 0.0000 | 87.945 | 0.72685 | 0.00000 | 42613.4 | 5444.9 | 0.0 | U/P |
| 6.475 | 7.5263 | 0.0000 | 87.961 | 0.72942 | 0.00000 | 42839.2 | 5466.7 | 0.0 | U/P |
| 6.483 | 7.5286 | 0.0000 | 87.977 | 0.73199 | 0.00000 | 43065.0 | 5488.7 | 0.0 | U/P |
| 6.492 | 7.5306 | 0.0000 | 87.993 | 0.73455 | 0.00000 | 43290.9 | 5510.7 | 0.0 | U/P |
| 6.500 | 7.5324 | 0.0000 | 88.009 | 0.73713 | 0.00000 | 43516.8 | 5532.7 | 0.0 | U/P |
| 6.508 | 7.5346 | 0.0000 | 88.025 | 0.73978 | 0.00000 | 43742.8 | 5554.9 | 0.0 | U/P |
| 6.517 | 7.5383 | 0.0000 | 88.041 | 0.74244 | 0.00000 | 43968.9 | 5577.1 | 0.0 | U/P |
| 6.525 | 7.5444 | 0.0000 | 88.057 | 0.74509 | 0.00000 | 44195.2 | 5599.4 | 0.0 | U/P |
| 6.533 | 7.5535 | 0.0000 | 88.073 | 0.74774 | 0.00000 | 44421.7 | 5621.8 | 0.0 | U/P |
| 6.542 | 7.5665 | 0.0000 | 88.089 | 0.75037 | 0.00000 | 44648.5 | 5644.3 | 0.0 | U/P |
| 6.550 | 7.5844 | 0.0000 | 88.104 | 0.75301 | 0.00000 | 44875.7 | 5666.9 | 0.0 | U/P |
| 6.558 | 7.6083 | 0.0000 | 88.120 | 0.75564 | 0.00000 | 45103.6 | 5689.5 | 0.0 | U/P |
| 6.567 | 7.6390 | 0.0000 | 88.136 | 0.75826 | 0.00000 | 45332.3 | 5712.2 | 0.0 | U/P |
| 6.575 | 7.6764 | 0.0000 | 88.152 | 0.76089 | 0.00000 | 45562.0 | 5735.0 | 0.0 | U/P |
| 6.583 | 7.7192 | 0.0000 | 88.167 | 0.76353 | 0.00000 | 45793.0 | 5757.8 | 0.0 | U/P |
| 6.592 | 7.7661 | 0.0000 | 88.183 | 0.76617 | 0.00000 | 46025.3 | 5780.8 | 0.0 | U/P |
| 6.600 | 7.8160 | 0.0000 | 88.199 | 0.76882 | 0.00000 | 46259.0 | 5803.8 | 0.0 | U/P |
| 6.608 | 7.8672 | 0.0000 | 88.215 | 0.77147 | 0.00000 | 46494.2 | 5826.9 | 0.0 | U/P |
| 6.617 | 7.9185 | 0.0000 | 88.231 | 0.77414 | 0.00000 | 46731.0 | 5850.1 | 0.0 | U/P |
| 6.625 | 7.9692 | 0.0000 | 88.247 | 0.77681 | 0.00000 | 46969.3 | 5873.4 | 0.0 | U/P |
| 6.633 | 8.0182 | 0.0000 | 88.263 | 0.77949 | 0.00000 | 47209.1 | 5896.7 | 0.0 | U/P |
| 6.642 | 8.0647 | 0.0000 | 88.279 | 0.78218 | 0.00000 | 47450.4 | 5920.1 | 0.0 | U/P |
| 6.650 | 8.1084 | 0.0000 | 88.295 | 0.78488 | 0.00000 | 47693.0 | 5943.6 | 0.0 | U/P |
| 6.658 | 8.1490 | 0.0000 | 88.311 | 0.78758 | 0.00000 | 47936.9 | 5967.2 | 0.0 | U/P |
| 6.667 | 8.1861 | 0.0000 | 88.328 | 0.79029 | 0.00000 | 48181.9 | 5990.9 | 0.0 | U/P |
| 6.675 | 8.2189 | 0.0000 | 88.344 | 0.79300 | 0.00000 | 48428.0 | 6014.6 | 0.0 | U/P |
| 6.683 | 8.2474 | 0.0000 | 88.360 | 0.79572 | 0.00000 | 48674.9 | 6038.5 | 0.0 | U/P |
| 6.692 | 8.2722 | 0.0000 | 88.376 | 0.79843 | 0.00000 | 48922.7 | 6062.4 | 0.0 | U/P |
| 6.700 | 8.2939 | 0.0000 | 88.393 | 0.80114 | 0.00000 | 49171.2 | 6086.4 | 0.0 | U/P |
| 6.708 | 8.3132 | 0.0000 | 88.409 | 0.80385 | 0.00000 | 49420.3 | 6110.5 | 0.0 | U/P |
| 6.717 | 8.3302 | 0.0000 | 88.425 | 0.80656 | 0.00000 | 49670.0 | 6134.6 | 0.0 | U/P |
| 6.725 | 8.3455 | 0.0000 | 88.441 | 0.80926 | 0.00000 | 49920.1 | 6158.9 | 0.0 | U/P |
| 6.733 | 8.3591 | 0.0000 | 88.457 | 0.81196 | 0.00000 | 50170.7 | 6183.2 | 0.0 | U/P |
| 6.742 | 8.3714 | 0.0000 | 88.473 | 0.81465 | 0.00000 | 50421.6 | 6207.6 | 0.0 | U/P |
| 6.750 | 8.3823 | 0.0000 | 88.489 | 0.81734 | 0.00000 | 50673.0 | 6232.1 | 0.0 | U/P |
| 6.758 | 8.3821 | 0.0000 | 88.505 | 0.82002 | 0.00000 | 50924.6 | 6256.6 | 0.0 | U/P |
| 6.767 | 8.4007 | 0.0000 | 88.521 | 0.82270 | 0.00000 | 51176.5 | 6281.3 | 0.0 | U/P |
| 6.775 | 8.4083 | 0.0000 | 88.537 | 0.82537 | 0.00000 | 51428.6 | 6306.0 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $4100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate (ft3/s) | Outside Recharge (fiday) | Stage Elevation (ft datum) | infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Cumulative Infiow <br> Volume ( $\mathrm{H}^{3}$ ) | Cumulative Infiltration Volume (ft ${ }^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 6.783 | 8.4152 | 0.0000 | 88.553 | 0.82803 | 0.00000 | 51680.9 | 6330.8 | 0.0 | U/P |
| 6.792 | 8.4213 | 0.0000 | 88.569 | 0.83069 | 0.00000 | 51933.5 | 6355.7 | 0.0 | U/P |
| 6.800 | 8.4269 | 0.0000 | 88.585 | 0.83333 | 0.00000 | 52186.2 | 6380.6 | 0.0 | U/P |
| 6.808 | 8.4318 | 0.0000 | 88.601 | 0.83597 | 0.00000 | 52439.1 | 6405.7 | 0.0 | U/P |
| 6.817 | 8.4362 | 0.0000 | 88.616 | 0.83861 | 0.00000 | 52692.1 | 6430.8 | 0.0 | U/P |
| 6.825 | 8.4401 | 0.0000 | 88.632 | 0.84123 | 0.00000 | 52945.3 | 6456.0 | 0.0 | U/P |
| 6.833 | 8.4437 | 0.0000 | 88.648 | 0.84385 | 0.00000 | 53198.5 | 6481.2 | 0.0 | U/P |
| 6.842 | 8.4469 | 0.0000 | 88.663 | 0.84646 | 0.00000 | 53451.9 | 6506.6 | 0.0 | U/P |
| 6.850 | 8.4497 | 0.0000 | 88.679 | 0.84906 | 0.00000 | 53705.3 | 6532.0 | 0.0 | U/P |
| 6.858 | 8.4523 | 0.0000 | 88.694 | 0.85166 | 0.00000 | 53958.9 | 6557.5 | 0.0 | U/P |
| 6.867 | 8.4547 | 0.0000 | 88.710 | 0.85424 | 0.00000 | 54212.5 | 6583.1 | 0.0 | U/P |
| 6.875 | 8.4569 | 0.0000 | 88.725 | 0.85682 | 0.00000 | 54466.1 | 6608.8 | 0.0 | U/P |
| 6.883 | 8.4588 | 0.0000 | 88.741 | 0.85939 | 0.00000 | 54719.9 | 6634.5 | 0.0 | U/P |
| 6.892 | 8.4606 | 0.0000 | 88.756 | 0.86196 | 0.00000 | 54973.7 | 6660.4 | 0.0 | U/P |
| 6.900 | 8.4622 | 0.0000 | 88.771 | 0.86451 | 0.00000 | 55227.5 | 6686.3 | 0.0 | U/P |
| 6.908 | 8.4637 | 0.0000 | 88.786 | 0.86706 | 0.00000 | 55481.4 | 6712.2 | 0.0 | U/P |
| 6.917 | 8.4651 | 0.0000 | 88.802 | 0.86960 | 0.00000 | 55735.3 | 6738.3 | 0.0 | U/P |
| 6.925 | 8.4663 | 0.0000 | 88.817 | 0.87213 | 0.00000 | 55989.3 | 6764.4 | 0.0 | U/P |
| 6.933 | 8.4675 | 0.0000 | 88.832 | 0.87465 | 0.00000 | 56243.3 | 6790.6 | 0.0 | U/P |
| 6.942 | 8.4686 | 0.0000 | 88.847 | 0.87717 | 0.00000 | 56497.3 | 6816.9 | 0.0 | U/P |
| 6.950 | 8.4696 | 0.0000 | 88.862 | 0.87968 | 0.00000 | 56751.4 | 6843.2 | 0.0 | U/P |
| 6.958 | 8.4706 | 0.0000 | 88.877 | 0.88218 | 0.00000 | 57005.5 | 6869.7 | 0.0 | U/P |
| 6.967 | 8.4715 | 0.0000 | 88.892 | 0.88467 | 0.00000 | 57259.6 | 6896.2 | 0.0 | U/P |
| 6.975 | 8.4723 | 0.0000 | 88.906 | 0.88716 | 0.00000 | 57513.8 | 6922.8 | 0.0 | U/P |
| 6.983 | 8.4731 | 0.0000 | 88.921 | 0.88964 | 0.00000 | 57768.0 | 6949.4 | 0.0 | U/P |
| 6.992 | 8.4739 | 0.0000 | 88.936 | 0.89211 | 0.00000 | 58022.2 | 6976.1 | 0.0 | U/P |
| 7.000 | 8.4746 | 0.0000 | 88.951 | 0.89457 | 0.00000 | 58276.4 | 7002.9 | 0.0 | U/P |
| 7.008 | 8.4754 | 0.0000 | 88.965 | 0.89703 | 0.00000 | 58530.7 | 7029.8 | 0.0 | U/P |
| 7.017 | 8.4793 | 0.0000 | 88.980 | 0.89947 | 0.00000 | 58785.0 | 7056.8 | 0.0 | U/P |
| 7.025 | 8.4890 | 0.0000 | 88.995 | 0.90192 | 0.00000 | 59039.5 | 7083.8 | 0.0 | U/P |
| 7.033 | 8.5066 | 0.0000 | 89.009 | 0.90464 | 0.00000 | 59294.4 | 7110.9 | 0.0 | U/P |
| 7.042 | 8.5334 | 0.0000 | 89.024 | 0.90780 | 0.00000 | 59550.0 | 7138.1 | 0.0 | U/P |
| 7.050 | 8.5725 | 0.0000 | 89.038 | 0.91114 | 0.00000 | 59806.6 | 7165.3 | 0.0 | U/P |
| 7.058 | 8.6267 | 0.0000 | 89.053 | 0.91447 | 0.00000 | 60064.6 | 7192.7 | 0.0 | U/P |
| 7.067 | 8.6983 | 0.0000 | 89.067 | 0.91782 | 0.00000 | 60324.5 | 7220.2 | 0.0 | U/P |
| 7.075 | 8.7891 | 0.0000 | 89.082 | 0.92118 | 0.00000 | 60586.8 | 7247.8 | 0.0 | U/P |
| 7.083 | 8.8962 | 0.0000 | 89.097 | 0.92457 | 0.00000 | 60852.1 | 7275.5 | 0.0 | U/P |
| 7.092 | 9.0160 | 0.0000 | 89.112 | 0.92799 | 0.00000 | 61120.8 | 7303.3 | 0.0 | U/P |
| 7.100 | 9.1453 | 0.0000 | 89.127 | 0.93145 | 0.00000 | 61393.2 | 7331.2 | 0.0 | U/P |
| 7.108 | 9.2804 | 0.0000 | 89.143 | 0.93494 | 0.00000 | 61669.6 | 7359.1 | 0.0 | U/P |
| 7.117 | 9.4166 | 0.0000 | 89.158 | 0.93848 | 0.00000 | 61950.0 | 7387.3 | 0.0 | U/P |
| 7.125 | 9.5523 | 0.0000 | 89.174 | 0.94206 | 0.00000 | 62234.6 | 7415.5 | 0.0 | U/P |
| 7.133 | 9.6851 | 0.0000 | 89.190 | 0.94569 | 0.00000 | 62523.1 | 7443.8 | 0.0 | U/P |
| 7.142 | 9.8118 | 0.0000 | 89.206 | 0.94935 | 0.00000 | 62815.6 | 7472.2 | 0.0 | U/P |
| 7.150 | 9.9314 | 0.0000 | 89.222 | 0.95305 | 0.00000 | 63111.7 | 7500.7 | 0.0 | U/P |
| 7.158 | 10.0431 | 0.0000 | 89.239 | 0.95679 | 0.00000 | 63411.3 | 7529.4 | 0.0 | U/P |
| 7.167 | 10.1458 | 0.0000 | 89.255 | 0.96055 | 0.00000 | 63714.2 | 7558.1 | 0.0 | U/P |
| 7.175 | 10.2384 | 0.0000 | 89.272 | 0.96434 | 0.00000 | 64019.9 | 7587.0 | 0.0 | U/P |
| 7.183 | 10.3187 | 0.0000 | 89.288 | 0.96815 | 0.00000 | 64328.3 | 7616.0 | 0.0 | U/P |
| 7.192 | 10.3882 | 0.0000 | 89.305 | 0.97198 | 0.00000 | 64638.9 | 7645.1 | 0.0 | U/P |
| 7.200 | 10.4486 | 0.0000 | 89.322 | 0.97582 | 0.00000 | 64951.5 | 7674.3 | 0.0 | U/P |
| 7.208 | 10.5019 | 0.0000 | 89.339 | 0.97967 | 0.00000 | 65265.7 | 7703.7 | 0.0 | U/P |
| 7.217 | 10.5491 | 0.0000 | 89.356 | 0.98352 | 0.00000 | 65581.5 | 7733.1 | 0.0 | U/P |
| 7.225 | 10.5909 | 0.0000 | 89.373 | 0.98738 | 0.00000 | 65898.6 | 7762.7 | 0.0 | U/P |
| 7.233 | 10.6280 | 0.0000 | 89.389 | 0.99123 | 0.00000 | 66216.8 | 7792.3 | 0.0 | U/P |
| 7.242 | 10.6615 | 0.0000 | 89.406 | 0.99509 | 0.00000 | 66536.2 | 7822.1 | 0.0 | U/P |
| 7.250 | 10.6912 | 0.0000 | 89.423 | 0.99894 | 0.00000 | 66856.5 | 7852.0 | 0.0 | U/P |
| 7.258 | 10.7177 | 0.0000 | 89.440 | 1.00278 | 0.00000 | 67177.6 | 7882.1 | 0.0 | U/P |
| 7.267 | 10.7411 | 0.0000 | 89.457 | 1.00663 | 0.00000 | 67499.5 | 7912.2 | 0.0 | U/P |
| 7.275 | 10.7615 | 0.0000 | 89.473 | 1.01046 | 0.00000 | 67822.0 | 7942.5 | 0.0 | U/P |
| 7.283 | 10.7798 | 0.0000 | 89.490 | 1.01429 | 0.00000 | 68145.2 | 7972.8 | 0.0 | U/P |
| 7.292 | 10.7961 | 0.0000 | 89.507 | 1.01810 | 0.00000 | 68468.8 | 8003.3 | 0.0 | U/P |
| 7.300 | 10.8106 | 0.0000 | 89.523 | 1.02191 | 0.00000 | 68792.9 | 8033.9 | 0.0 | U/P |
| 7.308 | 10.8235 | 0.0000 | 89.540 | 1.02571 | 0.00000 | 69117.4 | 8064.6 | 0.0 | U/P |
| 7.317 | 10.8348 | 0.0000 | 89.557 | 1.02950 | 0.00000 | 69442.3 | 8095.5 | 0.0 | U/P |
| 7.325 | 10.8449 | 0.0000 | 89.573 | 1.03327 | 0.00000 | 69767.5 | 8126.4 | 0.0 | U/P |
| 7.333 | 10.8539 | 0.0000 | 89.589 | 1.03704 | 0.00000 | 70093.0 | 8157.5 | 0.0 | U/P |
| 7.342 | 10.8618 | 0.0000 | 89.606 | 1.04079 | 0.00000 | 70418.7 | 8188.6 | 0.0 | U/P |
| 7.350 | 10.8689 | 0.0000 | 89.622 | 1.04453 | 0.00000 | 70744.7 | 8219.9 | 0.0 | U/P |
| 7.358 | 10.8753 | 0.0000 | 89.638 | 1.04826 | 0.00000 | 71070.8 | 8251.3 | 0.0 | U/P |
| 7.367 | 10.8809 | 0.0000 | 89.655 | 1.05198 | 0.00000 | 71397.2 | 8282.8 | 0.0 | U/P |
| 7.375 | 10.8860 | 0.0000 | 89.671 | 1.05569 | 0.00000 | 71723.7 | 8314.4 | 0.0 | U/P |
| 7.383 | 10.8905 | 0.0000 | 89.687 | 1.05938 | 0.00000 | 72050.3 | 8346.2 | 0.0 | U/P |
| 7.392 | 10.8946 | 0.0000 | 89.703 | 1.06306 | 0.00000 | 72377.1 | 8378.0 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 4100 yr/24 hr

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Overfiow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 7.400 | 10.8982 | 0.0000 | 89.719 | 1.06673 | 0.00000 | 72704.0 | 8409.9 | 0.0 | U/P |
| 7.408 | 10.9015 | 0.0000 | 89.735 | 1.07038 | 0.00000 | 73031.0 | 8442.0 | 0.0 | U/P |
| 7.417 | 10.9044 | 0.0000 | 89.751 | 1.07402 | 0.00000 | 73358.1 | 8474.2 | 0.0 | U/P |
| 7.425 | 10.9070 | 0.0000 | 89.767 | 1.07765 | 0.00000 | 73685.2 | 8506.4 | 0.0 | U/P |
| 7.433 | 10.9093 | 0.0000 | 89.782 | 1.08127 | 0.00000 | 74012.5 | 8538.8 | 0.0 | U/P |
| 7.442 | 10.9115 | 0.0000 | 89.798 | 1.08488 | 0.00000 | 74339.8 | 8571.3 | 0.0 | U/P |
| 7.450 | 10.9134 | 0.0000 | 89.814 | 1.08847 | 0.00000 | 74667.2 | 8603.9 | 0.0 | U/P |
| 7.458 | 10.9152 | 0.0000 | 89.829 | 1.09205 | 0.00000 | 74994.6 | 8636.6 | 0.0 | U/P |
| 7.467 | 10.9168 | 0.0000 | 89.845 | 1.09562 | 0.00000 | 75322.1 | 8669.4 | 0.0 | U/P |
| 7.475 | 10.9184 | 0.0000 | 89.860 | 1.09917 | 0.00000 | 75649.6 | 8702.4 | 0.0 | U/P |
| 7.483 | 10.9198 | 0.0000 | 89.876 | 1.10271 | 0.00000 | 75977.2 | 8735.4 | 0.0 | U/P |
| 7.492 | 10.9210 | 0.0000 | 89.891 | 1.10625 | 0.00000 | 76304.8 | 8768.5 | 0.0 | U/P |
| 7.500 | 10.9222 | 0.0000 | 89.907 | 1.10976 | 0.00000 | 76632.4 | 8801.8 | 0.0 | U/P |
| 7.508 | 10.9232 | 0.0000 | 89.922 | 1.11327 | 0.00000 | 76960.1 | 8835.1 | 0.0 | U/P |
| 7.517 | 10.9262 | 0.0000 | 89.937 | 1.11677 | 0.00000 | 77287.9 | 8868.6 | 0.0 | U/P |
| 7.525 | 10.9346 | 0.0000 | 89.952 | 1.12025 | 0.00000 | 77615.8 | 8902.1 | 0.0 | U/P |
| 7.533 | 10.9514 | 0.0000 | 89.968 | 1.12373 | 0.00000 | 77944.1 | 8935.8 | 0.0 | U/P |
| 7.542 | 10.9784 | 0.0000 | 89.983 | 1.12720 | 0.00000 | 78273.0 | 8969.5 | 0.0 | U/P |
| 7.550 | 11.0185 | 0.0000 | 89.998 | 1.13066 | 0.00000 | 78603.0 | 9003.4 | 0.0 | U/P |
| 7.558 | 11.0752 | 0.0000 | 90.013 | 1.13402 | 0.00000 | 78934.4 | 9037.4 | 0.0 | U/P |
| 7.567 | 11.1516 | 0.0000 | 90.028 | 1.13724 | 0.00000 | 79267.8 | 9071.4 | 0.0 | U/P |
| 7.575 | 11.2505 | 0.0000 | 90.044 | 1.14046 | 0.00000 | 79603.8 | 9105.6 | 0.0 | U/P |
| 7.583 | 11.3707 | 0.0000 | 90.059 | 1.14370 | 0.00000 | 79943.1 | 9139.9 | 0.0 | U/P |
| 7.592 | 11.5084 | 0.0000 | 90.075 | 1.14696 | 0.00000 | 80286.3 | 9174.2 | 0.0 | U/P |
| 7.600 | 11.6595 | 0.0000 | 90.090 | 1.15027 | 0.00000 | 80633.8 | 9208.7 | 0.0 | U/P |
| 7.608 | 11.8198 | 0.0000 | 90.106 | 1.15360 | 0.00000 | 80986.0 | 9243.2 | 0.0 | U/P |
| 7.617 | 11.9841 | 0.0000 | 90.122 | 1.15698 | 0.00000 | 81343.1 | 9277.9 | 0.0 | U/P |
| 7.625 | 12.1487 | 0.0000 | 90.139 | 1.16040 | 0.00000 | 81705.1 | 9312.7 | 0.0 | U/P |
| 7.633 | 12.3113 | 0.0000 | 90.155 | 1.16386 | 0.00000 | 82072.0 | 9347.5 | 0.0 | U/P |
| 7.642 | 12.4682 | 0.0000 | 90.172 | 1.16736 | 0.00000 | 82443.7 | 9382.5 | 0.0 | U/P |
| 7.650 | 12.6171 | 0.0000 | 90.189 | 1.17089 | 0.00000 | 82819.9 | 9417.6 | 0.0 | U/P |
| 7.658 | 12.7569 | 0.0000 | 90.206 | 1.17446 | 0.00000 | 83200.5 | 9452.8 | 0.0 | U/P |
| 7.667 | 12.8864 | 0.0000 | 90.223 | 1.17806 | 0.00000 | 83585.2 | 9488.0 | 0.0 | U/P |
| 7.675 | 13.0044 | 0.0000 | 90.240 | 1.18169 | 0.00000 | 83973.6 | 9523.4 | 0.0 | U/P |
| 7.683 | 13.1086 | 0.0000 | 90.258 | 1.18534 | 0.00000 | 84365.2 | 9558.9 | 0.0 | U/P |
| 7.692 | 13.1989 | 0.0000 | 90.275 | 1.18902 | 0.00000 | 84759.9 | 9594.6 | 0.0 | U/P |
| 7.700 | 13.2771 | 0.0000 | 90.293 | 1.19271 | 0.00000 | 85157.0 | 9630.3 | 0.0 | U/P |
| 7.708 | 13.3456 | 0.0000 | 90.310 | 1.19641 | 0.00000 | 85556.3 | 9666.1 | 0.0 | U/P |
| 7.717 | 13.4061 | 0.0000 | 90.328 | 1.20011 | 0.00000 | 85957.6 | 9702.1 | 0.0 | U/P |
| 7.725 | 13.4597 | 0.0000 | 90.346 | 1.20383 | 0.00000 | 86360.6 | 9738.1 | 0.0 | U/P |
| 7.733 | 13.5072 | 0.0000 | 90.363 | 1.20755 | 0.00000 | 86765.1 | 9774.3 | 0.0 | U/P |
| 7.742 | 13.5497 | 0.0000 | 90.381 | 1.21127 | 0.00000 | 87171.0 | 9810.6 | 0.0 | U/P |
| 7.750 | 13.5877 | 0.0000 | 90.399 | 1.21499 | 0.00000 | 87578.0 | 9847.0 | 0.0 | U/P |
| 7.758 | 13.6215 | 0.0000 | 90.416 | 1.21871 | 0.00000 | 87986.2 | 9883.5 | 0.0 | U/P |
| 7.767 | 13.6514 | 0.0000 | 90.434 | 1.22242 | 0.00000 | 88395.2 | 9920.1 | 0.0 | U/P |
| 7.775 | 13.6777 | 0.0000 | 90.451 | 1.22614 | 0.00000 | 88805.2 | 9956.8 | 0.0 | U/P |
| 7.783 | 13.7009 | 0.0000 | 90.469 | 1.22984 | 0.00000 | 89215.9 | 9993.7 | 0.0 | U/P |
| 7.792 | 13.7216 | 0.0000 | 90.487 | 1.23355 | 0.00000 | 89627.2 | 10030.6 | 0.0 | U/P |
| 7.800 | 13.7400 | 0.0000 | 90.504 | 1.23725 | 0.00000 | 90039.1 | 10067.7 | 0.0 | U/P |
| 7.808 | 13.7564 | 0.0000 | 90.522 | 1.24094 | 0.00000 | 90451.6 | 10104.9 | 0.0 | U/P |
| 7.817 | 13.7708 | 0.0000 | 90.539 | 1.24462 | 0.00000 | 90864.5 | 10142.1 | 0.0 | U/P |
| 7.825 | 13.7836 | 0.0000 | 90.557 | 1.24830 | 0.00000 | 91277.8 | 10179.5 | 0.0 | U/P |
| 7.833 | 13.7950 | 0.0000 | 90.574 | 1.25196 | 0.00000 | 91691.5 | 10217.0 | 0.0 | U/P |
| 7.842 | 13.8050 | 0.0000 | 90.591 | 1.25562 | 0.00000 | 92105.5 | 10254.6 | 0.0 | U/P |
| 7.850 | 13.8139 | 0.0000 | 90.609 | 1.25928 | 0.00000 | 92519.8 | 10292.4 | 0.0 | U/P |
| 7.858 | 13.8218 | 0.0000 | 90.626 | 1.26292 | 0.00000 | 92934.3 | 10330.2 | 0.0 | U/P |
| 7.867 | 13.8288 | 0.0000 | 90.643 | 1.26655 | 0.00000 | 93349.1 | 10368.1 | 0.0 | U/P |
| 7.875 | 13.8352 | 0.0000 | 90.660 | 1.27017 | 0.00000 | 93764.0 | 10406.2 | 0.0 | U/P |
| 7.883 | 13.8409 | 0.0000 | 90.677 | 1.27379 | 0.00000 | 94179.2 | 10444.4 | 0.0 | U/P |
| 7.892 | 13.8459 | 0.0000 | 90.694 | 1.27739 | 0.00000 | 94594.5 | 10482.6 | 0.0 | U/P |
| 7.900 | 13.8504 | 0.0000 | 90.711 | 1.28098 | 0.00000 | 95009.9 | 10521.0 | 0.0 | U/P |
| 7.908 | 13.8543 | 0.0000 | 90.728 | 1.28457 | 0.00000 | 95425.5 | 10559.5 | 0.0 | U/P |
| 7.917 | 13.8579 | 0.0000 | 90.745 | 1.28814 | 0.00000 | 95841.2 | 10598.1 | 0.0 | U/P |
| 7.925 | 13.8611 | 0.0000 | 90.762 | 1.29171 | 0.00000 | 96256.9 | 10636.8 | 0.0 | U/P |
| 7.933 | 13.8639 | 0.0000 | 90.779 | 1.29526 | 0.00000 | 96672.8 | 10675.6 | 0.0 | U/P |
| 7.942 | 13.8665 | 0.0000 | 90.796 | 1.29881 | 0.00000 | 97088.8 | 10714.5 | 0.0 | U/P |
| 7.950 | 13.8688 | 0.0000 | 90.813 | 1.30234 | 0.00000 | 97504.8 | 10753.5 | 0.0 | U/P |
| 7.958 | 13.8709 | 0.0000 | 90.829 | 1.30587 | 0.00000 | 97920.9 | 10792.6 | 0.0 | U/P |
| 7.967 | 13.8728 | 0.0000 | 90.846 | 1.30938 | 0.00000 | 98337.1 | 10831.9 | 0.0 | U/P |
| 7.975 | 13.8745 | 0.0000 | 90.863 | 1.31289 | 0.00000 | 98753.3 | 10871.2 | 0.0 | U/P |
| 7.983 | 13.8762 | 0.0000 | 90.879 | 1.31638 | 0.00000 | 99169.5 | 10910.6 | 0.0 | U/P |
| 7.992 | 13.8776 | 0.0000 | 90.896 | 1.31987 | 0.00000 | 99585.8 | 10950.2 | 0.0 | U/P |
| 8.000 | 13.8824 | 0.0000 | 90.912 | 1.32334 | 0.00000 | 100002.2 | 10989.8 | 0.0 | U/P |
| 8.008 | 13.8936 | 0.0000 | 90.929 | 1.32681 | 0.00000 | 100418.9 | 11029.6 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 4100 yr/24 hr

| Elapsed Time (hours) | Inflow Rate (fis/s) | Outside Recharge (flday) | Stage Elevation (ft datum) | Insitration Rate ( $\mathrm{f}_{1}{ }^{3} \mathrm{~s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 8.017 | 13.9138 | 0.0000 | 90.945 | 1.33027 | 0.00000 | 100836.0 | 11069.4 | 0.0 | U/P |
| 8.025 | 13.9445 | 0.0000 | 90.961 | 1.33373 | 0.00000 | 101253.8 | 11109.4 | 0.0 | U/P |
| 8.033 | 13.9892 | 0.0000 | 90.978 | 1.33718 | 0.00000 | 101672.9 | 11149.5 | 0.0 | U/P |
| 8.042 | 14.0512 | 0.0000 | 90.994 | 1.34064 | 0.00000 | 102093.5 | 11189.6 | 0.0 | U/P |
| 8.050 | 14.1333 | 0.0000 | 91.011 | 1.34413 | 0.00000 | 102516.2 | 11229.9 | 0.0 | U/P |
| 8.058 | 14.2379 | 0.0000 | 91.027 | 1.34765 | 0.00000 | 102941.8 | 11270.3 | 0.0 | U/P |
| 8.067 | 14.3615 | 0.0000 | 91.044 | 1.35120 | 0.00000 | 103370.8 | 11310.8 | 0.0 | U/P |
| 8.075 | 14.5004 | 0.0000 | 91.061 | 1.35478 | 0.00000 | 103803.7 | 11351.3 | 0.0 | U/P |
| 8.083 | 14.6507 | 0.0000 | 91.078 | 1.35838 | 0.00000 | 104241.0 | 11392.0 | 0.0 | U/P |
| 8.092 | 14.8082 | 0.0000 | 91.095 | 1.36201 | 0.00000 | 104682.9 | 11432.8 | 0.0 | U/P |
| 8.100 | 14.9672 | 0.0000 | 91.112 | 1.36568 | 0.00000 | 105129.5 | 11473.8 | 0.0 | U/P |
| 8.108 | 15.1258 | 0.0000 | 91.129 | 1.36938 | 0.00000 | 105580.9 | 11514.8 | 0.0 | U/P |
| 8.117 | 15.2814 | 0.0000 | 91.147 | 1.37311 | 0.00000 | 106037.0 | 11555.9 | 0.0 | U/P |
| 8.125 | 15.4300 | 0.0000 | 91.164 | 1.37687 | 0.00000 | 106497.7 | 11597.2 | 0.0 | U/P |
| 8.133 | 15.5703 | 0.0000 | 91.182 | 1.38065 | 0.00000 | 106962.7 | 11638.5 | 0.0 | U/P |
| 8.142 | 15.7014 | 0.0000 | 91.200 | 1.38447 | 0.00000 | 107431.8 | 11680.0 | 0.0 | U/P |
| 8.150 | 15.8223 | 0.0000 | 91.218 | \{.38831 | 0.00000 | 107904.6 | 11721.6 | 0.0 | U/P |
| 8.158 | 15.9313 | 0.0000 | 91.236 | 1.39216 | 0.00000 | 108380.9 | 11763.3 | 0.0 | U/P |
| 8.167 | 16.0260 | 0.0000 | 91.254 | \$.39604 | 0.00000 | 108860.3 | 11805.1 | 0.0 | U/P |
| 8.175 | 16.1080 | 0.0000 | 91.272 | 1.39993 | 0.00000 | 109342.3 | 11847.1 | 0.0 | U/P |
| 8.183 | 16.1791 | 0.0000 | 91.291 | 1.40383 | 0.00000 | 109826.6 | 11889.1 | 0.0 | U/P |
| 8.192 | 16.2418 | 0.0000 | 91.309 | 1.40774 | 0.00000 | 110312.9 | 11931.3 | 0.0 | U/P |
| 8.200 | 16.2973 | 0.0000 | 91.327 | 1.41165 | 0.00000 | 110801.0 | 11973.6 | 0.0 | U/P |
| 8.208 | 16.3464 | 0.0000 | 91.345 | 1.41556 | 0.00000 | 111290.6 | 12016.0 | 0.0 | U/P |
| 8.217 | 16.3900 | 0.0000 | 91.364 | 1.41948 | 0.00000 | 111781.7 | 12058.5 | 0.0 | U/P |
| 8.225 | 16.4292 | 0.0000 | 91.382 | 1.42339 | 0.00000 | 112274.0 | 12101.2 | 0.0 | U/P |
| 8.233 | 16.4640 | 0.0000 | 91.400 | 1.42730 | 0.00000 | 112767.4 | 12143.9 | 0.0 | U/P |
| 8.242 | 16.4950 | 0.0000 | 91.418 | 1.43122 | 0.00000 | 113261.8 | 12186.8 | 0.0 | U/P |
| 8.250 | 16.5224 | 0.0000 | 91.437 | 1.43512 | 0.00000 | 113757.0 | 12229.8 | 0.0 | U/P |
| 8.258 | 16.5462 | 0.0000 | 91.455 | 1.43903 | 0.00000 | 114253.0 | 12272.9 | 0.0 | U/P |
| 8.267 | 16.5676 | 0.0000 | 91.473 | 1.44292 | 0.00000 | 114749.8 | 12316.1 | 0.0 | U/P |
| 8.275 | 16.5866 | 0.0000 | 91.491 | 1.44681 | 0.00000 | 115247.1 | 12359.5 | 0.0 | U/P |
| 8.283 | 16.6033 | 0.0000 | 91.509 | 1.45070 | 0.00000 | 115744.9 | 12403.0 | 0.0 | U/P |
| 8.292 | 16.6183 | 0.0000 | 91.527 | 1.45458 | 0.00000 | 116243.2 | 12446.5 | 0.0 | U/P |
| 8.300 | 16.6315 | 0.0000 | 91.545 | 1.45845 | 0.00000 | 116742.0 | 12490.2 | 0.0 | U/P |
| 8.308 | 16.6432 | 0.0000 | 91.564 | 1.46231 | 0.00000 | 117241.1 | 12534.0 | 0.0 | U/P |
| 8.317 | 16.6536 | 0.0000 | 91.582 | 1.46616 | 0.00000 | 117740.6 | 12578.0 | 0.0 | U/P |
| 8.325 | 16.6626 | 0.0000 | 91.599 | 1.47001 | 0.00000 | 118240.3 | 12622.0 | 0.0 | U/P |
| 8.333 | 16.6708 | 0.0000 | 91.617 | 1.47384 | 0.00000 | 118740.3 | 12666.2 | 0.0 | U/P |
| 8.342 | 16.6780 | 0.0000 | 91.635 | 1.47767 | 0.00000 | 119240.5 | 12710.4 | 0.0 | U/P |
| 8.350 | 16.6844 | 0.0000 | 91.653 | 1.48149 | 0.00000 | 119741.0 | 12754.8 | 0.0 | U/P |
| 8.358 | 16.6902 | 0.0000 | 91.671 | 1.48530 | 0.00000 | 120241.6 | 12799.3 | 0.0 | U/P |
| 8.367 | 16.6953 | 0.0000 | 91.689 | 1.48910 | 0.00000 | 120742.4 | 12843.9 | 0.0 | U/P |
| 8.375 | 16.6988 | 0.0000 | 91.706 | 1.49289 | 0.00000 | 121243.3 | 12888.7 | 0.0 | U/P |
| 8.383 | 16.7039 | 0.0000 | 91.724 | 1.49667 | 0.00000 | 121744.3 | 12933.5 | 0.0 | U/P |
| 8.392 | 16.7075 | 0.0000 | 91.741 | 1.50045 | 0.00000 | 122245.5 | 12978.5 | 0.0 | U/P |
| 8.400 | 16.7107 | 0.0000 | 91.759 | 1.50421 | 0.00000 | 122746.8 | 13023.5 | 0.0 | U/P |
| 8.408 | 16.7136 | 0.0000 | 91.776 | 1.50796 | 0.00000 | 123248.1 | 13068.7 | 0.0 | U/P |
| 8.417 | 16.7161 | 0.0000 | 91.794 | 1.51171 | 0.00000 | 123749.6 | 13114.0 | 0.0 | U/P |
| 8.425 | 16.7184 | 0.0000 | 91.811 | 1.51544 | 0.00000 | 124251.1 | 13159.4 | 0.0 | U/P |
| 8.433 | 16.7205 | 0.0000 | 91.829 | 1.51917 | 0.00000 | 124752.7 | 13204.9 | 0.0 | U/P |
| 8.442 | 16.7223 | 0.0000 | 91.846 | 1.52288 | 0.00000 | 125254.3 | 13250.6 | 0.0 | U/P |
| 8.450 | 16.7241 | 0.0000 | 91.863 | 1.52659 | 0.00000 | 125756.0 | 13296.3 | 0.0 | U/P |
| 8.458 | 16.7257 | 0.0000 | 91.881 | 1.53028 | 0.00000 | 126257.8 | 13342.2 | 0.0 | U/P |
| 8.467 | 16.7271 | 0.0000 | 91.898 | 1.53397 | 0.00000 | 126759.6 | 13388.1 | 0.0 | U/P |
| 8.475 | 16.7284 | 0.0000 | 91.915 | 1.53765 | 0.00000 | 127261.4 | 13434.2 | 0.0 | U/P |
| 8.483 | 16.7295 | 0.0000 | 91.932 | 1.54131 | 0.00000 | 127763.3 | 13480.4 | 0.0 | U/P |
| 8.492 | 16.7305 | 0.0000 | 91.949 | 1.54497 | 0.00000 | 128265.2 | 13526.7 | 0.0 | U/P |
| 8.500 | 16.7314 | 0.0000 | 91.966 | 1.54862 | 0.00000 | 128767.1 | 13573.1 | 0.0 | U/P |
| 8.508 | 16.7322 | 0.0000 | 91.983 | 1.55226 | 0.00000 | 129269.1 | 13619.6 | 0.0 | U/P |
| 8.517 | 16.7328 | 0.0000 | 92.000 | 1.55589 | 0.00000 | 129771.0 | 13666.2 | 0.0 | U/P |
| 8.525 | 16.7333 | 0.0000 | 92.017 | 1.55955 | 0.00000 | 130273.0 | 13713.0 | 0.0 | U/P |
| 8.533 | 16.7337 | 0.0000 | 92.034 | 1.56322 | 0.00000 | 130775.0 | 13759.8 | 0.0 | U/P |
| 8.542 | 16.7340 | 0.0000 | 92.051 | 1.56688 | 0.00000 | 131277.0 | 13806.8 | 0.0 | U/P |
| 8.550 | 16.7342 | 0.0000 | 92.067 | 1.57053 | 0.00000 | 131779.1 | 13853.8 | 0.0 | U/P |
| 8.558 | 16.7343 | 0.0000 | 92.084 | 1.57418 | 0.00000 | 132281.1 | 13901.0 | 0.0 | U/P |
| 8.567 | 16.7345 | 0.0000 | 92.101 | 1.57781 | 0.00000 | 132783.1 | 13948.3 | 0.0 | U/P |
| 8.575 | 16.7347 | 0.0000 | 92.117 | 1.58144 | 0.00000 | 133285.2 | 13995.7 | 0.0 | U/P |
| 8.583 | 16.7349 | 0.0000 | 92.134 | 1.58506 | 0.00000 | 133787.2 | 14043.2 | 0.0 | U/P |
| 8.592 | 16.7350 | 0.0000 | 92.151 | 1.58866 | 0.00000 | 134289.3 | 14090.8 | 0.0 | U/P |
| 8.600 | 16.7352 | 0.0000 | 92.167 | 1.59226 | 0.00000 | 134791.3 | 14138.5 | 0.0 | U/P |
| 8.608 | 16.7354 | 0.0000 | 92.184 | 1.59585 | 0.00000 | 135293.4 | 14186.3 | 0.0 | U/P |
| 8.617 | 16.7355 | 0.0000 | 92.200 | 1.59943 | 0.00000 | 135795.4 | 14234.2 | 0.0 | U/P |
| 8.625 | 16.7357 | 0.0000 | 92.216 | 1.60300 | 0.00000 | 136297.5 | 14282.3 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 4100 yr/24 hr

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (fl datum) | Infiltration Rate ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume (fis) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume (fis) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 8.633 | 16.7358 | 0.0000 | 92.233 | 1.60657 | 0.00000 | 136799.6 | 14330.4 | 0.0 | U/P |
| 8.642 | 16.7360 | 0.0000 | 92.249 | 1.61012 | 0.00000 | 137301.6 | 14378.7 | 0.0 | U/P |
| 8.650 | 16.7362 | 0.0000 | 92.265 | 1.61367 | 0.00000 | 137803.7 | 14427.0 | 0.0 | U/P |
| 8.658 | 16.7363 | 0.0000 | 92.282 | 1.61720 | 0.00000 | 138305.8 | 14475.5 | 0.0 | U/P |
| 8.667 | 16.7365 | 0.0000 | 92.298 | 1.62073 | 0.00000 | 138807.9 | 14524.0 | 0.0 | U/P |
| 8.675 | 16.7366 | 0.0000 | 92.314 | 1.62425 | 0.00000 | 139310.0 | 14572.7 | 0.0 | U/P |
| 8.683 | 16.7368 | 0.0000 | 92.330 | 1.62777 | 0.00000 | 139812.1 | 14621.5 | 0.0 | U/P |
| 8.692 | 16.7369 | 0.0000 | 92.346 | 1.63127 | 0.00000 | 140314.2 | 14670.4 | 0.0 | U/P |
| 8.700 | 16.7371 | 0.0000 | 92.362 | 1.63476 | 0.00000 | 140816.3 | 14719.4 | 0.0 | U/P |
| 8.708 | 16.7372 | 0.0000 | 92.378 | 1.63825 | 0.00000 | 141318.4 | 14768.5 | 0.0 | U/P |
| 8.717 | 16.7374 | 0.0000 | 92.394 | 1.64173 | 0.00000 | 141820.6 | 14817.7 | 0.0 | U/P |
| 8.725 | 16.7375 | 0.0000 | 92.410 | 1.64520 | 0.00000 | 142322.7 | 14867.0 | 0.0 | U/P |
| 8.733 | 16.7377 | 0.0000 | 92.426 | 1.64866 | 0.00000 | 142824.8 | 14916.4 | 0.0 | U/P |
| 8.742 | 16.7378 | 0.0000 | 92.442 | 1.65212 | 0.00000 | 143326.9 | 14965.9 | 0.0 | U/P |
| 8.750 | 16.7380 | 0.0000 | 92.458 | 1.65557 | 0.00000 | 143829.1 | 15015.5 | 0.0 | U/P |
| 8.758 | 16.7381 | 0.0000 | 92.473 | 1.65900 | 0.00000 | 144331.2 | 15065.2 | 0.0 | U/P |
| 8.767 | 16.7383 | 0.0000 | 92.489 | 1.66244 | 0.00000 | 144833.4 | 15115.0 | 0.0 | U/P |
| 8.775 | 16.7384 | 0.0000 | 92.505 | 1.66586 | 0.00000 | 145335.5 | 15165.0 | 0.0 | U/P |
| 8.783 | 16.7385 | 0.0000 | 92.520 | 1.66927 | 0.00000 | 145837.7 | 15215.0 | 0.0 | U/P |
| 8.792 | 16.7387 | 0.0000 | 92.536 | 1.67268 | 0.00000 | 146339.8 | 15265.1 | 0.0 | U/P |
| 8.800 | 16.7388 | 0.0000 | 92.552 | 1.67608 | 0.00000 | 146842.0 | 15315.4 | 0.0 | U/P |
| 8.808 | 16.7389 | 0.0000 | 92.567 | 1.67947 | 0.00000 | 147344.2 | 15365.7 | 0.0 | U/P |
| 8.817 | 16.7391 | 0.0000 | 92.583 | 1.68286 | 0.00000 | 147846.3 | 15416.1 | 0.0 | U/P |
| 8.825 | 16.7392 | 0.0000 | 92.598 | 1.68624 | 0.00000 | 148348.5 | 15466.7 | 0.0 | U/P |
| 8.833 | 16.7393 | 0.0000 | 92.614 | 1.68961 | 0.00000 | 148850.7 | 15517.3 | 0.0 | U/P |
| 8.842 | 16.7395 | 0.0000 | 92.629 | 1.69297 | 0.00000 | 149352.9 | 15568.0 | 0.0 | U/P |
| 8.850 | 16.7396 | 0.0000 | 92.645 | 1.69632 | 0.00000 | 149855.0 | 15618.9 | 0.0 | U/P |
| 8.858 | 16.7397 | 0.0000 | 92.660 | \{.69967 | 0.00000 | 150357.2 | 15669.8 | 0.0 | U/P |
| 8.867 | 16.7399 | 0.0000 | 92.675 | 1.70301 | 0.00000 | 150859.4 | 15720.9 | 0.0 | U/P |
| 8.875 | 16.7400 | 0.0000 | 92.691 | 1.70634 | 0.00000 | 151361.6 | 15772.0 | 0.0 | U/P |
| 8.883 | 16.7401 | 0.0000 | 92.706 | 1.70967 | 0.00000 | 151863.8 | 15823.2 | 0.0 | U/P |
| 8.892 | 16.7402 | 0.0000 | 92.721 | 1.71299 | 0.00000 | 152366.0 | 15874.6 | 0.0 | U/P |
| 8.900 | 16.7404 | 0.0000 | 92.736 | 1.71630 | 0.00000 | 152868.2 | 15926.0 | 0.0 | U/P |
| 8.908 | 16.7405 | 0.0000 | 92.751 | 1.71961 | 0.00000 | 153370.5 | 15977.6 | 0.0 | U/P |
| 8.917 | 16.7406 | 0.0000 | 92.767 | 1.72290 | 0.00000 | 153872.7 | 16029.2 | 0.0 | U/P |
| 8.925 | 16.7407 | 0.0000 | 92.782 | 1.72619 | 0.00000 | 154374.9 | 16080.9 | 0.0 | U/P |
| 8.933 | 16.7408 | 0.0000 | 92.797 | 1.72948 | 0.00000 | 154877.1 | 16132.8 | 0.0 | U/P |
| 8.942 | 16.7410 | 0.0000 | 92.812 | 1.73275 | 0.00000 | 155379.3 | 16184.7 | 0.0 | U/P |
| 8.950 | 16.7411 | 0.0000 | 92.827 | 1.73602 | 0.00000 | 155881.6 | 16236.7 | 0.0 | U/P |
| 8.958 | 16.7412 | 0.0000 | 92.842 | 1.73929 | 0.00000 | 156383.8 | 16288.9 | 0.0 | U/P |
| 8.967 | 16.7413 | 0.0000 | 92.857 | 1.74254 | 0.00000 | \$56886.0 | 16341.1 | 0.0 | U/P |
| 8.975 | 16.7414 | 0.0000 | 92.872 | 1.74579 | 0.00000 | 157388.3 | 16393.4 | 0.0 | U/P |
| 8.983 | 16.7415 | 0.0000 | 92.887 | 1.74903 | 0.00000 | 157890.5 | 16445.8 | 0.0 | U/P |
| 8.992 | 16.7416 | 0.0000 | 92.901 | 1.75227 | 0.00000 | 158392.8 | 16498.4 | 0.0 | U/P |
| 9.000 | 16.7417 | 0.0000 | 92.916 | 1.75550 | 0.00000 | 158895.0 | 16551.0 | 0.0 | U/P |
| 9.008 | 16.7355 | 0.0000 | 92.931 | 1.75872 | 0.00000 | 159397.2 | 16603.7 | 0.0 | U/P |
| 9.017 | 16.7173 | 0.0000 | 92.946 | 1.76194 | 0.00000 | 159899.0 | 16656.5 | 0.0 | U/P |
| 9.025 | 16.6829 | 0.0000 | 92.960 | 1.76514 | 0.00000 | 160400.0 | 16709.4 | 0.0 | U/P |
| 9.033 | 16.6294 | 0.0000 | 92.975 | 1.76833 | 0.00000 | 160899.7 | 16762.4 | 0.0 | U/P |
| 9.042 | 16.5506 | 0.0000 | 92.990 | 1.77150 | 0.00000 | 161397.4 | 16815.5 | 0.0 | U/P |
| 9.050 | 16.4407 | 0.0000 | 93.004 | 1.77466 | 0.00000 | 161892.2 | 16868.7 | 0.0 | U/P |
| 9.058 | 16.2949 | 0.0000 | 93.018 | 1.77780 | 0.00000 | 162383.3 | 16922.0 | 0.0 | U/P |
| 9.067 | 16.1089 | 0.0000 | 93.032 | 1.78093 | 0.00000 | 162869.3 | 16975.4 | 0.0 | U/P |
| 9.075 | 15.8891 | 0.0000 | 93.046 | 1.78402 | 0.00000 | 163349.3 | 17028.8 | 0.0 | U/P |
| 9.083 | 15.6425 | 0.0000 | 93.060 | 1.78705 | 0.00000 | 163822.3 | 17082.4 | 0.0 | U/P |
| 9.092 | 15.3761 | 0.0000 | 93.073 | 1.79002 | 0.00000 | 164287.5 | 17136.1 | 0.0 | U/P |
| 9.100 | 15.0970 | 0.0000 | 93.086 | 1.79293 | 0.00000 | 164744.6 | 17189.8 | 0.0 | U/P |
| 9.108 | 14.8159 | 0.0000 | 93.099 | 1.79577 | 0.00000 | 165193.3 | 17243.6 | 0.0 | U/P |
| 9.117 | 14.5354 | 0.0000 | 93.111 | 1.79855 | 0.00000 | 165633.6 | 17297.6 | 0.0 | U/P |
| 9.125 | 14.2606 | 0.0000 | 93.123 | 1.80127 | 0.00000 | 166065.5 | 17351.5 | 0.0 | U/P |
| 9.133 | 13.9985 | 0.0000 | 93.135 | 1.80392 | 0.00000 | 166489.4 | 17405.6 | 0.0 | U/P |
| 9.142 | 13.7511 | 0.0000 | 93.147 | 1.80651 | 0.00000 | 166905.7 | 17459.8 | 0.0 | U/P |
| 9.150 | 13.5200 | 0.0000 | 93.158 | 1.80905 | 0.00000 | 167314.7 | 17514.0 | 0.0 | U/P |
| 9.158 | 13.3072 | 0.0000 | 93.169 | 1.81153 | 0.00000 | 167717.1 | 17568.3 | 0.0 | U/P |
| 9.167 | 13.1155 | 0.0000 | 93.180 | 1.81396 | 0.00000 | 168113.5 | 17622.7 | 0.0 | U/P |
| 9.175 | 12.9492 | 0.0000 | 93.191 | 1.81636 | 0.00000 | 168504.4 | 17677.2 | 0.0 | U/P |
| 9.183 | 12.8055 | 0.0000 | 93.201 | 1.81871 | 0.00000 | 168890.8 | 17731.7 | 0.0 | U/P |
| 9.192 | 12.6808 | 0.0000 | 93.212 | 1.82102 | 0.00000 | 169273.1 | 17786.3 | 0.0 | U/P |
| 9.200 | 12.5709 | 0.0000 | 93.222 | 1.82331 | 0.00000 | 169651.8 | 17841.0 | 0.0 | U/P |
| 9.208 | 12.4736 | 0.0000 | 93.232 | 1.82557 | 0.00000 | 170027.5 | 17895.7 | 0.0 | U/P |
| 9.217 | 12.3877 | 0.0000 | 93.242 | 1.82781 | 0.00000 | 170400.4 | 17950.5 | 0.0 | U/P |
| 9.225 | 12.3114 | 0.0000 | 93.252 | 1.83003 | 0.00000 | 170770.9 | 18005.4 | 0.0 | U/P |
| 9.233 | 12.2428 | 0.0000 | 93.262 | 1.83222 | 0.00000 | 171139.2 | 18060.3 | 0.0 | U/P |
| 9.242 | 12.1819 | 0.0000 | 93.272 | 1.83440 | 0.00000 | 171505.6 | 18115.3 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 4100 yr/24 hr

| Elapsed Time (hours) | Infiow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate (fishs) | Overflow Discharge (ftiss) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 9.250 | 12.1278 | 0.0000 | 93.282 | 1.83656 | 0.00000 | 171870.2 | 18170.4 | 0.0 | U/P |
| 9.258 | 12.0800 | 0.0000 | 93.292 | 1.83871 | 0.00000 | 172233.3 | 18225.5 | 0.0 | U/P |
| 9.267 | 12.0386 | 0.0000 | 93.301 | 1.84085 | 0.00000 | 172595.1 | 18280.7 | 0.0 | U/P |
| 9.275 | 12.0015 | 0.0000 | 93.311 | 1.84297 | 0.00000 | 172955.7 | 18335.9 | 0.0 | U/P |
| 9.283 | 11.9685 | 0.0000 | 93.320 | 1.84509 | 0.00000 | 173315.3 | 18391.3 | 0.0 | U/P |
| 9.292 | 11.9395 | 0.0000 | 93.330 | 1.84719 | 0.00000 | 173673.9 | 18446.6 | 0.0 | U/P |
| 9.300 | 11.9136 | 0.0000 | 93.339 | 1.84929 | 0.00000 | 174031.7 | 18502.1 | 0.0 | U/P |
| 9.308 | 11.8908 | 0.0000 | 93.349 | 1.85138 | 0.00000 | 174388.8 | 18557.6 | 0.0 | U/P |
| 9.317 | 11.8707 | 0.0000 | 93.358 | 1.85345 | 0.00000 | 174745.2 | 18613.2 | 0.0 | U/P |
| 9.325 | 11.8529 | 0.0000 | 93.367 | 1.85553 | 0.00000 | 175101.0 | 18668.8 | 0.0 | U/P |
| 9.333 | 11.8375 | 0.0000 | 93.377 | 1.85759 | 0.00000 | 175456.4 | 18724.5 | 0.0 | U/P |
| 9.342 | 11.8236 | 0.0000 | 93.386 | 1.85965 | 0.00000 | 175811.3 | 18780.3 | 0.0 | U/P |
| 9.350 | 11.8113 | 0.0000 | 93.395 | 1.86171 | 0.00000 | 176165.8 | 18836.1 | 0.0 | U/P |
| 9.358 | \$1.8004 | 0.0000 | 93.405 | 1.86376 | 0.00000 | 176520.0 | 18892.0 | 0.0 | U/P |
| 9.367 | 11.7908 | 0.0000 | 93.414 | 1.86580 | 0.00000 | 176873.9 | 18947.9 | 0.0 | U/P |
| 9.375 | 11.7822 | 0.0000 | 93.423 | 1.86784 | 0.00000 | 177227.5 | 19003.9 | 0.0 | U/P |
| 9.383 | 11.7747 | 0.0000 | 93.432 | 1.86988 | 0.00000 | 177580.8 | 19060.0 | 0.0 | U/P |
| 9.392 | 11.7679 | 0.0000 | 93.442 | 1.87191 | 0.00000 | 177934.0 | 19116.1 | 0.0 | U/P |
| 9.400 | 11.7620 | 0.0000 | 93.451 | 1.87394 | 0.00000 | 178286.9 | 19172.3 | 0.0 | U/P |
| 9.408 | 11.7568 | 0.0000 | 93.460 | 1.87596 | 0.00000 | 178639.7 | 19228.5 | 0.0 | U/P |
| 9.417 | 11.7522 | 0.0000 | 93.469 | 1.87798 | 0.00000 | 178992.3 | 19284.8 | 0.0 | U/P |
| 9.425 | 11.7481 | 0.0000 | 93.478 | 1.88000 | 0.00000 | 179344.8 | 19341.2 | 0.0 | U/P |
| 9.433 | 11.7445 | 0.0000 | 93.487 | 1.88201 | 0.00000 | 179697.2 | 19397.6 | 0.0 | U/P |
| 9.442 | 11.7413 | 0.0000 | 93.496 | 1.88402 | 0.00000 | 180049.5 | 19454.1 | 0.0 | U/P |
| 9.450 | 11.7384 | 0.0000 | 93.505 | 1.88603 | 0.00000 | 180401.7 | 19510.7 | 0.0 | U/P |
| 9.458 | 11.7358 | 0.0000 | 93.514 | 1.88803 | 0.00000 | 180753.8 | 19567.3 | 0.0 | U/P |
| 9.467 | 11.7334 | 0.0000 | 93.523 | 1.89003 | 0.00000 | 181105.9 | 19624.0 | 0.0 | U/P |
| 9.475 | \$1.7313 | 0.0000 | 93.532 | 1.89203 | 0.00000 | 181457.8 | 19680.7 | 0.0 | U/P |
| 9.483 | 11.7294 | 0.0000 | 93.541 | 1.89402 | 0.00000 | 181809.7 | 19737.5 | 0.0 | U/P |
| 9.492 | 11.7277 | 0.0000 | 93.550 | 1.89601 | 0.00000 | 182161.6 | 19794.3 | 0.0 | U/P |
| 9.500 | 11.7264 | 0.0000 | 93.559 | 1.89800 | 0.00000 | 182513.4 | 19851.3 | 0.0 | U/P |
| 9.508 | 11.7249 | 0.0000 | 93.568 | 1.89999 | 0.00000 | 182865.2 | 19908.2 | 0.0 | U/P |
| 9.517 | 11.7228 | 0.0000 | 93.577 | 1.90197 | 0.00000 | 183216.9 | 19965.3 | 0.0 | U/P |
| 9.525 | 11.7196 | 0.0000 | 93.586 | 1.90395 | 0.00000 | 183568.5 | 20022.3 | 0.0 | U/P |
| 9.533 | 11.7151 | 0.0000 | 93.595 | 1.90593 | 0.00000 | 183920.0 | 20079.5 | 0.0 | U/P |
| 9.542 | 11.7087 | 0.0000 | 93.604 | 1.90790 | 0.00000 | 184271.4 | 20136.7 | 0.0 | U/P |
| 9.550 | 11.6999 | 0.0000 | 93.613 | 1.90987 | 0.00000 | 184622.5 | 20194.0 | 0.0 | U/P |
| 9.558 | 11.6883 | 0.0000 | 93.622 | 1.91184 | 0.00000 | 184973.4 | 20251.3 | 0.0 | U/P |
| 9.567 | 11.6731 | 0.0000 | 93.631 | 1.91380 | 0.00000 | 185323.8 | 20308.7 | 0.0 | U/P |
| 9.575 | 11.6546 | 0.0000 | 93.640 | 1.91575 | 0.00000 | 185673.7 | 20366.1 | 0.0 | U/P |
| 9.583 | 11.6334 | 0.0000 | 93.649 | 1.91770 | 0.00000 | 186023.0 | 20423.6 | 0.0 | U/P |
| 9.592 | 11.6101 | 0.0000 | 93.657 | 1.91964 | 0.00000 | 186371.7 | 20481.2 | 0.0 | U/P |
| 9.600 | 11.5853 | 0.0000 | 93.666 | 1.92158 | 0.00000 | 186719.6 | 20538.8 | 0.0 | U/P |
| 9.608 | \$1.5598 | 0.0000 | 93.675 | 1.92351 | 0.00000 | 187066.8 | 20596.5 | 0.0 | U/P |
| 9.617 | 11.5343 | 0.0000 | 93.683 | 1.92543 | 0.00000 | 187413.2 | 20654.2 | 0.0 | U/P |
| 9.625 | 11.5091 | 0.0000 | 93.692 | 1.92734 | 0.00000 | 187758.8 | 20712.0 | 0.0 | U/P |
| 9.633 | 11.4847 | 0.0000 | 93.701 | 1.92925 | 0.00000 | 188103.7 | 20769.8 | 0.0 | U/P |
| 9.642 | 11.4616 | 0.0000 | 93.709 | 1.93115 | 0.00000 | 188447.9 | 20827.8 | 0.0 | U/P |
| 9.650 | 11.4399 | 0.0000 | 93.718 | 1.93304 | 0.00000 | 188791.5 | 20885.7 | 0.0 | U/P |
| 9.658 | 11.4197 | 0.0000 | 93.726 | 1.93493 | 0.00000 | 189134.3 | 20943.7 | 0.0 | U/P |
| 9.667 | 11.4014 | 0.0000 | 93.735 | 1.93681 | 0.00000 | 189476.7 | 21001.8 | 0.0 | U/P |
| 9.675 | 11.3852 | 0.0000 | 93.743 | 1.93868 | 0.00000 | 189818.5 | 21059.9 | 0.0 | U/P |
| 9.683 | 11.3712 | 0.0000 | 93.752 | 1.94055 | 0.00000 | 190159.8 | 21118.1 | 0.0 | U/P |
| 9.692 | 11.3590 | 0.0000 | 93.760 | 1.94242 | 0.00000 | 190500.8 | 21176.4 | 0.0 | U/P |
| 9.700 | 11.3484 | 0.0000 | 93.769 | 1.94428 | 0.00000 | 190841.4 | 21234.7 | 0.0 | U/P |
| 9.708 | 11.3390 | 0.0000 | 93.777 | 1.94613 | 0.00000 | 191181.7 | 21293.0 | 0.0 | U/P |
| 9.717 | 11.3307 | 0.0000 | 93.785 | 1.94798 | 0.00000 | 191521.7 | 21351.4 | 0.0 | U/P |
| 9.725 | 11.3234 | 0.0000 | 93.794 | 1.94983 | 0.00000 | 191861.5 | 21409.9 | 0.0 | U/P |
| 9.733 | 11.3169 | 0.0000 | 93.802 | 1.95167 | 0.00473 | 192201.1 | 21468.4 | 0.1 | U/P |
| 9.742 | \$1.3110 | 0.0000 | 93.810 | 1.95351 | 0.05549 | 192540.6 | 21527.0 | 1.0 | U/P |
| 9.750 | 11.3058 | 0.0000 | 93.819 | 1.95533 | 0.13394 | 192879.8 | 21585.6 | 3.8 | U/P |
| 9.758 | 11.3012 | 0.0000 | 93.827 | 1.95714 | 0.23129 | 193218.9 | 21644.3 | 9.3 | U/P |
| 9.767 | 11.2972 | 0.0000 | 93.835 | 1.95893 | 0.34332 | 193557.9 | 21703.1 | 17.9 | U/P |
| 9.775 | 11.2937 | 0.0000 | 93.843 | 1.96069 | 0.46729 | 193896.8 | 21761.9 | 30.1 | U/P |
| 9.783 | 11.2905 | 0.0000 | 93.850 | 1.96242 | 0.60112 | 194235.5 | 21820.7 | 46.1 | U/P |
| 9.792 | 11.2877 | 0.0000 | 93.858 | 1.96413 | 0.74319 | 194574.2 | 21879.6 | 66.3 | U/P |
| 9.800 | 11.2852 | 0.0000 | 93.866 | 1.96580 | 0.89212 | 194912.8 | 21938.6 | 90.8 | U/P |
| 9.808 | 11.2831 | 0.0000 | 93.873 | 1.96744 | 1.04676 | 195251.3 | 21997.6 | 119.9 | U/P |
| 9.817 | 11.2811 | 0.0000 | 93.880 | 1.96906 | 1.20609 | 195589.8 | 22056.6 | 153.7 | U/P |
| 9.825 | 11.2794 | 0.0000 | 93.887 | 1.97064 | 1.36921 | 195928.2 | 22115.7 | 192.3 | U/P |
| 9.833 | 11.2780 | 0.0000 | 93.894 | 1.97218 | 1.53534 | 196266.5 | 22174.8 | 235.9 | U/P |
| 9.842 | 11.2766 | 0.0000 | 93.901 | 1.97369 | 1.70376 | 196604.9 | 22234.0 | 284.5 | U/P |
| 9.850 | 11.2755 | 0.0000 | 93.907 | 1.97517 | 1.87384 | 196943.1 | 22293.3 | 338.1 | U/P |
| 9.858 | 11.2745 | 0.0000 | 93.914 | 1.97661 | 2.04500 | 197281.4 | 22352.5 | 396.9 | U/P |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: Pond $4100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{fl}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{Fl}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 9.867 | 11.2735 | 0.0000 | 93.920 | 1.97802 | 2.21672 | 197619.6 | 22411.9 | 460.8 | U/P |
| 9.875 | 11.2727 | 0.0000 | 93.926 | 1.97939 | 2.38855 | 197957.8 | 22471.2 | 529.9 | U/P |
| 9.883 | 11.2720 | 0.0000 | 93.932 | 1.98073 | 2.56005 | 198296.0 | 22530.6 | 604.1 | U/P |
| 9.892 | 11.2714 | 0.0000 | 93.938 | 1.98203 | 2.73086 | 198634.1 | 22590.1 | 683.5 | U/P |
| 9.900 | 11.2709 | 0.0000 | 93.944 | 1.98330 | 2.90063 | 198972.3 | 22649.6 | 768.0 | U/P |
| 9.908 | 11.2704 | 0.0000 | 93.949 | 1.98454 | 3.06906 | 199310.4 | 22709.1 | 857.5 | U/P |
| 9.917 | 11.2700 | 0.0000 | 93.955 | 1.98574 | 3.23588 | 199648.5 | 22768.6 | 952.1 | U/P |
| 9.925 | 11.2696 | 0.0000 | 93.960 | 1.98691 | 3.40084 | 199986.6 | 22828.2 | 1051.6 | U/P |
| 9.933 | 11.2693 | 0.0000 | 93.965 | 1.98804 | 3.56374 | 200324.7 | 22887.8 | 1156.1 | U/P |
| 9.942 | 11.2690 | 0.0000 | 93.970 | 1.98915 | 3.72438 | 200662.7 | 22947.5 | 1265.4 | U/P |
| 9.950 | 11.2687 | 0.0000 | 93.975 | 1.99022 | 3.88259 | 201000.8 | 23007.2 | 1379.5 | U/P |
| 9.958 | 11.2685 | 0.0000 | 93.979 | 1.99126 | 4.03824 | 201338.9 | 23066.9 | 1498.3 | U/P |
| 9.967 | 11.2683 | 0.0000 | 93.984 | 1.99227 | 4.19119 | 201676.9 | 23126.7 | 1621.8 | U/P |
| 9.975 | 11.2681 | 0.0000 | 93.988 | 1.99325 | 4.34135 | 202015.0 | 23186.4 | 1749.8 | U/P |
| 9.983 | 11.2679 | 0.0000 | 93.992 | 1.99420 | 4.48862 | 202353.0 | 23246.3 | 1882.2 | U/P |
| 9.992 | 11.2678 | 0.0000 | 93.996 | 1.99512 | 4.63292 | 202691.0 | 23306.1 | 2019.0 | U/P |
| 10.000 | 11.2677 | 0.0000 | 94.000 | 1.99601 | 4.77420 | 203029.1 | 23366.0 | 2160.2 | U/P |
| 10.008 | 11.2673 | 0.0000 | 94.004 | \$.99688 | 4.91241 | 203367.1 | 23425.9 | 2305.5 | U/P |
| 10.017 | 11.2598 | 0.0000 | 94.008 | 1.99773 | 5.04740 | 203705.0 | 23485.8 | 2454.9 | U/P |
| 10.025 | 11.2390 | 0.0000 | 94.012 | 1.99854 | 5.17881 | 204042.5 | 23545.7 | 2608.2 | U/P |
| 10.033 | 11.2005 | 0.0000 | 94.015 | 1.99933 | 5.30616 | 204379.1 | 23605.7 | 2765.5 | U/P |
| 10.042 | 11.1409 | 0.0000 | 94.018 | 2.00009 | 5.42882 | 204714.2 | 23665.7 | 2926.5 | U/P |
| 10.050 | 11.0534 | 0.0000 | 94.021 | 2.00081 | 5.54604 | 205047.1 | 23725.7 | 3091.2 | U/P |
| 10.058 | 10.9318 | 0.0000 | 94.024 | 2.00148 | 5.65686 | 205376.9 | 23785.7 | 3259.2 | U/P |
| 10.067 | 10.7709 | 0.0000 | 94.027 | 2.00212 | 5.76015 | 205702.4 | 23845.8 | 3430.5 | U/P |
| 10.075 | 10.5663 | 0.0000 | 94.030 | 2.00270 | 5.85468 | 206022.5 | 23905.9 | 3604.7 | U/P |
| 10.083 | 10.3252 | 0.0000 | 94.032 | 2.00322 | 5.93926 | 206335.8 | 23965.9 | 3781.6 | U/P |
| 10.092 | 10.0551 | 0.0000 | 94.034 | 2.00368 | 6.01302 | 206641.5 | 24026.0 | 3960.9 | U/P |
| 10.100 | 9.7638 | 0.0000 | 94.035 | 2.00408 | 6.07535 | 206938.8 | 24086.2 | 4142.2 | U/P |
| 10.108 | 9.4591 | 0.0000 | 94.037 | 2.00440 | 6.12595 | 207227.2 | 24146.3 | 4325.2 | U/P |
| 10.117 | 9.1522 | 0.0000 | 94.038 | 2.00466 | 6.16485 | 207506.3 | 24206.4 | 4509.6 | U/P |
| 10.125 | 8.8463 | 0.0000 | 94.038 | 2.00485 | 6.19236 | 207776.3 | 24266.6 | 4694.9 | U/P |
| 10.133 | 8.5469 | 0.0000 | 94.039 | 2.00498 | 6.20894 | 208037.2 | 24326.7 | 4881.0 | U/P |
| 10.142 | 8.2614 | 0.0000 | 94.039 | 2.00504 | 6.21525 | 208289.3 | 24386.9 | 5067.3 | U/P |
| 10.150 | 7.9921 | 0.0000 | 94.039 | 2.00505 | 6.21214 | 208533.2 | 24447.0 | 5253.7 | U/P |
| 10.158 | 7.7406 | 0.0000 | 94.039 | 2.00501 | 6.20049 | 208769.1 | 24507.2 | 5439.9 | U/P |
| 10.167 | 7.5092 | 0.0000 | 94.038 | 2.00492 | 6.18123 | 208997.8 | 24567.3 | 5625.7 | U/P |
| 10.175 | 7.3011 | 0.0000 | 94.037 | 2.00479 | 6.15535 | 209220.0 | 24627.5 | 5810.7 | U/P |
| 10.183 | 7.1206 | 0.0000 | 94.037 | 2.00463 | 6.12393 | 209436.4 | 24687.6 | 5994.9 | U/P |
| 10.192 | 6.9645 | 0.0000 | 94.036 | 2.00443 | 6.08805 | 209647.6 | 24747.7 | 6178.1 | U/P |
| 10.200 | 6.8290 | 0.0000 | 94.035 | 2.00422 | 6.04863 | 209854.5 | 24807.9 | 6360.1 | U/P |
| 10.208 | 6.7095 | 0.0000 | 94.034 | 2.00398 | 6.00639 | 210057.6 | 24868.0 | 6540.9 | U/P |
| 10.217 | 6.6039 | 0.0000 | 94.032 | 2.00373 | 5.96195 | 210257.3 | 24928.1 | 6720.5 | U/P |
| 10.225 | 6.5105 | 0.0000 | 94.031 | 2.00347 | 5.91582 | 210454.0 | 24988.2 | 6898.6 | U/P |
| 10.233 | 6.4275 | 0.0000 | 94.030 | 2.00319 | 5.86844 | 210648.1 | 25048.3 | 7075.4 | U/P |
| 10.242 | 6.3529 | 0.0000 | 94.029 | 2.00292 | 5.82016 | 210839.8 | 25108.4 | 7250.7 | U/P |
| 10.250 | 6.2867 | 0.0000 | 94.027 | 2.00263 | 5.77129 | 211029.4 | 25168.5 | 7424.6 | U/P |
| 10.258 | 6.2279 | 0.0000 | 94.026 | 2.00234 | 5.72213 | 211217.1 | 25228.6 | 7597.0 | U/P |
| 10.267 | 6.1760 | 0.0000 | 94.025 | 2.00205 | 5.67290 | 211403.2 | 25288.6 | 7767.9 | U/P |
| 10.275 | 6.1310 | 0.0000 | 94.024 | 2.00176 | 5.62384 | 211587.8 | 25348.7 | 7937.4 | U/P |
| 10.283 | 6.0906 | 0.0000 | 94.022 | 2.00147 | 5.57513 | 211771.1 | 25408.7 | 8105.4 | U/P |
| 10.292 | 6.0547 | 0.0000 | 94.021 | 2.00119 | 5.52690 | 211953.3 | 25468.8 | 8271.9 | U/P |
| 10.300 | 6.0231 | 0.0000 | 94.020 | 2.00090 | 5.47927 | 212134.5 | 25528.8 | 8437.0 | U/P |
| 10.308 | 5.9949 | 0.0000 | 94.018 | 2.00062 | 5.43234 | 212314.7 | 25588.8 | 8600.7 | U/P |
| 10.317 | 5.9702 | 0.0000 | 94.017 | 2.00034 | 5.38620 | 212494.2 | 25648.9 | 8762.9 | U/P |
| 10.325 | 5.9483 | 0.0000 | 94.016 | 2.00006 | 5.34091 | 212673.0 | 25708.9 | 8923.8 | U/P |
| 10.333 | 5.9290 | 0.0000 | 94.015 | 1.99979 | 5.29654 | 212851.1 | 25768.9 | 9083.4 | U/P |
| 10.342 | 5.9121 | 0.0000 | 94.014 | 1.99953 | 5.25311 | 213028.8 | 25828.8 | 9241.7 | U/P |
| 10.350 | 5.8970 | 0.0000 | 94.012 | 1.99927 | 5.21067 | 213205.9 | 25888.8 | 9398.6 | U/P |
| 10.358 | 5.8836 | 0.0000 | 94.011 | 1.99901 | 5.16923 | 213382.6 | 25948.8 | 9554.3 | U/P |
| 10.367 | 5.8718 | 0.0000 | 94.010 | 1.99876 | 5.12880 | 213558.9 | 26008.8 | 9708.8 | U/P |
| 10.375 | 5.8612 | 0.0000 | 94.009 | 1.99852 | 5.08939 | 213734.9 | 26068.7 | 9862.1 | U/P |
| 10.383 | 5.8519 | 0.0000 | 94.008 | 1.99828 | 5.05100 | 213910.6 | 26128.7 | 10014.2 | U/P |
| 10.392 | 5.8437 | 0.0000 | 94.007 | 1.99805 | 5.01363 | 214086.1 | 26188.6 | 10165.1 | U/P |
| 10.400 | 5.8363 | 0.0000 | 94.006 | 1.99782 | 4.97728 | 214261.3 | 26248.6 | 10315.0 | U/P |
| 10.408 | 5.8299 | 0.0000 | 94.005 | 1.99760 | 4.94192 | 214436.3 | 26308.5 | 10463.8 | U/P |
| 10.417 | 5.8242 | 0.0000 | 94.004 | 1.99739 | 4.90755 | 214611.1 | 26368.4 | 10611.5 | U/P |
| 10.425 | 5.8191 | 0.0000 | 94.003 | 1.99718 | 4.87416 | 214785.7 | 26428.3 | 10758.3 | U/P |
| 10.433 | 5.8147 | 0.0000 | 94.002 | 1.99697 | 4.84172 | 214960.2 | 26488.3 | 10904.0 | U/P |
| 10.442 | 5.8107 | 0.0000 | 94.001 | 1.99677 | 4.81022 | 215134.6 | 26548.2 | 11048.8 | U/P |
| 10.450 | 5.8072 | 0.0000 | 94.001 | 1.99658 | 4.77965 | 215308.9 | 26608.1 | 11192.6 | U/P |
| 10.458 | 5.8040 | 0.0000 | 94.000 | 1.99639 | 4.74997 | 215483.0 | 26668.0 | 11335.6 | U/P |
| 10.467 | 5.8011 | 0.0000 | 93.999 | 1.99621 | 4.72117 | 215657.1 | 26727.8 | 11477.6 | U/P |
| 10.475 | 5.7985 | 0.0000 | 93.998 | 1.99603 | 4.69322 | 215831.1 | 26787.7 | 11618.8 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: Pond $4100 \mathrm{yr} / 24 \mathrm{hr}$


PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 4100 yr / 24 hr

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 /} \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 11.100 | 5.3503 | 0.0000 | 93.986 | 1.99326 | 4.25543 | 229710.8 | 31274.0 | 21443.8 | U/P |
| 11.108 | 5.1972 | 0.0000 | 93.985 | 1.99308 | 4.22669 | 229869.0 | 31333.8 | 21571.0 | U/P |
| 11.117 | 5.0471 | 0.0000 | 93.984 | 1.99289 | 4.19441 | 230022.6 | 31393.6 | 21697.4 | U/P |
| 11.125 | 4.9037 | 0.0000 | 93.983 | 1.99267 | 4.15886 | 230171.9 | 31453.4 | 21822.7 | U/P |
| 11.133 | 4.7684 | 0.0000 | 93.982 | 1.99243 | 4.12038 | 230317.0 | 31513.2 | 21946.8 | U/P |
| 11.142 | 4.6418 | 0.0000 | 93.980 | 1.99217 | 4.07932 | 230458.1 | 31572.9 | 22069.8 | U/P |
| 11.150 | 4.5253 | 0.0000 | 93.979 | 1.99190 | 4.03607 | 230595.6 | 31632.7 | 22191.6 | U/P |
| 11.158 | 4.4202 | 0.0000 | 93.978 | 1.99161 | 3.99101 | 230729.8 | 31692.4 | 22312.0 | U/P |
| 11.167 | 4.3288 | 0.0000 | 93.976 | 1.99131 | 3.94460 | 230861.1 | 31752.2 | 22431.0 | U/P |
| 11.175 | 4.2499 | 0.0000 | 93.975 | 1.99100 | 3.89725 | 230989.7 | 31811.9 | 22548.6 | U/P |
| 11.183 | 4.1814 | 0.0000 | 93.974 | 1.99068 | 3.84934 | 231116.2 | 31871.6 | 22664.8 | U/P |
| 11.192 | 4.1210 | 0.0000 | 93.972 | 1.99036 | 3.80115 | 231240.8 | 31931.4 | 22779.6 | U/P |
| 11.200 | 4.0677 | 0.0000 | 93.971 | 1.99004 | 3.75292 | 231363.6 | 31991.1 | 22892.9 | U/P |
| 11.208 | 4.0205 | 0.0000 | 93.969 | 1.98972 | 3.70484 | 231484.9 | 32050.8 | 23004.8 | U/P |
| 11.217 | 3.9786 | 0.0000 | 93.968 | 1.98940 | 3.65706 | 231604.9 | 32110.4 | 23115.2 | U/P |
| 11.225 | 3.9410 | 0.0000 | 93.966 | 1.98908 | 3.60971 | 231723.7 | 32170.1 | 23224.2 | U/P |
| 11.233 | 3.9075 | 0.0000 | 93.965 | 1.98876 | 3.56290 | 231841.4 | 32229.8 | 23331.8 | U/P |
| 11.242 | 3.8779 | 0.0000 | 93.963 | 1.98844 | 3.51671 | 231958.2 | 32289.5 | 23438.0 | U/P |
| 11.250 | 3.8516 | 0.0000 | 93.962 | 1.98812 | 3.47123 | 232074.1 | 32349.1 | 23542.8 | U/P |
| 11.258 | 3.8289 | 0.0000 | 93.961 | 1.98781 | 3.42652 | 232189.3 | 32408.7 | 23646.3 | U/P |
| 11.267 | 3.8085 | 0.0000 | 93.959 | 1.98751 | 3.38264 | 232303.9 | 32468.4 | 23748.4 | U/P |
| 11.275 | 3.7904 | 0.0000 | 93.958 | 1.98721 | 3.33963 | 232417.9 | 32528.0 | 23849.2 | U/P |
| 11.283 | 3.7744 | 0.0000 | 93.957 | 1.98691 | 3.29750 | 232531.4 | 32587.6 | 23948.8 | U/P |
| \$1.292 | 3.7602 | 0.0000 | 93.955 | 1.98662 | 3.25628 | 232644.4 | 32647.2 | 24047.1 | U/P |
| 11.300 | 3.7477 | 0.0000 | 93.954 | 1.98633 | 3.21599 | 232757.0 | 32706.8 | 24144.2 | U/P |
| 71.308 | 3.7366 | 0.0000 | 93.953 | 1.98605 | 3.17664 | 232869.3 | 32766.4 | 24240.1 | U/P |
| 11.317 | 3.7269 | 0.0000 | 93.952 | 1.98578 | 3.13822 | 232981.2 | 32826.0 | 24334.8 | U/P |
| 11.325 | 3.7184 | 0.0000 | 93.950 | 1.98551 | 3.10073 | 233092.9 | 32885.5 | 24428.4 | U/P |
| 11.333 | 3.7107 | 0.0000 | 93.949 | 1.98524 | 3.06419 | 233204.3 | 32945.1 | 24520.9 | U/P |
| 11.342 | 3.7040 | 0.0000 | 93.948 | 1.98498 | 3.02856 | 233315.5 | 33004.6 | 24612.3 | U/P |
| 11.350 | 3.6980 | 0.0000 | 93.947 | 1.98473 | 2.99385 | 233426.6 | 33064.2 | 24702.6 | U/P |
| 11.358 | 3.6927 | 0.0000 | 93.946 | 1.98448 | 2.96003 | 233537.4 | 33123.7 | 24791.9 | U/P |
| 11.367 | 3.6880 | 0.0000 | 93.945 | 1.98424 | 2.92710 | 233648.1 | 33183.3 | 24880.2 | U/P |
| 11.375 | 3.6838 | 0.0000 | 93.944 | 1.98400 | 2.89503 | 233758.7 | 33242.8 | 24967.5 | U/P |
| 11.383 | 3.6801 | 0.0000 | 93.943 | 1.98377 | 2.86382 | 233869.2 | 33302.3 | 25053.9 | U/P |
| 11.392 | 3.6768 | 0.0000 | 93.942 | 1.98355 | 2.83344 | 233979.5 | 33361.8 | 25139.4 | U/P |
| 11.400 | 3.6739 | 0.0000 | 93.941 | 1.98333 | 2.80388 | 234089.8 | 33421.3 | 25223.9 | U/P |
| 11.408 | 3.6714 | 0.0000 | 93.940 | 1.98311 | 2.77511 | 234200.0 | 33480.8 | 25307.6 | U/P |
| 11.417 | 3.6691 | 0.0000 | 93.939 | 1.98290 | 2.74712 | 234310.1 | 33540.3 | 25390.5 | U/P |
| 11.425 | 3.6671 | 0.0000 | 93.938 | 1.98269 | 2.71989 | 234420.1 | 33599.8 | 25472.5 | U/P |
| 11.433 | 3.6653 | 0.0000 | 93.937 | 1.98249 | 2.69339 | 234530.1 | 33659.3 | 25553.7 | U/P |
| 11.442 | 3.6637 | 0.0000 | 93.936 | 1.98230 | 2.66762 | 234640.0 | 33718.7 | 25634.1 | U/P |
| 11.450 | 3.6623 | 0.0000 | 93.935 | 1.98211 | 2.64254 | 234749.9 | 33778.2 | 25713.7 | U/P |
| 11.458 | 3.6609 | 0.0000 | 93.934 | 1.98192 | 2.61815 | 234859.8 | 33837.7 | 25792.6 | U/P |
| 11.467 | 3.6598 | 0.0000 | 93.933 | 1.98174 | 2.59441 | 234969.6 | 33897.1 | 25870.8 | U/P |
| 11.475 | 3.6587 | 0.0000 | 93.933 | 1.98156 | 2.57132 | 235079.4 | 33956.6 | 25948.3 | U/P |
| 11.483 | 3.6578 | 0.0000 | 93.932 | 1.98139 | 2.54885 | 235189.1 | 34016.0 | 26025.1 | U/P |
| 11.492 | 3.6570 | 0.0000 | 93.931 | 1.98122 | 2.52699 | 235298.8 | 34075.4 | 26101.3 | U/P |
| 11.500 | 3.6563 | 0.0000 | 93.930 | 1.98106 | 2.50573 | 235408.5 | 34134.9 | 26176.7 | U/P |
| 11.508 | 3.6554 | 0.0000 | 93.930 | 1.98089 | 2.48503 | 235518.2 | 34194.3 | 26251.6 | U/P |
| 11.517 | 3.6542 | 0.0000 | 93.929 | 1.98074 | 2.46487 | 235627.9 | 34253.7 | 26325.9 | U/P |
| 11.525 | 3.6525 | 0.0000 | 93.928 | 1.98058 | 2.44524 | 235737.5 | 34313.2 | 26399.5 | U/P |
| 11.533 | 3.6503 | 0.0000 | 93.928 | 1.98043 | 2.42610 | 235847.0 | 34372.6 | 26472.6 | U/P |
| 11.542 | 3.6474 | 0.0000 | 93.927 | 1.98029 | 2.40742 | 235956.5 | 34432.0 | 26545.1 | U/P |
| $\$ 1.550$ | 3.6436 | 0.0000 | 93.926 | 1.98014 | 2.38917 | 236065.8 | 34491.4 | 26617.0 | U/P |
| 11.558 | 3.6386 | 0.0000 | 93.926 | 1.98000 | 2.37130 | 236175.1 | 34550.8 | 26688.4 | U/P |
| 11.567 | 3.6324 | 0.0000 | 93.925 | 1.97986 | 2.35378 | 236284.1 | 34610.2 | 26759.3 | U/P |
| 11.575 | 3.6254 | 0.0000 | 93.924 | 1.97973 | 2.33657 | 236393.0 | 34669.6 | 26829.7 | U/P |
| 11.583 | 3.6176 | 0.0000 | 93.924 | 1.97959 | 2.31964 | 236501.6 | 34729.0 | 26899.5 | U/P |
| 11.592 | 3.6094 | 0.0000 | 93.923 | 1.97946 | 2.30297 | 236610.0 | 34788.4 | 26968.9 | U/P |
| 11.600 | 3.6009 | 0.0000 | 93.923 | 1.97933 | 2.28655 | 236718.2 | 34847.7 | 27037.7 | U/P |
| 11.608 | 3.5924 | 0.0000 | 93.922 | 1.97920 | 2.27036 | 236826.1 | 34907.1 | 27106.0 | U/P |
| 11.617 | 3.5840 | 0.0000 | 93.922 | 1.97908 | 2.25439 | 236933.8 | 34966.5 | 27173.9 | U/P |
| 11.625 | 3.5759 | 0.0000 | 93.921 | 1.97895 | 2.23865 | 237041.1 | 35025.9 | 27241.3 | U/P |
| 11.633 | 3.5681 | 0.0000 | 93.920 | 1.97883 | 2.22314 | 237148.3 | 35085.2 | 27308.2 | U/P |
| 11.642 | 3.5609 | 0.0000 | 93.920 | 1.97870 | 2.20785 | 237255.2 | 35144.6 | 27374.7 | U/P |
| 11.650 | 3.5542 | 0.0000 | 93.919 | 1.97858 | 2.19280 | 237362.0 | 35204.0 | 27440.7 | U/P |
| 11.658 | 3.5480 | 0.0000 | 93.919 | 1.97846 | 2.17799 | 237468.5 | 35263.3 | 27506.3 | U/P |
| 11.667 | 3.5426 | 0.0000 | 93.918 | 1.97834 | 2.16343 | 237574.9 | 35322.7 | 27571.4 | U/P |
| 11.675 | 3.5379 | 0.0000 | 93.918 | 1.97823 | 2.14913 | 237681.1 | 35382.0 | 27636.1 | U/P |
| 11.683 | 3.5338 | 0.0000 | 93.917 | 1.97811 | 2.13510 | 237787.1 | 35441.3 | 27700.4 | U/P |
| 11.692 | 3.5302 | 0.0000 | 93.917 | 1.97800 | 2.12134 | 237893.1 | 35500.7 | 27764.2 | U/P |
| 11.700 | 3.5271 | 0.0000 | 93.916 | 1.97789 | 2.10786 | 237999.0 | 35560.0 | 27827.6 | U/P |
| 11.708 | 3.5243 | 0.0000 | 93.916 | 1.97778 | 2.09466 | 238104.7 | 35619.4 | 27890.7 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $4100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{In}^{3 / \mathrm{s}}$ ) | Outside Recharge (ftday) | Stage Elevation (fl datum) | Infiltration Rate ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Ovenlow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumufative Inflow Volume ( $\mathrm{t}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{H}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 11.717 | 3.5219 | 0.0000 | 93.915 | 1.97768 | 2.08173 | 238210.4 | 35678.7 | 27953.3 | U/P |
| 11.725 | 3.5197 | 0.0000 | 93.915 | 1.97757 | 2.06909 | 238316.0 | 35738.0 | 28015.6 | U/P |
| 11.733 | 3.5177 | 0.0000 | 93.914 | 1.97747 | 2.05671 | 238421.6 | 35797.4 | 28077.5 | U/P |
| 11.742 | 3.5160 | 0.0000 | 93.914 | 1.97737 | 2.04461 | 238527.1 | 35856.7 | 28139.0 | U/P |
| 11.750 | 3.5144 | 0.0000 | 93.913 | 1.97727 | 2.03278 | 238632.6 | 35916.0 | 28200.1 | U/P |
| 11.758 | 3.5131 | 0.0000 | 93.913 | 1.97717 | 2.02121 | 238738.0 | 35975.3 | 28261.0 | U/P |
| 11.767 | 3.5119 | 0.0000 | 93.913 | 1.97708 | 2.00991 | 238843.3 | 36034.6 | 28321.4 | U/P |
| 11.775 | 3.5108 | 0.0000 | 93.912 | 1.97699 | 1.99886 | 238948.7 | 36093.9 | 28381.6 | U/P |
| 11.783 | 3.5099 | 0.0000 | 93.912 | 1.97690 | 1.98807 | 239054.0 | 36153.2 | 28441.4 | U/P |
| 11.792 | 3.5090 | 0.0000 | 93.911 | 1.97681 | 1.97753 | 239159.3 | 36212.5 | 28500.8 | U/P |
| 11.800 | 3.5083 | 0.0000 | 93.911 | 1.97672 | 1.96724 | 239264.5 | 36271.9 | 28560.0 | U/P |
| 11.808 | 3.5076 | 0.0000 | 93.911 | 1.97664 | 1.95718 | 239369.8 | 36331.2 | 28618.9 | U/P |
| 11.817 | 3.5071 | 0.0000 | 93.910 | 1.97656 | 1.94736 | 239475.0 | 36390.5 | 28677.5 | U/P |
| 11.825 | 3.5066 | 0.0000 | 93.910 | 1.97648 | 1.93777 | 239580.2 | 36449.7 | 28735.7 | U/P |
| 11.833 | 3.5061 | 0.0000 | 93.910 | 1.97640 | 1.92841 | 239685.4 | 36509.0 | 28793.7 | U/P |
| 11.842 | 3.5057 | 0.0000 | 93.909 | 1.97632 | 1.91927 | 239790.6 | 36568.3 | 28851.4 | U/P |
| 11.850 | 3.5054 | 0.0000 | 93.909 | 1.97624 | 1.91034 | 239895.7 | 36627.6 | 28908.9 | U/P |
| 11.858 | 3.5051 | 0.0000 | 93.909 | 1.97617 | 1.90163 | 240000.9 | 36686.9 | 28966.1 | U/P |
| 11.867 | 3.5048 | 0.0000 | 93.908 | 1.97610 | 1.89312 | 240106.0 | 36746.2 | 29023.0 | U/P |
| 11.875 | 3.5045 | 0.0000 | 93.908 | 1.97603 | 1.88482 | 240211.2 | 36805.5 | 29079.6 | U/P |
| 11.883 | 3.5043 | 0.0000 | 93.908 | 1.97596 | 1.87671 | 240316.3 | 36864.7 | 29136.1 | U/P |
| 11.892 | 3.5041 | 0.0000 | 93.907 | 1.97589 | 1.86879 | 240421.4 | 36924.0 | 29192.3 | U/P |
| 11.900 | 3.5040 | 0.0000 | 93.907 | 1.97582 | 1.86106 | 240526.6 | 36983.3 | 29248.2 | U/P |
| 11.908 | 3.5038 | 0.0000 | 93.907 | 1.97576 | 1.85352 | 240631.7 | 37042.6 | 29303.9 | U/P |
| 11.917 | 3.5037 | 0.0000 | 93.906 | 1.97569 | 1.84615 | 240736.8 | 37101.8 | 29359.4 | U/P |
| 11.925 | 3.5036 | 0.0000 | 93.906 | 1.97563 | 1.83896 | 240841.9 | 37161.1 | 29414.7 | U/P |
| 11.933 | 3.5035 | 0.0000 | 93.906 | 1.97557 | 1.83194 | 240947.0 | 37220.4 | 29469.8 | U/P |
| 11.942 | 3.5034 | 0.0000 | 93.906 | 1.97551 | 1.82508 | 241052.1 | 37279.7 | 29524.6 | U/P |
| 11.950 | 3.5033 | 0.0000 | 93.905 | 1.97546 | 1.81839 | 241157.2 | 37338.9 | 29579.3 | U/P |
| 11.958 | 3.5032 | 0.0000 | 93.905 | 1.97540 | 1.81185 | 241262.3 | 37398.2 | 29633.7 | U/P |
| 11.967 | 3.5031 | 0.0000 | 93.905 | 1.97534 | 1.80547 | 241367.4 | 37457.4 | 29688.0 | U/P |
| 11.975 | 3.5031 | 0.0000 | 93.905 | 1.97529 | 1.79924 | 241472.5 | 37516.7 | 29742.0 | U/P |
| 11.983 | 3.5030 | 0.0000 | 93.904 | 1.97524 | 1.79315 | 241577.6 | 37576.0 | 29795.9 | U/P |
| 11.992 | 3.5030 | 0.0000 | 93.904 | 1.97519 | 1.78721 | 241682.7 | 37635.2 | 29849.6 | U/P |
| 12.000 | 3.5029 | 0.0000 | 93.904 | 1.97514 | 1.78141 | 241787.8 | 37694.5 | 29903.2 | U/P |
| 12.008 | 3.5031 | 0.0000 | 93.904 | 1.97509 | 1.77574 | 241892.9 | 37753.7 | 29956.5 | U/P |
| 12.017 | 3.5036 | 0.0000 | 93.903 | 1.97504 | 1.77022 | 241998.0 | 37813.0 | 30009.7 | U/P |
| 12.025 | 3.5047 | 0.0000 | 93.903 | 1.97499 | 1.76484 | 242103.1 | 37872.2 | 30062.7 | U/P |
| 12.033 | 3.5063 | 0.0000 | 93.903 | 1.97495 | 1.75962 | 242208.3 | 37931.5 | 30115.6 | U/P |
| 12.042 | 3.5086 | 0.0000 | 93.903 | 1.97490 | 1.75456 | 242313.5 | 37990.7 | 30168.3 | U/P |
| 12.050 | 3.5120 | 0.0000 | 93.903 | 1.97486 | 1.74969 | 242418.8 | 38050.0 | 30220.9 | U/P |
| 12.058 | 3.5164 | 0.0000 | 93.902 | 1.97482 | 1.74502 | 242524.2 | 38109.2 | 30273.3 | U/P |
| 12.067 | 3.5220 | 0.0000 | 93.902 | 1.97478 | 1.74056 | 242629.8 | 38168.5 | 30325.6 | U/P |
| 12.075 | 3.5287 | 0.0000 | 93.902 | 1.97474 | 1.73635 | 242735.5 | 38227.7 | 30377.7 | U/P |
| 12.083 | 3.5362 | 0.0000 | 93.902 | 1.97470 | 1.73239 | 242841.5 | 38286.9 | 30429.8 | U/P |
| 12.092 | 3.5442 | 0.0000 | 93.902 | 1.97467 | 1.72869 | 242947.7 | 38346.2 | 30481.7 | U/P |
| 12.400 | 3.5527 | 0.0000 | 93.902 | 1.97464 | 1.72526 | 243054.2 | 38405.4 | 30533.5 | U/P |
| 12.108 | 3.5612 | 0.0000 | 93.902 | 1.97461 | 1.72210 | 243160.9 | 38464.7 | 30585.2 | U/P |
| 12.117 | 3.5697 | 0.0000 | 93.901 | 1.97459 | 1.71920 | 243267.8 | 38523.9 | 30636.8 | U/P |
| 12.125 | 3.5780 | 0.0000 | 93.901 | 1.97456 | 1.71655 | 243375.1 | 38583.1 | 30688.4 | U/P |
| 12.133 | 3.5860 | 0.0000 | 93.901 | 1.97454 | 1.71414 | 243482.5 | 38642.4 | 30739.8 | U/P |
| 12.142 | 3.5934 | 0.0000 | 93.901 | 1.97452 | 1.71195 | 243590.2 | 38701.6 | 30791.2 | U/P |
| 12.150 | 3.6004 | 0.0000 | 93.901 | 1.97450 | 1.70998 | 243698.1 | 38760.8 | 30842.5 | U/P |
| 12.758 | 3.6069 | 0.0000 | 93.901 | 1.97448 | 1.70820 | 243806.2 | 38820.1 | 30893.8 | U/P |
| 12.167 | 3.6127 | 0.0000 | 93.901 | 1.97447 | 1.70659 | 243914.5 | 38879.3 | 30945.0 | U/P |
| 12.175 | 3.6177 | 0.0000 | 93.901 | 1.97446 | 1.70514 | 244023.0 | 38938.5 | 30996.2 | U/P |
| 12.783 | 3.6221 | 0.0000 | 93.901 | 1.97444 | 1.70382 | 244131.6 | 38997.8 | 31047.4 | U/P |
| 12.792 | 3.6259 | 0.0000 | 93.901 | 1.97443 | 1.70263 | 244240.3 | 39057.0 | 31098.4 | U/P |
| 12.200 | 3.6292 | 0.0000 | 93.901 | 1.97442 | 1.70153 | 244349.1 | 39116.2 | 31149.5 | U/P |
| 12.208 | 3.6321 | 0.0000 | 93.901 | 1.97441 | 1.70054 | 244458.0 | 39175.5 | 31200.5 | U/P |
| 12.217 | 3.6348 | 0.0000 | 93.901 | 1.97441 | 1.69962 | 244567.0 | 39234.7 | 31251.5 | U/P |
| 12.225 | 3.6371 | 0.0000 | 93.901 | 1.97440 | 1.69878 | 244676.1 | 39293.9 | 31302.5 | U/P |
| 12.233 | 3.6391 | 0.0000 | 93.901 | 1.97439 | 1.69801 | 244785.3 | 39353.2 | 31353.5 | U/P |
| 12.242 | 3.6410 | 0.0000 | 93.901 | 1.97439 | 1.69730 | 244894.5 | 39412.4 | 31404.4 | U/P |
| 12.250 | 3.6426 | 0.0000 | 93.901 | 1.97438 | 1.69664 | 245003.7 | 39471.6 | 31455.3 | U/P |
| 12.258 | 3.6441 | 0.0000 | 93.901 | 1.97437 | 1.69603 | 245113.0 | 39530.9 | 31506.2 | U/P |
| 12.267 | 3.6453 | 0.0000 | 93.901 | 1.97437 | 1.69547 | 245222.4 | 39590.1 | 31557.1 | U/P |
| 12.275 | 3.6465 | 0.0000 | 93.900 | 1.97436 | 1.69494 | 245331.7 | 39649.3 | 31607.9 | U/P |
| 12.283 | 3.6475 | 0.0000 | 93.900 | 1.97436 | 1.69445 | 245441.2 | 39708.6 | 31658.8 | U/P |
| 12.292 | 3.6483 | 0.0000 | 93.900 | 1.97436 | 1.69399 | 245550.6 | 39767.8 | 31709.6 | U/P |
| 12.300 | 3.6491 | 0.0000 | 93.900 | 1.97435 | 1.69356 | 245660.0 | 39827.0 | 31760.4 | U/P |
| 12.308 | 3.6498 | 0.0000 | 93.900 | 1.97435 | 1.69315 | 245769.5 | 39886.3 | 31811.2 | U/P |
| 12.317 | 3.6504 | 0.0000 | 93.900 | 1.97434 | 1.69277 | 245879.0 | 39945.5 | 31862.0 | U/P |
| 12.325 | 3.6510 | 0.0000 | 93.900 | 1.97434 | 1.69241 | 245988.6 | 40004.7 | 31912.8 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 4100 yr/24 hr

| Elapsed Time (hours) | Inflow Rate (fis/s) | Outside Recharge (ft/day) | Stage Elevation (fl datum) | Infitration Rate (ftiss) | Overfiow Discharge ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Cumulative Infow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Voiume ( $\mathrm{fl}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{fl}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 12.333 | 3.6515 | 0.0000 | 93.900 | 1.97434 | 1.69207 | 246098.1 | 40063.9 | 31963.5 | U/P |
| 12.342 | 3.6519 | 0.0000 | 93.900 | 1.97433 | 1.69175 | 246207.6 | 40123.2 | 32014.3 | U/P |
| 12.350 | 3.6522 | 0.0000 | 93.900 | 1.97433 | 1.69144 | 246317.2 | 40182.4 | 32065.0 | U/P |
| 12.358 | 3.6526 | 0.0000 | 93.900 | 1.97433 | 1.69114 | 246426.8 | 40241.6 | 32115.8 | U/P |
| 12.367 | 3.6529 | 0.0000 | 93.900 | 1.97433 | 1.69086 | 246536.4 | 40300.9 | 32166.5 | U/P |
| 12.375 | 3.6531 | 0.0000 | 93.900 | 1.97432 | 1.69060 | 246646.0 | 40360.1 | 32217.2 | U/P |
| 12.383 | 3.6534 | 0.0000 | 93.900 | 1.97432 | 1.69034 | 246755.5 | 40419.3 | 32268.0 | U/P |
| 12,392 | 3.6536 | 0.0000 | 93.900 | 1.97432 | 1.69009 | 246865.2 | 40478.6 | 32318.7 | U/P |
| 12.400 | 3.6538 | 0.0000 | 93.900 | 1.97432 | 1.68986 | 246974.8 | 40537.8 | 32369.4 | U/P |
| 12.408 | 3.6539 | 0.0000 | 93.900 | 1.97432 | 1.68963 | 247084.4 | 40597.0 | 32420.1 | U/P |
| 12.417 | 3.6541 | 0.0000 | 93.900 | 1.97431 | 1.68941 | 247194.0 | 40656.2 | 32470.7 | U/P |
| 12.425 | 3.6542 | 0.0000 | 93.900 | 1.97431 | 1.68920 | 247303.6 | 40715.5 | 32521.4 | U/P |
| 12.433 | 3.6543 | 0.0000 | 93.900 | 1.97431 | 1.68900 | 247413.3 | 40774.7 | 32572.1 | U/P |
| 12.442 | 3.6544 | 0.0000 | 93.900 | 1.97431 | 1.68880 | 247522.9 | 40833.9 | 32622.8 | U/P |
| 12.450 | 3.6545 | 0.0000 | 93.900 | 1.97431 | 1.68861 | 247632.5 | 40893.2 | 32673.4 | U/P |
| 12.458 | 3.6546 | 0.0000 | 93.900 | 1.97431 | 1.68842 | 247742.1 | 40952.4 | 32724.1 | U/P |
| 12.467 | 3.6546 | 0.0000 | 93.900 | 1.97430 | 1.68825 | 247851.8 | 41011.6 | 32774.7 | U/P |
| 12.475 | 3.6547 | 0.0000 | 93.900 | 1.97430 | 1.68807 | 247961.4 | 41070.8 | 32825.4 | U/P |
| 12.483 | 3.6548 | 0.0000 | 93.900 | 1.97430 | 1.68791 | 248071.1 | 41130.1 | 32876.0 | U/P |
| 12.492 | 3.6548 | 0.0000 | 93.900 | 1.97430 | 1.68774 | 248180.7 | 41189.3 | 32926.6 | U/P |
| 12.500 | 3.6549 | 0.0000 | 93.900 | 1.97430 | 1.68758 | 248290.4 | 41248.5 | 32977.3 | U/P |
| 12.508 | 3.6548 | 0.0000 | 93.900 | 1.97430 | 1.68743 | 248400.0 | 41307.8 | 33027.9 | U/P |
| 12.517 | 3.6545 | 0.0000 | 93.900 | 1.97430 | 1.68727 | 248509.6 | 41367.0 | 33078.5 | U/P |
| 12.525 | 3.6537 | 0.0000 | 93.900 | 1.97429 | 1.68711 | 248619.3 | 41426.2 | 33129.1 | U/P |
| 12.533 | 3.6523 | 0.0000 | 93.900 | 1.97429 | 1.68692 | 248728.9 | 41485.4 | 33179.7 | U/P |
| 12.542 | 3.6503 | 0.0000 | 93.900 | \$.97429 | 1.68671 | 248838.4 | 41544.7 | 33230.3 | U/P |
| 12.550 | 3.6475 | 0.0000 | 93.900 | 1.97429 | 1.68644 | 248947.9 | 41603.9 | 33280.9 | U/P |
| 12.558 | 3.6436 | 0.0000 | 93.900 | 1.97429 | 1.68611 | 249057.2 | 41663.1 | 33331.5 | U/P |
| 12.567 | 3.6385 | 0.0000 | 93.900 | 1.97428 | 1.68568 | 249166.5 | 41722.4 | 33382.1 | U/P |
| 12.575 | 3.6323 | 0.0000 | 93.900 | 1.97428 | 1.68514 | 249275.5 | 41781.6 | 33432.7 | U/P |
| 12.583 | 3.6252 | 0.0000 | 93.900 | 1.97427 | 1.68447 | 249384.4 | 41840.8 | 33483.2 | U/P |
| 12.592 | 3.6175 | 0.0000 | 93.900 | 1.97427 | 1.68365 | 249493.0 | 41900.0 | 33533.7 | U/P |
| 12.600 | 3.6092 | 0.0000 | 93.900 | 1.97426 | 1.68267 | 249601.4 | 41959.3 | 33584.2 | U/P |
| 12.608 | 3.6007 | 0.0000 | 93.900 | 1.97425 | 1.68153 | 249709.6 | 42018.5 | 33634.7 | U/P |
| 12.617 | 3.5922 | 0.0000 | 93.900 | 1.97424 | 1.68023 | 249817.5 | 42077.7 | 33685.1 | U/P |
| 12.625 | 3.5838 | 0.0000 | 93.900 | 1.97423 | 1.67877 | 249925.1 | 42137.0 | 33735.5 | U/P |
| 12.633 | 3.5756 | 0.0000 | 93.900 | 1.97421 | 1.67716 | 250032.5 | 42196.2 | 33785.8 | U/P |
| 12.642 | 3.5679 | 0.0000 | 93.900 | 1.97420 | 1.67542 | 250139.7 | 42255.4 | 33836.1 | U/P |
| 12.650 | 3.5607 | 0.0000 | 93.900 | 1.97418 | 1.67355 | 250246.6 | 42314.6 | 33886.4 | U/P |
| 12.658 | 3.5540 | 0.0000 | 93.900 | 1.97417 | 1.67157 | 250353.3 | 42373.9 | 33936.5 | U/P |
| 12.667 | 3.5479 | 0.0000 | 93.899 | 1.97415 | 1.66949 | 250459.8 | 42433.1 | 33986.7 | U/P |
| 12.675 | 3.5424 | 0.0000 | 93.899 | 1.97413 | 1.66733 | 250566.2 | 42492.3 | 34036.7 | U/P |
| 12.683 | 3.5378 | 0.0000 | 93.899 | 1.97411 | 1.66512 | 250672.4 | 42551.5 | 34086.7 | U/P |
| 12.692 | 3.5337 | 0.0000 | 93.899 | 1.97409 | 1.66285 | 250778.5 | 42610.8 | 34136.6 | U/P |
| 12.700 | 3.5302 | 0.0000 | 93.899 | 1.97407 | 1.66056 | 250884.4 | 42670.0 | 34186.5 | U/P |
| 12.708 | 3.5270 | 0.0000 | 93.899 | 1.97405 | 1.65824 | 250990.3 | 42729.2 | 34236.3 | U/P |
| 12.717 | 3.5243 | 0.0000 | 93.899 | 1.97403 | 1.65591 | 251096.0 | 42788.4 | 34286.0 | U/P |
| 12.725 | 3.5218 | 0.0000 | 93.899 | 1.97401 | 1.65358 | 251201.7 | 42847.6 | 34335.6 | U/P |
| 12.733 | 3.5196 | 0.0000 | 93.899 | 1.97399 | 1.65124 | 251307.3 | 42906.9 | 34385.2 | U/P |
| 12.742 | 3.5176 | 0.0000 | 93.899 | 1.97397 | 1.64892 | 251412.9 | 42966.1 | 34434.7 | U/P |
| 12.750 | 3.5159 | 0.0000 | 93.899 | 1.97395 | 1.64661 | 251518.4 | 43025.3 | 34484.1 | U/P |
| 12.758 | 3.5144 | 0.0000 | 93.898 | 1.97393 | 1.64431 | 251623.9 | 43084.5 | 34533.5 | U/P |
| 12.767 | 3.5130 | 0.0000 | 93.898 | 1.97391 | 1.64203 | 251729.3 | 43143.7 | 34582.8 | U/P |
| 12.775 | 3.5118 | 0.0000 | 93.898 | 1.97389 | 1.63978 | 251834.7 | 43203.0 | 34632.0 | U/P |
| 12.783 | 3.5108 | 0.0000 | 93.898 | 1.97387 | 1.63755 | 251940.0 | 43262.2 | 34681.2 | U/P |
| 12.792 | 3.5098 | 0.0000 | 93.898 | 1.97385 | 1.63535 | 252045.3 | 43321.4 | 34730.3 | U/P |
| 12.800 | 3.5090 | 0.0000 | 93.898 | 1.97383 | 1.63318 | 252150.6 | 43380.6 | 34779.3 | U/P |
| 12.808 | 3.5083 | 0.0000 | 93.898 | 1.97381 | 1.63104 | 252255.8 | 43439.8 | 34828.2 | U/P |
| 12.817 | 3.5076 | 0.0000 | 93.898 | 1.97379 | 1.62894 | 252361.1 | 43499.0 | 34877.1 | U/P |
| 12.825 | 3.5071 | 0.0000 | 93.898 | 1.97377 | 1.62687 | 252466.3 | 43558.2 | 34926.0 | U/P |
| 12.833 | 3.5066 | 0.0000 | 93.898 | 1.97375 | 1.62483 | 252571.5 | 43617.5 | 34974.8 | U/P |
| 12.842 | 3.5061 | 0.0000 | 93.898 | 1.97374 | 1.62283 | 252676.7 | 43676.7 | 35023.5 | U/P |
| 12.850 | 3.5057 | 0.0000 | 93.898 | 1.97372 | 1.62086 | 252781.9 | 43735.9 | 35072.1 | U/P |
| 12.858 | 3.5054 | 0.0000 | 93.897 | 1.97370 | 1.61893 | 252887.0 | 43795.1 | 35120.7 | U/P |
| 12.867 | 3.5051 | 0.0000 | 93.897 | 1.97368 | 1.61704 | 252992.2 | 43854.3 | 35169.3 | U/P |
| 12.875 | 3.5048 | 0.0000 | 93.897 | 1.97367 | 1.61518 | 253097.3 | 43913.5 | 35217.7 | U/P |
| 12.883 | 3.5045 | 0.0000 | 93.897 | 1.97365 | 1.61335 | 253202.5 | 43972.7 | 35266.2 | U/P |
| 12.892 | 3.5043 | 0.0000 | 93.897 | 1.97363 | 1.61157 | 253307.6 | 44031.9 | 35314.6 | U/P |
| 12.900 | 3.5041 | 0.0000 | 93.897 | 1.97362 | 1.60981 | 253412.7 | 44091.1 | 35362.9 | U/P |
| 12.908 | 3.5040 | 0.0000 | 93.897 | 1.97360 | 1.60810 | 253517.9 | 44150.3 | 35411.1 | U/P |
| 12.917 | 3.5038 | 0.0000 | 93.897 | 1.97359 | 1.60641 | 253623.0 | 44209.6 | 35459.4 | U/P |
| 12.925 | 3.5037 | 0.0000 | 93.897 | 1.97357 | 1.60476 | 253728.1 | 44268.8 | 35507.5 | U/P |
| 12.933 | 3.5036 | 0.0000 | 93.897 | 1.97356 | 1.60315 | 253833.2 | 44328.0 | 35555.6 | U/P |
| 12.942 | 3.5035 | 0.0000 | 93.897 | 1.97355 | 1.60157 | 253938.3 | 44387.2 | 35603.7 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $4100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (fl datum) | Infiltration Rate (fi3/s) | Overliow Discharge (fl3/s) | Cumulative Inflow <br> Volume (fis) | Cumulative Infiltration Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{fl}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 12.950 | 3.5034 | 0.0000 | 93.897 | 1.97353 | 1.60002 | 254043.4 | 44446.4 | 35651.7 | U/P |
| 12.958 | 3.5033 | 0.0000 | 93.897 | 1.97352 | 1.59850 | 254148.5 | 44505.6 | 35699.7 | U/P |
| 12.967 | 3.5032 | 0.0000 | 93.897 | 1.97350 | 1.59702 | 254253.6 | 44564.8 | 35747.6 | U/P |
| 12.975 | 3.5031 | 0.0000 | 93.897 | 1.97349 | 1.59556 | 254358.7 | 44624.0 | 35795.5 | U/P |
| 12.983 | 3.5031 | 0.0000 | 93.896 | 1.97348 | 1.59414 | 254463.8 | 44683.2 | 35843.4 | U/P |
| 12.992 | 3.5030 | 0.0000 | 93.896 | 1.97347 | 1.59275 | 254568.8 | 44742.4 | 35891.2 | U/P |
| 13.000 | 3.5030 | 0.0000 | 93.896 | 1.97345 | 1.59139 | 254674.0 | 44801.6 | 35939.0 | U/P |
| 13.008 | 3.5029 | 0.0000 | 93.896 | 1.97344 | 1.59005 | 254778.1 | 44860.8 | 35986.7 | U/P |
| 13.017 | 3.5014 | 0.0000 | 93.896 | 1.87343 | 1.58873 | 254884.1 | 44920.0 | 36034.4 | U/P |
| 13.025 | 3.4974 | 0.0000 | 93.896 | 1.97342 | 1.58738 | 254989.1 | 44979.2 | 36082.0 | U/P |
| 13.033 | 3.4898 | 0.0000 | 93.896 | 1.97341 | 1.58593 | 255093.9 | 45038.4 | 36129.6 | U/P |
| 13.042 | 3.4782 | 0.0000 | 93.896 | 1.97339 | 1.58431 | 255198.4 | 45097.6 | 36177.1 | U/P |
| 13.050 | 3.4612 | 0.0000 | 93.896 | 1.97338 | 1.58242 | 255302.5 | 45156.8 | 36224.6 | U/P |
| 13.058 | 3.4376 | 0.0000 | 93.896 | 1.97336 | 1.58013 | 255406.0 | 45216.0 | 36272.1 | U/P |
| 13.067 | 3.4063 | 0.0000 | 93.896 | 1.97333 | 1.57730 | 255508.7 | 45275.2 | 36319.4 | U/P |
| 13.075 | 3.3665 | 0.0000 | 93.896 | 1.97331 | 1.57377 | 255610.3 | 45334.4 | 36366.7 | U/P |
| 13.083 | 3.3196 | 0.0000 | 93.895 | 1.97327 | 1.56939 | 255710.5 | 45393.6 | 36413.9 | U/P |
| 13.092 | 3.2671 | 0.0000 | 93.895 | 1.97323 | 1.56404 | 255809.3 | 45452.8 | 36460.9 | U/P |
| 13.100 | 3.2104 | 0.0000 | 93.895 | 1.97317 | 1.55764 | 255906.5 | 45512.0 | 36507.7 | U/P |
| 13.108 | 3.1512 | 0.0000 | 93.895 | 1.97311 | 1.55016 | 256001.9 | 45571.2 | 36554.3 | U/P |
| 13.117 | 3.0915 | 0.0000 | 93.894 | 1.97304 | 1.54157 | 256095.6 | 45630.4 | 36600.7 | U/P |
| 13.125 | 3.0320 | 0.0000 | 93.894 | 1.97296 | 1.53192 | 256187.4 | 45689.6 | 36646.8 | U/P |
| 13.133 | 2.9738 | 0.0000 | 93.894 | 1.97287 | 1.52124 | 256277.5 | 45748.8 | 36692.6 | U/P |
| 13.142 | 2.9183 | 0.0000 | 93.893 | 1.97276 | 1.50961 | 256365.9 | 45808.0 | 36738.0 | U/P |
| 13.150 | 2.8659 | 0.0000 | 93.893 | 1.97265 | 1.49712 | 256452.7 | 45867.1 | 36783.1 | U/P |
| 13.158 | 2.8170 | 0.0000 | 93.892 | 1.97254 | 1.48385 | 256537.9 | 45926.3 | 36827.9 | U/P |
| 13.167 | 2.7720 | 0.0000 | 93.891 | 1.97241 | 1.46992 | 256621.7 | 45985.5 | 36872.2 | U/P |
| 13.175 | 2.7315 | 0.0000 | 93.891 | 1.97228 | 1.45543 | 256704.3 | 46044.7 | 36916.0 | U/P |
| 13.183 | 2.6964 | 0.0000 | 93.890 | 1.97215 | 1.44051 | 256785.7 | 46103.8 | 36959.5 | U/P |
| 13.192 | 2.6660 | 0.0000 | 93.890 | 1.97201 | 1.42527 | 256866.1 | 46163.0 | 37002.5 | U/P |
| 13.200 | 2.6397 | 0.0000 | 93.889 | 1.97187 | 1.40981 | 256945.7 | 46222.2 | 37045.0 | U/P |
| 13.208 | 2.6165 | 0.0000 | 93.888 | 1.97172 | 1.39421 | 257024.6 | 46281.3 | 37087.1 | U/P |
| 13.217 | 2.5959 | 0.0000 | 93.888 | 1.97158 | 1.37855 | 257102.8 | 46340.5 | 37128.6 | U/P |
| 13.225 | 2.5777 | 0.0000 | 93.887 | 1.97143 | 1.36287 | 257180.4 | 46399.6 | 37169.8 | U/P |
| 13.233 | 2.5616 | 0.0000 | 93.886 | 1.97128 | 1.34722 | 257257.5 | 46458.7 | 37210.4 | U/P |
| 13.242 | 2.5471 | 0.0000 | 93.886 | 1.97114 | 1.33163 | 257334.1 | 46517.9 | 37250.6 | U/P |
| 13.250 | 2.5342 | 0.0000 | 93.885 | 1.97099 | 1.31615 | 257410.3 | 46577.0 | 37290.3 | U/P |
| 13.258 | 2.5228 | 0.0000 | 93.884 | 1.97084 | 1.30080 | 257486.2 | 46636.1 | 37329.6 | U/P |
| 13.267 | 2.5127 | 0.0000 | 93.884 | 1.97070 | 1.28560 | 257561.7 | 46695.3 | 37368.4 | U/P |
| 13.275 | 2.5039 | 0.0000 | 93.883 | 1.97055 | 1.27058 | 257636.9 | 46754.4 | 37406.7 | U/P |
| 13.283 | 2.4961 | 0.0000 | 93.882 | 1.97041 | 1.25575 | 257711.9 | 46813.5 | 37444.6 | U/P |
| 13.292 | 2.4891 | 0.0000 | 93.882 | 1.97027 | 1.24113 | 257786.7 | 46872.6 | 37482.1 | U/P |
| 13.300 | 2.4830 | 0.0000 | 93.881 | 1.97013 | 1.22673 | 257861.3 | 46931.7 | 37519.1 | U/P |
| 13.308 | 2.4775 | 0.0000 | 93.880 | 1.96999 | 1.21255 | 257935.7 | 46990.8 | 37555.7 | U/P |
| 13.317 | 2.4727 | 0.0000 | 93.880 | 1.96985 | 1.19861 | 258010.0 | 47049.9 | 37591.8 | U/P |
| 13.325 | 2.4684 | 0.0000 | 93.879 | 1.96971 | 1.18491 | 258084.1 | 47109.0 | 37627.6 | U/P |
| 13.333 | 2.4647 | 0.0000 | 93.879 | 1.96958 | 1.17145 | 258158.1 | 47168.1 | 37662.9 | U/P |
| 13.342 | 2.4614 | 0.0000 | 93.878 | 1.96945 | 1.15824 | 258232.0 | 47227.2 | 37697.9 | U/P |
| 13.350 | 2.4584 | 0.0000 | 93.877 | 1.96932 | 1.14527 | 258305.8 | 47286.3 | 37732.4 | U/P |
| 13.358 | 2.4558 | 0.0000 | 93.877 | 1.96919 | 1.13255 | 258379.5 | 47345.3 | 37766.6 | U/P |
| 13.367 | 2.4535 | 0.0000 | 93.876 | 1.96906 | 1.12008 | 258453.1 | 47404.4 | 37800.4 | U/P |
| 13.375 | 2.4515 | 0.0000 | 93.876 | 1.96894 | 1.10785 | 258526.7 | 47463.5 | 37833.8 | U/P |
| 13.383 | 2.4497 | 0.0000 | 93.875 | 1.96882 | 1.09586 | 258600.2 | 47522.6 | 37866.9 | U/P |
| 13.392 | 2.4481 | 0.0000 | 93.875 | 1.96870 | 1.08412 | 258673.7 | 47581.6 | 37899.6 | U/P |
| 13.400 | 2.4466 | 0.0000 | 93.874 | 1.96858 | 1.07261 | 258747.1 | 47640.7 | 37931.9 | U/P |
| 13.408 | 2.4454 | 0.0000 | 93.874 | 1.96847 | 1.06134 | 258820.5 | 47699.7 | 37963.9 | U/P |
| 13.417 | 2.4443 | 0.0000 | 93.873 | 1.96835 | 1.05029 | 258893.8 | 47758.8 | 37995.6 | U/P |
| 13.425 | 2.4433 | 0.0000 | 93.873 | 1.96824 | 1.03948 | 258967.1 | 47817.8 | 38026.9 | U/P |
| 13.433 | 2.4424 | 0.0000 | 93.872 | 1.96813 | 1.02889 | 259040.4 | 47876.9 | 38058.0 | U/P |
| 13.442 | 2.4417 | 0.0000 | 93.872 | 1.96802 | 1.01852 | 259113.7 | 47935.9 | 38088.7 | U/P |
| 13.450 | 2.4410 | 0.0000 | 93.871 | 1.96792 | 1.00836 | 259186.9 | 47995.0 | 38119.1 | U/P |
| 13.458 | 2.4403 | 0.0000 | 93.871 | 1.96781 | 0.99841 | 259260.1 | 48054.0 | 38149.2 | U/P |
| 13.467 | 2.4398 | 0.0000 | 93.870 | 1.96771 | 0.98868 | 259333.3 | 48113.0 | 38179.0 | U/P |
| 13.475 | 2.4393 | 0.0000 | 93.870 | 1.96761 | 0.97914 | 259406.5 | 48172.1 | 38208.5 | U/P |
| 13.483 | 2.4388 | 0.0000 | 93.869 | 1.96751 | 0.96980 | 259479.7 | 48231.1 | 38237.7 | U/P |
| 13.492 | 2.4384 | 0.0000 | 93.869 | 1.96741 | 0.96066 | 259552.9 | 48290.1 | 38266.7 | U/P |
| 13.500 | 2.4381 | 0.0000 | 93.868 | 1.96732 | 0.95171 | 259626.0 | 48349.1 | 38295.4 | U/P |
| 13.508 | 2.4378 | 0.0000 | 93.868 | 1.96722 | 0.94294 | 259699.1 | 48408.1 | 38323.8 | U/P |
| 13.517 | 2.4375 | 0.0000 | 93.868 | 1.96713 | 0.93435 | 259772.3 | 48467.2 | 38352.0 | U/P |
| 13.525 | 2.4372 | 0.0000 | 93.867 | 1.96704 | 0.92595 | 259845.4 | 48526.2 | 38379.9 | U/P |
| 13.533 | 2.4368 | 0.0000 | 93.867 | 1.96695 | 0.91771 | 259918.5 | 48585.2 | 38407.5 | U/P |
| 13.542 | 2.4363 | 0.0000 | 93.866 | 1.96686 | 0.90964 | 259991.6 | 48644.2 | 38434.9 | U/P |
| 13.550 | 2.4357 | 0.0000 | 93.866 | 1.96678 | 0.90173 | 260064.7 | 48703.2 | 38462.1 | U/P |
| 13.558 | 2.4350 | 0.0000 | 93.866 | 1.96669 | 0.89397 | 260137.7 | 48762.2 | 38489.0 | U/P |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: Pond 4100 yr/24 hr

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Outside Recharge (fiday) | Stage Elevation (fl datum) | Infiltration Rate ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Infifitration Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{H}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 13.567 | 2.4340 | 0.0000 | 93.865 | 1.96661 | 0.88636 | 260210.8 | 48821.2 | 38515.7 | U/P |
| 13.575 | 2.4327 | 0.0000 | 93.865 | 1.96653 | 0.87889 | 260283.8 | 48880.2 | 38542.2 | U/P |
| 13.583 | 2.4311 | 0.0000 | 93.864 | 1.96645 | 0.87155 | 260356.7 | 48939.2 | 38568.5 | U/P |
| 13.592 | 2.4294 | 0.0000 | 93.864 | 1.96637 | 0.86432 | 260429.6 | 48998.2 | 38594.5 | U/P |
| 13.600 | 2.4274 | 0.0000 | 93.864 | 1.96629 | 0.85722 | 260502.5 | 49057.2 | 38620.3 | U/P |
| 13.608 | 2.4253 | 0.0000 | 93.863 | 1.96621 | 0.85022 | 260575.3 | 49116.2 | 38646.0 | U/P |
| 13.617 | 2.4232 | 0.0000 | 93.863 | 1.96614 | 0.84333 | 260648.0 | 49175.1 | 38671.4 | U/P |
| 13.625 | 2.4210 | 0.0000 | 93.863 | 1.96606 | 0.83654 | 260720.7 | 49234.1 | 38696.6 | U/P |
| 13.633 | 2.4189 | 0.0000 | 93.862 | 1.96599 | 0.82985 | 260793.3 | 49293.1 | 38721.6 | U/P |
| 13.642 | 2.4169 | 0.0000 | 93.862 | 1.96591 | 0.82327 | 260865.8 | 49352.1 | 38746.3 | U/P |
| 13.650 | 2.4149 | 0.0000 | 93.862 | 1.96584 | 0.81677 | 260938.3 | 49411.1 | 38770.9 | U/P |
| 13.658 | 2.4131 | 0.0000 | 93.861 | 1.96577 | 0.81038 | 261010.7 | 49470.0 | 38795.4 | U/P |
| 13.667 | 2.4114 | 0.0000 | 83.861 | 1.96570 | 0.80409 | 261083.1 | 49529.0 | 38819.6 | U/P |
| 13.675 | 2.4099 | 0.0000 | 93.861 | 1.96563 | 0.79789 | 261155.4 | 49588.0 | 38843.6 | U/P |
| 13.683 | 2.4085 | 0.0000 | 93.861 | 1.96556 | 0.79179 | 261227.7 | 49646.9 | 38867.4 | U/P |
| 13.692 | 2.4074 | 0.0000 | 93.860 | 1.96549 | 0.78579 | 261299.9 | 49705.9 | 38891.1 | U/P |
| 13.700 | 2.4063 | 0.0000 | 93.860 | 1.96542 | 0.77989 | 261372.1 | 49764.9 | 38914.6 | U/P |
| 13.708 | 2.4054 | 0.0000 | 93.860 | 1.96536 | 0.77410 | 261444.3 | 49823.8 | 38937.9 | U/P |
| 13.717 | 2.4047 | 0.0000 | 93.859 | 1.96529 | 0.76840 | 261516.4 | 49882.8 | 38961.0 | U/P |
| 13.725 | 2.4040 | 0.0000 | 93.859 | 1.96523 | 0.76280 | 261588.6 | 49941.8 | 38984.0 | U/P |
| 13.733 | 2.4034 | 0.0000 | 93.859 | 1.96516 | 0.75730 | 261660.7 | 50000.7 | 39006.8 | U/P |
| 13.742 | 2.4028 | 0.0000 | 93.858 | 1.96510 | 0.75189 | 261732.8 | 50059.7 | 39029.5 | U/P |
| 13.750 | 2.4023 | 0.0000 | 93.858 | 1.96504 | 0.74658 | 261804.8 | 50118.6 | 39051.9 | U/P |
| 13.758 | 2.4019 | 0.0000 | 93.858 | 1.96498 | 0.74137 | 261876.9 | 50177.6 | 39074.2 | U/P |
| 13.767 | 2.4015 | 0.0000 | 93.858 | 1.96492 | 0.73625 | 261949.0 | 50236.5 | 39096.4 | U/P |
| 13.775 | 2.4012 | 0.0000 | 93.857 | 1.96486 | 0.73122 | 262021.0 | 50295.5 | 39118.4 | U/P |
| 13.783 | 2.4009 | 0.0000 | 93.857 | 1.96480 | 0.72628 | 262093.0 | 50354.4 | 39140.3 | U/P |
| 13.792 | 2.4006 | 0.0000 | 93.857 | 1.96475 | 0.72144 | 262165.0 | 50413.3 | 39162.0 | U/P |
| 13.800 | 2.4004 | 0.0000 | 93.857 | 1.96469 | 0.71668 | 262237.1 | 50472.3 | 39183.6 | U/P |
| 13.808 | 2.4001 | 0.0000 | 93.856 | 1.96464 | 0.71200 | 262309.1 | 50531.2 | 39205.0 | U/P |
| 13.817 | 2.4000 | 0.0000 | 93.856 | 1.96458 | 0.70742 | 262381.1 | 50590.2 | 39226.3 | U/P |
| 13.825 | 2.3998 | 0.0000 | 93.856 | 1.96453 | 0.70291 | 262453.1 | 50649.1 | 39247.5 | U/P |
| 13.833 | 2.3997 | 0.0000 | 93.856 | 1.96448 | 0.69849 | 262525.1 | 50708.0 | 39268.5 | U/P |
| 13.842 | 2.3995 | 0.0000 | 93.855 | 1.96443 | 0.69415 | 262597.0 | 50767.0 | 38289.4 | U/P |
| 13.850 | 2.3994 | 0.0000 | 93.855 | 1.96438 | 0.68989 | 262669.0 | 50825.9 | 39310.1 | U/P |
| 13.858 | 2.3993 | 0.0000 | 93.855 | 1.96433 | 0.68570 | 262741.0 | 50884.8 | 39330.8 | U/P |
| 13.867 | 2.3992 | 0.0000 | 93.855 | 1.96428 | 0.68159 | 262813.0 | 50943.8 | 39351.3 | U/P |
| 13.875 | 2.3992 | 0.0000 | 93.855 | 1.96423 | 0.67756 | 262885.0 | 51002.7 | 39371.7 | U/P |
| 13.883 | 2.3991 | 0.0000 | 93.854 | 1.96418 | 0.67360 | 262956.8 | 51061.6 | 39391.9 | U/P |
| 13.892 | 2.3990 | 0.0000 | 93.854 | 1.96413 | 0.66971 | 263028.9 | 51120.5 | 39412.1 | U/P |
| 13.900 | 2.3990 | 0.0000 | 93.854 | 1.96409 | 0.66589 | 263100.9 | 51179.5 | 39432.1 | U/P |
| 13.908 | 2.3989 | 0.0000 | 93.854 | 1.96404 | 0.66214 | 263172.8 | 51238.4 | 39452.0 | U/P |
| 13.917 | 2.3989 | 0.0000 | 93.854 | 1.96400 | 0.65846 | 263244.8 | 51297.3 | 39471.8 | U/P |
| 13.925 | 2.3988 | 0.0000 | 93.853 | 1.96396 | 0.65484 | 263316.8 | 51356.2 | 39491.5 | U/P |
| 13.933 | 2.3988 | 0.0000 | 93.853 | 1.96391 | 0.65129 | 263388.8 | 51415.1 | 39511.1 | U/P |
| 13.942 | 2.3988 | 0.0000 | 93.853 | 1.96387 | 0.64781 | 263460.7 | 51474.3 | 39530.6 | U/P |
| 13.950 | 2.3988 | 0.0000 | 93.853 | 1.96383 | 0.64438 | 263532.7 | 51533.0 | 39550.0 | U/P |
| 13.958 | 2.3987 | 0.0000 | 93.853 | 1.96379 | 0.64102 | 263604.6 | 51591.9 | 39569.3 | U/P |
| 13.967 | 2.3987 | 0.0000 | 93.852 | 1.96375 | 0.63771 | 263676.6 | 51650.8 | 39588.5 | U/P |
| 13.975 | 2.3987 | 0.0000 | 93.852 | 1.96371 | 0.63447 | 263748.6 | 51709.7 | 39607.5 | U/P |
| 13.983 | 2.3987 | 0.0000 | 93.852 | 1.96367 | 0.63128 | 263820.5 | 51768.6 | 39626.5 | U/P |
| 13.992 | 2.3987 | 0.0000 | 93.852 | 1.96363 | 0.62815 | 263892.5 | 51827.5 | 39645.4 | U/P |
| 14.000 | 2.3969 | 0.0000 | 93.852 | 1.96359 | 0.62506 | 263964.4 | 51886.4 | 39664.2 | U/P |
| 14.008 | 2.3916 | 0.0000 | 93.852 | 7.96356 | 0.62197 | 264036.3 | 51945.4 | 39682.9 | U/P |
| 14.017 | 2.3815 | 0.0000 | 93.851 | 1.96352 | 0.61881 | 264107.8 | 52004.3 | 39701.5 | U/P |
| 14.025 | 2.3659 | 0.0000 | 93.851 | 1.96348 | 0.61551 | 264179.1 | 52063.2 | 39720.0 | U/P |
| 14.033 | 2.3429 | 0.0000 | 93.851 | 1.96344 | 0.61195 | 264249.7 | 52122.1 | 39738.5 | U/P |
| 14.042 | 2.3107 | 0.0000 | 93.851 | 1.96339 | 0.60803 | 264319.5 | 52181.0 | 39756.8 | U/P |
| 14.050 | 2.2680 | 0.0000 | 93.850 | 1.96334 | 0.60359 | 264388.2 | 52239.9 | 39774.9 | U/P |
| 14.058 | 2.2135 | 0.0000 | 93.850 | 1.96328 | 0.59846 | 264455.4 | 52298.8 | 39793.0 | U/P |
| 14.067 | 2.1489 | 0.0000 | 93.850 | 1.96321 | 0.59250 | 264520.8 | 52357.7 | 39810.8 | U/P |
| 14.075 | 2.0763 | 0.0000 | 93.849 | 1.96313 | 0.58559 | 264584.2 | 52416.6 | 39828.5 | U/P |
| 14.083 | 1.9978 | 0.0000 | 93.849 | 1.96304 | 0.57763 | 264645.3 | 52475.5 | 39845.9 | U/P |
| 14.092 | 1.9154 | 0.0000 | 93.849 | 1.96293 | 0.56860 | 264704.0 | 52534.3 | 39863.1 | U/P |
| 14.100 | 1.8323 | 0.0000 | 93.848 | 1.96281 | 0.55848 | 264760.2 | 52593.2 | 39880.0 | U/P |
| 14.108 | 1.7494 | 0.0000 | 93.847 | 1.96268 | 0.54732 | 264814.0 | 52652.1 | 39896.6 | U/P |
| 14.117 | 1.6680 | 0.0000 | 93.847 | 1.96253 | 0.53515 | 264865.2 | 52711.0 | 39912.9 | U/P |
| 14.125 | 1.5804 | 0.0000 | 93.846 | 1.96237 | 0.52207 | 264914.1 | 52769.9 | 39928.7 | U/P |
| 14.133 | 1.5171 | 0.0000 | 93.845 | 1.96219 | 0.50817 | 264960.7 | 52828.7 | 39944.2 | U/P |
| 14.142 | 1.4486 | 0.0000 | 93.844 | 1.96201 | 0.49355 | 265005.2 | 52887.6 | 39959.2 | U/P |
| 14.150 | 1.3854 | 0.0000 | 93.843 | 1.96181 | 0.47833 | 265047.7 | 52946.5 | 39973.8 | U/P |
| 14.158 | 1.3285 | 0.0000 | 93.842 | 1.96160 | 0.46263 | 265088.4 | 53005.3 | 39987.9 | U/P |
| 14.767 | 1.2790 | 0.0000 | 93.841 | 1.96139 | 0.44656 | 265127.5 | 53064.1 | 40001.5 | U/P |
| 14.175 | 1.2363 | 0.0000 | 93.840 | 1.96117 | 0.43027 | 265165.3 | 53123.0 | 40014.7 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: Pond 4100 yr/24 hr

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 /} \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{fl}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{fl}^{3 / 5}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 14.183 | 1.1992 | 0.0000 | 93.839 | 1.96094 | 0.41384 | 265201.8 | 53181.8 | 40027.4 | U/P |
| 14.192 | 1.1665 | 0.0000 | 93.838 | 1.96071 | 0.39738 | 265237.3 | 53240.6 | 40039.5 | U/P |
| 14.200 | 1.1376 | 0.0000 | 93.837 | 1.96048 | 0.38095 | 265271.8 | 53299.5 | 40051.2 | U/P |
| 14.208 | 1.1120 | 0.0000 | 93.836 | 1.96024 | 0.36460 | 265305.6 | 53358.3 | 40062.4 | U/P |
| 14.217 | 1.0893 | 0.0000 | 93.835 | 1.96001 | 0.34840 | 265338.6 | 53417.1 | 40073.1 | U/P |
| 14.225 | 1.0689 | 0.0000 | 93.834 | 1.95977 | 0.33237 | 265371.0 | 53475.9 | 40083.3 | U/P |
| 14.233 | 1.0508 | 0.0000 | 93.833 | 1.95953 | 0.31656 | 265402.8 | 53534.7 | 40093.0 | U/P |
| 14.242 | 1.0348 | 0.0000 | 93.832 | 1.95929 | 0.30098 | 265434.0 | 53593.4 | 40102.3 | U/P |
| 14.250 | 1.0206 | 0.0000 | 93.831 | 1.95905 | 0.28568 | 265464.9 | 53652.2 | 40111.1 | U/P |
| 14.258 | 1.0082 | 0.0000 | 93.830 | 1.95881 | 0.27067 | 265495.3 | 53711.0 | 40119.4 | U/P |
| 14.267 | 0.9972 | 0.0000 | 93.829 | 1.95857 | 0.25597 | 265525.4 | 53769.8 | 40127.3 | U/P |
| 14.275 | 0.9874 | 0.0000 | 93.827 | 1.95833 | 0.24160 | 265555.2 | 53828.5 | 40134.8 | U/P |
| 14.283 | 0.9787 | 0.0000 | 93.826 | 1.95809 | 0.22756 | 265584.7 | 53887.3 | 40141.8 | U/P |
| 14.292 | 0.9710 | 0.0000 | 93.825 | 1.95786 | 0.21387 | 265613.9 | 53946.0 | 40148.5 | U/P |
| 14.300 | 0.9643 | 0.0000 | 93.824 | 1.95762 | 0.20054 | 265642.9 | 54004.7 | 40154.7 | U/P |
| 14.308 | 0.9583 | 0.0000 | 93.823 | 1.95739 | 0.18757 | 265671.8 | 54063.4 | 40160.5 | U/P |
| 14.317 | 0.9530 | 0.0000 | 93.822 | 1.95716 | 0.17497 | 265700.4 | 54122.2 | 40165.9 | U/P |
| 14.325 | 0.9484 | 0.0000 | 93.821 | 1.95693 | 0.16274 | 265728.9 | 54180.9 | 40171.0 | U/P |
| 14.333 | 0.9442 | 0.0000 | 93.820 | 1.95670 | 0.15089 | 265757.3 | 54239.6 | 40175.7 | U/P |
| 14.342 | 0.9406 | 0.0000 | 93.819 | 1.95647 | 0.13942 | 265785.6 | 54298.3 | 40180.1 | U/P |
| 14.350 | 0.9373 | 0.0000 | 93.818 | 1.95624 | 0.12833 | 265813.8 | 54357.0 | 40184.1 | U/P |
| 14.358 | 0.9344 | 0.0000 | 93.817 | 1.95602 | 0.11762 | 265841.8 | 54415.7 | 40187.8 | U/P |
| 14.367 | 0.9319 | 0.0000 | 93.816 | 1.95579 | 0.10730 | 265869.8 | 54474.3 | 40191.1 | U/P |
| 14.375 | 0.9296 | 0.0000 | 93.815 | 1.95557 | 0.09737 | 265897.8 | 54533.0 | 40194.2 | U/P |
| 14.383 | 0.9276 | 0.0000 | 93.814 | 1.95535 | 0.08783 | 265925.6 | 54591.7 | 40197.0 | U/P |
| 14.392 | 0.9259 | 0.0000 | 93.813 | 1.95513 | 0.07868 | 265953.4 | 54650.3 | 40199.5 | U/P |
| 14.400 | 0.9243 | 0.0000 | 93.812 | 1.95491 | 0.06994 | 265981.2 | 54709.0 | 40201.7 | U/P |
| 14.408 | 0.9229 | 0.0000 | 93.811 | 1.95470 | 0.06159 | 286008.9 | 54767.6 | 40203.7 | U/P |
| 14.417 | 0.9217 | 0.0000 | 93.810 | 1.95448 | 0.05366 | 286036.6 | 54826.3 | 40205.4 | U/P |
| 14.425 | 0.9206 | 0.0000 | 93.809 | 1.95427 | 0.04615 | 266064.2 | 54884.9 | 40206.9 | U/P |
| 14.433 | 0.9196 | 0.0000 | 93.808 | 1.95406 | 0.03906 | 266091.8 | 54943.5 | 40208.2 | U/P |
| 14.442 | 0.9188 | 0.0000 | 93.807 | 1.95385 | 0.03242 | 266119.4 | 55002.1 | 40209.3 | U/P |
| 14.450 | 0.9180 | 0.0000 | 93.806 | 1.95364 | 0.02623 | 266146.9 | 55060.7 | 40210.1 | U/P |
| 14.458 | 0.9173 | 0.0000 | 93.805 | 1.95343 | 0.02052 | 266174.5 | 55119.3 | 40210.8 | U/P |
| 14.467 | 0.9166 | 0.0000 | 93.804 | 1.95322 | 0.01533 | 266202.0 | 55177.9 | 40211.4 | U/P |
| 14.475 | 0.9160 | 0.0000 | 93.803 | 1.95301 | 0.01068 | 266229.5 | 55236.5 | 40211.8 | U/P |
| 14.483 | 0.9155 | 0.0000 | 93.803 | 1.95281 | 0.00665 | 266256.9 | 55295.1 | 40212.0 | U/P |
| 14.492 | 0.9151 | 0.0000 | 93.802 | 1.95260 | 0.00332 | 266284.4 | 55353.7 | 40212.2 | U/P |
| 14.500 | 0.9148 | 0.0000 | 93.801 | 1.95240 | 0.00088 | 266311.8 | 55412.3 | 40212.2 | U/P |
| 14.508 | 0.9145 | 0.0000 | 93.800 | 1.95219 | 0.00000 | 266339.3 | 55470.9 | 40212.2 | U/P |
| 14.517 | 0.9142 | 0.0000 | 93.799 | 1.95199 | 0.00000 | 266366.7 | 55529.4 | 40212.2 | U/P |
| 14.525 | 0.9141 | 0.0000 | 93.798 | 1.95179 | 0.00000 | 266394.1 | 55588.0 | 40212.2 | U/P |
| 14.533 | 0.9140 | 0.0000 | 93.797 | 1.95158 | 0.00000 | 266421.6 | 55646.5 | 40212.2 | U/P |
| 14.542 | 0.9139 | 0.0000 | 93.796 | 1.95138 | 0.00000 | 266449.0 | 55705.1 | 40212.2 | U/P |
| 14.550 | 0.9139 | 0.0000 | 93.795 | 1.95117 | 0.00000 | 266476.4 | 55763.6 | 40212.2 | U/P |
| 14.558 | 0.9139 | 0.0000 | 93.794 | 1.95097 | 0.00000 | 266503.8 | 55822.1 | 40212.2 | U/P |
| 14.567 | 0.9139 | 0.0000 | 93.793 | 1.95077 | 0.00000 | 286531.2 | 55880.7 | 40212.2 | U/P |
| 14.575 | 0.9139 | 0.0000 | 93.792 | 1.95056 | 0.00000 | 266558.6 | 55939.2 | 40212.2 | U/P |
| 14.583 | 0.9139 | 0.0000 | 93.791 | 1.95036 | 0.00000 | 266586.1 | 55997.7 | 40212.2 | U/P |
| 14.592 | 0.9139 | 0.0000 | 93.791 | 1.95015 | 0.00000 | 266613.5 | 56056.2 | 40212.2 | U/P |
| 14.600 | 0.9139 | 0.0000 | 93.790 | 1.94995 | 0.00000 | 266640.9 | 56114.7 | 40212.2 | U/P |
| 14.608 | 0.9139 | 0.0000 | 93.789 | 1.94975 | 0.00000 | 266668.3 | 56173.2 | 40212.2 | U/P |
| 14.617 | 0.9138 | 0.0000 | 93.788 | 1.94954 | 0.00000 | 266695.7 | 56231.7 | 40212.2 | U/P |
| 14.625 | 0.9138 | 0.0000 | 93.787 | 1.94934 | 0.00000 | 266723.1 | 56290.2 | 40212.2 | U/P |
| 14.633 | 0.9138 | 0.0000 | 93.786 | 1.94914 | 0.00000 | 266750.6 | 56348.6 | 40212.2 | U/P |
| 14.642 | 0.9138 | 0.0000 | 93.785 | 1.94893 | 0.00000 | 266778.0 | 56407.1 | 40212.2 | U/P |
| 14.650 | 0.9138 | 0.0000 | 93.784 | 1.94873 | 0.00000 | 266805.4 | 56465.6 | 40212.2 | U/P |
| 14.658 | 0.9138 | 0.0000 | 93.783 | 1.94852 | 0.00000 | 266832.8 | 56524.0 | 40212.2 | U/P |
| 14.667 | 0.9138 | 0.0000 | 93.782 | 1.94832 | 0.00000 | 266860.2 | 56582.5 | 40212.2 | U/P |
| 14.675 | 0.9138 | 0.0000 | 93.781 | 1.94812 | 0.00000 | 266887.6 | 56640.9 | 40212.2 | U/P |
| 14.683 | 0.9138 | 0.0000 | 93.780 | 1.94791 | 0.00000 | 266915.0 | 56699.4 | 40212.2 | U/P |
| 14.692 | 0.9138 | 0.0000 | 93.779 | 1.94771 | 0.00000 | 266942.4 | 56757.8 | 40212.2 | U/P |
| 14.700 | 0.9138 | 0.0000 | 93.779 | 1.94751 | 0.00000 | 266969.9 | 56816.2 | 40212.2 | U/P |
| 14.708 | 0.9138 | 0.0000 | 93.778 | 1.94730 | 0.00000 | 266997.3 | 56874.7 | 40212.2 | U/P |
| 14.717 | 0.9138 | 0.0000 | 93.777 | 1.94710 | 0.00000 | 267024.7 | 56933.1 | 40212.2 | U/P |
| 14.725 | 0.9138 | 0.0000 | 93.776 | 1.94689 | 0.00000 | 267052.1 | 56991.5 | 40212.2 | U/P |
| 14.733 | 0.9138 | 0.0000 | 93.775 | 1.94669 | 0.00000 | 267079.5 | 57049.9 | 40212.2 | U/P |
| 14.742 | 0.9138 | 0.0000 | 93.774 | 1.94649 | 0.00000 | 267106.9 | 57108.3 | 40212.2 | U/P |
| 14.750 | 0.9138 | 0.0000 | 93.773 | 1.94628 | 0.00000 | 267134.3 | 57166.7 | 40212.2 | U/P |
| 14.758 | 0.9138 | 0.0000 | 93.772 | 1.94608 | 0.00000 | 267161.8 | 57225.1 | 40212.2 | U/P |
| 14.767 | 0.9138 | 0.0000 | 93.771 | 1.94588 | 0.00000 | 267189.2 | 57283.5 | 40212.2 | U/P |
| 14.775 | 0.9138 | 0.0000 | 93.770 | 1.94567 | 0.00000 | 267216.6 | 57341.8 | 40212.2 | U/P |
| 14.783 | 0.9138 | 0.0000 | 93.769 | 1.94547 | 0.00000 | 267244.0 | 57400.2 | 40212.2 | U/P |
| 14.792 | 0.9138 | 0.0000 | 93.768 | 1.94527 | 0.00000 | 267271.4 | 57458.6 | 40212.2 | U/P |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: Pond $4100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Infiow Rate (fis/s) | Outside Recharge (fl/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow <br> Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 14.800 | 0.9138 | 0.0000 | 93.767 | 1.94506 | 0.00000 | 267298.8 | 57516.9 | 40212.2 | U/P |
| 14.808 | 0.9138 | 0.0000 | 93.767 | 1.94486 | 0.00000 | 267326.3 | 57575.3 | 40212.2 | U/P |
| 14.817 | 0.9138 | 0.0000 | 93.766 | 1.94466 | 0.00000 | 267353.7 | 57633.6 | 40212.2 | U/P |
| 14.825 | 0.9138 | 0.0000 | 93.765 | 1.94445 | 0.00000 | 267381.1 | 57691.9 | 40212.2 | U/P |
| 14.833 | 0.9138 | 0.0000 | 93.764 | 1.94425 | 0.00000 | 267408.5 | 57750.3 | 40212.2 | U/P |
| 14.842 | 0.9138 | 0.0000 | 93.763 | 1.94405 | 0.00000 | 267435.9 | 57808.6 | 40212.2 | U/P |
| 14.850 | 0.9138 | 0.0000 | 93.762 | 1.94384 | 0.00000 | 267463.3 | 57866.9 | 40212.2 | U/P |
| 14.858 | 0.9138 | 0.0000 | 93.761 | 1.94364 | 0.00000 | 267490.7 | 57925.2 | 40212.2 | U/P |
| 14.867 | 0.9138 | 0.0000 | 93.760 | 1.94344 | 0.00000 | 267518.1 | 57983.5 | 40212.2 | U/P |
| 14.875 | 0.9138 | 0.0000 | 93.759 | 1.94323 | 0.00000 | 267545.5 | 58041.8 | 40212.2 | U/P |
| 14.883 | 0.9138 | 0.0000 | 93.758 | 1.94303 | 0.00000 | 267572.9 | 58100.1 | 40212.2 | U/P |
| 14.892 | 0.9138 | 0.0000 | 93.757 | 1.94283 | 0.00000 | 267600.4 | 58158.4 | 40212.2 | U/P |
| 14.900 | 0.9138 | 0.0000 | 93.756 | 1.94262 | 0.00000 | 267627.8 | 58216.7 | 40212.2 | U/P |
| 14.908 | 0.9138 | 0.0000 | 93.755 | 1.94242 | 0.00000 | 267655.2 | 58275.0 | 40212.2 | U/P |
| 14.917 | 0.9138 | 0.0000 | 93.755 | 1.94222 | 0.00000 | 267682.6 | 58333.2 | 40212.2 | U/P |
| 14.925 | 0.9138 | 0.0000 | 93.754 | 1.94201 | 0.00000 | 267710.0 | 58391.5 | 40212.2 | U/P |
| 14.933 | 0.9138 | 0.0000 | 93.753 | 1.94181 | 0.00000 | 267737.4 | 58449.8 | 40212.2 | U/P |
| 14.942 | 0.9138 | 0.0000 | 93.752 | 1.94161 | 0.00000 | 267764.8 | 58508.0 | 40212.2 | U/P |
| 14.950 | 0.9138 | 0.0000 | 93.751 | 1.94140 | 0.00000 | 267792.3 | 58566.3 | 40212.2 | U/P |
| 14.958 | 0.9138 | 0.0000 | 93.750 | 1.94120 | 0.00000 | 267819.7 | 58624.5 | 40212.2 | U/P |
| 14.967 | 0.9138 | 0.0000 | 93.749 | 1.94100 | 0.00000 | 267847.1 | 58682.7 | 40212.2 | U/P |
| 14.975 | 0.9138 | 0.0000 | 93.748 | 1.94079 | 0.00000 | 267874.5 | 58741.0 | 40212.2 | U/P |
| 14.983 | 0.9138 | 0.0000 | 93.747 | 1.94059 | 0.00000 | 267901.9 | 58799.2 | 40212.2 | U/P |
| 14.992 | 0.9138 | 0.0000 | 93.746 | 1.94039 | 0.00000 | 267929.3 | 58857.4 | 40212.2 | U/P |
| 15.000 | 0.9138 | 0.0000 | 93.745 | 1.94018 | 0.00000 | 267956.7 | 58915.6 | 40212.2 | U/P |
| 15.008 | 0.9138 | 0.0000 | 93.744 | 1.93998 | 0.00000 | 267984.2 | 58973.8 | 40212.2 | U/P |
| 15.017 | 0.9138 | 0.0000 | 93.744 | 1.93978 | 0.00000 | 268011.6 | 59032.0 | 40212.2 | U/P |
| 15.025 | 0.9138 | 0.0000 | 93.743 | 1.93958 | 0.00000 | 268039.0 | 59090.2 | 40212.2 | U/P |
| 15.033 | 0.9138 | 0.0000 | 93.742 | 1.93937 | 0.00000 | 268066.4 | 59148.4 | 40212.2 | U/P |
| 15.042 | 0.9138 | 0.0000 | 93.741 | 1.93917 | 0.00000 | 268093.8 | 59206.5 | 40212.2 | U/P |
| 15.050 | 0.9138 | 0.0000 | 93.740 | 1.93897 | 0.00000 | 268121.2 | 59264.7 | 40212.2 | U/P |
| 15.058 | 0.9138 | 0.0000 | 93.739 | 1.93876 | 0.00000 | 268148.6 | 59322.9 | 40212.2 | U/P |
| 15.067 | 0.9138 | 0.0000 | 93.738 | 1.93856 | 0.00000 | 268176.0 | 59381.0 | 40212.2 | U/P |
| 15.075 | 0.9138 | 0.0000 | 93.737 | 1.93836 | 0.00000 | 268203.5 | 59439.2 | 40212.2 | U/P |
| 15.083 | 0.9138 | 0.0000 | 93.736 | 1.93816 | 0.00000 | 268230.9 | 59497.3 | 40212.2 | U/P |
| 15.092 | 0.9138 | 0.0000 | 93.735 | 1.93795 | 0.00000 | 268258.3 | 59555.5 | 40212.2 | U/P |
| 15.100 | 0.9138 | 0.0000 | 93.734 | 1.93775 | 0.00000 | 268285.7 | 59613.6 | 40212.2 | U/P |
| 15.108 | 0.9138 | 0.0000 | 93.733 | 1.93755 | 0.00000 | 268313.1 | 59671.8 | 40212.2 | U/P |
| 15.117 | 0.9138 | 0.0000 | 93.733 | 1.93734 | 0.00000 | 268340.5 | 59729.9 | 40212.2 | U/P |
| 15.125 | 0.9138 | 0.0000 | 93.732 | 1.93714 | 0.00000 | 268367.9 | 59788.0 | 40212.2 | U/P |
| 15.133 | 0.9139 | 0.0000 | 93.731 | 1.93694 | 0.00000 | 268395.3 | 59846.1 | 40212.2 | U/P |
| 15.142 | 0.9139 | 0.0000 | 93.730 | 1.93674 | 0.00000 | 268422.8 | 59904.2 | 40212.2 | U/P |
| 15.150 | 0.9139 | 0.0000 | 93.729 | 1.93653 | 0.00000 | 268450.2 | 59962.3 | 40212.2 | U/P |
| 15.158 | 0.9139 | 0.0000 | 93.728 | 1.93633 | 0.00000 | 268477.6 | 60020.4 | 40212.2 | U/P |
| 15.167 | 0.9139 | 0.0000 | 93.727 | 1.93613 | 0.00000 | 268505.0 | 60078.5 | 40212.2 | U/P |
| 15.175 | 0.9139 | 0.0000 | 93.726 | 1.93593 | 0.00000 | 268532.4 | 60136.6 | 40212.2 | U/P |
| 15.183 | 0.9139 | 0.0000 | 93.725 | 1.93572 | 0.00000 | 268559.8 | 60194.6 | 40212.2 | U/P |
| 15.192 | 0.9139 | 0.0000 | 93.724 | 1.93552 | 0.00000 | 268587.3 | 60252.7 | 40212.2 | U/P |
| 15.200 | 0.9139 | 0.0000 | 93.723 | 1.93532 | 0.00000 | 268614.7 | 60310.8 | 40212.2 | U/P |
| 15.208 | 0.9139 | 0.0000 | 93.722 | 1.93512 | 0.00000 | 268642.1 | 60368.8 | 40212.2 | U/P |
| 15.217 | 0.9139 | 0.0000 | 93.722 | 1.93491 | 0.00000 | 268669.5 | 60426.9 | 40212.2 | U/P |
| 15.225 | 0.9139 | 0.0000 | 93.721 | 1.93471 | 0.00000 | 268696.9 | 60484.9 | 40212.2 | U/P |
| 15.233 | 0.9139 | 0.0000 | 93.720 | 1.93451 | 0.00000 | 268724.3 | 60543.0 | 40212.2 | U/P |
| 15.242 | 0.9139 | 0.0000 | 93.719 | 1.93431 | 0.00000 | 268751.8 | 60601.0 | 40212.2 | U/P |
| 15.250 | 0.9139 | 0.0000 | 93.718 | 1.93410 | 0.00000 | 268779.2 | 60659.0 | 40212.2 | U/P |
| 15.258 | 0.9139 | 0.0000 | 93.717 | 1.93390 | 0.00000 | 268806.6 | 60717.0 | 40212.2 | U/P |
| 15.267 | 0.9139 | 0.0000 | 93.716 | 1.93370 | 0.00000 | 268834.0 | 60775.1 | 40212.2 | U/P |
| 15.275 | 0.9139 | 0.0000 | 93.715 | 1.93350 | 0.00000 | 268861.4 | 60833.1 | 40212.2 | U/P |
| 15.283 | 0.9139 | 0.0000 | 93.714 | 1.93329 | 0.00000 | 268888.9 | 60891.1 | 40212.2 | U/P |
| 15.292 | 0.9139 | 0.0000 | 93.713 | 1.93309 | 0.00000 | 268916.3 | 60949.1 | 40212.2 | U/P |
| 15.300 | 0.9139 | 0.0000 | 93.712 | 1.93289 | 0.00000 | 268943.7 | 61007.1 | 40212.2 | U/P |
| 15.308 | 0.9139 | 0.0000 | 93.711 | 1.93269 | 0.00000 | 268971.1 | 61065.0 | 40212.2 | U/P |
| 15.317 | 0.9139 | 0.0000 | 93.711 | 1.93249 | 0.00000 | 268998.5 | 61123.0 | 40212.2 | U/P |
| 15.325 | 0.9139 | 0.0000 | 93.710 | 1.93228 | 0.00000 | 269025.9 | 61181.0 | 40212.2 | U/P |
| 15.333 | 0.9139 | 0.0000 | 93.709 | 1.93208 | 0.00000 | 269053.4 | 61239.0 | 40212.2 | U/P |
| 15.342 | 0.9139 | 0.0000 | 93.708 | 1.93188 | 0.00000 | 269080.8 | 61296.9 | 40212.2 | U/P |
| 15.350 | 0.9139 | 0.0000 | 93.707 | 1.93168 | 0.00000 | 269108.2 | 61354.9 | 40212.2 | U/P |
| 15.358 | 0.9139 | 0.0000 | 93.706 | 1.93147 | 0.00000 | 269135.6 | 61412.8 | 40212.2 | U/P |
| 15.367 | 0.9139 | 0.0000 | 93.705 | 1.93127 | 0.00000 | 269163.0 | 61470.8 | 40212.2 | U/P |
| 15.375 | 0.9139 | 0.0000 | 93.704 | 1.93107 | 0.00000 | 269190.5 | 61528.7 | 40212.2 | U/P |
| 15.383 | 0.9139 | 0.0000 | 93.703 | 1.93087 | 0.00000 | 269217.9 | 61586.6 | 40212.2 | U/P |
| 15.392 | 0.9139 | 0.0000 | 93.702 | 1.93067 | 0.00000 | 269245.3 | 61644.5 | 40212.2 | U/P |
| 15.400 | 0.9139 | 0.0000 | 93.701 | 1.93046 | 0.00000 | 269272.7 | 61702.5 | 40212.2 | U/P |
| 15.408 | 0.9139 | 0.0000 | 93.700 | 1.93026 | 0.00000 | 269300.1 | 61760.4 | 40212.2 | U/P |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: Pond $4100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{fl}^{3 / \mathrm{s}}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 15.417 | 0.9139 | 0.0000 | 93.700 | 1.93006 | 0.00000 | 269327.6 | 61818.3 | 40212.2 | U/P |
| 15.425 | 0.9139 | 0.0000 | 93.699 | 1.92986 | 0.00000 | 269355.0 | 61876.2 | 40212.2 | U/P |
| 15.433 | 0.9139 | 0.0000 | 93.698 | 1.92966 | 0.00000 | 269382.4 | 61934.1 | 40212.2 | U/P |
| 15.442 | 0.9139 | 0.0000 | 93.697 | 1.92945 | 0.00000 | 269409.8 | 61992.0 | 40212.2 | U/P |
| 15.450 | 0.9139 | 0.0000 | 93.696 | 1.92925 | 0.00000 | 269437.2 | 62049.8 | 40212.2 | U/P |
| 15.458 | 0.9139 | 0.0000 | 93.695 | 1.92905 | 0.00000 | 269464.6 | 62107.7 | 40212.2 | U/P |
| 15.467 | 0.9139 | 0.0000 | 93.694 | 1.92885 | 0.00000 | 269492.1 | 62165.6 | 40212.2 | U/P |
| 15.475 | 0.9139 | 0.0000 | 93.693 | 1.92865 | 0.00000 | 269519.5 | 62223.4 | 40212.2 | U/P |
| 15.483 | 0.9139 | 0.0000 | 93.692 | 1.92844 | 0.00000 | 269546.9 | 62281.3 | 40212.2 | U/P |
| 15.492 | 0.9139 | 0.0000 | 93.691 | 1.92824 | 0.00000 | 269574.3 | 62339.1 | 40212.2 | U/P |
| 15.500 | 0.9139 | 0.0000 | 93.690 | 1.92804 | 0.00000 | 269601.7 | 62397.0 | 40212.2 | U/P |
| 15.508 | 0.9138 | 0.0000 | 93.690 | 1.92784 | 0.00000 | 269629.2 | 62454.8 | 40212.2 | U/P |
| 15.517 | 0.9135 | 0.0000 | 93.689 | 1.92764 | 0.00000 | 269656.6 | 62512.7 | 40212.2 | U/P |
| 15.525 | 0.9126 | 0.0000 | 93.688 | 1.92743 | 0.00000 | 269683.9 | 62570.5 | 40212.2 | U/P |
| 15.533 | 0.9113 | 0.0000 | 93.687 | 1.92723 | 0.00000 | 269711.3 | 62628.3 | 40212.2 | U/P |
| 15.542 | 0.9093 | 0.0000 | 93.686 | 1.92703 | 0.00000 | 269738.6 | 62686.1 | 40212.2 | U/P |
| 15.550 | 0.9064 | 0.0000 | 93.685 | 1.92683 | 0.00000 | 269765.8 | 62743.9 | 40212.2 | U/P |
| 45.558 | 0.9025 | 0.0000 | 93.684 | 1.92662 | 0.00000 | 269793.0 | 62801.7 | 40212.2 | U/P |
| 15.567 | 0.8974 | 0.0000 | 93.683 | 1.92642 | 0.00000 | 269820.0 | 62859.5 | 40212.2 | U/P |
| 15.575 | 0.8912 | 0.0000 | 93.682 | 1.92622 | 0.00000 | 269846.8 | 62917.3 | 40212.2 | U/P |
| 15.583 | 0.8841 | 0.0000 | 93.681 | 1.92601 | 0.00000 | 269873.4 | 62975.1 | 40212.2 | U/P |
| 15.592 | 0.8763 | 0.0000 | 93.680 | 1.92580 | 0.00000 | 269899.8 | 63032.9 | 40212.2 | U/P |
| \$5.600 | 0.8681 | 0.0000 | 93.679 | 1.92559 | 0.00000 | 269926.0 | 63090.6 | 40212.2 | U/P |
| 15.608 | 0.8596 | 0.0000 | 93.678 | 1.92538 | 0.00000 | 269951.9 | 63148.4 | 40212.2 | U/P |
| 15.617 | 0.8510 | 0.0000 | 93.677 | 1.92517 | 0.00000 | 269977.6 | 63206.2 | 40212.2 | U/P |
| 15.625 | 0.8426 | 0.0000 | 93.676 | 1.92495 | 0.00000 | 270003.0 | 63263.9 | 40212.2 | U/P |
| 15.633 | 0.8345 | 0.0000 | 93.675 | 1.92474 | 0.00000 | 270028.2 | 63321.7 | 40212.2 | U/P |
| 15.642 | 0.8267 | 0.0000 | 93.674 | 1.92452 | 0.00000 | 270053.1 | 63379.4 | 40212.2 | U/P |
| 15.650 | 0.8195 | 0.0000 | 93.673 | 1.92430 | 0.00000 | 270077.8 | 63437.1 | 40212.2 | U/P |
| 15.658 | 0.8128 | 0.0000 | 93.672 | \$.92408 | 0.00000 | 270102.3 | 63494.9 | 40212.2 | U/P |
| 15.667 | 0.8066 | 0.0000 | 93.671 | 1.92386 | 0.00000 | 270126.5 | 63552.6 | 40212.2 | U/P |
| 15.675 | 0.8012 | 0.0000 | 93.670 | 1.92364 | 0.00000 | 270150.7 | 63610.3 | 40212.2 | U/P |
| 15.683 | 0.7965 | 0.0000 | 93.669 | 1.92341 | 0.00000 | 270174.6 | 63668.0 | 40212.2 | U/P |
| 15.692 | 0.7925 | 0.0000 | 93.668 | 1.92319 | 0.00000 | 270198.4 | 63725.7 | 40212.2 | U/P |
| 15.700 | 0.7889 | 0.0000 | 93.667 | 1.92296 | 0.00000 | 270222.2 | 63783.4 | 40212.2 | U/P |
| 15.708 | 0.7858 | 0.0000 | 93,666 | 1.92274 | 0.00000 | 270245.8 | 63841.1 | 40212.2 | U/P |
| 15.717 | 0.7830 | 0.0000 | 93.665 | 1.92251 | 0.00000 | 270269.3 | 63898.8 | 40212.2 | U/P |
| 15.725 | 0.7806 | 0.0000 | 93.664 | 1.92228 | 0.00000 | 270292.8 | 63956.4 | 40212.2 | U/P |
| 15.733 | 0.7784 | 0.0000 | 93.663 | 1.92206 | 0.00000 | 270316.2 | 64014.1 | 40212.2 | U/P |
| 15.742 | 0.7764 | 0.0000 | 93.662 | 1.92183 | 0.00000 | 270339.5 | 64071.8 | 40212.2 | U/P |
| 15.750 | 0.7747 | 0.0000 | 93.661 | 1.92160 | 0.00000 | 270362.8 | 64129.4 | 40212.2 | U/P |
| 15.758 | 0.7731 | 0.0000 | 93.660 | 1.92137 | 0.00000 | 270386.0 | 64187.0 | 40212.2 | U/P |
| 15.767 | 0.7718 | 0.0000 | 93.659 | 1.92114 | 0.00000 | 270409.1 | 64244.7 | 40212.2 | U/P |
| 15.775 | 0.7706 | 0.0000 | 93.658 | 1.92091 | 0.00000 | 270432.3 | 64302.3 | 40212.2 | U/P |
| 15.783 | 0.7695 | 0.0000 | 93.657 | 1.92068 | 0.00000 | 270455.4 | 64359.9 | 40212.2 | U/P |
| 15.792 | 0.7686 | 0.0000 | 93.656 | 1.92045 | 0.00000 | 270478.4 | 64417.6 | 40212.2 | U/P |
| 15.800 | 0.7677 | 0.0000 | 93.655 | \$.92022 | 0.00000 | 270501.5 | 64475.2 | 40212.2 | U/P |
| 15.808 | 0.7670 | 0.0000 | 93.654 | 1.91999 | 0.00000 | 270524.5 | 64532.8 | 40212.2 | U/P |
| 15.817 | 0.7664 | 0.0000 | 93.653 | 1.91976 | 0.00000 | 270547.5 | 64590.4 | 40212.2 | U/P |
| 15.825 | 0.7658 | 0.0000 | 93.652 | 1.91953 | 0.00000 | 270570.5 | 64648.0 | 40212.2 | U/P |
| 15.833 | 0.7653 | 0.0000 | 93.651 | 1.91930 | 0.00000 | 270593.5 | 64705.5 | 40212.2 | U/P |
| 15.842 | 0.7648 | 0.0000 | 93.650 | 1.91907 | 0.00000 | 270616.4 | 64763.1 | 40212.2 | U/P |
| 15.850 | 0.7644 | 0.0000 | 93,649 | 1.91884 | 0.00000 | 270639.3 | 64820.7 | 40212.2 | U/P |
| 15.858 | 0.7641 | 0.0000 | 93.648 | 1.91861 | 0.00000 | 270662.3 | 64878.2 | 40212.2 | U/P |
| 15.867 | 0.7638 | 0.0000 | 93.647 | 1.91838 | 0.00000 | 270685.2 | 64935.8 | 40212.2 | U/P |
| 15.875 | 0.7635 | 0.0000 | 93.646 | 1.91814 | 0.00000 | 270708.1 | 64993.3 | 40212.2 | U/P |
| 15.883 | 0.7632 | 0.0000 | 93.645 | 1.91791 | 0.00000 | 270731.0 | 65050.9 | 40212.2 | U/P |
| 15.892 | 0.7630 | 0.0000 | 93.644 | 1.91768 | 0.00000 | 270753.9 | 65108.4 | 40212.2 | U/P |
| 15.900 | 0.7628 | 0.0000 | 93.642 | 1.91745 | 0.00000 | 270776.8 | 65165.9 | 40212.2 | U/P |
| 15.908 | 0.7627 | 0.0000 | 93.641 | 1.91722 | 0.00000 | 270799.7 | 65223.5 | 40212.2 | U/P |
| 15.917 | 0.7625 | 0.0000 | 93.640 | 1.91699 | 0.00000 | 270822.6 | 65281.0 | 40212.2 | U/P |
| 15.925 | 0.7624 | 0.0000 | 93.639 | 1.91676 | 0.00000 | 270845.4 | 65338.5 | 40212.2 | U/P |
| 15.933 | 0.7623 | 0.0000 | 93.638 | 1.91653 | 0.00000 | 270868.3 | 65396.0 | 40212.2 | U/P |
| 15.942 | 0.7622 | 0.0000 | 93.637 | 1.91630 | 0.00000 | 270891.2 | 65453.5 | 40212.2 | U/P |
| 15.950 | 0.7621 | 0.0000 | 93.636 | 1.91607 | 0.00000 | 270914.0 | 65511.0 | 40212.2 | U/P |
| 15.958 | 0.7620 | 0.0000 | 93.635 | 1.91583 | 0.00000 | 270936.9 | 65568.4 | 40212.2 | U/P |
| 15.967 | 0.7619 | 0.0000 | 93.634 | 1.91560 | 0.00000 | 270959.8 | 65625.9 | 40212.2 | U/P |
| 15.975 | 0.7618 | 0.0000 | 93.633 | 1.91537 | 0.00000 | 270982.6 | 65683.4 | 40212.2 | U/P |
| 15.983 | 0.7618 | 0.0000 | 93.632 | 1.91514 | 0.00000 | 271005.4 | 65740.8 | 40212.2 | U/P |
| 15.992 | 0.7617 | 0.0000 | 93.631 | 1.91491 | 0.00000 | 271028.3 | 65798.3 | 40212.2 | U/P |
| 16.000 | 0.7617 | 0.0000 | 93.630 | 1.91468 | 0.00000 | 271051.2 | 65855.7 | 40212.2 | U/P |
| 16.008 | 0.7616 | 0.0000 | 93.629 | 1.91445 | 0.00000 | 271074.0 | 65913.2 | 40212.2 | U/P |
| 16.017 | 0.7614 | 0.0000 | 93.628 | 1.91422 | 0.00000 | 271096.8 | 65970.6 | 40212.2 | U/P |
| 16.025 | 0.7608 | 0.0000 | 93.627 | 1.91399 | 0.00000 | 271119.7 | 66028.0 | 40212.2 | U/P |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: Pond $4100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ttday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Inflitration Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 16.033 | 0.7597 | 0.0000 | 93.626 | 1.91375 | 0.00000 | 271142.5 | 66085.4 | 40212.2 | U/P |
| 16.042 | 0.7580 | 0.0000 | 93.625 | 1.91352 | 0.00000 | 271165.3 | 66142.8 | 40212.2 | U/P |
| 16.050 | 0.7556 | 0.0000 | 93.624 | 1.91329 | 0.00000 | 271188.0 | 66200.2 | 40212.2 | U/P |
| 16.058 | 0.7522 | 0.0000 | 93.623 | 1.91306 | 0.00000 | 271210.6 | 66257.6 | 40212.2 | U/P |
| 16.067 | 0.7477 | 0.0000 | 93.622 | 1.91283 | 0.00000 | 271233.1 | 66315.0 | 40212.2 | U/P |
| 16.075 | 0.7420 | 0.0000 | 93.620 | 1.91259 | 0.00000 | 271255.4 | 66372.4 | 40212.2 | U/P |
| 16.083 | 0.7353 | 0.0000 | 93.619 | 1.91236 | 0.00000 | 271277.6 | 66429.8 | 40212.2 | U/P |
| 16.092 | 0.7278 | 0.0000 | 93.618 | 1.91212 | 0.00000 | 271299.5 | 66487.2 | 40212.2 | U/P |
| 16.100 | 0.7197 | 0.0000 | 93.617 | 1.91188 | 0.00000 | 271321.3 | 66544.5 | 40212.2 | U/P |
| 16.108 | 0.7113 | 0.0000 | 93.616 | 1.91164 | 0.00000 | 271342.7 | 66601.9 | 40212.2 | U/P |
| 16.117 | 0.7027 | 0.0000 | 93.615 | 1.91140 | 0.00000 | 271363.9 | 66659.2 | 40212.2 | U/P |
| 16.125 | 0.6942 | 0.0000 | 93.614 | 1.91116 | 0.00000 | 271384.9 | 66716.6 | 40212.2 | U/P |
| 16.133 | 0.6859 | 0.0000 | 93.613 | 1.91092 | 0.00000 | 271405.6 | 66773.9 | 40212.2 | U/P |
| 16.142 | 0.6780 | 0.0000 | 93.612 | 1.91067 | 0.00000 | 271426.0 | 66831.2 | 40212.2 | U/P |
| 16.150 | 0.6705 | 0.0000 | 93.611 | 1.91042 | 0.00000 | 271446.3 | 66888.5 | 40212.2 | U/P |
| 16.158 | 0.6635 | 0.0000 | 93.609 | 1.91017 | 0.00000 | 271466.3 | 66945.8 | 40212.2 | U/P |
| 16.167 | 0.6570 | 0.0000 | 93.608 | 1.90992 | 0.00000 | 271486.1 | 67003.1 | 40212.2 | U/P |
| 16.175 | 0.6513 | 0.0000 | 93.607 | 1.90967 | 0.00000 | 271505.7 | 67060.4 | 40212.2 | U/P |
| 16.183 | 0.6462 | 0.0000 | 93.606 | 1.90942 | 0.00000 | 271525.2 | 67117.7 | 40212.2 | U/P |
| 16.192 | 0.6419 | 0.0000 | 93.605 | 1.90916 | 0.00000 | 271544.5 | 67175.0 | 40212.2 | U/P |
| 16.200 | 0.6381 | 0.0000 | 93.604 | 1.90891 | 0.00000 | 271563.7 | 67232.3 | 40212.2 | U/P |
| 16.208 | 0.6348 | 0.0000 | 93.603 | 1.90865 | 0.00000 | 271582.8 | 67289.5 | 40212.2 | U/P |
| 16.217 | 0.6319 | 0.0000 | 93.601 | 1.90840 | 0.00000 | 271601.8 | 67346.8 | 40212.2 | U/P |
| 16.225 | 0.6293 | 0.0000 | 93.600 | 1.90814 | 0.00000 | 271620.7 | 67404.0 | 40212.2 | U/P |
| 16.233 | 0.6270 | 0.0000 | 93.599 | 1.90788 | 0.00000 | 271639.5 | 67461.3 | 40212.2 | U/P |
| 16.242 | 0.6249 | 0.0000 | 93.598 | 1.90763 | 0.00000 | 271658.3 | 67518.5 | 40212.2 | U/P |
| 16.250 | 0.6230 | 0.0000 | 93.597 | 1.90737 | 0.00000 | 271677.0 | 67575.7 | 40212.2 | U/P |
| 16.258 | 0.6214 | 0.0000 | 93.596 | 1.90711 | 0.00000 | 271695.7 | 67632.9 | 40212.2 | U/P |
| 16.267 | 0.6200 | 0.0000 | 93.594 | 1.90685 | 0.00000 | 271714.3 | 67690.2 | 40212.2 | U/P |
| 16.275 | 0.6187 | 0.0000 | 93.593 | 1.90659 | 0.00000 | 271732.9 | 67747.4 | 40212.2 | U/P |
| 16.283 | 0.6176 | 0.0000 | 93.592 | 1.90633 | 0.00000 | 271751.4 | 67804.6 | 40212.2 | U/P |
| 16.292 | 0.6166 | 0.0000 | 93.591 | 1.90607 | 0.00000 | 271770.0 | 67861.7 | 40212.2 | U/P |
| 16.300 | 0.6157 | 0.0000 | 93.590 | 1.90582 | 0.00000 | 271788.4 | 67918.9 | 40212.2 | U/P |
| 16.308 | 0.6149 | 0.0000 | 93.589 | 1.90556 | 0.00000 | 271806.9 | 67976.1 | 40212.2 | U/P |
| 16.317 | 0.6142 | 0.0000 | 93.587 | 1.90530 | 0.00000 | 271825.3 | 68033.2 | 40212.2 | U/P |
| 16.325 | 0.6136 | 0.0000 | 93.586 | 1.90504 | 0.00000 | 271843.8 | 68090.4 | 40212.2 | U/P |
| 16.333 | 0.6131 | 0.0000 | 93.585 | 1.90478 | 0.00000 | 271862.2 | 68147.6 | 40212.2 | U/P |
| 16.342 | 0.6126 | 0.0000 | 93.584 | 1.90452 | 0.00000 | 271880.5 | 68204.7 | 40212.2 | U/P |
| 16.350 | 0.6122 | 0.0000 | 93.583 | 1.90425 | 0.00000 | 271898.9 | 68261.8 | 40212.2 | U/P |
| 16.358 | 0.6118 | 0.0000 | 93.582 | 1.90399 | 0.00000 | 271917.3 | 68318.9 | 40212.2 | U/P |
| 16.367 | 0.6115 | 0.0000 | 93.580 | 1.90373 | 0.00000 | 271935.6 | 68376.1 | 40212.2 | U/P |
| 16.375 | 0.6112 | 0.0000 | 93.579 | 1.90347 | 0.00000 | 271954.0 | 68433.2 | 40212.2 | U/P |
| 16.383 | 0.6110 | 0.0000 | 93.578 | 1.90321 | 0.00000 | 271972.3 | 68490.3 | 40212.2 | U/P |
| 16.392 | 0.6107 | 0.0000 | 93.577 | 1.90295 | 0.00000 | 271990.6 | 68547.4 | 40212.2 | U/P |
| 16.400 | 0.6105 | 0.0000 | 93.576 | 1.90269 | 0.00000 | 272008.9 | 68604.4 | 40212.2 | U/P |
| 16.408 | 0.6103 | 0.0000 | 93.574 | 1.90243 | 0.00000 | 272027.3 | 68661.5 | 40212.2 | U/P |
| 16.417 | 0.6102 | 0.0000 | 93.573 | 1.90217 | 0.00000 | 272045.6 | 68718.6 | 40212.2 | U/P |
| 16.425 | 0.6100 | 0.0000 | 93.572 | 1.90191 | 0.00000 | 272063.9 | 68775.7 | 40212.2 | U/P |
| 16.433 | 0.6099 | 0.0000 | 93.571 | 1.90165 | 0.00000 | 272082.2 | 68832.7 | 40212.2 | U/P |
| 16.442 | 0.6098 | 0.0000 | 93.570 | 1.90139 | 0.00000 | 272100.5 | 68889.7 | 40212.2 | U/P |
| 16.450 | 0.6097 | 0.0000 | 93.569 | 1.90113 | 0.00000 | 272118.8 | 68946.8 | 40212.2 | U/P |
| 16.458 | 0.6096 | 0.0000 | 93.567 | 1.90087 | 0.00000 | 272137.1 | 69003.8 | 40212.2 | U/P |
| 16.467 | 0.6095 | 0.0000 | 93.566 | 1.90061 | 0.00000 | 272155.3 | 69060.8 | 40212.2 | U/P |
| 16.475 | 0.6095 | 0.0000 | 93.565 | 1.90035 | 0.00000 | 272173.6 | 69117.9 | 40212.2 | U/P |
| 16.483 | 0.6094 | 0.0000 | 93.564 | 1.90009 | 0.00000 | 272191.9 | 69174.9 | 40212.2 | U/P |
| 16.492 | 0.6093 | 0.0000 | 93.563 | 1.89983 | 0.00000 | 272210.2 | 69231.9 | 40212.2 | U/P |
| 16.500 | 0.6093 | 0.0000 | 93.561 | 1.89956 | 0.00000 | 272228.5 | 69288.8 | 40212.2 | U/P |
| 16.508 | 0.6093 | 0.0000 | 93.560 | 1.89930 | 0.00000 | 272246.8 | 69345.8 | 40212.2 | U/P |
| 16.517 | 0.6094 | 0.0000 | 93.559 | 1.89904 | 0.00000 | 272265.0 | 69402.8 | 40212.2 | U/P |
| 16.525 | 0.6098 | 0.0000 | 93.558 | 1.89878 | 0.00000 | 272283.3 | 69459.8 | 40212.2 | U/P |
| 16.533 | 0.6108 | 0.0000 | 93.557 | 1.89852 | 0.00000 | 272301.6 | 69516.7 | 40212.2 | U/P |
| 16.542 | 0.6125 | 0.0000 | 93.556 | 1.89826 | 0.00000 | 272320.0 | 63573.7 | 40212.2 | U/P |
| 16.550 | 0.6151 | 0.0000 | 93.554 | 1.89800 | 0.00000 | 272338.4 | 68630.6 | 40212.2 | U/P |
| 16.558 | 0.6187 | 0.0000 | 93.553 | 1.89774 | 0.00000 | 272356.9 | 69687.6 | 40212.2 | U/P |
| 16.567 | 0.6237 | 0.0000 | 93.552 | 1.89748 | 0.00000 | 272375.5 | 69744.5 | 40212.2 | U/P |
| 16.575 | 0.6301 | 0.0000 | 93.551 | 1.89723 | 0.00000 | 272394.3 | 69801.4 | 40212.2 | U/P |
| 16.583 | 0.6378 | 0.0000 | 93.550 | 1.89697 | 0.00000 | 272413.3 | 69858.3 | 40212.2 | U/P |
| 16.592 | 0.6467 | 0.0000 | 93.549 | 1.89672 | 0.00000 | 272432.6 | 69915.2 | 40212.2 | U/P |
| 16.600 | 0.6565 | 0.0000 | 93.547 | 1.89646 | 0.00000 | 272452.2 | 69972.1 | 40212.2 | U/P |
| 16.608 | 0.6669 | 0.0000 | 93.546 | 1.89621 | 0.00000 | 272472.0 | 70029.0 | 40212.2 | U/P |
| 16.617 | 0.6775 | 0.0000 | 93.545 | 1.89596 | 0.00000 | 272492.2 | 70085.9 | 40212.2 | U/P |
| 16.625 | 0.6882 | 0.0000 | 93.544 | 1.89572 | 0.00000 | 272512.7 | 70142.8 | 40212.2 | U/P |
| 16.633 | 0.6987 | 0.0000 | 93.543 | 1.89547 | 0.00000 | 272533.5 | 70199.6 | 40212.2 | U/P |
| 16.642 | 0.7088 | 0.0000 | 93.542 | 1.89523 | 0.00000 | 272554.6 | 70256.5 | 40212.2 | U/P |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: Pond $4100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{3} / \mathrm{s}$ ) | Outside Recharge (fuday) | Stage Elevation (fl datum) | infiltration Rate (ft ${ }^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative innlow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 16.650 | 0.7185 | 0.0000 | 93.541 | 1.89499 | 0.00000 | 272576.0 | 70313.4 | 40212.2 | U/P |
| 16.658 | 0.7275 | 0.0000 | 93.540 | 1.89475 | 0.00000 | 272597.7 | 70370.2 | 40212.2 | U/P |
| 16.667 | 0.7359 | 0.0000 | 93.539 | 1.89452 | 0.00000 | 272619.6 | 70427.0 | 40212.2 | U/P |
| 16.675 | 0.7435 | 0.0000 | 93.538 | 1.89428 | 0.00000 | 272641.8 | 70483.9 | 40212.2 | U/P |
| 16.683 | 0.7502 | 0.0000 | 93.537 | 1.89405 | 0.00000 | 272664.2 | 70540.7 | 40212.2 | U/P |
| 16.692 | 0.7561 | 0.0000 | 93.536 | 1.89382 | 0.00000 | 272686.8 | 70597.5 | 40212.2 | U/P |
| 16.700 | 0.7611 | 0.0000 | 93.534 | 1.89358 | 0.00000 | 272709.6 | 70654.3 | 40212.2 | U/P |
| 16.708 | 0.7655 | 0.0000 | 93.533 | 1.89336 | 0.00000 | 272732.5 | 70711.1 | 40212.2 | U/P |
| 16.717 | 0.7694 | 0.0000 | 93.532 | 1.89313 | 0.00000 | 272755.5 | 70767.9 | 40212.2 | U/P |
| 16.725 | 0.7729 | 0.0000 | 93.531 | 1.89290 | 0.00000 | 272778.7 | 70824.7 | 40212.2 | U/P |
| 16.733 | 0.7759 | 0.0000 | 93.530 | 1.89267 | 0.00000 | 272801.9 | 70881.5 | 40212.2 | U/P |
| 16.742 | 0.7787 | 0.0000 | 93.529 | 1.89245 | 0.00000 | 272825.2 | 70938.3 | 40212.2 | U/P |
| 16.750 | 0.7811 | 0.0000 | 93.528 | 1.89222 | 0.00000 | 272848.6 | 70995.1 | 40212.2 | U/P |
| 16.758 | 0.7833 | 0.0000 | 93.527 | 1.89199 | 0.00000 | 272872.1 | 71051.8 | 40212.2 | U/P |
| 16.767 | 0.7852 | 0.0000 | 93.526 | 1.89177 | 0.00000 | 272895.6 | 71108.6 | 40212.2 | U/P |
| 16.775 | 0.7869 | 0.0000 | 93.525 | 1.89154 | 0.00000 | 272919.2 | 71165.3 | 40212.2 | U/P |
| 16.783 | 0.7884 | 0.0000 | 93.524 | 1.89132 | 0.00000 | 272942.8 | 71222.1 | 40212.2 | U/P |
| 16.792 | 0.7897 | 0.0000 | 93.523 | 1.89110 | 0.00000 | 272966.5 | 71278.8 | 40212.2 | U/P |
| 16.800 | 0.7909 | 0.0000 | 93.522 | 1.89087 | 0.00000 | 272990.2 | 71335.5 | 40212.2 | U/P |
| 16.808 | 0.7919 | 0.0000 | 93.521 | 1.89065 | 0.00000 | 273013.9 | 71392.3 | 40212.2 | U/P |
| 16.817 | 0.7928 | 0.0000 | 93.520 | 1.89043 | 0.00000 | 273037.7 | 71449.0 | 40212.2 | U/P |
| 16.825 | 0.7936 | 0.0000 | 93.519 | 1.89020 | 0.00000 | 273061.5 | 71505.7 | 40212.2 | U/P |
| 16.833 | 0.7943 | 0.0000 | 93.518 | 1.88998 | 0.00000 | 273085.3 | 71562.4 | 40212.2 | U/P |
| 16.842 | 0.7950 | 0.0000 | 93.517 | 1.88976 | 0.00000 | 273109.2 | 71619.1 | 40212.2 | U/P |
| 16.850 | 0.7955 | 0.0000 | 93.516 | 1.88954 | 0.00000 | 273133.0 | 71675.8 | 40212.2 | U/P |
| 16.858 | 0.7960 | 0.0000 | 93.515 | 1.88932 | 0.00000 | 273156.9 | 71732.5 | 40212.2 | U/P |
| 16.867 | 0.7964 | 0.0000 | 93.514 | 1.88909 | 0.00000 | 273180.8 | 71789.1 | 40212.2 | U/P |
| 16.875 | 0.7968 | 0.0000 | 93.513 | 1.88887 | 0.00000 | 273204.7 | 71845.8 | 40212.2 | U/P |
| 16.883 | 0.7972 | 0.0000 | 93.512 | 1.88865 | 0.00000 | 273228.6 | 71902.5 | 40212.2 | U/P |
| 16.892 | 0.7975 | 0.0000 | 93.511 | 1.88843 | 0.00000 | 273252.5 | 71959.1 | 40212.2 | U/P |
| 16.900 | 0.7978 | 0.0000 | 93.510 | 1.88821 | 0.00000 | 273276.4 | 72015.8 | 40212.2 | U/P |
| 16.908 | 0.7980 | 0.0000 | 93.509 | 1.88798 | 0.00000 | 273300.3 | 72072.4 | 40212.2 | U/P |
| 16.917 | 0.7982 | 0.0000 | 93.508 | 1.88776 | 0.00000 | 273324.3 | 72129.0 | 40212.2 | U/P |
| 16.925 | 0.7984 | 0.0000 | 93.507 | 1.88754 | 0.00000 | 273348.3 | 72185.7 | 40212.2 | U/P |
| 16.933 | 0.7986 | 0.0000 | 93.506 | 1.88732 | 0.00000 | 273372.2 | 72242.3 | 40212.2 | U/P |
| 16.942 | 0.7987 | 0.0000 | 93.505 | 1.88710 | 0.00000 | 273396.2 | 72298.9 | 40212.2 | U/P |
| 16.950 | 0.7988 | 0.0000 | 93.504 | 1.88688 | 0.00000 | 273420.1 | 72355.5 | 40212.2 | U/P |
| 16.958 | 0.7989 | 0.0000 | 93.503 | 1.88666 | 0.00000 | 273444.1 | 72412.1 | 40212.2 | U/P |
| 16.967 | 0.7991 | 0.0000 | 93.502 | 1.88643 | 0.00000 | 273468.1 | 72468.7 | 40212.2 | U/P |
| 16.975 | 0.7991 | 0.0000 | 93.501 | 1.88621 | 0.00000 | 273492.0 | 72525.3 | 40212.2 | U/P |
| 16.983 | 0.7992 | 0.0000 | 93.500 | 1.88599 | 0.00000 | 273516.0 | 72581.9 | 40212.2 | U/P |
| 16.992 | 0.7993 | 0.0000 | 93.499 | 1.88577 | 0.00000 | 273540.0 | 72638.5 | 40212.2 | U/P |
| 17.000 | 0.7995 | 0.0000 | 93.498 | 1.88555 | 0.00000 | 273564.0 | 72695.0 | 40212.2 | U/P |
| 17.008 | 0.8000 | 0.0000 | 93.497 | 1.88533 | 0.00000 | 273588.0 | 72751.6 | 40212.2 | U/P |
| 17.017 | 0.8008 | 0.0000 | 93.496 | 1.88511 | 0.00000 | 273612.0 | 72808.2 | 40212.2 | U/P |
| 17.025 | 0.8020 | 0.0000 | 93.495 | 1.88489 | 0.00000 | 273636.0 | 72864.7 | 40212.2 | U/P |
| 17.033 | 0.8039 | 0.0000 | 93.494 | 1.88467 | 0.00000 | 273660.1 | 72921.3 | 40212.2 | U/P |
| 17.042 | 0.8064 | 0.0000 | 93.493 | 1.88445 | 0.00000 | 273684.3 | 72977.8 | 40212.2 | U/P |
| 17.050 | 0.8097 | 0.0000 | 93.492 | 1.88423 | 0.00000 | 273708.5 | 73034.3 | 40212.2 | U/P |
| 17.058 | 0.8139 | 0.0000 | 93.491 | 1.88401 | 0.00000 | 273732.8 | 73090.8 | 40212.2 | U/P |
| 17.067 | 0.8188 | 0.0000 | 93.490 | 1.88379 | 0.00000 | 273757.3 | 73147.4 | 40212.2 | U/P |
| 17.075 | 0.8244 | 0.0000 | 93.489 | 1.88357 | 0.00000 | 273782.0 | 73203.9 | 40212.2 | U/P |
| 17.083 | 0.8305 | 0.0000 | 93.488 | 1.88336 | 0.00000 | 273806.8 | 73260.4 | 40212.2 | U/P |
| 17.092 | 0.8368 | 0.0000 | 93.487 | 1.88314 | 0.00000 | 273831.8 | 73316.9 | 40212.2 | U/P |
| 17.100 | 0.8432 | 0.0000 | 93.486 | 1.88293 | 0.00000 | 273857.0 | 73373.4 | 40212.2 | U/P |
| 17.108 | 0.8496 | 0.0000 | 93.485 | 1.88272 | 0.00000 | 273882.4 | 73429.8 | 40212.2 | U/P |
| 17.117 | 0.8559 | 0.0000 | 93.484 | 1.88251 | 0.00000 | 273908.0 | 73486.3 | 40212.2 | U/P |
| 17.125 | 0.8619 | 0.0000 | 93.483 | 1.88230 | 0.00000 | 273933.8 | 73542.8 | 40212.2 | U/P |
| 17.133 | 0.8675 | 0.0000 | 93.483 | 1.88209 | 0.00000 | 273959.7 | 73599.3 | 40212.2 | U/P |
| 17.142 | 0.8728 | 0.0000 | 93.482 | 1.88188 | 0.00000 | 273985.8 | 73655.7 | 40212.2 | U/P |
| 17.150 | 0.8776 | 0.0000 | 93.481 | 1.88168 | 0.00000 | 274012.1 | 73712.2 | 40212.2 | U/P |
| 17.158 | 0.8820 | 0.0000 | 93.480 | 1.88147 | 0.00000 | 274038.5 | 73768.6 | 40212.2 | U/P |
| 17.167 | 0.8858 | 0.0000 | 93.479 | 1.88127 | 0.00000 | 274065.0 | 73825.1 | 40212.2 | U/P |
| 17.175 | 0.8891 | 0.0000 | 93.478 | 1.88107 | 0.00000 | 274091.6 | 73881.5 | 40212.2 | U/P |
| 17.183 | 0.8920 | 0.0000 | 93.477 | 1.88086 | 0.00000 | 274118.3 | 73937.9 | 40212.2 | U/P |
| 17.192 | 0.8945 | 0.0000 | 93.476 | 1.88066 | 0.00000 | 274145.1 | 73894.4 | 40212.2 | U/P |
| 17.200 | 0.8967 | 0.0000 | 93.475 | 1.88046 | 0.00000 | 274172.0 | 74050.8 | 40212.2 | U/P |
| 17.208 | 0.8987 | 0.0000 | 93.474 | 1.88026 | 0.00000 | 274198.9 | 74107.2 | 40212.2 | U/P |
| 17.217 | 0.9004 | 0.0000 | 93.473 | 1.88006 | 0.00000 | 274225.9 | 74163.6 | 40212.2 | U/P |
| 17.225 | 0.9020 | 0.0000 | 93.472 | 1.87986 | 0.00000 | 274252.9 | 74220.0 | 40212.2 | U/P |
| 17.233 | 0.9034 | 0.0000 | 93.472 | 1.87966 | 0.00000 | 274280.0 | 74276.4 | 40212.2 | U/P |
| 17.242 | 0.9046 | 0.0000 | 93.471 | 1.87946 | 0.00000 | 274307.2 | 74332.8 | 40212.2 | U/P |
| 17.250 | 0.9057 | 0.0000 | 93.470 | 1.87926 | 0.00000 | 274334.3 | 74389.1 | 40212.2 | U/P |
| 17.258 | 0.9067 | 0.0000 | 93.469 | 1.87906 | 0.00000 | 274361.5 | 74445.5 | 40212.2 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 4100 yr $/ 24$ hr

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (f/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | $\begin{aligned} & \text { Cumulative } \\ & \text { Inflow } \\ & \text { Volume ( } \mathrm{ft}^{3} \text { ) } \end{aligned}$ | Cumulative Intilltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 17.267 | 0.9075 | 0.0000 | 93.468 | 1.87886 | 0.00000 | 274388.7 | 74501.9 | 40212.2 | U/P |
| 17.275 | 0.9083 | 0.0000 | 93.467 | 1.87867 | 0.00000 | 274415.9 | 74558.3 | 40212.2 | U/P |
| 17.283 | 0.9090 | 0.0000 | 93.466 | 1.87847 | 0.00000 | 274443.2 | 74614.6 | 40212.2 | U/P |
| 17.292 | 0.9095 | 0.0000 | 93.465 | 1.87827 | 0.00000 | 274470.5 | 74671.0 | 40212.2 | U/P |
| 17.300 | 0.9101 | 0.0000 | 93.464 | 1.87807 | 0.00000 | 274497.8 | 74727.3 | 40212.2 | U/P |
| 17.308 | 0.9105 | 0.0000 | 93.463 | 1.87787 | 0.00000 | 274525.1 | 74783.6 | 40212.2 | U/P |
| 17.317 | 0.9109 | 0.0000 | 93.463 | 1.87768 | 0.00000 | 274552.4 | 74840.0 | 40212.2 | U/P |
| 17.325 | 0.9113 | 0.0000 | 93.462 | 1.87748 | 0.00000 | 274579.7 | 74896.3 | 40212.2 | U/P |
| 17.333 | 0.9116 | 0.0000 | 93.461 | 1.87728 | 0.00000 | 274607.1 | 74952.6 | 40212.2 | U/P |
| 17.342 | 0.9119 | 0.0000 | 93.460 | 1.87708 | 0.00000 | 274634.4 | 75008.9 | 40212.2 | U/P |
| 17.350 | 0.9121 | 0.0000 | 93.459 | 1.87689 | 0.00000 | 274661.8 | 75065.3 | 40212.2 | U/P |
| 17.358 | 0.9124 | 0.0000 | 93.458 | 1.87669 | 0.00000 | 274689.2 | 75121.6 | 40212.2 | U/P |
| 17.367 | 0.9126 | 0.0000 | 93.457 | 1.87649 | 0.00000 | 274716.5 | 75177.9 | 40212.2 | U/P |
| 17.375 | 0.9127 | 0.0000 | 93.456 | 1.87630 | 0.00000 | 274743.9 | 75234.1 | 40212.2 | U/P |
| 17.383 | 0.9129 | 0.0000 | 93.455 | 1.87610 | 0.00000 | 274771.3 | 75290.4 | 40212.2 | U/P |
| 17.392 | 0.9130 | 0.0000 | 93.455 | 1.87590 | 0.00000 | 274798.7 | 75346.7 | 40212.2 | U/P |
| 17.400 | 0.9131 | 0.0000 | 93.454 | 1.87570 | 0.00000 | 274826.1 | 75403.0 | 40212.2 | U/P |
| 17.408 | 0.9133 | 0.0000 | 93.453 | 1.87551 | 0.00000 | 274853.5 | 75459.3 | 40212.2 | U/P |
| 17.417 | 0.9133 | 0.0000 | 93.452 | 1.87531 | 0.00000 | 274880.9 | 75515.5 | 40212.2 | U/P |
| 17.425 | 0.9134 | 0.0000 | 93.451 | 1.87511 | 0.00000 | 274908.3 | 75571.8 | 40212.2 | U/P |
| 17.433 | 0.9135 | 0.0000 | 93.450 | 1.87492 | 0.00000 | 274935.7 | 75628.0 | 40212.2 | U/P |
| 17.442 | 0.9136 | 0.0000 | 93.449 | 1.87472 | 0.00000 | 274963.1 | 75684.3 | 40212.2 | U/P |
| 17.450 | 0.9136 | 0.0000 | 93.448 | 1.87452 | 0.00000 | 274990.5 | 75740.5 | 40212.2 | U/P |
| 17.458 | 0.9137 | 0.0000 | 93.447 | 1.87433 | 0.00000 | 275017.9 | 75796.7 | 40212.2 | U/P |
| 17.467 | 0.9137 | 0.0000 | 93.447 | 1.87413 | 0.00000 | 275045.3 | 75853.0 | 40212.2 | U/P |
| 17.475 | 0.9138 | 0.0000 | 93.446 | 1.87393 | 0.00000 | 275072.7 | 75909.2 | 40212.2 | U/P |
| 17.483 | 0.9138 | 0.0000 | 93.445 | 1.87374 | 0.00000 | 275100.1 | 75965.4 | 40212.2 | U/P |
| 17.492 | 0.9139 | 0.0000 | 93.444 | 1.87354 | 0.00000 | 275127.6 | 76021.6 | 40212.2 | U/P |
| 17.500 | 0.9138 | 0.0000 | 93.443 | 1.87334 | 0.00000 | 275155.0 | 76077.8 | 40212.2 | U/P |
| 17.508 | 0.9134 | 0.0000 | 93.442 | 1.87315 | 0.00000 | 275182.4 | 76134.0 | 40212.2 | U/P |
| 17.517 | 0.9127 | 0.0000 | 93.441 | 1.87295 | 0.00000 | 275209.8 | 76190.2 | 40212.2 | U/P |
| 17.525 | 0.9114 | 0.0000 | 93.440 | 1.87275 | 0.00000 | 275237.1 | 76246.4 | 40212.2 | U/P |
| 17.533 | 0.9094 | 0.0000 | 93,439 | 1.87256 | 0.00000 | 275264.4 | 76302.6 | 40212.2 | U/P |
| 17.542 | 0.9065 | 0.0000 | 93.439 | 1.87236 | 0.00000 | 275291.7 | 76358.7 | 40212.2 | U/P |
| 17.550 | 0.9027 | 0.0000 | 93.438 | 1.87216 | 0.00000 | 275318.8 | 76414.9 | 40212.2 | U/P |
| 17.558 | 0.8977 | 0.0000 | 93.437 | 1.87196 | 0.00000 | 275345.8 | 76471.1 | 40212.2 | U/P |
| 17.567 | 0.8915 | 0.0000 | 93.436 | 1.87176 | 0.00000 | 275372.7 | 76527.2 | 40212.2 | U/P |
| 17.575 | 0.8845 | 0.0000 | 93.435 | 1.87156 | 0.00000 | 275399.3 | 76583.4 | 40212.2 | U/P |
| 17.583 | 0.8767 | 0.0000 | 93.434 | 1.87136 | 0.00000 | 275425.7 | 76639.5 | 40212.2 | U/P |
| 17.592 | 0.8684 | 0.0000 | 93.433 | 1.87116 | 0.00000 | 275451.8 | 76695.7 | 40212.2 | U/P |
| 17.600 | 0.8599 | 0.0000 | 93.432 | 1.87095 | 0.00000 | 275477.8 | 76751.8 | 40212.2 | U/P |
| 17.608 | 0.8514 | 0.0000 | 93.431 | 1.87074 | 0.00000 | 275503.5 | 76807.9 | 40212.2 | U/P |
| 17.617 | 0.8430 | 0.0000 | 93.430 | 1.87053 | 0.00000 | 275528.9 | 76864.0 | 40212.2 | U/P |
| 17.625 | 0.8348 | 0.0000 | 93.429 | 1.87032 | 0.00000 | 275554.1 | 76920.1 | 40212.2 | U/P |
| 17.633 | 0.8271 | 0.0000 | 93.428 | 1.87011 | 0.00000 | 275579.0 | 76976.3 | 40212.2 | U/P |
| 17.642 | 0.8198 | 0.0000 | 93.427 | 1.86990 | 0.00000 | 275603.7 | 77032.4 | 40212.2 | U/P |
| 17.650 | 0.8130 | 0.0000 | 93.426 | 1.86968 | 0.00000 | 275628.2 | 77088.5 | 40212.2 | U/P |
| 17.658 | 0.8069 | 0.0000 | 93.425 | 1.86946 | 0.00000 | 275652.5 | 77144.5 | 40212.2 | U/P |
| \$7.667 | 0.8014 | 0.0000 | 93.424 | 1.86925 | 0.00000 | 275676.6 | 77200.6 | 40212.2 | U/P |
| 17.675 | 0.7967 | 0.0000 | 93.423 | 1.86903 | 0.00000 | 275700.6 | 77256.7 | 40212.2 | U/P |
| 17.683 | 0.7926 | 0.0000 | 93.422 | 1.86881 | 0.00000 | 275724.4 | 77312.8 | 40212.2 | U/P |
| 17.692 | 0.7891 | 0.0000 | 93.421 | 1.86859 | 0.00000 | 275748.2 | 77368.8 | 40212.2 | U/P |
| 17.700 | 0.7859 | 0.0000 | 93.420 | 1.86836 | 0.00000 | 275771.8 | 77424.9 | 40212.2 | U/P |
| 17.708 | 0.7831 | 0.0000 | 93.419 | 1.86814 | 0.00000 | 275795.3 | 77480.9 | 40212.2 | U/P |
| 17.717 | 0.7807 | 0.0000 | 93.418 | 1.86792 | 0.00000 | 275818.8 | 77537.0 | 40212.2 | U/P |
| 17.725 | 0.7785 | 0.0000 | 93.417 | 1.86770 | 0.00000 | 275842.2 | 77593.0 | 40212.2 | U/P |
| 17.733 | 0.7765 | 0.0000 | 93.416 | 1.86747 | 0.00000 | 275865.5 | 77649.0 | 40212.2 | U/P |
| 17.742 | 0.7747 | 0.0000 | 93.415 | 1.86725 | 0.00000 | 275888.8 | 77705.0 | 40212.2 | U/P |
| 17.750 | 0.7732 | 0.0000 | 93.414 | 1.86702 | 0.00000 | 275912.0 | 77761.1 | 40212.2 | U/P |
| 17.758 | 0.7718 | 0.0000 | 93.413 | 1.86680 | 0.00000 | 275935.1 | 77817.1 | 40212.2 | U/P |
| 17.767 | 0.7706 | 0.0000 | 93.412 | 1.86657 | 0.00000 | 275958.3 | 77873.1 | 40212.2 | U/P |
| 17.775 | 0.7696 | 0.0000 | 93.411 | 1.86635 | 0.00000 | 275981.4 | 77929.1 | 40212.2 | U/P |
| 17.783 | 0.7686 | 0.0000 | 93.410 | 1.86612 | 0.00000 | 276004.4 | 77985.0 | 40212.2 | U/P |
| 17.792 | 0.7678 | 0.0000 | 93.409 | 1.86590 | 0.00000 | 276027.5 | 78041.0 | 40212.2 | U/P |
| 17.800 | 0.7670 | 0.0000 | 93.408 | 1.86567 | 0.00000 | 276050.5 | 78097.0 | 40212.2 | U/P |
| 17.808 | 0.7664 | 0.0000 | 93.407 | 1.86545 | 0.00000 | 276073.5 | 78153.0 | 40212.2 | U/P |
| 17.817 | 0.7658 | 0.0000 | 93.406 | 1.86522 | 0.00000 | 276096.5 | 78208.9 | 40212.2 | U/P |
| 17.825 | 0.7653 | 0.0000 | 93.405 | 1.86499 | 0.00000 | 276119.5 | 78264.9 | 40212.2 | U/P |
| 17.833 | 0.7649 | 0.0000 | 93.404 | 1.86477 | 0.00000 | 276142.4 | 78320.8 | 40212.2 | U/P |
| 17.842 | 0.7645 | 0.0000 | 93.403 | 1.86454 | 0.00000 | 276165.4 | 78376.8 | 40212.2 | U/P |
| 17.850 | 0.7641 | 0.0000 | 93.402 | 1.86431 | 0.00000 | 276188.3 | 78432.7 | 40212.2 | U/P |
| 17.858 | 0.7638 | 0.0000 | 93.401 | 1.86409 | 0.00000 | 276211.2 | 78488.6 | 40212.2 | U/P |
| 17.867 | 0.7635 | 0.0000 | 93.400 | 1.86386 | 0.00000 | 276234.1 | 78544.5 | 40212.2 | U/P |
| 17.875 | 0.7633 | 0.0000 | 93.399 | 1.86363 | 0.00000 | 276257.0 | 78600.5 | 40212.2 | U/P |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: Pond 4100 yr/24 hr

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (fl daium) | Infiltration Rate (ft ${ }^{3 / s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Voiume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 17.883 | 0.7630 | 0.0000 | 93.398 | 1.86341 | 0.00000 | 276279.9 | 78656.4 | 40212.2 | U/P |
| 17.892 | 0.7629 | 0.0000 | 93.397 | 1.86318 | 0.00000 | 276302.8 | 78712.3 | 40212.2 | U/P |
| 17.900 | 0.7627 | 0.0000 | 93.396 | 1.86295 | 0.00000 | 276325.7 | 78768.2 | 40212.2 | U/P |
| 17.908 | 0.7625 | 0.0000 | 93.395 | 1.86273 | 0.00000 | 276348.6 | 78824.0 | 40212.2 | U/P |
| 17.917 | 0.7624 | 0.0000 | 93.394 | 1.86250 | 0.00000 | 276371.4 | 78879.9 | 40212.2 | U/P |
| 17.925 | 0.7623 | 0.0000 | 93.393 | 1.86227 | 0.00000 | 276394.3 | 78935.8 | 40212.2 | U/P |
| 17.933 | 0.7622 | 0.0000 | 93.392 | 1.86205 | 0.00000 | 276417.2 | 78991.7 | 40212.2 | U/P |
| 17.942 | 0.7621 | 0.0000 | 93.391 | 1.86182 | 0.00000 | 276440.0 | 79047.5 | 40212.2 | U/P |
| 17.950 | 0.7620 | 0.0000 | 93.390 | 1.86159 | 0.00000 | 276462.9 | 79103.4 | 40212.2 | U/P |
| 17.958 | 0.7619 | 0.0000 | 93.389 | 1.86137 | 0.00000 | 276485.8 | 79159.2 | 40212.2 | U/P |
| 17.967 | 0.7619 | 0.0000 | 93.388 | 1.86114 | 0.00000 | 276508.6 | 79215.0 | 40212.2 | U/P |
| 17.975 | 0.7618 | 0.0000 | 93.387 | 1.86092 | 0.00000 | 276531.5 | 79270.9 | 40212.2 | U/P |
| 17.983 | 0.7617 | 0.0000 | 93.386 | 1.86069 | 0.00000 | 276554.3 | 79326.7 | 40212.2 | U/P |
| 17.992 | 0.7617 | 0.0000 | 93.385 | 1.86046 | 0.00000 | 276577.2 | 79382.5 | 40212.2 | U/P |
| 18.000 | 0.7616 | 0.0000 | 93.384 | 1.86024 | 0.00000 | 276600.0 | 79438.3 | 40212.2 | U/P |
| 18.008 | 0.7614 | 0.0000 | 93.383 | 1.86001 | 0.00000 | 276622.9 | 79494.1 | 40212.2 | U/P |
| 18.017 | 0.7608 | 0.0000 | 93.382 | 1.85978 | 0.00000 | 276645.7 | 79549.9 | 40212.2 | U/P |
| 18.025 | 0.7598 | 0.0000 | 93.381 | 1.85956 | 0.00000 | 276668.5 | 79605.7 | 40212.2 | U/P |
| 18.033 | 0.7581 | 0.0000 | 93.379 | 1.85933 | 0.00000 | 276691.3 | 79661.5 | 40212.2 | U/P |
| 18.042 | 0.7557 | 0.0000 | 93.378 | 1.85910 | 0.00000 | 276714.0 | 79717.3 | 40212.2 | U/P |
| 18.050 | 0.7524 | 0.0000 | 93.377 | 1.85887 | 0.00000 | 276736.6 | 79773.0 | 40212.2 | U/P |
| 18.058 | 0.7480 | 0.0000 | 93.376 | 1.85864 | 0.00000 | 276759.1 | 79828.8 | 40212.2 | U/P |
| 18.067 | 0.7423 | 0.0000 | 93.375 | 1.85842 | 0.00000 | 276781.5 | 79884.6 | 40212.2 | U/P |
| 18.075 | 0.7356 | 0.0000 | 93.374 | 1.85818 | 0.00000 | 276803.7 | 79940.3 | 40212.2 | U/P |
| 18.083 | 0.7282 | 0.0000 | 93.373 | 1.85795 | 0.00000 | 276825.6 | 79996.1 | 40212.2 | U/P |
| 18.092 | 0.7201 | 0.0000 | 93.372 | 1.85772 | 0.00000 | 276847.3 | 80051.8 | 40212.2 | U/P |
| 18.100 | 0.7116 | 0.0000 | 93.371 | 1.85748 | 0.00000 | 276868.8 | 80107.5 | 40212.2 | U/P |
| 18.108 | 0.7031 | 0.0000 | 93.370 | 1.85725 | 0.00000 | 276890.0 | 80163.2 | 40212.2 | U/P |
| 18.117 | 0.6946 | 0.0000 | 93.369 | 1.85701 | 0.00000 | 276911.0 | 80219.0 | 40212.2 | U/P |
| 18.125 | 0.6862 | 0.0000 | 93.368 | 1.85677 | 0.00000 | 276931.7 | 80274.7 | 40212.2 | U/P |
| 18.133 | 0.6783 | 0.0000 | 93.367 | 1.85653 | 0.00000 | 276952.2 | 80330.4 | 40212.2 | U/P |
| 18.142 | 0.6708 | 0.0000 | 93.366 | 1.85628 | 0.00000 | 276972.4 | 80386.1 | 40212.2 | U/P |
| 18.150 | 0.6637 | 0.0000 | 93.365 | 1.85604 | 0.00000 | 276992.4 | 80441.7 | 40212.2 | U/P |
| 18.158 | 0.6573 | 0.0000 | 93.363 | 1.85579 | 0.00000 | 277012.2 | 80497.4 | 40212.2 | U/P |
| 18.167 | 0.6515 | 0.0000 | 93.362 | 1.85554 | 0.00000 | 277031.9 | 80553.1 | 40212.2 | U/P |
| 18.175 | 0.6464 | 0.0000 | 93.361 | 1.85530 | 0.00000 | 277051.3 | 80608.7 | 40212.2 | U/P |
| 18.183 | 0.6421 | 0.0000 | 93.360 | 1.85505 | 0.00000 | 277070.7 | 80664.4 | 40212.2 | U/P |
| 18.192 | 0.6383 | 0.0000 | 93.359 | 1.85479 | 0.00000 | 277089.9 | 80720.1 | 40212.2 | U/P |
| 18.200 | 0.6349 | 0.0000 | 93.358 | 1.85454 | 0.00000 | 277109.0 | 80775.7 | 40212.2 | U/P |
| 18.208 | 0.6320 | 0.0000 | 93.357 | 1.85429 | 0.00000 | 277128.0 | 80831.3 | 40212.2 | U/P |
| 18.217 | 0.6294 | 0.0000 | 93.355 | 1.85404 | 0.00000 | 277146.9 | 80887.0 | 40212.2 | U/P |
| 18.225 | 0.6271 | 0.0000 | 93.354 | 1.85378 | 0.00000 | 277165.7 | 80942.6 | 40212.2 | U/P |
| 18.233 | 0.6250 | 0.0000 | 93.353 | 1.85353 | 0.00000 | 277184.5 | 80998.2 | 40212.2 | U/P |
| 18.242 | 0.6231 | 0.0000 | 93.352 | 1.85328 | 0.00000 | 277203.2 | 81053.8 | 40212.2 | U/P |
| 18.250 | 0.6215 | 0.0000 | 93.351 | 1.85302 | 0.00000 | 277221.9 | 81109.4 | 40212.2 | U/P |
| 18.258 | 0.6200 | 0.0000 | 93.350 | 1.85277 | 0.00000 | 277240.5 | 81165.0 | 40212.2 | U/P |
| 18.267 | 0.6188 | 0.0000 | 93.349 | 1.85251 | 0.00000 | 277259.1 | 81220.5 | 40212.2 | U/P |
| 18.275 | 0.6176 | 0.0000 | 93.347 | 1.85226 | 0.00000 | 277277.7 | 81276.1 | 40212.2 | U/P |
| 18.283 | 0.6166 | 0.0000 | 93.346 | 1.85200 | 0.00000 | 277296.2 | 81331.7 | 40212.2 | U/P |
| 18.292 | 0.6158 | 0.0000 | 93.345 | 1.85174 | 0.00000 | 277314.7 | 81387.2 | 40212.2 | U/P |
| 18.300 | 0.6150 | 0.0000 | 93.344 | 1.85149 | 0.00000 | 277333.1 | 81442.8 | 40212.2 | U/P |
| 18.308 | 0.6143 | 0.0000 | 93.343 | 1.85123 | 0.00000 | 277351.6 | 81498.3 | 40212.2 | U/P |
| 18.317 | 0.6137 | 0.0000 | 93.342 | 1.85098 | 0.00000 | 277370.0 | 81553.8 | 40212.2 | U/P |
| 18.325 | 0.6131 | 0.0000 | 93.340 | 1.85072 | 0.00000 | 277388.4 | 81609.4 | 40212.2 | U/P |
| 18.333 | 0.6127 | 0.0000 | 93.339 | 1.85046 | 0.00000 | 277406.8 | 81664.9 | 40212.2 | U/P |
| 18.342 | 0.6122 | 0.0000 | 93.338 | 1.85021 | 0.00000 | 277425.1 | 81720.4 | 40212.2 | U/P |
| 18.350 | 0.6119 | 0.0000 | 93.337 | 1.84995 | 0.00000 | 277443.5 | 81775.9 | 40212.2 | U/P |
| 18.358 | 0.6115 | 0.0000 | 93.336 | 1.84969 | 0.00000 | 277461.8 | 81831.4 | 40212.2 | U/P |
| 18.367 | 0.6112 | 0.0000 | 93.335 | 1.84943 | 0.00000 | 277480.2 | 81886.9 | 40212.2 | U/P |
| 18.375 | 0.6110 | 0.0000 | 93.333 | 1.84918 | 0.00000 | 277498.5 | 81942.4 | 40212.2 | U/P |
| 18.383 | 0.6107 | 0.0000 | 93.332 | 1.84892 | 0.00000 | 277516.8 | 81997.8 | 40212.2 | U/P |
| 18.392 | 0.6105 | 0.0000 | 93.331 | 1.84866 | 0.00000 | 277535.2 | 82053.3 | 40212.2 | U/P |
| 18.400 | 0.6104 | 0.0000 | 93.330 | 1.84841 | 0.00000 | 277553.5 | 82108.8 | 40212.2 | U/P |
| 18.408 | 0.6102 | 0.0000 | 93.329 | 1.84815 | 0.00000 | 277571.8 | 82164.2 | 40212.2 | U/P |
| 18.417 | 0.6101 | 0.0000 | 93.328 | 1.84789 | 0.00000 | 277590.1 | 82219.6 | 40212.2 | U/P |
| 18.425 | 0.6099 | 0.0000 | 93.327 | 1.84764 | 0.00000 | 277608.4 | 82275.1 | 40212.2 | U/P |
| 18.433 | 0.6098 | 0.0000 | 93.325 | 1.84738 | 0.00000 | 277626.7 | 82330.5 | 40212.2 | U/P |
| 18.442 | 0.6097 | 0.0000 | 93.324 | 1.84712 | 0.00000 | 277645.0 | 82385.9 | 40212.2 | U/P |
| 18.450 | 0.6096 | 0.0000 | 93.323 | 1.84686 | 0.00000 | 277663.3 | 82441.3 82496.7 | 40212.2 | U/P |
| 18.458 | 0.6096 | 0.0000 | 93.322 | 1.84661 | 0.00000 | 277681.6 | 82496.7 | 40212.2 | U/P |
| 18.467 | 0.6095 | 0.0000 | 93.321 | 1.84635 | 0.00000 | 277699.8 | 82552.1 | 40212.2 | U/P |
| 18.475 | 0.6094 | 0.0000 | 93.320 | 1.84609 | 0.00000 | 277718.1 | 82607.5 | 40212.2 | U/P |
| 18.483 | 0.6094 | 0.0000 | 93.318 | 1.84584 | 0.00000 | 277736.4 | 82662.9 | 40212.2 | U/P |
| 18.492 | 0.6093 | 0.0000 | 93.317 | 1.84558 | 0.00000 | 277754.7 | 82718.3 | 40212.2 | U/P |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: Pond $4100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}{ }^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (fl datum) | Infiltration Rate ( $\mathrm{ft} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{Ht}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{t}^{3}$ ) | Cumufative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 18.500 | 0.6093 | 0.0000 | 93.316 | 1.84532 | 0.00000 | 277773.0 | 82773.6 | 40212.2 | U/P |
| 18.508 | 0.6093 | 0.0000 | 93.315 | 1.84507 | 0.00000 | 277791.3 | 82829.0 | 40212.2 | U/P |
| 18.517 | 0.6097 | 0.0000 | 93.314 | 1.84481 | 0.00000 | 277809.5 | 82884.3 | 40212.2 | U/P |
| 18.525 | 0.6105 | 0.0000 | 93.313 | 1.84455 | 0.00000 | 277827.8 | 82939.7 | 40212.2 | U/P |
| 18.533 | 0.6118 | 0.0000 | 93.311 | 1.84430 | 0.00000 | 277846.2 | 82995.0 | 40212.2 | U/P |
| 18.542 | 0.6138 | 0.0000 | 93.310 | 1.84404 | 0.00000 | 277864.6 | 83050.3 | 40212.2 | U/P |
| 18.550 | 0.6167 | 0.0000 | 93.309 | 1.84378 | 0.00000 | 277883.0 | 83105.6 | 40212.2 | U/P |
| 18.558 | 0.6206 | 0.0000 | 93.308 | 1.84353 | 0.00000 | 277901.6 | 83161.0 | 40212.2 | U/P |
| 18.567 | 0.6257 | 0.0000 | 93.307 | 1.84327 | 0.00000 | 277920.3 | 83216.3 | 40212.2 | U/P |
| 18.575 | 0.6318 | 0.0000 | 93.306 | 1.84302 | 0.00000 | 277939.1 | 83271.6 | 40212.2 | U/P |
| 18.583 | 0.6389 | 0.0000 | 93.304 | 1.84277 | 0.00000 | 277958.2 | 83326.8 | 40212.2 | U/P |
| 18.592 | 0.6467 | 0.0000 | 93.303 | 1.84252 | 0.00000 | 277977.5 | 83382.1 | 40212.2 | U/P |
| 18.600 | 0.6550 | 0.0000 | 93.302 | 1.84227 | 0.00000 | 277997.0 | 83437.4 | 40212.2 | U/P |
| 18.608 | 0.6635 | 0.0000 | 93.301 | 1.84202 | 0.00000 | 278016.8 | 83492.7 | 40212.2 | U/P |
| 18.617 | 0.6720 | 0.0000 | 93.300 | 1.84177 | 0.00000 | 278036.8 | 83547.9 | 40212.2 | U/P |
| 18.625 | 0.6805 | 0.0000 | 93.299 | 1.84153 | 0.00000 | 278057.1 | 83603.2 | 40212.2 | U/P |
| 18.633 | 0.6886 | 0.0000 | 93.298 | 1.84129 | 0.00000 | 278077.6 | 83658.4 | 40212.2 | U/P |
| 18.642 | 0.6963 | 0.0000 | 93.297 | 1.84105 | 0.00000 | 278098.4 | 83713.6 | 40212.2 | U/P |
| 18.650 | 0.7036 | 0.0000 | 93.296 | 1.84081 | 0.00000 | 278119.4 | 83768.9 | 40212.2 | U/P |
| 18.658 | 0.7103 | 0.0000 | 93.295 | 1.84057 | 0.00000 | 278140.6 | 83824.1 | 40212.2 | U/P |
| 18.667 | 0.7164 | 0.0000 | 93.294 | 1.84034 | 0.00000 | 278162.0 | 83879.3 | 40212.2 | U/P |
| 18.675 | 0.7218 | 0.0000 | 93.292 | 1.84010 | 0.00000 | 278183.6 | 83934.5 | 40212.2 | U/P |
| 18.683 | 0.7265 | 0.0000 | 93.291 | 1.83987 | 0.00000 | 278205.3 | 83989.7 | 40212.2 | U/P |
| 18,692 | 0.7306 | 0.0000 | 93.290 | 1.83964 | 0.00000 | 278227.2 | 84044.9 | 40212.2 | U/P |
| 18.700 | 0.7342 | 0.0000 | 93.289 | 1.83941 | 0.00000 | 278249.2 | 84100.1 | 40212.2 | U/P |
| 18.708 | 0.7373 | 0.0000 | 93.288 | 1.83918 | 0.00000 | 278271.2 | 84155.3 | 40212.2 | U/P |
| 18.717 | 0.7401 | 0.0000 | 93.287 | 1.83895 | 0.00000 | 278293.4 | 84210.4 | 40212.2 | U/P |
| 18.725 | 0.7425 | 0.0000 | 93.286 | 1.83872 | 0.00000 | 278315.6 | 84265.6 | 40212.2 | U/P |
| 18.733 | 0.7447 | 0.0000 | 93.285 | 1.83849 | 0.00000 | 278337.9 | 84320.8 | 40212.2 | U/P |
| 18.742 | 0.7467 | 0.0000 | 93.284 | 1.83826 | 0.00000 | 278360.3 | 84375.9 | 40212.2 | U/P |
| 18.750 | 0.7484 | 0.0000 | 93.283 | 1.83803 | 0.00000 | 278382.7 | 84431.1 | 40212.2 | U/P |
| 18.758 | 0.7500 | 0.0000 | 93.282 | 1.83780 | 0.00000 | 278405.2 | 84486.2 | 40212.2 | U/P |
| 18.767 | 0.7513 | 0.0000 | 93.281 | 1.83758 | 0.00000 | 278427.7 | 84541.3 | 40212.2 | U/P |
| 18.775 | 0.7525 | 0.0000 | 93.280 | 1.83735 | 0.00000 | 278450.3 | 84596.5 | 40212.2 | U/P |
| 18.783 | 0.7536 | 0.0000 | 93.279 | 1.83712 | 0.00000 | 278472.9 | 84651.6 | 40212.2 | U/P |
| 18.792 | 0.7545 | 0.0000 | 93.278 | 1.83690 | 0.00000 | 278495.5 | 84706.7 | 40212.2 | U/P |
| 18.800 | 0.7553 | 0.0000 | 93.277 | 1.83667 | 0.00000 | 278518.1 | 84761.8 | 40212.2 | U/P |
| 18.808 | 0.7561 | 0.0000 | 93.276 | 1.83645 | 0.00000 | 278540.8 | 84816.9 | 40212.2 | U/P |
| 18.817 | 0.7567 | 0.0000 | 93.275 | 1.83622 | 0.00000 | 278563.5 | 84872.0 | 40212.2 | U/P |
| 18.825 | 0.7573 | 0.0000 | 93.274 | 1.83599 | 0.00000 | 278586.2 | 84927.1 | 40212.2 | U/P |
| 18.833 | 0.7578 | 0.0000 | 93.273 | 1.83577 | 0.00000 | 278608.9 | 84982.1 | 40212.2 | U/P |
| 18.842 | 0.7583 | 0.0000 | 93.272 | 1.83554 | 0.00000 | 278631.7 | 85037.2 | 40212.2 | U/P |
| 18.850 | 0.7586 | 0.0000 | 93.271 | 1.83532 | 0.00000 | 278654.4 | 85092.3 | 40212.2 | U/P |
| 18.858 | 0.7590 | 0.0000 | 93.270 | 1.83509 | 0.00000 | 278677.2 | 85147.3 | 40212.2 | U/P |
| 18.867 | 0.7593 | 0.0000 | 93.269 | 1.83487 | 0.00000 | 278700.0 | 85202.4 | 40212.2 | U/P |
| 18.875 | 0.7596 | 0.0000 | 93.268 | 1.83464 | 0.00000 | 278722.8 | 85257.4 | 40212.2 | U/P |
| 18.883 | 0.7598 | 0.0000 | 93.267 | 1.83442 | 0.00000 | 278745.5 | 85312.4 | 40212.2 | U/P |
| 18.892 | 0.7601 | 0.0000 | 93.266 | 1.83419 | 0.00000 | 278768.3 | 85367.5 | 40212.2 | U/P |
| 18.900 | 0.7602 | 0.0000 | 93.265 | 1.83397 | 0.00000 | 278791.2 | 85422.5 | 40212.2 | U/P |
| 18.908 | 0.7604 | 0.0000 | 93.264 | 1.83374 | 0.00000 | 278813.9 | 85477.5 | 40212.2 | U/P |
| 18.917 | 0.7606 | 0.0000 | 93.263 | 1.83352 | 0.00000 | 278836.8 | 85532.5 | 40212.2 | U/P |
| 18.925 | 0.7607 | 0.0000 | 93.262 | 1.83329 | 0.00000 | 278859.6 | 85587.5 | 40212.2 | U/P |
| 18.933 | 0.7608 | 0.0000 | 93.261 | 1.83307 | 0.00000 | 278882.4 | 85642.5 | 40212.2 | U/P |
| 18.942 | 0.7609 | 0.0000 | 93.260 | 1.83285 | 0.00000 | 278905.2 | 85697.5 | 40212.2 | U/P |
| 18.950 | 0.7610 | 0.0000 | 93.259 | 1.83262 | 0.00000 | 278928.1 | 85752.5 | 40212.2 | U/P |
| 18.958 | 0.7611 | 0.0000 | 93.258 | 1.83240 | 0.00000 | 278950.9 | 85807.5 | 40212.2 | U/P |
| 18.967 | 0.7612 | 0.0000 | 93.257 | 1.83217 | 0.00000 | 278973.7 | 85862.4 | 40212.2 | U/P |
| 18.975 | 0.7612 | 0.0000 | 93.256 | 1.83195 | 0.00000 | 278996.6 | 85917.4 | 40212.2 | U/P |
| 18.983 | 0.7613 | 0.0000 | 93.255 | 1.83172 | 0.00000 | 279019.4 | 85972.3 | 40212.2 | U/P |
| 18.992 | 0.7614 | 0.0000 | 93.254 | 1.83150 | 0.00000 | 279042.3 | 86027.3 | 40212.2 | U/P |
| 19.000 | 0.7614 | 0.0000 | 93.253 | \$.83128 | 0.00000 | 279065.1 | 86082.2 | 40212.2 | U/P |
| 19.008 | 0.7614 | 0.0000 | 93.252 | 1.83105 | 0.00000 | 279087.9 | 86137.2 | 40212.2 | U/P |
| 19.017 | 0.7610 | 0.0000 | 93.251 | 1.83083 | 0.00000 | 279110.8 | 86192.1 | 40212.2 | U/P |
| 19.025 | 0.7599 | 0.0000 | 93.250 | 1.83060 | 0.00000 | 279133.6 | 86247.0 | 40212.2 | U/P |
| 19.033 | 0.7578 | 0.0000 | 93.248 | 1.83038 | 0.00000 | 279156.3 | 86301.9 | 40212.2 | U/P |
| 19.042 | 0.7545 | 0.0000 | 93.247 | 1.83015 | 0.00000 | 279179.0 | 86356.8 | 40212.2 | U/P |
| 19.050 | 0.7497 | 0.0000 | 93.246 | 1.82993 | 0.00000 | 279201.6 | 86411.7 | 40212.2 | U/P |
| 19.058 | 0.7429 | 0.0000 | 93.245 | 1.82970 | 0.00000 | 279224.0 | 86466.6 | 40212.2 | U/P |
| 19.067 | 0.7339 | 0.0000 | 93.244 | 1.82947 | 0.00000 | 279246.1 | 86521.5 | 40212.2 | U/P |
| 19.075 | 0.7226 | 0.0000 | 93.243 | 1.82924 | 0.00000 | 279268.0 | 86576.4 | 40212.2 | U/P |
| 19.083 | 0.7092 | 0.0000 | 93.242 | 1.82901 | 0.00000 | 279289.5 | 86631.3 | 40212.2 | U/P |
| 19.092 | 0.6942 | 0.0000 | 93.241 | 1.82878 | 0.00000 | 279310.5 | 86686.1 | 40212.2 | U/P |
| 19.100 | 0.6780 | 0.0000 | 93.240 | 1.82854 | 0.00000 | 279331.1 | 86741.0 | 40212.2 | U/P |
| 19.108 | 0.6610 | 0.0000 | 93.239 | 1.82830 | 0.00000 | 279351.2 | 86795.9 | 40212.2 | U/P |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: Pond 4100 yr/24 hr

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3 /} / \mathrm{s}$ ) | Outside <br> Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3 / 3} \mathrm{~s}$ ) | Overlow Discharge (fits) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 19.117 | 0.6440 | 0.0000 | 93.238 | 1.82805 | 0.00000 | 279370.8 | 86850.7 | 40212.2 | U/P |
| 19.125 | 0.6270 | 0.0000 | 93.237 | 1.82780 | 0.00000 | 279389.8 | 86905.5 | 40212.2 | U/P |
| 19.133 | 0.6103 | 0.0000 | 93.236 | 1.82755 | 0.00000 | 279408.4 | 86960.4 | 40212.2 | U/P |
| 19.142 | 0.5945 | 0.0000 | 93.234 | 1.82730 | 0.00000 | 279426.4 | 87015.2 | 40212.2 | U/P |
| 19.150 | 0.5795 | 0.0000 | 93.233 | 1.82704 | 0.00000 | 279444.1 | 87070.0 | 40212.2 | U/P |
| 19.158 | 0.5655 | 0.0000 | 93.232 | 1.82677 | 0.00000 | 279461.2 | 87124.8 | 40212.2 | U/P |
| 19.167 | 0.5527 | 0.0000 | 93.231 | 1.82651 | 0.00000 | 279478.0 | 87179.6 | 40212.2 | U/P |
| 19.175 | 0.5411 | 0.0000 | 93.230 | 1.82624 | 0.00000 | 279494.4 | 87234.4 | 40212.2 | U/P |
| 19.183 | 0.5311 | 0.0000 | 93.228 | 1.82597 | 0.00000 | 279510.5 | 87289.2 | 40212.2 | U/P |
| 19.192 | 0.5224 | 0.0000 | 93.227 | 1.82570 | 0.00000 | 279526.3 | 87344.0 | 40212.2 | U/P |
| 19.200 | 0.5149 | 0.0000 | 93.226 | 1.82543 | 0.00000 | 279541.8 | 87398.7 | 40212.2 | U/P |
| 19.208 | 0.5082 | 0.0000 | 93.225 | 1.82515 | 0.00000 | 279557.2 | 87453.5 | 40212.2 | U/P |
| 19.217 | 0.5023 | 0.0000 | 93.223 | 1.82487 | 0.00000 | 279572.3 | 87508.2 | 40212.2 | U/P |
| 19.225 | 0.4972 | 0.0000 | 93.222 | 1.82460 | 0.00000 | 279587.3 | 87563.0 | 40212.2 | U/P |
| 19.233 | 0.4925 | 0.0000 | 93.221 | 1.82432 | 0.00000 | 279602.2 | 87617.7 | 40212.2 | U/P |
| 19.242 | 0.4884 | 0.0000 | 93.220 | 1.82404 | 0.00000 | 279616.9 | 87672.4 | 40212.2 | U/P |
| 19.250 | 0.4847 | 0.0000 | 93.218 | 1.82376 | 0.00000 | 279631.5 | 87727.2 | 40212.2 | U/P |
| 19.258 | 0.4814 | 0.0000 | 93.217 | 1.82347 | 0.00000 | 279646.0 | 87781.9 | 40212.2 | U/P |
| 19.267 | 0.4786 | 0.0000 | 93.216 | 1.82319 | 0.00000 | 279660.4 | 87836.6 | 40212.2 | U/P |
| 19.275 | 0.4761 | 0.0000 | 93.215 | 1.82291 | 0.00000 | 279674.7 | 87891.3 | 40212.2 | U/P |
| 19.283 | 0.4738 | 0.0000 | 93.213 | 1.82263 | 0.00000 | 279689.0 | 87945.9 | 40212.2 | U/P |
| 19.292 | 0.4718 | 0.0000 | 93.212 | 1.82234 | 0.00000 | 279703.2 | 88000.6 | 40212.2 | U/P |
| 19.300 | 0.4701 | 0.0000 | 93.211 | 1.82206 | 0.00000 | 279717.3 | 88055.3 | 40212.2 | U/P |
| 19.308 | 0.4685 | 0.0000 | 93.209 | 1.82177 | 0.00000 | 279731.3 | 88109.9 | 40212.2 | U/P |
| 19.317 | 0.4671 | 0.0000 | 93.208 | 1.82149 | 0.00000 | 279745.4 | 88164.6 | 40212.2 | U/P |
| 19.325 | 0.4659 | 0.0000 | 93.207 | 1.82120 | 0.00000 | 279759.4 | 88219.2 | 40212.2 | U/P |
| 19.333 | 0.4648 | 0.0000 | 93.206 | 1.82092 | 0.00000 | 279773.3 | 88273.9 | 40212.2 | U/P |
| 19.342 | 0.4639 | 0.0000 | 93.204 | 1.82063 | 0.00000 | 279787.3 | 88328.5 | 40212.2 | U/P |
| 19.350 | 0.4631 | 0.0000 | 93.203 | 1.82034 | 0.00000 | 279801.2 | 88383.1 | 40212.2 | U/P |
| 19.358 | 0.4623 | 0.0000 | 93.202 | 1.82006 | 0.00000 | 279815.1 | 88437.7 | 40212.2 | U/P |
| 19.367 | 0.4617 | 0.0000 | 93.200 | 1.81977 | 0.00000 | 279828.9 | 88492.3 | 40212.2 | U/P |
| 19.375 | 0.4611 | 0.0000 | 93.199 | 1.81949 | 0.00000 | 279842.8 | 88546.9 | 40212.2 | U/P |
| 19.383 | 0.4605 | 0.0000 | 93.198 | 1.81920 | 0.00000 | 279856.6 | 88601.5 | 40212.2 | U/P |
| 19.392 | 0.4601 | 0.0000 | 93.196 | 1.81891 | 0.00000 | 279870.4 | 88656.0 | 40212.2 | U/P |
| 19.400 | 0.4597 | 0.0000 | 93.195 | 1.81863 | 0.00000 | 279884.2 | 88710.6 | 40212.2 | U/P |
| 19.408 | 0.4593 | 0.0000 | 93.194 | 1.81834 | 0.00000 | 279898.0 | 88765.2 | 40212.2 | U/P |
| 19.417 | 0.4590 | 0.0000 | 93.193 | 1.81805 | 0.00000 | 279911.8 | 88819.7 | 40212.2 | U/P |
| 19.425 | 0.4587 | 0.0000 | 93.191 | 1.81777 | 0.00000 | 279925.5 | 88874.2 | 40212.2 | U/P |
| 19.433 | 0.4585 | 0.0000 | 93.190 | 1.81748 | 0.00000 | 279939.3 | 88928.8 | 40212.2 | U/P |
| 19.442 | 0.4583 | 0.0000 | 93.189 | 1.81719 | 0.00000 | 279953.0 | 88983.3 | 40212.2 | U/P |
| 19.450 | 0.4581 | 0.0000 | 93.187 | 1.81691 | 0.00000 | 279966.8 | 89037.8 | 40212.2 | U/P |
| 19.458 | 0.4579 | 0.0000 | 93.186 | 1.81662 | 0.00000 | 279980.5 | 89092.3 | 40212.2 | U/P |
| 19.467 | 0.4577 | 0.0000 | 93.185 | 1.81633 | 0.00000 | 279994.3 | 89146.8 | 40212.2 | U/P |
| 19.475 | 0.4576 | 0.0000 | 93.183 | 1.81604 | 0.00000 | 280008.0 | 89201.3 | 40212.2 | U/P |
| 19.483 | 0.4574 | 0.0000 | 93.182 | 1.81576 | 0.00000 | 280021.7 | 89255.8 | 40212.2 | U/P |
| 19.492 | 0.4573 | 0.0000 | 93.181 | 1.81547 | 0.00000 | 280035.4 | 89310.2 | 40212.2 | U/P |
| 19.500 | 0.4572 | 0.0000 | 93.180 | 1.81518 | 0.00000 | 280049.1 | 89364.7 | 40212.2 | U/P |
| 19.508 | 0.4571 | 0.0000 | 93.178 | 1.81490 | 0.00000 | 280062.8 | 89419.1 | 40212.2 | U/P |
| 19.517 | 0.4572 | 0.0000 | 93.177 | 1.81464 | 0.00000 | 280076.6 | 89473.6 | 40212.2 | U/P |
| 19.525 | 0.4576 | 0.0000 | 93.176 | 1.81432 | 0.00000 | 280090.3 | 89528.0 | 40212.2 | U/P |
| 19.533 | 0.4586 | 0.0000 | 93,174 | 1.81403 | 0.00000 | 280104.0 | 89582.5 | 40212.2 | U/P |
| 19.542 | 0.4602 | 0.0000 | 93.173 | 1.81375 | 0.00000 | 280117.8 | 89636.9 | 40212.2 | U/P |
| 19.550 | 0.4626 | 0.0000 | 93.172 | 1.81346 | 0.00000 | 280131.7 | 89691.3 | 40212.2 | U/P |
| 19.558 | 0.4663 | 0.0000 | 93.171 | 1.81318 | 0.00000 | 280145.6 | 89745.7 | 40212.2 | U/P |
| 19.567 | 0.4709 | 0.0000 | 93.169 | 1.81289 | 0.00000 | 280159.7 | 89800.1 | 40212.2 | U/P |
| 19.575 | 0.4770 | 0.0000 | 93.168 | 1.81261 | 0.00000 | 280173.9 | 89854.4 | 40212.2 | U/P |
| 19.583 | 0.4845 | 0.0000 | 93.167 | 1.81232 | 0.00000 | 280188.3 | 89908.8 | 40212.2 | U/P |
| 19.592 | 0.4930 | 0.0000 | 93.165 | 1.81204 | 0.00000 | 280202.9 | 89963.2 | 40212.2 | U/P |
| 19.600 | 0.5024 | 0.0000 | 93.164 | 1.81176 | 0.00000 | 280217.9 | 90017.5 | 40212.2 | U/P |
| 19.608 | 0.5123 | 0.0000 | 93.163 | 1.81149 | 0.00000 | 280233.1 | 90071.9 | 40212.2 | U/P |
| 19.617 | 0.5226 | 0.0000 | 93.162 | 1.81121 | 0.00000 | 280248.6 | 90126.2 | 40212.2 | U/P |
| 19.625 | 0.5328 | 0.0000 | 93.160 | 1.81094 | 0.00000 | 280264.4 | 90180.6 | 40212.2 | U/P |
| 19.633 | 0.5429 | 0.0000 | 93.159 | 1.81067 | 0.00000 | 280280.6 | 90234.9 | 40212.2 | U/P |
| 19.642 | 0.5526 | 0.0000 | 93.158 | 1.81040 | 0.00000 | 280297.0 | 90289.2 | 40212.2 | U/P |
| 19.650 | 0.5619 | 0.0000 | 93.157 | 1.81013 | 0.00000 | 280313.8 | 90343.5 | 40212.2 | U/P |
| 19.658 | 0.5706 | 0.0000 | 93.156 | 1.80987 | 0.00000 | 280330.7 | 90397.8 | 40212.2 | U/P |
| 19.667 | 0.5786 | 0.0000 | 93.154 | 1.80964 | 0.00000 | 280348.0 | 90452.1 | 40212.2 | U/P |
| 19.675 | 0.5859 | 0.0000 | 93.153 | 1.80934 | 0.00000 | 280365.4 | 90506.4 | 40212.2 | U/P |
| 19.683 | 0.5924 | 0.0000 | 93.152 | 1.80908 | 0.00000 | 280383.1 | 90560.7 | 40212.2 | U/P |
| 19.692 | 0.5980 | 0.0000 | 93.151 | 1.80883 | 0.00000 | 280401.0 | 90614.9 | 40212.2 | U/P |
| 19.700 | 0.6028 | 0.0000 | 93.150 | 1.80857 | 0.00000 | 280419.0 | 90669.2 | 40212.2 | U/P |
| 19.708 | 0.6071 | 0.0000 | 93.149 | 1.80831 | 0.00000 | 280437.1 | 90723.5 | 40212.2 | U/P |
| 19.717 | 0.6108 | 0.0000 | 93.147 | 1.80806 | 0.00000 | 280455.4 | 90777.7 | 40212.2 | U/P |
| 19.725 | 0.6141 | 0.0000 | 93.146 | 1.80780 | 0.00000 | 280473.8 | 90831.9 | 40212.2 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $4100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f} 3 / \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{f}{ }^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume $\left(f^{3}\right)$ | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 19.733 | 0.6171 | 0.0000 | 93.145 | 1.80755 | 0.00000 | 280492.2 | 90886.2 | 40212.2 | U/P |
| 19.742 | 0.6197 | 0.0000 | 93.144 | 1.80730 | 0.00000 | 280510.8 | 90940.4 | 40212.2 | U/P |
| 19.750 | 0.6220 | 0.0000 | 93.143 | 1.80705 | 0.00000 | 280529.4 | 90994.6 | 40212.2 | U/P |
| 19.758 | 0.6241 | 0.0000 | 93.142 | 1.80679 | 0.00000 | 280548.1 | 91048.8 | 40212.2 | U/P |
| 19.767 | 0.6259 | 0.0000 | 93.141 | 1.80654 | 0.00000 | 280566.8 | 91103.0 | 40212.2 | U/P |
| 19.775 | 0.6276 | 0.0000 | 93.139 | 1.80629 | 0.00000 | 280585.7 | 91157.2 | 40212.2 | U/P |
| 19.783 | 0.6290 | 0.0000 | 93.138 | 1.80604 | 0.00000 | 280604.5 | 91211.4 | 40212.2 | U/P |
| 19.792 | 0.6302 | 0.0000 | 93.137 | 1.80579 | 0.00000 | 280623.4 | 91265.6 | 40212.2 | U/P |
| 19.800 | 0.6314 | 0.0000 | 93.136 | 1.80554 | 0.00000 | 280642.3 | 91319.7 | 40212.2 | U/P |
| 19.808 | 0.6324 | 0.0000 | 93.135 | 1.80529 | 0.00000 | 280661.3 | 91373.9 | 40212.2 | U/P |
| 19.817 | 0.6332 | 0.0000 | 93.134 | $\uparrow .80504$ | 0.00000 | 280680.3 | 91428.1 | 40212.2 | U/P |
| 19.825 | 0.6340 | 0.0000 | 93.133 | 1.80479 | 0.00000 | 280699.3 | 91482.2 | 40212.2 | U/P |
| 19.833 | 0.6347 | 0.0000 | 93.132 | 1.80455 | 0.00000 | 280718.3 | 91536.3 | 40212.2 | U/P |
| 19.842 | 0.6353 | 0.0000 | 93.130 | 1.80430 | 0.00000 | 280737.3 | 91590.5 | 40212.2 | U/P |
| 19.850 | 0.6358 | 0.0000 | 93.129 | 1.80405 | 0.00000 | 280756.4 | 91644.6 | 40212.2 | U/P |
| 19.858 | 0.6363 | 0.0000 | 93.128 | 1.80380 | 0.00000 | 280775.5 | 91698.7 | 40212.2 | U/P |
| 19.867 | 0.6367 | 0.0000 | 93.127 | 1.80355 | 0.00000 | 280794.6 | 91752.8 | 40212.2 | U/P |
| 19.875 | 0.6371 | 0.0000 | 93.126 | 1.80330 | 0.00000 | 280813.7 | 91806.9 | 40212.2 | U/P |
| 19.883 | 0.6374 | 0.0000 | 93.125 | 1.80305 | 0.00000 | 280832.8 | 91861.0 | 40212.2 | U/P |
| 19.892 | 0.6377 | 0.0000 | 93.124 | 1.80281 | 0.00000 | 280851.9 | 91915.1 | 40212.2 | U/P |
| 19.900 | 0.6380 | 0.0000 | 93.123 | 1.80256 | 0.00000 | 280871.1 | 91969.2 | 40212.2 | U/P |
| 19.908 | 0.6382 | 0.0000 | 93.121 | 1.80231 | 0.00000 | 280890.2 | 92023.3 | 40212.2 | U/P |
| 19.917 | 0.6384 | 0.0000 | 93.120 | 1.80206 | 0.00000 | 280909.4 | 92077.3 | 40212.2 | U/P |
| 19.925 | 0.6386 | 0.0000 | 93.119 | 1.80182 | 0.00000 | 280928.5 | 92131.4 | 40212.2 | U/P |
| 19.933 | 0.6388 | 0.0000 | 93.118 | 1.80157 | 0.00000 | 280947.7 | 92185.4 | 40212.2 | U/P |
| 19.942 | 0.6389 | 0.0000 | 93.117 | 1.80132 | 0.00000 | 280966.8 | 92239.5 | 40212.2 | U/P |
| 19.950 | 0.6390 | 0.0000 | 93.116 | 1.80107 | 0.00000 | 280986.0 | 92293.5 | 40212.2 | U/P |
| 19.958 | 0.6391 | 0.0000 | 93.115 | 1.80082 | 0.00000 | 281005.2 | 92347.5 | 40212.2 | U/P |
| 19.967 | 0.6392 | 0.0000 | 93.114 | 1.80058 | 0.00000 | 281024.4 | 92401.6 | 40212.2 | U/P |
| 19.975 | 0.6393 | 0.0000 | 93.112 | 1.80033 | 0.00000 | 281043.5 | 92455.6 | 40212.2 | U/P |
| 19.983 | 0.6394 | 0.0000 | 93.111 | 1.80008 | 0.00000 | 281062.7 | 92509.6 | 40212.2 | U/P |
| 19.992 | 0.6395 | 0.0000 | 93.110 | 1.79983 | 0.00000 | 281081.9 | 92563.6 | 40212.2 | U/P |
| 20.000 | 0.6391 | 0.0000 | 93.109 | 1.79959 | 0.00000 | 281101.1 | 92617.6 | 40212.2 | U/P |
| 20.008 | 0.6380 | 0.0000 | 93.108 | 1.79934 | 0.00000 | 281120.3 | 92671.6 | 40212.2 | U/P |
| 20.017 | 0.6358 | 0.0000 | 93.107 | 1.79909 | 0.00000 | 281139.3 | 92725.5 | 40212.2 | U/P |
| 20.025 | 0.6323 | 0.0000 | 93.106 | 1.79884 | 0.00000 | 281158.4 | 92779.5 | 40212.2 | U/P |
| 20.033 | 0.6271 | 0.0000 | 93.105 | 1.79859 | 0.00000 | 281177.3 | 92833.5 | 40212.2 | U/P |
| 20.042 | 0.6199 | 0.0000 | 93.103 | 1.79834 | 0.00000 | 281196.0 | 92887.4 | 40212.2 | U/P |
| 20.050 | 0.6103 | 0.0000 | 93.102 | 1.79809 | 0.00000 | 281214.4 | 92941.4 | 40212.2 | U/P |
| 20.058 | 0.5980 | 0.0000 | 93.101 | 1.79784 | 0.00000 | 281232.5 | 92995.3 | 40212.2 | U/P |
| 20.067 | 0.5834 | 0.0000 | 93.100 | 1.79758 | 0.00000 | 281250.3 | 93049.2 | 40212.2 | U/P |
| 20.075 | 0.5670 | 0.0000 | 93.099 | 1.79732 | 0.00000 | 281267.5 | 93103.2 | 40212.2 | U/P |
| 20.083 | 0.5493 | 0.0000 | 93.098 | 1.79706 | 0.00000 | 281284.3 | 93157.1 | 40212.2 | U/P |
| 20.092 | 0.5307 | 0.0000 | 93.096 | 1.79680 | 0.00000 | 281300.5 | 93211.0 | 40212.2 | U/P |
| 20.100 | 0.5119 | 0.0000 | 93.095 | 1.79652 | 0.00000 | 281316.1 | 93264.9 | 40212.2 | U/P |
| 20.108 | 0.4932 | 0.0000 | 93.094 | 1.79625 | 0.00000 | 281331.2 | 93318.8 | 40212.2 | U/P |
| 20.117 | 0.4749 | 0.0000 | 93.093 | 1.79597 | 0.00000 | 281345.7 | 93372.7 | 40212.2 | U/P |
| 20.125 | 0.4573 | 0.0000 | 93.091 | 1.79569 | 0.00000 | 281359.7 | 93426.5 | 40212.2 | U/P |
| 20.133 | 0.4408 | 0.0000 | 93.090 | 1.79540 | 0.00000 | 281373.2 | 93480.4 | 40212.2 | U/P |
| 20.142 | 0.4253 | 0.0000 | 93.089 | 1.79511 | 0.00000 | 281386.2 | 93534.3 | 40212.2 | U/P |
| 20.150 | 0.4111 | 0.0000 | 93.087 | 1.79482 | 0.00000 | 281398.7 | 93588.1 | 40212.2 | U/P |
| 20.158 | 0.3982 | 0.0000 | 93.086 | 1.79453 | 0.00000 | 281410.8 | 93642.0 | 40212.2 | U/P |
| 20.167 | 0.3871 | 0.0000 | 93.085 | 1.79423 | 0.00000 | 281422.6 | 93695.8 | 40212.2 | U/P |
| 20.175 | 0.3774 | 0.0000 | 93.083 | 1.79393 | 0.00000 | 281434.1 | 93749.6 | 40212.2 | U/P |
| 20.183 | 0.3690 | 0.0000 | 93.082 | 1.79362 | 0.00000 | 281445.3 | 93803.4 | 40212.2 | U/P |
| 20.192 | 0.3617 | 0.0000 | 93.081 | 1.79332 | 0.00000 | 281456.3 | 93857.2 | 40212.2 | U/P |
| 20.200 | 0.3551 | 0.0000 | 93.079 | 1.79301 | 0.00000 | 281467.0 | 93911.0 | 40212.2 | U/P |
| 20.208 | 0.3494 | 0.0000 | 93.078 | 1.79270 | 0.00000 | 281477.6 | 93964.8 | 40212.2 | U/P |
| 20.217 | 0.3442 | 0.0000 | 93.076 | 1.79240 | 0.00000 | 281488.0 | 94018.6 | 40212.2 | U/P |
| 20.225 | 0.3396 | 0.0000 | 93.075 | 1.79209 | 0.00000 | 281498.2 | 94072.3 | 40212.2 | U/P |
| 20.233 | 0.3356 | 0.0000 | 93.074 | 1.79178 | 0.00000 | 281508.3 | 94126.1 | 40212.2 | U/P |
| 20.242 | 0.3319 | 0.0000 | 93.072 | 1.79146 | 0.00000 | 281518.4 | 94179.8 | 40212.2 | U/P |
| 20.250 | 0.3287 | 0.0000 | 93.071 | 1.79115 | 0.00000 | 281528.3 | 94233.6 | 40212.2 | U/P |
| 20.258 | 0.3259 | 0.0000 | 93.069 | 1.79084 | 0.00000 | 281538.1 | 94287.3 | 40212.2 | U/P |
| 20.267 | 0.3234 | 0.0000 | 93.068 | 1.79052 | 0.00000 | 281547.8 | 94341.0 | 40212.2 | U/P |
| 20.275 | 0.3212 | 0.0000 | 93.067 | 1.79021 | 0.00000 | 281557.5 | 94394.7 | 40212.2 | U/P |
| 20.283 | 0.3193 | 0.0000 | 93.065 | 1.78989 | 0.00000 | 281567.1 | 94448.5 | 40212.2 | U/P |
| 20.292 | 0.3175 | 0.0000 | 93.064 | 1.78958 | 0.00000 | 281576.7 | 94502.1 | 40212.2 | U/P |
| 20.300 | 0.3160 | 0.0000 | 93.062 | 1.78926 | 0.00000 | 281586.2 | 94555.8 | 40212.2 | U/P |
| 20.308 | 0.3147 | 0.0000 | 93.061 | 1.78895 | 0.00000 | 281595.6 | 94609.5 | 40212.2 | U/P |
| 20.317 | 0.3135 | 0.0000 | 93.059 | 1.78863 | 0.00000 | 281605.1 | 94663.2 | 40212.2 | U/P |
| 20.325 | 0.3124 | 0.0000 | 93.058 | 1.78831 | 0.00000 | 281614.4 | 94716.8 | 40212.2 | U/P |
| 20.333 | 0.3115 | 0.0000 | 93.057 | 1.78800 | 0.00000 | 281623.8 | 94770.5 | 40212.2 | U/P |
| 20.342 | 0.3107 | 0.0000 | 93.055 | 1.78768 | 0.00000 | 281633.1 | 94824.1 | 40212.2 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $4100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiftration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overlow <br> Discharge ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 20.350 | 0.3099 | 0.0000 | 93.054 | 1.78736 | 0.00000 | 281642.4 | 94877.7 | 40212.2 | U/P |
| 20.358 | 0.3093 | 0.0000 | 93.052 | 1.78705 | 0.00000 | 281651.7 | 94931.3 | 40212.2 | U/P |
| 20.367 | 0.3087 | 0.0000 | 93.051 | 1.78673 | 0.00000 | 281661.0 | 94984.9 | 40212.2 | U/P |
| 20.375 | 0.3082 | 0.0000 | 93.049 | 1.78641 | 0.00000 | 281670.3 | 95038.5 | 40212.2 | U/P |
| 20.383 | 0.3077 | 0.0000 | 93.048 | 1.78609 | 0.00000 | 281679.5 | 95092.1 | 40212.2 | U/P |
| 20.392 | 0.3073 | 0.0000 | 93.046 | 1.78578 | 0.00000 | 281688.7 | 95145.7 | 40212.2 | U/P |
| 20.400 | 0.3070 | 0.0000 | 93.045 | 1.78546 | 0.00000 | 281697.9 | 95199.3 | 40212.2 | U/P |
| 20.408 | 0.3067 | 0.0000 | 93.044 | 1.78514 | 0.00000 | 281707.1 | 95252.8 | 40212.2 | U/P |
| 20.417 | 0.3064 | 0.0000 | 93.042 | 1.78482 | 0.00000 | 281716.3 | 95306.4 | 40212.2 | U/P |
| 20.425 | 0.3062 | 0.0000 | 93.041 | 1.78451 | 0.00000 | 281725.5 | 95359.9 | 40212.2 | U/P |
| 20.433 | 0.3059 | 0.0000 | 93.039 | 1.78419 | 0.00000 | 281734.7 | 95413.5 | 40212.2 | U/P |
| 20.442 | 0.3057 | 0.0000 | 93.038 | 1.78387 | 0.00000 | 281743.9 | 95467.0 | 40212.2 | U/P |
| 20.450 | 0.3056 | 0.0000 | 93.036 | 1.78355 | 0.00000 | 281753.0 | 95520.5 | 40212.2 | U/P |
| 20.458 | 0.3054 | 0.0000 | 93.035 | 1.78323 | 0.00000 | 281762.2 | 95574.0 | 40212.2 | U/P |
| 20.467 | 0.3053 | 0.0000 | 93.034 | 1.78292 | 0.00000 | 281771.4 | 95627.5 | 40212.2 | U/P |
| 20.475 | 0.3051 | 0.0000 | 93.032 | 1.78260 | 0.00000 | 281780.5 | 95681.0 | 40212.2 | U/P |
| 20.483 | 0.3050 | 0.0000 | 93.031 | 1.78228 | 0.00000 | 281789.7 | 95734.4 | 40212.2 | U/P |
| 20.492 | 0.3049 | 0.0000 | 93.029 | 1.78196 | 0.00000 | 281798.8 | 95787.9 | 40212.2 | U/P |
| 20.500 | 0.3049 | 0.0000 | 93.028 | 1.78164 | 0.00000 | 281808.0 | 95841.4 | 40212.2 | U/P |
| 20.508 | 0.3052 | 0.0000 | 93.026 | 1.78133 | 0.00000 | 281817.1 | 95894.8 | 40212.2 | U/P |
| 20.517 | 0.3060 | 0.0000 | 93.025 | 1.78101 | 0.00000 | 281826.3 | 95948.2 | 40212.2 | U/P |
| 20.525 | 0.3073 | 0.0000 | 93.023 | 1.78069 | 0.00000 | 281835.5 | 96001.7 | 40212.2 | U/P |
| 20.533 | 0.3092 | 0.0000 | 93.022 | 1.78037 | 0.00000 | 281844.8 | 96055.1 | 40212.2 | U/P |
| 20.542 | 0.3121 | 0.0000 | 93.021 | 1.78006 | 0.00000 | 281854.1 | 96108.5 | 40212.2 | U/P |
| 20.550 | 0.3159 | 0.0000 | 93.019 | 1.77974 | 0.00000 | 281863.5 | 96161.9 | 40212.2 | U/P |
| 20.558 | 0.3209 | 0.0000 | 93.018 | 1.77942 | 0.00000 | 281873.0 | 96215.3 | 40212.2 | U/P |
| 20.567 | 0.3271 | 0.0000 | 93.016 | 1.77914 | 0.00000 | 281882.8 | 96268.6 | 40212.2 | U/P |
| 20.575 | 0.3341 | 0.0000 | 93.015 | 1.77880 | 0.00000 | 281892.7 | 96322.0 | 40212.2 | U/P |
| 20.583 | 0.3419 | 0.0000 | 93.013 | 1.77848 | 0.00000 | 281902.8 | 96375.4 | 40212.2 | U/P |
| 20.592 | 0.3501 | 0.0000 | 93.012 | 1.77817 | 0.00000 | 281913.2 | 96428.7 | 40212.2 | U/P |
| 20.600 | 0.3586 | 0.0000 | 93.011 | 1.77787 | 0.00000 | 281923.8 | 96482.1 | 40212.2 | U/P |
| 20.608 | 0.3671 | 0.0000 | 93.009 | 1.77756 | 0.00000 | 281934.7 | 96535.4 | 40212.2 | U/P |
| 20.617 | 0.3756 | 0.0000 | 93.008 | 1.77726 | 0.00000 | 281945.8 | 96588.7 | 40212.2 | U/P |
| 20.625 | 0.3837 | 0.0000 | 93.007 | 1.77695 | 0.00000 | 281957.3 | 96642.0 | 40212.2 | U/P |
| 20.633 | 0.3914 | 0.0000 | 93.005 | 1.77665 | 0.00000 | 281968.9 | 96695.3 | 40212.2 | U/P |
| 20.642 | 0.3987 | 0.0000 | 93.004 | 1.77635 | 0.00000 | 281980.7 | 96748.6 | 40212.2 | U/P |
| 20.650 | 0.4055 | 0.0000 | 93.003 | 1.77606 | 0.00000 | 281992.8 | 96801.9 | 40212.2 | U/P |
| 20.658 | 0.4116 | 0.0000 | 93.001 | 1.77576 | 0.00000 | 282005.0 | 96855.2 | 40212.2 | U/P |
| 20.667 | 0.4170 | 0.0000 | 93.000 | 1.77546 | 0.00000 | 282017.5 | 96908.5 | 40212.2 | U/P |
| 20.675 | 0.4218 | 0.0000 | 92.999 | 1.77517 | 0.00000 | 282030.1 | 96961.7 | 40212.2 | U/P |
| 20.683 | 0.4258 | 0.0000 | 92.997 | 1.77489 | 0.00000 | 282042.8 | 97015.0 | 40212.2 | U/P |
| 20.692 | 0.4294 | 0.0000 | 92.996 | 1.77460 | 0.00000 | 282055.6 | 97068.2 | 40212.2 | U/P |
| 20.700 | 0.4326 | 0.0000 | 92.995 | 1.77431 | 0.00000 | 282068.5 | 97121.5 | 40212.2 | U/P |
| 20.708 | 0.4353 | 0.0000 | 92.993 | 1.77403 | 0.00000 | 282081.5 | 97174.7 | 40212.2 | U/P |
| 20.717 | 0.4378 | 0.0000 | 92.992 | 1.77374 | 0.00000 | 282094.6 | 97227.9 | 40212.2 | U/P |
| 20.725 | 0.4400 | 0.0000 | 92.991 | 1.77346 | 0.00000 | 282107.8 | 97281.1 | 40212.2 | U/P |
| 20.733 | 0.4420 | 0.0000 | 92.989 | 1.77317 | 0.00000 | 282121.0 | 97334.3 | 40212.2 | U/P |
| 20.742 | 0.4437 | 0.0000 | 92.988 | 1.77289 | 0.00000 | 282134.3 | 97387.5 | 40212.2 | U/P |
| 20.750 | 0.4453 | 0.0000 | 92.987 | 1.77260 | 0.00000 | 282147.7 | 97440.7 | 40212.2 | U/P |
| 20.758 | 0.4466 | 0.0000 | 92.985 | 1.77232 | 0.00000 | 282161.0 | 97493.8 | 40212.2 | U/P |
| 20.767 | 0.4478 | 0.0000 | 92.984 | 1.77204 | 0.00000 | 282174.4 | 97547.0 | 40212.2 | U/P |
| 20.775 | 0.4489 | 0.0000 | 92.983 | 1.77176 | 0.00000 | 282187.9 | 97600.2 | 40212.2 | U/P |
| 20.783 | 0.4498 | 0.0000 | 92.982 | 1.77147 | 0.00000 | 282201.4 | 97653.3 | 40212.2 | U/P |
| 20.792 | 0.4507 | 0.0000 | 92.980 | 1.77119 | 0.00000 | 282214.9 | 97706.5 | 40212.2 | U/P |
| 20.800 | 0.4514 | 0.0000 | 92.979 | 1.77091 | 0.00000 | 282228.4 | 97759.6 | 40212.2 | U/P |
| 20.808 | 0.4521 | 0.0000 | 92.978 | 1.77063 | 0.00000 | 282242.0 | 97812.7 | 40212.2 | U/P |
| 20.817 | 0.4526 | 0.0000 | 92.976 | 1.77035 | 0.00000 | 282255.5 | 97865.8 | 40212.2 | U/P |
| 20.825 | 0.4531 | 0.0000 | 92.975 | 1.77007 | 0.00000 | 282269.1 | 97918.9 | 40212.2 | U/P |
| 20.833 | 0.4536 | 0.0000 | 92.974 | 1.76979 | 0.00000 | 282282.7 | 97972.0 | 40212.2 | U/P |
| 20.842 | 0.4540 | 0.0000 | 92.973 | 1.76950 | 0.00000 | 282296.3 | 98025.1 | 40212.2 | U/P |
| 20.850 | 0.4543 | 0.0000 | 92.971 | 1.76922 | 0.00000 | 282310.0 | 98078.2 | 40212.2 | U/P |
| 20.858 | 0.4547 | 0.0000 | 92.970 | 1.76894 | 0.00000 | 282323.6 | 98131.3 | 40212.2 | U/P |
| 20.867 | 0.4549 | 0.0000 | 92.969 | 1.76866 | 0.00000 | 282337.3 | 98184.3 | 40212.2 | U/P |
| 20.875 | 0.4552 | 0.0000 | 92.967 | 1.76838 | 0.00000 | 282350.9 | 98237.4 | 40212.2 | U/P |
| 20.883 | 0.4554 | 0.0000 | 92.966 | 1.76810 | 0.00000 | 282364.6 | 98290.4 | 40212.2 | U/P |
| 20.892 | 0.4556 | 0.0000 | 92.965 | 1.76782 | 0.00000 | 282378.2 | 98343.5 | 40212.2 | U/P |
| 20.900 | 0.4558 | 0.0000 | 92.963 | 1.76754 | 0.00000 | 282391.9 | 98396.5 | 40212.2 | U/P |
| 20.908 | 0.4559 | 0.0000 | 92.962 | 1.76726 | 0.00000 | 282405.6 | 98449.5 | 40212.2 | U/P |
| 20.917 | 0.4560 | 0.0000 | 92.961 | 1.76698 | 0.00000 | 282419.3 | 98502.5 | 40212.2 | U/P |
| 20.925 | 0.4562 | 0.0000 | 92.960 | 1.76670 | 0.00000 | 282432.9 | 98555.5 | 40212.2 | U/P |
| 20.933 | 0.4563 | 0.0000 | 92.958 | 1.76642 | 0.00000 | 282446.6 | 98608.5 | 40212.2 | U/P |
| 20.942 | 0.4564 | 0.0000 | 92.957 | 1.76614 | 0.00000 | 282460.3 | 98661.5 | 40212.2 | U/P |
| 20.950 | 0.4564 | 0.0000 | 92.956 | 1.76586 | 0.00000 | 282474.0 | 98714.5 | 40212.2 | U/P |
| 20.958 | 0.4565 | 0.0000 | 92.954 | 1.76558 | 0.00000 | 282487.7 | 98767.5 | 40212.2 | U/P |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: Pond $4100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | inflow Rate (fis/s) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infilitration Rate (fits) | Ovenlow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 20.967 | 0.4566 | 0.0000 | 92.953 | 1.76530 | 0.00000 | 282501.4 | 98820.4 | 40212.2 | U/P |
| 20.975 | 0.4567 | 0.0000 | 92.952 | 1.76502 | 0.00000 | 282515.1 | 98873.4 | 40212.2 | U/P |
| 20.983 | 0.4567 | 0.0000 | 92.951 | 1.76474 | 0.00000 | 282528.8 | 98926.3 | 40212.2 | U/P |
| 20.992 | 0.4568 | 0.0000 | 92.949 | 1.76446 | 0.00000 | 282542.5 | 98979.3 | 40212.2 | U/P |
| 21.000 | 0.4568 | 0.0000 | 92.948 | 1.76418 | 0.00000 | 282556.2 | 99032.2 | 40212.2 | U/P |
| 21.008 | 0.4566 | 0.0000 | 92.947 | 1.76390 | 0.00000 | 282569.9 | 99085.1 | 40212.2 | U/P |
| 21.017 | 0.4561 | 0.0000 | 92.945 | 1.76362 | 0.00000 | 282583.6 | 99138.0 | 40212.2 | U/P |
| 21.025 | 0.4551 | 0.0000 | 92.944 | 1.76334 | 0.00000 | 282597.3 | 99191.0 | 40212.2 | U/P |
| 21.033 | 0.4535 | 0.0000 | 92.943 | 1.76306 | 0.00000 | 282610.9 | 99243.8 | 40212.2 | U/P |
| 21.042 | 0.4511 | 0.0000 | 92.942 | 1.76277 | 0.00000 | 282624.4 | 99296.7 | 40212.2 | U/P |
| 21.050 | 0.4478 | 0.0000 | 92.940 | 1.76249 | 0.00000 | 282637.9 | 99349.6 | 40212.2 | U/P |
| 21.058 | 0.4433 | 0.0000 | 92.939 | 1.76221 | 0.00000 | 282651.3 | 99402.5 | 40212.2 | U/P |
| 21.067 | 0.4377 | 0.0000 | 92.938 | 1.76193 | 0.00000 | 282664.5 | 99455.3 | 40212.2 | U/P |
| 21.075 | 0.4310 | 0.0000 | 92.936 | 1.76164 | 0.00000 | 282677.6 | 99508.2 | 40212.2 | U/P |
| 21.083 | 0.4236 | 0.0000 | 92.935 | 1.76136 | 0.00000 | 282690.4 | 99561.0 | 40212.2 | U/P |
| 21.092 | 0.4155 | 0.0000 | 92.934 | 1.76107 | 0.00000 | 282702.9 | 99613.9 | 40212.2 | U/P |
| 21.100 | 0.4070 | 0.0000 | 92.932 | 1.76078 | 0.00000 | 282715.3 | 99666.7 | 40212.2 | U/P |
| 21.108 | 0.3985 | 0.0000 | 92.931 | 1.76049 | 0.00000 | 282727.4 | 99719.5 | 40212.2 | U/P |
| 21.117 | 0.3900 | 0.0000 | 92.930 | 1.76020 | 0.00000 | 282739.2 | 99772.3 | 40212.2 | U/P |
| 21.125 | 0.3817 | 0.0000 | 92.928 | 1.75991 | 0.00000 | 282750.8 | 99825.1 | 40212.2 | U/P |
| 21.133 | 0.3737 | 0.0000 | 92.927 | 1.75961 | 0.00000 | 282762.1 | 99877.9 | 40212.2 | U/P |
| 21.142 | 0.3662 | 0.0000 | 92.926 | 1.75931 | 0.00000 | 282773.2 | 99930.7 | 40212.2 | U/P |
| 21.150 | 0.3592 | 0.0000 | 92.924 | 1.75901 | 0.00000 | 282784.1 | 99983.5 | 40212.2 | U/P |
| 21.158 | 0.3527 | 0.0000 | 92.923 | 1.75871 | 0.00000 | 282794.8 | 100036.3 | 40212.2 | U/P |
| 21.167 | 0.3469 | 0.0000 | 92.921 | 1.75841 | 0.00000 | 282805.3 | 100089.0 | 40212.2 | U/P |
| 21.175 | 0.3419 | 0.0000 | 92.920 | 1.75811 | 0.00000 | 282815.6 | 100141.8 | 40212.2 | U/P |
| 21.183 | 0.3375 | 0.0000 | 92.919 | 1.75780 | 0.00000 | 282825.8 | 100194.5 | 40212.2 | U/P |
| 21.192 | 0.3338 | 0.0000 | 92.917 | 1.75750 | 0.00000 | 282835.8 | 100247.2 | 40212.2 | U/P |
| 21.200 | 0.3304 | 0.0000 | 92.916 | 1.75719 | 0.00000 | 282845.8 | 100299.9 | 40212.2 | U/P |
| 21.208 | 0.3275 | 0.0000 | 92.914 | 1.75689 | 0.00000 | 282855.7 | 100352.7 | 40212.2 | U/P |
| 21.217 | 0.3249 | 0.0000 | 92.913 | 1.75658 | 0.00000 | 282865.5 | 100405.4 | 40212.2 | U/P |
| 21.225 | 0.3225 | 0.0000 | 92.912 | 1.75627 | 0.00000 | 282875.2 | 100458.1 | 40212.2 | U/P |
| 21.233 | 0.3205 | 0.0000 | 92.910 | 1.75596 | 0.00000 | 282884.8 | 100510.7 | 40212.2 | U/P |
| 21.242 | 0.3186 | 0.0000 | 92.909 | 1.75565 | 0.00000 | 282894.4 | 100563.4 | 40212.2 | U/P |
| 21.250 | 0.3170 | 0.0000 | 92.907 | 1.75534 | 0.00000 | 282903.9 | 100616.1 | 40212.2 | U/P |
| 21.258 | 0.3155 | 0.0000 | 92.906 | 1.75503 | 0.00000 | 282913.4 | 100668.7 | 40212.2 | U/P |
| 21.267 | 0.3143 | 0.0000 | 92.905 | 1.75472 | 0.00000 | 282922.9 | 100721.4 | 40212.2 | U/P |
| 21.275 | 0.3131 | 0.0000 | 92.903 | 1.75441 | 0.00000 | 282932.3 | 100774.0 | 40212.2 | U/P |
| 21.283 | 0.3121 | 0.0000 | 92.902 | 1.75410 | 0.00000 | 282941.7 | 100826.6 | 40212.2 | U/P |
| 21.292 | 0.3113 | 0.0000 | 92.900 | 1.75379 | 0.00000 | 282951.0 | 100879.3 | 40212.2 | U/P |
| 21.300 | 0.3105 | 0.0000 | 92.899 | 1.75348 | 0.00000 | 282960.3 | 100931.9 | 40212.2 | U/P |
| 21.308 | 0.3098 | 0.0000 | 92.897 | 1.75317 | 0.00000 | 282969.7 | 100984.5 | 40212.2 | U/P |
| 21.317 | 0.3092 | 0.0000 | 92.896 | 1.75286 | 0.00000 | 282978.9 | 101037.1 | 40212.2 | U/P |
| 21.325 | 0.3086 | 0.0000 | 92.895 | 1.75255 | 0.00000 | 282988.2 | 101089.6 | 40212.2 | U/P |
| 21.333 | 0.3082 | 0.0000 | 92.893 | 1.75224 | 0.00000 | 282997.5 | 101142.2 | 40212.2 | U/P |
| 21.342 | 0.3077 | 0.0000 | 92.892 | 1.75193 | 0.00000 | 283006.7 | 101194.8 | 40212.2 | U/P |
| 21.350 | 0.3074 | 0.0000 | 92.890 | 1.75161 | 0.00000 | 283015.9 | 101247.3 | 40212.2 | U/P |
| 21.358 | 0.3070 | 0.0000 | 92.889 | 1.75130 | 0.00000 | 283025.1 | 101299.9 | 40212.2 | U/P |
| 21.367 | 0.3067 | 0.0000 | 92.887 | 1.75099 | 0.00000 | 283034.3 | 101352.4 | 40212.2 | U/P |
| 21.375 | 0.3065 | 0.0000 | 92.886 | 1.75068 | 0.00000 | 283043.5 | 101404.9 | 40212.2 | U/P |
| 21.383 | 0.3063 | 0.0000 | 92.885 | 1.75037 | 0.00000 | 283052.7 | 101457.4 | 40212.2 | U/P |
| 21.392 | 0.3061 | 0.0000 | 92.883 | 1.75006 | 0.00000 | 283061.9 | 101510.0 | 40212.2 | U/P |
| 21.400 | 0.3059 | 0.0000 | 92.882 | 1.74974 | 0.00000 | 283071.1 | 101562.5 | 40212.2 | U/P |
| 21.408 | 0.3057 | 0.0000 | 92.880 | 1.74943 | 0.00000 | 283080.3 | 101614.9 | 40212.2 | U/P |
| 21.417 | 0.3056 | 0.0000 | 92.879 | 1.74912 | 0.00000 | 283089.4 | 101667.4 | 40212,2 | U/P |
| 21.425 | 0.3054 | 0.0000 | 92.877 | 1.74881 | 0.00000 | 283098.6 | 101719.9 | 40212.2 | U/P |
| 21.433 | 0.3053 | 0.0000 | 92.876 | 1.74850 | 0.00000 | 283107.8 | 101772.3 | 40212.2 | U/P |
| 21.442 | 0.3052 | 0.0000 | 92.874 | 1.74818 | 0.00000 | 283116.9 | 101824.8 | 40212.2 | U/P |
| 21.450 | 0.3051 | 0.0000 | 92.873 | 1.74787 | 0.00000 | 283126.1 | 101877.2 | 40212.2 | U/P |
| 21.458 | 0.3051 | 0.0000 | 92.872 | 1.74756 | 0.00000 | 283135.2 | 101929.7 | 40212.2 | U/P |
| 21.467 | 0.3050 | 0.0000 | 92.870 | 1.74725 | 0.00000 | 283144.4 | 101982.1 | 40212.2 | U/P |
| 21.475 | 0.3049 | 0.0000 | 92.869 | 1.74694 | 0.00000 | 283153.5 | 102034.5 | 40212.2 | U/P |
| 21.483 | 0.3049 | 0.0000 | 92.867 | 1.74662 | 0.00000 | 283162.7 | 102086.9 | 40212.2 | U/P |
| 21.492 | 0.3048 | 0.0000 | 92.866 | 1.74631 | 0.00000 | 283171.8 | 102139.3 | 40212.2 | U/P |
| 21.500 | 0.3048 | 0.0000 | 92.864 | 1.74600 | 0.00000 | 283181.0 | 102191.7 | 40212.2 | U/P |
| 21.508 | 0.3049 | 0.0000 | 92.863 | 1.74569 | 0.00000 | 283190.1 | 102244.1 | 40212.2 | U/P |
| 21.517 | 0.3057 | 0.0000 | 92.862 | 1.74538 | 0.00000 | 283199.3 | 102296.4 | 40212.2 | U/P |
| 21.525 | 0.3073 | 0.0000 | 92.860 | 1.74506 | 0.00000 | 283208.5 | 102348.8 | 40212.2 | U/P |
| 21.533 | 0.3099 | 0.0000 | 92.859 | 1.74475 | 0.00000 | 283217.7 | 102401.1 | 40212.2 | U/P |
| 21.542 | 0.3140 | 0.0000 | 92.857 | 1.74444 | 0.00000 | 283227.1 | 102453.5 | 40212.2 | U/P |
| 21.550 | 0.3197 | 0.0000 | 92.856 | 1.74413 | 0.00000 | 283236.6 | 102505.8 | 40212.2 | U/P |
| 21.558 | 0.3275 | 0.0000 | 92.854 | 1.74382 | 0.00000 | 283246.3 | 102558.1 | 40212.2 | U/P |
| 21.567 | 0.3377 | 0.0000 | 92.853 | 1.74352 | 0.00000 | 283256.3 | 102610.4 | 40212.2 | U/P |
| 21.575 | 0.3500 | 0.0000 | 92.852 | 1.74321 | 0.00000 | 283266.6 | 102662.7 | 40212.2 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $4100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (It/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 21.583 | 0.3642 | 0.0000 | 92.850 | 1.74291 | 0.00000 | 283277.3 | 102715.0 | 40212.2 | U/P |
| 21.592 | 0.3798 | 0.0000 | 92.849 | 1.74261 | 0.00000 | 283288.5 | 102767.3 | 40212.2 | U/P |
| 21.600 | 0.3963 | 0.0000 | 92.848 | 1.74232 | 0.00000 | 283300.1 | 102819.6 | 40212.2 | U/P |
| 21.608 | 0.4133 | 0.0000 | 92.846 | 1.74203 | 0.00000 | 283312.3 | 102871.8 | 40212.2 | U/P |
| 21.617 | 0.4303 | 0.0000 | 92.845 | 1.74174 | 0.00000 | 283324.9 | 102924.1 | 40212.2 | U/P |
| 21.625 | 0.4472 | 0.0000 | 92.844 | 1.74145 | 0.00000 | 283338.1 | 102976.3 | 40212.2 | U/P |
| 21.633 | 0.4634 | 0.0000 | 92.842 | 1.74117 | 0.00000 | 283351.7 | 103028.6 | 40212.2 | U/P |
| 21.642 | 0.4788 | 0.0000 | 92.841 | 1.74089 | 0.00000 | 283365.9 | 103080.8 | 40212.2 | U/P |
| 21.650 | 0.4933 | 0.0000 | 92.840 | 1.74062 | 0.00000 | 283380.4 | 103133.0 | 40212.2 | U/P |
| 21.658 | 0.5068 | 0.0000 | 92.839 | 1.74035 | 0.00000 | 283395.4 | 103185.3 | 40212.2 | U/P |
| 21.667 | 0.5190 | 0.0000 | 92.837 | 1.74008 | 0.00000 | 283410.8 | 103237.5 | 40212.2 | U/P |
| 21.675 | 0.5298 | 0.0000 | 92.836 | 1.73982 | 0.00000 | 283426.6 | 103289.7 | 40212.2 | U/P |
| 21.683 | 0.5392 | 0.0000 | 92.835 | 1.73955 | 0.00000 | 283442.6 | 103341.8 | 40212.2 | U/P |
| 21.692 | 0.5473 | 0.0000 | 92.834 | 1.73929 | 0.00000 | 283458.9 | 103394.0 | 40212.2 | U/P |
| 21.700 | 0.5544 | 0.0000 | 92.833 | 1.73903 | 0.00000 | 283475.4 | $\uparrow 03446.2$ | 40212.2 | U/P |
| 21.708 | 0.5607 | 0.0000 | 92.831 | 1.73878 | 0.00000 | 283492.2 | 103498.4 | 40212.2 | U/P |
| 21.717 | 0.5662 | 0.0000 | 92.830 | 1.73852 | 0.00000 | 283509.1 | 103550.5 | 40212.2 | U/P |
| 21.725 | 0.5711 | 0.0000 | 92.829 | 1.73826 | 0.00000 | 283526.1 | 103602.7 | 40212.2 | U/P |
| 21.733 | 0.5755 | 0.0000 | 92.828 | 1.73801 | 0.00000 | 283543.3 | 103654.8 | 40212.2 | U/P |
| 21.742 | 0.5794 | 0.0000 | 92.827 | 1.73776 | 0.00000 | 283560.6 | 103707.0 | 40212.2 | U/P |
| 21.750 | 0.5829 | 0.0000 | 92.826 | 1.73751 | 0.00000 | 283578.1 | 103759.1 | 40212.2 | U/P |
| 21.758 | 0.5860 | 0.0000 | 92.824 | 1.73726 | 0.00000 | 283595.6 | 103811.2 | 40212.2 | U/P |
| 21.767 | 0.5887 | 0.0000 | 92.823 | 1.73700 | 0.00000 | 283613.2 | 103863.3 | 40212.2 | U/P |
| 21.775 | 0.5911 | 0.0000 | 92.822 | 1.73676 | 0.00000 | 283630.9 | 103915.4 | 40212.2 | U/P |
| 21.783 | 0.5932 | 0.0000 | 92.821 | 1.73651 | 0.00000 | 283648.7 | 103967.5 | 40212.2 | U/P |
| 21.792 | 0.5951 | 0.0000 | 92.820 | 1.73626 | 0.00000 | 283666.5 | 104019.6 | 40212.2 | U/P |
| 21.800 | 0.5967 | 0.0000 | 92.819 | 1.73601 | 0.00000 | 283684.4 | 104071.7 | 40212.2 | U/P |
| 21.808 | 0.5982 | 0.0000 | 92.818 | 1.73576 | 0.00000 | 283702.3 | 104123.8 | 40212.2 | U/P |
| 21.817 | 0.5995 | 0.0000 | 92.816 | 1.73551 | 0.00000 | 283720.3 | 104175.9 | 40212.2 | U/P |
| 21.825 | 0.6007 | 0.0000 | 92.815 | 1.73527 | 0.00000 | 283738.3 | 104227.9 | 40212.2 | U/P |
| 21.833 | 0.6017 | 0.0000 | 92.814 | 1.73502 | 0.00000 | 283756.3 | 104280.0 | 40212.2 | U/P |
| 21.842 | 0.6026 | 0.0000 | 92.813 | 1.73477 | 0.00000 | 283774.4 | 104332.0 | 40212.2 | U/P |
| 21.850 | 0.6034 | 0.0000 | 92.812 | 1.73452 | 0.00000 | 283792.5 | 104384.1 | 40212.2 | U/P |
| 21.858 | 0.6041 | 0.0000 | 92.811 | 1.73428 | 0.00000 | 283810.6 | 104436.1 | 40212.2 | U/P |
| 21.867 | 0.6047 | 0.0000 | 92.810 | 1.73403 | 0.00000 | 283828.7 | 104488.1 | 40212.2 | U/P |
| 21.875 | 0.6052 | 0.0000 | 92.808 | 1.73379 | 0.00000 | 283846.9 | 104540.1 | 40212.2 | U/P |
| 21.883 | 0.6057 | 0.0000 | 92.807 | 1.73354 | 0.00000 | 283865.0 | 104592.1 | 40212.2 | U/P |
| 21.892 | 0.6062 | 0.0000 | 92.806 | 1.73328 | 0.00000 | 283883.2 | 104644.1 | 40212.2 | U/P |
| 21.900 | 0.6065 | 0.0000 | 92.805 | 1.73305 | 0.00000 | 283901.4 | 104696.1 | 40212.2 | U/P |
| 21.908 | 0.6069 | 0.0000 | 92.804 | 1.73280 | 0.00000 | 283919.6 | 104748.1 | 40212.2 | U/P |
| 21.917 | 0.6072 | 0.0000 | 92.803 | 1.73256 | 0.00000 | 283937.8 | 104800.1 | 40212.2 | U/P |
| 21.925 | 0.6074 | 0.0000 | 92.802 | 1.73231 | 0.00000 | 283956.0 | 104852.1 | 40212.2 | U/P |
| 21.933 | 0.6077 | 0.0000 | 92.801 | 1.73207 | 0.00000 | 283974.3 | 104904.0 | 40212.2 | U/P |
| 21.942 | 0.6079 | 0.0000 | 92.799 | 1.73182 | 0.00000 | 283992.5 | 104956.0 | 40212.2 | U/P |
| 21.950 | 0.6081 | 0.0000 | 92.798 | 1.73158 | 0.00000 | 284010.7 | 105008.0 | 40212.2 | U/P |
| 21.958 | 0.6082 | 0.0000 | 92.797 | 1.73133 | 0.00000 | 284029.0 | 105059.9 | 40212.2 | U/P |
| 21.967 | 0.6084 | 0.0000 | 92.796 | 1.73109 | 0.00000 | 284047.2 | 105111.8 | 40212.2 | U/P |
| 21.975 | 0.6085 | 0.0000 | 92.795 | 1.73084 | 0.00000 | 284065.5 | 105163.8 | 40212.2 | U/P |
| 21.983 | 0.6087 | 0.0000 | 92.794 | 1.73060 | 0.00000 | 284083.8 | 105215.7 | 40212.2 | U/P |
| 21.992 | 0.6088 | 0.0000 | 92.793 | 1.73035 | 0.00000 | 284102.0 | 105267.6 | 40212.2 | U/P |
| 22.000 | 0.6089 | 0.0000 | 92.792 | 1.73011 | 0.00000 | 284120.3 | 105319.5 | 40212.2 | U/P |
| 22.008 | 0.6089 | 0.0000 | 92.790 | 1.72986 | 0.00000 | 284138.5 | 105371.4 | 40212.2 | U/P |
| 22.017 | 0.6086 | 0.0000 | 82.789 | 1.72962 | 0.00000 | 284156.8 | 105423.3 | 40212.2 | U/P |
| 22.025 | 0.6075 | 0.0000 | 92.788 | 1.72937 | 0.00000 | 284175.0 | 105475.2 | 40212.2 | U/P |
| 22.033 | 0.6054 | 0.0000 | 92.787 | 1.72913 | 0.00000 | 284193.2 | 105527.1 | 40212.2 | U/P |
| 22.042 | 0.6021 | 0.0000 | 92.786 | 1.72888 | 0.00000 | 284211.3 | 105578.9 | 40212.2 | U/P |
| 22.050 | 0.5973 | 0.0000 | 92.785 | 1.72863 | 0.00000 | 284229.3 | 105630.8 | 40212.2 | U/P |
| 22.058 | 0.5905 | 0.0000 | 92.784 | 1.72839 | 0.00000 | 284247.2 | 105682.6 | 40212.2 | U/P |
| 22.067 | 0.5816 | 0.0000 | 92.783 | 1.72814 | 0.00000 | 284264.7 | 105734.5 | 40212.2 | U/P |
| 22.075 | 0.5702 | 0.0000 | 92.781 | 1.72789 | 0.00000 | 284282.0 | 105786.3 | 40212.2 | U/P |
| 22.083 | 0.5568 | 0.0000 | 92.780 | 1.72763 | 0.00000 | 284298.9 | 105838.2 | 40212.2 | U/P |
| 22.092 | 0.5418 | 0.0000 | 92.779 | 1.72738 | 0.00000 | 284315.4 | 105890.0 | 40212.2 | U/P |
| 22.100 | 0.5256 | 0.0000 | 92.778 | 1.72712 | 0.00000 | 284331.4 | 105941.8 | 40212.2 | U/P |
| 22.108 | 0.5087 | 0.0000 | 92.777 | 1.72685 | 0.00000 | 284346.9 | 105993.6 | 40212.2 | U/P |
| 22.117 | 0.4916 | 0.0000 | 92.775 | 1.72659 | 0.00000 | 284361.9 | 106045.4 | 40212.2 | U/P |
| 22.125 | 0.4747 | 0.0000 | 92.774 | 1.72632 | 0.00000 | 284376.4 | 106097.2 | 40212.2 | U/P |
| 22.133 | 0.4580 | 0.0000 | 92.773 | 1.72604 | 0.00000 | 284390.4 | 106149.0 | 40212.2 | U/P |
| 22.142 | 0.4422 | 0.0000 | 92.772 | 1.72577 | 0.00000 | 284403.9 | 106200.8 | 40212.2 | U/P |
| 22.150 | 0.4272 | 0.0000 | 92.770 | 1.72549 | 0.00000 | 284416.9 | 106252.5 | 40212.2 | U/P |
| 22.158 | 0.4132 | 0.0000 | 92.769 | 1.72520 | 0.00000 | 284429.6 | 106304.3 | 40212.2 | U/P |
| 22.167 | 0.4004 | 0.0000 | 92.768 | 1.72491 | 0.00000 | 284441.8 | 106356.1 | 40212.2 | U/P |
| 22.175 | 0.3888 | 0.0000 | 92.766 | 1.72462 | 0.00000 | 284453.6 | 106407.8 | 40212.2 | U/P |
| 22.183 | 0.3788 | 0.0000 | 92.765 | 1.72433 | 0.00000 | 284465.1 | 106459.5 | 40212.2 | U/P |
| 22.192 | 0.3701 | 0.0000 | 92.764 | 1.72404 | 0.00000 | 284476.3 | 106511.3 | 40212.2 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $4100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Overfow Discharge (ft ${ }^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( fi $^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 22.200 | 0.3626 | 0.0000 | 92.762 | 1.72374 | 0.00000 | 284487.3 | 106563.0 | 40212.2 | U/P |
| 22.208 | 0.3559 | 0.0000 | 92.761 | 1.72344 | 0.00000 | 284498.1 | 106614.7 | 40212.2 | U/P |
| 22.217 | 0.3501 | 0.0000 | 92.759 | 1.72314 | 0.00000 | 284508.7 | 106666.4 | 40212.2 | U/P |
| 22.225 | 0.3449 | 0.0000 | 92.758 | 1.72284 | 0.00000 | 284519.1 | 106718.1 | 40212.2 | U/P |
| 22.233 | 0.3403 | 0.0000 | 92.757 | 1.72254 | 0.00000 | 284529.4 | 106769.8 | 40212.2 | U/P |
| 22.242 | 0.3361 | 0.0000 | 92.755 | 1.72223 | 0.00000 | 284539.5 | 106821.4 | 40212.2 | U/P |
| 22.250 | 0.3325 | 0.0000 | 92.754 | 1.72193 | 0.00000 | 284549.6 | 106873.1 | 40212.2 | U/P |
| 22.258 | 0.3292 | 0.0000 | 92.752 | 1.72163 | 0.00000 | 284559.5 | 106924.7 | 40212.2 | U/P |
| 22.267 | 0.3263 | 0.0000 | 92.751 | 1.72132 | 0.00000 | 284569.3 | 106976.4 | 40212.2 | U/P |
| 22.275 | 0.3238 | 0.0000 | 92.750 | 1.72101 | 0.00000 | 284579.1 | 107028.0 | 40212.2 | U/P |
| 22.283 | 0.3216 | 0.0000 | 92.748 | 1.72071 | 0.00000 | 284588.8 | 107079.6 | 40212.2 | U/P |
| 22.292 | 0.3196 | 0.0000 | 92.747 | 1.72040 | 0.00000 | 284598.4 | 107131.3 | 40212.2 | U/P |
| 22.300 | 0.3178 | 0.0000 | 92.745 | 1.72009 | 0.00000 | 284607.9 | 107182.9 | 40212.2 | U/P |
| 22.308 | 0.3162 | 0.0000 | 92.744 | 1.71978 | 0.00000 | 284617.5 | 107234.5 | 40212.2 | U/P |
| 22.317 | 0.3149 | 0.0000 | 92.743 | 1.71948 | 0.00000 | 284626.9 | 107286.1 | 40212.2 | U/P |
| 22.325 | 0.3137 | 0.0000 | 92.741 | 1.71917 | 0.00000 | 284636.3 | 107337.6 | 40212.2 | U/P |
| 22.333 | 0.3126 | 0.0000 | 92.740 | 1.71886 | 0.00000 | 284645.8 | 107389.2 | 40212.2 | U/P |
| 22.342 | 0.3116 | 0.0000 | 92.738 | 1.71855 | 0.00000 | 284655.1 | 107440.8 | 40212.2 | U/P |
| 22.350 | 0.3108 | 0.0000 | 92.737 | 1.71824 | 0.00000 | 284664.4 | 107492.3 | 40212.2 | U/P |
| 22.358 | 0.3101 | 0.0000 | 92.735 | 1.71793 | 0.00000 | 284673.8 | 107543.9 | 40212.2 | U/P |
| 22.367 | 0.3094 | 0.0000 | 92.734 | 1.71762 | 0.00000 | 284683.1 | 107595.4 | 40212.2 | U/P |
| 22.375 | 0.3088 | 0.0000 | 92.733 | 1.71731 | 0.00000 | 284692.3 | 107646.9 | 40212.2 | U/P |
| 22.383 | 0.3083 | 0.0000 | 92.731 | 1.71700 | 0.00000 | 284701.6 | 107698.4 | 40212.2 | U/P |
| 22.392 | 0.3078 | 0.0000 | 92.730 | 1.71669 | 0.00000 | 284710.8 | 107749.9 | 40212.2 | U/P |
| 22.400 | 0.3074 | 0.0000 | 92.728 | 1.71638 | 0.00000 | 284720.1 | 107801.4 | 40212.2 | U/P |
| 22.408 | 0.3071 | 0.0000 | 92.727 | 1.71607 | 0.00000 | 284729.3 | 107852.9 | 40212.2 | U/P |
| 22.417 | 0.3068 | 0.0000 | 92.726 | 1.71576 | 0.00000 | 284738.5 | 107904.4 | 40212.2 | U/P |
| 22.425 | 0.3065 | 0.0000 | 92.724 | 1.71545 | 0.00000 | 284747.7 | 107955.9 | 40212.2 | U/P |
| 22.433 | 0.3062 | 0.0000 | 92.723 | 1.71514 | 0.00000 | 284756.9 | 108007.3 | 40212.2 | U/P |
| 22.442 | 0.3060 | 0.0000 | 92.721 | 1.71483 | 0.00000 | 284766.1 | 108058.8 | 40212.2 | U/P |
| 22,450 | 0.3058 | 0.0000 | 92.720 | 1.71452 | 0.00000 | 284775.2 | 108110.2 | 40212.2 | U/P |
| 22.458 | 0.3056 | 0.0000 | 92.718 | 1.71421 | 0.00000 | 284784.4 | 108161.6 | 40212.2 | U/P |
| 22.467 | 0.3055 | 0.0000 | 92.717 | 1.71390 | 0.00000 | 284793.6 | 108213.1 | 40212.2 | U/P |
| 22.475 | 0.3053 | 0.0000 | 92.716 | 1.71359 | 0.00000 | 284802.7 | 108264.5 | 40212.2 | U/P |
| 22.483 | 0.3052 | 0.0000 | 92.714 | 1.71328 | 0.00000 | 284811.9 | 108315.9 | 40212.2 | U/P |
| 22.492 | 0.3051 | 0.0000 | 92.713 | 1.71297 | 0.00000 | 284821.0 | 108367.3 | 40212.2 | U/P |
| 22.500 | 0.3050 | 0.0000 | 92.711 | 1.71265 | 0.00000 | 284830.2 | 108418.7 | 40212.2 | U/P |
| 22.508 | 0.3049 | 0.0000 | 92.710 | 1.71234 | 0.00000 | 284839.3 | 108470.0 | 40212.2 | U/P |
| 22.517 | 0.3049 | 0.0000 | 92.708 | 1.71203 | 0.00000 | 284848.5 | 108521.4 | 40212.2 | U/P |
| 22.525 | 0.3053 | 0.0000 | 92.707 | 1.71172 | 0.00000 | 284857.6 | 108572.8 | 40212.2 | U/P |
| 22.533 | 0.3063 | 0.0000 | 92.706 | 1.71141 | 0.00000 | 284866.8 | 108624.1 | 40212.2 | U/P |
| 22.542 | 0.3078 | 0.0000 | 92.704 | 1.71110 | 0.00000 | 284876.0 | 108675.4 | 40212.2 | U/P |
| 22.550 | 0.3101 | 0.0000 | 92.703 | 1.71079 | 0.00000 | 284885.3 | 108726.8 | 40212.2 | U/P |
| 22.558 | 0.3135 | 0.0000 | 92.701 | 1.71048 | 0.00000 | 284894.7 | 108778.1 | 40212.2 | U/P |
| 22.567 | 0.3180 | 0.0000 | 92.700 | 1.71017 | 0.00000 | 284904.1 | 108829.4 | 40212.2 | U/P |
| 22.575 | 0.3239 | 0.0000 | 92.698 | 1.70987 | 0.00000 | 284913.8 | 108880.7 | 40212.2 | U/P |
| 22.583 | 0.3310 | 0.0000 | 92.697 | 1.70956 | 0.00000 | 284923.6 | 108932.0 | 40212.2 | U/P |
| 22.592 | 0.3392 | 0.0000 | 92.696 | 1.70926 | 0.00000 | 284933.6 | 108983.3 | 40212.2 | U/P |
| 22.600 | 0.3482 | 0.0000 | 92.694 | 1.70895 | 0.00000 | 284943.9 | 109034.5 | 40212.2 | U/P |
| 22.608 | 0.3577 | 0.0000 | 92.693 | 1.70865 | 0.00000 | 284954.5 | 109085.8 | 40212.2 | U/P |
| 22.617 | 0.3675 | 0.0000 | 92.692 | 1.70835 | 0.00000 | 284965.4 | 109137.1 | 40212.2 | U/P |
| 22.625 | 0.3773 | 0.0000 | 92.690 | 1.70806 | 0.00000 | 284976.6 | 109188.3 | 40212.2 | U/P |
| 22.633 | 0.3870 | 0.0000 | 92.689 | 1.70776 | 0.00000 | 284988.0 | 109239.5 | 40212.2 | U/P |
| 22.642 | 0.3963 | 0.0000 | 92.687 | 1.70747 | 0.00000 | 284999.8 | 109290.8 | 40212.2 | U/P |
| 22.650 | 0.4052 | 0.0000 | 92.686 | 1.70718 | 0.00000 | 285011.8 | 109342.0 | 40212.2 | U/P |
| 22.658 | 0.4135 | 0.0000 | 92.685 | 1.70689 | 0.00000 | 285024.1 | 109393.2 | 40212.2 | U/P |
| 22.667 | 0.4212 | 0.0000 | 92.684 | 1.70661 | 0.00000 | 285036.6 | 109444.4 | 40212.2 | U/P |
| 22.675 | 0.4282 | 0.0000 | 92.682 | 1.70632 | 0.00000 | 285049.3 | 109495.6 | 40212.2 | U/P |
| 22.683 | 0.4344 | 0.0000 | 92.681 | 1.70604 | 0.00000 | 285062.3 | 109546.8 | 40212.2 | U/P |
| 22.692 | 0.4397 | 0.0000 | 92.680 | 1.70576 | 0.00000 | 285075.4 | 109598.0 | 40212.2 | U/P |
| 22.700 | 0.4444 | 0.0000 | 92.678 | 1.70548 | 0.00000 | 285088.7 | 109649.1 | 40212.2 | U/P |
| 22.708 | 0.4484 | 0.0000 | 92.677 | 1.70520 | 0.00000 | 285102.1 | 109700.3 | 40212.2 | U/P |
| 22.717 | 0.4520 | 0.0000 | 92.676 | 1.70492 | 0.00000 | 285115.6 | 109751.4 | 40212.2 | U/P |
| 22.725 | 0.4552 | 0.0000 | 92.674 | 1.70464 | 0.00000 | 285129.2 | 109802.6 | 40212.2 | U/P |
| 22.733 | 0.4580 | 0.0000 | 92.673 | 1.70436 | 0.00000 | 285142.9 | 109853.7 | 40212.2 | U/P |
| 22.742 | 0.4605 | 0.0000 | 92.672 | 1.70409 | 0.00000 | 285156.7 | 109904.9 | 40212.2 | U/P |
| 22.750 | 0.4628 | 0.0000 | 92.671 | 1.70381 | 0.00000 | 285170.5 | 109956.0 | 40212.2 | U/P |
| 22.758 | 0.4647 | 0.0000 | 92.669 | 1.70354 | 0.00000 | 285184.4 | 110007.1 | 40212.2 | U/P |
| 22.767 | 0.4665 | 0.0000 | 92.668 | 1.70326 | 0.00000 | 285198.4 | 110058.2 | 40212.2 | U/P |
| 22.775 | 0.4680 | 0.0000 | 92.667 | 1.70299 | 0.00000 | 285212.4 | 110109.3 | 40212.2 | U/P |
| 22.783 | 0.4694 | 0.0000 | 92.666 | 1.70271 | 0.00000 | 285226.5 | 110160.4 | 40212.2 | U/P |
| 22.792 | 0.4706 | 0.0000 | 92.664 | 1.70244 | 0.00000 | 285240.6 | 110211.4 | 40212.2 | U/P |
| 22.800 | 0.4717 | 0.0000 | 92.663 | 1.70216 | 0.00000 | 285254.7 | 110262.5 | 40212.2 | U/P |
| 22.808 | 0.4727 | 0.0000 | 92.662 | 1.70189 | 0.00000 | 285268.8 | 110313.6 | 40212.2 | U/P |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: Pond $4100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 22.817 | 0.4735 | 0.0000 | 92.661 | 1.70162 | 0.00000 | 285283.1 | 110364.6 | 40212.2 | U/P |
| 22.825 | 0.4742 | 0.0000 | 92.659 | 1.70135 | 0.00000 | 285297.3 | 110415.7 | 40212.2 | U/P |
| 22.833 | 0.4749 | 0.0000 | 92.658 | 1.70107 | 0.00000 | 285311.5 | 110466.7 | 40212.2 | U/P |
| 22.842 | 0.4755 | 0.0000 | 92.657 | 1.70080 | 0.00000 | 285325.8 | 110517.7 | 40212.2 | U/P |
| 22.850 | 0.4760 | 0.0000 | 92.656 | 1.70053 | 0.00000 | 285340.0 | 110568.8 | 40212.2 | U/P |
| 22.858 | 0.4764 | 0.0000 | 92.654 | 1.70026 | 0.00000 | 285354.3 | 110619.8 | 40212.2 | U/P |
| 22.867 | 0.4768 | 0.0000 | 92.653 | 1.69998 | 0.00000 | 285368.6 | 110670.8 | 40212.2 | U/P |
| 22.875 | 0.4772 | 0.0000 | 92,652 | 1.69971 | 0.00000 | 285382.9 | 110721.8 | 40212.2 | U/P |
| 22.883 | 0.4775 | 0.0000 | 92.651 | 1.69944 | 0.00000 | 285397.3 | 110772.8 | 40212.2 | U/P |
| 22.892 | 0.4778 | 0.0000 | 92.649 | 1.69917 | 0.00000 | 285411.6 | 110823.7 | 40212.2 | U/P |
| 22.900 | 0.4780 | 0.0000 | 92.648 | 1.69890 | 0.00000 | 285425.9 | 110874.7 | 40212.2 | U/P |
| 22.908 | 0.4783 | 0.0000 | 92.647 | 1.69863 | 0.00000 | 285440.3 | 110925.7 | 40212.2 | U/P |
| 22.917 | 0.4785 | 0.0000 | 92.646 | 1.69835 | 0.00000 | 285454.6 | 110976.6 | 40212.2 | U/P |
| 22.925 | 0.4786 | 0.0000 | 92.644 | 1.69808 | 0.00000 | 285469.0 | 111027.6 | 40212.2 | U/P |
| 22.933 | 0.4788 | 0.0000 | 92.643 | 1.69781 | 0.00000 | 285483.3 | 111078.5 | 40212.2 | U/P |
| 22.942 | 0.4789 | 0.0000 | 92.642 | 1.69754 | 0.00000 | 285497.7 | 111129.4 | 40212.2 | U/P |
| 22.950 | 0.4790 | 0.0000 | 92.641 | 1.69727 | 0.00000 | 285512.1 | 111180.4 | 40212.2 | U/P |
| 22.958 | 0.4791 | 0.0000 | 92.639 | 1.69700 | 0.00000 | 285526.4 | 111231.3 | 40212.2 | U/P |
| 22.967 | 0.4792 | 0.0000 | 92.638 | 1.69673 | 0.00000 | 285540.8 | 111282.2 | 40212.2 | U/P |
| 22.975 | 0.4793 | 0.0000 | 92.637 | 1.69646 | 0.00000 | 285555.2 | 111333.1 | 40212.2 | U/P |
| 22.983 | 0.4794 | 0.0000 | 92.636 | 1.69618 | 0.00000 | 285569.6 | 111384.0 | 40212.2 | U/P |
| 22.992 | 0.4795 | 0.0000 | 92.634 | 1.69591 | 0.00000 | 285583.9 | 111434.8 | 40212.2 | U/P |
| 23.000 | 0.4791 | 0.0000 | 92.633 | 1.69564 | 0.00000 | 285598.3 | 111485.7 | 40212.2 | U/P |
| 23.008 | 0.4780 | 0.0000 | 92.632 | 1.69537 | 0.00000 | 285612.7 | 111536.6 | 40212.2 | U/P |
| 23.017 | 0.4759 | 0.0000 | 92.631 | 1.69510 | 0.00000 | 285627.0 | 111587.4 | 40212.2 | U/P |
| 23.025 | 0.4725 | 0.0000 | 92.629 | 1.69483 | 0.00000 | 285641.2 | 111638.3 | 40212.2 | U/P |
| 23.033 | 0.4674 | 0.0000 | 92.628 | 1.69455 | 0.00000 | 285655.3 | 111689.1 | 40212.2 | U/P |
| 23.042 | 0.4603 | 0.0000 | 92.627 | 1.69428 | 0.00000 | 285669.3 | 111740.0 | 40212.2 | U/P |
| 23.050 | 0.4510 | 0.0000 | 92.626 | 1.69401 | 0.00000 | 285682.9 | 111790.8 | 40212.2 | U/P |
| 23.058 | 0.4389 | 0.0000 | 92.624 | 1.69373 | 0.00000 | 285696.3 | 111841.6 | 40212.2 | U/P |
| 23.067 | 0.4247 | 0.0000 | 92.623 | 1.69345 | 0.00000 | 285709.2 | 111892.4 | 40212.2 | U/P |
| 23.075 | 0.4087 | 0.0000 | 92.622 | 1.69317 | 0.00000 | 285721.7 | 111943.2 | 40212.2 | U/P |
| 23.083 | 0.3914 | 0.0000 | 92.620 | 1.69288 | 0.00000 | 285733.7 | 111994.0 | 40212.2 | U/P |
| 23.092 | 0.3732 | 0.0000 | 92.619 | 1.69259 | 0.00000 | 285745.2 | 112044.8 | 40212.2 | U/P |
| 23.100 | 0.3549 | 0.0000 | 92.618 | 1.69229 | 0.00000 | 285756.1 | 112095.6 | 40212.2 | U/P |
| 23.108 | 0.3366 | 0.0000 | 92.616 | 1.69199 | 0.00000 | 285766.5 | 112146.3 | 40212.2 | U/P |
| 23.117 | 0.3187 | 0.0000 | 92.615 | 1.69169 | 0.00000 | 285776.3 | 112197.1 | 40212.2 | U/P |
| 23.125 | 0.3016 | 0.0000 | 92.614 | 1.69139 | 0.00000 | 285785.6 | 112247.8 | 40212.2 | U/P |
| 23.133 | 0.2854 | 0.0000 | 92.612 | 1.69107 | 0.00000 | 285794.4 | 112298.6 | 40212.2 | U/P |
| 23.142 | 0.2703 | 0.0000 | 92.611 | 1.69076 | 0.00000 | 285802.8 | 112349.3 | 40212.2 | U/P |
| 23.150 | 0.2564 | 0.0000 | 92.609 | 1.69044 | 0.00000 | 285810.7 | 112400.0 | 40212.2 | U/P |
| 23.158 | 0.2438 | 0.0000 | 92.608 | 1.69012 | 0.00000 | 285818.2 | 112450.7 | 40212.2 | U/P |
| 23.167 | 0.2329 | 0.0000 | 92.606 | 1.68980 | 0.00000 | 285825.3 | 112501.4 | 40212.2 | U/P |
| 23.175 | 0.2235 | 0.0000 | 92.605 | 1.68947 | 0.00000 | 285832.2 | 112552.1 | 40212.2 | U/P |
| 23.183 | 0.2153 | 0.0000 | 92.603 | 1.68915 | 0.00000 | 285838.7 | 112602.8 | 40212.2 | U/P |
| 23.192 | 0.2081 | 0.0000 | 92.602 | 1.68882 | 0.00000 | 285845.1 | 112653.4 | 40212.2 | U/P |
| 23.200 | 0.2017 | 0.0000 | 92.600 | 1.68848 | 0.00000 | 285851.2 | 112704.1 | 40212.2 | U/P |
| 23.208 | 0.1961 | 0.0000 | 92.599 | 1.68815 | 0.00000 | 285857.2 | 112754.8 | 40212.2 | U/P |
| 23.217 | 0.1911 | 0.0000 | 92.597 | 1.68782 | 0.00000 | 285863.0 | 112805.4 | 40212.2 | U/P |
| 23.225 | 0.1866 | 0.0000 | 92.596 | 1.68748 | 0.00000 | 285868.7 | 112856.0 | 40212.2 | U/P |
| 23.233 | 0.1826 | 0.0000 | 92.594 | 1.68715 | 0.00000 | 285874.2 | 112906.6 | 40212.2 | U/P |
| 23.242 | 0.1791 | 0.0000 | 92.592 | 1.68681 | 0.00000 | 285879.6 | 112957.3 | 40212.2 | U/P |
| 23.250 | 0.1759 | 0.0000 | 92.591 | 1.68647 | 0.00000 | 285884.9 | 113007.9 | 40212.2 | U/P |
| 23.258 | 0.1732 | 0.0000 | 92.589 | 1.68613 | 0.00000 | 285890.2 | 113058.4 | 40212.2 | U/P |
| 23.267 | 0.1708 | 0.0000 | 92.588 | 1.68579 | 0.00000 | 285895.3 | 113109.0 | 40212.2 | U/P |
| 23.275 | 0.1686 | 0.0000 | 92.586 | 1.68546 | 0.00000 | 285900.4 | 113159.6 | 40212.2 | U/P |
| 23.283 | 0.1667 | 0.0000 | 92.585 | 1.68512 | 0.00000 | 285905.5 | 113210.1 | 40212.2 | U/P |
| 23.292 | 0.1650 | 0.0000 | 92.583 | 1.68477 | 0.00000 | 285910.4 | 113260.7 | 40212.2 | U/P |
| 23.300 | 0.1635 | 0.0000 | 92.582 | 1.68443 | 0.00000 | 285915.4 | 113311.2 | 40212.2 | U/P |
| 23.308 | 0.1622 | 0.0000 | 92.580 | 1.68409 | 0.00000 | 285920.3 | 113361.8 | 40212.2 | U/P |
| 23.317 | 0.1610 | 0.0000 | 92.578 | 1.68375 | 0.00000 | 285925.1 | 113412.3 | 40212.2 | U/P |
| 23.325 | 0.1600 | 0.0000 | 92.577 | 1.68341 | 0.00000 | 285929.9 | 113462.8 | 40212.2 | U/P |
| 23.333 | 0.1591 | 0.0000 | 92.575 | 1.68307 | 0.00000 | 285934.7 | 113513.3 | 40212.2 | U/P |
| 23.342 | 0.1583 | 0.0000 | 92.574 | 1.68272 | 0.00000 | 285939.5 | 113563.8 | 40212.2 | U/P |
| 23.350 | 0.1576 | 0.0000 | 92.572 | 1.68238 | 0.00000 | 285944.2 | 113614.3 | 40212.2 | U/P |
| 23.358 | 0.1569 | 0.0000 | 92.571 | 1.68204 | 0.00000 | 285948.9 | 113664.7 | 40212.2 | U/P |
| 23.367 | 0.1564 | 0.0000 | 92.569 | 1.68170 | 0.00000 | 285953.6 | 113715.2 | 40212.2 | U/P |
| 23.375 | 0.1559 | 0.0000 | 92.567 | 1.68135 | 0.00000 | 285958.3 | 113765.6 | 40212.2 | U/P |
| 23.383 | 0.1554 | 0.0000 | 92.566 | 1.68101 | 0.00000 | 285963.0 | 113816.1 | 40212.2 | U/P |
| 23.392 | 0.1550 | 0.0000 | 92.564 | 1.68067 | 0.00000 | 285967.6 | 113866.5 | 40212.2 | U/P |
| 23.400 | 0.1547 | 0.0000 | 92.563 | 1.68033 | 0.00000 | 285972.3 | 113916.9 | 40212.2 | U/P |
| 23.408 | 0.1544 | 0.0000 | 92.561 | 1.67998 | 0.00000 | 285976.9 | 113967.3 | 40212.2 | U/P |
| 23.417 | 0.1541 | 0.0000 | 92.559 | 1.67964 | 0.00000 | 285981.5 | 114017.7 | 40212.2 | U/P |
| 23.425 | 0.1539 | 0.0000 | 92.558 | 1.67930 | 0.00000 | 285986.2 | 114068.1 | 40212.2 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $4100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{3 / s}$ ) | Outside Recharge (fiday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overfiow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumułative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 23.433 | 0.1537 | 0.0000 | 92.556 | 1.67895 | 0.00000 | 285990.8 | 114118.5 | 40212.2 | U/P |
| 23.442 | 0.1535 | 0.0000 | 92.555 | 1.67861 | 0.00000 | 285995.4 | 114168.8 | 40212.2 | U/P |
| 23.450 | 0.1533 | 0.0000 | 92.553 | 1.67827 | 0.00000 | 286000.0 | 114219.2 | 40212.2 | U/P |
| 23.458 | 0.1531 | 0.0000 | 92.552 | 1.67792 | 0.00000 | 286004.6 | 114269.5 | 40212.2 | U/P |
| 23.467 | 0.1530 | 0.0000 | 92.550 | 1.67758 | 0.00000 | 286009.2 | 114319.8 | 40212.2 | U/P |
| 23.475 | 0.1529 | 0.0000 | 92.548 | 1.67724 | 0.00000 | 286013.8 | 114370.2 | 40212.2 | U/P |
| 23.483 | 0.1528 | 0.0000 | 92.547 | 1.67689 | 0.00000 | 286018.3 | 114420.5 | 40212.2 | U/P |
| 23.492 | 0.1527 | 0.0000 | 92.545 | 1.67655 | 0.00000 | 286022.9 | 114470.8 | 40212.2 | U/P |
| 23.500 | 0.1526 | 0.0000 | 92.544 | 1.67621 | 0.00000 | 286027.5 | 114521.1 | 40212.2 | U/P |
| 23.508 | 0.1525 | 0.0000 | 92.542 | 1.67586 | 0.00000 | 286032.1 | 114571.4 | 40212.2 | U/P |
| 23.517 | 0.1525 | 0.0000 | 92.541 | 1.67552 | 0.00000 | 286036.7 | 114621.6 | 40212.2 | U/P |
| 23.525 | 0.1524 | 0.0000 | 92.539 | 1.67518 | 0.00000 | 286041.2 | 114671.9 | 40212.2 | U/P |
| 23.533 | 0.1524 | 0.0000 | 92.537 | 1.67483 | 0.00000 | 286045.8 | 114722.1 | 40212.2 | U/P |
| 23.542 | 0.1524 | 0.0000 | 92.536 | 1.67449 | 0.00000 | 286050.4 | 114772.4 | 40212.2 | U/P |
| 23.550 | 0.1524 | 0.0000 | 92.534 | 1.67414 | 0.00000 | 286054.9 | 114822.6 | 40212.2 | U/P |
| 23.558 | 0.1524 | 0.0000 | 92.533 | 1.67380 | 0.00000 | 286059.5 | 114872.8 | 40212.2 | U/P |
| 23.567 | 0.1524 | 0.0000 | 92.531 | 1.67346 | 0.00000 | 286064.1 | 114923.0 | 40212.2 | U/P |
| 23.575 | 0.1524 | 0.0000 | 92.530 | 1.67311 | 0.00000 | 286068.7 | 114973.2 | 40212.2 | U/P |
| 23.583 | 0.1524 | 0.0000 | 92.528 | 1.67277 | 0.00000 | 286073.3 | 115023.4 | 40212.2 | U/P |
| 23.592 | 0.1524 | 0.0000 | 92.526 | 1.67243 | 0.00000 | 286077.8 | 115073.6 | 40212.2 | U/P |
| 23.600 | 0.1524 | 0.0000 | 92.525 | 1.67208 | 0.00000 | 286082.4 | 115123.8 | 40212.2 | U/P |
| 23,608 | 0.1523 | 0.0000 | 92.523 | 1.67174 | 0.00000 | 286086.9 | 115173.9 | 40212.2 | U/P |
| 23.617 | 0.1523 | 0.0000 | 92.522 | 1.67140 | 0.00000 | 286091.5 | 115224.1 | 40212.2 | U/P |
| 23.625 | 0.1523 | 0.0000 | 92.520 | 1.67105 | 0.00000 | 286096.1 | 115274.2 | 40212.2 | U/P |
| 23.633 | 0.1523 | 0.0000 | 92.518 | 1.67071 | 0.00000 | 286100.7 | 115324.3 | 40212.2 | U/P |
| 23.642 | 0.1523 | 0.0000 | 92.517 | 1.67037 | 0.00000 | 286105.2 | 115374.4 | 40212.2 | U/P |
| 23.650 | 0.1523 | 0.0000 | 92.515 | 1.67002 | 0.00000 | 286109.8 | 115424.5 | 40212.2 | U/P |
| 23.658 | 0.1523 | 0.0000 | 92.514 | 1.66968 | 0.00000 | 286114.4 | 115474.6 | 40212.2 | U/P |
| 23.667 | 0.1523 | 0.0000 | 92.512 | 1.66934 | 0.00000 | 286118.9 | 115524.7 | 40212.2 | U/P |
| 23.675 | 0.1523 | 0.0000 | 92.511 | 1.66899 | 0.00000 | 286123.5 | 115574.8 | 40212.2 | U/P |
| 23.683 | 0.1523 | 0.0000 | 92.509 | 1.66865 | 0.00000 | 286128.1 | 115624.9 | 40212.2 | U/P |
| 23.692 | 0.1523 | 0.0000 | 92.507 | 1.66831 | 0.00000 | 286132.6 | 115674.9 | 40212.2 | U/P |
| 23.700 | 0.1523 | 0.0000 | 92.506 | 1.66796 | 0.00000 | 286137.2 | 115725.0 | 40212.2 | U/P |
| 23.708 | 0.1523 | 0.0000 | 92.504 | 1.66762 | 0.00000 | 286141.8 | 115775.0 | 40212.2 | U/P |
| 23.717 | 0.1523 | 0.0000 | 92.503 | 1.66728 | 0.00000 | 286146.3 | 115825.0 | 40212.2 | U/P |
| 23.725 | 0.1523 | 0.0000 | 92.501 | 1.66693 | 0.00000 | 286150.9 | 115875.0 | 40212.2 | U/P |
| 23.733 | 0.1523 | 0.0000 | 92.500 | 1.66659 | 0.00000 | 286155.5 | 115925.0 | 40212.2 | U/P |
| 23.742 | 0.1523 | 0.0000 | 92.498 | 1.66625 | 0.00000 | 286160.0 | 115975.0 | 40212.2 | U/P |
| 23.750 | 0.1523 | 0.0000 | 92.496 | 1.66590 | 0.00000 | 286164.6 | 116025.0 | 40212.2 | U/P |
| 23.758 | 0.1523 | 0.0000 | 92.495 | 1.66556 | 0.00000 | 286169.2 | 116075.0 | 40212.2 | U/P |
| 23.767 | 0.1523 | 0.0000 | 92.493 | 1.66522 | 0.00000 | 286173.8 | 116125.0 | 40212.2 | U/P |
| 23.775 | 0.1523 | 0.0000 | 92.492 | 1.66487 | 0.00000 | 286178.3 | 116174.9 | 40212.2 | U/P |
| 23.783 | 0.1523 | 0.0000 | 92.490 | 1.66453 | 0.00000 | 286182.9 | 116224.8 | 40212.2 | U/P |
| 23.792 | 0.1523 | 0.0000 | 92.488 | 1.66419 | 0.00000 | 286187.5 | 116274.8 | 40212.2 | U/P |
| 23.800 | 0.1523 | 0.0000 | 92.487 | 1.66384 | 0.00000 | 286192.0 | 116324.7 | 40212.2 | U/P |
| 23.808 | 0.1523 | 0.0000 | 92.485 | 1.66350 | 0.00000 | 286196.6 | 116374.6 | 40212.2 | U/P |
| 23.817 | 0.1523 | 0.0000 | 92.484 | 1.66316 | 0.00000 | 286201.2 | 116424.5 | 40212.2 | U/P |
| 23.825 | 0.1523 | 0.0000 | 92.482 | 1.66281 | 0.00000 | 286205.7 | 116474.4 | 40212.2 | U/P |
| 23.833 | 0.1523 | 0.0000 | 92.481 | 1.66247 | 0.00000 | 286210.3 | 116524.3 | 40212.2 | U/P |
| 23.842 | 0.1523 | 0.0000 | 92.479 | 1.66213 | 0.00000 | 286214.8 | 116574.1 | 40212.2 | U/P |
| 23.850 | 0.1523 | 0.0000 | 92.477 | 1.66178 | 0.00000 | 286219.4 | \$16624.0 | 40212.2 | U/P |
| 23.858 | 0.1523 | 0.0000 | 92.476 | 1.66144 | 0.00000 | 286224.0 | 116673.8 | 40212.2 | U/P |
| 23.867 | 0.1523 | 0.0000 | 92.474 | 1.66110 | 0.00000 | 286228.6 | 116723.7 | 40212.2 | U/P |
| 23.875 | 0.1522 | 0.0000 | 92.473 | 1.66075 | 0.00000 | 286233.1 | 116773.5 | 40212.2 | U/P |
| 23.883 | 0.1522 | 0.0000 | 92.471 | 1.66041 | 0.00000 | 286237.7 | 116823.3 | 40212.2 | U/P |
| 23.892 | 0.1522 | 0.0000 | 92.470 | 1.66007 | 0.00000 | 286242.3 | 116873.1 | 40212.2 | U/P |
| 23.900 | 0.1522 | 0.0000 | 92.468 | 1.65972 | 0.00000 | 286246.8 | 116922.9 | 40212.2 | U/P |
| 23.908 | 0.1522 | 0.0000 | 92.466 | 1.65938 | 0.00000 | 286251.4 | 116972.7 | 40212.2 | U/P |
| 23.917 | 0.1522 | 0.0000 | 92.465 | 1.65904 | 0.00000 | 286256.0 | 117022.5 | 40212.2 | U/P |
| 23.925 | 0.1522 | 0.0000 | 92.463 | 1.65869 | 0.00000 | 286260.5 | 117072.3 | 40212.2 | U/P |
| 23.933 | 0.1522 | 0.0000 | 92.462 | 1.65835 | 0.00000 | 286265.1 | 117122.0 | 40212.2 | U/P |
| 23.942 | 0.1522 | 0.0000 | 92.460 | 1.65801 | 0.00000 | 286269.7 | 117171.8 | 40212.2 | U/P |
| 23.950 | 0.1522 | 0.0000 | 92.459 | 1.65766 | 0.00000 | 286274.3 | 117221.5 | 40212.2 | U/P |
| 23.958 | 0.1522 | 0.0000 | 92.457 | 1.65732 | 0.00000 | 286278.8 | 117271.2 | 40212.2 | U/P |
| 23.967 | 0.1522 | 0.0000 | 92.455 | 1.65698 | 0.00000 | 286283.4 | 117320.9 | 40212.2 | U/P |
| 23.975 | 0.1522 | 0.0000 | 92.454 | 1.65663 | 0.00000 | 286287.9 | 117370.6 | 40212.2 | U/P |
| 23.983 | 0.1522 | 0.0000 | 92.452 | 1.65629 | 0.00000 | 286292.5 | 117420.3 | 40212.2 | U/P |
| 23.992 | 0.1522 | 0.0000 | 92.451 | 1.65595 | 0.00000 | 286297.1 | 117470.0 | 40212.2 | U/P |
| 24.000 | 0.1522 | 0.0000 | 92.449 | 1.65560 | 0.00000 | 286301.6 | 117519.7 | 40212.2 | U/P |
| 24.008 | 0.1521 | 0.0000 | 92.447 | 1.65526 | 0.00000 | 286306.2 | 117569.4 | 40212.2 | U/P |
| 24.017 | 0.1515 | 0.0000 | 92.446 | 1.65492 | 0.00000 | 286310.8 | 117619.0 | 40212.2 | U/P |
| 24.025 | 0.1505 | 0.0000 | 92.444 | 1.65457 | 0.00000 | 286315.3 | 117668.6 | 40212.2 | U/P |
| 24.033 | 0.1488 | 0.0000 | 92.443 | 1.65423 | 0.00000 | 286319.8 | 117718.3 | 40212.2 | U/P |
| 24.042 | 0.1464 | 0.0000 | 92.441 | 1.65389 | 0.00000 | 286324.2 | 117767.9 | 40212.2 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $4100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3 / 3} \mathrm{~s}$ ) | Outside Recharge (fl/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ff}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 24.050 | 0.1431 | 0.0000 | 92.440 | 1.65354 | 0.00000 | 286328.6 | 117817.5 | 40212.2 | U/P |
| 24.058 | 0.1387 | 0.0000 | 92.438 | 1.65320 | 0.00000 | 286332.8 | 117867.1 | 40212.2 | U/P |
| 24.067 | 0.1330 | 0.0000 | 92.436 | 1.65285 | 0.00000 | 286336.8 | 117916.7 | 40212.2 | U/P |
| 24.075 | 0.1264 | 0.0000 | 92.435 | 1.65250 | 0.00000 | 286340.8 | 117966.3 | 40212.2 | U/P |
| 24.083 | 0.1189 | 0.0000 | 92.433 | 1.65215 | 0.00000 | 286344.4 | 118015.9 | 40212.2 | U/P |
| 24.092 | 0.1108 | 0.0000 | 92.432 | 1.65180 | 0.00000 | 286347.9 | 118065.4 | 40212.2 | U/P |
| 24.100 | 0.1024 | 0.0000 | 92.430 | 1.65145 | 0.00000 | 286351.1 | 118115.0 | 40212.2 | U/P |
| 24.108 | 0.0938 | 0.0000 | 92.428 | 1.65110 | 0.00000 | 286354.0 | 118164.5 | 40212.2 | U/P |
| 24.117 | 0.0853 | 0.0000 | 92.427 | 1.65074 | 0.00000 | 286356.7 | 118214.0 | 40212.2 | U/P |
| 24.125 | 0.0770 | 0.0000 | 92.425 | 1.65038 | 0.00000 | 286359.1 | 118263.5 | 40212.2 | U/P |
| 24.133 | 0.0691 | 0.0000 | 92.423 | 1.65002 | 0.00000 | 286361.3 | 118313.1 | 40212.2 | U/P |
| 24.142 | 0.0616 | 0.0000 | 92.422 | 1.64966 | 0.00000 | 286363.3 | 118362.5 | 40212.2 | U/P |
| 24.150 | 0.0545 | 0.0000 | 92.420 | 1.64930 | 0.00000 | 286365.0 | 118412.0 | 40212.2 | U/P |
| 24.158 | 0.0481 | 0.0000 | 92.418 | 1.64893 | 0.00000 | 286366.6 | 118461.5 | 40212.2 | U/P |
| 24.167 | 0.0423 | 0.0000 | 92.417 | 1.64856 | 0.00000 | 286367.9 | 118511.0 | 40212.2 | U/P |
| 24.175 | 0.0372 | 0.0000 | 92.415 | 1.64820 | 0.00000 | 286369.1 | 118560.4 | 40212.2 | U/P |
| 24.183 | 0.0329 | 0.0000 | 92.413 | 1.64783 | 0.00000 | 286370.2 | 118609.9 | 40212.2 | U/P |
| 24.192 | 0.0291 | 0.0000 | 92.412 | 1.64746 | 0.00000 | 286371.1 | 118659.3 | 40212.2 | U/P |
| 24.200 | 0.0258 | 0.0000 | 92.410 | 1.64708 | 0.00000 | 286371.9 | \$18708.7 | 40212.2 | U/P |
| 24.208 | 0.0228 | 0.0000 | 92.408 | 1.64671 | 0.00000 | 286372.7 | 118758.1 | 40212.2 | U/P |
| 24.217 | 0.0202 | 0.0000 | 92.406 | 1.64634 | 0.00000 | 286373.3 | 118807.5 | 40212.2 | U/P |
| 24.225 | 0.0179 | 0.0000 | 92.405 | 1.64597 | 0.00000 | 286373.9 | 118856.9 | 40212.2 | U/P |
| 24.233 | 0.0158 | 0.0000 | 92.403 | 1.64559 | 0.00000 | 286374.4 | 118906.3 | 40212.2 | U/P |
| 24.242 | 0.0140 | 0.0000 | 92.401 | 1.64522 | 0.00000 | 286374.8 | 118955.6 | 40212.2 | U/P |
| 24.250 | 0.0123 | 0.0000 | 92.400 | 1.64484 | 0.00000 | 286375.2 | 119005.0 | 40212.2 | U/P |
| 24.258 | 0.0109 | 0.0000 | 92.398 | 1.64447 | 0.00000 | 286375.6 | 119054.3 | 40212.2 | U/P |
| 24.267 | 0.0096 | 0.0000 | 92.396 | 1.64409 | 0.00000 | 286375.9 | 119103.6 | 40212.2 | U/P |
| 24.275 | 0.0085 | 0.0000 | 92.394 | 1.64372 | 0.00000 | 286376.1 | 119153.0 | 40212.2 | U/P |
| 24.283 | 0.0075 | 0.0000 | 92.393 | 1.64334 | 0.00000 | 286376.4 | 119202.3 | 40212.2 | U/P |
| 24.292 | 0.0066 | 0.0000 | 92.391 | 1.64297 | 0.00000 | 286376.6 | 119251.6 | 40212.2 | U/P |
| 24.300 | 0.0058 | 0.0000 | 92.389 | 1.64259 | 0.00000 | 286376.8 | 119300.9 | 40212.2 | U/P |
| 24.308 | 0.0051 | 0.0000 | 92.387 | 1.64221 | 0.00000 | 286376.9 | 119350.1 | 40212.2 | U/P |
| 24.317 | 0.0045 | 0.0000 | 92.386 | 1.64184 | 0.00000 | 286377.1 | 119399.4 | 40212.2 | U/P |
| 24.325 | 0.0040 | 0.0000 | 92.384 | 1.64146 | 0.00000 | 286377.2 | 119448.6 | 40212.2 | U/P |
| 24.333 | 0.0035 | 0.0000 | 92.382 | 1.64108 | 0.00000 | 286377.3 | 119497.9 | 40212.2 | U/P |
| 24.342 | 0.0031 | 0.0000 | 92.381 | 1.64070 | 0.00000 | 286377.4 | 119547.1 | 40212.2 | U/P |
| 24.350 | 0.0027 | 0.0000 | 92.379 | 1.64033 | 0.00000 | 286377.5 | 119596.3 | 40212.2 | U/P |
| 24.358 | 0.0024 | 0.0000 | 92.377 | 1.63995 | 0.00000 | 286377.6 | \$19645.5 | 40212.2 | U/P |
| 24.367 | 0.0021 | 0.0000 | 92.375 | 1.63957 | 0.00000 | 286377.7 | 119694.7 | 40212.2 | U/P |
| 24.375 | 0.0018 | 0.0000 | 92.374 | 1.63920 | 0.00000 | 286377.7 | 119743.9 | 40212.2 | U/P |
| 24.383 | 0.0016 | 0.0000 | 92.372 | 1.63882 | 0.00000 | 286377.8 | 119793.1 | 40212.2 | U/P |
| 24.392 | 0.0014 | 0.0000 | 92.370 | 1.63844 | 0.00000 | 286377.8 | 119842.2 | 40212.2 | U/P |
| 24.400 | 0.0012 | 0.0000 | 92.368 | 1.63806 | 0.00000 | 286377.8 | 119891.4 | 40212.2 | U/P |
| 24.408 | 0.0011 | 0.0000 | 92.367 | 1.63769 | 0.00000 | 286377.9 | 119940.5 | 40212.2 | U/P |
| 24.417 | 0.0009 | 0.0000 | 92.365 | 1.63731 | 0.00000 | 286377.9 | 119989.6 | 40212.2 | U/P |
| 24.425 | 0.0008 | 0.0000 | 92.363 | 1.63693 | 0.00000 | 286377.9 | 120038.7 | 40212.2 | U/P |
| 24.433 | 0.0007 | 0.0000 | 92.361 | 1.63655 | 0.00000 | 286378.0 | 120087.8 | 40212.2 | U/P |
| 24.442 | 0.0006 | 0.0000 | 92.360 | 1.63617 | 0.00000 | 286378.0 | 120136.9 | 40212.2 | U/P |
| 24.450 | 0.0005 | 0.0000 | 92.358 | 1.63580 | 0.00000 | 286378.0 | 120186.0 | 40212.2 | U/P |
| 24.458 | 0.0004 | 0.0000 | 92.356 | 1.63542 | 0.00000 | 286378.0 | 120235.1 | 40212.2 | U/P |
| 24.467 | 0.0003 | 0.0000 | 92.354 | 1.63504 | 0.00000 | 286378.0 | 120284.1 | 40212.2 | U/P |
| 24.475 | 0.0003 | 0.0000 | 92.353 | 1.63466 | 0.00000 | 286378.0 | 120333.2 | 40212.2 | U/P |
| 24.483 | 0.0002 | 0.0000 | 92.351 | 1.63429 | 0.00000 | 286378.0 | 120382.2 | 40212.2 | U/P |
| 24.492 | 0.0002 | 0.0000 | 92.349 | 1.63391 | 0.00000 | 286378.0 | 120431.2 | 40212.2 | U/P |
| 24.500 | 0.0001 | 0.0000 | 92.348 | 1.63353 | 0.00000 | 286378.0 | 120480.3 | 40212.2 | U/P |
| 24.508 | 0.0001 | 0.0000 | 92.346 | 1.63315 | 0.00000 | 286378.0 | 120529.3 | 40212.2 | U/P |
| 24.517 | 0.0001 | 0.0000 | 92.344 | 1.63277 | 0.00000 | 286378.1 | 120578.2 | 40212.2 | U/P |
| 24.525 | 0.0000 | 0.0000 | 92.342 | 1.63240 | 0.00000 | 286378.1 | 120627.2 | 40212.2 | U/P |
| 24.533 | 0.0000 | 0.0000 | 92.341 | 1.63202 | 0.00000 | 286378.1 | 120676.2 | 40212.2 | U/P |
| 24.542 | 0.0000 | 0.0000 | 92.339 | 1.63164 | 0.00000 | 286378.1 | 120725.1 | 40212.2 | U/P |
| 24.550 | 0.0000 | 0.0000 | 92.337 | 1.63126 | 0.00000 | 286378.1 | 120774.1 | 40212.2 | U/P |
| 24.558 | 0.0000 | 0.0000 | 92.335 | 1.63088 | 0.00000 | 286378.1 | 120823.0 | 40212.2 | U/P |
| 24.567 | 0.0000 | 0.0000 | 92.334 | 1.63051 | 0.00000 | 286378.1 | 120871.9 | 40212.2 | U/P |
| 24.575 | 0.0000 | 0.0000 | 92.332 | 1.63013 | 0.00000 | 286378.1 | 120920.9 | 40212.2 | U/P |
| 24.583 | 0.0000 | 0.0000 | 92.330 | 1.62975 | 0.00000 | 286378.1 | 120969.8 | 40212.2 | U/P |
| 24.592 | 0.0000 | 0.0000 | 92.328 | 1.62937 | 0.00000 | 286378.1 | 121018.6 | 40212.2 | U/P |
| 24.600 | 0.0000 | 0.0000 | 92.327 | 1.62899 | 0.00000 | 286378.1 | 121067.5 | 40212.2 | U/P |
| 24.608 | 0.0000 | 0.0000 | 92.325 | 1.62862 | 0.00000 | 286378.1 | 121116.4 | 40212.2 | U/P |
| 24.617 | 0.0000 | 0.0000 | 92.323 | 1.62824 | 0.00000 | 286378.1 | 121165.2 | 40212.2 | U/P |
| 24.625 | 0.0000 | 0.0000 | 92.322 | 1.62786 | 0.00000 | 286378.1 | 121214.1 | 40212.2 | U/P |
| 24.633 | 0.0000 | 0.0000 | 92.320 | 1.62748 | 0.00000 | 286378.1 | 121262.9 | 40212.2 | U/P |
| 24.642 | 0.0000 | 0.0000 | 92.318 | 1.62711 | 0.00000 | 286378.1 | 121311.7 | 40212.2 | U/P |
| 24.650 | 0.0000 | 0.0000 | 92.316 | 1.62673 | 0.00000 | 286378.1 | 121360.5 | 40212.2 | U/P |
| 24.658 | 0.0000 | 0.0000 | 92.315 | 1.62635 | 0.00000 | 286378.1 | 121409.3 | 40212.2 | U/P |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: Pond $4100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (fuday) | Stage Elevation (ft datum) | Infiltration Rate (fi3/s) | Overflow Discharge ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{t}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{K}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 24.667 | 0.0000 | 0.0000 | 92.313 | 1.62597 | 0.00000 | 286378.1 | 121458.1 | 40212.2 | U/P |
| 24.675 | 0.0000 | 0.0000 | 92.311 | 1.62559 | 0.00000 | 286378.1 | 121506.9 | 40212.2 | U/P |
| 24.683 | 0.0000 | 0.0000 | 92.309 | 1.62522 | 0.00000 | 286378.1 | 121555.6 | 40212.2 | U/P |
| 24.692 | 0.0000 | 0.0000 | 92.308 | 1.62484 | 0.00000 | 286378.1 | 121604.4 | 40212.2 | U/P |
| 24.700 | 0.0000 | 0.0000 | 92.306 | 1.62446 | 0.00000 | 286378.1 | 121653.1 | 40212.2 | U/P |
| 24.708 | 0.0000 | 0.0000 | 92.304 | 1.62408 | 0.00000 | 286378.1 | 121701.9 | 40212.2 | U/P |
| 24.717 | 0.0000 | 0.0000 | 92.302 | 1.62370 | 0.00000 | 286378.1 | 121750.6 | 40212.2 | U/P |
| 24.725 | 0.0000 | 0.0000 | 92.301 | 1.62333 | 0.00000 | 286378.1 | 121799.3 | 40212.2 | U/P |
| 24.733 | 0.0000 | 0.0000 | 92.299 | 1.62295 | 0.00000 | 286378.1 | 121848.0 | 40212.2 | U/P |
| 24.742 | 0.0000 | 0.0000 | 92.297 | 1.62257 | 0.00000 | 286378.1 | 121896.7 | 40212.2 | U/P |
| 24.750 | 0.0000 | 0.0000 | 92.295 | 1.62219 | 0.00000 | 286378.1 | 121945.3 | 40212.2 | U/P |
| 24.758 | 0.0000 | 0.0000 | 92.294 | 1.62181 | 0.00000 | 286378.1 | 121994.0 | 40212.2 | U/P |
| 24.767 | 0.0000 | 0.0000 | 92.292 | 1.62144 | 0.00000 | 286378.1 | 122042.6 | 40212.2 | U/P |
| 24.775 | 0.0000 | 0.0000 | 92.290 | 1.62106 | 0.00000 | 286378.1 | 122091.3 | 40212.2 | U/P |
| 24.783 | 0.0000 | 0.0000 | 92.289 | 1.62068 | 0.00000 | 286378.1 | 122139.9 | 40212.2 | U/P |
| 24.792 | 0.0000 | 0.0000 | 92.287 | 1.62030 | 0.00000 | 286378.1 | 122188.5 | 40212.2 | U/P |
| 24.800 | 0.0000 | 0.0000 | 92.285 | 1.61993 | 0.00000 | 286378.1 | 122237.1 | 40212.2 | U/P |
| 24.808 | 0.0000 | 0.0000 | 92.283 | 1.61955 | 0.00000 | 286378.1 | 122285.7 | 40212.2 | U/P |
| 24.817 | 0.0000 | 0.0000 | 92.282 | 1.61917 | 0.00000 | 286378.1 | 122334.3 | 40212.2 | U/P |
| 24.825 | 0.0000 | 0.0000 | 92.280 | 1.61879 | 0.00000 | 286378.1 | 122382.9 | 40212.2 | U/P |
| 24.833 | 0.0000 | 0.0000 | 92.278 | 1.61841 | 0.00000 | 286378.1 | 122431.4 | 40212.2 | U/P |
| 24.842 | 0.0000 | 0.0000 | 92.276 | 1.61804 | 0.00000 | 286378.1 | 122480.0 | 40212.2 | U/P |
| 24.850 | 0.0000 | 0.0000 | 92.275 | 1.61766 | 0.00000 | 286378.1 | 122528.5 | 40212.2 | U/P |
| 24.858 | 0.0000 | 0.0000 | 92.273 | 1.61728 | 0.00000 | 286378.1 | 122577.0 | 40212.2 | U/P |
| 24.867 | 0.0000 | 0.0000 | 92.271 | 1.61690 | 0.00000 | 286378.1 | 122625.5 | 40212.2 | U/P |
| 24.875 | 0.0000 | 0.0000 | 92.269 | 1.61652 | 0.00000 | 286378.1 | 122674.0 | 40212.2 | U/P |
| 24.883 | 0.0000 | 0.0000 | 92.268 | 1.61615 | 0.00000 | 286378.1 | 122722.5 | 40212.2 | U/P |
| 24.892 | 0.0000 | 0.0000 | 92.266 | 1.61577 | 0.00000 | 286378.1 | 122771.0 | 40212.2 | U/P |
| 24.900 | 0.0000 | 0.0000 | 92.264 | 1.61539 | 0.00000 | 286378.1 | 122819.5 | 40212.2 | U/P |
| 24.908 | 0.0000 | 0.0000 | 92.262 | 1.61501 | 0.00000 | 286378.1 | 122867.9 | 40212.2 | U/P |
| 24.917 | 0.0000 | 0.0000 | 92.261 | 1.61463 | 0.00000 | 286378.1 | 122916.4 | 40212.2 | U/P |
| 24.925 | 0.0000 | 0.0000 | 92.259 | 1.61426 | 0.00000 | 286378.1 | 122964.8 | 40212.2 | U/P |
| 24.933 | 0.0000 | 0.0000 | 92.257 | 1.61388 | 0.00000 | 286378.1 | 123013.2 | 40212.2 | U/P |
| 24.942 | 0.0000 | 0.0000 | 92.256 | 1.61350 | 0.00000 | 286378.1 | 123061.6 | 40212.2 | U/P |
| 24.950 | 0.0000 | 0.0000 | 92.254 | 1.61312 | 0.00000 | 286378.1 | 123110.0 | 40212.2 | U/P |
| 24.958 | 0.0000 | 0.0000 | 92.252 | 1.61274 | 0.00000 | 286378.1 | 123158.4 | 40212.2 | U/P |
| 24.967 | 0.0000 | 0.0000 | 92.250 | 1.61237 | 0.00000 | 286378.1 | 123206.8 | 40212.2 | U/P |
| 24.975 | 0.0000 | 0.0000 | 92.249 | 1.61199 | 0.00000 | 286378.1 | 123255.2 | 40212.2 | U/P |
| 24.983 | 0.0000 | 0.0000 | 92.247 | 1.61161 | 0.00000 | 286378.1 | 123303.5 | 40212.2 | U/P |
| 24.992 | 0.0000 | 0.0000 | 92.245 | 1.61123 | 0.00000 | 286378.1 | 123351.9 | 40212.2 | U/P |
| 25.000 | 0.0000 | 0.0000 | 92.243 | 1.61086 | 0.00000 | 286378.1 | 123400.2 | 40212.2 | U/P |
| 25.008 | 0.0000 | 0.0000 | 92.242 | 1.61048 | 0.00000 | 286378.1 | 123448.5 | 40212.2 | U/P |
| 25.017 | 0.0000 | 0.0000 | 92.240 | 1.61010 | 0.00000 | 286378.1 | 123496.8 | 40212.2 | U/P |
| 25.025 | 0.0000 | 0.0000 | 92.238 | 1.60972 | 0.00000 | 286378.1 | 123545.1 | 40212.2 | U/P |
| 25.033 | 0.0000 | 0.0000 | 92.236 | 1.60934 | 0.00000 | 286378.1 | 123593.4 | 40212.2 | U/P |
| 25.042 | 0.0000 | 0.0000 | 92.235 | 1.60897 | 0.00000 | 286378.1 | 123641.7 | 40212.2 | U/P |
| 25.050 | 0.0000 | 0.0000 | 92.233 | 1.60859 | 0.00000 | 286378.1 | 123690.0 | 40212.2 | U/P |
| 25.058 | 0.0000 | 0.0000 | 92.231 | 1.60821 | 0.00000 | 286378.1 | 123738.2 | 40212.2 | U/P |
| 25.067 | 0.0000 | 0.0000 | 92.229 | 1.60783 | 0.00000 | 286378.1 | 123786.4 | 40212.2 | U/P |
| 25.075 | 0.0000 | 0.0000 | 92.228 | 1.60745 | 0.00000 | 286378.1 | 123834.7 | 40212.2 | U/P |
| 25.083 | 0.0000 | 0.0000 | 92.226 | 1.60708 | 0.00000 | 286378.1 | 123882.9 | 40212.2 | U/P |
| 25.092 | 0.0000 | 0.0000 | 92.224 | 1.60670 | 0.00000 | 286378.1 | 123931.1 | 40212.2 | U/P |
| 25.100 | 0.0000 | 0.0000 | 92.223 | 1.60632 | 0.00000 | 286378.1 | 123979.3 | 40212.2 | U/P |
| 25.108 | 0.0000 | 0.0000 | 92.221 | 1.60594 | 0.00000 | 286378.1 | 124027.5 | 40212.2 | U/P |
| 25.117 | 0.0000 | 0.0000 | 92.219 | 1.60556 | 0.00000 | 286378.1 | 124075.6 | 40212.2 | U/P |
| 25.125 | 0.0000 | 0.0000 | 92.217 | 1.60519 | 0.00000 | 286378.1 | 124123.8 | 40212.2 | U/P |
| 25.133 | 0.0000 | 0.0000 | 92.216 | 1.60481 | 0.00000 | 286378.1 | 124172.0 | 40212.2 | U/P |
| 25.142 | 0.0000 | 0.0000 | 92.214 | 1.60443 | 0.00000 | 286378.1 | 124220.1 | 40212.2 | U/P |
| 25.150 | 0.0000 | 0.0000 | 92.212 | 1.60405 | 0.00000 | 286378.1 | 124268.2 | 40212.2 | U/P |
| 25.158 | 0.0000 | 0.0000 | 92.210 | 1.60368 | 0.00000 | 286378.1 | 124316.3 | 40212.2 | U/P |
| 25.167 | 0.0000 | 0.0000 | 92.209 | 1.60330 | 0.00000 | 286378.1 | 124364.4 | 40212.2 | U/P |
| 25.175 | 0.0000 | 0.0000 | 92.207 | 1.60292 | 0.00000 | 286378.1 | 124412.5 | 40212.2 | U/P |
| 25.183 | 0.0000 | 0.0000 | 92.205 | 1.60254 | 0.00000 | 286378.1 | 124460.6 | 40212.2 | U/P |
| 25.192 | 0.0000 | 0.0000 | 92.203 | 1.60216 | 0.00000 | 286378.1 | 124508.7 | 40212.2 | U/P |
| 25.200 | 0.0000 | 0.0000 | 92.202 | 1.60179 | 0.00000 | 286378.1 | 124556.8 | 40212.2 | U/P |
| 25.208 | 0.0000 | 0.0000 | 92.200 | 1.60141 | 0.00000 | 286378.1 | 124604.8 | 40212.2 | U/P |
| 25.217 | 0.0000 | 0.0000 | 92.198 | 1.60103 | 0.00000 | 286378.1 | 124652.8 | 40212.2 | U/P |
| 25.225 | 0.0000 | 0.0000 | 92.196 | 1.60065 | 0.00000 | 286378.1 | 124700.9 | 40212.2 | U/P |
| 25.233 | 0.0000 | 0.0000 | 92.195 | 1.60027 | 0.00000 | 286378.1 | 124748.9 | 40212.2 | U/P |
| 25.242 | 0.0000 | 0.0000 | 92.193 | 1.59990 | 0.00000 | 286378.1 | 124796.9 | 40212.2 | U/P |
| 25.250 | 0.0000 | 0.0000 | 92.191 | 1.59952 | 0.00000 | 286378.1 | 124844.9 | 40212.2 | U/P |
| 25.258 | 0.0000 | 0.0000 | 92.190 | 1.59914 | 0.00000 | 286378.1 | 124892.9 | 40212.2 | U/P |
| 25.267 | 0.0000 | 0.0000 | 92.188 | 1.59876 | 0.00000 | 286378.1 | 124940.8 | 40212.2 | U/P |
| 25.275 | 0.0000 | 0.0000 | 92.186 | 1.59838 | 0.00000 | 286378.1 | 124988.8 | 40212.2 | U/P |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: Pond $4100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / 3} \mathrm{~s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate (f13/s) | Overflow Discharge ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume (fis) | Cumulative infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 25.283 | 0.0000 | 0.0000 | 92.184 | 1.59801 | 0.00000 | 286378.1 | 125036.7 | 40212.2 | U/P |
| 25.292 | 0.0000 | 0.0000 | 92.183 | 1.59763 | 0.00000 | 286378.1 | 125084.7 | 40212.2 | U/P |
| 25.300 | 0.0000 | 0.0000 | 92.181 | 1.59725 | 0.00000 | 286378.1 | 125132.6 | 40212.2 | U/P |
| 25.308 | 0.0000 | 0.0000 | 92.179 | 1.59687 | 0.00000 | 286378.1 | 125180.5 | 40212.2 | U/P |
| 25.317 | 0.0000 | 0.0000 | 92.177 | 1.59649 | 0.00000 | 286378.1 | 125228.4 | 40212.2 | U/P |
| 25.325 | 0.0000 | 0.0000 | 92.176 | 1.59612 | 0.00000 | 286378.1 | 125276.3 | 40212.2 | U/P |
| 25.333 | 0.0000 | 0.0000 | 92.174 | 1.59574 | 0.00000 | 286378.1 | 125324.2 | 40212.2 | U/P |
| 25.342 | 0.0000 | 0.0000 | 92.172 | 1.59536 | 0.00000 | 286378.1 | 125372.0 | 40212.2 | U/P |
| 25.350 | 0.0000 | 0.0000 | 92.170 | 1.59498 | 0.00000 | 286378.1 | 125419.9 | 40212.2 | U/P |
| 25.358 | 0.0000 | 0.0000 | 92.169 | 1.59461 | 0.00000 | 286378.1 | 125467.7 | 40212.2 | U/P |
| 25.367 | 0.0000 | 0.0000 | 92.167 | 1.59423 | 0.00000 | 286378.1 | 125515.6 | 40212.2 | U/P |
| 25.375 | 0.0000 | 0.0000 | 92.165 | 1.59385 | 0.00000 | 286378.1 | 125563.4 | 40212.2 | U/P |
| 25.383 | 0.0000 | 0.0000 | 92.164 | 1.59347 | 0.00000 | 286378.1 | 125611.2 | 40212.2 | U/P |
| 25.392 | 0.0000 | 0.0000 | 92.162 | 1.59309 | 0.00000 | 286378.1 | 125659.0 | 40212.2 | U/P |
| 25.400 | 0.0000 | 0.0000 | 92.160 | 1.59272 | 0.00000 | 286378.1 | 125706.8 | 40212.2 | U/P |
| 25.408 | 0.0000 | 0.0000 | 92.158 | 1.59234 | 0.00000 | 286378.1 | 125754.5 | 40212.2 | U/P |
| 25.417 | 0.0000 | 0.0000 | 92.157 | 1.59196 | 0.00000 | 286378.1 | 125802.3 | 40212.2 | U/P |
| 25.425 | 0.0000 | 0.0000 | 92.155 | 1.59158 | 0.00000 | 286378.1 | 125850.1 | 40212.2 | U/P |
| 25.433 | 0.0000 | 0.0000 | 92.153 | 1.59120 | 0.00000 | 286378.1 | 125897.8 | 40212.2 | U/P |
| 25.442 | 0.0000 | 0.0000 | 92.151 | 1.59083 | 0.00000 | 286378.1 | 125945.5 | 40212.2 | U/P |
| 25.450 | 0.0000 | 0.0000 | 92.150 | 1.59045 | 0.00000 | 286378.1 | 125993.3 | 40212.2 | U/P |
| 25.458 | 0.0000 | 0.0000 | 92.148 | 1.59007 | 0.00000 | 286378.1 | 126041.0 | 40212.2 | U/P |
| 25.467 | 0.0000 | 0.0000 | 92.146 | 1.58969 | 0.00000 | 286378.1 | 126088.7 | 40212.2 | U/P |
| 25.475 | 0.0000 | 0.0000 | 92.144 | 1.58931 | 0.00000 | 286378.1 | 126136.3 | 40212.2 | U/P |
| 25.483 | 0.0000 | 0.0000 | 92.143 | 1.58894 | 0.00000 | 286378.1 | 126184.0 | 40212.2 | U/P |
| 25.492 | 0.0000 | 0.0000 | 92.141 | 1.58856 | 0.00000 | 286378.1 | 126231.7 | 40212.2 | U/P |
| 25.500 | 0.0000 | 0.0000 | 92.139 | 1.58818 | 0.00000 | 286378.1 | 126279.3 | 40212.2 | U/P |
| 25.508 | 0.0000 | 0.0000 | 92.137 | 1.58780 | 0.00000 | 286378.1 | 126327.0 | 40212.2 | U/P |
| 25.517 | 0.0000 | 0.0000 | 92.136 | 1.58742 | 0.00000 | 286378.1 | 126374.6 | 40212.2 | U/P |
| 25.525 | 0.0000 | 0.0000 | 92.134 | 1.58705 | 0.00000 | 286378.1 | 126422.2 | 40212.2 | U/P |
| 25.533 | 0.0000 | 0.0000 | 92.132 | 1.58667 | 0.00000 | 286378.1 | 126469.8 | 40212.2 | U/P |
| 25.542 | 0.0000 | 0.0000 | 92.131 | 1.58629 | 0.00000 | 286378.1 | 126517.4 | 40212.2 | U/P |
| 25.550 | 0.0000 | 0.0000 | 92.129 | 1.58591 | 0.00000 | 286378.1 | 126565.0 | 40212.2 | U/P |
| 25.558 | 0.0000 | 0.0000 | 92.127 | 1.58554 | 0.00000 | 286378.1 | 126612.6 | 40212.2 | U/P |
| 25.567 | 0.0000 | 0.0000 | 92.125 | 1.58516 | 0.00000 | 286378.1 | 126660.1 | 40212.2 | U/P |
| 25.575 | 0.0000 | 0.0000 | 92.124 | 1.58478 | 0.00000 | 286378.1 | 126707.7 | 40212.2 | U/P |
| 25.583 | 0.0000 | 0.0000 | 92.122 | 1.58440 | 0.00000 | 286378.1 | 126755.2 | 40212.2 | U/P |
| 25.592 | 0.0000 | 0.0000 | 92.120 | 1.58402 | 0.00000 | 286378.1 | 126802.8 | 40212.2 | U/P |
| 25.600 | 0.0000 | 0.0000 | 92.118 | 1.58365 | 0.00000 | 286378.1 | 126850.3 | 40212.2 | U/P |
| 25.608 | 0.0000 | 0.0000 | 92.117 | 1.58327 | 0.00000 | 286378.1 | 126897.8 | 40212.2 | U/P |
| 25.617 | 0.0000 | 0.0000 | 92.115 | 1.58289 | 0.00000 | 286378.1 | 126945.3 | 40212.2 | U/P |
| 25.625 | 0.0000 | 0.0000 | 92.113 | 1.58251 | 0.00000 | 286378.1 | 126992.7 | 40212.2 | U/P |
| 25.633 | 0.0000 | 0.0000 | 92.111 | 1.58213 | 0.00000 | 286378.1 | 127040.2 | 40212.2 | U/P |
| 25.642 | 0.0000 | 0.0000 | 92.110 | 1.58176 | 0.00000 | 286378.1 | 127087.7 | 40212.2 | U/P |
| 25.650 | 0.0000 | 0.0000 | 92.108 | 1.58138 | 0.00000 | 286378.1 | 127135.1 | 40212.2 | U/P |
| 25.658 | 0.0000 | 0.0000 | 92.106 | 1.58100 | 0.00000 | 286378.1 | 127182.5 | 40212.2 | U/P |
| 25.667 | 0.0000 | 0.0000 | 92.104 | 1.58062 | 0.00000 | 286378.1 | 127230.0 | 40212.2 | U/P |
| 25.675 | 0.0000 | 0.0000 | 92.103 | 1.58024 | 0.00000 | 286378.1 | 127277.4 | 40212.2 | U/P |
| 25.683 | 0.0000 | 0.0000 | 92.101 | 1.57987 | 0.00000 | 286378.1 | 127324.8 | 40212.2 | U/P |
| 25.692 | 0.0000 | 0.0000 | 92.099 | 1.57949 | 0.00000 | 286378.1 | 127372.2 | 40212.2 | U/P |
| 25.700 | 0.0000 | 0.0000 | 92.098 | 1.57911 | 0.00000 | 286378.1 | 127419.6 | 40212.2 | U/P |
| 25.708 | 0.0000 | 0.0000 | 92.096 | 1.57873 | 0.00000 | 286378.1 | 127466.9 | 40212.2 | U/P |
| 25.717 | 0.0000 | 0.0000 | 92.094 | 1.57835 | 0.00000 | 286378.1 | 127514.3 | 40212.2 | U/P |
| 25.725 | 0.0000 | 0.0000 | 92.092 | 1.57798 | 0.00000 | 286378.1 | 127561.6 | 40212.2 | U/P |
| 25.733 | 0.0000 | 0.0000 | 92.091 | 1.57760 | 0.00000 | 286378.1 | 127609.0 | 40212.2 | U/P |
| 25.742 | 0.0000 | 0.0000 | 92.089 | 1.57722 | 0.00000 | 286378.1 | 127656.3 | 40212.2 | U/P |
| 25.750 | 0.0000 | 0.0000 | 92.087 | 1.57684 | 0.00000 | 286378.1 | 127703.6 | 40212.2 | U/P |
| 25.758 | 0.0000 | 0.0000 | 92.085 | 1.57647 | 0.00000 | 286378.1 | 127750.9 | 40212.2 | U/P |
| 25.767 | 0.0000 | 0.0000 | 92.084 | 1.57609 | 0.00000 | 286378.1 | 127798.2 | 40212.2 | U/P |
| 25.775 | 0.0000 | 0.0000 | 92.082 | 1.57571 | 0.00000 | 286378.1 | 127845.5 | 40212.2 | U/P |
| 25.783 | 0.0000 | 0.0000 | 92.080 | 1.57533 | 0.00000 | 286378.1 | 127892.7 | 40212.2 | U/P |
| 25.792 | 0.0000 | 0.0000 | 92.078 | 1.57495 | 0.00000 | 286378.1 | 127940.0 | 40212.2 | U/P |
| 25.800 | 0.0000 | 0.0000 | 92.077 | 1.57458 | 0.00000 | 286378.1 | 127987.2 | 40212.2 | U/P |
| 25.808 | 0.0000 | 0.0000 | 92.075 | 1.57420 | 0.00000 | 286378.1 | 128034.5 | 40212.2 | U/P |
| 25.817 | 0.0000 | 0.0000 | 92.073 | 1.57382 | 0.00000 | 286378.1 | 128081.7 | 40212.2 | U/P |
| 25.825 | 0.0000 | 0.0000 | 92.071 | 1.57344 | 0.00000 | 286378.1 | 128128.9 | 40212.2 | U/P |
| 25.833 | 0.0000 | 0.0000 | 92.070 | 1.57306 | 0.00000 | 286378.1 | 128176.1 | 40212.2 | U/P |
| 25.842 | 0.0000 | 0.0000 | 92.068 | 1.57269 | 0.00000 | 286378.1 | 128223.3 | 40212.2 | U/P |
| 25.850 | 0.0000 | 0.0000 | 92.066 | 1.57231 | 0.00000 | 286378.1 | 128270.4 | 40212.2 | U/P |
| 25.858 | 0.0000 | 0.0000 | 92.065 | 1.57193 | 0.00000 | 286378.1 | 128317.6 | 40212.2 | U/P |
| 25.867 | 0.0000 | 0.0000 | 92.063 | 1.57155 | 0.00000 | 286378.1 | 128364.8 | 40212.2 | U/P |
| 25.875 | 0.0000 | 0.0000 | 92.061 | 1.57117 | 0.00000 | 286378.1 | 128411.9 | 40212.2 | U/P |
| 25.883 | 0.0000 | 0.0000 | 92.059 | 1.57080 | 0.00000 | 286378.1 | 128459.0 | 40212.2 | U/P |
| 25.892 | 0.0000 | 0.0000 | 92.058 | 1.57042 | 0.00000 | 286378.1 | 128506.1 | 40212.2 | U/P |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: Pond $4100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Infiow Rate ( $\mathrm{ft} 3 / \mathrm{s}$ ) | Outside Recharge (f/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{fr}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{fl}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 25.900 | 0.0000 | 0.0000 | 92.056 | 1.57004 | 0.00000 | 286378.1 | 128553.3 | 40212.2 | U/P |
| 25.908 | 0.0000 | 0.0000 | 92.054 | 1.56966 | 0.00000 | 286378.1 | 128600.4 | 40212.2 | U/P |
| 25.917 | 0.0000 | 0.0000 | 92.052 | 1.56929 | 0.00000 | 286378.1 | 128647.4 | 40212.2 | U/P |
| 25.925 | 0.0000 | 0.0000 | 92.051 | 1.56891 | 0.00000 | 286378.1 | 128694.5 | 40212.2 | U/P |
| 25.933 | 0.0000 | 0.0000 | 92.049 | 1.56853 | 0.00000 | 286378.1 | 128741.6 | 40212.2 | U/P |
| 25.942 | 0.0000 | 0.0000 | 92.047 | 1.56815 | 0.00000 | 286378.1 | 128788.6 | 40212.2 | U/P |
| 25.950 | 0.0000 | 0.0000 | 92.045 | 1.56777 | 0.00000 | 286378.1 | 128835.7 | 40212.2 | U/P |
| 25.958 | 0.0000 | 0.0000 | 92.044 | 1.56740 | 0.00000 | 286378.1 | 128882.7 | 40212.2 | U/P |
| 25.967 | 0.0000 | 0.0000 | 92.042 | 1.56702 | 0.00000 | 286378.1 | 128929.7 | 40212.2 | U/P |
| 25.975 | 0.0000 | 0.0000 | 92.040 | 1.56664 | 0.00000 | 286378.1 | 128976.7 | 40212.2 | U/P |
| 25.983 | 0.0000 | 0.0000 | 92.038 | 1.56626 | 0.00000 | 286378.1 | 129023.7 | 40212.2 | U/P |
| 25.992 | 0.0000 | 0.0000 | 92.037 | 1.56588 | 0.00000 | 286378.1 | 129070.7 | 40212.2 | U/P |
| 26.000 | 0.0000 | 0.0000 | 92.035 | 1.56551 | 0.00000 | 286378.1 | 129117.6 | 40212.2 | U/P |
| 26.008 | 0.0000 | 0.0000 | 92.033 | 1.56513 | 0.00000 | 286378.1 | 129164.6 | 40212.2 | U/P |
| 26.017 | 0.0000 | 0.0000 | 92.032 | 1.56475 | 0.00000 | 286378.1 | 129211.6 | 40212.2 | U/P |
| 26.025 | 0.0000 | 0.0000 | 92.030 | 1.56437 | 0.00000 | 286378.1 | 129258.5 | 40212.2 | U/P |
| 26.033 | 0.0000 | 0.0000 | 92.028 | 1.56399 | 0.00000 | 286378.1 | 129305.4 | 40212.2 | U/P |
| 26.042 | 0.0000 | 0.0000 | 92.026 | 1.56362 | 0.00000 | 286378.1 | 129352.3 | 40212.2 | U/P |
| 26.050 | 0.0000 | 0.0000 | 92.025 | 1.56324 | 0.00000 | 286378.1 | 129399.2 | 40212.2 | U/P |
| 26.058 | 0.0000 | 0.0000 | 92.023 | 1.56286 | 0.00000 | 286378.1 | 129446.1 | 40212.2 | U/P |
| 26.067 | 0.0000 | 0.0000 | 92.021 | 1.56248 | 0.00000 | 286378.1 | 129493.0 | 40212.2 | U/P |
| 26.075 | 0.0000 | 0.0000 | 92.019 | 1.56210 | 0.00000 | 286378.1 | 129539.9 | 40212.2 | U/P |
| 26.083 | 0.0000 | 0.0000 | 92.018 | 1.56173 | 0.00000 | 286378.1 | 129586.7 | 40212.2 | U/P |
| 26.092 | 0.0000 | 0.0000 | 92.016 | 1.56135 | 0.00000 | 286378.1 | 129633.6 | 40212.2 | U/P |
| 26.100 | 0.0000 | 0.0000 | 92.014 | 1.56097 | 0.00000 | 286378.1 | 129680.4 | 40212.2 | U/P |
| 26.108 | 0.0000 | 0.0000 | 92.012 | 1.56059 | 0.00000 | 286378.1 | 129727.2 | 40212.2 | U/P |
| 26.117 | 0.0000 | 0.0000 | 92.011 | \$. 56022 | 0.00000 | 286378.1 | 129774.1 | 40212.2 | U/P |
| 26.125 | 0.0000 | 0.0000 | 92.009 | 1.55984 | 0.00000 | 286378.1 | 129820.9 | 40212.2 | U/P |
| 26.133 | 0.0000 | 0.0000 | 92.007 | 1.55946 | 0.00000 | 286378.1 | 129867.6 | 40212.2 | U/P |
| 26.142 | 0.0000 | 0.0000 | 92.005 | 1.55908 | 0.00000 | 286378.1 | 129914.4 | 40212.2 | U/P |
| 26.150 | 0.0000 | 0.0000 | 92.004 | 1.55870 | 0.00000 | 286378.1 | 129961.2 | 40212.2 | U/P |
| 26.158 | 0.0000 | 0.0000 | 92.002 | 1.55833 | 0.00000 | 286378.1 | 130007.9 | 40212.2 | U/P |
| 26.167 | 0.0000 | 0.0000 | 92.000 | 1.55795 | 0.00000 | 286378.1 | 130054.7 | 40212.2 | U/P |
| 26.175 | 0.0000 | 0.0000 | 91.999 | 1.55757 | 0.00000 | 286378.1 | 130101.4 | 40212.2 | U/P |
| 26.183 | 0.0000 | 0.0000 | 91.997 | 1.55720 | 0.00000 | 286378.1 | 130148.1 | 40212.2 | U/P |
| 26.192 | 0.0000 | 0.0000 | 91.995 | 1.55683 | 0.00000 | 286378.1 | 130194.9 | 40212.2 | U/P |
| 26.200 | 0.0000 | 0.0000 | 91.993 | 1.55646 | 0.00000 | 286378.1 | 130241.6 | 40212.2 | U/P |
| 26.208 | 0.0000 | 0.0000 | 01.992 | 1.55608 | 0.00000 | 286378.1 | 130288.2 | 40212.2 | U/P |
| 26.217 | 0.0000 | 0.0000 | 91.990 | 1.55571 | 0.00000 | 286378.1 | 130334.9 | 40212.2 | U/P |
| 26.225 | 0.0000 | 0.0000 | 91.988 | 1.55534 | 0.00000 | 286378.1 | 130381.6 | 40212.2 | U/P |
| 26.233 | 0.0000 | 0.0000 | 91.986 | 1.55497 | 0.00000 | 286378.1 | 130428.2 | 40212.2 | U/P |
| 26.242 | 0.0000 | 0.0000 | 91.985 | 1.55460 | 0.00000 | 286378.1 | 130474.9 | 40212.2 | U/P |
| 26.250 | 0.0000 | 0.0000 | 91.983 | 1.55423 | 0.00000 | 286378.1 | 130521.5 | 40212.2 | U/P |
| 26.258 | 0.0000 | 0.0000 | 91.981 | 1.55385 | 0.00000 | 286378.1 | 130568.1 | 40212.2 | U/P |
| 26.267 | 0.0000 | 0.0000 | 91.979 | 1.55348 | 0.00000 | 286378.1 | 130614.7 | 40212.2 | U/P |
| 26.275 | 0.0000 | 0.0000 | 91.978 | 1.55311 | 0.00000 | 286378.1 | 130661.3 | 40212.2 | U/P |
| 26.283 | 0.0000 | 0.0000 | 91.976 | 1.55274 | 0.00000 | 286378.1 | 130707.9 | 40212.2 | U/P |
| 26.292 | 0.0000 | 0.0000 | 91.974 | 1.55237 | 0.00000 | 286378.1 | 130754.5 | 40212.2 | U/P |
| 26.300 | 0.0000 | 0.0000 | 91.973 | 1.55200 | 0.00000 | 286378.1 | 130801.1 | 40212.2 | U/P |
| 26.308 | 0.0000 | 0.0000 | 91.971 | 1.55162 | 0.00000 | 286378.1 | 130847.6 | 40212.2 | U/P |
| 26.317 | 0.0000 | 0.0000 | 91.969 | 1.55125 | 0.00000 | 286378.1 | 130894.2 | 40212.2 | U/P |
| 26.325 | 0.0000 | 0.0000 | 91.967 | 1.55088 | 0.00000 | 286378.1 | 130940.7 | 40212.2 | U/P |
| 26.333 | 0.0000 | 0.0000 | 91.966 | 1.55051 | 0.00000 | 286378.1 | 130987.2 | 40212.2 | U/P |
| 26.342 | 0.0000 | 0.0000 | 91.964 | 1.55014 | 0.00000 | 286378.1 | 131033.7 | 40212.2 | U/P |
| 26.350 | 0.0000 | 0.0000 | 91.962 | 1.54976 | 0.00000 | 286378.1 | 131080.2 | 40212.2 | U/P |
| 26.358 | 0.0000 | 0.0000 | 91.960 | 1.54939 | 0.00000 | 286378.1 | 131126.7 | 40212.2 | U/P |
| 26.367 | 0.0000 | 0.0000 | 91.959 | 1.54902 | 0.00000 | 286378.1 | 131173.2 | 40212.2 | U/P |
| 26.375 | 0.0000 | 0.0000 | 91.957 | 1.54865 | 0.00000 | 286378.1 | 131219.7 | 40212.2 | U/P |
| 26.383 | 0.0000 | 0.0000 | 91.955 | 1.54828 | 0.00000 | 286378.1 | 131266.1 | 40212.2 | U/P |
| 26.392 | 0.0000 | 0.0000 | 91.953 | 1.54791 | 0.00000 | 286378.1 | 131312.6 | 40212.2 | U/P |
| 26.400 | 0.0000 | 0.0000 | 91.952 | 1.54753 | 0.00000 | 286378.1 | 131359.0 | 40212.2 | U/P |
| 26.408 | 0.0000 | 0.0000 | 91.950 | 1.54716 | 0.00000 | 286378.1 | 131405.4 | 40212.2 | U/P |
| 26.417 | 0.0000 | 0.0000 | 91.948 | 1.54679 | 0.00000 | 286378.1 | 131451.8 | 40212.2 | U/P |
| 26.425 | 0.0000 | 0.0000 | 91.946 | 1.54642 | 0.00000 | 286378.1 | 131498.2 | 40212.2 | U/P |
| 26.433 | 0.0000 | 0.0000 | 91.945 | 1.54605 | 0.00000 | 286378.1 | 131544.6 | 40212.2 | U/P |
| 26.442 | 0.0000 | 0.0000 | 91.943 | 1.54567 | 0.00000 | 286378.1 | 131591.0 | 40212.2 | U/P |
| 26.450 | 0.0000 | 0.0000 | 91.941 | 1.54530 | 0.00000 | 286378.1 | 131637.3 | 40212.2 | U/P |
| 26.458 | 0.0000 | 0.0000 | 91.940 | 1.54493 | 0.00000 | 286378.1 | 131683.7 | 40212.2 | U/P |
| 26.467 | 0.0000 | 0.0000 | 91.938 | 1.54456 | 0.00000 | 286378.1 | 131730.0 | 40212.2 | U/P |
| 26.475 | 0.0000 | 0.0000 | 91.936 | 1.54419 | 0.00000 | 286378.1 | 131776.4 | 40212.2 | U/P |
| 26.483 | 0.0000 | 0.0000 | 91.934 | 1.54382 | 0.00000 | 286378.1 | 131822.7 | 40212.2 | U/P |
| 26.492 | 0.0000 | 0.0000 | 91.933 | 1.54344 | 0.00000 | 286378.1 | 131869.0 | 40212.2 | U/P |
| 26.500 | 0.0000 | 0.0000 | 91.931 | 1.54307 | 0.00000 | 286378.1 | 131915.3 | 40212.2 | U/P |
| 26.508 | 0.0000 | 0.0000 | 91.929 | 1.54270 | 0.00000 | 286378.1 | 131961.6 | 40212.2 | U/P |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: Pond $4100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ffday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overlow Discharge (f $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative <br> Discharge <br> Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 26.517 | 0.0000 | 0.0000 | 91.927 | 1.54233 | 0.00000 | 286378.1 | 132007.9 | 40212.2 | U/P |
| 26.525 | 0.0000 | 0.0000 | 91.926 | 1.54196 | 0.00000 | 286378.1 | 132054.1 | 40212.2 | U/P |
| 26.533 | 0.0000 | 0.0000 | 91.924 | 1.54159 | 0.00000 | 286378.1 | 132100.4 | 40212.2 | U/P |
| 26.542 | 0.0000 | 0.0000 | 91.922 | 1.54121 | 0.00000 | 286378.1 | 132146.6 | 40212.2 | U/P |
| 26.550 | 0.0000 | 0.0000 | 91.920 | 1.54084 | 0.00000 | 286378.1 | 132192.8 | 40212.2 | U/P |
| 26.558 | 0.0000 | 0.0000 | 91.919 | 1.54047 | 0.00000 | 286378.1 | 132239.1 | 40212.2 | U/P |
| 26.567 | 0.0000 | 0.0000 | 91.917 | 1.54010 | 0.00000 | 286378.1 | 132285.3 | 40212.2 | U/P |
| 26.575 | 0.0000 | 0.0000 | 91.915 | 1.53973 | 0.00000 | 286378.1 | 132331.5 | 40212.2 | U/P |
| 26.583 | 0.0000 | 0.0000 | 91.913 | 1.53935 | 0.00000 | 286378.1 | 132377.7 | 40212.2 | U/P |
| 26.592 | 0.0000 | 0.0000 | 91.912 | 1.53898 | 0.00000 | 286378.1 | 132423.8 | 40212.2 | U/P |
| 26.600 | 0.0000 | 0.0000 | 91.910 | 1.53861 | 0.00000 | 286378.1 | 132470.0 | 40212.2 | U/P |
| 26.608 | 0.0000 | 0.0000 | 91.908 | 1.53824 | 0.00000 | 286378.1 | 132516.2 | 40212.2 | U/P |
| 26.617 | 0.0000 | 0.0000 | 91.907 | 1.53787 | 0.00000 | 286378.1 | 132562.3 | 40212.2 | U/P |
| 26.625 | 0.0000 | 0.0000 | 91.905 | 1.53750 | 0.00000 | 286378.1 | 132608.4 | 40212.2 | U/P |
| 26.633 | 0.0000 | 0.0000 | 91.903 | 1.53712 | 0.00000 | 286378.1 | 132654.5 | 40212.2 | U/P |
| 26.642 | 0.0000 | 0.0000 | 91.901 | 1.53675 | 0.00000 | 286378.1 | 132700.7 | 40212.2 | U/P |
| 26.650 | 0.0000 | 0.0000 | 91.900 | 1.53638 | 0.00000 | 286378.1 | 132746.8 | 40212.2 | U/P |
| 26.658 | 0.0000 | 0.0000 | 91.898 | 1.53601 | 0.00000 | 286378.1 | 132792.8 | 40212.2 | U/P |
| 26.667 | 0.0000 | 0.0000 | 91.896 | 1.53564 | 0.00000 | 286378.1 | 132838.9 | 40212.2 | U/P |
| 26.675 | 0.0000 | 0.0000 | 91.894 | 1.53527 | 0.00000 | 286378.1 | 132885.0 | 40212.2 | U/P |
| 26.683 | 0.0000 | 0.0000 | 91.893 | 1.53489 | 0.00000 | 286378.1 | 132931.0 | 40212.2 | U/P |
| 26.692 | 0.0000 | 0.0000 | 91.891 | 1.53452 | 0.00000 | 286378.1 | 132977.1 | 40212.2 | U/P |
| 26.700 | 0.0000 | 0.0000 | 91.889 | 1.53415 | 0.00000 | 286378.1 | 133023.1 | 40212.2 | U/P |
| 26.708 | 0.0000 | 0.0000 | 91.887 | 1.53378 | 0.00000 | 286378.1 | 133069.1 | 40212.2 | U/P |
| 26.717 | 0.0000 | 0.0000 | 91.886 | 1.53341 | 0.00000 | 286378.1 | 133115.1 | 40212.2 | U/P |
| 26.725 | 0.0000 | 0.0000 | 91.884 | 1.53303 | 0.00000 | 286378.1 | 133161.1 | 40212.2 | U/P |
| 26.733 | 0.0000 | 0.0000 | 91.882 | 1.53266 | 0.00000 | 286378.1 | ¢33207.1 | 40212.2 | U/P |
| 26.742 | 0.0000 | 0.0000 | 91.880 | 1.53229 | 0.00000 | 286378.1 | 133253.1 | 40212.2 | U/P |
| 26.750 | 0.0000 | 0.0000 | 91.879 | 1.53192 | 0.00000 | 286378.1 | 133299.0 | 40212.2 | U/P |
| 26.758 | 0.0000 | 0.0000 | 91.877 | 1.53155 | 0.00000 | 286378.1 | 133345.0 | 40212.2 | U/P |
| 26.767 | 0.0000 | 0.0000 | 91.875 | 1.53118 | 0.00000 | 286378.1 | 133390.9 | 40212.2 | U/P |
| 26.775 | 0.0000 | 0.0000 | 91.874 | 1.53080 | 0.00000 | 286378.1 | 133436.9 | 40212.2 | U/P |
| 26.783 | 0.0000 | 0.0000 | 91.872 | 1.53043 | 0.00000 | 286378.1 | 133482.8 | 40212.2 | U/P |
| 26.792 | 0.0000 | 0.0000 | 91.870 | 1.53006 | 0.00000 | 286378.1 | 133528.7 | 40212.2 | U/P |
| 26.800 | 0.0000 | 0.0000 | 91.868 | 1.52969 | 0.00000 | 286378.1 | 133574.6 | 40212.2 | U/P |
| 26.808 | 0.0000 | 0.0000 | 91.867 | 1.52932 | 0.00000 | 286378.1 | 133620.5 | 40212.2 | U/P |
| 26.817 | 0.0000 | 0.0000 | 91.865 | 1.52894 | 0.00000 | 286378.1 | 133666.3 | 40212.2 | U/P |
| 26.825 | 0.0000 | 0.0000 | 91.863 | 1.52857 | 0.00000 | 286378.1 | 133712.2 | 40212.2 | U/P |
| 26.833 | 0.0000 | 0.0000 | 91.861 | 1.52820 | 0.00000 | 286378.1 | 133758.1 | 40212.2 | U/P |
| 26.842 | 0.0000 | 0.0000 | 91.860 | 1.52783 | 0.00000 | 286378.1 | 133803.9 | 40212.2 | U/P |
| 26.850 | 0.0000 | 0.0000 | 91.858 | 1.52746 | 0.00000 | 286378.1 | 133849.7 | 40212.2 | U/P |
| 26.858 | 0.0000 | 0.0000 | 91.856 | 1.52709 | 0.00000 | 286378.1 | 133895.5 | 40212.2 | U/P |
| 26.867 | 0.0000 | 0.0000 | 91.854 | 1.52671 | 0.00000 | 286378.1 | 133941.4 | 40212.2 | U/P |
| 26.875 | 0.0000 | 0.0000 | 91.853 | 1.52634 | 0.00000 | 286378.1 | 133987.2 | 40212.2 | U/P |
| 26.883 | 0.0000 | 0.0000 | 91.851 | 1.52597 | 0.00000 | 286378.1 | 134032.9 | 40212.2 | U/P |
| 26.892 | 0.0000 | 0.0000 | 91.849 | 1.52560 | 0.00000 | 286378.1 | 134078.7 | 40212.2 | U/P |
| 26.900 | 0.0000 | 0.0000 | 91.847 | 1.52523 | 0.00000 | 286378.1 | 134124.5 | 40212.2 | U/P |
| 26.908 | 0.0000 | 0.0000 | 91.846 | 1.52486 | 0.00000 | 286378.1 | 134170.2 | 40212.2 | U/P |
| 26.917 | 0.0000 | 0.0000 | 91.844 | 1.52448 | 0.00000 | 286378.1 | 134216.0 | 40212.2 | U/P |
| 26.925 | 0.0000 | 0.0000 | 91.842 | 1.52414 | 0.00000 | 286378.1 | 134261.7 | 40212.2 | U/P |
| 26.933 | 0.0000 | 0.0000 | 91.841 | 1.52374 | 0.00000 | 286378.1 | 134307.4 | 40212.2 | U/P |
| 26.942 | 0.0000 | 0.0000 | 91.839 | 1.52337 | 0.00000 | 286378.1 | 134353.1 | 40212.2 | U/P |
| 26.950 | 0.0000 | 0.0000 | 91.837 | 1.52300 | 0.00000 | 286378.1 | 134398.8 | 40212.2 | U/P |
| 26.958 | 0.0000 | 0.0000 | 91.835 | 1.52262 | 0.00000 | 286378.1 | 134444.5 | 40212.2 | U/P |
| 26.967 | 0.0000 | 0.0000 | 91.834 | 1.52225 | 0.00000 | 286378.1 | \$34490.2 | 40212.2 | U/P |
| 26.975 | 0.0000 | 0.0000 | 91.832 | 1.52188 | 0.00000 | 286378.1 | 134535.8 | 40212.2 | U/P |
| 26.983 | 0.0000 | 0.0000 | 91.830 | 1.52151 | 0.00000 | 286378.1 | 134581.5 | 40212.2 | U/P |
| 26.992 | 0.0000 | 0.0000 | 91.828 | 1.52114 | 0.00000 | 286378.1 | 134627.1 | 40212.2 | U/P |
| 27.000 | 0.0000 | 0.0000 | 91.827 | 1.52077 | 0.00000 | 286378.1 | 134672.8 | 40212.2 | U/P |
| 27.008 | 0.0000 | 0.0000 | 91.825 | 1.52039 | 0.00000 | 286378.1 | 134718.4 | 40212.2 | U/P |
| 27.017 | 0.0000 | 0.0000 | 91.823 | 1.52002 | 0.00000 | 286378.1 | 134764.0 | 40212.2 | U/P |
| 27.025 | 0.0000 | 0.0000 | 91.821 | 1.51965 | 0.00000 | 286378.1 | 134809.6 | 40212.2 | U/P |
| 27.033 | 0.0000 | 0.0000 | 91.820 | 1.51928 | 0.00000 | 286378.1 | 134855.2 | 40212.2 | U/P |
| 27.042 | 0.0000 | 0.0000 | 91.818 | 1.51891 | 0.00000 | 286378.1 | 134900.7 | 40212.2 | U/P |
| 27.050 | 0.0000 | 0.0000 | 91.816 | 1.51853 | 0.00000 | 286378.1 | 134946.3 | 40212.2 | U/P |
| 27.058 | 0.0000 | 0.0000 | 91.815 | 1.51816 | 0.00000 | 286378.1 | 134991.8 | 40212.2 | U/P |
| 27.067 | 0.0000 | 0.0000 | 91.813 | 1.51779 | 0.00000 | 286378.1 | 135037.4 | 40212.2 | U/P |
| 27.075 | 0.0000 | 0.0000 | 91.811 | 1.51742 | 0.00000 | 286378.1 | 135082.9 | 40212.2 | U/P |
| 27.083 | 0.0000 | 0.0000 | 91.809 | 1.51705 | 0.00000 | 286378.1 | 135128.4 | 40212.2 | U/P |
| 27.092 | 0.0000 | 0.0000 | 91.808 | 1.51668 | 0.00000 | 286378.1 | 135173.9 | 40212.2 | U/P |
| 27.100 | 0.0000 | 0.0000 | 91.806 | 1.51630 | 0.00000 | 286378.1 | 135219.4 | 40212.2 | U/P |
| 27.108 | 0.0000 | 0.0000 | 91.804 | 1.51593 | 0.00000 | 286378.1 | 135264.9 | 40212.2 | U/P |
| 27.117 | 0.0000 | 0.0000 | 91.802 | 1.51556 | 0.00000 | 286378.1 | 135310.4 | 40212.2 | U/P |
| 27.125 | 0.0000 | 0.0000 | 91.801 | 1.51519 | 0.00000 | 286378.1 | 135355.8 | 40212.2 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $4100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate (ft3/s) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f} 1^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{fl}^{3}$ ) | Cumulative infiltration Volume $\left\langle\mathrm{fl}^{3}\right\rangle$ | Cumutative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 27.133 | 0.0000 | 0.0000 | 91.799 | 1.51482 | 0.00000 | 286378.1 | 135401.3 | 40212.2 | U/P |
| 27.142 | 0.0000 | 0.0000 | 91.797 | 1.51445 | 0.00000 | 286378.1 | 135446.7 | 40212.2 | U/P |
| 27.150 | 0.0000 | 0.0000 | 91.795 | 1.51407 | 0.00000 | 286378.1 | 135492.2 | 40212.2 | U/P |
| 27.158 | 0.0000 | 0.0000 | 91.794 | 1.51370 | 0.00000 | 286378.1 | 135537.6 | 40212.2 | U/P |
| 27.167 | 0.0000 | 0.0000 | 91.792 | 1.51333 | 0.00000 | 286378.1 | 135583.0 | 40212.2 | U/P |
| 27.175 | 0.0000 | 0.0000 | 91.790 | 1.51296 | 0.00000 | 286378.1 | 135628.4 | 40212.2 | U/P |
| 27.183 | 0.0000 | 0.0000 | 91.788 | 1.51259 | 0.00000 | 286378.1 | 135673.8 | 40212.2 | U/P |
| 27.192 | 0.0000 | 0.0000 | 91.787 | 1.51221 | 0.00000 | 286378.1 | 135719.1 | 40212.2 | U/P |
| 27.200 | 0.0000 | 0.0000 | 91.785 | 1.51184 | 0.00000 | 286378.1 | 135764.5 | 40212.2 | U/P |
| 27.208 | 0.0000 | 0.0000 | 91.783 | 1.51147 | 0.00000 | 286378.1 | 135809.8 | 40212.2 | U/P |
| 27.217 | 0.0000 | 0.0000 | 91.782 | 1.51110 | 0.00000 | 286378.1 | 135855.2 | 40212.2 | U/P |
| 27.225 | 0.0000 | 0.0000 | 91.780 | 1.51073 | 0.00000 | 286378.1 | 135900.5 | 40212.2 | U/P |
| 27.233 | 0.0000 | 0.0000 | 91.778 | 1.51036 | 0.00000 | 286378.1 | 135945.8 | 40212.2 | U/P |
| 27.242 | 0.0000 | 0.0000 | 91.776 | 1.50998 | 0.00000 | 286378.1 | 135991.1 | 40212.2 | U/P |
| 27.250 | 0.0000 | 0.0000 | 91.775 | 1.50961 | 0.00000 | 286378.1 | 136036.4 | 40212.2 | U/P |
| 27.258 | 0.0000 | 0.0000 | 91.773 | 1.50924 | 0.00000 | 286378.1 | 136081.7 | 40212.2 | U/P |
| 27.267 | 0.0000 | 0.0000 | 91.771 | 1.50887 | 0.00000 | 286378.1 | 136127.0 | 40212.2 | U/P |
| 27.275 | 0.0000 | 0.0000 | 91.769 | 1.50850 | 0.00000 | 286378.1 | 136172.2 | 40212.2 | U/P |
| 27.283 | 0.0000 | 0.0000 | 91.768 | 1.50812 | 0.00000 | 286378.1 | 136217.5 | 40212.2 | U/P |
| 27.292 | 0.0000 | 0.0000 | 91.766 | 1.50775 | 0.00000 | 286378.1 | 136262.7 | 40212.2 | U/P |
| 27.300 | 0.0000 | 0.0000 | 91.764 | 1.50738 | 0.00000 | 286378.1 | 136308.0 | 40212.2 | U/P |
| 27.308 | 0.0000 | 0.0000 | 91.762 | 1.50701 | 0.00000 | 286378.1 | 136353.2 | 40212.2 | U/P |
| 27.317 | 0.0000 | 0.0000 | 91.761 | 1.50664 | 0.00000 | 286378.1 | 136398.4 | 40212.2 | U/P |
| 27.325 | 0.0000 | 0.0000 | 91.759 | 1.50627 | 0.00000 | 286378.1 | 136443.6 | 40212.2 | U/P |
| 27.333 | 0.0000 | 0.0000 | 91.757 | 1.50589 | 0.00000 | 286378.1 | 136488.8 | 40212.2 | U/P |
| 27.342 | 0.0000 | 0.0000 | 91.755 | 1.50552 | 0.00000 | 286378.1 | 136533.9 | 40212.2 | U/P |
| 27.350 | 0.0000 | 0.0000 | 91.754 | 1.50515 | 0.00000 | 286378.1 | 136579.1 | 40212.2 | U/P |
| 27.358 | 0.0000 | 0.0000 | 91.752 | 1.50478 | 0.00000 | 286378.1 | 136624.2 | 40212.2 | U/P |
| 27.367 | 0.0000 | 0.0000 | 91.750 | 1.50441 | 0.00000 | 286378.1 | 136669.4 | 40212.2 | U/P |
| 27.375 | 0.0000 | 0.0000 | 91.749 | 1.50404 | 0.00000 | 286378.1 | 136714.5 | 40212.2 | U/P |
| 27.383 | 0.0000 | 0.0000 | 91.747 | 1.50366 | 0.00000 | 286378.1 | 136759.6 | 40212.2 | U/P |
| 27.392 | 0.0000 | 0.0000 | 91.745 | 1.50329 | 0.00000 | 286378.1 | 136804.7 | 40212.2 | U/P |
| 27.400 | 0.0000 | 0.0000 | 91.743 | 1.50292 | 0.00000 | 286378.1 | 136849.8 | 40212.2 | U/P |
| 27.408 | 0.0000 | 0.0000 | 91.742 | 1.50255 | 0.00000 | 286378.1 | 136894.9 | 40212.2 | U/P |
| 27.417 | 0.0000 | 0.0000 | 91.740 | 1.50218 | 0.00000 | 286378.1 | 136940.0 | 40212.2 | U/P |
| 27.425 | 0.0000 | 0.0000 | 91.738 | 1.50180 | 0.00000 | 286378.1 | 136985.0 | 40212.2 | U/P |
| 27.433 | 0.0000 | 0.0000 | 91.736 | 1.50143 | 0.00000 | 286378.1 | 137030.1 | 40212.2 | U/P |
| 27.442 | 0.0000 | 0.0000 | 91.735 | 1.50106 | 0.00000 | 286378.1 | 137075.1 | 40212.2 | U/P |
| 27.450 | 0.0000 | 0.0000 | 91.733 | 1.50069 | 0.00000 | 286378.1 | 137120.1 | 40212.2 | U/P |
| 27.458 | 0.0000 | 0.0000 | 91.731 | 1.50032 | 0.00000 | 286378.1 | 137165.1 | 40212.2 | U/P |
| 27.467 | 0.0000 | 0.0000 | 91.729 | 1.49995 | 0.00000 | 286378.1 | 137210.1 | 40212.2 | U/P |
| 27.475 | 0.0000 | 0.0000 | 91.728 | 1.49957 | 0.00000 | 286378.1 | \$37255.1 | 40212.2 | U/P |
| 27.483 | 0.0000 | 0.0000 | 91.726 | 1.49920 | 0.00000 | 286378.1 | 137300.1 | 40212.2 | U/P |
| 27.492 | 0.0000 | 0.0000 | 91.724 | 1.49883 | 0.00000 | 286378.1 | 137345.1 | 40212.2 | U/P |
| 27.500 | 0.0000 | 0.0000 | 91.722 | 1.49846 | 0.00000 | 286378.1 | 137390.0 | 40212.2 | U/P |
| 27.508 | 0.0000 | 0.0000 | 91.721 | 1.49809 | 0.00000 | 286378.1 | 137435.0 | 40212.2 | U/P |
| 27.517 | 0.0000 | 0.0000 | 91.719 | 1.49772 | 0.00000 | 286378.1 | 137479.9 | 40212.2 | U/P |
| 27.525 | 0.0000 | 0.0000 | 91.717 | 1.49734 | 0.00000 | 286378.1 | 137524.9 | 40212.2 | U/P |
| 27.533 | 0.0000 | 0.0000 | 91.716 | 1.49697 | 0.00000 | 286378.1 | 137569.8 | 40212.2 | U/P |
| 27.542 | 0.0000 | 0.0000 | 91.714 | 1.49660 | 0.00000 | 286378.1 | 137614.7 | 40212.2 | U/P |
| 27.550 | 0.0000 | 0.0000 | 91.712 | 1.49623 | 0.00000 | 286378.1 | 137659.6 | 40212.2 | U/P |
| 27.558 | 0.0000 | 0.0000 | 91.710 | 1.49586 | 0.00000 | 286378.1 | 137704.5 | 40212.2 | U/P |
| 27.567 | 0.0000 | 0.0000 | 91.709 | 1.49548 | 0.00000 | 286378.1 | 137749.3 | 40212.2 | U/P |
| 27.575 | 0.0000 | 0.0000 | 91.707 | 1.49511 | 0.00000 | 286378.1 | 137794.2 | 40212.2 | U/P |
| 27.583 | 0.0000 | 0.0000 | 91.705 | 1.49474 | 0.00000 | 286378.1 | 137839.0 | 40212.2 | U/P |
| 27.592 | 0.0000 | 0.0000 | 91.703 | 1.49437 | 0.00000 | 286378.1 | 137883.9 | 40212.2 | U/P |
| 27.600 | 0.0000 | 0.0000 | 91.702 | 1.49400 | 0.00000 | 286378.1 | 137928.7 | 40212.2 | U/P |
| 27.608 | 0.0000 | 0.0000 | 91.700 | 1.49363 | 0.00000 | 286378.1 | 137973.5 | 40212.2 | U/P |
| 27.617 | 0.0000 | 0.0000 | 91.698 | 1.49325 | 0.00000 | 286378.1 | 138018.3 | 40212.2 | U/P |
| 27.625 | 0.0000 | 0.0000 | 91.696 | 1.49288 | 0.00000 | 286378.1 | 138063.1 | 40212.2 | U/P |
| 27.633 | 0.0000 | 0.0000 | 91.695 | 1.49251 | 0.00000 | 286378.1 | 138107.9 | 40212.2 | U/P |
| 27.642 | 0.0000 | 0.0000 | 91.693 | 1.49214 | 0.00000 | 286378.1 | 138152.7 | 40212.2 | U/P |
| 27.650 | 0.0000 | 0.0000 | 91.691 | 1.49177 | 0.00000 | 286378.1 | 138197.4 | 40212.2 | U/P |
| 27.658 | 0.0000 | 0.0000 | 91.689 | 1.49139 | 0.00000 | 286378.1 | 138242.2 | 40212.2 | U/P |
| 27.667 | 0.0000 | 0.0000 | 91.688 | 1.49102 | 0.00000 | 286378.1 | 138286.9 | 40212.2 | U/P |
| 27.675 | 0.0000 | 0.0000 | 91,686 | 1.49065 | 0.00000 | 286378.1 | 138331.6 | 40212.2 | U/P |
| 27.683 | 0.0000 | 0.0000 | 91.684 | 1.49028 | 0.00000 | 286378.1 | 138376.3 | 40212.2 | U/P |
| 27.692 | 0.0000 | 0.0000 | 91.683 | 1.48991 | 0.00000 | 286378.1 | 138421.0 | 40212.2 | U/P |
| 27.700 | 0.0000 | 0.0000 | 91.681 | 1.48954 | 0.00000 | 286378.1 | 138465.7 | 40212.2 | U/P |
| 27.708 | 0.0000 | 0.0000 | 91.679 | 1.48916 | 0.00000 | 286378.1 | 138510.4 | 40212.2 | U/P |
| 27.717 | 0.0000 | 0.0000 | 91.677 | 1.48879 | 0.00000 | 286378.1 | 138555.1 | 40212.2 | U/P |
| 27.725 | 0.0000 | 0.0000 | 91.676 | 1.48842 | 0.00000 | 286378.1 | 138599.7 | 40212.2 | U/P |
| 27.733 | 0.0000 | 0.0000 | 91.674 | 1.48805 | 0.00000 | 286378.1 | 138644.4 | 40212.2 | U/P |
| 27.742 | 0.0000 | 0.0000 | 91.672 | 1.48768 | 0.00000 | 286378.1 | 138689.0 | 40212.2 | U/P |

PONDS Version 3.2.0207

# Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E. 

Detailed Results (cont,d.) :: Scenario 1 :: Pond $4100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{fl}^{3 / 5}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overtiow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume (fil) | Cumulative Discharge Volume (fis) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 27.750 | 0.0000 | 0.0000 | 91.670 | 1.48731 | 0.00000 | 286378.1 | 138733.6 | 40212.2 | U/P |
| 27.758 | 0.0000 | 0.0000 | 91.669 | 1.48693 | 0.00000 | 286378.1 | 138778.3 | 40212.2 | U/P |
| 27.767 | 0.0000 | 0.0000 | 91.667 | 1.48656 | 0.00000 | 286378.1 | 138822.9 | 40212.2 | U/P |
| 27.775 | 0.0000 | 0.0000 | 91.665 | 1.48619 | 0.00000 | 286378.1 | 138867.5 | 40212.2 | U/P |
| 27.783 | 0.0000 | 0.0000 | 91.663 | 1.48582 | 0.00000 | 286378.1 | 138912.0 | 40212.2 | U/P |
| 27.792 | 0.0000 | 0.0000 | 91.662 | 1.48545 | 0.00000 | 286378.1 | 138956.6 | 40212.2 | U/P |
| 27.800 | 0.0000 | 0.0000 | 91.660 | 1.48507 | 0.00000 | 286378.1 | 139001.2 | 40212.2 | U/P |
| 27.808 | 0.0000 | 0.0000 | 91.658 | 1.48470 | 0.00000 | 286378.1 | 139045.7 | 40212.2 | U/P |
| 27.817 | 0.0000 | 0.0000 | 91.656 | 1.48433 | 0.00000 | 286378.1 | 139090.2 | 40212.2 | U/P |
| 27.825 | 0.0000 | 0.0000 | 91.655 | 1.48396 | 0.00000 | 286378.1 | 139134.8 | 40212.2 | U/P |
| 27.833 | 0.0000 | 0.0000 | 91.653 | 1.48359 | 0.00000 | 286378.1 | 139179.3 | 40212.2 | U/P |
| 27.842 | 0.0000 | 0.0000 | 91.651 | 1.48322 | 0.00000 | 286378.1 | 139223.8 | 40212.2 | U/P |
| 27.850 | 0.0000 | 0.0000 | 91.650 | 1.48284 | 0.00000 | 286378.1 | 139268.3 | 40212.2 | U/P |
| 27.858 | 0.0000 | 0.0000 | 91.648 | 1.48247 | 0.00000 | 286378.1 | 139312.8 | 40212.2 | U/P |
| 27.867 | 0.0000 | 0.0000 | 91.646 | 1.48210 | 0.00000 | 286378.1 | 139357.2 | 40212.2 | U/P |
| 27.875 | 0.0000 | 0.0000 | 91.644 | 1.48173 | 0.00000 | 286378.1 | 139401.7 | 40212.2 | U/P |
| 27.883 | 0.0000 | 0.0000 | 91.643 | 1.48136 | 0.00000 | 286378.1 | 139446.1 | 40212.2 | U/P |
| 27.892 | 0.0000 | 0.0000 | 91.641 | 1.48098 | 0.00000 | 286378.1 | 139490.6 | 40212.2 | U/P |
| 27.900 | 0.0000 | 0.0000 | 91.639 | 1.48061 | 0.00000 | 286378.1 | 139535.0 | 40212.2 | U/P |
| 27.908 | 0.0000 | 0.0000 | 91.637 | 1.48024 | 0.00000 | 286378.1 | 139579.4 | 40212.2 | U/P |
| 27.917 | 0.0000 | 0.0000 | 91.636 | 1.47987 | 0.00000 | 286378.1 | 139623.8 | 40212.2 | U/P |
| 27.925 | 0.0000 | 0.0000 | 91.634 | 1.47950 | 0.00000 | 286378.1 | 139668.2 | 40212.2 | U/P |
| 27.933 | 0.0000 | 0.0000 | 91.632 | 1.47913 | 0.00000 | 286378.1 | 139712.6 | 40212.2 | U/P |
| 27.942 | 0.0000 | 0.0000 | 91.630 | 1.47875 | 0.00000 | 286378.1 | 139756.9 | 40212.2 | U/P |
| 27.950 | 0.0000 | 0.0000 | 91.629 | 1.47838 | 0.00000 | 286378.1 | 139801.3 | 40212.2 | U/P |
| 27.958 | 0.0000 | 0.0000 | 91.627 | 1.47801 | 0.00000 | 286378.1 | 139845.6 | 40212.2 | U/P |
| 27.967 | 0.0000 | 0.0000 | 91.625 | 1.47764 | 0.00000 | 286378.1 | 139890.0 | 40212.2 | U/P |
| 27.975 | 0.0000 | 0.0000 | 91.624 | 1.47727 | 0.00000 | 286378.1 | 139934.3 | 40212.2 | U/P |
| 27.983 | 0.0000 | 0.0000 | 91.622 | 1.47690 | 0.00000 | 286378.1 | 139978.6 | 40212.2 | U/P |
| 27.992 | 0.0000 | 0.0000 | 91.620 | 1.47652 | 0.00000 | 286378.1 | 140022.9 | 40212.2 | U/P |
| 28.000 | 0.0000 | 0.0000 | 91.618 | 1.47615 | 0.00000 | 286378.1 | 140067.2 | 40212.2 | U/P |
| 28.008 | 0.0000 | 0.0000 | 91.617 | 1.47578 | 0.00000 | 286378.1 | 140111.5 | 40212.2 | U/P |
| 28.017 | 0.0000 | 0.0000 | 91.615 | 1.47541 | 0.00000 | 286378.1 | 140155.8 | 40212.2 | U/P |
| 28.025 | 0.0000 | 0.0000 | 91.613 | 1.47504 | 0.00000 | 286378.1 | 140200.0 | 40212.2 | U/P |
| 28.033 | 0.0000 | 0.0000 | 91.611 | 1.47466 | 0.00000 | 286378.1 | 140244.3 | 40212.2 | U/P |
| 28.042 | 0.0000 | 0.0000 | 91.610 | 1.47429 | 0.00000 | 286378.1 | 140288.5 | 40212.2 | U/P |
| 28.050 | 0.0000 | 0.0000 | 91.608 | 1.47392 | 0.00000 | 286378.1 | 140332.7 | 40212.2 | U/P |
| 28.058 | 0.0000 | 0.0000 | 91.606 | 1.47355 | 0.00000 | 286378.1 | 140376.9 | 40212.2 | U/P |
| 28.067 | 0.0000 | 0.0000 | 91.604 | 1.47318 | 0.00000 | 286378.1 | 140421.1 | 40212.2 | U/P |
| 28.075 | 0.0000 | 0.0000 | 91.603 | 1.47281 | 0.00000 | 286378.1 | 140465.3 | 40212.2 | U/P |
| 28.083 | 0.0000 | 0.0000 | 91.601 | 1.47243 | 0.00000 | 286378.1 | 140509.5 | 40212.2 | U/P |
| 28.092 | 0.0000 | 0.0000 | 91.599 | 1.47206 | 0.00000 | 286378.1 | 140553.7 | 40212.2 | U/P |
| 28.100 | 0.0000 | 0.0000 | 91.597 | 1.47169 | 0.00000 | 286378.1 | 140597.8 | 40212.2 | U/P |
| 28.108 | 0.0000 | 0.0000 | 91.596 | 1.47132 | 0.00000 | 286378.1 | 140642.0 | 40212.2 | U/P |
| 28.117 | 0.0000 | 0.0000 | 91.594 | 1.47095 | 0.00000 | 286378.1 | 140686.1 | 40212.2 | U/P |
| 28.125 | 0.0000 | 0.0000 | 91.592 | 1.47057 | 0.00000 | 286378.1 | 140730.2 | 40212.2 | U/P |
| 28.133 | 0.0000 | 0.0000 | 91.591 | 1.47020 | 0.00000 | 286378.1 | 140774.3 | 40212.2 | U/P |
| 28.142 | 0.0000 | 0.0000 | 91.589 | 1.46983 | 0.00000 | 286378.1 | 140818.4 | 40212.2 | U/P |
| 28.150 | 0.0000 | 0.0000 | 91.587 | 1.46946 | 0.00000 | 286378.1 | 140862.5 | 40212.2 | U/P |
| 28.158 | 0.0000 | 0.0000 | 91.585 | 1.46909 | 0.00000 | 286378.1 | 140906.6 | 40212.2 | U/P |
| 28.167 | 0.0000 | 0.0000 | 91.584 | 1.46872 | 0.00000 | 286378.1 | 140950.7 | 40212.2 | U/P |
| 28.175 | 0.0000 | 0.0000 | 91.582 | 1.46834 | 0.00000 | 286378.1 | 140994.7 | 40212.2 | U/P |
| 28.183 | 0.0000 | 0.0000 | 91.580 | 1.46797 | 0.00000 | 286378.1 | 141038.8 | 40212.2 | U/P |
| 28.192 | 0.0000 | 0.0000 | 91.578 | 1.46760 | 0.00000 | 286378.1 | 141082.8 | 40212.2 | U/P |
| 28.200 | 0.0000 | 0.0000 | 91.577 | 1.46723 | 0.00000 | 286378.1 | 141126.8 | 40212.2 | U/P |
| 28.208 | 0.0000 | 0.0000 | 91.575 | 1.46686 | 0.00000 | 286378.1 | 141170.8 | 40212.2 | U/P |
| 28.217 | 0.0000 | 0.0000 | 91.573 | 1.46649 | 0.00000 | 286378.1 | 141214.8 | 40212.2 | U/P |
| 28.225 | 0.0000 | 0.0000 | 91.571 | 1.46611 | 0.00000 | 286378.1 | 141258.8 | 40212.2 | U/P |
| 28.233 | 0.0000 | 0.0000 | 91.570 | 1.46574 | 0.00000 | 286378.1 | 141302.8 | 40212.2 | U/P |
| 28.242 | 0.0000 | 0.0000 | 91.568 | 1.46537 | 0.00000 | 286378.1 | 141346.8 | 40212.2 | U/P |
| 28.250 | 0.0000 | 0.0000 | 91.566 | 1.46500 | 0.00000 | 286378.1 | 141390.7 | 40212.2 | U/P |
| 28.258 | 0.0000 | 0.0000 | 91.564 | 1.46463 | 0.00000 | 286378.1 | 141434.7 | 40212.2 | U/P |
| 28.267 | 0.0000 | 0.0000 | 91.563 | 1.46425 | 0.00000 | 286378.1 | 141478.6 | 40212.2 | U/P |
| 28.275 | 0.0000 | 0.0000 | 91.561 | 1.46388 | 0.00000 | 286378.1 | 141522.5 | 40212.2 | U/P |
| 28.283 | 0.0000 | 0.0000 | 91.559 | 1.46351 | 0.00000 | 286378.1 | 141566.4 | 40212.2 | U/P |
| 28.292 | 0.0000 | 0.0000 | 91.558 | 1.46314 | 0.00000 | 286378.1 | 141610.3 | 40212.2 | U/P |
| 28.300 | 0.0000 | 0.0000 | 91.556 | 1.46277 | 0.00000 | 286378.1 | 141654.2 | 40212.2 | U/P |
| 28.308 | 0.0000 | 0.0000 | 91.554 | 1.46240 | 0.00000 | 286378.1 | 141698.1 | 40212.2 | U/P |
| 28.317 | 0.0000 | 0.0000 | 91.552 | 1.46202 | 0.00000 | 286378.1 | 141742.0 | 40212.2 | U/P |
| 28.325 | 0.0000 | 0.0000 | 91.551 | 1.46165 | 0.00000 | 286378.1 | 141785.8 | 40212.2 | U/P |
| 28.333 | 0.0000 | 0.0000 | 91.549 | 1.46128 | 0.00000 | 286378.1 | 141829.7 | 40212.2 | U/P |
| 28.342 | 0.0000 | 0.0000 | 91.547 | 1.46091 | 0.00000 | 286378.1 | 141873.5 | 40212.2 | U/P |
| 28.350 | 0.0000 | 0.0000 | 91.545 | 1.46054 | 0.00000 | 286378.1 | 141917.3 | 40212.2 | U/P |
| 28.358 | 0.0000 | 0.0000 | 91.544 | 1.46016 | 0.00000 | 286378.1 | 141961.1 | 40212.2 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: Pond 4100 yr / 24 hr

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (fidday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overfiow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulakive Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 28.367 | 0.0000 | 0.0000 | 91.542 | 1.45979 | 0.00000 | 286378.1 | 142004.9 | 40212.2 | U/P |
| 28.375 | 0.0000 | 0.0000 | 91.540 | 1.45942 | 0.00000 | 286378.1 | 142048.7 | 40212.2 | U/P |
| 28.383 | 0.0000 | 0.0000 | 91.538 | 1.45905 | 0.00000 | 286378.1 | 142092.5 | 40212.2 | U/P |
| 28.392 | 0.0000 | 0.0000 | 91.537 | 1.45868 | 0.00000 | 286378.1 | 142136.3 | 40212.2 | U/P |
| 28.400 | 0.0000 | 0.0000 | 91.535 | 1.45831 | 0.00000 | 286378.1 | 142180.0 | 40212.2 | U/P |
| 28.408 | 0.0000 | 0.0000 | 91.533 | 1.45793 | 0.00000 | 286378.1 | 142223.8 | 40212.2 | U/P |
| 28.417 | 0.0000 | 0.0000 | 91.531 | 1.45756 | 0.00000 | 286378.1 | 142267.5 | 40212.2 | U/P |
| 28.425 | 0.0000 | 0.0000 | 91.530 | 1.45719 | 0.00000 | 286378.1 | 142311.2 | 40212.2 | U/P |
| 28.433 | 0.0000 | 0.0000 | 91.528 | 1.45682 | 0.00000 | 286378.1 | 142354.9 | 40212.2 | U/P |
| 28.442 | 0.0000 | 0.0000 | 91.526 | 1.45645 | 0.00000 | 286378.1 | 142398.6 | 40212.2 | U/P |
| 28.450 | 0.0000 | 0.0000 | 91.525 | 1.45608 | 0.00000 | 286378.1 | 142442.3 | 40212.2 | U/P |
| 28.458 | 0.0000 | 0.0000 | 91.523 | 1.45570 | 0.00000 | 286378.1 | 142486.0 | 40212.2 | U/P |
| 28.467 | 0.0000 | 0.0000 | 91.521 | 1.45533 | 0.00000 | 286378.1 | 142529.6 | 40212.2 | U/P |
| 28.475 | 0.0000 | 0.0000 | 91.519 | 1.45496 | 0.00000 | 286378.1 | 142573.3 | 40212.2 | U/P |
| 28.483 | 0.0000 | 0.0000 | 91.518 | 1.45459 | 0.00000 | 286378.1 | 142616.9 | 40212.2 | U/P |
| 28.492 | 0.0000 | 0.0000 | 91.516 | 1.45422 | 0.00000 | 286378.1 | 142660.6 | 40212.2 | U/P |
| 28.500 | 0.0000 | 0.0000 | 91.514 | 1.45384 | 0.00000 | 286378.1 | 142704.2 | 40212.2 | U/P |
| 28.508 | 0.0000 | 0.0000 | 91.512 | 1.45347 | 0.00000 | 286378.1 | 142747.8 | 40212.2 | U/P |
| 28.517 | 0.0000 | 0.0000 | 91.511 | 1.45310 | 0.00000 | 286378.1 | 142791.4 | 40212.2 | U/P |
| 28.525 | 0.0000 | 0.0000 | 91.509 | 1.45273 | 0.00000 | 286378.1 | 142835.0 | 40212.2 | U/P |
| 28.533 | 0.0000 | 0.0000 | 91.507 | 1.45236 | 0.00000 | 286378.1 | 142878.6 | 40212.2 | U/P |
| 28.542 | 0.0000 | 0.0000 | 91.505 | 1.45199 | 0.00000 | 286378.1 | 142922.1 | 40212.2 | U/P |
| 28.550 | 0.0000 | 0.0000 | 91.504 | 1.45161 | 0.00000 | 286378.1 | 142965.7 | 40212.2 | U/P |
| 28.558 | 0.0000 | 0.0000 | 91.502 | 1.45124 | 0.00000 | 286378.1 | 143009.2 | 40212.2 | U/P |
| 28.567 | 0.0000 | 0.0000 | 91.500 | 1.45087 | 0.00000 | 286378.1 | 143052.8 | 40212.2 | U/P |
| 28.575 | 0.0000 | 0.0000 | 91.498 | 1.45050 | 0.00000 | 286378.1 | 143096.3 | 40212.2 | U/P |
| 28.583 | 0.0000 | 0.0000 | 91.497 | 1.45013 | 0.00000 | 286378.1 | 143139.8 | 40212.2 | U/P |
| 28.592 | 0.0000 | 0.0000 | 91.495 | 1.44975 | 0.00000 | 286378.1 | 143183.3 | 40212.2 | U/P |
| 28.600 | 0.0000 | 0.0000 | 91.493 | 1.44938 | 0.00000 | 286378.1 | 143226.8 | 40212.2 | U/P |
| 28.608 | 0.0000 | 0.0000 | 91.492 | 1.44901 | 0.00000 | 286378.1 | 143270.3 | 40212.2 | U/P |
| 28.617 | 0.0000 | 0.0000 | 91.490 | 1.44864 | 0.00000 | 286378.1 | 143313.7 | 40212.2 | U/P |
| 28.625 | 0.0000 | 0.0000 | 91.488 | 1.44827 | 0.00000 | 286378.1 | 143357.2 | 40212.2 | U/P |
| 28.633 | 0.0000 | 0.0000 | 91.486 | 1.44790 | 0.00000 | 286378.1 | 143400.6 | 40212.2 | U/P |
| 28.642 | 0.0000 | 0.0000 | 91.485 | 1.44752 | 0.00000 | 286378.1 | 143444.0 | 40212.2 | U/P |
| 28.650 | 0.0000 | 0.0000 | 91.483 | 1.44715 | 0.00000 | 286378.1 | 143487.5 | 40212.2 | U/P |
| 28.658 | 0.0000 | 0.0000 | 91.481 | 1.44678 | 0.00000 | 286378.1 | 143530.9 | 40212.2 | U/P |
| 28.667 | 0.0000 | 0.0000 | 91.479 | 1.44641 | 0.00000 | 286378.1 | 143574.3 | 40212.2 | U/P |
| 28.675 | 0.0000 | 0.0000 | 91.478 | 1.44604 | 0.00000 | 286378.1 | 143617.7 | 40212.2 | U/P |
| 28.683 | 0.0000 | 0.0000 | 91.476 | 1.44567 | 0.00000 | 286378.1 | 143661.0 | 40212.2 | U/P |
| 28.692 | 0.0000 | 0.0000 | 91.474 | 1.44529 | 0.00000 | 286378.1 | 143704.4 | 40212.2 | U/P |
| 28.700 | 0.0000 | 0.0000 | 91.472 | 1.44492 | 0.00000 | 286378.1 | 143747.8 | 40212.2 | U/P |
| 28.708 | 0.0000 | 0.0000 | 91.471 | 1.44455 | 0.00000 | 286378.1 | 143791.1 | 40212.2 | U/P |
| 28.717 | 0.0000 | 0.0000 | 91.469 | 1.44418 | 0.00000 | 286378.1 | 143834.4 | 40212.2 | U/P |
| 28.725 | 0.0000 | 0.0000 | 91.467 | 1.44381 | 0.00000 | 286378.1 | 143877.8 | 40212.2 | U/P |
| 28.733 | 0.0000 | 0.0000 | 91.465 | 1.44343 | 0.00000 | 286378.1 | 143821.0 | 40212.2 | U/P |
| 28.742 | 0.0000 | 0.0000 | 91.464 | 1.44306 | 0.00000 | 286378.1 | 143964.3 | 40212.2 | U/P |
| 28.750 | 0.0000 | 0.0000 | 91.462 | 1.44269 | 0.00000 | 286378.1 | 144007.6 | 40212.2 | U/P |
| 28.758 | 0.0000 | 0.0000 | 91.460 | 1.44232 | 0.00000 | 286378.1 | 144050.9 | 40212.2 | $U / P$ |
| 28.767 | 0.0000 | 0.0000 | 91.459 | 1.44195 | 0.00000 | 286378.1 | 144094.2 | 40212.2 | U/P |
| 28.775 | 0.0000 | 0.0000 | 91.457 | 1.44158 | 0.00000 | 286378.1 | 144137.4 | 40212.2 | U/P |
| 28.783 | 0.0000 | 0.0000 | 91.455 | 1.44120 | 0.00000 | 286378.1 | 144180.7 | 40212.2 | U/P |
| 28.792 | 0.0000 | 0.0000 | 91.453 | 1.44083 | 0.00000 | 286378.1 | 144223.9 | 40212.2 | U/P |
| 28.800 | 0.0000 | 0.0000 | 91.452 | 1.44046 | 0.00000 | 286378.1 | 144267.9 | 40212.2 | U/P |
| 28.808 | 0.0000 | 0.0000 | 91.450 | 1.44009 | 0.00000 | 286378.1 | 144310.3 | 40212.2 | U/P |
| 28.817 | 0.0000 | 0.0000 | 91.448 | 1.43972 | 0.00000 | 286378.1 | 144353.5 | 40212.2 | U/P |
| 28.825 | 0.0000 | 0.0000 | 91.446 | 1.43935 | 0.00000 | 286378.1 | 144396.7 | 40212.2 | U/P |
| 28.833 | 0.0000 | 0.0000 | 91.445 | 1.43897 | 0.00000 | 286378.1 | 144439.9 | 40212.2 | U/P |
| 28.842 | 0.0000 | 0.0000 | 91.443 | 1.43860 | 0.00000 | 286378.1 | 144483.0 | 40212.2 | U/P |
| 28.850 | 0.0000 | 0.0000 | 91.441 | 1.43823 | 0.00000 | 286378.1 | 144526.2 | 40212.2 | U/P |
| 28.858 | 0.0000 | 0.0000 | 91.439 | 1.43786 | 0.00000 | 286378.1 | 144569.3 | 40212.2 | U/P |
| 28.867 | 0.0000 | 0.0000 | 91.438 | 1.43749 | 0.00000 | 286378.1 | 144612.5 | 40212.2 | U/P |
| 28.875 | 0.0000 | 0.0000 | 91.436 | 1.43711 | 0.00000 | 286378.1 | 144655.6 | 40212.2 | U/P |
| 28.883 | 0.0000 | 0.0000 | 91.434 | 1.43674 | 0.00000 | 286378.1 | 144698.7 | 40212.2 | U/P |
| 28.892 | 0.0000 | 0.0000 | 91.433 | 1.43637 | 0.00000 | 286378.1 | 144741.8 | 40212.2 | U/P |
| 28.900 | 0.0000 | 0.0000 | 91.431 | 1.43600 | 0.00000 | 286378.1 | 144784.9 | 40212.2 | U/P |
| 28.908 | 0.0000 | 0.0000 | 91.429 | 1.43563 | 0.00000 | 286378.1 | 144828.0 | 40212.2 | U/P |
| 28.917 | 0.0000 | 0.0000 | 91.427 | 1.43526 | 0.00000 | 286378.1 | 144871.0 | 40212.2 | U/P |
| 28.925 | 0.0000 | 0.0000 | 91.426 | 1.43488 | 0.00000 | 286378.1 | 144914.1 | 40212.2 | U/P |
| 28.933 | 0.0000 | 0.0000 | 91.424 | 1.43451 | 0.00000 | 286378.1 | 144957.1 | 40212.2 | U/P |
| 28.942 | 0.0000 | 0.0000 | 91.422 | 1.43414 | 0.00000 | 286378.1 | 145000.1 | 40212.2 | U/P |
| 28.950 | 0.0000 | 0.0000 | 91.420 | 1.43377 | 0.00000 | 286378.1 | 145043.2 | 40212.2 | U/P |
| 28.958 | 0.0000 | 0.0000 | 91.419 | 1.43340 | 0.00000 | 286378.1 | 145086.2 | 40212.2 | U/P |
| 28.967 | 0.0000 | 0.0000 | 91.417 | 1.43302 | 0.00000 | 286378.1 | 145129.2 | 40212.2 | U/P |
| 28.975 | 0.0000 | 0.0000 | 91.415 | 1.43265 | 0.00000 | 286378.1 | 145172.2 | 40212.2 | U/P |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: Pond 4100 yr/24 hr

| Elapsed Time (hours) | Inflow <br> Rate <br> ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infittration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overlow Discharge $\left(\mathrm{H}^{3} / \mathrm{s}\right)$ | Cumulative Inflow Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{fl}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 28.983 | 0.0000 | 0.0000 | 91.413 | 1.43228 | 0.00000 | 286378.1 | 145215.1 | 40212.2 | U/P |
| 28.992 | 0.0000 | 0.0000 | 91.412 | 1.43191 | 0.00000 | 286378.1 | 145258.1 | 40212.2 | U/P |
| 29.000 | 0.0000 | 0.0000 | 91.410 | 1.43154 | 0.00000 | 286378.1 | 145301.0 | 40212.2 | U/P |
| 29.008 | 0.0000 | 0.0000 | 91.408 | 1.43117 | 0.00000 | 286378.1 | 145344.0 | 40212.2 | U/P |
| 29.017 | 0.0000 | 0.0000 | 91.406 | 1.43079 | 0.00000 | 286378.1 | 145386.9 | 40212.2 | U/P |
| 29.025 | 0.0000 | 0.0000 | 91.405 | $\uparrow .43042$ | 0.00000 | 286378.1 | 145429.8 | 40212.2 | U/P |
| 29.033 | 0.0000 | 0.0000 | 91.403 | 1.43005 | 0.00000 | 286378.1 | 145472.7 | 40212.2 | U/P |
| 29.042 | 0.0000 | 0.0000 | 91.401 | 1.42968 | 0.00000 | 286378.1 | 145515.6 | 40212.2 | U/P |
| 29.050 | 0.0000 | 0.0000 | 91.400 | 1.42931 | 0.00000 | 286378.1 | 145558.5 | 40212.2 | U/P |
| 29.058 | 0.0000 | 0.0000 | 91.398 | 1.42894 | 0.00000 | 286378.1 | 145601.4 | 40212.2 | U/P |
| 29.067 | 0.0000 | 0.0000 | 91.396 | 1.42856 | 0.00000 | 286378.1 | 145644.3 | 40212.2 | U/P |
| 29.075 | 0.0000 | 0.0000 | 91.394 | 1.42819 | 0.00000 | 286378.1 | 145687.1 | 40212.2 | U/P |
| 29.083 | 0.0000 | 0.0000 | 91.393 | 1.42782 | 0.00000 | 286378.1 | 145729.9 | 40212.2 | U/P |
| 29.092 | 0.0000 | 0.0000 | 91.391 | 1.42745 | 0.00000 | 286378.1 | 145772.8 | 40212.2 | U/P |
| 29.100 | 0.0000 | 0.0000 | 91.389 | 1.42708 | 0.00000 | 286378.1 | 145815.6 | 40212.2 | U/P |
| 29.108 | 0.0000 | 0.0000 | 91.387 | 1.42670 | 0.00000 | 286378.1 | 145858.4 | 40212.2 | U/P |
| 29.117 | 0.0000 | 0.0000 | 91.386 | 1.42633 | 0.00000 | 286378.1 | 145901.2 | 40212.2 | U/P |
| 29.125 | 0.0000 | 0.0000 | 91.384 | 1.42596 | 0.00000 | 286378.1 | 145944.0 | 40212.2 | U/P |
| 29.133 | 0.0000 | 0.0000 | 91.382 | 1.42559 | 0.00000 | 286378.1 | 145986.8 | 40212.2 | U/P |
| 29.142 | 0.0000 | 0.0000 | 91.380 | 1.42522 | 0.00000 | 286378.1 | 146029.5 | 40212.2 | U/P |
| 29.150 | 0.0000 | 0.0000 | 91.379 | 1.42485 | 0.00000 | 286378.1 | 146072.3 | 40212.2 | U/P |
| 29.158 | 0.0000 | 0.0000 | 91.377 | 1.42447 | 0.00000 | 286378.1 | 146115.0 | 40212.2 | U/P |
| 29.167 | 0.0000 | 0.0000 | 91.375 | 1.42410 | 0.00000 | 286378.1 | 146157.7 | 40212.2 | U/P |
| 29.175 | 0.0000 | 0.0000 | 91.373 | 1.42373 | 0.00000 | 286378.1 | 146200.5 | 40212.2 | U/P |
| 29.183 | 0.0000 | 0.0000 | 91.372 | 1.42336 | 0.00000 | 286378.1 | 146243.2 | 40212.2 | U/P |
| 29.192 | 0.0000 | 0.0000 | 91.370 | 1.42299 | 0.00000 | 286378.1 | 146285.8 | 40212.2 | U/P |
| 29.200 | 0.0000 | 0.0000 | 91.368 | 1.42261 | 0.00000 | 286378.1 | 146328.5 | 40212.2 | U/P |
| 29.208 | 0.0000 | 0.0000 | 91.367 | 1.42224 | 0.00000 | 286378.1 | 146371.2 | 40212.2 | U/P |
| 29.217 | 0.0000 | 0.0000 | 91.365 | 1.42187 | 0.00000 | 286378.1 | 146413.9 | 40212.2 | U/P |
| 29.225 | 0.0000 | 0.0000 | 91.363 | 1.42150 | 0.00000 | 286378.1 | 146456.5 | 40212.2 | U/P |
| 29.233 | 0.0000 | 0.0000 | 91.361 | 1.42113 | 0.00000 | 286378.1 | 146499.2 | 40212.2 | U/P |
| 29.242 | 0.0000 | 0.0000 | 91.360 | 1.42076 | 0.00000 | 286378.1 | 146541.8 | 40212.2 | U/P |
| 29.250 | 0.0000 | 0.0000 | 91.358 | 1.42038 | 0.00000 | 286378.1 | 146584.4 | 40212.2 | U/P |
| 29.258 | 0.0000 | 0.0000 | 91.356 | 1.42001 | 0.00000 | 286378.1 | 146627.0 | 40212.2 | U/P |
| 29.267 | 0.0000 | 0.0000 | 91.354 | 1.41964 | 0.00000 | 286378.1 | 146669.6 | 40212.2 | U/P |
| 29.275 | 0.0000 | 0.0000 | 91.353 | 1.41927 | 0.00000 | 286378.1 | 146712.2 | 40212.2 | U/P |
| 29.283 | 0.0000 | 0.0000 | 91.351 | 1.41890 | 0.00000 | 286378.1 | 146754.8 | 40212.2 | U/P |
| 29.292 | 0.0000 | 0.0000 | 91.349 | 1.41853 | 0.00000 | 286378.1 | 146797.3 | 40212.2 | U/P |
| 29.300 | 0.0000 | 0.0000 | 91.347 | 1.41815 | 0.00000 | 286378.1 | 146839.9 | 40212.2 | U/P |
| 29.308 | 0.0000 | 0.0000 | 91.346 | 1.41778 | 0.00000 | 286378.1 | 146882.4 | 40212.2 | U/P |
| 29.317 | 0.0000 | 0.0000 | 91.344 | 1.41741 | 0.00000 | 286378.1 | 146924.9 | 40212.2 | U/P |
| 29.325 | 0.0000 | 0.0000 | 91.342 | 1.41704 | 0.00000 | 286378.1 | 146967.5 | 40212.2 | U/P |
| 29.333 | 0.0000 | 0.0000 | 91.340 | 1.41667 | 0.00000 | 286378.1 | 147010.0 | 40212.2 | U/P |
| 29.342 | 0.0000 | 0.0000 | 91.339 | 1.41629 | 0.00000 | 286378.1 | 147052.5 | 40212.2 | U/P |
| 29.350 | 0.0000 | 0.0000 | 91.337 | 1.41592 | 0.00000 | 286378.1 | 147094.9 | 40212.2 | U/P |
| 29.358 | 0.0000 | 0.0000 | 91.335 | 1.41555 | 0.00000 | 286378.1 | 147137.4 | 40212.2 | U/P |
| 29.367 | 0.0000 | 0.0000 | 91.334 | 1.41518 | 0.00000 | 286378.1 | 147179.9 | 40212.2 | U/P |
| 29.375 | 0.0000 | 0.0000 | 91.332 | 1.41481 | 0.00000 | 286378.1 | 147222.3 | 40212.2 | U/P |
| 29.383 | 0.0000 | 0.0000 | 91.330 | 1.41444 | 0.00000 | 286378.1 | 147264.8 | 40212.2 | U/P |
| 29.392 | 0.0000 | 0.0000 | 91.328 | 1.41406 | 0.00000 | 286378.1 | 147307.2 | 40212.2 | U/P |
| 29.400 | 0.0000 | 0.0000 | 91.327 | 1.41369 | 0.00000 | 286378.1 | 147349.6 | 40212.2 | U/P |
| 29.408 | 0.0000 | 0.0000 | 91.325 | 1.41332 | 0.00000 | 286378.1 | 147392.0 | 40212.2 | U/P |
| 29.417 | 0.0000 | 0.0000 | 91.323 | 1.41295 | 0.00000 | 286378.1 | 147434.4 | 40212.2 | U/P |
| 29.425 | 0.0000 | 0.0000 | 91.321 | 1.41258 | 0.00000 | 286378.1 | 147476.8 | 40212.2 | U/P |
| 29.433 | 0.0000 | 0.0000 | 91.320 | 1.41220 | 0.00000 | 286378.1 | 147519.2 | 40212.2 | U/P |
| 29.442 | 0.0000 | 0.0000 | 91.318 | 1.41183 | 0.00000 | 286378.1 | 147561.5 | 40212.2 | U/P |
| 29.450 | 0.0000 | 0.0000 | 91.316 | 1.41146 | 0.00000 | 286378.1 | 147603.9 | 40212.2 | U/P |
| 29.458 | 0.0000 | 0.0000 | 91.314 | 1.41109 | 0.00000 | 286378.1 | 147646.2 | 40212.2 | U/P |
| 29.467 | 0.0000 | 0.0000 | 91.313 | 1.41072 | 0.00000 | 286378.1 | 147688.5 | 40212.2 | U/P |
| 29.475 | 0.0000 | 0.0000 | 91.311 | 1.41035 | 0.00000 | 286378.1 | 147730.8 | 40212.2 | U/P |
| 29.483 | 0.0000 | 0.0000 | 91.309 | 1.40997 | 0.00000 | 286378.1 | 147773.2 | 40212.2 | U/P |
| 29.492 | 0.0000 | 0.0000 | 91.307 | 1.40960 | 0.00000 | 286378.1 | 147815.5 | 40212.2 | U/P |
| 29.500 | 0.0000 | 0.0000 | 91.306 | 1.40923 | 0.00000 | 286378.1 | 147857.7 | 40212.2 | U/P |
| 29.508 | 0.0000 | 0.0000 | 91.304 | 1.40886 | 0.00000 | 286378.1 | 147900.0 | 40212.2 | U/P |
| 29.517 | 0.0000 | 0.0000 | 91.302 | 1.40849 | 0.00000 | 286378.1 | 147942.3 | 40212.2 | U/P |
| 29.525 | 0.0000 | 0.0000 | 91.301 | 1.40812 | 0.00000 | 286378.1 | 147984.5 | 40212.2 | U/P |
| 29.533 | 0.0000 | 0.0000 | 91.299 | 1.40774 | 0.00000 | 286378.1 | 148026.8 | 40212.2 | U/P |
| 29.542 | 0.0000 | 0.0000 | 91.297 | 1.40737 | 0.00000 | 286378.1 | 148069.0 | 40212.2 | U/P |
| 29.550 | 0.0000 | 0.0000 | 91.295 | 1.40700 | 0.00000 | 286378.1 | 148111.2 | 40212.2 | U/P |
| 29.558 | 0.0000 | 0.0000 | 91.294 | 1.40663 | 0.00000 | 286378.1 | 148153.4 | 40212.2 | U/P |
| 29.567 | 0.0000 | 0.0000 | 91.292 | 1.40626 | 0.00000 | 286378.1 | 148195.6 | 40212.2 | U/P |
| 29.575 | 0.0000 | 0.0000 | 91.290 | 1.40588 | 0.00000 | 286378.1 | 148237.8 | 40212.2 | U/P |
| 29.583 | 0.0000 | 0.0000 | 91.288 | 1.40551 | 0.00000 | 286378.1 | 148279.9 | 40212.2 | U/P |
| 29.592 | 0.0000 | 0.0000 | 91.287 | 1.40514 | 0.00000 | 286378.1 | 148322.1 | 40212.2 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $4100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate (f $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge ( $\mathrm{H} / \mathrm{d}$ day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overfow Discharge ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{t}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative <br> Discharge <br> Volume ( $\mathrm{t}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 29.600 | 0.0000 | 0.0000 | 91.285 | 1.40477 | 0.00000 | 286378.1 | 148364.3 | 40212.2 | U/P |
| 29.608 | 0.0000 | 0.0000 | 91.283 | 1.40440 | 0.00000 | 286378.1 | 148406.4 | 40212.2 | U/P |
| 29.617 | 0.0000 | 0.0000 | 91.281 | 1.40403 | 0.00000 | 286378.1 | 148448.5 | 40212.2 | U/P |
| 29.625 | 0.0000 | 0.0000 | 91.280 | 1.40365 | 0.00000 | 286378.1 | 148490.6 | 40212.2 | U/P |
| 29.633 | 0.0000 | 0.0000 | 91.278 | 1.40328 | 0.00000 | 286378.1 | 148532.7 | 40212.2 | U/P |
| 29.642 | 0.0000 | 0.0000 | 91.276 | 1.40291 | 0.00000 | 286378.1 | 148574.8 | 40212.2 | U/P |
| 29.650 | 0.0000 | 0.0000 | 91.275 | 1.40254 | 0.00000 | 286378.1 | 148616.9 | 40212.2 | U/P |
| 29.658 | 0.0000 | 0.0000 | 91.273 | 1.40217 | 0.00000 | 286378.1 | 148659.0 | 40212.2 | U/P |
| 29.667 | 0.0000 | 0.0000 | 91.271 | 1.40179 | 0.00000 | 286378.1 | 148701.0 | 40212.2 | U/P |
| 29.675 | 0.0000 | 0.0000 | 91.269 | 1.40142 | 0.00000 | 286378.1 | 148743.1 | 40212.2 | U/P |
| 29.683 | 0.0000 | 0.0000 | 91.268 | 1.40105 | 0.00000 | 286378.1 | 148785.1 | 40212.2 | U/P |
| 29.692 | 0.0000 | 0.0000 | 91.266 | 1.40068 | 0.00000 | 286378.1 | 148827.1 | 40212.2 | U/P |
| 29.700 | 0.0000 | 0.0000 | 91.264 | 1.40031 | 0.00000 | 286378.1 | 148869.2 | 40212.2 | U/P |
| 29.708 | 0.0000 | 0.0000 | 91.262 | 1.39994 | 0.00000 | 286378.1 | 148911.2 | 40212.2 | U/P |
| 29.717 | 0.0000 | 0.0000 | 91.261 | 1.39956 | 0.00000 | 286378.1 | 148953.2 | 40212.2 | U/P |
| 29.725 | 0.0000 | 0.0000 | 91.259 | 1.39919 | 0.00000 | 286378.1 | 148995.1 | 40212.2 | U/P |
| 29.733 | 0.0000 | 0.0000 | 91.257 | 1.39882 | 0.00000 | 286378.1 | 149037.1 | 40212.2 | U/P |
| 29.742 | 0.0000 | 0.0000 | 91.255 | 1.39845 | 0.00000 | 286378.1 | 149079.1 | 40212.2 | U/P |
| 29.750 | 0.0000 | 0.0000 | 91.254 | 1.39808 | 0.00000 | 286378.1 | 149121.0 | 40212.2 | U/P |
| 29.758 | 0.0000 | 0.0000 | 91.252 | 1.39771 | 0.00000 | 286378.1 | 149163.0 | 40212.2 | U/P |
| 29.767 | 0.0000 | 0.0000 | 91.250 | 1.39733 | 0.00000 | 286378.1 | 149204.9 | 40212.2 | U/P |
| 29.775 | 0.0000 | 0.0000 | 91.248 | 1.39696 | 0.00000 | 286378.1 | 149246.8 | 40212.2 | U/P |
| 29.783 | 0.0000 | 0.0000 | 91.247 | 1.39659 | 0.00000 | 286378.1 | 149288.7 | 40212.2 | U/P |
| 29.792 | 0.0000 | 0.0000 | 91.245 | 1.39622 | 0.00000 | 286378.1 | 149330.6 | 40212,2 | U/P |
| 29.800 | 0.0000 | 0.0000 | 91.243 | 1.39585 | 0.00000 | 286378.1 | 149372.5 | 40212.2 | U/P |
| 29.808 | 0.0000 | 0.0000 | 91.242 | 1.39547 | 0.00000 | 286378.1 | 149414.3 | 40212.2 | U/P |
| 29.817 | 0.0000 | 0.0000 | 91.240 | 1.39510 | 0.00000 | 286378.1 | 149456.2 | 40212.2 | U/P |
| 29.825 | 0.0000 | 0.0000 | 91.238 | 1.39473 | 0.00000 | 286378.1 | 149498.0 | 40212.2 | U/P |
| 29.833 | 0.0000 | 0.0000 | 91.236 | 1.39436 | 0.00000 | 286378.1 | 149539.9 | 40212.2 | U/P |
| 29.842 | 0.0000 | 0.0000 | 91.235 | 1.39399 | 0.00000 | 286378.1 | 149581.7 | 40212.2 | U/P |
| 29.850 | 0.0000 | 0.0000 | 91.233 | 1.39362 | 0.00000 | 286378.1 | 149623.5 | 40212.2 | U/P |
| 29.858 | 0.0000 | 0.0000 | 91.231 | 1.39324 | 0.00000 | 286378.1 | 149665.3 | 40212.2 | U/P |
| 29.867 | 0.0000 | 0.0000 | 91.229 | 1.39287 | 0.00000 | 286378.1 | 149707.1 | 40212.2 | U/P |
| 29.875 | 0.0000 | 0.0000 | 91.228 | 1.39250 | 0.00000 | 286378.1 | 149748.9 | 40212.2 | U/P |
| 29.883 | 0.0000 | 0.0000 | 91.226 | 1.39213 | 0.00000 | 286378.1 | 149790.7 | 40212.2 | U/P |
| 29.892 | 0.0000 | 0.0000 | 91.224 | 1.39176 | 0.00000 | 286378.1 | 149832.4 | 40212.2 | U/P |
| 29.900 | 0.0000 | 0.0000 | 91.222 | 1.39138 | 0.00000 | 286378.1 | 149874.2 | 40212.2 | U/P |
| 29.908 | 0.0000 | 0.0000 | 91.221 | 1.39101 | 0.00000 | 286378.1 | 149915.9 | 40212.2 | U/P |
| 29.917 | 0.0000 | 0.0000 | 91.219 | 1.39064 | 0.00000 | 286378.1 | 149957.6 | 40212.2 | U/P |
| 29.925 | 0.0000 | 0.0000 | 91.217 | 1.39027 | 0.00000 | 286378.1 | 149999.3 | 40212.2 | U/P |
| 29.933 | 0.0000 | 0.0000 | 91.215 | 1.38990 | 0.00000 | 286378.1 | 150041.0 | 40212.2 | U/P |
| 29.942 | 0.0000 | 0.0000 | 91.214 | 1.38953 | 0.00000 | 286378.1 | 150082.7 | 40212.2 | U/P |
| 29.950 | 0.0000 | 0.0000 | 91.212 | 1.38915 | 0.00000 | 286378.1 | 150124.4 | 40212.2 | U/P |
| 29.958 | 0.0000 | 0.0000 | 91.210 | 1.38878 | 0.00000 | 286378.1 | 150166.1 | 40212.2 | U/P |
| 29.967 | 0.0000 | 0.0000 | 91.209 | 1.38841 | 0.00000 | 286378.1 | 150207.8 | 40212.2 | U/P |
| 29.975 | 0.0000 | 0.0000 | 91.207 | 1.38804 | 0.00000 | 286378.1 | 150249.4 | 40212.2 | U/P |
| 29.983 | 0.0000 | 0.0000 | 91.205 | 1.38767 | 0.00000 | 286378.1 | 150291.0 | 40212.2 | U/P |
| 29.992 | 0.0000 | 0.0000 | 91.203 | 1.38730 | 0.00000 | 286378.1 | 150332.7 | 40212.2 | U/P |
| 30.000 | 0.0000 | 0.0000 | 91.202 | 1.38692 | 0.00000 | 286378.1 | 150374.3 | 40212.2 | U/P |
| 30.008 | 0.0000 | 0.0000 | 91.200 | 1.38655 | 0.00000 | 286378.1 | 150415.9 | 40212.2 | U/P |
| 30.017 | 0.0000 | 0.0000 | 91.198 | 1.38618 | 0.00000 | 286378.1 | 150457.5 | 40212.2 | U/P |
| 30.025 | 0.0000 | 0.0000 | 91.196 | 1.38581 | 0.00000 | 286378.1 | 150499.0 | 40212.2 | U/P |
| 30.033 | 0.0000 | 0.0000 | 91.195 | 1.38544 | 0.00000 | 286378.1 | 150540.6 | 40212.2 | U/P |
| 30.042 | 0.0000 | 0.0000 | 91.193 | 1.38506 | 0.00000 | 286378.1 | 150582.2 | 40212.2 | U/P |
| 30.050 | 0.0000 | 0.0000 | 91.191 | 1.38469 | 0.00000 | 286378.1 | 150623.7 | 40212.2 | U/P |
| 30.058 | 0.0000 | 0.0000 | 91.189 | 1.38432 | 0.00000 | 286378.1 | 150665.3 | 40212.2 | U/P |
| 30.067 | 0.0000 | 0.0000 | 91.188 | 1.38395 | 0.00000 | 286378.1 | 150706.8 | 40212.2 | U/P |
| 30.075 | 0.0000 | 0.0000 | 91.186 | 1.38358 | 0.00000 | 286378.1 | 150748.3 | 40212.2 | U/P |
| 30.083 | 0.0000 | 0.0000 | 91.184 | 1.38321 | 0.00000 | 286378.1 | 150789.8 | 40212.2 | U/P |
| 30.092 | 0.0000 | 0.0000 | 91.182 | 1.38283 | 0.00000 | 286378.1 | 150831.3 | 40212.2 | U/P |
| 30.100 | 0.0000 | 0.0000 | 91.181 | 1.38246 | 0.00000 | 286378.1 | 150872.8 | 40212.2 | U/P |
| 30.108 | 0.0000 | 0.0000 | 91.179 | 1.38209 | 0.00000 | 286378.1 | 150914.2 | 40212.2 | U/P |
| 30.117 | 0.0000 | 0.0000 | 91.177 | 1.38172 | 0.00000 | 286378.1 | 150955.7 | 40212.2 | U/P |
| 30.125 | 0.0000 | 0.0000 | 91.776 | 1.38135 | 0.00000 | 286378.1 | 150997.1 | 40212.2 | U/P |
| 30.133 | 0.0000 | 0.0000 | 91.174 | 1.38097 | 0.00000 | 286378.1 | 151038.6 | 40212.2 | U/P |
| 30.142 | 0.0000 | 0.0000 | 91.172 | 1.38060 | 0.00000 | 286378.1 | 151080.0 | 40212.2 | U/P |
| 30.150 | 0.0000 | 0.0000 | 91.170 | 1.38023 | 0.00000 | 286378.1 | 151121.4 | 40212.2 | U/P |
| 30.158 | 0.0000 | 0.0000 | 91.169 | 1.37986 | 0.00000 | 286378.1 | 151162.8 | 40212.2 | U/P |
| 30.167 | 0.0000 | 0.0000 | 91.167 | 1.37949 | 0.00000 | 286378.1 | 151204.2 | 40212.2 | U/P |
| 30.175 | 0.0000 | 0.0000 | 91.165 | 1.37912 | 0.00000 | 286378.1 | 151245.6 | 40212.2 | U/P |
| 30.183 | 0.0000 | 0.0000 | 91.163 | 1.37874 | 0.00000 | 286378.1 | 151286.9 | 40212.2 | U/P |
| 30.192 | 0.0000 | 0.0000 | 91.162 | 1.37837 | 0.00000 | 286378.1 | 151328.3 | 40212.2 | U/P |
| 30.200 | 0.0000 | 0.0000 | 91.160 | 1.37800 | 0.00000 | 286378.1 | 151369.6 | 40212.2 | U/P |
| 30.208 | 0.0000 | 0.0000 | 91.158 | 1.37763 | 0.00000 | 286378.1 | 151411.0 | 40212.2 | U/P |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: Pond $4100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate (ft/s) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infítration Rate (f13/s) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume $\left(\mathrm{fl}^{3}\right)$ | Cumulative infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30.217 | 0.0000 | 0.0000 | 91.156 | 1.37726 | 0.00000 | 286378.1 | 151452.3 | 40212.2 | U/P |
| 30.225 | 0.0000 | 0.0000 | 91.155 | 1.37688 | 0.00000 | 286378.1 | 151493.6 | 40212.2 | U/P |
| 30.233 | 0.0000 | 0.0000 | 91.153 | 1.37651 | 0.00000 | 286378.1 | 151534.9 | 40212.2 | U/P |
| 30.242 | 0.0000 | 0.0000 | 91.151 | 1.37614 | 0.00000 | 286378.1 | 151576.2 | 40212.2 | U/P |
| 30.250 | 0.0000 | 0.0000 | 91.149 | 1.37577 | 0.00000 | 286378.1 | 151617.5 | 40212.2 | U/P |
| 30.258 | 0.0000 | 0.0000 | 91.148 | 1.37540 | 0.00000 | 286378.1 | 151658.8 | 40212.2 | U/P |
| 30.267 | 0.0000 | 0.0000 | 91.146 | 1.37503 | 0.00000 | 286378.1 | 151700.0 | 40212.2 | U/P |
| 30.275 | 0.0000 | 0.0000 | 91.144 | 1.37465 | 0.00000 | 286378.1 | 151741.3 | 40212.2 | U/P |
| 30.283 | 0.0000 | 0.0000 | 91.143 | 1.37428 | 0.00000 | 286378.1 | 151782.5 | 40212.2 | U/P |
| 30.292 | 0.0000 | 0.0000 | 91.141 | 1.37391 | 0.00000 | 286378.1 | 151823.7 | 40212.2 | U/P |
| 30.300 | 0.0000 | 0.0000 | 91.139 | 1.37354 | 0.00000 | 286378.1 | 151864.9 | 40212.2 | U/P |
| 30.308 | 0.0000 | 0.0000 | 91.137 | 1.37317 | 0.00000 | 286378.1 | 151906.1 | 40212.2 | U/P |
| 30.317 | 0.0000 | 0.0000 | 91.136 | 1.37280 | 0.00000 | 286378.1 | 151947.3 | 40212.2 | U/P |
| 30.325 | 0.0000 | 0.0000 | 91.134 | 1.37242 | 0.00000 | 286378.1 | 151988.5 | 40212.2 | U/P |
| 30.333 | 0.0000 | 0.0000 | 91.132 | 1.37205 | 0.00000 | 286378.1 | 152029.7 | 40212.2 | U/P |
| 30.342 | 0.0000 | 0.0000 | 91.130 | 1.37168 | 0.00000 | 286378.1 | 152070.8 | 40212.2 | U/P |
| 30.350 | 0.0000 | 0.0000 | 91.129 | 1.37131 | 0.00000 | 286378.1 | 152112.0 | 40212.2 | U/P |
| 30.358 | 0.0000 | 0.0000 | 91.127 | 1.37094 | 0.00000 | 286378.1 | 152153.1 | 40212.2 | U/P |
| 30.367 | 0.0000 | 0.0000 | 91.125 | 1.37056 | 0.00000 | 286378.1 | 152194.2 | 40212.2 | U/P |
| 30.375 | 0.0000 | 0.0000 | 91.123 | 1.37019 | 0.00000 | 286378.1 | 152235.3 | 40212.2 | U/P |
| 30.383 | 0.0000 | 0.0000 | 91.122 | 1.36982 | 0.00000 | 286378.1 | 152276.4 | 40212.2 | U/P |
| 30.392 | 0.0000 | 0.0000 | 91.120 | 1.36945 | 0.00000 | 286378.1 | 152317.5 | 40212.2 | U/P |
| 30.400 | 0.0000 | 0.0000 | 91.118 | 1.36908 | 0.00000 | 286378.1 | 152358.6 | 40212.2 | U/P |
| 30.408 | 0.0000 | 0.0000 | 91.116 | 1.36871 | 0.00000 | 286378.1 | 152399.7 | 40212.2 | U/P |
| 30.417 | 0.0000 | 0.0000 | 91.115 | 1.36833 | 0.00000 | 286378.1 | 152440.7 | 40212.2 | U/P |
| 30.425 | 0.0000 | 0.0000 | 91.113 | 1.36796 | 0.00000 | 286378.1 | 152481.8 | 40212.2 | U/P |
| 30.433 | 0.0000 | 0.0000 | 91.111 | 1.36759 | 0.00000 | 286378.1 | 152522.8 | 40212.2 | U/P |
| 30.442 | 0.0000 | 0.0000 | 91.110 | 1.36722 | 0.00000 | 286378.1 | 152563.8 | 40212.2 | U/P |
| 30.450 | 0.0000 | 0.0000 | 91.108 | 1.36685 | 0.00000 | 286378.1 | 152604.8 | 40212.2 | U/P |
| 30.458 | 0.0000 | 0.0000 | 91.106 | 1.36648 | 0.00000 | 286378.1 | 152645.8 | 40212.2 | U/P |
| 30.467 | 0.0000 | 0.0000 | 91.104 | 1.36610 | 0.00000 | 286378.1 | 152686.8 | 40212.2 | U/P |
| 30.475 | 0.0000 | 0.0000 | 91.103 | 1.36573 | 0.00000 | 286378.1 | 152727.8 | 40212.2 | U/P |
| 30.483 | 0.0000 | 0.0000 | 91.101 | 1.36536 | 0.00000 | 286378.1 | 152768.8 | 40212.2 | U/P |
| 30.492 | 0.0000 | 0.0000 | 91.099 | 1.36499 | 0.00000 | 286378.1 | 152809.7 | 40212.2 | U/P |
| 30.500 | 0.0000 | 0.0000 | 91.097 | 1.36462 | 0.00000 | 286378.1 | 152850.7 | 40212.2 | U/P |
| 30.508 | 0.0000 | 0.0000 | 91.096 | 1.36424 | 0.00000 | 286378.1 | 152891.6 | 40212.2 | U/P |
| 30.517 | 0.0000 | 0.0000 | 91.094 | 1.36387 | 0.00000 | 286378.1 | 152932.5 | 40212.2 | U/P |
| 30.525 | 0.0000 | 0.0000 | 91.092 | 1.36350 | 0.00000 | 286378.1 | 152973.4 | 40212.2 | U/P |
| 30.533 | 0.0000 | 0.0000 | 91.090 | 1.36313 | 0.00000 | 286378.1 | 153014.3 | 40212.2 | U/P |
| 30.542 | 0.0000 | 0.0000 | 91.089 | 1.36276 | 0.00000 | 286378.1 | 153055.2 | 40212.2 | U/P |
| 30.550 | 0.0000 | 0.0000 | 91.087 | 1.36239 | 0.00000 | 286378.1 | 153096.1 | 40212.2 | U/P |
| 30.558 | 0.0000 | 0.0000 | 91.085 | 1.36201 | 0.00000 | 286378.1 | 153137.0 | 40212.2 | U/P |
| 30.567 | 0.0000 | 0.0000 | 91.084 | 1.36164 | 0.00000 | 286378.1 | 153177.8 | 40212.2 | U/P |
| 30.575 | 0.0000 | 0.0000 | 91.082 | 1.36127 | 0.00000 | 286378.1 | 153218.6 | 40212.2 | U/P |
| 30.583 | 0.0000 | 0.0000 | 91.080 | 1.36090 | 0.00000 | 286378.1 | 153259.5 | 40212.2 | U/P |
| 30.592 | 0.0000 | 0.0000 | 91.078 | 1.36053 | 0.00000 | 286378.1 | 153300.3 | 40212.2 | U/P |
| 30.600 | 0.0000 | 0.0000 | 91.077 | 1.36015 | 0.00000 | 286378.1 | 153341.1 | 40212.2 | U/P |
| 30.608 | 0.0000 | 0.0000 | 91.075 | 1.35978 | 0.00000 | 286378.1 | 153381.9 | 40212.2 | U/P |
| 30.617 | 0.0000 | 0.0000 | 91.073 | 1.35941 | 0.00000 | 286378.1 | 153422.7 | 40212.2 | U/P |
| 30.625 | 0.0000 | 0.0000 | 91.071 | 1.35904 | 0.00000 | 286378.1 | 153463.5 | 40212.2 | U/P |
| 30.633 | 0.0000 | 0.0000 | 91.070 | 1.35867 | 0.00000 | 286378.1 | 153504.2 | 40212.2 | U/P |
| 30.642 | 0.0000 | 0.0000 | 91.068 | 1.35830 | 0.00000 | 286378.1 | 153545.0 | 40212.2 | U/P |
| 30.650 | 0.0000 | 0.0000 | 91.066 | 1.35792 | 0.00000 | 286378.1 | 153585.7 | 40212.2 | U/P |
| 30.658 | 0.0000 | 0.0000 | 91.064 | 1.35755 | 0.00000 | 286378.1 | 153626.5 | 40212.2 | U/P |
| 30.667 | 0.0000 | 0.0000 | 91.063 | 1.35718 | 0.00000 | 286378.1 | 153667.2 | 40212.2 | U/P |
| 30.675 | 0.0000 | 0.0000 | 91.061 | 1.35681 | 0.00000 | 286378.1 | 153707.9 | 40212.2 | U/P |
| 30.683 | 0.0000 | 0.0000 | 91.059 | 1.35644 | 0.00000 | 286378.1 | 153748.6 | 40212.2 | U/P |
| 30.692 | 0.0000 | 0.0000 | 91.057 | 1.35606 | 0.00000 | 286378.1 | 153789.3 | 40212.2 | U/P |
| 30.700 | 0.0000 | 0.0000 | 91.056 | 1.35569 | 0.00000 | 286378.1 | 153830.0 | 40212.2 | U/P |
| 30.708 | 0.0000 | 0.0000 | 91.054 | 1.35532 | 0.00000 | 286378.1 | 153870.6 | 40212.2 | U/P |
| 30.717 | 0.0000 | 0.0000 | 91.052 | 1.35495 | 0.00000 | 286378.1 | 153911.3 | 40212.2 | U/P |
| 30.725 | 0.0000 | 0.0000 | 91.051 | 1.35458 | 0.00000 | 286378.1 | 153951.9 | 40212.2 | U/P |
| 30.733 | 0.0000 | 0.0000 | 91.049 | 1.35421 | 0.00000 | 286378.1 | 153992.5 | 40212.2 | U/P |
| 30.742 | 0.0000 | 0.0000 | 91.047 | 1.35383 | 0.00000 | 286378.1 | 154033.2 | 40212.2 | U/P |
| 30.750 | 0.0000 | 0.0000 | 91.045 | 1.35346 | 0.00000 | 286378.1 | 154073.8 | 40212.2 | U/P |
| 30.758 | 0.0000 | 0.0000 | 91.044 | 1.35309 | 0.00000 | 286378.1 | 154114.4 | 40212.2 | U/P |
| 30.767 | 0.0000 | 0.0000 | 91.042 | 1.35272 | 0.00000 | 286378.1 | 154155.0 | 40212.2 | U/P |
| 30.775 | 0.0000 | 0.0000 | 91.040 | 1.35235 | 0.00000 | 286378.1 | 154195.5 | 40212.2 | U/P |
| 30.783 | 0.0000 | 0.0000 | 91.038 | 1.35198 | 0.00000 | 286378.1 | 154236.1 | 40212.2 | U/P |
| 30.792 | 0.0000 | 0.0000 | 91.037 | 1.35160 | 0.00000 | 286378.1 | 154276.7 | 40212.2 | U/P |
| 30.800 | 0.0000 | 0.0000 | 91.035 | 1.35123 | 0.00000 | 286378.1 | 154317.2 | 40212.2 | U/P |
| 30.808 | 0.0000 | 0.0000 | 91.033 | 1.35086 | 0.00000 | 286378.1 | 154357.7 | 40212.2 | U/P |
| 30.817 | 0.0000 | 0.0000 | 91.031 | 1.35049 | 0.00000 | 286378.1 | 154398.3 | 40212.2 | U/P |
| 30.825 | 0.0000 | 0.0000 | 91.030 | 1.35012 | 0.00000 | 286378.1 | 154438.8 | 40212.2 | U/P |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: Pond $4100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30.833 | 0.0000 | 0.0000 | 91.028 | 1.34974 | 0.00000 | 286378.1 | 154479.3 | 40212.2 | U/P |
| 30.842 | 0.0000 | 0.0000 | 91.026 | 1.34937 | 0.00000 | 286378.1 | 154519.8 | 40212.2 | U/P |
| 30.850 | 0.0000 | 0.0000 | 91.024 | 1.34900 | 0.00000 | 286378.1 | 154560.2 | 40212.2 | U/P |
| 30.858 | 0.0000 | 0.0000 | 91.023 | 1.34863 | 0.00000 | 286378.1 | 154600.7 | 40212.2 | U/P |
| 30.867 | 0.0000 | 0.0000 | 91.021 | 1.34826 | 0.00000 | 286378.1 | 154641.1 | 40212.2 | U/P |
| 30.875 | 0.0000 | 0.0000 | 91.019 | 1.34789 | 0.00000 | 286378.1 | 154681.6 | 40212.2 | U/P |
| 30.883 | 0.0000 | 0.0000 | 91.018 | 1.34751 | 0.00000 | 286378.1 | 154722.0 | 40212.2 | U/P |
| 30.892 | 0.0000 | 0.0000 | 91.016 | 1.34714 | 0.00000 | 286378.1 | 154762.4 | 40212.2 | U/P |
| 30.900 | 0.0000 | 0.0000 | 91.014 | 1.34677 | 0.00000 | 286378.1 | 154802.8 | 40212.2 | U/P |
| 30.908 | 0.0000 | 0.0000 | 91.012 | 1.34640 | 0.00000 | 286378.1 | 154843.3 | 40212.2 | U/P |
| 30.917 | 0.0000 | 0.0000 | 91.011 | 1.34603 | 0.00000 | 286378.1 | 154883.6 | 40212.2 | U/P |
| 30.925 | 0.0000 | 0.0000 | 91.009 | 1.34565 | 0.00000 | 286378.1 | 154924.0 | 40212.2 | U/P |
| 30.933 | 0.0000 | 0.0000 | 91.007 | 1.34528 | 0.00000 | 286378.1 | 154964.4 | 40212.2 | U/P |
| 30.942 | 0.0000 | 0.0000 | 91.005 | 1.34491 | 0.00000 | 286378.1 | 155004.7 | 40212.2 | U/P |
| 30.950 | 0.0000 | 0.0000 | 91.004 | 1.34454 | 0.00000 | 286378.1 | 155045.1 | 40212.2 | U/P |
| 30.958 | 0.0000 | 0.0000 | 91.002 | $\uparrow .34417$ | 0.00000 | 286378.1 | 155085.4 | 40212.2 | U/P |
| 30.967 | 0.0000 | 0.0000 | 91.000 | 1.34380 | 0.00000 | 286378.1 | 155125.7 | 40212.2 | U/P |
| 30.975 | 0.0000 | 0.0000 | 90.998 | 1.34343 | 0.00000 | 286378.1 | 155166.0 | 40212.2 | U/P |
| 30.983 | 0.0000 | 0.0000 | 90.997 | 1.34306 | 0.00000 | 286378.1 | 155206.3 | 40212.2 | U/P |
| 30.992 | 0.0000 | 0.0000 | 90.995 | 1.34269 | 0.00000 | 286378.1 | 155246.6 | 40212.2 | U/P |
| 31.000 | 0.0000 | 0.0000 | 90.993 | 1.34233 | 0.00000 | 286378.1 | 155286.9 | 40212.2 | U/P |
| 31.008 | 0.0000 | 0.0000 | 90.991 | 1.34196 | 0.00000 | 286378.1 | 155327.1 | 40212.2 | U/P |
| 31.017 | 0.0000 | 0.0000 | 90.990 | 1.34160 | 0.00000 | 286378.1 | 155367.4 | 40212.2 | U/P |
| 31.025 | 0.0000 | 0.0000 | 90.988 | 1.34123 | 0.00000 | 286378.1 | 155407.6 | 40212.2 | U/P |
| 31.033 | 0.0000 | 0.0000 | 90.986 | 1.34087 | 0.00000 | 286378.1 | 155447.9 | 40212.2 | U/P |
| 31.042 | 0.0000 | 0.0000 | 90.985 | 1.34050 | 0.00000 | 286378.1 | 155488.1 | 40212.2 | U/P |
| 31.050 | 0.0000 | 0.0000 | 90.983 | 1.34013 | 0.00000 | 286378.1 | 155528.3 | 40212.2 | U/P |
| 31.058 | 0.0000 | 0.0000 | 90.981 | 1.33977 | 0.00000 | 286378.1 | 155568.5 | 40212.2 | U/P |
| 31.067 | 0.0000 | 0.0000 | 90.979 | 1.33940 | 0.00000 | 286378.1 | 155608.7 | 40212.2 | U/P |
| 31.075 | 0.0000 | 0.0000 | 90.978 | 1.33904 | 0.00000 | 286378.1 | 155648.9 | 40212.2 | U/P |
| 31.083 | 0.0000 | 0.0000 | 90.976 | 1.33867 | 0.00000 | 286378.1 | 155689.0 | 40212.2 | U/P |
| 31.092 | 0.0000 | 0.0000 | 90.974 | 1.33830 | 0.00000 | 286378.1 | 155729.2 | 40212.2 | U/P |
| 31.100 | 0.0000 | 0.0000 | 90.972 | 1.33794 | 0.00000 | 286378.1 | 155769.3 | 40212.2 | U/P |
| 31.108 | 0.0000 | 0.0000 | 90.971 | 1.33757 | 0.00000 | 286378.1 | 155809.5 | 40212.2 | U/P |
| 31.117 | 0.0000 | 0.0000 | 90.969 | 1.33721 | 0.00000 | 286378.1 | 155849.6 | 40212.2 | U/P |
| 31.125 | 0.0000 | 0.0000 | 90.967 | 1.33684 | 0.00000 | 286378.1 | 155889.7 | 40212.2 | U/P |
| 31.133 | 0.0000 | 0.0000 | 90.965 | 1.33648 | 0.00000 | 286378.1 | 155929.8 | 40212.2 | U/P |
| 31.142 | 0.0000 | 0.0000 | 90.964 | 1.33611 | 0.00000 | 286378.1 | 155969.9 | 40212.2 | U/P |
| 31.150 | 0.0000 | 0.0000 | 90.962 | 1.33574 | 0.00000 | 286378.1 | 156010.0 | 40212.2 | U/P |
| 31.158 | 0.0000 | 0.0000 | 90.960 | 1.33538 | 0.00000 | 286378.1 | 156050.0 | 40212.2 | U/P |
| 31.167 | 0.0000 | 0.0000 | 90.958 | 1.33501 | 0.00000 | 286378.1 | 156090.1 | 40212.2 | U/P |
| 31.175 | 0.0000 | 0.0000 | 90.957 | 1.33465 | 0.00000 | 286378.1 | 156130.1 | 40212.2 | U/P |
| 31.183 | 0.0000 | 0.0000 | 90.955 | 1.33428 | 0.00000 | 286378.1 | 156170.2 | 40212.2 | U/P |
| 31.192 | 0.0000 | 0.0000 | 90.953 | 1.33391 | 0.00000 | 286378.1 | 156210.2 | 40212.2 | U/P |
| 31.200 | 0.0000 | 0.0000 | 90.952 | 1.33355 | 0.00000 | 286378.1 | 156250.2 | 40212.2 | U/P |
| 31.208 | 0.0000 | 0.0000 | 90.950 | 1.33318 | 0.00000 | 286378.1 | 156290.2 | 40212.2 | U/P |
| 31.217 | 0.0000 | 0.0000 | 90.948 | 1.33282 | 0.00000 | 286378.1 | 156330.2 | 40212.2 | U/P |
| 31.225 | 0.0000 | 0.0000 | 90.946 | 1.33245 | 0.00000 | 286378.1 | 156370.2 | 40212.2 | U/P |
| 31.233 | 0.0000 | 0.0000 | 90.945 | 1.33208 | 0.00000 | 286378.1 | 156410.1 | 40212.2 | U/P |
| 31.242 | 0.0000 | 0.0000 | 90.943 | 1.33172 | 0.00000 | 286378.1 | 156450.1 | 40212.2 | U/P |
| 31.250 | 0.0000 | 0.0000 | 90.941 | 1.33135 | 0.00000 | 286378.1 | 156490.0 | 40212.2 | U/P |
| 31.258 | 0.0000 | 0.0000 | 90.939 | 1.33099 | 0.00000 | 286378.1 | 156530.0 | 40212.2 | U/P |
| 31.267 | 0.0000 | 0.0000 | 90.938 | 1.33062 | 0.00000 | 286378.1 | 156569.9 | 40212.2 | U/P |
| 31.275 | 0.0000 | 0.0000 | 90.936 | 1.33026 | 0.00000 | 286378.1 | 156609.8 | 40212.2 | U/P |
| 31.283 | 0.0000 | 0.0000 | 90.934 | 1.32989 | 0.00000 | 286378.1 | 156649.7 | 40212.2 | U/P |
| 31.292 | 0.0000 | 0.0000 | 90.932 | 1.32952 | 0.00000 | 286378.1 | 156689.6 | 40212.2 | U/P |
| 31.300 | 0.0000 | 0.0000 | 90.931 | 1.32916 | 0.00000 | 286378.1 | 156729.5 | 40212.2 | U/P |
| 31.308 | 0.0000 | 0.0000 | 90.929 | 1.32879 | 0.00000 | 286378.1 | 156769.4 | 40212.2 | U/P |
| 31.317 | 0.0000 | 0.0000 | 90.927 | 1.32843 | 0.00000 | 286378.1 | 156809.2 | 40212.2 | U/P |
| 31.325 | 0.0000 | 0.0000 | 90.925 | 1.32806 | 0.00000 | 286378.1 | 156849.1 | 40212.2 | U/P |
| 31.333 | 0.0000 | 0.0000 | 90.924 | 1.32769 | 0.00000 | 286378.1 | 156888.9 | 40212.2 | U/P |
| 31.342 | 0.0000 | 0.0000 | 90.922 | 1.32733 | 0.00000 | 286378.1 | 156928.7 | 40212.2 | U/P |
| 31.350 | 0.0000 | 0.0000 | 90.920 | 1.32696 | 0.00000 | 286378.1 | 156968.5 | 40212.2 | U/P |
| 31.358 | 0.0000 | 0.0000 | 90.919 | 1.32660 | 0.00000 | 286378.1 | 157008.3 | 40212.2 | U/P |
| 31.367 | 0.0000 | 0.0000 | 90.917 | 1.32623 | 0.00000 | 286378.1 | 157048.1 | 40212.2 | U/P |
| 31.375 | 0.0000 | 0.0000 | 90.915 | 1.32587 | 0.00000 | 286378.1 | 157087.9 | 40212.2 | U/P |
| 31.383 | 0.0000 | 0.0000 | 90.913 | 1.32550 | 0.00000 | 286378.1 | 157127.7 | 40212.2 | U/P |
| 31.392 | 0.0000 | 0.0000 | 90.912 | 1.32513 | 0.00000 | 286378.1 | 157167.4 | 40212.2 | U/P |
| 31.400 | 0.0000 | 0.0000 | 90.910 | 1.32477 | 0.00000 | 286378.1 | 157207.2 | 40212.2 | U/P |
| 31.408 | 0.0000 | 0.0000 | 90.908 | 1.32440 | 0.00000 | 286378.1 | 157246.9 | 40212.2 | U/P |
| 31.417 | 0.0000 | 0.0000 | 90.906 | 1.32404 | 0.00000 | 286378.1 | 157286.7 | 40212.2 | U/P |
| 31.425 | 0.0000 | 0.0000 | 90.905 | 1.32367 | 0.00000 | 286378.1 | 157326.4 | 40212.2 | U/P |
| 31.433 | 0.0000 | 0.0000 | 90.903 | 1.32330 | 0.00000 | 286378.1 | 157366.1 | 40212.2 | U/P |
| 31.442 | 0.0000 | 0.0000 | 90.901 | 1.32294 | 0.00000 | 286378.1 | 157405.8 | 40212.2 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 4100 yr/24 hr

| Elapsed Time (hours) | Inflow Rate (fis/s) | Outside Recharge (fVday) | Stage Elevation (fl datum) | Infiltration Rate (ft ${ }^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | $\begin{aligned} & \text { Cumulative } \\ & \text { Inflow } \\ & \text { Volume ( } \mathrm{ft}^{3} \text { ) } \end{aligned}$ | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume (fils) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 31.450 | 0.0000 | 0.0000 | 90.899 | 1.32257 | 0.00000 | 286378.1 | 157445.5 | 40212.2 | U/P |
| 31.458 | 0.0000 | 0.0000 | 90.898 | 1.32221 | 0.00000 | 286378.1 | 157485.1 | 40212.2 | U/P |
| 31.467 | 0.0000 | 0.0000 | 90.896 | 1.32184 | 0.00000 | 286378.1 | 157524.8 | 40212.2 | U/P |
| 31.475 | 0.0000 | 0.0000 | 90.894 | 1.32148 | 0.00000 | 286378.1 | 157564.4 | 40212.2 | U/P |
| 31.483 | 0.0000 | 0.0000 | 90.893 | 1.32111 | 0.00000 | 286378.1 | 157604.1 | 40212.2 | U/P |
| 31.492 | 0.0000 | 0.0000 | 90.891 | 1.32074 | 0.00000 | 286378.1 | 157643.7 | 40212.2 | U/P |
| 31.500 | 0.0000 | 0.0000 | 90.889 | 1.32038 | 0.00000 | 286378.1 | 157683.3 | 40212.2 | U/P |
| 31.508 | 0.0000 | 0.0000 | 90.887 | 1.32001 | 0.00000 | 286378.1 | 157722.9 | 40212.2 | U/P |
| 31.517 | 0.0000 | 0.0000 | 90.886 | 1.31965 | 0.00000 | 286378.1 | 157762.5 | 40212.2 | U/P |
| 31.525 | 0.0000 | 0.0000 | 90.884 | 1.31928 | 0.00000 | 286378.1 | 157802.1 | 40212.2 | U/P |
| 31.533 | 0.0000 | 0.0000 | 90.882 | 1.31891 | 0.00000 | 286378.1 | 157841.7 | 40212.2 | U/P |
| 31.542 | 0.0000 | 0.0000 | 90.880 | 1.31855 | 0.00000 | 286378.1 | 157881.2 | 40212.2 | U/P |
| 31.550 | 0.0000 | 0.0000 | 90.879 | 1.31818 | 0.00000 | 286378.1 | 157920.8 | 40212.2 | U/P |
| 31.558 | 0.0000 | 0.0000 | 90.877 | 1.31782 | 0.00000 | 286378.1 | 157960.3 | 40212.2 | U/P |
| 31.567 | 0.0000 | 0.0000 | 90.875 | 1.31745 | 0.00000 | 286378.1 | 157999.9 | 40212.2 | U/P |
| 31.575 | 0.0000 | 0.0000 | 90.873 | 1.31708 | 0.00000 | 286378.1 | 158039.4 | 40212.2 | U/P |
| 31.583 | 0.0000 | 0.0000 | 90.872 | 1.31672 | 0.00000 | 286378.1 | 158078.9 | 40212.2 | U/P |
| 31.592 | 0.0000 | 0.0000 | 90.870 | 1.31635 | 0.00000 | 286378.1 | 158118.4 | 40212.2 | U/P |
| 31.600 | 0.0000 | 0.0000 | 90.868 | 1.31599 | 0.00000 | 286378.1 | 158157.9 | 40212.2 | U/P |
| 31.608 | 0.0000 | 0.0000 | 90.866 | 1.31562 | 0.00000 | 286378.1 | 158197.3 | 40212.2 | U/P |
| 31.617 | 0.0000 | 0.0000 | 90.865 | 1.31526 | 0.00000 | 286378.1 | 158236.8 | 40212.2 | U/P |
| 31.625 | 0.0000 | 0.0000 | 90.863 | 1.31489 | 0.00000 | 286378.1 | 158276.3 | 40212.2 | U/P |
| 31.633 | 0.0000 | 0.0000 | 90.861 | 1.31452 | 0.00000 | 286378.1 | 158315.7 | 40212.2 | U/P |
| 31.642 | 0.0000 | 0.0000 | 90.860 | 1.31416 | 0.00000 | 286378.1 | 158355.1 | 40212.2 | U/P |
| 31.650 | 0.0000 | 0.0000 | 90.858 | 1.31379 | 0.00000 | 286378.1 | 158394.5 | 40212.2 | U/P |
| 31.658 | 0.0000 | 0.0000 | 90.856 | 1.31343 | 0.00000 | 286378.1 | 158434.0 | 40212.2 | U/P |
| 31.667 | 0.0000 | 0.0000 | 90.854 | 1.31306 | 0.00000 | 286378.1 | 158473.3 | 40212.2 | U/P |
| 31.675 | 0.0000 | 0.0000 | 90.853 | 1.31269 | 0.00000 | 286378.1 | 158512.7 | 40212.2 | U/P |
| 31.683 | 0.0000 | 0.0000 | 90.851 | 1.31233 | 0.00000 | 286378.1 | 158552.1 | 40212.2 | U/P |
| 31.692 | 0.0000 | 0.0000 | 90.849 | 1.31196 | 0.00000 | 286378.1 | 158591.5 | 40212.2 | U/P |
| 31.700 | 0.0000 | 0.0000 | 90.847 | 1.31160 | 0.00000 | 286378.1 | 158630.8 | 40212.2 | U/P |
| 31.708 | 0.0000 | 0.0000 | 90.846 | 1.31123 | 0.00000 | 286378.1 | 158670.2 | 40212.2 | U/P |
| 31.717 | 0.0000 | 0.0000 | 90.844 | 1.31087 | 0.00000 | 286378.1 | 158709.5 | 40212.2 | U/P |
| 31.725 | 0.0000 | 0.0000 | 90.842 | 1.31050 | 0.00000 | 286378.1 | 158748.8 | 40212.2 | U/P |
| 31.733 | 0.0000 | 0.0000 | 90.840 | 1.31013 | 0.00000 | 286378.1 | 158788.1 | 40212.2 | U/P |
| 31.742 | 0.0000 | 0.0000 | 90.839 | 1.30977 | 0.00000 | 286378.1 | 158827.4 | 40212.2 | U/P |
| 31.750 | 0.0000 | 0.0000 | 90.837 | 1.30940 | 0.00000 | 286378.1 | 158866.7 | 40212.2 | U/P |
| 31.758 | 0.0000 | 0.0000 | 90.835 | 1.30904 | 0.00000 | 286378.1 | 158906.0 | 40212.2 | U/P |
| 31.767 | 0.0000 | 0.0000 | 90.833 | 1.30867 | 0.00000 | 286378.1 | 158945.3 | 40212.2 | U/P |
| 31.775 | 0.0000 | 0.0000 | 90.832 | 1.30830 | 0.00000 | 286378.1 | 158984.5 | 40212.2 | U/P |
| 31.783 | 0.0000 | 0.0000 | 90.830 | 1.30794 | 0.00000 | 286378.1 | 159023.8 | 40212.2 | U/P |
| 31.792 | 0.0000 | 0.0000 | 90.828 | 1.30757 | 0.00000 | 286378.1 | 159063.0 | 40212.2 | U/P |
| 31.800 | 0.0000 | 0.0000 | 90.827 | 1.30721 | 0.00000 | 286378.1 | 159102.2 | 40212.2 | U/P |
| 31.808 | 0.0000 | 0.0000 | 90.825 | 1.30684 | 0.00000 | 286378.1 | 159141.4 | 40212.2 | U/P |
| 31.817 | 0.0000 | 0.0000 | 90.823 | $\{.30647$ | 0.00000 | 286378.1 | 159180.6 | 40212.2 | U/P |
| 31.825 | 0.0000 | 0.0000 | 90.821 | 1.30611 | 0.00000 | 286378.1 | 159219.8 | 40212.2 | U/P |
| 31.833 | 0.0000 | 0.0000 | 90.820 | 1.30574 | 0.00000 | 286378.1 | 159259.0 | 40212.2 | U/P |
| 31.842 | 0.0000 | 0.0000 | 90.818 | 1.30538 | 0.00000 | 286378.1 | 159298.2 | 40212.2 | U/P |
| 31.850 | 0.0000 | 0.0000 | 90.816 | 1.30501 | 0.00000 | 286378.1 | 159337.3 | 40212.2 | U/P |
| 31.858 | 0.0000 | 0.0000 | 90.814 | 1.30465 | 0.00000 | 286378.1 | 159376.5 | 40212.2 | U/P |
| 31.867 | 0.0000 | 0.0000 | 90.813 | 1.30428 | 0.00000 | 286378.1 | 159415.6 | 40212.2 | U/P |
| 31.875 | 0.0000 | 0.0000 | 90.811 | 1.30391 | 0.00000 | 286378.1 | 159454.7 | 40212.2 | U/P |
| 31.883 | 0.0000 | 0.0000 | 90.809 | 1.30355 | 0.00000 | 286378.1 | 159493.8 | 40212.2 | U/P |
| 31.892 | 0.0000 | 0.0000 | 90.807 | 1.30318 | 0.00000 | 286378.1 | 159532.9 | 40212.2 | U/P |
| 31.900 | 0.0000 | 0.0000 | 90.806 | 1.30282 | 0.00000 | 286378.1 | 159572.0 | 40212.2 | U/P |
| 31.908 | 0.0000 | 0.0000 | 90.804 | 1.30245 | 0.00000 | 286378.1 | 159611.1 | 40212.2 | U/P |
| 31.917 | 0.0000 | 0.0000 | 90.802 | 1.30208 | 0.00000 | 286378.1 | 159650.2 | 40212.2 | U/P |
| 31.925 | 0.0000 | 0.0000 | 90.800 | 1.30172 | 0.00000 | 286378.1 | 159689.2 | 40212.2 | U/P |
| 31.933 | 0.0000 | 0.0000 | 90.799 | 1.30135 | 0.00000 | 286378.1 | 159728.3 | 40212.2 | U/P |
| 31.942 | 0.0000 | 0.0000 | 90.797 | 1.30099 | 0.00000 | 286378.1 | 159767.3 | 40212.2 | U/P |
| 31.950 | 0.0000 | 0.0000 | 90.795 | 1.30062 | 0.00000 | 286378.1 | 159806.3 | 40212.2 | U/P |
| 31.958 | 0.0000 | 0.0000 | 90.794 | 1.30026 | 0.00000 | 286378.1 | 159845.3 | 40212.2 | U/P |
| 31.967 | 0.0000 | 0.0000 | 90.792 | 1.29989 | 0.00000 | 286378.1 | 159884.3 | 40212.2 | U/P |
| 31.975 | 0.0000 | 0.0000 | 90.790 | 1.29952 | 0.00000 | 286378.1 | 159923.3 | 40212.2 | U/P |
| 31.983 | 0.0000 | 0.0000 | 90.788 | 1.29916 | 0.00000 | 286378.1 | 159962.3 | 40212.2 | U/P |
| 31.992 | 0.0000 | 0.0000 | 90.787 | 1.29879 | 0.00000 | 286378.1 | 160001.3 | 40212.2 | U/P |
| 32.000 | 0.0000 | 0.0000 | 90.785 | 1.29843 | 0.00000 | 286378.1 | 160040.2 | 40212.2 | U/P |
| 32.008 | 0.0000 | 0.0000 | 90.783 | 1.29806 | 0.00000 | 286378.1 | 160079.2 | 40212.2 | U/P |
| 32.017 | 0.0000 | 0.0000 | 90.781 | 1.29769 | 0.00000 | 286378.1 | 160118.1 | 40212.2 | U/P |
| 32.025 | 0.0000 | 0.0000 | 90.780 | 1.29733 | 0.00000 | 286378.1 | 160157.0 | 40212.2 | U/P |
| 32.033 | 0.0000 | 0.0000 | 90.778 | 1.29696 | 0.00000 | 286378.1 | 160196.0 | 40212.2 | U/P |
| 32.042 | 0.0000 | 0.0000 | 90.776 | 1.29660 | 0.00000 | 286378.1 | 160234.9 | 40212.2 | U/P |
| 32.050 | 0.0000 | 0.0000 | 90.774 | 1.29623 | 0.00000 | 286378.1 | 160273.8 | 40212.2 | U/P |
| 32.058 | 0.0000 | 0.0000 | 90.773 | 1.29586 | 0.00000 | 286378.1 | 160312.6 | 40212.2 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $4100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overlow Discharge (f $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32.067 | 0.0000 | 0.0000 | 90.771 | 1.29550 | 0.00000 | 286378.1 | 160351.5 | 40212.2 | U/P |
| 32.075 | 0.0000 | 0.0000 | 90.769 | 1.29513 | 0.00000 | 286378.1 | 160390.4 | 40212.2 | U/P |
| 32.083 | 0.0000 | 0.0000 | 90.767 | 1.29477 | 0.00000 | 286378.1 | 160429.2 | 40212.2 | U/P |
| 32.092 | 0.0000 | 0.0000 | 90.766 | 1.29440 | 0.00000 | 286378.1 | 160468.1 | 40212.2 | U/P |
| 32.100 | 0.0000 | 0.0000 | 90.764 | 1.29404 | 0.00000 | 286378.1 | 160506.9 | 40212.2 | U/P |
| 32.108 | 0.0000 | 0.0000 | 90.762 | 1.29367 | 0.00000 | 286378.1 | 160545.7 | 40212.2 | U/P |
| 32.117 | 0.0000 | 0.0000 | 90.761 | 1.29330 | 0.00000 | 286378.1 | 160584.5 | 40212.2 | U/P |
| 32.125 | 0.0000 | 0.0000 | 90.759 | 1.29294 | 0.00000 | 286378.1 | 160623.3 | 40212.2 | U/P |
| 32.133 | 0.0000 | 0.0000 | 90.757 | 1.29257 | 0.00000 | 286378.1 | 160662.1 | 40212.2 | U/P |
| 32.142 | 0.0000 | 0.0000 | 90.755 | 1.29221 | 0.00000 | 286378.1 | 160700.8 | 40212.2 | U/P |
| 32.150 | 0.0000 | 0.0000 | 90.754 | 1.29184 | 0.00000 | 286378.1 | 160739.6 | 40212.2 | U/P |
| 32.158 | 0.0000 | 0.0000 | 90.752 | 1.29147 | 0.00000 | 286378.1 | 160778.4 | 40212.2 | U/P |
| 32.167 | 0.0000 | 0.0000 | 90.750 | 1.29111 | 0.00000 | 286378.1 | 160817.1 | 40212.2 | U/P |
| 32.175 | 0.0000 | 0.0000 | 90.748 | 1.29074 | 0.00000 | 286378.1 | 160855.8 | 40212.2 | U/P |
| 32.183 | 0.0000 | 0.0000 | 90.747 | 1.29038 | 0.00000 | 286378.1 | 160894.5 | 40212.2 | U/P |
| 32.192 | 0.0000 | 0.0000 | 90.745 | 1.29001 | 0.00000 | 286378.1 | 160933.3 | 40212.2 | U/P |
| 32.200 | 0.0000 | 0.0000 | 90.743 | 1.28965 | 0.00000 | 286378.1 | 160971.9 | 40212.2 | U/P |
| 32.208 | 0.0000 | 0.0000 | 90.741 | 1.28928 | 0.00000 | 286378.1 | 161010.6 | 40212.2 | U/P |
| 32.217 | 0.0000 | 0.0000 | 80.740 | 1.28891 | 0.00000 | 286378.1 | 161049.3 | 40212.2 | U/P |
| 32.225 | 0.0000 | 0.0000 | 90.738 | 1.28855 | 0.00000 | 286378.1 | 161088.0 | 40212.2 | U/P |
| 32.233 | 0.0000 | 0.0000 | 90.736 | 1.28818 | 0.00000 | 286378.1 | 161126.6 | 40212.2 | U/P |
| 32.242 | 0.0000 | 0.0000 | 90.734 | 1.28782 | 0.00000 | 286378.1 | 161165.3 | 40212.2 | U/P |
| 32.250 | 0.0000 | 0.0000 | 90.733 | 1.28745 | 0.00000 | 286378.1 | 161203.9 | 40212.2 | U/P |
| 32.258 | 0.0000 | 0.0000 | 90.731 | 1.28708 | 0.00000 | 286378.1 | 161242.5 | 40212.2 | U/P |
| 32.267 | 0.0000 | 0.0000 | 90.729 | 1.28672 | 0.00000 | 286378.1 | 161281.1 | 40212.2 | U/P |
| 32.275 | 0.0000 | 0.0000 | 90.728 | 1.28635 | 0.00000 | 286378.1 | 161319.7 | 40212.2 | U/P |
| 32.283 | 0.0000 | 0.0000 | 90.726 | 1.28599 | 0.00000 | 286378.1 | 161358.3 | 40212.2 | U/P |
| 32.292 | 0.0000 | 0.0000 | 90.724 | 1.28562 | 0.00000 | 286378.1 | 161396.9 | 40212.2 | U/P |
| 32.300 | 0.0000 | 0.0000 | 90.722 | 1.28525 | 0.00000 | 286378.1 | 161435.4 | 40212.2 | U/P |
| 32.308 | 0.0000 | 0.0000 | 90.721 | 1.28489 | 0.00000 | 286378.1 | 161474.0 | 40212.2 | U/P |
| 32.317 | 0.0000 | 0.0000 | 90.719 | 1.28452 | 0.00000 | 286378.1 | 161512.5 | 40212.2 | U/P |
| 32.325 | 0.0000 | 0.0000 | 90.717 | 1.28416 | 0.00000 | 286378.1 | 161551.0 | 40212.2 | U/P |
| 32.333 | 0.0000 | 0.0000 | 90.715 | 1.28379 | 0.00000 | 286378.1 | 161589.6 | 40212.2 | U/P |
| 32.342 | 0.0000 | 0.0000 | 90.714 | 1.28343 | 0.00000 | 286378.1 | 161628.1 | 40212.2 | U/P |
| 32.350 | 0.0000 | 0.0000 | 90.712 | 1.28306 | 0.00000 | 286378.1 | 161666.6 | 40212.2 | U/P |
| 32.358 | 0.0000 | 0.0000 | 90.710 | 1.28269 | 0.00000 | 286378.1 | 161705.1 | 40212.2 | U/P |
| 32.367 | 0.0000 | 0.0000 | 90.708 | 1.28233 | 0.00000 | 286378.1 | 161743.5 | 40212.2 | U/P |
| 32.375 | 0.0000 | 0.0000 | 90.707 | 1.28196 | 0.00000 | 286378.1 | 161782.0 | 40212.2 | U/P |
| 32.383 | 0.0000 | 0.0000 | 90.705 | 1.28160 | 0.00000 | 286378.1 | 161820.5 | 40212.2 | U/P |
| 32.392 | 0.0000 | 0.0000 | 90.703 | 1.28123 | 0.00000 | 286378.1 | 161858.9 | 40212.2 | U/P |
| 32.400 | 0.0000 | 0.0000 | 90.702 | 1.28086 | 0.00000 | 286378.1 | 161897.3 | 40212.2 | U/P |
| 32.408 | 0.0000 | 0.0000 | 90.700 | 1.28050 | 0.00000 | 286378.1 | 161935.8 | 40212.2 | U/P |
| 32.417 | 0.0000 | 0.0000 | 90.698 | 1.28013 | 0.00000 | 286378.1 | 161974.2 | 40212.2 | U/P |
| 32.425 | 0.0000 | 0.0000 | 90.696 | 1.27977 | 0.00000 | 286378.1 | 162012.6 | 40212.2 | U/P |
| 32.433 | 0.0000 | 0.0000 | 90.695 | 1.27940 | 0.00000 | 286378.1 | 162050.9 | 40212.2 | U/P |
| 32.442 | 0.0000 | 0.0000 | 90.693 | 1.27904 | 0.00000 | 286378.1 | 162089.3 | 40212.2 | U/P |
| 32.450 | 0.0000 | 0.0000 | 90.691 | 1.27867 | 0.00000 | 286378.1 | 162127.7 | 40212.2 | U/P |
| 32.458 | 0.0000 | 0.0000 | 90.689 | 1.27830 | 0.00000 | 286378.1 | 162166.0 | 40212.2 | U/P |
| 32.467 | 0.0000 | 0.0000 | 90.688 | 1.27794 | 0.00000 | 286378.1 | 162204.4 | 40212.2 | U/P |
| 32.475 | 0.0000 | 0.0000 | 90.686 | 1.27757 | 0.00000 | 286378.1 | 162242.7 | 40212.2 | U/P |
| 32.483 | 0.0000 | 0.0000 | 90.684 | 1.27721 | 0.00000 | 286378.1 | 162281.0 | 40212.2 | U/P |
| 32.492 | 0.0000 | 0.0000 | 90.682 | 1.27684 | 0.00000 | 286378.1 | 162319.3 | 40212.2 | U/P |
| 32.500 | 0.0000 | 0.0000 | 90.681 | 1.27647 | 0.00000 | 286378.1 | 162357.6 | 40212.2 | U/P |
| 32.508 | 0.0000 | 0.0000 | 90.679 | 1.27611 | 0.00000 | 286378.1 | 162395.9 | 40212.2 | U/P |
| 32.517 | 0.0000 | 0.0000 | 90.677 | 1.27574 | 0.00000 | 286378.1 | 162434.2 | 40212.2 | U/P |
| 32.525 | 0.0000 | 0.0000 | 90.675 | 1.27538 | 0.00000 | 286378.1 | 162472.5 | 40212.2 | U/P |
| 32.533 | 0.0000 | 0.0000 | 90.674 | 1.27501 | 0.00000 | 286378.1 | 162510.7 | 40212.2 | U/P |
| 32.542 | 0.0000 | 0.0000 | 90.672 | 1.27464 | 0.00000 | 286378.1 | 162549.0 | 40212.2 | U/P |
| 32.550 | 0.0000 | 0.0000 | 90.670 | 1.27428 | 0.00000 | 286378.1 | 162587.2 | 40212.2 | U/P |
| 32.558 | 0.0000 | 0.0000 | 90.669 | 1.27391 | 0.00000 | 286378.1 | 162625.4 | 40212.2 | U/P |
| 32.567 | 0.0000 | 0.0000 | 90.667 | 1.27355 | 0.00000 | 286378.1 | 162663.7 | 40212.2 | U/P |
| 32.575 | 0.0000 | 0.0000 | 90.665 | 1.27318 | 0.00000 | 286378.1 | 162701.8 | 40212.2 | U/P |
| 32.583 | 0.0000 | 0.0000 | 90.663 | 1.27282 | 0.00000 | 286378.1 | 162740.0 | 40212.2 | U/P |
| 32.592 | 0.0000 | 0.0000 | 90.662 | 1.27245 | 0.00000 | 286378.1 | 162778.2 | 40212.2 | U/P |
| 32.600 | 0.0000 | 0.0000 | 90.660 | 1.27208 | 0.00000 | 286378.1 | 162816.4 | 40212.2 | U/P |
| 32.608 | 0.0000 | 0.0000 | 90.658 | 1.27172 | 0.00000 | 286378.1 | 162854.5 | 40212.2 | U/P |
| 32.617 | 0.0000 | 0.0000 | 90.656 | 1.27135 | 0.00000 | 286378.1 | 162892.7 | 40212.2 | U/P |
| 32.625 | 0.0000 | 0.0000 | 90.655 | 1.27099 | 0.00000 | 286378.1 | 162930.8 | 40212.2 | U/P |
| 32.633 | 0.0000 | 0.0000 | 90.653 | 1.27062 | 0.00000 | 286378.1 | 162969.0 | 40212.2 | U/P |
| 32.642 | 0.0000 | 0.0000 | 90.651 | 1.27025 | 0.00000 | 286378.1 | 163007.1 | 40212.2 | U/P |
| 32.650 | 0.0000 | 0.0000 | 90.649 | 1.26989 | 0.00000 | 286378.1 | 163045.2 | 40212.2 | U/P |
| 32.658 | 0.0000 | 0.0000 | 90.648 | 1.26952 | 0.00000 | 286378.1 | 163083.3 | 40212.2 | U/P |
| 32.667 | 0.0000 | 0.0000 | 90.646 | 1.26916 | 0.00000 | 286378.1 | 163121.3 | 40212.2 | U/P |
| 32.675 | 0.0000 | 0.0000 | 90.644 | 1.26879 | 0.00000 | 286378.1 | 163159.4 | 40212.2 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $4100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Overliow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{tt}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{tt}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32.683 | 0.0000 | 0.0000 | 90.642 | 1.26843 | 0.00000 | 286378.1 | 163197.5 | 40212.2 | U/P |
| 32.692 | 0.0000 | 0.0000 | 90.641 | 1.26806 | 0.00000 | 286378.1 | 163235.5 | 40212.2 | U/P |
| 32.700 | 0.0000 | 0.0000 | 90.639 | 1.26769 | 0.00000 | 286378.1 | 163273.5 | 40212.2 | U/P |
| 32.708 | 0.0000 | 0.0000 | 90.637 | 1.26733 | 0.00000 | 286378.1 | 163311.6 | 40212.2 | U/P |
| 32.717 | 0.0000 | 0.0000 | 90.636 | 1.26696 | 0.00000 | 286378.1 | 163349.6 | 40212.2 | U/P |
| 32.725 | 0.0000 | 0.0000 | 90.634 | 1.26660 | 0.00000 | 286378.1 | 163387.6 | 40212.2 | U/P |
| 32.733 | 0.0000 | 0.0000 | 90.632 | 1.26623 | 0.00000 | 286378.1 | 163425.6 | 40212.2 | U/P |
| 32.742 | 0.0000 | 0.0000 | 90.630 | 1.26586 | 0.00000 | 286378.1 | 163463.6 | 40212.2 | U/P |
| 32.750 | 0.0000 | 0.0000 | 90.629 | 1.26550 | 0.00000 | 286378.1 | 163501.5 | 40212.2 | U/P |
| 32.758 | 0.0000 | 0.0000 | 90.627 | 1.26513 | 0.00000 | 286378.1 | 163539.5 | 40212.2 | U/P |
| 32.767 | 0.0000 | 0.0000 | 90.625 | 1.26477 | 0.00000 | 286378.1 | 163577.4 | 40212.2 | U/P |
| 32.775 | 0.0000 | 0.0000 | 90.623 | 1.26440 | 0.00000 | 286378.1 | 163615.4 | 40212.2 | U/P |
| 32.783 | 0.0000 | 0.0000 | 90.622 | 1.26403 | 0.00000 | 286378.1 | 163653.3 | 40212.2 | U/P |
| 32.792 | 0.0000 | 0.0000 | 90.620 | 1.26367 | 0.00000 | 286378.1 | 163691.2 | 40212.2 | U/P |
| 32.800 | 0.0000 | 0.0000 | 90.618 | 1.26330 | 0.00000 | 286378.1 | 163729.1 | 40212.2 | U/P |
| 32.808 | 0.0000 | 0.0000 | 90.616 | 1.26294 | 0.00000 | 286378.1 | 163767.0 | 40212.2 | U/P |
| 32.817 | 0.0000 | 0.0000 | 90.615 | \$. 26257 | 0.00000 | 286378.1 | 163804.9 | 40212.2 | U/P |
| 32.825 | 0.0000 | 0.0000 | 90.613 | 1.26221 | 0.00000 | 286378.1 | 163842.8 | 40212.2 | U/P |
| 32.833 | 0.0000 | 0.0000 | 90.611 | 1.26184 | 0.00000 | 286378.1 | 163880.6 | 40212.2 | U/P |
| 32.842 | 0.0000 | 0.0000 | 90.609 | 1.26147 | 0.00000 | 286378.1 | 163918.5 | 40212.2 | U/P |
| 32.850 | 0.0000 | 0.0000 | 90.608 | 1.26111 | 0.00000 | 286378.1 | 163956.3 | 40212.2 | U/P |
| 32.858 | 0.0000 | 0.0000 | 90.606 | 1.26074 | 0.00000 | 286378.1 | 163994.2 | 40212.2 | U/P |
| 32.867 | 0.0000 | 0.0000 | 90.604 | 1.26038 | 0.00000 | 286378.1 | 164032.0 | 40212.2 | U/P |
| 32.875 | 0.0000 | 0.0000 | 90.603 | 1.26001 | 0.00000 | 286378.1 | 164069.8 | 40212.2 | U/P |
| 32.883 | 0.0000 | 0.0000 | 90.601 | 1.25964 | 0.00000 | 286378.1 | 164107.6 | 40212.2 | U/P |
| 32.892 | 0.0000 | 0.0000 | 90.599 | 1.25928 | 0.00000 | 286378.1 | 164145.4 | 40212.2 | U/P |
| 32.900 | 0.0000 | 0.0000 | 90.597 | 1.25891 | 0.00000 | 286378.1 | 164183.1 | 40212.2 | U/P |
| 32.908 | 0.0000 | 0.0000 | 90.596 | 1.25855 | 0.00000 | 286378.1 | 164220.9 | 40212.2 | U/P |
| 32.917 | 0.0000 | 0.0000 | 90.594 | 1.25818 | 0.00000 | 286378.1 | 164258.6 | 40212.2 | U/P |
| 32.925 | 0.0000 | 0.0000 | 90.592 | 1.25782 | 0.00000 | 286378.1 | 164296.4 | 40212.2 | U/P |
| 32.933 | 0.0000 | 0.0000 | 90.590 | 1.25745 | 0.00000 | 286378.1 | 164334.1 | 40212.2 | U/P |
| 32.942 | 0.0000 | 0.0000 | 90.589 | 1.25708 | 0.00000 | 286378.1 | 164371.8 | 40212.2 | U/P |
| 32.950 | 0.0000 | 0.0000 | 90.587 | 1.25672 | 0.00000 | 286378.1 | 164409.5 | 40212.2 | U/P |
| 32.958 | 0.0000 | 0.0000 | 90.585 | 1.25635 | 0.00000 | 286378.1 | 164447.2 | 40212.2 | U/P |
| 32.967 | 0.0000 | 0.0000 | 90.583 | 1.25599 | 0.00000 | 286378.1 | 164484.9 | 40212.2 | U/P |
| 32.975 | 0.0000 | 0.0000 | 90.582 | 1.25562 | 0.00000 | 286378.1 | 164522.6 | 40212.2 | U/P |
| 32.983 | 0.0000 | 0.0000 | 90.580 | 1.25525 | 0.00000 | 286378.1 | 164560.3 | 40212.2 | U/P |
| 32.992 | 0.0000 | 0.0000 | 90.578 | 1.25489 | 0.00000 | 286378.1 | 164597.9 | 40212.2 | U/P |
| 33.000 | 0.0000 | 0.0000 | 90.576 | 1.25452 | 0.00000 | 286378.1 | 164635.5 | 40212.2 | U/P |
| 33.008 | 0.0000 | 0.0000 | 90.575 | 1.25416 | 0.00000 | 286378.1 | 164673.2 | 40212.2 | U/P |
| 33.017 | 0.0000 | 0.0000 | 90.573 | 1.25379 | 0.00000 | 286378.1 | 164710.8 | 40212.2 | U/P |
| 33.025 | 0.0000 | 0.0000 | 90.571 | 1.25342 | 0.00000 | 286378.1 | 164748.4 | 40212.2 | U/P |
| 33.033 | 0.0000 | 0.0000 | 90.570 | 1.25306 | 0.00000 | 286378.1 | 164786.0 | 40212.2 | U/P |
| 33.042 | 0.0000 | 0.0000 | 90.568 | 1.25269 | 0.00000 | 286378.1 | 164823.6 | 40212.2 | U/P |
| 33.050 | 0.0000 | 0.0000 | 90.566 | 1.25233 | 0.00000 | 286378.1 | 164861.2 | 40212.2 | U/P |
| 33.058 | 0.0000 | 0.0000 | 90.564 | 1.25196 | 0.00000 | 286378.1 | 164898.7 | 40212.2 | U/P |
| 33.067 | 0.0000 | 0.0000 | 90.563 | 1.25160 | 0.00000 | 286378.1 | 164936.3 | 40212.2 | U/P |
| 33.075 | 0.0000 | 0.0000 | 90.561 | 1.25123 | 0.00000 | 286378.1 | 164973.8 | 40212.2 | U/P |
| 33.083 | 0.0000 | 0.0000 | 90.559 | 1.25086 | 0.00000 | 286378.1 | 165011.4 | 40212.2 | U/P |
| 33.092 | 0.0000 | 0.0000 | 90.557 | 1.25050 | 0.00000 | 286378.1 | 165048.9 | 40212.2 | U/P |
| 33.100 | 0.0000 | 0.0000 | 90.556 | 1.25013 | 0.00000 | 286378.1 | 165086.4 | 40212.2 | U/P |
| 33.108 | 0.0000 | 0.0000 | 90.554 | 1.24977 | 0.00000 | 286378.1 | 165123.9 | 40212.2 | U/P |
| 33.117 | 0.0000 | 0.0000 | 90.552 | 1.24940 | 0.00000 | 286378.1 | 165161.4 | 40212.2 | U/P |
| 33.125 | 0.0000 | 0.0000 | 90.550 | 1.24903 | 0.00000 | 286378.1 | 165198.8 | 40212.2 | U/P |
| 33.133 | 0.0000 | 0.0000 | 90.549 | 1.24867 | 0.00000 | 286378.1 | 165236.3 | 40212.2 | U/P |
| 33.142 | 0.0000 | 0.0000 | 90.547 | 1.24830 | 0.00000 | 286378.1 | 165273.8 | 40212.2 | U/P |
| 33.150 | 0.0000 | 0.0000 | 90.545 | 1.24794 | 0.00000 | 286378.1 | 165311.2 | 40212.2 | U/P |
| 33.158 | 0.0000 | 0.0000 | 90.544 | 1.24757 | 0.00000 | 286378.1 | 165348.6 | 40212.2 | U/P |
| 33.167 | 0.0000 | 0.0000 | 90.542 | 1.24721 | 0.00000 | 286378.1 | 165386.1 | 40212.2 | U/P |
| 33.175 | 0.0000 | 0.0000 | 90.540 | 1.24684 | 0.00000 | 286378.1 | 165423.5 | 40212.2 | U/P |
| 33.183 | 0.0000 | 0.0000 | 90.538 | 1.24647 | 0.00000 | 286378.1 | 165460.9 | 40212.2 | U/P |
| 33.192 | 0.0000 | 0.0000 | 90.537 | 1.24611 | 0.00000 | 286378.1 | 165498.3 | 40212.2 | U/P |
| 33.200 | 0.0000 | 0.0000 | 90.535 | 1.24574 | 0.00000 | 286378.1 | 165535.6 | 40212.2 | U/P |
| 33.208 | 0.0000 | 0.0000 | 90.533 | 1.24538 | 0.00000 | 286378.1 | 165573.0 | 40212.2 | U/P |
| 33.217 | 0.0000 | 0.0000 | 90.531 | 1.24501 | 0.00000 | 286378.1 | 165610.4 | 40212.2 | U/P |
| 33.225 | 0.0000 | 0.0000 | 90.530 | $\uparrow .24464$ | 0.00000 | 286378.1 | 165647.7 | 40212.2 | U/P |
| 33.233 | 0.0000 | 0.0000 | 90.528 | 1.24428 | 0.00000 | 286378.1 | 165685.0 | 40212.2 | U/P |
| 33.242 | 0.0000 | 0.0000 | 90.526 | 1.24391 | 0.00000 | 286378.1 | 165722.4 | 40212.2 | U/P |
| 33.250 | 0.0000 | 0.0000 | 90.524 | 1.24355 | 0.00000 | 286378.1 | 165759.7 | 40212.2 | U/P |
| 33.258 | 0.0000 | 0.0000 | 90.523 | 1.24318 | 0.00000 | 286378.1 | 165797.0 | 40212.2 | U/P |
| 33.267 | 0.0000 | 0.0000 | 90.521 | 1.24281 | 0.00000 | 286378.1 | 165834.3 | 40212.2 | U/P |
| 33.275 | 0.0000 | 0.0000 | 90.519 | 1.24245 | 0.00000 | 286378.1 | 165871.5 | 40212.2 | U/P |
| 33.283 | 0.0000 | 0.0000 | 90.517 | 1.24208 | 0.00000 | 286378.1 | 165908.8 | 40212.2 | U/P |
| 33.292 | 0.0000 | 0.0000 | 90.516 | 1.24172 | 0.00000 | 286378.1 | 165946.1 | 40212.2 | U/P |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

## Detailed Results (cont,d.) :: Scenario 1 :: Pond $4100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (fi/day) | Stage Elevation (ft datum) | Infiltration Rate (fis/s) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumutative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 33.300 | 0.0000 | 0.0000 | 90.514 | 1.24135 | 0.00000 | 286378.1 | 165983.3 | 40212.2 | U/P |
| 33.308 | 0.0000 | 0.0000 | 90.512 | 1.24099 | 0.00000 | 286378.1 | 166020.5 | 40212.2 | U/P |
| 33.317 | 0.0000 | 0.0000 | 90.511 | 1.24062 | 0.00000 | 286378.1 | 166057.8 | 40212.2 | U/P |
| 33.325 | 0.0000 | 0.0000 | 90.509 | 1.24025 | 0.00000 | 286378.1 | 166095.0 | 40212.2 | U/P |
| 33.333 | 0.0000 | 0.0000 | 90.507 | 1.23989 | 0.00000 | 286378.1 | 166132.2 | 40212.2 | U/P |
| 33.342 | 0.0000 | 0.0000 | 90.505 | 1.23952 | 0.00000 | 286378.1 | 166169.4 | 40212.2 | U/P |
| 33.350 | 0.0000 | 0.0000 | 90.504 | 1.23916 | 0.00000 | 286378.1 | 166206.6 | 40212.2 | U/P |
| 33.358 | 0.0000 | 0.0000 | 90.502 | 1.23879 | 0.00000 | 286378.1 | 166243.7 | 40212.2 | U/P |
| 33.367 | 0.0000 | 0.0000 | 90.500 | 1.23842 | 0.00000 | 286378.1 | 166280.9 | 40212.2 | U/P |
| 33.375 | 0.0000 | 0.0000 | 90.498 | 1.23806 | 0.00000 | 286378.1 | 166318.0 | 40212.2 | U/P |
| 33.383 | 0.0000 | 0.0000 | 90.497 | 1.23769 | 0.00000 | 286378.1 | 166355.2 | 40212.2 | U/P |
| 33.392 | 0.0000 | 0.0000 | 90.495 | 1.23733 | 0.00000 | 286378.1 | 166392.3 | 40212.2 | U/P |
| 33.400 | 0.0000 | 0.0000 | 90.493 | 1.23696 | 0.00000 | 286378.1 | 166429.4 | 40212.2 | U/P |
| 33.408 | 0.0000 | 0.0000 | 90.491 | 1.23660 | 0.00000 | 286378.1 | 166466.5 | 40212.2 | U/P |
| 33.417 | 0.0000 | 0.0000 | 90.490 | 1.23623 | 0.00000 | 286378.1 | 166503.6 | 40212.2 | U/P |
| 33.425 | 0.0000 | 0.0000 | 90.488 | 1.23586 | 0.00000 | 286378.1 | 166540.7 | 40212.2 | U/P |
| 33.433 | 0.0000 | 0.0000 | 90.486 | 1.23550 | 0.00000 | 286378.1 | 166577.8 | 40212.2 | U/P |
| 33.442 | 0.0000 | 0.0000 | 90.484 | 1.23513 | 0.00000 | 286378.1 | 166614.8 | 40212.2 | U/P |
| 33.450 | 0.0000 | 0.0000 | 90.483 | 1.23477 | 0.00000 | 286378.1 | 166651.9 | 40212.2 | U/P |
| 33.458 | 0.0000 | 0.0000 | 90.481 | 1.23440 | 0.00000 | 286378.1 | 166688.9 | 40212.2 | U/P |
| 33.467 | 0.0000 | 0.0000 | 90.479 | 1.23403 | 0.00000 | 286378.1 | 166725.9 | 40212.2 | U/P |
| 33.475 | 0.0000 | 0.0000 | 90.478 | 1.23367 | 0.00000 | 286378.1 | 166763.0 | 40212.2 | U/P |
| 33.483 | 0.0000 | 0.0000 | 90.476 | 1.23330 | 0.00000 | 286378.1 | 166800.0 | 40212.2 | U/P |
| 33.492 | 0.0000 | 0.0000 | 90.474 | 1.23294 | 0.00000 | 286378.1 | 166836.9 | 40212.2 | U/P |
| 33.500 | 0.0000 | 0.0000 | 90.472 | 1.23257 | 0.00000 | 286378.1 | 166873.9 | 40212.2 | U/P |
| 33.508 | 0.0000 | 0.0000 | 90.471 | 1.23220 | 0.00000 | 286378.1 | 166910.9 | 40212.2 | U/P |
| 33.517 | 0.0000 | 0.0000 | 90.469 | 1.23184 | 0.00000 | 286378.1 | 166947.9 | 40212.2 | U/P |
| 33.525 | 0.0000 | 0.0000 | 80.467 | 1.23147 | 0.00000 | 286378.1 | 166984.8 | 40212.2 | U/P |
| 33.533 | 0.0000 | 0.0000 | 90.465 | 1.23111 | 0.00000 | 286378.1 | 167021.8 | 40212.2 | U/P |
| 33.542 | 0.0000 | 0.0000 | 90.464 | 1.23074 | 0.00000 | 286378.1 | 167058.7 | 40212.2 | U/P |
| 33.550 | 0.0000 | 0.0000 | 90.462 | 1.23038 | 0.00000 | 286378.1 | 167095.6 | 40212.2 | U/P |
| 33.558 | 0.0000 | 0.0000 | 90.460 | 1.23001 | 0.00000 | 286378.1 | 167132.5 | 40212.2 | U/P |
| 33.567 | 0.0000 | 0.0000 | 90.458 | 1.22964 | 0.00000 | 286378.1 | 167169.4 | 40212.2 | U/P |
| 33.575 | 0.0000 | 0.0000 | 90.457 | 1.22928 | 0.00000 | 286378.1 | 167206.3 | 40212.2 | U/P |
| 33.583 | 0.0000 | 0.0000 | 90.455 | 1.22891 | 0.00000 | 286378.1 | 167243.2 | 40212.2 | U/P |
| 33.592 | 0.0000 | 0.0000 | 90.453 | 1.22855 | 0.00000 | 286378.1 | 167280.0 | 40212.2 | U/P |
| 33.600 | 0.0000 | 0.0000 | 90.451 | 1.22818 | 0.00000 | 286378.1 | 167316.9 | 40212.2 | U/P |
| 33.608 | 0.0000 | 0.0000 | 90.450 | 1.22781 | 0.00000 | 286378.1 | 167353.7 | 40212.2 | U/P |
| 33.617 | 0.0000 | 0.0000 | 90.448 | 1.22745 | 0.00000 | 286378.1 | 167390.5 | 40212.2 | U/P |
| 33.625 | 0.0000 | 0.0000 | 90.446 | 1.22708 | 0.00000 | 286378.1 | 167427.3 | 40212.2 | U/P |
| 33.633 | 0.0000 | 0.0000 | 90.445 | 1.22672 | 0.00000 | 286378.1 | 167464.2 | 40212.2 | U/P |
| 33.642 | 0.0000 | 0.0000 | 90.443 | 1.22635 | 0.00000 | 286378.1 | 167501.0 | 40212.2 | U/P |
| 33.650 | 0.0000 | 0.0000 | 90.441 | 1.22599 | 0.00000 | 286378.1 | 167537.7 | 40212.2 | U/P |
| 33.658 | 0.0000 | 0.0000 | 90.439 | 1.22562 | 0.00000 | 286378.1 | 167574.5 | 40212.2 | U/P |
| 33.667 | 0.0000 | 0.0000 | 90.438 | 1.22525 | 0.00000 | 286378.1 | 167611.3 | 40212.2 | U/P |
| 33.675 | 0.0000 | 0.0000 | 90.436 | 1.22489 | 0.00000 | 286378.1 | 167648.0 | 40212.2 | U/P |
| 33.683 | 0.0000 | 0.0000 | 90.434 | 1.22452 | 0.00000 | 286378.1 | 167684.8 | 40212.2 | U/P |
| 33.692 | 0.0000 | 0.0000 | 90.432 | 1.22416 | 0.00000 | 286378.1 | 167721.5 | 40212.2 | U/P |
| 33.700 | 0.0000 | 0.0000 | 90.431 | 1.22379 | 0.00000 | 286378.1 | 167758.2 | 40212.2 | U/P |
| 33.708 | 0.0000 | 0.0000 | 90.429 | 1.22342 | 0.00000 | 286378.1 | 167794.9 | 40212.2 | U/P |
| 33.717 | 0.0000 | 0.0000 | 90.427 | 1.22306 | 0.00000 | 286378.1 | 167831.6 | 40212.2 | U/P |
| 33.725 | 0.0000 | 0.0000 | 90.425 | 1.22269 | 0.00000 | 286378.1 | 167868.3 | 40212.2 | U/P |
| 33.733 | 0.0000 | 0.0000 | 90.424 | 1.22233 | 0.00000 | 286378.1 | 167905.0 | 40212.2 | U/P |
| 33.742 | 0.0000 | 0.0000 | 90.422 | 1.22196 | 0.00000 | 286378.1 | 167941.6 | 40212.2 | U/P |
| 33.750 | 0.0000 | 0.0000 | 90.420 | 1.22159 | 0.00000 | 286378.1 | 167978.3 | 40212.2 | U/P |
| 33.758 | 0.0000 | 0.0000 | 90.418 | 1.22123 | 0.00000 | 286378.1 | 168014.9 | 40212.2 | U/P |
| 33.767 | 0.0000 | 0.0000 | 90.417 | 1.22086 | 0.00000 | 286378.1 | 168051.6 | 40212.2 | U/P |
| 33.775 | 0.0000 | 0.0000 | 90.415 | 1.22050 | 0.00000 | 286378.1 | 168088.2 | 40212.2 | U/P |
| 33.783 | 0.0000 | 0.0000 | 90.413 | 1.22013 | 0.00000 | 286378.1 | 168124.8 | 40212.2 | U/P |
| 33.792 | 0.0000 | 0.0000 | 90.412 | 1.21977 | 0.00000 | 286378.1 | 168161.4 | 40212.2 | U/P |
| 33.800 | 0.0000 | 0.0000 | 90.410 | 1.21940 | 0.00000 | 286378.1 | 168198.0 | 40212.2 | U/P |
| 33.808 | 0.0000 | 0.0000 | 90.408 | 1.21903 | 0.00000 | 286378.1 | 168234.6 | 40212.2 | U/P |
| 33.817 | 0.0000 | 0.0000 | 90.406 | 1.21867 | 0.00000 | 286378.1 | 168271.1 | 40212.2 | U/P |
| 33.825 | 0.0000 | 0.0000 | 90.405 | 1.21830 | 0.00000 | 286378.1 | 168307.7 | 40212.2 | U/P |
| 33.833 | 0.0000 | 0.0000 | 90.403 | 1.21794 | 0.00000 | 286378.1 | 168344.2 | 40212.2 | U/P |
| 33.842 | 0.0000 | 0.0000 | 90.401 | 1.21757 | 0.00000 | 286378.1 | 168380.8 | 40212.2 | U/P |
| 33.850 | 0.0000 | 0.0000 | 90.399 | 1.21720 | 0.00000 | 286378.1 | 168417.3 | 40212.2 | U/P |
| 33.858 | 0.0000 | 0.0000 | 90.398 | 1.21684 | 0.00000 | 286378.1 | 168453.8 | 40212.2 | U/P |
| 33.867 | 0.0000 | 0.0000 | 90.396 | 1.21647 | 0.00000 | 286378.1 | 168490.3 | 40212.2 | U/P |
| 33.875 | 0.0000 | 0.0000 | 90.394 | 1.21611 | 0.00000 | 286378.1 | 168526.8 | 40212.2 | U/P |
| 33.883 | 0.0000 | 0.0000 | 90.392 | 1.21574 | 0.00000 | 286378.1 | 168563.3 | 40212.2 | U/P |
| 33.892 | 0.0000 | 0.0000 | 90.391 | 1.21538 | 0.00000 | 286378.1 | 168599.7 | 40212.2 | U/P |
| 33.900 | 0.0000 | 0.0000 | 90.389 | 1.21501 | 0.00000 | 286378.1 | 168636.2 | 40212.2 | U/P |
| 33.908 | 0.0000 | 0.0000 | 90.387 | 1.21464 | 0.00000 | 286378.1 | 168672.6 | 40212.2 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $4100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (fu/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 33.917 | 0.0000 | 0.0000 | 90.385 | 1.21428 | 0.00000 | 286378.1 | 168709.1 | 40212.2 | U/P |
| 33.925 | 0.0000 | 0.0000 | 90.384 | 1.21391 | 0.00000 | 286378.1 | 168745.5 | 40212.2 | U/P |
| 33.933 | 0.0000 | 0.0000 | 90.382 | 1.21355 | 0.00000 | 286378.1 | 168781.9 | 40212.2 | U/P |
| 33.942 | 0.0000 | 0.0000 | 90.380 | 1.21318 | 0.00000 | 286378.1 | 168818.3 | 40212.2 | U/P |
| 33.950 | 0.0000 | 0.0000 | 90.379 | 1.21281 | 0.00000 | 286378.1 | 168854.7 | 40212.2 | U/P |
| 33.958 | 0.0000 | 0.0000 | 90.377 | 1.21245 | 0.00000 | 286378.1 | 168891.1 | 40212.2 | U/P |
| 33.967 | 0.0000 | 0.0000 | 90.375 | 1.21208 | 0.00000 | 286378.1 | 168927.4 | 40212.2 | U/P |
| 33.975 | 0.0000 | 0.0000 | 90.373 | 1.21172 | 0.00000 | 286378.1 | 168963.8 | 40212.2 | U/P |
| 33.983 | 0.0000 | 0.0000 | 90.372 | 1.21135 | 0.00000 | 286378.1 | 169000.1 | 40212.2 | U/P |
| 33.992 | 0.0000 | 0.0000 | 90.370 | 1.21098 | 0.00000 | 286378.1 | 169036.5 | 40212.2 | U/P |
| 34.000 | 0.0000 | 0.0000 | 90.368 | 1.21062 | 0.00000 | 286378.1 | 169072.8 | 40212.2 | U/P |
| 34.008 | 0.0000 | 0.0000 | 90.366 | 1.21025 | 0.00000 | 286378.1 | 169109.1 | 40212.2 | U/P |
| 34.017 | 0.0000 | 0.0000 | 90.365 | 1.20989 | 0.00000 | 286378.1 | 169145.4 | 40212.2 | U/P |
| 34.025 | 0.0000 | 0.0000 | 90.363 | 1.20952 | 0.00000 | 286378.1 | 169181.7 | 40212.2 | U/P |
| 34.033 | 0.0000 | 0.0000 | 90.361 | 1.20916 | 0.00000 | 286378.1 | 169218.0 | 40212.2 | U/P |
| 34.042 | 0.0000 | 0.0000 | 90.359 | 1.20879 | 0.00000 | 286378.1 | 169254.3 | 40212.2 | U/P |
| 34.050 | 0.0000 | 0.0000 | 90.358 | 1.20842 | 0.00000 | 286378.1 | 169290.5 | 40212.2 | U/P |
| 34.058 | 0.0000 | 0.0000 | 90.356 | 1.20806 | 0.00000 | 286378.1 | 169326.8 | 40212.2 | U/P |
| 34.067 | 0.0000 | 0.0000 | 90.354 | 1.20769 | 0.00000 | 286378.1 | 169363.0 | 40212.2 | U/P |
| 34.075 | 0.0000 | 0.0000 | 90.352 | 1.20733 | 0.00000 | 286378.1 | 169399.2 | 40212.2 | U/P |
| 34.083 | 0.0000 | 0.0000 | 90.351 | 1.20696 | 0.00000 | 286378.1 | 169435.4 | 40212.2 | U/P |
| 34.092 | 0.0000 | 0.0000 | 90.349 | 1.20659 | 0.00000 | 286378.1 | 169471.6 | 40212.2 | U/P |
| 34.100 | 0.0000 | 0.0000 | 90.347 | 1.20623 | 0.00000 | 286378.1 | 169507.8 | 40212.2 | U/P |
| 34.108 | 0.0000 | 0.0000 | 90.346 | 1.20586 | 0.00000 | 286378.1 | 169544.0 | 40212.2 | U/P |
| 34.117 | 0.0000 | 0.0000 | 90.344 | 1.20550 | 0.00000 | 286378.1 | 168580.2 | 40212.2 | U/P |
| 34.125 | 0.0000 | 0.0000 | 90.342 | 1.20513 | 0.00000 | 286378.1 | 169616.3 | 40212.2 | U/P |
| 34.133 | 0.0000 | 0.0000 | 90.340 | 1.20476 | 0.00000 | 286378.1 | 169652.5 | 40212.2 | U/P |
| 34.142 | 0.0000 | 0.0000 | 90.339 | 1.20440 | 0.00000 | 286378.1 | 169688.6 | 40212.2 | U/P |
| 34.150 | 0.0000 | 0.0000 | 90.337 | 1.20403 | 0.00000 | 286378.1 | 169724.8 | 40212.2 | U/P |
| 34.158 | 0.0000 | 0.0000 | 90.335 | 1.20367 | 0.00000 | 286378.1 | 169760.9 | 40212.2 | U/P |
| 34.167 | 0.0000 | 0.0000 | 90.333 | 1.20330 | 0.00000 | 286378.1 | 169797.0 | 40212.2 | U/P |
| 34.175 | 0.0000 | 0.0000 | 90.332 | 1.20294 | 0.00000 | 286378.1 | 169833.1 | 40212.2 | U/P |
| 34.183 | 0.0000 | 0.0000 | 90.330 | 1.20257 | 0.00000 | 286378.1 | 169869.2 | 40212.2 | U/P |
| 34.192 | 0.0000 | 0.0000 | 90.328 | 1.20220 | 0.00000 | 286378.1 | 169905.2 | 40212.2 | U/P |
| 34.200 | 0.0000 | 0.0000 | 90.326 | 1.20184 | 0.00000 | 286378.1 | 169941.3 | 40212.2 | U/P |
| 34.208 | 0.0000 | 0.0000 | 90.325 | 1.20147 | 0.00000 | 286378.1 | 169977.3 | 40212.2 | U/P |
| 34.217 | 0.0000 | 0.0000 | 90.323 | 1.20111 | 0.00000 | 286378.1 | 170013.4 | 40212.2 | U/P |
| 34.225 | 0.0000 | 0.0000 | 90.321 | 1.20074 | 0.00000 | 286378.1 | 170049.4 | 40212.2 | U/P |
| 34.233 | 0.0000 | 0.0000 | 90.320 | 1.20037 | 0.00000 | 286378.1 | 170085.4 | 40212.2 | U/P |
| 34.242 | 0.0000 | 0.0000 | 90.318 | 1.20001 | 0.00000 | 286378.1 | 170121.4 | 40212.2 | U/P |
| 34.250 | 0.0000 | 0.0000 | 90.316 | 1.19964 | 0.00000 | 286378.1 | 170157.4 | 40212.2 | U/P |
| 34.258 | 0.0000 | 0.0000 | 90.314 | 1.19928 | 0.00000 | 286378.1 | 170193.4 | 40212.2 | U/P |
| 34.267 | 0.0000 | 0.0000 | 90.313 | 1.19891 | 0.00000 | 286378.1 | 170229.4 | 40212.2 | U/P |
| 34.275 | 0.0000 | 0.0000 | 90.311 | 1.19855 | 0.00000 | 286378.1 | 170265.3 | 40212.2 | U/P |
| 34.283 | 0.0000 | 0.0000 | 90.309 | 1.19818 | 0.00000 | 286378.1 | 170301.3 | 40212.2 | U/P |
| 34.292 | 0.0000 | 0.0000 | 90.307 | 1.19781 | 0.00000 | 286378.1 | 170337.2 | 40212.2 | U/P |
| 34.300 | 0.0000 | 0.0000 | 90.306 | 1.19745 | 0.00000 | 286378.1 | 170373.2 | 40212.2 | U/P |
| 34.308 | 0.0000 | 0.0000 | 90.304 | 1.19708 | 0.00000 | 286378.4 | 170409.1 | 40212.2 | U/P |
| 34.317 | 0.0000 | 0.0000 | 90.302 | 1.19672 | 0.00000 | 286378.1 | 170445.0 | 40212.2 | U/P |
| 34.325 | 0.0000 | 0.0000 | 90.300 | 1.19635 | 0.00000 | 286378.1 | 170480.9 | 40212.2 | U/P |
| 34.333 | 0.0000 | 0.0000 | 90.299 | 1.19598 | 0.00000 | 286378.1 | 170516.8 | 40212.2 | U/P |
| 34.342 | 0.0000 | 0.0000 | 90.297 | 1.19562 | 0.00000 | 286378.1 | 170552.6 | 40212.2 | U/P |
| 34.350 | 0.0000 | 0.0000 | 90.295 | 1.19525 | 0.00000 | 286378.1 | 170588.5 | 40212.2 | U/P |
| 34.358 | 0,0000 | 0.0000 | 90.293 | 1.19489 | 0.00000 | 286378.1 | 170624.3 | 40212.2 | U/P |
| 34.367 | 0.0000 | 0.0000 | 90.292 | 1.19452 | 0.00000 | 286378.1 | 170660.2 | 40212.2 | U/P |
| 34.375 | 0.0000 | 0.0000 | 90.290 | 1.19415 | 0.00000 | 286378.1 | 170696.0 | 40212.2 | U/P |
| 34.383 | 0.0000 | 0.0000 | 90.288 | 1.19379 | 0.00000 | 286378.1 | 170731.8 | 40212.2 | U/P |
| 34.392 | 0.0000 | 0.0000 | 90.287 | 1.19342 | 0.00000 | 286378.1 | 170767.6 | 40212.2 | U/P |
| 34.400 | 0.0000 | 0.0000 | 90.285 | 1.19306 | 0.00000 | 286378.1 | 170803.4 | 40212.2 | U/P |
| 34.408 | 0.0000 | 0.0000 | 90.283 | 1.19269 | 0.00000 | 286378.1 | 170839.2 | 40212.2 | U/P |
| 34.417 | 0.0000 | 0.0000 | 90.281 | 1.19233 | 0.00000 | 286378.1 | 170875.0 | 40212.2 | U/P |
| 34.425 | 0.0000 | 0.0000 | 90.280 | 1.19196 | 0.00000 | 286378.1 | 170910.8 | 40212.2 | U/P |
| 34.433 | 0.0000 | 0.0000 | 90.278 | 1.19159 | 0.00000 | 286378.1 | 170946.5 | 40212.2 | U/P |
| 34.442 | 0.0000 | 0.0000 | 90.276 | 1.19123 | 0.00000 | 286378.1 | 170982.3 | 40212.2 | U/P |
| 34.450 | 0.0000 | 0.0000 | 90.274 | 1.19086 | 0.00000 | 286378.1 | 171018.0 | 40212.2 | U/P |
| 34.458 | 0.0000 | 0.0000 | 90.273 | 1.19050 | 0.00000 | 286378.1 | 171053.7 | 40212.2 | U/P |
| 34.467 | 0.0000 | 0.0000 | 90.271 | 1.19013 | 0.00000 | 286378.1 | 171089.4 | 40212.2 | U/P |
| 34.475 | 0.0000 | 0.0000 | 90.269 | 1.18976 | 0.00000 | 286378.1 | 171125.1 | 40212.2 | U/P |
| 34.483 | 0.0000 | 0.0000 | 90.267 | 1.18940 | 0.00000 | 286378.1 | 171160.8 | 40212.2 | U/P |
| 34.492 | 0.0000 | 0.0000 | 90.266 | 1.18903 | 0.00000 | 286378.1 | 171196.5 | 40212.2 | U/P |
| 34.500 | 0.0000 | 0.0000 | 90.264 | 1.18867 | 0.00000 | 286378.1 | 171232.2 | 40212.2 | U/P |
| 34.508 | 0.0000 | 0.0000 | 90.262 | 1.18830 | 0.00000 | 286378.1 | 171267.8 | 40212.2 | U/P |
| 34.517 | 0.0000 | 0.0000 | 90.260 | 1.18794 | 0.00000 | 286378.1 | 171303.5 | 40212.2 | U/P |
| 34.525 | 0.0000 | 0.0000 | 90.259 | 1.18757 | 0.00000 | 286378.1 | 171339.1 | 40212.2 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $4100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (F/day) | Stage Elevation (ft datum) | infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infilltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 34.533 | 0.0000 | 0.0000 | 90.257 | 1.18720 | 0.00000 | 286378.1 | 171374.7 | 40212.2 | U/P |
| 34.542 | 0.0000 | 0.0000 | 90.255 | 1.18684 | 0.00000 | 286378.1 | 171410.3 | 40212.2 | U/P |
| 34.550 | 0.0000 | 0.0000 | 90.254 | 1.18647 | 0.00000 | 286378.1 | 171445.9 | 40212.2 | U/P |
| 34.558 | 0.0000 | 0.0000 | 90.252 | 1.18611 | 0.00000 | 286378.1 | 171481.5 | 40212.2 | U/P |
| 34.567 | 0.0000 | 0.0000 | 90.250 | 1.18574 | 0.00000 | 286378.1 | 171517.1 | 40212.2 | U/P |
| 34.575 | 0.0000 | 0.0000 | 90.248 | 1.18537 | 0.00000 | 286378.1 | 171552.7 | 40212.2 | U/P |
| 34.583 | 0.0000 | 0.0000 | 90.247 | 1.18501 | 0.00000 | 286378.1 | 171588.2 | 40212.2 | U/P |
| 34.592 | 0.0000 | 0.0000 | 90.245 | 1.18464 | 0.00000 | 286378.1 | 171623.8 | 40212.2 | U/P |
| 34.600 | 0.0000 | 0.0000 | 90.243 | 1.18428 | 0.00000 | 286378.1 | 171659.3 | 40212.2 | U/P |
| 34.608 | 0.0000 | 0.0000 | 90.241 | 1.18391 | 0.00000 | 286378.1 | 171694.8 | 40212.2 | U/P |
| 34.617 | 0.0000 | 0.0000 | 90.240 | 1.18354 | 0.00000 | 286378.1 | 171730.3 | 40212.2 | U/P |
| 34.625 | 0.0000 | 0.0000 | 90.238 | 1.18318 | 0.00000 | 286378.1 | 171765.8 | 40212.2 | U/P |
| 34.633 | 0.0000 | 0.0000 | 90.236 | 1.18281 | 0.00000 | 286378.1 | 171801.3 | 40212.2 | U/P |
| 34.642 | 0.0000 | 0.0000 | 90.234 | 1.18245 | 0.00000 | 286378.1 | 171836.8 | 40212.2 | U/P |
| 34.650 | 0.0000 | 0.0000 | 90.233 | 1.18208 | 0.00000 | 286378.1 | 171872.3 | 40212.2 | U/P |
| 34.658 | 0.0000 | 0.0000 | 90.231 | 1.18172 | 0.00000 | 286378.1 | 171907.7 | 40212.2 | U/P |
| 34.667 | 0.0000 | 0.0000 | 90.229 | 1.18135 | 0.00000 | 286378.1 | 171943.2 | 40212.2 | U/P |
| 34.675 | 0.0000 | 0.0000 | 90.227 | 1.18098 | 0.00000 | 286378.1 | 171978.6 | 40212.2 | U/P |
| 34.683 | 0.0000 | 0.0000 | 90.226 | 1.18062 | 0.00000 | 286378.1 | 172014.0 | 40212.2 | U/P |
| 34.692 | 0.0000 | 0.0000 | 90.224 | 1.18025 | 0.00000 | 286378.1 | 172049.4 | 40212.2 | U/P |
| 34.700 | 0.0000 | 0.0000 | 90.222 | 1.17989 | 0.00000 | 286378.1 | 172084.8 | 40212.2 | U/P |
| 34.708 | 0.0000 | 0.0000 | 90.221 | 1.17952 | 0.00000 | 286378.1 | 172120.2 | 40212.2 | U/P |
| 34.717 | 0.0000 | 0.0000 | 90.219 | 1.17915 | 0.00000 | 286378.1 | 172155.6 | 40212.2 | U/P |
| 34.725 | 0.0000 | 0.0000 | 90.217 | 1.17879 | 0.00000 | 286378.1 | 172191.0 | 40212.2 | U/P |
| 34.733 | 0.0000 | 0.0000 | 90.215 | 1.17842 | 0.00000 | 286378.1 | 172226.3 | 40212.2 | U/P |
| 34.742 | 0.0000 | 0.0000 | 90.214 | 1.17806 | 0.00000 | 286378.1 | 172261.7 | 40212.2 | U/P |
| 34.750 | 0.0000 | 0.0000 | 90.212 | 1.17769 | 0.00000 | 286378.1 | 172297.0 | 40212.2 | U/P |
| 34.758 | 0.0000 | 0.0000 | 90.210 | 1.17733 | 0.00000 | 286378.1 | 172332.3 | 40212.2 | U/P |
| 34.767 | 0.0000 | 0.0000 | 90.208 | 1.17696 | 0.00000 | 286378.1 | 172367.7 | 40212.2 | U/P |
| 34.775 | 0.0000 | 0.0000 | 90.207 | 1.17659 | 0.00000 | 286378.1 | 172403.0 | 40212.2 | U/P |
| 34.783 | 0.0000 | 0.0000 | 90.205 | 1.17623 | 0.00000 | 286378.1 | 172438.3 | 40212.2 | U/P |
| 34.792 | 0.0000 | 0.0000 | 90.203 | 1.17586 | 0.00000 | 286378.1 | 172473.5 | 40212.2 | U/P |
| 34.800 | 0.0000 | 0.0000 | 90.201 | 1.17550 | 0.00000 | 286378.1 | 172508.8 | 40212.2 | U/P |
| 34.808 | 0.0000 | 0.0000 | 90.200 | 1.17513 | 0.00000 | 286378.1 | 172544.1 | 40212.2 | U/P |
| 34.817 | 0.0000 | 0.0000 | 90.198 | 1.17476 | 0.00000 | 286378.1 | 172579.3 | 40212.2 | U/P |
| 34.825 | 0.0000 | 0.0000 | 90.196 | 1.17440 | 0.00000 | 286378.1 | 172614.5 | 40212.2 | U/P |
| 34.833 | 0.0000 | 0.0000 | 90.194 | 1.17403 | 0.00000 | 286378.1 | 172649.8 | 40212.2 | U/P |
| 34.842 | 0.0000 | 0.0000 | 90.193 | 1.17367 | 0.00000 | 286378.1 | 172685.0 | 40212.2 | U/P |
| 34.850 | 0.0000 | 0.0000 | 90.191 | 1.17330 | 0.00000 | 286378.1 | 172720.2 | 40212.2 | U/P |
| 34.858 | 0.0000 | 0.0000 | 90.188 | 1.17293 | 0.00000 | 286378.1 | 172755.4 | 40212.2 | U/P |
| 34.867 | 0.0000 | 0.0000 | 90.188 | 1.17257 | 0.00000 | 286378.1 | 172790.6 | 40212.2 | U/P |
| 34.875 | 0.0000 | 0.0000 | 90.186 | 1.17220 | 0.00000 | 286378.1 | 172825.7 | 40212.2 | U/P |
| 34.883 | 0.0000 | 0.0000 | 90.184 | 1.17184 | 0.00000 | 286378.1 | 172860.9 | 40212.2 | U/P |
| 34.892 | 0.0000 | 0.0000 | 90.182 | 1.17147 | 0.00000 | 286378.1 | 172896.0 | 40212.2 | U/P |
| 34.900 | 0.0000 | 0.0000 | 90.181 | 1.17111 | 0.00000 | 286378.1 | 172931.2 | 40212.2 | U/P |
| 34.908 | 0.0000 | 0.0000 | 90.179 | 1.17074 | 0.00000 | 286378.1 | 172966.3 | 40212.2 | U/P |
| 34.917 | 0.0000 | 0.0000 | 90.177 | 1.17037 | 0.00000 | 286378.1 | 173001.4 | 40212.2 | U/P |
| 34.925 | 0.0000 | 0.0000 | 90.175 | 1.17001 | 0.00000 | 286378.1 | 173036.5 | 40212.2 | U/P |
| 34.933 | 0.0000 | 0.0000 | 90.174 | 1.16964 | 0.00000 | 286378.1 | 173071.6 | 40212.2 | U/P |
| 34.942 | 0.0000 | 0.0000 | 90.172 | 1.16928 | 0.00000 | 286378.1 | 173106.7 | 40212.2 | U/P |
| 34.950 | 0.0000 | 0.0000 | 90.170 | 1.16891 | 0.00000 | 286378.1 | 173141.8 | 40212.2 | U/P |
| 34.958 | 0.0000 | 0.0000 | 90.168 | 1.16854 | 0.00000 | 286378.1 | 173176.8 | 40212.2 | U/P |
| 34.967 | 0.0000 | 0.0000 | 90.167 | 1.16818 | 0.00000 | 286378.1 | 173211.9 | 40212.2 | U/P |
| 34.975 | 0.0000 | 0.0000 | 90.165 | 1.16781 | 0.00000 | 286378.1 | 173246.9 | 40212.2 | U/P |
| 34.983 | 0.0000 | 0.0000 | 90.163 | 1.16745 | 0.00000 | 286378.1 | 173282.0 | 40212.2 | U/P |
| 34.992 | 0.0000 | 0.0000 | 90.161 | 1.16708 | 0.00000 | 286378.1 | 173317.0 | 40212.2 | U/P |
| 35.000 | 0.0000 | 0.0000 | 90.160 | 1.16672 | 0.00000 | 286378.1 | 173352.0 | 40212.2 | U/P |
| 35.008 | 0.0000 | 0.0000 | 90.158 | 1.16635 | 0.00000 | 286378.1 | 173387.0 | 40212.2 | U/P |
| 35.017 | 0.0000 | 0.0000 | 90.156 | 1.16598 | 0.00000 | 286378.1 | 173422.0 | 40212.2 | U/P |
| 35.025 | 0.0000 | 0.0000 | 90.155 | 1.16562 | 0.00000 | 286378.1 | 173457.0 | 40212.2 | U/P |
| 35.033 | 0.0000 | 0.0000 | 90.153 | 1.16525 | 0.00000 | 286378.1 | 173491.9 | 40212.2 | U/P |
| 35.042 | 0.0000 | 0.0000 | 90.151 | 1.16489 | 0.00000 | 286378.1 | 173526.9 | 40212.2 | U/P |
| 35.050 | 0.0000 | 0.0000 | 90.149 | 1.16452 | 0.00000 | 286378.1 | 173561.8 | 40212.2 | U/P |
| 35.058 | 0.0000 | 0.0000 | 90.148 | 1.16415 | 0.00000 | 286378.1 | 173596.7 | 40212.2 | U/P |
| 35.067 | 0.0000 | 0.0000 | 90.146 | 1.16379 | 0.00000 | 286378.1 | 173631.7 | 40212.2 | U/P |
| 35.075 | 0.0000 | 0.0000 | 90.144 | 1.16342 | 0.00000 | 286378.1 | 173666.6 | 40212.2 | U/P |
| 35.083 | 0.0000 | 0.0000 | 90.142 | 1.16306 | 0.00000 | 286378.1 | 173701.5 | 40212.2 | U/P |
| 35.092 | 0.0000 | 0.0000 | 90.141 | 1.16269 | 0.00000 | 286378.1 | 173736.3 | 40212.2 | U/P |
| 35.100 | 0.0000 | 0.0000 | 90.139 | 1.16232 | 0.00000 | 286378.1 | 173771.2 | 40212.2 | U/P |
| 35.108 | 0.0000 | 0.0000 | 90.137 | 1.16196 | 0.00000 | 286378.1 | 173806.1 | 40212.2 | U/P |
| 35.117 | 0.0000 | 0.0000 | 90.135 | 1.16159 | 0.00000 | 286378.1 | 173840.9 | 40212.2 | U/P |
| 35.125 | 0.0000 | 0.0000 | 90.134 | 1.16123 | 0.00000 | 286378.1 | 173875.8 | 40212.2 | U/P |
| 35.133 | 0.0000 | 0.0000 | 90.132 | 1.16086 | 0.00000 | 286378.1 | 173910.6 | 40212.2 | U/P |
| 35.142 | 0.0000 | 0.0000 | 90.130 | 1.16050 | 0.00000 | 286378.1 | 173945.4 | 40212.2 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $4100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{fl}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ff}^{3}$ ) | Cumulative Infiliration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{fl}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 35.150 | 0.0000 | 0.0000 | 90.129 | 1.16013 | 0.00000 | 286378.1 | 173980.3 | 40212.2 | U/P |
| 35.158 | 0.0000 | 0.0000 | 90.127 | 1.15976 | 0.00000 | 286378.1 | 174015.0 | 40212.2 | U/P |
| 35.167 | 0.0000 | 0.0000 | 90.125 | 1.15940 | 0.00000 | 286378.1 | 174049.8 | 40212.2 | U/P |
| 35.175 | 0.0000 | 0.0000 | 90.123 | 1.15903 | 0.00000 | 286378.1 | 174084.6 | 40212.2 | U/P |
| 35.183 | 0.0000 | 0.0000 | 90.122 | 1.15867 | 0.00000 | 286378.1 | 174119.4 | 40212.2 | U/P |
| 35.192 | 0.0000 | 0.0000 | 90.120 | 1.15830 | 0.00000 | 286378.1 | 174154.1 | 40212.2 | U/P |
| 35.200 | 0.0000 | 0.0000 | 90.118 | 1.15793 | 0.00000 | 286378.1 | 174188.9 | 40212.2 | U/P |
| 35.208 | 0.0000 | 0.0000 | 90.116 | 1.15757 | 0.00000 | 286378.1 | 174223.6 | 40212.2 | U/P |
| 35.217 | 0.0000 | 0.0000 | 90.115 | 1.15720 | 0.00000 | 286378.1 | 174258.3 | 40212.2 | U/P |
| 35.225 | 0.0000 | 0.0000 | 90.113 | 1.15684 | 0.00000 | 286378.1 | 174293.0 | 40212.2 | U/P |
| 35.233 | 0.0000 | 0.0000 | 90.111 | 1.15647 | 0.00000 | 286378.1 | 174327.7 | 40212.2 | U/P |
| 35.242 | 0.0000 | 0.0000 | 90.109 | 1.15610 | 0.00000 | 286378.1 | 174362.4 | 40212.2 | U/P |
| 35.250 | 0.0000 | 0.0000 | 90.108 | 1.15574 | 0.00000 | 286378.1 | 174397.1 | 40212.2 | U/P |
| 35.258 | 0.0000 | 0.0000 | 90.106 | 1.15537 | 0.00000 | 286378.1 | 174431.8 | 40212.2 | U/P |
| 35.267 | 0.0000 | 0.0000 | 90.104 | 1.15501 | 0.00000 | 286378.1 | 174466.4 | 40212.2 | U/P |
| 35.275 | 0.0000 | 0.0000 | 90.102 | 1.15464 | 0.00000 | 286378.1 | 174501.1 | 40212.2 | U/P |
| 35.283 | 0.0000 | 0.0000 | 90.101 | 1.15428 | 0.00000 | 286378.1 | 174535.7 | 40212.2 | U/P |
| 35.292 | 0.0000 | 0.0000 | 90.099 | 1.15391 | 0.00000 | 286378.1 | 174570.3 | 40212.2 | U/P |
| 35.300 | 0.0000 | 0.0000 | 90.097 | 1.15354 | 0.00000 | 286378.1 | 174604.9 | 40212.2 | U/P |
| 35.308 | 0.0000 | 0.0000 | 90.096 | 1.15318 | 0.00000 | 286378.1 | 174639.5 | 40212.2 | U/P |
| 35.317 | 0.0000 | 0.0000 | 90.094 | 1.15281 | 0.00000 | 286378.1 | 174674.1 | 40212.2 | U/P |
| 35,325 | 0.0000 | 0.0000 | 90.092 | 1.15245 | 0.00000 | 286378.1 | 174708.7 | 40212.2 | U/P |
| 35.333 | 0.0000 | 0.0000 | 90.090 | 1.15208 | 0.00000 | 286378.1 | 174743.3 | 40212.2 | U/P |
| 35.342 | 0.0000 | 0.0000 | 90.089 | 1.15171 | 0.00000 | 286378.1 | 174777.8 | 40212.2 | P |
| 35.350 | 0.0000 | 0.0000 | 90.087 | 1.15135 | 0.00000 | 286378.1 | 174812.4 | 40212.2 | U/P |
| 35.358 | 0.0000 | 0.0000 | 90.085 | 1.15098 | 0.00000 | 286378.1 | 174846.9 | 40212.2 | U/P |
| 35.367 | 0.0000 | 0.0000 | 90.083 | 1.15062 | 0.00000 | 286378.1 | 174881.4 | 40212.2 | U/P |
| 35.375 | 0.0000 | 0.0000 | 90.082 | 1.15025 | 0.00000 | 286378.1 | 174916.0 | 40212.2 | U/P |
| 35.383 | 0.0000 | 0.0000 | 90.080 | 1.14989 | 0.00000 | 286378.1 | 174950.5 | 40212.2 | U/P |
| 35.392 | 0.0000 | 0.0000 | 90.078 | 1.14952 | 0.00000 | 286378.1 | 174984.9 | 40212.2 | U/P |
| 35.400 | 0.0000 | 0.0000 | 90.076 | 1.14915 | 0.00000 | 286378.1 | 175019.4 | 40212.2 | U/P |
| 35.408 | 0.0000 | 0.0000 | 90.075 | 1.14879 | 0.00000 | 286378.1 | 175053.9 | 40212.2 | U/P |
| 35.417 | 0.0000 | 0.0000 | 90.073 | 1.14842 | 0.00000 | 286378.1 | 175088.3 | 40212.2 | U/P |
| 35.425 | 0.0000 | 0.0000 | 90.071 | 1.14806 | 0.00000 | 286378.1 | 175122.8 | 40212.2 | U/P |
| 35.433 | 0.0000 | 0.0000 | 90.069 | 1.14769 | 0.00000 | 286378.1 | 175157.2 | 40212.2 | U/P |
| 35.442 | 0.0000 | 0.0000 | 90.068 | 1.14732 | 0.00000 | 286378.1 | 175191.7 | 40212.2 | U/P |
| 35.450 | 0.0000 | 0.0000 | 90.066 | 1.14696 | 0.00000 | 286378.1 | 175226.1 | 40212.2 | U/P |
| 35.458 | 0.0000 | 0.0000 | 90.064 | 1.14659 | 0.00000 | 286378.1 | 175260.5 | 40212.2 | U/P |
| 35.467 | 0.0000 | 0.0000 | 90.063 | 1.14623 | 0.00000 | 286378.1 | 175294.9 | 40212.2 | U/P |
| 35.475 | 0.0000 | 0.0000 | 90.061 | 1.14586 | 0.00000 | 286378.1 | 175329.3 | 40212.2 | U/P |
| 35.483 | 0.0000 | 0.0000 | 90.059 | 1.14549 | 0.00000 | 286378.1 | 175363.6 | 40212.2 | U/P |
| 35.492 | 0.0000 | 0.0000 | 90.057 | 1.14513 | 0.00000 | 286378.1 | 175398.0 | 40212.2 | U/P |
| 35.500 | 0.0000 | 0.0000 | 90.056 | 1.14476 | 0.00000 | 286378.1 | \$75432.3 | 40212.2 | U/P |
| 35.508 | 0.0000 | 0.0000 | 90.054 | 1.14440 | 0.00000 | 286378.1 | 175466.7 | 40212.2 | U/P |
| 35.517 | 0.0000 | 0.0000 | 90.052 | 1.14403 | 0.00000 | 286378.1 | 175501.0 | 40212.2 | U/P |
| 35.525 | 0.0000 | 0.0000 | 90.050 | 1.14367 | 0.00000 | 286378.1 | 175535.3 | 40212.2 | U/P |
| 35.533 | 0.0000 | 0.0000 | 90.049 | 1.14330 | 0.00000 | 286378.1 | 175569.6 | 40212.2 | U/P |
| 35.542 | 0.0000 | 0.0000 | 90.047 | 1.14293 | 0.00000 | 286378.1 | 175603.9 | 40212.2 | U/P |
| 35.550 | 0.0000 | 0.0000 | 90.045 | 1.14257 | 0.00000 | 286378.1 | 175638.2 | 40212.2 | U/P |
| 35.558 | 0.0000 | 0.0000 | 90.043 | 1.14220 | 0.00000 | 286378.1 | 175672.5 | 40212.2 | U/P |
| 35.567 | 0.0000 | 0.0000 | 90.042 | 1.14184 | 0.00000 | 286378.1 | 175706.7 | 40212.2 | U/P |
| 35.575 | 0.0000 | 0.0000 | 90.040 | 1.14147 | 0.00000 | 286378.1 | 175741.0 | 40212.2 | U/P |
| 35.583 | 0.0000 | 0.0000 | 90.038 | 1.14110 | 0.00000 | 286378.1 | 175775.2 | 40212.2 | U/P |
| 35.592 | 0.0000 | 0.0000 | 90.036 | 1.14074 | 0.00000 | 286378.1 | 175809.4 | 40212.2 | U/P |
| 35.600 | 0.0000 | 0.0000 | 90.035 | 1.14037 | 0.00000 | 286378.1 | 175843.7 | 40212.2 | U/P |
| 35.608 | 0.0000 | 0.0000 | 90.033 | 1.14001 | 0.00000 | 286378.1 | 175877.9 | 40212.2 | U/P |
| 35.617 | 0.0000 | 0.0000 | 90.031 | 1.13964 | 0.00000 | 286378.1 | 175912.0 | 40212.2 | U/P |
| 35.625 | 0.0000 | 0.0000 | 90.030 | 1.13927 | 0.00000 | 286378.1 | 175946.2 | 40212.2 | U/P |
| 35.633 | 0.0000 | 0.0000 | 90.028 | 1.13891 | 0.00000 | 286378.1 | 175980.4 | 40212.2 | U/P |
| 35.642 | 0.0000 | 0.0000 | 90.026 | 1.13854 | 0.00000 | 286378.1 | 176014.6 | 40212.2 | U/P |
| 35.650 | 0.0000 | 0.0000 | 90.024 | 1.13818 | 0.00000 | 286378.1 | 176048.7 | 40212.2 | U/P |
| 35.658 | 0.0000 | 0.0000 | 90.023 | 1.13781 | 0.00000 | 286378.1 | 176082.9 | 40212.2 | U/P |
| 35.667 | 0.0000 | 0.0000 | 90.021 | 1.13745 | 0.00000 | 286378.1 | 176117.0 | 40212.2 | U/P |
| 35.675 | 0.0000 | 0.0000 | 90.019 | 1.13708 | 0.00000 | 286378.1 | 176151.1 | 40212.2 | U/P |
| 35.683 | 0.0000 | 0.0000 | 90.017 | 1.13671 | 0.00000 | 286378.1 | 176185.2 | 40212.2 | U/P |
| 35.692 | 0.0000 | 0.0000 | 90.016 | 1.13635 | 0.00000 | 286378.1 | 176219.3 | 40212.2 | U/P |
| 35.700 | 0.0000 | 0.0000 | 90.014 | 1.13598 | 0.00000 | 286378.1 | 176253.4 | 40212.2 | U/P |
| 35.708 | 0.0000 | 0.0000 | 90.012 | 1.13562 | 0.00000 | 286378.1 | 176287.5 | 40212.2 | U/P |
| 35.717 | 0.0000 | 0.0000 | 90.010 | 1.13525 | 0.00000 | 286378.1 | 176321.5 | 40212.2 | U/P |
| 35.725 | 0.0000 | 0.0000 | 90.009 | 1.13488 | 0.00000 | 286378.1 | 176355.6 | 40212.2 | U/P |
| 35.733 | 0.0000 | 0.0000 | 90.007 | 1.13452 | 0.00000 | 286378.1 | 176389.6 | 40212.2 | U/P |
| 35.742 | 0.0000 | 0.0000 | 90.005 | 1.13415 | 0.00000 | 286378.1 | 176423.7 | 40212.2 | U/P |
| 35.750 | 0.0000 | 0.0000 | 90.003 | 1.13379 | 0.00000 | 286378.1 | 176457.7 | 40212.2 | U/P |
| 35.758 | 0.0000 | 0.0000 | 90.002 | 1.13342 | 0.00000 | 286378.1 | 176491.7 | 40212.2 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $4100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{fl}^{3}$ ) | Cumulative <br> Discharge <br> Volume ( $\mathrm{fl}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 35.767 | 0.0000 | 0.0000 | 90.000 | 1.13306 | 0.00000 | 286378.1 | 176525.7 | 40212.2 | U/P |
| 35.775 | 0.0000 | 0.0000 | 89.998 | 1.13267 | 0.00000 | 286378.1 | 176559.7 | 40212.2 | U/P |
| 35.783 | 0.0000 | 0.0000 | 89.997 | 1.13228 | 0.00000 | 286378.1 | 176593.6 | 40212.2 | U/P |
| 35.792 | 0.0000 | 0.0000 | 89.995 | 1.13188 | 0.00000 | 286378, 1 | 176627.6 | 40212.2 | U/P |
| 35.800 | 0.0000 | 0.0000 | 89.993 | 1.13148 | 0.00000 | 286378.1 | 176661.5 | 40212.2 | U/P |
| 35.808 | 0.0000 | 0.0000 | 89.991 | 1.13108 | 0.00000 | 286378.1 | 176695.5 | 40212.2 | U/P |
| 35.817 | 0.0000 | 0.0000 | 89.990 | 1.13069 | 0.00000 | 286378.1 | 176729.4 | 40212.2 | U/P |
| 35.825 | 0.0000 | 0.0000 | 89.988 | 1.13029 | 0.00000 | 286378.1 | 176763.3 | 40212.2 | U/P |
| 35.833 | 0.0000 | 0.0000 | 89.986 | 1.12989 | 0.00000 | 286378.1 | 176797.2 | 40212.2 | U/P |
| 35.842 | 0.0000 | 0.0000 | 89.984 | 1.12950 | 0.00000 | 286378.1 | 176831.1 | 40212.2 | U/P |
| 35.850 | 0.0000 | 0.0000 | 89.983 | 1.12910 | 0.00000 | 286378.1 | 176865.0 | 40212.2 | U/P |
| 35.858 | 0.0000 | 0.0000 | 89.981 | 1.12870 | 0.00000 | 286378.1 | 176898.9 | 40212.2 | U/P |
| 35.867 | 0.0000 | 0.0000 | 89.979 | 1.12830 | 0.00000 | 286378.1 | 176932.7 | 40212.2 | U/P |
| 35.875 | 0.0000 | 0.0000 | 89.977 | 1.12791 | 0.00000 | 286378.1 | 176966.6 | 40212.2 | U/P |
| 35.883 | 0.0000 | 0.0000 | 89.976 | 1.12751 | 0.00000 | 286378.1 | 177000.4 | 40212.2 | U/P |
| 35.892 | 0.0000 | 0.0000 | 89.974 | 1.12711 | 0.00000 | 286378.1 | 177034.2 | 40212.2 | U/P |
| 35.900 | 0.0000 | 0.0000 | 89.972 | 1.12671 | 0.00000 | 286378.1 | 177068.0 | 40212.2 | U/P |
| 35.908 | 0.0000 | 0.0000 | 89.970 | 1.12632 | 0.00000 | 286378.1 | 177101.8 | 40212.2 | U/P |
| 35.917 | 0.0000 | 0.0000 | 89.969 | 1.12592 | 0.00000 | 286378.1 | 177135.6 | 40212.2 | U/P |
| 35.925 | 0.0000 | 0.0000 | 89.967 | 1.12552 | 0.00000 | 286378.1 | 177169.4 | 40212.2 | U/P |
| 35.933 | 0.0000 | 0.0000 | 89.965 | 1.12512 | 0.00000 | 286378.1 | 177203.1 | 40212.2 | U/P |
| 35.942 | 0.0000 | 0.0000 | 89.964 | 1.12473 | 0.00000 | 286378.1 | 177236.9 | 40212.2 | U/P |
| 35.950 | 0.0000 | 0.0000 | 89.962 | 1.12433 | 0.00000 | 286378.1 | 177270.6 | 40212.2 | U/P |
| 35.958 | 0.0000 | 0.0000 | 89.960 | 1.12393 | 0.00000 | 286378.1 | 177304.3 | 40212.2 | U/P |
| 35.967 | 0.0000 | 0.0000 | 89.958 | 1.12354 | 0.00000 | 286378.1 | 177338.1 | 40212.2 | U/P |
| 35.975 | 0.0000 | 0.0000 | 89.957 | 1.12314 | 0.00000 | 286378.1 | 177371.8 | 40212.2 | U/P |
| 35.983 | 0.0000 | 0.0000 | 89.955 | 1.12274 | 0.00000 | 286378.1 | 177405.4 | 40212.2 | U/P |
| 35.992 | 0.0000 | 0.0000 | 89.953 | 1.12234 | 0.00000 | 286378.1 | 177439.1 | 40212.2 | U/P |
| 36.000 | 0.0000 | 0.0000 | 89.951 | 1.12195 | 0.00000 | 286378.1 | 177472.8 | 40212.2 | U/P |
| 36.008 | 0.0000 | 0.0000 | 89.950 | 1.12155 | 0.00000 | 286378.1 | 177506.4 | 40212.2 | U/P |
| 36.017 | 0.0000 | 0.0000 | 89.948 | 1.12115 | 0.00000 | 286378.1 | 177540.1 | 40212.2 | U/P |
| 36.025 | 0.0000 | 0.0000 | 89.946 | 1.12075 | 0.00000 | 286378.1 | 177573.7 | 40212.2 | U/P |
| 36.033 | 0.0000 | 0.0000 | 89.944 | 1.12036 | 0.00000 | 286378.1 | 177607.3 | 40212.2 | U/P |
| 36.042 | 0.0000 | 0.0000 | 89.943 | 1.11996 | 0.00000 | 286378.1 | 177640.9 | 40212.2 | U/P |
| 36.050 | 0.0000 | 0.0000 | 89.941 | 1.11956 | 0.00000 | 286378.1 | 177674.5 | 40212.2 | U/P |
| 36.058 | 0.0000 | 0.0000 | 89.939 | 1.11916 | 0.00000 | 286378.1 | 177708.1 | 40212.2 | U/P |
| 36.067 | 0.0000 | 0.0000 | 89.937 | 1.11877 | 0.00000 | 286378.1 | 177741.7 | 40212.2 | U/P |
| 36.075 | 0.0000 | 0.0000 | 89.936 | 1.11837 | 0.00000 | 286378.1 | 177775.2 | 40212.2 | U/P |
| 36.083 | 0.0000 | 0.0000 | 89.934 | 1.11797 | 0.00000 | 286378.1 | 177808.8 | 40212.2 | U/P |
| 36.092 | 0.0000 | 0.0000 | 89.932 | 1.11758 | 0.00000 | 286378.1 | 177842.3 | 40212.2 | U/P |
| 36.100 | 0.0000 | 0.0000 | 89.931 | 1.11718 | 0.00000 | 286378.1 | 177875.8 | 40212.2 | U/P |
| 36.108 | 0.0000 | 0.0000 | 89.929 | 1.11678 | 0.00000 | 286378.1 | 177909.3 | 40212.2 | U/P |
| 36.117 | 0.0000 | 0.0000 | 89.927 | 1.11638 | 0.00000 | 286378.1 | 177942.8 | 40212.2 | U/P |
| 36.125 | 0.0000 | 0.0000 | 89.925 | 1.11599 | 0.00000 | 286378.1 | 177976.3 | 40212.2 | U/P |
| 36.133 | 0.0000 | 0.0000 | 89.924 | 1.11559 | 0.00000 | 286378.1 | 178009.8 | 40212.2 | U/P |
| 36.142 | 0.0000 | 0.0000 | 89.922 | 1.11519 | 0.00000 | 286378.1 | 178043.3 | 40212.2 | U/P |
| 36.150 | 0.0000 | 0.0000 | 89.920 | 1.11479 | 0.00000 | 286378.9 | 178076.7 | 40212.2 | U/P |
| 36.158 | 0.0000 | 0.0000 | 89.918 | 1.11440 | 0.00000 | 286378.1 | 178110.1 | 40212.2 | U/P |
| 36.167 | 0.0000 | 0.0000 | 89.917 | 1.11400 | 0.00000 | 286378.1 | 178143.6 | 40212.2 | U/P |
| 36.175 | 0.0000 | 0.0000 | 89.915 | 1.11360 | 0.00000 | 286378.1 | 178177.0 | 40212.2 | U/P |
| 36.183 | 0.0000 | 0.0000 | 89.913 | 1.11320 | 0.00000 | 286378.1 | 178210.4 | 40212.2 | U/P |
| 36.192 | 0.0000 | 0.0000 | 89.911 | 1.11281 | 0.00000 | 286378.1 | 178243.8 | 40212.2 | U/P |
| 36.200 | 0.0000 | 0.0000 | 89.910 | 1.11241 | 0.00000 | 286378.1 | 178277.2 | 40212.2 | U/P |
| 36.208 | 0.0000 | 0.0000 | 89.908 | 1.11201 | 0.00000 | 286378.1 | 178310.5 | 40212.2 | U/P |
| 36.217 | 0.0000 | 0.0000 | 89.906 | 1.11162 | 0.00000 | 286378.1 | 178343.9 | 40212.2 | U/P |
| 36.225 | 0.0000 | 0.0000 | 89.905 | 1.11122 | 0.00000 | 286378.1 | 178377.2 | 40212.2 | U/P |
| 36.233 | 0.0000 | 0.0000 | 89.903 | 1.11082 | 0.00000 | 286378.1 | 178410.5 | 40212.2 | U/P |
| 36.242 | 0.0000 | 0.0000 | 89.901 | 1.11042 | 0.00000 | 286378.1 | 178443.9 | 40212.2 | U/P |
| 36.250 | 0.0000 | 0.0000 | 89.899 | 1.11003 | 0.00000 | 286378.1 | 178477.2 | 40212.2 | U/P |
| 36.258 | 0.0000 | 0.0000 | 89.898 | 1.10963 | 0.00000 | 286378.1 | 178510.5 | 40212.2 | U/P |
| 36.267 | 0.0000 | 0.0000 | 89.896 | 1.10923 | 0.00000 | 286378.1 | 178543.8 | 40212.2 | U/P |
| 36.275 | 0.0000 | 0.0000 | 89.894 | 1.10883 | 0.00000 | 286378.1 | 178577.0 | 40212.2 | U/P |
| 36.283 | 0.0000 | 0.0000 | 89.892 | 1.10844 | 0.00000 | 286378.1 | 178610.3 | 40212.2 | U/P |
| 36.292 | 0.0000 | 0.0000 | 89.891 | 1.10804 | 0.00000 | 286378.1 | 178643.5 | 40212.2 | U/P |
| 36.300 | 0.0000 | 0.0000 | 89.889 | 1.10764 | 0.00000 | 286378.1 | 178676.8 | 40212.2 | U/P |
| 36.308 | 0.0000 | 0.0000 | 89.887 | 1.10724 | 0.00000 | 286378.1 | 178710.0 | 40212.2 | U/P |
| 36.317 | 0.0000 | 0.0000 | 89.885 | 1.10685 | 0.00000 | 286378.1 | 178743.2 | 40212.2 | U/P |
| 36.325 | 0.0000 | 0.0000 | 89.884 | 1.10645 | 0.00000 | 286378.1 | 178776.4 | 40212.2 | U/P |
| 36.333 | 0.0000 | 0.0000 | 89.882 | 1.10605 | 0.00000 | 286378.1 | 178809.6 | 40212.2 | U/P |
| 36.342 | 0.0000 | 0.0000 | 89.880 | 1.10566 | 0.00000 | 286378.1 | 178842.8 | 40212.2 | U/P |
| 36.350 | 0.0000 | 0.0000 | 89.878 | 1.10526 | 0.00000 | 286378.1 | 178875.9 | 40212.2 | U/P |
| 36.358 | 0.0000 | 0.0000 | 89.877 | 1.10486 | 0.00000 | 286378.1 | 178909.1 | 40212.2 | U/P |
| 36.367 | 0.0000 | 0.0000 | 89.875 | 1.10446 | 0.00000 | 286378.1 | 178942.2 | 40212.2 | U/P |
| 36.375 | 0.0000 | 0.0000 | 89.873 | 1.10407 | 0.00000 | 286378.1 | 178975.3 | 40212.2 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 4100 yr/24 hr

| Elapsed Time (hours) | Infow Rate (ft ${ }^{3 / 5}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Fiow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 36.383 | 0.0000 | 0.0000 | 89.872 | 1.10367 | 0.00000 | 286378.1 | 179008.5 | 40212.2 | U/P |
| 36.392 | 0.0000 | 0.0000 | 89.870 | 1.10327 | 0.00000 | 286378.1 | 179041.6 | 40212.2 | U/P |
| 36.400 | 0.0000 | 0.0000 | 89.868 | 1.10287 | 0.00000 | 286378.1 | 179074.7 | 40212.2 | U/P |
| 36.408 | 0.0000 | 0.0000 | 89.866 | 1.10248 | 0.00000 | 286378.1 | 179107.7 | 40212.2 | U/P |
| 36.417 | 0.0000 | 0.0000 | 89.865 | 1.10208 | 0.00000 | 286378.1 | 179140.8 | 40212.2 | U/P |
| 36.425 | 0.0000 | 0.0000 | 89.863 | 1.10168 | 0.00000 | 286378.1 | 179173.9 | 40212.2 | U/P |
| 36.433 | 0.0000 | 0.0000 | 89.861 | 1.10128 | 0.00000 | 286378.1 | 179206.9 | 40212.2 | U/P |
| 36.442 | 0.0000 | 0.0000 | 89.859 | 1.10089 | 0.00000 | 286378.1 | 179239.9 | 40212.2 | U/P |
| 36.450 | 0.0000 | 0.0000 | 89.858 | 1.10049 | 0.00000 | 286378.1 | 179273.0 | 40212.2 | U/P |
| 36.458 | 0.0000 | 0.0000 | 89.856 | 1.10009 | 0.00000 | 286378.1 | 179306.0 | 40212.2 | U/P |
| 36.467 | 0.0000 | 0.0000 | 89.854 | 1.09970 | 0.00000 | 286378.1 | 179339.0 | 40212.2 | U/P |
| 36.475 | 0.0000 | 0.0000 | 89.852 | 1.09930 | 0.00000 | 286378.1 | 179372.0 | 40212.2 | U/P |
| 36.483 | 0.0000 | 0.0000 | 89.851 | 1.09890 | 0.00000 | 286378.1 | 179404.9 | 40212.2 | U/P |
| 36.492 | 0.0000 | 0.0000 | 89.849 | 1.09850 | 0.00000 | 286378.1 | 179437.9 | 40212.2 | U/P |
| 36.500 | 0.0000 | 0.0000 | 89.847 | 1.09811 | 0.00000 | 286378.1 | 179470.8 | 40212.2 | U/P |
| 36.508 | 0.0000 | 0.0000 | 89.845 | 1.09771 | 0.00000 | 286378.1 | 179503.8 | 40212.2 | U/P |
| 36.517 | 0.0000 | 0.0000 | 89.844 | 1.09731 | 0.00000 | 286378.1 | 179536.7 | 40212.2 | U/P |
| 36.525 | 0.0000 | 0.0000 | 89.842 | 1.09691 | 0.00000 | 286378.1 | 179569.6 | 40212.2 | U/P |
| 36.533 | 0.0000 | 0.0000 | 89.840 | 1.09652 | 0.00000 | 286378.1 | 179602.5 | 40212.2 | U/P |
| 36.542 | 0.0000 | 0.0000 | 89.839 | 1.09612 | 0.00000 | 286378.1 | 179635.4 | 40212.2 | U/P |
| 36.550 | 0.0000 | 0.0000 | 89.837 | 1.09572 | 0.00000 | 286378.1 | 179668.3 | 40212.2 | U/P |
| 36.558 | 0.0000 | 0.0000 | 89.835 | 1.09533 | 0.00000 | 286378.1 | 179701.1 | 40212.2 | U/P |
| 36.567 | 0.0000 | 0.0000 | 89.833 | 1.09493 | 0.00000 | 286378.1 | 179734.0 | 40212.2 | U/P |
| 36.575 | 0.0000 | 0.0000 | 89.832 | 1.09453 | 0.00000 | 286378.1 | 179766.8 | 40212.2 | U/P |
| 36.583 | 0.0000 | 0.0000 | 89.830 | 1.09413 | 0.00000 | 286378.1 | 179799.7 | 40212.2 | U/P |
| 36.592 | 0.0000 | 0.0000 | 89.828 | 1.09374 | 0.00000 | 286378.1 | 179832.5 | 40212.2 | U/P |
| 36.600 | 0.0000 | 0.0000 | 89.826 | 1.09334 | 0.00000 | 286378.1 | 179865.3 | 40212.2 | U/P |
| 36.608 | 0.0000 | 0.0000 | 89.825 | 1.09294 | 0.00000 | 286378.1 | 179898.1 | 40212.2 | U/P |
| 36.617 | 0.0000 | 0.0000 | 89.823 | 1.09254 | 0.00000 | 286378.1 | 179930.9 | 40212.2 | U/P |
| 36.625 | 0.0000 | 0.0000 | 89.821 | 1.09215 | 0.00000 | 286378.1 | 179963.6 | 40212.2 | U/P |
| 36.633 | 0.0000 | 0.0000 | 89.819 | 1.09175 | 0.00000 | 286378.1 | 179996.4 | 40212.2 | U/P |
| 36.642 | 0.0000 | 0.0000 | 89.818 | 1.09135 | 0.00000 | 286378.1 | 180029.1 | 40212.2 | U/P |
| 36.650 | 0.0000 | 0.0000 | 89.816 | 1.09095 | 0.00000 | 286378.1 | 180061.9 | 40212.2 | U/P |
| 36.658 | 0.0000 | 0.0000 | 89.814 | 1.09056 | 0.00000 | 286378.1 | 180094.6 | 40212.2 | U/P |
| 36.667 | 0.0000 | 0.0000 | 89.812 | 1.09016 | 0.00000 | 286378.1 | 180127.3 | 40212.2 | U/P |
| 36.675 | 0.0000 | 0.0000 | 89.811 | 1.08976 | 0.00000 | 286378.1 | 180160.0 | 40212.2 | U/P |
| 36.683 | 0.0000 | 0.0000 | 89.809 | 1.08937 | 0.00000 | 286378.1 | 180192.7 | 40212.2 | U/P |
| 36.692 | 0.0000 | 0.0000 | 89.807 | 1.08897 | 0.00000 | 286378.1 | 180225.4 | 40212.2 | U/P |
| 36.700 | 0.0000 | 0.0000 | 89.806 | 1.08857 | 0.00000 | 286378.1 | 180258.0 | 40212.2 | U/P |
| 36.708 | 0.0000 | 0.0000 | 89.804 | 1.08817 | 0.00000 | 286378.1 | 180290.7 | 40212.2 | U/P |
| 36.717 | 0.0000 | 0.0000 | 89.802 | 1.08778 | 0.00000 | 286378.1 | 180323.3 | 40212.2 | U/P |
| 36.725 | 0.0000 | 0.0000 | 89.800 | 1.08738 | 0.00000 | 286378.1 | 180356.0 | 40212.2 | U/P |
| 36.733 | 0.0000 | 0.0000 | 89.799 | 1.08698 | 0.00000 | 286378.1 | 180388.6 | 40212.2 | U/P |
| 36.742 | 0.0000 | 0.0000 | 89.797 | 1.08658 | 0.00000 | 286378.1 | 180421.2 | 40212.2 | U/P |
| 36.750 | 0.0000 | 0.0000 | 89.795 | 1.08619 | 0.00000 | 286378.1 | 180453.8 | 40212.2 | U/P |
| 36.758 | 0.0000 | 0.0000 | 89.793 | 1.08579 | 0.00000 | 286378.1 | 180486.3 | 40212.2 | U/P |
| 36.767 | 0.0000 | 0.0000 | 89.792 | 1.08539 | 0.00000 | 286378.1 | 180518.9 | 40212.2 | U/P |
| 36.775 | 0.0000 | 0.0000 | 89.790 | 1.08499 | 0.00000 | 286378.1 | 180551.5 | 40212.2 | U/P |
| 36.783 | 0.0000 | 0.0000 | 89.788 | 1.08460 | 0.00000 | 286378.1 | 180584.0 | 40212.2 | U/P |
| 36.792 | 0.0000 | 0.0000 | 89.786 | 1.08420 | 0.00000 | 286378.1 | 180616.5 | 40212.2 | U/P |
| 36.800 | 0.0000 | 0.0000 | 89.785 | 1.08380 | 0.00000 | 286378.1 | 180649.1 | 40212.2 | U/P |
| 36.808 | 0.0000 | 0.0000 | 89.783 | 1.08341 | 0.00000 | 286378.1 | 180681.6 | 40212.2 | U/P |
| 36.817 | 0.0000 | 0.0000 | 89.781 | 1.08301 | 0.00000 | 286378.1 | 180714.1 | 40212.2 | U/P |
| 36.825 | 0.0000 | 0.0000 | 89.779 | 1.08261 | 0.00000 | 286378.1 | 180746.5 | 40212.2 | U/P |
| 36.833 | 0.0000 | 0.0000 | 89.778 | 1.08221 | 0.00000 | 286378.1 | 180779.0 | 40212.2 | U/P |
| 36.842 | 0.0000 | 0.0000 | 89.776 | 1.08182 | 0.00000 | 286378.1 | 180811.5 | 40212.2 | U/P |
| 36.850 | 0.0000 | 0.0000 | 89.774 | 1.08142 | 0.00000 | 286378.1 | 180843.9 | 40212.2 | U/P |
| 36.858 | 0.0000 | 0.0000 | 89.773 | 1.08102 | 0.00000 | 286378.1 | 180876.4 | 40212.2 | U/P |
| 36.867 | 0.0000 | 0.0000 | 89.771 | 1.08062 | 0.00000 | 286378.1 | 180908.8 | 40212.2 | U/P |
| 36.875 | 0.0000 | 0.0000 | 89.769 | 1.08023 | 0.00000 | 286378.1 | 180941.2 | 40212.2 | U/P |
| 36.883 | 0.0000 | 0.0000 | 89.767 | 1.07983 | 0.00000 | 286378.1 | 180973.6 | 40212.2 | U/P |
| 36.892 | 0.0000 | 0.0000 | 89.766 | 1.07943 | 0.00000 | 286378.1 | 181006.0 | 40212.2 | U/P |
| 36.900 | 0.0000 | 0.0000 | 89.764 | 1.07903 | 0.00000 | 286378.1 | 181038.4 | 40212.2 | U/P |
| 36.908 | 0.0000 | 0.0000 | 89.762 | 1.07864 | 0.00000 | 286378.1 | 181070.7 | 40212.2 | U/P |
| 36.917 | 0.0000 | 0.0000 | 89.760 | 1.07824 | 0.00000 | 286378.1 | 181103.1 | 40212.2 | U/P |
| 36.925 | 0.0000 | 0.0000 | 89.759 | 1.07784 | 0.00000 | 286378.1 | 181135.4 | 40212.2 | U/P |
| 36.933 | 0.0000 | 0.0000 | 89.757 | 1.07745 | 0.00000 | 286378.1 | 181167.8 | 40212.2 | U/P |
| 36.942 | 0.0000 | 0.0000 | 89.755 | 1.07705 | 0.00000 | 286378.1 | 181200.1 | 40212.2 | U/P |
| 36.950 | 0.0000 | 0.0000 | 89.753 | 1.07665 | 0.00000 | 286378.1 | 181232.4 | 40212.2 | U/P |
| 36.958 | 0.0000 | 0.0000 | 89.752 | 1.07625 | 0.00000 | 286378.1 | 181264.7 | 40212.2 | U/P |
| 36.967 | 0.0000 | 0.0000 | 89.750 | 1.07586 | 0.00000 | 286378.1 | 181297.0 | 40212.2 | U/P |
| 36.975 | 0.0000 | 0.0000 | 89.748 | 1.07546 | 0.00000 | 286378.1 | 181329.2 | 40212.2 | U/P |
| 36.983 | 0.0000 | 0.0000 | 89.746 | 1.07506 | 0.00000 | 286378.1 | 181361.5 | 40212.2 | U/P |
| 36.992 | 0.0000 | 0.0000 | 89.745 | 1.07466 | 0.00000 | 286378.1 | 181393.7 | 40212.2 | U/P |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: Pond $4100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge (ft3/s) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 37.000 | 0.0000 | 0.0000 | 89.743 | 1.07427 | 0.00000 | 286378.1 | 181426.0 | 40212.2 | U/P |
| 37.008 | 0.0000 | 0.0000 | 89.741 | 1.07387 | 0.00000 | 286378.1 | 181458.2 | 40212.2 | U/P |
| 37.017 | 0.0000 | 0.0000 | 89.740 | 1.07347 | 0.00000 | 286378.1 | 181490.4 | 40212.2 | U/P |
| 37.025 | 0.0000 | 0.0000 | 89.738 | 1.07307 | 0.00000 | 286378.1 | 181522.6 | 40212.2 | U/P |
| 37.033 | 0.0000 | 0.0000 | 89.736 | 1.07268 | 0.00000 | 286378.1 | 181554.8 | 40212.2 | U/P |
| 37.042 | 0.0000 | 0.0000 | 89.734 | 1.07228 | 0.00000 | 286378.1 | 181587.0 | 40212.2 | U/P |
| 37.050 | 0.0000 | 0.0000 | 89.733 | 1.07188 | 0.00000 | 286378.1 | 181619.1 | 40212.2 | U/P |
| 37.058 | 0.0000 | 0.0000 | 89.731 | 1.07149 | 0.00000 | 286378.1 | 181651.3 | 40212.2 | U/P |
| 37.067 | 0.0000 | 0.0000 | 89.729 | 1.07109 | 0.00000 | 286378.1 | 181683.4 | 40212.2 | U/P |
| 37.075 | 0.0000 | 0.0000 | 89.727 | 1.07069 | 0.00000 | 286378.1 | 181715.5 | 40212.2 | U/P |
| 37.083 | 0.0000 | 0.0000 | 89.726 | 1.07029 | 0.00000 | 286378.1 | 181747.7 | 40212.2 | U/P |
| 37.092 | 0.0000 | 0.0000 | 89.724 | 1.06990 | 0.00000 | 286378.1 | 181779.8 | 40212.2 | U/P |
| 37.100 | 0.0000 | 0.0000 | 89.722 | 1.06950 | 0.00000 | 286378.1 | 181811.8 | 40212.2 | U/P |
| 37.108 | 0.0000 | 0.0000 | 89.720 | 1.06910 | 0.00000 | 286378.1 | 181843.9 | 40212.2 | U/P |
| 37.117 | 0.0000 | 0.0000 | 89.719 | 1.06870 | 0.00000 | 286378.1 | 181876.0 | 40212.2 | U/P |
| 37.125 | 0.0000 | 0.0000 | 89.717 | 1.06831 | 0.00000 | 286378.1 | 181908.0 | 40212.2 | U/P |
| 37.133 | 0.0000 | 0.0000 | 89.715 | 1.06791 | 0.00000 | 286378.1 | 181940.1 | 40212.2 | U/P |
| 37.142 | 0.0000 | 0.0000 | 89.713 | 1.06751 | 0.00000 | 286378.1 | 181972.1 | 40212.2 | U/P |
| 37.150 | 0.0000 | 0.0000 | 89.712 | 1.06711 | 0.00000 | 286378.1 | 182004.1 | 40212.2 | U/P |
| 37.158 | 0.0000 | 0.0000 | 89.710 | 1.06672 | 0.00000 | 286378.1 | 182036.1 | 40212.2 | U/P |
| 37.167 | 0.0000 | 0.0000 | 89.708 | 1.06632 | 0.00000 | 286378.1 | 182068.1 | 40212.2 | U/P |
| 37.175 | 0.0000 | 0.0000 | 89.707 | 1.06592 | 0.00000 | 286378.1 | 182100.1 | 40212.2 | U/P |
| 37.183 | 0.0000 | 0.0000 | 89.705 | 1.06553 | 0.00000 | 286378.1 | 182132.1 | 40212.2 | U/P |
| 37.192 | 0.0000 | 0.0000 | 89.703 | 1.06513 | 0.00000 | 286378.1 | 182164.1 | 40212.2 | U/P |
| 37.200 | 0.0000 | 0.0000 | 89.701 | 1.06473 | 0.00000 | 286378.1 | 182196.0 | 40212.2 | U/P |
| 37.208 | 0.0000 | 0.0000 | 89.700 | 1.06433 | 0.00000 | 286378.1 | 182227.9 | 40212.2 | U/P |
| 37.217 | 0.0000 | 0.0000 | 89.698 | 1.06394 | 0.00000 | 286378.1 | 182259.9 | 40212.2 | U/P |
| 37.225 | 0.0000 | 0.0000 | 89.696 | 1.06354 | 0.00000 | 286378.1 | 182291.8 | 40212.2 | U/P |
| 37.233 | 0.0000 | 0.0000 | 89.694 | 1.06314 | 0.00000 | 286378.1 | 182323.7 | 40212.2 | U/P |
| 37.242 | 0.0000 | 0.0000 | 89.693 | 1.06274 | 0.00000 | 286378.1 | 182355.6 | 40212.2 | U/P |
| 37.250 | 0.0000 | 0.0000 | 89.691 | 1.06235 | 0.00000 | 286378.1 | 182387.4 | 40212.2 | U/P |
| 37.258 | 0.0000 | 0.0000 | 89.689 | 1.06195 | 0.00000 | 286378.1 | 182419.3 | 40212.2 | U/P |
| 37.267 | 0.0000 | 0.0000 | 89.687 | 1.06155 | 0.00000 | 286378.1 | 182451.2 | 40212.2 | U/P |
| 37.275 | 0.0000 | 0.0000 | 89.686 | 1.06115 | 0.00000 | 286378.1 | 182483.0 | 40212.2 | U/P |
| 37.283 | 0.0000 | 0.0000 | 89.684 | 1.06076 | 0.00000 | 286378.1 | 182514.8 | 40212.2 | U/P |
| 37.292 | 0.0000 | 0.0000 | 89.682 | 1.08036 | 0.00000 | 286378.1 | 182546.6 | 40212.2 | U/P |
| 37.300 | 0.0000 | 0.0000 | 89.681 | 1.05996 | 0.00000 | 286378.1 | 182578.5 | 40212.2 | U/P |
| 37.308 | 0.0000 | 0.0000 | 89.679 | 1.05957 | 0.00000 | 286378.1 | 182610.2 | 40212.2 | U/P |
| 37.317 | 0.0000 | 0.0000 | 89.677 | 1.05917 | 0.00000 | 286378.1 | 182642.0 | 40212.2 | U/P |
| 37.325 | 0.0000 | 0.0000 | 89.675 | 1.05877 | 0.00000 | 286378.1 | 182673.8 | 40212.2 | U/P |
| 37.333 | 0.0000 | 0.0000 | 89.674 | 1.05837 | 0.00000 | 286378.1 | 182705.5 | 40212.2 | U/P |
| 37.342 | 0.0000 | 0.0000 | 89,672 | 1.05798 | 0.00000 | 286378.1 | 182737.3 | 40212.2 | U/P |
| 37.350 | 0.0000 | 0.0000 | 89,670 | 1.05758 | 0.00000 | 286378.1 | 182769.0 | 40212.2 | U/P |
| 37.358 | 0.0000 | 0.0000 | 89.668 | 1.05718 | 0.00000 | 286378.1 | 182800.8 | 40212.2 | U/P |
| 37.367 | 0.0000 | 0.0000 | 89.667 | 1.05678 | 0.00000 | 286378.1 | 182832.5 | 40212.2 | U/P |
| 37.375 | 0.0000 | 0.0000 | 89.665 | 1.05639 | 0.00000 | 286378.1 | 182864.2 | 40212.2 | U/P |
| 37.383 | 0.0000 | 0.0000 | 89.663 | 1.05599 | 0.00000 | 286378.1 | 182895.8 | 40212.2 | U/P |
| 37.392 | 0.0000 | 0.0000 | 89.661 | 1.05559 | 0.00000 | 286378.1 | 182927.5 | 40212.2 | U/P |
| 37.400 | 0.0000 | 0.0000 | 89.660 | 1.05519 | 0.00000 | 286378.1 | 182959.2 | 40212.2 | U/P |
| 37.408 | 0.0000 | 0.0000 | 89.658 | 1.05480 | 0.00000 | 286378.1 | 182990.8 | 40212.2 | U/P |
| 37.417 | 0.0000 | 0.0000 | 89.656 | 1.05440 | 0.00000 | 286378.1 | 183022.5 | 40212.2 | U/P |
| 37.425 | 0.0000 | 0.0000 | 89.654 | 1.05400 | 0.00000 | 286378.1 | 183054.1 | 40212.2 | U/P |
| 37.433 | 0.0000 | 0.0000 | 89.653 | 1.05361 | 0.00000 | 286378.1 | 183085.7 | 40212.2 | U/P |
| 37.442 | 0.0000 | 0.0000 | 89.651 | 1.05321 | 0.00000 | 286378.1 | 183117.3 | 40212.2 | U/P |
| 37.450 | 0.0000 | 0.0000 | 89.649 | 1.05281 | 0.00000 | 286378.1 | 183148.9 | 40212.2 | U/P |
| 37.458 | 0.0000 | 0.0000 | 89.648 | 1.05241 | 0.00000 | 286378.1 | 183180.5 | 40212.2 | U/P |
| 37.467 | 0.0000 | 0.0000 | 89.646 | 1.05202 | 0.00000 | 286378.1 | 183212.0 | 40212.2 | U/P |
| 37.475 | 0.0000 | 0.0000 | 89.644 | 1.05162 | 0.00000 | 286378.1 | 183243.6 | 40212.2 | U/P |
| 37.483 | 0.0000 | 0.0000 | 89.642 | 1.05122 | 0.00000 | 286378.1 | 183275.1 | 40212.2 | U/P |
| 37.492 | 0.0000 | 0.0000 | 89.641 | 1.05082 | 0.00000 | 286378.1 | 183306.7 | 40212.2 | U/P |
| 37.500 | 0.0000 | 0.0000 | 89.639 | 1.05043 | 0.00000 | 286378.1 | 183338.2 | 40212.2 | U/P |
| 37.508 | 0.0000 | 0.0000 | 89.637 | 1.05003 | 0.00000 | 286378.1 | 183369.7 | 40212.2 | U/P |
| 37.517 | 0.0000 | 0.0000 | 89.635 | 1.04963 | 0.00000 | 286378.1 | 183401.2 | 40212.2 | U/P |
| 37.525 | 0.0000 | 0.0000 | 89.634 | 1.04923 | 0.00000 | 286378.1 | 183432.7 | 40212.2 | U/P |
| 37.533 | 0.0000 | 0.0000 | 89.632 | 1.04884 | 0.00000 | 286378.1 | 183464.1 | 40212.2 | U/P |
| 37.542 | 0.0000 | 0.0000 | 89.630 | 1.04844 | 0.00000 | 286378.1 | 183495.6 | 40212.2 | U/P |
| 37.550 | 0.0000 | 0.0000 | 89.628 | 1.04804 | 0.00000 | 286378.1 | 183527.0 | 40212.2 | U/P |
| 37.558 | 0.0000 | 0.0000 | 89.627 | 1.04765 | 0.00000 | 286378.1 | 183558.5 | 40212.2 | U/P |
| 37.567 | 0.0000 | 0.0000 | 89.625 | 1.04725 | 0.00000 | 286378.1 | 183589.9 | 40212.2 | U/P |
| 37.575 | 0.0000 | 0.0000 | 89.623 | 1.04685 | 0.00000 | 286378.1 | 183621.3 | 40212.2 | U/P |
| 37.583 | 0.0000 | 0.0000 | 89.621 | 1.04645 | 0.00000 | 286378.1 | 183652.7 | 40212.2 | U/P |
| 37.592 | 0.0000 | 0.0000 | 89.620 | 1.04606 | 0.00000 | 286378.1 | 183684.1 | 40212.2 | U/P |
| 37.600 | 0.0000 | 0.0000 | 89.618 | 1.04566 | 0.00000 | 286378.1 | 183715.5 | 40212.2 | U/P |
| 37.608 | 0.0000 | 0.0000 | 89.616 | 1.04526 | 0.00000 | 286378.1 | 183746.8 | 40212.2 | U/P |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: Pond $4100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (fidday) | Stage Elevation (ft datum) | Infiltration Rate (fis/s) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiftration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 37.617 | 0.0000 | 0.0000 | 89.615 | 1.04486 | 0.00000 | 286378.1 | 183778.2 | 40212.2 | U/P |
| 37.625 | 0.0000 | 0.0000 | 89.613 | 1.04447 | 0.00000 | 286378.1 | 183809.5 | 40212.2 | U/P |
| 37.633 | 0.0000 | 0.0000 | 89.611 | 1.04407 | 0.00000 | 286378.1 | 183840.9 | 40212.2 | U/P |
| 37.642 | 0.0000 | 0.0000 | 89.609 | 1.04367 | 0.00000 | 286378.1 | 183872.2 | 40212.2 | U/P |
| 37.650 | 0.0000 | 0.0000 | 89.608 | 1.04327 | 0.00000 | 286378.1 | 183903.5 | 40212.2 | U/P |
| 37.658 | 0.0000 | 0.0000 | 89,606 | 1.04288 | 0.00000 | 286378.1 | 183934.8 | 40212.2 | U/P |
| 37.667 | 0.0000 | 0.0000 | 89.604 | 1.04248 | 0.00000 | 286378.1 | 183966.1 | 40212.2 | U/P |
| 37.675 | 0.0000 | 0.0000 | 89.602 | 1.04208 | 0.00000 | 286378.1 | 183997.3 | 40212.2 | U/P |
| 37.683 | 0.0000 | 0.0000 | 89.601 | 1.04169 | 0.00000 | 286378.1 | 184028.6 | 40212.2 | U/P |
| 37.692 | 0.0000 | 0.0000 | 89.599 | 1.04129 | 0.00000 | 286378.1 | 184059.8 | 40212.2 | U/P |
| 37.700 | 0.0000 | 0.0000 | 89.597 | 1.04089 | 0.00000 | 286378.1 | 184091.1 | 40212.2 | U/P |
| 37.708 | 0.0000 | 0.0000 | 89.595 | 1.04049 | 0.00000 | 286378.1 | 184122.3 | 40212.2 | U/P |
| 37.717 | 0.0000 | 0.0000 | 89.594 | 1.04010 | 0.00000 | 286378.1 | 184153.5 | 40212.2 | U/P |
| 37.725 | 0.0000 | 0.0000 | 89.592 | 1.03970 | 0.00000 | 286378.1 | 184184.7 | 40212.2 | U/P |
| 37.733 | 0.0000 | 0.0000 | 89.590 | 1.03930 | 0.00000 | 286378.1 | 184215.9 | 40212.2 | U/P |
| 37.742 | 0.0000 | 0.0000 | 89.588 | 1.03890 | 0.00000 | 286378.1 | 184247.0 | 40212.2 | U/P |
| 37.750 | 0.0000 | 0.0000 | 89.587 | 1.03851 | 0.00000 | 286378.1 | 184278.2 | 40212.2 | U/P |
| 37.758 | 0.0000 | 0.0000 | 89.585 | 1.03811 | 0.00000 | 286378.1 | 184309.4 | 40212.2 | U/P |
| 37.767 | 0.0000 | 0.0000 | 89.583 | 1.03771 | 0.00000 | 286378.1 | 184340.5 | 40212.2 | U/P |
| 37.775 | 0.0000 | 0.0000 | 89.582 | 1.03731 | 0.00000 | 286378.1 | 184371.6 | 40212.2 | U/P |
| 37.783 | 0.0000 | 0.0000 | 89.580 | 1.03692 | 0.00000 | 286378.1 | 184402.7 | 40212.2 | U/P |
| 37.792 | 0.0000 | 0.0000 | 89.578 | \$.03652 | 0.00000 | 286378.1 | 184433.8 | 40212.2 | U/P |
| 37.800 | 0.0000 | 0.0000 | 89.576 | 1.03612 | 0.00000 | 286378.1 | 184464.9 | 40212.2 | U/P |
| 37.808 | 0.0000 | 0.0000 | 89.575 | 1.03573 | 0.00000 | 286378.1 | 184496.0 | 40212.2 | U/P |
| 37.817 | 0.0000 | 0.0000 | 89.573 | 1.03533 | 0.00000 | 286378.1 | 184527.1 | 40212.2 | U/P |
| 37.825 | 0.0000 | 0.0000 | 89.571 | 1.03493 | 0.00000 | 286378.1 | 184558.1 | 40212.2 | U/P |
| 37.833 | 0.0000 | 0.0000 | 89.569 | 1.03453 | 0.00000 | 286378.1 | 184589.2 | 40212.2 | U/P |
| 37.842 | 0.0000 | 0.0000 | 89.568 | 1.03414 | 0.00000 | 286378.1 | 184620.2 | 40212.2 | U/P |
| 37.850 | 0.0000 | 0.0000 | 89.566 | 1.03374 | 0.00000 | 286378.1 | 184651.2 | 40212.2 | U/P |
| 37.858 | 0.0000 | 0.0000 | 89.564 | 1.03334 | 0.00000 | 286378.1 | 184682.2 | 40212.2 | U/P |
| 37.867 | 0.0000 | 0.0000 | 89.562 | 1.03294 | 0.00000 | 286378.1 | 184713.2 | 40212.2 | U/P |
| 37.875 | 0.0000 | 0.0000 | 89.561 | 1.03255 | 0.00000 | 286378.1 | 184744.2 | 40212.2 | U/P |
| 37.883 | 0.0000 | 0.0000 | 89.559 | 1.03215 | 0.00000 | 286378.1 | 184775.2 | 40212.2 | U/P |
| 37.892 | 0.0000 | 0.0000 | 89.557 | 1.03175 | 0.00000 | 286378.1 | 184806.1 | 40212.2 | U/P |
| 37.900 | 0.0000 | 0.0000 | 89.555 | 1.03135 | 0.00000 | 286378.1 | 184837.1 | 40212.2 | U/P |
| 37.908 | 0.0000 | 0.0000 | 89.554 | 1.03096 | 0.00000 | 286378.1 | 184868.0 | 40212.2 | U/P |
| 37.917 | 0.0000 | 0.0000 | 89.552 | 1.03056 | 0.00000 | 286378.1 | 184898.9 | 40212.2 | U/P |
| 37.925 | 0.0000 | 0.0000 | 89.550 | 1.03016 | 0.00000 | 286378.1 | 184929.8 | 40212.2 | U/P |
| 37.933 | 0.0000 | 0.0000 | 89.549 | 1.02977 | 0.00000 | 286378.1 | 184960.7 | 40212.2 | U/P |
| 37.942 | 0.0000 | 0.0000 | 89.547 | 1.02937 | 0.00000 | 286378.1 | 184991.6 | 40212.2 | U/P |
| 37.950 | 0.0000 | 0.0000 | 89.545 | 1.02897 | 0.00000 | 286378.1 | 185022.5 | 40212.2 | U/P |
| 37.958 | 0.0000 | 0.0000 | 89.543 | 1.02857 | 0.00000 | 286378.1 | 185053.4 | 40212.2 | U/P |
| 37.967 | 0.0000 | 0.0000 | 89.542 | 1.02818 | 0.00000 | 286378.1 | 185084.2 | 40212.2 | U/P |
| 37.975 | 0.0000 | 0.0000 | 89.540 | 1.02778 | 0.00000 | 286378.1 | 185115.0 | 40212.2 | U/P |
| 37.983 | 0.0000 | 0.0000 | 89.538 | 1.02738 | 0.00000 | 286378.1 | 185145.9 | 40212.2 | U/P |
| 37.992 | 0.0000 | 0.0000 | 89.536 | 1.02698 | 0.00000 | 286378.1 | 185176.7 | 40212.2 | U/P |
| 38.000 | 0.0000 | 0.0000 | 89.535 | 1.02659 | 0.00000 | 286378.1 | 185207.5 | 40212.2 | U/P |
| 38.008 | 0.0000 | 0.0000 | 89.533 | 1.02619 | 0.00000 | 286378.1 | 185238.3 | 40212.2 | U/P |
| 38.017 | 0.0000 | 0.0000 | 89.531 | 1.02579 | 0.00000 | 286378.1 | 185269.1 | 40212.2 | U/P |
| 38.025 | 0.0000 | 0.0000 | 89.529 | 1.02539 | 0.00000 | 286378.1 | 185299.8 | 40212.2 | U/P |
| 38.033 | 0.0000 | 0.0000 | 89.528 | 1.02500 | 0.00000 | 286378.1 | 185330.6 | 40212.2 | U/P |
| 38.042 | 0.0000 | 0.0000 | 89.526 | 1.02460 | 0.00000 | 286378.1 | 185361.3 | 40212.2 | U/P |
| 38.050 | 0.0000 | 0.0000 | 89.524 | 1.02420 | 0.00000 | 286378.1 | 185392.1 | 40212.2 | U/P |
| 38.058 | 0.0000 | 0.0000 | 89.522 | 1.02381 | 0.00000 | 286378.1 | 185422.8 | 40212.2 | U/P |
| 38.067 | 0.0000 | 0.0000 | 89.521 | 1.02341 | 0.00000 | 286378.1 | 185453.5 | 40212.2 | U/P |
| 38.075 | 0.0000 | 0.0000 | 89.519 | 1.02301 | 0.00000 | 286378.1 | 185484.2 | 40212.2 | U/P |
| 38.083 | 0.0000 | 0.0000 | 89.517 | 1.02261 | 0.00000 | 286378.1 | 185514.9 | 40212.2 | U/P |
| 38.092 | 0.0000 | 0.0000 | 89.516 | 1.02222 | 0.00000 | 286378.1 | 185545.5 | 40212.2 | U/P |
| 38.100 | 0.0000 | 0.0000 | 89.514 | 1.02182 | 0.00000 | 286378.1 | 185576.2 | 40212.2 | U/P |
| 38.108 | 0.0000 | 0.0000 | 89.512 | 1.02142 | 0.00000 | 286378.1 | 185606.9 | 40212.2 | U/P |
| 38.117 | 0.0000 | 0.0000 | 89.510 | 1.02102 | 0.00000 | 286378.1 | 185637.5 | 40212.2 | U/P |
| 38.125 | 0.0000 | 0.0000 | 89.509 | 1.02063 | 0.00000 | 286378.1 | 185668.1 | 40212.2 | U/P |
| 38.133 | 0.0000 | 0.0000 | 89.507 | 1.02023 | 0.00000 | 286378.1 | 185698.7 | 40212.2 | U/P |
| 38.142 | 0.0000 | 0.0000 | 89.505 | 1.01983 | 0.00000 | 286378.1 | 185729.3 | 40212.2 | U/P |
| 38.150 | 0.0000 | 0.0000 | 89.503 | 1.01943 | 0.00000 | 286378.1 | 185759.9 | 40212.2 | U/P |
| 38.158 | 0.0000 | 0.0000 | 89.502 | 1.01904 | 0.00000 | 286378.1 | 185790.5 | 40212.2 | U/P |
| 38.167 | 0.0000 | 0.0000 | 89.500 | 1.01864 | 0.00000 | 286378.1 | 185821.1 | 40212.2 | U/P |
| 38.175 | 0.0000 | 0.0000 | 89.498 | 1.01824 | 0.00000 | 286378.1 | 185851.6 | 40212.2 | U/P |
| 38.183 | 0.0000 | 0.0000 | 89.496 | 1.01785 | 0.00000 | 286378.1 | 185882.2 | 40212.2 | U/P |
| 38.192 | 0.0000 | 0.0000 | 89.495 | 1.01745 | 0.00000 | 286378.1 | 185912.7 | 40212.2 | U/P |
| 38.200 | 0.0000 | 0.0000 | 89.493 | 1.01705 | 0.00000 | 286378.1 | 185943.2 | 40212.2 | U/P |
| 38.208 | 0.0000 | 0.0000 | 89.491 | 1.01665 | 0.00000 | 286378.1 | 185973.7 | 40212.2 | U/P |
| 38.217 | 0.0000 | 0.0000 | 89.489 | 1.01626 | 0.00000 | 286378.1 | 186004.2 | 40212.2 | U/P |
| 38.225 | 0.0000 | 0.0000 | 89.488 | 1.01586 | 0.00000 | 286378.1 | 186034.7 | 40212.2 | U/P |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: Pond $4100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (fi/day) | Stage Elevation (ft datum) | Infiltration Rate (fis/s) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 38.233 | 0.0000 | 0.0000 | 89.486 | 1.01546 | 0.00000 | 286378.1 | 186065.2 | 40212.2 | U/P |
| 38.242 | 0.0000 | 0.0000 | 89.484 | 1.01506 | 0.00000 | 286378.1 | 186095.6 | 40212.2 | U/P |
| 38.250 | 0.0000 | 0.0000 | 89.483 | 1.01467 | 0.00000 | 286378.1 | 186126.1 | 40212.2 | U/P |
| 38.258 | 0.0000 | 0.0000 | 89.481 | 1.01427 | 0.00000 | 286378.1 | 186156.5 | 40212.2 | U/P |
| 38.267 | 0.0000 | 0.0000 | 89.479 | 1.01387 | 0.00000 | 286378.1 | 186186.9 | 40212.2 | U/P |
| 38.275 | 0.0000 | 0.0000 | 89.477 | 1.01347 | 0.00000 | 286378.1 | 186217.3 | 40212.2 | U/P |
| 38.283 | 0.0000 | 0.0000 | 89.476 | 1.01308 | 0.00000 | 286378.1 | 186247.7 | 40212.2 | U/P |
| 38.292 | 0.0000 | 0.0000 | 89.474 | 1.01268 | 0.00000 | 286378.1 | 186278.1 | 40212.2 | U/P |
| 38.300 | 0.0000 | 0.0000 | 89.472 | 1.01228 | 0.00000 | 286378.1 | 186308.5 | 40212.2 | U/P |
| 38.308 | 0.0000 | 0.0000 | 89.470 | 1.01189 | 0.00000 | 286378.1 | 186338.8 | 40212.2 | U/P |
| 38.317 | 0.0000 | 0.0000 | 89.469 | 1.01149 | 0.00000 | 286378.1 | 186369.2 | 40212.2 | U/P |
| 38.325 | 0.0000 | 0.0000 | 89.467 | 1.01109 | 0.00000 | 286378.1 | 186399.5 | 40212.2 | U/P |
| 38.333 | 0.0000 | 0.0000 | 89.465 | 1.01069 | 0.00000 | 286378.1 | 186429.9 | 40212.2 | U/P |
| 38.342 | 0.0000 | 0.0000 | 89.463 | 1.01030 | 0.00000 | 286378.1 | 186460.2 | 40212.2 | U/P |
| 38.350 | 0.0000 | 0.0000 | 89.462 | 1.00990 | 0.00000 | 286378.1 | 186490.5 | 40212.2 | U/P |
| 38.358 | 0.0000 | 0.0000 | 89.460 | 1.00950 | 0.00000 | 286378.1 | 186520.8 | 40212.2 | U/P |
| 38.367 | 0.0000 | 0.0000 | 89.458 | 1.00910 | 0.00000 | 286378.1 | 186551.1 | 40212.2 | U/P |
| 38.375 | 0.0000 | 0.0000 | 89.457 | 1.00871 | 0.00000 | 286378.1 | 186581.3 | 40212.2 | U/P |
| 38.383 | 0.0000 | 0.0000 | 89.455 | 1.00831 | 0.00000 | 286378.1 | 186611.6 | 40212.2 | U/P |
| 38.392 | 0.0000 | 0.0000 | 89.453 | 1.00791 | 0.00000 | 286378.1 | 186641.8 | 40212.2 | U/P |
| 38.400 | 0.0000 | 0.0000 | 89.451 | 1.00751 | 0.00000 | 286378.1 | 186672.0 | 40212.2 | U/P |
| 38.408 | 0.0000 | 0.0000 | 89.450 | 1.00712 | 0.00000 | 286378.1 | 186702.3 | 40212.2 | U/P |
| 38.417 | 0.0000 | 0.0000 | 89.448 | 1.00672 | 0.00000 | 286378.1 | 186732.5 | 40212.2 | U/P |
| 38.425 | 0.0000 | 0.0000 | 89.446 | 1.00632 | 0.00000 | 286378.1 | 186762.7 | 40212.2 | U/P |
| 38.433 | 0.0000 | 0.0000 | 89.444 | 1.00593 | 0.00000 | 286378.1 | 186792.9 | 40212.2 | U/P |
| 38.442 | 0.0000 | 0.0000 | 89.443 | 1.00553 | 0.00000 | 286378.1 | 186823.0 | 40212.2 | U/P |
| 38.450 | 0.0000 | 0.0000 | 89.441 | 1.00513 | 0.00000 | 286378.1 | 186853.2 | 40212.2 | U/P |
| 38.458 | 0.0000 | 0.0000 | 89.439 | 1.00473 | 0.00000 | 286378.1 | 186883.3 | 40212.2 | U/P |
| 38.467 | 0.0000 | 0.0000 | 89.437 | 1.00434 | 0.00000 | 286378.1 | 186913.5 | 40212.2 | U/P |
| 38.475 | 0.0000 | 0.0000 | 89.436 | 1.00394 | 0.00000 | 286378.1 | 186943.6 | 40212.2 | U/P |
| 38.483 | 0.0000 | 0.0000 | 89.434 | 1.00354 | 0.00000 | 286378.1 | 186973.7 | 40212.2 | U/P |
| 38.492 | 0.0000 | 0.0000 | 89.432 | 1.00314 | 0.00000 | 286378.1 | 187003.8 | 40212.2 | U/P |
| 38.500 | 0.0000 | 0.0000 | 89.430 | 1.00275 | 0.00000 | 286378.1 | 187033.9 | 40212.2 | U/P |
| 38.508 | 0.0000 | 0.0000 | 89.429 | 1.00235 | 0.00000 | 286378.1 | 187064.0 | 40212.2 | U/P |
| 38.517 | 0.0000 | 0.0000 | 89.427 | 1.00195 | 0.00000 | 286378.1 | 187094.0 | 40212.2 | U/P |
| 38.525 | 0.0000 | 0.0000 | 89.425 | 1.00155 | 0.00000 | 286378.1 | 187124.1 | 40212.2 | U/P |
| 38.533 | 0.0000 | 0.0000 | 89.424 | 1.00116 | 0.00000 | 286378.1 | 187154.1 | 40212.2 | U/P |
| 38.542 | 0.0000 | 0.0000 | 89.422 | 1.00076 | 0.00000 | 286378.1 | 187184.2 | 40212.2 | U/P |
| 38.550 | 0.0000 | 0.0000 | 89.420 | 1.00036 | 0.00000 | 286378.1 | 187214.2 | 40212.2 | U/P |
| 38.558 | 0.0000 | 0.0000 | 89.418 | 0.99997 | 0.00000 | 286378.1 | 187244.2 | 40212.2 | U/P |
| 38.567 | 0.0000 | 0.0000 | 89.417 | 0.99957 | 0.00000 | 286378.1 | 187274.2 | 40212.2 | U/P |
| 38.575 | 0.0000 | 0.0000 | 88.415 | 0.99917 | 0.00000 | 286378.1 | 187304.2 | 40212.2 | U/P |
| 38.583 | 0.0000 | 0.0000 | 89.413 | 0.99877 | 0.00000 | 286378.1 | 187334.1 | 40212.2 | U/P |
| 38.592 | 0.0000 | 0.0000 | 89.411 | 0.99838 | 0.00000 | 286378.1 | 187364.1 | 40212.2 | U/P |
| 38.600 | 0.0000 | 0.0000 | 89.410 | 0.99798 | 0.00000 | 286378.1 | 187394.0 | 40212.2 | U/P |
| 38.608 | 0.0000 | 0.0000 | 89.408 | 0.99758 | 0.00000 | 286378.1 | 187424.0 | 40212.2 | U/P |
| 38.617 | 0.0000 | 0.0000 | 89.406 | 0.99718 | 0.00000 | 286378.1 | 187453.9 | 40212.2 | U/P |
| 38.625 | 0.0000 | 0.0000 | 89.404 | 0.99679 | 0.00000 | 286378.1 | 187483.8 | 40212.2 | U/P |
| 38.633 | 0.0000 | 0.0000 | 89.403 | 0.99639 | 0.00000 | 286378.1 | 187513.7 | 40212.2 | U/P |
| 38.642 | 0.0000 | 0.0000 | 89.401 | 0.99599 | 0.00000 | 286378.1 | 187543.6 | 40212.2 | U/P |
| 38.650 | 0.0000 | 0.0000 | 89.399 | 0.99559 | 0.00000 | 286378.1 | 187573.5 | 40212.2 | U/P |
| 38.658 | 0.0000 | 0.0000 | 89.397 | 0.99520 | 0.00000 | 286378.1 | 187603.3 | 40212.2 | U/P |
| 38.667 | 0.0000 | 0.0000 | 89.396 | 0.99480 | 0.00000 | 286378.1 | 187633.2 | 40212.2 | U/P |
| 38.675 | 0.0000 | 0.0000 | 89.394 | 0.99440 | 0.00000 | 286378.1 | 187663.0 | 40212.2 | U/P |
| 38.683 | 0.0000 | 0.0000 | 89.392 | 0.99401 | 0.00000 | 286378.1 | 187692.8 | 40212.2 | U/P |
| 38.692 | 0.0000 | 0.0000 | 89.391 | 0.99361 | 0.00000 | 286378.1 | 187722.6 | 40212.2 | U/P |
| 38.700 | 0.0000 | 0.0000 | 89.389 | 0.99321 | 0.00000 | 286378.1 | 187752.4 | 40212.2 | U/P |
| 38.708 | 0.0000 | 0.0000 | 89.387 | 0.99281 | 0.00000 | 286378.1 | 187782.2 | 40212.2 | U/P |
| 38.717 | 0.0000 | 0.0000 | 89.385 | 0.99242 | 0.00000 | 286378.1 | 187812.0 | 40212.2 | U/P |
| 38.725 | 0.0000 | 0.0000 | 89.384 | 0.99202 | 0.00000 | 286378.1 | 187841.8 | 40212.2 | U/P |
| 38.733 | 0.0000 | 0.0000 | 89.382 | 0.99162 | 0.00000 | 286378.1 | 187871.5 | 40212.2 | U/P |
| 38.742 | 0.0000 | 0.0000 | 89.380 | 0.99122 | 0.00000 | 286378.1 | 187901.3 | 40212.2 | U/P |
| 38.750 | 0.0000 | 0.0000 | 89.378 | 0.99083 | 0.00000 | 286378.1 | 187931.0 | 40212.2 | U/P |
| 38.758 | 0.0000 | 0.0000 | 89.377 | 0.99043 | 0.00000 | 286378.1 | 187960.7 | 40212.2 | U/P |
| 38.767 | 0.0000 | 0.0000 | 89.375 | 0.99003 | 0.00000 | 286378.1 | 187990.4 | 40212.2 | U/P |
| 38.775 | 0.0000 | 0.0000 | 89.373 | 0.88963 | 0.00000 | 286378.1 | 188020.1 | 40212.2 | U/P |
| 38.783 | 0.0000 | 0.0000 | 89.371 | 0.98924 | 0.00000 | 286378.1 | 188049.8 | 40212.2 | U/P |
| 38.792 | 0.0000 | 0.0000 | 89.370 | 0.98884 | 0.00000 | 286378.1 | 188079.5 | 40212.2 | U/P |
| 38.800 | 0.0000 | 0.0000 | 89.368 | 0.98844 | 0.00000 | 286378.1 | 188109.1 | 40212.2 | U/P |
| 38.808 | 0.0000 | 0.0000 | 89.366 | 0.98804 | 0.00000 | 286378.1 | 188138.8 | 40212.2 | U/P |
| 38.817 | 0.0000 | 0.0000 | 89.364 | 0.98765 | 0.00000 | 286378.1 | 188168.4 | 40212.2 | U/P |
| 38.825 | 0.0000 | 0.0000 | 89.363 | 0.98725 | 0.00000 | 286378.1 | 188198.0 | 40212.2 | U/P |
| 38.833 | 0.0000 | 0.0000 | 89.361 | 0.88685 | 0.00000 | 286378.1 | 188227.7 | 40212.2 | U/P |
| 38.842 | 0.0000 | 0.0000 | 89.359 | 0.98646 | 0.00000 | 286378.1 | 188257.3 | 40212.2 | U/P |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: Pond $4100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (f1/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{fl}^{3 / \mathrm{s}}$ ) | Cumulative inflow <br> Volume ( $\mathrm{ff}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Fiow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 38.850 | 0.0000 | 0.0000 | 89.358 | 0.98606 | 0.00000 | 286378.1 | 188286.8 | 40212.2 | U/P |
| 38.858 | 0.0000 | 0.0000 | 89.356 | 0.98566 | 0.00000 | 286378.1 | 188316.4 | 40212.2 | U/P |
| 38.867 | 0.0000 | 0.0000 | 89.354 | 0.98526 | 0.00000 | 286378.1 | 188346.0 | 40212.2 | U/P |
| 38.875 | 0.0000 | 0.0000 | 89.352 | 0.98487 | 0.00000 | 286378.1 | 188375.5 | 40212.2 | U/P |
| 38.883 | 0.0000 | 0.0000 | 89.351 | 0.98447 | 0.00000 | 286378.1 | 188405.1 | 40212.2 | U/P |
| 38.892 | 0.0000 | 0.0000 | 89.349 | 0.98407 | 0.00000 | 286378.1 | 188434.6 | 40212.2 | U/P |
| 38.900 | 0.0000 | 0.0000 | 89.347 | 0.98367 | 0.00000 | 286378.1 | 188464.1 | 40212.2 | U/P |
| 38.908 | 0.0000 | 0.0000 | 89.345 | 0.98328 | 0.00000 | 286378.1 | 188493.6 | 40212.2 | U/P |
| 38.917 | 0.0000 | 0.0000 | 89.344 | 0.98288 | 0.00000 | 286378.1 | 188523.1 | 40212.2 | U/P |
| 38.925 | 0.0000 | 0.0000 | 89.342 | 0.98248 | 0.00000 | 286378.1 | 188552.6 | 40212.2 | U/P |
| 38.933 | 0.0000 | 0.0000 | 89.340 | 0.98208 | 0.00000 | 286378.1 | 188582.1 | 40212.2 | U/P |
| 38.942 | 0.0000 | 0.0000 | 89.338 | 0.98169 | 0.00000 | 286378.1 | 188611.5 | 40212.2 | U/P |
| 38.950 | 0.0000 | 0.0000 | 89.337 | 0.98129 | 0.00000 | 286378.1 | 188641.0 | 40212.2 | U/P |
| 38.958 | 0.0000 | 0.0000 | 89.335 | 0.98089 | 0.00000 | 286378.1 | 188670.4 | 40212.2 | U/P |
| 38.967 | 0.0000 | 0.0000 | 89.333 | 0.98050 | 0.00000 | 286378.1 | 188699.8 | 40212.2 | U/P |
| 38.975 | 0.0000 | 0.0000 | 89.331 | 0.98010 | 0.00000 | 286378.1 | 188729.2 | 40212.2 | U/P |
| 38.983 | 0.0000 | 0.0000 | 89.330 | 0.97970 | 0.00000 | 286378.1 | 188758.6 | 40212.2 | U/P |
| 38.992 | 0.0000 | 0.0000 | 89.328 | 0.97930 | 0.00000 | 286378.1 | 188788.0 | 40212.2 | U/P |
| 39.000 | 0.0000 | 0.0000 | 89.326 | 0.97891 | 0.00000 | 286378.1 | 188817.4 | 40212.2 | U/P |
| 39.008 | 0.0000 | 0.0000 | 89.325 | 0.97851 | 0.00000 | 286378.1 | 188846.8 | 40212.2 | U/P |
| 39.017 | 0.0000 | 0.0000 | 89.323 | 0.97811 | 0.00000 | 286378.1 | 188876.1 | 40212.2 | U/P |
| 39.025 | 0.0000 | 0.0000 | 89.321 | 0.97771 | 0.00000 | 286378.1 | 188905.4 | 40212.2 | U/P |
| 39.033 | 0.0000 | 0.0000 | 89.319 | 0.97732 | 0.00000 | 286378.1 | 188934.8 | 40212.2 | U/P |
| 39.042 | 0.0000 | 0.0000 | 89.318 | 0.97692 | 0.00000 | 286378.1 | 188964.1 | 40212.2 | U/P |
| 39.050 | 0.0000 | 0.0000 | 89.316 | 0.97652 | 0.00000 | 286378.1 | 188993.4 | 40212.2 | U/P |
| 39.058 | 0.0000 | 0.0000 | 89.314 | 0.97612 | 0.00000 | 286378.1 | 189022.7 | 40212.2 | U/P |
| 39.067 | 0.0000 | 0.0000 | 89.312 | 0.97573 | 0.00000 | 286378.1 | 189051.9 | 40212.2 | U/P |
| 39.075 | 0.0000 | 0.0000 | 89.311 | 0.97533 | 0.00000 | 286378.1 | 189081.2 | 40212.2 | U/P |
| 39.083 | 0.0000 | 0.0000 | 89.309 | 0.97493 | 0.00000 | 286378.1 | 189110.5 | 40212.2 | U/P |
| 39.092 | 0.0000 | 0.0000 | 89.307 | 0.97454 | 0.00000 | 286378.1 | 189139.7 | 40212.2 | U/P |
| 39.100 | 0.0000 | 0.0000 | 89.305 | 0.97414 | 0.00000 | 286378.1 | 189168.9 | 40212.2 | U/P |
| 39.108 | 0.0000 | 0.0000 | 89.304 | 0.97374 | 0.00000 | 286378.1 | 189198.2 | 40212.2 | U/P |
| 39.117 | 0.0000 | 0.0000 | 89.302 | 0.97334 | 0.00000 | 286378.1 | 189227.4 | 40212.2 | U/P |
| 39.125 | 0.0000 | 0.0000 | 89.300 | 0.97295 | 0.00000 | 286378.1 | 189256.5 | 40212.2 | U/P |
| 39.133 | 0.0000 | 0.0000 | 89.298 | 0.97255 | 0.00000 | 286378.1 | 189285.7 | 40212.2 | U/P |
| 39.142 | 0.0000 | 0.0000 | 89.297 | 0.97215 | 0.00000 | 286378.1 | 189314.9 | 40212.2 | U/P |
| 39.150 | 0.0000 | 0.0000 | 89.295 | 0.97175 | 0.00000 | 286378.1 | 189344.1 | 40212.2 | U/P |
| 39.158 | 0.0000 | 0.0000 | 89.293 | 0.97136 | 0.00000 | 286378.1 | 189373.2 | 40212.2 | U/P |
| 39.167 | 0.0000 | 0.0000 | 89.292 | 0.97096 | 0.00000 | 286378.1 | 189402.3 | 40212.2 | U/P |
| 39.175 | 0.0000 | 0.0000 | 89.290 | 0.97056 | 0.00000 | 286378.1 | 189431.5 | 40212.2 | U/P |
| 39.183 | 0.0000 | 0.0000 | 89.288 | 0.97016 | 0.00000 | 286378.1 | 189460.6 | 40212.2 | U/P |
| 39.192 | 0.0000 | 0.0000 | 89.286 | 0.96977 | 0.00000 | 286378.1 | 189489.7 | 40212.2 | U/P |
| 39.200 | 0.0000 | 0.0000 | 89.285 | 0.96937 | 0.00000 | 286378.1 | 189518.8 | 40212.2 | U/P |
| 39.208 | 0.0000 | 0.0000 | 89.283 | 0.96897 | 0.00000 | 286378.1 | 189547.8 | 40212.2 | U/P |
| 39.217 | 0.0000 | 0.0000 | 89.281 | 0.96858 | 0.00000 | 286378.1 | 189576.9 | 40212.2 | U/P |
| 39.225 | 0.0000 | 0.0000 | 89.279 | 0.96818 | 0.00000 | 286378.1 | 189606.0 | 40212.2 | U/P |
| 39.233 | 0.0000 | 0.0000 | 89.278 | 0.96778 | 0.00000 | 286378.1 | 189635.0 | 40212.2 | U/P |
| 39.242 | 0.0000 | 0.0000 | 89.276 | 0.96738 | 0.00000 | 286378.1 | 189664.0 | 40212.2 | U/P |
| 39.250 | 0.0000 | 0.0000 | 89.274 | 0.96699 | 0.00000 | 286378.1 | 189693.0 | 40212.2 | U/P |
| 39.258 | 0.0000 | 0.0000 | 89.272 | 0.96659 | 0.00000 | 286378.1 | 189722.0 | 40212.2 | U/P |
| 39.267 | 0.0000 | 0.0000 | 89.271 | 0.96619 | 0.00000 | 286378.1 | 189751.0 | 40212.2 | U/P |
| 39.275 | 0.0000 | 0.0000 | 89.269 | 0.96579 | 0.00000 | 286378.1 | 189780.0 | 40212.2 | U/P |
| 39.283 | 0.0000 | 0.0000 | 89.267 | 0.96540 | 0.00000 | 286378.1 | 189809.0 | 40212.2 | U/P |
| 39.292 | 0.0000 | 0.0000 | 89.266 | 0.96500 | 0.00000 | 286378.1 | 189837.9 | 40212.2 | U/P |
| 39.300 | 0.0000 | 0.0000 | 89.264 | 0.96460 | 0.00000 | 286378.1 | 189866.9 | 40212.2 | U/P |
| 39.308 | 0.0000 | 0.0000 | 89.262 | 0.96420 | 0.00000 | 286378.1 | 189895.8 | 40212.2 | U/P |
| 39.317 | 0.0000 | 0.0000 | 89.260 | 0.96381 | 0.00000 | 286378.1 | 189924.7 | 40212.2 | U/P |
| 39.325 | 0.0000 | 0.0000 | 89.259 | 0.96341 | 0.00000 | 286378.1 | 189953.6 | 40212.2 | U/P |
| 39.333 | 0.0000 | 0.0000 | 89.257 | 0.96301 | 0.00000 | 286378.1 | 189982.5 | 40212.2 | U/P |
| 39.342 | 0.0000 | 0.0000 | 89.255 | 0.96262 | 0.00000 | 286378.1 | 190011.4 | 40212.2 | U/P |
| 39.350 | 0.0000 | 0.0000 | 89.253 | 0.96222 | 0.00000 | 286378.1 | 190040.3 | 40212.2 | U/P |
| 39.358 | 0.0000 | 0.0000 | 89.252 | 0.96182 | 0.00000 | 286378.1 | 190069.2 | 40212.2 | U/P |
| 39.367 | 0.0000 | 0.0000 | 89.250 | 0.96142 | 0.00000 | 286378.1 | 190098.0 | 40212.2 | U/P |
| 39.375 | 0.0000 | 0.0000 | 89.248 | 0.96103 | 0.00000 | 286378.1 | 190126.8 | 40212.2 | U/P |
| 39.383 | 0.0000 | 0.0000 | 89.246 | 0.96063 | 0.00000 | 286378.1 | 190155.7 | 40212.2 | U/P |
| 39.392 | 0.0000 | 0.0000 | 89.245 | 0.96023 | 0.00000 | 286378.1 | 190184.5 | 40212.2 | U/P |
| 39.400 | 0.0000 | 0.0000 | 89.243 | 0.95983 | 0.00000 | 286378.1 | 190213.3 | 40212.2 | U/P |
| 39.408 | 0.0000 | 0.0000 | 89.241 | 0.95944 | 0.00000 | 286378.1 | 190242.1 | 40212.2 | U/P |
| 39.417 | 0.0000 | 0.0000 | 89.239 | 0.95904 | 0.00000 | 286378.1 | 190270.8 | 40212.2 | U/P |
| 39.425 | 0.0000 | 0.0000 | 89.238 | 0.95864 | 0.00000 | 286378.1 | 190299.6 | 40212.2 | U/P |
| 39.433 | 0.0000 | 0.0000 | 89.236 | 0.95824 | 0.00000 | 286378.1 | 190328.4 | 40212.2 | U/P |
| 39.442 | 0.0000 | 0.0000 | 89.234 | 0.95785 | 0.00000 | 286378.1 | 190357.1 | 40212.2 | U/P |
| 39.450 | 0.0000 | 0.0000 | 89.233 | 0.95745 | 0.00000 | 286378.1 | 190385.8 | 40212.2 | U/P |
| 39.458 | 0.0000 | 0.0000 | 89.231 | 0.95705 | 0.00000 | 286378.1 | 190414.5 | 40212.2 | U/P |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: Pond $4100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | inflow Rate ( $\mathrm{fl}^{3 / 3} \mathrm{~s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate (ft/s) | Overfiow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ff}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 39.467 | 0.0000 | 0.0000 | 89.229 | 0.95666 | 0.00000 | 286378.1 | 190443.3 | 40212.2 | U/P |
| 39.475 | 0.0000 | 0.0000 | 89.227 | 0.95626 | 0.00000 | 286378.1 | 190472.0 | 40212.2 | U/P |
| 39.483 | 0.0000 | 0.0000 | 89.226 | 0.95586 | 0.00000 | 286378.1 | 190500.6 | 40212.2 | U/P |
| 39.492 | 0.0000 | 0.0000 | 89.224 | 0.95546 | 0.00000 | 286378.1 | 190529.3 | 40212.2 | U/P |
| 39.500 | 0.0000 | 0.0000 | 89.222 | 0.95507 | 0.00000 | 286378.1 | 190558.0 | 40212.2 | U/P |
| 39.508 | 0.0000 | 0.0000 | 89.220 | 0.95467 | 0.00000 | 286378.1 | 190586.6 | 40212.2 | U/P |
| 39.517 | 0.0000 | 0.0000 | 89.219 | 0.95427 | 0.00000 | 286378.1 | 190615.2 | 40212.2 | U/P |
| 39.525 | 0.0000 | 0.0000 | 89.217 | 0.95387 | 0.00000 | 286378.1 | 190643.9 | 40212.2 | U/P |
| 39.533 | 0.0000 | 0.0000 | 89.215 | 0.95348 | 0.00000 | 286378.1 | 190672.5 | 40212.2 | U/P |
| 39.542 | 0.0000 | 0.0000 | 89.213 | 0.95308 | 0.00000 | 286378.1 | 190701.1 | 40212.2 | U/P |
| 39.550 | 0.0000 | 0.0000 | 89.212 | 0.95268 | 0.00000 | 286378.1 | 190729.7 | 40212.2 | U/P |
| 39.558 | 0.0000 | 0.0000 | 89.210 | 0.95228 | 0.00000 | 286378.1 | 190758.2 | 40212.2 | U/P |
| 39.567 | 0.0000 | 0.0000 | 89.208 | 0.95189 | 0.00000 | 286378.1 | 190786.8 | 40212.2 | U/P |
| 39.575 | 0.0000 | 0.0000 | 89.206 | 0.95149 | 0.00000 | 286378.1 | 190815.3 | 40212.2 | U/P |
| 39.583 | 0.0000 | 0.0000 | 89.205 | 0.95109 | 0.00000 | 286378.1 | 190843.9 | 40212.2 | U/P |
| 39.592 | 0.0000 | 0.0000 | 89.203 | 0.95070 | 0.00000 | 286378.1 | 190872.4 | 40212.2 | U/P |
| 39.600 | 0.0000 | 0.0000 | 89.201 | 0.95030 | 0.00000 | 286378.1 | 190900.9 | 40212.2 | U/P |
| 39.608 | 0.0000 | 0.0000 | 89.200 | 0.94990 | 0.00000 | 286378.1 | 190929.4 | 40212.2 | U/P |
| 39.617 | 0.0000 | 0.0000 | 89.198 | 0.94950 | 0.00000 | 286378.1 | 190957.9 | 40212.2 | U/P |
| 39.625 | 0.0000 | 0.0000 | 89.196 | 0.94911 | 0.00000 | 286378.1 | 190986.4 | 40212.2 | U/P |
| 39.633 | 0.0000 | 0.0000 | 89.194 | 0.94871 | 0.00000 | 286378.1 | 191014.9 | 40212.2 | U/P |
| 39.642 | 0.0000 | 0.0000 | 89.193 | 0.94831 | 0.00000 | 286378.1 | 191043.3 | 40212.2 | U/P |
| 39.650 | 0.0000 | 0.0000 | 89.191 | 0.94791 | 0.00000 | 286378.1 | 191071.8 | 40212.2 | U/P |
| 39.658 | 0.0000 | 0.0000 | 89.189 | 0.94752 | 0.00000 | 286378.1 | 191100.2 | 40212.2 | U/P |
| 39.667 | 0.0000 | 0.0000 | 89.187 | 0.94712 | 0.00000 | 286378.1 | 191128.6 | 40212.2 | U/P |
| 39.675 | 0.0000 | 0.0000 | 89.186 | 0.94672 | 0.00000 | 286378.1 | 191157.0 | 40212.2 | U/P |
| 39.683 | 0.0000 | 0.0000 | 89.184 | 0.94632 | 0.00000 | 286378.1 | 191185.4 | 40212.2 | U/P |
| 39.692 | 0.0000 | 0.0000 | 89.182 | 0.94593 | 0.00000 | 286378.1 | 191213.8 | 40212.2 | U/P |
| 39.700 | 0.0000 | 0.0000 | 89.180 | 0.94553 | 0.00000 | 286378.1 | 191242.2 | 40212.2 | U/P |
| 39.708 | 0.0000 | 0.0000 | 89.179 | 0.94513 | 0.00000 | 286378.1 | 191270.5 | 40212.2 | U/P |
| 39.717 | 0.0000 | 0.0000 | 89.177 | 0.94474 | 0.00000 | 286378.1 | 191298.9 | 40212.2 | U/P |
| 39.725 | 0.0000 | 0.0000 | 89.175 | 0.94434 | 0.00000 | 286378.1 | 191327.2 | 40212.2 | U/P |
| 39.733 | 0.0000 | 0.0000 | 89.173 | 0.94394 | 0.00000 | 286378.1 | 191355.5 | 40212.2 | U/P |
| 39.742 | 0.0000 | 0.0000 | 89.172 | 0.94354 | 0.00000 | 286378.1 | 191383.9 | 40212.2 | U/P |
| 39.750 | 0.0000 | 0.0000 | 89.170 | 0.94315 | 0.00000 | 286378.1 | 191412.2 | 40212.2 | U/P |
| 39.758 | 0.0000 | 0.0000 | 89.168 | 0.94275 | 0.00000 | 286378.1 | 191440.4 | 40212.2 | U/P |
| 39.767 | 0.0000 | 0.0000 | 89.167 | 0.94235 | 0.00000 | 286378.1 | 191468.7 | 40212.2 | U/P |
| 39.775 | 0.0000 | 0.0000 | 89.165 | 0.94195 | 0.00000 | 286378.1 | 191497.0 | 40212.2 | U/P |
| 39.783 | 0.0000 | 0.0000 | 89.163 | 0.94156 | 0.00000 | 286378.1 | 191525.2 | 40212.2 | U/P |
| 39.792 | 0.0000 | 0.0000 | 89.161 | 0.94116 | 0.00000 | 286378.1 | 191553.5 | 40212.2 | U/P |
| 39.800 | 0.0000 | 0.0000 | 89.160 | 0.94076 | 0.00000 | 286378.1 | 191581.7 | 40212.2 | U/P |
| 39.808 | 0.0000 | 0.0000 | 89.158 | 0.94036 | 0.00000 | 286378.1 | 191609.9 | 40212.2 | U/P |
| 39.817 | 0.0000 | 0.0000 | 89.156 | 0.93997 | 0.00000 | 286378.1 | 191638.1 | 40212.2 | U/P |
| 39.825 | 0.0000 | 0.0000 | 89.154 | 0.93957 | 0.00000 | 286378.1 | 191666.3 | 40212.2 | U/P |
| 39.833 | 0.0000 | 0.0000 | 89.153 | 0.93917 | 0.00000 | 286378.1 | 191694.5 | 40212.2 | U/P |
| 39.842 | 0.0000 | 0.0000 | 89.151 | 0.93878 | 0.00000 | 286378.1 | 191722.7 | 40212.2 | U/P |
| 39.850 | 0.0000 | 0.0000 | 89.149 | 0.93838 | 0.00000 | 286378.1 | 191750.8 | 40212.2 | U/P |
| 39.858 | 0.0000 | 0.0000 | 89.147 | 0.93798 | 0.00000 | 286378.1 | 191779.0 | 40212.2 | U/P |
| 39.867 | 0.0000 | 0.0000 | 89.146 | 0.93758 | 0.00000 | 286378.1 | 191807.1 | 40212.2 | U/P |
| 39.875 | 0.0000 | 0.0000 | 89.144 | 0.93719 | 0.00000 | 286378.1 | 191835.2 | 40212.2 | U/P |
| 39.883 | 0.0000 | 0.0000 | 89.142 | 0.93679 | 0.00000 | 286378.1 | 191863.3 | 40212.2 | U/P |
| 39.892 | 0.0000 | 0.0000 | 89.140 | 0.93639 | 0.00000 | 286378.1 | 191891.4 | 40212.2 | U/P |
| 39.900 | 0.0000 | 0.0000 | 89.139 | 0.93599 | 0.00000 | 286378.1 | 191919.5 | 40212.2 | U/P |
| 39.908 | 0.0000 | 0.0000 | 89.137 | 0.93560 | 0.00000 | 286378.1 | 191947.6 | 40212.2 | U/P |
| 39.917 | 0.0000 | 0.0000 | 89.135 | 0.93520 | 0.00000 | 286378.1 | 191975.7 | 40212.2 | U/P |
| 39.925 | 0.0000 | 0.0000 | 89.134 | 0.93480 | 0.00000 | 286378.1 | 192003.7 | 40212.2 | U/P |
| 39.933 | 0.0000 | 0.0000 | 89.132 | 0.93440 | 0.00000 | 286378.1 | 192031.8 | 40212.2 | U/P |
| 39.942 | 0.0000 | 0.0000 | 89.130 | 0.93401 | 0.00000 | 286378.1 | 192059.8 | 40212.2 | U/P |
| 39.950 | 0.0000 | 0.0000 | 89.128 | 0.93361 | 0.00000 | 286378.1 | 192087.8 | 40212.2 | U/P |
| 39.958 | 0.0000 | 0.0000 | 89.127 | 0.93321 | 0.00000 | 286378.1 | 192115.8 | 40212.2 | U/P |
| 39.967 | 0.0000 | 0.0000 | 89.125 | 0.93281 | 0.00000 | 286378.1 | 192143.8 | 40212.2 | U/P |
| 39.975 | 0.0000 | 0.0000 | 89.123 | 0.93242 | 0.00000 | 286378.1 | 192171.8 | 40212.2 | U/P |
| 39.983 | 0.0000 | 0.0000 | 89.121 | 0.93202 | 0.00000 | 286378.1 | 192199.7 | 40212.2 | U/P |
| 39.992 | 0.0000 | 0.0000 | 89.120 | 0.93162 | 0.00000 | 286378.1 | 192227.7 | 40212.2 | U/P |
| 40.000 | 0.0000 | 0.0000 | 89.118 | 0.93123 | 0.00000 | 286378.1 | 192255.6 | 40212.2 | U/P |
| 40.008 | 0.0000 | 0.0000 | 89.116 | 0.93083 | 0.00000 | 286378.1 | 192283.5 | 40212.2 | U/P |
| 40.017 | 0.0000 | 0.0000 | 89.114 | 0.93043 | 0.00000 | 286378.1 | 192311.5 | 40212.2 | U/P |
| 40.025 | 0.0000 | 0.0000 | 89.113 | 0.93003 | 0.00000 | 286378.1 | 192339.4 | 40212.2 | U/P |
| 40.033 | 0.0000 | 0.0000 | 89.111 | 0.92964 | 0.00000 | 286378.1 | 192367.3 | 40212.2 | U/P |
| 40.042 | 0.0000 | 0.0000 | 89.109 | 0.92924 | 0.00000 | 286378.1 | 192395.2 | 40212.2 | U/P |
| 40.050 | 0.0000 | 0.0000 | 89.107 | 0.92884 | 0.00000 | 286378.1 | 192423.0 | 40212.2 | U/P |
| 40.058 | 0.0000 | 0.0000 | 89.106 | 0.92844 | 0.00000 | 286378.1 | 192450.9 | 40212.2 | U/P |
| 40.067 | 0.0000 | 0.0000 | 89.104 | 0.92805 | 0.00000 | 286378.1 | 192478.7 | 40212.2 | U/P |
| 40.075 | 0.0000 | 0.0000 | 89.102 | 0.92765 | 0.00000 | 286378.1 | 192506.6 | 40212.2 | U/P |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: Pond $4100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{Ht}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{h}^{3}$ ) | Cumulative <br> Discharge <br> Volume ( $\mathrm{fl}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 40.083 | 0.0000 | 0.0000 | 89.101 | 0.92725 | 0.00000 | 286378.1 | 192534.4 | 40212.2 | U/P |
| 40.092 | 0.0000 | 0.0000 | 89.099 | 0.92685 | 0.00000 | 286378.1 | 192562.2 | 40212.2 | U/P |
| 40.100 | 0.0000 | 0.0000 | 89.097 | 0.92646 | 0.00000 | 286378.1 | 192590.0 | 40212.2 | U/P |
| 40.108 | 0.0000 | 0.0000 | 89.095 | 0.92606 | 0.00000 | 286378.1 | 192617.8 | 40212.2 | U/P |
| 40.117 | 0.0000 | 0.0000 | 89.094 | 0.92566 | 0.00000 | 286378.1 | 192645.6 | 40212.2 | U/P |
| 40.125 | 0.0000 | 0.0000 | 89.092 | 0.92527 | 0.00000 | 286378.1 | 192673.3 | 40212.2 | U/P |
| 40.133 | 0.0000 | 0.0000 | 89.090 | 0.92487 | 0.00000 | 286378.1 | 192701.1 | 40212.2 | U/P |
| 40.142 | 0.0000 | 0.0000 | 89.088 | 0.92447 | 0.00000 | 286378.1 | 192728.8 | 40212.2 | U/P |
| 40.150 | 0.0000 | 0.0000 | 89.087 | 0.92407 | 0.00000 | 286378.1 | 192756.5 | 40212.2 | U/P |
| 40.158 | 0.0000 | 0.0000 | 89.085 | 0.92368 | 0.00000 | 286378.1 | 192784.3 | 40212.2 | U/P |
| 40.167 | 0.0000 | 0.0000 | 89.083 | 0.92328 | 0.00000 | 286378.1 | 192812.0 | 40212.2 | U/P |
| 40.175 | 0.0000 | 0.0000 | 89.081 | 0.92288 | 0.00000 | 286378.1 | 192839.7 | 40212.2 | U/P |
| 40.183 | 0.0000 | 0.0000 | 89.080 | 0.92248 | 0.00000 | 286378.1 | 192867.3 | 40212.2 | U/P |
| 40.192 | 0.0000 | 0.0000 | 89.078 | 0.92209 | 0.00000 | 286378.1 | 192895.0 | 40212.2 | U/P |
| 40.200 | 0.0000 | 0.0000 | 89.076 | 0.92169 | 0.00000 | 286378.1 | 192922.7 | 40212.2 | U/P |
| 40.208 | 0.0000 | 0.0000 | 89.074 | 0.92129 | 0.00000 | 286378.1 | 192950.3 | 40212.2 | U/P |
| 40.217 | 0.0000 | 0.0000 | 89.073 | 0.92089 | 0.00000 | 286378.1 | 192978.0 | 40212.2 | U/P |
| 40.225 | 0.0000 | 0.0000 | 89.071 | 0.92050 | 0.00000 | 286378.1 | 193005.6 | 40212.2 | U/P |
| 40.233 | 0.0000 | 0.0000 | 89.069 | 0.92010 | 0.00000 | 286378.1 | 193033.2 | 40212.2 | U/P |
| 40.242 | 0.0000 | 0.0000 | 89.068 | 0.91970 | 0.00000 | 286378.1 | 193060.8 | 40212.2 | U/P |
| 40.250 | 0.0000 | 0.0000 | 89.066 | 0.91931 | 0.00000 | 286378.1 | 193088.4 | 40212.2 | U/P |
| 40.258 | 0.0000 | 0.0000 | 89.064 | 0.91891 | 0.00000 | 286378.1 | 193115.9 | 40212.2 | U/P |
| 40.267 | 0.0000 | 0.0000 | 89.062 | 0.91851 | 0.00000 | 286378.1 | 193143.5 | 40212.2 | U/P |
| 40.275 | 0.0000 | 0.0000 | 89.061 | 0.91811 | 0.00000 | 286378.1 | 193171.0 | 40212.2 | U/P |
| 40.283 | 0.0000 | 0.0000 | 89.059 | 0.91772 | 0.00000 | 286378.1 | 193198.6 | 40212.2 | U/P |
| 40.292 | 0.0000 | 0.0000 | 89.057 | 0.91732 | 0.00000 | 286378.1 | 193226.1 | 40212.2 | U/P |
| 40.300 | 0.0000 | 0.0000 | 89.055 | 0.91692 | 0.00000 | 286378.1 | 193253.6 | 40212.2 | U/P |
| 40.308 | 0.0000 | 0.0000 | 89.054 | 0.91652 | 0.00000 | 286378.1 | 193281.1 | 40212.2 | U/P |
| 40.317 | 0.0000 | 0.0000 | 89.052 | 0.91613 | 0.00000 | 286378.1 | 193308.6 | 40212.2 | U/P |
| 40.325 | 0.0000 | 0.0000 | 89.050 | 0.91573 | 0.00000 | 286378.1 | 193336.1 | 40212.2 | U/P |
| 40.333 | 0.0000 | 0.0000 | 89.048 | 0.91533 | 0.00000 | 286378.1 | 193363.6 | 40212.2 | U/P |
| 40.342 | 0.0000 | 0.0000 | 89.047 | 0.91493 | 0.00000 | 286378.1 | 193391.0 | 40212.2 | U/P |
| 40.350 | 0.0000 | 0.0000 | 89.045 | 0.91454 | 0.00000 | 286378.1 | 193418.5 | 40212.2 | U/P |
| 40.358 | 0.0000 | 0.0000 | 89.043 | 0.91414 | 0.00000 | 286378.1 | 193445.9 | 40212.2 | U/P |
| 40.367 | 0.0000 | 0.0000 | 89.041 | 0.91374 | 0.00000 | 286378.1 | 193473.3 | 40212.2 | U/P |
| 40.375 | 0.0000 | 0.0000 | 89.040 | 0.91335 | 0.00000 | 286378.1 | 193500.7 | 40212.2 | U/P |
| 40.383 | 0.0000 | 0.0000 | 89.038 | 0.91295 | 0.00000 | 286378.1 | 193528.1 | 40212.2 | U/P |
| 40.392 | 0.0000 | 0.0000 | 89.036 | 0.91255 | 0.00000 | 286378.1 | 193555.5 | 40212.2 | U/P |
| 40.400 | 0.0000 | 0.0000 | 89.035 | 0.91215 | 0.00000 | 286378.1 | 193582.8 | 40212.2 | U/P |
| 40.408 | 0.0000 | 0.0000 | 89.033 | 0.91176 | 0.00000 | 286378.1 | 193610.2 | 40212.2 | U/P |
| 40.417 | 0.0000 | 0.0000 | 89.031 | 0.91136 | 0.00000 | 286378.1 | 193637.6 | 40212.2 | U/P |
| 40.425 | 0.0000 | 0.0000 | 89.029 | 0.91096 | 0.00000 | 286378.1 | 193664.9 | 40212.2 | U/P |
| 40.433 | 0.0000 | 0.0000 | 89.028 | 0.91056 | 0.00000 | 286378.1 | 193692.2 | 40212.2 | U/P |
| 40.442 | 0.0000 | 0.0000 | 89.026 | 0.91017 | 0.00000 | 286378.1 | 193719.5 | 40212.2 | U/P |
| 40.450 | 0.0000 | 0.0000 | 89.024 | 0.90977 | 0.00000 | 286378.1 | 193746.8 | 40212.2 | U/P |
| 40.458 | 0.0000 | 0.0000 | 89.022 | 0.90937 | 0.00000 | 286378.1 | 193774.1 | 40212.2 | U/P |
| 40.467 | 0.0000 | 0.0000 | 89.021 | 0.90897 | 0.00000 | 286378.1 | 193801.4 | 40212.2 | U/P |
| 40.475 | 0.0000 | 0.0000 | 89.019 | 0.90858 | 0.00000 | 286378.1 | 193828.7 | 40212.2 | U/P |
| 40.483 | 0.0000 | 0.0000 | 89.017 | 0.90818 | 0.00000 | 286378.1 | 193855.9 | 40212.2 | U/P |
| 40.492 | 0.0000 | 0.0000 | 89.015 | 0.90778 | 0.00000 | 286378.1 | 193883.1 | 40212.2 | U/P |
| 40.500 | 0.0000 | 0.0000 | 89.014 | 0.90739 | 0.00000 | 286378.1 | 193910.4 | 40212.2 | U/P |
| 40.508 | 0.0000 | 0.0000 | 89.012 | 0.90699 | 0.00000 | 286378.1 | 193937.6 | 40212.2 | U/P |
| 40.517 | 0.0000 | 0.0000 | 89.010 | 0.90659 | 0.00000 | 286378.1 | 193964.8 | 40212.2 | U/P |
| 40.525 | 0.0000 | 0.0000 | 89.008 | 0.90619 | 0.00000 | 286378.1 | 193992.0 | 40212.2 | U/P |
| 40.533 | 0.0000 | 0.0000 | 89.007 | 0.90580 | 0.00000 | 286378.1 | 194019.2 | 40212.2 | U/P |
| 40.542 | 0.0000 | 0.0000 | 89.005 | 0.90540 | 0.00000 | 286378.1 | 194046.3 | 40212.2 | U/P |
| 40.550 | 0.0000 | 0.0000 | 89.003 | 0.90500 | 0.00000 | 286378.1 | 194073.5 | 40212.2 | U/P |
| 40.558 | 0.0000 | 0.0000 | 89.002 | 0.90460 | 0.00000 | 286378.1 | 194100.6 | 40212.2 | U/P |
| 40.567 | 0.0000 | 0.0000 | 89.000 | 0.90421 | 0.00000 | 286378.1 | 194127.8 | 40212.2 | U/P |
| 40.575 | 0.0000 | 0.0000 | 88.998 | 0.90387 | 0.00000 | 286378.1 | 194154.9 | 40212.2 | U/P |
| 40.583 | 0.0000 | 0.0000 | 88.996 | 0.90358 | 0.00000 | 286378.1 | 194182.0 | 40212.2 | U/P |
| 40.592 | 0.0000 | 0.0000 | 88.995 | 0.90329 | 0.00000 | 286378.1 | 194209.1 | 40212.2 | U/P |
| 40.600 | 0.0000 | 0.0000 | 88.993 | 0.90300 | 0.00000 | 286378.1 | 194236.2 | 40212.2 | U/P |
| 40.608 | 0.0000 | 0.0000 | 88.991 | 0.90271 | 0.00000 | 286378.1 | 194263.3 | 40212.2 | U/P |
| 40.617 | 0.0000 | 0.0000 | 88.989 | 0.90242 | 0.00000 | 286378.1 | 194290.4 | 40212.2 | U/P |
| 40.625 | 0.0000 | 0.0000 | 88.988 | 0.90213 | 0.00000 | 286378.1 | 194317.4 | 40212.2 | U/P |
| 40.633 | 0.0000 | 0.0000 | 88.986 | 0.90184 | 0.00000 | 286378.1 | 194344.5 | 40212.2 | U/P |
| 40.642 | 0.0000 | 0.0000 | 88.984 | 0.90155 | 0.00000 | 286378.1 | 194371.5 | 40212.2 | U/P |
| 40.650 | 0.0000 | 0.0000 | 88.982 | 0.90126 | 0.00000 | 286378.1 | 194398.6 | 40212.2 | U/P |
| 40.658 | 0.0000 | 0.0000 | 88.981 | 0.90097 | 0.00000 | 286378.1 | 194425.6 | 40212.2 | U/P |
| 40.667 | 0.0000 | 0.0000 | 88.979 | 0.90068 | 0.00000 | 286378.1 | 194452.6 | 40212.2 | U/P |
| 40.675 | 0.0000 | 0.0000 | 88.977 | 0.90039 | 0.00000 | 286378.1 | 194479.7 | 40212.2 | U/P |
| 40.683 | 0.0000 | 0.0000 | 88.976 | 0.90010 | 0.00000 | 286378.1 | 194506.7 | 40212.2 | U/P |
| 40.692 | 0.0000 | 0.0000 | 88.974 | 0.89981 | 0.00000 | 286378.1 | 194533.7 | 40212.2 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method

## Copyright 2003

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 4100 yr/24 hr

| Elapsed Time (hours) | Inflow Rate (fis/s) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ff}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ff}^{3}$ ) | Cumulative <br> Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 40.700 | 0.0000 | 0.0000 | 88.972 | 0.89952 | 0.00000 | 286378.1 | 194560.6 | 40212.2 | U/P |
| 40.708 | 0.0000 | 0.0000 | 88.970 | 0.89923 | 0.00000 | 286378.1 | 194587.6 | 40212.2 | U/P |
| 40.717 | 0.0000 | 0.0000 | 88.969 | 0.89894 | 0.00000 | 286378.1 | 194614.6 | 40212.2 | U/P |
| 40.725 | 0.0000 | 0.0000 | 88.967 | 0.89865 | 0.00000 | 286378.1 | 194641.6 | 40212.2 | U/P |
| 40.733 | 0.0000 | 0.0000 | 88.965 | 0.89836 | 0.00000 | 286378.1 | 194668.5 | 40212.2 | U/P |
| 40.742 | 0.0000 | 0.0000 | 88.963 | 0.89807 | 0.00000 | 286378.1 | 194695.5 | 40212.2 | U/P |
| 40.750 | 0.0000 | 0.0000 | 88.962 | 0.89778 | 0.00000 | 286378.1 | 194722.4 | 40212.2 | U/P |
| 40.758 | 0.0000 | 0.0000 | 88.960 | 0.89749 | 0.00000 | 286378.1 | 194749.3 | 40212.2 | U/P |
| 40.767 | 0.0000 | 0.0000 | 88.958 | 0.89720 | 0.00000 | 286378.1 | 194776.3 | 40212.2 | U/P |
| 40.775 | 0.0000 | 0.0000 | 88.956 | 0.89691 | 0.00000 | 286378.1 | 194803.2 | 40212.2 | U/P |
| 40.783 | 0.0000 | 0.0000 | 88.955 | 0.89662 | 0.00000 | 286378.1 | 194830.1 | 40212.2 | U/P |
| 40.792 | 0.0000 | 0.0000 | 88.953 | 0.89633 | 0.00000 | 286378.1 | 194857.0 | 40212.2 | U/P |
| 40.800 | 0.0000 | 0.0000 | 88.951 | 0.89604 | 0.00000 | 286378.1 | 194883.8 | 40212.2 | U/P |
| 40.808 | 0.0000 | 0.0000 | 88.949 | 0.89575 | 0.00000 | 286378.1 | 194910.7 | 40212.2 | U/P |
| 40.817 | 0.0000 | 0.0000 | 88.948 | 0.89546 | 0.00000 | 286378.1 | 194937.6 | 40212.2 | U/P |
| 40.825 | 0.0000 | 0.0000 | 88.946 | 0.89517 | 0.00000 | 286378.1 | 194964.5 | 40212.2 | U/P |
| 40.833 | 0.0000 | 0.0000 | 88.944 | 0.89487 | 0.00000 | 286378.1 | 194991.3 | 40212.2 | U/P |
| 40.842 | 0.0000 | 0.0000 | 88.943 | 0.89458 | 0.00000 | 286378.1 | 195018.1 | 40212.2 | U/P |
| 40.850 | 0.0000 | 0.0000 | 88.941 | 0.89429 | 0.00000 | 286378.1 | 195045.0 | 40212.2 | U/P |
| 40.858 | 0.0000 | 0.0000 | 88.939 | 0.89400 | 0.00000 | 286378.1 | 195071.8 | 40212.2 | U/P |
| 40.867 | 0.0000 | 0.0000 | 88.937 | 0.89371 | 0.00000 | 286378.1 | 195098.6 | 40212.2 | U/P |
| 40.875 | 0.0000 | 0.0000 | 88.936 | 0.89342 | 0.00000 | 286378.1 | 195125.4 | 40212.2 | U/P |
| 40.883 | 0.0000 | 0.0000 | 88.934 | 0.89313 | 0.00000 | 286378.1 | 195152.2 | 40212.2 | U/P |
| 40.892 | 0.0000 | 0.0000 | 88.932 | 0.89284 | 0.00000 | 286378.1 | 195179.0 | 40212.2 | U/P |
| 40.900 | 0.0000 | 0.0000 | 88.930 | 0.89255 | 0.00000 | 286378.1 | 195205.8 | 40212.2 | U/P |
| 40.908 | 0.0000 | 0.0000 | 88.929 | 0.89226 | 0.00000 | 286378.1 | 195232.6 | 40212.2 | U/P |
| 40.917 | 0.0000 | 0.0000 | 88.927 | 0.89197 | 0.00000 | 286378.1 | 195259.3 | 40212.2 | U/P |
| 40.925 | 0.0000 | 0.0000 | 88.925 | 0.89168 | 0.00000 | 286378.1 | 195286.1 | 40212.2 | U/P |
| 40.933 | 0.0000 | 0.0000 | 88.923 | 0.89139 | 0.00000 | 286378.1 | 195312.8 | 40212.2 | U/P |
| 40.942 | 0.0000 | 0.0000 | 88.922 | 0.89110 | 0.00000 | 286378.1 | 195339.6 | 40212.2 | U/P |
| 40.950 | 0.0000 | 0.0000 | 88.920 | 0.89081 | 0.00000 | 286378.1 | 195366.3 | 40212.2 | U/P |
| 40.958 | 0.0000 | 0.0000 | 88.918 | 0.89052 | 0.00000 | 286378.1 | 195393.0 | 40212.2 | U/P |
| 40.967 | 0.0000 | 0.0000 | 88.916 | 0.89023 | 0.00000 | 286378.1 | 195419.7 | 40212.2 | U/P |
| 40.975 | 0.0000 | 0.0000 | 88.915 | 0.88994 | 0.00000 | 286378.1 | 195446.4 | 40212.2 | U/P |
| 40.983 | 0.0000 | 0.0000 | 88.913 | 0.88965 | 0.00000 | 286378.1 | 195473.1 | 40212.2 | U/P |
| 40.992 | 0.0000 | 0.0000 | 88.911 | 0.88936 | 0.00000 | 286378.1 | 195499.8 | 40212.2 | U/P |
| 41.000 | 0.0000 | 0.0000 | 88.910 | 0.88907 | 0.00000 | 286378.1 | 195526.5 | 40212.2 | U/P |
| 41.008 | 0.0000 | 0.0000 | 88.908 | 0.88878 | 0.00000 | 286378.1 | 195553.2 | 40212.2 | U/P |
| 41.017 | 0.0000 | 0.0000 | 88.906 | 0.88849 | 0.00000 | 286378.1 | 195579.8 | 40212.2 | U/P |
| 41.025 | 0.0000 | 0.0000 | 88.904 | 0.88820 | 0.00000 | 286378.1 | 195606.5 | 40212.2 | U/P |
| 41.033 | 0.0000 | 0.0000 | 88.903 | 0.88791 | 0.00000 | 286378.1 | 195633.1 | 40212.2 | U/P |
| 41.042 | 0.0000 | 0.0000 | 88.901 | 0.88762 | 0.00000 | 286378.1 | 195659.7 | 40212.2 | U/P |
| 41.050 | 0.0000 | 0.0000 | 88.899 | 0.88733 | 0.00000 | 286378.1 | 195686.4 | 40212.2 | U/P |
| 41.058 | 0.0000 | 0.0000 | 88.897 | 0.88704 | 0.00000 | 286378.1 | 195713.0 | 40212.2 | U/P |
| 41.067 | 0.0000 | 0.0000 | 88.896 | 0.88675 | 0.00000 | 286378.1 | 195739.6 | 40212.2 | U/P |
| 41.075 | 0.0000 | 0.0000 | 88.894 | 0.88646 | 0.00000 | 286378.1 | 195766.2 | 40212.2 | $U / \mathrm{P}$ |
| 41.083 | 0.0000 | 0.0000 | 88.892 | 0.88617 | 0.00000 | 286378.1 | 195792.8 | 40212.2 | U/P |
| 41.092 | 0.0000 | 0.0000 | 88.890 | 0.88588 | 0.00000 | 286378.1 | 195819.3 | 40212.2 | $U / \mathrm{P}$ |
| 41.100 | 0.0000 | 0.0000 | 88.889 | 0.88559 | 0.00000 | 286378.1 | 195845.9 | 40212.2 | U/P |
| 41.108 | 0.0000 | 0.0000 | 88.887 | 0.88529 | 0.00000 | 286378.1 | 195872.5 | 40212.2 | U/P |
| 41.117 | 0.0000 | 0.0000 | 88.885 | 0.88500 | 0.00000 | 286378.1 | 195899.0 | 40212.2 | U/P |
| 41.125 | 0.0000 | 0.0000 | 88.883 | 0.88471 | 0.00000 | 286378.1 | 195925.6 | 40212.2 | U/P |
| 41.133 | 0.0000 | 0.0000 | 88.882 | 0.88442 | 0.00000 | 286378.1 | 195952.1 | 40212.2 | U/P |
| 41.142 | 0.0000 | 0.0000 | 88.880 | 0.88413 | 0.00000 | 286378.1 | 195978.7 | 40212.2 | U/P |
| 41.150 | 0.0000 | 0.0000 | 88.878 | 0.88384 | 0.00000 | 286378.1 | 196005.2 | 40212.2 | U/P |
| 41.158 | 0.0000 | 0.0000 | 88.877 | 0.88355 | 0.00000 | 286378.1 | 196031.7 | 40212.2 | U/P |
| 41.167 | 0.0000 | 0.0000 | 88.875 | 0.88326 | 0.00000 | 286378.1 | 196058.2 | 40212.2 | U/P |
| 41.175 | 0.0000 | 0.0000 | 88.873 | 0.88297 | 0.00000 | 286378.1 | 196084.7 | 40212.2 | U/P |
| 41.183 | 0.0000 | 0.0000 | 88.871 | 0.88268 | 0.00000 | 286378.1 | 196111.2 | 40212.2 | U/P |
| 41.192 | 0.0000 | 0.0000 | 88.870 | 0.88239 | 0.00000 | 286378.1 | 196137.6 | 40212.2 | U/P |
| 41.200 | 0.0000 | 0.0000 | 88.868 | 0.88210 | 0.00000 | 286378.1 | 196164.1 | 40212.2 | U/P |
| 41.208 | 0.0000 | 0.0000 | 88.866 | 0.88181 | 0.00000 | 286378.1 | 196190.6 | 40212.2 | U/P |
| 41.217 | 0.0000 | 0.0000 | 88.864 | 0.88152 | 0.00000 | 286378.1 | 196217.0 | 40212.2 | U/P |
| 41.225 | 0.0000 | 0.0000 | 88.863 | 0.88123 | 0.00000 | 286378.1 | 196243.5 | 40212.2 | U/P |
| 41.233 | 0.0000 | 0.0000 | 88.861 | 0.88094 | 0.00000 | 286378.1 | 196269.9 | 40212.2 | U/P |
| 41.242 | 0.0000 | 0.0000 | 88.859 | 0.88065 | 0.00000 | 286378.1 | 196296.3 | 40212.2 | U/P |
| 41.250 | 0.0000 | 0.0000 | 88.857 | 0.88036 | 0.00000 | 286378.1 | 196322.7 | 40212.2 | U/P |
| 41.258 | 0.0000 | 0.0000 | 88.856 | 0.88007 | 0.00000 | 286378.1 | 196349.1 | 40212.2 | U/P |
| 41.267 | 0.0000 | 0.0000 | 88.854 | 0.87978 | 0.00000 | 286378.1 | 196375.5 | 40212.2 | U/P |
| 41.275 | 0.0000 | 0.0000 | 88.852 | 0.87949 | 0.00000 | 286378.1 | 196401.9 | 40212.2 | U/P |
| 41.283 | 0.0000 | 0.0000 | 88.850 | 0.87920 | 0.00000 | 286378.1 | 196428.3 | 40212.2 | U/P |
| 41.292 | 0.0000 | 0.0000 | 88.849 | 0.87891 | 0.00000 | 286378.1 | 196454.7 | 40212.2 | U/P |
| 41.300 | 0.0000 | 0.0000 | 88.847 | 0.87862 | 0.00000 | 286378.1 | 196481.0 | 40212.2 | U/P |
| 41.308 | 0.0000 | 0.0000 | 88.845 | 0.87833 | 0.00000 | 286378.1 | 196507.4 | 40212.2 | U/P |

Vista Landfill Redesign

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: Pond $4100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overfow Discharge ( $\mathrm{ft}^{3 /} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Fiow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 41.317 | 0.0000 | 0.0000 | 88.844 | 0.87804 | 0.00000 | 286378.1 | 196533.7 | 40212.2 | U/P |
| 41.325 | 0.0000 | 0.0000 | 88.842 | 0.87775 | 0.00000 | 286378.1 | 196560.1 | 40212.2 | U/P |
| 41.333 | 0.0000 | 0.0000 | 88.840 | 0.87746 | 0.00000 | 286378.1 | 196586.4 | 40212.2 | U/P |
| 41.342 | 0.0000 | 0.0000 | 88.838 | 0.87717 | 0.00000 | 286378.1 | 196612.7 | 40212.2 | U/P |
| 41.350 | 0.0000 | 0.0000 | 88.837 | 0.87688 | 0.00000 | 286378.1 | 196639.0 | 40212.2 | U/P |
| 41.358 | 0.0000 | 0.0000 | 88.835 | 0.87659 | 0.00000 | 286378.1 | 196665.3 | 40212.2 | U/P |
| 41.367 | 0.0000 | 0.0000 | 88.833 | 0.87630 | 0.00000 | 286378.1 | 196691.6 | 40212.2 | U/P |
| 41.375 | 0.0000 | 0.0000 | 88.831 | 0.87601 | 0.00000 | 286378.1 | 196717.9 | 40212.2 | U/P |
| 41.383 | 0.0000 | 0.0000 | 88.830 | 0.87571 | 0.00000 | 286378.1 | 196744.2 | 40212.2 | U/P |
| 41.392 | 0.0000 | 0.0000 | 88.828 | 0.87542 | 0.00000 | 286378.1 | 196770.5 | 40212.2 | U/P |
| 41.400 | 0.0000 | 0.0000 | 88.826 | 0.87513 | 0.00000 | 286378.1 | 196796.7 | 40212.2 | U/P |
| 41.408 | 0.0000 | 0.0000 | 88.824 | 0.87484 | 0.00000 | 286378.1 | 196823.0 | 40212.2 | U/P |
| 41.417 | 0.0000 | 0.0000 | 88.823 | 0.87455 | 0.00000 | 286378.1 | 196849.2 | 40212.2 | U/P |
| 41.425 | 0.0000 | 0.0000 | 88.821 | 0.87426 | 0.00000 | 286378.1 | 196875.4 | 40212.2 | U/P |
| 41.433 | 0.0000 | 0.0000 | 88.819 | 0.87397 | 0.00000 | 286378.1 | 196901.7 | 40212.2 | U/P |
| 41.442 | 0.0000 | 0.0000 | 88.817 | 0.87368 | 0.00000 | 286378.1 | 196927.9 | 40212.2 | U/P |
| 41.450 | 0.0000 | 0.0000 | 88.816 | 0.87339 | 0.00000 | 286378.1 | 196954.1 | 40212.2 | U/P |
| 41.458 | 0.0000 | 0.0000 | 88.814 | 0.87310 | 0.00000 | 286378.1 | 196980.3 | 40212.2 | U/P |
| 41.467 | 0.0000 | 0.0000 | 88.812 | 0.87281 | 0.00000 | 286378.1 | 197006.5 | 40212.2 | U/P |
| 41.475 | 0.0000 | 0.0000 | 88.811 | 0.87252 | 0.00000 | 286378.1 | 197032.6 | 40212.2 | U/P |
| 41.483 | 0.0000 | 0.0000 | 88.809 | 0.87223 | 0.00000 | 286378.1 | 197058.8 | 40212.2 | U/P |
| 41.492 | 0.0000 | 0.0000 | 88.807 | 0.87194 | 0.00000 | 286378.1 | 197085.0 | 40212.2 | U/P |
| 41.500 | 0.0000 | 0.0000 | 88.805 | 0.87165 | 0.00000 | 286378.1 | 197111.1 | 40212.2 | U/P |
| 41.508 | 0.0000 | 0.0000 | 88.804 | 0.87136 | 0.00000 | 286378.1 | 197137.3 | 40212.2 | U/P |
| 41.517 | 0.0000 | 0.0000 | 88.802 | 0.87107 | 0.00000 | 286378.1 | 197163.4 | 40212.2 | U/P |
| 41.525 | 0.0000 | 0.0000 | 88.800 | 0.87078 | 0.00000 | 286378.1 | 197189.5 | 40212.2 | U/P |
| 41.533 | 0.0000 | 0.0000 | 88.798 | 0.87049 | 0.00000 | 286378.1 | 197215.7 | 40212.2 | U/P |
| 41.542 | 0.0000 | 0.0000 | 88.797 | 0.87020 | 0.00000 | 286378.1 | 197241.8 | 40212.2 | U/P |
| 41.550 | 0.0000 | 0.0000 | 88.795 | 0.86991 | 0.00000 | 286378.1 | 197267.9 | 40212.2 | U/P |
| 41.558 | 0.0000 | 0.0000 | 88.793 | 0.86962 | 0.00000 | 286378.1 | 197294.0 | 40212.2 | U/P |
| 41.567 | 0.0000 | 0.0000 | 88.791 | 0.86933 | 0.00000 | 286378.1 | 197320.0 | 40212.2 | U/P |
| 41.575 | 0.0000 | 0.0000 | 88.790 | 0.86904 | 0.00000 | 286378.1 | 197346.1 | 40212.2 | U/P |
| 41.583 | 0.0000 | 0.0000 | 88.788 | 0.86875 | 0.00000 | 286378.1 | 197372.2 | 40212.2 | U/P |
| 41.592 | 0.0000 | 0.0000 | 88.786 | 0.86846 | 0.00000 | 286378.1 | 197398.3 | 40212.2 | U/P |
| 41.600 | 0.0000 | 0.0000 | 88.785 | 0.86817 | 0.00000 | 286378.1 | 197424.3 | 40212.2 | U/P |
| 41.608 | 0.0000 | 0.0000 | 88.783 | 0.86788 | 0.00000 | 286378.1 | 197450.3 | 40212.2 | U/P |
| 41.617 | 0.0000 | 0.0000 | 88.781 | 0.86759 | 0.00000 | 286378.1 | 197476.4 | 40212.2 | U/P |
| 41.625 | 0.0000 | 0.0000 | 88.779 | 0.86730 | 0.00000 | 286378.1 | 197502.4 | 40212.2 | U/P |
| 41.633 | 0.0000 | 0.0000 | 88.778 | 0.86701 | 0.00000 | 286378.1 | 197528.4 | 40212.2 | U/P |
| 41.642 | 0.0000 | 0.0000 | 88.776 | 0.86672 | 0.00000 | 286378.1 | 197554.4 | 40212.2 | U/P |
| 41.650 | 0.0000 | 0.0000 | 88.774 | 0.86643 | 0.00000 | 286378.1 | 197580.4 | 40212.2 | U/P |
| 41.658 | 0.0000 | 0.0000 | 88.772 | 0.86613 | 0.00000 | 286378.1 | 197606.4 | 40212.2 | U/P |
| 41.667 | 0.0000 | 0.0000 | 88.771 | 0.86584 | 0.00000 | 286378.1 | 197632.4 | 40212.2 | U/P |
| 41.675 | 0.0000 | 0.0000 | 88.769 | 0.86555 | 0.00000 | 286378.1 | 197658.4 | 40212.2 | U/P |
| 41.683 | 0.0000 | 0.0000 | 88.767 | 0.86526 | 0.00000 | 286378.1 | 197684.3 | 40212.2 | U/P |
| 41.692 | 0.0000 | 0.0000 | 88.765 | 0.86497 | 0.00000 | 286378.1 | 197710.3 | 40212.2 | U/P |
| 41.700 | 0.0000 | 0.0000 | 88.764 | 0.86468 | 0.00000 | 286378.1 | 197736.2 | 40212.2 | U/P |
| 41.708 | 0.0000 | 0.0000 | 88.762 | 0.86439 | 0.00000 | 286378.1 | 197762.2 | 40212.2 | U/P |
| 41.717 | 0.0000 | 0.0000 | 88.760 | 0.86410 | 0.00000 | 286378.1 | 197788.1 | 40212.2 | U/P |
| 41.725 | 0.0000 | 0.0000 | 88.758 | 0.86381 | 0.00000 | 286378.1 | 197814.0 | 40212.2 | U/P |
| 41.733 | 0.0000 | 0.0000 | 88.757 | 0.86352 | 0.00000 | 286378.1 | 197839.9 | 40212.2 | U/P |
| 41.742 | 0.0000 | 0.0000 | 88.755 | 0.86323 | 0.00000 | 286378.1 | 197865.8 | 40212.2 | U/P |
| 41.750 | 0.0000 | 0.0000 | 88.753 | 0.86294 | 0.00000 | 286378.1 | 197891.7 | 40212.2 | U/P |
| 41.758 | 0.0000 | 0.0000 | 88.752 | 0.86265 | 0.00000 | 286378.1 | 197917.6 | 40212.2 | U/P |
| 41.767 | 0.0000 | 0.0000 | 88.750 | 0.86236 | 0.00000 | 286378.1 | 197943.5 | 40212.2 | U/P |
| 41.775 | 0.0000 | 0.0000 | 88.748 | 0.86207 | 0.00000 | 286378.1 | 197969.3 | 40212.2 | U/P |
| 41.783 | 0.0000 | 0.0000 | 88.746 | 0.86178 | 0.00000 | 286378.1 | 197995.2 | 40212.2 | U/P |
| 41.792 | 0.0000 | 0.0000 | 88.745 | 0.86149 | 0.00000 | 286378.1 | 198021.0 | 40212.2 | U/P |
| 41.800 | 0.0000 | 0.0000 | 88.743 | 0.86120 | 0.00000 | 286378.1 | 198046.9 | 40212.2 | U/P |
| 41.808 | 0.0000 | 0.0000 | 88.741 | 0.86091 | 0.00000 | 286378.1 | 198072.7 | 40212.2 | U/P |
| 41.817 | 0.0000 | 0.0000 | 88.739 | 0.86062 | 0.00000 | 286378.1 | 198098.5 | 40212.2 | U/P |
| 41.825 | 0.0000 | 0.0000 | 88.738 | 0.86033 | 0.00000 | 286378.1 | 198124.3 | 40212.2 | U/P |
| 41.833 | 0.0000 | 0.0000 | 88.736 | 0.86004 | 0.00000 | 286378.1 | 198150.1 | 40212.2 | U/P |
| 41.842 | 0.0000 | 0.0000 | 88.734 | 0.85975 | 0.00000 | 286378.1 | 198175.9 | 40212.2 | U/P |
| 41.850 | 0.0000 | 0.0000 | 88.732 | 0.85946 | 0.00000 | 286378.1 | 198201.7 | 40212.2 | U/P |
| 41.858 | 0.0000 | 0.0000 | 88.731 | 0.85917 | 0.00000 | 286378.1 | 198227.5 | 40212.2 | U/P |
| 41.867 | 0.0000 | 0.0000 | 88.729 | 0.85888 | 0.00000 | 286378.1 | 198253.3 | 40212.2 | U/P |
| 41.875 | 0.0000 | 0.0000 | 88.727 | 0.85859 | 0.00000 | 286378.1 | 198279.0 | 40212.2 | U/P |
| 41.883 | 0.0000 | 0.0000 | 88.725 | 0.85830 | 0.00000 | 286378.1 | 198304.8 | 40212.2 | U/P |
| 41.892 | 0.0000 | 0.0000 | 88.724 | 0.85801 | 0.00000 | 286378.1 | 198330.5 | 40212.2 | U/P |
| 41.900 | 0.0000 | 0.0000 | 88.722 | 0.85772 | 0.00000 | 286378.1 | 198356.3 | 40212.2 | U/P |
| 41.908 | 0.0000 | 0.0000 | 88.720 | 0.85743 | 0.00000 | 286378.1 | 198382.0 | 40212.2 | U/P |
| 41.917 | 0.0000 | 0.0000 | 88.719 | 0.85714 | 0.00000 | 286378.1 | 198407.7 | 40212.2 | U/P |
| 41.925 | 0.0000 | 0.0000 | 88.717 | 0.85684 | 0.00000 | 286378.1 | 198433.4 | 40212.2 | U/P |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

## Detailed Results (cont,d.) :: Scenario 1 :: Pond 4100 yr/24 hr

| Elapsed Time (hours) | Inflow Rate (fl3/s) | Outside Recharge (flday) | Stage Elevation (fl datum) | Infistration Rate ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ff}^{3}$ ) | Cumulative Inflitration Volume ( $\mathrm{fl}^{3}$ ) | Cumulative <br> Discharge <br> Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 41.933 | 0.0000 | 0.0000 | 88.715 | 0.85655 | 0.00000 | 286378.1 | 198459.1 | 40212.2 | U/P |
| 41.942 | 0.0000 | 0.0000 | 88.713 | 0.85626 | 0.00000 | 286378.1 | 198484.8 | 40212.2 | U/P |
| 41.950 | 0.0000 | 0.0000 | 88.712 | 0.85597 | 0.00000 | 286378.1 | 198510.5 | 40212.2 | U/P |
| 41.958 | 0.0000 | 0.0000 | 88.710 | 0.85568 | 0.00000 | 286378.1 | 198536.2 | 40212.2 | U/P |
| 41.967 | 0.0000 | 0.0000 | 88.708 | 0.85539 | 0.00000 | 286378.1 | 198561.8 | 40212.2 | U/P |
| 41.975 | 0.0000 | 0.0000 | 88.706 | 0.85510 | 0.00000 | 286378.1 | 198587.5 | 40212.2 | U/P |
| 41.983 | 0.0000 | 0.0000 | 88.705 | 0.85481 | 0.00000 | 286378.1 | 198613.2 | 40212.2 | U/P |
| 41.992 | 0.0000 | 0.0000 | 88.703 | 0.85452 | 0.00000 | 286378.1 | 198638.8 | 40212.2 | U/P |
| 42.000 | 0.0000 | 0.0000 | 88.701 | 0.85423 | 0.00000 | 286378.1 | 198664.4 | 40212.2 | U/P |
| 42,008 | 0.0000 | 0.0000 | 88.699 | 0.85394 | 0.00000 | 286378.1 | 198690.0 | 40212.2 | U/P |
| 42.017 | 0.0000 | 0.0000 | 88.698 | 0.85365 | 0.00000 | 286378.1 | 198715.7 | 40212.2 | U/P |
| 42,025 | 0.0000 | 0.0000 | 88.696 | 0.85336 | 0.00000 | 286378.1 | 198741.3 | 40212.2 | U/P |
| 42.033 | 0.0000 | 0.0000 | 88.694 | 0.85307 | 0.00000 | 286378.1 | 198766.9 | 40212.2 | U/P |
| 42.042 | 0.0000 | 0.0000 | 88.692 | 0.85278 | 0.00000 | 286378.1 | 198792.5 | 40212.2 | U/P |
| 42.050 | 0.0000 | 0.0000 | 88.691 | 0.85249 | 0.00000 | 286378.1 | 198818.0 | 40212.2 | U/P |
| 42.058 | 0.0000 | 0.0000 | 88.689 | 0.85220 | 0.00000 | 286378.1 | 198843.6 | 40212.2 | U/P |
| 42.067 | 0.0000 | 0.0000 | 88.687 | 0.85191 | 0.00000 | 286378.1 | 198869.2 | 40212.2 | U/P |
| 42.075 | 0.0000 | 0.0000 | 88.686 | 0.85162 | 0.00000 | 286378.1 | 198894.7 | 40212.2 | U/P |
| 42.083 | 0.0000 | 0.0000 | 88.684 | 0.85133 | 0.00000 | 286378.1 | 198920.3 | 40212.2 | U/P |
| 42.092 | 0.0000 | 0.0000 | 88.682 | 0.85104 | 0.00000 | 286378.1 | 198945.8 | 40212.2 | U/P |
| 42.100 | 0.0000 | 0.0000 | 88.680 | 0.85075 | 0.00000 | 286378.1 | 198971.3 | 40212.2 | U/P |
| 42.108 | 0.0000 | 0.0000 | 88.679 | 0.85046 | 0.00000 | 286378.1 | 198996.8 | 40212.2 | U/P |
| 42.117 | 0.0000 | 0.0000 | 88.677 | 0.85017 | 0.00000 | 286378.1 | 199022.3 | 402122 | U/P |
| 42.125 | 0.0000 | 0.0000 | 88.675 | 0.84988 | 0.00000 | 286378.1 | 199047.9 | 40212.2 | U/P |
| 42.133 | 0.0000 | 0.0000 | 88.673 | 0.84959 | 0.00000 | 286378.1 | 199073.3 | 40212.2 | U/P |
| 42.142 | 0.0000 | 0.0000 | 88.672 | 0.84930 | 0.00000 | 286378.1 |  | 40212.2 | U/P |
| 42.150 | 0.0000 | 0.0000 | 88.670 | 0.84901 | 0.00000 | 286378.1 | 199149.8 | 40212.2 | U/P |
| 42.158 | 0.0000 | 0.0000 | 88.668 | 0.84872 | 0.00000 | 286378.1 | 199149.8 | 40212.2 | U/P |
| 42.167 | 0.0000 | 0.0000 | 88.666 | 0.84843 | 0.00000 | 286378.1 | 199200.7 | 40212.2 | U/P |
| 42.175 | 0.0000 | 0.0000 | 88.665 | 0.84814 | 0.00000 | 286378.1 |  | 40212.2 | U/P |
| 42.183 | 0.0000 | 0.0000 | 88.663 | 0.84785 | 0.00000 | 286378.1 | 199226.1 | 402122 | U/P |
| 42.192 | 0.0000 | 0.0000 | 88.661 | 0.84756 | 0.00000 | 286378.1 | 198251.5 | 40212.2 | U/P |
| 42.200 | 0.0000 | 0.0000 | 88.659 | 0.84726 | 0.00000 | 286378 | 199277.0 | 40212.2 | U/P |
| 42.208 | 0.0000 | 0.0000 | 88.658 | 0.84697 | 0.00000 | 286378.1 | 199302.4 | 40212.2 | U/P |
| 42.217 | 0.0000 | 0.0000 | 88.656 | 0.84668 | 0.00000 | 286378.1 | 199327.8 | 40212.2 | U/P |
| 42.225 | 0.0000 | 0.0000 | 88.654 | 0.84639 | 0.00000 | 286378.1 | 199353.2 | 40212.2 | U/P |
| 42.233 | 0.0000 | 0.0000 | 88.653 | 0.84610 | 0.00000 | 286378.1 | 199378.6 | 40212.2 | U/P |
| 42.242 | 0.0000 | 0.0000 | 88.651 | 0.84581 | 0.00000 | 286378.1 | 199404.0 | 40212.2 | U/P |
| 42.250 | 0.0000 | 0.0000 | 88.649 | 0.84552 | 0.00000 | 286378.1 | 199429.3 | 40212.2 | U/P |
| 42.258 | 0.0000 | 0.0000 | 88.647 | 0.84523 | 0.00000 | 286378.1 | 199454.7 | 40212.2 | U/P |
| 42.267 | 0.0000 | 0.0000 | 88.646 | 0.84494 | 0.00000 | 286378.1 | 199480.0 | 40212.2 | U/P |
| 42.275 | 0.0000 | 0.0000 | 88.644 | 0.84465 | 0.00000 | 286378.1 | 199505.4 | 40212.2 | U/P |
| 42.283 | 0.0000 | 0.0000 | 88.642 | 0.84436 | 0.00000 | 286378.1 | 199530.7 | 40212.2 | U/P |
| 42.292 | 0.0000 | 0.0000 | 88.640 | 0.84407 | 0.00000 | 286378.1 | 199556.0 | 40212.2 | U/P |
| 42.300 | 0.0000 | 0.0000 | 88.639 | 0.84378 | 0.00000 | 286378.1 | 199581.4 | 40212.2 | U/P |
| 42.308 | 0.0000 | 0.0000 | 88.637 | 0.84349 | 0.00000 | 286378.1 | 199606.7 | 40212.2 | U/P |
| 42.317 | 0.0000 | 0.0000 | 88.635 | 0.84320 | 0.00000 | 286378.1 | 199632.0 | 40212.2 | U/P |
| 42.325 | 0.0000 | 0.0000 | 88.633 | 0.84291 | 0.00000 | 286378.1 | 199657.3 | 40212.2 | U/P |
| 42.333 | 0.0000 | 0.0000 | 88.632 | 0.84262 | 0.00000 | 286378.1 | 199682.5 | 40212.2 | U/P |
| 42.342 | 0.0000 | 0.0000 | 88.630 | 0.84233 | 0.00000 | 286378.1 | 199707.8 | 40212.2 | U/P |
| 42.350 | 0.0000 | 0.0000 | 88.628 | 0.84204 | 0.00000 | 286378.1 | 199733.1 | 40212.2 | U/P |
| 42.358 | 0.0000 | 0.0000 | 88.626 | 0.84175 | 0.00000 | 286378.1 | 199758.3 | 40212.2 | U/P |
| 42.367 | 0.0000 | 0.0000 | 88.625 | 0.84146 | 0.00000 | 286378.1 | 199783.6 | 40212.2 | U/P |
| 42.375 | 0.0000 | 0.0000 | 88.623 | 0.84117 | 0.00000 | 286378.1 | 199808.8 | 40212.2 | U/P |
| 42.383 | 0.0000 | 0.0000 | 88.621 | 0.84088 | 0.00000 | 286378.1 | 199834.0 | 40212.2 | U/P |
| 42.392 | 0.0000 | 0.0000 | 88.620 | 0.84059 | 0.00000 | 286378.1 | 199859.3 | 40212.2 | U/P |
| 42.400 | 0.0000 | 0.0000 | 88.618 | 0.84030 | 0.00000 | 286378.1 | 199884.5 | 40212.2 | U/P |
| 42.408 | 0.0000 | 0.0000 | 88.616 | 0.84001 | 0.00000 | 286378.1 | 199909.7 | 40212.2 | U/P |
| 42.417 | 0.0000 | 0.0000 | 88.614 | 0.83972 | 0.00000 | 286378.1 | 199934.9 | 40212.2 | U/P |
| 42.425 | 0.0000 | 0.0000 | 88.613 | 0.83943 | 0.00000 | 286378.1 | 199960.1 | 40212.2 | U/P |
| 42.433 | 0.0000 | 0.0000 | 88.611 | 0.83914 | 0.00000 | 286378.1 | 199985.3 | 40212.2 | U/P |
| 42.442 | 0.0000 | 0.0000 | 88.609 | 0.83885 | 0.00000 | 286378.1 | 200010.4 | 40212.2 | U/P |
| 42.450 | 0.0000 | 0.0000 | 88.607 | 0.83856 | 0.00000 | 286378.1 | 200035.6 | 40212.2 | U/P |
| 42.458 | 0.0000 | 0.0000 | 88.606 | 0.83827 | 0.00000 | 286378.1 | 200060.7 | 40212.2 | U/P |
| 42.467 | 0.0000 | 0.0000 | 88.604 | 0.83798 | 0.00000 | 286378.1 | 200085.9 | 40212.2 | U/P |
| 42.475 | 0.0000 | 0.0000 | 88.602 | 0.83768 | 0.00000 | 286378.1 | 200136.1 | 40212.2 | U/P |
| 42.483 | 0.0000 | 0.0000 | 88.600 | 0.83739 | 0.00000 | 286378.1 | 200136.1 | 40212.2 | U/P |
| 42.492 | 0.0000 | 0.0000 | 88.599 | 0.83710 | 0.00000 | 286378.1 | 200161.3 | 40212.2 | U/P |
| 42.500 | 0.0000 | 0.0000 | 88.597 | 0.83681 | 0.00000 | 286378.1 | 200211.5 | 40212.2 | U/P |
| 42.508 | 0.0000 | 0.0000 | 88.595 | 0.83652 | 0.00000 | 286378.1 | 200236.6 | 40212.2 | U/P |
| 42.517 | 0.0000 | 0.0000 | 88.593 | 0.83623 | 0.00000 0.00000 | 286378.1 | 200261.6 | 40212.2 | U/P |
| 42.525 | 0.0000 | 0.0000 | 88.592 | 0.83594 0.83565 | 0.00000 0.00000 | 286378.1 | 200286.7 | 40212.2 | U/P |
| 42.533 | 0.0000 | 0.0000 | 88.590 | 0.83565 0.83536 | 0.00000 | 286378.1 | 200311.8 | 40212.2 | U/P |
| 42.542 | 0.0000 | 0.0000 | 88.588 | 0.83536 | 0.00000 | 286378.1 | 20031.8 |  |  |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

## Detailed Results (cont,d.) :: Scenario 1 :: Pond $4100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative <br> Discharge <br> Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 42.550 | 0.0000 | 0.0000 | 88.587 | 0.83507 | 0.00000 | 286378.1 | 200336.8 | 40212.2 | U/P |
| 42.558 | 0.0000 | 0.0000 | 88.585 | 0.83478 | 0.00000 | 286378.1 | 200361.9 | 40212.2 | U/P |
| 42.567 | 0.0000 | 0.0000 | 88.583 | 0.83449 | 0.00000 | 286378.1 | 200386.9 | 40212.2 | U/P |
| 42.575 | 0.0000 | 0.0000 | 88.581 | 0.83420 | 0.00000 | 286378.1 | 200412.0 | 40212.2 | U/P |
| 42.583 | 0.0000 | 0.0000 | 88.580 | 0.83391 | 0.00000 | 286378.1 | 200437.0 | 40212.2 | U/P |
| 42.592 | 0.0000 | 0.0000 | 88.578 | 0.83362 | 0.00000 | 286378.1 | 200462.0 | 40212.2 | U/P |
| 42.600 | 0.0000 | 0.0000 | 88.576 | 0.83333 | 0.00000 | 286378.1 | 200487.0 | 40212.2 | U/P |
| 42.608 | 0.0000 | 0.0000 | 88.574 | 0.83304 | 0.00000 | 286378.1 | 200512.0 | 40212.2 | U/P |
| 42.617 | 0.0000 | 0.0000 | 88.573 | 0.83275 | 0.00000 | 286378.1 | 200537.0 | 40212.2 | U/P |
| 42.625 | 0.0000 | 0.0000 | 88.571 | 0.83246 | 0.00000 | 286378.1 | 200562.0 | 40212.2 | U/P |
| 42.633 | 0.0000 | 0.0000 | 88.569 | 0.83217 | 0.00000 | 286378.1 | 200586.9 | 40212.2 | U/P |
| 42.642 | 0.0000 | 0.0000 | 88.567 | 0.83188 | 0.00000 | 286378.1 | 200611.9 | 40212.2 | U/P |
| 42.650 | 0.0000 | 0.0000 | 88.566 | 0.83159 | 0.00000 | 286378.1 | 200636.8 | 40212.2 | U/P |
| 42.658 | 0.0000 | 0.0000 | 88.564 | 0.83130 | 0.00000 | 286378.1 | 200661.8 | 40212.2 | U/P |
| 42,667 | 0.0000 | 0.0000 | 88.562 | 0.83101 | 0.00000 | 286378.1 | 200686.7 | 40212.2 | U/P |
| 42.675 | 0.0000 | 0.0000 | 88.561 | 0.83072 | 0.00000 | 286378.1 | 200711.6 | 40212.2 | U/P |
| 42.683 | 0.0000 | 0.0000 | 88.559 | 0.83043 | 0.00000 | 286378.1 | 200736.6 | 40212.2 | U/P |
| 42.682 | 0.0000 | 0.0000 | 88.557 | 0.83014 | 0.00000 | 286378.1 | 200761.5 | 40212.2 | U/P |
| 42.700 | 0.0000 | 0.0000 | 88.555 | 0.82985 | 0.00000 | 286378.1 | 200786.4 | 40212.2 | U/P |
| 42.708 | 0.0000 | 0.0000 | 88.554 | 0.82956 | 0.00000 | 286378.1 | 200811.3 | 40212.2 | U/P |
| 42.717 | 0.0000 | 0.0000 | 88.552 | 0.82927 | 0.00000 | 286378.1 | 200836.1 | 40212.2 | U/P |
| 42.725 | 0.0000 | 0.0000 | 88.550 | 0.82898 | 0.00000 | 286378.1 | 200861.0 | 40212.2 | U/P |
| 42.733 | 0.0000 | 0.0000 | 88.548 | 0.82869 | 0.00000 | 286378.1 | 200885.9 | 40212.2 | U/P |
| 42.742 | 0.0000 | 0.0000 | 88.547 | 0.82839 | 0.00000 | 286378.1 | 200910.7 | 40212.2 | U/P |
| 42.750 | 0.0000 | 0.0000 | 88.545 | 0.82810 | 0.00000 | 286378.1 | 200935.6 | 40212.2 | U/P |
| 42.758 | 0.0000 | 0.0000 | 88.543 | 0.82781 | 0.00000 | 286378.1 | 200960.4 | 40212.2 | U/P |
| 42.767 | 0.0000 | 0.0000 | 88.541 | 0.82752 | 0.00000 | 286378.1 | 200985.3 | 40212.2 | U/P |
| 42.775 | 0.0000 | 0.0000 | 88.540 | 0.82723 | 0.00000 | 286378.1 | 201010.1 | 40212.2 | U/P |
| 42.783 | 0.0000 | 0.0000 | 88.538 | 0.82694 | 0.00000 | 286378.1 | 201034.9 | 40212.2 | U/P |
| 42.792 | 0.0000 | 0.0000 | 88.536 | 0.82665 | 0.00000 | 286378.1 | 201059.7 | 40212.2 | U/P |
| 42.800 | 0.0000 | 0.0000 | 88.534 | 0.82636 | 0.00000 | 286378.1 | 201084.5 | 40212.2 | U/P |
| 42.808 | 0.0000 | 0.0000 | 88.533 | 0.82607 | 0.00000 | 286378.1 | 201109.3 | 40212.2 | U/P |
| 42.817 | 0.0000 | 0.0000 | 88.531 | 0.82578 | 0.00000 | 286378.1 | 201134.0 | 40212.2 | U/P |
| 42.825 | 0.0000 | 0.0000 | 88.529 | 0.82549 | 0.00000 | 286378.1 | 201158.8 | 40212.2 | U/P |
| 42.833 | 0.0000 | 0.0000 | 88.528 | 0.82520 | 0.00000 | 286378.1 | 201183.6 | 40212.2 | U/P |
| 42.842 | 0.0000 | 0.0000 | 88.526 | 0.82491 | 0.00000 | 286378.1 | 201208.3 | 40212.2 | U/P |
| 42.850 | 0.0000 | 0.0000 | 88.524 | 0.82462 | 0.00000 | 286378.1 | 201233.1 | 40212.2 | U/P |
| 42.858 | 0.0000 | 0.0000 | 88.522 | 0.82433 | 0.00000 | 286378.1 | 201257.8 | 40212.2 | U/P |
| 42.867 | 0.0000 | 0.0000 | 88.521 | 0.82404 | 0.00000 | 286378.1 | 201282.5 | 40212.2 | U/P |
| 42.875 | 0.0000 | 0.0000 | 88.519 | 0.82375 | 0.00000 | 286378.1 | 201307.3 | 40212.2 | U/P |
| 42.883 | 0.0000 | 0.0000 | 88.517 | 0.82346 | 0.00000 | 286378.1 | 201332.0 | 40212.2 | U/P |
| 42.892 | 0.0000 | 0.0000 | 88.515 | 0.82317 | 0.00000 | 286378.1 | 201356.7 | 40212.2 | U/P |
| 42.900 | 0.0000 | 0.0000 | 88.514 | 0.82288 | 0.00000 | 286378.1 | 201381.3 | 40212.2 | U/P |
| 42.908 | 0.0000 | 0.0000 | 88.512 | 0.82259 | 0.00000 | 286378.1 | 201406.0 | 40212.2 | U/P |
| 42.917 | 0.0000 | 0.0000 | 88.510 | 0.82230 | 0.00000 | 286378.1 | 201430.7 | 40212.2 | U/P |
| 42.925 | 0.0000 | 0.0000 | 88.508 | 0.82201 | 0.00000 | 286378.1 | 201455.4 | 40212.2 | U/P |
| 42.933 | 0.0000 | 0.0000 | 88.507 | 0.82172 | 0.00000 | 286378.1 | 201480.0 | 40212.2 | U/P |
| 42.942 | 0.0000 | 0.0000 | 88.505 | 0.82143 | 0.00000 | 286378.1 | 201504.7 | 40212.2 | U/P |
| 42.950 | 0.0000 | 0.0000 | 88.503 | 0.82114 | 0.00000 | 286378.1 | 201529.3 | 40212.2 | U/P |
| 42.958 | 0.0000 | 0.0000 | 88.501 | 0.82085 | 0.00000 | 286378.1 | 201553.9 | 40212.2 | U/P |
| 42.967 | 0.0000 | 0.0000 | 88.500 | 0.82056 | 0.00000 | 286378.1 | 201578.6 | 40212.2 | U/P |
| 42.975 | 0.0000 | 0.0000 | 88.498 | 0.82027 | 0.00000 | 286378.1 | 201603.2 | 40212.2 | U/P |
| 42.983 | 0.0000 | 0.0000 | 88.496 | 0.81998 | 0.00000 | 286378.1 | 201627.8 | 40212.2 | U/P |
| 42.992 | 0.0000 | 0.0000 | 88.495 | 0.81969 | 0.00000 | 286378.1 | 201652.4 | 40212.2 | U/P |
| 43.000 | 0.0000 | 0.0000 | 88.493 | 0.81940 | 0.00000 | 286378.1 | 201677.0 | 40212.2 | U/P |
| 43.008 | 0.0000 | 0.0000 | 88.491 | 0.81911 | 0.00000 | 286378.1 | 201701.5 | 40212.2 | U/P |
| 43.017 | 0.0000 | 0.0000 | 88.489 | 0.81881 | 0.00000 | 286378.1 | 201726.1 | 40212.2 | U/P |
| 43.025 | 0.0000 | 0.0000 | 88.488 | 0.81852 | 0.00000 | 286378.1 | 201750.7 | 40212.2 | U/P |
| 43.033 | 0.0000 | 0.0000 | 88.486 | 0.81823 | 0.00000 | 286378.1 | 201775.2 | 40212.2 | U/P |
| 43.042 | 0.0000 | 0.0000 | 88.484 | 0.81794 | 0.00000 | 286378.1 | 201799.8 | 40212.2 | U/P |
| 43.050 | 0.0000 | 0.0000 | 88.482 | 0.81765 | 0.00000 | 286378.1 | 201824.3 | 40212.2 | U/P |
| 43.058 | 0.0000 | 0.0000 | 88.481 | 0.81736 | 0.00000 | 286378.1 | 201848.8 | 40212.2 | U/P |
| 43.067 | 0.0000 | 0.0000 | 88.479 | 0.81707 | 0.00000 | 286378.1 | 201873.3 | 40212.2 | U/P |
| 43.075 | 0.0000 | 0.0000 | 88.477 | 0.81678 | 0.00000 | 286378.1 | 201897.8 | 40212.2 | U/P |
| 43.083 | 0.0000 | 0.0000 | 88.475 | 0.81649 | 0.00000 | 286378.1 | 201922.3 | 40212.2 | U/P |
| 43.092 | 0.0000 | 0.0000 | 88.474 | 0.81620 | 0.00000 | 286378.1 | 201946.8 | 40212.2 | U/P |
| 43.100 | 0.0000 | 0.0000 | 88.472 | 0.81591 | 0.00000 | 286378.1 | 201971.3 | 40212.2 | U/P |
| 43.108 | 0.0000 | 0.0000 | 88.470 | 0.81562 | 0.00000 | 286378.1 | 201995.8 | 40212.2 | U/P |
| 43.117 | 0.0000 | 0.0000 | 88.468 | 0.81533 | 0.00000 | 286378.1 | 202020.3 | 40212.2 | U/P |
| 43.125 | 0.0000 | 0.0000 | 88.467 | 0.81504 | 0.00000 | 286378.1 | 202044.7 | 40212.2 | U/P |
| 43.133 | 0.0000 | 0.0000 | 88.465 | 0.81475 | 0.00000 | 286378.1 | 202069.2 | 40212.2 | U/P |
| 43.142 | 0.0000 | 0.0000 | 88.463 | 0.81446 | 0.00000 | 286378.1 | 202093.6 | 40212.2 | U/P |
| 43.150 | 0.0000 | 0.0000 | 88.462 | 0.81417 | 0.00000 | 286378.1 | 202118.0 | 40212.2 | U/P |
| 43.158 | 0.0000 | 0.0000 | 88.460 | 0.81388 | 0.00000 | 286378.1 | 202142.4 | 40212.2 | U/P |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: Pond $4100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (fl datum) | Infiltration Rate ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Overflow Dischafge ( $\mathrm{fl}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infilisation Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{H}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 43.167 | 0.0000 | 0.0000 | 88.458 | 0.81359 | 0.00000 | 286378.1 | 202166.9 | 40212.2 | U/P |
| 43.175 | 0.0000 | 0.0000 | 88.456 | 0.81330 | 0.00000 | 286378.1 | 202191.3 | 40212.2 | U/P |
| 43.183 | 0.0000 | 0.0000 | 88.455 | 0.81301 | 0.00000 | 286378.1 | 202215.7 | 40212.2 | U/P |
| 43.192 | 0.0000 | 0.0000 | 88.453 | 0.81272 | 0.00000 | 286378.1 | 202240.0 | 40212.2 | U/P |
| 43.200 | 0.0000 | 0.0000 | 88.451 | 0.81243 | 0.00000 | 286378.1 | 202264.4 | 40212.2 | U/P |
| 43.208 | 0.0000 | 0.0000 | 88.449 | 0.81214 | 0.00000 | 286378.1 | 202288.8 | 40212.2 | U/P |
| 43.217 | 0.0000 | 0.0000 | 88.448 | 0.81185 | 0.00000 | 286378.1 | 202313.1 | 40212.2 | U/P |
| 43.225 | 0.0000 | 0.0000 | 88.446 | 0.81156 | 0.00000 | 286378.1 | 202337.5 | 40212.2 | U/P |
| 43.233 | 0.0000 | 0.0000 | 88.444 | 0.81127 | 0.00000 | 286378.1 | 202361.8 | 40212.2 | U/P |
| 43.242 | 0.0000 | 0.0000 | 88.442 | 0.81098 | 0.00000 | 286378.1 | 202386.2 | 40212.2 | U/P |
| 43.250 | 0.0000 | 0.0000 | 88.441 | 0.81069 | 0.00000 | 286378.1 | 202410.5 | 40212.2 | U/P |
| 43.258 | 0.0000 | 0.0000 | 88.439 | 0.81040 | 0.00000 | 286378.1 | 202434.8 | 40212.2 | U/P |
| 43.267 | 0.0000 | 0.0000 | 88.437 | 0.81011 | 0.00000 | 286378.1 | 202459.1 | 40212.2 | U/P |
| 43.275 | 0.0000 | 0.0000 | 88.435 | 0.80982 | 0.00000 | 286378.1 | 202483.4 | 40212.2 | U/P |
| 43.283 | 0.0000 | 0.0000 | 88.434 | 0.80952 | 0.00000 | 286378.1 | 202507.7 | 40212.2 | U/P |
| 43.292 | 0.0000 | 0.0000 | 88.432 | 0.80923 | 0.00000 | 286378.1 | 202532.0 | 40212.2 | U/P |
| 43.300 | 0.0000 | 0.0000 | 88.430 | 0.80894 | 0.00000 | 286378.1 | 202556.3 | 40212.2 | U/P |
| 43.308 | 0.0000 | 0.0000 | 88.429 | 0.80865 | 0.00000 | 286378.1 | 202580.5 | 40212.2 | U/P |
| 43.317 | 0.0000 | 0.0000 | 88.427 | 0.80836 | 0.00000 | 286378.1 | 202604.8 | 40212.2 | U/P |
| 43.325 | 0.0000 | 0.0000 | 88.425 | 0.80807 | 0.00000 | 286378.1 | 202629.0 | 40212.2 | U/P |
| 43.333 | 0.0000 | 0.0000 | 88.423 | 0.80778 | 0.00000 | 286378.1 | 202653.3 | 40212.2 | U/P |
| 43.342 | 0.0000 | 0.0000 | 88.422 | 0.80749 | 0.00000 | 286378.1 | 202677.5 | 40212.2 | U/P |
| 43.350 | 0.0000 | 0.0000 | 88.420 | 0.80720 | 0.00000 | 286378.1 | 202701.7 | 40212.2 | U/P |
| 43.358 | 0.0000 | 0.0000 | 88.418 | 0.80691 | 0.00000 | 286378.1 | 202725.9 | 40212.2 | U/P |
| 43.367 | 0.0000 | 0.0000 | 88.416 | 0.80662 | 0.00000 | 286378.1 | 202750.1 | 40212.2 | U/P |
| 43.375 | 0.0000 | 0.0000 | 88.415 | 0.80633 | 0.00000 | 286378.1 | 202774.3 | 40212.2 | U/P |
| 43.383 | 0.0000 | 0.0000 | 88.413 | 0.80604 | 0.00000 | 286378.1 | 202798.5 | 40212.2 | U/P |
| 43.392 | 0.0000 | 0.0000 | 88.411 | 0.80575 | 0.00000 | 286378.1 | 202822.7 | 40212.2 | U/P |
| 43.400 | 0.0000 | 0.0000 | 88.409 | 0.80546 | 0.00000 | 286378.1 | 202846.9 | 40212.2 | U/P |
| 43.408 | 0.0000 | 0.0000 | 88.408 | 0.80517 | 0.00000 | 286378.1 | 202871.0 | 40212.2 | U/P |
| 43.417 | 0.0000 | 0.0000 | 88.406 | 0.80488 | 0.00000 | 286378.1 | 202895.2 | 40212.2 | U/P |
| 43.425 | 0.0000 | 0.0000 | 88.404 | 0.80459 | 0.00000 | 286378.1 | 202919.3 | 40212.2 | U/P |
| 43.433 | 0.0000 | 0.0000 | 88.402 | 0.80430 | 0.00000 | 286378.1 | 202943.4 | 40212.2 | U/P |
| 43.442 | 0.0000 | 0.0000 | 88.401 | 0.80401 | 0.00000 | 286378.1 | 202967.6 | 40212.2 | U/P |
| 43.450 | 0.0000 | 0.0000 | 88.399 | 0.80372 | 0.00000 | 286378.1 | 202991.7 | 40212.2 | U/P |
| 43.458 | 0.0000 | 0.0000 | 88.397 | 0.80343 | 0.00000 | 286378.1 | 203015.8 | 40212.2 | U/P |
| 43.467 | 0.0000 | 0.0000 | 88.396 | 0.80314 | 0.00000 | 286378.1 | 203039.9 | 40212.2 | U/P |
| 43.475 | 0.0000 | 0.0000 | 88.394 | 0.80285 | 0.00000 | 286378.1 | 203064.0 | 40212.2 | U/P |
| 43.483 | 0.0000 | 0.0000 | 88.392 | 0.80256 | 0.00000 | 286378.1 | 203088.1 | 40212.2 | U/P |
| 43.492 | 0.0000 | 0.0000 | 88.390 | 0.80227 | 0.00000 | 286378.1 | 203112.1 | 40212.2 | U/P |
| 43.500 | 0.0000 | 0.0000 | 88.389 | 0.80198 | 0.00000 | 286378.1 | 203136.2 | 40212.2 | U/P |
| 43.508 | 0.0000 | 0.0000 | 88.387 | 0.80169 | 0.00000 | 286378.1 | 203160.3 | 40212.2 | U/P |
| 43.517 | 0.0000 | 0.0000 | 88.385 | 0.80140 | 0.00000 | 286378.1 | 203184.3 | 40212.2 | U/P |
| 43.525 | 0.0000 | 0.0000 | 88.383 | 0.80111 | 0.00000 | 286378.1 | 203208.3 | 40212.2 | U/P |
| 43.533 | 0.0000 | 0.0000 | 88.382 | 0.80082 | 0.00000 | 286378.1 | 203232.4 | 40212.2 | U/P |
| 43.542 | 0.0000 | 0.0000 | 88.380 | 0.80053 | 0.00000 | 286378.1 | 203256.4 | 40212.2 | U/P |
| 43.550 | 0.0000 | 0.0000 | 88.378 | 0.80024 | 0.00000 | 286378.1 | 203280.4 | 40212.2 | U/P |
| 43.558 | 0.0000 | 0.0000 | 88.376 | 0.79994 | 0.00000 | 286378.1 | 203304.4 | 40212.2 | U/P |
| 43.567 | 0.0000 | 0.0000 | 88.375 | 0.79965 | 0.00000 | 286378.1 | 203328.4 | 40212.2 | U/P |
| 43.575 | 0.0000 | 0.0000 | 88.373 | 0.79936 | 0.00000 | 286378.1 | 203352.4 | 40212.2 | U/P |
| 43.583 | 0.0000 | 0.0000 | 88.371 | 0.79907 | 0.00000 | 286378.1 | 203376.3 | 40212.2 | U/P |
| 43.592 | 0.0000 | 0.0000 | 88.369 | 0.79878 | 0.00000 | 286378.1 | 203400.3 | 40212.2 | U/P |
| 43.600 | 0.0000 | 0.0000 | 88.368 | 0.79849 | 0.00000 | 286378.1 | 203424.3 | 40212.2 | U/P |
| 43.608 | 0.0000 | 0.0000 | 88.366 | 0.79820 | 0.00000 | 286378.1 | 203448.2 | 40212.2 | U/P |
| 43.617 | 0.0000 | 0.0000 | 88.364 | 0.79791 | 0.00000 | 286378.1 | 203472.2 | 40212.2 | U/P |
| 43.625 | 0.0000 | 0.0000 | 88.363 | 0.79762 | 0.00000 | 286378.1 | 203496.1 | 40212.2 | U/P |
| 43.633 | 0.0000 | 0.0000 | 88.361 | 0.79733 | 0.00000 | 286378.1 | 203520.0 | 40212.2 | U/P |
| 43.642 | 0.0000 | 0.0000 | 88.359 | 0.79704 | 0.00000 | 286378.1 | 203543.9 | 40212.2 | U/P |
| 43.650 | 0.0000 | 0.0000 | 88.357 | 0.79675 | 0.00000 | 286378.1 | 203567.8 | 40212.2 | U/P |
| 43.658 | 0.0000 | 0.0000 | 88.356 | 0.79646 | 0.00000 | 286378.1 | 203591.8 | 40212.2 | U/P |
| 43.667 | 0.0000 | 0.0000 | 88.354 | 0.79617 | 0.00000 | 286378.1 | 203615.6 | 40212.2 | U/P |
| 43.675 | 0.0000 | 0.0000 | 88.352 | 0.79588 | 0.00000 | 286378.1 | 203639.5 | 40212.2 | U/P |
| 43.683 | 0.0000 | 0.0000 | 88.350 | 0.79559 | 0.00000 | 286378.1 | 203663.4 | 40212.2 | U/P |
| 43.692 | 0.0000 | 0.0000 | 88.349 | 0.79530 | 0.00000 | 286378.1 | 203687.3 | 40212.2 | U/P |
| 43.700 | 0.0000 | 0.0000 | 88.347 | 0.79501 | 0.00000 | 286378.1 | 203711.1 | 40212.2 | U/P |
| 43.708 | 0.0000 | 0.0000 | 88.345 | 0.79472 | 0.00000 | 286378.1 | 203735.0 | 40212.2 | U/P |
| 43.717 | 0.0000 | 0.0000 | 88.343 | 0.79443 | 0.00000 | 286378.1 | 203758.8 | 40212.2 | U/P |
| 43.725 | 0.0000 | 0.0000 | 88.342 | 0.79414 | 0.00000 | 286378.1 | 203782.6 | 40212.2 | U/P |
| 43.733 | 0.0000 | 0.0000 | 88.340 | 0.79385 | 0.00000 | 286378.1 | 203806.4 | 40212.2 | U/P |
| 43.742 | 0.0000 | 0.0000 | 88.338 | 0.79356 | 0.00000 | 286378.1 | 203830.3 | 40212.2 | U/P |
| 43.750 | 0.0000 | 0.0000 | 88.337 | 0.79327 | 0.00000 | 286378.1 | 203854.0 | 40212.2 | U/P |
| 43.758 | 0.0000 | 0.0000 | 88.335 | 0.79298 | 0.00000 | 286378.1 | 203877.8 | 40212.2 | U/P |
| 43.767 | 0.0000 | 0.0000 | 88.333 | 0.79269 | 0.00000 | 286378.1 | 203901.6 | 40212.2 | U/P |
| 43.775 | 0.0000 | 0.0000 | 88.331 | 0.79240 | 0.00000 | 286378.1 | 203925.4 | 40212.2 | U/P |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: Pond $4100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Infiow Rate ( f / $/$ /s) | Outside Recharge (fl/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{t}{ }^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Infilization Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 43.783 | 0.0000 | 0.0000 | 88.330 | 0.79211 | 0.00000 | 286378.1 | 203949.2 | 40212.2 | U/P |
| 43.782 | 0.0000 | 0.0000 | 88.328 | 0.79182 | 0.00000 | 286378.1 | 203972.9 | 40212.2 | U/P |
| 43.800 | 0.0000 | 0.0000 | 88.326 | 0.79153 | 0.00000 | 286378.1 | 203996.7 | 40212.2 | U/P |
| 43.808 | 0.0000 | 0.0000 | 88.324 | 0.79124 | 0.00000 | 286378.1 | 204020.4 | 40212.2 | U/P |
| 43.817 | 0.0000 | 0.0000 | 88.323 | 0.79095 | 0.00000 | 286378.1 | 204044.2 | 40212.2 | U/P |
| 43.825 | 0.0000 | 0.0000 | 88.321 | 0.79065 | 0.00000 | 286378.1 | 204067.9 | 40212.2 | U/P |
| 43.833 | 0.0000 | 0.0000 | 88.319 | 0.79036 | 0.00000 | 286378.1 | 204091.6 | 40212.2 | U/P |
| 43.842 | 0.0000 | 0.0000 | 88.317 | 0.79007 | 0.00000 | 286378.1 | 204115.3 | 40212.2 | U/P |
| 43.850 | 0.0000 | 0.0000 | 88.316 | 0.78978 | 0.00000 | 286378.1 | 204139.0 | 40212.2 | U/P |
| 43.858 | 0.0000 | 0.0000 | 88.314 | 0.78949 | 0.00000 | 286378.1 | 204162.7 | 40212.2 | U/P |
| 43.867 | 0.0000 | 0.0000 | 88.312 | 0.78920 | 0.00000 | 286378.1 | 204186.4 | 40212.2 | U/P |
| 43.875 | 0.0000 | 0.0000 | 88.310 | 0.78891 | 0.00000 | 286378.1 | 204210.0 | 40212.2 | U/P |
| 43.883 | 0.0000 | 0.0000 | 88.309 | 0.78862 | 0.00000 | 286378.1 | 204233.7 | 40212.2 | U/P |
| 43.892 | 0.0000 | 0.0000 | 88.307 | 0.78833 | 0.00000 | 286378.1 | 204257.4 | 40212.2 | U/P |
| 43.900 | 0.0000 | 0.0000 | 88.305 | 0.78804 | 0.00000 | 286378.1 | 204281.0 | 40212.2 | U/P |
| 43.908 | 0.0000 | 0.0000 | 88.304 | 0.78775 | 0.00000 | 286378.1 | 204304.6 | 40212.2 | U/P |
| 43.917 | 0.0000 | 0.0000 | 88.302 | 0.78746 | 0.00000 | 286378.1 | 204328.3 | 40212.2 | U/P |
| 43.925 | 0.0000 | 0.0000 | 88.300 | 0.78717 | 0.00000 | 286378.1 | 204351.9 | 40212.2 | U/P |
| 43.933 | 0.0000 | 0.0000 | 88.298 | 0.78688 | 0.00000 | 286378.1 | 204375.5 | 40212.2 | U/P |
| 43.942 | 0.0000 | 0.0000 | 88.297 | 0.78659 | 0.00000 | 286378.1 | 204399.1 | 40212.2 | U/P |
| 43.950 | 0.0000 | 0.0000 | 88.295 | 0.78630 | 0.00000 | 286378.1 | 204422.7 | 40212.2 | U/P |
| 43.958 | 0.0000 | 0.0000 | 88.293 | 0.78601 | 0.00000 | 286378.1 | 204446.3 | 40212.2 | U/P |
| 43.967 | 0.0000 | 0.0000 | 88.291 | 0.78572 | 0.00000 | 286378.1 | 204469.9 | 40212.2 | U/P |
| 43.975 | 0.0000 | 0.0000 | 88.290 | 0.78543 | 0.00000 | 286378.1 | 204493.4 | 40212.2 | U/P |
| 43.983 | 0.0000 | 0.0000 | 88.288 | 0.78514 | 0.00000 | 286378.1 | 204517.0 | 40212.2 | U/P |
| 43.992 | 0.0000 | 0.0000 | 88.286 | 0.78485 | 0.00000 | 286378.1 | 204540.5 | 40212.2 | U/P |
| 44.000 | 0.0000 | 0.0000 | 88.284 | 0.78456 | 0.00000 | 286378.1 | 204564.1 | 40212.2 | U/P |
| 44.008 | 0.0000 | 0.0000 | 88.283 | 0.78427 | 0.00000 | 286378.1 | 204587.6 | 40212.2 | U/P |
| 44.017 | 0.0000 | 0.0000 | 88.281 | 0.78398 | 0.00000 | 286378.1 | 204611.1 | 40212.2 | U/P |
| 44.025 | 0.0000 | 0.0000 | 88.279 | 0.78369 | 0.00000 | 286378.1 | 204634.6 | 40212.2 | P |
| 44.033 | 0.0000 | 0.0000 | 88.277 | 0.78340 | 0.00000 | 286378.1 | 204658.2 | 40212.2 | U/P |
| 44.042 | 0.0000 | 0.0000 | 88.276 | 0.78311 | 0.00000 | 286378.1 | 204681.7 | 40212.2 | U/P |
| 44.050 | 0.0000 | 0.0000 | 88.274 | 0.78282 | 0.00000 | 286378.1 | 204705.1 | 40212.2 | U/P |
| 44.058 | 0.0000 | 0.0000 | 88.272 | 0.78253 | 0.00000 | 286378.1 | 204728.6 | 40212.2 | U/P |
| 44.067 | 0.0000 | 0.0000 | 88.271 | 0.78224 | 0.00000 | 286378.1 | 204752.1 | 40212.2 | U/P |
| 44.075 | 0.0000 | 0.0000 | 88.269 | 0.78195 | 0.00000 | 286378.1 | 204775.5 | 40212.2 | U/P |
| 44.083 | 0.0000 | 0.0000 | 88.267 | 0.78166 | 0.00000 | 286378.1 | 204799.0 | 40212.2 | U/P |
| 44.092 | 0.0000 | 0.0000 | 88.265 | 0.78136 | 0.00000 | 286378.1 | 204822.5 | 40212.2 | U/P |
| 44.100 | 0.0000 | 0.0000 | 88.264 | 0.78107 | 0.00000 | 286378.1 | 204845.9 | 40212.2 | U/P |
| 44.108 | 0.0000 | 0.0000 | 88.262 | 0.78078 | 0.00000 | 286378.1 | 204869.3 | 40212.2 | U/P |
| 44.117 | 0.0000 | 0.0000 | 88.260 | 0.78049 | 0.00000 | 286378.1 | 204892.7 | 40212.2 | U/P |
| 44.125 | 0.0000 | 0.0000 | 88.258 | 0.78020 | 0.00000 | 286378.1 | 204916.1 | 40212.2 | U/P |
| 44.133 | 0.0000 | 0.0000 | 88.257 | 0.77991 | 0.00000 | 286378.1 | 204939.5 | 40212.2 | U/P |
| 44.142 | 0.0000 | 0.0000 | 88.255 | 0.77962 | 0.00000 | 286378.1 | 204962.9 | 40212.2 | U/P |
| 44.150 | 0.0000 | 0.0000 | 88.253 | 0.77933 | 0.00000 | 286378.1 | 204986.3 | 40212.2 | U/P |
| 44.158 | 0.0000 | 0.0000 | 88.251 | 0.77904 | 0.00000 | 286378.1 | 205009.7 | 40212.2 | U/P |
| 44.167 | 0.0000 | 0.0000 | 88.250 | 0.77875 | 0.00000 | 286378.1 | 205033.1 | 40212.2 | U/P |
| 44.175 | 0.0000 | 0.0000 | 88.248 | 0.77846 | 0.00000 | 286378.1 | 205056.4 | 40212.2 | U/P |
| 44.183 | 0.0000 | 0.0000 | 88.246 | 0.77817 | 0.00000 | 286378.1 | 205079.8 | 40212.2 | U/P |
| 44.192 | 0.0000 | 0.0000 | 88.244 | 0.77788 | 0.00000 | 286378.1 | 205103.1 | 40212.2 | U/P |
| 44.200 | 0.0000 | 0.0000 | 88.243 | 0.77759 | 0.00000 | 286378.1 | 205126.5 | 40212.2 | U/P |
| 44.208 | 0.0000 | 0.0000 | 88.241 | 0.77730 | 0.00000 | 286378.1 | 205149.8 | 40212.2 | U/P |
| 44.217 | 0.0000 | 0.0000 | 88.239 | 0.77701 | 0.00000 | 286378.1 | 205173.1 | 40212.2 | U/P |
| 44.225 | 0.0000 | 0.0000 | 88.238 | 0.77672 | 0.00000 | 286378.1 | 205196.4 | 40212.2 | U/P |
| 44.233 | 0.0000 | 0.0000 | 88.236 | 0.77643 | 0.00000 | 286378.1 | 205219.7 | 40212.2 | U/P |
| 44.242 | 0.0000 | 0.0000 | 88.234 | 0.77614 | 0.00000 | 286378.1 | 205243.0 | 40212.2 | U/P |
| 44.250 | 0.0000 | 0.0000 | 88.232 | 0.77585 | 0.00000 | 286378.1 | 205266.3 | 40212.2 | U/P |
| 44.258 | 0.0000 | 0.0000 | 88.231 | 0.77556 | 0.00000 | 286378.1 | 205289.5 | 40212.2 | U/P |
| 44.267 | 0.0000 | 0.0000 | 88.229 | 0.77527 | 0.00000 | 286378.1 | 205312.8 | 40212.2 | U/P |
| 44.275 | 0.0000 | 0.0000 | 88.227 | 0.77498 | 0.00000 | 286378.1 | 205336.0 | 40212.2 | U/P |
| 44.283 | 0.0000 | 0.0000 | 88.225 | 0.77469 | 0.00000 | 286378.1 | 205359.3 | 40212.2 | U/P |
| 44.292 | 0.0000 | 0.0000 | 88.224 | 0.77440 | 0.00000 | 286378.1 | 205382.5 | 40212.2 | U/P |
| 44.300 | 0.0000 | 0.0000 | 88.222 | 0.77411 | 0.00000 | 286378.1 | 205405.8 | 40212.2 | U/P |
| 44.308 | 0.0000 | 0.0000 | 88.220 | 0.77382 | 0.00000 | 286378.1 | 205429.0 | 40212.2 | U/P |
| 44.317 | 0.0000 | 0.0000 | 88.218 | 0.77353 | 0.00000 | 286378.1 | 205452.2 | 40212.2 | U/P |
| 44.325 | 0.0000 | 0.0000 | 88.217 | 0.77324 | 0.00000 | 286378.1 | 205475.4 | 40212.2 | U/P |
| 44.333 | 0.0000 | 0.0000 | 88.215 | 0.77295 | 0.00000 | 286378.1 | 205498.6 | 40212.2 | U/P |
| 44.342 | 0.0000 | 0.0000 | 88.213 | 0.77266 | 0.00000 | 286378.1 | 205521.8 | 40212.2 | U/P |
| 44.350 | 0.0000 | 0.0000 | 88.211 | 0.77237 | 0.00000 | 286378.1 | 205544.9 | 40212.2 | U/P |
| 44.358 | 0.0000 | 0.0000 | 88.210 | 0.77208 | 0.00000 | 286378.1 | 205568.1 | 40212.2 | U/P |
| 44.367 | 0.0000 | 0.0000 | 88.208 | 0.77178 | 0.00000 | 286378.1 | 205591.3 | 40212.2 | U/P |
| 44.375 | 0.0000 | 0.0000 | 88.206 | 0.77149 | 0.00000 | 286378.1 | 205614.4 | 40212.2 | U/P |
| 44.383 | 0.0000 | 0.0000 | 88.205 | 0.77120 | 0.00000 | 286378.1 | 205637.5 | 40212.2 | U/P |
| 44.392 | 0.0000 | 0.0000 | 88.203 | 0.77091 | 0.00000 | 286378.1 | 205660.7 | 40212.2 | U/P |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: Pond $4100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Infiow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge (f $\mathrm{f}^{1 / 5}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative <br> Discharge <br> Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 44.400 | 0.0000 | 0.0000 | 88.201 | 0.77062 | 0.00000 | 286378.1 | 205683.8 | 40212.2 | U/P |
| 44.408 | 0.0000 | 0.0000 | 88.199 | 0.77033 | 0.00000 | 286378.1 | 205706.9 | 40212.2 | U/P |
| 44.417 | 0.0000 | 0.0000 | 88.198 | 0.77004 | 0.00000 | 286378.1 | 205730.0 | 40212.2 | U/P |
| 44.425 | 0.0000 | 0.0000 | 88.196 | 0.76975 | 0.00000 | 286378.1 | 205753.1 | 40212.2 | U/P |
| 44.433 | 0.0000 | 0.0000 | 88.194 | 0.76946 | 0.00000 | 286378.1 | 205776.2 | 40212.2 | U/P |
| 44.442 | 0.0000 | 0.0000 | 88.192 | 0.76917 | 0.00000 | 286378.1 | 205799.3 | 40212.2 | U/P |
| 44.450 | 0.0000 | 0.0000 | 88.191 | 0.76888 | 0.00000 | 286378.1 | 205822.4 | 40212.2 | U/P |
| 44.458 | 0.0000 | 0.0000 | 88.189 | 0.76859 | 0.00000 | 286378.1 | 205845.4 | 40212.2 | U/P |
| 44.467 | 0.0000 | 0.0000 | 88.187 | 0.76830 | 0.00000 | 286378.1 | 205868.5 | 40212.2 | U/P |
| 44.475 | 0.0000 | 0.0000 | 88.185 | 0.76801 | 0.00000 | 286378.1 | 205891.5 | 40212.2 | U/P |
| 44.483 | 0.0000 | 0.0000 | 88.184 | 0.76772 | 0.00000 | 286378.1 | 205914.6 | 40212.2 | U/P |
| 44.492 | 0.0000 | 0.0000 | 88.182 | 0.76743 | 0.00000 | 286378.1 | 205937.6 | 40212.2 | U/P |
| 44.500 | 0.0000 | 0.0000 | 88.180 | 0.76714 | 0.00000 | 286378.1 | 205960.6 | 40212.2 | U/P |
| 44.508 | 0.0000 | 0.0000 | 88.178 | 0.76685 | 0.00000 | 286378.1 | 205983.6 | 40212.2 | U/P |
| 44.517 | 0.0000 | 0.0000 | 88.177 | 0.76656 | 0.00000 | 286378.1 | 206006.6 | 40212.2 | U/P |
| 44.525 | 0.0000 | 0.0000 | 88.175 | 0.76627 | 0.00000 | 286378.1 | 206029.6 | 40212.2 | U/P |
| 44.533 | 0.0000 | 0.0000 | 88.173 | 0.76598 | 0.00000 | 286378.1 | 206052.6 | 40212.2 | U/P |
| 44.542 | 0.0000 | 0.0000 | 88.172 | 0.76569 | 0.00000 | 286378.1 | 206075.6 | 40212.2 | U/P |
| 44.550 | 0.0000 | 0.0000 | 88.170 | 0.76540 | 0.00000 | 286378.1 | 206098.5 | 40212.2 | U/P |
| 44.558 | 0.0000 | 0.0000 | 88.168 | 0.76511 | 0.00000 | 286378.1 | 206121.5 | 40212.2 | U/P |
| 44.567 | 0.0000 | 0.0000 | 88.166 | 0.76482 | 0.00000 | 286378.1 | 206144.4 | 40212.2 | U/P |
| 44.575 | 0.0000 | 0.0000 | 88.165 | 0.76453 | 0.00000 | 286378.1 | 206167.4 | 40212.2 | U/P |
| 44.583 | 0.0000 | 0.0000 | 88.163 | 0.76424 | 0.00000 | 286378.1 | 206190.3 | 40212.2 | U/P |
| 44.592 | 0.0000 | 0.0000 | 88.161 | 0.76395 | 0.00000 | 286378.1 | 206213.2 | 40212.2 | U/P |
| 44.600 | 0.0000 | 0.0000 | 88.159 | 0.76366 | 0.00000 | 286378.1 | 206236.1 | 40212.2 | U/P |
| 44.608 | 0.0000 | 0.0000 | 88.158 | 0.76337 | 0.00000 | 286378.1 | 206259.0 | 40212.2 | U/P |
| 44.617 | 0.0000 | 0.0000 | 88.156 | 0.76308 | 0.00000 | 286378.1 | 206282.0 | 40212.2 | U/P |
| 44.625 | 0.0000 | 0.0000 | 88.154 | 0.76279 | 0.00000 | 286378.1 | 206304.8 | 40212.2 | U/P |
| 44.633 | 0.0000 | 0.0000 | 88.152 | 0.76249 | 0.00000 | 286378.1 | 206327.7 | 40212.2 | U/P |
| 44.642 | 0.0000 | 0.0000 | 88.151 | 0.76220 | 0.00000 | 286378.1 | 206350.6 | 40212.2 | U/P |
| 44.650 | 0.0000 | 0.0000 | 88.149 | 0.76191 | 0.00000 | 286378.1 | 206373.5 | 40212.2 | U/P |
| 44.658 | 0.0000 | 0.0000 | 88.147 | 0.76162 | 0.00000 | 286378.1 | 206396.3 | 40212.2 | U/P |
| 44.667 | 0.0000 | 0.0000 | 88.145 | 0.76133 | 0.00000 | 286378.1 | 206419.1 | 40212.2 | U/P |
| 44.675 | 0.0000 | 0.0000 | 88.144 | 0.76104 | 0.00000 | 286378.1 | 206442.0 | 40212.2 | U/P |
| 44.683 | 0.0000 | 0.0000 | 88.142 | 0.76075 | 0.00000 | 286378.1 | 206464.8 | 40212.2 | U/P |
| 44.692 | 0.0000 | 0.0000 | 88.140 | 0.76046 | 0.00000 | 286378.1 | 206487.6 | 40212.2 | U/P |
| 44.700 | 0.0000 | 0.0000 | 88.139 | 0.76017 | 0.00000 | 286378.1 | 206510.4 | 40212.2 | U/P |
| 44.708 | 0.0000 | 0.0000 | 88.137 | 0.75988 | 0.00000 | 286378.1 | 206533.2 | 40212.2 | U/P |
| 44.717 | 0.0000 | 0.0000 | 88.135 | 0.75959 | 0.00000 | 286378.1 | 206556.0 | 40212.2 | U/P |
| 44.725 | 0.0000 | 0.0000 | 88.133 | 0.75930 | 0.00000 | 286378.1 | 206578.8 | 40212.2 | U/P |
| 44.733 | 0.0000 | 0.0000 | 88.132 | 0.75901 | 0.00000 | 286378.1 | 206601.6 | 40212.2 | U/P |
| 44.742 | 0.0000 | 0.0000 | 88.130 | 0.75872 | 0.00000 | 286378.1 | 206624.3 | 40212.2 | U/P |
| 44.750 | 0.0000 | 0.0000 | 88.128 | 0.75843 | 0.00000 | 286378.1 | 206647.1 | 40212.2 | U/P |
| 44.758 | 0.0000 | 0.0000 | 88.126 | 0.75814 | 0.00000 | 286378.1 | 206669.9 | 40212.2 | U/P |
| 44.767 | 0.0000 | 0.0000 | 88.125 | 0.75785 | 0.00000 | 286378.1 | 206692.6 | 40212.2 | U/P |
| 44.775 | 0.0000 | 0.0000 | 88.123 | 0.75756 | 0.00000 | 286378.1 | 206715.3 | 40212.2 | U/P |
| 44.783 | 0.0000 | 0.0000 | 88.121 | 0.75727 | 0.00000 | 286378.1 | 206738.0 | 40212.2 | U/P |
| 44.792 | 0.0000 | 0.0000 | 88.119 | 0.75698 | 0.00000 | 286378.1 | 206760.8 | 40212.2 | U/P |
| 44.800 | 0.0000 | 0.0000 | 88.118 | 0.75669 | 0.00000 | 286378.1 | 206783.5 | 40212.2 | U/P |
| 44.808 | 0.0000 | 0.0000 | 88.116 | 0.75640 | 0.00000 | 286378.1 | 206806.2 | 40212.2 | U/P |
| 44.817 | 0.0000 | 0.0000 | 88.114 | 0.75611 | 0.00000 | 286378.1 | 206828.9 | 40212.2 | U/P |
| 44.825 | 0.0000 | 0.0000 | 88.113 | 0.75582 | 0.00000 | 286378.1 | 206851.5 | 40212.2 | U/P |
| 44.833 | 0.0000 | 0.0000 | 88.111 | 0.75553 | 0.00000 | 286378.1 | 206874.2 | 40212.2 | U/P |
| 44.842 | 0.0000 | 0.0000 | 88.109 | 0.75524 | 0.00000 | 286378.1 | 206896.9 | 40212.2 | U/P |
| 44.850 | 0.0000 | 0.0000 | 88.107 | 0.75495 | 0.00000 | 286378.1 | 206919.5 | 40212.2 | U/P |
| 44.858 | 0.0000 | 0.0000 | 88.106 | 0.75466 | 0.00000 | 286378.1 | 206942.2 | 40212.2 | U/P |
| 44.867 | 0.0000 | 0.0000 | 88.104 | 0.75437 | 0.00000 | 286378.1 | 206964.8 | 40212.2 | U/P |
| 44.875 | 0.0000 | 0.0000 | 88.102 | 0.75408 | 0.00000 | 286378.1 | 206987.4 | 40212.2 | U/P |
| 44.883 | 0.0000 | 0.0000 | 88.100 | 0.75379 | 0.00000 | 286378.1 | 207010.0 | 40212.2 | U/P |
| 44.892 | 0.0000 | 0.0000 | 88.099 | 0.75350 | 0.00000 | 286378.1 | 207032.7 | 40212.2 | U/P |
| 44.900 | 0.0000 | 0.0000 | 88.097 | 0.75320 | 0.00000 | 286378.1 | 207055.3 | 40212.2 | U/P |
| 44.908 | 0.0000 | 0.0000 | 88.095 | 0.75291 | 0.00000 | 286378.1 | 207077.8 | 40212.2 | U/P |
| 44.917 | 0.0000 | 0.0000 | 88.093 | 0.75262 | 0.00000 | 286378.1 | 207100.4 | 40212.2 | U/P |
| 44.925 | 0.0000 | 0.0000 | 88.092 | 0.75233 | 0.00000 | 286378.1 | 207123.0 | 40212.2 | U/P |
| 44.933 | 0.0000 | 0.0000 | 88.090 | 0.75204 | 0.00000 | 286378.1 | 207145.6 | 40212.2 | U/P |
| 44.942 | 0.0000 | 0.0000 | 88.088 | 0.75175 | 0.00000 | 286378.1 | 207168.1 | 40212.2 | U/P |
| 44.950 | 0.0000 | 0.0000 | 88.086 | 0.75146 | 0.00000 | 286378.1 | 207190.7 | 40212.2 | U/P |
| 44.958 | 0.0000 | 0.0000 | 88.085 | 0.75117 | 0.00000 | 286378.1 | 207213.2 | 40212.2 | U/P |
| 44.967 | 0.0000 | 0.0000 | 88.083 | 0.75088 | 0.00000 | 286378.1 | 207235.7 | 40212.2 | U/P |
| 44.975 | 0.0000 | 0.0000 | 88.081 | 0.75059 | 0.00000 | 286378.1 | 207258.3 | 40212.2 | U/P |
| 44.983 | 0.0000 | 0.0000 | 88.080 | 0.75030 | 0.00000 | 286378.1 | 207280.8 | 40212.2 | U/P |
| 44.992 | 0.0000 | 0.0000 | 88.078 | 0.75001 | 0.00000 | 286378.1 | 207303.3 | 40212.2 | U/P |
| 45.000 | 0.0000 | 0.0000 | 88.076 | 0.74972 | 0.00000 | 286378.1 | 207325.8 | 40212.2 | U/P |
| 45.008 | 0.0000 | 0.0000 | 88.074 | 0.74943 | 0.00000 | 286378.1 | 207348.3 | 40212.2 | U/P |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: Pond $4100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | inflow Rate <br> ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Outside Recharge (fl/day) | Stage Elevation (ft datum) | Infiltration Rate ( f / $/ \mathrm{s}$ ) | Oventow Discharge (filis) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{fl}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 45.017 | 0.0000 | 0.0000 | 88.073 | 0.74914 | 0.00000 | 286378.1 | 207370.8 | 40212.2 | U/P |
| 45.025 | 0.0000 | 0.0000 | 88.071 | 0.74885 | 0.00000 | 286378.1 | 207393.2 | 40212.2 | U/P |
| 45.033 | 0.0000 | 0.0000 | 88.069 | 0.74856 | 0.00000 | 286378.1 | 207415.7 | 40212.2 | U/P |
| 45.042 | 0.0000 | 0.0000 | 88.067 | 0.74827 | 0.00000 | 286378.1 | 207438.1 | 40212.2 | U/P |
| 45.050 | 0.0000 | 0.0000 | 88.066 | 0.74798 | 0.00000 | 286378.1 | 207460.6 | 40212.2 | /P |
| 45.058 | 0.0000 | 0.0000 | 88.064 | 0.74769 | 0.00000 | 286378.1 | 207483.0 | 40212.2 | U/P |
| 45.067 | 0.0000 | 0.0000 | 88.062 | 0.74740 | 0.00000 | 286378.1 | 207505.4 | 40212.2 | U/P |
| 45.075 | 0.0000 | 0.0000 | 88.060 | 0.74711 | 0.00000 | 286378.1 | 207527.8 | 40212.2 | U/P |
| 45.083 | 0.0000 | 0.0000 | 88.059 | 0.74682 | 0.00000 | 286378.1 | 207550.3 | 40212.2 | U/P |
| 45.092 | 0.0000 | 0.0000 | 88.057 | 0.74653 | 0.00000 | 286378.1 | 207572.7 | 40212.2 | U/P |
| 45.100 | 0.0000 | 0.0000 | 88.055 | 0.74624 | 0.00000 | 286378.1 | 207595.0 | 40212.2 | U/P |
| 45.108 | 0.0000 | 0.0000 | 88.053 | 0.74595 | 0.00000 | 286378.1 | 207617.4 | 40212.2 | U/P |
| 45.117 | 0.0000 | 0.0000 | 88.052 | 0.74566 | 0.00000 | 286378.1 | 207639.8 | 40212.2 | U/P |
| 45.125 | 0.0000 | 0.0000 | 88.050 | 0.74537 | 0.00000 | 286378.1 | 207662.2 | 40212.2 | U/P |
| 45.133 | 0.0000 | 0.0000 | 88.048 | 0.74508 | 0.00000 | 286378.1 | 207684.5 | 40212.2 | U/P |
| 45.142 | 0.0000 | 0.0000 | 88.047 | 0.74479 | 0.00000 | 286378.1 | 207706.9 | 40212.2 | U/P |
| 45.150 | 0.0000 | 0.0000 | 88.045 | 0.74450 | 0.00000 | 286378.1 | 207729.2 | 40212.2 | U/P |
| 45.158 | 0.0000 | 0.0000 | 88.043 | 0.74421 | 0.00000 | 286378.1 | 207751.5 | 40212.2 | U/P |
| 45.167 | 0.0000 | 0.0000 | 88.041 | 0.74391 | 0.00000 | 286378.1 | 207773.9 | 40212.2 | U/P |
| 45.175 | 0.0000 | 0.0000 | 88.040 | 0.74362 | 0.00000 | 286378.1 | 207796.2 | 40212.2 | U/P |
| 45.183 | 0.0000 | 0.0000 | 88.038 | 0.74333 | 0.00000 | 286378.1 | 207818.5 | 40212.2 | U/P |
| 45.192 | 0.0000 | 0.0000 | 88.036 | 0.74304 | 0.00000 | 286378.1 | 207840.8 | 40212.2 | U/P |
| 45.200 | 0.0000 | 0.0000 | 88.034 | 0.74275 | 0.00000 | 286378.1 | 207863.1 | 40212.2 | U/P |
| 45.208 | 0.0000 | 0.0000 | 88.033 | 0.74246 | 0.00000 | 286378.1 | 207885.3 | 40212.2 | U/P |
| 45.217 | 0.0000 | 0.0000 | 88.031 | 0.74217 | 0.00000 | 286378.1 | 207907.6 | 40212.2 | U/P |
| 45.225 | 0.0000 | 0.0000 | 88.029 | 0.74188 | 0.00000 | 286378.1 | 207929.9 | 40212.2 | U/P |
| 45.233 | 0.0000 | 0.0000 | 88.027 | 0.74159 | 0.00000 | 286378.1 | 207952.1 | 40212.2 | U/P |
| 45.242 | 0.0000 | 0.0000 | 88.026 | 0.74130 | 0.00000 | 286378.1 | 207974.4 | 40212.2 | U/P |
| 45.250 | 0.0000 | 0.0000 | 88.024 | 0.74101 | 0.00000 | 286378.1 | 207996.6 | 40212.2 | U/P |
| 45.258 | 0.0000 | 0.0000 | 88.022 | 0.74072 | 0.00000 | 286378.1 | 208018.8 | 40212.2 | U/P |
| 45.267 | 0.0000 | 0.0000 | 88.020 | 0.74043 | 0.00000 | 286378.1 | 208041.0 | 40212.2 | U/P |
| 45.275 | 0.0000 | 0.0000 | 88.019 | 0.74014 | 0.00000 | 286378.1 | 208063.3 | 40212.2 | U/P |
| 45.283 | 0.0000 | 0.0000 | 88.017 | 0.73985 | 0.00000 | 286378.1 | 208085.5 | 40212.2 | U/P |
| 45.292 | 0.0000 | 0.0000 | 88.015 | 0.73956 | 0.00000 | 286378.1 | 208107.7 | 40212.2 | U/P |
| 45.300 | 0.0000 | 0.0000 | 88.014 | 0.73927 | 0.00000 | 286378.1 | 208129.8 | 40212.2 | U/P |
| 45.308 | 0.0000 | 0.0000 | 88.012 | 0.73898 | 0.00000 | 286378.1 | 208152.0 | 40212.2 | U/P |
| 45.317 | 0.0000 | 0.0000 | 88.010 | 0.73869 | 0.00000 | 286378.1 | 208174.2 | 40212.2 | U/P |
| 45.325 | 0.0000 | 0.0000 | 88.008 | 0.73840 | 0.00000 | 286378.1 | 208196.3 | 40212.2 | U/P |
| 45.333 | 0.0000 | 0.0000 | 88.007 | 0.73811 | 0.00000 | 286378.1 | 208218.5 | 40212.2 | U/P |
| 45.342 | 0.0000 | 0.0000 | 88.005 | 0.73782 | 0.00000 | 286378.1 | 208240.6 | 40212.2 | U/P |
| 45.350 | 0.0000 | 0.0000 | 88.003 | 0.73753 | 0.00000 | 286378.1 | 208262.8 | 40212.2 | U/P |
| 45.358 | 0.0000 | 0.0000 | 88.001 | 0.73724 | 0.00000 | 286378.1 | 208284.9 | 40212.2 | U/P |
| 45.367 | 0.0000 | 0.0000 | 88.000 | 0.73695 | 0.00000 | 286378.1 | 208307.0 | 40212.2 | U/P |
| 45.375 | 0.0000 | 0.0000 | 87.998 | 0.73667 | 0.00000 | 286378.1 | 208329.1 | 40212.2 | U/P |
| 45.383 | 0.0000 | 0.0000 | 87.996 | 0.73639 | 0.00000 | 286378.1 | 208351.2 | 40212.2 | U/P |
| 45.392 | 0.0000 | 0.0000 | 87.994 | 0.73612 | 0.00000 | 286378.1 | 208373.3 | 40212.2 | U/P |
| 45.400 | 0.0000 | 0.0000 | 87.993 | 0.73584 | 0.00000 | 286378.1 | 208395.3 | 40212.2 | U/P |
| 45.408 | 0.0000 | 0.0000 | 87.991 | 0.73556 | 0.00000 | 286378.1 | 208417.4 | 40212.2 | U/P |
| 45.417 | 0.0000 | 0.0000 | 87.989 | 0.73529 | 0.00000 | 286378.1 | 208439.5 | 40212.2 | U/P |
| 45.425 | 0.0000 | 0.0000 | 87.987 | 0.73501 | 0.00000 | 286378.1 | 208461.5 | 40212.2 | U/P |
| 45.433 | 0.0000 | 0.0000 | 87.986 | 0.73474 | 0.00000 | 286378.1 | 208483.6 | 40212.2 | U/P |
| 45.442 | 0.0000 | 0.0000 | 87.984 | 0.73446 | 0.00000 | 286378.1 | 208505.6 | 40212.2 | U/P |
| 45.450 | 0.0000 | 0.0000 | 87.982 | 0.73418 | 0.00000 | 286378.1 | 208527.6 | 40212.2 | U/P |
| 45.458 | 0.0000 | 0.0000 | 87.981 | 0.73391 | 0.00000 | 286378.1 | 208549.7 | 40212.2 | U/P |
| 45.467 | 0.0000 | 0.0000 | 87.979 | 0.73363 | 0.00000 | 286378.1 | 208571.7 | 40212.2 | U/P |
| 45.475 | 0.0000 | 0.0000 | 87.977 | 0.73336 | 0.00000 | 286378.1 | 208593.7 | 40212.2 | U/P |
| 45.483 | 0.0000 | 0.0000 | 87.975 | 0.73308 | 0.00000 | 286378.1 | 208615.7 | 40212.2 | U/P |
| 45.492 | 0.0000 | 0.0000 | 87.974 | 0.73280 | 0.00000 | 286378.1 | 208637.7 | 40212.2 | U/P |
| 45.500 | 0.0000 | 0.0000 | 87.972 | 0.73253 | 0.00000 | 286378.1 | 208659.7 | 40212.2 | U/P |
| 45.508 | 0.0000 | 0.0000 | 87.970 | 0.73225 | 0.00000 | 286378.1 | 208681.6 | 40212.2 | U/P |
| 45.517 | 0.0000 | 0.0000 | 87.968 | 0.73198 | 0.00000 | 286378.1 | 208703.6 | 40212.2 | U/P |
| 45.525 | 0.0000 | 0.0000 | 87.967 | 0.73170 | 0.00000 | 286378.1 | 208725.5 | 40212.2 | U/P |
| 45.533 | 0.0000 | 0.0000 | 87.965 | 0.73142 | 0.00000 | 286378.1 | 208747.5 | 40212.2 | U/P |
| 45.542 | 0.0000 | 0.0000 | 87.963 | 0.73115 | 0.00000 | 286378.1 | 208769.4 | 40212.2 | U/P |
| 45.550 | 0.0000 | 0.0000 | 87.961 | 0.73087 | 0.00000 | 286378.1 | 208791.4 | 40212.2 | U/P |
| 45.558 | 0.0000 | 0.0000 | 87.960 | 0.73060 | 0.00000 | 286378.1 | 208813.3 | 40212.2 | U/P |
| 45.567 | 0.0000 | 0.0000 | 87.958 | 0.73032 | 0.00000 | 286378.1 | 208835.2 | 40212.2 | U/P |
| 45.575 | 0.0000 | 0.0000 | 87.956 | 0.73004 | 0.00000 | 286378.1 | 208857.1 | 40212.2 | U/P |
| 45.583 | 0.0000 | 0.0000 | 87.954 | 0.72977 | 0.00000 | 286378.1 | 208879.0 | 40212.2 | U/P |
| 45.592 | 0.0000 | 0.0000 | 87.953 | 0.72949 | 0.00000 | 286378.1 | 208900.9 | 40212.2 | U/P |
| 45.600 | 0.0000 | 0.0000 | 87.951 | 0.72922 | 0.00000 | 286378.1 | 208922.8 | 40212.2 | U/P |
| 45.608 | 0.0000 | 0.0000 | 87.949 | 0.72894 | 0.00000 | 286378.1 | 208944.6 | 40212.2 | U/P |
| 45.617 | 0.0000 | 0.0000 | 87.948 | 0.72866 | 0.00000 | 286378.1 | 208966.5 | 40212.2 | U/P |
| 45.625 | 0.0000 | 0.0000 | 87.946 | 0.72839 | 0.00000 | 286378.1 | 208988.4 | 40212.2 | U/P |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario $1::$ Pond $4100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 45.633 | 0.0000 | 0.0000 | 87.944 | 0.72811 | 0.00000 | 286378.1 | 209010.2 | 40212.2 | U/P |
| 45.642 | 0.0000 | 0.0000 | 87.942 | 0.72784 | 0.00000 | 286378.1 | 209032.0 | 40212.2 | U/P |
| 45.650 | 0.0000 | 0.0000 | 87.941 | 0.72756 | 0.00000 | 286378.1 | 209053.9 | 40212.2 | U/P |
| 45.658 | 0.0000 | 0.0000 | 87.939 | 0.72729 | 0.00000 | 286378.1 | 209075.7 | 40212.2 | U/P |
| 45.667 | 0.0000 | 0.0000 | 87.937 | 0.72701 | 0.00000 | 286378.1 | 209097.5 | 40212.2 | U/P |
| 45.675 | 0.0000 | 0.0000 | 87.935 | 0.72673 | 0.00000 | 286378.1 | 209119.3 | 40212.2 | U/P |
| 45.683 | 0.0000 | 0.0000 | 87.934 | 0.72646 | 0.00000 | 286378.1 | 209141.1 | 40212.2 | U/P |
| 45.682 | 0.0000 | 0.0000 | 87.932 | 0.72618 | 0.00000 | 286378.1 | 209162.9 | 40212.2 | U/P |
| 45.700 | 0.0000 | 0.0000 | 87.930 | 0.72591 | 0.00000 | 286378.1 | 209184.7 | 40212.2 | U/P |
| 45.708 | 0.0000 | 0.0000 | 87.928 | 0.72563 | 0.00000 | 286378.1 | 209206.5 | 40212.2 | U/P |
| 45.717 | 0.0000 | 0.0000 | 87.927 | 0.72535 | 0.00000 | 286378.1 | 209228.2 | 40212.2 | U/P |
| 45.725 | 0.0000 | 0.0000 | 87.925 | 0.72508 | 0.00000 | 286378.1 | 209250.0 | 40212.2 | U/P |
| 45.733 | 0.0000 | 0.0000 | 87.923 | 0.72480 | 0.00000 | 286378.1 | 209271.7 | 40212.2 | U/P |
| 45.742 | 0.0000 | 0.0000 | 87.921 | 0.72453 | 0.00000 | 286378.1 | 209293.5 | 40212.2 | U/P |
| 45.750 | 0.0000 | 0.0000 | 87.920 | 0.72425 | 0.00000 | 286378.1 | 209315.2 | 40212.2 | U/P |
| 45.758 | 0.0000 | 0.0000 | 87.918 | 0.72397 | 0.00000 | 286378.1 | 209336.9 | 40212.2 | U/P |
| 45.767 | 0.0000 | 0.0000 | 87.916 | 0.72370 | 0.00000 | 286378.1 | 209358.6 | 40212.2 | U/P |
| 45.775 | 0.0000 | 0.0000 | 87.915 | 0.72342 | 0.00000 | 286378.1 | 209380.3 | 40212.2 | U/P |
| 45.783 | 0.0000 | 0.0000 | 87.913 | 0.72315 | 0.00000 | 286378.1 | 209402.0 | 40212.2 | U/P |
| 45.792 | 0.0000 | 0.0000 | 87.911 | 0.72287 | 0.00000 | 286378.1 | 209423.7 | 40212.2 | U/P |
| 45.800 | 0.0000 | 0.0000 | 87.909 | 0.72259 | 0.00000 | 286378.1 | 209445.4 | 40212.2 | U/P |
| 45.808 | 0.0000 | 0.0000 | 87.908 | 0.72232 | 0.00000 | 286378.1 | 209467.1 | 40212.2 | U/P |
| 45.817 | 0.0000 | 0.0000 | 87.906 | 0.72204 | 0.00000 | 286378.1 | 209488.8 | 40212.2 | U/P |
| 45.825 | 0.0000 | 0.0000 | 87.904 | 0.72177 | 0.00000 | 286378.1 | 209510.4 | 40212.2 | U/P |
| 45.833 | 0.0000 | 0.0000 | 87.902 | 0.72149 | 0.00000 | 286378.1 | 209532.1 | 40212.2 | U/P |
| 45.842 | 0.0000 | 0.0000 | 87.901 | 0.72121 | 0.00000 | 286378.1 | 209553.7 | 40212.2 | U/P |
| 45.850 | 0.0000 | 0.0000 | 87.899 | 0.72094 | 0.00000 | 286378.1 | 209575.3 | 40212.2 | U/P |
| 45.858 | 0.0000 | 0.0000 | 87.897 | 0.72066 | 0.00000 | 286378.1 | 209597.0 | 40212.2 | U/P |
| 45.867 | 0.0000 | 0.0000 | 87.895 | 0.72039 | 0.00000 | 286378.1 | 209618.6 | 40212.2 | U/P |
| 45,875 | 0.0000 | 0.0000 | 87.894 | 0.72011 | 0.00000 | 286378.1 | 209640.2 | 40212.2 | U/P |
| 45.883 | 0.0000 | 0.0000 | 87.892 | 0.71983 | 0.00000 | 286378.1 | 209661.8 | 40212.2 | U/P |
| 45.892 | 0.0000 | 0.0000 | 87.890 | 0.71956 | 0.00000 | 286378.1 | 209683.4 | 40212.2 | U/P |
| 45.900 | 0.0000 | 0.0000 | 87.889 | 0.71928 | 0.00000 | 286378.1 | 209705.0 | 40212.2 | U/P |
| 45.908 | 0.0000 | 0.0000 | 87.887 | 0.71901 | 0.00000 | 286378.1 | 209726.5 | 40212.2 | U/P |
| 45.917 | 0.0000 | 0.0000 | 87.885 | 0.71873 | 0.00000 | 286378.1 | 209748.1 | 40212.2 | U/P |
| 45.925 | 0.0000 | 0.0000 | 87.883 | 0.71846 | 0.00000 | 286378.1 | 209769.7 | 40212.2 | U/P |
| 45.933 | 0.0000 | 0.0000 | 87.882 | 0.71818 | 0.00000 | 286378.1 | 209791.2 | 40212.2 | U/P |
| 45.942 | 0.0000 | 0.0000 | 87.880 | 0.71790 | 0.00000 | 286378.1 | 209812.8 | 40212.2 | U/P |
| 45.950 | 0.0000 | 0.0000 | 87.878 | 0.71763 | 0.00000 | 286378.1 | 209834.3 | 40212.2 | U/P |
| 45.958 | 0.0000 | 0.0000 | 87.876 | 0.71735 | 0.00000 | 286378.1 | 209855.8 | 40212.2 | U/P |
| 45.967 | 0.0000 | 0.0000 | 87.875 | 0.71708 | 0.00000 | 286378.1 | 209877.3 | 40212.2 | U/P |
| 45.975 | 0.0000 | 0.0000 | 87.873 | 0.71680 | 0.00000 | 286378.1 | 209898.8 | 40212.2 | U/P |
| 45.983 | 0.0000 | 0.0000 | 87.871 | 0.71652 | 0.00000 | 286378.1 | 209920.3 | 40212.2 | U/P |
| 45.992 | 0.0000 | 0.0000 | 87.869 | 0.71625 | 0.00000 | 286378.1 | 209941.8 | 40212.2 | U/P |
| 46.000 | 0.0000 | 0.0000 | 87.868 | 0.71597 | 0.00000 | 286378.1 | 209963.3 | 40212.2 | U/P |
| 46.008 | 0.0000 | 0.0000 | 87.866 | 0.71570 | 0.00000 | 286378.1 | 209984.8 | 40212.2 | U/P |
| 46.017 | 0.0000 | 0.0000 | 87.864 | 0.71542 | 0.00000 | 286378.1 | 210006.3 | 40212.2 | U/P |
| 46.025 | 0.0000 | 0.0000 | 87.862 | 0.71514 | 0.00000 | 286378.1 | 210027.7 | 40212.2 | U/P |
| 46.033 | 0.0000 | 0.0000 | 87.861 | 0.71487 | 0.00000 | 286378.1 | 210049.2 | 40212.2 | U/P |
| 46.042 | 0.0000 | 0.0000 | 87.859 | 0.71459 | 0.00000 | 286378.1 | 210070.6 | 40212.2 | U/P |
| 46.050 | 0.0000 | 0.0000 | 87.857 | 0.71432 | 0.00000 | 286378.1 | 210092.0 | 40212.2 | U/P |
| 46.058 | 0.0000 | 0.0000 | 87.856 | 0.71404 | 0.00000 | 286378.1 | 210113.5 | 40212.2 | U/P |
| 46.067 | 0.0000 | 0.0000 | 87.854 | 0.71376 | 0.00000 | 286378.1 | 210134.9 | 40212.2 | U/P |
| 46.075 | 0.0000 | 0.0000 | 87.852 | 0.71349 | 0.00000 | 286378.1 | 210156.3 | 40212.2 | U/P |
| 46.083 | 0.0000 | 0.0000 | 87.850 | 0.71321 | 0.00000 | 286378.1 | 210177.7 | 40212.2 | U/P |
| 46.092 | 0.0000 | 0.0000 | 87.849 | 0.71294 | 0.00000 | 286378.1 | 210199.1 | 40212.2 | U/P |
| 46.100 | 0.0000 | 0.0000 | 87.847 | 0.71266 | 0.00000 | 286378.1 | 210220.5 | 40212.2 | U/P |
| 46.108 | 0.0000 | 0.0000 | 87.845 | 0.71238 | 0.00000 | 286378.1 | 210241.8 | 40212.2 | U/P |
| 46.117 | 0.0000 | 0.0000 | 87.843 | 0.71211 | 0.00000 | 286378.1 | 210263.2 | 40212.2 | U/P |
| 46.125 | 0.0000 | 0.0000 | 87.842 | 0.71183 | 0.00000 | 286378.1 | 210284.6 | 40212.2 | U/P |
| 46.133 | 0.0000 | 0.0000 | 87.840 | 0.71156 | 0.00000 | 286378.1 | 210305.9 | 40212.2 | U/P |
| 46.142 | 0.0000 | 0.0000 | 87.838 | 0.71128 | 0.00000 | 286378.1 | 210327.3 | 40212.2 | U/P |
| 46.150 | 0.0000 | 0.0000 | 87.836 | 0.71100 | 0.00000 | 286378.1 | 210348.6 | 40212.2 | U/P |
| 46.158 | 0.0000 | 0.0000 | 87.835 | 0.71073 | 0.00000 | 286378.1 | 210369.9 | 40212.2 | U/P |
| 46.167 | 0.0000 | 0.0000 | 87.833 | 0.71045 | 0.00000 | 286378.1 | 210391.2 | 40212.2 | U/P |
| 46.175 | 0.0000 | 0.0000 | 87.831 | 0.71018 | 0.00000 | 286378.1 | 210412.5 | 40212.2 | U/P |
| 46.183 | 0.0000 | 0.0000 | 87.829 | 0.70990 | 0.00000 | 286378.1 | 210433.8 | 40212.2 | U/P |
| 46.192 | 0.0000 | 0.0000 | 87.828 | 0.70962 | 0.00000 | 286378.1 | 210455.1 | 40212.2 | U/P |
| 46.200 | 0.0000 | 0.0000 | 87.826 | 0.70935 | 0.00000 | 286378.1 | 210476.4 | 40212.2 | U/P |
| 46.208 | 0.0000 | 0.0000 | 87.824 | 0.70907 | 0.00000 | 286378.1 | 210497.7 | 40212.2 | U/P |
| 46.217 | 0.0000 | 0.0000 | 87.823 | 0.70880 | 0.00000 | 286378.1 | 210519.0 | 40212.2 | U/P |
| 46.225 | 0.0000 | 0.0000 | 87.821 | 0.70852 | 0.00000 | 286378.1 | 210540.2 | 40212.2 | U/P |
| 46.233 | 0.0000 | 0.0000 | 87.819 | 0.70825 | 0.00000 | 286378.1 | 210561.5 | 40212.2 | U/P |
| 46.242 | 0.0000 | 0.0000 | 87.817 | 0.70797 | 0.00000 | 286378.1 | 210582.7 | 40212.2 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 4100 yr/24 hr

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f} 3 / \mathrm{s}$ ) | Cumulative inflow Volume (fis) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 46.250 | 0.0000 | 0.0000 | 87.816 | 0.70769 | 0.00000 | 286378.1 | 210604.0 | 40212.2 | U/P |
| 46.258 | 0.0000 | 0.0000 | 87.814 | 0.70742 | 0.00000 | 286378.1 | 210625.2 | 40212.2 | U/P |
| 46.267 | 0.0000 | 0.0000 | 87.812 | 0.70714 | 0.00000 | 286378.1 | 210646.4 | 40212.2 | U/P |
| 46.275 | 0.0000 | 0.0000 | 87.810 | 0.70687 | 0.00000 | 286378.1 | 210667.6 | 40212.2 | U/P |
| 46.283 | 0.0000 | 0.0000 | 87.809 | 0.70659 | 0.00000 | 286378.1 | 210688.8 | 40212.2 | U/P |
| 46.292 | 0.0000 | 0.0000 | 87.807 | 0.70631 | 0.00000 | 286378.1 | 210710.0 | 40212.2 | U/P |
| 46.300 | 0.0000 | 0.0000 | 87.805 | 0.70604 | 0.00000 | 286378.1 | 210731.2 | 40212.2 | U/P |
| 46.308 | 0.0000 | 0.0000 | 87.803 | 0.70576 | 0.00000 | 286378.1 | 210752.4 | 40212.2 | U/P |
| 46.317 | 0.0000 | 0.0000 | 87.802 | 0.70549 | 0.00000 | 286378.1 | 210773.5 | 40212.2 | U/P |
| 46.325 | 0.0000 | 0.0000 | 87.800 | 0.70521 | 0.00000 | 286378.1 | 210794.7 | 40212.2 | U/P |
| 46.333 | 0.0000 | 0.0000 | 87.798 | 0.70493 | 0.00000 | 286378.1 | 210815.8 | 40212.2 | U/P |
| 46.342 | 0.0000 | 0.0000 | 87.796 | 0.70466 | 0.00000 | 286378.1 | 210837.0 | 40212.2 | U/P |
| 46.350 | 0.0000 | 0.0000 | 87.795 | 0.70438 | 0.00000 | 286378.1 | 210858.1 | 40212.2 | U/P |
| 46.358 | 0.0000 | 0.0000 | 87.793 | 0.70411 | 0.00000 | 286378.1 | 210879.3 | 40212.2 | U/P |
| 46.367 | 0.0000 | 0.0000 | 87.791 | 0.70383 | 0.00000 | 286378.1 | 210900.4 | 40212.2 | U/P |
| 46.375 | 0.0000 | 0.0000 | 87.790 | 0.70355 | 0.00000 | 286378.1 | 210921.5 | 40212.2 | U/P |
| 46.383 | 0.0000 | 0.0000 | 87.788 | 0.70328 | 0.00000 | 286378.1 | 210942.6 | 40212.2 | U/P |
| 46.392 | 0.0000 | 0.0000 | 87.786 | 0.70300 | 0.00000 | 286378.1 | 210963.7 | 40212.2 | U/P |
| 46.400 | 0.0000 | 0.0000 | 87.784 | 0.70273 | 0.00000 | 286378.1 | 210984.8 | 40212.2 | U/P |
| 46.408 | 0.0000 | 0.0000 | 87.783 | 0.70245 | 0.00000 | 286378.1 | 211005.8 | 40212.2 | U/P |
| 46.417 | 0.0000 | 0.0000 | 87.781 | 0.70217 | 0.00000 | 286378.1 | 211026.9 | 40212.2 | U/P |
| 46.425 | 0.0000 | 0.0000 | 87.779 | 0.70190 | 0.00000 | 286378.1 | 211048.0 | 40212.2 | U/P |
| 46.433 | 0.0000 | 0.0000 | 87.777 | 0.70162 | 0.00000 | 286378.1 | 211069.0 | 40212.2 | U/P |
| 46.442 | 0.0000 | 0.0000 | 87.776 | 0.70135 | 0.00000 | 286378.1 | 211090.1 | 40212.2 | U/P |
| 46.450 | 0.0000 | 0.0000 | 87.774 | 0.70107 | 0.00000 | 286378.1 | 211111.1 | 40212.2 | U/P |
| 46.458 | 0.0000 | 0.0000 | 87.772 | 0.70079 | 0.00000 | 286378.1 | 211132.1 | 40212.2 | U/P |
| 46.467 | 0.0000 | 0.0000 | 87.770 | 0.70052 | 0.00000 | 286378.1 | 211153.2 | 40212.2 | U/P |
| 46.475 | 0.0000 | 0.0000 | 87.769 | 0.70024 | 0.00000 | 286378.1 | 211174.2 | 40212.2 | U/P |
| 46.483 | 0.0000 | 0.0000 | 87.767 | 0.69997 | 0.00000 | 286378.1 | 211195.2 | 40212.2 | U/P |
| 46.492 | 0.0000 | 0.0000 | 87.765 | 0.69969 | 0.00000 | 286378.1 | 211216.2 | 40212.2 | U/P |
| 46.500 | 0.0000 | 0.0000 | 87.763 | 0.69942 | 0.00000 | 286378.1 | 211237.1 | 40212.2 | U/P |
| 46.508 | 0.0000 | 0.0000 | 87.762 | 0.69914 | 0.00000 | 286378.1 | 211258.1 | 40212.2 | U/P |
| 46.517 | 0.0000 | 0.0000 | 87.760 | 0.69886 | 0.00000 | 286378.1 | 211279.1 | 40212.2 | U/P |
| 46.525 | 0.0000 | 0.0000 | 87.758 | 0.69859 | 0.00000 | 286378.1 | 211300.1 | 40212.2 | U/P |
| 46.533 | 0.0000 | 0.0000 | 87.757 | 0.69831 | 0.00000 | 286378.1 | 211321.0 | 40212.2 | U/P |
| 46.542 | 0.0000 | 0.0000 | 87.755 | 0.69804 | 0.00000 | 286378.1 | 211342.0 | 40212.2 | U/P |
| 46.550 | 0.0000 | 0.0000 | 87.753 | 0.69776 | 0.00000 | 286378.1 | 211362.9 | 40212.2 | U/P |
| 46.558 | 0.0000 | 0.0000 | 87.751 | 0.69748 | 0.00000 | 286378.1 | 211383.8 | 40212.2 | U/P |
| 46.567 | 0.0000 | 0.0000 | 87.750 | 0.69721 | 0.00000 | 286378.1 | 211404.8 | 40212.2 | U/P |
| 46.575 | 0.0000 | 0.0000 | 87.748 | 0.69693 | 0.00000 | 286378.1 | 211425.7 | 40212.2 | U/P |
| 46.583 | 0.0000 | 0.0000 | 87.746 | 0.69666 | 0.00000 | 286378.1 | 211446.6 | 40212.2 | U/P |
| 46.592 | 0.0000 | 0.0000 | 87.744 | 0.69638 | 0.00000 | 286378.1 | 211467.5 | 40212.2 | U/P |
| 46.600 | 0.0000 | 0.0000 | 87.743 | 0.69610 | 0.00000 | 286378.1 | 211488.3 | 40212.2 | U/P |
| 46.608 | 0.0000 | 0.0000 | 87.741 | 0.69583 | 0.00000 | 286378.1 | 211509.2 | 40212.2 | U/P |
| 46.617 | 0.0000 | 0.0000 | 87.739 | 0.69555 | 0.00000 | 286378.1 | 211530.1 | 40212.2 | U/P |
| 46.625 | 0.0000 | 0.0000 | 87.737 | 0.69528 | 0.00000 | 286378.1 | 211551.0 | 40212.2 | U/P |
| 46.633 | 0.0000 | 0.0000 | 87.736 | 0.69500 | 0.00000 | 286378.1 | 211571.8 | 40212.2 | U/P |
| 46.642 | 0.0000 | 0.0000 | 87.734 | 0.69472 | 0.00000 | 286378.1 | 211592.7 | 40212.2 | U/P |
| 46.650 | 0.0000 | 0.0000 | 87.732 | 0.69445 | 0.00000 | 286378.1 | 211613.5 | 40212.2 | U/P |
| 46.658 | 0.0000 | 0.0000 | 87.730 | 0.69417 | 0.00000 | 286378.1 | 211634.3 | 40212.2 | U/P |
| 46.667 | 0.0000 | 0.0000 | 87.729 | 0.69390 | 0.00000 | 286378.1 | 211655.1 | 40212.2 | U/P |
| 46.675 | 0.0000 | 0.0000 | 87.727 | 0.69362 | 0.00000 | 286378.1 | 211676.0 | 40212.2 | U/P |
| 46.683 | 0.0000 | 0.0000 | 87.725 | 0.69334 | 0.00000 | 286378.1 | 211696.8 | 40212.2 | U/P |
| 46.692 | 0.0000 | 0.0000 | 87.724 | 0.69307 | 0.00000 | 286378.1 | 211717.6 | 40212.2 | U/P |
| 46.700 | 0.0000 | 0.0000 | 87.722 | 0.69279 | 0.00000 | 286378.1 | 211738.3 | 40212.2 | U/P |
| 46.708 | 0.0000 | 0.0000 | 87.720 | 0.69252 | 0.00000 | 286378.1 | 211759.1 | 40212.2 | U/P |
| 46.717 | 0.0000 | 0.0000 | 87.718 | 0.69224 | 0.00000 | 286378.1 | 211779.9 | 40212.2 | U/P |
| 46.725 | 0.0000 | 0.0000 | 87.717 | 0.69196 | 0.00000 | 286378.1 | 211800.7 | 40212.2 | U/P |
| 46.733 | 0.0000 | 0.0000 | 87.715 | 0.69169 | 0.00000 | 286378.1 | 211821.4 | 40212.2 | U/P |
| 46.742 | 0.0000 | 0.0000 | 87.713 | 0.69141 | 0.00000 | 286378.1 | 211842.2 | 40212.2 | U/P |
| 46.750 | 0.0000 | 0.0000 | 87.711 | 0.69114 | 0.00000 | 286378.1 | 211862.9 | 40212.2 | U/P |
| 46.758 | 0.0000 | 0.0000 | 87.710 | 0.69086 | 0.00000 | 286378.1 | 211883.6 | 40212.2 | U/P |
| 46.767 | 0.0000 | 0.0000 | 87.708 | 0.69058 | 0.00000 | 286378.1 | 211904.3 | 40212.2 | U/P |
| 46.775 | 0.0000 | 0.0000 | 87.706 | 0.69031 | 0.00000 | 286378.1 | 211925.1 | 40212.2 | U/P |
| 46.783 | 0.0000 | 0.0000 | 87.704 | 0.69003 | 0.00000 | 286378.1 | 211945.8 | 40212.2 | U/P |
| 46.792 | 0.0000 | 0.0000 | 87.703 | 0.68976 | 0.00000 | 286378.1 | 211966.5 | 40212.2 | U/P |
| 46.800 | 0.0000 | 0.0000 | 87.701 | 0.68948 | 0.00000 | 286378.1 | 211987.2 | 40212.2 | U/P |
| 46.808 | 0.0000 | 0.0000 | 87.699 | 0.68921 | 0.00000 | 286378.1 | 212007.8 | 40212.2 | U/P |
| 46.817 | 0.0000 | 0.0000 | 87.697 | 0.68893 | 0.00000 | 286378.1 | 212028.5 | 40212.2 | U/P |
| 46.825 | 0.0000 | 0.0000 | 87.696 | 0.68865 | 0.00000 | 286378.1 | 212049.2 | 40212.2 | U/P |
| 46.833 | 0.0000 | 0.0000 | 87.694 | 0.68838 | 0.00000 | 286378.1 | 212069.8 | 40212.2 | U/P |
| 46.842 | 0.0000 | 0.0000 | 87.692 | 0.68810 | 0.00000 | 286378.1 | 212090.5 | 40212.2 | U/P |
| 46.850 | 0.0000 | 0.0000 | 87.691 | 0.68783 | 0.00000 | 286378.1 | 212111.1 | 40212.2 | U/P |
| 46.858 | 0.0000 | 0.0000 | 87.689 | 0.68755 | 0.00000 | 286378.1 | 212131.7 | 40212.2 | U/P |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: Pond $4100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (fl datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{n}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{fl}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 46.867 | 0.0000 | 0.0000 | 87.687 | 0.68727 | 0.00000 | 286378.1 | 212152.4 | 40212.2 | U/P |
| 46.875 | 0.0000 | 0.0000 | 87.685 | 0.68700 | 0.00000 | 286378.1 | 212173.0 | 40212.2 | U/P |
| 46.883 | 0.0000 | 0.0000 | 87.684 | 0.68672 | 0.00000 | 286378.1 | 212193.6 | 40212.2 | U/P |
| 46.892 | 0.0000 | 0.0000 | 87.682 | 0.68645 | 0.00000 | 286378.1 | 212214.2 | 40212.2 | U/P |
| 46.900 | 0.0000 | 0.0000 | 87.680 | 0.68617 | 0.00000 | 286378.1 | 212234.8 | 40212.2 | U/P |
| 46.908 | 0.0000 | 0.0000 | 87.678 | 0.68589 | 0.00000 | 286378.1 | 212255.3 | 40212.2 | U/P |
| 46.917 | 0.0000 | 0.0000 | 87.677 | 0.68562 | 0.00000 | 286378.1 | 212275.9 | 40212.2 | U/P |
| 46.925 | 0.0000 | 0.0000 | 87.675 | 0.68534 | 0.00000 | 286378.1 | 212296.5 | 40212.2 | U/P |
| 46.933 | 0.0000 | 0.0000 | 87.673 | 0.68507 | 0.00000 | 286378.1 | 212317.0 | 40212.2 | U/P |
| 46.942 | 0.0000 | 0.0000 | 87.671 | 0.68479 | 0.00000 | 286378.1 | 212337.6 | 40212.2 | U/P |
| 46.950 | 0.0000 | 0.0000 | 87.670 | 0.68451 | 0.00000 | 286378.1 | 212358.1 | 40212.2 | U/P |
| 46.958 | 0.0000 | 0.0000 | 87.668 | 0.68424 | 0.00000 | 286378.1 | 212378.7 | 40212.2 | U/P |
| 46.967 | 0.0000 | 0.0000 | 87.666 | 0.68396 | 0.00000 | 286378.1 | 212399.2 | 40212.2 | U/P |
| 46.975 | 0.0000 | 0.0000 | 87.665 | 0.68369 | 0.00000 | 286378.1 | 212419.7 | 40212.2 | U/P |
| 46.983 | 0.0000 | 0.0000 | 87.663 | 0.68341 | 0.00000 | 286378.1 | 212440.2 | 40212.2 | U/P |
| 46.992 | 0.0000 | 0.0000 | 87.661 | 0.68313 | 0.00000 | 286378.1 | 212460.7 | 40212.2 | U/P |
| 47.000 | 0.0000 | 0.0000 | 87.659 | 0.68286 | 0.00000 | 286378.1 | 212481.2 | 40212.2 | U/P |
| 47.008 | 0.0000 | 0.0000 | 87.658 | 0.68258 | 0.00000 | 286378.1 | 212501.7 | 40212.2 | U/P |
| 47.017 | 0.0000 | 0.0000 | 87.656 | 0.68231 | 0.00000 | 286378.1 | 212522.2 | 40212.2 | U/P |
| 47.025 | 0.0000 | 0.0000 | 87.654 | 0.68203 | 0.00000 | 286378.1 | 212542.6 | 40212.2 | U/P |
| 47.033 | 0.0000 | 0.0000 | 87.652 | 0.68175 | 0.00000 | 286378.1 | 212563.1 | 40212.2 | U/P |
| 47.042 | 0.0000 | 0.0000 | 87.651 | 0.68148 | 0.00000 | 286378.1 | 212583.5 | 40212.2 | U/P |
| 47.050 | 0.0000 | 0.0000 | 87.649 | 0.68120 | 0.00000 | 286378.1 | 212604.0 | 40212.2 | U/P |
| 47.058 | 0.0000 | 0.0000 | 87.647 | 0.68093 | 0.00000 | 286378.1 | 212624.4 | 40212.2 | U/P |
| 47.067 | 0.0000 | 0.0000 | 87.645 | 0.68065 | 0.00000 | 286378.1 | 212644.8 | 40212.2 | U/P |
| 47.075 | 0.0000 | 0.0000 | 87.644 | 0.68037 | 0.00000 | 286378.1 | 212665.2 | 40212.2 | U/P |
| 47.083 | 0.0000 | 0.0000 | 87.642 | 0.68010 | 0.00000 | 286378.1 | 212685.6 | 40212.2 | U/P |
| 47.092 | 0.0000 | 0.0000 | 87.640 | 0.67982 | 0.00000 | 286378.1 | 212706.0 | 40212.2 | U/P |
| 47.100 | 0.0000 | 0.0000 | 87.638 | 0.67955 | 0.00000 | 286378.1 | 212726.4 | 40212.2 | U/P |
| 47.108 | 0.0000 | 0.0000 | 87.637 | 0.67927 | 0.00000 | 286378.1 | 212746.8 | 40212.2 | U/P |
| 47.117 | 0.0000 | 0.0000 | 87.635 | 0.67900 | 0.00000 | 286378.1 | 212767.2 | 40212.2 | U/P |
| 47.125 | 0.0000 | 0.0000 | 87.633 | 0.67872 | 0.00000 | 286378.1 | 212787.5 | 40212.2 | U/P |
| 47.133 | 0.0000 | 0.0000 | 87.632 | 0.67844 | 0.00000 | 286378.1 | 212807.9 | 40212.2 | U/P |
| 47.142 | 0.0000 | 0.0000 | 87.630 | 0.67817 | 0.00000 | 286378.1 | 212828.3 | 40212.2 | U/P |
| 47.150 | 0.0000 | 0.0000 | 87.628 | 0.67789 | 0.00000 | 286378.1 | 212848.6 | 40212.2 | U/P |
| 47.158 | 0.0000 | 0.0000 | 87.626 | 0.67762 | 0.00000 | 286378.1 | 212868.9 | 40212,2 | U/P |
| 47.167 | 0.0000 | 0.0000 | 87.625 | 0.67734 | 0.00000 | 286378.1 | 212889.3 | 40212.2 | U/P |
| 47.175 | 0.0000 | 0.0000 | 87.623 | 0.67706 | 0.00000 | 286378.1 | 212909.6 | 40212.2 | U/P |
| 47.183 | 0.0000 | 0.0000 | 87.621 | 0.67679 | 0.00000 | 286378.1 | 212929.9 | 40212.2 | U/P |
| 47.192 | 0.0000 | 0.0000 | 87.619 | 0.67651 | 0.00000 | 286378.1 | 212950.2 | 40212.2 | U/P |
| 47.200 | 0.0000 | 0.0000 | 87.618 | 0.67624 | 0.00000 | 286378.1 | 212970.5 | 40212.2 | U/P |
| 47.208 | 0.0000 | 0.0000 | 87.616 | 0.67596 | 0.00000 | 286378.1 | 212990.8 | 40212.2 | U/P |
| 47.217 | 0.0000 | 0.0000 | 87.614 | 0.67568 | 0.00000 | 286378.1 | 213011.0 | 40212.2 | U/P |
| 47.225 | 0.0000 | 0.0000 | 87.612 | 0.67541 | 0.00000 | 286378.1 | 213031.3 | 40212.2 | U/P |
| 47.233 | 0.0000 | 0.0000 | 87.611 | 0.67513 | 0.00000 | 286378.1 | 213051.5 | 40212.2 | U/P |
| 47.242 | 0.0000 | 0.0000 | 87.609 | 0.67486 | 0.00000 | 286378.1 | 213071.8 | 40212.2 | U/P |
| 47.250 | 0.0000 | 0.0000 | 87.607 | 0.67458 | 0.00000 | 286378.1 | 213092.0 | 40212.2 | U/P |
| 47.258 | 0.0000 | 0.0000 | 87.605 | 0.67430 | 0.00000 | 286378.1 | 213112.3 | 40212.2 | U/P |
| 47.267 | 0.0000 | 0.0000 | 87.604 | 0.67403 | 0.00000 | 286378.1 | 213132.5 | 40212.2 | U/P |
| 47.275 | 0.0000 | 0.0000 | 87.602 | 0.67375 | 0.00000 | 286378.1 | 213152.7 | 40212.2 | U/P |
| 47.283 | 0.0000 | 0.0000 | 87.600 | 0.67348 | 0.00000 | 286378.1 | 213172.9 | 40212.2 | U/P |
| 47.292 | 0.0000 | 0.0000 | 87.599 | 0.67320 | 0.00000 | 286378.1 | 213193.1 | 40212.2 | U/P |
| 47.300 | 0.0000 | 0.0000 | 87.597 | 0.67292 | 0.00000 | 286378.1 | 213213.3 | 40212.2 | U/P |
| 47.308 | 0.0000 | 0.0000 | 87.595 | 0.67265 | 0.00000 | 286378.1 | 213233.5 | 40212.2 | U/P |
| 47.317 | 0.0000 | 0.0000 | 87.593 | 0.67237 | 0.00000 | 286378.1 | 213253.7 | 40212.2 | U/P |
| 47.325 | 0.0000 | 0.0000 | 87.592 | 0.67210 | 0.00000 | 286378.1 | 213273.8 | 40212.2 | U/P |
| 47.333 | 0.0000 | 0.0000 | 87.590 | 0.67182 | 0.00000 | 286378.1 | 213294.0 | 40212.2 | U/P |
| 47.342 | 0.0000 | 0.0000 | 87.588 | 0.67154 | 0.00000 | 286378.1 | 213314.2 | 40212.2 | U/P |
| 47.350 | 0.0000 | 0.0000 | 87.586 | 0.67127 | 0.00000 | 286378.1 | 213334.3 | 40212.2 | U/P |
| 47.358 | 0.0000 | 0.0000 | 87.585 | 0.67099 | 0.00000 | 286378.1 | 213354.4 | 40212.2 | U/P |
| 47.367 | 0.0000 | 0.0000 | 87.583 | 0.67072 | 0.00000 | 286378.1 | 213374.5 | 40212.2 | U/P |
| 47.375 | 0.0000 | 0.0000 | 87.581 | 0.67044 | 0.00000 | 286378.1 | 213394.7 | 40212.2 | U/P |
| 47.383 | 0.0000 | 0.0000 | 87.579 | 0.67016 | 0.00000 | 286378.1 | 213414.8 | 40212.2 | U/P |
| 47.392 | 0.0000 | 0.0000 | 87.578 | 0.66989 | 0.00000 | 286378.1 | 213434.9 | 40212.2 | U/P |
| 47.400 | 0.0000 | 0.0000 | 87.576 | 0.66961 | 0.00000 | 286378.1 | 213455.0 | 40212.2 | U/P |
| 47.408 | 0.0000 | 0.0000 | 87.574 | 0.66934 | 0.00000 | 286378.1 | 213475.1 | 40212.2 | U/P |
| 47.417 | 0.0000 | 0.0000 | 87.572 | 0.66906 | 0.00000 | 286378.1 | 213495.1 | 40212.2 | U/P |
| 47.425 | 0.0000 | 0.0000 | 87.571 | 0.66879 | 0.00000 | 286378.1 | 213515.2 | 40212.2 | U/P |
| 47.433 | 0.0000 | 0.0000 | 87.569 | 0.66851 | 0.00000 | 286378.1 | 213535.3 | 40212.2 | U/P |
| 47.442 | 0.0000 | 0.0000 | 87.567 | 0.66823 | 0.00000 | 286378.1 | 213555.3 | 40212.2 | U/P |
| 47.450 | 0.0000 | 0.0000 | 87.566 | 0.66796 | 0.00000 | 286378.1 | 213575.4 | 40212.2 | U/P |
| 47.458 | 0.0000 | 0.0000 | 87.564 | 0.66768 | 0.00000 | 286378.1 | 213595.4 | 40212.2 | U/P |
| 47.467 | 0.0000 | 0.0000 | 87.562 | 0.66741 | 0.00000 | 286378.1 | 213615.4 | 40212.2 | U/P |
| 47.475 | 0.0000 | 0.0000 | 87.560 | 0.66713 | 0.00000 | 286378.1 | 213635.4 | 40212.2 | U/P |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: Pond 4100 yr/24 hr

| Elapsed Time (hours) | Inflow Rate (f13/s) | Outside Recharge (ffday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 47.483 | 0.0000 | 0.0000 | 87.559 | 0.66685 | 0.00000 | 286378.1 | 213655.4 | 40212.2 | U/P |
| 47.492 | 0.0000 | 0.0000 | 87.557 | 0.66658 | 0.00000 | 286378.1 | 213675.4 | 40212.2 | U/P |
| 47.500 | 0.0000 | 0.0000 | 87.555 | 0.66630 | 0.00000 | 286378.1 | 213695.4 | 40212.2 | U/P |
| 47.508 | 0.0000 | 0.0000 | 87.553 | 0.66603 | 0.00000 | 286378.1 | 213715.4 | 40212.2 | U/P |
| 47.517 | 0.0000 | 0.0000 | 87.552 | 0.66575 | 0.00000 | 286378.1 | 213735.4 | 40212.2 | U/P |
| 47.525 | 0.0000 | 0.0000 | 87.550 | 0.66547 | 0.00000 | 286378.1 | 213755.4 | 40212.2 | U/P |
| 47.533 | 0.0000 | 0.0000 | 87.548 | 0.66520 | 0.00000 | 286378.1 | 213775.3 | 40212.2 | U/P |
| 47.542 | 0.0000 | 0.0000 | 87.546 | 0.66482 | 0.00000 | 286378.1 | 213795.3 | 40212.2 | U/P |
| 47.550 | 0.0000 | 0.0000 | 87.545 | 0.66465 | 0.00000 | 286378.1 | 213815.2 | 40212.2 | U/P |
| 47.558 | 0.0000 | 0.0000 | 87.543 | 0.66437 | 0.00000 | 286378.1 | 213835.2 | 40212.2 | U/P |
| 47.567 | 0.0000 | 0.0000 | 87.541 | 0.66409 | 0.00000 | 286378.1 | 213855.1 | 40212.2 | U/P |
| 47.575 | 0.0000 | 0.0000 | 87.539 | 0.66382 | 0.00000 | 286378.1 | 213875.0 | 40212.2 | U/P |
| 47.583 | 0.0000 | 0.0000 | 87.538 | 0.66354 | 0.00000 | 286378.1 | 213894.9 | 40212.2 | U/P |
| 47.592 | 0.0000 | 0.0000 | 87.536 | 0.66327 | 0.00000 | 286378.1 | 213914.8 | 40212.2 | U/P |
| 47.600 | 0.0000 | 0.0000 | 87.534 | 0.66299 | 0.00000 | 286378.1 | 213934.7 | 40212.2 | U/P |
| 47.608 | 0.0000 | 0.0000 | 87.533 | 0.66271 | 0.00000 | 286378.1 | 213954.6 | 40212.2 | U/P |
| 47.617 | 0.0000 | 0.0000 | 87.531 | 0.66244 | 0.00000 | 286378.1 | 213974.5 | 40212.2 | U/P |
| 47.625 | 0.0000 | 0.0000 | 87.529 | 0.66216 | 0.00000 | 286378.1 | 213994.3 | 40212.2 | U/P |
| 47.633 | 0.0000 | 0.0000 | 87.527 | 0.66189 | 0.00000 | 286378.1 | 214014.2 | 40212.2 | U/P |
| 47.642 | 0.0000 | 0.0000 | 87.526 | 0.66161 | 0.00000 | 286378.1 | 214034.1 | 40212.2 | U/P |
| 47.650 | 0.0000 | 0.0000 | 87.524 | 0.66133 | 0.00000 | 286378.1 | 214053.9 | 40212.2 | U/P |
| 47.658 | 0.0000 | 0.0000 | 87.522 | 0.66106 | 0.00000 | 286378.1 | 214073.7 | 40212.2 | U/P |
| 47.667 | 0.0000 | 0.0000 | 87.520 | 0.66078 | 0.00000 | 286378.1 | 214093.6 | 40212.2 | U/P |
| 47.675 | 0.0000 | 0.0000 | 87.519 | 0.66051 | 0.00000 | 286378.1 | 214113.4 | 40212.2 | U/P |
| 47.683 | 0.0000 | 0.0000 | 87.517 | 0.66023 | 0.00000 | 286378.1 | 214133.2 | 40212.2 | U/P |
| 47.692 | 0.0000 | 0.0000 | 87.515 | 0.65995 | 0.00000 | 286378.1 | 214153.0 | 40212.2 | U/P |
| 47.700 | 0.0000 | 0.0000 | 87.513 | 0.65968 | 0.00000 | 286378.1 | 214172.8 | 40212.2 | U/P |
| 47.708 | 0.0000 | 0.0000 | 87.512 | 0.65940 | 0.00000 | 286378.1 | 214192.6 | 40212.2 | U/P |
| 47.717 | 0.0000 | 0.0000 | 87.510 | 0.65913 | 0.00000 | 286378.1 | 214212.4 | 40212.2 | U/P |
| 47.725 | 0.0000 | 0.0000 | 87.508 | 0.65885 | 0.00000 | 286378.1 | 214232.1 | 40212.2 | U/P |
| 47.733 | 0.0000 | 0.0000 | 87.506 | 0.65858 | 0.00000 | 286378.1 | 214251.9 | 40212.2 | U/P |
| 47.742 | 0.0000 | 0.0000 | 87.505 | 0.65830 | 0.00000 | 286378.1 | 214271.6 | 40212.2 | U/P |
| 47.750 | 0.0000 | 0.0000 | 87.503 | 0.65802 | 0.00000 | 286378.1 | 214291.4 | 40212.2 | U/P |
| 47.758 | 0.0000 | 0.0000 | 87.501 | 0.65775 | 0.00000 | 286378.1 | 214311.1 | 40212.2 | U/P |
| 47.767 | 0.0000 | 0.0000 | 87.500 | 0.65747 | 0.00000 | 286378.1 | 214330.8 | 40212.2 | U/P |
| 47.775 | 0.0000 | 0.0000 | 87.498 | 0.65720 | 0.00000 | 286378.1 | 214350.6 | 40212.2 | U/P |
| 47.783 | 0.0000 | 0.0000 | 87.496 | 0.65692 | 0.00000 | 286378.1 | 214370.3 | 40212.2 | U/P |
| 47.792 | 0.0000 | 0.0000 | 87.494 | 0.65664 | 0.00000 | 286378.1 | 214390.0 | 40212.2 | U/P |
| 47.800 | 0.0000 | 0.0000 | 87.493 | 0.65637 | 0.00000 | 286378.1 | 214409.7 | 40212.2 | U/P |
| 47.808 | 0.0000 | 0.0000 | 87.491 | 0.65609 | 0.00000 | 286378.1 | 214429.4 | 40212.2 | U/P |
| 47.817 | 0.0000 | 0.0000 | 87.489 | 0.65582 | 0.00000 | 286378.1 | 214449.0 | 40212.2 | U/P |
| 47.825 | 0.0000 | 0.0000 | 87.487 | 0.65554 | 0.00000 | 286378.1 | 214468.7 | 40212.2 | U/P |
| 47.833 | 0.0000 | 0.0000 | 87.486 | 0.65526 | 0.00000 | 286378.1 | 214488.4 | 40212.2 | U/P |
| 47.842 | 0.0000 | 0.0000 | 87.484 | 0.65499 | 0.00000 | 286378.1 | 214508.0 | 40212.2 | U/P |
| 47.850 | 0.0000 | 0.0000 | 87.482 | 0.65471 | 0.00000 | 286378.1 | 214527.7 | 40212.2 | U/P |
| 47.858 | 0.0000 | 0.0000 | 87.480 | 0.65444 | 0.00000 | 286378.1 | 214547.3 | 40212.2 | U/P |
| 47.867 | 0.0000 | 0.0000 | 87.479 | 0.65416 | 0.00000 | 286378.1 | 214566.9 | 40212.2 | U/P |
| 47.875 | 0.0000 | 0.0000 | 87.477 | 0.65388 | 0.00000 | 286378.1 | 214586.6 | 40212.2 | U/P |
| 47.883 | 0.0000 | 0.0000 | 87.475 | 0.65361 | 0.00000 | 286378.1 | 214606.2 | 40212.2 | U/P |
| 47.892 | 0.0000 | 0.0000 | 87.473 | 0.65333 | 0.00000 | 286378.1 | 214625.8 | 40212.2 | U/P |
| 47.900 | 0.0000 | 0.0000 | 87.472 | 0.65306 | 0.00000 | 286378.1 | 214645.4 | 40212.2 | U/P |
| 47.908 | 0.0000 | 0.0000 | 87.470 | 0.65278 | 0.00000 | 286378.1 | 214665.0 | 40212.2 | U/P |
| 47.917 | 0.0000 | 0.0000 | 87.468 | 0.65250 | 0.00000 | 286378.1 | 214684.5 | 40212.2 | U/P |
| 47.925 | 0.0000 | 0.0000 | 87.467 | 0.65223 | 0.00000 | 286378.1 | 214704.1 | 40212.2 | U/P |
| 47.933 | 0.0000 | 0.0000 | 87.465 | 0.65195 | 0.00000 | 286378.1 | 214723.7 | 40212.2 | U/P |
| 47.942 | 0.0000 | 0.0000 | 87.463 | 0.65168 | 0.00000 | 286378.1 | 214743.2 | 40212.2 | U/P |
| 47.950 | 0.0000 | 0.0000 | 87.461 | 0.65140 | 0.00000 | 286378.1 | 214762.8 | 40212.2 | U/P |
| 47.958 | 0.0000 | 0.0000 | 87.460 | 0.65112 | 0.00000 | 286378.1 | 214782.3 | 40212.2 | U/P |
| 47.967 | 0.0000 | 0.0000 | 87.458 | 0.65085 | 0.00000 | 286378.1 | 214801.8 | 40212.2 | U/P |
| 47.975 | 0.0000 | 0.0000 | 87.456 | 0.65057 | 0.00000 | 286378.1 | 214821.4 | 40212.2 | U/P |
| 47.983 | 0.0000 | 0.0000 | 87.454 | 0.65030 | 0.00000 | 286378.1 | 214840.9 | 40212.2 | U/P |
| 47.992 | 0.0000 | 0.0000 | 87.453 | 0.65002 | 0.00000 | 286378.1 | 214860.4 | 40212.2 | U/P |
| 48.000 | 0.0000 | 0.0000 | 87.451 | 0.64974 | 0.00000 | 286378.1 | 214879.9 | 40212.2 | U/P |
| 48.008 | 0.0000 | 0.0000 | 87.449 | 0.64947 | 0.00000 | 286378.1 | 214899.4 | 40212.2 | U/P |
| 48.017 | 0.0000 | 0.0000 | 87.447 | 0.64919 | 0.00000 | 286378.1 | 214918.8 | 40212.2 | U/P |
| 48.025 | 0.0000 | 0.0000 | 87.446 | 0.64892 | 0.00000 | 286378.1 | 214938.3 | 40212.2 | U/P |
| 48.033 | 0.0000 | 0.0000 | 87.444 | 0.64864 | 0.00000 | 286378.1 | 214957.8 | 40212.2 | U/P |
| 48.042 | 0.0000 | 0.0000 | 87.442 | 0.64837 | 0.00000 | 286378.1 | 214977.2 | 40212.2 | U/P |
| 48.050 | 0.0000 | 0.0000 | 87.440 | 0.64809 | 0.00000 | 286378.1 | 214996.7 | 40212.2 | U/P |
| 48.058 | 0.0000 | 0.0000 | 87.439 | 0.64781 | 0.00000 | 286378.1 | 215016.1 | 40212.2 | U/P |
| 48.067 | 0.0000 | 0.0000 | 87.437 | 0.64754 | 0.00000 | 286378.1 | 215035.5 | 40212.2 | U/P |
| 48.075 | 0.0000 | 0.0000 | 87.435 | 0.64726 | 0.00000 | 286378.1 | 215055.0 | 40212.2 | U/P |
| 48.083 | 0.0000 | 0.0000 | 87.434 | 0.64699 | 0.00000 | 286378.1 | 215074.4 | 40212.2 | U/P |
| 48.092 | 0.0000 | 0.0000 | 87.432 | 0.64671 | 0.00000 | 286378.1 | 215093.8 | 40212.2 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $4100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate (fish $)$ | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Overfiow Discharge ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Infiltration Volume (fi3) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 48.100 | 0.0000 | 0.0000 | 87.430 | 0.64643 | 0.00000 | 286378.1 | 215113.2 | 40212.2 | U/P |
| 48.108 | 0.0000 | 0.0000 | 87.428 | 0.64616 | 0.00000 | 286378.1 | 215132.6 | 40212.2 | U/P |
| 48.117 | 0.0000 | 0.0000 | 87.427 | 0.64588 | 0.00000 | 286378.1 | 215152.0 | 40212.2 | U/P |
| 48.125 | 0.0000 | 0.0000 | 87.425 | 0.64561 | 0.00000 | 286378.1 | 215171.3 | 40212.2 | U/P |
| 48.133 | 0.0000 | 0.0000 | 87.423 | 0.64533 | 0.00000 | 286378.1 | 215190.7 | 40212.2 | U/P |
| 48.142 | 0.0000 | 0.0000 | 87.421 | 0.64505 | 0.00000 | 286378.1 | 215210.0 | 40212.2 | U/P |
| 48.150 | 0.0000 | 0.0000 | 87.420 | 0.64478 | 0.00000 | 286378.1 | 215229.4 | 40212.2 | U/P |
| 48.158 | 0.0000 | 0.0000 | 87.418 | 0.64450 | 0.00000 | 286378.1 | 215248.7 | 40212.2 | U/P |
| 48.167 | 0.0000 | 0.0000 | 87.416 | 0.64423 | 0.00000 | 286378.1 | 215268.1 | 40212.2 | U/P |
| 48.175 | 0.0000 | 0.0000 | 87.414 | 0.64395 | 0.00000 | 286378.1 | 215287.4 | 40212.2 | U/P |
| 48.183 | 0.0000 | 0.0000 | 87.413 | 0.64367 | 0.00000 | 286378.1 | 215306.7 | 40212.2 | U/P |
| 48.192 | 0.0000 | 0.0000 | 87.411 | 0.64340 | 0.00000 | 286378.1 | 215326.0 | 40212.2 | U/P |
| 48.200 | 0.0000 | 0.0000 | 87.409 | 0.64312 | 0.00000 | 286378.1 | 215345.3 | 40212.2 | U/P |
| 48.208 | 0.0000 | 0.0000 | 87.408 | 0.64285 | 0.00000 | 286378.1 | 215364.6 | 40212.2 | U/P |
| 48.217 | 0.0000 | 0.0000 | 87.406 | 0.64257 | 0.00000 | 286378.1 | 215383.9 | 40212.2 | U/P |
| 48.225 | 0.0000 | 0.0000 | 87.404 | 0.64229 | 0.00000 | 286378.1 | 215403.2 | 40212.2 | U/P |
| 48.233 | 0.0000 | 0.0000 | 87.402 | 0.64202 | 0.00000 | 286378.1 | 215422.4 | 40212.2 | U/P |
| 48.242 | 0.0000 | 0.0000 | 87.401 | 0.64174 | 0.00000 | 286378.1 | 215441.7 | 40212.2 | U/P |
| 48.250 | 0.0000 | 0.0000 | 87.399 | 0.64147 | 0.00000 | 286378.1 | 215460.9 | 40212.2 | U/P |
| 48.258 | 0.0000 | 0.0000 | 87.397 | 0.64119 | 0.00000 | 286378.1 | 215480.2 | 40212.2 | U/P |
| 48.267 | 0.0000 | 0.0000 | 87.395 | 0.64091 | 0.00000 | 286378.1 | 215499.4 | 40212.2 | U/P |
| 48.275 | 0.0000 | 0.0000 | 87.394 | 0.64064 | 0.00000 | 286378.1 | 215518.6 | 40212.2 | U/P |
| 48.283 | 0.0000 | 0.0000 | 87.392 | 0.64036 | 0.00000 | 286378.1 | 215537.8 | 40212.2 | U/P |
| 48.292 | 0.0000 | 0.0000 | 87.390 | 0.64009 | 0.00000 | 286378.1 | 215557.0 | 40212.2 | U/P |
| 48.300 | 0.0000 | 0.0000 | 87.388 | 0.63981 | 0.00000 | 286378.1 | 215576.2 | 40212.2 | U/P |
| 48.308 | 0.0000 | 0.0000 | 87.387 | 0.63953 | 0.00000 | 286378.1 | 215595.4 | 40212.2 | U/P |
| 48.317 | 0.0000 | 0.0000 | 87.385 | 0.63926 | 0.00000 | 286378.1 | 215614.6 | 40212.2 | U/P |
| 48.325 | 0.0000 | 0.0000 | 87.383 | 0.63898 | 0.00000 | 286378.1 | 215633.8 | 40212.2 | U/P |
| 48.333 | 0.0000 | 0.0000 | 87.381 | 0.63871 | 0.00000 | 286378.1 | 215653.0 | 40212.2 | U/P |
| 48.342 | 0.0000 | 0.0000 | 87.380 | 0.63843 | 0.00000 | 286378.1 | 215672.1 | 40212.2 | U/P |
| 48.350 | 0.0000 | 0.0000 | 87.378 | 0.63816 | 0.00000 | 286378.1 | 215691.3 | 40212.2 | U/P |
| 48.358 | 0.0000 | 0.0000 | 87.376 | 0.63788 | 0.00000 | 286378.1 | 215710.4 | 40212.2 | U/P |
| 48.367 | 0.0000 | 0.0000 | 87.375 | 0.63760 | 0.00000 | 286378.1 | 215729.5 | 40212.2 | U/P |
| 48.375 | 0.0000 | 0.0000 | 87.373 | 0.63733 | 0.00000 | 286378.1 | 215748.7 | 40212.2 | U/P |
| 48.383 | 0.0000 | 0.0000 | 87.371 | 0.63705 | 0.00000 | 286378.1 | 215767.8 | 40212.2 | U/P |
| 48.392 | 0.0000 | 0.0000 | 87.369 | 0.63678 | 0.00000 | 286378.1 | 215786.9 | 40212.2 | U/P |
| 48.400 | 0.0000 | 0.0000 | 87.368 | 0.63650 | 0.00000 | 286378.1 | 215806.0 | 40212.2 | U/P |
| 48.408 | 0.0000 | 0.0000 | 87.366 | 0.63622 | 0.00000 | 286378.1 | 215825.1 | 40212.2 | U/P |
| 48.417 | 0.0000 | 0.0000 | 87.364 | 0.63595 | 0.00000 | 286378.1 | 215844.2 | 40212.2 | U/P |
| 48.425 | 0.0000 | 0.0000 | 87.362 | 0.63567 | 0.00000 | 286378.1 | 215863.2 | 40212.2 | U/P |
| 48.433 | 0.0000 | 0.0000 | 87.361 | 0.63540 | 0.00000 | 286378.1 | 215882.3 | 40212.2 | U/P |
| 48.442 | 0.0000 | 0.0000 | 87.359 | 0.63512 | 0.00000 | 286378.1 | 215901.3 | 40212.2 | U/P |
| 48.450 | 0.0000 | 0.0000 | 87.357 | 0.63484 | 0.00000 | 286378.1 | 215920.4 | 40212.2 | U/P |
| 48.458 | 0.0000 | 0.0000 | 87.355 | 0.63457 | 0.00000 | 286378.1 | 215939.4 | 40212.2 | U/P |
| 48.467 | 0.0000 | 0.0000 | 87.354 | 0.63429 | 0.00000 | 286378.1 | 215958.5 | 40212.2 | U/P |
| 48.475 | 0.0000 | 0.0000 | 87.352 | 0.63402 | 0.00000 | 286378.1 | 215877.5 | 40212.2 | U/P |
| 48.483 | 0.0000 | 0.0000 | 87.350 | 0.63374 | 0.00000 | 286378.1 | 215896.5 | 40212.2 | U/P |
| 48.492 | 0.0000 | 0.0000 | 87.348 | 0.63346 | 0.00000 | 286378.1 | 216015.5 | 40212.2 | U/P |
| 48.500 | 0.0000 | 0.0000 | 87.347 | 0.63319 | 0.00000 | 286378.1 | 216034.5 | 40212.2 | U/P |
| 48.508 | 0.0000 | 0.0000 | 87.345 | 0.63291 | 0.00000 | 286378.1 | 216053.5 | 40212.2 | U/P |
| 48.517 | 0.0000 | 0.0000 | 87.343 | 0.63264 | 0.00000 | 286378.1 | 216072.5 | 40212.2 | U/P |
| 48.525 | 0.0000 | 0.0000 | 87.342 | 0.63236 | 0.00000 | 286378.1 | 216091.5 | 40212.2 | U/P |
| 48.533 | 0.0000 | 0.0000 | 87.340 | 0.63208 | 0.00000 | 286378.1 | 216110.4 | 40212.2 | U/P |
| 48.542 | 0.0000 | 0.0000 | 87.338 | 0.63181 | 0.00000 | 286378.1 | 216129.4 | 40212.2 | U/P |
| 48.550 | 0.0000 | 0.0000 | 87.336 | 0.63153 | 0.00000 | 286378.1 | 216148.3 | 40212.2 | U/P |
| 48.558 | 0.0000 | 0.0000 | 87.335 | 0.63126 | 0.00000 | 286378.1 | 216167.3 | 40212.2 | U/P |
| 48.567 | 0.0000 | 0.0000 | 87.333 | 0.63098 | 0.00000 | 286378.1 | 216186.2 | 40212.2 | U/P |
| 48.575 | 0.0000 | 0.0000 | 87.331 | 0.63070 | 0.00000 | 286378.1 | 216205.1 | 40212.2 | U/P |
| 48.583 | 0.0000 | 0.0000 | 87.329 | 0.63043 | 0.00000 | 286378.1 | 216224.1 | 40212.2 | U/P |
| 48.592 | 0.0000 | 0.0000 | 87.328 | 0.63015 | 0.00000 | 286378.1 | 216243.0 | 40212.2 | U/P |
| 48.600 | 0.0000 | 0.0000 | 87.326 | 0.62988 | 0.00000 | 286378.1 | 216261.9 | 40212.2 | U/P |
| 48.608 | 0.0000 | 0.0000 | 87.324 | 0.62960 | 0.00000 | 286378.1 | 216280.8 | 40212.2 | U/P |
| 48.617 | 0.0000 | 0.0000 | 87.322 | 0.62932 | 0.00000 | 286378.1 | 216299.6 | 40212.2 | U/P |
| 48.625 | 0.0000 | 0.0000 | 87.321 | 0.62905 | 0.00000 | 286378.1 | 216318.5 | 40212.2 | U/P |
| 48.633 | 0.0000 | 0.0000 | 87.319 | 0.62877 | 0.00000 | 286378.1 | 216337.4 | 40212.2 | U/P |
| 48.642 | 0.0000 | 0.0000 | 87.317 | 0.62850 | 0.00000 | 286378.1 | 216356.3 | 40212.2 | U/P |
| 48.650 | 0.0000 | 0.0000 | 87.315 | 0.62822 | 0.00000 | 286378.1 | 216375.1 | 40212.2 | U/P |
| 48.658 | 0.0000 | 0.0000 | 87.314 | 0.62794 | 0.00000 | 286378.1 | 216393.9 | 40212.2 | U/P |
| 48.667 | 0.0000 | 0.0000 | 87.312 | 0.62767 | 0.00000 | 286378.1 | 216412.8 | 40212.2 | U/P |
| 48.675 | 0.0000 | 0.0000 | 87.310 | 0.62739 | 0.00000 | 286378.1 | 216431.6 | 40212.2 | U/P |
| 48.683 | 0.0000 | 0.0000 | 87.309 | 0.62712 | 0.00000 | 286378.1 | 216450.4 | 40212.2 | U/P |
| 48.692 | 0.0000 | 0.0000 | 87.307 | 0.62684 | 0.00000 | 286378.1 | 216469.2 | 40212.2 | U/P |
| 48.700 | 0.0000 | 0.0000 | 87.305 | 0.62657 | 0.00000 | 286378.1 | 216488.0 | 40212.2 | U/P |
| 48.708 | 0.0000 | 0.0000 | 87.303 | 0.62629 | 0.00000 | 286378.1 | 216506.8 | 40212.2 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $4100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{fl}^{3 / 3}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate (filis) | Overflow Discharge ( $\mathrm{fl}^{3 / \mathrm{s}}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{fl}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 48.717 | 0.0000 | 0.0000 | 87.302 | 0.62601 | 0.00000 | 286378.1 | 216525.6 | 40212.2 | U/P |
| 48.725 | 0.0000 | 0.0000 | 87.300 | 0.62574 | 0.00000 | 286378.1 | 216544.4 | 40212.2 | U/P |
| 48.733 | 0.0000 | 0.0000 | 87.298 | 0.62546 | 0.00000 | 286378.1 | 216563.2 | 40212.2 | U/P |
| 48.742 | 0.0000 | 0.0000 | 87.296 | 0.62519 | 0.00000 | 286378.1 | 216581.9 | 40212.2 | U/P |
| 48.750 | 0.0000 | 0.0000 | 87.295 | 0.62491 | 0.00000 | 286378.1 | 216600.7 | 40212.2 | U/P |
| 48.758 | 0.0000 | 0.0000 | 87.293 | 0.62463 | 0.00000 | 286378.1 | 216619.4 | 40212.2 | U/P |
| 48.767 | 0.0000 | 0.0000 | 87.291 | 0.62436 | 0.00000 | 286378.1 | 216638.1 | 40212.2 | U/P |
| 48.775 | 0.0000 | 0.0000 | 87.288 | 0.62408 | 0.00000 | 286378.1 | 216656.9 | 40212.2 | U/P |
| 48.783 | 0.0000 | 0.0000 | 87.288 | 0.62381 | 0.00000 | 286378.1 | 216675.6 | 40212.2 | U/P |
| 48.792 | 0.0000 | 0.0000 | 87.286 | 0.62353 | 0.00000 | 286378.1 | 216694.3 | 40212.2 | U/P |
| 48.800 | 0.0000 | 0.0000 | 87.284 | 0.62325 | 0.00000 | 286378.1 | 216713.0 | 40212.2 | U/P |
| 48.808 | 0.0000 | 0.0000 | 87.282 | 0.62298 | 0.00000 | 286378.1 | 216731.7 | 40212.2 | U/P |
| 48.817 | 0.0000 | 0.0000 | 87.281 | 0.62270 | 0.00000 | 286378.1 | 216750.4 | 40212.2 | U/P |
| 48.825 | 0.0000 | 0.0000 | 87.279 | 0.62243 | 0.00000 | 286378.1 | 216769.0 | 40212.2 | U/P |
| 48.833 | 0.0000 | 0.0000 | 87.277 | 0.62215 | 0.00000 | 286378.1 | 216787.7 | 40212.2 | U/P |
| 48.842 | 0.0000 | 0.0000 | 87.276 | 0.62187 | 0.00000 | 286378.1 | 216806.4 | 40212.2 | U/P |
| 48.850 | 0.0000 | 0.0000 | 87.274 | 0.62160 | 0.00000 | 286378.1 | 216825.0 | 40212.2 | U/P |
| 48.858 | 0.0000 | 0.0000 | 87.272 | 0.62132 | 0.00000 | 286378.1 | 216843.7 | 40212.2 | U/P |
| 48.867 | 0.0000 | 0.0000 | 87.270 | 0.62105 | 0.00000 | 286378.1 | 216862.3 | 40212.2 | U/P |
| 48.875 | 0.0000 | 0.0000 | 87.269 | 0.62077 | 0.00000 | 286378.1 | 216880.9 | 40212.2 | U/P |
| 48.883 | 0.0000 | 0.0000 | 87.267 | 0.62049 | 0.00000 | 286378.1 | 216899.6 | 40212.2 | U/P |
| 48.892 | 0.0000 | 0.0000 | 87.265 | 0.62022 | 0.00000 | 286378.1 | 216918.2 | 40212.2 | U/P |
| 48.900 | 0.0000 | 0.0000 | 87.263 | 0.61994 | 0.00000 | 286378.1 | 216936.8 | 40212.2 | U/P |
| 48.908 | 0.0000 | 0.0000 | 87.262 | 0.61967 | 0.00000 | 286378.1 | 216955.4 | 40212.2 | U/P |
| 48.917 | 0.0000 | 0.0000 | 87.260 | 0.61939 | 0.00000 | 286378.1 | 216974.0 | 40212.2 | U/P |
| 48.925 | 0.0000 | 0.0000 | 87.258 | 0.61911 | 0.00000 | 286378.1 | 216992.5 | 40212.2 | U/P |
| 48.933 | 0.0000 | 0.0000 | 87.256 | 0.61884 | 0.00000 | 286378.1 | 217011.1 | 40212.2 | U/P |
| 48.942 | 0.0000 | 0.0000 | 87.255 | 0.61856 | 0.00000 | 286378.1 | 217029.7 | 40212.2 | U/P |
| 48.950 | 0.0000 | 0.0000 | 87.253 | 0.61829 | 0.00000 | 286378.1 | 217048.2 | 40212.2 | U/P |
| 48.958 | 0.0000 | 0.0000 | 87.251 | 0.61801 | 0.00000 | 286378.1 | 217066.8 | 40212.2 | U/P |
| 48.967 | 0.0000 | 0.0000 | 87.249 | 0.61773 | 0.00000 | 286378.1 | 217085.3 | 40212.2 | U/P |
| 48.975 | 0.0000 | 0.0000 | 87.248 | 0.61746 | 0.00000 | 286378.1 | 217103.8 | 40212.2 | U/P |
| 48.983 | 0.0000 | 0.0000 | 87.246 | 0.61718 | 0.00000 | 286378.1 | 217122.3 | 40212.2 | U/P |
| 48.982 | 0.0000 | 0.0000 | 87.244 | 0.61691 | 0.00000 | 286378.1 | 217140.9 | 40212.2 | U/P |
| 49.000 | 0.0000 | 0.0000 | 87.243 | 0.61663 | 0.00000 | 286378.1 | 217159.4 | 40212.2 | U/P |
| 49.008 | 0.0000 | 0.0000 | 87.241 | 0.61636 | 0.00000 | 286378.1 | 217177.8 | 40212.2 | U/P |
| 49.017 | 0.0000 | 0.0000 | 87.239 | 0.61608 | 0.00000 | 286378.1 | 217196.3 | 40212.2 | U/P |
| 49.025 | 0.0000 | 0.0000 | 87.237 | 0.61580 | 0.00000 | 286378.1 | 217214.8 | 40212.2 | U/P |
| 49.033 | 0.0000 | 0.0000 | 87.236 | 0.61553 | 0.00000 | 286378.1 | 217233.3 | 40212.2 | U/P |
| 49.042 | 0.0000 | 0.0000 | 87.234 | 0.61525 | 0.00000 | 286378.1 | 217251.8 | 40212.2 | U/P |
| 49.050 | 0.0000 | 0.0000 | 87.232 | 0.61498 | 0.00000 | 286378.1 | 217270.2 | 40212.2 | U/P |
| 49.058 | 0.0000 | 0.0000 | 87.230 | 0.61470 | 0.00000 | 286378.1 | 217288.6 | 40212.2 | U/P |
| 49.067 | 0.0000 | 0.0000 | 87.229 | 0.61442 | 0.00000 | 286378.1 | 217307.1 | 40212.2 | U/P |
| 49.075 | 0.0000 | 0.0000 | 87.227 | 0.61415 | 0.00000 | 286378.1 | 217325.5 | 40212.2 | U/P |
| 49.083 | 0.0000 | 0.0000 | 87.225 | 0.61387 | 0.00000 | 286378.1 | 217343.9 | 40212.2 | U/P |
| 49.092 | 0.0000 | 0.0000 | 87.223 | 0.61360 | 0.00000 | 286378.1 | 217362.3 | 40212.2 | U/P |
| 49.100 | 0.0000 | 0.0000 | 87.222 | 0.61332 | 0.00000 | 286378.1 | 217380.8 | 40212.2 | U/P |
| 49.108 | 0.0000 | 0.0000 | 87.220 | 0.61304 | 0.00000 | 286378.1 | 217399.1 | 40212.2 | U/P |
| 49.117 | 0.0000 | 0.0000 | 87.218 | 0.61277 | 0.00000 | 286378.1 | 217417.5 | 40212.2 | U/P |
| 49.125 | 0.0000 | 0.0000 | 87.216 | 0.61249 | 0.00000 | 286378.1 | 217435.9 | 40212.2 | U/P |
| 49.133 | 0.0000 | 0.0000 | 87.215 | 0.61222 | 0.00000 | 286378.1 | 217454.3 | 40212.2 | U/P |
| 49.142 | 0.0000 | 0.0000 | 87.213 | 0.61194 | 0.00000 | 286378.1 | 217472.6 | 40212.2 | U/P |
| 49.150 | 0.0000 | 0.0000 | 87.211 | 0.61166 | 0.00000 | 286378.1 | 217491.0 | 40212.2 | U/P |
| 49.158 | 0.0000 | 0.0000 | 87.210 | 0.61139 | 0.00000 | 286378.1 | 217509.3 | 40212.2 | U/P |
| 49.167 | 0.0000 | 0.0000 | 87.208 | 0.61111 | 0.00000 | 286378.1 | 217527.7 | 40212.2 | U/P |
| 49.175 | 0.0000 | 0.0000 | 87.206 | 0.61084 | 0.00000 | 286378.1 | 217546.0 | 40212.2 | U/P |
| 49.183 | 0.0000 | 0.0000 | 87.204 | 0.61056 | 0.00000 | 286378.1 | 217564.3 | 40212.2 | U/P |
| 49.192 | 0.0000 | 0.0000 | 87.203 | 0.61028 | 0.00000 | 286378.1 | 217582.6 | 40212.2 | U/P |
| 49.200 | 0.0000 | 0.0000 | 87.201 | 0.61001 | 0.00000 | 286378.1 | 217601.0 | 40212.2 | U/P |
| 49.208 | 0.0000 | 0.0000 | 87.199 | 0.60973 | 0.00000 | 286378.1 | 217619.3 | 40212.2 | U/P |
| 49.217 | 0.0000 | 0.0000 | 87.197 | 0.60946 | 0.00000 | 286378.1 | 217637.5 | 40212.2 | U/P |
| 49.225 | 0.0000 | 0.0000 | 87.196 | 0.60918 | 0.00000 | 286378.1 | 217655.8 | 40212.2 | U/P |
| 49.233 | 0.0000 | 0.0000 | 87.194 | 0.60890 | 0.00000 | 286378.1 | 217674.1 | 40212.2 | U/P |
| 49.242 | 0.0000 | 0.0000 | 87.192 | 0.60863 | 0.00000 | 286378.1 | 217692.3 | 40212.2 | U/P |
| 49.250 | 0.0000 | 0.0000 | 87.190 | 0.60835 | 0.00000 | 286378.1 | 217710.6 | 40212.2 | U/P |
| 49.258 | 0.0000 | 0.0000 | 87.189 | 0.60808 | 0.00000 | 286378.1 | 217728.8 | 40212.2 | U/P |
| 49.267 | 0.0000 | 0.0000 | 87.187 | 0.60780 | 0.00000 | 286378.1 | 217747.1 | 40212.2 | U/P |
| 49.275 | 0.0000 | 0.0000 | 87.185 | 0.60752 | 0.00000 | 286378.1 | 217765.3 | 40212.2 | U/P |
| 49.283 | 0.0000 | 0.0000 | 87.183 | 0.60725 | 0.00000 | 286378.1 | 217783.5 | 40212.2 | U/P |
| 49.292 | 0.0000 | 0.0000 | 87.182 | 0.60697 | 0.00000 | 286378.1 | 217801.8 | 40212.2 | U/P |
| 49.300 | 0.0000 | 0.0000 | 87.180 | 0.60670 | 0.00000 | 286378.1 | 217820.0 | 40212.2 | U/P |
| 49.308 | 0.0000 | 0.0000 | 87.178 | 0.60642 | 0.00000 | 286378.1 | 217838.2 | 40212.2 | U/P |
| 49.317 | 0.0000 | 0.0000 | 87.177 | 0.60614 | 0.00000 | 286378.1 | 217856.3 | 40212.2 | U/P |
| 49.325 | 0.0000 | 0.0000 | 87.175 | 0.60587 | 0.00000 | 286378.1 | 217874.5 | 40212.2 | U/P |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: Pond $4100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate (f13/s) | Outside Recharge (fl/day) | Stage Elevation (fl datum) | infiltration Rate ( $\mathrm{ff} 3 / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{fl}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ff}^{3}$ ) | Cumulative Infilitration Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{fl}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 49.333 | 0.0000 | 0.0000 | 87.173 | 0.60559 | 0.00000 | 286378.1 | 217892.7 | 40212.2 | U/P |
| 49.342 | 0.0000 | 0.0000 | 87.171 | 0.60532 | 0.00000 | 286378.1 | 217910.9 | 40212.2 | U/P |
| 49.350 | 0.0000 | 0.0000 | 87.170 | 0.60504 | 0.00000 | 286378.1 | 217929.0 | 40212.2 | U/P |
| 49.358 | 0.0000 | 0.0000 | 87.168 | 0.60477 | 0.00000 | 286378.1 | 217947.2 | 40212.2 | U/P |
| 49.367 | 0.0000 | 0.0000 | 87.166 | 0.60449 | 0.00000 | 286378.1 | 217965.3 | 40212.2 | U/P |
| 49.375 | 0.0000 | 0.0000 | 87.164 | 0.60421 | 0.00000 | 286378.1 | 217983.4 | 40212.2 | U/P |
| 49.383 | 0.0000 | 0.0000 | 87.163 | 0.60394 | 0.00000 | 286378.1 | 218001.5 | 40212.2 | U/P |
| 49.392 | 0.0000 | 0.0000 | 87.161 | 0.60366 | 0.00000 | 286378.1 | 218019.7 | 40212.2 | U/P |
| 49.400 | 0.0000 | 0.0000 | 87.159 | 0.60339 | 0.00000 | 286378.1 | 218037.8 | 40212.2 | U/P |
| 49.408 | 0.0000 | 0.0000 | 87.157 | 0.60311 | 0.00000 | 286378.1 | 218055.9 | 40212.2 | U/P |
| 49.417 | 0.0000 | 0.0000 | 87.156 | 0.60283 | 0.00000 | 286378.1 | 218074.0 | 40212.2 | U/P |
| 49.425 | 0.0000 | 0.0000 | 87.154 | 0.60256 | 0.00000 | 286378.1 | 218092.0 | 40212.2 | U/P |
| 49.433 | 0.0000 | 0.0000 | 87.152 | 0.60228 | 0.00000 | 286378.1 | 218110.1 | 40212.2 | U/P |
| 49.442 | 0.0000 | 0.0000 | 87.151 | 0.60201 | 0.00000 | 286378.1 | 218128.2 | 40212.2 | U/P |
| 49.450 | 0.0000 | 0.0000 | 87.149 | 0.60173 | 0.00000 | 286378.1 | 218146.2 | 40212.2 | U/P |
| 49.458 | 0.0000 | 0.0000 | 87.147 | 0.60145 | 0.00000 | 286378.1 | 218164.3 | 40212.2 | U/P |
| 49.467 | 0.0000 | 0.0000 | 87.145 | 0.60118 | 0.00000 | 286378.1 | 218182.3 | 40212.2 | U/P |
| 49.475 | 0.0000 | 0.0000 | 87.144 | 0.60090 | 0.00000 | 286378.1 | 218200.3 | 40212.2 | U/P |
| 49.483 | 0.0000 | 0.0000 | 87.142 | 0.60063 | 0.00000 | 286378.1 | 218218.4 | 40212.2 | U/P |
| 49.492 | 0.0000 | 0.0000 | 87.140 | 0.60035 | 0.00000 | 286378.1 | 218236.4 | 40212.2 | U/P |
| 49.500 | 0.0000 | 0.0000 | 87.138 | 0.60007 | 0.00000 | 286378.1 | 218254.4 | 40212.2 | U/P |
| 49.508 | 0.0000 | 0.0000 | 87.137 | 0.59980 | 0.00000 | 286378.1 | 218272.4 | 40212.2 | U/P |
| 49.517 | 0.0000 | 0.0000 | 87.135 | 0.59952 | 0.00000 | 286378.1 | 218290.4 | 40212.2 | U/P |
| 49.525 | 0.0000 | 0.0000 | 87.133 | 0.59925 | 0.00000 | 286378.1 | 218308.4 | 40212.2 | U/P |
| 49.533 | 0.0000 | 0.0000 | 87.131 | 0.59897 | 0.00000 | 286378.1 | 218326.3 | 40212.2 | U/P |
| 49.542 | 0.0000 | 0.0000 | 87.130 | 0.59869 | 0.00000 | 286378.1 | 218344.3 | 40212.2 | U/P |
| 49.550 | 0.0000 | 0.0000 | 87.128 | 0.59842 | 0.00000 | 286378.1 | 218362.3 | 40212.2 | U/P |
| 49.558 | 0.0000 | 0.0000 | 87.126 | 0.59814 | 0.00000 | 286378.1 | 218380.2 | 40212.2 | U/P |
| 49.567 | 0.0000 | 0.0000 | 87.124 | 0.59787 | 0.00000 | 286378.1 | 218398.1 | 40212.2 | U/P |
| 49.575 | 0.0000 | 0.0000 | 87.123 | 0.59759 | 0.00000 | 286378.1 | 218416.1 | 40212.2 | U/P |
| 49.583 | 0.0000 | 0.0000 | 87.121 | 0.59731 | 0.00000 | 286378.1 | 218434.0 | 40212.2 | U/P |
| 49.592 | 0.0000 | 0.0000 | 87.119 | 0.59704 | 0.00000 | 286378.1 | 218451.9 | 40212.2 | U/P |
| 49.600 | 0.0000 | 0.0000 | 87.118 | 0.59676 | 0.00000 | 286378.1 | 218469.8 | 40212.2 | U/P |
| 49.608 | 0.0000 | 0.0000 | 87.116 | 0.59649 | 0.00000 | 286378.1 | 218487.7 | 40212.2 | U/P |
| 49.617 | 0.0000 | 0.0000 | 87.114 | 0.59621 | 0.00000 | 286378.1 | 218505.6 | 40212.2 | U/P |
| 49.625 | 0.0000 | 0.0000 | 87.112 | 0.59593 | 0.00000 | 286378.1 | 218523.5 | 40212.2 | U/P |
| 49.633 | 0.0000 | 0.0000 | 87.111 | 0.59566 | 0.00000 | 286378.1 | 218541.4 | 40212.2 | U/P |
| 49.642 | 0.0000 | 0.0000 | 87.109 | 0.59538 | 0.00000 | 286378.1 | 218559.2 | 40212.2 | U/P |
| 49.650 | 0.0000 | 0.0000 | 87.107 | 0.59511 | 0.00000 | 286378.1 | 218577.1 | 40212.2 | U/P |
| 49,658 | 0.0000 | 0.0000 | 87.105 | 0.59483 | 0.00000 | 286378.1 | 218594.9 | 40212.2 | U/P |
| 49.667 | 0.0000 | 0.0000 | 87.104 | 0.59455 | 0.00000 | 286378.1 | 218612.8 | 40212.2 | U/P |
| 49.675 | 0.0000 | 0.0000 | 87.102 | 0.59428 | 0.00000 | 286378.1 | 218630.6 | 40212.2 | U/P |
| 49.683 | 0.0000 | 0.0000 | 87.100 | 0.59400 | 0.00000 | 286378.1 | 218648.4 | 40212.2 | U/P |
| 49.692 | 0.0000 | 0.0000 | 87.098 | 0.59373 | 0.00000 | 286378.1 | 218666.3 | 40212.2 | U/P |
| 49.700 | 0.0000 | 0.0000 | 87.097 | 0.59345 | 0.00000 | 286378.1 | 218684.1 | 40212.2 | U/P |
| 49.708 | 0.0000 | 0.0000 | 87.095 | 0.59318 | 0.00000 | 286378.1 | 218701.9 | 40212.2 | U/P |
| 49.717 | 0.0000 | 0.0000 | 87.093 | 0.59290 | 0.00000 | 286378.1 | 218719.7 | 40212.2 | U/P |
| 49.725 | 0.0000 | 0.0000 | 87.091 | 0.59262 | 0.00000 | 286378.1 | 218737.4 | 40212.2 | U/P |
| 49.733 | 0.0000 | 0.0000 | 87.090 | 0.59235 | 0.00000 | 286378.1 | 218755.2 | 40212.2 | U/P |
| 49.742 | 0.0000 | 0.0000 | 87.088 | 0.59207 | 0.00000 | 286378.1 | 218773.0 | 40212.2 | U/P |
| 49.750 | 0.0000 | 0.0000 | 87.086 | 0.59180 | 0.00000 | 286378.1 | 218790.7 | 40212.2 | U/P |
| 49.758 | 0.0000 | 0.0000 | 87.085 | 0.59152 | 0.00000 | 286378.1 | 218808.5 | 40212.2 | U/P |
| 49.767 | 0.0000 | 0.0000 | 87.083 | 0.59124 | 0.00000 | 286378.1 | 218826.2 | 40212.2 | U/P |
| 49.775 | 0.0000 | 0.0000 | 87.081 | 0.59097 | 0.00000 | 286378.1 | 218844.0 | 40212.2 | U/P |
| 49.783 | 0.0000 | 0.0000 | 87.079 | 0.59069 | 0.00000 | 286378.1 | 218861.7 | 40212.2 | U/P |
| 49.792 | 0.0000 | 0.0000 | 87.078 | 0.59042 | 0.00000 | 286378.1 | 218879.4 | 40212.2 | U/P |
| 49.800 | 0.0000 | 0.0000 | 87.076 | 0.59014 | 0.00000 | 286378.1 | 218897.1 | 40212.2 | U/P |
| 49.808 | 0.0000 | 0.0000 | 87.074 | 0.58986 | 0.00000 | 286378.1 | 218914.8 | 40212.2 | U/P |
| 49.817 | 0.0000 | 0.0000 | 87.072 | 0.58959 | 0.00000 | 286378.1 | 218932.5 | 40212.2 | U/P |
| 49.825 | 0.0000 | 0.0000 | 87.071 | 0.58931 | 0.00000 | 286378.1 | 218950.2 | 40212.2 | U/P |
| 49.833 | 0.0000 | 0.0000 | 87.069 | 0.58904 | 0.00000 | 286378.1 | 218967.9 | 40212.2 | U/P |
| 49.842 | 0.0000 | 0.0000 | 87.067 | 0.58876 | 0.00000 | 286378.1 | 218985.5 | 40212.2 | U/P |
| 49.850 | 0.0000 | 0.0000 | 87.065 | 0.58848 | 0.00000 | 286378.1 | 219003.2 | 40212.2 | U/P |
| 49.858 | 0.0000 | 0.0000 | 87.064 | 0.58821 | 0.00000 | 286378.1 | 219020.8 | 40212.2 | U/P |
| 49.867 | 0.0000 | 0.0000 | 87.062 | 0.58793 | 0.00000 | 286378.1 | 219038.5 | 40212.2 | U/P |
| 49.875 | 0.0000 | 0.0000 | 87.060 | 0.58766 | 0.00000 | 286378.1 | 219056.1 | 40212.2 | U/P |
| 49.883 | 0.0000 | 0.0000 | 87.058 | 0.58738 | 0.00000 | 286378.1 | 219073.7 | 40212.2 | U/P |
| 49.892 | 0.0000 | 0.0000 | 87.057 | 0.58710 | 0.00000 | 286378.1 | 219091.3 | 40212.2 | U/P |
| 49.900 | 0.0000 | 0.0000 | 87.055 | 0.58683 | 0.00000 | 286378.1 | 219109.0 | 40212.2 | U/P |
| 49.908 | 0.0000 | 0.0000 | 87.053 | 0.58655 | 0.00000 | 286378.1 | 219126.6 | 40212.2 | U/P |
| 49.917 | 0.0000 | 0.0000 | 87.052 | 0.58628 | 0.00000 | 286378.1 | 219144.2 | 40212.2 | U/P |
| 49.925 | 0.0000 | 0.0000 | 87.050 | 0.58600 | 0.00000 | 286378.1 | 219161.7 | 40212.2 | U/P |
| 49.933 | 0.0000 | 0.0000 | 87.048 | 0.58572 | 0.00000 | 286378.1 | 219179.3 | 40212.2 | U/P |
| 49.942 | 0.0000 | 0.0000 | 87.046 | 0.58545 | 0.00000 | 286378.1 | 219196.9 | 40212.2 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: Pond 4100 yr/24 hr

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (fl datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Discharge Volume (fis) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 49.950 | 0.0000 | 0.0000 | 87.045 | 0.58517 | 0.00000 | 286378.1 | 219214.4 | 40212.2 | U/P |
| 49.958 | 0.0000 | 0.0000 | 87.043 | 0.58490 | 0.00000 | 286378.1 | 219232.0 | 40212.2 | U/P |
| 49.967 | 0.0000 | 0.0000 | 87.041 | 0.58462 | 0.00000 | 286378.1 | 219249.5 | 40212.2 | U/P |
| 49.975 | 0.0000 | 0.0000 | 87.039 | 0.58434 | 0.00000 | 286378.1 | 219267.1 | 40212.2 | U/P |
| 49.983 | 0.0000 | 0.0000 | 87.038 | 0.58407 | 0.00000 | 286378.1 | 219284.6 | 40212.2 | U/P |
| 49.992 | 0.0000 | 0.0000 | 87.036 | 0.58379 | 0.00000 | 286378.1 | 219302.1 | 40212.2 | U/P |
| 50.000 | 0.0000 | 0.0000 | 87.034 | 0.58352 | 0.00000 | 286378.1 | 219319.6 | 40212.2 | U/P |
| 50.008 | 0.0000 | 0.0000 | 87.032 | 0.58324 | 0.00000 | 286378.1 | 219337.1 | 40212.2 | U/P |
| 50.017 | 0.0000 | 0.0000 | 87.031 | 0.58296 | 0.00000 | 286378.1 | 219354.6 | 40212.2 | U/P |
| 50.025 | 0.0000 | 0.0000 | 87.029 | 0.58269 | 0.00000 | 286378.1 | 219372.1 | 40212.2 | U/P |
| 50.033 | 0.0000 | 0.0000 | 87.027 | 0.58241 | 0.00000 | 286378.1 | 219389.6 | 40212.2 | U/P |
| 50.042 | 0,0000 | 0.0000 | 87.025 | 0.58214 | 0.00000 | 286378.1 | 219407.0 | 40212.2 | U/P |
| 50.050 | 0.0000 | 0.0000 | 87.024 | 0.58186 | 0.00000 | 286378.1 | 219424.5 | 40212.2 | U/P |
| 50.058 | 0.0000 | 0.0000 | 87.022 | 0.58159 | 0.00000 | 286378.1 | 219442.0 | 40212.2 | U/P |
| 50.067 | 0.0000 | 0.0000 | 87.020 | 0.58131 | 0.00000 | 286378.1 | 219459.4 | 40212.2 | U/P |
| 50.075 | 0.0000 | 0.0000 | 87.019 | 0.58103 | 0.00000 | 286378.1 | 219476.8 | 40212.2 | U/P |
| 50.083 | 0.0000 | 0.0000 | 87.017 | 0.58076 | 0.00000 | 286378.1 | 219494.3 | 40212.2 | U/P |
| 50.092 | 0.0000 | 0.0000 | 87.015 | 0.58048 | 0.00000 | 286378.1 | 219511.7 | 40212.2 | U/P |
| 50.100 | 0.0000 | 0.0000 | 87.013 | 0.58021 | 0.00000 | 286378.1 | 219529.1 | 40212.2 | U/P |
| 50.108 | 0.0000 | 0.0000 | 87.012 | 0.57993 | 0.00000 | 286378.1 | 219546.5 | 40212.2 | U/P |
| 50.117 | 0.0000 | 0.0000 | 87.010 | 0.57965 | 0.00000 | 286378.1 | 219563.9 | 40212.2 | U/P |
| 50.125 | 0.0000 | 0.0000 | 87.008 | 0.57938 | 0.00000 | 286378.1 | 219581.3 | 40212.2 | U/P |
| 50.133 | 0.0000 | 0.0000 | 87.006 | 0.57910 | 0.00000 | 286378.1 | 219598.7 | 40212.2 | U/P |
| 50.142 | 0.0000 | 0.0000 | 87.005 | 0.57883 | 0.00000 | 286378.1 | 219616.0 | 40212.2 | U/P |
| 50.150 | 0.0000 | 0.0000 | 87.003 | 0.57855 | 0.00000 | 286378.1 | 219633.4 | 40212.2 | U/P |
| 50.158 | 0.0000 | 0.0000 | 87.001 | 0.57827 | 0.00000 | 286378.1 | 219650.7 | 40212.2 | U/P |
| 50.167 | 0.0000 | 0.0000 | 86.999 | 0.57801 | 0.00000 | 286378.1 | 219668.1 | 40212.2 | U/P |
| 50.175 | 0.0000 | 0.0000 | 86.998 | 0.57777 | 0.00000 | 286378.1 | 219685.4 | 40212.2 | U/P |
| 50.183 | 0.0000 | 0.0000 | 86.996 | 0.57755 | 0.00000 | 286378.1 | 219702.8 | 40212.2 | U/P |
| 50.192 | 0.0000 | 0.0000 | 86.994 | 0.57733 | 0.00000 | 286378.1 | 219720.1 | 40212.2 | U/P |
| 50.200 | 0.0000 | 0.0000 | 86.992 | 0.57711 | 0.00000 | 286378.1 | 219737.4 | 40212.2 | U/P |
| 50.208 | 0.0000 | 0.0000 | 86.991 | 0.57689 | 0.00000 | 286378.1 | 219754.7 | 40212.2 | U/P |
| 50.217 | 0.0000 | 0.0000 | 86.989 | 0.57667 | 0.00000 | 286378.1 | 219772.0 | 40212.2 | U/P |
| 50.225 | 0.0000 | 0.0000 | 86.987 | 0.57646 | 0.00000 | 286378.1 | 219789.3 | 40212.2 | U/P |
| 50.233 | 0.0000 | 0.0000 | 86.986 | 0.57624 | 0.00000 | 286378.1 | 219806.6 | 40212.2 | U/P |
| 50.242 | 0.0000 | 0.0000 | 86.984 | 0.57602 | 0.00000 | 286378.1 | 219823.9 | 40212.2 | U/P |
| 50.250 | 0.0000 | 0.0000 | 86.982 | 0.57580 | 0.00000 | 286378.1 | 219841.1 | 40212.2 | U/P |
| 50.258 | 0.0000 | 0.0000 | 86.980 | 0.57558 | 0.00000 | 286378.1 | 219858.4 | 40212.2 | U/P |
| 50.267 | 0.0000 | 0.0000 | 86.979 | 0.57536 | 0.00000 | 286378.1 | 219875.7 | 40212.2 | U/P |
| 50.275 | 0.0000 | 0.0000 | 86.977 | 0.57514 | 0.00000 | 286378.1 | 219892.9 | 40212.2 | U/P |
| 50.283 | 0.0000 | 0.0000 | 86.975 | 0.57492 | 0.00000 | 286378.1 | 219910.2 | 40212.2 | U/P |
| 50.292 | 0.0000 | 0.0000 | 86.973 | 0.57470 | 0.00000 | 286378.1 | 219927.4 | 40212.2 | U/P |
| 50.300 | 0.0000 | 0.0000 | 86.972 | 0.57448 | 0.00000 | 286378.1 | 219944.7 | 40212.2 | U/P |
| 50.308 | 0.0000 | 0.0000 | 86.970 | 0.57427 | 0.00000 | 286378.1 | 219961.9 | 40212.2 | U/P |
| 50.317 | 0.0000 | 0.0000 | 86.968 | 0.57405 | 0.00000 | 286378.1 | 219979.1 | 40212.2 | U/P |
| 50.325 | 0.0000 | 0.0000 | 86.966 | 0.57383 | 0.00000 | 286378.1 | 219996.3 | 40212.2 | U/P |
| 50.333 | 0.0000 | 0.0000 | 86.965 | 0.57361 | 0.00000 | 286378.1 | 220013.6 | 40212.2 | U/P |
| 50.342 | 0.0000 | 0.0000 | 86.963 | 0.57339 | 0.00000 | 286378.1 | 220030.8 | 40212.2 | U/P |
| 50.350 | 0.0000 | 0.0000 | 86.961 | 0.57317 | 0.00000 | 286378.1 | 220048.0 | 40212.2 | U/P |
| 50.358 | 0.0000 | 0.0000 | 86.959 | 0.57295 | 0.00000 | 286378.1 | 220065.2 | 40212.2 | U/P |
| 50.367 | 0.0000 | 0.0000 | 86.958 | 0.57273 | 0.00000 | 286378.1 | 220082.3 | 40212.2 | U/P |
| 50.375 | 0.0000 | 0.0000 | 86.956 | 0.57251 | 0.00000 | 286378.1 | 220099.5 | 40212.2 | U/P |
| 50.383 | 0.0000 | 0.0000 | 86.954 | 0.57230 | 0.00000 | 286378.1 | 220116.7 | 40212.2 | U/P |
| 50.392 | 0.0000 | 0.0000 | 86.953 | 0.57208 | 0.00000 | 286378.1 | 220133.9 | 40212.2 | U/P |
| 50.400 | 0.0000 | 0.0000 | 86.951 | 0.57186 | 0.00000 | 286378.1 | 220151.0 | 40212.2 | U/P |
| 50.408 | 0.0000 | 0.0000 | 86.949 | 0.57164 | 0.00000 | 286378.1 | 220168.2 | 40212.2 | U/P |
| 50.417 | 0.0000 | 0.0000 | 86.947 | 0.57142 | 0.00000 | 286378.1 | 220185.3 | 40212.2 | U/P |
| 50.425 | 0.0000 | 0.0000 | 86.946 | 0.57120 | 0.00000 | 286378.1 | 220202.5 | 40212.2 | U/P |
| 50.433 | 0.0000 | 0.0000 | 86.944 | 0.57098 | 0.00000 | 286378.1 | 220219.6 | 40212.2 | U/P |
| 50.442 | 0.0000 | 0.0000 | 86.942 | 0.57076 | 0.00000 | 286378.1 | 220236.7 | 40212.2 | U/P |
| 50.450 | 0.0000 | 0.0000 | 86.940 | 0.57054 | 0.00000 | 286378.1 | 220253.8 | 40212.2 | U/P |
| 50.458 | 0.0000 | 0.0000 | 86.939 | 0.57032 | 0.00000 | 286378.1 | 220270.9 | 40212.2 | U/P |
| 50.467 | 0.0000 | 0.0000 | 86.937 | 0.57011 | 0.00000 | 286378.1 | 220288.0 | 40212.2 | U/P |
| 50.475 | 0.0000 | 0.0000 | 86.935 | 0.56989 | 0.00000 | 286378.1 | 220305.1 | 40212.2 | U/P |
| 50.483 | 0.0000 | 0.0000 | 86.933 | 0.56967 | 0.00000 | 286378.1 | 220322.2 | 40212.2 | U/P |
| 50.492 | 0.0000 | 0.0000 | 86.932 | 0.56945 | 0.00000 | 286378.1 | 220339.3 | 40212.2 | U/P |
| 50.500 | 0.0000 | 0.0000 | 86.930 | 0.56923 | 0.00000 | 286378.1 | 220356.4 | 40212.2 | U/P |
| 50.508 | 0.0000 | 0.0000 | 86.928 | 0.56901 | 0.00000 | 286378.1 | 220373.5 | 40212.2 | U/P |
| 50.517 | 0.0000 | 0.0000 | 86.926 | 0.56879 | 0.00000 | 286378.1 | 220390.5 | 40212.2 | U/P |
| 50.525 | 0.0000 | 0.0000 | 86.925 | 0.56857 | 0.00000 | 286378.1 | 220407.6 | 40212.2 | U/P |
| 50.533 | 0.0000 | 0.0000 | 86.923 | 0.56835 | 0.00000 | 286378.1 | 220424.7 | 40212.2 | U/P |
| 50.542 | 0.0000 | 0.0000 | 86.921 | 0.56813 | 0.00000 | 286378.1 | 220441.7 | 40212.2 | U/P |
| 50.550 | 0.0000 | 0.0000 | 86.920 | 0.56792 | 0.00000 | 286378.1 | 220458.8 | 40212.2 | U/P |
| 50.558 | 0.0000 | 0.0000 | 86.918 | 0.56770 | 0.00000 | 286378.1 | 220475.8 | 40212.2 | U/P |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: Pond $4100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate (f13/s) | Outside Recharge (ft/day) | Stage Elevation (fl datum) | Infiltration Rate (f13/s) | Overflow Discharge ( $\mathrm{f}{ }^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 50.567 | 0.0000 | 0.0000 | 86.916 | 0.56748 | 0.00000 | 286378.1 | 220492.8 | 40212.2 | U/P |
| 50.575 | 0.0000 | 0.0000 | 86.914 | 0.56726 | 0.00000 | 286378.1 | 220509.8 | 40212.2 | U/P |
| 50.583 | 0.0000 | 0.0000 | 86.913 | 0.56704 | 0.00000 | 286378.1 | 220526.8 | 40212.2 | U/P |
| 50.592 | 0.0000 | 0.0000 | 86.911 | 0.56682 | 0.00000 | 286378.1 | 220543.9 | 40212.2 | U/P |
| 50.600 | 0.0000 | 0.0000 | 86.909 | 0.56660 | 0.00000 | 286378.1 | 220560.9 | 40212.2 | U/P |
| 50.608 | 0.0000 | 0.0000 | 86.907 | 0.56638 | 0.00000 | 286378.1 | 220577.9 | 40212.2 | U/P |
| 50.617 | 0.0000 | 0.0000 | 86.906 | 0.56616 | 0.00000 | 286378.1 | 220594.8 | 40212.2 | U/P |
| 50.625 | 0.0000 | 0.0000 | 86.904 | 0.56595 | 0.00000 | 286378.1 | 220611.8 | 40212.2 | U/P |
| 50.633 | 0.0000 | 0.0000 | 86.902 | 0.56573 | 0.00000 | 286378.1 | 220628.8 | 40212.2 | U/P |
| 50.642 | 0.0000 | 0.0000 | 86.900 | 0.56551 | 0.00000 | 286378.1 | 220645.8 | 40212.2 | U/P |
| 50.650 | 0.0000 | 0.0000 | 86.899 | 0.56529 | 0.00000 | 286378.1 | 220662.7 | 40212.2 | U/P |
| 50.658 | 0.0000 | 0.0000 | 86.897 | 0.56507 | 0.00000 | 286378.1 | 220679.7 | 40212.2 | U/P |
| 50.667 | 0.0000 | 0.0000 | 86.895 | 0.56485 | 0.00000 | 286378.1 | 220696.6 | 40212.2 | U/P |
| 50.675 | 0.0000 | 0.0000 | 86.894 | 0.56463 | 0.00000 | 286378.1 | 220713.6 | 40212.2 | U/P |
| 50.683 | 0.0000 | 0.0000 | 86.892 | 0.56441 | 0.00000 | 286378.1 | 220730.5 | 40212.2 | U/P |
| 50.692 | 0.0000 | 0.0000 | 86.890 | 0.56419 | 0.00000 | 286378.1 | 220747.4 | 40212.2 | U/P |
| 50.700 | 0.0000 | 0.0000 | 86.888 | 0.56397 | 0.00000 | 286378.1 | 220764.4 | 40212.2 | U/P |
| 50.708 | 0.0000 | 0.0000 | 86.887 | 0.56376 | 0.00000 | 286378.1 | 220781.3 | 40212.2 | U/P |
| 50.717 | 0.0000 | 0.0000 | 86.885 | 0.56354 | 0.00000 | 286378.1 | 220798.2 | 40212.2 | U/P |
| 50.725 | 0.0000 | 0.0000 | 86.883 | 0.56332 | 0.00000 | 286378.1 | 220815.1 | 40212.2 | U/P |
| 50.733 | 0.0000 | 0.0000 | 86.881 | 0.56310 | 0.00000 | 286378.1 | 220832.0 | 40212.2 | U/P |
| 50.742 | 0.0000 | 0.0000 | 86.880 | 0.56288 | 0.00000 | 286378.1 | 220848.9 | 40212.2 | U/P |
| 50.750 | 0.0000 | 0.0000 | 86.878 | 0.56266 | 0.00000 | 286378.1 | 220865.8 | 40212.2 | U/P |
| 50.758 | 0.0000 | 0.0000 | 86.876 | 0.56244 | 0.00000 | 286378.1 | 220882.6 | 40212.2 | U/P |
| 50.767 | 0.0000 | 0.0000 | 86.874 | 0.56222 | 0.00000 | 286378.1 | 220899.5 | 40212.2 | U/P |
| 50.775 | 0.0000 | 0.0000 | 86.873 | 0.56200 | 0.00000 | 286378.1 | 220916.4 | 40212.2 | U/P |
| 50.783 | 0.0000 | 0.0000 | 86.871 | 0.56178 | 0.00000 | 286378.1 | 220933.2 | 40212.2 | U/P |
| 50.792 | 0.0000 | 0.0000 | 86.869 | 0.56157 | 0.00000 | 286378.1 | 220950.1 | 40212.2 | U/P |
| 50.800 | 0.0000 | 0.0000 | 86.867 | 0.56135 | 0.00000 | 286378.1 | 220966.9 | 40212.2 | U/P |
| 50.808 | 0.0000 | 0.0000 | 86.866 | 0.56113 | 0.00000 | 286378.1 | 220983.8 | 40212.2 | U/P |
| 50.817 | 0.0000 | 0.0000 | 86.864 | 0.56091 | 0.00000 | 286378.1 | 221000.6 | 40212.2 | U/P |
| 50.825 | 0.0000 | 0.0000 | 86.862 | 0.56069 | 0.00000 | 286378.1 | 221017.4 | 40212.2 | U/P |
| 50.833 | 0.0000 | 0.0000 | 86.861 | 0.56047 | 0.00000 | 286378.1 | 221034.2 | 40212.2 | U/P |
| 50.842 | 0.0000 | 0.0000 | 86.859 | 0.56025 | 0.00000 | 286378.1 | 221051.0 | 40212.2 | U/P |
| 50.850 | 0.0000 | 0.0000 | 86.857 | 0.56003 | 0.00000 | 286378.1 | 221067.8 | 40212.2 | U/P |
| 50.858 | 0.0000 | 0.0000 | 86.855 | 0.55981 | 0.00000 | 286378.1 | 221084.6 | 40212.2 | U/P |
| 50.867 | 0.0000 | 0.0000 | 86.854 | 0.55960 | 0.00000 | 286378.1 | 221101.4 | 40212.2 | U/P |
| 50.875 | 0.0000 | 0.0000 | 86.852 | 0.55938 | 0.00000 | 286378.1 | 221118.2 | 40212.2 | U/P |
| 50.883 | 0.0000 | 0.0000 | 86.850 | 0.55916 | 0.00000 | 286378.1 | 221135.0 | 40212.2 | U/P |
| 50.892 | 0.0000 | 0.0000 | 86.848 | 0.55894 | 0.00000 | 286378.1 | 221151.8 | 40212.2 | U/P |
| 50.900 | 0.0000 | 0.0000 | 86.847 | 0.55872 | 0.00000 | 286378.1 | 221168.5 | 40212.2 | U/P |
| 50.908 | 0.0000 | 0.0000 | 86.845 | 0.55850 | 0.00000 | 286378.1 | 221185.3 | 40212.2 | U/P |
| 50.917 | 0.0000 | 0.0000 | 86.843 | 0.55828 | 0.00000 | 286378.1 | 221202.0 | 40212.2 | U/P |
| 50.925 | 0.0000 | 0.0000 | 86.841 | 0.55806 | 0.00000 | 286378.1 | 221218.8 | 40212.2 | U/P |
| 50.933 | 0.0000 | 0.0000 | 86.840 | 0.55784 | 0.00000 | 286378.1 | 221235.5 | 40212.2 | U/P |
| 50.942 | 0.0000 | 0.0000 | 86.838 | 0.55762 | 0.00000 | 286378.1 | 221252.3 | 40212.2 | U/P |
| 50.950 | 0.0000 | 0.0000 | 86.836 | 0.55741 | 0.00000 | 286378.1 | 221269.0 | 40212.2 | U/P |
| 50.958 | 0.0000 | 0.0000 | 86.834 | 0.55719 | 0.00000 | 286378.1 | 221285.7 | 40212.2 | U/P |
| 50.967 | 0.0000 | 0.0000 | 86.833 | 0.55697 | 0.00000 | 286378.1 | 221302.4 | 40212.2 | U/P |
| 50.975 | 0.0000 | 0.0000 | 86.831 | 0.55675 | 0.00000 | 286378.1 | 221319.1 | 40212.2 | U/P |
| 50.983 | 0.0000 | 0.0000 | 86.829 | 0.55653 | 0.00000 | 286378.1 | 221335.8 | 40212.2 | U/P |
| 50.992 | 0.0000 | 0.0000 | 86.828 | 0.55631 | 0.00000 | 286378.1 | 221352.5 | 40212.2 | U/P |
| 51.000 | 0.0000 | 0.0000 | 86.826 | 0.55609 | 0.00000 | 286378.1 | 221369.2 | 40212.2 | U/P |
| 51.008 | 0.0000 | 0.0000 | 86.824 | 0.55587 | 0.00000 | 286378.1 | 221385.9 | 40212.2 | U/P |
| 51.017 | 0.0000 | 0.0000 | 86.822 | 0.55565 | 0.00000 | 286378.1 | 221402.5 | 40212.2 | U/P |
| 51.025 | 0.0000 | 0.0000 | 86.821 | 0.55543 | 0.00000 | 286378.1 | 221419.2 | 40212.2 | U/P |
| 51.033 | 0.0000 | 0.0000 | 86.819 | 0.55522 | 0.00000 | 286378.1 | 221435.9 | 40212.2 | U/P |
| 51.042 | 0.0000 | 0.0000 | 86.817 | 0.55500 | 0.00000 | 286378.1 | 221452.5 | 40212.2 | U/P |
| 51.050 | 0.0000 | 0.0000 | 86.815 | 0.55478 | 0.00000 | 286378.1 | 221469.2 | 40212.2 | U/P |
| 51.058 | 0.0000 | 0.0000 | 86.814 | 0.55456 | 0.00000 | 286378.1 | 221485.8 | 40212.2 | U/P |
| 51.067 | 0.0000 | 0.0000 | 86.812 | 0.55434 | 0.00000 | 286378.1 | 221502.5 | 40212.2 | U/P |
| 51.075 | 0.0000 | 0.0000 | 86.810 | 0.55412 | 0.00000 | 286378.1 | 221519.1 | 40212.2 | U/P |
| 51.083 | 0.0000 | 0.0000 | 86.808 | 0.55390 | 0.00000 | 286378.1 | 221535.7 | 40212.2 | U/P |
| 51.092 | 0.0000 | 0.0000 | 86.807 | 0.55368 | 0.00000 | 286378.1 | 221552.3 | 40212.2 | U/P |
| 51.100 | 0.0000 | 0.0000 | 86.805 | 0.55346 | 0.00000 | 286378.1 | 221568.9 | 40212.2 | U/P |
| 51.108 | 0.0000 | 0.0000 | 86.803 | 0.55324 | 0.00000 | 286378.1 | 221585.5 | 40212.2 | U/P |
| 51.117 | 0.0000 | 0.0000 | 86.801 | 0.55303 | 0.00000 | 286378.1 | 221602.1 | 40212.2 | U/P |
| 51.125 | 0.0000 | 0.0000 | 86.800 | 0.55281 | 0.00000 | 286378.1 | 221618.7 | 40212.2 | U/P |
| 51.133 | 0.0000 | 0.0000 | 86.798 | 0.55259 | 0.00000 | 286378.1 | 221635.3 | 40212.2 | U/P |
| 51.142 | 0.0000 | 0.0000 | 86.796 | 0.55237 | 0.00000 | 286378.1 | 221651.9 | 40212.2 | U/P |
| 51.150 | 0.0000 | 0.0000 | 86.795 | 0.55215 | 0.00000 | 286378.1 | 221668.4 | 40212.2 | U/P |
| 51.158 | 0.0000 | 0.0000 | 86.793 | 0.55193 | 0.00000 | 286378.1 | 221685.0 | 40212.2 | U/P |
| 51.167 | 0.0000 | 0.0000 | 86.791 | 0.55171 | 0.00000 | 286378.1 | 221701.5 | 40212.2 | U/P |
| 51.175 | 0.0000 | 0.0000 | 86.789 | 0.55149 | 0.00000 | 286378.1 | 221718.1 | 40212.2 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $4100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate (fi3/s) | Outside Recharge (fU/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 /} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 51.183 | 0.0000 | 0.0000 | 86.788 | 0.55127 | 0.00000 | 286378.1 | 221734.6 | 40212.2 | U/P |
| 51.192 | 0.0000 | 0.0000 | 86.786 | 0.55106 | 0.00000 | 286378.1 | 221751.2 | 40212.2 | U/P |
| 51.200 | 0.0000 | 0.0000 | 86.784 | 0.55084 | 0.00000 | 286378.1 | 221767.7 | 40212.2 | U/P |
| 51.208 | 0.0000 | 0.0000 | 86.782 | 0.55062 | 0.00000 | 286378.1 | 221784.2 | 40212.2 | U/P |
| 51.217 | 0.0000 | 0.0000 | 86.781 | 0.55040 | 0.00000 | 286378.1 | 221800.7 | 40212.2 | U/P |
| 51.225 | 0.0000 | 0.0000 | 86.779 | 0.55018 | 0.00000 | 286378.1 | 221817.2 | 40212.2 | U/P |
| 51.233 | 0.0000 | 0.0000 | 86.777 | 0.54996 | 0.00000 | 286378.1 | 221833.7 | 40212.2 | U/P |
| 51.242 | 0.0000 | 0.0000 | 86.775 | 0.54974 | 0.00000 | 286378.1 | 221850.2 | 40212.2 | U/P |
| 51.250 | 0.0000 | 0.0000 | 86.774 | 0.54952 | 0.00000 | 286378.1 | 221866.7 | 40212.2 | U/P |
| 51.258 | 0.0000 | 0.0000 | 86.772 | 0.54930 | 0.00000 | 286378.1 | 221883.2 | 40212.2 | U/P |
| 51.267 | 0.0000 | 0.0000 | 86.770 | 0.54908 | 0.00000 | 286378.1 | 221899.7 | 40212.2 | U/P |
| 51.275 | 0.0000 | 0.0000 | 86.768 | 0.54887 | 0.00000 | 286378.1 | 221916.2 | 40212.2 | U/P |
| 51.283 | 0.0000 | 0.0000 | 86.767 | 0.54865 | 0.00000 | 286378.1 | 221932.6 | 40212.2 | U/P |
| 51.292 | 0.0000 | 0.0000 | 86.765 | 0.54843 | 0.00000 | 286378.1 | 221949.1 | 40212.2 | U/P |
| 51.300 | 0.0000 | 0.0000 | 86.763 | 0.54821 | 0.00000 | 286378.1 | 221965.5 | 40212.2 | U/P |
| 51.308 | 0.0000 | 0.0000 | 86.762 | 0.54799 | 0.00000 | 286378.1 | 221982.0 | 40212.2 | U/P |
| 51.317 | 0.0000 | 0.0000 | 86.760 | 0.54777 | 0.00000 | 286378.1 | 221998.4 | 40212.2 | U/P |
| 51.325 | 0.0000 | 0.0000 | 86.758 | 0.54755 | 0.00000 | 286378.1 | 222014.8 | 40212.2 | U/P |
| 51.333 | 0.0000 | 0.0000 | 86.756 | 0.54733 | 0.00000 | 286378.1 | 222031.3 | 40212.2 | U/P |
| 51.342 | 0.0000 | 0.0000 | 86.755 | 0.54711 | 0.00000 | 286378.1 | 222047.7 | 40212.2 | U/P |
| 51.350 | 0.0000 | 0.0000 | 86.753 | 0.54689 | 0.00000 | 286378.1 | 222064.1 | 40212.2 | U/P |
| 51.358 | 0.0000 | 0.0000 | 86.751 | 0.54668 | 0.00000 | 286378.1 | 222080.5 | 40212.2 | U/P |
| 51.367 | 0.0000 | 0.0000 | 86.749 | 0.54646 | 0.00000 | 286378.1 | 222096.9 | 40212.2 | U/P |
| 51.375 | 0.0000 | 0.0000 | 86.748 | 0.54624 | 0.00000 | 286378.1 | 222113.3 | 40212.2 | U/P |
| 51.383 | 0.0000 | 0.0000 | 86.746 | 0.54602 | 0.00000 | 286378.1 | 222129.7 | 40212.2 | U/P |
| 51.392 | 0.0000 | 0.0000 | 86.744 | 0.54580 | 0.00000 | 286378.1 | 222146.0 | 40212.2 | U/P |
| 51.400 | 0.0000 | 0.0000 | 86.742 | 0.54558 | 0.00000 | 286378.1 | 222162.4 | 40212.2 | U/P |
| 51.408 | 0.0000 | 0.0000 | 86.741 | 0.54536 | 0.00000 | 286378.1 | 222178.8 | 40212.2 | U/P |
| 51.417 | 0.0000 | 0.0000 | 86.739 | 0.54514 | 0.00000 | 286378.1 | 222195.1 | 40212.2 | U/P |
| 51.425 | 0.0000 | 0.0000 | 86.737 | 0.54492 | 0.00000 | 286378.1 | 222211.5 | 40212.2 | U/P |
| 51.433 | 0.0000 | 0.0000 | 86.735 | 0.54471 | 0.00000 | 286378.1 | 222227.8 | 40212.2 | U/P |
| 51.442 | 0.0000 | 0.0000 | 86.734 | 0.54449 | 0.00000 | 286378.1 | 222244.2 | 40212.2 | U/P |
| 51.450 | 0.0000 | 0.0000 | 86.732 | 0.54427 | 0.00000 | 286378.1 | 222260.5 | 40212.2 | U/P |
| 51.458 | 0.0000 | 0.0000 | 86.730 | 0.54405 | 0.00000 | 286378.1 | 222276.8 | 40212.2 | U/P |
| 51.467 | 0.0000 | 0.0000 | 86.729 | 0.54383 | 0.00000 | 286378.1 | 222293.1 | 40212.2 | U/P |
| 51.475 | 0.0000 | 0.0000 | 86.727 | 0.54361 | 0.00000 | 286378.1 | 222309.4 | 40212.2 | U/P |
| 51.483 | 0.0000 | 0.0000 | 86.725 | 0.54339 | 0.00000 | 286378.1 | 222325.8 | 40212.2 | U/P |
| 51.492 | 0.0000 | 0.0000 | 86.723 | 0.54317 | 0.00000 | 286378.1 | 222342.0 | 40212.2 | U/P |
| 51.500 | 0.0000 | 0.0000 | 86.722 | 0.54295 | 0.00000 | 286378.1 | 222358.3 | 40212.2 | U/P |
| 51.508 | 0.0000 | 0.0000 | 86.720 | 0.54273 | 0.00000 | 286378.1 | 222374.6 | 40212.2 | U/P |
| 51.517 | 0.0000 | 0.0000 | 86.718 | 0.54252 | 0.00000 | 286378.1 | 222390.9 | 40212.2 | U/P |
| 51.525 | 0.0000 | 0.0000 | 86.716 | 0.54230 | 0.00000 | 286378.1 | 222407.2 | 40212.2 | U/P |
| 51.533 | 0.0000 | 0.0000 | 86.715 | 0.54208 | 0.00000 | 286378.1 | 222423.4 | 40212.2 | U/P |
| 51.542 | 0.0000 | 0.0000 | 86.713 | 0.54186 | 0.00000 | 286378.1 | 222439.7 | 40212.2 | U/P |
| 51.550 | 0.0000 | 0.0000 | 86.711 | 0.54164 | 0.00000 | 286378.1 | 222456.0 | 40212.2 | U/P |
| 51.558 | 0.0000 | 0.0000 | 86.709 | 0.54142 | 0.00000 | 286378.1 | 222472.2 | 40212.2 | U/P |
| 51.567 | 0.0000 | 0.0000 | 86.708 | 0.54120 | 0.00000 | 286378.1 | 222488.4 | 40212.2 | U/P |
| 51.575 | 0.0000 | 0.0000 | 86.706 | 0.54098 | 0.00000 | 286378.1 | 222504.7 | 40212.2 | U/P |
| 51.583 | 0.0000 | 0.0000 | 86.704 | 0.54076 | 0.00000 | 286378.1 | 222520.9 | 40212.2 | U/P |
| 51.592 | 0.0000 | 0.0000 | 86.702 | 0.54054 | 0.00000 | 286378.1 | 222537.1 | 40212.2 | U/P |
| 51.600 | 0.0000 | 0.0000 | 86.701 | 0.54033 | 0.00000 | 286378.1 | 222553.3 | 40212.2 | U/P |
| 51.608 | 0.0000 | 0.0000 | 86.699 | 0.54011 | 0.00000 | 286378.1 | 222569.5 | 40212.2 | U/P |
| 51.617 | 0.0000 | 0.0000 | 86.697 | 0.53989 | 0.00000 | 286378.1 | 222585.7 | 40212.2 | U/P |
| 51.625 | 0.0000 | 0.0000 | 86.696 | 0.53967 | 0.00000 | 286378.1 | 222601.9 | 40212.2 | U/P |
| 51.633 | 0.0000 | 0.0000 | 86.694 | 0.53945 | 0.00000 | 286378.1 | 222618.1 | 40212.2 | U/P |
| 51.642 | 0.0000 | 0.0000 | 86.692 | 0.53923 | 0.00000 | 286378.1 | 222634.3 | 40212.2 | U/P |
| 51.650 | 0.0000 | 0.0000 | 86.690 | 0.53901 | 0.00000 | 286378.1 | 222650.5 | 40212.2 | U/P |
| 51.658 | 0.0000 | 0.0000 | 86.689 | 0.53879 | 0.00000 | 286378.1 | 222666.6 | 40212.2 | U/P |
| 51.667 | 0.0000 | 0.0000 | 86.687 | 0.53857 | 0.00000 | 286378.1 | 222682.8 | 40212.2 | U/P |
| 51.675 | 0.0000 | 0.0000 | 86.685 | 0.53836 | 0.00000 | 286378.1 | 222699.0 | 40212.2 | U/P |
| 51.683 | 0.0000 | 0.0000 | 86.683 | 0.53814 | 0.00000 | 286378.1 | 222715.1 | 40212.2 | U/P |
| 51.692 | 0.0000 | 0.0000 | 86.682 | 0.53792 | 0.00000 | 286378.1 | 222731.2 | 40212.2 | U/P |
| 51.700 | 0.0000 | 0.0000 | 86.680 | 0.53770 | 0.00000 | 286378.1 | 222747.4 | 40212.2 | U/P |
| 51.708 | 0.0000 | 0.0000 | 86.678 | 0.53748 | 0.00000 | 286378.1 | 222763.5 | 40212.2 | U/P |
| 51.717 | 0.0000 | 0.0000 | 86.676 | 0.53726 | 0.00000 | 286378.1 | 222779.6 | 40212.2 | U/P |
| 51.725 | 0.0000 | 0.0000 | 86.675 | 0.53704 | 0.00000 | 286378.1 | 222795.7 | 40212.2 | U/P |
| 51.733 | 0.0000 | 0.0000 | 86.673 | 0.53682 | 0.00000 | 286378.1 | 222811.8 | 40212.2 | U/P |
| 51.742 | 0.0000 | 0.0000 | 86.671 | 0.53660 | 0.00000 | 286378.1 | 222827.9 | 40212.2 | U/P |
| 51.750 | 0.0000 | 0.0000 | 86.669 | 0.53638 | 0.00000 | 286378.1 | 222844.0 | 40212.2 | U/P |
| 51.758 | 0.0000 | 0.0000 | 86.668 | 0.53617 | 0.00000 | 286378.1 | 222860.1 | 40212.2 | U/P |
| 51.767 | 0.0000 | 0.0000 | 86.666 | 0.53595 | 0.00000 | 286378.1 | 222876.2 | 40212.2 | U/P |
| 51.775 | 0.0000 | 0.0000 | 86.664 | 0.53573 | 0.00000 | 286378.1 | 222892.3 | 40212.2 | U/P |
| 51.783 | 0.0000 | 0.0000 | 86.663 | 0.53551 | 0.00000 | 286378.1 | 222908.4 | 40212.2 | U/P |
| 51.792 | 0.0000 | 0.0000 | 86.661 | 0.53529 | 0.00000 | 286378.1 | 222924.4 | 40212.2 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $4100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | inflow Rate (flis ) | Outside Recharge (ft/day) | Stage Elevation (fl datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overfiow Discharge (ft ${ }^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infilitration Volume (fis) | Cumulative Discharge Volume ( $\mathrm{H}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 51.800 | 0.0000 | 0.0000 | 86.659 | 0.53507 | 0.00000 | 286378.1 | 222940.5 | 40212.2 | U/P |
| 51.808 | 0.0000 | 0.0000 | 86.657 | 0.53485 | 0.00000 | 286378.1 | 222956.5 | 40212.2 | U/P |
| 51.817 | 0.0000 | 0.0000 | 86.656 | 0.53463 | 0.00000 | 286378.1 | 222972.6 | 40212.2 | U/P |
| 51.825 | 0.0000 | 0.0000 | 86.654 | 0.53441 | 0.00000 | 286378.1 | 222988.6 | 40212.2 | U/P |
| 51.833 | 0.0000 | 0.0000 | 86.652 | 0.53419 | 0.00000 | 286378.1 | 223004.6 | 40212.2 | U/P |
| 51.842 | 0.0000 | 0.0000 | 86.650 | 0.53398 | 0.00000 | 286378.1 | 223020.6 | 40212.2 | U/P |
| 51.850 | 0.0000 | 0.0000 | 86.649 | 0.53376 | 0.00000 | 286378.1 | 223036.7 | 40212.2 | U/P |
| 51.858 | 0.0000 | 0.0000 | 86.647 | 0.53354 | 0.00000 | 286378.1 | 223052.7 | 40212.2 | U/P |
| 51.867 | 0.0000 | 0.0000 | 86.645 | 0.53332 | 0.00000 | 286378.1 | 223068.7 | 40212.2 | U/P |
| 51.875 | 0.0000 | 0.0000 | 86.643 | 0.53310 | 0.00000 | 286378.1 | 223084.7 | 40212.2 | U/P |
| 51.883 | 0.0000 | 0.0000 | 86.642 | 0.53288 | 0.00000 | 286378.1 | 223100.7 | 40212.2 | U/P |
| 51.892 | 0.0000 | 0.0000 | 86.640 | 0.53266 | 0.00000 | 286378.1 | 223116.6 | 40212.2 | U/P |
| 51.900 | 0.0000 | 0.0000 | 86.638 | 0.53244 | 0.00000 | 286378.1 | 223132.6 | 40212.2 | U/P |
| 51.908 | 0.0000 | 0.0000 | 86.637 | 0.53222 | 0.00000 | 286378.1 | 223148.6 | 40212.2 | U/P |
| 51.917 | 0.0000 | 0.0000 | 86.635 | 0.53201 | 0.00000 | 286378.1 | 223164.6 | 40212.2 | U/P |
| 51.925 | 0.0000 | 0.0000 | 86.633 | 0.53179 | 0.00000 | 286378.1 | 223180.5 | 40212.2 | U/P |
| 51.933 | 0.0000 | 0.0000 | 86.631 | 0.53157 | 0.00000 | 286378.1 | 223196.5 | 40212.2 | U/P |
| 51.942 | 0.0000 | 0.0000 | 86.630 | 0.53135 | 0.00000 | 286378.1 | 223212.4 | 40212.2 | U/P |
| 51.950 | 0.0000 | 0.0000 | 86.628 | 0.53113 | 0.00000 | 286378.1 | 223228.3 | 40212.2 | U/P |
| 51.958 | 0.0000 | 0.0000 | 86.626 | 0.53091 | 0.00000 | 286378.1 | 223244.3 | 40212.2 | U/P |
| 51.967 | 0.0000 | 0.0000 | 86.624 | 0.53069 | 0.00000 | 286378.1 | 223260.2 | 40212.2 | U/P |
| 51.975 | 0.0000 | 0.0000 | 86.623 | 0.53047 | 0.00000 | 286378.1 | 223276.1 | 40212.2 | U/P |
| 51.983 | 0.0000 | 0.0000 | 86.621 | 0.53025 | 0.00000 | 286378.1 | 223292.0 | 40212.2 | U/P |
| 51.992 | 0.0000 | 0.0000 | 86.619 | 0.53003 | 0.00000 | 286378.1 | 223307.9 | 40212.2 | U/P |
| 52.000 | 0.0000 | 0.0000 | 86.617 | 0.52982 | 0.00000 | 286378.1 | 223323.8 | 40212.2 | U/P |
| 52.008 | 0.0000 | 0.0000 | 86.616 | 0.52960 | 0.00000 | 286378.1 | 223339.7 | 40212.2 | U/P |
| 52.017 | 0.0000 | 0.0000 | 86.614 | 0.52938 | 0.00000 | 286378.1 | 223355.6 | 40212.2 | U/P |
| 52.025 | 0.0000 | 0.0000 | 86.612 | 0.52916 | 0.00000 | 286378.1 | 223371.5 | 40212.2 | U/P |
| 52.033 | 0.0000 | 0.0000 | 86.610 | 0.52894 | 0.00000 | 286378.1 | 223387.4 | 40212.2 | U/P |
| 52.042 | 0.0000 | 0.0000 | 86.609 | 0.52872 | 0.00000 | 286378.1 | 223403.2 | 40212.2 | U/P |
| 52.050 | 0.0000 | 0.0000 | 86.607 | 0.52850 | 0.00000 | 286378.1 | 223419.1 | 40212.2 | U/P |
| 52.058 | 0.0000 | 0.0000 | 86.605 | 0.52828 | 0.00000 | 286378.1 | 223434.9 | 40212.2 | U/P |
| 52.067 | 0.0000 | 0.0000 | 86.604 | 0.52806 | 0.00000 | 286378.1 | 223450.8 | 40212.2 | U/P |
| 52.075 | 0.0000 | 0.0000 | 86.602 | 0.52784 | 0.00000 | 286378.1 | 223466.6 | 40212.2 | U/P |
| 52.083 | 0.0000 | 0.0000 | 86.600 | 0.52763 | 0.00000 | 286378.1 | 223482.4 | 40212.2 | U/P |
| 52.092 | 0.0000 | 0.0000 | 86.598 | 0.52741 | 0.00000 | 286378.1 | 223498.3 | 40212.2 | U/P |
| 52.100 | 0.0000 | 0.0000 | 86.597 | 0.52719 | 0.00000 | 286378.1 | 223514.1 | 40212.2 | U/P |
| 52.108 | 0.0000 | 0.0000 | 86.595 | 0.52697 | 0.00000 | 286378.1 | 223529.9 | 40212.2 | U/P |
| 52.117 | 0.0000 | 0.0000 | 86.593 | 0.52675 | 0.00000 | 286378.1 | 223545.7 | 40212.2 | U/P |
| 52.125 | 0.0000 | 0.0000 | 86.591 | 0.52653 | 0.00000 | 286378.1 | 223561.5 | 40212.2 | U/P |
| 52.133 | 0.0000 | 0.0000 | 86.590 | 0.52631 | 0.00000 | 286378.1 | 223577.3 | 40212.2 | U/P |
| 52.142 | 0.0000 | 0.0000 | 86.588 | 0.52609 | 0.00000 | 286378.1 | 223593.1 | 40212.2 | U/P |
| 52.150 | 0.0000 | 0.0000 | 86.586 | 0.52587 | 0.00000 | 286378.1 | 223608.9 | 40212.2 | U/P |
| 52.158 | 0.0000 | 0.0000 | 86.584 | 0.52566 | 0.00000 | 286378.1 | 223624.6 | 40212.2 | U/P |
| 52.167 | 0.0000 | 0.0000 | 86.583 | 0.52544 | 0.00000 | 286378.1 | 223640.4 | 40212.2 | U/P |
| 52.175 | 0.0000 | 0.0000 | 86.581 | 0.52522 | 0.00000 | 286378.1 | 223656.2 | 40212.2 | U/P |
| 52.183 | 0.0000 | 0.0000 | 86.579 | 0.52500 | 0.00000 | 286378.1 | 223671.9 | 40212.2 | U/P |
| 52.192 | 0.0000 | 0.0000 | 86.577 | 0.52478 | 0.00000 | 286378.1 | 223687.7 | 40212.2 | U/P |
| 52.200 | 0.0000 | 0.0000 | 86.576 | 0.52456 | 0.00000 | 286378.1 | 223703.4 | 40212.2 | U/P |
| 52.208 | 0.0000 | 0.0000 | 86.574 | 0.52434 | 0.00000 | 286378.1 | 223719.1 | 40212.2 | U/P |
| 52.217 | 0.0000 | 0.0000 | 86.572 | 0.52412 | 0.00000 | 286378.1 | 223734.9 | 40212.2 | U/P |
| 52.225 | 0.0000 | 0.0000 | 86.571 | 0.52390 | 0.00000 | 286378.1 | 223750.6 | 40212.2 | U/P |
| 52.233 | 0.0000 | 0.0000 | 86.569 | 0.52368 | 0.00000 | 286378.1 | 223766.3 | 40212.2 | U/P |
| 52.242 | 0.0000 | 0.0000 | 86.567 | 0.52347 | 0.00000 | 286378.1 | 223782.0 | 40212.2 | U/P |
| 52.250 | 0.0000 | 0.0000 | 86.565 | 0.52325 | 0.00000 | 286378.1 | 223797.7 | 40212.2 | U/P |
| 52.258 | 0.0000 | 0.0000 | 86.564 | 0.52303 | 0.00000 | 286378.1 | 223813.4 | 40212.2 | U/P |
| 52.267 | 0.0000 | 0.0000 | 86.562 | 0.52281 | 0.00000 | 286378.1 | 223829.1 | 40212.2 | U/P |
| 52.275 | 0.0000 | 0.0000 | 86.560 | 0.52259 | 0.00000 | 286378.1 | 223844.8 | 40212.2 | U/P |
| 52.283 | 0.0000 | 0.0000 | 86.558 | 0.52237 | 0.00000 | 286378.1 | 223860.4 | 40212.2 | U/P |
| 52.292 | 0.0000 | 0.0000 | 86.557 | 0.52215 | 0.00000 | 286378.1 | 223876.1 | 40212.2 | U/P |
| 52.300 | 0.0000 | 0.0000 | 86.555 | 0.52193 | 0.00000 | 286378.1 | 223891.8 | 40212.2 | U/P |
| 52.308 | 0.0000 | 0.0000 | 86.553 | 0.52171 | 0.00000 | 286378.1 | 223907.4 | 40212.2 | U/P |
| 52.317 | 0.0000 | 0.0000 | 86.551 | 0.52149 | 0.00000 | 286378.1 | 223923.1 | 40212.2 | U/P |
| 52.325 | 0.0000 | 0.0000 | 86.550 | 0.52128 | 0.00000 | 286378.1 | 223938.7 | 40212.2 | U/P |
| 52.333 | 0.0000 | 0.0000 | 86.548 | 0.52106 | 0.00000 | 286378.1 | 223954.4 | 40212.2 | U/P |
| 52.342 | 0.0000 | 0.0000 | 86.546 | 0.52084 | 0.00000 | 286378.1 | 223970.0 | 40212.2 | U/P |
| 52.350 | 0.0000 | 0.0000 | 86.544 | 0.52062 | 0.00000 | 286378.1 | 223985.6 | 40212.2 | U/P |
| 52.358 | 0.0000 | 0.0000 | 86.543 | 0.52040 | 0.00000 | 286378.1 | 224001.2 | 40212.2 | U/P |
| 52.367 | 0.0000 | 0.0000 | 86.541 | 0.52018 | 0.00000 | 286378.1 | 224016.8 | 40212.2 | $U / P$ |
| 52.375 | 0.0000 | 0.0000 | 86.539 | 0.51996 | 0.00000 | 286378.1 | 224032.4 | 40212.2 | U/P |
| 52.383 | 0.0000 | 0.0000 | 86.538 | 0.51974 | 0.00000 | 286378.1 | 224048.0 | 40212.2 | U/P |
| 52.392 | 0.0000 | 0.0000 | 86.536 | 0.51952 | 0.00000 | 286378.1 | 224063.6 | 40212.2 | U/P |
| 52.400 | 0.0000 | 0.0000 | 86.534 | 0.51931 | 0.00000 | 286378.1 | 224079.2 | 40212.2 | U/P |
| 52.408 | 0.0000 | 0.0000 | 86.532 | 0.51909 | 0.00000 | 286378.1 | 224094.8 | 40212.2 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: Pond $4100 \mathrm{yr} / 24 \mathrm{hr}$


PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $4100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 /} / \mathrm{s}$ ) | Outside Recharge (fl/day) | Stage Elevation (ft datum) | Infilitration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume (ft ${ }^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 53.033 | 0.0000 | 0.0000 | 86.402 | 0.50266 | 0.00000 | 286378.1 | 225244.2 | 40212.2 | U/P |
| 53.042 | 0.0000 | 0.0000 | 86.400 | 0.50244 | 0.00000 | 286378.1 | 225259.3 | 40212.2 | U/P |
| 53.050 | 0.0000 | 0.0000 | 86.399 | 0.50223 | 0.00000 | 286378.1 | 225274.4 | 40212.2 | U/P |
| 53.058 | 0.0000 | 0.0000 | 86.397 | 0.50201 | 0.00000 | 286378.1 | 225289.5 | 40212.2 | U/P |
| 53.067 | 0.0000 | 0.0000 | 86.395 | 0.50179 | 0.00000 | 286378.1 | 225304.5 | 40212.2 | U/P |
| 53.075 | 0.0000 | 0.0000 | 86.393 | 0.50157 | 0.00000 | 286378.1 | 225319.6 | 40212.2 | U/P |
| 53.083 | 0.0000 | 0.0000 | 86.392 | 0.50135 | 0.00000 | 286378.1 | 225334.6 | 40212.2 | U/P |
| 53.092 | 0.0000 | 0.0000 | 86.390 | 0.50113 | 0.00000 | 286378.1 | 225349.6 | 40212.2 | U/P |
| 53.100 | 0.0000 | 0.0000 | 86.388 | 0.50091 | 0.00000 | 286378.1 | 225364.7 | 40212.2 | U/P |
| 53.108 | 0.0000 | 0.0000 | 86.386 | 0.50069 | 0.00000 | 286378.1 | 225379.7 | 40212.2 | U/P |
| 53.117 | 0.0000 | 0.0000 | 86.385 | 0.50047 | 0.00000 | 286378.1 | 225394.7 | 40212.2 | U/P |
| 53.125 | 0.0000 | 0.0000 | 86.383 | 0.50025 | 0.00000 | 286378.1 | 225409.7 | 40212.2 | U/P |
| 53.133 | 0.0000 | 0.0000 | 86.381 | 0.50004 | 0.00000 | 286378.1 | 225424.7 | 40212.2 | U/P |
| 53.142 | 0.0000 | 0.0000 | 86.380 | 0.49982 | 0.00000 | 286378.1 | 225439.7 | 40212.2 | U/P |
| 53.150 | 0.0000 | 0.0000 | 86.378 | 0.49960 | 0.00000 | 286378.1 | 225454.7 | 40212.2 | U/P |
| 53.158 | 0.0000 | 0.0000 | 86.376 | 0.49938 | 0.00000 | 286378.1 | 225469.7 | 40212.2 | U/P |
| 53.167 | 0.0000 | 0.0000 | 86.374 | 0.49916 | 0.00000 | 286378.1 | 225484.7 | 40212.2 | U/P |
| 53.175 | 0.0000 | 0.0000 | 86.373 | 0.49894 | 0.00000 | 286378.1 | 225499.7 | 40212.2 | U/P |
| 53.183 | 0.0000 | 0.0000 | 86.371 | 0.49872 | 0.00000 | 286378.1 | 225514.6 | 40212.2 | U/P |
| 53.192 | 0.0000 | 0.0000 | 86.369 | 0.49850 | 0.00000 | 286378.1 | 225529.6 | 40212.2 | U/P |
| 53.200 | 0.0000 | 0.0000 | 86.367 | 0.49828 | 0.00000 | 286378.1 | 225544.5 | 40212.2 | U/P |
| 53.208 | 0.0000 | 0.0000 | 86.366 | 0.49806 | 0.00000 | 286378.1 | 225559.5 | 40212.2 | U/P |
| 53.217 | 0.0000 | 0.0000 | 86.364 | 0.49785 | 0.00000 | 286378.1 | 225574.4 | 40212.2 | U/P |
| 53.225 | 0.0000 | 0.0000 | 86.362 | 0.49763 | 0.00000 | 286378.1 | 225589.3 | 40212.2 | U/P |
| 53.233 | 0.0000 | 0.0000 | 86.360 | 0.49741 | 0.00000 | 286378.1 | 225604.3 | 40212.2 | U/P |
| 53.242 | 0.0000 | 0.0000 | 86.359 | 0.49719 | 0.00000 | 286378.1 | 225619.2 | 40212.2 | U/P |
| 53.250 | 0.0000 | 0.0000 | 86.357 | 0.49697 | 0.00000 | 286378.1 | 225634.1 | 40212.2 | U/P |
| 53.258 | 0.0000 | 0.0000 | 86.355 | 0.49675 | 0.00000 | 286378.1 | 225649.0 | 40212.2 | U/P |
| 53.267 | 0.0000 | 0.0000 | 86.353 | 0.49653 | 0.00000 | 286378.1 | 225663.9 | 40212.2 | U/P |
| 53.275 | 0.0000 | 0.0000 | 86.352 | 0.49631 | 0.00000 | 286378.1 | 225678.8 | 40212.2 | U/P |
| 53.283 | 0.0000 | 0.0000 | 86.350 | 0.49609 | 0.00000 | 286378.1 | 225693.7 | 40212.2 | U/P |
| 53.292 | 0.0000 | 0.0000 | 86.348 | 0.49588 | 0.00000 | 286378.1 | 225708.6 | 40212.2 | U/P |
| 53.300 | 0.0000 | 0.0000 | 86.347 | 4.83792 | 0.00000 | 286378.1 | 225723.4 | 40212,2 | U/P |
| 53.308 | 0.0000 | 0.0000 | 86.314 | 10.84164 | 0.00000 | 286378.1 | 225998.8 | 40212.2 | U/S |
| 53.317 | 0.0000 | 0.0000 | 86.270 | 14.88525 | 0.00000 | 286378.1 | 226373.9 | 40212.2 | S |
| 53.325 | 0.0000 | 0.0000 | 86.208 | 20.04634 | 0.00000 | 286378.1 | 226892.0 | 40212.2 | S |
| 53.333 | 0.0000 | 0.0000 | 86.124 | 25.73195 | 0.00000 | 286378.1 | 227576.7 | 40212.2 | S |
| 53.342 | 0.0000 | 0.0000 | 86.016 | 31.26121 | 0.00000 | 286378.1 | 228435.9 | 40212.2 | S |
| 53.350 | 0.0000 | 0.0000 | 85.884 | 35.78750 | 0.00000 | 286378.1 | 229452.4 | 40212.2 | S |
| 53.358 | 0.0000 | 0.0000 | 85.732 | 38.58118 | 0.00000 | 286378.1 | 230583.1 | 40212.2 | S |
| 53.367 | 0.0000 | 0.0000 | 85.566 | 39.30594 | 0.00000 | 286378.1 | 231767.3 | 40212.2 | S |
| 53.375 | 0.0000 | 0.0000 | 85.393 | 38.12125 | 0.00000 | 286378.1 | 232941.5 | 40212.2 | S |
| 53.383 | 0.0000 | 0.0000 | 85.222 | 35.56554 | 0.00000 | 286378.1 | 234054.5 | 40212.2 | S |
| 53.392 | 0.0000 | 0.0000 | 85.056 | 32.31988 | 0.00000 | 286378.1 | 235075.4 | 40212.2 | S |
| 53.400 | 0.0000 | 0.0000 | 84.898 | 28.99158 | 0.00000 | 286378.1 | 235993.7 | 40212.2 | S |
| 53.408 | 0.0000 | 0.0000 | 84.752 | 25.99337 | 0.00000 | 286378.1 | 236814.9 | 40212.2 | \$ |
| 53.417 | 0.0000 | 0.0000 | 84.614 | 23.52417 | 0.00000 | 286378.1 | 237553.3 | 40212.2 | S |
| 53.425 | 0.0000 | 0.0000 | 84.482 | 21.61488 | 0.00000 | 286378.1 | 238226.3 | 40212.2 | S |
| 53.433 | 0.0000 | 0.0000 | 84.355 | 20.19363 | 0.00000 | 286378.1 | 238850.2 | 40212.2 | S |
| 53.442 | 0.0000 | 0.0000 | 84.230 | 19.14421 | 0.00000 | 286378.1 | 239438.0 | 40212.2 | S |
| 53.450 | 0.0000 | 0.0000 | 84.105 | 18.34659 | 0.00000 | 286378.1 | 239998.9 | 40212.2 | S |
| 53.458 | 0.0000 | 0.0000 | 83.979 | 17.70009 | 0.00000 | 286378.1 | 240538.8 | 40212.2 | S |
| 53.467 | 0.0000 | 0.0000 | 83.852 | 17.13076 | 0.00000 | 286378.1 | 241060.9 | 40212.2 | S |
| 53.475 | 0.0000 | 0.0000 | 83.722 | 16.58893 | 0.00000 | 286378.1 | 241566.6 | 40212.2 | S |
| 53.483 | 0.0000 | 0.0000 | 83.591 | 16.04532 | 0.00000 | 286378.1 | 242056.2 | 40212.2 | S |
| 53.492 | 0.0000 | 0.0000 | 83.457 | 15.48629 | 0.00000 | 286378.1 | 242529.3 | 40212.2 | S |
| 53.500 | 0.0000 | 0.0000 | 83.321 | 14.90854 | 0.00000 | 286378.1 | 242985.4 | 40212.2 | S |
| 53.508 | 0.0000 | 0.0000 | 83.181 | 14.31485 | 0.00000 | 286378.1 | 243423.8 | 40212.2 | S |
| 53.517 | 0.0000 | 0.0000 | 83.039 | \$3.71180 | 0.00000 | 286378.1 | 243844.3 | 40212.2 | S |
| 53.525 | 0.0000 | 0.0000 | 82.893 | 13.10931 | 0.00000 | 286378.1 | 244246.5 | 40212.2 | S |
| 53.533 | 0.0000 | 0.0000 | 82.744 | 12.51554 | 0.00000 | 286378.1 | 244630.8 | 40212.2 | S |
| 53.542 | 0.0000 | 0.0000 | 82.592 | 11.93394 | 0.00000 | 286378.1 | 244997.5 | 40212.2 | S |
| 53.550 | 0.0000 | 0.0000 | 82.435 | 11.36518 | 0.00000 | 286378.1 | 245346.9 | 40212.2 | S |
| 53.558 | 0.0000 | 0.0000 | 82.272 | 10.80669 | 0.00000 | 286378.1 | 245679.4 | 40212.2 | S |
| 53.567 | 0.0000 | 0.0000 | 82.101 | 8.10690 | 0.00000 | 286378.1 | 245995.3 | 40212.2 | S |
| 53.575 | 0.0000 | 0.0000 | 81.977 | 2.84217 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 53.583 | 0.0000 | 0.0000 | 81.927 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 53.592 | 0.0000 | 0.0000 | 81.876 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 53.600 | 0.0000 | 0.0000 | 81.826 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 53.608 | 0.0000 | 0.0000 | 81.777 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 53.617 | 0.0000 | 0.0000 | 81.728 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 53.625 | 0.0000 | 0.0000 | 81.680 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 53.633 | 0.0000 | 0.0000 | 81.632 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 53.642 | 0.0000 | 0.0000 | 81.585 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 4100 yr/24 hr

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Outside Recharge (fU/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 /} / \mathrm{s}$ ) | Overlow Discharge (fi3/s) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume (ft ${ }^{3}$ ) | Cumulative Discharge Volume (ft ${ }^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 53.650 | 0.0000 | 0.0000 | 81.539 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 53.658 | 0.0000 | 0.0000 | 81.493 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 53.667 | 0.0000 | 0.0000 | 81.448 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 53.675 | 0.0000 | 0.0000 | 81.404 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 53.683 | 0.0000 | 0.0000 | 81.360 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 53.692 | 0.0000 | 0.0000 | 81.317 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 53.700 | 0.0000 | 0.0000 | 81.274 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 53.708 | 0.0000 | 0.0000 | 81.233 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 53.717 | 0.0000 | 0.0000 | 81.191 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 53.725 | 0.0000 | 0.0000 | 81.151 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 53.733 | 0.0000 | 0.0000 | 81.111 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 53.742 | 0.0000 | 0.0000 | 81.071 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 53.750 | 0.0000 | 0.0000 | 81.032 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 53.758 | 0.0000 | 0.0000 | 80.993 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 53.767 | 0.0000 | 0.0000 | 80.956 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 53.775 | 0.0000 | 0.0000 | 80.918 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 53.783 | 0.0000 | 0.0000 | 80.881 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 53.792 | 0.0000 | 0.0000 | 80.845 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 53.800 | 0.0000 | 0.0000 | 80.809 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 53.808 | 0.0000 | 0.0000 | 80.773 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 53.817 | 0.0000 | 0.0000 | 80.738 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 53.825 | 0.0000 | 0.0000 | 80.703 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 53.833 | 0.0000 | 0.0000 | 80.669 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 53.842 | 0.0000 | 0.0000 | 80.635 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 53.850 | 0.0000 | 0.0000 | 80.601 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 53.858 | 0.0000 | 0.0000 | 80.568 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 53.867 | 0.0000 | 0.0000 | 80.535 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 53.875 | 0.0000 | 0.0000 | 80.503 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 53.883 | 0.0000 | 0.0000 | 80.471 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 53.892 | 0.0000 | 0.0000 | 80.439 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 53.900 | 0.0000 | 0.0000 | 80.407 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 53.908 | 0.0000 | 0.0000 | 80.376 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 53.917 | 0.0000 | 0.0000 | 80.345 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 53.925 | 0.0000 | 0.0000 | 80.315 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 53.933 | 0.0000 | 0.0000 | 80.285 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 53.942 | 0.0000 | 0.0000 | 80.255 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 53.950 | 0.0000 | 0.0000 | 80.225 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 53.958 | 0.0000 | 0.0000 | 80.196 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 53.967 | 0.0000 | 0.0000 | 80.167 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 53.975 | 0.0000 | 0.0000 | 80.138 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 53.983 | 0.0000 | 0.0000 | 80.110 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 53.992 | 0.0000 | 0.0000 | 80.081 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.000 | 0.0000 | 0.0000 | 80.054 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.008 | 0.0000 | 0.0000 | 80.026 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.017 | 0.0000 | 0.0000 | 79.998 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.025 | 0.0000 | 0.0000 | 79.971 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.033 | 0.0000 | 0.0000 | 79.944 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.042 | 0.0000 | 0.0000 | 79.918 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.050 | 0.0000 | 0.0000 | 79.891 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.058 | 0.0000 | 0.0000 | 79.865 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.067 | 0.0000 | 0.0000 | 79.839 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.075 | 0.0000 | 0.0000 | 79.813 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.083 | 0.0000 | 0.0000 | 79.788 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.092 | 0.0000 | 0.0000 | 79.762 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.100 | 0.0000 | 0.0000 | 79.737 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.108 | 0.0000 | 0.0000 | 79.712 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.117 | 0.0000 | 0.0000 | 79.687 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.125 | 0.0000 | 0.0000 | 79.663 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.133 | 0.0000 | 0.0000 | 79.638 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.142 | 0.0000 | 0.0000 | 79.614 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.150 | 0.0000 | 0.0000 | 79.590 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.158 | 0.0000 | 0.0000 | 79.567 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.167 | 0.0000 | 0.0000 | 79.543 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.175 | 0.0000 | 0.0000 | 79.520 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.183 | 0.0000 | 0.0000 | 79.496 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.192 | 0.0000 | 0.0000 | 79.473 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.200 | 0.0000 | 0.0000 | 79.450 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.208 | 0.0000 | 0.0000 | 79.428 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.217 | 0.0000 | 0.0000 | 79.405 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.225 | 0.0000 | 0.0000 | 79.383 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.233 | 0.0000 | 0.0000 | 79.360 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.242 | 0.0000 | 0.0000 | 79.338 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.250 | 0.0000 | 0.0000 | 79.316 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.258 | 0.0000 | 0.0000 | 79.294 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $4100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{A}^{3} / \mathrm{s}$ ) | Outside Recharge (fi/day) | Stage Elevation ( 1 datum) | Infiltration Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Cumulative Infiow Volume ( $\mathrm{t}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 54.267 | 0.0000 | 0.0000 | 79.273 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.275 | 0.0000 | 0.0000 | 79.251 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.283 | 0.0000 | 0.0000 | 79.230 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.292 | 0.0000 | 0.0000 | 79.209 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.300 | 0.0000 | 0.0000 | 79.188 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.308 | 0.0000 | 0.0000 | 79.167 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.317 | 0.0000 | 0.0000 | 79.146 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.325 | 0.0000 | 0.0000 | 79.125 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.333 | 0.0000 | 0.0000 | 79.105 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.342 | 0.0000 | 0.0000 | 79.085 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.350 | 0.0000 | 0.0000 | 79.064 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.358 | 0.0000 | 0.0000 | 79.044 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.367 | 0.0000 | 0.0000 | 79.024 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.375 | 0.0000 | 0.0000 | 79.004 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.383 | 0.0000 | 0.0000 | 78.985 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.392 | 0.0000 | 0.0000 | 78.965 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.400 | 0.0000 | 0.0000 | 78.946 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.408 | 0.0000 | 0.0000 | 78.926 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.417 | 0.0000 | 0.0000 | 78.907 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.425 | 0.0000 | 0.0000 | 78.888 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.433 | 0.0000 | 0.0000 | 78.869 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.442 | 0.0000 | 0.0000 | 78.850 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.450 | 0.0000 | 0.0000 | 78.831 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.458 | 0.0000 | 0.0000 | 78.812 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.467 | 0.0000 | 0.0000 | 78.794 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.475 | 0.0000 | 0.0000 | 78.775 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.483 | 0.0000 | 0.0000 | 78.757 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.492 | 0.0000 | 0.0000 | 78.739 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.500 | 0.0000 | 0.0000 | 78.721 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.508 | 0.0000 | 0.0000 | 78.703 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.517 | 0.0000 | 0.0000 | 78.685 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.525 | 0.0000 | 0.0000 | 78.667 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.533 | 0.0000 | 0.0000 | 78.649 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.542 | 0.0000 | 0.0000 | 78.632 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.550 | 0.0000 | 0.0000 | 78.614 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.558 | 0.0000 | 0.0000 | 78.597 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.567 | 0.0000 | 0.0000 | 78.579 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.575 | 0.0000 | 0.0000 | 78.562 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.583 | 0.0000 | 0.0000 | 78.545 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.592 | 0.0000 | 0.0000 | 78.528 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.600 | 0.0000 | 0.0000 | 78.511 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.608 | 0.0000 | 0.0000 | 78.494 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.617 | 0.0000 | 0.0000 | 78.477 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.625 | 0.0000 | 0.0000 | 78.460 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.633 | 0.0000 | 0.0000 | 78.444 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.642 | 0.0000 | 0.0000 | 78.427 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.650 | 0.0000 | 0.0000 | 78.411 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.658 | 0.0000 | 0.0000 | 78.394 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.667 | 0.0000 | 0.0000 | 78.378 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.675 | 0.0000 | 0.0000 | 78.362 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.683 | 0.0000 | 0.0000 | 78.346 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.692 | 0.0000 | 0.0000 | 78.330 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.700 | 0.0000 | 0.0000 | 78.314 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.708 | 0.0000 | 0.0000 | 78.298 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.717 | 0.0000 | 0.0000 | 78.282 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.725 | 0.0000 | 0.0000 | 78.266 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.733 | 0.0000 | 0.0000 | 78.251 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212,2 | S |
| 54.742 | 0.0000 | 0.0000 | 78.235 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.750 | 0.0000 | 0.0000 | 78.220 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.758 | 0.0000 | 0.0000 | 78.204 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.767 | 0.0000 | 0.0000 | 78.189 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.775 | 0.0000 | 0.0000 | 78.174 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.783 | 0.0000 | 0.0000 | 78.158 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.792 | 0.0000 | 0.0000 | 78.143 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.800 | 0.0000 | 0.0000 | 78.128 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.808 | 0.0000 | 0.0000 | 78.113 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.817 | 0.0000 | 0.0000 | 78.098 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.825 | 0.0000 | 0.0000 | 78.083 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.833 | 0.0000 | 0.0000 | 78.069 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.842 | 0.0000 | 0.0000 | 78.054 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.850 | 0.0000 | 0.0000 | 78.039 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.858 | 0.0000 | 0.0000 | 78.025 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.867 | 0.0000 | 0.0000 | 78.010 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |
| 54.875 | 0.0000 | 0.0000 | 77.996 | 0.00000 | 0.00000 | 286378.1 | 246165.8 | 40212.2 | S |

Vista Landfill Redesign

# PONDS Routing and Recovery Analysis Buildout Results 

Pond 5<br>100-year / 24-Hour Storm<br>Input Report<br>Summary of Results<br>Detailed Results

(Pond dry at Hour 103)
(Cut off early due to unnecessary length)

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method

Copyright 2003
Devo Seereeram, Ph.D., P.E.

## Project Data

| Project Name: | Vista Landfill Redesign |
| :--- | :--- |
| Simulation Description: | Pond 5 <br> 100 Year / 24 Hour Routing and Recovery Analysis w/ infiltration |
| Project Number: | $10-2141$ |
| Engineer : | cms |
| Supervising Engineer: | cms |
| Date: | $01-06-2011$ |

## Aquifer Data

Base Of Aquifer Elevation, [B] (ft datum): ..... 59.00
Water Table Elevation, [WT] (ft datum): ..... 60.00
Horizontal Saturated Hydraulic Conductivity, [Kh] (ft/day): ..... 15.00
Fillable Porosity, [ n ] (\%): ..... 20.00
Unsaturated Vertical Infiltration Rate, [lv] (ft/day): ..... 5.0
Maximum Area For Unsaturated Infiltration, [Av] ( $\mathrm{ft}^{2}$ ): ..... 102019.0

## Geometry Data

Equivalent Pond Length, $[\mathrm{L}](\mathrm{ft})$ : ..... 1000.0
Equivalent Pond Width, $[\mathrm{W}](\mathrm{ft}):$ ..... 50.0
Ground water mound is expected to intersect the pond bottom

## Stage vs Area Data

| Stage <br> (ft datum) | Area <br> $\left(\mathrm{ft}^{2}\right)$ |
| ---: | ---: |
| 72.00 | 2165.0 |
| 73.00 | 3355.0 |
| 74.00 | 4642.0 |
| 75.00 | 13392.0 |
| 76.00 | 19967.0 |
| 77.00 | 28370.0 |
| 78.00 | 35492.0 |
| 79.00 | 42667.0 |
| 80.00 | 49897.0 |
| 81.00 | 57180.0 |
| 82.00 | 64518.0 |
| 83.00 | 71910.0 |
| 84.00 | 79356.0 |
| 85.00 | 86856.0 |
| 86.00 | 94410.0 |
| 87.00 | 102019.0 |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.

## Discharge Structures

Discharge Structure \#1 is inactive
Discharge Structure \#2 is inactive
Discharge Structure \#3 is inactive

## Scenario Input Data

Scenario $1::$ Pond 5100 yr / 24 hr
Hydrograph Type: Multi-basin SCS Hydrograph
Modflow Options

| Modflow Routing: | Routed with infiltration |
| :--- | :--- |
| Initial Groundwater Table: | default |
| Initial Pond Stage: | default |
| Boundary Condition: | default (constant head) |
| Repetitions: | 1 |

## Simulation Parameters

Minimum time of concentration for all contributing basins in chain (minutes): ..... 10
Computational time step (minutes): ..... 5
Duration of simulation (hours): ..... 240
Contributing Basins
Number of contributing basins: ..... 1
Basin 1
Basin Name ..... da5
Basin Area (acres) ..... 19.89
Time Of Concentration (minutes) ..... 15
DCIA (\%) ..... 0
Curve Number ..... 98
Design Rainfall Depth (inches) ..... 10.6
Design Rainfall Duration (hours) ..... 24
Shape Factor ..... UHG 484
Rainfall Distribution Orange County 100 Year - 24 Hour
Ugradient Inflows
Number of upgradient inflow nodes: ..... 1
Node 1
Minimum Discharge Rate (cfs): $\quad 0$ Peak Discharge Rate (cfs): ..... 6.215252
Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ): ..... 40212.24

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Summary of Results :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

|  | Time (hours) | Stage (ft datum) | Rate $\left(\mathrm{ft}^{3} / \mathrm{s}\right)$ | Volume (ft ${ }^{3}$ ) |
| :---: | :---: | :---: | :---: | :---: |
| Stage |  |  |  |  |
| Minimum | 0.000 | 60.00 |  |  |
| Maximum | 14.150 | 85.88 |  |  |
| Inflow |  |  |  |  |
| Rate - Maximum - Positive | 9.000 |  | 43.8070 |  |
| Rate - Maximum - Negative | 24.825 |  | 0.0000 |  |
| Cumulative Volume - Maximum Positive | 24.767 |  |  | 789605.1 |
| Cumulative Volume - Maximum Negative | None |  |  | None |
| Cumulative Volume - End of Simulation | 240.000 |  |  | 789605.1 |
| Infiltration |  |  |  |  |
| Rate - Maximum - Positive | 29.600 |  | 53.0328 |  |
| Rate - Maximum - Negative | None |  | None |  |
| Cumulative Volume - Maximum Positive | 102.883 |  |  | 789605.1 |
| Cumulative Volume - Maximum Negative | None |  |  | None |
| Cumulative Volume - End of Simulation | 240.000 |  |  | 789605.1 |
| Combined Discharge |  |  |  |  |
| Rate - Maximum - Positive | None |  | None |  |
| Rate - Maximum - Negative | None |  | None |  |
| Cumulative Volume - Maximum Positive | None |  |  | None |
| Cumulative Volume - Maximum Negative | None |  |  | None |
| Cumulative Volume - End of Simulation | 240.000 |  |  | 0.0 |
| Discharge Structure 1 - inactive |  |  |  |  |
| Rate - Maximum - Positive | disabled |  | disabled |  |
| Rate - Maximum - Negative | disabled |  | disabled |  |
| Cumulative Volume - Maximum Positive | disabled |  |  | disabled |
| Cumulative Volume - Maximum Negative | disabled |  |  | disabled |
| Cumulative Volume - End of Simulation | disabled |  |  | disabled |
| Discharge Structure 2 - inactive |  |  |  |  |
| Rate - Maximum - Positive | disabled |  | disabled |  |
| Rate - Maximum - Negative | disabled |  | disabled |  |
| Cumulative Volume - Maximum Positive | disabled |  |  | disabled |
| Cumulative Volume - Maximum Negative | disabled |  |  | disabled |
| Cumulative Volume - End of Simulation | disabled |  |  | disabled |
| Discharge Structure 3 - inactive |  |  |  |  |
| Rate - Maximum - Positive | disabled |  | disabled |  |
| Rate - Maximum - Negative | disabled |  | disabled |  |
| Cumulative Volume - Maximum Positive | disabled |  |  | disabled |
| Cumulative Volume - Maximum Negative | disabled |  |  | disabled |
| Cumulative Volume - End of Simulation | disabled |  |  | disabled |
| Pollution Abatement: |  |  |  |  |
| 36 Hour Stage and Infiltration Volume | N.A. | N.A. |  | N.A. |
| 72 Hour Stage and Infilitration Volume | N.A. | N.A. |  | N.A. |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate (ftis) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infilisration Rate ( $\mathrm{Ht}^{3} / \mathrm{s}$ ) | Overflow Discharge ( f ( $\mathrm{s} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume (ft ${ }^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 0.000 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | N.A. |
| 0.008 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.017 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.025 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.033 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.042 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.050 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.058 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.067 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.075 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.083 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.092 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.100 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.108 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.117 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.125 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.133 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.142 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.150 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.158 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.167 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.175 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.183 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.192 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.200 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.208 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.217 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.225 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.233 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.242 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.250 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.258 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.267 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.275 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.283 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.292 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.300 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.308 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.317 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.325 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.333 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.342 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.350 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.358 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.367 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.375 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.383 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.392 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.400 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.408 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.417 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.425 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.433 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.442 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.450 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.458 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.467 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.475 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.483 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.492 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.500 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.508 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.517 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.525 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.533 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.542 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.550 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.558 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.567 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.575 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.583 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.592 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.600 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.608 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 5100 yr / 24 hr

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 /} \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate (ft/s) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative <br> Discharge <br> Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 0.617 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.625 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.633 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.642 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.650 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.658 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.667 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.675 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.683 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.692 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.700 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.708 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.717 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.725 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.733 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.742 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.750 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.758 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.767 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.775 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.783 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.792 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.800 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.808 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.817 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.825 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.833 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.842 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.850 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.858 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.867 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.875 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.883 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.892 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.900 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.908 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.917 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.925 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.933 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.942 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.950 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.958 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.967 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.975 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.983 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.992 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.000 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.008 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.017 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.025 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.033 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.042 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.050 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.058 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.067 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.075 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.083 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.092 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.100 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.108 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.117 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.125 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.133 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.142 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.150 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.158 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.167 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.175 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.183 | 0.0000 | 0.0000 | 80.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.192 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.200 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.208 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.217 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.225 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (fl datum) | Infiltration Rate (fils $/ \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{rl}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1.233 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.242 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.250 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.258 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.267 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.275 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.283 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.292 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.300 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.308 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.317 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.325 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.333 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.342 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.350 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.358 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.367 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.375 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.383 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.392 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.400 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.408 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.417 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.425 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.433 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.442 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.450 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.458 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.467 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.475 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.483 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.492 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.500 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.508 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.517 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.525 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.533 | 0.0000 | 0.0000 | 60.000 | 0.00001 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.542 | 0.0000 | 0.0000 | 60.000 | 0.00003 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.550 | 0.0001 | 0.0000 | 60.000 | 0.00008 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.558 | 0.0002 | 0.0000 | 60.000 | 0.00017 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.567 | 0.0003 | 0.0000 | 60.000 | 0.00032 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.575 | 0.0005 | 0.0000 | 60.000 | 0.00055 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.583 | 0.0008 | 0.0000 | 60.000 | 0.00087 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.592 | 0.0013 | 0.0000 | 60.000 | 0.00133 | 0.00000 | 0.1 | 0.1 | 0.0 | U |
| 1.600 | 0.0019 | 0.0000 | 60.000 | 0.00194 | 0.00000 | 0.1 | 0.1 | 0.0 | U |
| 1.608 | 0.0027 | 0.0000 | 60.000 | 0.00275 | 0.00000 | 0.2 | 0.2 | 0.0 | U |
| 1.617 | 0.0037 | 0.0000 | 60.000 | 0.00378 | 0.00000 | 0.3 | 0.3 | 0.0 | U |
| 1.625 | 0.0050 | 0.0000 | 60.000 | 0.00508 | 0.00000 | 0.4 | 0.4 | 0.0 | U |
| 1.633 | 0.0066 | 0.0000 | 60.000 | 0.00667 | 0.00000 | 0.6 | 0.6 | 0.0 | U |
| 1.642 | 0.0085 | 0.0000 | 60.000 | 0.00859 | 0.00000 | 0.8 | 0.8 | 0.0 | U |
| 1.650 | 0.0108 | 0.0000 | 60.000 | 0.01086 | 0.00000 | 1.1 | 1.1 | 0.0 | U |
| 1.658 | 0.0134 | 0.0000 | 60.000 | 0.01349 | 0.00000 | 1.5 | 1.5 | 0.0 | U |
| 1.667 | 0.0164 | 0.0000 | 60.000 | 0.01650 | 0.00000 | 1.9 | 1.9 | 0.0 | U |
| 1.675 | 0.0198 | 0.0000 | 60.000 | 0.01990 | 0.00000 | 2.5 | 2.5 | 0.0 | U |
| 1.683 | 0.0236 | 0.0000 | 60.000 | 0.02369 | 0.00000 | 3.1 | 3.1 | 0.0 | U |
| 1.692 | 0.0278 | 0.0000 | 60.000 | 0.02786 | 0.00000 | 3.9 | 3.9 | 0.0 | U |
| 1.700 | 0.0323 | 0.0000 | 60.000 | 0.03241 | 0.00000 | 4.8 | 4.8 | 0.0 | U |
| 1.708 | 0.0372 | 0.0000 | 60.000 | 0.03734 | 0.00000 | 5.8 | 5.8 | 0.0 | U |
| 1.717 | 0.0425 | 0.0000 | 60.000 | 0.04262 | 0.00000 | 7.0 | 7.0 | 0.0 | U |
| 1.725 | 0.0482 | 0.0000 | 60.000 | 0.04825 | 0.00000 | 8.4 | 8.4 | 0.0 | U |
| 1.733 | 0.0547 | 0.0000 | 60.000 | 0.05420 | 0.00000 | 9.9 | 9.9 | 0.0 | U |
| 1.742 | 0.0604 | 0.0000 | 60.001 | 0.06046 | 0.00000 | 11.6 | 11.6 | 0.0 | U |
| 1.750 | 0.0669 | 0.0000 | 60.001 | 0.06700 | 0.00000 | 13.5 | 13.5 | 0.0 | U |
| 1.758 | 0.0738 | 0.0000 | 60.001 | 0.07382 | 0.00000 | 15.7 | 15.7 | 0.0 | U |
| 1.767 | 0.0808 | 0.0000 | 60.001 | 0.08088 | 0.00000 | 18.0 | 18.0 | 0.0 | U |
| 1.775 | 0.0881 | 0.0000 | 60.001 | 0.08815 | 0.00000 | 20.5 | 20.5 | 0.0 | U |
| 1.783 | 0.0956 | 0.0000 | 60.001 | 0.09563 | 0.00000 | 23.3 | 23.3 | 0.0 | U |
| 1.792 | 0.1032 | 0.0000 | 60.001 | 0.10327 | 0.00000 | 26.2 | 26.2 | 0.0 | U |
| 1.800 | 0.1110 | 0.0000 | 60.001 | 0.11106 | 0.00000 | 29.5 | 29.5 | 0.0 | U |
| 1.808 | 0.1189 | 0.0000 | 60.002 | 0.11897 | 0.00000 | 32.9 | 32.9 | 0.0 | U |
| 1.817 | 0.1270 | 0.0000 | 60.002 | 0.12412 | 0.00000 | 36.6 | 36.6 | 0.0 | U |
| 1.825 | 0.1351 | 0.0000 | 72.000 | 0.12529 | 0.00000 | 40.5 | 40.4 | 0.0 | U/P |
| 1.833 | 0.1433 | 0.0000 | 72.000 | 0.12530 | 0.00000 | 44.7 | 44.1 | 0.0 | U/P |
| 1.842 | 0.1515 | 0.0000 | 72.001 | 0.12532 | 0.00000 | 49.1 | 47.9 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft} / \mathrm{s}$ ) | $\begin{aligned} & \text { Cumulative } \\ & \text { Inflow } \\ & \text { Volume }\left(\mathrm{f}^{3}\right) \end{aligned}$ | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1.850 | 0.1598 | 0.0000 | 72.001 | 0.12534 | 0.00000 | 53.8 | 51.6 | 0.0 | U/P |
| 1.858 | 0.1681 | 0.0000 | 72.002 | 0.12538 | 0.00000 | 58.7 | 55.4 | 0.0 | U/P |
| 1.867 | 0.1765 | 0.0000 | 72.002 | 0.12542 | 0.00000 | 63.9 | 59.2 | 0.0 | U/P |
| 1.875 | 0.1849 | 0.0000 | 72.003 | 0.12547 | 0.00000 | 69.3 | 62.9 | 0.0 | U/P |
| 1.883 | 0.1933 | 0.0000 | 72.004 | 0.12552 | 0.00000 | 75.0 | 66.7 | 0.0 | U/P |
| 1.892 | 0.2017 | 0.0000 | 72.005 | 0.12559 | 0.00000 | 80.9 | 70.5 | 0.0 | U/P |
| 1.900 | 0.2102 | 0.0000 | 72.006 | 0.12566 | 0.00000 | 87.1 | 74.2 | 0.0 | U/P |
| 1.908 | 0.2186 | 0.0000 | 72.007 | 0.12574 | 0.00000 | 93.5 | 78.0 | 0.0 | U/P |
| 1.917 | 0.2270 | 0.0000 | 72.008 | 0.12583 | 0.00000 | 100.2 | 81.8 | 0.0 | U/P |
| 1.925 | 0.2354 | 0.0000 | 72.010 | 0.12592 | 0.00000 | 107.1 | 85.5 | 0.0 | U/P |
| 1.933 | 0.2438 | 0.0000 | 72.012 | 0.12603 | 0.00000 | 114.3 | 89.3 | 0.0 | U/P |
| 1.942 | 0.2521 | 0.0000 | 72.013 | 0.12614 | 0.00000 | 121.8 | 93.1 | 0.0 | U/P |
| 1.950 | 0.2604 | 0.0000 | 72.015 | 0.12626 | 0.00000 | 129.4 | 96.9 | 0.0 | U/P |
| 1.958 | 0.2687 | 0.0000 | 72.017 | 0.12639 | 0.00000 | 137.4 | 100.7 | 0.0 | U/P |
| 1.967 | 0.2770 | 0.0000 | 72.019 | 0.12652 | 0.00000 | 145.6 | 104.5 | 0.0 | U/P |
| 1.975 | 0.2852 | 0.0000 | 72.021 | 0.12666 | 0.00000 | 154.0 | 108.3 | 0.0 | U/P |
| 1.983 | 0.2934 | 0.0000 | 72.023 | 0.12681 | 0.00000 | 162.7 | 112.1 | 0.0 | U/P |
| 1.992 | 0.3015 | 0.0000 | 72.026 | 0.12697 | 0.00000 | 171.6 | 115.9 | 0.0 | U/P |
| 2.000 | 0.3097 | 0.0000 | 72.028 | 0.12713 | 0.00000 | 180.8 | 119.7 | 0.0 | U/P |
| 2.008 | 0.3180 | 0.0000 | 72.031 | 0.12731 | 0.00000 | 190.2 | 123.5 | 0.0 | U/P |
| 2.017 | 0.3265 | 0.0000 | 72.033 | 0.12748 | 0.00000 | 199.9 | 127.3 | 0.0 | U/P |
| 2.025 | 0.3353 | 0.0000 | 72.036 | 0.12767 | 0.00000 | 209.8 | 131.2 | 0.0 | U/P |
| 2.033 | 0.3444 | 0.0000 | 72.039 | 0.12787 | 0.00000 | 220.0 | 135.0 | 0.0 | U/P |
| 2.042 | 0.3539 | 0.0000 | 72.042 | 0.12807 | 0.00000 | 230.5 | 138.8 | 0.0 | U/P |
| 2.050 | 0.3638 | 0.0000 | 72.045 | 0.12828 | 0.00000 | 241.2 | 142.7 | 0.0 | U/P |
| 2.058 | 0.3742 | 0.0000 | 72.048 | 0.12850 | 0.00000 | 252.3 | 146.5 | 0.0 | U/P |
| 2.067 | 0.3853 | 0.0000 | 72.052 | 0.12873 | 0.00000 | 263.7 | 150.4 | 0.0 | U/P |
| 2.075 | 0.3971 | 0.0000 | 72.055 | 0.12896 | 0.00000 | 275.4 | 154.2 | 0.0 | U/P |
| 2.083 | 0.4097 | 0.0000 | 72.059 | 0.12921 | 0.00000 | 287.5 | 158.1 | 0.0 | U/P |
| 2.092 | 0.4232 | 0.0000 | 72.063 | 0.12947 | 0.00000 | 300.0 | 162.0 | 0.0 | U/P |
| 2.100 | 0.4374 | 0.0000 | 72.067 | 0.12974 | 0.00000 | 312.9 | 165.9 | 0.0 | U/P |
| 2.108 | 0.4523 | 0.0000 | 72.071 | 0.13003 | 0.00000 | 326.3 | 169.8 | 0.0 | U/P |
| 2.117 | 0.4679 | 0.0000 | 72.075 | 0.13032 | 0.00000 | 340.1 | 173.7 | 0.0 | U/P |
| 2.125 | 0.4841 | 0.0000 | 72.080 | 0.13063 | 0.00000 | 354.3 | 177.6 | 0.0 | U/P |
| 2.133 | 0.5007 | 0.0000 | 72.085 | 0.13096 | 0.00000 | 369.1 | 181.5 | 0.0 | U/P |
| 2.142 | 0.5177 | 0.0000 | 72.090 | 0.13129 | 0.00000 | 384.4 | 185.5 | 0.0 | U/P |
| 2.150 | 0.5349 | 0.0000 | 72.095 | 0.13164 | 0.00000 | 400.2 | 189.4 | 0.0 | U/P |
| 2.158 | 0.5523 | 0.0000 | 72.100 | 0.13201 | 0.00000 | 416.5 | 193.4 | 0.0 | U/P |
| 2.167 | 0.5699 | 0.0000 | 72.106 | 0.13239 | 0.00000 | 433.3 | 197.3 | 0.0 | U/P |
| 2.175 | 0.5876 | 0.0000 | 72.112 | 0.13278 | 0.00000 | 450.7 | 201.3 | 0.0 | U/P |
| 2.183 | 0.6052 | 0.0000 | 72.118 | 0.13319 | 0.00000 | 468.6 | 205.3 | 0.0 | U/P |
| 2.192 | 0.6227 | 0.0000 | 72.124 | 0.13362 | 0.00000 | 487.0 | 209.3 | 0.0 | U/P |
| 2.200 | 0.6400 | 0.0000 | 72.130 | 0.13405 | 0.00000 | 505.9 | 213.3 | 0.0 | U/P |
| 2.208 | 0.6573 | 0.0000 | 72.137 | 0.13450 | 0.00000 | 525.4 | 217.3 | 0.0 | U/P |
| 2.217 | 0.6743 | 0.0000 | 72.144 | 0.13497 | 0.00000 | 545.4 | 221.4 | 0.0 | U/P |
| 2.225 | 0.6910 | 0.0000 | 72.151 | 0.13544 | 0.00000 | 565.8 | 225.4 | 0.0 | U/P |
| 2.233 | 0.7075 | 0.0000 | 72.158 | 0.13593 | 0.00000 | 586.8 | 229.5 | 0.0 | U/P |
| 2.242 | 0.7237 | 0.0000 | 72.166 | 0.13644 | 0.00000 | 608.3 | 233.6 | 0.0 | U/P |
| 2.250 | 0.7394 | 0.0000 | 72.173 | 0.13695 | 0.00000 | 630.2 | 237.7 | 0.0 | U/P |
| 2.258 | 0.7547 | 0.0000 | 72.181 | 0.13747 | 0.00000 | 652.7 | 241.8 | 0.0 | U/P |
| 2.267 | 0.7696 | 0.0000 | 72.189 | 0.13801 | 0.00000 | 675.5 | 245.9 | 0.0 | U/P |
| 2.275 | 0.7841 | 0.0000 | 72.197 | 0.13856 | 0.00000 | 698.8 | 250.1 | 0.0 | U/P |
| 2.283 | 0.7983 | 0.0000 | 72.205 | 0.13911 | 0.00000 | 722.6 | 254.3 | 0.0 | U/P |
| 2.292 | 0.8123 | 0.0000 | 72.213 | 0.13968 | 0.00000 | 746.7 | 258.4 | 0.0 | U/P |
| 2.300 | 0.8259 | 0.0000 | 72.221 | 0.14025 | 0.00000 | 771.3 | 262.6 | 0.0 | U/P |
| 2.308 | 0.8394 | 0.0000 | 72.230 | 0.14083 | 0.00000 | 796.3 | 266.9 | 0.0 | U/P |
| 2.317 | 0.8525 | 0.0000 | 72.239 | 0.14143 | 0.00000 | 821.6 | 271.1 | 0.0 | U/P |
| 2.325 | 0.8655 | 0.0000 | 72.247 | 0.14203 | 0.00000 | 847.4 | 275.3 | 0.0 | U/P |
| 2.333 | 0.8782 | 0.0000 | 72.256 | 0.14263 | 0.00000 | 873.6 | 279.6 | 0.0 | U/P |
| 2.342 | 0.8907 | 0.0000 | 72.265 | 0.14325 | 0.00000 | 900.1 | 283.9 | 0.0 | U/P |
| 2.350 | 0.9031 | 0.0000 | 72.274 | 0.14387 | 0.00000 | 927.0 | 288.2 | 0.0 | U/P |
| 2.358 | 0.9152 | 0.0000 | 72.284 | 0.14450 | 0.00000 | 954.3 | 292.5 | 0.0 | U/P |
| 2.367 | 0.9271 | 0.0000 | 72.293 | 0.14514 | 0.00000 | 981.9 | 296.9 | 0.0 | U/P |
| 2.375 | 0.9389 | 0.0000 | 72.302 | 0.14578 | 0.00000 | 1009.9 | 301.2 | 0.0 | U/P |
| 2.383 | 0.9505 | 0.0000 | 72.312 | 0.14643 | 0.00000 | 1038.3 | 305.6 | 0.0 | U/P |
| 2.392 | 0.9618 | 0.0000 | 72.321 | 0.14708 | 0.00000 | 1066.9 | 310.0 | 0.0 | U/P |
| 2.400 | 0.9731 | 0.0000 | 72.331 | 0.14774 | 0.00000 | 1096.0 | 314.4 | 0.0 | U/P |
| 2.408 | 0.9841 | 0.0000 | 72.341 | 0.14841 | 0.00000 | 1125.3 | 318.9 | 0.0 | U/P |
| 2.417 | 0.9950 | 0.0000 | 72.350 | 0.14908 | 0.00000 | 1155.0 | 323.4 | 0.0 | U/P |
| 2.425 | 1.0058 | 0.0000 | 72.360 | 0.14976 | 0.00000 | 1185.0 | 327.8 | 0.0 | U/P |
| 2.433 | 1.0164 | 0.0000 | 72.370 | 0.45044 | 0.00000 | 1215.4 | 332.3 | 0.0 | U/P |
| 2.442 | 1.0269 | 0.0000 | 72.380 | 0.15113 | 0.00000 | 1246.0 | 336.9 | 0.0 | U/P |
| 2.450 | 1.0372 | 0.0000 | 72.390 | 0.15182 | 0.00000 | 1277.0 | 341.4 | 0.0 | U/P |
| 2.458 | 1.0474 | 0.0000 | 72.400 | 0.15251 | 0.00000 | 1308.2 | 346.0 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overfiow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2.467 | 1.0574 | 0.0000 | 72.411 | 0.15321 | 0.00000 | 1339.8 | 350.6 | 0.0 | U/P |
| 2.475 | 1.0673 | 0.0000 | 72.421 | 0.15392 | 0.00000 | 1371.7 | 355.2 | 0.0 | U/P |
| 2.483 | 1.0771 | 0.0000 | 72.431 | 0.15463 | 0.00000 | 1403.8 | 359.8 | 0.0 | U/P |
| 2.492 | 1.0868 | 0.0000 | 72.442 | 0.15534 | 0.00000 | 1436.3 | 364.4 | 0.0 | U/P |
| 2.500 | 1.0965 | 0.0000 | 72.452 | 0.15605 | 0.00000 | 1469.0 | 369.1 | 0.0 | U/P |
| 2.508 | 1.1063 | 0.0000 | 72.462 | 0.15677 | 0.00000 | 1502.1 | 373.8 | 0.0 | U/P |
| 2.517 | 1.1164 | 0.0000 | 72.473 | 0.15749 | 0.00000 | 1535.4 | 378.5 | 0.0 | U/P |
| 2.525 | 1.1270 | 0.0000 | 72.483 | 0.15822 | 0.00000 | 1569.1 | 383.3 | 0.0 | U/P |
| 2.533 | 1.1381 | 0.0000 | 72.494 | 0.15895 | 0.00000 | 1603.1 | 388.0 | 0.0 | U/P |
| 2.542 | 1.1499 | 0.0000 | 72.505 | 0.15969 | 0.00000 | 1637.4 | 392.8 | 0.0 | U/P |
| 2.550 | 1.1625 | 0.0000 | 72.516 | 0.16043 | 0.00000 | 1672.1 | 397.6 | 0.0 | U/P |
| 2.558 | 1.1760 | 0.0000 | 72.526 | 0.16117 | 0.00000 | 1707.1 | 402.4 | 0.0 | U/P |
| 2.567 | 1. 1906 | 0.0000 | 72.537 | 0.16192 | 0.00000 | 1742.6 | 407.3 | 0.0 | U/P |
| 2.575 | 1.2064 | 0.0000 | 72.548 | 0.16268 | 0.00000 | 1778.6 | 412.1 | 0.0 | U/P |
| 2.583 | 1.2238 | 0.0000 | 72.560 | 0.16345 | 0.00000 | 1815.0 | 417.0 | 0.0 | U/P |
| 2.592 | 1.2426 | 0.0000 | 72.571 | 0.16422 | 0.00000 | 1852.0 | 421.9 | 0.0 | U/P |
| 2.600 | 1.2630 | 0.0000 | 72.582 | 0.16500 | 0.00000 | 1889.6 | 426.9 | 0.0 | U/P |
| 2.608 | 1.2846 | 0.0000 | 72.594 | 0.16580 | 0.00000 | 1927.8 | 431.8 | 0.0 | U/P |
| 2.617 | 1.3075 | 0.0000 | 72.606 | 0.16660 | 0.00000 | 1966.7 | 436.8 | 0.0 | U/P |
| 2.625 | 1.3313 | 0.0000 | 72.618 | 0.16742 | 0.00000 | 2006.3 | 441.8 | 0.0 | U/P |
| 2.633 | 1.3560 | 0.0000 | 72.630 | 0.16825 | 0.00000 | 2046.6 | 446.9 | 0.0 | U/P |
| 2.642 | 1.3812 | 0.0000 | 72.642 | 0.16909 | 0.00000 | 2087.7 | 451.9 | 0.0 | U/P |
| 2.650 | 1.4068 | 0.0000 | 72.655 | 0.16995 | 0.00000 | 2129.5 | 457.0 | 0.0 | U/P |
| 2.658 | 1.4325 | 0.0000 | 72.667 | 0.17081 | 0.00000 | 2172.1 | 462.1 | 0.0 | U/P |
| 2.667 | 1.4584 | 0.0000 | 72.680 | 0.17169 | 0.00000 | 2215.4 | 467.3 | 0.0 | U/P |
| 2.675 | 1.4843 | 0.0000 | 72.693 | 0.17259 | 0.00000 | 2259.6 | 472.4 | 0.0 | U/P |
| 2.683 | 1.5100 | 0.0000 | 72.707 | 0.17349 | 0.00000 | 2304.5 | 477.6 | 0.0 | U/P |
| 2.692 | 1.5353 | 0.0000 | 72.720 | 0.17441 | 0.00000 | 2350.2 | 482.8 | 0.0 | U/P |
| 2.700 | 1.5601 | 0.0000 | 72.734 | 0.17534 | 0.00000 | 2396.6 | 488.1 | 0.0 | U/P |
| 2.708 | 1.5844 | 0.0000 | 72.747 | 0.17628 | 0.00000 | 2443.8 | 493.4 | 0.0 | U/P |
| 2.717 | 1.6082 | 0.0000 | 72.761 | 0.17724 | 0.00000 | 2491.7 | 498.7 | 0.0 | U/P |
| 2.725 | 1.6313 | 0.0000 | 72.775 | 0.17820 | 0.00000 | 2540.2 | 504.0 | 0.0 | U/P |
| 2.733 | 1.6538 | 0.0000 | 72.790 | 0.17917 | 0.00000 | 2589.5 | 509.4 | 0.0 | U/P |
| 2.742 | 1.6755 | 0.0000 | 72.804 | 0.18015 | 0.00000 | 2639.5 | 514.7 | 0.0 | U/P |
| 2.750 | 1.6963 | 0.0000 | 72.818 | 0.18114 | 0.00000 | 2690.0 | 520.2 | 0.0 | U/P |
| 2.758 | 1.7161 | 0.0000 | 72.833 | 0.18214 | 0.00000 | 2741.2 | 525.6 | 0.0 | U/P |
| 2.767 | 1.7350 | 0.0000 | 72.847 | 0.18314 | 0.00000 | 2793.0 | 531.1 | 0.0 | U/P |
| 2.775 | 1.7531 | 0.0000 | 72.862 | 0.18415 | 0.00000 | 2845.3 | 536.6 | 0.0 | U/P |
| 2.783 | 1.7705 | 0.0000 | 72.877 | 0.18517 | 0.00000 | 2898.2 | 542.1 | 0.0 | U/P |
| 2.792 | 1.7872 | 0.0000 | 72.892 | 0.18619 | 0.00000 | 2951.5 | 547.7 | 0.0 | U/P |
| 2.800 | 1.8034 | 0.0000 | 72.907 | 0.18721 | 0.00000 | 3005.4 | 553.3 | 0.0 | U/P |
| 2.808 | 1.8190 | 0.0000 | 72.922 | 0.18824 | 0.00000 | 3059.7 | 558.9 | 0.0 | U/P |
| 2.817 | 1.8341 | 0.0000 | 72.937 | 0.18928 | 0.00000 | 3114.5 | 564.6 | 0.0 | U/P |
| 2.825 | 1.8488 | 0.0000 | 72.952 | 0.19031 | 0.00000 | 3169.8 | 570.3 | 0.0 | U/P |
| 2.833 | 1.8630 | 0.0000 | 72.967 | 0.19135 | 0.00000 | 3225.4 | 576.0 | 0.0 | U/P |
| 2.842 | 1.8769 | 0.0000 | 72.982 | 0.19239 | 0.00000 | 3281.5 | 581.8 | 0.0 | U/P |
| 2.850 | 1.8904 | 0.0000 | 72.997 | 0.19344 | 0.00000 | 3338.1 | 587.6 | 0.0 | U/P |
| 2.858 | 1.9035 | 0.0000 | 73.012 | 0.19452 | 0.00000 | 3395.0 | 593.4 | 0.0 | U/P |
| 2.867 | 1.9163 | 0.0000 | 73.028 | 0.19564 | 0.00000 | 3452.3 | 599.2 | 0.0 | U/P |
| 2.875 | 1.9288 | 0.0000 | 73.043 | 0.19678 | 0.00000 | 3509.9 | 605.1 | 0.0 | U/P |
| 2.883 | 1.9410 | 0.0000 | 73.058 | 0.19791 | 0.00000 | 3568.0 | 611.0 | 0.0 | U/P |
| 2.892 | 1.9528 | 0.0000 | 73.073 | 0.19905 | 0.00000 | 3626.4 | 617.0 | 0.0 | U/P |
| 2.900 | 1.9644 | 0.0000 | 73.089 | 0.20018 | 0.00000 | 3685.1 | 623.0 | 0.0 | U/P |
| 2.908 | 1.9757 | 0.0000 | 73.104 | 0.20132 | 0.00000 | 3744.3 | 629.0 | 0.0 | U/P |
| 2.917 | 1.9868 | 0.0000 | 73.119 | 0.20246 | 0.00000 | 3803.7 | 635.1 | 0.0 | U/P |
| 2.925 | 1.9976 | 0.0000 | 73.134 | 0.20359 | 0.00000 | 3863.5 | 641.2 | 0.0 | U/P |
| 2.933 | 2.0082 | 0.0000 | 73.150 | 0.20473 | 0.00000 | 3923.5 | 647.3 | 0.0 | U/P |
| 2.942 | 2.0186 | 0.0000 | 73.165 | 0.20586 | 0.00000 | 3983.9 | 653.4 | 0.0 | U/P |
| 2.950 | 2.0288 | 0.0000 | 73.180 | 0.20700 | 0.00000 | 4044.7 | 659.6 | 0.0 | U/P |
| 2.958 | 2.0388 | 0.0000 | 73.195 | 0.20813 | 0.00000 | 4105.7 | 665.9 | 0.0 | U/P |
| 2.967 | 2.0486 | 0.0000 | 73.211 | 0.20927 | 0.00000 | 4167.0 | 672.1 | 0.0 | U/P |
| 2.975 | 2.0582 | 0.0000 | 73.226 | 0.21040 | 0.00000 | 4228.6 | 678.4 | 0.0 | U/P |
| 2.983 | 2.0677 | 0.0000 | 73.241 | 0.21153 | 0.00000 | 4290.5 | 684.7 | 0.0 | U/P |
| 2.992 | 2.0769 | 0.0000 | 73.256 | 0.21267 | 0.00000 | 4352.6 | 691.1 | 0.0 | U/P |
| 3.000 | 2.0861 | 0.0000 | 73.271 | 0.21380 | 0.00000 | 4415.1 | 697.5 | 0.0 | U/P |
| 3.008 | 2.0960 | 0.0000 | 73.286 | 0.21493 | 0.00000 | 4477.8 | 703.9 | 0.0 | U/P |
| 3.017 | 2.1068 | 0.0000 | 73.302 | 0.21605 | 0.00000 | 4540.9 | 710.4 | 0.0 | U/P |
| 3.025 | 2.1196 | 0.0000 | 73.317 | 0.21718 | 0.00000 | 4604.3 | 716.9 | 0.0 | U/P |
| 3.033 | 2.1347 | 0.0000 | 73.332 | 0.21831 | 0.00000 | 4668.1 | 723.4 | 0.0 | U/P |
| 3.042 | 2.1525 | 0.0000 | 73.347 | 0.21945 | 0.00000 | 4732.4 | 730.0 | 0.0 | U/P |
| 3.050 | 2.1732 | 0.0000 | 73.362 | 0.22058 | 0.00000 | 4797.3 | 736.6 | 0.0 | U/P |
| 3.058 | 2.1978 | 0.0000 | 73.378 | 0.22173 | 0.00000 | 4862.8 | 743.2 | 0.0 | U/P |
| 3.067 | 2.2261 | 0.0000 | 73.393 | 0.22287 | 0.00000 | 4929.2 | 749.9 | 0.0 | U/P |
| 3.075 | 2.2597 | 0.0000 | 73.409 | 0.22403 | 0.00000 | 4996.5 | 756.6 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | unflow Rate ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (f datum) | Infiltration Rate (f $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge (ftys) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 3.083 | 2.2985 | 0.0000 | 73.425 | 0.22521 | 0.00000 | 5064.8 | 763.3 | 0.0 | U/P |
| 3.092 | 2.3435 | 0.0000 | 73.441 | 0.22640 | 0.00000 | 5134.5 | 770.1 | 0.0 | U/P |
| 3.100 | 2.3947 | 0.0000 | 73.457 | 0.22760 | 0.00000 | 5205.6 | 776.9 | 0.0 | U/P |
| 3.108 | 2.4513 | 0.0000 | 73.474 | 0.22883 | 0.00000 | 5278.2 | 783.8 | 0.0 | U/P |
| 3.117 | 2.5132 | 0.0000 | 73.491 | 0.23008 | 0.00000 | 5352.7 | 790.7 | 0.0 | U/P |
| 3.125 | 2.5790 | 0.0000 | 73.508 | 0.23136 | 0.00000 | 5429.1 | 797.6 | 0.0 | U/P |
| 3.133 | 2.6486 | 0.0000 | 73.526 | 0.23267 | 0.00000 | 5507.5 | 804.5 | 0.0 | U/P |
| 3.142 | 2.7203 | 0.0000 | 73.544 | 0.23401 | 0.00000 | 5588.0 | 811.5 | 0.0 | U/P |
| 3.150 | 2.7944 | 0.0000 | 73.563 | 0.23538 | 0.00000 | 5670.8 | 818.6 | 0.0 | U/P |
| 3.158 | 2.8690 | 0.0000 | 73.582 | 0.23678 | 0.00000 | 5755.7 | 825.7 | 0.0 | U/P |
| 3.167 | 2.9443 | 0.0000 | 73.601 | 0.23822 | 0.00000 | 5842.9 | 832.8 | 0.0 | U/P |
| 3.175 | 3.0196 | 0.0000 | 73.621 | 0.23968 | 0.00000 | 5932.4 | 840.0 | 0.0 | U/P |
| 3.183 | 3.0949 | 0.0000 | 73.641 | 0.24118 | 0.00000 | 6024.1 | 847.2 | 0.0 | U/P |
| 3.192 | 3.1685 | 0.0000 | 73.662 | 0.24270 | 0.00000 | 6118.0 | 854.4 | 0.0 | U/P |
| 3.200 | 3.2404 | 0.0000 | 73.683 | 0.24425 | 0.00000 | 6214.2 | 861.7 | 0.0 | U/P |
| 3.208 | 3.3104 | 0.0000 | 73.705 | 0.24584 | 0.00000 | 6312.4 | 869.1 | 0.0 | U/P |
| 3.217 | 3.3783 | 0.0000 | 73.726 | 0.24744 | 0.00000 | 6412.8 | 876.5 | 0.0 | U/P |
| 3.225 | 3.4438 | 0.0000 | 73.748 | 0.24907 | 0.00000 | 6515.1 | 883.9 | 0.0 | U/P |
| 3.233 | 3.5070 | 0.0000 | 73.771 | 0.25072 | 0.00000 | 6619.4 | 891.4 | 0.0 | U/P |
| 3.242 | 3.5671 | 0.0000 | 73.793 | 0.25240 | 0.00000 | 6725.5 | 899.0 | 0.0 | U/P |
| 3.250 | 3.6241 | 0.0000 | 73.816 | 0.25409 | 0.00000 | 6833.3 | 906.6 | 0.0 | U/P |
| 3.258 | 3.6773 | 0.0000 | 73.839 | 0.25580 | 0.00000 | 6942.9 | 914.2 | 0.0 | U/P |
| 3.267 | 3.7268 | 0.0000 | 73.862 | 0.25752 | 0.00000 | 7053.9 | 921.9 | 0.0 | U/P |
| 3.275 | 3.7731 | 0.0000 | 73.886 | 0.25926 | 0.00000 | 7166.4 | 929.7 | 0.0 | U/P |
| 3.283 | 3.8161 | 0.0000 | 73.909 | 0.26100 | 0.00000 | 7280.3 | 937.5 | 0.0 | U/P |
| 3.292 | 3.8570 | 0.0000 | 73.933 | 0.26276 | 0.00000 | 7395.3 | 945.3 | 0.0 | U/P |
| 3.300 | 3.8955 | 0.0000 | 73.957 | 0.26452 | 0.00000 | 7511.6 | 953.2 | 0.0 | U/P |
| 3.308 | 3.9321 | 0.0000 | 73.980 | 0.26629 | 0.00000 | 7629.1 | 961.2 | 0.0 | U/P |
| 3.317 | 3.9667 | 0.0000 | 74.004 | 0.26898 | 0.00000 | 7747.5 | 969.2 | 0.0 | U/P |
| 3.325 | 3.9996 | 0.0000 | 74.028 | 0.27668 | 0.00000 | 7867.0 | 977.3 | 0.0 | U/P |
| 3.333 | 4.0308 | 0.0000 | 74.050 | 0.28827 | 0.00000 | 7987.5 | 985.8 | 0.0 | U/P |
| 3.342 | 4.0608 | 0.0000 | 74.072 | 0.29947 | 0.00000 | 8108.9 | 994.6 | 0.0 | U/P |
| 3.350 | 4.0896 | 0.0000 | 74.093 | 0.31032 | 0.00000 | 8231.1 | 1003.8 | 0.0 | U/P |
| 3.358 | 4.1170 | 0.0000 | 74.113 | 0.32085 | 0.00000 | 8354.2 | 1013.3 | 0.0 | U/P |
| 3.367 | 4.1432 | 0.0000 | 74.133 | 0.33109 | 0.00000 | 8478.1 | 1023.0 | 0.0 | U/P |
| 3.375 | 4.1683 | 0.0000 | 74.153 | 0.34106 | 0.00000 | 8602.8 | 1033.1 | 0.0 | U/P |
| 3.383 | 4.1923 | 0.0000 | 74.172 | 0.35079 | 0.00000 | 8728.2 | 1043.5 | 0.0 | U/P |
| 3.392 | 4.2153 | 0.0000 | 74.190 | 0.36029 | 0.00000 | 8854.3 | 1054.2 | 0.0 | U/P |
| 3.400 | 4.2372 | 0.0000 | 74.208 | 0.36957 | 0.00000 | 8981.1 | 1065.1 | 0.0 | U/P |
| 3.408 | 4.2583 | 0.0000 | 74.226 | 0.37866 | 0.00000 | 9108.5 | 1076.3 | 0.0 | U/P |
| 3.417 | 4.2786 | 0.0000 | 74.244 | 0.38757 | 0.00000 | 9236.6 | 1087.8 | 0.0 | U/P |
| 3.425 | 4.2982 | 0.0000 | 74.261 | 0.39629 | 0.00000 | 9365.2 | 1099.6 | 0.0 | U/P |
| 3.433 | 4.3170 | 0.0000 | 74.277 | 0.40486 | 0.00000 | 9494.5 | 1111.6 | 0.0 | U/P |
| 3.442 | 4.3352 | 0.0000 | 74.294 | 0.41327 | 0.00000 | 9624.2 | 1123.9 | 0.0 | U/P |
| 3.450 | 4.3527 | 0.0000 | 74.310 | 0.42153 | 0.00000 | 9754.6 | 1136.4 | 0.0 | U/P |
| 3.458 | 4.3697 | 0.0000 | 74.326 | 0.42965 | 0.00000 | 9885.4 | 1149.2 | 0.0 | U/P |
| 3.467 | 4.3860 | 0.0000 | 74.342 | 0.43764 | 0.00000 | 10016.7 | 1162.2 | 0.0 | U/P |
| 3.475 | 4.4018 | 0.0000 | 74.357 | 0.44550 | 0.00000 | 10148.6 | 1175.4 | 0.0 | U/P |
| 3.483 | 4.4171 | 0.0000 | 74.372 | 0.45324 | 0.00000 | 10280.8 | 1188.9 | 0.0 | U/P |
| 3.492 | 4.4320 | 0.0000 | 74.387 | 0.46086 | 0.00000 | 10413.6 | 1202.6 | 0.0 | U/P |
| 3.500 | 4.4464 | 0.0000 | 74.402 | 0.46837 | 0.00000 | 10546.8 | 1216.6 | 0.0 | U/P |
| 3.508 | 4.4606 | 0.0000 | 74.416 | 0.47578 | 0.00000 | 10680.4 | 1230.7 | 0.0 | U/P |
| 3.517 | 4.4747 | 0.0000 | 74.431 | 0.48309 | 0.00000 | 10814.4 | 1245.1 | 0.0 | U/P |
| 3.525 | 4.4892 | 0.0000 | 74.445 | 0.49030 | 0.00000 | 10948.8 | 1259.7 | 0.0 | U/P |
| 3.533 | 4.5042 | 0.0000 | 74.459 | 0.49742 | 0.00000 | 11083.7 | 1274.5 | 0.0 | U/P |
| 3.542 | 4.5199 | 0.0000 | 74.473 | 0.50445 | 0.00000 | 11219.1 | 1289.6 | 0.0 | U/P |
| 3.550 | 4.5364 | 0.0000 | 74.486 | 0.51140 | 0.00000 | 11355.0 | 1304.8 | 0.0 | U/P |
| 3.558 | 4.5540 | 0.0000 | 74.500 | 0.51828 | 0.00000 | 11491.3 | 1320.2 | 0.0 | U/P |
| 3.567 | 4.5728 | 0.0000 | 74.513 | 0.52508 | 0.00000 | 11628.2 | 1335.9 | 0.0 | U/P |
| 3.575 | 4.5932 | 0.0000 | 74.526 | 0.53181 | 0.00000 | 11765.7 | 1351.8 | 0.0 | U/P |
| 3.583 | 4.6154 | 0.0000 | 74.539 | 0.53848 | 0.00000 | 11903.8 | 1367.8 | 0.0 | U/P |
| 3.592 | 4.6395 | 0.0000 | 74.552 | 0.54510 | 0.00000 | 12042.6 | 1384.1 | 0.0 | U/P |
| 3.600 | 4.6659 | 0.0000 | 74.565 | 0.55167 | 0.00000 | 12182.2 | 1400.5 | 0.0 | U/P |
| 3.608 | 4.6943 | 0.0000 | 74.578 | 0.55818 | 0.00000 | 12322.6 | 1417.2 | 0.0 | U/P |
| 3.617 | 4.7246 | 0.0000 | 74.591 | 0.56466 | 0.00000 | 12463.9 | 1434.0 | 0.0 | U/P |
| 3.625 | 4.7565 | 0.0000 | 74.604 | 0.57110 | 0.00000 | 12606.1 | 1451.0 | 0.0 | U/P |
| 3.633 | 4.7895 | 0.0000 | 74.616 | 0.57751 | 0.00000 | 12749.3 | 1468.3 | 0.0 | U/P |
| 3.642 | 4.8236 | 0.0000 | 74.629 | 0.58389 | 0.00000 | 12893.5 | 1485.7 | 0.0 | U/P |
| 3.650 | 4.8582 | 0.0000 | 74.641 | 0.59024 | 0.00000 | 13038.7 | 1503.3 | 0.0 | U/P |
| 3.658 | 4.8933 | 0.0000 | 74.654 | 0.59656 | 0.00000 | 13185.0 | 1521.1 | 0.0 | U/P |
| 3.667 | 4.9283 | 0.0000 | 74.666 | 0.60286 | 0.00000 | 13332.3 | 1539.1 | 0.0 | U/P |
| 3.675 | 4.9632 | 0.0000 | 74.679 | 0.60913 | 0.00000 | 13480.7 | 1557.3 | 0.0 | U/P |
| 3.683 | 4.9980 | 0.0000 | 74.691 | 0.61538 | 0.00000 | 13630.1 | 1575.6 | 0.0 | U/P |
| 3.692 | 5.0322 | 0.0000 | 74.703 | 0.62161 | 0.00000 | 13780.6 | 1594.2 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (tt/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumufative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | $\begin{aligned} & \text { Flow } \\ & \text { Type } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 3.700 | 5.0656 | 0.0000 | 74.715 | 0.62782 | 0.00000 | 13932.1 | 1612.9 | 0.0 | U/P |
| 3.708 | 5.0980 | 0.0000 | 74.728 | 0.63400 | 0.00000 | 14084.5 | 1631.9 | 0.0 | U/P |
| 3.717 | 5.1295 | 0.0000 | 74.740 | 0.64016 | 0.00000 | 14237.9 | 1651.0 | 0.0 | U/P |
| 3.725 | 5.1600 | 0.0000 | 74.752 | 0.64630 | 0.00000 | 14392.3 | 1670.3 | 0.0 | U/P |
| 3.733 | 5.1893 | 0.0000 | 74.764 | 0.65241 | 0.00000 | 14547.5 | 1689.8 | 0.0 | U/P |
| 3.742 | 5.2174 | 0.0000 | 74.776 | 0.65849 | 0.00000 | 14703.6 | 1709.4 | 0.0 | U/P |
| 3.750 | 5.2442 | 0.0000 | 74.788 | 0.66455 | 0.00000 | 14860.5 | 1729.3 | 0.0 | U/P |
| 3.758 | 5.2694 | 0.0000 | 74.800 | 0.67058 | 0.00000 | 15018.2 | 1749.3 | 0.0 | U/P |
| 3.767 | 5.2931 | 0.0000 | 74.812 | 0.67658 | 0.00000 | 15176.7 | 1769.5 | 0.0 | U/P |
| 3.775 | 5.3152 | 0.0000 | 74.823 | 0.68255 | 0.00000 | 15335.8 | 1789.9 | 0.0 | U/P |
| 3.783 | 5.3360 | 0.0000 | 74.835 | 0.68849 | 0.00000 | 15495.6 | 1810.5 | 0.0 | U/P |
| 3.792 | 5.3556 | 0.0000 | 74.847 | 0.69440 | 0.00000 | 15655.9 | 1831.2 | 0.0 | U/P |
| 3.800 | 5.3742 | 0.0000 | 74.858 | 0.70028 | 0.00000 | 15816.9 | 1852.1 | 0.0 | U/P |
| 3.808 | 5.3918 | 0.0000 | 74.870 | 0.70612 | 0.00000 | 15978.4 | 1873.2 | 0.0 | U/P |
| 3.817 | 5.4086 | 0.0000 | 74.881 | 0.71193 | 0.00000 | 16140.4 | 1894.5 | 0.0 | U/P |
| 3.825 | 5.4246 | 0.0000 | 74.893 | 0.71771 | 0.00000 | 16302.9 | 1915.9 | 0.0 | U/P |
| 3.833 | 5.4399 | 0.0000 | 74.904 | 0.72345 | 0.00000 | 16465.8 | 1937.6 | 0.0 | U/P |
| 3.842 | 5.4545 | 0.0000 | 74.915 | 0.72916 | 0.00000 | 16629.3 | 1959.3 | 0.0 | U/P |
| 3.850 | 5.4685 | 0.0000 | 74.926 | 0.73483 | 0.00000 | 16793.1 | 1981.3 | 0.0 | U/P |
| 3.858 | 5.4820 | 0.0000 | 74.937 | 0.74047 | 0.00000 | 16957.4 | 2003.4 | 0.0 | U/P |
| 3.867 | 5.4950 | 0.0000 | 74.948 | 0.74608 | 0.00000 | 17122.0 | 2025.7 | 0.0 | U/P |
| 3.875 | 5.5074 | 0.0000 | 74.959 | 0.75166 | 0.00000 | 17287.1 | 2048.2 | 0.0 | U/P |
| 3.883 | 5.5194 | 0.0000 | 74.970 | 0.75720 | 0.00000 | 17452.5 | 2070.8 | 0.0 | U/P |
| 3.892 | 5.5310 | 0.0000 | 74.981 | 0.76271 | 0.00000 | 17618.2 | 2093.6 | 0.0 | U/P |
| 3.900 | 5.5420 | 0.0000 | 74.992 | 0.76818 | 0.00000 | 17784.3 | 2116.6 | 0.0 | U/P |
| 3.908 | 5.5527 | 0.0000 | 75.003 | 0.77346 | 0.00000 | 17950.7 | 2139.7 | 0.0 | U/P |
| 3.917 | 5.5630 | 0.0000 | 75.013 | 0.77804 | 0.00000 | 18117.5 | 2163.0 | 0.0 | U/P |
| 3.925 | 5.5730 | 0.0000 | 75.024 | 0.78209 | 0.00000 | 18284.5 | 2186.4 | 0.0 | U/P |
| 3.933 | 5.5827 | 0.0000 | 75.035 | 0.78613 | 0.00000 | 18451.8 | 2209.9 | 0.0 | U/P |
| 3.942 | 5.5820 | 0.0000 | 75.045 | 0.79015 | 0.00000 | 18619.5 | 2233.6 | 0.0 | U/P |
| 3.950 | 5.6011 | 0.0000 | 75.056 | 0.79415 | 0.00000 | 18787.4 | 2257.3 | 0.0 | U/P |
| 3.958 | 5.6099 | 0.0000 | 75.066 | 0.79814 | 0.00000 | 18955.5 | 2281.2 | 0.0 | U/P |
| 3.967 | 5.6185 | 0.0000 | 75.076 | 0.80211 | 0.00000 | 19123.9 | 2305.2 | 0.0 | U/P |
| 3.975 | 5.6268 | 0.0000 | 75.087 | 0.80607 | 0.00000 | 19292.6 | 2329.3 | 0.0 | U/P |
| 3.983 | 5.6348 | 0.0000 | 75.097 | 0.81001 | 0.00000 | 19461.5 | 2353.6 | 0.0 | U/P |
| 3.992 | 5.6427 | 0.0000 | 75.107 | 0.81393 | 0.00000 | 19630.7 | 2377.9 | 0.0 | U/P |
| 4.000 | 5.6503 | 0.0000 | 75.118 | 0.81784 | 0.00000 | 19800.1 | 2402.4 | 0.0 | U/P |
| 4.008 | 5.6579 | 0.0000 | 75.128 | 0.82174 | 0.00000 | 19969.7 | 2427.0 | 0.0 | U/P |
| 4.017 | 5.6664 | 0.0000 | 75.138 | 0.82562 | 0.00000 | 20139.6 | 2451.7 | 0.0 | U/P |
| 4.025 | 5.6761 | 0.0000 | 75.148 | 0.82948 | 0.00000 | 20309.7 | 2476.6 | 0.0 | U/P |
| 4.033 | 5.6885 | 0.0000 | 75.158 | 0.83333 | 0.00000 | 20480.2 | 2501.5 | 0.0 | U/P |
| 4.042 | 5.7036 | 0.0000 | 75.168 | 0.83717 | 0.00000 | 20651.1 | 2526.6 | 0.0 | U/P |
| 4.050 | 5.7223 | 0.0000 | 75.179 | 0.84101 | 0.00000 | 20822.5 | 2551.7 | 0.0 | U/P |
| 4.058 | 5.7445 | 0.0000 | 75.189 | 0.84483 | 0.00000 | 20994.5 | 2577.0 | 0.0 | U/P |
| 4.067 | 5.7716 | 0.0000 | 75.199 | 0.84865 | 0.00000 | 21167.2 | 2602.4 | 0.0 | U/P |
| 4.075 | 5.8035 | 0.0000 | 75.209 | 0.85248 | 0.00000 | 21340.8 | 2627.9 | 0.0 | U/P |
| 4.083 | 5.8419 | 0.0000 | 75.219 | 0.85631 | 0.00000 | 21515.5 | 2653.6 | 0.0 | U/P |
| 4.092 | 5.8868 | 0.0000 | 75.229 | 0.86015 | 0.00000 | 21691.5 | 2679.3 | 0.0 | U/P |
| 4.100 | 5.9394 | 0.0000 | 75.239 | 0.86400 | 0.00000 | 21868.8 | 2705.2 | 0.0 | U/P |
| 4.108 | 5.9996 | 0.0000 | 75.249 | 0.86787 | 0.00000 | 22047.9 | 2731.2 | 0.0 | U/P |
| 4.117 | 6.0664 | 0.0000 | 75.259 | 0.87177 | 0.00000 | 22228.9 | 2757.2 | 0.0 | U/P |
| 4.125 | 6.1396 | 0.0000 | 75.270 | 0.87570 | 0.00000 | 22412.0 | 2783.5 | 0.0 | U/P |
| 4.133 | 6.2173 | 0.0000 | 75.280 | 0.87966 | 0.00000 | 22597.4 | 2809.8 | 0.0 | U/P |
| 4.142 | 6.2995 | 0.0000 | 75.291 | 0.88366 | 0.00000 | 22785.1 | 2836.2 | 0.0 | U/P |
| 4.150 | 6.3841 | 0.0000 | 75.302 | 0.88770 | 0.00000 | 22975.4 | 2862.8 | 0.0 | U/P |
| 4.158 | 6.4711 | 0.0000 | 75.312 | 0.89178 | 0.00000 | 23168.2 | 2889.5 | 0.0 | U/P |
| 4.167 | 6.5586 | 0.0000 | 75.323 | 0.89591 | 0.00000 | 23363.6 | 2916.3 | 0.0 | U/P |
| 4.175 | 6.6465 | 0.0000 | 75.334 | 0.90007 | 0.00000 | 23561.7 | 2943.3 | 0.0 | U/P |
| 4.183 | 6.7340 | 0.0000 | 75.345 | 0.90428 | 0.00000 | 23762.4 | 2970.3 | 0.0 | U/P |
| 4.192 | 6.8211 | 0.0000 | 75.357 | 0.90853 | 0.00000 | 23965.8 | 2997.5 | 0.0 | U/P |
| 4.200 | 6.9058 | 0.0000 | 75.368 | 0.91282 | 0.00000 | 24171.7 | 3024.8 | 0.0 | U/P |
| 4.208 | 6.9881 | 0.0000 | 75.379 | 0.91714 | 0.00000 | 24380.1 | 3052.3 | 0.0 | U/P |
| 4.217 | 7.0675 | 0.0000 | 75.391 | 0.92151 | 0.00000 | 24590.9 | 3079.9 | 0.0 | U/P |
| 4.225 | 7.1441 | 0.0000 | 75.402 | 0.92590 | 0.00000 | 24804.1 | 3107.6 | 0.0 | U/P |
| 4.233 | 7.2174 | 0.0000 | 75.414 | 0.93033 | 0.00000 | 25019.5 | 3135.4 | 0.0 | U/P |
| 4.242 | 7.2875 | 0.0000 | 75.426 | 0.93478 | 0.00000 | 25237.1 | 3163.4 | 0.0 | U/P |
| 4.250 | 7.3534 | 0.0000 | 75.438 | 0.93926 | 0.00000 | 25456.7 | 3191.5 | 0.0 | U/P |
| 4.258 | 7.4753 | 0.0000 | 75.449 | 0.94376 | 0.00000 | 25678.2 | 3219.7 | 0.0 | U/P |
| 4.267 | 7.4723 | 0.0000 | 75.461 | 0.94827 | 0.00000 | 25901.5 | 3248.1 | 0.0 | U/P |
| 4.275 | 7.5243 | 0.0000 | 75.473 | 0.95281 | 0.00000 | 26126.5 | 3276.6 | 0.0 | U/P |
| 4.283 | 7.5723 | 0.0000 | 75.485 | 0.95735 | 0.00000 | 26352.9 | 3305.3 | 0.0 | U/P |
| 4.292 | 7.6162 | 0.0000 | 75.497 | 0.96190 | 0.00000 | 26580.8 | 3334.1 | 0.0 | U/P |
| 4.300 | 7.6573 | 0.0000 | 75.509 | 0.96646 | 0.00000 | 26809.9 | 3363.0 | 0.0 | U/P |
| 4.308 | 7.6954 | 0.0000 | 75.521 | 0.97103 | 0.00000 | 27040.1 | 3392.1 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont.d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overlow <br> Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative unfiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4.317 | 7.7310 | 0.0000 | 75.533 | 0.97559 | 0.00000 | 27271.5 | 3421.3 | 0.0 | U/P |
| 4.325 | 7.7642 | 0.0000 | 75.545 | 0.98015 | 0.00000 | 27504.0 | 3450.6 | 0.0 | U/P |
| 4.333 | 7.7953 | 0.0000 | 75.557 | 0.98471 | 0.00000 | 27737.4 | 3480.1 | 0.0 | U/P |
| 4.342 | 7.8243 | 0.0000 | 75.569 | 0.98927 | 0.00000 | 27971.7 | 3509.7 | 0.0 | U/P |
| 4.350 | 7.8517 | 0.0000 | 75.581 | 0.99382 | 0.00000 | 28206.8 | 3539.4 | 0.0 | U/P |
| 4.358 | 7.8776 | 0.0000 | 75.593 | 0.99837 | 0.00000 | 28442.7 | 3569.3 | 0.0 | U/P |
| 4.367 | 7.9020 | 0.0000 | 75.605 | 1.00291 | 0.00000 | 28679.4 | 3599.3 | 0.0 | U/P |
| 4.375 | 7.9249 | 0.0000 | 75.617 | 1.00745 | 0.00000 | 28916.8 | 3629.5 | 0.0 | U/P |
| 4.383 | 7.9464 | 0.0000 | 75.629 | 1.01197 | 0.00000 | 29154.9 | 3659.8 | 0.0 | U/P |
| 4.392 | 7.9667 | 0.0000 | 75.641 | 1.01649 | 0.00000 | 29393.6 | 3690.2 | 0.0 | U/P |
| 4.400 | 7.9857 | 0.0000 | 75.652 | 1.02100 | 0.00000 | 29632.9 | 3720.8 | 0.0 | U/P |
| 4.408 | 8.0035 | 0.0000 | 75.664 | 1.02549 | 0.00000 | 29872.7 | 3751.5 | 0.0 | U/P |
| 4.417 | 8.0203 | 0.0000 | 75.676 | 1.02998 | 0.00000 | 30113.1 | 3782.3 | 0.0 | U/P |
| 4.425 | 8.0363 | 0.0000 | 75.688 | 1.03445 | 0.00000 | 30353.9 | 3813.3 | 0.0 | U/P |
| 4.433 | 8.0514 | 0.0000 | 75.699 | 1.03891 | 0.00000 | 30595.2 | 3844.4 | 0.0 | U/P |
| 4.442 | 8.0657 | 0.0000 | 75.711 | 1.04336 | 0.00000 | 30837.0 | 3875.6 | 0.0 | U/P |
| 4.450 | 8.0792 | 0.0000 | 75.723 | 1.04780 | 0.00000 | 31079.2 | 3907.0 | 0.0 | U/P |
| 4.458 | 8.0921 | 0.0000 | 75.734 | 1.05222 | 0.00000 | 31321.7 | 3938.5 | 0.0 | U/P |
| 4.467 | 8.1043 | 0.0000 | 75.746 | 1.05663 | 0.00000 | 31564.7 | 3970.1 | 0.0 | U/P |
| 4.475 | 8.1159 | 0.0000 | 75.757 | 1.06103 | 0.00000 | 31808.0 | 4001.9 | 0.0 | U/P |
| 4.483 | 8.1269 | 0.0000 | 75.769 | 1.06541 | 0.00000 | 32051.6 | 4033.8 | 0.0 | U/P |
| 4.492 | 8.1375 | 0.0000 | 75.780 | 1.06978 | 0.00000 | 32295.6 | 4065.8 | 0.0 | U/P |
| 4.500 | 8.1475 | 0.0000 | 75.792 | 1.07414 | 0.00000 | 32539.9 | 4098.0 | 0.0 | U/P |
| 4.508 | 8.1570 | 0.0000 | 75.803 | 1.07848 | 0.00000 | 32784.4 | 4130.2 | 0.0 | U/P |
| 4.517 | 8.1663 | 0.0000 | 75.815 | 1.08280 | 0.00000 | 33029.3 | 4162.7 | 0.0 | U/P |
| 4.525 | 8.1755 | 0.0000 | 75.826 | 1.08712 | 0.00000 | 33274.4 | 4195.2 | 0.0 | U/P |
| 4.533 | 8.1847 | 0.0000 | 75.837 | 1.09142 | 0.00000 | 33519.8 | 4227.9 | 0.0 | U/P |
| 4.542 | 8.1941 | 0.0000 | 75.848 | 1.09570 | 0.00000 | 33765.5 | 4260.7 | 0.0 | U/P |
| 4.550 | 8.2038 | 0.0000 | 75.860 | 1.09997 | 0.00000 | 34011.5 | 4293.6 | 0.0 | U/P |
| 4.558 | 8.2140 | 0.0000 | 75.871 | 1.10423 | 0.00000 | 34257.7 | 4326.7 | 0.0 | U/P |
| 4.567 | 8.2247 | 0.0000 | 75.882 | 1.10848 | 0.00000 | 34504.3 | 4359.9 | 0.0 | U/P |
| 4.575 | 8.2360 | 0.0000 | 75.893 | 1.11271 | 0.00000 | 34751.2 | 4393.2 | 0.0 | U/P |
| 4.583 | 8.2483 | 0.0000 | 75.904 | 1.11693 | 0.00000 | 34998.5 | 4426.6 | 0.0 | U/P |
| 4.592 | 8.2616 | 0.0000 | 75.915 | 1.12114 | 0.00000 | 35246.1 | 4460.2 | 0.0 | U/P |
| 4.600 | 8.2761 | 0.0000 | 75.926 | 1.12534 | 0.00000 | 35494.2 | 4493.9 | 0.0 | U/P |
| 4.608 | 8.2918 | 0.0000 | 75.937 | 1.12953 | 0.00000 | 35742.7 | 4527.7 | 0.0 | U/P |
| 4.617 | 8.3088 | 0.0000 | 75.948 | 1.13371 | 0.00000 | 35891.7 | 4561.7 | 0.0 | U/P |
| 4.625 | 8.3268 | 0.0000 | 75.959 | 1.13788 | 0.00000 | 36241.3 | 4595.8 | 0.0 | U/P |
| 4.633 | 8.3457 | 0.0000 | 75.970 | 1.14205 | 0.00000 | 36491.4 | 4630.0 | 0.0 | U/P |
| 4.642 | 8.3652 | 0.0000 | 75.981 | 1.14621 | 0.00000 | 36742.0 | 4664.3 | 0.0 | U/P |
| 4.650 | 8.3853 | 0.0000 | 75.992 | 1.15036 | 0.00000 | 36993.3 | 4698.7 | 0.0 | U/P |
| 4.658 | 8.4058 | 0.0000 | 76.003 | 1.15466 | 0.00000 | 37245.1 | 4733.3 | 0.0 | U/P |
| 4.667 | 8.4263 | 0.0000 | 76.014 | 1.15952 | 0.00000 | 37497.6 | 4768.0 | 0.0 | U/P |
| 4.675 | 8.4469 | 0.0000 | 76.025 | 1.16480 | 0.00000 | 37750.7 | 4802.9 | 0.0 | U/P |
| 4.683 | 8.4673 | 0.0000 | 76.035 | 1.17007 | 0.00000 | 38004.4 | 4837.9 | 0.0 | U/P |
| 4.692 | 8.4876 | 0.0000 | 76.046 | 1.17532 | 0.00000 | 38258.8 | 4873.1 | 0.0 | U/P |
| 4.700 | 8.5075 | 0.0000 | 76.057 | 1.18056 | 0.00000 | 38513.7 | 4908.4 | 0.0 | U/P |
| 4.708 | 8.5268 | 0.0000 | 76.068 | 1.18579 | 0.00000 | 38769.2 | 4943.9 | 0.0 | U/P |
| 4.717 | 8.5456 | 0.0000 | 76.078 | 1.19101 | 0.00000 | 39025.3 | 4979.6 | 0.0 | U/P |
| 4.725 | 8.5637 | 0.0000 | 76.089 | 1.19621 | 0.00000 | 39281.9 | 5015.4 | 0.0 | U/P |
| 4.733 | 8.5811 | 0,0000 | 76.100 | 1.20140 | 0.00000 | 39539.1 | 5051.3 | 0.0 | U/P |
| 4.742 | 8.5979 | 0.0000 | 76.110 | 1.20657 | 0.00000 | 39796.8 | 5087.5 | 0.0 | U/P |
| 4.750 | 8.6138 | 0.0000 | 76.121 | 1.21173 | 0.00000 | 40055.0 | 5123.7 | 0.0 | U/P |
| 4.758 | 8.6289 | 0.0000 | 76.132 | 1.21688 | 0.00000 | 40313.6 | 5160.2 | 0.0 | U/P |
| 4.767 | 8.6430 | 0.0000 | 76.142 | 1.22201 | 0.00000 | 40572.7 | 5196.7 | 0.0 | U/P |
| 4.775 | 8.6561 | 0.0000 | 76.153 | 1.22713 | 0.00000 | 40832.2 | 5233.5 | 0.0 | U/P |
| 4.783 | 8.6683 | 0.0000 | 76.163 | 1.23223 | 0.00000 | 41092.0 | 5270.4 | 0.0 | U/P |
| 4.792 | 8.6797 | 0.0000 | 76.173 | 1.23731 | 0.00000 | 41352.2 | 5307.4 | 0.0 | U/P |
| 4.800 | 8.6903 | 0.0000 | 76.184 | 1.24238 | 0.00000 | 41612.8 | 5344.6 | 0.0 | U/P |
| 4.808 | 8.7003 | 0.0000 | 76.194 | 1.24743 | 0.00000 | 41873.6 | 5382.0 | 0.0 | U/P |
| 4.817 | 8.7097 | 0.0000 | 76.205 | 1.25246 | 0.00000 | 42134.8 | 5419.5 | 0.0 | U/P |
| 4.825 | 8.7185 | 0.0000 | 76.215 | 1.25748 | 0.00000 | 42396.2 | 5457.1 | 0.0 | U/P |
| 4.833 | 8.7269 | 0.0000 | 76.225 | 1.26248 | 0.00000 | 42657.9 | 5494.9 | 0.0 | U/P |
| 4.842 | 8.7348 | 0.0000 | 76.235 | 1.26746 | 0.00000 | 42919.8 | 5532.9 | 0.0 | U/P |
| 4.850 | 8.7423 | 0.0000 | 76.246 | 1.27242 | 0.00000 | 43182.0 | 5571.0 | 0.0 | U/P |
| 4.858 | 8.7495 | 0.0000 | 76.256 | 1.27737 | 0.00000 | 43444.4 | 5609.2 | 0.0 | U/P |
| 4.867 | 8.7564 | 0.0000 | 76.266 | 1.28230 | 0.00000 | 43707.0 | 5647.6 | 0.0 | U/P |
| 4.875 | 8.7630 | 0.0000 | 76.276 | 1.28721 | 0.00000 | 43969.7 | 5686.1 | 0.0 | U/P |
| 4.883 | 8.7693 | 0.0000 | 76.286 | 1.29210 | 0.00000 | 44232.7 | 5724.8 | 0.0 | U/P |
| 4.892 | 8.7753 | 0.0000 | 76.296 | 1.29698 | 0.00000 | 44495.9 | 5763.7 | 0.0 | U/P |
| 4.900 | 8.7810 | 0.0000 | 76.306 | 1.30184 | 0.00000 | 44759.2 | 5802.6 | 0.0 | U/P |
| 4.908 | 8.7865 | 0.0000 | 76.316 | 1.30668 | 0.00000 | 45022.8 | 5841.8 | 0.0 | U/P |
| 4.917 | 8.7917 | 0.0000 | 76.326 | 1.31150 | 0.00000 | 45286.4 | 5881.0 | 0.0 | U/P |
| 4.925 | 8.7968 | 0.0000 | 76.336 | 1.31631 | 0.00000 | 45550.3 | 5920.5 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) $\because:$ Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f} 3 / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate (fis/s) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume (ft ${ }^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4.933 | 8.8017 | 0.0000 | 76.345 | 1.32110 | 0.00000 | 45814.2 | 5960.0 | 0.0 | U/P |
| 4.942 | 8.8063 | 0.0000 | 76.355 | 1.32587 | 0.00000 | 46078.3 | 5999.7 | 0.0 | U/P |
| 4.950 | 8.8109 | 0.0000 | 76.365 | 1.33063 | 0.00000 | 46342.6 | 6039.6 | 0.0 | U/P |
| 4.958 | 8.8152 | 0.0000 | 76.375 | 1.33536 | 0.00000 | 46607.0 | 6079.6 | 0.0 | U/P |
| 4.967 | 8.8194 | 0.0000 | 76.384 | 1.34008 | 0.00000 | 46871.5 | 6119.7 | 0.0 | U/P |
| 4.975 | 8.8235 | 0.0000 | 76.394 | 1.34479 | 0.00000 | 47136.2 | 6160.0 | 0.0 | U/P |
| 4.983 | 8.8275 | 0.0000 | 76.404 | 1.34947 | 0.00000 | 47400.9 | 6200.4 | 0.0 | U/P |
| 4.992 | 8.8313 | 0.0000 | 76.413 | 1.35414 | 0.00000 | 47665.8 | 6240.9 | 0.0 | U/P |
| 5.000 | 8.8352 | 0.0000 | 76.423 | 1.35880 | 0.00000 | 47930.8 | 6281.6 | 0.0 | U/P |
| 5.008 | 8.8392 | 0.0000 | 76.432 | 1.36344 | 0.00000 | 48195.9 | 6322.5 | 0.0 | U/P |
| 5.017 | 8.8435 | 0.0000 | 76.442 | 1.36806 | 0.00000 | 48461.2 | 6363.4 | 0.0 | U/P |
| 5.025 | 8.8482 | 0.0000 | 76.451 | 1.37266 | 0.00000 | 48726.5 | 6404.6 | 0.0 | U/P |
| 5.033 | 8.8534 | 0.0000 | 76.461 | 1.37725 | 0.00000 | 48992.1 | 6445.8 | 0.0 | U/P |
| 5.042 | 8.8590 | 0.0000 | 76.470 | 1.38183 | 0.00000 | 49257.7 | 6487.2 | 0.0 | U/P |
| 5.050 | 8.8654 | 0.0000 | 76.479 | 1.38639 | 0.00000 | 49523.6 | 6528.7 | 0.0 | U/P |
| 5.058 | 8.8725 | 0.0000 | 76.489 | 1.39094 | 0.00000 | 49789.7 | 6570.4 | 0.0 | U/P |
| 5.067 | 8.8805 | 0.0000 | 76.498 | 1.39547 | 0.00000 | 50056.0 | 6612.2 | 0.0 | U/P |
| 5.075 | 8.8896 | 0.0000 | 76.507 | 1.39999 | 0.00000 | 50322.5 | 6654.1 | 0.0 | U/P |
| 5.083 | 8.8997 | 0.0000 | 76.517 | 1.40450 | 0.00000 | 50589.4 | 6696.2 | 0.0 | U/P |
| 5.092 | 8.9111 | 0.0000 | 76.526 | 1.40900 | 0.00000 | 50856.5 | 6738.4 | 0.0 | U/P |
| 5.100 | 8.9235 | 0.0000 | 76.535 | 1.41349 | 0.00000 | 51124.0 | 6780.7 | 0.0 | U/P |
| 5.108 | 8.9368 | 0.0000 | 76.544 | 1.47797 | 0.00000 | 51392.0 | 6823.2 | 0.0 | U/P |
| 5.117 | 8.9509 | 0.0000 | 76.554 | 1.42244 | 0.00000 | 51660.3 | 6865.8 | 0.0 | U/P |
| 5.125 | 8.9655 | 0.0000 | 76.563 | 1.42690 | 0.00000 | 51929.0 | 6908.5 | 0.0 | U/P |
| 5.133 | 8.9806 | 0.0000 | 76.572 | 1.43135 | 0.00000 | 52198.2 | 6951.4 | 0.0 | U/P |
| 5.142 | 8.9960 | 0.0000 | 76.581 | 1.43580 | 0.00000 | 52467.9 | 6994.4 | 0.0 | U/P |
| 5.150 | 9.0115 | 0.0000 | 76.590 | 1.44023 | 0.00000 | 52738.0 | 7037.5 | 0.0 | U/P |
| 5.158 | 9.0269 | 0.0000 | 76.599 | 1.44467 | 0.00000 | 53008.5 | 7080.8 | 0.0 | U/P |
| 5.167 | 9.0423 | 0.0000 | 76.608 | 1.44909 | 0.00000 | 53279.6 | 7124.2 | 0.0 | U/P |
| 5.175 | 9.0576 | 0.0000 | 76.617 | 1.45351 | 0.00000 | 53551.1 | 7167.8 | 0.0 | U/P |
| 5.183 | 9.0725 | 0.0000 | 76.626 | 1.45792 | 0.00000 | 53823.0 | 7211.4 | 0.0 | U/P |
| 5.192 | 9.0870 | 0.0000 | 76.635 | 1.46232 | 0.00000 | 54095.4 | 7255.2 | 0.0 | U/P |
| 5.200 | 9.1010 | 0.0000 | 76.645 | 1.46672 | 0.00000 | 54368.2 | 7299.2 | 0.0 | U/P |
| 5.208 | 9.1145 | 0.0000 | 76.654 | 1.47110 | 0.00000 | 54641.5 | 7343.2 | 0.0 | U/P |
| 5.217 | 9.1274 | 0.0000 | 76.663 | 1.47548 | 0.00000 | 54915.1 | 7387.4 | 0.0 | U/P |
| 5.225 | 9.1398 | 0.0000 | 76.672 | 1.47985 | 0.00000 | 55189.1 | 7431.8 | 0.0 | U/P |
| 5.233 | 9.1516 | 0.0000 | 76.680 | 1.48422 | 0.00000 | 55463.5 | 7476.2 | 0.0 | U/P |
| 5.242 | 9.1626 | 0.0000 | 76.689 | 1.48857 | 0.00000 | 55738.2 | 7520.8 | 0.0 | U/P |
| 5.250 | 9.1729 | 0.0000 | 76.698 | 1.49292 | 0.00000 | 56013.2 | 7565.5 | 0.0 | U/P |
| 5.258 | 9.1824 | 0.0000 | 76.707 | 1.49726 | 0.00000 | 56288.6 | 7610.4 | 0.0 | U/P |
| 5.267 | 9.1911 | 0.0000 | 76.716 | 1.50158 | 0.00000 | 56564.2 | 7655.4 | 0.0 | U/P |
| 5.275 | 9.1993 | 0.0000 | 76.725 | 1.50590 | 0.00000 | 56840.0 | 7700.5 | 0.0 | U/P |
| 5.283 | 9.2069 | 0.0000 | 76.734 | 1.51021 | 0.00000 | 57116.1 | 7745.7 | 0.0 | U/P |
| 5.292 | 9.2140 | 0.0000 | 76.743 | 1.51450 | 0.00000 | 57392.4 | 7791.1 | 0.0 | U/P |
| 5.300 | 9.2207 | 0.0000 | 76.751 | 1.51879 | 0.00000 | 57668.9 | 7836.6 | 0.0 | U/P |
| 5.308 | 9.2270 | 0.0000 | 76.760 | 1.52306 | 0.00000 | 57945.7 | 7882.2 | 0.0 | U/P |
| 5.317 | 9.2330 | 0.0000 | 76.769 | 1.52733 | 0.00000 | 58222.6 | 7928.0 | 0.0 | U/P |
| 5.325 | 9.2386 | 0.0000 | 76.778 | 1.53158 | 0.00000 | 58499.6 | 7973.9 | 0.0 | U/P |
| 5.333 | 9.2439 | 0.0000 | 76.786 | 1.53582 | 0.00000 | 58776.9 | 8019.9 | 0.0 | U/P |
| 5.342 | 9.2490 | 0.0000 | 76.795 | 1.54005 | 0.00000 | 59054.3 | 8066.0 | 0.0 | U/P |
| 5.350 | 9.2538 | 0.0000 | 76.804 | 1.54428 | 0.00000 | 59331.8 | 8112.3 | 0.0 | U/P |
| 5.358 | 9.2583 | 0.0000 | 76.812 | 1.54848 | 0.00000 | 59609.5 | 8158.7 | 0.0 | U/P |
| 5.367 | 9.2627 | 0.0000 | 76.821 | 1.55268 | 0.00000 | 59887.3 | 8205.2 | 0.0 | U/P |
| 5.375 | 9.2668 | 0.0000 | 76.830 | 1.55687 | 0.00000 | 60165.2 | 8251.8 | 0.0 | U/P |
| 5.383 | 9.2707 | 0.0000 | 76.838 | 1.56104 | 0.00000 | 60443.3 | 8298.6 | 0.0 | U/P |
| 5.392 | 9.2744 | 0.0000 | 76.847 | 1.56521 | 0.00000 | 60721.5 | 8345.5 | 0.0 | U/P |
| 5.400 | 9.2780 | 0.0000 | 76.855 | 1.56936 | 0.00000 | 60999.8 | 8392.5 | 0.0 | U/P |
| 5.408 | 9.2814 | 0.0000 | 76.864 | 1.57350 | 0.00000 | 61278.2 | 8439.7 | 0.0 | U/P |
| 5.417 | 9.2847 | 0.0000 | 76.872 | 1.57763 | 0.00000 | 61556.6 | 8486.9 | 0.0 | U/P |
| 5.425 | 9.2878 | 0.0000 | 76.881 | 1.58175 | 0.00000 | 61835.2 | 8534.3 | 0.0 | U/P |
| 5.433 | 9.2908 | 0.0000 | 76.889 | 1.58586 | 0.00000 | 62113.9 | 8581.8 | 0.0 | U/P |
| 5.442 | 9.2937 | 0.0000 | 76.898 | 1.58995 | 0.00000 | 62392.7 | 8629.5 | 0.0 | U/P |
| 5.450 | 9.2965 | 0.0000 | 76.906 | 1.59404 | 0.00000 | 62671.5 | 8677.2 | 0.0 | U/P |
| 5.458 | 9.2991 | 0.0000 | 76.914 | 1.59811 | 0.00000 | 62950.5 | 8725.1 | 0.0 | U/P |
| 5.467 | 9.3017 | 0.0000 | 76.923 | 1.60218 | 0.00000 | 63229.5 | 8773.1 | 0.0 | U/P |
| 5.475 | 9.3042 | 0.0000 | 76.931 | 1.60623 | 0.00000 | 63508.6 | 8821.2 | 0.0 | U/P |
| 5.483 | 9.3066 | 0.0000 | 76.939 | 1.61027 | 0.00000 | 63787.7 | 8869.5 | 0.0 | U/P |
| 5.492 | 9.3089 | 0.0000 | 76.948 | 1.61430 | 0.00000 | 64067.0 | 8917.9 | 0.0 | U/P |
| 5.500 | 9.3112 | 0.0000 | 76.956 | 1.61832 | 0.00000 | 64346.3 | 8966.4 | 0.0 | U/P |
| 5.508 | 9.3134 | 0.0000 | 76.964 | 1.62233 | 0.00000 | 64625.6 | 9015.0 | 0.0 | U/P |
| 5.517 | 9.3155 | 0.0000 | 76.972 | 1.62633 | 0.00000 | 64905.1 | 9063.7 | 0.0 | U/P |
| 5.525 | 9.3176 | 0.0000 | 76.981 | 1.63031 | 0.00000 | 65184.6 | 9112.5 | 0.0 | U/P |
| 5.533 | 9.3196 | 0.0000 | 76.989 | 1.63429 | 0.00000 | 65464.1 | 9161.5 | 0.0 | U/P |
| 5.542 | 9.3215 | 0.0000 | 76.997 | 1.63825 | 0.00000 | 65743.7 | 9210.6 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (it datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overfiow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infilitration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative <br> Discharge <br> Volume $\left(\mathrm{ft}^{3}\right)$ | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 5.550 | 9.3234 | 0.0000 | 77.005 | 1.64203 | 0.00000 | 66023.4 | 9259.8 | 0.0 | U/P |
| 5.558 | 9.3253 | 0.0000 | 77.013 | 1.64549 | 0.00000 | 66303.1 | 9309.1 | 0.0 | U/P |
| 5.567 | 9.3271 | 0.0000 | 77.021 | 1.64882 | 0.00000 | 66582.9 | 9358.5 | 0.0 | U/P |
| 5.575 | 9.3289 | 0.0000 | 77.029 | 1.65215 | 0.00000 | 66862.8 | 9408.1 | 0.0 | U/P |
| 5.583 | 9.3306 | 0.0000 | 77.037 | 1.65547 | 0.00000 | 67142.7 | 9457.7 | 0.0 | U/P |
| 5.592 | 9.3323 | 0.0000 | 77.045 | 1.65879 | 0.00000 | 67422.6 | 9507.4 | 0.0 | U/P |
| 5.600 | 9.3340 | 0.0000 | 77.053 | 1.66209 | 0.00000 | 67702.6 | 9557.2 | 0.0 | U/P |
| 5.608 | 9.3356 | 0.0000 | 77.061 | 1.66539 | 0.00000 | 67982.6 | 9607.1 | 0.0 | U/P |
| 5.617 | 9.3372 | 0.0000 | 77.069 | 1.66869 | 0.00000 | 68262.7 | 9657.1 | 0.0 | U/P |
| 5.625 | 9.3388 | 0.0000 | 77.077 | 1.67197 | 0.00000 | 68542.9 | 9707.2 | 0.0 | U/P |
| 5.633 | 9.3403 | 0.0000 | 77.085 | 1.67525 | 0.00000 | 68823.1 | 9757.4 | 0.0 | U/P |
| 5.642 | 9.3418 | 0.0000 | 77.093 | 1.67852 | 0.00000 | 69103.3 | 9807.7 | 0.0 | U/P |
| 5.650 | 9.3433 | 0.0000 | 77.101 | 1.68178 | 0.00000 | 69383.6 | 9858.1 | 0.0 | U/P |
| 5.658 | 9.3448 | 0.0000 | 77.109 | 1.68504 | 0.00000 | 69663.9 | 9908.6 | 0.0 | U/P |
| 5.667 | 9.3462 | 0.0000 | 77.117 | 1.68829 | 0.00000 | 69944.3 | 9959.2 | 0.0 | U/P |
| 5.675 | 9.3476 | 0.0000 | 77.125 | 1.69153 | 0.00000 | 70224.7 | 10010.0 | 0.0 | U/P |
| 5.683 | 9.3490 | 0.0000 | 77.132 | 1.69477 | 0.00000 | 70505.1 | 10060.7 | 0.0 | U/P |
| 5.692 | 9.3504 | 0.0000 | 77.740 | 1.69800 | 0.00000 | 70785.6 | 10111.6 | 0.0 | U/P |
| 5.700 | 9.3518 | 0.0000 | 77.148 | 1.70122 | 0.00000 | 71066.1 | 10162.6 | 0.0 | U/P |
| 5.708 | 9.3531 | 0.0000 | 77.156 | 1.70443 | 0.00000 | 71346.7 | 10213.7 | 0.0 | U/P |
| 5.717 | 9.3545 | 0.0000 | 77.164 | 1.70764 | 0.00000 | 71627.3 | 10264.9 | 0.0 | U/P |
| 5.725 | 9.3558 | 0.0000 | 77.171 | 1.71084 | 0.00000 | 71908.0 | 10316.2 | 0.0 | U/P |
| 5.733 | 9.3571 | 0.0000 | 77.179 | 1.71404 | 0.00000 | 72188.7 | 10367.5 | 0.0 | U/P |
| 5.742 | 9.3584 | 0.0000 | 77.187 | 1.71722 | 0.00000 | 72469.4 | 10419.0 | 0.0 | U/P |
| 5.750 | 9.3596 | 0.0000 | 77.195 | 1.72041 | 0.00000 | 72750.2 | 10470.6 | 0.0 | U/P |
| 5.758 | 9.3609 | 0.0000 | 77.202 | 1.72358 | 0.00000 | 73031.0 | 10522.2 | 0.0 | U/P |
| 5.767 | 9.3621 | 0.0000 | 77.210 | 1.72675 | 0.00000 | 73311.8 | 10574.0 | 0.0 | U/P |
| 5.775 | 9.3633 | 0.0000 | 77.218 | 1.72991 | 0.00000 | 73592.7 | 10625.8 | 0.0 | U/P |
| 5.783 | 9.3645 | 0.0000 | 77.225 | 1.73306 | 0.00000 | 73873.6 | 10677.8 | 0.0 | U/P |
| 5.792 | 9.3657 | 0.0000 | 77.233 | 1.73621 | 0.00000 | 74154.6 | 10729.8 | 0.0 | U/P |
| 5.800 | 9.3668 | 0.0000 | 77.241 | 1.73935 | 0.00000 | 74435.6 | 10782.0 | 0.0 | U/P |
| 5.808 | 9.3680 | 0.0000 | 77.248 | 1.74249 | 0.00000 | 74716.6 | 10834.2 | 0.0 | U/P |
| 5.817 | 9.3691 | 0.0000 | 77.256 | 1.74562 | 0.00000 | 74997.6 | 10886.5 | 0.0 | U/P |
| 5.825 | 9.3702 | 0.0000 | 77.263 | 1.74874 | 0.00000 | 75278.7 | 10938.9 | 0.0 | U/P |
| 5.833 | 9.3713 | 0.0000 | 77.271 | 1.75185 | 0.00000 | 75559.9 | 10991.4 | 0.0 | U/P |
| 5.842 | 9.3724 | 0.0000 | 77.278 | 1.75496 | 0.00000 | 75841.0 | 11044.0 | 0.0 | U/P |
| 5.850 | 9.3735 | 0.0000 | 77.286 | 1.75807 | 0.00000 | 76122.2 | 11096.7 | 0.0 | U/P |
| 5.858 | 9.3746 | 0.0000 | 77.293 | 1.76116 | 0.00000 | 76403.4 | 11149.5 | 0.0 | U/P |
| 5.867 | 9.3757 | 0.0000 | 77.301 | 1.76425 | 0.00000 | 76684.7 | 11202.4 | 0.0 | U/P |
| 5.875 | 9.3767 | 0.0000 | 77.308 | 1.76734 | 0.00000 | 76966.0 | 11255.4 | 0.0 | U/P |
| 5.883 | 9.3778 | 0.0000 | 77.316 | 1.77042 | 0.00000 | 77247.3 | 11308.4 | 0.0 | U/P |
| 5.892 | 9.3788 | 0.0000 | 77.323 | 1.77349 | 0.00000 | 77528.6 | 11361.6 | 0.0 | U/P |
| 5.900 | 9.3799 | 0.0000 | 77.331 | 1.77655 | 0.00000 | 77810.0 | 11414.8 | 0.0 | U/P |
| 5.908 | 9.3809 | 0.0000 | 77.338 | 1.77961 | 0.00000 | 78091.4 | \$1468.2 | 0.0 | U/P |
| 5.917 | 9.3819 | 0.0000 | 77.346 | 1.78267 | 0.00000 | 78372.9 | 11521.6 | 0.0 | U/P |
| 5.925 | 9.3829 | 0.0000 | 77.353 | 1.78572 | 0.00000 | 78654.3 | 11575.1 | 0.0 | U/P |
| 5.933 | 9.3839 | 0.0000 | 77.360 | 1.78876 | 0.00000 | 78935.8 | 11628.8 | 0.0 | U/P |
| 5.942 | 9.3849 | 0.0000 | 77.368 | 1.79179 | 0.00000 | 79217.4 | 11682.5 | 0.0 | U/P |
| 5.950 | 9.3859 | 0.0000 | 77.375 | 1.79482 | 0.00000 | 79498.9 | 11736.3 | 0.0 | U/P |
| 5.958 | 9.3869 | 0.0000 | 77.382 | 1.79785 | 0.00000 | 79780.5 | 11790.2 | 0.0 | U/P |
| 5.967 | 9.3879 | 0.0000 | 77.390 | 1.80086 | 0.00000 | 80062.2 | 11844.1 | 0.0 | U/P |
| 5.975 | 9.3889 | 0.0000 | 77.397 | 1.80388 | 0.00000 | 80343.8 | 11898.2 | 0.0 | U/P |
| 5.983 | 9.3898 | 0.0000 | 77.404 | 1.80688 | 0.00000 | 80625.5 | 11952.4 | 0.0 | U/P |
| 5.992 | 9.3908 | 0.0000 | 77.411 | 1.80988 | 0.00000 | 80907.2 | 12006.6 | 0.0 | U/P |
| 6.000 | 9.3917 | 0.0000 | 77.419 | 1.81288 | 0.00000 | 81188.9 | 12061.0 | 0.0 | U/P |
| 6.008 | 9.3984 | 0.0000 | 77.426 | 1.81587 | 0.00000 | 81470.8 | 12115.4 | 0.0 | U/P |
| 6.017 | 9.4107 | 0.0000 | 77.433 | 1.81885 | 0.00000 | 81752.9 | 12169.9 | 0.0 | U/P |
| 6.025 | 9.4365 | 0.0000 | 77.440 | 1.82184 | 0.00000 | 82035.6 | 12224.5 | 0.0 | U/P |
| 6.033 | 9.4756 | 0.0000 | 77.448 | 1.82483 | 0.00000 | 82319.3 | 12279.2 | 0.0 | U/P |
| 6.042 | 9.5319 | 0.0000 | 77.455 | 1.82783 | 0.00000 | 82604.4 | 12334.0 | 0.0 | U/P |
| 6.050 | 9.6053 | 0.0000 | 77.462 | 1.83084 | 0.00000 | 82891.5 | 12388.9 | 0.0 | U/P |
| 6.058 | 9.7017 | 0.0000 | 77.470 | 1.83388 | 0.00000 | 83181.1 | 12443.9 | 0.0 | U/P |
| 6.067 | 9.8210 | 0.0000 | 77.477 | 1.83695 | 0.00000 | 83473.9 | 12498.9 | 0.0 | U/P |
| 6.075 | 9.9709 | 0.0000 | 77.485 | 1.84006 | 0.00000 | 83770.8 | 12554.1 | 0.0 | U/P |
| 6.083 | 10.1513 | 0.0000 | 77.493 | 1.84322 | 0.00000 | 84072.6 | 12609.3 | 0.0 | U/P |
| 6.092 | 10.3680 | 0.0000 | 77.501 | 1.84645 | 0.00000 | 84380.4 | 12664.7 | 0.0 | U/P |
| 6.100 | $\ddagger 0.6211$ | 0.0000 | 77.509 | 1.84975 | 0.00000 | 84695.3 | 12720.1 | 0.0 | U/P |
| 6.108 | 10.9047 | 0.0000 | 77.517 | 1.85314 | 0.00000 | 85018.2 | 12775.7 | 0.0 | U/P |
| 6.117 | 11.2190 | 0.0000 | 77.526 | 1.85664 | 0.00000 | 85350.0 | 12831.3 | 0.0 | U/P |
| 6.125 | 11.5543 | 0.0000 | 77.535 | 1.86025 | 0.00000 | 85691.6 | 12887.1 | 0.0 | U/P |
| 6.133 | 11.9106 | 0.0000 | 77.544 | 1.86397 | 0.00000 | 86043.6 | 12942.9 | 0.0 | U/P |
| 6.142 | 12.2785 | 0.0000 | 77.553 | 1.86783 | 0.00000 | 86406.4 | 12998.9 | 0.0 | U/P |
| 6.150 | 12.6579 | 0.0000 | 77.563 | 1.87181 | 0.00000 | 86780.5 | 13055.0 | 0.0 | U/P |
| 6.158 | 13.0393 | 0.0000 | 77.573 | 1.87593 | 0.00000 | 87165.9 | 13111.2 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (fl datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{A}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative <br> Discharge <br> Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 6.167 | 13.4227 | 0.0000 | 77.584 | 1.88018 | 0.00000 | 87562.8 | 13167.6 | 0.0 | U/P |
| 6.175 | 13.8043 | 0.0000 | 77.594 | 1.88457 | 0.00000 | 87971.3 | 13224.0 | 0.0 | U/P |
| 6.183 | 14.1840 | 0.0000 | 77.606 | 1.88909 | 0.00000 | 88391.1 | 13280.6 | 0.0 | U/P |
| 6.192 | 14.5523 | 0.0000 | 77.617 | 1.89374 | 0.00000 | 88822.1 | 13337.4 | 0.0 | U/P |
| 6.200 | 14.9092 | 0.0000 | 77.629 | 1.89852 | 0.00000 | 89264.0 | 13394.3 | 0.0 | U/P |
| 6.208 | 15.2529 | 0.0000 | 77.641 | 1.90341 | 0.00000 | 89716.5 | 13451.3 | 0.0 | U/P |
| 6.217 | 15.5832 | 0.0000 | 77.653 | 1.90842 | 0.00000 | 90179.0 | 13508.5 | 0.0 | U/P |
| 6.225 | 15.8983 | 0.0000 | 77.666 | 1.91354 | 0.00000 | 90651.2 | 13565.8 | 0.0 | U/P |
| 6.233 | 16.1982 | 0.0000 | 77.678 | 1.91876 | 0.00000 | 91132.7 | 13623.3 | 0.0 | U/P |
| 6.242 | 16.4791 | 0.0000 | 77.691 | 1.92408 | 0.00000 | 91622.8 | 13680.9 | 0.0 | U/P |
| 6.250 | 16.7409 | 0.0000 | 77.705 | 1.92948 | 0.00000 | 92121.1 | 13738.7 | 0.0 | U/P |
| 6.258 | 16.9799 | 0.0000 | 77.718 | 1.93496 | 0.00000 | 92627.0 | 13796.7 | 0.0 | U/P |
| 6.267 | 17.1959 | 0.0000 | 77.732 | 1.94052 | 0.00000 | 93139.6 | 13854.8 | 0.0 | U/P |
| 6.275 | 17.3929 | 0.0000 | 77.745 | 1.94613 | 0.00000 | 93658.4 | 13913.1 | 0.0 | U/P |
| 6.283 | 17.5708 | 0.0000 | 77.759 | 1.95180 | 0.00000 | 94182.9 | 13971.6 | 0.0 | U/P |
| 6.292 | 17.7354 | 0.0000 | 77.773 | 1.95752 | 0.00000 | 94712.5 | 14030.2 | 0.0 | U/P |
| 6.300 | 17.8866 | 0.0000 | 77.787 | 1.96328 | 0.00000 | 95246.8 | 14089.0 | 0.0 | U/P |
| 6.308 | 18.0264 | 0.0000 | 77.801 | 1.96907 | 0.00000 | 95785.5 | 14148.0 | 0.0 | U/P |
| 6.317 | 18.1547 | 0.0000 | 77.815 | 1.97490 | 0.00000 | 96328.2 | 14207.2 | 0.0 | U/P |
| 6.325 | 18.2735 | 0.0000 | 77.830 | 1.98075 | 0.00000 | 96874.6 | 14266.5 | 0.0 | U/P |
| 6.333 | 18.3827 | 0.0000 | 77.844 | 1.98663 | 0.00000 | 97424.5 | 14326.0 | 0.0 | U/P |
| 6.342 | 18.4850 | 0.0000 | 77.858 | 1.99252 | 0.00000 | 97977.5 | 14385.7 | 0.0 | U/P |
| 6.350 | 18.5803 | 0.0000 | 77.873 | 1.99843 | 0.00000 | 98533.5 | 14445.6 | 0.0 | U/P |
| 6.358 | 18.6686 | 0.0000 | 77.887 | 2.00436 | 0.00000 | 99092.2 | 14505.6 | 0.0 | U/P |
| 6.367 | 18.7499 | 0.0000 | 77.901 | 2.01030 | 0.00000 | 99653.5 | 14565.8 | 0.0 | U/P |
| 6.375 | 18.8255 | 0.0000 | 77.916 | 2.01625 | 0.00000 | 100217.1 | 14626.2 | 0.0 | U/P |
| 6.383 | 18.8953 | 0.0000 | 77.930 | 2.02221 | 0.00000 | 100782.9 | 14686.8 | 0.0 | U/P |
| 6.392 | 18.9594 | 0.0000 | 77.945 | 2.02817 | 0.00000 | 101350.8 | 14747.6 | 0.0 | U/P |
| 6.400 | 19.0178 | 0.0000 | 77.959 | 2.03413 | 0.00000 | 101920.4 | 14808.5 | 0.0 | U/P |
| 6.408 | 19.0723 | 0.0000 | 77.974 | 2.04010 | 0.00000 | 102491.8 | 14869.6 | 0.0 | U/P |
| 6.417 | 19.1230 | 0.0000 | 77.988 | 2.04606 | 0.00000 | 103064.7 | 14930.9 | 0.0 | U/P |
| 6.425 | 19.1699 | 0.0000 | 78.003 | 2.05203 | 0.00000 | 103639.1 | 14992.4 | 0.0 | U/P |
| 6.433 | 19.2129 | 0.0000 | 78.017 | 2.05802 | 0.00000 | 104214.8 | 15054.0 | 0.0 | U/P |
| 6.442 | 19.2531 | 0.0000 | 78.031 | 2.06402 | 0.00000 | 104791.8 | 15115.9 | 0.0 | U/P |
| 6.450 | 19.2903 | 0.0000 | 78.046 | 2.07001 | 0.00000 | 105370.0 | 15177.9 | 0.0 | U/P |
| 6.458 | 19.3247 | 0.0000 | 78.060 | 2.07600 | 0.00000 | 105949.2 | 15240.1 | 0.0 | U/P |
| 6.467 | 19.3562 | 0.0000 | 78.075 | 2.08198 | 0.00000 | 106529.4 | 15302.4 | 0.0 | U/P |
| 6.475 | 19.3856 | 0.0000 | 78.089 | 2.08795 | 0.00000 | 107110.5 | 15365.0 | 0.0 | U/P |
| 6.483 | 19.4128 | 0.0000 | 78.103 | 2.09391 | 0.00000 | 107692.5 | 15427.7 | 0.0 | U/P |
| 6.492 | 19.4380 | 0.0000 | 78.118 | 2.09987 | 0.00000 | 108275.3 | 15490.6 | 0.0 | U/P |
| 6.500 | 19.4610 | 0.0000 | 78.132 | 2.10581 | 0.00000 | 108858.8 | 15553.7 | 0.0 | U/P |
| 6.508 | 19.4832 | 0.0000 | 78.146 | 2.11174 | 0.00000 | 109442.9 | 15617.0 | 0.0 | U/P |
| 6.517 | 19.5054 | 0.0000 | 78.161 | 2.11767 | 0.00000 | 110027.8 | 15680.4 | 0.0 | U/P |
| 6.525 | 19.5283 | 0.0000 | 78.175 | 2.12358 | 0.00000 | 110613.3 | 15744.0 | 0.0 | U/P |
| 6.533 | 19.5529 | 0.0000 | 78.189 | 2.12948 | 0.00000 | \$11199.5 | 15807.8 | 0.0 | U/P |
| 6.542 | 19.5800 | 0.0000 | 78.203 | 2.13537 | 0.00000 | 111786.5 | 15871.8 | 0.0 | U/P |
| 6.550 | 19.6100 | 0.0000 | 78.217 | 2.14125 | 0.00000 | 112374.3 | 15935.9 | 0.0 | U/P |
| 6.558 | 19.6436 | 0.0000 | 78.231 | 2.14712 | 0.00000 | 112963.1 | 16000.3 | 0.0 | U/P |
| 6.567 | 19.6814 | 0.0000 | 78.246 | 2.15299 | 0.00000 | 113553.0 | 16064.8 | 0.0 | U/P |
| 6.575 | 19.7248 | 0.0000 | 78.260 | 2.15885 | 0.00000 | 114144.1 | 16129.4 | 0.0 | U/P |
| 6.583 | 19.7744 | 0.0000 | 78.274 | 2.16471 | 0.00000 | 114736.6 | 16194.3 | 0.0 | U/P |
| 6.592 | 19.8311 | 0.0000 | 78.288 | 2.17056 | 0.00000 | 115330.6 | 16259.3 | 0.0 | U/P |
| 6.600 | 19.8954 | 0.0000 | 78.302 | 2.17642 | 0.00000 | 115926.5 | 16324.5 | 0.0 | U/P |
| 6.608 | 19.9668 | 0.0000 | 78.316 | 2.18228 | 0.00000 | 116524.5 | 16389.9 | 0.0 | U/P |
| 6.617 | 20.0448 | 0.0000 | 78.330 | 2.18815 | 0.00000 | 117124.7 | 16455.5 | 0.0 | U/P |
| 6.625 | 20.1281 | 0.0000 | 78.344 | 2.19403 | 0.00000 | 117727.3 | 16521.2 | 0.0 | U/P |
| 6.633 | 20.2158 | 0.0000 | 78.359 | 2.19991 | 0.00000 | 118332.4 | 16587.1 | 0.0 | U/P |
| 6.642 | 20.3067 | 0.0000 | 78.373 | 2.20581 | 0.00000 | 118940.2 | 16653.2 | 0.0 | U/P |
| 6.650 | 20.3999 | 0.0000 | 78.387 | 2.21171 | 0.00000 | 119550.8 | 16719.5 | 0.0 | U/P |
| 6.658 | 20.4943 | 0.0000 | 78.401 | 2.21763 | 0.00000 | 120164.3 | 16785.9 | 0.0 | U/P |
| 6.667 | 20.5887 | 0.0000 | 78.416 | 2.22357 | 0.00000 | 120780.5 | 16852.5 | 0.0 | U/P |
| 6.675 | 20.6829 | 0.0000 | 78.430 | 2.22951 | 0.00000 | 121399.6 | 16919.3 | 0.0 | U/P |
| 6.683 | 20.7763 | 0.0000 | 78.444 | 2.23547 | 0.00000 | 122021.5 | 16986.3 | 0.0 | U/P |
| 6.692 | 20.8680 | 0.0000 | 78.459 | 2.24144 | 0.00000 | 122646.1 | 17053.4 | 0.0 | U/P |
| 6.700 | 20.9567 | 0.0000 | 78.473 | 2.24743 | 0.00000 | 123273.5 | 17120.8 | 0.0 | U/P |
| 6.708 | 21.0423 | 0.0000 | 78.488 | 2.25342 | 0.00000 | 123903.5 | 17188.3 | 0.0 | U/P |
| 6.717 | 21.1246 | 0.0000 | 78.502 | 2.25942 | 0.00000 | 124536.0 | 17256.0 | 0.0 | U/P |
| 6.725 | 21.2033 | 0.0000 | 78.517 | 2.26543 | 0.00000 | 125170.9 | 17323.8 | 0.0 | U/P |
| 6.733 | 21.2782 | 0.0000 | 78.531 | 2.27145 | 0.00000 | 125808.1 | 17391.9 | 0.0 | U/P |
| 6.742 | 21.3489 | 0.0000 | 78.546 | 2.27747 | 0.00000 | 126447.5 | 17460.1 | 0.0 | U/P |
| 6.750 | 21.4149 | 0.0000 | 78.560 | 2.28350 | 0.00000 | 127089.0 | 17528.5 | 0.0 | U/P |
| 6.758 | 21.4758 | 0.0000 | 78.575 | 2.28953 | 0.00000 | 127732.4 | 17597.1 | 0.0 | U/P |
| 6.767 | 21.5311 | 0.0000 | 78.589 | 2.29556 | 0.00000 | 128377.5 | 17665.9 | 0.0 | U/P |
| 6.775 | 21.5815 | 0.0000 | 78.604 | 2.30160 | 0.00000 | 129024.1 | 17734.9 | 0.0 | U/P |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume (fty) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 6.783 | 21.6271 | 0.0000 | 78.618 | 2.30763 | 0.00000 | 129672.3 | 17804.0 | 0.0 | U/P |
| 6.792 | 21.6689 | 0.0000 | 78.633 | 2.31365 | 0.00000 | 130321.7 | 17873.3 | 0.0 | U/P |
| 6.800 | 21.7073 | 0.0000 | 78.647 | 2.31968 | 0.00000 | 130972.4 | 17942.8 | 0.0 | U/P |
| 6.808 | 21.7426 | 0.0000 | 78.662 | 2.32569 | 0.00000 | 131624.1 | 18012.5 | 0.0 | U/P |
| 6.817 | 21.7751 | 0.0000 | 78.676 | 2.33170 | 0.00000 | 132276.9 | 18082.4 | 0.0 | U/P |
| 6.825 | 21.8049 | 0.0000 | 78.691 | 2.33771 | 0.00000 | 132930.6 | 18152.4 | 0.0 | U/P |
| 6.833 | 21.8323 | 0.0000 | 78.705 | 2,34370 | 0.00000 | 133585.1 | 18222.6 | 0.0 | U/P |
| 6.842 | 21.8578 | 0.0000 | 78.719 | 2.34969 | 0.00000 | 134240.5 | 18293.0 | 0.0 | U/P |
| 6.850 | 21.8817 | 0.0000 | 78.734 | 2.35567 | 0.00000 | 134896.6 | 18363.6 | 0.0 | U/P |
| 6.858 | 21.9039 | 0.0000 | 78.748 | 2.36163 | 0.00000 | 135553.4 | 18434.4 | 0.0 | U/P |
| 6.867 | 21.9245 | 0.0000 | 78.763 | 2.36759 | 0.00000 | 136210.8 | 18505.3 | 0.0 | U/P |
| 6.875 | 21.9436 | 0.0000 | 78.777 | 2.37354 | 0.00000 | 136868.8 | 18576.4 | 0.0 | U/P |
| 6.883 | 21.9614 | 0.0000 | 78.791 | 2.37947 | 0.00000 | 137527.4 | 18647.7 | 0.0 | U/P |
| 6.892 | 21.9778 | 0.0000 | 78.805 | 2.38540 | 0.00000 | 138186.5 | 18719.2 | 0.0 | U/P |
| 6.900 | 21.9929 | 0.0000 | 78.820 | 2.39131 | 0.00000 | 138846.0 | 18790.9 | 0.0 | U/P |
| 6.908 | 22.0069 | 0.0000 | 78.834 | 2.39721 | 0.00000 | 139506.0 | 18862.7 | 0.0 | U/P |
| 6.917 | 22.0199 | 0.0000 | 78.848 | 2.40310 | 0.00000 | 140166.4 | 18934.7 | 0.0 | U/P |
| 6.925 | 22.0321 | 0.0000 | 78.862 | 2.40898 | 0.00000 | 140827.2 | 19006.9 | 0.0 | U/P |
| 6.933 | 22.0434 | 0.0000 | 78.876 | 2.41485 | 0.00000 | 141488.3 | 19079.2 | 0.0 | U/P |
| 6.942 | 22.0538 | 0.0000 | 78.890 | 2.42070 | 0.00000 | 142149.8 | 19151.8 | 0.0 | U/P |
| 6.950 | 22.0636 | 0.0000 | 78.904 | 2.42654 | 0.00000 | 142811.6 | 19224.5 | 0.0 | U/P |
| 6.958 | 22.0727 | 0.0000 | 78.918 | 2.43236 | 0.00000 | 143473.6 | 19297.4 | 0.0 | U/P |
| 6.967 | 22.0812 | 0.0000 | 78.932 | 2.43818 | 0.00000 | 144135.9 | 19370.4 | 0.0 | U/P |
| 6.975 | 22.0890 | 0.0000 | 78.946 | 2.44398 | 0.00000 | 144798.5 | 19443.6 | 0.0 | U/P |
| 6.983 | 22.0964 | 0.0000 | 78.960 | 2.44977 | 0.00000 | 145461.3 | 19517.0 | 0.0 | U/P |
| 6.992 | 22.1032 | 0.0000 | 78.974 | 2.45554 | 0.00000 | 146124.3 | 19590.6 | 0.0 | U/P |
| 7.000 | 22.1096 | 0.0000 | 78.988 | 2.46130 | 0.00000 | 146787.4 | 19664.4 | 0.0 | U/P |
| 7.008 | 22.1156 | 0.0000 | 79.002 | 2.46705 | 0.00000 | 147450.8 | 19738.3 | 0.0 | U/P |
| 7.017 | 22.1249 | 0.0000 | 79.016 | 2.47281 | 0.00000 | 148114.4 | 19812.4 | 0.0 | U/P |
| 7.025 | 22.1376 | 0.0000 | 79.029 | 2.47858 | 0.00000 | 148778.4 | 19886.7 | 0.0 | U/P |
| 7.033 | 22.1583 | 0.0000 | 79.043 | 2.48433 | 0.00000 | 149442.8 | 19961.1 | 0.0 | U/P |
| 7.042 | 22.1870 | 0.0000 | 79.057 | 2.49008 | 0.00000 | 150108.0 | 20035.7 | 0.0 | U/P |
| 7.050 | 22.2262 | 0.0000 | 79.071 | 2.49582 | 0.00000 | 150774.2 | 20110.5 | 0.0 | U/P |
| 7.058 | 22.2759 | 0.0000 | 79.084 | 2.50156 | 0.00000 | 151441.7 | 20185.5 | 0.0 | U/P |
| 7.067 | 22.3397 | 0.0000 | 79.098 | 2.50729 | 0.00000 | 152110.9 | 20260.6 | 0.0 | U/P |
| 7.075 | 22.4176 | 0.0000 | 79.112 | 2.51303 | 0.00000 | 152782.3 | 20335.9 | 0.0 | U/P |
| 7.083 | 22.5144 | 0.0000 | 79.125 | 2.51878 | 0.00000 | 153456.3 | 20411.4 | 0.0 | U/P |
| 7.092 | 22.6301 | 0.0000 | 79.139 | 2.52454 | 0.00000 | 154133.5 | 20487.0 | 0.0 | U/P |
| 7.100 | 22.7682 | 0.0000 | 79.153 | 2.53032 | 0.00000 | 154814.4 | 20562.9 | 0.0 | U/P |
| 7.108 | 22.9286 | 0.0000 | 79.167 | 2.53613 | 0.00000 | 155499.9 | 20638.9 | 0.0 | U/P |
| 7.117 | 23.1078 | 0.0000 | 79.181 | 2.54196 | 0.00000 | 156190.4 | 20715.0 | 0.0 | U/P |
| 7.125 | 23.3056 | 0.0000 | 79.195 | 2.54783 | 0.00000 | 156886.6 | 20791.4 | 0.0 | U/P |
| 7.133 | 23.5164 | 0.0000 | 79.209 | 2.55375 | 0.00000 | 157589.0 | 20867.9 | 0.0 | U/P |
| 7.142 | 23.7398 | 0.0000 | 79.224 | 2.55970 | 0.00000 | 158297.8 | 20944.6 | 0.0 | U/P |
| 7.150 | 23.9703 | 0.0000 | 79.238 | 2.56571 | 0.00000 | 159013.5 | 21021.5 | 0.0 | U/P |
| 7.158 | 24.2077 | 0.0000 | 79.252 | 2.57176 | 0.00000 | 159736.1 | 21098.6 | 0.0 | U/P |
| 7.167 | 24.4461 | 0.0000 | 79.267 | 2.57786 | 0.00000 | 160465.9 | 21175.8 | 0.0 | U/P |
| 7.175 | 24.6855 | 0.0000 | 79.282 | 2.58402 | 0.00000 | 161202.9 | 21253.2 | 0.0 | U/P |
| 7.183 | 24.9238 | 0.0000 | 79.297 | 2.59022 | 0.00000 | 161947.0 | 21330.8 | 0.0 | U/P |
| 7.192 | 25.1605 | 0.0000 | 79.312 | 2.59648 | 0.00000 | 162698.3 | 21408.6 | 0.0 | U/P |
| 7.200 | 25.3901 | 0.0000 | 79.327 | 2.60278 | 0.00000 | 163456.6 | 21486.6 | 0.0 | U/P |
| 7.208 | 25.6125 | 0.0000 | 79.342 | 2.60914 | 0.00000 | 164221.6 | 21564.8 | 0.0 | U/P |
| 7.217 | 25.8265 | 0.0000 | 79.358 | 2.61553 | 0.00000 | 164993.2 | 21643.2 | 0.0 | U/P |
| 7.225 | 26.0321 | 0.0000 | 79.373 | 2.62197 | 0.00000 | 165771.1 | 21721.7 | 0.0 | U/P |
| 7.233 | 26.2282 | 0.0000 | 79.388 | 2.62845 | 0.00000 | 166555.0 | 21800.5 | 0.0 | U/P |
| 7.242 | 26.4146 | 0.0000 | 79.404 | 2.63496 | 0.00000 | 167344.6 | 21879.4 | 0.0 | U/P |
| 7.250 | 26.5891 | 0.0000 | 79.420 | 2.64151 | 0.00000 | 168139.7 | 21958.6 | 0.0 | U/P |
| 7.258 | 26.7516 | 0.0000 | 79.436 | 2.64808 | 0.00000 | 168939.8 | 22037.9 | 0.0 | U/P |
| 7.267 | 26.8998 | 0.0000 | 79.451 | 2.65468 | 0.00000 | 169744.5 | 22117.5 | 0.0 | U/P |
| 7.275 | 27.0338 | 0.0000 | 79.467 | 2.66131 | 0.00000 | 170553.5 | 22197.2 | 0.0 | U/P |
| 7.283 | 27.1559 | 0.0000 | 79.483 | 2.66795 | 0.00000 | 171366.4 | 22277.2 | 0.0 | U/P |
| 7.292 | 27.2662 | 0.0000 | 79.499 | 2.67461 | 0.00000 | 172182.7 | 22357.3 | 0.0 | U/P |
| 7.300 | 27.3682 | 0.0000 | 79.515 | 2.68128 | 0.00000 | 173002.2 | 22437.6 | 0.0 | U/P |
| 7.308 | 27.4618 | 0.0000 | 79.531 | 2.68796 | 0.00000 | 173824.7 | 22518.2 | 0.0 | U/P |
| 7.317 | 27.5483 | 0.0000 | 79.547 | 2.69465 | 0.00000 | 174649.8 | 22598.9 | 0.0 | U/P |
| 7.325 | 27.6277 | 0.0000 | 79.563 | 2.70134 | 0.00000 | 175477.5 | 22679.8 | 0.0 | U/P |
| 7.333 | 27.7010 | 0.0000 | 79,579 | 2.70803 | 0.00000 | 176307.4 | 22761.0 | 0.0 | U/P |
| 7.342 | 27.7685 | 0.0000 | 79.595 | 2.71473 | 0.00000 | 177139.5 | 22842.3 | 0.0 | U/P |
| 7.350 | 27.8316 | 0.0000 | 79,611 | 2.72142 | 0.00000 | 177973.5 | 22923.9 | 0.0 | U/P |
| 7.358 | 27.8904 | 0.0000 | 79.627 | 2.72811 | 0.00000 | 178809.3 | 23005.6 | 0.0 | U/P |
| 7.367 | 27.9449 | 0.0000 | 79.643 | 2.73481 | 0.00000 | 179646.8 | 23087.6 | 0.0 | U/P |
| 7.375 | 27.9950 | 0.0000 | 79.659 | 2.74149 | 0.00000 | 180485.9 | 23169.7 | 0.0 | U/P |
| 7.383 | 28.0416 | 0.0000 | 79.675 | 2.74818 | 0.00000 | 181326.5 | 23252.0 | 0.0 | U/P |
| 7.392 | 28.0846 | 0.0000 | 79.691 | 2.75485 | 0.00000 | 182168.3 | 23334.6 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (t/day) | Stage Elevation (ft datum) | infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 /} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 7.400 | 28.1240 | 0.0000 | 79.707 | 2.76152 | 0.00000 | 183011.5 | 23417.3 | 0.0 | U/P |
| 7.408 | 28.1599 | 0.0000 | 79.723 | 2.76819 | 0.00000 | 183855.7 | 23500.3 | 0.0 | U/P |
| 7.417 | 28.1934 | 0.0000 | 79.739 | 2.77484 | 0.00000 | 184701.0 | 23583.4 | 0.0 | U/P |
| 7.425 | 28.2246 | 0.0000 | 79.754 | 2.78149 | 0.00000 | 185547.3 | 23666.8 | 0.0 | U/P |
| 7.433 | 28.2533 | 0.0000 | 79.770 | 2.78812 | 0.00000 | 186394.5 | 23750.3 | 0.0 | U/P |
| 7.442 | 28.2797 | 0.0000 | 79.786 | 2.79475 | 0.00000 | 187242.5 | 23834.1 | 0.0 | U/P |
| 7.450 | 28.3043 | 0.0000 | 79.802 | 2.80137 | 0.00000 | 188091.2 | 23918.0 | 0.0 | U/P |
| 7.458 | 28.3271 | 0.0000 | 79.818 | 2.80797 | 0.00000 | 188940.7 | 24002.1 | 0.0 | U/P |
| 7.467 | 28.3482 | 0.0000 | 79.833 | 2.81457 | 0.00000 | 189790.8 | 24086.5 | 0.0 | U/P |
| 7.475 | 28.3674 | 0.0000 | 79.849 | 2.82115 | 0.00000 | 190641.6 | 24171.0 | 0.0 | U/P |
| 7.483 | 28.3854 | 0.0000 | 79.865 | 2.82772 | 0.00000 | 191492.9 | 24255.8 | 0.0 | U/P |
| 7.492 | 28.4020 | 0.0000 | 79.880 | 2.83428 | 0.00000 | 192344.7 | 24340.7 | 0.0 | U/P |
| 7.500 | 28.4173 | 0.0000 | 79.896 | 2.84082 | 0.00000 | 193197.0 | 24425.8 | 0.0 | U/P |
| 7.508 | 28.4313 | 0.0000 | 79.912 | 2.84735 | 0.00000 | 194049.7 | 24511.1 | 0.0 | U/P |
| 7.517 | 28.4468 | 0.0000 | 79.927 | 2.85387 | 0.00000 | 194902.9 | 24596.6 | 0.0 | U/P |
| 7.525 | 28.4657 | 0.0000 | 79.943 | 2.86038 | 0.00000 | 195756.5 | 24682.4 | 0.0 | U/P |
| 7.533 | 28.4913 | 0.0000 | 79.958 | 2.86687 | 0.00000 | 196610.9 | 24768.3 | 0.0 | U/P |
| 7.542 | 28.5261 | 0.0000 | 79.974 | 2.87336 | 0.00000 | 197466.2 | 24854.4 | 0.0 | U/P |
| 7.550 | 28.5718 | 0.0000 | 79.989 | 2.87984 | 0.00000 | 198322.6 | 24940.7 | 0.0 | U/P |
| 7.558 | 28.6299 | 0.0000 | 80.005 | 2.88632 | 0.00000 | 199180.7 | 25027.2 | 0.0 | U/P |
| 7.567 | 28.7026 | 0.0000 | 80.020 | 2.89282 | 0.00000 | 200040.6 | 25113.9 | 0.0 | U/P |
| 7.575 | 28.7920 | 0.0000 | 80.036 | 2.89935 | 0.00000 | 200903.1 | 25200.7 | 0.0 | U/P |
| 7.583 | 28.9014 | 0.0000 | 80.051 | 2.90587 | 0.00000 | 201768.5 | 25287.8 | 0.0 | U/P |
| 7.592 | 29.0333 | 0.0000 | 80.067 | 2.91241 | 0.00000 | 202637.5 | 25375.1 | 0.0 | U/P |
| 7.600 | 29.1902 | 0.0000 | 80.082 | 2.91897 | 0.00000 | 203510.8 | 25462.6 | 0.0 | U/P |
| 7.608 | 29.3739 | 0.0000 | 80.098 | 2.92555 | 0.00000 | 204389.3 | 25550.2 | 0.0 | U/P |
| 7.617 | 29.5822 | 0.0000 | 80.114 | 2.93216 | 0.00000 | 205273.6 | 25638.1 | 0.0 | U/P |
| 7.625 | 29.8131 | 0.0000 | 80.129 | 2.93880 | 0.00000 | 206164.6 | 25726.2 | 0.0 | U/P |
| 7.633 | 30.0627 | 0.0000 | 80.145 | 2.94549 | 0.00000 | 207062.7 | 25814.4 | 0.0 | U/P |
| 7.642 | 30.3277 | 0.0000 | 80.161 | 2.95222 | 0.00000 | 207968.6 | 25902.9 | 0.0 | U/P |
| 7.650 | 30.6044 | 0.0000 | 80.178 | 2.95900 | 0.00000 | 208882.5 | 25991.6 | 0.0 | U/P |
| 7.658 | 30.8894 | 0.0000 | 80.194 | 2.96583 | 0.00000 | 209805.0 | 26080.4 | 0.0 | U/P |
| 7.667 | 31.1788 | 0.0000 | 80.210 | 2.97271 | 0.00000 | 210736.0 | 26169.5 | 0.0 | U/P |
| 7.675 | 31.4694 | 0.0000 | 80.227 | 2.97964 | 0.00000 | 211675.7 | 26258.8 | 0.0 | U/P |
| 7.683 | 31.7596 | 0.0000 | 80.243 | 2.98663 | 0.00000 | 212624.1 | 26348.3 | 0.0 | U/P |
| 7.692 | 32.0483 | 0.0000 | 80.260 | 2.99367 | 0.00000 | 213581.3 | 26438.0 | 0.0 | U/P |
| 7.700 | 32.3315 | 0.0000 | 80.277 | 3.00076 | 0.00000 | 214546.9 | 26527.9 | 0.0 | U/P |
| 7.708 | 32.6058 | 0.0000 | 80.294 | 3.00791 | 0.00000 | 215521.0 | 26618.0 | 0.0 | U/P |
| 7.717 | 32.8706 | 0.0000 | 80.311 | 3.01510 | 0.00000 | 216503.1 | 26708.4 | 0.0 | U/P |
| 7.725 | 33.1251 | 0.0000 | 80.328 | 3.02233 | 0.00000 | 217493.1 | 26798.9 | 0.0 | U/P |
| 7.733 | 33.3687 | 0.0000 | 80.346 | 3.02961 | 0.00000 | 218490.5 | 26889.7 | 0.0 | U/P |
| 7.742 | 33.6006 | 0.0000 | 80.363 | 3.03693 | 0.00000 | 219495.0 | 26980.7 | 0.0 | U/P |
| 7.750 | 33.8192 | 0.0000 | 80.381 | 3.04428 | 0.00000 | 220506.3 | 27071.9 | 0.0 | U/P |
| 7.758 | 34.0233 | 0.0000 | 80.398 | 3.05167 | 0.00000 | 221524.0 | 27163.4 | 0.0 | U/P |
| 7.767 | 34.2113 | 0.0000 | 80.416 | 3.05909 | 0.00000 | 222547.5 | 27255.0 | 0.0 | U/P |
| 7.775 | 34.3819 | 0.0000 | 80.433 | 3.06653 | 0.00000 | 223576.4 | 27346.9 | 0.0 | U/P |
| 7.783 | 34.5368 | 0.0000 | 80.451 | 3.07399 | 0.00000 | 224610.2 | 27439.0 | 0.0 | U/P |
| 7.792 | 34.6771 | 0.0000 | 80.469 | 3.08147 | 0.00000 | 225648.4 | 27531.4 | 0.0 | U/P |
| 7.800 | 34.8054 | 0.0000 | 80.487 | 3.08896 | 0.00000 | 226690.6 | 27623.9 | 0.0 | U/P |
| 7.808 | 34.9234 | 0.0000 | 80.505 | 3.09647 | 0.00000 | 227736.5 | 27716.7 | 0.0 | U/P |
| 7.817 | 35.0321 | 0.0000 | 80.522 | 3.10398 | 0.00000 | 228785.9 | 27809.7 | 0.0 | U/P |
| 7.825 | 35.1320 | 0.0000 | 80.540 | 3.11150 | 0.00000 | 229838.3 | 27902.9 | 0.0 | U/P |
| 7.833 | 35.2240 | 0.0000 | 80.558 | 3.11902 | 0.00000 | 230893.7 | 27996.4 | 0.0 | U/P |
| 7.842 | 35.3086 | 0.0000 | 80.576 | 3.12654 | 0.00000 | 231951.7 | 28090.1 | 0.0 | U/P |
| 7.850 | 35.3871 | 0.0000 | 80.594 | 3.13406 | 0.00000 | 233012.1 | 28184.0 | 0.0 | U/P |
| 7.858 | 35.4604 | 0.0000 | 80.612 | 3.14158 | 0.00000 | 234074.8 | 28278.1 | 0.0 | U/P |
| 7.867 | 35.5284 | 0.0000 | 80.629 | 3.14910 | 0.00000 | 235139.6 | 28372.5 | 0.0 | U/P |
| 7.875 | 35.5912 | 0.0000 | 80.647 | 3.15661 | 0.00000 | 236206.4 | 28467.1 | 0.0 | U/P |
| 7.883 | 35.6492 | 0.0000 | 80.665 | 3.16412 | 0.00000 | 237275.0 | 28561.9 | 0.0 | U/P |
| 7.892 | 35.7030 | 0.0000 | 80.683 | 3. 17163 | 0.00000 | 238345.3 | 28656.9 | 0.0 | U/P |
| 7.900 | 35.7523 | 0.0000 | 80.701 | 3.17912 | 0.00000 | 239417.1 | 28752.2 | 0.0 | U/P |
| 7.908 | 35.7974 | 0.0000 | 80.718 | 3.18661 | 0.00000 | 240490.4 | 28847.7 | 0.0 | U/P |
| 7.917 | 35.8389 | 0.0000 | 80.736 | 3.19409 | 0.00000 | 241564.9 | 28943.4 | 0.0 | U/P |
| 7.925 | 35.8776 | 0.0000 | 80.754 | 3.20156 | 0.00000 | 242640.7 | 29039.3 | 0.0 | U/P |
| 7.933 | 35.9134 | 0.0000 | 80.772 | 3.20902 | 0.00000 | 243717.5 | 29135.5 | 0.0 | U/P |
| 7.942 | 35.9463 | 0.0000 | 80.789 | 3.21647 | 0.00000 | 244795.5 | 29231.8 | 0.0 | U/P |
| 7.950 | 35.9767 | 0.0000 | 80.807 | 3.22390 | 0.00000 | 245874.3 | 29328.5 | 0.0 | U/P |
| 7.958 | 36.0049 | 0.0000 | 80.824 | 3.23133 | 0.00000 | 246954.0 | 29425.3 | 0.0 | U/P |
| 7.967 | 36.0310 | 0.0000 | 80.842 | 3.23874 | 0.00000 | 248034.5 | 29522.3 | 0.0 | U/P |
| 7.975 | 36.0549 | 0.0000 | 80.860 | 3.24614 | 0.00000 | 249115.8 | 29619.6 | 0.0 | U/P |
| 7.983 | 36.0770 | 0.0000 | 80.877 | 3.25353 | 0.00000 | 250197.8 | 29717.1 | 0.0 | U/P |
| 7.992 | 36.0975 | 0.0000 | 80.895 | 3.26090 | 0.00000 | 251280.4 | 29814.8 | 0.0 | U/P |
| 8.000 | 36.1203 | 0.0000 | 80.912 | 3.26826 | 0.00000 | 252363.7 | 29912.8 | 0.0 | U/P |
| 8.008 | 36.1458 | 0.0000 | 80.929 | 3.27561 | 0.00000 | 253447.7 | 30010.9 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 5100 yr / 24 hr

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge (ft ${ }^{3}$ /s) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infilitration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 8.017 | 36.1795 | 0.0000 | 80.947 | 3.28294 | 0.00000 | 254532.6 | 30109.3 | 0.0 | U/P |
| 8.025 | 36.2217 | 0.0000 | 80.964 | 3.29027 | 0.00000 | 255618.6 | 30207.9 | 0.0 | U/P |
| 8.033 | 36.2753 | 0.0000 | 80.982 | 3.29759 | 0.00000 | 256706.0 | 30306.7 | 0.0 | U/P |
| 8.042 | 36.3403 | 0.0000 | 80.999 | 3.30490 | 0.00000 | 257795.3 | 30405.7 | 0.0 | U/P |
| 8.050 | 36.4209 | 0.0000 | 81.016 | 3.31223 | 0.00000 | 258886.7 | 30505.0 | 0.0 | U/P |
| 8.058 | 36.5173 | 0.0000 | 81.034 | 3.31959 | 0.00000 | 259980.8 | 30604.5 | 0.0 | U/P |
| 8.067 | 36.6349 | 0.0000 | 81.051 | 3.32695 | 0.00000 | 261078.0 | 30704.2 | 0.0 | U/P |
| 8.075 | 36.7740 | 0.0000 | 81.068 | 3.33433 | 0.00000 | 262179.2 | 30804.1 | 0.0 | U/P |
| 8.083 | 36.9385 | 0.0000 | 81.086 | 3.34172 | 0.00000 | 263284.9 | 30904.2 | 0.0 | U/P |
| 8.092 | 37.1289 | 0.0000 | 81.103 | 3.34912 | 0.00000 | 264395.9 | 31004.6 | 0.0 | U/P |
| 8.100 | 37.3411 | 0.0000 | 81.121 | 3.35655 | 0.00000 | 265512.9 | 31105.2 | 0.0 | U/P |
| 8.108 | 37.5749 | 0.0000 | 81.138 | 3.36401 | 0.00000 | 266636.7 | 31206.0 | 0.0 | U/P |
| 8.117 | 37.8238 | 0.0000 | 81.156 | 3.37150 | 0.00000 | 267767.7 | 31307.0 | 0.0 | U/P |
| 8.125 | 38.0875 | 0.0000 | 81.174 | 3.37902 | 0.00000 | 268906.3 | 31408.3 | 0.0 | U/P |
| 8.133 | 38.3594 | 0.0000 | 81.192 | 3.38659 | 0.00000 | 270053.0 | 31509.8 | 0.0 | U/P |
| 8.142 | 38.6392 | 0.0000 | 81.210 | 3.39419 | 0.00000 | 271208.0 | 31611.5 | 0.0 | U/P |
| 8.150 | 38.9204 | 0.0000 | 81.228 | 3.40184 | 0.00000 | 272371.4 | 31713.4 | 0.0 | U/P |
| 8.158 | 39.2026 | 0.0000 | 81.246 | 3.40953 | 0.00000 | 273543.3 | 31815.6 | 0.0 | U/P |
| 8.167 | 39.4832 | 0.0000 | 81.264 | 3.41726 | 0.00000 | 274723.5 | 31918.0 | 0.0 | U/P |
| 8.175 | 39.7622 | 0.0000 | 81.282 | 3.42503 | 0.00000 | 275912.2 | 32020.6 | 0.0 | U/P |
| 8.183 | 40.0329 | 0.0000 | 81.301 | 3.43284 | 0.00000 | 277109.2 | 32123.5 | 0.0 | U/P |
| 8.192 | 40.2951 | 0.0000 | 81.319 | 3.44069 | 0.00000 | 278314.1 | 32226.6 | 0.0 | U/P |
| 8.200 | 40.5475 | 0.0000 | 81.338 | 3.44858 | 0.00000 | 279526.7 | 32329.9 | 0.0 | U/P |
| 8.208 | 40.7900 | 0.0000 | 81.357 | 3.45650 | 0.00000 | 280746.8 | 32433.5 | 0.0 | U/P |
| 8.217 | 41.0212 | 0.0000 | 81.375 | 3.46446 | 0.00000 | 281973.9 | 32537.3 | 0.0 | U/P |
| 8.225 | 41.2412 | 0.0000 | 81.394 | 3.47244 | 0.00000 | 283207.9 | 32641.4 | 0.0 | U/P |
| 8.233 | 41.4472 | 0.0000 | 81.413 | 3.48045 | 0.00000 | 284448.2 | 32745.7 | 0.0 | U/P |
| 8.242 | 41.6392 | 0.0000 | 81.432 | 3.48848 | 0.00000 | 285694.5 | 32850.2 | 0.0 | U/P |
| 8.250 | 41.8145 | 0.0000 | 81.451 | 3.49653 | 0.00000 | 286946.3 | 32955.0 | 0.0 | U/P |
| 8.258 | 41.9729 | 0.0000 | 81.470 | 3.50460 | 0.00000 | 288203.1 | 33060.0 | 0.0 | U/P |
| 8.267 | 42.1171 | 0.0000 | 81.489 | 3.51268 | 0.00000 | 289464.5 | 33165.3 | 0.0 | U/P |
| 8.275 | 42.2473 | 0.0000 | 81.508 | 3.52078 | 0.00000 | 290729.9 | 33270.8 | 0.0 | U/P |
| 8.283 | 42.3675 | 0.0000 | 81.527 | 3.52888 | 0.00000 | 291999.2 | 33376.5 | 0.0 | U/P |
| 8.292 | 42.4779 | 0.0000 | 81.546 | 3.53698 | 0.00000 | 293271.8 | 33482.5 | 0.0 | U/P |
| 8.300 | 42.5796 | 0.0000 | 81.565 | 3.54509 | 0.00000 | 294547.7 | 33588.7 | 0.0 | U/P |
| 8.308 | 42.6730 | 0.0000 | 81.585 | 3.55320 | 0.00000 | 295826.5 | 33695.2 | 0.0 | U/P |
| 8.317 | 42.7591 | 0.0000 | 81.604 | 3.56130 | 0.00000 | 297108.0 | 33801.9 | 0.0 | U/P |
| 8.325 | 42.8382 | 0.0000 | 81.623 | 3.56941 | 0.00000 | 298391.9 | 33908.9 | 0.0 | U/P |
| 8.333 | 42.9120 | 0.0000 | 81.642 | 3.57751 | 0.00000 | 299678.2 | 34016.1 | 0.0 | U/P |
| 8.342 | 42.9805 | 0.0000 | 81.661 | 3.58560 | 0.00000 | 300966.6 | 34123.5 | 0.0 | U/P |
| 8.350 | 43.0440 | 0.0000 | 81.680 | 3.59370 | 0.00000 | 302256.9 | 34231.2 | 0.0 | U/P |
| 8.358 | 43.1023 | 0.0000 | 81.699 | 3.60178 | 0.00000 | 303549.1 | 34339.1 | 0.0 | U/P |
| 8.367 | 43.1565 | 0.0000 | 81.718 | 3.60986 | 0.00000 | 304843.0 | 34447.3 | 0.0 | U/P |
| 8.375 | 43.2064 | 0.0000 | 81.737 | 3.61792 | 0.00000 | 306138.4 | 34555.7 | 0.0 | U/P |
| 8.383 | 43.2522 | 0.0000 | 81.756 | 3.62598 | 0.00000 | 307435.3 | 34664.4 | 0.0 | U/P |
| 8.392 | 43.2939 | 0.0000 | 81.775 | 3.63403 | 0.00000 | 308733.5 | 34773.3 | 0.0 | U/P |
| 8.400 | 43.3327 | 0.0000 | 81.794 | 3.64207 | 0.00000 | 310032.9 | 34882.4 | 0.0 | U/P |
| 8.408 | 43.3687 | 0.0000 | 81.813 | 3.65009 | 0.00000 | 311333.4 | 34991.8 | 0.0 | U/P |
| 8.417 | 43.4019 | 0.0000 | 81.831 | 3.65810 | 0.00000 | 312635.0 | 35101.4 | 0.0 | U/P |
| 8.425 | 43.4324 | 0.0000 | 81.850 | 3.66611 | 0.00000 | 313937.5 | 35211.3 | 0.0 | U/P |
| 8.433 | 43.4607 | 0.0000 | 81.869 | 3.67409 | 0.00000 | 315240.9 | 35321.4 | 0.0 | U/P |
| 8.442 | 43.4869 | 0.0000 | 81.888 | 3.68207 | 0.00000 | 316545.1 | 35431.7 | 0.0 | U/P |
| 8.450 | 43.5111 | 0.0000 | 81.907 | 3.69003 | 0.00000 | 317850.1 | 35542.3 | 0.0 | U/P |
| 8.458 | 43.5331 | 0.0000 | 81.925 | 3.69798 | 0.00000 | 319155.8 | 35653.1 | 0.0 | U/P |
| 8.467 | 43.5537 | 0.0000 | 81.944 | 3.70591 | 0.00000 | 320462.1 | 35764.2 | 0.0 | U/P |
| 8.475 | 43.5726 | 0.0000 | 81.963 | 3.71383 | 0.00000 | 321768.9 | 35875.5 | 0.0 | U/P |
| 8.483 | 43.5901 | 0.0000 | 81.981 | 3.72173 | 0.00000 | 323076.4 | 35987.0 | 0.0 | U/P |
| 8.492 | 43.6060 | 0.0000 | 82.000 | 3.72962 | 0.00000 | 324384.3 | 36098.8 | 0.0 | U/P |
| 8.500 | 43.6208 | 0.0000 | 82.018 | 3.73752 | 0.00000 | 325692.7 | 36210.8 | 0.0 | U/P |
| 8.508 | 43.6346 | 0.0000 | 82.037 | 3.74544 | 0.00000 | 327001.6 | 36323.1 | 0.0 | U/P |
| 8.517 | 43.6474 | 0.0000 | 82.055 | 3.75334 | 0.00000 | 328310.8 | 36435.5 | 0.0 | U/P |
| 8.525 | 43.6591 | 0.0000 | 82.074 | 3.76123 | 0.00000 | 329620.4 | 36548.3 | 0.0 | U/P |
| 8.533 | 43.6700 | 0.0000 | 82.092 | 3.76910 | 0.00000 | 330930.3 | 36661.2 | 0.0 | U/P |
| 8.542 | 43.6801 | 0.0000 | 82.110 | 3.77695 | 0.00000 | 332240.6 | 36774.4 | 0.0 | U/P |
| 8.550 | 43.6895 | 0.0000 | 82,129 | 3.78479 | 0.00000 | 333551.1 | 36887.8 | 0.0 | U/P |
| 8.558 | 43.6981 | 0.0000 | 82.147 | 3.79261 | 0.00000 | 334861.9 | 37001.5 | 0.0 | U/P |
| 8.567 | 43.7062 | 0.0000 | 82.165 | 3.80042 | 0.00000 | 336173.0 | 37115.4 | 0.0 | U/P |
| 8.575 | 43.7136 | 0.0000 | 82.183 | 3.80821 | 0.00000 | 337484.3 | 37229.5 | 0.0 | U/P |
| 8.583 | 43.7205 | 0.0000 | 82.201 | 3.81598 | 0.00000 | 338795.8 | 37343.9 | 0.0 | U/P |
| 8.592 | 43.7269 | 0.0000 | 82.220 | 3.82374 | 0.00000 | 340107.5 | 37458.5 | 0.0 | U/P |
| 8.600 | 43.7328 | 0.0000 | 82.238 | 3.83148 | 0.00000 | 341419.4 | 37573.3 | 0.0 | U/P |
| 8.608 | 43.7383 | 0.0000 | 82.256 | 3.83921 | 0.00000 | 342731.5 | 37688.4 | 0.0 | U/P |
| 8.617 | 43.7434 | 0.0000 | 82.274 | 3.84692 | 0.00000 | 344043.7 | 37803.7 | 0.0 | U/P |
| 8.625 | 43.7481 | 0.0000 | 82.292 | 3.85461 | 0.00000 | 345356.1 | 37919.2 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :. Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate $\left(n^{3 / s}\right)$ | Overflow Discharge ( $\mathrm{Ht}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{t}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{A}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{h}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 8.633 | 43.7524 | 0.0000 | 82.310 | 3.86229 | 0.00000 | 346668.6 | 38034.9 | 0.0 | U/P |
| 8.642 | 43.7565 | 0.0000 | 82.328 | 3.86996 | 0.00000 | 347981.2 | 38150.9 | 0.0 | U/P |
| 8.650 | 43.7603 | 0.0000 | 82.345 | 3.87760 | 0.00000 | 349294.0 | 38267.1 | 0.0 | U/P |
| 8.658 | 43.7638 | 0.0000 | 82.363 | 3.88523 | 0.00000 | 350606.8 | 38383.6 | 0.0 | U/P |
| 8.667 | 43.7672 | 0.0000 | 82.381 | 3.89285 | 0.00000 | 351919.8 | 38500.2 | 0.0 | U/P |
| 8.675 | 43.7703 | 0.0000 | 82.399 | 3.90045 | 0.00000 | 353232.9 | 38617.1 | 0.0 | U/P |
| 8.683 | 43.7733 | 0.0000 | 82.416 | 3.90803 | 0.00000 | 354546.0 | 38734.3 | 0.0 | U/P |
| 8.692 | 43.7762 | 0.0000 | 82.434 | 3.91560 | 0.00000 | 355859.3 | 38857.6 | 0.0 | U/P |
| 8.700 | 43.7788 | 0.0000 | 82.452 | 3.92315 | 0.00000 | 357172.6 | 38969.2 | 0.0 | U/P |
| 8.708 | 43.7813 | 0.0000 | 82.469 | 3.93069 | 0.00000 | 358486.0 | 39087.0 | 0.0 | U/P |
| 8.717 | 43.7836 | 0.0000 | 82.487 | 3.93821 | 0.00000 | 359798.5 | 39205.0 | 0.0 | U/P |
| 8.725 | 43.7858 | 0.0000 | 82.504 | 3.94572 | 0.00000 | 361113.0 | 39323.3 | 0.0 | U/P |
| 8.733 | 43.7878 | 0.0000 | 82.522 | 3.95321 | 0.00000 | 362426.6 | 39441.8 | 0.0 | U/P |
| 8.742 | 43.7896 | 0.0000 | 82.539 | 3.96069 | 0.00000 | 363740.3 | 39560.5 | 0.0 | U/P |
| 8.750 | 43.7912 | 0.0000 | 82.557 | 3.96815 | 0.00000 | 365054.0 | 39679.4 | 0.0 | U/P |
| 8.758 | 43.7927 | 0.0000 | 82.574 | 3.97560 | 0.00000 | 366367.8 | 39798.6 | 0.0 | U/P |
| 8.767 | 43.7941 | 0.0000 | 82.592 | 3.98303 | 0.00000 | 367681.5 | 39918.0 | 0.0 | U/P |
| 8.775 | 43.7954 | 0.0000 | 82.609 | 3.99044 | 0.00000 | 368995.4 | 40037.6 | 0.0 | U/P |
| 8.783 | 43.7965 | 0.0000 | 82.626 | 3.99785 | 0.00000 | 370309.3 | 40157.4 | 0.0 | U/P |
| 8.792 | 43.7974 | 0.0000 | 82.643 | 4.00523 | 0.00000 | 371623.2 | 40277.4 | 0.0 | U/P |
| 8.800 | 43.7982 | 0.0000 | 82.661 | 4.01260 | 0.00000 | 372937.1 | 40397.7 | 0.0 | U/P |
| 8.808 | 43.7989 | 0.0000 | 82.678 | 4.01996 | 0.00000 | 374251.1 | 40518.2 | 0.0 | U/P |
| 8.817 | 43.7994 | 0.0000 | 82.695 | 4.02730 | 0.00000 | 375565.0 | 40638.9 | 0.0 | U/P |
| 8.825 | 43.7998 | 0.0000 | 82.712 | 4.03463 | 0.00000 | 376879.0 | 40759.8 | 0.0 | U/P |
| 8.833 | 43.8002 | 0.0000 | 82.729 | 4.04194 | 0.00000 | 378193.0 | 40881.0 | 0.0 | U/P |
| 8.842 | 43.8005 | 0.0000 | 82.746 | 4.04924 | 0.00000 | 379507.0 | 41002.4 | 0.0 | U/P |
| 8.850 | 43.8009 | 0.0000 | 82.763 | 4.05653 | 0.00000 | 380821.1 | 41123.9 | 0.0 | U/P |
| 8.858 | 43.8013 | 0.0000 | 82.780 | 4.06380 | 0.00000 | 382135.1 | 41245.7 | 0.0 | U/P |
| 8.867 | 43.8016 | 0.0000 | 82.797 | 4.07105 | 0.00000 | 383449.1 | 41367.8 | 0.0 | U/P |
| 8.875 | 43.8020 | 0.0000 | 82.814 | 4.07829 | 0.00000 | 384763.2 | 41490.0 | 0.0 | U/P |
| 8.883 | 43.8024 | 0.0000 | 82.831 | 4.08552 | 0.00000 | 386077.3 | 41612.5 | 0.0 | U/P |
| 8.892 | 43.8027 | 0.0000 | 82.848 | 4.09273 | 0.00000 | 387391.3 | 41735.1 | 0.0 | U/P |
| 8.900 | 43.8031 | 0.0000 | 82.865 | 4.09993 | 0.00000 | 388705.4 | 41858.0 | 0.0 | U/P |
| 8.908 | 43.8034 | 0.0000 | 82.881 | 4.10712 | 0.00000 | 390019.5 | 41981.1 | 0.0 | U/P |
| 8.917 | 43.8037 | 0.0000 | 82.898 | 4.11429 | 0.00000 | 391333.6 | 42104.5 | 0.0 | U/P |
| 8.925 | 43.8041 | 0.0000 | 82.915 | 4.12145 | 0.00000 | 392647.7 | 42228.0 | 0.0 | U/P |
| 8.933 | 43.8044 | 0.0000 | 82.932 | 4.12859 | 0.00000 | 393961.8 | 42351.7 | 0.0 | U/P |
| 8.942 | 43.8047 | 0.0000 | 82.948 | 4.13572 | 0.00000 | 395276.0 | 42475.7 | 0.0 | U/P |
| 8.950 | 43.8051 | 0.0000 | 82.965 | 4.14284 | 0.00000 | 396590.2 | 42599.9 | 0.0 | U/P |
| 8.958 | 43.8054 | 0.0000 | 82.981 | 4.14995 | 0.00000 | 397904.3 | 42724.3 | 0.0 | U/P |
| 8.967 | 43.8057 | 0.0000 | 82.998 | 4.15704 | 0.00000 | 399218.5 | 42848.9 | 0.0 | U/P |
| 8.975 | 43.8061 | 0.0000 | 83.014 | 4.16414 | 0.00000 | 400532.7 | 42973.7 | 0.0 | U/P |
| 8.983 | 43.8064 | 0.0000 | 83.031 | 4.17125 | 0.00000 | 401846.8 | 43098.7 | 0.0 | U/P |
| 8.992 | 43.8067 | 0.0000 | 83.047 | 4.17835 | 0.00000 | 403161.0 | 43224.0 | 0.0 | U/P |
| 9.000 | 43.8070 | 0.0000 | 83.064 | 4.18544 | 0.00000 | 404475.2 | 43349.4 | 0.0 | U/P |
| 9.008 | 43.7999 | 0.0000 | 83.080 | 4.19252 | 0.00000 | 405789.3 | 43475.1 | 0.0 | U/P |
| 9.017 | 43.7855 | 0.0000 | 83.097 | 4.19958 | 0.00000 | 407103.1 | 43601.0 | 0.0 | U/P |
| 9.025 | 43.7538 | 0.0000 | 83.113 | 4.20662 | 0.00000 | 408416.2 | 43727.1 | 0.0 | U/P |
| 9.033 | 43.7049 | 0.0000 | 83.129 | 4.21365 | 0.00000 | 409728.1 | 43853.4 | 0.0 | U/P |
| 9.042 | 43.6339 | 0.0000 | 83.145 | 4.22065 | 0.00000 | 411038.2 | 43979.9 | 0.0 | U/P |
| 9.050 | 43.5407 | 0.0000 | 83.162 | 4.22763 | 0.00000 | 412345.8 | 44106.6 | 0.0 | U/P |
| 9.058 | 43.4180 | 0.0000 | 83.178 | 4.23458 | 0.00000 | 413650.2 | 44233.6 | 0.0 | U/P |
| 9.067 | 43.2658 | 0.0000 | 83.194 | 4.24150 | 0.00000 | 414950.4 | 44360.7 | 0.0 | U/P |
| 9.075 | 43.0742 | 0.0000 | 83.210 | 4.24837 | 0.00000 | 416245.5 | 44488.0 | 0.0 | U/P |
| 9.083 | 42.8433 | 0.0000 | 83.225 | 4.25520 | 0.00000 | 417534.3 | 44615.6 | 0.0 | U/P |
| 9.092 | 42.5656 | 0.0000 | 83.241 | 4.26198 | 0.00000 | 418815.4 | 44743.4 | 0.0 | U/P |
| 9.100 | 42.2412 | 0.0000 | 83.257 | 4.26870 | 0.00000 | 420087.5 | 44871.3 | 0.0 | U/P |
| 9.108 | 41.8775 | 0.0000 | 83.272 | 4.27534 | 0.00000 | 421349.3 | 44999.5 | 0.0 | U/P |
| 9.117 | 41.4743 | 0.0000 | 83.287 | 4.28192 | 0.00000 | 422599.6 | 45127.8 | 0.0 | U/P |
| 9.125 | 41.0442 | 0.0000 | 83.302 | 4.28841 | 0.00000 | 423837.3 | 45256.4 | 0.0 | U/P |
| 9.133 | 40.5869 | 0.0000 | 83.317 | 4.29481 | 0.00000 | 425061.8 | 45385.1 | 0.0 | U/P |
| 9.142 | 40.1149 | 0.0000 | 83.331 | 4.30113 | 0.00000 | 426272.3 | 45514.1 | 0.0 | U/P |
| 9.150 | 39.6281 | 0.0000 | 83.346 | 4.30735 | 0.00000 | 427468.5 | 45643.2 | 0.0 | U/P |
| 9.158 | 39.1389 | 0.0000 | 83.360 | 4.31348 | 0.00000 | 428650.0 | 45772.5 | 0.0 | U/P |
| 9.167 | 38.6471 | 0.0000 | 83.374 | 4.31952 | 0.00000 | 429816.8 | 45902.0 | 0.0 | U/P |
| 9.175 | 38.1579 | 0.0000 | 83.387 | 4.32546 | 0.00000 | 430968.9 | 46031.7 | 0.0 | U/P |
| 9.183 | 37.6711 | 0.0000 | 83.401 | 4.33731 | 0.00000 | 432106.3 | 46161.5 | 0.0 | U/P |
| 9.192 | 37.1990 | 0.0000 | 83.414 | 4.33706 | 0.00000 | 433229.3 | 46291.6 | 0.0 | U/P |
| 9.200 | 36.7417 | 0.0000 | 83.427 | 4.34273 | 0.00000 | 434338.5 | 46421.8 | 0.0 | U/P |
| 9.208 | 36.3016 | 0.0000 | 83.440 | 4.34831 | 0.00000 | 435434.1 | 46552.1 | 0.0 | U/P |
| 9.217 | 35.8788 | 0.0000 | 83.453 | 4.35380 | 0.00000 | 436516.8 | 46682.7 | 0.0 | U/P |
| 9.225 | 35.4755 | 0.0000 | 83.465 | 4.35922 | 0.00000 | 437587.1 | 46813.4 | 0.0 | U/P |
| 9.233 | 35.0920 | 0.0000 | 83.477 | 4.36455 | 0.00000 | 438645.7 | 46944.2 | 0.0 | U/P |
| 9.242 | 34.7331 | 0.0000 | 83.490 | 4.36982 | 0.00000 | 439693.0 | 47075.2 | 0.0 | U/P |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: Pond 5100 yr / 24 hr

| Elapsed Time (hours) | Inflow Rate (f $\mathrm{f}^{3 / \mathrm{s}}$ ) | Outside Recharge (ffday) | Stage Elevation (ft datum) | Infilitration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 9.250 | 34.3987 | 0.0000 | 83.502 | 4.37501 | 0.00000 | 440730.0 | 47206.4 | 0.0 | U/P |
| 9.258 | 34.0939 | 0.0000 | 83.513 | 4.38015 | 0.00000 | 441757.4 | 47337.7 | 0.0 | U/P |
| 9.267 | 33.8185 | 0.0000 | 83.525 | 4.38522 | 0.00000 | 442776.1 | 47469.2 | 0.0 | U/P |
| 9.275 | 33.5678 | 0.0000 | 83.537 | 4.39024 | 0.00000 | 443786.9 | 47600.8 | 0.0 | U/P |
| 9.283 | 33.3417 | 0.0000 | 83.548 | 4.39521 | 0.00000 | 444790.5 | 47732.6 | 0.0 | U/P |
| 9.292 | 33.1327 | 0.0000 | 83.560 | 4.40013 | 0.00000 | 445787.6 | 47864.6 | 0.0 | U/P |
| 9.300 | 32.9410 | 0.0000 | 83.571 | 4.40502 | 0.00000 | 446778.7 | 47996.6 | 0.0 | U/P |
| 9.308 | 32.7641 | 0.0000 | 83.582 | 4.40986 | 0.00000 | 447764.3 | 48128.9 | 0.0 | U/P |
| 9.317 | 32.6019 | 0.0000 | 83.593 | 4.41467 | 0.00000 | 448744.8 | 48261.2 | 0.0 | U/P |
| 9.325 | 32.4520 | 0.0000 | 83.604 | 4.41944 | 0.00000 | 449720.6 | 48393.7 | 0.0 | U/P |
| 9.333 | 32.3144 | 0.0000 | 83.615 | 4.42419 | 0.00000 | 450692.1 | 48526.4 | 0.0 | U/P |
| 9.342 | 32.1857 | 0.0000 | 83.626 | 4.42890 | 0.00000 | 451659.6 | 48659.2 | 0.0 | U/P |
| 9,350 | 32.0661 | 0.0000 | 83.637 | 4.43359 | 0.00000 | 452623.4 | 48792.1 | 0.0 | U/P |
| 9.358 | 31.9554 | 0.0000 | 83.648 | 4.43825 | 0.00000 | 453583.7 | 48925.2 | 0.0 | U/P |
| 9.367 | 31.8537 | 0.0000 | 83.658 | 4.44288 | 0.00000 | 454540.8 | 49058.4 | 0.0 | U/P |
| 9.375 | 31.7593 | 0.0000 | 83.669 | 4.44750 | 0.00000 | 455495.0 | 49191.8 | 0.0 | U/P |
| 9.383 | 31.6724 | 0.0000 | 83.680 | 4.45209 | 0.00000 | 456446.5 | 49325.3 | 0.0 | U/P |
| 9.392 | 31.5928 | 0.0000 | 83.690 | 4.45666 | 0.00000 | 457395.5 | 49458.9 | 0.0 | U/P |
| 9.400 | 31.5206 | 0.0000 | 83.701 | 4.46121 | 0.00000 | 458342.2 | 49592.7 | 0.0 | U/P |
| 9.408 | 31.4533 | 0.0000 | 83.711 | 4.46575 | 0.00000 | 459286.8 | 49726.6 | 0.0 | U/P |
| 9.417 | 31.3910 | 0.0000 | 83.722 | 4.47027 | 0.00000 | 460229.5 | 49860.6 | 0.0 | U/P |
| 9.425 | 31.3335 | 0.0000 | 83.732 | 4.47477 | 0.00000 | 461170.3 | 49994.8 | 0.0 | U/P |
| 9.433 | 31.2810 | 0.0000 | 83.743 | 4.47926 | 0.00000 | 462109.5 | 50129.1 | 0.0 | U/P |
| 9.442 | 31.2322 | 0.0000 | 83.753 | 4.48373 | 0.00000 | 463047.3 | 50263.6 | 0.0 | U/P |
| 9.450 | 31.1870 | 0.0000 | 83.763 | 4.48819 | 0.00000 | 463983.5 | 50398.1 | 0.0 | U/P |
| 9.458 | 31.1456 | 0.0000 | 83.774 | 4.49264 | 0.00000 | 464918.5 | 50532.8 | 0.0 | U/P |
| 9.467 | 31.1078 | 0.0000 | 83.784 | 4.49708 | 0.00000 | 465852.3 | 50667.7 | 0.0 | U/P |
| 9.475 | 31.0727 | 0.0000 | 83.794 | 4.50150 | 0.00000 | 466785.0 | 50802.7 | 0.0 | U/P |
| 9.483 | 31.0404 | 0.0000 | 83.805 | 4.50592 | 0.00000 | 467716.7 | 50937.8 | 0.0 | U/P |
| 9.492 | 31.0107 | 0.0000 | 83.815 | 4.51032 | 0.00000 | 468647.5 | 51073.0 | 0.0 | U/P |
| 9.500 | 30.9838 | 0.0000 | 83.825 | 4.51471 | 0.00000 | 469577.4 | 51208.4 | 0.0 | U/P |
| 9.508 | 30.9583 | 0.0000 | 83.835 | 4.51910 | 0.00000 | 470506.5 | 51343.9 | 0.0 | U/P |
| 9.517 | 30.9340 | 0.0000 | 83.845 | 4.52347 | 0.00000 | 471434.9 | 51479.5 | 0.0 | U/P |
| 9.525 | 30.9104 | 0.0000 | 83.855 | 4.52784 | 0.00000 | 472362.6 | 51615.3 | 0.0 | U/P |
| 9.533 | 30.8871 | 0.0000 | 83.865 | 4.53220 | 0.00000 | 473289.6 | 51751.2 | 0.0 | U/P |
| 9.542 | 30.8634 | 0.0000 | 83.876 | 4.53654 | 0.00000 | 474215.8 | 51887.2 | 0.0 | U/P |
| 9.550 | 30.8390 | 0.0000 | 83.886 | 4.54088 | 0.00000 | 475141.3 | 52023.4 | 0.0 | U/P |
| 9.558 | 30.8136 | 0.0000 | 83.896 | 4.54521 | 0.00000 | 476066.1 | 52159.7 | 0.0 | U/P |
| 9.567 | 30.7868 | 0.0000 | 83.906 | 4.54953 | 0.00000 | 476990.1 | 52296.1 | 0.0 | U/P |
| 9.575 | 30.7579 | 0.0000 | 83.916 | 4.55385 | 0.00000 | 477913.3 | 52432.7 | 0.0 | U/P |
| 9.583 | 30.7264 | 0.0000 | 83.926 | 4.55815 | 0.00000 | 478835.6 | 52569.4 | 0.0 | U/P |
| 9.592 | 30.6919 | 0.0000 | 83.936 | 4.56244 | 0.00000 | 479756.8 | 52706.2 | 0.0 | U/P |
| 9.600 | 30.6542 | 0.0000 | 83.945 | 4.56672 | 0.00000 | 480677.0 | 52843.1 | 0.0 | U/P |
| 9.608 | 30.6133 | 0.0000 | 83.955 | 4.57100 | 0.00000 | 481596.1 | 52980.2 | 0.0 | U/P |
| 9.617 | 30.5696 | 0,0000 | 83.965 | 4.57526 | 0.00000 | 482513.8 | 53117.4 | 0.0 | U/P |
| 9.625 | 30.5236 | 0.0000 | 83.975 | 4.57950 | 0.00000 | 483430.2 | 53254.7 | 0.0 | U/P |
| 9.633 | 30.4759 | 0.0000 | 83.985 | 4.58374 | 0.00000 | 484345.2 | 53392.1 | 0.0 | U/P |
| 9.642 | 30.4267 | 0.0000 | 83.995 | 4.58796 | 0.00000 | 485258.7 | 53529.7 | 0.0 | U/P |
| 9.650 | 30.3768 | 0.0000 | 84.004 | 4.59218 | 0.00000 | 486170.8 | 53667.4 | 0.0 | U/P |
| 9.658 | 30.3266 | 0.0000 | 84.014 | 4.59640 | 0.00000 | 487081.3 | 53805.2 | 0.0 | U/P |
| 9,667 | 30.2766 | 0.0000 | 84.024 | 4.60062 | 0.00000 | 487990.4 | 53943.2 | 0.0 | U/P |
| 9.675 | 30.2269 | 0.0000 | 84.034 | 4.60482 | 0.00000 | 488897.9 | 54081.3 | 0.0 | U/P |
| 9.683 | 30.1778 | 0.0000 | 84.043 | 4.60901 | 0.00000 | 489804.0 | 54219.5 | 0.0 | U/P |
| 9.692 | 30.1298 | 0.0000 | 84.053 | 4.61319 | 0.00000 | 490708.6 | 54357.8 | 0.0 | U/P |
| 9.700 | 30.0834 | 0.0000 | 84.062 | 4.61736 | 0.00000 | 491611.8 | 54496.3 | 0.0 | U/P |
| 9.708 | 30.0387 | 0.0000 | 84.072 | 4.62151 | 0.00000 | 492513.6 | 54634.9 | 0.0 | U/P |
| 9.717 | 29.9959 | 0.0000 | 84.081 | 4.62565 | 0.00000 | 493414.2 | 54773.6 | 0.0 | U/P |
| 9.725 | 29.9551 | 0.0000 | 84.091 | 4.62979 | 0.00000 | 494313.4 | 54912.4 | 0.0 | U/P |
| 9.733 | 29.9211 | 0.0000 | 84.100 | 4.63391 | 0.00000 | 495211.6 | 55051.3 | 0.0 | U/P |
| 9.742 | 29.9355 | 0.0000 | 84.110 | 4.63802 | 0.00000 | 496109.4 | 55190.4 | 0.0 | U/P |
| 9.750 | 29.9800 | 0.0000 | 84.119 | 4.64213 | 0.00000 | 497008.2 | 55329.6 | 0.0 | U/P |
| 9.758 | 30.0462 | 0.0000 | 84.129 | 4.64624 | 0.00000 | 497908.5 | 55469.0 | 0.0 | U/P |
| 9.767 | 30.1300 | 0.0000 | 84.138 | 4.65036 | 0.00000 | 498811.2 | 55608.4 | 0.0 | U/P |
| 9.775 | 30.2285 | 0.0000 | 84.148 | 4.65448 | 0.00000 | 499716.6 | 55748.0 | 0.0 | U/P |
| 9.783 | 30.3392 | 0.0000 | 84.157 | 4.65862 | 0.00000 | 500625.1 | 55887.7 | 0.0 | U/P |
| 9.792 | 30.4604 | 0.0000 | 84.167 | 4.66278 | 0.00000 | 501537.1 | 56027.5 | 0.0 | U/P |
| 9.800 | 30.5902 | 0.0000 | 84.177 | 4.66694 | 0.00000 | 502452.8 | 56167.4 | 0.0 | U/P |
| 9.808 | 30.7274 | 0.0000 | 84.186 | 4.67113 | 0.00000 | 503372.6 | 56307.5 | 0.0 | U/P |
| 9.817 | 30.8709 | 0.0000 | 84.196 | 4.67533 | 0.00000 | 504296.6 | 56447.7 | 0.0 | U/P |
| 9.825 | 31.0197 | 0.0000 | 84.206 | 4.67955 | 0.00000 | 505224.9 | 56588.0 | 0.0 | U/P |
| 9.833 | 31.1728 | 0.0000 | 84.216 | 4.68379 | 0.00000 | 506157.8 | 56728.5 | 0.0 | U/P |
| 9.842 | 31.3292 | 0.0000 | 84.225 | 4.68805 | 0.00000 | 507095.3 | 56869.1 | 0.0 | U/P |
| 9.850 | 31.4881 | 0.0000 | 84.235 | 4.69233 | 0.00000 | 508037.6 | 57009.8 | 0.0 | U/P |
| 9.858 | 31.6489 | 0.0000 | 84.245 | 4.69663 | 0.00000 | 508984.7 | 57150.6 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (IV/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 9.867 | 31.8110 | 0.0000 | 84.255 | 4.70095 | 0.00000 | 509936.6 | 57291.6 | 0.0 | U/P |
| 9.875 | 31.9740 | 0.0000 | 84.265 | 4.70530 | 0.00000 | 510893.3 | 57432.7 | 0.0 | U/P |
| 9.883 | 32.1373 | 0.0000 | 84.275 | 4.70966 | 0.00000 | 511855.0 | 57573.9 | 0.0 | U/P |
| 9.892 | 32.3006 | 0.0000 | 84.285 | 4.71405 | 0.00000 | 512821.6 | 57715.2 | 0.0 | U/P |
| 9.900 | 32.4636 | 0.0000 | 84.296 | 4.71845 | 0.00000 | 513793.0 | 57856.7 | 0.0 | U/P |
| 9.908 | 32.6257 | 0.0000 | 84.306 | 4.72288 | 0.00000 | 514769.4 | 57998.3 | 0.0 | U/P |
| 9.917 | 32.7867 | 0.0000 | 84.316 | 4.72733 | 0.00000 | 515750.6 | 58140.1 | 0.0 | U/P |
| 9.925 | 32.9463 | 0.0000 | 84.326 | 4.73180 | 0.00000 | 516736.6 | 58282.0 | 0.0 | U/P |
| 9.933 | 33.1043 | 0.0000 | 84.337 | 4.73629 | 0.00000 | 517727.3 | 58424.0 | 0.0 | U/P |
| 9.942 | 33.2604 | 0.0000 | 84.347 | 4.74080 | 0.00000 | 518722.8 | 58566.2 | 0.0 | U/P |
| 9.950 | 33.4144 | 0.0000 | 84.358 | 4.74534 | 0.00000 | 519722.9 | 58708.5 | 0.0 | U/P |
| 9.958 | 33.5662 | 0.0000 | 84.368 | 4.74989 | 0.00000 | 520727.6 | 58850.9 | 0.0 | U/P |
| 9.967 | 33.7156 | 0.0000 | 84,379 | 4.75445 | 0.00000 | 521736.8 | 58993.4 | 0.0 | U/P |
| 9.975 | 33.8625 | 0.0000 | 84.389 | 4.75904 | 0.00000 | 522750.5 | 59136.1 | 0.0 | U/P |
| 9.983 | 34.0067 | 0.0000 | 84.400 | 4.76365 | 0.00000 | 523768.6 | 59279.0 | 0.0 | U/P |
| 9.992 | 34.1483 | 0.0000 | 84.411 | 4.76827 | 0.00000 | 524790.9 | 59422.0 | 0.0 | U/P |
| 10.000 | 34.2871 | 0.0000 | 84.421 | 4.77291 | 0.00000 | 525817.4 | 59565.1 | 0.0 | U/P |
| 10.008 | 34.4226 | 0.0000 | 84.432 | 4.77757 | 0.00000 | 526848.1 | 59708.3 | 0.0 | U/P |
| 10.017 | 34.5471 | 0.0000 | 84.443 | 4.78224 | 0.00000 | 527882.6 | 59851.7 | 0.0 | U/P |
| 10.025 | 34.6597 | 0.0000 | 84.454 | 4.78693 | 0.00000 | 528920.7 | 59995.3 | 0.0 | U/P |
| 10.033 | 34.7496 | 0.0000 | 84.465 | 4.79163 | 0.00000 | 529961.8 | 60139.0 | 0.0 | U/P |
| 10.042 | 34.8160 | 0.0000 | 84.475 | 4.79634 | 0.00000 | 531005.3 | 60282.8 | 0.0 | U/P |
| 10.050 | 34.8528 | 0.0000 | 84.486 | 4.80105 | 0.00000 | 532050.4 | 60426.7 | 0.0 | U/P |
| 10.058 | 34.8589 | 0.0000 | 84.497 | 4.80576 | 0.00000 | 533096.1 | 60570.8 | 0.0 | U/P |
| 10.067 | 34.8254 | 0.0000 | 84.508 | 4.81047 | 0.00000 | 534141.3 | 60715.1 | 0.0 | U/P |
| 10.075 | 34.7506 | 0.0000 | 84.519 | 4.81517 | 0.00000 | 535184.9 | 60859.5 | 0.0 | U/P |
| 10.083 | 34.6230 | 0.0000 | 84.530 | 4.81985 | 0.00000 | 536225.6 | 61004.0 | 0.0 | U/P |
| 10.092 | 34.4414 | 0.0000 | 84.540 | 4.82450 | 0.00000 | 537261.5 | 61148.7 | 0.0 | U/P |
| 10.100 | 34.1975 | 0.0000 | 84.551 | 4.82912 | 0.00000 | 538291.1 | 61293.5 | 0.0 | U/P |
| 10.108 | 33.8912 | 0.0000 | 84.561 | 4.83370 | 0.00000 | 539312.4 | 61438.4 | 0.0 | U/P |
| 10.117 | 33.5303 | 0.0000 | 84.572 | 4.83823 | 0.00000 | 540323.8 | 61583.5 | 0.0 | U/P |
| 10.125 | 33.1157 | 0.0000 | 84.582 | 4.84269 | 0.00000 | 541323.4 | 61728.7 | 0.0 | U/P |
| 10.133 | 32.6607 | 0.0000 | 84.592 | 4.84709 | 0.00000 | 542310.1 | 61874.0 | 0.0 | U/P |
| 10.142 | 32.1665 | 0.0000 | 84.602 | 4.85141 | 0.00000 | 543282.5 | 62019.5 | 0.0 | U/P |
| 10.150 | 31.6468 | 0.0000 | 84.611 | 4.85565 | 0.00000 | 544239.7 | 62165.1 | 0.0 | U/P |
| 10.158 | 31.1031 | 0.0000 | 84.621 | 4.85980 | 0.00000 | 545180.9 | 62310.9 | 0.0 | U/P |
| 10.167 | 30.5491 | 0.0000 | 84.630 | 4.86387 | 0.00000 | 546105.8 | 62456.7 | 0.0 | $\mathrm{U} / \mathrm{P}$ |
| 10.175 | 29.9860 | 0.0000 | 84.639 | 4.86785 | 0.00000 | 547013.8 | 62602.7 | 0.0 | U/P |
| 10.183 | 29.4201 | 0.0000 | 84.648 | 4.87173 | 0.00000 | 547904.8 | 62748.8 | 0.0 | U/P |
| 10.192 | 28.8530 | 0.0000 | 84.657 | 4.87553 | 0.00000 | 548778.9 | 62895.0 | 0.0 | U/P |
| 10.200 | 28.2985 | 0.0000 | 84.665 | 4.87923 | 0.00000 | 549636.2 | 63041.3 | 0.0 | U/P |
| 10.208 | 27.7574 | 0.0000 | 84.673 | 4.88285 | 0.00000 | 550477.1 | 63187.7 | 0.0 | U/P |
| 10.217 | 27.2330 | 0.0000 | 84.681 | 4.88638 | 0.00000 | 551301.9 | 63334.3 | 0.0 | U/P |
| 10.225 | 26.7257 | 0.0000 | 84.689 | 4.88982 | 0.00000 | 552111.3 | 63480.9 | 0.0 | U/P |
| 10.233 | 26.2387 | 0.0000 | 84.697 | 4.89319 | 0.00000 | 552905.8 | 63627.7 | 0.0 | U/P |
| 10.242 | 25.7725 | 0.0000 | 84.704 | 4.89648 | 0.00000 | 553685.9 | 63774.5 | 0.0 | U/P |
| 10.250 | 25.3326 | 0.0000 | 84.712 | 4.89969 | 0.00000 | 554452.5 | 63921.5 | 0.0 | U/P |
| 10.258 | 24.9195 | 0.0000 | 84.719 | 4.90283 | 0.00000 | 555206.3 | 64068.5 | 0.0 | U/P |
| 10.267 | 24.5386 | 0.0000 | 84.726 | 4.90591 | 0.00000 | 555948.1 | 64215.6 | 0.0 | U/P |
| 10.275 | 24.1898 | 0.0000 | 84.733 | 4.90892 | 0.00000 | 556679.1 | 64362.9 | 0.0 | U/P |
| 10.283 | 23.8683 | 0.0000 | 84.740 | 4.91188 | 0.00000 | 557399.9 | 64510.2 | 0.0 | U/P |
| $\ddagger 0.292$ | 23.5737 | 0.0000 | 84.746 | 4.91479 | 0.00000 | 558111.6 | 64657.6 | 0.0 | U/P |
| 10.300 | 23.2986 | 0.0000 | 84.753 | 4.91765 | 0.00000 | 558814.7 | 64805.1 | 0.0 | U/P |
| 10.308 | 23.0429 | 0.0000 | 84.759 | 4.92047 | 0.00000 | 559509.8 | 64952.6 | 0.0 | U/P |
| 10.317 | 22.8041 | 0.0000 | 84.766 | 4.92324 | 0.00000 | 560197.5 | 65100.3 | 0.0 | U/P |
| 10.325 | 22.5822 | 0.0000 | 84.772 | 4.92598 | 0.00000 | 560878.3 | 65248.0 | 0.0 | U/P |
| 10.333 | 22.3746 | 0.0000 | 84.778 | 4.92868 | 0.00000 | 561552.6 | 65395.8 | 0.0 | U/P |
| 10.342 | 22.1813 | 0.0000 | 84.784 | 4.93135 | 0.00000 | 562221.0 | 65543.7 | 0.0 | U/P |
| 10.350 | 21.9987 | 0.0000 | 84.790 | 4.93398 | 0.00000 | 562883.7 | 65691.7 | 0.0 | U/P |
| 10.358 | 21.8270 | 0.0000 | 84.796 | 4.93659 | 0.00000 | 563541.1 | 65839.8 | 0.0 | U/P |
| 10.367 | 21.6661 | 0.0000 | 84.802 | 4.93917 | 0.00000 | 564193.4 | 65987.9 | 0.0 | U/P |
| 10.375 | 21.5159 | 0.0000 | 84.808 | 4.94172 | 0.00000 | 564841.2 | 66136.1 | 0.0 | U/P |
| 10.383 | 21.3747 | 0.0000 | 84.814 | 4.94425 | 0.00000 | 565484.6 | 66284.4 | 0.0 | U/P |
| 10.392 | 21.2427 | 0.0000 | 84.819 | 4.94675 | 0.00000 | 566123.8 | 66432.8 | 0.0 | U/P |
| 10.400 | 21.1197 | 0.0000 | 84.825 | 4.94923 | 0.00000 | 566759.3 | 66581.2 | 0.0 | U/P |
| 10.408 | 21.0057 | 0.0000 | 84.831 | 4.95169 | 0.00000 | 567391.1 | 66729.7 | 0.0 | U/P |
| 10.417 | 20.8980 | 0.0000 | 84.836 | 4.95414 | 0.00000 | 568019.7 | 66878.3 | 0.0 | U/P |
| 10.425 | 20.7966 | 0.0000 | 84.842 | 4.95656 | 0.00000 | 568645.1 | 67027.0 | 0.0 | U/P |
| 10.433 | 20.7016 | 0.0000 | 84.847 | 4.95897 | 0.00000 | 569267.6 | 67175.7 | 0.0 | U/P |
| 10.442 | 20.6128 | 0.0000 | 84.853 | 4.96136 | 0.00000 | 569887.3 | 67324.5 | 0.0 | U/P |
| 10.450 | 20.5290 | 0.0000 | 84.858 | 4.96374 | 0.00000 | 570504.4 | 67473.4 | 0.0 | U/P |
| 10.458 | 20.4501 | 0.0000 | 84.864 | 4.96610 | 0.00000 | 571119.1 | 67622.4 | 0.0 | U/P |
| 10.467 | 20.3762 | 0.0000 | 84.869 | 4.96845 | 0.00000 | 571731.5 | 67771.4 | 0.0 | U/P |
| 10.475 | 20.3070 | 0.0000 | 84.875 | 4.97078 | 0.00000 | 572341.8 | 67920.5 | 0.0 | U/P |

# PONDS Version 3.2.0207 <br> Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E. 

Detailed Results (cont,d.) :: Scenario 1 :: Pond 5100 yr/24 hr

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} \mathrm{~s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative unflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infitration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | $\begin{aligned} & \text { Flow } \\ & \text { Type } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 10.483 | 20.2416 | 0.0000 | 84.880 | 4.97311 | 0.00000 | 572950.0 | 68069.6 | 0.0 | U/P |
| 10.492 | 20.1800 | 0.0000 | 84.885 | 4.97542 | 0.00000 | 573556.3 | 68218.8 | 0.0 | U/P |
| 10.500 | 20.1222 | 0.0000 | 84.891 | 4.97772 | 0.00000 | 574160.8 | 68368.1 | 0.0 | U/P |
| 10.508 | 20.0680 | 0.0000 | 84.896 | 4.98002 | 0.00000 | 574763.7 | 68517.5 | 0.0 | U/P |
| 10.517 | 20.0171 | 0.0000 | 84.901 | 4.98230 | 0.00000 | 575364.9 | 68666.9 | 0.0 | U/P |
| 10.525 | 19.9698 | 0.0000 | 84.906 | 4.98457 | 0.00000 | 575964.8 | 68816.5 | 0.0 | U/P |
| 10.533 | 19.9270 | 0.0000 | 84.911 | 4.98684 | 0.00000 | 576563.2 | 68966.0 | 0.0 | U/P |
| 10.542 | 19.8890 | 0.0000 | 84.917 | 4.98909 | 0.00000 | 577160.4 | 69115.7 | 0.0 | U/P |
| 10.550 | 19.8558 | 0.0000 | 84.922 | 4.99134 | 0.00000 | 577756.6 | 69265.4 | 0.0 | U/P |
| 10.558 | 19.8277 | 0.0000 | 84.927 | 4.99359 | 0.00000 | 578351.9 | 69415.1 | 0.0 | U/P |
| 10.567 | 19.8053 | 0.0000 | 84.932 | 4.99583 | 0.00000 | 578946.4 | 69565.0 | 0.0 | U/P |
| 10.575 | 19.7891 | 0.0000 | 84.937 | 4.99806 | 0.00000 | 579540.3 | 69714.9 | 0.0 | U/P |
| 10.583 | 19.7794 | 0.0000 | 84.942 | 5.00029 | 0.00000 | 580133.8 | 69864.9 | 0.0 | U/P |
| 10.592 | 19.7769 | 0.0000 | 84.948 | 5.00252 | 0.00000 | 580727.1 | 70014.9 | 0.0 | U/P |
| 10.600 | 19.7820 | 0.0000 | 84.953 | 5.00474 | 0.00000 | 581320.6 | 70165.0 | 0.0 | U/P |
| 10.608 | 19.7953 | 0.0000 | 84.958 | 5.00697 | 0.00000 | 581914.2 | 70315.2 | 0.0 | U/P |
| 10.617 | 19.8160 | 0.0000 | 84.963 | 5.00919 | 0.00000 | 582508.4 | 70465.4 | 0.0 | U/P |
| 10.625 | 19.8435 | 0.0000 | 84.968 | 5.01142 | 0.00000 | 583103.3 | 70675.7 | 0.0 | U/P |
| 10.633 | 19.8771 | 0.0000 | 84.973 | 5.01365 | 0.00000 | 583699.1 | 70766.1 | 0.0 | U/P |
| 10.642 | 19.9161 | 0.0000 | 84.978 | 5.01588 | 0.00000 | 584296.0 | 70916.6 | 0.0 | U/P |
| 10.650 | 19.9591 | 0.0000 | 84.984 | 5.01812 | 0.00000 | 584894.1 | 71067.1 | 0.0 | U/P |
| 10.658 | 20.0056 | 0.0000 | 84.989 | 5.02036 | 0.00000 | 585493.6 | 71217.6 | 0.0 | U/P |
| 10.667 | 20.0545 | 0.0000 | 84.994 | 5.02261 | 0.00000 | 586094.4 | 71368.3 | 0.0 | U/P |
| 10.675 | 20.1051 | 0.0000 | 84.999 | 5.02487 | 0.00000 | 586696.9 | 71519.0 | 0.0 | U/P |
| 10.683 | 20.1568 | 0.0000 | 85.004 | 5.02714 | 0.00000 | 587300.8 | 71669.8 | 0.0 | U/P |
| 10.692 | 20.2091 | 0.0000 | 85.010 | 5.02942 | 0.00000 | 587906.3 | 71820.6 | 0.0 | U/P |
| 10.700 | 20.2612 | 0.0000 | 85.015 | 5.03171 | 0.00000 | 588513.3 | 71971.6 | 0.0 | U/P |
| 10.708 | 20.3124 | 0.0000 | 85.020 | 5.03400 | 0.00000 | 589121.9 | 72122.5 | 0.0 | U/P |
| 10.717 | 20.3623 | 0.0000 | 85.025 | 5.03631 | 0.00000 | 589732.1 | 72273.6 | 0.0 | U/P |
| 10.725 | 20.4107 | 0.0000 | 85.031 | 5.03862 | 0.00000 | 590343.6 | 72424.7 | 0.0 | U/P |
| 10.733 | 20.4576 | 0.0000 | 85.036 | 5.04093 | 0.00000 | 590956.7 | 72575.9 | 0.0 | U/P |
| 10.742 | 20.5027 | 0.0000 | 85.041 | 5.04325 | 0.00000 | 591571.1 | 72727.2 | 0.0 | U/P |
| 10.750 | 20.5455 | 0.0000 | 85.047 | 5.04558 | 0.00000 | 592186.8 | 72878.5 | 0.0 | U/P |
| 10.758 | 20.5859 | 0.0000 | 85.052 | 5.04791 | 0.00000 | 592803.8 | 73029.9 | 0.0 | U/P |
| 10.767 | 20.6234 | 0.0000 | 85.057 | 5.05024 | 0.00000 | 583421.9 | 73181.4 | 0.0 | U/P |
| 10.775 | 20.6578 | 0.0000 | 85.063 | 5.05258 | 0.00000 | 594041.1 | 73332.9 | 0.0 | U/P |
| 10.783 | 20.6892 | 0.0000 | 85.068 | 5.05493 | 0.00000 | 594661.3 | 73484.5 | 0.0 | U/P |
| 10.792 | 20.7181 | 0.0000 | 85.073 | 5.05727 | 0.00000 | 595282.4 | 73636.2 | 0.0 | U/P |
| 10.800 | 20.7447 | 0.0000 | 85.079 | 5.05962 | 0.00000 | 595904.4 | 73788.0 | 0.0 | U/P |
| 10.808 | 20.7697 | 0.0000 | 85.084 | 5.06198 | 0.00000 | 596527.1 | 73939.8 | 0.0 | U/P |
| 10.817 | 20.7930 | 0.0000 | 85.089 | 5.06433 | 0.00000 | 597150.6 | 74091.7 | 0.0 | U/P |
| 10.825 | 20.8148 | 0.0000 | 85.095 | 5.06669 | 0.00000 | 597774.7 | 74243.7 | 0.0 | U/P |
| 10.833 | 20.8353 | 0.0000 | 85.100 | 5.06904 | 0.00000 | 598399.4 | 74395.7 | 0.0 | U/P |
| 10.842 | 20.8545 | 0.0000 | 85.106 | 5.07140 | 0.00000 | 599024.8 | 74547.8 | 0.0 | U/P |
| 10.850 | 20.8725 | 0.0000 | 85.111 | 5.07377 | 0.00000 | 599650.7 | 74700.0 | 0.0 | U/P |
| 10.858 | 20.8894 | 0.0000 | 85.116 | 5.07613 | 0.00000 | 600277.1 | 74852.2 | 0.0 | U/P |
| 10.867 | 20.9052 | 0.0000 | 85.122 | 5.07849 | 0.00000 | 600904.0 | 75004.5 | 0.0 | U/P |
| 10.875 | 20.9199 | 0.0000 | 85.127 | 5.08086 | 0.00000 | 601531.4 | 75156.9 | 0.0 | U/P |
| 10.883 | 20.9336 | 0.0000 | 85.133 | 5.08322 | 0.00000 | 602159.2 | 75309.4 | 0.0 | U/P |
| 10.892 | 20.9463 | 0.0000 | 85.138 | 5.08559 | 0.00000 | 602787.4 | 75461.9 | 0.0 | U/P |
| 10.900 | 20.9582 | 0.0000 | 85.144 | 5.08795 | 0.00000 | 603415.9 | 75614.5 | 0.0 | U/P |
| 10.908 | 20.9691 | 0.0000 | 85.149 | 5.09032 | 0.00000 | 604044.9 | 75767.2 | 0.0 | U/P |
| 10.917 | 20.9793 | 0.0000 | 85.154 | 5.09269 | 0.00000 | 604674.1 | 75919.9 | 0.0 | U/P |
| 10.925 | 20.9888 | 0.0000 | 85.160 | 5.09505 | 0.00000 | 605303.6 | 76072.8 | 0.0 | U/P |
| 10.933 | 20.9977 | 0.0000 | 85.165 | 5.09742 | 0.00000 | 605933.4 | 76225.6 | 0.0 | U/P |
| 10.942 | 21.0060 | 0.0000 | 85.171 | 5.09979 | 0.00000 | 606563.4 | 76378.6 | 0.0 | U/P |
| 10.950 | 21.0137 | 0.0000 | 85.176 | 5.10215 | 0.00000 | 607193.8 | 76531.6 | 0.0 | U/P |
| 10.958 | 21.0210 | 0.0000 | 85.181 | 5.10452 | 0.00000 | 607824.3 | 76684.7 | 0.0 | U/P |
| 10.967 | 21.0277 | 0.0000 | 85.187 | 5.10689 | 0.00000 | 608455.0 | 76837.9 | 0.0 | U/P |
| 10.975 | 21.0340 | 0.0000 | 85.192 | 5.10925 | 0.00000 | 609085.9 | 76991.2 | 0.0 | U/P |
| 10.983 | 21.0399 | 0.0000 | 85.198 | 5.11162 | 0.00000 | 609717.1 | 77144.5 | 0.0 | U/P |
| 10.992 | 21.0454 | 0.0000 | 85.203 | 5.11398 | 0.00000 | 610348.3 | 77297.8 | 0.0 | U/P |
| 11.000 | 21.0466 | 0.0000 | 85.208 | 5.11635 | 0.00000 | 610979.7 | 77451.3 | 0.0 | U/P |
| 11.008 | 21.0433 | 0.0000 | 85.214 | 5.11871 | 0.00000 | 611611.1 | 77604.8 | 0.0 | U/P |
| 11.017 | 21.0300 | 0.0000 | 85.219 | 5.12107 | 0.00000 | 612242.1 | 77758.4 | 0.0 | U/P |
| 11.025 | 21.0064 | 0.0000 | 85.225 | 5.12343 | 0.00000 | 612872.7 | 77912.1 | 0.0 | U/P |
| 11.033 | 20.9696 | 0.0000 | 85.230 | 5.12578 | 0.00000 | 613502.3 | 78065.8 | 0.0 | U/P |
| 11.042 | 20.9189 | 0.0000 | 85.235 | 5.12812 | 0.00000 | 614130.7 | 78219.6 | 0.0 | U/P |
| 11.050 | 20.8502 | 0.0000 | 85.241 | 5.13046 | 0.00000 | 614757.2 | 78373.5 | 0.0 | U/P |
| 11.058 | 20.7626 | 0.0000 | 85.246 | 5.13278 | 0.00000 | 615381.4 | 78527.5 | 0.0 | U/P |
| 11.067 | 20.6506 | 0.0000 | 85.251 | 5.13509 | 0.00000 | 616002.6 | 78681.5 | 0.0 | U/P |
| 11.075 | 20.5135 | 0.0000 | 85.257 | 5.13738 | 0.00000 | 616620.1 | 78835.6 | 0.0 | U/P |
| 11.083 | 20.3472 | 0.0000 | 85.262 | 5.13965 | 0.00000 | 617232.9 | 78989.7 | 0.0 | U/P |
| 11.092 | 20.1515 | 0.0000 | 85.267 | 5.14190 | 0.00000 | 617840.4 | 79144.0 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 5100 yr / 24 hr

| Elapsed Time (hours) | Inflow Rate (f $\mathrm{f}^{3 / \mathrm{s}}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | infiltration Rate $\left(\mathrm{ft}^{3} / \mathrm{s}\right)$ | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume (ft ${ }^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 11.100 | 19.9301 | 0.0000 | 85.272 | 5.14411 | 0.00000 | 618441.7 | 79298.2 | 0.0 | U/P |
| 11.108 | 19.6834 | 0.0000 | 85.277 | 5.14629 | 0.00000 | 619035.9 | 79452.6 | 0.0 | U/P |
| 11.117 | 19.4180 | 0.0000 | 85.282 | 5.14843 | 0.00000 | 619622.4 | 79607.0 | 0.0 | U/P |
| 11.125 | 19.1345 | 0.0000 | 85.286 | 5.15054 | 0.00000 | 620200.7 | 79761.5 | 0.0 | U/P |
| 11.133 | 18.8396 | 0.0000 | 85.291 | 5.15260 | 0.00000 | 620770.3 | 79916.1 | 0.0 | U/P |
| 11.142 | 18.5341 | 0.0000 | 85.296 | 5.15461 | 0.00000 | 621330.9 | 80070.7 | 0.0 | U/P |
| 11.150 | 18.2246 | 0.0000 | 85.300 | 5.15658 | 0.00000 | 621882.3 | 80225.3 | 0.0 | U/P |
| 11.158 | 17.9120 | 0.0000 | 85.304 | 5.15850 | 0.00000 | 622424.3 | 80380.1 | 0.0 | U/P |
| 11.167 | 17.5991 | 0.0000 | 85.309 | 5. 16038 | 0.00000 | 622957.0 | 80534.8 | 0.0 | U/P |
| 11.175 | 17.2866 | 0.0000 | 85.313 | 5.16221 | 0.00000 | 623480.3 | 80689.7 | 0.0 | U/P |
| 11.183 | 16.9813 | 0.0000 | 85.317 | 5.16399 | 0.00000 | 623994.3 | 80844.6 | 0.0 | U/P |
| 11.192 | 16.6837 | 0.0000 | 85.321 | 5.16573 | 0.00000 | 624499.3 | 80999.5 | 0.0 | U/P |
| 11.200 | 16.3954 | 0.0000 | 85.325 | 5.16742 | 0.00000 | 624995.4 | 81154.5 | 0.0 | U/P |
| 11.208 | 16.1166 | 0.0000 | 85.328 | 5.16907 | 0.00000 | 625483.1 | 81309.6 | 0.0 | U/P |
| 11.217 | 15.8488 | 0.0000 | 85.332 | 5.17068 | 0.00000 | 625962.6 | 81464.7 | 0.0 | U/P |
| 11.225 | 15.5920 | 0.0000 | 85.335 | 5.17224 | 0.00000 | 626434.3 | 81619.8 | 0.0 | U/P |
| 11.233 | 15.3491 | 0.0000 | 85.339 | 5.17377 | 0.00000 | 626898.4 | 81775.0 | 0.0 | U/P |
| 11.242 | 15.1203 | 0.0000 | 85.342 | 5.17527 | 0.00000 | 627355.4 | 81930.2 | 0.0 | U/P |
| 11.250 | 14.9080 | 0.0000 | 85.346 | 5.17672 | 0.00000 | 627805.8 | 82085.5 | 0.0 | U/P |
| 11.258 | 14.7127 | 0.0000 | 85.349 | 5.17815 | 0.00000 | 628250.1 | 82240.8 | 0.0 | U/P |
| 11.267 | 14.5316 | 0.0000 | 85.352 | 5.17955 | 0.00000 | 628688.8 | 82396.2 | 0.0 | U/P |
| 11.275 | 14.3648 | 0.0000 | 85.355 | 5.18092 | 0.00000 | 629122.3 | 82551.6 | 0.0 | U/P |
| 11.283 | 14.2085 | 0.0000 | 85.358 | 5.18227 | 0.00000 | 629550.8 | 82707.1 | 0.0 | U/P |
| 11.292 | 14.0624 | 0.0000 | 85.361 | 5.18359 | 0.00000 | 629974.9 | 82862.5 | 0.0 | U/P |
| 11.300 | 13.9253 | 0.0000 | 85.364 | 5.18489 | 0.00000 | 630394.7 | 83018.1 | 0.0 | U/P |
| 11.308 | 13.7971 | 0.0000 | 85.367 | 5.18617 | 0.00000 | 630810.6 | 83173.6 | 0.0 | U/P |
| 11.317 | 13.6767 | 0.0000 | 85.370 | 5.18743 | 0.00000 | 631222.6 | 83329.2 | 0.0 | U/P |
| 11.325 | 13.5638 | 0.0000 | 85.373 | 5.18867 | 0.00000 | 631631.3 | 83484.9 | 0.0 | U/P |
| 11.333 | 13.4569 | 0.0000 | 85.375 | 5.18990 | 0.00000 | 632036.6 | 83640.6 | 0.0 | U/P |
| 11.342 | 13.3557 | 0.0000 | 85.378 | 5.19110 | 0.00000 | 632438.8 | 83796.3 | 0.0 | U/P |
| 11.350 | 13.2603 | 0.0000 | 85.381 | 5.19230 | 0.00000 | 632838.0 | 83952.0 | 0.0 | U/P |
| 11.358 | 13.1707 | 0.0000 | 85.384 | 5.19348 | 0.00000 | 633234.4 | 84107.8 | 0.0 | U/P |
| 11.367 | 13.0861 | 0.0000 | 85.386 | 5.19464 | 0.00000 | 633628.3 | 84263.6 | 0.0 | U/P |
| 11.375 | 13.0064 | 0.0000 | 85.389 | 5.19580 | 0.00000 | 634019.7 | 84419.5 | 0.0 | U/P |
| 11.383 | 12.9315 | 0.0000 | 85.391 | 5.19694 | 0.00000 | 634408.8 | 84575.4 | 0.0 | U/P |
| 11.392 | 12.8615 | 0.0000 | 85.394 | 5.19807 | 0.00000 | 634795.7 | 84731.3 | 0.0 | U/P |
| 11.400 | 12.7951 | 0.0000 | 85.397 | 5.19919 | 0.00000 | 635180.5 | 84887.3 | 0.0 | U/P |
| 11.408 | 12.7321 | 0.0000 | 85.399 | 5.20029 | 0.00000 | 635563.4 | 85043.3 | 0.0 | U/P |
| 11.417 | 12.6726 | 0.0000 | 85.402 | 5.20139 | 0.00000 | 635944.5 | 85199.3 | 0.0 | U/P |
| 11.425 | 12.6165 | 0.0000 | 85.404 | 5.20248 | 0.00000 | 636323.8 | 85355.3 | 0.0 | U/P |
| 11.433 | 12.5632 | 0.0000 | 85.407 | 5.20357 | 0.00000 | 636701.5 | 85511.4 | 0.0 | U/P |
| 11.442 | 12.5127 | 0.0000 | 85.409 | 5.20464 | 0.00000 | 637077.7 | 85667.6 | 0.0 | U/P |
| 11.450 | 12.4649 | 0.0000 | 85.411 | 5.20570 | 0.00000 | 637452.3 | 85823.7 | 0.0 | U/P |
| 11.458 | 12.4197 | 0.0000 | 85.414 | 5.20676 | 0.00000 | 637825.6 | 85979.9 | 0.0 | U/P |
| 41.467 | 12.3767 | 0.0000 | 85.416 | 5.20781 | 0.00000 | 638197.6 | 86136.1 | 0.0 | U/P |
| 11.475 | 12.3359 | 0.0000 | 85.419 | 5.20886 | 0.00000 | 638568.3 | 86292.4 | 0.0 | U/P |
| 11.483 | 12.2971 | 0.0000 | 85.421 | 5.20990 | 0.00000 | 638937.8 | 86448.6 | 0.0 | U/P |
| 11.492 | 12.2604 | 0.0000 | 85.423 | 5.21093 | 0.00000 | 639306.1 | 86605.0 | 0.0 | U/P |
| 11.500 | 12.2252 | 0.0000 | 85.426 | 5.21196 | 0.00000 | 639673.4 | 86761.3 | 0.0 | U/P |
| 11.508 | 12.1914 | 0.0000 | 85.428 | 5.21298 | 0.00000 | 640039.6 | 86917.7 | 0.0 | U/P |
| 11.517 | 12.1588 | 0.0000 | 85.430 | 5.21399 | 0.00000 | 640404.9 | 87074.1 | 0.0 | U/P |
| 11.525 | 12.1272 | 0.0000 | 85.433 | 5.21500 | 0.00000 | 640769.2 | 87230.5 | 0.0 | U/P |
| 11.533 | 12.0962 | 0.0000 | 85.435 | 5.21601 | 0.00000 | 641132.5 | 87387.0 | 0.0 | U/P |
| 11.542 | 12.0657 | 0.0000 | 85.437 | 5.21701 | 0.00000 | 641494.9 | 87543.5 | 0.0 | U/P |
| 11.550 | 12.0357 | 0.0000 | 85.439 | 5.21801 | 0.00000 | 641856.4 | 87700.0 | 0.0 | U/P |
| 11.558 | 12.0059 | 0.0000 | 85.442 | 5.21900 | 0.00000 | 642217.1 | 87856.6 | 0.0 | U/P |
| 11.567 | 11.9759 | 0.0000 | 85.444 | 5.21999 | 0.00000 | 642576.8 | 88013.1 | 0.0 | U/P |
| 11.575 | 11.9456 | 0.0000 | 85.446 | 5.22097 | 0.00000 | 642935.6 | 88169.8 | 0.0 | U/P |
| 11.583 | 11.9148 | 0.0000 | 85.448 | 5.22195 | 0.00000 | 643293.6 | 88326.4 | 0.0 | U/P |
| 11.592 | 11.8834 | 0.0000 | 85.451 | 5.22292 | 0.00000 | 643650.5 | 88483.1 | 0.0 | U/P |
| 11.600 | 11.8513 | 0.0000 | 85.453 | 5.22389 | 0.00000 | 644006.5 | 88639.8 | 0.0 | U/P |
| 11.608 | 11.8187 | 0.0000 | 85.455 | 5.22485 | 0.00000 | 644361.6 | 88796.5 | 0.0 | U/P |
| 11.617 | 11.7856 | 0.0000 | 85.457 | 5.22581 | 0.00000 | 644715.6 | 88953.3 | 0.0 | U/P |
| 11.625 | 11.7524 | 0.0000 | 85.459 | 5.22676 | 0.00000 | 645068.7 | 89110.1 | 0.0 | U/P |
| 11.633 | 11.7191 | 0.0000 | 85.462 | 5.22771 | 0.00000 | 645420.8 | 89266.9 | 0.0 | U/P |
| 11.642 | 11.6858 | 0.0000 | 85.464 | 5.22865 | 0.00000 | 645771.9 | 89423.7 | 0.0 | U/P |
| 11.650 | 11.6527 | 0.0000 | 85.466 | 5.22959 | 0.00000 | 646121.9 | 89580.6 | 0.0 | U/P |
| 11.658 | 11.6201 | 0.0000 | 85.468 | 5.23052 | 0.00000 | 646471.0 | 89737.5 | 0.0 | U/P |
| 11.667 | 11.5879 | 0.0000 | 85.470 | 5.23144 | 0.00000 | 646819.1 | 89894.4 | 0.0 | U/P |
| 11.675 | 11.5562 | 0.0000 | 85.472 | 5.23237 | 0.00000 | 647166.3 | 90051.4 | 0.0 | U/P |
| 11.683 | 11.5252 | 0.0000 | 85.474 | 5.23328 | 0.00000 | 647512.5 | 90208.4 | 0.0 | U/P |
| 11.692 | 11.4950 | 0.0000 | 85.476 | 5.23420 | 0.00000 | 647857.8 | 90365.4 | 0.0 | U/P |
| 11.700 | 11.4658 | 0.0000 | 85.478 | 5.23510 | 0.00000 | 648202.3 | 90522.4 | 0.0 | U/P |
| 11.708 | 11.4375 | 0.0000 | 85.481 | 5.23601 | 0.00000 | 648545.8 | 90679.5 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) $::$ Scenario $1::$ Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (fl datum) | infiltration Rate (f $\mathrm{f}^{3 / \mathrm{s}}$ ) | Overflow <br> Discharge (ft ${ }^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{t}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 11.717 | 11.4102 | 0.0000 | 85.483 | 5.23691 | 0.00000 | 648888.5 | 90836.6 | 0.0 | U/P |
| 11.725 | 11.3840 | 0.0000 | 85.485 | 5.23780 | 0.00000 | 649230.4 | 90993.7 | 0.0 | U/P |
| 11.733 | 11.3589 | 0.0000 | 85.487 | 5.23869 | 0.00000 | 649571.6 | 91150.8 | 0.0 | U/P |
| 11.742 | 11.3349 | 0.0000 | 85.489 | 5.23958 | 0.00000 | 649912.0 | 91308.0 | 0.0 | U/P |
| 11.750 | 11.3122 | 0.0000 | 85.491 | 5.24046 | 0.00000 | 650251.7 | 91465.2 | 0.0 | U/P |
| 11.758 | 11.2907 | 0.0000 | 85.493 | 5.24134 | 0.00000 | 650590.8 | 91622.4 | 0.0 | U/P |
| 11.767 | 11.2705 | 0.0000 | 85.495 | 5.24222 | 0.00000 | 650929.1 | 91779.7 | 0.0 | U/P |
| 11.775 | 11.2514 | 0.0000 | 85.497 | 5.24309 | 0.00000 | 651266.9 | 91937.0 | 0.0 | U/P |
| 11.783 | 11.2333 | 0.0000 | 85.499 | 5.24396 | 0.00000 | 651604.3 | 92094.3 | 0.0 | U/P |
| \$1.792 | 11.2162 | 0.0000 | 85.501 | 5.24483 | 0.00000 | 651941.0 | 92251.6 | 0.0 | U/P |
| 11.800 | 11.1999 | 0.0000 | 85.503 | 5.24569 | 0.00000 | 652277.2 | 92409.0 | 0.0 | U/P |
| 71.808 | 11.1844 | 0.0000 | 85.505 | 5.24655 | 0.00000 | 652613.0 | 92566.4 | 0.0 | U/P |
| 11.817 | 11.1697 | 0.0000 | 85.507 | 5.24741 | 0.00000 | 652948.3 | 92723.8 | 0.0 | U/P |
| 11.825 | 11.1558 | 0.0000 | 85.509 | 5.24827 | 0.00000 | 653283.2 | 92881.2 | 0.0 | U/P |
| 11.833 | 11.1424 | 0.0000 | 85.510 | 5.24912 | 0.00000 | 653617.6 | 93038.7 | 0.0 | U/P |
| 11.842 | 11.1295 | 0.0000 | 85.512 | 5.24997 | 0.00000 | 653951.8 | 93196.1 | 0.0 | U/P |
| 11.850 | 11.1170 | 0.0000 | 85.514 | 5.25082 | 0.00000 | 654285.4 | 93353.7 | 0.0 | U/P |
| 11.858 | 11.1051 | 0.0000 | 85.516 | 5.25167 | 0.00000 | 654618.8 | 93511.2 | 0.0 | U/P |
| 11.867 | 11.0936 | 0.0000 | 85,518 | 5.25252 | 0.00000 | 654951.8 | 93668.8 | 0.0 | U/P |
| 11.875 | 11.0826 | 0.0000 | 85.520 | 5.25336 | 0.00000 | 655284.4 | 93826.3 | 0.0 | U/P |
| 11.883 | 11.0719 | 0.0000 | 85.522 | 5.25420 | 0.00000 | 655616.7 | 93984.0 | 0.0 | U/P |
| 11.892 | 11.0617 | 0.0000 | 85.524 | 5.25504 | 0.00000 | 655948.7 | 94141.6 | 0.0 | U/P |
| 11.900 | 11.0519 | 0.0000 | 85.526 | 5.25588 | 0.00000 | 656280.4 | 94299.3 | 0.0 | U/P |
| 11.908 | 11.0424 | 0.0000 | 85.528 | 5.25672 | 0.00000 | 656611.8 | 94457.0 | 0.0 | U/P |
| 11.917 | 11.0332 | 0.0000 | 85.530 | 5.25755 | 0.00000 | 656942.9 | 94614.7 | 0.0 | U/P |
| 11.925 | 11.0243 | 0.0000 | 85.532 | 5.25839 | 0.00000 | 657273.8 | 94772.4 | 0.0 | U/P |
| 11.933 | 11.0158 | 0.0000 | 85.534 | 5.25922 | 0.00000 | 657604.4 | 94930.2 | 0.0 | U/P |
| 11.942 | 11.0075 | 0.0000 | 85.535 | 5.26005 | 0.00000 | 657934.8 | 95088.0 | 0.0 | U/P |
| 11.950 | 10.9995 | 0.0000 | 85.537 | 5.26088 | 0.00000 | 658264.9 | 95245.8 | 0.0 | U/P |
| 11.958 | 10.9917 | 0.0000 | 85.539 | 5.26171 | 0.00000 | 658594.8 | 95403.6 | 0.0 | U/P |
| 11.967 | 10.9843 | 0.0000 | 85.541 | 5.26253 | 0.00000 | 658924.4 | 95561.5 | 0.0 | U/P |
| 11.975 | 10.9770 | 0.0000 | 85.543 | 5.26336 | 0.00000 | 659253.8 | 95719.4 | 0.0 | U/P |
| 11.983 | 10.9700 | 0.0000 | 85.545 | 5.26418 | 0.00000 | 659583.0 | 95877.3 | 0.0 | U/P |
| 11.992 | 10.9632 | 0.0000 | 85.547 | 5.26500 | 0.00000 | 659912.0 | 96035.2 | 0.0 | U/P |
| 12.000 | 10.9566 | 0.0000 | 85.549 | 5.26583 | 0.00000 | 660240.8 | 96193.2 | 0.0 | U/P |
| 12.008 | 10.9504 | 0.0000 | 85.551 | 5.26665 | 0.00000 | 660569.4 | 96351.2 | 0.0 | U/P |
| 12.017 | 10.9447 | 0.0000 | 85.552 | 5.26747 | 0.00000 | 660897.8 | 96509.2 | 0.0 | U/P |
| 12.025 | 10.9396 | 0.0000 | 85.554 | 5.26828 | 0.00000 | 661226.1 | 96667.2 | 0.0 | U/P |
| 12.033 | 10.9353 | 0.0000 | 85.556 | 5.26910 | 0.00000 | 661554.2 | 96825.3 | 0.0 | U/P |
| 12.042 | 10.9319 | 0.0000 | 85.558 | 5.26992 | 0.00000 | 661882.2 | 96983.4 | 0.0 | U/P |
| 12.050 | 10.9294 | 0.0000 | 85.560 | 5.27073 | 0.00000 | 662210.1 | 97141.5 | 0.0 | U/P |
| 12.058 | 10.9280 | 0.0000 | 85.562 | 5.27155 | 0.00000 | 662538.0 | 97299.6 | 0.0 | U/P |
| 12.067 | 10.9277 | 0.0000 | 85.564 | 5.27236 | 0.00000 | 662865.8 | 97457.8 | 0.0 | U/P |
| 12.075 | 10.9289 | 0.0000 | 85.565 | 5.27317 | 0.00000 | 663193.7 | 97615.9 | 0.0 | U/P |
| 12.083 | 10.9316 | 0.0000 | 85.567 | 5.27399 | 0.00000 | 663521.6 | 97774.2 | 0.0 | U/P |
| 12.092 | 10.9360 | 0.0000 | 85.569 | 5.27480 | 0.00000 | 663849.6 | 97932.4 | 0.0 | U/P |
| 12.100 | 10.9421 | 0.0000 | 85.571 | 5.27562 | 0.00000 | 664177.8 | 98090.6 | 0.0 | U/P |
| 12.108 | 10.9497 | 0.0000 | 85.573 | 5.27643 | 0.00000 | 664506.1 | 98248.9 | 0.0 | U/P |
| 12.117 | 10.9587 | 0.0000 | 85.575 | 5.27725 | 0.00000 | 664834.8 | 98407.2 | 0.0 | U/P |
| 12.125 | 10.9689 | 0.0000 | 85.577 | 5.27807 | 0.00000 | 665163.7 | 98565.6 | 0.0 | U/P |
| 12.133 | 10.9801 | 0.0000 | 85.579 | 5.27888 | 0.00000 | 665492.9 | 98723.9 | 0.0 | U/P |
| 12.142 | 10.9920 | 0.0000 | 85.580 | 5.27970 | 0.00000 | 665822.5 | 98882.3 | 0.0 | U/P |
| 12.150 | 11.0046 | 0.0000 | 85.582 | 5.28052 | 0.00000 | 666152.4 | 99040.7 | 0.0 | U/P |
| 12.158 | 11.0175 | 0.0000 | 85.584 | 5.28135 | 0.00000 | 666482.8 | 99199.1 | 0.0 | U/P |
| 12.167 | 11.0306 | 0.0000 | 85.586 | 5.28217 | 0.00000 | 666813.5 | 99357.6 | 0.0 | U/P |
| 12.175 | 11.0438 | 0.0000 | 85.588 | 5.28300 | 0.00000 | 667144.6 | 99576.1 | 0.0 | U/P |
| 12.183 | 11.0571 | 0.0000 | 85.590 | 5.28382 | 0.00000 | 667476.1 | 99674.6 | 0.0 | U/P |
| 12.192 | 11.0701 | 0.0000 | 85.592 | 5.28465 | 0.00000 | 667808.1 | 99833.1 | 0.0 | U/P |
| 12.200 | 11.0827 | 0.0000 | 85.594 | 5.28548 | 0.00000 | 668140.3 | 99991.6 | 0.0 | U/P |
| 12.208 | 11.0950 | 0.0000 | 85.596 | 5.28632 | 0.00000 | 668473.0 | 100150.2 | 0.0 | U/P |
| 12.217 | 11.1068 | 0.0000 | 85.597 | 5.28715 | 0.00000 | 668806.1 | 100308.8 | 0.0 | U/P |
| 12.225 | 11.1180 | 0.0000 | 85.599 | 5.28799 | 0.00000 | 669139.4 | 100467.4 | 0.0 | U/P |
| 12.233 | 11.1288 | 0.0000 | 85.601 | 5.28882 | 0.00000 | 669473.1 | 100626.1 | 0.0 | U/P |
| 12.242 | 11.1389 | 0.0000 | 85.603 | 5.28966 | 0.00000 | 669807.1 | 100784.8 | 0.0 | U/P |
| \$2.250 | 11.1483 | 0.0000 | 85.605 | 5.29050 | 0.00000 | 670141.4 | 100943.5 | 0.0 | U/P |
| 12.258 | 11.1568 | 0.0000 | 85.607 | 5.29134 | 0.00000 | 670476.0 | 101102.2 | 0.0 | U/P |
| 12.267 | 11.1646 | 0.0000 | 85.609 | 5.29218 | 0.00000 | 670810.8 | 101260.9 | 0.0 | U/P |
| 12.275 | 11.1716 | 0.0000 | 85.611 | 5.29302 | 0.00000 | 671145.9 | 101419.7 | 0.0 | U/P |
| 12.283 | 11.1779 | 0.0000 | 85.613 | 5.29387 | 0.00000 | 671481.1 | 101578.5 | 0.0 | U/P |
| 12.292 | 11.1838 | 0.0000 | 85.615 | 5.29471 | 0.00000 | 671816.6 | 101737.4 | 0.0 | U/P |
| 12.300 | 11.1891 | 0.0000 | 85.617 | 5.29555 | 0.00000 | 672152.1 | 101896.2 | 0.0 | U/P |
| 12.308 | 11.1941 | 0.0000 | 85.619 | 5.29640 | 0.00000 | 672487.9 | 102055.1 | 0.0 | U/P |
| 12.317 | 11.1986 | 0.0000 | 85.621 | 5.29724 | 0.00000 | 672823.8 | 102214.0 | 0.0 | U/P |
| 12.325 | 11.2028 | 0.0000 | 85.622 | 5.29809 | 0.00000 | 673159.8 | 102372.9 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 5100 yr/24 hr

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overliow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{t}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 12.333 | 11.2066 | 0.0000 | 85.624 | 5.29893 | 0.00000 | 673495.9 | 102531.9 | 0.0 | U/P |
| 12.342 | 11.2102 | 0.0000 | 85.626 | 5.29978 | 0.00000 | 673832.2 | 102690.9 | 0.0 | U/P |
| 12.350 | 11.2135 | 0.0000 | 85.628 | 5.30063 | 0.00000 | 674168.6 | 102849.9 | 0.0 | U/P |
| 12.358 | 11.2166 | 0.0000 | 85.630 | 5.30147 | 0.00000 | 674505.0 | 103008.9 | 0.0 | U/P |
| 12.367 | 11.2194 | 0.0000 | 85.632 | 5.30232 | 0.00000 | 674841.5 | 103168.0 | 0.0 | U/P |
| 12.375 | 11.2220 | 0.0000 | 85.634 | 5.30317 | 0.00000 | 675178.1 | 103327.0 | 0.0 | U/P |
| 12.383 | 11.2243 | 0.0000 | 85.636 | 5,30401 | 0.00000 | 675514.8 | 103486.1 | 0.0 | U/P |
| 12.392 | 11.2265 | 0.0000 | 85.638 | 5.30486 | 0.00000 | 675851.6 | 103645.3 | 0.0 | U/P |
| 12.400 | 11.2285 | 0.0000 | 85.640 | 5,30571 | 0.00000 | 676188.4 | 103804.4 | 0.0 | U/P |
| 12.408 | 11.2303 | 0.0000 | 85.642 | 5.30656 | 0.00000 | 676525.3 | 103963.6 | 0.0 | U/P |
| 12.417 | 11.2320 | 0.0000 | 85.644 | 5.30740 | 0.00000 | 676862.3 | 104122.8 | 0.0 | U/P |
| 12.425 | 11.2335 | 0.0000 | 85.646 | 5.30825 | 0.00000 | 677199.3 | 104282.1 | 0.0 | U/P |
| 12.433 | 11.2349 | 0.0000 | 85.648 | 5.30910 | 0.00000 | 677536.3 | 104441.3 | 0.0 | U/P |
| 12.442 | 11.2362 | 0.0000 | 85.650 | 5.30994 | 0.00000 | 677873.3 | 104600.6 | 0.0 | U/P |
| 12.450 | 11.2374 | 0.0000 | 85.652 | 5.31079 | 0.00000 | 678210.4 | 104759.9 | 0.0 | U/P |
| 12.458 | 11.2384 | 0.0000 | 85.653 | 5.31164 | 0.00000 | 678547.6 | 104919.3 | 0.0 | U/P |
| 12.467 | 11.2394 | 0.0000 | 85.655 | 5.31248 | 0.00000 | 678884.8 | 105078.6 | 0.0 | U/P |
| 12.475 | 11.2403 | 0.0000 | 85.657 | 5.31333 | 0.00000 | 679221.9 | 105238.0 | 0.0 | U/P |
| 12.483 | 11.2411 | 0.0000 | 85.659 | 5.31418 | 0.00000 | 679559.1 | 105397.4 | 0.0 | U/P |
| 12.492 | 11.2419 | 0.0000 | 85.661 | 5.31502 | 0.00000 | 679896.4 | 105556.9 | 0.0 | U/P |
| 12.500 | 11.2425 | 0.0000 | 85.663 | 5.31587 | 0.00000 | 680233.6 | 105716.3 | 0.0 | U/P |
| 12.508 | 11.2430 | 0.0000 | 85.665 | 5.31672 | 0.00000 | 680570.9 | 105875.8 | 0.0 | U/P |
| 12.517 | 11.2433 | 0.0000 | 85.667 | 5.31756 | 0.00000 | 680908.3 | 106035.3 | 0.0 | U/P |
| 12.525 | 11.2430 | 0.0000 | 85.669 | 5.31841 | 0.00000 | 681245.5 | 106194.9 | 0.0 | U/P |
| 12.533 | 11.2422 | 0.0000 | 85.671 | 5.31925 | 0.00000 | 681582.8 | 106354.4 | 0.0 | U/P |
| 12.542 | 11.2407 | 0.0000 | 85.673 | 5.32010 | 0.00000 | 681920.1 | 106514.0 | 0.0 | U/P |
| 12.550 | 11.2384 | 0.0000 | 85.675 | 5.32094 | 0.00000 | 682257.3 | 106673.6 | 0.0 | U/P |
| 12.558 | 11.2353 | 0.0000 | 85.677 | 5.32179 | 0.00000 | 682594.3 | 106833.3 | 0.0 | U/P |
| 12.567 | 11.2311 | 0.0000 | 85.679 | 5.32263 | 0.00000 | 682931.3 | 106992.9 | 0.0 | U/P |
| 12.575 | 11.2257 | 0.0000 | 85.681 | 5.32347 | 0.00000 | 683268.2 | 107152.6 | 0.0 | U/P |
| 12.583 | 11.2190 | 0.0000 | 85.682 | 5.32431 | 0.00000 | 683604.9 | 107312.3 | 0.0 | U/P |
| 12.592 | 11.2108 | 0.0000 | 85.684 | 5.32515 | 0.00000 | 683941.3 | 107472.1 | 0.0 | U/P |
| 12.600 | 11.2010 | 0.0000 | 85.686 | 5.32599 | 0.00000 | 684277.5 | 107631.9 | 0.0 | U/P |
| 12.608 | 11.1896 | 0.0000 | 85.688 | 5.32683 | 0.00000 | 684613.3 | 107791.6 | 0.0 | U/P |
| 12.617 | 11.1770 | 0.0000 | 85.690 | 5.32766 | 0.00000 | 684948.8 | 107951.5 | 0.0 | U/P |
| 12.625 | 11.1631 | 0.0000 | 85.692 | 5.32850 | 0.00000 | 685283.9 | 108111.3 | 0.0 | U/P |
| 12.633 | 11.1483 | 0.0000 | 85.694 | 5.32933 | 0.00000 | 685618.6 | 108271.2 | 0.0 | U/P |
| 12.642 | 11.1326 | 0.0000 | 85.696 | 5.33016 | 0.00000 | 685952.8 | 108431.1 | 0.0 | U/P |
| 12.650 | 11.1164 | 0.0000 | 85.698 | 5.33098 | 0.00000 | 686286.6 | 108591.0 | 0.0 | U/P |
| 12.658 | 11.0998 | 0.0000 | 85.700 | 5.33181 | 0.00000 | 686619.8 | 108750.9 | 0.0 | U/P |
| 12.667 | 11.0830 | 0.0000 | 85.701 | 5.33263 | 0.00000 | 686952.6 | 108910.9 | 0.0 | U/P |
| 12.675 | 11.0662 | 0.0000 | 85.703 | 5.33345 | 0.00000 | 687284.8 | 109070.9 | 0.0 | U/P |
| 12.683 | 11.0493 | 0.0000 | 85.705 | 5.33426 | 0.00000 | 687616.5 | 109230.9 | 0.0 | U/P |
| 12.692 | 11.0326 | 0.0000 | 85.707 | 5.33507 | 0.00000 | 687947.8 | 109390.9 | 0.0 | U/P |
| 12.700 | 11.0164 | 0.0000 | 85.709 | 5.33589 | 0.00000 | 688278.5 | 109551.0 | 0.0 | U/P |
| 12.708 | 11.0006 | 0.0000 | 85.711 | 5.33669 | 0.00000 | 688608.8 | 109711.1 | 0.0 | U/P |
| 12.717 | 10.9853 | 0.0000 | 85.713 | 5.33750 | 0.00000 | 688938.5 | 109871.2 | 0.0 | U/P |
| \$2.725 | 10.9706 | 0.0000 | 85.714 | 5.33830 | 0.00000 | 689267.9 | 110031.3 | 0.0 | U/P |
| 12.733 | 10.9564 | 0.0000 | 85.716 | 5.33910 | 0.00000 | 689596.8 | 110191.5 | 0.0 | U/P |
| 12.742 | 10.9429 | 0.0000 | 85.718 | 5.33990 | 0.00000 | 689925.3 | 110351.7 | 0.0 | U/P |
| 12.750 | 10.9302 | 0.0000 | 85.720 | 5.34070 | 0.00000 | 690253.4 | 110511.9 | 0.0 | U/P |
| 12.758 | 10.9183 | 0.0000 | 85.722 | 5.34149 | 0.00000 | 690581.1 | 110672.1 | 0.0 | U/P |
| 12.767 | 10.9073 | 0.0000 | 85.724 | 5.34228 | 0.00000 | 690908.4 | 110832.4 | 0.0 | U/P |
| 12.775 | 10.8972 | 0.0000 | 85.725 | 5.34307 | 0.00000 | 691235.5 | 110992.7 | 0.0 | U/P |
| 12.783 | 10.8878 | 0.0000 | 85.727 | 5.34386 | 0.00000 | 691562.3 | 111153.0 | 0.0 | U/P |
| 12.792 | 10.8790 | 0.0000 | 85.729 | 5.34465 | 0.00000 | 691888.8 | 111313.3 | 0.0 | U/P |
| 12.800 | 10.8708 | 0.0000 | 85.731 | 5.34544 | 0.00000 | 692215.1 | 111473.6 | 0.0 | U/P |
| 12.808 | 10.8631 | 0.0000 | 85.733 | 5.34622 | 0.00000 | 692541.1 | 111634.0 | 0.0 | U/P |
| 12.817 | 10.8559 | 0.0000 | 85.734 | 5.34700 | 0.00000 | 692866.9 | 111794.4 | 0.0 | U/P |
| 12.825 | 10.8491 | 0.0000 | 85.736 | 5.34779 | 0.00000 | 693192.4 | 111954.8 | 0.0 | U/P |
| 12.833 | 10.8427 | 0.0000 | 85.738 | 5.34857 | 0.00000 | 693517.8 | 112115.3 | 0.0 | U/P |
| 12.842 | 10.8367 | 0.0000 | 85.740 | 5.34935 | 0.00000 | 693843.0 | 112275.8 | 0.0 | U/P |
| 12.850 | 10.8310 | 0.0000 | 85.741 | 5.35012 | 0.00000 | 694168.0 | 112436.3 | 0.0 | U/P |
| 12.858 | 10.8256 | 0.0000 | 85.743 | 5.35090 | 0.00000 | 694492.9 | 112596.8 | 0.0 | U/P |
| 12.867 | 10.8205 | 0.0000 | 85.745 | 5.35168 | 0.00000 | 694817.6 | 112757.3 | 0.0 | U/P |
| 12.875 | 10.8156 | 0.0000 | 85.747 | 5.35245 | 0.00000 | 695142.1 | 112917.9 | 0.0 | U/P |
| 12.883 | 10.8111 | 0.0000 | 85.749 | 5.35323 | 0.00000 | 695466.5 | 113078.5 | 0.0 | U/P |
| 12.892 | 10.8068 | 0.0000 | 85.750 | 5.35400 | 0.00000 | 695790.8 | 113239.1 | 0.0 | U/P |
| 12.900 | 10,8027 | 0.0000 | 85.752 | 5.35478 | 0.00000 | 696114.9 | 113399.7 | 0.0 | U/P |
| 12.908 | 10.7989 | 0.0000 | 85.754 | 5.35555 | 0.00000 | 696438.9 | 113560.4 | 0.0 | U/P |
| 12.917 | 10.7952 | 0.0000 | 85.756 | 5.35632 | 0.00000 | 696762.8 | 113721.0 | 0.0 | U/P |
| 12.925 | 10.7918 | 0.0000 | 85.757 | 5.35709 | 0.00000 | 697086.6 | 113881.7 | 0.0 | U/P |
| 12.933 | 10.7885 | 0.0000 | 85.759 | 5.35786 | 0.00000 | 697410.3 | 114042.5 | 0.0 | U/P |
| 12.942 | 10.7854 | 0.0000 | 85.761 | 5.35863 | 0.00000 | 697733.9 | 114203.2 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Infiow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overfiow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 12.950 | 10.7824 | 0.0000 | 85.763 | 5.35940 | 0.00000 | 698057.4 | 114364.0 | 0.0 | U/P |
| 12.958 | 10.7796 | 0.0000 | 85.764 | 5.36017 | 0.00000 | 698380.9 | 114524.8 | 0.0 | U/P |
| 12.967 | 10.7769 | 0.0000 | 85.766 | 5.36093 | 0.00000 | 698704.3 | 114685.6 | 0.0 | U/P |
| 12.975 | 10.7743 | 0.0000 | 85.768 | 5.36170 | 0.00000 | 699027.5 | 114846.4 | 0.0 | U/P |
| 12.983 | 10.7719 | 0.0000 | 85.770 | 5.36246 | 0.00000 | 699350.7 | 115007.3 | 0.0 | U/P |
| 12.992 | 10.7690 | 0.0000 | 85.771 | 5.36323 | 0.00000 | 699673.8 | 115168.2 | 0.0 | U/P |
| 13.000 | 10.7674 | 0.0000 | 85.773 | 5.36400 | 0.00000 | 699996.9 | 115329.1 | 0.0 | U/P |
| 13.008 | 10.7652 | 0.0000 | 85.775 | 5.36476 | 0.00000 | 700319.9 | 115490.0 | 0.0 | U/P |
| 13.017 | 10.7615 | 0.0000 | 85.777 | 5.36552 | 0.00000 | 700642.8 | 115651.0 | 0.0 | U/P |
| 13.025 | 10.7562 | 0.0000 | 85.778 | 5.36629 | 0.00000 | 700965.5 | 115811.9 | 0.0 | U/P |
| 13.033 | 10.7472 | 0.0000 | 85.780 | 5.36705 | 0.00000 | 701288.1 | 115972.9 | 0.0 | U/P |
| 13.042 | 10.7344 | 0.0000 | 85.782 | 5.36781 | 0.00000 | 701610.3 | 116134.0 | 0.0 | U/P |
| 13.050 | 10.7166 | 0.0000 | 85.784 | 5.36857 | 0.00000 | 701932.1 | 116295.0 | 0.0 | U/P |
| 13.058 | 10.6937 | 0.0000 | 85.785 | 5.36932 | 0.00000 | 702253.3 | 116456.1 | 0.0 | U/P |
| 13.067 | 10.6641 | 0.0000 | 85.787 | 5.37008 | 0.00000 | 702573.6 | 116617.2 | 0.0 | U/P |
| 13.075 | 10.6275 | 0.0000 | 85.789 | 5.37082 | 0.00000 | 702892.9 | 116778.3 | 0.0 | U/P |
| 13.083 | 10.5817 | 0.0000 | 85.790 | 5.37157 | 0.00000 | 703211.1 | 116939.4 | 0.0 | U/P |
| 13.092 | 10.5265 | 0.0000 | 85.792 | 5.37230 | 0.00000 | 703527.8 | \$17100.6 | 0.0 | U/P |
| 13.100 | 10.4604 | 0.0000 | 85.794 | 5.37303 | 0.00000 | 703842.5 | 117261.8 | 0.0 | U/P |
| 13.108 | 10.3834 | 0.0000 | 85.795 | 5.37375 | 0.00000 | 704155.2 | 117423.0 | 0.0 | U/P |
| 13.117 | 10.2969 | 0.0000 | 85.797 | 5.37446 | 0.00000 | 704465.4 | 117584.2 | 0.0 | U/P |
| 13.125 | 10.2012 | 0.0000 | 85.799 | 5.37515 | 0.00000 | 704772.9 | 117745.4 | 0.0 | U/P |
| 13.133 | 10.0987 | 0.0000 | 85.800 | 5.37583 | 0.00000 | 705077.4 | 117906.7 | 0.0 | U/P |
| 13.142 | 9.9896 | 0.0000 | 85.802 | 5.37650 | 0.00000 | 705378.7 | 118068.0 | 0.0 | U/P |
| 13.150 | 9.8766 | 0.0000 | 85.803 | 5.37715 | 0.00000 | 705676.7 | 118229.3 | 0.0 | U/P |
| 13.158 | 9.7598 | 0.0000 | 85.805 | 5.37778 | 0.00000 | 705971.2 | 118390.6 | 0.0 | U/P |
| 13.167 | 9.6418 | 0.0000 | 85.806 | 5.37840 | 0.00000 | 706262.3 | 118551.9 | 0.0 | U/P |
| 13.175 | 9.5227 | 0.0000 | 85.807 | 5.37900 | 0.00000 | 706549.7 | 118713.3 | 0.0 | U/P |
| 13.183 | 9.4038 | 0.0000 | 85.809 | 5.37959 | 0.00000 | 706833.6 | 118874.7 | 0.0 | U/P |
| 13.192 | 9.2852 | 0.0000 | 85.810 | 5.38016 | 0.00000 | 707113.9 | 119036.1 | 0.0 | U/P |
| 13.200 | 9.1695 | 0.0000 | 85.811 | 5.38071 | 0.00000 | 707390.8 | 119197.5 | 0.0 | U/P |
| 13.208 | 9.0569 | 0.0000 | 85.812 | 5.38124 | 0.00000 | 707664.2 | 119358.9 | 0.0 | U/P |
| 13.217 | 8.9478 | 0.0000 | 85.814 | 5.38176 | 0.00000 | 707934.3 | 119520.4 | 0.0 | U/P |
| 13.225 | 8.8424 | 0.0000 | 85.815 | 5.38226 | 0.00000 | 708201.1 | 119681.8 | 0.0 | U/P |
| 13.233 | 8.7412 | 0.0000 | 85.816 | 5.38275 | 0.00000 | 708464.8 | 119843.3 | 0.0 | U/P |
| 13.242 | 8,6443 | 0.0000 | 85.817 | 5.38322 | 0.00000 | 708725.6 | 120004.8 | 0.0 | U/P |
| 13.250 | 8.5528 | 0.0000 | 85.818 | 5.38368 | 0.00000 | 708983.6 | 120166.3 | 0.0 | U/P |
| 13.258 | 8.4666 | 0.0000 | 85.819 | 5.38413 | 0.00000 | 709238.9 | 120327.8 | 0.0 | U/P |
| 13.267 | 8.3869 | 0.0000 | 85.820 | 5.38457 | 0.00000 | 709491.7 | 120489.3 | 0.0 | U/P |
| 13.275 | 8.3135 | 0.0000 | 85.821 | 5.38499 | 0.00000 | 709742.2 | 120650.9 | 0.0 | U/P |
| 13.283 | 8.2456 | 0.0000 | 85.822 | 5.38540 | 0.00000 | 709990.6 | 120812.4 | 0.0 | U/P |
| 13.292 | 8.1831 | 0.0000 | 85.823 | 5.38581 | 0.00000 | 710237.0 | 420974.0 | 0.0 | U/P |
| 13.300 | 8.1244 | 0.0000 | 85.824 | 5.38620 | 0.00000 | 710481.6 | 121135.6 | 0.0 | U/P |
| 13.308 | 8.0696 | 0.0000 | 85.824 | 5.38659 | 0.00000 | 710724.5 | 121297.2 | 0.0 | U/P |
| 13.317 | 8.0182 | 0.0000 | 85.825 | 5.38696 | 0.00000 | 710965.8 | 121458.8 | 0.0 | U/P |
| 13.325 | 7.9702 | 0.0000 | 85.826 | 5.38733 | 0.00000 | 711205.6 | 121620.4 | 0.0 | U/P |
| 13.333 | 7.9250 | 0.0000 | 85.827 | 5.38770 | 0.00000 | 711444.1 | 121782.0 | 0.0 | U/P |
| 13.342 | 7.8826 | 0.0000 | 85.828 | 5.38806 | 0.00000 | 711681.2 | 121943.7 | 0.0 | U/P |
| 13.350 | 7.8424 | 0.0000 | 85.829 | 5.38841 | 0.00000 | 711917.1 | 122105.3 | 0.0 | U/P |
| 13.358 | 7.8043 | 0.0000 | 85.829 | 5.38875 | 0.00000 | 712151.8 | 122267.0 | 0.0 | U/P |
| 13.367 | 7.7684 | 0.0000 | 85.830 | 5.38909 | 0.00000 | 712385.4 | 122428.6 | 0.0 | U/P |
| 13.375 | 7.7346 | 0.0000 | 85.831 | 5.38943 | 0.00000 | 712617.9 | 122590.3 | 0.0 | U/P |
| 13.383 | 7.7027 | 0.0000 | 85.832 | 5.38976 | 0.00000 | 712849.4 | 122752.0 | 0.0 | U/P |
| 13.392 | 7.6725 | 0.0000 | 85.832 | 5.39009 | 0.00000 | 713080.1 | 122913.7 | 0.0 | U/P |
| 13.400 | 7.6442 | 0.0000 | 85.833 | 5.39041 | 0.00000 | 713309.8 | 123075.4 | 0.0 | U/P |
| 13.408 | 7.6176 | 0.0000 | 85.834 | 5.39072 | 0.00000 | 713538.8 | 123237.1 | 0.0 | U/P |
| 13.417 | 7.5923 | 0.0000 | 85.835 | 5.39104 | 0.00000 | 713766.9 | 123398.9 | 0.0 | U/P |
| 13.425 | 7.5682 | 0.0000 | 85.835 | 5.39135 | 0.00000 | 713994.3 | 123560.6 | 0.0 | U/P |
| 13.433 | 7.5455 | 0.0000 | 85.836 | 5.39165 | 0.00000 | 714221.0 | 123722.3 | 0.0 | U/P |
| 13.442 | 7.5240 | 0.0000 | 85.837 | 5.39196 | 0.00000 | 714447.1 | 123884.1 | 0.0 | U/P |
| 13.450 | 7.5035 | 0.0000 | 85.837 | 5.39226 | 0.00000 | 714672.5 | 124045.9 | 0.0 | U/P |
| 13.458 | 7.4839 | 0.0000 | 85.838 | 5.39255 | 0.00000 | 714897.3 | 124207.6 | 0.0 | U/P |
| 13.467 | 7.4654 | 0.0000 | 85.839 | 5.39285 | 0.00000 | 715121.6 | 124369.4 | 0.0 | U/P |
| 13.475 | 7.4479 | 0.0000 | 85.839 | 5.39314 | 0.00000 | 715345.3 | 124531.2 | 0.0 | U/P |
| 13.483 | 7.4311 | 0.0000 | 85.840 | 5.39343 | 0.00000 | 715568.4 | 124693.0 | 0.0 | U/P |
| 13.492 | 7.4151 | 0.0000 | 85.841 | 5.39372 | 0.00000 | 715791.1 | 124854.8 | 0.0 | U/P |
| 13.500 | 7.3998 | 0.0000 | 85.841 | 5.39400 | 0.00000 | 716013.3 | 125016.6 | 0.0 | U/P |
| 13.508 | 7.3853 | 0.0000 | 85.842 | 5.39428 | 0.00000 | 716235.1 | 125178.4 | 0.0 | U/P |
| 13.517 | 7.3714 | 0.0000 | 85.843 | 5.39456 | 0.00000 | 716456.4 | 125340.3 | 0.0 | U/P |
| 13.525 | 7.3580 | 0.0000 | 85.843 | 5.39484 | 0.00000 | 716677.4 | 125502.1 | 0.0 | U/P |
| 13.533 | 7.3450 | 0.0000 | 85.844 | 5.39512 | 0.00000 | 716897.9 | 125664.0 | 0.0 | U/P |
| 13.542 | 7.3324 | 0.0000 | 85.844 | 5.39539 | 0.00000 | 717118.1 | 125825.8 | 0.0 | U/P |
| 13.550 | 7.3202 | 0.0000 | 85.845 | 5.39566 | 0.00000 | 717337.9 | 125987.7 | 0.0 | U/P |
| 13.558 | 7.3082 | 0.0000 | 85.846 | 5.39594 | 0.00000 | 717557.3 | 126149.6 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ftiday) | Stage Elevation (ft datum) | Infiltration Rate ( f / $/ \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume $\left(\mathrm{ft}^{3}\right)$ | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 13.567 | 7.2964 | 0.0000 | 85.846 | 5.39620 | 0.00000 | 717776.4 | 126311.4 | 0.0 | U/P |
| 13.575 | 7.2849 | 0.0000 | 85.847 | 5.39647 | 0.00000 | 717995.1 | 126473.3 | 0.0 | U/P |
| 13.583 | 7.2734 | 0.0000 | 85.847 | 5.39674 | 0.00000 | 718213.5 | 126635.2 | 0.0 | U/P |
| 13.592 | 7.2619 | 0.0000 | 85.848 | 5.39700 | 0.00000 | 718431.5 | 126797.1 | 0.0 | U/P |
| 13.600 | 7.2505 | 0.0000 | 85.849 | 5.39726 | 0.00000 | 718649.2 | 126959.0 | 0.0 | U/P |
| 13.608 | 7.2390 | 0.0000 | 85.849 | 5.39752 | 0.00000 | 718866.6 | 127121.0 | 0.0 | U/P |
| 13.617 | 7.2274 | 0.0000 | 85.850 | 5.39778 | 0.00000 | 719083.6 | 127282.9 | 0.0 | U/P |
| 13.625 | 7.2158 | 0.0000 | 85.850 | 5.39804 | 0.00000 | 719300.2 | 127444.8 | 0.0 | U/P |
| 13.633 | 7.2042 | 0.0000 | 85.851 | 5.39829 | 0.00000 | 719516.5 | 127606.8 | 0.0 | U/P |
| 13.642 | 7.1927 | 0.0000 | 85.852 | 5.39855 | 0.00000 | 719732.4 | 127768.7 | 0.0 | U/P |
| 13.650 | 7.1812 | 0.0000 | 85.852 | 5.39880 | 0.00000 | 719948.1 | 127930.7 | 0.0 | U/P |
| 13.658 | 7.1697 | 0.0000 | 85.853 | 5.39905 | 0.00000 | 720163.3 | 128092.7 | 0.0 | U/P |
| 13.667 | 7.1585 | 0.0000 | 85.853 | 5.39930 | 0.00000 | 720378.3 | 128254.6 | 0.0 | U/P |
| 13.675 | 7.1474 | 0.0000 | 85.854 | 5.39955 | 0.00000 | 720592.8 | 128416.6 | 0.0 | U/P |
| 13.683 | 7.1365 | 0.0000 | 85.854 | 5.39979 | 0.00000 | 720807.1 | 128578.6 | 0.0 | U/P |
| 13.692 | 7.1257 | 0.0000 | 85.855 | 5.40004 | 0.00000 | 721021.0 | 128740.6 | 0.0 | U/P |
| 13.700 | 7.1152 | 0.0000 | 85.856 | 5.40028 | 0.00000 | 721234.6 | 128902.6 | 0.0 | U/P |
| 13.708 | 7.1050 | 0.0000 | 85.856 | 5.40052 | 0.00000 | 721447.9 | 129064.6 | 0.0 | U/P |
| 13.717 | 7.0950 | 0.0000 | 85.857 | 5.40076 | 0.00000 | 721660.9 | 129226.6 | 0.0 | U/P |
| 13.725 | 7.0854 | 0.0000 | 85.857 | 5.40100 | 0.00000 | 721873.6 | 129388.7 | 0.0 | U/P |
| 13.733 | 7.0760 | 0.0000 | 85.858 | 5.40124 | 0.00000 | 722086.1 | 129550.7 | 0.0 | U/P |
| 13.742 | 7.0670 | 0.0000 | 85.858 | 5.40147 | 0.00000 | 722298.2 | 129712.7 | 0.0 | U/P |
| 13.750 | 7.0583 | 0.0000 | 85.859 | 5.40170 | 0.00000 | 722510.1 | 129874.8 | 0.0 | U/P |
| 13.758 | 7.0499 | 0.0000 | 85.859 | 5.40194 | 0.00000 | 722721.7 | 130036.9 | 0.0 | U/P |
| 13.767 | 7.0419 | 0.0000 | 85.860 | 5.40217 | 0.00000 | 722933.1 | 130198.9 | 0.0 | U/P |
| 13.775 | 7.0342 | 0.0000 | 85.860 | 5.40240 | 0.00000 | 723144.3 | 130361.0 | 0.0 | U/P |
| 13.783 | 7.0269 | 0.0000 | 85.861 | 5.40263 | 0.00000 | 723355.1 | \$30523.1 | 0.0 | U/P |
| 13.792 | 7.0200 | 0.0000 | 85.861 | 5.40286 | 0.00000 | 723565.8 | 130685.1 | 0.0 | U/P |
| 13.800 | 7.0133 | 0.0000 | 85.862 | 5.40308 | 0.00000 | 723776.3 | 130847.2 | 0.0 | U/P |
| 13.808 | 7.0069 | 0.0000 | 85.862 | 5.40331 | 0.00000 | 723986.6 | 131009.3 | 0.0 | U/P |
| 13.817 | 7.0008 | 0.0000 | 85.863 | 5.40354 | 0.00000 | 724196.8 | 131171.4 | 0.0 | U/P |
| 13.825 | 6.9949 | 0.0000 | 85.864 | 5.40376 | 0.00000 | 724406.7 | 131333.5 | 0.0 | U/P |
| 13.833 | 6.9892 | 0.0000 | 85.864 | 5.40398 | 0.00000 | 724616.4 | 131495.7 | 0.0 | U/P |
| 13.842 | 6.9838 | 0.0000 | 85.865 | 5.40421 | 0.00000 | 724826.1 | 131657.8 | 0.0 | U/P |
| 13.850 | 6.9785 | 0.0000 | 85.865 | 5.40443 | 0.00000 | 725035.5 | 131819.9 | 0.0 | U/P |
| 13.858 | 6.9734 | 0.0000 | 85.866 | 5.40465 | 0.00000 | 725244.8 | 131982.0 | 0.0 | U/P |
| 13.867 | 6.9684 | 0.0000 | 85.866 | 5.40487 | 0.00000 | 725453.9 | 132144.2 | 0.0 | U/P |
| 13.875 | 6.9635 | 0.0000 | 85.867 | 5.40509 | 0.00000 | 725662.9 | 132306.3 | 0.0 | U/P |
| \$3.883 | 6.9588 | 0.0000 | 85.867 | 5.40531 | 0.00000 | 725871.7 | 132468.5 | 0.0 | U/P |
| \$3.892 | 6.9543 | 0.0000 | 85.868 | 5.40553 | 0.00000 | 726080.4 | 132630.7 | 0.0 | U/P |
| 13.900 | 6.9498 | 0.0000 | 85.868 | 5.40574 | 0.00000 | 726288.9 | 132792.8 | 0.0 | U/P |
| 13.908 | 6.9455 | 0.0000 | 85.869 | 5.40596 | 0.00000 | 726497.4 | 132955.0 | 0.0 | U/P |
| 13.917 | 6.9413 | 0.0000 | 85.869 | 5.40618 | 0.00000 | 726705.7 | 133117.2 | 0.0 | U/P |
| 13.925 | 6.9372 | 0.0000 | 85.870 | 5.40639 | 0.00000 | 726913.9 | 133279.4 | 0.0 | U/P |
| 13.933 | 6.9332 | 0.0000 | 85.870 | 5.40661 | 0.00000 | 727121.9 | 133441.6 | 0.0 | U/P |
| 13.942 | 6.9293 | 0.0000 | 85.870 | 5.40682 | 0.00000 | 727329.9 | 133603.8 | 0.0 | U/P |
| 13.950 | 6.9255 | 0.0000 | 85.871 | 5.40703 | 0.00000 | 727537.7 | 133766.0 | 0.0 | U/P |
| 13.958 | 6.9217 | 0.0000 | 85.871 | 5.40725 | 0.00000 | 727745.4 | 133928.2 | 0.0 | U/P |
| 13.967 | 6.9181 | 0.0000 | 85.872 | 5.40746 | 0.00000 | 727953.0 | 134090.4 | 0.0 | U/P |
| 13.975 | 6.9146 | 0.0000 | 85.872 | 5.40767 | 0.00000 | 728160.5 | 134252.6 | 0.0 | U/P |
| 13.983 | 6.9111 | 0.0000 | 85.873 | 5.40788 | 0.00000 | 728367.9 | 134414.9 | 0.0 | U/P |
| 13.992 | 6.9077 | 0.0000 | 85.873 | 5.40809 | 0.00000 | 728575.1 | 134577.1 | 0.0 | U/P |
| 14.000 | 6.9023 | 0.0000 | 85.874 | 5.40831 | 0.00000 | 728782.3 | 134739.3 | 0.0 | U/P |
| 14.008 | 6.8947 | 0.0000 | 85.874 | 5.40851 | 0.00000 | 728989.3 | 134901.6 | 0.0 | U/P |
| 14.017 | 6.8821 | 0.0000 | 85.875 | 5.40872 | 0.00000 | 729195.9 | 135063.9 | 0.0 | U/P |
| 14.025 | 6.8643 | 0.0000 | 85.875 | 5.40893 | 0.00000 | 729402.1 | 135226.1 | 0.0 | U/P |
| 14.033 | 6.8397 | 0.0000 | 85.876 | 5.40913 | 0.00000 | 729607.6 | 135388.4 | 0.0 | U/P |
| 14.042 | 6.8083 | 0.0000 | 85.876 | 5.40933 | 0.00000 | 729812.4 | 135550.7 | 0.0 | U/P |
| 14.050 | 6.7677 | 0.0000 | 85.877 | 5.40953 | 0.00000 | 730016.0 | 135713.0 | 0.0 | U/P |
| 14.058 | 6.7177 | 0.0000 | 85.877 | 5.40972 | 0.00000 | 730218.3 | 135875.3 | 0.0 | U/P |
| 14.067 | 6.6554 | 0.0000 | 85.878 | 5.40990 | 0.00000 | 730418.9 | 136037.5 | 0.0 | U/P |
| 14.075 | 6.5805 | 0.0000 | 85.878 | 5.41008 | 0.00000 | 730617.4 | 136199.8 | 0.0 | U/P |
| 14.083 | 6.4908 | 0.0000 | 85.878 | 5.41024 | 0.00000 | 730813.5 | 136362.1 | 0.0 | U/P |
| 14.092 | 6.3863 | 0.0000 | 85.879 | 5.41039 | 0.00000 | 731006.7 | 136524.5 | 0.0 | U/P |
| 14.100 | 6.2689 | 0.0000 | 85.879 | 5.41053 | 0.00000 | 731196.5 | 136686.8 | 0.0 | U/P |
| 14.108 | 6.1389 | 0.0000 | 85.879 | 5.41065 | 0.00000 | 731382.6 | 136849.1 | 0.0 | U/P |
| 14.117 | 5.9998 | 0.0000 | 85.879 | 5.41075 | 0.00000 | 731564.7 | 137011.4 | 0.0 | U/P |
| 14.125 | 5.8517 | 0.0000 | 85.880 | 5.41083 | 0.00000 | 731742.4 | 137173.7 | 0.0 | U/P |
| 14.133 | 5.6983 | 0.0000 | 85.880 | 5.41089 | 0.00000 | 731915.7 | 137336.1 | 0.0 | U/P |
| 14.142 | 5.5399 | 0.0000 | 85.880 | 5.41093 | 0.00000 | 732084.3 | 137498.4 | 0.0 | U/P |
| 14.150 | 5.3800 | 0.0000 | 85.880 | 5.41095 | 0.00000 | 732248.1 | 137660.7 | 0.0 | U/P |
| 14.158 | 5.2188 | 0.0000 | 85.880 | 5.41095 | 0.00000 | 732407.1 | 137823.0 | 0.0 | U/P |
| 14.167 | 5.0580 | 0.0000 | 85.880 | 5.41092 | 0.00000 | 732561.2 | 137985.4 | 0.0 | U/P |
| 14.175 | 4.8977 | 0.0000 | 85.879 | 5.41087 | 0.00000 | 732710.6 | 138147.7 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario $1::$ Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate (fis/s) | Overflow Discharge ( $\mathrm{ft}^{3 /} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 14.183 | 4.7415 | 0.0000 | 85.879 | 5.41080 | 0.00000 | 732855.1 | 138310.0 | 0.0 | U/P |
| 14.192 | 4.5895 | 0.0000 | 85.879 | 5.41071 | 0.00000 | 732995.1 | 138472.3 | 0.0 | U/P |
| 14.200 | 4.4427 | 0.0000 | 85.879 | 5.41059 | 0.00000 | 733130.6 | 138634.7 | 0.0 | U/P |
| 14.208 | 4.3011 | 0.0000 | 85.878 | 5.41046 | 0.00000 | 733261.8 | 138797.0 | 0.0 | U/P |
| 14.217 | 4.1654 | 0.0000 | 85.878 | 5.41030 | 0.00000 | 733388.8 | 138959.3 | 0.0 | U/P |
| 14.225 | 4.0357 | 0.0000 | 85.878 | 5.41013 | 0.00000 | 733511.8 | 139121.6 | 0.0 | U/P |
| 14.233 | 3.9134 | 0.0000 | 85.877 | 5.40993 | 0.00000 | 733631.0 | 139283.9 | 0.0 | U/P |
| 14.242 | 3.7987 | 0.0000 | 85.877 | 5.40972 | 0.00000 | 733746.7 | 139446.2 | 0.0 | U/P |
| 14.250 | 3.6928 | 0.0000 | 85.876 | 5.40950 | 0.00000 | 733859.1 | 139608.5 | 0.0 | U/P |
| 14.258 | 3.5960 | 0.0000 | 85.876 | 5.40926 | 0.00000 | 733968.4 | 139770.8 | 0.0 | U/P |
| 14.267 | 3.5069 | 0.0000 | 85.875 | 5.40900 | 0.00000 | 734074.9 | 139933.0 | 0.0 | U/P |
| 14.275 | 3.4253 | 0.0000 | 85.874 | 5.40874 | 0.00000 | 734178.9 | 140095.3 | 0.0 | U/P |
| 14.283 | 3.3492 | 0.0000 | 85.874 | 5.40846 | 0.00000 | 734280.5 | 140257.6 | 0.0 | U/P |
| 14.292 | 3.2786 | 0.0000 | 85.873 | 5.40817 | 0.00000 | 734379.9 | 140419.8 | 0.0 | U/P |
| 14.300 | 3.2128 | 0.0000 | 85.872 | 5.40787 | 0.00000 | 734477.3 | 140582.0 | 0.0 | U/P |
| 14.308 | 3.1516 | 0.0000 | 85.872 | 5.40756 | 0.00000 | 734572.8 | 140744.3 | 0.0 | U/P |
| 14.317 | 3.0945 | 0.0000 | 85.871 | 5.40725 | 0.00000 | 734666.4 | 140906.5 | 0.0 | U/P |
| 14.325 | 3.0414 | 0.0000 | 85.870 | 5.40692 | 0.00000 | 734758.5 | 141068.7 | 0.0 | U/P |
| 14.333 | 2.9914 | 0.0000 | 85.869 | 5.40659 | 0.00000 | 734849.0 | 141230.9 | 0.0 | U/P |
| 14.342 | 2.9444 | 0.0000 | 85.869 | 5.40625 | 0.00000 | 734938.1 | 141393.1 | 0.0 | U/P |
| 14.350 | 2.9005 | 0.0000 | 85.868 | 5.40591 | 0.00000 | 735025.7 | 141555.3 | 0.0 | U/P |
| 14.358 | 2.8596 | 0.0000 | 85.867 | 5.40555 | 0.00000 | 735112.1 | 141717.5 | 0.0 | U/P |
| 14.367 | 2.8212 | 0.0000 | 85.866 | 5.40520 | 0.00000 | 735197.3 | 141879.6 | 0.0 | U/P |
| 14.375 | 2.7855 | 0.0000 | 85.865 | 5.40483 | 0.00000 | 735281.4 | 142041.8 | 0.0 | U/P |
| 14.383 | 2.7523 | 0.0000 | 85.864 | 5.40447 | 0.00000 | 735364.5 | 142203.9 | 0.0 | U/P |
| 14.392 | 2.7217 | 0.0000 | 85.864 | 5.40409 | 0.00000 | 735446.6 | 142366.0 | 0.0 | U/P |
| 14.400 | 2.6930 | 0.0000 | 85.863 | 5.40372 | 0.00000 | 735527.8 | 142528.2 | 0.0 | U/P |
| 14.408 | 2.6661 | 0.0000 | 85.862 | 5.40334 | 0.00000 | 735608.2 | 142690.3 | 0.0 | U/P |
| 14.417 | 2.6411 | 0.0000 | 85.861 | 5.40295 | 0.00000 | 735687.8 | 142852.4 | 0.0 | U/P |
| 14.425 | 2.6180 | 0.0000 | 85.860 | 5.40256 | 0.00000 | 735766.7 | 143014.5 | 0.0 | U/P |
| 14.433 | 2.5964 | 0.0000 | 85.859 | 5.40217 | 0.00000 | 735844.9 | 143176.5 | 0.0 | U/P |
| 14.442 | 2.5763 | 0.0000 | 85.858 | 5.40178 | 0.00000 | 735922.5 | 143338.6 | 0.0 | U/P |
| 14.450 | 2.5578 | 0.0000 | 85.857 | 5.40138 | 0.00000 | 735999.5 | 143500.6 | 0.0 | U/P |
| 14.458 | 2.5408 | 0.0000 | 85.856 | 5.40098 | 0.00000 | 736076.0 | 143662.7 | 0.0 | U/P |
| 14.467 | 2.5252 | 0.0000 | 85.856 | 5.40058 | 0.00000 | 736152.0 | 143824.7 | 0.0 | U/P |
| 14.475 | 2.5109 | 0.0000 | 85.855 | 5.40018 | 0.00000 | 736227.5 | 143986.7 | 0.0 | U/P |
| 14.483 | 2.4981 | 0.0000 | 85.854 | 5.39977 | 0.00000 | 736302.7 | 144148.7 | 0.0 | U/P |
| 14.492 | 2.4867 | 0.0000 | 85.853 | 5.39936 | 0.00000 | 736377.4 | 144310.7 | 0.0 | U/P |
| 14.500 | 2.4768 | 0.0000 | 85.852 | 5.39895 | 0.00000 | 736451.9 | 144472.7 | 0.0 | U/P |
| 14.508 | 2.4690 | 0.0000 | 85.851 | 5.39854 | 0.00000 | 736526.1 | 144634.6 | 0.0 | U/P |
| 14.517 | 2.4626 | 0.0000 | 85.850 | 5.39813 | 0.00000 | 736600.1 | 144796.6 | 0.0 | U/P |
| 14.525 | 2.4568 | 0.0000 | 85.849 | 5.39772 | 0.00000 | 736673.8 | 144958.5 | 0.0 | U/P |
| 14.533 | 2.4513 | 0.0000 | 85.848 | 5.39730 | 0.00000 | 736747.4 | 145120.4 | 0.0 | U/P |
| 14.542 | 2.4463 | 0.0000 | 85.847 | 5.39689 | 0.00000 | 736820.9 | 145282.3 | 0.0 | U/P |
| 14.550 | 2.4417 | 0.0000 | 85.846 | 5.39648 | 0.00000 | 736894.3 | 145444.3 | 0.0 | U/P |
| 14.558 | 2.4374 | 0.0000 | 85.845 | 5.39606 | 0.00000 | 736967.4 | 145606.1 | 0.0 | U/P |
| 14.567 | 2.4335 | 0.0000 | 85.844 | 5.39564 | 0.00000 | 737040.5 | 145768.0 | 0.0 | U/P |
| 14.575 | 2.4298 | 0.0000 | 85.843 | 5.39523 | 0.00000 | 737113.4 | 145929.9 | 0.0 | U/P |
| 14.583 | 2.4265 | 0.0000 | 85.842 | 5.39481 | 0.00000 | 737186.3 | 146091.7 | 0.0 | U/P |
| 14.592 | 2.4234 | 0.0000 | 85.841 | 5.39439 | 0.00000 | 737259.1 | 146253.6 | 0.0 | U/P |
| 14.600 | 2.4205 | 0.0000 | 85.840 | 5.39397 | 0.00000 | 737331.7 | 146415.4 | 0.0 | U/P |
| 14.608 | 2.4179 | 0.0000 | 85.839 | 5.39356 | 0.00000 | 737404.3 | 146577.2 | 0.0 | U/P |
| 14.617 | 2.4155 | 0.0000 | 85.838 | 5.39314 | 0.00000 | 737476.8 | 146739.0 | 0.0 | U/P |
| 14.625 | 2.4133 | 0.0000 | 85.838 | 5.39272 | 0.00000 | 737549.2 | 146900.8 | 0.0 | U/P |
| 14.633 | 2.4112 | 0.0000 | 85.837 | 5.39230 | 0.00000 | 737621.6 | 147062.6 | 0.0 | U/P |
| 14.642 | 2.4093 | 0.0000 | 85.836 | 5.39188 | 0.00000 | 737693.9 | 147224.3 | 0.0 | U/P |
| 14.650 | 2.4075 | 0.0000 | 85.835 | 5.39146 | 0.00000 | 737766.1 | 147386.1 | 0.0 | U/P |
| 14.658 | 2.4059 | 0.0000 | 85.834 | 5.39104 | 0.00000 | 737838.3 | 147547.8 | 0.0 | U/P |
| 14.667 | 2.4044 | 0.0000 | 85.833 | 5.39062 | 0.00000 | 737910.5 | 147709.5 | 0.0 | U/P |
| 14.675 | 2.4030 | 0.0000 | 85.832 | 5.39020 | 0.00000 | 737982.6 | 147871.3 | 0.0 | U/P |
| 14.683 | 2.4016 | 0.0000 | 85.831 | 5.38978 | 0.00000 | 738054.7 | 148033.0 | 0.0 | U/P |
| 14.692 | 2.4003 | 0.0000 | 85.830 | 5.38936 | 0.00000 | 738126.7 | 148194.6 | 0.0 | U/P |
| 14.700 | 2.3991 | 0.0000 | 85.829 | 5.38894 | 0.00000 | 738198.7 | 148356.3 | 0.0 | U/P |
| 14.708 | 2.3981 | 0.0000 | 85.828 | 5.38852 | 0.00000 | 738270.6 | 148518.0 | 0.0 | U/P |
| 14.717 | 2.3970 | 0.0000 | 85.827 | 5.38809 | 0.00000 | 738342.6 | 148679.6 | 0.0 | U/P |
| 14.725 | 2.3961 | 0.0000 | 85.826 | 5.38767 | 0.00000 | 738414.5 | 148841.3 | 0.0 | U/P |
| 14.733 | 2.3953 | 0.0000 | 85.825 | 5.38725 | 0.00000 | 738486.4 | 149002.9 | 0.0 | U/P |
| 14.742 | 2.3946 | 0.0000 | 85.824 | 5.38683 | 0.00000 | 738558.2 | 149164.5 | 0.0 | U/P |
| 14.750 | 2.3939 | 0.0000 | 85.823 | 5.38641 | 0.00000 | 738630.0 | 149326.1 | 0.0 | U/P |
| 14.758 | 2.3933 | 0,0000 | 85.822 | 5.38599 | 0.00000 | 738701.8 | 149487.7 | 0.0 | U/P |
| 14.767 | 2.3928 | 0.0000 | 85.821 | 5.38556 | 0.00000 | 738773.6 | 149649.3 | 0.0 | U/P |
| 14.775 | 2.3923 | 0.0000 | 85.820 | 5.38514 | 0.00000 | 738845.4 | 149810.8 | 0.0 | U/P |
| 14.783 | 2.3920 | 0.0000 | 85.819 | 5.38472 | 0.00000 | 738917.2 | 149972.4 | 0.0 | U/P |
| 14.792 | 2.3917 | 0.0000 | 85.818 | 5.38430 | 0.00000 | 738988.9 | 150133.9 | 0.0 | U/P |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Outside Recharge ( $t /$ day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow <br> Discharge (f13/s) | Cumulative Inflow <br> Volume ( $\mathrm{f}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 14.800 | 2.3914 | 0.0000 | 85.817 | 5.38388 | 0.00000 | 739060.7 | 150295.4 | 0.0 | U/P |
| 14.808 | 2.3913 | 0.0000 | 85.816 | 5.38346 | 0.00000 | 739132.4 | 150456.9 | 0.0 | U/P |
| 14.817 | 2.3912 | 0.0000 | 85.815 | 5.38303 | 0.00000 | 739204.1 | 150618.4 | 0.0 | U/P |
| 14.825 | 2.3912 | 0.0000 | 85.814 | 5.38261 | 0.00000 | 739275.9 | 150779.9 | 0.0 | U/P |
| 14.833 | 2.3912 | 0.0000 | 85.813 | 5.38219 | 0.00000 | 739347.6 | 150941.4 | 0.0 | U/P |
| 14.842 | 2.3912 | 0.0000 | 85.812 | 5.38177 | 0.00000 | 739419.4 | 151102.8 | 0.0 | U/P |
| 14.850 | 2.3912 | 0.0000 | 85.811 | 5.38135 | 0.00000 | 739491.1 | 151264.3 | 0.0 | U/P |
| 14.858 | 2.3912 | 0.0000 | 85.811 | 5.38093 | 0.00000 | 739562.8 | 151425.7 | 0.0 | U/P |
| 14.867 | 2.3912 | 0.0000 | 85.810 | 5.38050 | 0.00000 | 739634.6 | 151587.1 | 0.0 | U/P |
| 14.875 | 2.3912 | 0.0000 | 85.809 | 5.38008 | 0.00000 | 739706.3 | 151748.5 | 0.0 | U/P |
| 14.883 | 2.3912 | 0.0000 | 85.808 | 5.37966 | 0.00000 | 739778.0 | 151910.0 | 0.0 | U/P |
| 14.892 | 2.3912 | 0.0000 | 85.807 | 5.37924 | 0.00000 | 739849.8 | 152071.3 | 0.0 | U/P |
| 14.900 | 2.3912 | 0.0000 | 85.806 | 5.37882 | 0.00000 | 739921.5 | 152232.7 | 0.0 | U/P |
| 14.908 | 2.3912 | 0.0000 | 85.805 | 5.37840 | 0.00000 | 739993.3 | 152394.1 | 0.0 | U/P |
| 14.917 | 2.3912 | 0.0000 | 85.804 | 5.37797 | 0.00000 | 740064.9 | 152555.4 | 0.0 | U/P |
| 14.925 | 2.3912 | 0.0000 | 85.803 | 5.37755 | 0.00000 | 740136.7 | 152716.7 | 0.0 | U/P |
| 14.933 | 2.3912 | 0.0000 | 85.802 | 5.37713 | 0.00000 | 740208.4 | 152878.1 | 0.0 | U/P |
| 14.942 | 2.3912 | 0.0000 | 85.801 | 5.37671 | 0.00000 | 740280.2 | 153039.4 | 0.0 | U/P |
| 14.950 | 2.3912 | 0.0000 | 85.800 | 5.37629 | 0.00000 | 740351.9 | 153200.7 | 0.0 | U/P |
| 14.958 | 2.3912 | 0.0000 | 85.799 | 5.37587 | 0.00000 | 740423.6 | 153361.9 | 0.0 | U/P |
| 14.967 | 2.3911 | 0.0000 | 85.798 | 5.37544 | 0.00000 | 740495.4 | 153523.2 | 0.0 | U/P |
| 14.975 | 2.3911 | 0.0000 | 85.797 | 5.37502 | 0.00000 | 740567.1 | 153684.5 | 0.0 | U/P |
| 14.983 | 2.3911 | 0.0000 | 85.796 | 5.37460 | 0.00000 | 740638.8 | 153845.7 | 0.0 | U/P |
| 14.992 | 2.3911 | 0.0000 | 85.795 | 5.37418 | 0.00000 | 740710.6 | 154007.0 | 0.0 | U/P |
| 15.000 | 2.3911 | 0.0000 | 85.794 | 5.37376 | 0.00000 | 740782.3 | 154168.2 | 0.0 | U/P |
| 15.008 | 2.3911 | 0.0000 | 85.793 | 5.37334 | 0.00000 | 740854.1 | 154329.4 | 0.0 | U/P |
| 15.017 | 2.3911 | 0.0000 | 85.792 | 5.37292 | 0.00000 | 740925.8 | 154490.6 | 0.0 | U/P |
| 15.025 | 2.3911 | 0.0000 | 85.791 | 5.37250 | 0.00000 | 740997.5 | 154651.8 | 0.0 | U/P |
| 15.033 | 2.3911 | 0.0000 | 85.790 | 5.37207 | 0.00000 | 741069.3 | 154812.9 | 0.0 | U/P |
| 15.042 | 2.3911 | 0.0000 | 85.789 | 5.37165 | 0.00000 | 741141.0 | 154974.1 | 0.0 | U/P |
| 15.050 | 2.3912 | 0.0000 | 85.788 | 5.37123 | 0.00000 | 741212.7 | 155135.2 | 0.0 | U/P |
| 15.058 | 2.3912 | 0.0000 | 85.787 | 5.37081 | 0.00000 | 741284.4 | 155296.3 | 0.0 | U/P |
| 15.067 | 2.3912 | 0.0000 | 85.786 | 5.37039 | 0.00000 | 741356.2 | 155457.5 | 0.0 | U/P |
| 15.075 | 2.3912 | 0.0000 | 85.785 | 5.36997 | 0.00000 | 741427.9 | 155618.6 | 0.0 | U/P |
| 15.083 | 2.3912 | 0.0000 | 85.785 | 5.36955 | 0.00000 | 741499.6 | 155779.7 | 0.0 | U/P |
| 15.092 | 2.3912 | 0.0000 | 85.784 | 5.36913 | 0.00000 | 741571.4 | 155940.7 | 0.0 | U/P |
| 15.100 | 2.3912 | 0.0000 | 85.783 | 5.36871 | 0.00000 | 741643.1 | 156101.8 | 0.0 | U/P |
| 15.108 | 2.3912 | 0.0000 | 85.782 | 5.36829 | 0.00000 | 741714.9 | 156262.9 | 0.0 | U/P |
| 15.117 | 2.3912 | 0.0000 | 85.781 | 5.36786 | 0.00000 | 741786.6 | 156423.9 | 0.0 | U/P |
| 15.125 | 2.3912 | 0.0000 | 85.780 | 5.36744 | 0.00000 | 747858.3 | 156584.9 | 0.0 | U/P |
| 15.133 | 2.3912 | 0.0000 | 85.779 | 5.36702 | 0.00000 | 741930.1 | 156746.0 | 0.0 | U/P |
| 15.142 | 2.3913 | 0.0000 | 85.778 | 5.36660 | 0.00000 | 742001.8 | 156907.0 | 0.0 | U/P |
| 15.150 | 2.3913 | 0.0000 | 85.777 | 5.36618 | 0.00000 | 742073.6 | 157068.0 | 0.0 | U/P |
| 15.158 | 2.3913 | 0.0000 | 85.776 | 5.36576 | 0.00000 | 742145.3 | 157228.9 | 0.0 | U/P |
| 15.167 | 2.3913 | 0.0000 | 85.775 | 5.36534 | 0.00000 | 742217.0 | 157389.9 | 0.0 | U/P |
| 15.175 | 2.3913 | 0.0000 | 85.774 | 5.36492 | 0.00000 | 742288.8 | 157550.8 | 0.0 | U/P |
| 15.183 | 2.3913 | 0.0000 | 85.773 | 5.36450 | 0.00000 | 742360.5 | 157711.8 | 0.0 | U/P |
| 15.192 | 2.3914 | 0.0000 | 85.772 | 5.36408 | 0.00000 | 742432.3 | 157872.7 | 0.0 | U/P |
| 15.200 | 2.3914 | 0.0000 | 85.771 | 5.36366 | 0.00000 | 742504.0 | 158033.6 | 0.0 | U/P |
| 15.208 | 2.3914 | 0.0000 | 85.770 | 5.36324 | 0.00000 | 742575.8 | 158194.5 | 0.0 | U/P |
| 15.217 | 2.3914 | 0.0000 | 85.769 | 5.36282 | 0.00000 | 742647.4 | 158355.4 | 0.0 | U/P |
| 15.225 | 2.3914 | 0.0000 | 85.768 | 5.36240 | 0.00000 | 742719.2 | 158516.3 | 0.0 | U/P |
| 15.233 | 2.3914 | 0.0000 | 85.767 | 5.36197 | 0.00000 | 742790.9 | 158677.2 | 0.0 | U/P |
| 15.242 | 2.3914 | 0.0000 | 85.766 | 5.36155 | 0.00000 | 742862.7 | 158838.0 | 0.0 | U/P |
| 15.250 | 2.3914 | 0.0000 | 85.765 | 5.36113 | 0.00000 | 742934.4 | 158998.9 | 0.0 | U/P |
| 15.258 | 2.3915 | 0.0000 | 85.764 | 5.36071 | 0.00000 | 743006.2 | 159159.7 | 0.0 | U/P |
| 15.267 | 2.3915 | 0.0000 | 85.763 | 5.36029 | 0.00000 | 743077.9 | 159320.5 | 0.0 | U/P |
| 15.275 | 2.3915 | 0.0000 | 85.762 | 5.35987 | 0.00000 | 743149.7 | 159481.3 | 0.0 | U/P |
| 15.283 | 2.3915 | 0.0000 | 85.761 | 5.35945 | 0.00000 | 743221.4 | 159642.1 | 0.0 | U/P |
| 15.292 | 2.3915 | 0.0000 | 85.760 | 5.35903 | 0.00000 | 743293.2 | 159802.9 | 0.0 | U/P |
| 15.300 | 2.3915 | 0.0000 | 85.759 | 5.35861 | 0.00000 | 743364.9 | 159963.6 | 0.0 | U/P |
| 15.308 | 2.3915 | 0.0000 | 85.759 | 5.35819 | 0.00000 | 743436.6 | 160124.4 | 0.0 | U/P |
| 15.317 | 2,3915 | 0.0000 | 85.758 | 5.35777 | 0.00000 | 743508.4 | 160285.1 | 0.0 | U/P |
| 15.325 | 2.3915 | 0.0000 | 85.757 | 5.35735 | 0.00000 | 743580.1 | 160445.9 | 0.0 | U/P |
| 15.333 | 2.3915 | 0.0000 | 85.756 | 5.35693 | 0.00000 | 743651.9 | 160606.6 | 0.0 | U/P |
| 15.342 | 2.3915 | 0.0000 | 85.755 | 5.35651 | 0.00000 | 743723.6 | 160767.3 | 0.0 | U/P |
| 15.350 | 2.3915 | 0.0000 | 85.754 | 5.35609 | 0.00000 | 743795.4 | 160928.0 | 0.0 | U/P |
| 15.358 | 2.3915 | 0.0000 | 85.753 | 5.35567 | 0.00000 | 743867.1 | 161088.6 | 0.0 | U/P |
| 15.367 | 2.3915 | 0.0000 | 85.752 | 5.35525 | 0.00000 | 743938.9 | 161249.3 | 0.0 | U/P |
| 15.375 | 2.3915 | 0.0000 | 85.751 | 5.35483 | 0.00000 | 744010.6 | 161410.0 | 0.0 | U/P |
| 15.383 | 2.3915 | 0.0000 | 85.750 | 5.35441 | 0.00000 | 744082.4 | 161570.6 | 0.0 | U/P |
| 15.392 | 2.3915 | 0.0000 | 85.749 | 5.35399 | 0.00000 | 744154.1 | 161731.2 | 0.0 | U/P |
| 15.400 | 2.3915 | 0.0000 | 85.748 | 5.35357 | 0.00000 | 744225.9 | 161891.8 | 0.0 | U/P |
| 15,408 | 2.3915 | 0.0000 | 85.747 | 5.35315 | 0.00000 | 744297.6 | 162052.4 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 5100 yr/24 hr

| Elapsed Time (hours) | Inflow Rate ( t /3/s) | Outside Recharge (flday) | Stage Elevation (fl datum) | Infiltration Rate ( $\mathrm{ft}^{3 / 3}$ ) | Overfiow Discharge ( $\mathrm{fl}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 15.417 | 2.3915 | 0.0000 | 85.746 | 5.35273 | 0.00000 | 744369.3 | 162213.0 | 0.0 | U/P |
| 15.425 | 2.3915 | 0.0000 | 85.745 | 5.35231 | 0.00000 | 744441.1 | 162373.6 | 0.0 | U/P |
| 15,433 | 2.3915 | 0.0000 | 85.744 | 5.35189 | 0.00000 | 744512.8 | 162534.2 | 0.0 | U/P |
| 15,442 | 2.3916 | 0.0000 | 85.743 | 5.35147 | 0.00000 | 744584.6 | 162694.7 | 0.0 | U/P |
| 15.450 | 2.3916 | 0.0000 | 85.742 | 5.35105 | 0.00000 | 744656.3 | 162855.3 | 0.0 | U/P |
| 15.458 | 2.3916 | 0.0000 | 85.741 | 5.35063 | 0.00000 | 744728.1 | 163015.8 | 0.0 | U/P |
| 15.467 | 2.3916 | 0.0000 | 85.740 | 5.35021 | 0.00000 | 744799.8 | 163176.3 | 0.0 | U/P |
| 15.475 | 2.3916 | 0.0000 | 85.739 | 5.34979 | 0.00000 | 744871.6 | 163336.8 | 0.0 | U/P |
| 15.483 | 2.3916 | 0.0000 | 85.738 | 5.34937 | 0.00000 | 744943.3 | 163497.3 | 0.0 | U/P |
| 15.492 | 2.3916 | 0.0000 | 85.737 | 5.34895 | 0.00000 | 745015.1 | 163657.8 | 0.0 | U/P |
| 15.500 | 2.3916 | 0.0000 | 85.736 | 5.34853 | 0.00000 | 745086.8 | 163818.2 | 0.0 | U/P |
| 15.508 | 2.3914 | 0.0000 | 85.735 | 5.34811 | 0.00000 | 745158.6 | 163978.7 | 0.0 | U/P |
| 15.517 | 2.3911 | 0.0000 | 85.735 | 5.34769 | 0.00000 | 745230.3 | 164139.1 | 0.0 | U/P |
| 15.525 | 2.3904 | 0.0000 | 85.734 | 5.34727 | 0.00000 | 745302.0 | 164299.5 | 0.0 | U/P |
| 15.533 | 2.3891 | 0.0000 | 85.733 | 5.34685 | 0.00000 | 745373.7 | 164459.9 | 0.0 | U/P |
| 15.542 | 2.3873 | 0.0000 | 85.732 | 5.34644 | 0.00000 | 745445.4 | 164620.3 | 0.0 | U/P |
| 15.550 | 2.3848 | 0.0000 | 85.731 | 5.34601 | 0.00000 | 745516.9 | 164780.7 | 0.0 | U/P |
| 15.558 | 2.3815 | 0.0000 | 85.730 | 5.34559 | 0.00000 | 745588.4 | 164941.1 | 0.0 | U/P |
| 15.567 | 2.3773 | 0.0000 | 85.729 | 5.34517 | 0.00000 | 745659.8 | 165101.5 | 0.0 | U/P |
| 15.575 | 2.3720 | 0.0000 | 85.728 | 5.34475 | 0.00000 | 745731.1 | 165261.8 | 0.0 | U/P |
| 15.583 | 2.3656 | 0.0000 | 85.727 | 5.34433 | 0.00000 | 745802.1 | 165422.1 | 0.0 | U/P |
| 15.592 | 2.3579 | 0.0000 | 85.726 | 5.34391 | 0.00000 | 745872.9 | 165582.5 | 0.0 | U/P |
| 15.600 | 2.3487 | 0.0000 | 85.725 | 5.34348 | 0.00000 | 745943.6 | 165742.8 | 0.0 | U/P |
| 15.608 | 2.3382 | 0.0000 | 85.724 | 5.34306 | 0.00000 | 746013.9 | 165903.1 | 0.0 | U/P |
| 15.617 | 2.3265 | 0.0000 | 85.723 | 5.34263 | 0.00000 | 746083.8 | 166063.4 | 0.0 | U/P |
| 15.625 | 2.3139 | 0.0000 | 85.722 | 5.34220 | 0.00000 | 746153.4 | 166223.6 | 0.0 | U/P |
| 15.633 | 2.3004 | 0.0000 | 85.721 | 5.34177 | 0.00000 | 746222.7 | 166383.9 | 0.0 | U/P |
| 15.642 | 2.2863 | 0.0000 | 85.720 | 5.34134 | 0.00000 | 746291.4 | 166544.1 | 0.0 | U/P |
| 15.650 | 2.2717 | 0.0000 | 85.719 | 5.34091 | 0.00000 | 746359.8 | 166704.4 | 0.0 | U/P |
| 15.658 | 2.2569 | 0.0000 | 85.718 | 5.34047 | 0.00000 | 746427.8 | 166864.6 | 0.0 | U/P |
| 15.667 | 2.2420 | 0.0000 | 85.717 | 5.34003 | 0.00000 | 746495.3 | 167024.8 | 0.0 | U/P |
| 15.675 | 2.2271 | 0.0000 | 85.716 | 5.33959 | 0.00000 | 746562.3 | 167185.0 | 0.0 | U/P |
| 15.683 | 2.2123 | 0.0000 | 85.715 | 5.33915 | 0.00000 | 746628.9 | 167345.2 | 0.0 | U/P |
| 15.692 | 2.1978 | 0.0000 | 85.714 | 5.33870 | 0.00000 | 746695.0 | 167505.3 | 0.0 | U/P |
| 15.700 | 2.1837 | 0.0000 | 85.713 | 5.33826 | 0.00000 | 746760.8 | 167665.5 | 0.0 | U/P |
| 15.708 | 2.1701 | 0.0000 | 85.712 | 5.33781 | 0.00000 | 746826.1 | 167825.6 | 0.0 | U/P |
| 15.717 | 2.1570 | 0.0000 | 85.711 | 5.33736 | 0.00000 | 746890.9 | 167985.8 | 0.0 | U/P |
| 15.725 | 2.1445 | 0.0000 | 85.710 | 5.33691 | 0.00000 | 746955.5 | 168145.9 | 0.0 | U/P |
| 15.733 | 2.1325 | 0.0000 | 85.709 | 5.33645 | 0.00000 | 747019.6 | 168306.0 | 0.0 | U/P |
| 15.742 | 2.1213 | 0.0000 | 85.708 | 5.33600 | 0.00000 | 747083.4 | 168466.1 | 0.0 | U/P |
| 15.750 | 2.1108 | 0.0000 | 85.707 | 5.33554 | 0.00000 | 747146.9 | 168626.1 | 0.0 | U/P |
| 15.758 | 2.1011 | 0.0000 | 85.706 | 5.33508 | 0.00000 | 747210.1 | 168786.2 | 0.0 | U/P |
| 15.767 | 2.0923 | 0.0000 | 85.705 | 5.33462 | 0.00000 | 747273.0 | 168946.3 | 0.0 | U/P |
| 15.775 | 2.0843 | 0.0000 | 85.704 | 5.33416 | 0.00000 | 747335.6 | 169106.3 | 0.0 | U/P |
| 15.783 | 2.0771 | 0.0000 | 85.702 | 5.33370 | 0.00000 | 747398.1 | 169266.3 | 0.0 | U/P |
| 15.792 | 2.0705 | 0.0000 | 85.701 | 5.33323 | 0.00000 | 747460.3 | 169426.3 | 0.0 | U/P |
| 15.800 | 2.0644 | 0.0000 | 85.700 | 5.33277 | 0.00000 | 747522.3 | 169586.3 | 0.0 | U/P |
| 15.808 | 2.0588 | 0.0000 | 85.699 | 5.33230 | 0.00000 | 747584.2 | 169746.3 | 0.0 | U/P |
| 15.817 | 2.0537 | 0.0000 | 85.698 | 5.33184 | 0.00000 | 747645.9 | 169906.2 | 0.0 | U/P |
| 15.825 | 2.0490 | 0.0000 | 85.697 | 5.33137 | 0.00000 | 747707.4 | 170066.2 | 0.0 | U/P |
| 15.833 | 2.0446 | 0.0000 | 85.696 | 5.33090 | 0.00000 | 747768.8 | 170226.1 | 0.0 | U/P |
| 15.842 | 2.0406 | 0.0000 | 85.695 | 5.33044 | 0.00000 | 747830.1 | 170386.0 | 0.0 | U/P |
| 15.850 | 2.0368 | 0.0000 | 85.694 | 5.32997 | 0.00000 | 747891.3 | 170545.9 | 0.0 | U/P |
| 15.858 | 2.0333 | 0.0000 | 85.693 | 5.32950 | 0.00000 | 747952.3 | 170705.8 | 0.0 | U/P |
| 15.867 | 2.0301 | 0.0000 | 85.692 | 5.32903 | 0.00000 | 748013.3 | 170865.7 | 0.0 | U/P |
| 15.875 | 2.0271 | 0.0000 | 85.691 | 5.32856 | 0.00000 | 748074.1 | 171025.6 | 0.0 | U/P |
| 15.883 | 2.0244 | 0.0000 | 85.690 | 5.32809 | 0.00000 | 748134.9 | 171185.4 | 0.0 | U/P |
| 15.892 | 2.0219 | 0.0000 | 85.689 | 5.32762 | 0.00000 | 748195.6 | 171345.3 | 0.0 | U/P |
| 15.900 | 2.0195 | 0.0000 | 85.687 | 5.32715 | 0.00000 | 748256.2 | 171505.1 | 0.0 | U/P |
| 15.908 | 2.0174 | 0.0000 | 85.686 | 5.32668 | 0.00000 | 748316.8 | 171664.9 | 0.0 | U/P |
| 15.917 | 2.0155 | 0.0000 | 85.685 | 5.32621 | 0.00000 | 748377.3 | 171824.7 | 0.0 | U/P |
| 15.925 | 2.0136 | 0.0000 | 85.684 | 5.32573 | 0.00000 | 748437.7 | 171984.5 | 0.0 | U/P |
| 15.933 | 2.0120 | 0.0000 | 85.683 | 5.32526 | 0.00000 | 748498.1 | 172144.2 | 0.0 | U/P |
| 15.942 | 2.0104 | 0.0000 | 85.682 | 5.32479 | 0.00000 | 748558.4 | 172304.0 | 0.0 | U/P |
| 15.950 | 2.0090 | 0.0000 | 85.681 | 5.32432 | 0.00000 | 748618.7 | 172463.7 | 0.0 | U/P |
| 15.958 | 2.0077 | 0.0000 | 85,680 | 5.32384 | 0.00000 | 748678.9 | 172623.4 | 0.0 | U/P |
| 15.967 | 2.0065 | 0.0000 | 85,679 | 5.32337 | 0.00000 | 748739.1 | 172783.1 | 0.0 | U/P |
| 15.975 | 2.0054 | 0.0000 | 85.678 | 5.32290 | 0.00000 | 748799.3 | 172942.8 | 0.0 | U/P |
| 15.983 | 2.0044 | 0.0000 | 85.677 | 5.32243 | 0.00000 | 748859.4 | 173102.5 | 0.0 | U/P |
| 15.992 | 2.0034 | 0.0000 | 85.676 | 5.32195 | 0.00000 | 748919.6 | 173262.2 | 0.0 | U/P |
| 16.000 | 2.0026 | 0.0000 | 85.674 | 5.32148 | 0.00000 | 748979.7 | 173421.8 | 0.0 | U/P |
| 16.008 | 2.0018 | 0.0000 | 85.673 | 5.32101 | 0.00000 | 749039.8 | 173581.5 | 0.0 | U/P |
| 16.017 | 2.0008 | 0.0000 | 85.672 | 5.32053 | 0.00000 | 749099.8 | 173741.1 | 0.0 | U/P |
| 16.025 | 1.9996 | 0.0000 | 85.671 | 5.32006 | 0.00000 | 749159.8 | 173900.7 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :. Scenario 1 :: Pond 5100 yr/24 hr

| Elapsed Time (hours) | inflow Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overfiow <br> Discharge $\left(\mathrm{ft}^{3 / \mathrm{s}}\right)$ | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 16.033 | 1.9980 | 0.0000 | 85.670 | 5.31958 | 0.00000 | 749219.8 | 174060.3 | 0.0 | U/P |
| 16.042 | 1.9959 | 0.0000 | 85.669 | 5.37911 | 0.00000 | 749279.6 | 174219.9 | 0.0 | U/P |
| 16.050 | 1.9932 | 0.0000 | 85.668 | 5.31864 | 0.00000 | 749339.5 | 174379.4 | 0.0 | U/P |
| 16.058 | 1.9898 | 0.0000 | 85.667 | 5.31816 | 0.00000 | 749399.3 | 174539.0 | 0.0 | U/P |
| 16.067 | 1.9856 | 0.0000 | 85.666 | 5.31769 | 0.00000 | 749458.9 | 174698.5 | 0.0 | U/P |
| 16.075 | 1.9805 | 0.0000 | 85.665 | 5.31721 | 0.00000 | 749518.4 | 174858.0 | 0.0 | U/P |
| 16.083 | 1.9743 | 0.0000 | 85.664 | 5.31674 | 0.00000 | 749577.7 | 175017.6 | 0.0 | U/P |
| 16.092 | 1.9668 | 0.0000 | 85.663 | 5.31626 | 0.00000 | 749636.8 | 175177.1 | 0.0 | U/P |
| 16.100 | 1.9580 | 0.0000 | 85.661 | 5.31578 | 0.00000 | 749695.7 | 175336.5 | 0.0 | U/P |
| 16.108 | 1.9478 | 0.0000 | 85.660 | 5.31530 | 0.00000 | 749754.3 | 175496.0 | 0.0 | U/P |
| 16.117 | 1.9365 | 0.0000 | 85.659 | 5.31482 | 0.00000 | 749812.5 | 175655.5 | 0.0 | U/P |
| 16.125 | 1.9239 | 0.0000 | 85.658 | 5.31434 | 0.00000 | 749870.4 | 175814.9 | 0.0 | U/P |
| 16.133 | 1.9106 | 0.0000 | 85.657 | 5.31385 | 0.00000 | 749927.9 | 175974.3 | 0.0 | U/P |
| 16.142 | 1.8965 | 0.0000 | 85.656 | 5.31337 | 0.00000 | 749985.1 | 176133.7 | 0.0 | U/P |
| 16.150 | 1.8819 | 0.0000 | 85.655 | 5.31288 | 0.00000 | 750041.8 | 176293.1 | 0.0 | U/P |
| 16.158 | 1.8670 | 0.0000 | 85.654 | 5.31239 | 0.00000 | 750097.9 | 176452.5 | 0.0 | U/P |
| 16.167 | 1.8519 | 0.0000 | 85.653 | 5.31190 | 0.00000 | 750153.8 | 176611.9 | 0.0 | U/P |
| 16.175 | 1.8369 | 0.0000 | 85.651 | 5.31140 | 0.00000 | 750209.1 | 176771.2 | 0.0 | U/P |
| 16.183 | 1.8219 | 0.0000 | 85.650 | 5.31091 | 0.00000 | 750263.9 | 176930.5 | 0.0 | U/P |
| 16.192 | 1.8070 | 0.0000 | 85.649 | 5.31041 | 0.00000 | 750318.4 | 177089.9 | 0.0 | U/P |
| 16.200 | 1.7925 | 0.0000 | 85.648 | 5.30991 | 0.00000 | 750372.4 | 177249.2 | 0.0 | U/P |
| 16.208 | 1.7785 | 0.0000 | 85.647 | 5.30940 | 0.00000 | 750425.9 | 177408.5 | 0.0 | U/P |
| 16.217 | 1.7651 | 0.0000 | 85.646 | 5.30890 | 0.00000 | 750479.1 | 177567.7 | 0.0 | U/P |
| 16.225 | 1.7522 | 0.0000 | 85.645 | 5.30839 | 0.00000 | 750531.9 | 177727.0 | 0.0 | U/P |
| 16.233 | 1.7399 | 0.0000 | 85.643 | 5.30788 | 0.00000 | 750584.3 | 177886.2 | 0.0 | U/P |
| 16.242 | 1.7282 | 0.0000 | 85.642 | 5.30737 | 0.00000 | 750636.3 | 178045.5 | 0.0 | U/P |
| 16.250 | 1.7172 | 0.0000 | 85.641 | 5.30686 | 0.00000 | 750687.9 | 178204.7 | 0.0 | U/P |
| 16.258 | 1.7070 | 0.0000 | 85.640 | 5.30635 | 0.00000 | 750739.3 | 178363.9 | 0.0 | U/P |
| 16.267 | 1.6977 | 0.0000 | 85.639 | 5.30583 | 0.00000 | 750790.4 | 178523.1 | 0.0 | U/P |
| 16.275 | 1.6894 | 0.0000 | 85.637 | 5.30532 | 0.00000 | 750841.2 | 178682.2 | 0.0 | U/P |
| 16.283 | 1.6817 | 0.0000 | 85.636 | 5.30480 | 0.00000 | 750891.8 | 178841.4 | 0.0 | U/P |
| 16.292 | 1.6748 | 0.0000 | 85.635 | 5.30428 | 0.00000 | 750942.1 | 179000.5 | 0.0 | U/P |
| 16.300 | 1.6685 | 0.0000 | 85.634 | 5.30376 | 0.00000 | 750992.3 | 179159.6 | 0.0 | U/P |
| 16.308 | 1.6627 | 0.0000 | 85.633 | 5.30324 | 0.00000 | 751042.2 | 179318.7 | 0.0 | U/P |
| 16.317 | 1.6573 | 0.0000 | 85.632 | 5.30272 | 0.00000 | 751092.0 | 179477.8 | 0.0 | U/P |
| 16.325 | $\uparrow .6524$ | 0.0000 | 85.630 | 5.30220 | 0.00000 | 751141.7 | 179636.9 | 0.0 | U/P |
| 16.333 | 1.6478 | 0.0000 | 85.629 | 5.30168 | 0.00000 | 751191.2 | 179796.0 | 0.0 | U/P |
| 16.342 | 1.6437 | 0.0000 | 85.628 | 5.30115 | 0.00000 | 751240.6 | 179955.0 | 0.0 | U/P |
| 16.350 | 1.6398 | 0.0000 | 85.627 | 5.30063 | 0.00000 | 751289.8 | 180114.0 | 0.0 | U/P |
| 16.358 | 1.6361 | 0.0000 | 85.626 | 5.30011 | 0.00000 | 751338.9 | 180273.0 | 0.0 | U/P |
| 16.367 | 1.6328 | 0.0000 | 85.624 | 5.29958 | 0.00000 | 751387.9 | 180432.0 | 0.0 | U/P |
| 16.375 | 1.6297 | 0.0000 | 85.623 | 5.29906 | 0.00000 | 751436.9 | 180591.0 | 0.0 | U/P |
| 16.383 | 1.6268 | 0.0000 | 85.622 | 5.29853 | 0.00000 | 751485.8 | 180750.0 | 0.0 | U/P |
| 16.392 | 1.6242 | 0.0000 | 85.621 | 5.29800 | 0.00000 | 751534.5 | 180908.9 | 0.0 | U/P |
| 16.400 | 1.6218 | 0.0000 | 85.620 | 5.29748 | 0.00000 | 751583.2 | 181067.9 | 0.0 | U/P |
| 16.408 | 1.6196 | 0.0000 | 85.618 | 5.29695 | 0.00000 | 751631.8 | 181226.8 | 0.0 | U/P |
| 16.417 | 1.6176 | 0.0000 | 85.617 | 5.29642 | 0.00000 | 751680.4 | 181385.7 | 0.0 | U/P |
| 16.425 | 1.6157 | 0.0000 | 85.616 | 5.29590 | 0.00000 | 751728.9 | 181544.6 | 0.0 | U/P |
| 16.433 | 1.6139 | 0.0000 | 85.615 | 5.29537 | 0.00000 | 751777.3 | 181703.4 | 0.0 | U/P |
| 16.442 | 1.6124 | 0.0000 | 85.613 | 5.29484 | 0.00000 | 751825.7 | 181862.3 | 0.0 | U/P |
| 16.450 | 1.6109 | 0.0000 | 85.612 | 5.29431 | 0.00000 | 751874.1 | 182021.1 | 0.0 | U/P |
| 16.458 | 1.6095 | 0.0000 | 85.611 | 5.29379 | 0.00000 | 751922.4 | 182180.0 | 0.0 | U/P |
| 16.467 | 1.6082 | 0.0000 | 85.610 | 5.29326 | 0.00000 | 751970.6 | 182338.8 | 0.0 | U/P |
| 16.475 | 1.6071 | 0.0000 | 85.609 | 5.29273 | 0.00000 | 752018.9 | 182497.5 | 0.0 | U/P |
| 16.483 | 1.6060 | 0.0000 | 85.607 | 5.29220 | 0.00000 | 752067.1 | 182656.3 | 0.0 | U/P |
| 16.492 | 1.6051 | 0.0000 | 85.606 | 5.29167 | 0.00000 | 752115.3 | 182815.1 | 0.0 | U/P |
| 16.500 | 1.6042 | 0.0000 | 85.605 | 5.29114 | 0.00000 | 752163.4 | 182973.8 | 0.0 | U/P |
| 16.508 | 1.6033 | 0.0000 | 85.604 | 5.29062 | 0.00000 | 752211.5 | 183132.5 | 0.0 | U/P |
| 16.517 | 1.6027 | 0.0000 | 85.603 | 5.29009 | 0.00000 | 752259.6 | 183291.3 | 0.0 | U/P |
| 16.525 | 1.6025 | 0.0000 | 85.601 | 5.28956 | 0.00000 | 752307.6 | 183450.0 | 0.0 | U/P |
| 16.533 | 1.6027 | 0.0000 | 85.600 | 5.28903 | 0.00000 | 752355.8 | 183608.6 | 0.0 | U/P |
| 16.542 | 1.6037 | 0.0000 | 85.599 | 5.28850 | 0.00000 | 752403.8 | 183767.3 | 0.0 | U/P |
| 16.550 | 1.6055 | 0.0000 | 85.598 | 5.28797 | 0.00000 | 752451.9 | 183925.9 | 0.0 | U/P |
| 16.558 | 1.6082 | 0.0000 | 85.597 | 5.28744 | 0.00000 | 752500.2 | 184084.6 | 0.0 | U/P |
| 16.567 | 1.6119 | 0.0000 | 85.595 | 5.28691 | 0.00000 | 752548.4 | 184243.2 | 0.0 | U/P |
| 16.575 | 1.6167 | 0.0000 | 85.594 | 5.28639 | 0.00000 | 752596.9 | 184401.8 | 0.0 | U/P |
| 16.583 | 1.6229 | 0.0000 | 85.593 | 5.28586 | 0.00000 | 752645.5 | 184560.4 | 0.0 | U/P |
| 16.592 | 1.6307 | 0.0000 | 85.592 | 5.28533 | 0.00000 | 752694.3 | 184718.9 | 0.0 | U/P |
| 16.600 | 1.6401 | 0.0000 | 85.591 | 5.28481 | 0.00000 | 752743.4 | 184877.5 | 0.0 | U/P |
| 16.608 | 1.6513 | 0.0000 | 85.589 | 5.28429 | 0.00000 | 752792.8 | 185036.0 | 0.0 | U/P |
| 16.617 | 1.6642 | 0.0000 | 85.588 | 5.28376 | 0.00000 | 752842.4 | 185194.5 | 0.0 | U/P |
| 16.625 | 1.6785 | 0.0000 | 85.587 | 5.28324 | 0.00000 | 752892.6 | 185353.0 | 0.0 | U/P |
| 16.633 | 1.6942 | 0.0000 | 85.586 | 5.28273 | 0.00000 | 752943.2 | 185511.5 | 0.0 | U/P |
| 16.642 | 1.7108 | 0.0000 | 85.585 | 5,28221 | 0.00000 | 752994.3 | 185670.0 | 0.0 | U/P |

# PONDS Version 3.2.0207 <br> Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E. 

Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Infiow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate (ft ${ }^{3} / \mathrm{s}$ ) | Overliow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative <br> Discharge <br> Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 16.650 | 1.7283 | 0.0000 | 85.583 | 5.28170 | 0.00000 | 753045.9 | 185828.5 | 0.0 | U/P |
| 16.658 | 1.7463 | 0.0000 | 85.582 | 5.28119 | 0.00000 | 753098.0 | 185986.9 | 0.0 | U/P |
| 16.667 | 1.7647 | 0,0000 | 85.581 | 5.28068 | 0.00000 | 753150.6 | 186145.3 | 0.0 | U/P |
| 16.675 | 1.7831 | 0.0000 | 85.580 | 5.28017 | 0.00000 | 753203.9 | 186303.8 | 0.0 | U/P |
| 16.683 | 1.8016 | 0.0000 | 85.579 | 5.27967 | 0.00000 | 753257.6 | 186462.2 | 0.0 | U/P |
| 16.692 | 1.8199 | 0.0000 | 85.578 | 5.27917 | 0.00000 | 753311.9 | 186620.5 | 0.0 | U/P |
| 16.700 | 1.8380 | 0.0000 | 85.577 | 5.27867 | 0.00000 | 753366.8 | 186778.9 | 0.0 | U/P |
| 16.708 | 1.8554 | 0.0000 | 85.575 | 5.27818 | 0.00000 | 753422.2 | 186937.3 | 0.0 | U/P |
| 16.717 | 1.8723 | 0.0000 | 85.574 | 5.27769 | 0.00000 | 753478.1 | 187095.6 | 0.0 | U/P |
| 16.725 | 1.8885 | 0.0000 | 85.573 | 5.27720 | 0.00000 | 753534.6 | 187253.9 | 0.0 | U/P |
| 16.733 | 1.9040 | 0.0000 | 85.572 | 5.27671 | 0.00000 | 753591.4 | 187412.2 | 0.0 | U/P |
| 16.742 | 1.9188 | 0.0000 | 85.571 | 5.27622 | 0.00000 | 753648.8 | 187570.5 | 0.0 | U/P |
| 16.750 | 1.9328 | 0.0000 | 85.570 | 5.27574 | 0.00000 | 753706.6 | 187728.8 | 0.0 | U/P |
| 16.758 | 1.9458 | 0.0000 | 85.569 | 5.27526 | 0.00000 | 753764.8 | 187887.1 | 0.0 | U/P |
| 16.767 | 1.9578 | 0.0000 | 85.568 | 5.27478 | 0.00000 | 753823.3 | 188045.3 | 0.0 | U/P |
| 16.775 | 1.9687 | 0.0000 | 85.567 | 5.27430 | 0.00000 | 753882.2 | 188203.5 | 0.0 | U/P |
| 16.783 | 1.9785 | 0.0000 | 85.565 | 5.27383 | 0.00000 | 753941.4 | 188361.8 | 0.0 | U/P |
| 16.792 | 1.9875 | 0.0000 | 85.564 | 5.27335 | 0.00000 | 754000.9 | 188520.0 | 0.0 | U/P |
| 16.800 | 1.9957 | 0.0000 | 85.563 | 5.27288 | 0.00000 | 754060.6 | 188678.2 | 0.0 | U/P |
| 16.808 | 2.0032 | 0.0000 | 85.562 | 5.27241 | 0.00000 | 754120.6 | 188836.3 | 0.0 | U/P |
| 16.817 | 2.0101 | 0.0000 | 85.561 | 5.27194 | 0.00000 | 754180.8 | 188994.5 | 0.0 | U/P |
| 16.825 | 2.0165 | 0.0000 | 85.560 | 5.27147 | 0.00000 | 754241.2 | 189152.7 | 0.0 | U/P |
| 16.833 | 2.0224 | 0.0000 | 85.559 | 5.27100 | 0.00000 | 754301.8 | 189310.8 | 0.0 | U/P |
| 16.842 | 2.0278 | 0.0000 | 85.558 | 5.27053 | 0.00000 | 754362.6 | 189468.9 | 0.0 | U/P |
| 16.850 | 2.0329 | 0.0000 | 85.557 | 5.27007 | 0.00000 | 754423.4 | 189627.0 | 0.0 | U/P |
| 16.858 | 2.0376 | 0.0000 | 85.556 | 5.26960 | 0.00000 | 754484.5 | 189785.1 | 0.0 | U/P |
| 16.867 | 2.0419 | 0.0000 | 85.555 | 5.26913 | 0.00000 | 754545.7 | 189943.2 | 0.0 | U/P |
| 16.875 | 2.0459 | 0.0000 | 85.554 | 5.26867 | 0.00000 | 754607.0 | 190101.3 | 0.0 | U/P |
| 16.883 | 2.0496 | 0.0000 | 85.553 | 5.26820 | 0.00000 | 754668.4 | 190259.3 | 0.0 | U/P |
| 16.892 | 2.0531 | 0.0000 | 85.552 | 5.26774 | 0.00000 | 754730.0 | 190417.4 | 0.0 | U/P |
| 16.900 | 2.0562 | 0.0000 | 85.551 | 5.26728 | 0.00000 | 754791.6 | 190575.4 | 0.0 | U/P |
| 16.908 | 2.0591 | 0.0000 | 85.549 | 5.26682 | 0.00000 | 754853.4 | 190733.4 | 0.0 | U/P |
| 16.917 | 2.0617 | 0.0000 | 85.548 | 5.26635 | 0.00000 | 754915.2 | 190891.4 | 0.0 | U/P |
| 16.925 | 2.0642 | 0.0000 | 85.547 | 5.26589 | 0.00000 | 754977.1 | 191049.4 | 0.0 | U/P |
| 16.933 | 2.0664 | 0.0000 | 85.546 | 5.26543 | 0.00000 | 755039.0 | 191207.4 | 0.0 | U/P |
| 16.942 | 2.0685 | 0.0000 | 85.545 | 5.26497 | 0.00000 | 755101.1 | 191365.3 | 0.0 | U/P |
| 16.950 | 2.0704 | 0.0000 | 85.544 | 5.26451 | 0.00000 | 755163.1 | 191523.3 | 0.0 | U/P |
| 16.958 | 2.0722 | 0.0000 | 85.543 | 5.26405 | 0.00000 | 755225.3 | 191681.2 | 0.0 | U/P |
| 16.967 | 2.0738 | 0.0000 | 85.542 | 5.26359 | 0.00000 | 755287.4 | 191839.1 | 0.0 | U/P |
| 16.975 | 2.0753 | 0.0000 | 85.541 | 5.26313 | 0.00000 | 755349.7 | 191997.0 | 0.0 | U/P |
| 16.983 | 2.0767 | 0.0000 | 85.540 | 5.26267 | 0.00000 | 755412.0 | 192154.9 | 0.0 | U/P |
| 16.982 | 2.0780 | 0.0000 | 85.539 | 5.26221 | 0.00000 | 755474.3 | 192312.8 | 0.0 | U/P |
| 17.000 | 2.0793 | 0.0000 | 85.538 | 5.26175 | 0.00000 | 755536.6 | 192470.6 | 0.0 | U/P |
| 17.008 | 2.0807 | 0.0000 | 85.537 | 5.26129 | 0.00000 | 755599.1 | 192628.5 | 0.0 | U/P |
| 17.017 | 2.0824 | 0.0000 | 85.536 | 5.26083 | 0.00000 | 755661.5 | 192786.3 | 0.0 | U/P |
| 17.025 | 2.0844 | 0.0000 | 85.535 | 5.26037 | 0.00000 | 755724.0 | 192944.1 | 0.0 | U/P |
| 17.033 | 2.0869 | 0.0000 | 85.534 | 5.25991 | 0.00000 | 755786.6 | 193101.9 | 0.0 | U/P |
| 17.042 | 2.0898 | 0.0000 | 85.533 | 5.25946 | 0.00000 | 755849.3 | 193259.7 | 0.0 | U/P |
| 17.050 | 2.0933 | 0.0000 | 85.532 | 5.25900 | 0.00000 | 755912.0 | 193417.5 | 0.0 | U/P |
| 17.058 | 2.0974 | 0.0000 | 85.531 | 5.25854 | 0.00000 | 755974.8 | 193575.3 | 0.0 | U/P |
| 17.067 | 2.1023 | 0.0000 | 85.529 | 5.25809 | 0.00000 | 756037.8 | 193733.0 | 0.0 | U/P |
| 17.075 | 2.1081 | 0.0000 | 85.528 | 5.25763 | 0.00000 | 756101.0 | 193890.7 | 0.0 | U/P |
| 17.083 | 2.1149 | 0.0000 | 85.527 | 5.25718 | 0.00000 | 756164.3 | 194048.5 | 0.0 | U/P |
| 17.092 | 2.1227 | 0.0000 | 85.526 | 5.25672 | 0.00000 | 756227.9 | 194206.2 | 0.0 | U/P |
| 17.100 | 2.1314 | 0.0000 | 85.525 | 5.25627 | 0.00000 | 756291.7 | 194363.9 | 0.0 | U/P |
| 17.108 | 2.1410 | 0.0000 | 85.524 | 5.25582 | 0.00000 | 756355.8 | 194521.5 | 0.0 | U/P |
| 17.117 | 2.1511 | 0.0000 | 85.523 | 5.25537 | 0.00000 | 756420.2 | 194679.2 | 0.0 | U/P |
| 17.125 | 2.1619 | 0.0000 | 85.522 | 5.25492 | 0.00000 | 756484.9 | 194836.9 | 0.0 | U/P |
| 17.133 | 2.1729 | 0.0000 | 85.521 | 5.25447 | 0.00000 | 756549.9 | 194994.5 | 0.0 | U/P |
| 17.142 | 2.1843 | 0.0000 | 85.520 | 5.25403 | 0.00000 | 756615.3 | 195152.1 | 0.0 | U/P |
| 17.150 | 2.1957 | 0.0000 | 85.519 | 5.25358 | 0.00000 | 756680.9 | 195309.8 | 0.0 | U/P |
| 17.158 | 2.2072 | 0.0000 | 85.518 | 5.25314 | 0.00000 | 756747.0 | 195467.3 | 0.0 | U/P |
| 17.167 | 2.2185 | 0.0000 | 85.517 | 5.25270 | 0.00000 | 756813.4 | 195624.9 | 0.0 | U/P |
| 17.175 | 2.2298 | 0.0000 | 85.516 | 5.25226 | 0.00000 | 756880.1 | 195782.5 | 0.0 | U/P |
| 17.183 | 2.2408 | 0.0000 | 85.515 | 5.25183 | 0.00000 | 756947.2 | 195940.1 | 0.0 | U/P |
| 17.192 | 2.2514 | 0.0000 | 85.514 | 5.25139 | 0.00000 | 757014.6 | 196097.6 | 0.0 | U/P |
| 17.200 | 2.2616 | 0.0000 | 85.513 | 5.25096 | 0.00000 | 757082.3 | 196255.2 | 0.0 | U/P |
| 17.208 | 2.2714 | 0.0000 | 85.512 | 5.25053 | 0.00000 | 757150.3 | 196412.7 | 0.0 | U/P |
| 17.217 | 2.2808 | 0.0000 | 85.511 | 5.25010 | 0.00000 | 757218.5 | 196570.2 | 0.0 | U/P |
| 17.225 | 2.2897 | 0.0000 | 85.510 | 5.24967 | 0.00000 | 757287.1 | 196727.7 | 0.0 | U/P |
| 17.233 | 2.2980 | 0.0000 | 85.509 | 5.24924 | 0.00000 | 757355.9 | 196885.2 | 0.0 | U/P |
| 17.242 | 2.3058 | 0.0000 | 85.508 | 5.24881 | 0.00000 | 757424.9 | 197042.6 | 0.0 | U/P |
| 17.250 | 2.3128 | 0.0000 | 85.507 | 5.24839 | 0.00000 | 757494.3 | 197200.1 | 0.0 | U/P |
| 17.258 | 2.3192 | 0.0000 | 85.506 | 5.24796 | 0.00000 | 757563.7 | 197357.5 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{t}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ff}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 17.267 | 2.3251 | 0.0000 | 85.505 | 5.24754 | 0.00000 | 757633.4 | 197515.0 | 0.0 | U/P |
| 17.275 | 2.3303 | 0.0000 | 85.504 | 5.24712 | 0.00000 | 757703.2 | 197672.4 | 0.0 | U/P |
| 17.283 | 2.3352 | 0.0000 | 85.503 | 5.24669 | 0.00000 | 757773.2 | 197829.8 | 0.0 | U/P |
| 17.292 | 2.3396 | 0.0000 | 85.503 | 5.24627 | 0.00000 | 757843.3 | 197987.2 | 0.0 | U/P |
| 17.300 | 2.3437 | 0.0000 | 85.502 | 5.24585 | 0.00000 | 757913.6 | 198144.6 | 0.0 | U/P |
| 17.308 | 2.3474 | 0.0000 | 85.501 | 5.24543 | 0.00000 | 757983.9 | 198301.9 | 0.0 | U/P |
| 17.317 | 2.3509 | 0.0000 | 85.500 | 5.24501 | 0.00000 | 758054.4 | 198459.3 | 0.0 | U/P |
| 17.325 | 2.3541 | 0.0000 | 85.499 | 5.24459 | 0.00000 | 758125.0 | 198616.6 | 0.0 | U/P |
| 17.333 | 2.3570 | 0.0000 | 85.498 | 5.24418 | 0.00000 | 758195.6 | 198774.0 | 0.0 | U/P |
| 17.342 | 2.3598 | 0.0000 | 85.497 | 5.24376 | 0.00000 | 758266.4 | 198931.3 | 0.0 | U/P |
| 17.350 | 2.3623 | 0.0000 | 85.496 | 5.24334 | 0.00000 | 758337.3 | 199088.6 | 0.0 | U/P |
| 17.358 | 2.3646 | 0.0000 | 85.495 | 5.24292 | 0.00000 | 758408.1 | 199245.9 | 0.0 | U/P |
| 17.367 | 2.3668 | 0.0000 | 85.494 | 5.24251 | 0.00000 | 758479.1 | 199403.2 | 0.0 | U/P |
| 17.375 | 2.3688 | 0.0000 | 85.493 | 5.24209 | 0.00000 | 758550.1 | 199560.5 | 0.0 | U/P |
| 17.383 | 2.3706 | 0.0000 | 85.492 | 5.24167 | 0.00000 | 758621.3 | 199717.7 | 0.0 | U/P |
| 17.392 | 2.3722 | 0.0000 | 85.491 | 5.24126 | 0.00000 | 758692.4 | 199875.0 | 0.0 | U/P |
| 17.400 | 2.3738 | 0.0000 | 85.490 | 5.24084 | 0.00000 | 758763.6 | 200032.2 | 0.0 | U/P |
| 17.408 | 2.3752 | 0.0000 | 85.489 | 5.24043 | 0.00000 | 758834.8 | 200189.4 | 0.0 | U/P |
| 17.417 | 2.3765 | 0.0000 | 85.488 | 5.24001 | 0.00000 | 758906.1 | 200346.6 | 0.0 | U/P |
| 17.425 | 2.3777 | 0.0000 | 85.487 | 5.23960 | 0.00000 | 758977.4 | 200503.8 | 0.0 | U/P |
| 17.433 | 2.3788 | 0.0000 | 85.486 | 5.23918 | 0.00000 | 759048.8 | 200661.0 | 0.0 | U/P |
| 17.442 | 2.3799 | 0.0000 | 85.485 | 5.23877 | 0.00000 | 759120.1 | 200818.2 | 0.0 | U/P |
| 17.450 | 2.3808 | 0.0000 | 85.484 | 5.23836 | 0.00000 | 759191.5 | 200975.3 | 0.0 | U/P |
| 17.458 | 2.3817 | 0.0000 | 85.483 | 5.23794 | 0.00000 | 759262.9 | 201132.5 | 0.0 | U/P |
| 17.467 | 2.3825 | 0.0000 | 85.483 | 5.23753 | 0.00000 | 759334.4 | 201289.6 | 0.0 | U/P |
| 17.475 | 2.3832 | 0.0000 | 85.482 | 5.23711 | 0.00000 | 759405.9 | 201446.7 | 0.0 | U/P |
| 17.483 | 2.3839 | 0.0000 | 85.481 | 5.23670 | 0.00000 | 759477.4 | 201603.8 | 0.0 | U/P |
| 17.492 | 2.3845 | 0.0000 | 85.480 | 5.23629 | 0.00000 | 759548.9 | 201760.9 | 0.0 | U/P |
| 17.500 | 2.3850 | 0.0000 | 85.479 | 5.23587 | 0.00000 | 759620.5 | 201918.0 | 0.0 | U/P |
| 17.508 | 2.3852 | 0.0000 | 85.478 | 5.23546 | 0.00000 | 759692.1 | 202075.1 | 0.0 | U/P |
| 17.517 | 2.3850 | 0.0000 | 85.477 | 5.23505 | 0.00000 | 759763.6 | 202232.1 | 0.0 | U/P |
| 17.525 | 2.3842 | 0.0000 | 85.476 | 5.23463 | 0.00000 | 759835.1 | 202389.2 | 0.0 | U/P |
| 17.533 | 2.3828 | 0.0000 | 85.475 | 5.23422 | 0.00000 | 759906.6 | 202546.2 | 0.0 | U/P |
| 17.542 | 2.3807 | 0.0000 | 85.474 | 5.23381 | 0.00000 | 759978.1 | 202703.2 | 0.0 | U/P |
| 17.550 | 2.3778 | 0.0000 | 85.473 | 5.23339 | 0.00000 | 760049.4 | 202860.2 | 0.0 | U/P |
| 17.558 | 2.3740 | 0.0000 | 85.472 | 5.23298 | 0.00000 | 760120.8 | 203017.2 | 0.0 | U/P |
| 17.567 | 2.3691 | 0.0000 | 85.471 | 5.23256 | 0.00000 | 760191.9 | 203174.2 | 0.0 | U/P |
| 17.575 | 2.3630 | 0.0000 | 85.470 | 5.23215 | 0.00000 | 760262.9 | 203331.2 | 0.0 | U/P |
| 17.583 | 2.3555 | 0.0000 | 85.469 | 5.23173 | 0.00000 | 760333.6 | 203488.1 | 0.0 | U/P |
| 17.592 | 2.3467 | 0.0000 | 85.468 | 5.23132 | 0.00000 | 760404.2 | 203645.1 | 0.0 | U/P |
| 17.600 | 2.3365 | 0.0000 | 85.467 | 5.23090 | 0.00000 | 760474.4 | 203802.0 | 0.0 | U/P |
| 17.608 | 2.3250 | 0.0000 | 85.466 | 5.23048 | 0.00000 | 760544.4 | 203958.9 | 0.0 | U/P |
| 17.617 | 2.3126 | 0.0000 | 85.465 | 5.23005 | 0.00000 | 760613.9 | 204115.8 | 0.0 | U/P |
| 17.625 | 2.2993 | 0.0000 | 85.464 | 5.22963 | 0.00000 | 760683.1 | 204272.7 | 0.0 | U/P |
| 17.633 | 2.2854 | 0.0000 | 85.463 | 5.22921 | 0.00000 | 760751.9 | 204429.6 | 0.0 | U/P |
| 17.642 | 2.2710 | 0.0000 | 85.462 | 5.22878 | 0.00000 | 760820.2 | 204586.5 | 0.0 | U/P |
| 17.650 | 2.2563 | 0.0000 | 85.461 | 5.22835 | 0.00000 | 760888.1 | 204743.3 | 0.0 | U/P |
| 17.658 | 2.2415 | 0.0000 | 85.461 | 5.22792 | 0.00000 | 760955.6 | 204900.2 | 0.0 | U/P |
| 17.667 | 2.2268 | 0.0000 | 85.460 | 5.22748 | 0.00000 | 761022.6 | 205057.0 | 0.0 | U/P |
| 17.675 | 2.2120 | 0.0000 | 85.459 | 5.22705 | 0.00000 | 761089.2 | 205213.8 | 0.0 | U/P |
| 17.683 | 2.1976 | 0.0000 | 85.458 | 5.22661 | 0.00000 | 761155.3 | 205370.6 | 0.0 | U/P |
| 17.692 | 2.1836 | 0.0000 | 85.457 | 5.22617 | 0.00000 | 761221.1 | 205527.4 | 0.0 | U/P |
| 17.700 | 2.1700 | 0.0000 | 85.455 | 5.22573 | 0.00000 | 761286.4 | 205684.2 | 0.0 | U/P |
| 17.708 | 2.1570 | 0.0000 | 85.454 | 5.22529 | 0.00000 | 761351.3 | 205841.0 | 0.0 | U/P |
| 17.717 | 2.1445 | 0.0000 | 85.453 | 5.22484 | 0.00000 | 761415.8 | 205997.7 | 0.0 | U/P |
| 17.725 | 2.1327 | 0.0000 | 85.452 | 5.22439 | 0.00000 | 761479.9 | 206154.5 | 0.0 | U/P |
| 17.733 | 2.1214 | 0.0000 | 85.451 | 5.22394 | 0.00000 | 761543.8 | 206311.2 | 0.0 | U/P |
| 17.742 | 2.1109 | 0.0000 | 85.450 | 5.22349 | 0.00000 | 761607.3 | 206467.9 | 0.0 | U/P |
| 17.750 | 2.1013 | 0.0000 | 85.449 | 5.22304 | 0.00000 | 761670.4 | 206624.6 | 0.0 | U/P |
| 17.758 | 2.0925 | 0.0000 | 85.448 | 5.22259 | 0.00000 | 761733.3 | 206781.3 | 0.0 | U/P |
| 17.767 | 2.0845 | 0.0000 | 85.447 | 5.22213 | 0.00000 | 761796.0 | 206938.0 | 0.0 | U/P |
| 17.775 | 2.0773 | 0.0000 | 85.446 | 5.22168 | 0.00000 | 761858.4 | 207094.6 | 0.0 | U/P |
| 17.783 | 2.0707 | 0.0000 | 85.445 | 5.22122 | 0.00000 | 761920.6 | 207251.3 | 0.0 | U/P |
| 17.792 | 2.0647 | 0.0000 | 85.444 | 5.22076 | 0.00000 | 761982.7 | 207407.9 | 0.0 | U/P |
| 17.800 | 2.0591 | 0.0000 | 85.443 | 5.22030 | 0.00000 | 762044.5 | 207564.5 | 0.0 | U/P |
| 17.808 | 2.0539 | 0.0000 | 85.442 | 5.21984 | 0.00000 | 762106.2 | 207721.1 | 0.0 | U/P |
| 17.817 | 2.0492 | 0.0000 | 85.441 | 5.21938 | 0.00000 | 762167.8 | 207877.7 | 0.0 | U/P |
| 17.825 | 2.0448 | 0.0000 | 85.440 | 5.21892 | 0.00000 | 762229.2 | 208034.3 | 0.0 | U/P |
| 17.833 | 2.0408 | 0.0000 | 85.439 | 5.21846 | 0.00000 | 762290.4 | 208190.8 | 0.0 | U/P |
| 17.842 | 2.0370 | 0.0000 | 85.438 | 5.21800 | 0.00000 | 762351.6 | 208347.4 | 0.0 | U/P |
| 17.850 | 2.0335 | 0.0000 | 85.437 | 5.21754 | 0.00000 | 762412.7 | 208503.9 | 0.0 | U/P |
| 17.858 | 2.0303 | 0.0000 | 85.436 | 5.21707 | 0.00000 | 762473.6 | 208660.4 | 0.0 | U/P |
| 17.867 | 2.0273 | 0.0000 | 85.435 | 5.21661 | 0.00000 | 762534.5 | 208816.9 | 0.0 | U/P |
| 17.875 | 2.0245 | 0.0000 | 85.434 | 5.21614 | 0.00000 | 762595.3 | 208973.4 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overfiow <br> Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{fl}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 17.883 | 2.0220 | 0.0000 | 85.432 | 5.21568 | 0.00000 | 762656.0 | 209129.9 | 0.0 | U/P |
| 17.892 | 2.0197 | 0.0000 | 85.431 | 5.21522 | 0.00000 | 762716.6 | 209286.4 | 0.0 | U/P |
| 17.900 | 2.0175 | 0.0000 | 85.430 | 5.21475 | 0.00000 | 762777.2 | 209442.8 | 0.0 | U/P |
| 17.908 | 2.0156 | 0.0000 | 85.429 | 5.21428 | 0.00000 | 762837.6 | 209599.3 | 0.0 | U/P |
| 17.917 | 2.0137 | 0.0000 | 85.428 | 5.21382 | 0.00000 | 762898.1 | 209755.7 | 0.0 | U/P |
| 17.925 | 2.0121 | 0.0000 | 85.427 | 5.21335 | 0.00000 | 762958.5 | 209912.1 | 0.0 | U/P |
| 17.933 | 2.0105 | 0.0000 | 85.426 | 5.21289 | 0.00000 | 763018.8 | 210068.5 | 0.0 | U/P |
| 17.942 | 2.0091 | 0.0000 | 85.425 | 5.21242 | 0.00000 | 763079.1 | 210224.8 | 0.0 | U/P |
| 17.950 | 2.0078 | 0.0000 | 85.424 | 5.21195 | 0.00000 | 763139.4 | 210381.2 | 0.0 | U/P |
| 17.958 | 2.0066 | 0.0000 | 85.423 | 5.21149 | 0.00000 | 763199.6 | 210537.6 | 0.0 | U/P |
| 17.967 | 2.0055 | 0.0000 | 85.422 | 5.21102 | 0.00000 | 763259.8 | 210693.9 | 0.0 | U/P |
| 17.975 | 2.0044 | 0.0000 | 85.421 | 5.21055 | 0.00000 | 763319.9 | 210850.2 | 0.0 | U/P |
| 17.983 | 2.0035 | 0.0000 | 85.420 | 5.21009 | 0.00000 | 763380.0 | 211006.5 | 0.0 | U/P |
| 17.992 | 2.0026 | 0.0000 | 85.419 | 5.20962 | 0.00000 | 763440.1 | 211162.8 | 0.0 | U/P |
| 18.000 | 2.0018 | 0.0000 | 85.418 | 5.20915 | 0.00000 | 763500.2 | 211319.1 | 0.0 | U/P |
| 18.008 | 2.0009 | 0.0000 | 85.416 | 5.20869 | 0.00000 | 763560.3 | 211475.4 | 0.0 | U/P |
| 18.017 | 1.9997 | 0.0000 | 85.415 | 5.20822 | 0.00000 | 763620.3 | 211631.6 | 0.0 | U/P |
| 18.025 | 1.9981 | 0.0000 | 85.414 | 5.20775 | 0.00000 | 763680.2 | 211787.9 | 0.0 | U/P |
| 18.033 | 1.9961 | 0.0000 | 85.413 | 5.20728 | 0.00000 | 763740.1 | 211944.1 | 0.0 | U/P |
| 18.042 | 1.9934 | 0.0000 | 85.412 | 5.20681 | 0.00000 | 763799.9 | 212100.3 | 0.0 | U/P |
| 18.050 | 1.9900 | 0.0000 | 85.411 | 5.20635 | 0.00000 | 763859.7 | 212256.5 | 0.0 | U/P |
| 18.058 | 1.9859 | 0.0000 | 85.410 | 5.20588 | 0.00000 | 763919.4 | 212412.7 | 0.0 | U/P |
| 18.067 | 1.9808 | 0.0000 | 85.409 | 5.20541 | 0.00000 | 763978.9 | 212568.9 | 0.0 | U/P |
| 18.075 | 1.9746 | 0.0000 | 85.408 | 5.20494 | 0.00000 | 764038.2 | 212725.0 | 0.0 | U/P |
| 18.083 | 1.9672 | 0.0000 | 85.407 | 5.20447 | 0.00000 | 764097.3 | 212881.2 | 0.0 | U/P |
| 18.092 | 1.9585 | 0.0000 | 85.406 | 5.20399 | 0.00000 | 764156.2 | 213037.3 | 0.0 | U/P |
| 18.100 | 1.9483 | 0.0000 | 85.405 | 5.20352 | 0.00000 | 764214.8 | 213193.4 | 0.0 | U/P |
| 18.108 | 1.9370 | 0.0000 | 85.404 | 5.20305 | 0.00000 | 764273.1 | 213349.5 | 0.0 | U/P |
| 18.117 | 1.9245 | 0.0000 | 85.402 | 5.20257 | 0.00000 | 764331.0 | 213505.6 | 0.0 | U/P |
| 18.125 | 1.9112 | 0.0000 | 85.401 | 5.20209 | 0.00000 | 764388.6 | 213661.7 | 0.0 | U/P |
| 18.133 | 1.8971 | 0.0000 | 85.400 | 5.20161 | 0.00000 | 764445.7 | 213817.7 | 0.0 | U/P |
| 18.142 | 1.8826 | 0.0000 | 85.399 | 5.20113 | 0.00000 | 764502.4 | 213973.8 | 0.0 | U/P |
| 18.150 | 1.8676 | 0.0000 | 85.398 | 5.20064 | 0.00000 | 764558.6 | 214129.8 | 0.0 | U/P |
| 18.158 | 1.8526 | 0.0000 | 85.397 | 5.20016 | 0.00000 | 764614.4 | 214285.8 | 0.0 | U/P |
| 18.167 | 1.8375 | 0.0000 | 85.396 | 5.19967 | 0.00000 | 764669.8 | 214441.8 | 0.0 | U/P |
| 18.175 | 1.8225 | 0.0000 | 85.395 | 5.19918 | 0.00000 | 764724.7 | 214597.8 | 0.0 | U/P |
| 18.183 | 1.8076 | 0.0000 | 85.394 | 5.19869 | 0.00000 | 764779.1 | 214753.7 | 0.0 | U/P |
| 18.192 | 1.7931 | 0.0000 | 85.392 | 5.19819 | 0.00000 | 764833.1 | 214909.7 | 0.0 | U/P |
| 18.200 | 1.7791 | 0.0000 | 85.391 | 5.19769 | 0.00000 | 764886.7 | 215065.6 | 0.0 | U/P |
| 18.208 | 1.7656 | 0.0000 | 85.390 | 5.19719 | 0.00000 | 764939.9 | 215221.5 | 0.0 | U/P |
| 18.217 | 1.7527 | 0.0000 | 85.389 | 5.19669 | 0.00000 | 764992.6 | 215377.5 | 0.0 | U/P |
| 18.225 | 1.7403 | 0.0000 | 85.388 | 5.19619 | 0.00000 | 765045.1 | 215533.3 | 0.0 | U/P |
| 18.233 | 1.7286 | 0.0000 | 85.387 | 5.19569 | 0.00000 | 765097.1 | 215689.2 | 0.0 | U/P |
| 18.242 | 1.7176 | 0.0000 | 85.386 | 5.19518 | 0.00000 | 765148.8 | 215845.1 | 0.0 | U/P |
| 18.250 | 1.7074 | 0.0000 | 85.384 | 5.19467 | 0.00000 | 765200.1 | 216000.9 | 0.0 | U/P |
| 18.258 | 1.6981 | 0.0000 | 85.383 | 5.19416 | 0.00000 | 765251.3 | 216156.8 | 0.0 | U/P |
| 18.267 | 1.6897 | 0.0000 | 85.382 | 5.19365 | 0.00000 | 765302.1 | 216312.6 | 0.0 | U/P |
| 18.275 | 1.6820 | 0.0000 | 85.381 | 5.19314 | 0.00000 | 765352.6 | 216468.4 | 0.0 | U/P |
| 18.283 | \{6751 | 0.0000 | 85.380 | 5.19263 | 0.00000 | 765403.0 | 216624.2 | 0.0 | U/P |
| 18.292 | 1.6687 | 0.0000 | 85.379 | 5.19211 | 0.00000 | 765453.1 | 216780.0 | 0.0 | U/P |
| 18.300 | 1.6629 | 0.0000 | 85.377 | 5.19160 | 0.00000 | 765503.1 | 216935.7 | 0.0 | U/P |
| 18.308 | 1.6575 | 0.0000 | 85.376 | 5.19108 | 0.00000 | 765552.9 | 217091.4 | 0.0 | U/P |
| 18.317 | 1.6526 | 0.0000 | 85.375 | 5.19056 | 0.00000 | 765602.6 | 217247.2 | 0.0 | U/P |
| 18.325 | 1.6480 | 0.0000 | 85.374 | 5.19005 | 0.00000 | 765652.1 | 217402.9 | 0.0 | U/P |
| 18.333 | 1.6438 | 0.0000 | 85.373 | 5.18953 | 0.00000 | 765701.4 | 217558.6 | 0.0 | U/P |
| 18.342 | 1.6399 | 0.0000 | 85,371 | 5.18901 | 0.00000 | 765750.7 | 217714.3 | 0.0 | U/P |
| 18.350 | 1.6363 | 0.0000 | 85.370 | 5.18849 | 0.00000 | 765799.9 | 217869.9 | 0.0 | U/P |
| 18.358 | 1.6329 | 0.0000 | 85.369 | 5.18797 | 0.00000 | 765848.9 | 218025.6 | 0.0 | U/P |
| 18.367 | 1.6298 | 0.0000 | 85.368 | 5.18745 | 0.00000 | 765897.8 | 218181.2 | 0.0 | U/P |
| 18.375 | 1.6270 | 0.0000 | 85.367 | 5.18693 | 0.00000 | 765946.7 | 218336.8 | 0.0 | U/P |
| 18.383 | 1.6243 | 0.0000 | 85.365 | 5.18641 | 0.00000 | 765995.4 | 218492.4 | 0.0 | U/P |
| 18.392 | 1.6219 | 0.0000 | 85.364 | 5.18589 | 0.00000 | 766044.1 | 218648.0 | 0.0 | U/P |
| 18.400 | 1.6197 | 0.0000 | 85.363 | 5.18537 | 0.00000 | 766092.8 | 218803.6 | 0.0 | U/P |
| 18.408 | 1.6177 | 0.0000 | 85.362 | 5.18485 | 0.00000 | 766141.3 | 218959.1 | 0.0 | U/P |
| 18.417 | 1.6158 | 0.0000 | 85.361 | 5.18432 | 0.00000 | 766189.8 | 219114.7 | 0.0 | U/P |
| 18.425 | 1.6140 | 0.0000 | 85.359 | 5.18380 | 0.00000 | 766238.3 | 219270.2 | 0.0 | U/P |
| 18.433 | 1.6124 | 0.0000 | 85.358 | 5. $\ddagger 8328$ | 0.00000 | 766286.7 | 219425.7 | 0.0 | U/P |
| 18.442 | 1.6110 | 0.0000 | 85.357 | 5.18276 | 0.00000 | 766335.1 | 219581.2 | 0.0 | U/P |
| 18.450 | 1.6096 | 0.0000 | 85.356 | 5.18223 | 0.00000 | 766383.3 | 219736.6 | 0.0 | U/P |
| 18.458 | 1.6083 | 0.0000 | 85.355 | 5.18171 | 0.00000 | 766431.6 | 219892.1 | 0.0 | U/P |
| 18.467 | 1.6072 | 0.0000 | 85.354 | 5.18119 | 0.00000 | 766479.8 | 220047.5 | 0.0 | U/P |
| 18.475 | 1.6061 | 0.0000 | 85.352 | 5.18066 | 0.00000 | 766528.1 | 220203.0 | 0.0 | U/P |
| 18.483 | 1.6051 | 0.0000 | 85.351 | 5.18014 | 0.00000 | 766576.2 | 220358.4 | 0.0 | U/P |
| 18.492 | 1.6042 | 0.0000 | 85.350 | 5.17961 | 0.00000 | 766624.4 | 220513.8 | 0.0 | U/P |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: Pond 5100 yr / 24 hr

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infilitration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{H}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 18.500 | 1.6034 | 0.0000 | 85.349 | 5.17909 | 0.00000 | 766672.4 | 220669.2 | 0.0 | U/P |
| 18.508 | 1.6027 | 0.0000 | 85.348 | 5.17857 | 0.00000 | 766720.6 | 220824.5 | 0.0 | U/P |
| 18.517 | 1.6024 | 0.0000 | 85.346 | 5.17804 | 0.00000 | 766768.6 | 220979.9 | 0.0 | U/P |
| 18.525 | 1.6024 | 0.0000 | 85.345 | 5.17752 | 0.00000 | 766816.7 | 221135.2 | 0.0 | U/P |
| 18.533 | 1.6031 | 0.0000 | 85.344 | 5.17699 | 0.00000 | 766864.8 | 221290.5 | 0.0 | U/P |
| 18.542 | 1.6044 | 0.0000 | 85.343 | 5.17647 | 0.00000 | 766912.9 | 221445.8 | 0.0 | U/P |
| 18.550 | 1.6064 | 0.0000 | 85.342 | 5.17595 | 0.00000 | 766961.1 | 221601.1 | 0.0 | U/P |
| 18.558 | 1.6092 | 0.0000 | 85.340 | 5.17542 | 0.00000 | 767009.3 | 221756.4 | 0.0 | U/P |
| 18.567 | 1.6130 | 0.0000 | 85.339 | 5.17490 | 0.00000 | 767057.6 | 221911.6 | 0.0 | U/P |
| 18.575 | 1.6178 | 0.0000 | 85.338 | 5.17438 | 0.00000 | 767106.1 | 222066.9 | 0.0 | U/P |
| 18.583 | 1.6239 | 0.0000 | 85.337 | 5.17386 | 0.00000 | 767154.7 | 222222.1 | 0.0 | U/P |
| 18.592 | 1.6313 | 0.0000 | 85.336 | 5.17334 | 0.00000 | 767203.6 | 222377.3 | 0.0 | U/P |
| 18.600 | 1.6401 | 0.0000 | 85.334 | 5.17282 | 0.00000 | 767252.6 | 222532.5 | 0.0 | U/P |
| 18.608 | 1.6503 | 0.0000 | 85.333 | 5.17230 | 0.00000 | 767302.0 | 222687.7 | 0.0 | U/P |
| 18.617 | 1.6617 | 0.0000 | 85.332 | 5.17178 | 0.00000 | 767351.6 | 222842.8 | 0.0 | U/P |
| 18.625 | 1.6741 | 0.0000 | 85.331 | 5.17127 | 0.00000 | 767401.7 | 222998.0 | 0.0 | U/P |
| 18.633 | 1.6874 | 0.0000 | 85.330 | 5.17075 | 0.00000 | 767452.1 | 223153.1 | 0.0 | U/P |
| 18.642 | 1.7013 | 0.0000 | 85.328 | 5.17024 | 0.00000 | 767502.9 | 223308.2 | 0.0 | U/P |
| 18.650 | 1.7157 | 0.0000 | 85.327 | 5.16973 | 0.00000 | 767554.2 | 223463.3 | 0.0 | U/P |
| 18.658 | 1.7303 | 0.0000 | 85.326 | 5.16923 | 0.00000 | 767605.9 | 223618.4 | 0.0 | U/P |
| 18.667 | 1.7450 | 0.0000 | 85.325 | 5.16872 | 0.00000 | 767658.0 | 223773.5 | 0.0 | U/P |
| 18.675 | 1.7598 | 0.0000 | 85.324 | 5.16822 | 0.00000 | 767710.6 | 223928.5 | 0.0 | U/P |
| 18.683 | 1.7744 | 0.0000 | 85.323 | 5.16772 | 0.00000 | 767763.6 | 224083.6 | 0.0 | U/P |
| 18.692 | 1.7888 | 0.0000 | 85.322 | 5.16722 | 0.00000 | 767817.1 | 224238.6 | 0.0 | U/P |
| 18.700 | 1.8028 | 0.0000 | 85.320 | 5.16672 | 0.00000 | 767870.9 | 224393.6 | 0.0 | U/P |
| 18.708 | 1.8163 | 0.0000 | 85.319 | 5.16623 | 0.00000 | 767925.2 | 224548.6 | 0.0 | U/P |
| 18.717 | 1.8293 | 0.0000 | 85.318 | 5.16574 | 0.00000 | 767979.9 | 224703.6 | 0.0 | U/P |
| 18.725 | 1.8417 | 0.0000 | 85.317 | 5.16525 | 0.00000 | 768034.9 | 224858.5 | 0.0 | U/P |
| 18.733 | 1.8535 | 0.0000 | 85.316 | 5.16476 | 0.00000 | 768090.4 | 225013.5 | 0.0 | U/P |
| 18.742 | 1.8647 | 0.0000 | 85.315 | 5.16427 | 0.00000 | 768146.2 | 225168.4 | 0.0 | U/P |
| 18.750 | 1.8752 | 0.0000 | 85.314 | 5.16379 | 0.00000 | 768202.3 | 225323.4 | 0.0 | U/P |
| 18.758 | 1.8848 | 0.0000 | 85.313 | 5.16330 | 0.00000 | 768258.7 | 225478.3 | 0.0 | U/P |
| 18.767 | 1.8935 | 0.0000 | 85.312 | 5.16282 | 0.00000 | 768315.3 | 225633.2 | 0.0 | U/P |
| 18.775 | 1.9014 | 0.0000 | 85.310 | 5.16234 | 0.00000 | 768372.3 | 225788.0 | 0.0 | U/P |
| 18.783 | 1.9086 | 0.0000 | 85.309 | 5.16186 | 0.00000 | 768429.4 | 225942.9 | 0.0 | U/P |
| 18.792 | 1.9152 | 0.0000 | 85.308 | 5.16138 | 0.00000 | 768486.8 | 226097.8 | 0.0 | U/P |
| 18.800 | 1.9212 | 0.0000 | 85.307 | 5.16090 | 0.00000 | 768544.3 | 226252.6 | 0.0 | U/P |
| 18.808 | 1.9268 | 0.0000 | 85.306 | 5.16043 | 0.00000 | 768602.0 | 226407.4 | 0.0 | U/P |
| 18.817 | 1.9319 | 0.0000 | 85.305 | 5.15995 | 0.00000 | 768659.9 | 226562.2 | 0.0 | U/P |
| 18.825 | 1.9366 | 0.0000 | 85.304 | 5.15948 | 0.00000 | 768717.9 | 226717.0 | 0.0 | U/P |
| 18.833 | 1.9410 | 0.0000 | 85.303 | 5.15900 | 0.00000 | 768776.1 | 226871.8 | 0.0 | U/P |
| 18.842 | 1.9450 | 0.0000 | 85.302 | 5.15853 | 0.00000 | 768834.4 | 227026.5 | 0.0 | U/P |
| 18.850 | 1.9488 | 0.0000 | 85.301 | 5.15806 | 0.00000 | 768892.8 | 227181.3 | 0.0 | U/P |
| 18.858 | 1.9523 | 0.0000 | 85.300 | 5.15759 | 0.00000 | 768951.3 | 227336.0 | 0.0 | U/P |
| 18.867 | 1.9555 | 0.0000 | 85.298 | 5.15711 | 0.00000 | 769009.9 | 227490.7 | 0.0 | U/P |
| 18.875 | 1.9585 | 0.0000 | 85.297 | 5.15664 | 0.00000 | 769068.6 | 227645.5 | 0.0 | U/P |
| 18.883 | 1.9612 | 0.0000 | 85.296 | 5.15617 | 0.00000 | 769127.4 | 227800.1 | 0.0 | U/P |
| 18.892 | 1.9637 | 0.0000 | 85.295 | 5.15570 | 0.00000 | 769186.3 | 227954.8 | 0.0 | U/P |
| 18.900 | 1.9660 | 0.0000 | 85.294 | 5.15523 | 0.00000 | 769245.3 | 228109.5 | 0.0 | U/P |
| 18.908 | 1.9682 | 0.0000 | 85.293 | 5.15476 | 0.00000 | 769304.3 | 228264.1 | 0.0 | U/P |
| 18.917 | 1.9701 | 0.0000 | 85.292 | 5.15429 | 0.00000 | 769363.3 | 228418.8 | 0.0 | U/P |
| 18.925 | 1.9719 | 0.0000 | 85.291 | 5.15382 | 0.00000 | 769422.5 | 228573.4 | 0.0 | U/P |
| 18.933 | 1.9736 | 0.0000 | 85.290 | 5.15336 | 0.00000 | 769481.6 | 228728.0 | 0.0 | $U / P$ |
| 18.942 | 1.9751 | 0.0000 | 85.289 | 5.15289 | 0.00000 | 769540.9 | 228882.6 | 0.0 | U/P |
| 18.950 | 1.9766 | 0.0000 | 85.288 | 5.15242 | 0.00000 | 769600.2 | 229037.2 | 0.0 | U/P |
| 18.958 | 1.9779 | 0.0000 | 85.287 | 5.15195 | 0.00000 | 769659.5 | 229191.7 | 0.0 | U/P |
| 18.967 | 1.9791 | 0.0000 | 85.286 | 5.15148 | 0.00000 | 769718.8 | 229346.3 | 0.0 | U/P |
| 18.975 | 1.9802 | 0.0000 | 85.285 | 5.15102 | 0.00000 | 769778.3 | 229500.8 | 0.0 | U/P |
| 18.983 | 1.9812 | 0.0000 | 85.283 | 5.15055 | 0.00000 | 769837.6 | 229655.3 | 0.0 | U/P |
| 18.992 | 1.9822 | 0.0000 | 85.282 | 5.15008 | 0.00000 | 769897.1 | 229809.9 | 0.0 | U/P |
| 19.000 | 1.9830 | 0.0000 | 85.281 | 5.14961 | 0.00000 | 769956.6 | 229964.3 | 0.0 | U/P |
| 19.008 | 1.9838 | 0.0000 | 85.280 | 5.14915 | 0.00000 | 770016.1 | 230118.8 | 0.0 | U/P |
| 19.017 | 1.9841 | 0.0000 | 85.279 | 5.14868 | 0.00000 | 770075.6 | 230273.3 | 0.0 | U/P |
| 19.025 | 1.9838 | 0.0000 | 85.278 | 5.14821 | 0.00000 | 770135.1 | 230427.8 | 0.0 | U/P |
| 19.033 | 1.9825 | 0.0000 | 85.277 | 5.14775 | 0.00000 | 770194.6 | 230582.2 | 0.0 | U/P |
| 19.042 | 1.9800 | 0.0000 | 85.276 | 5.14728 | 0.00000 | 770254.1 | 230736.6 | 0.0 | U/P |
| 19.050 | 1.9762 | 0.0000 | 85.275 | 5.14681 | 0.00000 | 770313.4 | 230891.0 | 0.0 | U/P |
| 19.058 | 1.9709 | 0.0000 | 85.274 | 5.14635 | 0.00000 | 770372.6 | 231045.4 | 0.0 | U/P |
| 19.067 | 1.9638 | 0.0000 | 85.273 | 5.14588 | 0.00000 | 770431.6 | 231199.8 | 0.0 | U/P |
| 19.075 | 1.9549 | 0.0000 | 85.272 | 5.14541 | 0.00000 | 770490.4 | 231354.2 | 0.0 | U/P |
| 19.083 | 1.9436 | 0.0000 | 85.271 | 5.14494 | 0.00000 | 770548.9 | 231508.5 | 0.0 | U/P |
| 19.092 | 1.9298 | 0.0000 | 85.270 | 5.14447 | 0.00000 | 770607.0 | 231662.9 | 0.0 | U/P |
| 19.100 | 1.9131 | 0.0000 | 85.268 | 5.14399 | 0.00000 | 770664.6 | 231817.2 | 0.0 | U/P |
| 19.108 | 1.8936 | 0.0000 | 85.267 | 5.14352 | 0.00000 | 770721.7 | 231971.5 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{fl}^{3 / \mathrm{s}} \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{1 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 19.117 | 1.8717 | 0.0000 | 85.266 | 5.14304 | 0.00000 | 770778.2 | 232125.8 | 0.0 | U/P |
| 19.125 | 1.8475 | 0.0000 | 85.265 | 5.14255 | 0.00000 | 770834.0 | 232280.1 | 0.0 | U/P |
| 19.133 | 1.8215 | 0.0000 | 85.264 | 5.14207 | 0.00000 | 770889.0 | 232434.4 | 0.0 | U/P |
| 19.142 | 1.7940 | 0.0000 | 85.263 | 5.14158 | 0.00000 | 770943.3 | 232588.6 | 0.0 | U/P |
| 19.150 | 1.7655 | 0.0000 | 85.262 | 5.14108 | 0.00000 | 770996.6 | 232742.9 | 0.0 | U/P |
| 19.158 | 1.7361 | 0.0000 | 85.261 | 5.14058 | 0.00000 | 771049.2 | 232897.1 | 0.0 | U/P |
| 19.167 | 1.7066 | 0.0000 | 85.259 | 5.14008 | 0.00000 | 771100.8 | 233051.3 | 0.0 | U/P |
| 19.175 | 1.6769 | 0.0000 | 85.258 | 5.13957 | 0.00000 | 771151.6 | 233205.5 | 0.0 | U/P |
| 19.183 | 1.6474 | 0.0000 | 85.257 | 5.13906 | 0.00000 | 771201.4 | 233359.7 | 0.0 | U/P |
| 19.192 | 1.6180 | 0.0000 | 85.256 | 5.13855 | 0.00000 | 771250.4 | 233513.8 | 0.0 | U/P |
| 19.200 | 1.5896 | 0.0000 | 85.255 | 5.13803 | 0.00000 | 771298.5 | 233668.0 | 0.0 | U/P |
| 19.208 | \$.5620 | 0.0000 | 85.254 | 5.13750 | 0.00000 | 771345.8 | 233822.1 | 0.0 | U/P |
| 19.217 | 1.5354 | 0.0000 | 85.252 | 5.13697 | 0.00000 | 771392.3 | 233976.2 | 0.0 | U/P |
| 19.225 | 1.5099 | 0.0000 | 85.251 | 5.13644 | 0.00000 | 771437.9 | 234130.3 | 0.0 | U/P |
| 19.233 | 1.4856 | 0.0000 | 85.250 | 5.13591 | 0.00000 | 771482.9 | 234284.4 | 0.0 | U/P |
| 19.242 | 1.4625 | 0.0000 | 85.249 | 5.13537 | 0.00000 | 771527.1 | 234438.5 | 0.0 | U/P |
| 19.250 | 1.4408 | 0.0000 | 85.247 | 5.13482 | 0.00000 | 771570.6 | 234592.5 | 0.0 | U/P |
| 19.258 | 1.4207 | 0.0000 | 85.246 | 5.13428 | 0.00000 | 771613.6 | 234746.6 | 0.0 | U/P |
| 19.267 | 1.4023 | 0.0000 | 85.245 | 5.13373 | 0.00000 | 771655.9 | 234900.6 | 0.0 | U/P |
| 19.275 | 1.3857 | 0.0000 | 85.244 | 5.13318 | 0.00000 | 771697.8 | 235054.6 | 0.0 | U/P |
| 19.283 | 1.3706 | 0.0000 | 85.242 | 5.13262 | 0.00000 | 771739.1 | 235208.6 | 0.0 | U/P |
| $\uparrow 9.292$ | 1.3570 | 0.0000 | 85.241 | 5.13207 | 0.00000 | 771780.0 | 235362.6 | 0.0 | U/P |
| 19.300 | 1.3444 | 0.0000 | 85.240 | 5.13151 | 0.00000 | 771820.5 | 235516.5 | 0.0 | U/P |
| 19.308 | 1.3328 | 0.0000 | 85.239 | 5.13095 | 0.00000 | 771860.7 | 235670.5 | 0.0 | U/P |
| 19.317 | 1.3221 | 0.0000 | 85.237 | 5.13039 | 0.00000 | 771900.5 | 235824.4 | 0.0 | U/P |
| 19.325 | 1.3123 | 0.0000 | 85.236 | 5.12982 | 0.00000 | 771940.0 | 235978.3 | 0.0 | U/P |
| 19.333 | 1.3033 | 0.0000 | 85.235 | 5.12926 | 0.00000 | 771979.3 | 236132.2 | 0.0 | U/P |
| 19.342 | 1.2949 | 0.0000 | 85.233 | 5.12869 | 0.00000 | 772018.3 | 236286.0 | 0.0 | U/P |
| 19.350 | 1.2871 | 0.0000 | 85.232 | 5.12813 | 0.00000 | 772056.9 | 236439.9 | 0.0 | U/P |
| 19.358 | 1.2799 | 0.0000 | 85.231 | 5.12756 | 0.00000 | 772095.4 | 236593.7 | 0.0 | U/P |
| 19.367 | 1.2732 | 0.0000 | 85.229 | 5.12699 | 0.00000 | 772133.8 | 236747.5 | 0.0 | U/P |
| 19.375 | 1.2670 | 0.0000 | 85.228 | 5.12642 | 0.00000 | 772171.9 | 236901.3 | 0.0 | U/P |
| 19.383 | 1.2613 | 0.0000 | 85.227 | 5.12585 | 0.00000 | 772209.8 | 237055.1 | 0.0 | U/P |
| 19.392 | 1.2561 | 0.0000 | 85.226 | 5.12527 | 0.00000 | 772247.6 | 237208.9 | 0.0 | U/P |
| 19.400 | 1.2512 | 0.0000 | 85.224 | 5.12470 | 0.00000 | 772285.1 | 237362.6 | 0.0 | U/P |
| 19.408 | 1.2469 | 0.0000 | 85.223 | 5.12413 | 0.00000 | 772322.6 | 237516.4 | 0.0 | U/P |
| 19.417 | 1.2428 | 0.0000 | 85.222 | 5.12355 | 0.00000 | 772359.9 | 237670.1 | 0.0 | U/P |
| 19.425 | 1.2390 | 0.0000 | 85.220 | 5.12298 | 0.00000 | 772397.2 | 237823.8 | 0.0 | U/P |
| 19.433 | 1.2355 | 0.0000 | 85.219 | 5.12240 | 0.00000 | 772434.3 | 237977.5 | 0.0 | U/P |
| 19.442 | 1.2324 | 0.0000 | 85.218 | 5.12183 | 0.00000 | 772471.3 | 238131.1 | 0.0 | U/P |
| 19.450 | 1.2294 | 0.0000 | 85.216 | 5.12125 | 0.00000 | 772508.3 | 238284.8 | 0.0 | U/P |
| 19.458 | 1.2267 | 0.0000 | 85.215 | 5.12067 | 0.00000 | 772545.1 | 238438.4 | 0.0 | U/P |
| 19.467 | 1.2241 | 0.0000 | 85.214 | 5.12010 | 0.00000 | 772581.9 | 238592.0 | 0.0 | U/P |
| 19.475 | 1.2219 | 0.0000 | 85.212 | 5.11952 | 0.00000 | 772618.6 | 238745.6 | 0.0 | U/P |
| 19.483 | 1.2197 | 0.0000 | 85.211 | 5.11894 | 0.00000 | 772655.2 | 238899.2 | 0.0 | U/P |
| 19.492 | 1.2178 | 0.0000 | 85.210 | 5.11836 | 0.00000 | 772691.8 | 239052.8 | 0.0 | U/P |
| 19.500 | 1.2160 | 0.0000 | 85.208 | 5.11778 | 0.00000 | 772728.3 | 239206.3 | 0.0 | U/P |
| 19.508 | 1.2143 | 0.0000 | 85.207 | 5.11721 | 0.00000 | 772764.7 | 239359.8 | 0.0 | U/P |
| 19.517 | 1.2130 | 0.0000 | 85.206 | 5.11663 | 0.00000 | 772801.1 | 239513.3 | 0.0 | U/P |
| 19.525 | 1.2120 | 0.0000 | 85.204 | 5.11605 | 0.00000 | 772837.5 | 239666.8 | 0.0 | U/P |
| 19.533 | 1.2115 | 0.0000 | 85.203 | 5.11547 | 0.00000 | 772873.8 | 239820.3 | 0.0 | U/P |
| 19.542 | 1.2119 | 0.0000 | 85.202 | 5.11489 | 0.00000 | 772910.2 | 239973.7 | 0.0 | U/P |
| 19.550 | 1.2130 | 0.0000 | 85.200 | 5.11431 | 0.00000 | 772946.6 | 240127.2 | 0.0 | U/P |
| 19.558 | 1.2150 | 0.0000 | 85.199 | 5.11373 | 0.00000 | 772983.0 | 240280.6 | 0.0 | U/P |
| 19.567 | 1.2181 | 0.0000 | 85.198 | 5.11315 | 0.00000 | 773019.5 | 240434.0 | 0.0 | U/P |
| 19.575 | 1.2223 | 0.0000 | 85.196 | 5.11257 | 0.00000 | 773056.1 | 240587.4 | 0.0 | U/P |
| 19.583 | 1.2279 | 0.0000 | 85.195 | 5.11200 | 0.00000 | 773092.8 | 240740.8 | 0.0 | U/P |
| 19.592 | 1.2349 | 0.0000 | 85.194 | 5.11142 | 0.00000 | 773129.8 | 240894.1 | 0.0 | U/P |
| 19.600 | 1.2436 | 0.0000 | 85.193 | 5.11085 | 0.00000 | 773166.9 | 241047.4 | 0.0 | U/P |
| 19.608 | 1.2540 | 0.0000 | 85.191 | 5.11027 | 0.00000 | 773204.4 | 241200.8 | 0.0 | U/P |
| 19.617 | 1.2661 | 0.0000 | 85.190 | 5.10970 | 0.00000 | 773242.2 | 241354.0 | 0.0 | U/P |
| 19.625 | 1.2796 | 0.0000 | 85.189 | 5.10913 | 0.00000 | 773280.4 | 241507.3 | 0.0 | U/P |
| 19.633 | 1.2943 | 0.0000 | 85.187 | 5.10856 | 0.00000 | 773319.0 | 241660.6 | 0.0 | U/P |
| 19.642 | 1.3101 | 0.0000 | 85.186 | 5.10799 | 0.00000 | 773358.1 | 241813.8 | 0.0 | U/P |
| 19.650 | 1.3267 | 0.0000 | 85.185 | 5.10743 | 0.00000 | 773397.6 | 241967.1 | 0.0 | U/P |
| 19.658 | 1.3438 | 0.0000 | 85.183 | 5.10687 | 0.00000 | 773437.7 | 242120.3 | 0.0 | U/P |
| 19.667 | 1.3612 | 0.0000 | 85.182 | 5.10631 | 0.00000 | 773478.3 | 242273.5 | 0.0 | U/P |
| 19.675 | 1.3787 | 0.0000 | 85.181 | 5.10575 | 0.00000 | 773519.4 | 242426.7 | 0.0 | U/P |
| 19.683 | 1.3963 | 0.0000 | 85.180 | 5.10520 | 0.00000 | 773561.0 | 242579.8 | 0.0 | U/P |
| 19.692 | 1.4138 | 0.0000 | 85,178 | 5.10464 | 0.00000 | 773603.1 | 242733.0 | 0.0 | U/P |
| 19.700 | 1.4309 | 0.0000 | 85.177 | 5.10410 | 0.00000 | 773645.8 | 242886.1 | 0.0 | U/P |
| 19.708 | 1.4476 | 0.0000 | 85.176 | 5.10355 | 0.00000 | 773689.0 | 243039.2 | 0.0 | U/P |
| 19.717 | 1.4636 | 0.0000 | 85.175 | 5.10301 | 0.00000 | 773732.6 | 243192.3 | 0.0 | U/P |
| 19.725 | 1.4791 | 0.0000 | 85.173 | 5.10246 | 0.00000 | 773776.8 | 243345.4 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Infiow Rate ( $\mathrm{f} 3 / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative infiow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 19.733 | 1.4939 | 0.0000 | 85.172 | 5.10193 | 0.00000 | 773821.4 | 243498.5 | 0.0 | U/P |
| 19.742 | 1.5080 | 0.0000 | 85.171 | 5.10139 | 0.00000 | 773866.4 | 243651.5 | 0.0 | U/P |
| 19.750 | 1.5213 | 0.0000 | 85.170 | 5.10085 | 0.00000 | 773911.9 | 243804.6 | 0.0 | U/P |
| 19.758 | 1.5337 | 0.0000 | 85.169 | 5.10032 | 0.00000 | 773957.7 | 243957.6 | 0.0 | U/P |
| 19.767 | 1.5452 | 0.0000 | 85.167 | 5.09979 | 0.00000 | 774003.9 | 244110.6 | 0.0 | U/P |
| 19.775 | 1.5555 | 0.0000 | 85.166 | 5.09926 | 0.00000 | 774050.4 | 244263.6 | 0.0 | U/P |
| 19.783 | 1.5650 | 0.0000 | 85.165 | 5.09873 | 0.00000 | 774097.2 | 244416.5 | 0.0 | U/P |
| 19.792 | 1.5735 | 0.0000 | 85.164 | 5.09821 | 0.00000 | 774144.3 | 244569.5 | 0.0 | U/P |
| 19.800 | 1.5813 | 0.0000 | 85.162 | 5.09768 | 0.00000 | 774191.6 | 244722.4 | 0.0 | U/P |
| 19.808 | 1.5885 | 0.0000 | 85.161 | 5.09716 | 0.00000 | 774239.1 | 244875.3 | 0.0 | U/P |
| 19.817 | 1.5952 | 0.0000 | 85.160 | 5.09664 | 0.00000 | 774286.9 | 245028.3 | 0.0 | U/P |
| 19.825 | 1.6013 | 0.0000 | 85.159 | 5.09612 | 0.00000 | 774334.8 | 245181.1 | 0.0 | U/P |
| 19.833 | 1.6069 | 0.0000 | 85.158 | 5.09559 | 0.00000 | 774382.9 | 245334.0 | 0.0 | U/P |
| 19.842 | 1.6121 | 0.0000 | 85.157 | 5.09508 | 0.00000 | 774431.3 | 245486.9 | 0.0 | U/P |
| 19.850 | 1.6170 | 0.0000 | 85.155 | 5.09456 | 0.00000 | 774479.7 | 245639.7 | 0.0 | U/P |
| 19.858 | 1.6215 | 0.0000 | 85.154 | 5.09404 | 0.00000 | 774528.3 | 245792.6 | 0.0 | U/P |
| 19.867 | 1.6257 | 0.0000 | 85.153 | 5.09352 | 0.00000 | 774576.9 | 245945.4 | 0.0 | U/P |
| 19.875 | 1.6295 | 0.0000 | 85.152 | 5.09300 | 0.00000 | 774625.8 | 246098.2 | 0.0 | U/P |
| 19.883 | 1.6331 | 0.0000 | 85.151 | 5.09249 | 0.00000 | 774674.8 | 246251.0 | 0.0 | U/P |
| 19.892 | 1.6364 | 0.0000 | 85.149 | 5.09197 | 0.00000 | 774723.8 | 246403.7 | 0.0 | U/P |
| 19.900 | 1.6394 | 0.0000 | 85.148 | 5.09146 | 0.00000 | 774772.9 | 246556.5 | 0.0 | U/P |
| 19.908 | 1.6421 | 0.0000 | 85.147 | 5.09094 | 0.00000 | 774822.1 | 246709.2 | 0.0 | U/P |
| 19.917 | 1.6447 | 0.0000 | 85.146 | 5.09043 | 0.00000 | 774871.4 | 246861.9 | 0.0 | U/P |
| 19.925 | 1.6470 | 0.0000 | 85.145 | 5.08991 | 0.00000 | 774920.8 | 247014.6 | 0.0 | U/P |
| 19.933 | 1.6492 | 0.0000 | 85.144 | 5.08940 | 0.00000 | 774970.3 | 247167.3 | 0.0 | U/P |
| 19.942 | 1.6512 | 0.0000 | 85.142 | 5.08889 | 0.00000 | 775019.8 | 247320.0 | 0.0 | U/P |
| 19.950 | 1.6530 | 0.0000 | 85.141 | 5.08838 | 0.00000 | 775069.3 | 247472.7 | 0.0 | U/P |
| 19.958 | 1.6547 | 0.0000 | 85.140 | 5.08786 | 0.00000 | 775118.9 | 247625.3 | 0.0 | U/P |
| 19.967 | 1.6563 | 0.0000 | 85.139 | 5.08735 | 0.00000 | 775168.6 | 247777.9 | 0.0 | U/P |
| 19.975 | 1.6577 | 0.0000 | 85.138 | 5.08684 | 0.00000 | 775218.3 | 247930.5 | 0.0 | U/P |
| 19.983 | 1.6591 | 0.0000 | 85.137 | 5.08633 | 0.00000 | 775268.1 | 248083.1 | 0.0 | U/P |
| 19.992 | 1.6603 | 0.0000 | 85.135 | 5.08582 | 0.00000 | 775317.9 | 248235.7 | 0.0 | U/P |
| 20.000 | 1.6609 | 0.0000 | 85.134 | 5.08530 | 0.00000 | 775367.7 | 248388.3 | 0.0 | U/P |
| 20.008 | 1.6610 | 0.0000 | 85.133 | 5.08479 | 0.00000 | 775417.5 | 248540.8 | 0.0 | U/P |
| 20.017 | 1.6599 | 0.0000 | 85.132 | 5.08428 | 0.00000 | 775467.3 | 248693.4 | 0.0 | U/P |
| 20.025 | 1.6575 | 0.0000 | 85.131 | 5.08377 | 0.00000 | 775517.1 | 248845.9 | 0.0 | U/P |
| 20.033 | 1.6536 | 0.0000 | 85.130 | 5.08326 | 0.00000 | 775566.8 | 248998.4 | 0.0 | U/P |
| 20.042 | 1.6482 | 0.0000 | 85.128 | 5.08275 | 0.00000 | 775616.3 | 249150.9 | 0.0 | U/P |
| 20.050 | 1.6408 | 0.0000 | 85.127 | 5.08223 | 0.00000 | 775665.6 | 249303.4 | 0.0 | U/P |
| 20.058 | 1.6313 | 0.0000 | 85.126 | 5.08172 | 0.00000 | 775714.7 | 249455.8 | 0.0 | U/P |
| 20.067 | 1.6192 | 0.0000 | 85.125 | 5.08121 | 0.00000 | 775763.4 | 249608.3 | 0.0 | U/P |
| 20.075 | 1.6044 | 0.0000 | 85.124 | 5.08069 | 0.00000 | 775811.8 | 249760.7 | 0.0 | U/P |
| 20.083 | 1.5865 | 0.0000 | 85.122 | 5.08017 | 0.00000 | 775859.7 | 249913.1 | 0.0 | U/P |
| 20.092 | 1.5654 | 0.0000 | 85.121 | 5.07965 | 0.00000 | 775906.9 | 250065.5 | 0.0 | U/P |
| 20.100 | 1.5417 | 0.0000 | 85.120 | 5.07912 | 0.00000 | 775953.6 | 250217.9 | 0.0 | U/P |
| 20.108 | 1.5153 | 0.0000 | 85.119 | 5.07859 | 0.00000 | 775999.4 | 250370.3 | 0.0 | U/P |
| 20.117 | 1.4870 | 0.0000 | 85.118 | 5.07806 | 0.00000 | 776044.4 | 250522.6 | 0.0 | U/P |
| 20.125 | 1.4569 | 0.0000 | 85.116 | 5.07752 | 0.00000 | 776088.6 | 250674.9 | 0.0 | U/P |
| 20.133 | 1.4257 | 0.0000 | 85.115 | 5.07698 | 0.00000 | 776131.8 | 250827.3 | 0.0 | U/P |
| 20.142 | 1.3935 | 0.0000 | 85.114 | 5.07644 | 0.00000 | 776174.1 | 250979.6 | 0.0 | U/P |
| 20.150 | 1.3611 | 0.0000 | 85.113 | 5.07589 | 0.00000 | 776215.4 | 251131.8 | 0.0 | U/P |
| 20.158 | 1.3286 | 0.0000 | 85.111 | 5.07533 | 0.00000 | 776255.8 | 251284.1 | 0.0 | U/P |
| 20.167 | 1.2961 | 0.0000 | 85.110 | 5.07477 | 0.00000 | 776295.1 | 251436.4 | 0.0 | U/P |
| 20.175 | 1.2638 | 0.0000 | 85.109 | 5.07420 | 0.00000 | 776333.6 | 251588.6 | 0.0 | U/P |
| 20.183 | 1.2325 | 0.0000 | 85.107 | 5.07363 | 0.00000 | 776371.0 | 251740.8 | 0.0 | U/P |
| 20.192 | 1.2021 | 0.0000 | 85.106 | 5.07306 | 0.00000 | 776407.5 | 251893.0 | 0.0 | U/P |
| 20.200 | 1.1728 | 0.0000 | 85.105 | 5.07248 | 0.00000 | 776443.1 | 252045.2 | 0.0 | U/P |
| 20.208 | 1.1447 | 0.0000 | 85.103 | 5.07190 | 0.00000 | 776477.9 | 252197.4 | 0.0 | U/P |
| 20.217 | 1.1179 | 0.0000 | 85.102 | 5.07131 | 0.00000 | 776511.8 | 252349.5 | 0.0 | U/P |
| 20.225 | 1.0924 | 0.0000 | 85.101 | 5.07072 | 0.00000 | 776545.0 | 252501.6 | 0.0 | U/P |
| 20.233 | 1.0685 | 0.0000 | 85.099 | 5.07012 | 0.00000 | 776577.4 | 252653.8 | 0.0 | U/P |
| 20.242 | 1.0462 | 0.0000 | 85.098 | 5.06952 | 0.00000 | 776609.1 | 252805.8 | 0.0 | U/P |
| 20.250 | 1.0259 | 0.0000 | 85.097 | 5.06892 | 0.00000 | 776640.2 | 252957.9 | 0.0 | U/P |
| 20.258 | 1.0075 | 0.0000 | 85.095 | 5.06832 | 0.00000 | 776670.7 | 253110.0 | 0.0 | U/P |
| 20.267 | 0.9908 | 0.0000 | 85.094 | 5.06771 | 0.00000 | 776700.7 | 253262.0 | 0.0 | U/P |
| 20.275 | 0.9757 | 0.0000 | 85.092 | 5.06710 | 0.00000 | 776730.2 | 253414.0 | 0.0 | U/P |
| 20.283 | 0.9618 | 0.0000 | 85.091 | 5.06648 | 0.00000 | 776759.3 | 253566.0 | 0.0 | U/P |
| 20.292 | 0.9490 | 0.0000 | 85.090 | 5.06587 | 0.00000 | 776787.9 | 253718.0 | 0.0 | U/P |
| 20.300 | 0.9372 | 0.0000 | 85.088 | 5.06525 | 0.00000 | 776816.2 | 253870.0 | 0.0 | U/P |
| 20.308 | 0.9264 | 0.0000 | 85.087 | 5.06463 | 0.00000 | 776844.1 | 254022.0 | 0.0 | U/P |
| 20.317 | 0.9164 | 0.0000 | 85.085 | 5.06401 | 0.00000 | 776871.8 | 254173.9 | 0.0 | U/P |
| 20.325 | 0.9072 | 0.0000 | 85.084 | 5.06339 | 0.00000 | 776899.1 | 254325.8 | 0.0 | U/P |
| 20.333 | 0.8986 | 0.0000 | 85.083 | 5.06277 | 0.00000 | 776926.3 | 254477.7 | 0.0 | U/P |
| 20.342 | 0.8905 | 0.0000 | 85.081 | 5.06215 | 0.00000 | 776953.1 | 254629.6 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate (f13/s) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{fl}^{3 / \mathrm{s}}$ ) | Overlow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{fl}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume (f $f^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 20.350 | 0.8831 | 0.0000 | 85,080 | 5.06152 | 0.00000 | 776979.7 | 254781.4 | 0.0 | U/P |
| 20.358 | 0.8763 | 0.0000 | 85.078 | 5.06089 | 0.00000 | 777006.1 | 254933.3 | 0.0 | U/P |
| 20.367 | 0.8700 | 0.0000 | 85.077 | 5.06027 | 0.00000 | 777032.3 | 255085.1 | 0.0 | U/P |
| 20.375 | 0.8642 | 0.0000 | 85.075 | 5.05964 | 0.00000 | 777058.3 | 255236.9 | 0.0 | U/P |
| 20.383 | 0.8588 | 0.0000 | 85.074 | 5.05901 | 0.00000 | 777084.1 | 255388.6 | 0.0 | U/P |
| 20.392 | 0.8540 | 0.0000 | 85.072 | 5.05838 | 0.00000 | 777109.8 | 255540.4 | 0.0 | U/P |
| 20.400 | 0.8495 | 0.0000 | 85.071 | 5.05775 | 0.00000 | 777135.4 | 255692.1 | 0.0 | U/P |
| 20.408 | 0.8453 | 0.0000 | 85.070 | 5.05712 | 0.00000 | 777160.8 | 255843.9 | 0.0 | U/P |
| 20.417 | 0.8414 | 0.0000 | 85.068 | 5.05648 | 0.00000 | 777186.1 | 255995.6 | 0.0 | U/P |
| 20.425 | 0.8379 | 0.0000 | 85.067 | 5.05585 | 0.00000 | 777211.3 | 256147.3 | 0.0 | U/P |
| 20.433 | 0.8346 | 0.0000 | 85.065 | 5.05522 | 0.00000 | 777236.4 | 256298.9 | 0.0 | U/P |
| 20.442 | 0.8316 | 0.0000 | 85.064 | 5.05458 | 0.00000 | 777261.4 | 256450.6 | 0.0 | U/P |
| 20.450 | 0.8288 | 0.0000 | 85.062 | 5.05395 | 0.00000 | 777286.3 | 256602.2 | 0.0 | U/P |
| 20.458 | 0.8263 | 0.0000 | 85.061 | 5.05332 | 0.00000 | 777311.1 | 256753.8 | 0.0 | U/P |
| 20.467 | 0.8239 | 0.0000 | 85.059 | 5.05268 | 0.00000 | 777335.8 | 256905.4 | 0.0 | U/P |
| 20.475 | 0.8218 | 0.0000 | 85.058 | 5.05205 | 0.00000 | 777360.5 | 257057.0 | 0.0 | U/P |
| 20.483 | 0.8198 | 0.0000 | 85.057 | 5.05141 | 0.00000 | 777385.1 | 257208.5 | 0.0 | U/P |
| 20.492 | 0.8179 | 0.0000 | 85.055 | 5.05077 | 0.00000 | 777409.7 | 257360.0 | 0.0 | U/P |
| 20.500 | 0.8164 | 0.0000 | 85.054 | 5.05014 | 0.00000 | 777434.3 | 257511.6 | 0.0 | U/P |
| 20.508 | 0.8151 | 0.0000 | 85.052 | 5.04950 | 0.00000 | 777458.7 | 257663.1 | 0.0 | U/P |
| 20.517 | 0.8144 | 0.0000 | 85.051 | 5.04887 | 0.00000 | 777483.1 | 257814.5 | 0.0 | U/P |
| 20.525 | 0.8143 | 0.0000 | 85.049 | 5.04823 | 0.00000 | 777507.6 | 257966.0 | 0.0 | U/P |
| 20.533 | 0.8149 | 0.0000 | 85.048 | 5.04759 | 0.00000 | 777532.0 | 258117.4 | 0.0 | U/P |
| 20.542 | 0.8162 | 0.0000 | 85.046 | 5.04696 | 0.00000 | 777556.5 | 258268.8 | 0.0 | U/P |
| 20.550 | 0.8184 | 0.0000 | 85.045 | 5.04632 | 0.00000 | 777581.0 | 258420.3 | 0.0 | U/P |
| 20.558 | 0.8216 | 0.0000 | 85.043 | 5.04568 | 0.00000 | 777605.6 | 258571.6 | 0.0 | U/P |
| 20.567 | 0.8260 | 0.0000 | 85.042 | 5.04505 | 0.00000 | 777630.3 | 258723.0 | 0.0 | U/P |
| 20.575 | 0.8315 | 0.0000 | 85.041 | 5.04441 | 0.00000 | 777655.2 | 258874.3 | 0.0 | U/P |
| 20.583 | 0.8385 | 0.0000 | 85.039 | 5.04378 | 0.00000 | 777680.3 | 259025.7 | 0.0 | U/P |
| 20.592 | 0.8469 | 0.0000 | 85.038 | 5.04315 | 0.00000 | 777705.5 | 259177.0 | 0.0 | U/P |
| 20.600 | 0.8566 | 0.0000 | 85.036 | 5.04252 | 0.00000 | 777731.1 | 259328.2 | 0.0 | U/P |
| 20.608 | 0.8676 | 0.0000 | 85.035 | 5.04189 | 0.00000 | 777756.9 | 259479.5 | 0.0 | U/P |
| 20.617 | 0.8797 | 0.0000 | 85.033 | 5.04126 | 0.00000 | 777783.1 | 259630.8 | 0.0 | U/P |
| 20.625 | 0.8927 | 0.0000 | 85.032 | 5.04063 | 0.00000 | 777809.7 | 259782.0 | 0.0 | U/P |
| 20.633 | 0.9063 | 0.0000 | 85.030 | 5.04001 | 0.00000 | 777836.7 | 259933.2 | 0.0 | U/P |
| 20.642 | 0.9204 | 0.0000 | 85.029 | 5.03938 | 0.00000 | 777864.1 | 260084.4 | 0.0 | U/P |
| 20.650 | 0.9348 | 0.0000 | 85.028 | 5.03876 | 0.00000 | 777891.9 | 260235.6 | 0.0 | U/P |
| 20.658 | 0.9493 | 0.0000 | 85.026 | 5.03815 | 0.00000 | 777920.2 | 260386.7 | 0.0 | U/P |
| 20.667 | 0.9638 | 0.0000 | 85.025 | 5.03753 | 0.00000 | 777948.9 | 260537.8 | 0.0 | U/P |
| 20.675 | 0.9783 | 0.0000 | 85.023 | 5.03692 | 0.00000 | 777978.0 | 260689.0 | 0.0 | U/P |
| 20.683 | 0.9926 | 0.0000 | 85.022 | 5.03630 | 0.00000 | 778007.6 | 260840.1 | 0.0 | U/P |
| 20.692 | 1.0064 | 0.0000 | 85.021 | 5.03569 | 0.00000 | 778037.6 | 260991.1 | 0.0 | U/P |
| 20.700 | 1.0197 | 0.0000 | 85.019 | 5.03509 | 0.00000 | 778067.9 | 261142.2 | 0.0 | U/P |
| 20.708 | 1.0326 | 0.0000 | 85.018 | 5.03448 | 0.00000 | 778098.8 | 261293.3 | 0.0 | U/P |
| 20.717 | 1.0449 | 0.0000 | 85.016 | 5.03388 | 0.00000 | 778129.9 | 261444.3 | 0.0 | U/P |
| 20.725 | 1.0566 | 0.0000 | 85.015 | 5.03328 | 0.00000 | 778161.4 | 261595.3 | 0.0 | U/P |
| 20.733 | 1.0677 | 0.0000 | 85.014 | 5.03268 | 0.00000 | 778193.3 | 261746.3 | 0.0 | U/P |
| 20.742 | 1.0781 | 0.0000 | 85.012 | 5.03208 | 0.00000 | 778225.5 | 261897.2 | 0.0 | U/P |
| 20.750 | 1.0876 | 0.0000 | 85.011 | 5.03148 | 0.00000 | 778257.9 | 262048.2 | 0.0 | U/P |
| 20.758 | 1.0963 | 0.0000 | 85.010 | 5.03089 | 0.00000 | 778290.8 | 262199.1 | 0.0 | U/P |
| 20.767 | 1.1042 | 0.0000 | 85.008 | 5.03029 | 0.00000 | 778323.8 | 262350.0 | 0.0 | U/P |
| 20.775 | 1.1113 | 0.0000 | 85.007 | 5.02970 | 0.00000 | 778356.9 | 262500.9 | 0.0 | U/P |
| 20.783 | 1.1179 | 0.0000 | 85.006 | 5.02911 | 0.00000 | 778390.4 | 262651.8 | 0.0 | U/P |
| 20.792 | 1.1239 | 0.0000 | 85.004 | 5.02852 | 0.00000 | 778424.0 | 262802.7 | 0.0 | U/P |
| 20.800 | 1.1294 | 0.0000 | 85.003 | 5.02793 | 0.00000 | 778457.8 | 262953.5 | 0.0 | U/P |
| 20.808 | 1.1346 | 0.0000 | 85.002 | 5.02734 | 0.00000 | 778491.8 | 263104.4 | 0.0 | U/P |
| 20.817 | 1.1393 | 0.0000 | 85.000 | 5.02675 | 0.00000 | 778525.9 | 263255.2 | 0.0 | U/P |
| 20.825 | 1.1437 | 0.0000 | 84.999 | 5.02617 | 0.00000 | 778560.1 | 263406.0 | 0.0 | U/P |
| 20.833 | 1.1477 | 0.0000 | 84.997 | 5.02559 | 0.00000 | 778594.5 | 263556.8 | 0.0 | U/P |
| 20.842 | 1.1515 | 0.0000 | 84.996 | 5.02501 | 0.00000 | 778629.0 | 263707.5 | 0.0 | U/P |
| 20.850 | 1.1550 | 0.0000 | 84.995 | 5.02442 | 0.00000 | 778663.6 | 263858.3 | 0.0 | U/P |
| 20.858 | 1.1582 | 0.0000 | 84.993 | 5.02384 | 0.00000 | 778698.3 | 264009.0 | 0.0 | U/P |
| 20.867 | 1.1612 | 0.0000 | 84.992 | 5.02326 | 0.00000 | 778733.1 | 264159.7 | 0.0 | U/P |
| 20.875 | 1.1639 | 0.0000 | 84.991 | 5.02269 | 0.00000 | 778767.9 | 264310.4 | 0.0 | U/P |
| 20.883 | 1.1665 | 0.0000 | 84.989 | 5.02211 | 0.00000 | 778802.9 | 264461.0 | 0.0 | U/P |
| 20.892 | 1.1688 | 0.0000 | 84.988 | 5.02153 | 0.00000 | 778837.9 | 264611.7 | 0.0 | U/P |
| 20.900 | 1.1709 | 0.0000 | 84.987 | 5.02095 | 0.00000 | 778873.1 | 264762.3 | 0.0 | U/P |
| 20.908 | 1.1729 | 0.0000 | 84.985 | 5.02037 | 0.00000 | 778908.2 | 264912.9 | 0.0 | U/P |
| 20.917 | 1.1747 | 0.0000 | 84.984 | 5.01979 | 0.00000 | 778943.4 | 265063.6 | 0.0 | U/P |
| 20.925 | 1.1764 | 0.0000 | 84.983 | 5.01922 | 0.00000 | 778978.7 | 265214.1 | 0.0 | U/P |
| 20.933 | 1.1779 | 0.0000 | 84.981 | 5.01864 | 0.00000 | 779014.0 | 265364.7 | 0.0 | U/P |
| 20.942 | 1.1793 | 0.0000 | 84.980 | 5.01806 | 0.00000 | 779049.4 | 265515.3 | 0.0 | U/P |
| 20.950 | 1.1807 | 0.0000 | 84.979 | 5.01749 | 0.00000 | 779084.8 | 265665.8 | 0.0 | U/P |
| 20.958 | 1.1819 | 0.0000 | 84.977 | 5.01691 | 0.00000 | 779120.2 | 265816.3 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) $\because:$ Scenario $1::$ Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / 3} \mathrm{~s}$ ) | Overtlow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 20.967 | 1.1830 | 0.0000 | 84.976 | 5.01633 | 0.00000 | 779155.7 | 265966.8 | 0.0 | U/P |
| 20.975 | 1.1840 | 0.0000 | 84.975 | 5.01576 | 0.00000 | 779191.2 | 266117.3 | 0.0 | U/P |
| 20.983 | 1.1849 | 0.0000 | 84.974 | 5.01518 | 0.00000 | 779226.7 | 266267.8 | 0.0 | U/P |
| 20.992 | 1.1858 | 0.0000 | 84.972 | 5.01461 | 0.00000 | 779262.3 | 266418.2 | 0.0 | U/P |
| 21.000 | 1.1866 | 0.0000 | 84.971 | 5.01403 | 0.00000 | 779297.9 | 266568.6 | 0.0 | U/P |
| 21.008 | 1.1871 | 0.0000 | 84.970 | 5.01346 | 0.00000 | 779333.4 | 266719.0 | 0.0 | U/P |
| 21.017 | 1.1873 | 0.0000 | 84.968 | 5.01288 | 0.00000 | 779369.1 | 266869.4 | 0.0 | U/P |
| 21.025 | 1.1870 | 0.0000 | 84.967 | 5.01231 | 0.00000 | 779404.7 | 267019.8 | 0.0 | U/P |
| 21.033 | 1.1861 | 0.0000 | 84.966 | 5.01173 | 0.00000 | 779440.3 | 267170.2 | 0.0 | U/P |
| 21.042 | 1.1845 | 0.0000 | 84.964 | 5.01116 | 0.00000 | 779475.8 | 267320.5 | 0.0 | U/P |
| 21.050 | 1.1821 | 0.0000 | 84.963 | 5.01058 | 0.00000 | 779511.3 | 267470.8 | 0.0 | U/P |
| 21.058 | 1.1788 | 0.0000 | 84.962 | 5.01001 | 0.00000 | 779546.8 | 267621.2 | 0.0 | U/P |
| 21.067 | 1.1746 | 0.0000 | 84.960 | 5.00943 | 0.00000 | 779582.1 | 267771.4 | 0.0 | U/P |
| 21.075 | 1.1692 | 0.0000 | 84.959 | 5.00885 | 0.00000 | 779617.2 | 267921.7 | 0.0 | U/P |
| 21.083 | 1.1626 | 0.0000 | 84.958 | 5.00827 | 0.00000 | 779652.2 | 268072.0 | 0.0 | U/P |
| 21.092 | 1.1545 | 0.0000 | 84.956 | 5.00770 | 0.00000 | 779686.9 | 268222.2 | 0.0 | U/P |
| 21.100 | 1.1449 | 0.0000 | 84.955 | 5.00712 | 0.00000 | 779721.4 | 268372.4 | 0.0 | U/P |
| 21.108 | 1.1342 | 0.0000 | 84.954 | 5.00653 | 0.00000 | 779755.6 | 268522.6 | 0.0 | U/P |
| 21.117 | 1.1222 | 0.0000 | 84.952 | 5.00595 | 0.00000 | 779789.5 | 268672.8 | 0.0 | U/P |
| 21.125 | 1.1094 | 0.0000 | 84.951 | 5.00537 | 0.00000 | 779822.9 | 268823.0 | 0.0 | U/P |
| 21.133 | 1.0957 | 0.0000 | 84.950 | 5.00478 | 0.00000 | 779856.0 | 268973.2 | 0.0 | U/P |
| 21.142 | 1.0816 | 0.0000 | 84.948 | 5.00419 | 0.00000 | 779888.7 | 269123.3 | 0.0 | U/P |
| 21.150 | 1.0671 | 0.0000 | 84.947 | 5.00360 | 0.00000 | 779920.9 | 269273.4 | 0.0 | U/P |
| 21.158 | 1.0524 | 0.0000 | 84.945 | 5.00301 | 0.00000 | 779952.7 | 269423.5 | 0.0 | U/P |
| 21.167 | 1.0376 | 0.0000 | 84.944 | 5.00241 | 0.00000 | 779984.1 | 269573.6 | 0.0 | U/P |
| 21.175 | 1.0230 | 0.0000 | 84.943 | 5.00182 | 0.00000 | 780014.9 | 269723.7 | 0.0 | U/P |
| 21.183 | 1.0083 | 0.0000 | 84.941 | 5.00122 | 0.00000 | 780045.4 | 269873.7 | 0.0 | U/P |
| 21.192 | 0.9942 | 0.0000 | 84.940 | 5.00061 | 0.00000 | 780075.5 | 270023.7 | 0.0 | U/P |
| 21.200 | 0.9804 | 0.0000 | 84.939 | 5.00001 | 0.00000 | 780105.1 | 270173.7 | 0.0 | U/P |
| 21.208 | 0.9672 | 0.0000 | 84.937 | 4.99940 | 0.00000 | 780134.3 | 270323.7 | 0.0 | U/P |
| 21.217 | 0.9545 | 0.0000 | 84.936 | 4.99880 | 0.00000 | 780163.1 | 270473.7 | 0.0 | U/P |
| 21.225 | 0.9423 | 0.0000 | 84.934 | 4.99819 | 0.00000 | 780191.6 | 270623.7 | 0.0 | U/P |
| 21.233 | 0.9308 | 0.0000 | 84.933 | 4.99758 | 0.00000 | 780219.7 | 270773.6 | 0.0 | U/P |
| 21.242 | 0.9200 | 0.0000 | 84.932 | 4.99696 | 0.00000 | 780247.4 | 270923.5 | 0.0 | U/P |
| 21.250 | 0.9099 | 0.0000 | 84.930 | 4.99635 | 0.00000 | 780274.9 | 271073.4 | 0.0 | U/P |
| 21.258 | 0.9007 | 0.0000 | 84.929 | 4.99573 | 0.00000 | 780302.1 | 271223.3 | 0.0 | U/P |
| 21.267 | 0.8924 | 0.0000 | 84.927 | 4.99511 | 0.00000 | 780328.9 | 271373.2 | 0.0 | U/P |
| 21.275 | 0.8849 | 0.0000 | 84.926 | 4.99450 | 0.00000 | 780355.6 | 271523.0 | 0.0 | U/P |
| 21.283 | 0.8781 | 0.0000 | 84.924 | 4.99388 | 0.00000 | 780382.1 | 271672.8 | 0.0 | U/P |
| 21.292 | 0.8718 | 0.0000 | 84.923 | 4.99325 | 0.00000 | 780408.3 | 271822.6 | 0.0 | U/P |
| 21.300 | 0.8660 | 0.0000 | 84.922 | 4.99263 | 0.00000 | 780434.4 | 271972.4 | 0.0 | U/P |
| 21.308 | 0.8606 | 0.0000 | 84.920 | 4.99201 | 0.00000 | 780460.3 | 272122.2 | 0.0 | U/P |
| 21.317 | 0.8557 | 0.0000 | 84.919 | 4.99139 | 0.00000 | 780486.0 | 272271.9 | 0.0 | U/P |
| 21.325 | 0.8512 | 0.0000 | 84.917 | 4.99076 | 0.00000 | 780511.6 | 272421.7 | 0.0 | U/P |
| 21.333 | 0.8470 | 0.0000 | 84.916 | 4.99014 | 0.00000 | 780537.1 | 272571.4 | 0.0 | U/P |
| 21.342 | 0.8431 | 0.0000 | 84.914 | 4.98951 | 0.00000 | 780562.4 | 272721.1 | 0.0 | U/P |
| 21.350 | 0.8395 | 0.0000 | 84.913 | 4.98888 | 0.00000 | 780587.7 | 272870.8 | 0.0 | U/P |
| 21.358 | 0.8361 | 0.0000 | 84.911 | 4.98826 | 0.00000 | 780612.8 | 273020.4 | 0.0 | U/P |
| 21.367 | 0.8330 | 0.0000 | 84.910 | 4.98763 | 0.00000 | 780637.9 | 273170.0 | 0.0 | U/P |
| 21.375 | 0.8302 | 0.0000 | 84.909 | 4.98700 | 0.00000 | 780662.8 | 273319.7 | 0.0 | U/P |
| 21.383 | 0.8275 | 0.0000 | 84.907 | 4.98637 | 0.00000 | 780687.7 | 273469.3 | 0.0 | U/P |
| 21.392 | 0.8251 | 0.0000 | 84.906 | 4.98575 | 0.00000 | 780712.4 | 273618.8 | 0.0 | U/P |
| 21.400 | 0.8229 | 0.0000 | 84.904 | 4.98512 | 0.00000 | 780737.2 | 273768.4 | 0.0 | U/P |
| 21.408 | 0.8209 | 0.0000 | 84.903 | 4.98449 | 0.00000 | 780761.8 | 273917.9 | 0.0 | U/P |
| 21.417 | 0.8190 | 0.0000 | 84.901 | 4.98386 | 0.00000 | 780786.4 | 274067.5 | 0.0 | U/P |
| 21.425 | 0.8172 | 0.0000 | 84.900 | 4.98323 | 0.00000 | 780810.9 | 274217.0 | 0.0 | U/P |
| 21.433 | 0.8156 | 0.0000 | 84.898 | 4.98260 | 0.00000 | 780835.4 | 274366.5 | 0.0 | U/P |
| 21.442 | 0.8142 | 0.0000 | 84.897 | 4.98197 | 0.00000 | 780859.9 | 274515.9 | 0.0 | U/P |
| 21.450 | 0.8128 | 0.0000 | 84.895 | 4.98134 | 0.00000 | 780884.3 | 274665.4 | 0.0 | U/P |
| 21.458 | 0.8115 | 0.0000 | 84.894 | 4.98071 | 0.00000 | 780908.7 | 274814.8 | 0.0 | U/P |
| 21.467 | 0.8104 | 0.0000 | 84.893 | 4.98008 | 0.00000 | 780933.0 | 274964.2 | 0.0 | U/P |
| 21.475 | 0.8093 | 0.0000 | 84.891 | 4.97945 | 0.00000 | 780957.3 | 275113.6 | 0.0 | U/P |
| 21.483 | 0.8083 | 0.0000 | 84.890 | 4.97882 | 0.00000 | 780981.6 | 275263.0 | 0.0 | U/P |
| 21.492 | 0.8074 | 0.0000 | 84.888 | 4.97818 | 0.00000 | 781005.8 | 275412.3 | 0.0 | U/P |
| 21.500 | 0.8066 | 0.0000 | 84.887 | 4.97755 | 0.00000 | 781030.0 | 275561.7 | 0.0 | U/P |
| 21.508 | 0.8061 | 0.0000 | 84.885 | 4.97692 | 0.00000 | 781054.2 | 275711.0 | 0.0 | U/P |
| 21.517 | 0.8060 | 0.0000 | 84.884 | 4.97629 | 0.00000 | 781078.4 | 275860.3 | 0.0 | U/P |
| 21.525 | 0.8068 | 0.0000 | 84.882 | 4.97566 | 0.00000 | 781102.6 | 276009.6 | 0.0 | U/P |
| 21.533 | 0.8087 | 0.0000 | 84.881 | 4.97503 | 0.00000 | 781126.8 | 276158.8 | 0.0 | U/P |
| 21.542 | 0.8118 | 0.0000 | 84.879 | 4.97440 | 0.00000 | 781151.1 | 276308.1 | 0.0 | U/P |
| 21.550 | 0.8163 | 0.0000 | 84.878 | 4.97376 | 0.00000 | 781175.6 | 276457.3 | 0.0 | U/P |
| 21.558 | 0.8225 | 0.0000 | 84.877 | 4.97314 | 0.00000 | 781200.1 | 276606.5 | 0.0 | U/P |
| 21.567 | 0.8304 | 0.0000 | 84.875 | 4.97251 | 0.00000 | 781224.9 | 276755.7 | 0.0 | U/P |
| 21.575 | 0.8405 | 0.0000 | 84.874 | 4.97188 | 0.00000 | 781250.0 | 276904.9 | 0.0 | $\mathrm{U} / \mathrm{P}$ |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: Pond 5100 yr/24 hr

| Elapsed Time (hours) | Inflow Rate ( $f^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / 3}$ ) | Overlow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | $\begin{aligned} & \text { Cumufative } \\ & \text { Inflow } \\ & \text { volume }\left(\mathrm{ft}^{3}\right) \end{aligned}$ | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 21.583 | 0.8530 | 0.0000 | 84.872 | 4.97125 | 0.00000 | 781275.4 | 277054.0 | 0.0 | U/P |
| 21.592 | 0.8682 | 0.0000 | 84.871 | 4.97063 | 0.00000 | 781301.2 | 277203.1 | 0.0 | U/P |
| 21.600 | 0.8862 | 0.0000 | 84.869 | 4.97001 | 0.00000 | 781327.5 | 277352.3 | 0.0 | U/P |
| 21.608 | 0.9068 | 0.0000 | 84.868 | 4.96939 | 0.00000 | 781354.4 | 277501.3 | 0.0 | U/P |
| 21.617 | 0.9298 | 0.0000 | 84.867 | 4.96877 | 0.00000 | 781381.9 | 277650.4 | 0.0 | U/P |
| 21.625 | 0.9549 | 0.0000 | 84.865 | 4.96816 | 0.00000 | 781410.3 | 277799.5 | 0.0 | U/P |
| 21.633 | 0.9816 | 0.0000 | 84.864 | 4.96755 | 0.00000 | 781439.3 | 277948.5 | 0.0 | U/P |
| 21.642 | 1.0096 | 0.0000 | 84.862 | 4.96695 | 0.00000 | 781469.1 | 278097.5 | 0.0 | U/P |
| 21.650 | 1.0385 | 0.0000 | 84.861 | 4.96635 | 0.00000 | 781499.9 | 278246.5 | 0.0 | U/P |
| 21.658 | 1.0679 | 0.0000 | 84.860 | 4.96575 | 0.00000 | 781531.4 | 278395.5 | 0.0 | U/P |
| 21.667 | 1.0975 | 0.0000 | 84.858 | 4.96516 | 0.00000 | 781563.9 | 278544.5 | 0.0 | U/P |
| 21.675 | 1.1271 | 0.0000 | 84.857 | 4.96457 | 0.00000 | 781597.3 | 278693.4 | 0.0 | U/P |
| 21.683 | 1.1566 | 0.0000 | 84.856 | 4.96399 | 0.00000 | 781631.6 | 278842.3 | 0.0 | U/P |
| 21.692 | 1.1855 | 0.0000 | 84.854 | 4.96341 | 0.00000 | 781666.7 | 278991.3 | 0.0 | U/P |
| 21.700 | 1.2135 | 0.0000 | 84.853 | 4.96284 | 0.00000 | 781702.7 | 279140.1 | 0.0 | U/P |
| 21.708 | 1.2406 | 0.0000 | 84.852 | 4.96227 | 0.00000 | 781739.5 | 279289.0 | 0.0 | U/P |
| 21.717 | 1.2666 | 0.0000 | 84.850 | 4.96170 | 0.00000 | 781777.7 | 279437.9 | 0.0 | U/P |
| 21.725 | 1.2915 | 0.0000 | 84.849 | 4.96114 | 0.00000 | 781815.5 | 279586.7 | 0.0 | U/P |
| 21.733 | 1.3153 | 0.0000 | 84.848 | 4.96058 | 0.00000 | 781854.6 | 279735.5 | 0.0 | U/P |
| 21.742 | 1.3377 | 0.0000 | 84.846 | 4.96003 | 0.00000 | 781894.4 | 279884.3 | 0.0 | U/P |
| 21.750 | 1.3586 | 0.0000 | 84.845 | 4.95948 | 0.00000 | 781934.8 | 280033.2 | 0.0 | U/P |
| 21.758 | 1.3779 | 0.0000 | 84.844 | 4.95893 | 0.00000 | 781975.9 | 280181.9 | 0.0 | U/P |
| 21.767 | 1.3954 | 0.0000 | 84.843 | 4.95839 | 0.00000 | 782017.4 | 280330.7 | 0.0 | U/P |
| 21.775 | 1.4113 | 0.0000 | 84.841 | 4.95785 | 0.00000 | 782059.6 | 280479.4 | 0.0 | U/P |
| 21.783 | 1.4256 | 0.0000 | 84.840 | 4.95731 | 0.00000 | 782102.1 | 280628.2 | 0.0 | U/P |
| 21.792 | 1.4388 | 0.0000 | 84.839 | 4.95677 | 0.00000 | 782145.1 | 280776.9 | 0.0 | U/P |
| 21.800 | 1.4509 | 0.0000 | 84.838 | 4.95624 | 0.00000 | 782188.4 | 280925.6 | 0.0 | U/P |
| 21.808 | 1.4620 | 0.0000 | 84.837 | 4.95570 | 0.00000 | 782232.1 | 281074.3 | 0.0 | U/P |
| 21.817 | 1.4723 | 0.0000 | 84.835 | 4.95517 | 0.00000 | 782276.1 | 281222.9 | 0.0 | U/P |
| 21.825 | 1.4817 | 0.0000 | 84.834 | 4.95464 | 0.00000 | 782320.4 | 281371.5 | 0.0 | U/P |
| 21.833 | 1.4904 | 0.0000 | 84.833 | 4.95411 | 0.00000 | 782365.0 | 281520.2 | 0.0 | U/P |
| 21.842 | 1.4985 | 0.0000 | 84.832 | 4.95359 | 0.00000 | 782409.9 | 281668.8 | 0.0 | U/P |
| 21.850 | 1.5060 | 0.0000 | 84.830 | 4.95306 | 0.00000 | 782454.9 | 281817.4 | 0.0 | U/P |
| 21.858 | 1.5130 | 0.0000 | 84.829 | 4.95254 | 0.00000 | 782500.2 | 281966.0 | 0.0 | U/P |
| 21.867 | 1.5194 | 0.0000 | 84.828 | 4.95201 | 0.00000 | 782545.7 | 282114.5 | 0.0 | U/P |
| 21.875 | 1.5254 | 0.0000 | 84.827 | 4.95149 | 0.00000 | 782591.4 | 282263.1 | 0.0 | U/P |
| 21.883 | 1.5309 | 0.0000 | 84.826 | 4.95097 | 0.00000 | 782637.3 | 282411.6 | 0.0 | U/P |
| 21.892 | 1.5359 | 0.0000 | 84.824 | 4.95045 | 0.00000 | 782683.3 | 282560.2 | 0.0 | U/P |
| 21.900 | 1.5405 | 0.0000 | 84.823 | 4.94993 | 0.00000 | 782729.4 | 282708.7 | 0.0 | U/P |
| 21.908 | 1.5447 | 0.0000 | 84.822 | 4.94941 | 0.00000 | 782775.6 | 282857.2 | 0.0 | U/P |
| 21.917 | 1.5487 | 0.0000 | 84.821 | 4.94889 | 0.00000 | 782822.1 | 283005.6 | 0.0 | U/P |
| 21.925 | 1.5523 | 0.0000 | 84.820 | 4.94837 | 0.00000 | 782868.6 | 283154.1 | 0.0 | U/P |
| 21.933 | 1.5556 | 0.0000 | 84.818 | 4.94786 | 0.00000 | 782915.2 | 283302.5 | 0.0 | U/P |
| 21.942 | 1.5587 | 0.0000 | 84.817 | 4.94734 | 0.00000 | 782961.9 | 283451.0 | 0.0 | U/P |
| 21.950 | 1.5616 | 0.0000 | 84.816 | 4.94682 | 0.00000 | 783008.7 | 283599.4 | 0.0 | U/P |
| 21.958 | 1.5642 | 0.0000 | 84.815 | 4.94631 | 0.00000 | 783055.6 | 283747.8 | 0.0 | U/P |
| 21,967 | 1.5666 | 0.0000 | 84.814 | 4.94579 | 0.00000 | 783102.6 | 283896.2 | 0.0 | U/P |
| 21.975 | 1.5688 | 0.0000 | 84.813 | 4.94528 | 0.00000 | 783149.6 | 284044.5 | 0.0 | U/P |
| 21.983 | 1.5709 | 0.0000 | 84.811 | 4.94476 | 0.00000 | 783196.7 | 284192.9 | 0.0 | U/P |
| 21.992 | 1.5727 | 0.0000 | 84.810 | 4.94425 | 0.00000 | 783243.8 | 284341.2 | 0.0 | U/P |
| 22.000 | 1.5745 | 0.0000 | 84.809 | 4.94374 | 0.00000 | 783291.1 | 284489.5 | 0.0 | U/P |
| 22.008 | 1.5760 | 0.0000 | 84.808 | 4.94322 | 0.00000 | 783338.3 | 284637.8 | 0.0 | U/P |
| 22.017 | 1.5770 | 0.0000 | 84.807 | 4.94271 | 0.00000 | 783385.6 | 284786.1 | 0.0 | U/P |
| 22.025 | 1.5775 | 0.0000 | 84.805 | 4.94220 | 0.00000 | 783432.9 | 284934.4 | 0.0 | U/P |
| 22.033 | 1.5767 | 0.0000 | 84.804 | 4.94168 | 0.00000 | 783480.3 | 285082.7 | 0.0 | U/P |
| 22.042 | \$. 5748 | 0.0000 | 84.803 | 4.94117 | 0.00000 | 783527.5 | 285230.9 | 0.0 | U/P |
| 22.050 | 1.5715 | 0.0000 | 84.802 | 4.94066 | 0.00000 | 783574.7 | 285379.1 | 0.0 | U/P |
| 22.058 | 1.5668 | 0.0000 | 84.801 | 4.94014 | 0.00000 | 783621.8 | 285527.3 | 0.0 | U/P |
| 22.067 | 1.5601 | 0.0000 | 84.800 | 4.93963 | 0.00000 | 783668.7 | 285675.5 | 0.0 | U/P |
| 22.075 | 1.5516 | 0.0000 | 84.798 | 4.93911 | 0.00000 | 783715.4 | 285823.7 | 0.0 | U/P |
| 22.083 | 1.5407 | 0.0000 | 84.797 | 4.93859 | 0.00000 | 783761.8 | 285971.9 | 0.0 | U/P |
| 22.092 | 1.5273 | 0.0000 | 84.796 | 4.93808 | 0.00000 | 783807.8 | 286120.0 | 0.0 | U/P |
| 22.100 | 1.5110 | 0.0000 | 84.795 | 4.93756 | 0.00000 | 783853.3 | 286268.2 | 0.0 | U/P |
| 22.108 | 1.4918 | 0.0000 | 84.794 | 4.93703 | 0.00000 | 783898.4 | 286416.3 | 0.0 | U/P |
| 22.117 | 1.4702 | 0.0000 | 84.792 | 4.93651 | 0.00000 | 783942.8 | 286564.4 | 0.0 | U/P |
| 22.125 | 1.4462 | 0.0000 | 84.791 | 4.93598 | 0.00000 | 783986.6 | 286712.5 | 0.0 | U/P |
| 22.133 | 1.4205 | 0.0000 | 84.790 | 4.93544 | 0.00000 | 784029.6 | 286860.5 | 0.0 | U/P |
| 22.142 | 1.3932 | 0.0000 | 84.789 | 4.93491 | 0.00000 | 784071.8 | 287008.6 | 0.0 | U/P |
| 22.150 | 1.3649 | 0.0000 | 84.787 | 4.93437 | 0.00000 | 784113.1 | 287156.6 | 0.0 | U/P |
| 22.158 | 1.3357 | 0.0000 | 84.786 | 4.93382 | 0.00000 | 784153.6 | 287304.7 | 0.0 | U/P |
| 22.167 | 1.3064 | 0.0000 | 84.785 | 4.93327 | 0.00000 | 784193.3 | 287452.7 | 0.0 | U/P |
| 22.175 | 1.2769 | 0.0000 | 84.784 | 4.93272 | 0.00000 | 784232.0 | 287600.7 | 0.0 | U/P |
| 22.183 | 1.2475 | 0.0000 | 84.782 | 4.93216 | 0.00000 | 784269.9 | 287748.6 | 0.0 | U/P |
| 22.192 | 1.2183 | 0.0000 | 84.781 | 4.93160 | 0.00000 | 784306.9 | 287896.6 | 0.0 | U/P |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (F/day) | Stage Elevation (ft datum) | Infilitration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $t^{3}$ ) | Cumulative Infilltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative <br> Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 22.200 | 1.1900 | 0.0000 | 84.780 | 4.93103 | 0.00000 | 784343.0 | 288044.5 | 0.0 | U/P |
| 22.208 | 1.1626 | 0.0000 | 84.778 | 4.93046 | 0.00000 | 784378.3 | 288192.4 | 0.0 | U/P |
| 22.217 | 1.1361 | 0.0000 | 84.777 | 4.92988 | 0.00000 | 784412.8 | 288340.3 | 0.0 | U/P |
| 22.225 | 1.1108 | 0.0000 | 84.776 | 4.92930 | 0.00000 | 784446.4 | 288488.2 | 0.0 | U/P |
| 22.233 | 1.0865 | 0.0000 | 84.774 | 4.92872 | 0.00000 | 784479.4 | 288636.1 | 0.0 | U/P |
| 22.242 | 1.0635 | 0.0000 | 84.773 | 4.92813 | 0.00000 | 784511.7 | 288784.0 | 0.0 | U/P |
| 22.250 | 1.0420 | 0.0000 | 84.772 | 4.92754 | 0.00000 | 784543.3 | 288931.8 | 0.0 | U/P |
| 22.258 | 1.0219 | 0.0000 | 84.770 | 4.92695 | 0.00000 | 784574.2 | 289079.6 | 0.0 | U/P |
| 22.267 | 1.0036 | 0.0000 | 84.769 | 4.92635 | 0.00000 | 784604.6 | 289227.4 | 0.0 | U/P |
| 22.275 | 0.9871 | 0.0000 | 84.767 | 4.92575 | 0.00000 | 784634.4 | 289375.2 | 0.0 | U/P |
| 22.283 | 0.9720 | 0.0000 | 84.766 | 4.92515 | 0.00000 | 784663.8 | 289522.9 | 0.0 | U/P |
| 22.292 | 0.9584 | 0.0000 | 84.765 | 4.92454 | 0.00000 | 784692.8 | 289670.7 | 0.0 | U/P |
| 22,300 | 0.9459 | 0.0000 | 84.763 | 4.92393 | 0.00000 | 784721.4 | 289818.4 | 0.0 | U/P |
| 22.308 | 0.9343 | 0.0000 | 84.762 | 4.92333 | 0.00000 | 784749.6 | 289966.1 | 0.0 | U/P |
| 22.317 | 0.9237 | 0.0000 | 84.760 | 4.92271 | 0.00000 | 784777.4 | 290113.8 | 0.0 | U/P |
| 22.325 | 0.9139 | 0.0000 | 84.759 | 4.92210 | 0.00000 | 784805.0 | 290261.5 | 0.0 | U/P |
| 22.333 | 0.9048 | 0.0000 | 84.758 | 4.92149 | 0.00000 | 784832.3 | 290409.2 | 0.0 | U/P |
| 22.342 | 0.8965 | 0.0000 | 84.756 | 4.92087 | 0.00000 | 784859.3 | 290556.8 | 0.0 | U/P |
| 22.350 | 0.8887 | 0.0000 | 84.755 | 4.92026 | 0.00000 | 784886.1 | 290704.4 | 0.0 | U/P |
| 22.358 | 0.8815 | 0.0000 | 84.753 | 4.91964 | 0.00000 | 784912.6 | 290852.0 | 0.0 | U/P |
| 22.367 | 0.8748 | 0.0000 | 84.752 | 4.91902 | 0.00000 | 784939.0 | 290999.6 | 0.0 | U/P |
| 22.375 | 0.8686 | 0.0000 | 84.750 | 4.91840 | 0.00000 | 784965.1 | 291147.2 | 0.0 | U/P |
| 22.383 | 0.8629 | 0.0000 | 84.749 | 4.91778 | 0.00000 | 784991.1 | 291294.7 | 0.0 | U/P |
| 22.392 | 0.8576 | 0.0000 | 84.748 | 4.91716 | 0.00000 | 785016.9 | 291442.2 | 0.0 | U/P |
| 22.400 | 0.8528 | 0,0000 | 84.746 | 4.91654 | 0.00000 | 785042.6 | 291589.7 | 0.0 | U/P |
| 22.408 | 0.8485 | 0.0000 | 84.745 | 4.91592 | 0.00000 | 785068.1 | 291737.2 | 0.0 | U/P |
| 22.417 | 0.8444 | 0.0000 | 84.743 | 4.91529 | 0.00000 | 785093.5 | 291884.7 | 0.0 | U/P |
| 22.425 | 0.8406 | 0.0000 | 84.742 | 4.91467 | 0.00000 | 785118.8 | 292032.1 | 0.0 | U/P |
| 22.433 | 0.8371 | 0.0000 | 84.740 | 4.91404 | 0.00000 | 785143.9 | 292179.6 | 0.0 | U/P |
| 22.442 | 0.8339 | 0.0000 | 84.739 | 4.91342 | 0.00000 | 785169.0 | 292327.0 | 0.0 | U/P |
| 22.450 | 0.8310 | 0.0000 | 84.738 | 4.91279 | 0.00000 | 785193.9 | 292474.3 | 0.0 | U/P |
| 22.458 | 0.8283 | 0.0000 | 84.736 | 4.91217 | 0.00000 | 785218.8 | 292621.7 | 0.0 | U/P |
| 22.467 | 0.8257 | 0.0000 | 84.735 | 4.91154 | 0.00000 | 785243.6 | 292769.1 | 0.0 | U/P |
| 22.475 | 0.8235 | 0.0000 | 84.733 | 4.91091 | 0.00000 | 785268.4 | 292916.4 | 0.0 | U/P |
| 22.483 | 0.8213 | 0.0000 | 84.732 | 4.91029 | 0.00000 | 785293.1 | 293063.8 | 0.0 | U/P |
| 22.492 | 0.8194 | 0.0000 | 84.730 | 4.90966 | 0.00000 | 785317.7 | 293211.0 | 0.0 | U/P |
| 22.500 | 0.8176 | 0.0000 | 84.729 | 4.90903 | 0.00000 | 785342.3 | 293358.3 | 0.0 | U/P |
| 22.508 | 0.8159 | 0.0000 | 84.727 | 4.90840 | 0.00000 | 785366.8 | 293505.6 | 0.0 | U/P |
| 22.517 | 0.8146 | 0.0000 | 84.726 | 4.90777 | 0.00000 | 785391.2 | 293652.8 | 0.0 | U/P |
| 22.525 | 0.8135 | 0.0000 | 84.725 | 4.90715 | 0.00000 | 785415.6 | 293800.0 | 0.0 | U/P |
| 22.533 | 0.8131 | 0.0000 | 84.723 | 4.90652 | 0.00000 | 785440.0 | 293947.3 | 0.0 | U/P |
| 22.542 | 0.8134 | 0.0000 | 84.722 | 4.90589 | 0.00000 | 785464.4 | 294094.4 | 0.0 | U/P |
| 22.550 | 0.8144 | 0.0000 | 84.720 | 4.90526 | 0.00000 | 785488.8 | 294241.6 | 0.0 | U/P |
| 22.558 | 0.8163 | 0.0000 | 84.719 | 4.90463 | 0.00000 | 785513.3 | 294388.8 | 0.0 | U/P |
| 22.567 | 0.8192 | 0.0000 | 84.717 | 4.90400 | 0.00000 | 785537.8 | 294535.9 | 0.0 | U/P |
| 22.575 | 0.8232 | 0.0000 | 84.716 | 4.90338 | 0.00000 | 785562.4 | 294683.0 | 0.0 | U/P |
| 22.583 | 0.8285 | 0.0000 | 84.714 | 4.90275 | 0.00000 | 785587.3 | 294830.1 | 0.0 | U/P |
| 22.592 | 0.8352 | 0.0000 | 84.713 | 4.90212 | 0.00000 | 785612.2 | 294977.2 | 0.0 | U/P |
| 22.600 | 0.8435 | 0.0000 | 84.712 | 4.90150 | 0.00000 | 785637.4 | 295124.2 | 0.0 | U/P |
| 22.608 | 0.8534 | 0.0000 | 84.710 | 4.90087 | 0.00000 | 785662.8 | 295271.3 | 0.0 | U/P |
| 22.617 | 0.8649 | 0.0000 | 84.709 | 4.90025 | 0.00000 | 785688.6 | 295418.3 | 0.0 | U/P |
| 22.625 | 0.8779 | 0.0000 | 84.707 | 4.89963 | 0.00000 | 785714.8 | 295565.3 | 0.0 | U/P |
| 22.633 | 0.8920 | 0.0000 | 84.706 | 4.89901 | 0.00000 | 785741.3 | 295712.3 | 0.0 | U/P |
| 22.642 | 0.9071 | 0.0000 | 84.704 | 4.89840 | 0.00000 | 785768.3 | 295859.2 | 0.0 | U/P |
| 22.650 | 0.9229 | 0.0000 | 84.703 | 4.89778 | 0.00000 | 785795.7 | 296006.2 | 0.0 | U/P |
| 22.658 | 0.9392 | 0.0000 | 84.702 | 4.89717 | 0.00000 | 785823.6 | 296153.1 | 0.0 | U/P |
| 22.667 | 0.9559 | 0.0000 | 84.700 | 4.89656 | 0.00000 | 785852.1 | 296300.0 | 0.0 | U/P |
| 22.675 | 0.9727 | 0.0000 | 84.699 | 4.89595 | 0.00000 | 785881.0 | 296446.9 | 0.0 | U/P |
| 22.683 | 0.9895 | 0.0000 | 84,697 | 4.89535 | 0.00000 | 785910.4 | 296593.7 | 0.0 | U/P |
| 22.692 | 1.0062 | 0.0000 | 84,696 | 4.89475 | 0.00000 | 785940.4 | 296740.6 | 0.0 | U/P |
| 22.700 | 1.0226 | 0.0000 | 84.695 | 4.89415 | 0.00000 | 785970.8 | 296887.4 | 0.0 | U/P |
| 22.708 | 1.0385 | 0.0000 | 84.693 | 4.89356 | 0.00000 | 786001.7 | 297034.2 | 0.0 | U/P |
| 22.717 | 1.0539 | 0.0000 | 84.692 | 4.89296 | 0.00000 | 786033.1 | 297181.0 | 0.0 | U/P |
| 22.725 | 1.0687 | 0.0000 | 84.691 | 4.89237 | 0.00000 | 786064.9 | 297327.8 | 0.0 | U/P |
| 22.733 | 1.0829 | 0.0000 | 84.689 | 4.89178 | 0.00000 | 786097.2 | 297474.6 | 0.0 | U/P |
| 22.742 | 1.0964 | 0.0000 | 84.688 | 4.89119 | 0.00000 | 786129.9 | 297621.3 | 0.0 | U/P |
| 22.750 | 1.1091 | 0.0000 | 84,686 | 4.89061 | 0.00000 | 786163.0 | 297768.0 | 0.0 | U/P |
| 22.758 | 1.1210 | 0.0000 | 84.685 | 4.89003 | 0.00000 | 786196.4 | 297914.8 | 0.0 | U/P |
| 22.767 | 1.1319 | 0.0000 | 84.684 | 4.88945 | 0.00000 | 786230.3 | 298061.4 | 0.0 | U/P |
| 22.775 | 1.1419 | 0.0000 | 84.682 | 4.88887 | 0.00000 | 786264.3 | 298208.1 | 0.0 | U/P |
| 22.783 | 1.1509 | 0.0000 | 84.681 | 4.88829 | 0.00000 | 786298.8 | 298354.8 | 0.0 | U/P |
| 22.792 | 1.1591 | 0.0000 | 84.680 | 4.88771 | 0.00000 | 786333.4 | 298501.4 | 0.0 | U/P |
| 22.800 | 1.1665 | 0.0000 | 84.679 | 4.88714 | 0.00000 | 786368.3 | 298648.0 | 0.0 | U/P |
| 22.808 | 1.1734 | 0.0000 | 84.677 | 4.88656 | 0.00000 | 786403.4 | 298794.7 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infitration Rate (f $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Discharge Volume $\left(\mathrm{H}^{3}\right)$ | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 22.817 | 1.1798 | 0.0000 | 84.676 | 4.88599 | 0.00000 | 786438.6 | 298941.3 | 0.0 | U/P |
| 22.825 | 1.1856 | 0.0000 | 84.675 | 4.88542 | 0.00000 | 786474.1 | 299087.8 | 0.0 | U/P |
| 22.833 | 1.1910 | 0.0000 | 84.673 | 4.88485 | 0.00000 | 786509.8 | 299234.4 | 0.0 | U/P |
| 22.842 | 1.1960 | 0.0000 | 84.672 | 4.88428 | 0.00000 | 786545.6 | 299380.9 | 0.0 | U/P |
| 22.850 | 1.2007 | 0.0000 | 84.671 | 4.88371 | 0.00000 | 786581.6 | 299527.4 | 0.0 | U/P |
| 22.858 | 1.2050 | 0.0000 | 84.669 | 4.88314 | 0.00000 | 786617.6 | 299673.9 | 0.0 | U/P |
| 22.867 | 1.2090 | 0.0000 | 84.668 | 4.88257 | 0.00000 | 786653.8 | 299820.4 | 0.0 | U/P |
| 22.875 | 1.2127 | 0.0000 | 84.667 | 4.88201 | 0.00000 | 786690.2 | 299966.9 | 0.0 | U/P |
| 22.883 | 1.2161 | 0.0000 | 84.665 | 4.88144 | 0.00000 | 786726.6 | 300113.3 | 0.0 | U/P |
| 22.892 | 1.2192 | 0.0000 | 84.664 | 4.88088 | 0.00000 | 786763.1 | 300259.8 | 0.0 | U/P |
| 22.900 | 1.2221 | 0.0000 | 84.663 | 4.88031 | 0.00000 | 786799.8 | 300406.2 | 0.0 | U/P |
| 22.908 | 1.2247 | 0.0000 | 84.661 | 4.87975 | 0.00000 | 786836.4 | 300552.6 | 0.0 | U/P |
| 22.917 | 1.2272 | 0.0000 | 84.660 | 4.87918 | 0.00000 | 786873.3 | 300699.0 | 0.0 | U/P |
| 22.925 | 1.2294 | 0.0000 | 84.659 | 4.87862 | 0.00000 | 786910.1 | 300845.3 | 0.0 | U/P |
| 22.933 | 1.2315 | 0.0000 | 84.658 | 4.87805 | 0,00000 | 786947.0 | 300991.7 | 0.0 | U/P |
| 22.942 | 1.2334 | 0.0000 | 84.656 | 4.87749 | 0.00000 | 786983.9 | 301138.0 | 0.0 | U/P |
| 22.950 | 1.2352 | 0.0000 | 84.655 | 4.87693 | 0.00000 | 787021.0 | 301284.3 | 0.0 | U/P |
| 22.958 | 1.2368 | 0.0000 | 84.654 | 4.87636 | 0.00000 | 787058.1 | 301430.6 | 0.0 | U/P |
| 22.967 | 1.2383 | 0.0000 | 84.652 | 4.87580 | 0.00000 | 787095.2 | 301576.9 | 0.0 | U/P |
| 22.975 | 1.2397 | 0.0000 | 84.651 | 4.87524 | 0.00000 | 787132.4 | 301723.2 | 0.0 | U/P |
| 22.983 | 1.2410 | 0.0000 | 84.650 | 4.87468 | 0.00000 | 787169.6 | 301869.4 | 0.0 | U/P |
| 22.992 | 1.2421 | 0.0000 | 84.649 | 4.87412 | 0.00000 | 787206.8 | 302015.7 | 0.0 | U/P |
| 23.000 | 1.2428 | 0.0000 | 84.647 | 4.87355 | 0.00000 | 787244.1 | 302161.9 | 0.0 | U/P |
| 23.008 | 1.2428 | 0.0000 | 84.646 | 4.87299 | 0.00000 | 787281.4 | 302308.1 | 0.0 | U/P |
| 23.017 | 1.2417 | 0.0000 | 84.645 | 4.87243 | 0.00000 | 787318.6 | 302454.3 | 0.0 | U/P |
| 23.025 | 1.2393 | 0.0000 | 84.643 | 4.87187 | 0.00000 | 787355.9 | 302600.4 | 0.0 | U/P |
| 23.033 | 1.2355 | 0.0000 | 84.642 | 4.87131 | 0.00000 | 787393.0 | 302746.6 | 0.0 | U/P |
| 23.042 | 1.2302 | 0.0000 | 84.641 | 4.87075 | 0.00000 | 787429.9 | 302892.7 | 0.0 | U/P |
| 23.050 | 1.2229 | 0.0000 | 84.639 | 4.87018 | 0.00000 | 787466.8 | 303038.8 | 0.0 | U/P |
| 23.058 | 1.2137 | 0.0000 | 84.638 | 4.86962 | 0.00000 | 787503.3 | 303184.9 | 0.0 | U/P |
| 23.067 | 1.2018 | 0.0000 | 84.637 | 4.86905 | 0.00000 | 787539.6 | 303331.0 | 0.0 | U/P |
| 23.075 | 1.1874 | 0.0000 | 84.636 | 4.86848 | 0.00000 | 787575.4 | 303477.1 | 0.0 | U/P |
| 23.083 | $\uparrow .1699$ | 0.0000 | 84.634 | 4.86791 | 0.00000 | 787610.8 | 303623.1 | 0.0 | U/P |
| 23.092 | 1.1493 | 0.0000 | 84.633 | 4.86734 | 0.00000 | 787645.6 | 303769.1 | 0.0 | U/P |
| 23.100 | 1.1261 | 0.0000 | 84.632 | 4.86677 | 0.00000 | 787679.7 | 303915.1 | 0.0 | U/P |
| 23.108 | 1.1003 | 0.0000 | 84.630 | 4.86619 | 0.00000 | 787713.1 | 304061.1 | 0.0 | U/P |
| 23.117 | 1.0726 | 0.0000 | 84.629 | 4.86560 | 0.00000 | 787745.6 | 304207.1 | 0.0 | U/P |
| 23.125 | 1.0432 | 0.0000 | 84.628 | 4.86502 | 0.00000 | 787777.4 | 304353.1 | 0.0 | U/P |
| 23.133 | 1.0128 | 0.0000 | 84.626 | 4.86442 | 0.00000 | 787808.3 | 304499.0 | 0.0 | U/P |
| 23.142 | 0.9813 | 0.0000 | 84.625 | 4.86383 | 0.00000 | 787838.1 | 304644.9 | 0.0 | U/P |
| 23.150 | 0.9497 | 0.0000 | 84.623 | 4.86323 | 0.00000 | 787867.1 | 304790.8 | 0.0 | U/P |
| 23.158 | 0.9179 | 0.0000 | 84.622 | 4.86262 | 0.00000 | 787895.1 | 304936.7 | 0.0 | U/P |
| 23.167 | 0.8862 | 0.0000 | 84.621 | 4.86201 | 0.00000 | 787922.2 | 305082.6 | 0.0 | U/P |
| 23.175 | 0.8546 | 0.0000 | 84.619 | 4.86139 | 0.00000 | 787948.3 | 305228.4 | 0.0 | U/P |
| 23.183 | 0.8240 | 0.0000 | 84.618 | 4.86077 | 0.00000 | 787973.5 | 305374.3 | 0.0 | U/P |
| 23.192 | 0.7943 | 0.0000 | 84.616 | 4.86014 | 0.00000 | 787997.8 | 305520.1 | 0.0 | U/P |
| 23.200 | 0.7657 | 0.0000 | 84.615 | 4.85951 | 0.00000 | 788021.1 | 305665.9 | 0.0 | U/P |
| 23.208 | 0.7383 | 0.0000 | 84.613 | 4.85888 | 0.00000 | 788043.7 | 305811.7 | 0.0 | U/P |
| 23.217 | 0.7121 | 0.0000 | 84.612 | 4.85824 | 0.00000 | 788065.4 | 305957.4 | 0.0 | U/P |
| 23.225 | 0.6872 | 0.0000 | 84.610 | 4.85760 | 0.00000 | 788086.4 | 306103.2 | 0.0 | U/P |
| 23.233 | 0.6638 | 0.0000 | 84.609 | 4.85695 | 0.00000 | 788106.7 | 306248.9 | 0.0 | U/P |
| 23.242 | 0.6421 | 0.0000 | 84.607 | 4.85630 | 0.00000 | 788126.3 | 306394.6 | 0.0 | U/P |
| 23.250 | 0.6222 | 0.0000 | 84.606 | 4.85565 | 0.00000 | 788145.3 | 306540.3 | 0.0 | U/P |
| 23.258 | 0.6043 | 0.0000 | 84.604 | 4.85499 | 0.00000 | 788163.7 | 306685.9 | 0.0 | U/P |
| 23.267 | 0.5879 | 0.0000 | 84.603 | 4.85433 | 0.00000 | 788181.6 | 306831.6 | 0.0 | U/P |
| 23.275 | 0.5732 | 0.0000 | 84.601 | 4.85367 | 0.00000 | 788198.9 | 306977.2 | 0.0 | U/P |
| 23.283 | 0.5596 | 0.0000 | 84.600 | 4.85300 | 0.00000 | 788215.9 | 307122.8 | 0.0 | U/P |
| 23.292 | 0.5471 | 0.0000 | 84.598 | 4.85234 | 0.00000 | 788232.6 | 307268.3 | 0.0 | U/P |
| 23.300 | 0.5356 | 0.0000 | 84.597 | 4.85167 | 0.00000 | 788248.8 | 307413.9 | 0.0 | U/P |
| 23.308 | 0.5250 | 0.0000 | 84.595 | 4.85100 | 0.00000 | 788264.7 | 307559.4 | 0.0 | U/P |
| 23.317 | 0.5152 | 0.0000 | 84.594 | 4.85033 | 0.00000 | 788280.3 | 307705.0 | 0.0 | U/P |
| 23.325 | 0.5062 | 0.0000 | 84.592 | 4.84965 | 0.00000 | 788295.6 | 307850.5 | 0.0 | U/P |
| 23.333 | 0.4978 | 0.0000 | 84.590 | 4.84898 | 0.00000 | 788310.7 | 307995.9 | 0.0 | U/P |
| 23.342 | 0.4900 | 0.0000 | 84.589 | 4.84830 | 0.00000 | 788325.5 | 308141.4 | 0.0 | U/P |
| 23.350 | 0.4827 | 0.0000 | 84.587 | 4.84762 | 0.00000 | 788340.1 | 308286.8 | 0.0 | U/P |
| 23.358 | 0.4761 | 0.0000 | 84.586 | 4.84694 | 0.00000 | 788354.5 | 308432.3 | 0.0 | U/P |
| 23.367 | 0.4699 | 0.0000 | 84.584 | 4.84627 | 0.00000 | 788368.7 | 308577.7 | 0.0 | U/P |
| 23.375 | 0.4642 | 0.0000 | 84.583 | 4.84558 | 0.00000 | 788382.7 | 308723.0 | 0.0 | U/P |
| 23.383 | 0.4590 | 0.0000 | 84.581 | 4.84490 | 0.00000 | 788396.5 | 308868.4 | 0.0 | U/P |
| 23.392 | 0.4543 | 0.0000 | 84.580 | 4.84422 | 0.00000 | 788410.3 | 309013.8 | 0.0 | U/P |
| 23.400 | 0.4498 | 0.0000 | 84.578 | 4.84354 | 0.00000 | 788423.8 | 309159.1 | 0.0 | U/P |
| 23.408 | 0.4458 | 0.0000 | 84.576 | 4.84285 | 0.00000 | 788437.3 | 309304.3 | 0.0 | U/P |
| 23.417 | 0.4420 | 0.0000 | 84.575 | 4.84217 | 0.00000 | 788450.6 | 309449.6 | 0.0 | U/P |
| 23.425 | 0.4386 | 0.0000 | 84.573 | 4.84149 | 0.00000 | 788463.8 | 309594.9 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 5100 yr / 24 hr

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{fl}^{3 / \mathrm{s}}$ ) | Outside Recharge (fUday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{f}^{3 / 3} \mathrm{~s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative infilitration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 23.433 | 0.4354 | 0.0000 | 84.572 | 4.84080 | 0.00000 | 788476.9 | 309740.1 | 0.0 | U/P |
| 23.442 | 0.4324 | 0.0000 | 84.570 | 4.84011 | 0.00000 | 788489.9 | 309885.3 | 0.0 | U/P |
| 23.450 | 0.4297 | 0.0000 | 84.568 | 4.83943 | 0.00000 | 788502.8 | 310030.5 | 0.0 | U/P |
| 23.458 | 0.4272 | 0.0000 | 84.567 | 4.83874 | 0.00000 | 788515.7 | 310175.7 | 0.0 | U/P |
| 23.467 | 0.4249 | 0.0000 | 84.565 | 4.83805 | 0.00000 | 788528.4 | 310320.8 | 0.0 | U/P |
| 23.475 | 0.4228 | 0.0000 | 84.564 | 4.83737 | 0.00000 | 788541.2 | 310466.0 | 0.0 | U/P |
| 23.483 | 0.4208 | 0.0000 | 84.562 | 4.83668 | 0.00000 | 788553.8 | 310611.1 | 0.0 | U/P |
| 23.492 | 0.4191 | 0.0000 | 84.561 | 4.83599 | 0.00000 | 788566.4 | 310756.2 | 0.0 | U/P |
| 23.500 | 0.4174 | 0.0000 | 84.559 | 4.83530 | 0.00000 | 788578.9 | 310901.3 | 0.0 | U/P |
| 23.508 | 0.4159 | 0.0000 | 84.557 | 4.83461 | 0.00000 | 788591.4 | 311046.3 | 0.0 | U/P |
| 23.517 | 0.4145 | 0.0000 | 84.556 | 4.83393 | 0.00000 | 788603.9 | 311191.3 | 0.0 | U/P |
| 23.525 | 0.4132 | 0.0000 | 84.554 | 4.83324 | 0.00000 | 788616.3 | 311336.3 | 0.0 | U/P |
| 23.533 | 0.4120 | 0.0000 | 84.553 | 4.83255 | 0.00000 | 788628.7 | 311481.3 | 0.0 | U/P |
| 23.542 | 0.4109 | 0.0000 | 84.551 | 4.83186 | 0.00000 | 788641.1 | 311626.3 | 0.0 | U/P |
| 23.550 | 0.4099 | 0.0000 | 84.549 | 4.83117 | 0.00000 | 788653.4 | 311771.2 | 0.0 | U/P |
| 23.558 | 0.4089 | 0.0000 | 84.548 | 4.83048 | 0.00000 | 788665.6 | 311916.2 | 0.0 | U/P |
| 23.567 | 0.4081 | 0.0000 | 84.546 | 4.82979 | 0.00000 | 788677.9 | 312061.1 | 0.0 | U/P |
| 23.575 | 0.4072 | 0.0000 | 84.545 | 4.82910 | 0.00000 | 788690.1 | 312205.9 | 0.0 | U/P |
| 23.583 | 0.4065 | 0.0000 | 84.543 | 4.82841 | 0.00000 | 788702.3 | 312350.8 | 0.0 | U/P |
| 23.592 | 0.4058 | 0.0000 | 84.541 | 4.82772 | 0.00000 | 788714.5 | 312495.7 | 0.0 | U/P |
| 23.600 | 0.4052 | 0.0000 | 84.540 | 4.82703 | 0.00000 | 788726.7 | 312640.5 | 0.0 | U/P |
| 23.608 | 0.4046 | 0.0000 | 84.538 | 4.82634 | 0.00000 | 788738.8 | 312785.3 | 0.0 | U/P |
| 23.617 | 0.4040 | 0.0000 | 84.537 | 4.82565 | 0.00000 | 788750.9 | 312930.1 | 0.0 | U/P |
| 23.625 | 0.4035 | 0.0000 | 84.535 | 4.82496 | 0.00000 | 788763.1 | 313074.8 | 0.0 | U/P |
| 23.633 | 0.4031 | 0.0000 | 84.534 | 4.82427 | 0.00000 | 788775.2 | 313219.5 | 0.0 | U/P |
| 23.642 | 0.4026 | 0.0000 | 84.532 | 4.82358 | 0.00000 | 788787.3 | 313364.3 | 0.0 | U/P |
| 23.650 | 0.4022 | 0.0000 | 84.530 | 4.82289 | 0.00000 | 788799.3 | 313509.0 | 0.0 | U/P |
| 23.658 | 0.4019 | 0.0000 | 84.529 | 4.82220 | 0.00000 | 788811.4 | 313653.6 | 0.0 | U/P |
| 23.667 | 0.4015 | 0.0000 | 84.527 | 4.82151 | 0.00000 | 788823.4 | 313798.3 | 0.0 | U/P |
| 23.675 | 0.4012 | 0.0000 | 84.526 | 4.82081 | 0.00000 | 788835.5 | 313942.9 | 0.0 | U/P |
| 23.683 | 0.4009 | 0.0000 | 84.524 | 4.82012 | 0.00000 | 788847.5 | 314087.5 | 0.0 | U/P |
| 23.692 | 0.4006 | 0.0000 | 84.522 | 4.81943 | 0.00000 | 788859.6 | 314232.1 | 0.0 | U/P |
| 23.700 | 0.4003 | 0.0000 | 84.521 | 4.81874 | 0.00000 | 788871.6 | 314376.7 | 0.0 | U/P |
| 23.708 | 0.4001 | 0.0000 | 84.519 | 4.81805 | 0.00000 | 788883.6 | 314521.3 | 0.0 | U/P |
| 23.717 | 0.3998 | 0.0000 | 84.518 | 4.81736 | 0.00000 | 788895.6 | 314665.8 | 0.0 | U/P |
| 23.725 | 0.3996 | 0.0000 | 84.516 | 4.81667 | 0.00000 | 788907.6 | 314810.3 | 0.0 | U/P |
| 23.733 | 0.3994 | 0.0000 | 84.514 | 4.81598 | 0.00000 | 788919.6 | 314954.8 | 0.0 | U/P |
| 23.742 | 0.3993 | 0.0000 | 84.513 | 4.81529 | 0.00000 | 788931.5 | 315099.3 | 0.0 | U/P |
| 23.750 | 0.3991 | 0.0000 | 84.511 | 4.81460 | 0.00000 | 788943.5 | 315243.7 | 0.0 | U/P |
| 23.758 | 0.3990 | 0.0000 | 84.510 | 4.81390 | 0.00000 | 788955.4 | 315388.1 | 0.0 | U/P |
| 23.767 | 0.3988 | 0.0000 | 84.508 | 4.81321 | 0.00000 | 788967.4 | 315532.5 | 0.0 | U/P |
| 23.775 | 0.3987 | 0.0000 | 84.506 | 4.81252 | 0.00000 | 788979.4 | 315676.9 | 0.0 | U/P |
| 23.783 | 0.3986 | 0.0000 | 84.505 | 4.81183 | 0.00000 | 788991.4 | 315821.3 | 0.0 | U/P |
| 23.792 | 0.3986 | 0.0000 | 84.503 | 4.81114 | 0.00000 | 789003.3 | 315965.6 | 0.0 | U/P |
| 23.800 | 0.3985 | 0.0000 | 84.502 | 4.81045 | 0.00000 | 789015.3 | 316110.0 | 0.0 | U/P |
| 23.808 | 0.3985 | 0.0000 | 84.500 | 4.80976 | 0.00000 | 789027.3 | 316254.3 | 0.0 | U/P |
| 23.817 | 0.3985 | 0.0000 | 84.498 | 4.80907 | 0.00000 | 789039.2 | 316398.5 | 0.0 | U/P |
| 23.825 | 0.3985 | 0.0000 | 84.497 | 4.80837 | 0.00000 | 789051.1 | 316542.8 | 0.0 | U/P |
| 23.833 | 0.3985 | 0.0000 | 84.495 | 4.80768 | 0.00000 | 789063.1 | 316687.1 | 0.0 | U/P |
| 23.842 | 0.3984 | 0.0000 | 84.494 | 4.80699 | 0.00000 | 789075.1 | 316831.3 | 0.0 | U/P |
| 23.850 | 0.3984 | 0.0000 | 84.492 | 4.80630 | 0.00000 | 789087.0 | 316975.5 | 0.0 | U/P |
| 23.858 | 0.3984 | 0.0000 | 84.491 | 4.80561 | 0.00000 | 789098.9 | 317119.7 | 0.0 | U/P |
| 23.867 | 0.3984 | 0.0000 | 84.489 | 4.80492 | 0.00000 | 789110.9 | 317263.8 | 0.0 | U/P |
| 23.875 | 0.3984 | 0.0000 | 84.487 | 4.80423 | 0.00000 | 789122.9 | 317407.9 | 0.0 | U/P |
| 23.883 | 0.3984 | 0.0000 | 84.486 | 4.80354 | 0.00000 | 789134.8 | 317552.1 | 0.0 | U/P |
| 23.892 | 0.3984 | 0.0000 | 84.484 | 4.80285 | 0.00000 | 789146.8 | 317696.2 | 0.0 | U/P |
| 23.900 | 0.3984 | 0.0000 | 84.483 | 4.80216 | 0.00000 | 789158.7 | 317840.2 | 0.0 | U/P |
| 23.908 | 0.3984 | 0.0000 | 84.481 | 4.80146 | 0.00000 | 789170.7 | 317984.3 | 0.0 | U/P |
| 23.917 | 0.3984 | 0.0000 | 84.479 | 4.80077 | 0.00000 | 789182.6 | 318128.3 | 0.0 | U/P |
| 23.925 | 0.3984 | 0.0000 | 84.478 | 4.80008 | 0.00000 | 789194.6 | 318272.3 | 0.0 | U/P |
| 23.933 | 0.3984 | 0.0000 | 84.476 | 4.79939 | 0.00000 | 789206.5 | 318416.3 | 0.0 | U/P |
| 23.942 | 0.3984 | 0.0000 | 84.475 | 4.79870 | 0.00000 | 789218.5 | 318560.3 | 0.0 | U/P |
| 23.950 | 0.3984 | 0.0000 | 84.473 | 4.79801 | 0.00000 | 789230.4 | 318704.3 | 0.0 | U/P |
| 23.958 | 0.3984 | 0.0000 | 84.471 | 4.79732 | 0.00000 | 789242.4 | 318848.2 | 0.0 | U/P |
| 23.967 | 0.3984 | 0.0000 | 84.470 | 4.79663 | 0.00000 | 789254.3 | 318992.1 | 0.0 | U/P |
| 23.975 | 0.3984 | 0.0000 | 84.468 | 4.79594 | 0.00000 | 789266.3 | 319136.0 | 0.0 | U/P |
| 23.983 | 0.3984 | 0.0000 | 84.467 | 4.79525 | 0.00000 | 789278.3 | 319279.8 | 0.0 | U/P |
| 23.992 | 0.3984 | 0.0000 | 84.465 | 4.79455 | 0.00000 | 789290.2 | 319423.7 | 0.0 | U/P |
| 24.000 | 0.3984 | 0.0000 | 84.463 | 4.79386 | 0.00000 | 789302.1 | 319567.5 | 0.0 | U/P |
| 24.008 | 0.3982 | 0.0000 | 84.462 | 4.79317 | 0.00000 | 789314.1 | 319711.3 | 0.0 | U/P |
| 24.017 | 0.3977 | 0.0000 | 84.460 | 4.79248 | 0.00000 | 789326.0 | 319855.1 | 0.0 | U/P |
| 24.025 | 0.3968 | 0.0000 | 84.459 | 4.79179 | 0.00000 | 789337.9 | 319998.9 | 0.0 | U/P |
| 24.033 | 0.3953 | 0.0000 | 84.457 | 4.79110 | 0.00000 | 789349.8 | 320142.6 | 0.0 | U/P |
| 24.042 | 0.3931 | 0.0000 | 84.456 | 4.79041 | 0.00000 | 789361.6 | 320286.3 | 0.0 | U/P |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{3 / s}$ ) | Outside Recharge (fl/day) | Stage Elevation (ft datum) | infiltration Rate (ftys) | Overflow Discharge ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumuative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 24.050 | 0.3903 | 0.0000 | 84.454 | 4.78972 | 0.00000 | 789373.4 | 320430.0 | 0.0 | U/P |
| 24.058 | 0.3866 | 0.0000 | 84.452 | 4.78902 | 0.00000 | 789385.1 | 320573.7 | 0.0 | U/P |
| 24.067 | 0.3819 | 0.0000 | 84.451 | 4.78833 | 0.00000 | 789396.6 | 320717.4 | 0.0 | U/P |
| 24.075 | 0.3761 | 0.0000 | 84.449 | 4.78764 | 0.00000 | 789407.9 | 320861.0 | 0.0 | U/P |
| 24.083 | 0.3691 | 0.0000 | 84.448 | 4.78694 | 0.00000 | 789419.1 | 321004.6 | 0.0 | $U / P$ |
| 24.092 | 0.3607 | 0.0000 | 84.446 | 4.78625 | 0.00000 | 789430.1 | 321148.2 | 0.0 | U/P |
| 24.100 | 0.3508 | 0.0000 | 84.444 | 4.78555 | 0.00000 | 789440.8 | 321291.8 | 0.0 | U/P |
| 24.108 | 0.3398 | 0.0000 | 84.443 | 4.78485 | 0.00000 | 789451.1 | 321435.4 | 0.0 | U/P |
| 24.117 | 0.3276 | 0.0000 | 84.441 | 4.78415 | 0.00000 | 789461.1 | 321578.9 | 0.0 | U/P |
| 24.125 | 0.3145 | 0.0000 | 84.439 | 4.78345 | 0.00000 | 789470.8 | 321722.4 | 0.0 | U/P |
| 24.133 | 0.3007 | 0.0000 | 84.438 | 4.78275 | 0.00000 | 789480.0 | 321865.9 | 0.0 | U/P |
| 24.142 | 0.2863 | 0.0000 | 84.436 | 4.78204 | 0.00000 | 789488.8 | 322009.4 | 0.0 | U/P |
| 24.150 | 0.2716 | 0.0000 | 84.435 | 4.78133 | 0.00000 | 789497.1 | 322152.8 | 0.0 | U/P |
| 24.158 | 0.2568 | 0.0000 | 84.433 | 4.78062 | 0.00000 | 789505.1 | 322296.3 | 0.0 | U/P |
| 24.167 | 0.2418 | 0.0000 | 84.431 | 4.77991 | 0.00000 | 789512.6 | 322439.7 | 0.0 | U/P |
| 24.175 | 0.2270 | 0.0000 | 84.430 | 4.77919 | 0.00000 | 789519.6 | 322583.1 | 0.0 | U/P |
| 24.183 | 0.2122 | 0.0000 | 84.428 | 4.77847 | 0.00000 | 789526.2 | 322726.4 | 0.0 | U/P |
| 24.192 | 0.1979 | 0.0000 | 84.426 | 4.77775 | 0.00000 | 789532.3 | 322869.8 | 0.0 | U/P |
| 24.200 | 0.1841 | 0.0000 | 84.425 | 4.77703 | 0.00000 | 789538.1 | 323013.1 | 0.0 | U/P |
| 24.208 | 0.1707 | 0.0000 | 84.423 | 4.77631 | 0.00000 | 789543.4 | 323156.4 | 0.0 | U/P |
| 24.217 | 0.1579 | 0.0000 | 84.421 | 4.77558 | 0.00000 | 789548.3 | 323299.7 | 0.0 | U/P |
| 24.225 | 0.1457 | 0.0000 | 84.420 | 4.77485 | 0.00000 | 789552.9 | 323442.9 | 0.0 | U/P |
| 24.233 | 0.1340 | 0.0000 | 84.418 | 4.77412 | 0.00000 | 789557.1 | 323586.2 | 0.0 | U/P |
| 24.242 | 0.1231 | 0.0000 | 84.416 | 4.77339 | 0.00000 | 789560.9 | 323729.4 | 0.0 | U/P |
| 24.250 | 0.1130 | 0.0000 | 84.415 | 4.77266 | 0.00000 | 789564.4 | 323872.6 | 0.0 | U/P |
| 24.258 | 0.1038 | 0.0000 | 84.413 | 4.77192 | 0.00000 | 789567.7 | 324015.7 | 0.0 | U/P |
| 24.267 | 0.0954 | 0.0000 | 84.411 | 4.77118 | 0.00000 | 789570.7 | 324158.9 | 0.0 | U/P |
| 24.275 | 0.0878 | 0.0000 | 84.409 | 4.77044 | 0.00000 | 789573.4 | 324302.0 | 0.0 | U/P |
| 24.283 | 0.0810 | 0.0000 | 84.408 | 4.76970 | 0.00000 | 789576.0 | 324445.1 | 0.0 | U/P |
| 24.292 | 0.0746 | 0.0000 | 84.406 | 4.76896 | 0.00000 | 789578.3 | 324588.2 | 0.0 | U/P |
| 24.300 | 0.0688 | 0.0000 | 84.404 | 4.76822 | 0.00000 | 789580.4 | 324731.3 | 0.0 | U/P |
| 24.308 | 0.0634 | 0.0000 | 84.403 | 4.76748 | 0.00000 | 789582.4 | 324874.3 | 0.0 | U/P |
| 24.317 | 0.0585 | 0.0000 | 84.401 | 4.76674 | 0.00000 | 789584.3 | 325017.3 | 0.0 | U/P |
| 24.325 | 0.0540 | 0.0000 | 84.399 | 4.76599 | 0.00000 | 789585.9 | 325160.3 | 0.0 | U/P |
| 24.333 | 0.0498 | 0.0000 | 84.397 | 4.76525 | 0.00000 | 789587.5 | 325303.3 | 0.0 | U/P |
| 24.342 | 0.0459 | 0.0000 | 84.396 | 4.76450 | 0.00000 | 789588.9 | 325446.2 | 0.0 | U/P |
| 24.350 | 0.0423 | 0.0000 | 84.394 | 4.76375 | 0.00000 | 789590.3 | 325589.1 | 0.0 | U/P |
| 24.358 | 0.0389 | 0.0000 | 84.392 | 4.76301 | 0.00000 | 789591.5 | 325732.0 | 0.0 | U/P |
| 24.367 | 0.0358 | 0.0000 | 84.391 | 4.76226 | 0.00000 | 789592.6 | 325874.9 | 0.0 | U/P |
| 24.375 | 0.0329 | 0.0000 | 84.389 | 4.76151 | 0.00000 | 789593.6 | 326017.8 | 0.0 | U/P |
| 24.383 | 0.0303 | 0.0000 | 84.387 | 4.76076 | 0.00000 | 789594.6 | 326160.6 | 0.0 | U/P |
| 24.392 | 0.0279 | 0.0000 | 84.385 | 4.76001 | 0.00000 | 789595.5 | 326303.4 | 0.0 | U/P |
| 24.400 | 0.0257 | 0.0000 | 84.384 | 4.75927 | 0.00000 | 789596.3 | 326446.2 | 0.0 | U/P |
| 24.408 | 0.0237 | 0.0000 | 84.382 | 4.75852 | 0.00000 | 789597.0 | 326588.9 | 0.0 | U/P |
| 24.417 | 0.0218 | 0.0000 | 84.380 | 4.75777 | 0.00000 | 789597.7 | 326731.7 | 0.0 | U/P |
| 24.425 | 0.0200 | 0.0000 | 84.379 | 4.75702 | 0.00000 | 789598.3 | 326874.4 | 0.0 | U/P |
| 24.433 | 0.0184 | 0.0000 | 84.377 | 4.75627 | 0.00000 | 789598.9 | 327017.1 | 0.0 | U/P |
| 24.442 | 0.0169 | 0.0000 | 84.375 | 4.75551 | 0.00000 | 789599.4 | 327159.8 | 0.0 | U/P |
| 24.450 | 0.0156 | 0.0000 | 84.373 | 4.75476 | 0.00000 | 789599.9 | 327302.4 | 0.0 | U/P |
| 24.458 | 0.0143 | 0.0000 | 84.372 | 4.75401 | 0.00000 | 789600.4 | 327445.1 | 0.0 | U/P |
| 24.467 | 0.0132 | 0.0000 | 84.370 | 4.75326 | 0.00000 | 789600.8 | 327587.7 | 0.0 | U/P |
| 24.475 | 0.0121 | 0.0000 | 84.368 | 4.75251 | 0.00000 | 789601.1 | 327730.3 | 0.0 | U/P |
| 24.483 | 0.0111 | 0.0000 | 84.366 | 4.75176 | 0.00000 | 789601.5 | 327872.8 | 0.0 | U/P |
| 24.492 | 0.0102 | 0.0000 | 84.365 | 4.75101 | 0.00000 | 789601.8 | 328015.4 | 0.0 | U/P |
| 24.500 | 0.0094 | 0.0000 | 84.363 | 4.75025 | 0.00000 | 789602.1 | 328157.9 | 0.0 | U/P |
| 24.508 | 0.0086 | 0.0000 | 84.361 | 4.74950 | 0.00000 | 789602.4 | 328300.4 | 0.0 | U/P |
| 24.517 | 0.0079 | 0.0000 | 84.359 | 4.74875 | 0.00000 | 789602.6 | 328442.9 | 0.0 | U/P |
| 24.525 | 0.0073 | 0.0000 | 84.358 | 4.74800 | 0.00000 | 789602.9 | 328585.3 | 0.0 | U/P |
| 24.533 | 0.0067 | 0.0000 | 84.356 | 4.74725 | 0.00000 | 789603.1 | 328727.8 | 0.0 | U/P |
| 24.542 | 0.0061 | 0.0000 | 84.354 | 4.74649 | 0.00000 | 789603.3 | 328870.2 | 0.0 | U/P |
| 24.550 | 0.0056 | 0.0000 | 84.353 | 4.74574 | 0.00000 | 789603.4 | 329012.5 | 0.0 | U/P |
| 24.558 | 0.0051 | 0.0000 | 84.351 | 4.74499 | 0.00000 | 789603.6 | 329154.9 | 0.0 | U/P |
| 24.567 | 0.0047 | 0.0000 | 84.349 | 4.74424 | 0.00000 | 789603.8 | 329297.3 | 0.0 | U/P |
| 24.575 | 0.0043 | 0.0000 | 84.347 | 4.74348 | 0.00000 | 789603.9 | 329439.6 | 0.0 | U/P |
| 24.583 | 0.0039 | 0.0000 | 84.346 | 4.74273 | 0.00000 | 789604.0 | 329581.8 | 0.0 | U/P |
| 24.592 | 0.0036 | 0.0000 | 84.344 | 4.74198 | 0.00000 | 789604.1 | 329724.1 | 0.0 | U/P |
| 24.600 | 0.0033 | 0.0000 | 84.342 | 4.74122 | 0.00000 | 789604.3 | 329866.4 | 0.0 | U/P |
| 24.608 | 0.0030 | 0.0000 | 84.340 | 4.74047 | 0.00000 | 789604.3 | 330008.6 | 0.0 | U/P |
| 24.617 | 0.0027 | 0.0000 | 84.339 | 4.73972 | 0.00000 | 789604.4 | 330150.8 | 0.0 | U/P |
| 24.625 | 0.0025 | 0.0000 | 84.337 | 4.73896 | 0.00000 | 789604.5 | 330293.0 | 0.0 | U/P |
| 24.633 | 0.0022 | 0.0000 | 84.335 | 4.73821 | 0.00000 | 789604.6 | 330435.1 | 0.0 | U/P |
| 24.642 | 0.0020 | 0.0000 | 84.333 | 4.73746 | 0.00000 | 789604.6 | 330577.3 | 0.0 | U/P |
| 24.650 | 0.0018 | 0.0000 | 84.332 | 4.73670 | 0.00000 | 789604.7 | 330719.4 | 0.0 | U/P |
| 24.658 | 0.0016 | 0.0000 | 84.330 | 4.73595 | 0.00000 | 789604.8 | 330861.5 | 0.0 | U/P |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method

Copyright 2003
Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: Pond 5100 yr/24 hr

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 24.667 | 0.0015 | 0.0000 | 84.328 | 4.73520 | 0.00000 | 789604.8 | 331003.5 | 0.0 | U/P |
| 24.675 | 0.0013 | 0.0000 | 84.326 | 4.73444 | 0.00000 | 789604.8 | 331145.6 | 0.0 | U/P |
| 24.683 | 0.0012 | 0.0000 | 84.325 | 4.73369 | 0.00000 | 789604.9 | 331287.6 | 0.0 | U/P |
| 24.692 | 0.0010 | 0.0000 | 84.323 | 4.73294 | 0.00000 | 789604.9 | 331429.6 | 0.0 | U/P |
| 24.700 | 0.0009 | 0.0000 | 84.321 | 4.73218 | 0.00000 | 789604.9 | 331571.6 | 0.0 | U/P |
| 24.708 | 0.0008 | 0.0000 | 84.320 | 4.73143 | 0.00000 | 789604.9 | 331713.5 | 0.0 | U/P |
| 24.717 | 0.0007 | 0.0000 | 84.318 | 4.73068 | 0.00000 | 789604.9 | 331855.5 | 0.0 | U/P |
| 24.725 | 0.0006 | 0.0000 | 84.316 | 4.72992 | 0.00000 | 789605.0 | 331997.4 | 0.0 | U/P |
| 24.733 | 0.0005 | 0.0000 | 84.314 | 4.72917 | 0.00000 | 789605.0 | 332139.3 | 0.0 | U/P |
| 24.742 | 0.0004 | 0.0000 | 84.313 | 4.72842 | 0.00000 | 789605.0 | 332281.1 | 0.0 | U/P |
| 24.750 | 0.0003 | 0.0000 | 84.311 | 4.72766 | 0.00000 | 789605.0 | 332423.0 | 0.0 | U/P |
| 24.758 | 0.0003 | 0.0000 | 84.309 | 4.72691 | 0.00000 | 789605.0 | 332564.8 | 0.0 | U/P |
| 24.767 | 0.0002 | 0.0000 | 84.307 | 4.72616 | 0.00000 | 789605.1 | 332706.6 | 0.0 | U/P |
| 24.775 | 0.0002 | 0.0000 | 84.306 | 4.72540 | 0.00000 | 789605.1 | 332848.3 | 0.0 | U/P |
| 24.783 | 0.0001 | 0.0000 | 84.304 | 4.72465 | 0.00000 | 789605.1 | 332990.1 | 0.0 | U/P |
| 24.792 | 0.0001 | 0.0000 | 84.302 | 4.72390 | 0.00000 | 789605.1 | 333131.8 | 0.0 | U/P |
| 24.800 | 0.0000 | 0.0000 | 84.300 | 4.72314 | 0.00000 | 789605.1 | 333273.5 | 0.0 | U/P |
| 24.808 | 0.0000 | 0.0000 | 84.299 | 4.72239 | 0.00000 | 789605.1 | 333415.2 | 0.0 | U/P |
| 24.817 | 0.0000 | 0.0000 | 84.297 | 4.72163 | 0.00000 | 789605.1 | 333556.9 | 0.0 | U/P |
| 24.825 | 0.0000 | 0.0000 | 84.295 | 4.72088 | 0.00000 | 789605.1 | 333698.5 | 0.0 | U/P |
| 24.833 | 0.0000 | 0.0000 | 84.294 | 4.72013 | 0.00000 | 789605.1 | 333840.1 | 0.0 | U/P |
| 24.842 | 0.0000 | 0.0000 | 84.292 | 4.71937 | 0.00000 | 789605.1 | 333981.7 | 0.0 | U/P |
| 24.850 | 0.0000 | 0.0000 | 84.290 | 4.71862 | 0.00000 | 789605.1 | 334123.3 | 0.0 | U/P |
| 24.858 | 0.0000 | 0.0000 | 84.288 | 4.77787 | 0.00000 | 789605.1 | 334264.8 | 0.0 | U/P |
| 24.867 | 0.0000 | 0.0000 | 84.287 | 4.71711 | 0.00000 | 789605.1 | 334406.4 | 0.0 | U/P |
| 24.875 | 0.0000 | 0.0000 | 84.285 | 4.71636 | 0.00000 | 789605.1 | 334547.9 | 0.0 | U/P |
| 24.883 | 0.0000 | 0.0000 | 84.283 | 4.71561 | 0.00000 | 789605.1 | 334689.3 | 0.0 | U/P |
| 24.892 | 0.0000 | 0.0000 | 84.281 | 4.71485 | 0.00000 | 789605.1 | 334830.8 | 0.0 | U/P |
| 24.900 | 0.0000 | 0.0000 | 84.280 | 4.71410 | 0.00000 | 789605.1 | 334972.3 | 0.0 | U/P |
| 24.908 | 0.0000 | 0.0000 | 84.278 | 4.71335 | 0.00000 | 789605.1 | 335113.7 | 0.0 | U/P |
| 24.917 | 0.0000 | 0.0000 | 84.276 | 4.71259 | 0.00000 | 789605.1 | 335255.0 | 0.0 | U/P |
| 24.925 | 0.0000 | 0.0000 | 84.274 | 4.71184 | 0.00000 | 789605.1 | 335396.4 | 0.0 | U/P |
| 24.933 | 0.0000 | 0.0000 | 84.273 | 4.71108 | 0.00000 | 789605.1 | 335537.8 | 0.0 | U/P |
| 24.942 | 0.0000 | 0.0000 | 84.271 | 4.71033 | 0.00000 | 789605.1 | 335679.1 | 0.0 | U/P |
| 24.950 | 0.0000 | 0.0000 | 84.269 | 4.70958 | 0.00000 | 789605.1 | 335820.4 | 0.0 | U/P |
| 24.958 | 0.0000 | 0.0000 | 84.267 | 4.70882 | 0.00000 | 789605.1 | 335961.7 | 0.0 | U/P |
| 24.967 | 0.0000 | 0.0000 | 84.266 | 4.70807 | 0.00000 | 789605.1 | 336102.9 | 0.0 | U/P |
| 24.975 | 0.0000 | 0.0000 | 84.264 | 4.70732 | 0.00000 | 789605.1 | 336244.1 | 0.0 | U/P |
| 24.983 | 0.0000 | 0.0000 | 84.262 | 4.70656 | 0.00000 | 789605.1 | 336385.3 | 0.0 | U/P |
| 24.992 | 0.0000 | 0.0000 | 84.261 | 4.70581 | 0.00000 | 789605.1 | 336526.5 | 0.0 | U/P |
| 25.000 | 0.0000 | 0.0000 | 84.259 | 4.70506 | 0.00000 | 789605.1 | 336667.7 | 0.0 | U/P |
| 25.008 | 0.0000 | 0.0000 | 84.257 | 4.70430 | 0.00000 | 789605.1 | 336808.8 | 0.0 | U/P |
| 25.017 | 0.0000 | 0.0000 | 84.255 | 4.70355 | 0.00000 | 789605.1 | 336949.9 | 0.0 | U/P |
| 25.025 | 0.0000 | 0.0000 | 84.254 | 4.70280 | 0.00000 | 789605.1 | 337091.0 | 0.0 | U/P |
| 25.033 | 0.0000 | 0.0000 | 84.252 | 4.70204 | 0.00000 | 789605.1 | 337232.1 | 0.0 | U/P |
| 25.042 | 0.0000 | 0.0000 | 84.250 | 4.70129 | 0.00000 | 789605.1 | 337373.2 | 0.0 | U/P |
| 25.050 | 0.0000 | 0.0000 | 84.248 | 4.70053 | 0.00000 | 789605.1 | 337514.2 | 0.0 | U/P |
| 25.058 | 0.0000 | 0.0000 | 84.247 | 4.69978 | 0.00000 | 789605.1 | 337655.2 | 0.0 | U/P |
| 25.067 | 0.0000 | 0.0000 | 84.245 | 4.69903 | 0.00000 | 789605.1 | 337796.2 | 0.0 | U/P |
| 25.075 | 0.0000 | 0.0000 | 84.243 | 4.69827 | 0.00000 | 789605.1 | 337937.1 | 0.0 | U/P |
| 25.083 | 0.0000 | 0.0000 | 84.241 | 4.69752 | 0.00000 | 789605.1 | 338078.1 | 0.0 | U/P |
| 25.092 | 0.0000 | 0.0000 | 84.240 | 4.69677 | 0.00000 | 789605.1 | 338219.0 | 0.0 | U/P |
| 25.100 | 0.0000 | 0.0000 | 84.238 | 4.69601 | 0.00000 | 789605.1 | 338359.9 | 0.0 | U/P |
| 25.108 | 0.0000 | 0.0000 | 84.236 | 4.69526 | 0.00000 | 789605.1 | 338500.8 | 0.0 | U/P |
| 25.117 | 0.0000 | 0.0000 | 84.234 | 4.69451 | 0.00000 | 789605.1 | 338641.6 | 0.0 | U/P |
| 25.125 | 0.0000 | 0.0000 | 84.233 | 4.69375 | 0.00000 | 789605.1 | 338782.4 | 0.0 | U/P |
| 25.133 | 0.0000 | 0.0000 | 84.231 | 4.69300 | 0.00000 | 789605.1 | 338923.2 | 0.0 | U/P |
| 25.142 | 0.0000 | 0.0000 | 84.229 | 4.69225 | 0.00000 | 789605.1 | 339064.0 | 0.0 | U/P |
| 25.150 | 0.0000 | 0.0000 | 84.228 | 4.69149 | 0.00000 | 789605.1 | 339204.8 | 0.0 | U/P |
| 25.158 | 0.0000 | 0.0000 | 84.226 | 4.69074 | 0.00000 | 789605.1 | 339345.5 | 0.0 | U/P |
| 25.167 | 0.0000 | 0.0000 | 84.224 | 4.68998 | 0.00000 | 789605.1 | 339486.2 | 0.0 | U/P |
| 25.175 | 0.0000 | 0.0000 | 84.222 | 4.68923 | 0.00000 | 789605.1 | 339626.9 | 0.0 | U/P |
| 25.183 | 0.0000 | 0.0000 | 84.221 | 4.68848 | 0.00000 | 789605.1 | 339767.6 | 0.0 | U/P |
| 25.192 | 0.0000 | 0.0000 | 84.219 | 4.68772 | 0.00000 | 789605.1 | 339908.2 | 0.0 | U/P |
| 25.200 | 0.0000 | 0.0000 | 84.217 | 4.68697 | 0.00000 | 789605.1 | 340048.8 | 0.0 | U/P |
| 25.208 | 0.0000 | 0.0000 | 84.215 | 4.68622 | 0.00000 | 789605.1 | 340189.4 | 0.0 | U/P |
| 25.217 | 0.0000 | 0.0000 | 84.214 | 4.68546 | 0.00000 | 789605.1 | 340330.0 | 0.0 | U/P |
| 25.225 | 0.0000 | 0.0000 | 84.212 | 4.68471 | 0.00000 | 789605.1 | 340470.5 | 0.0 | U/P |
| 25.233 | 0.0000 | 0.0000 | 84.210 | 4.68396 | 0.00000 | 789605.1 | 340611.1 | 0.0 | U/P |
| 25.242 | 0.0000 | 0.0000 | 84.208 | 4.68320 | 0.00000 | 789605.1 | 340751.6 | 0.0 | U/P |
| 25.250 | 0.0000 | 0.0000 | 84.207 | 4.68245 | 0.00000 | 789605.1 | 340892.1 | 0.0 | U/P |
| 25.258 | 0.0000 | 0.0000 | 84.205 | 4.68170 | 0.00000 | 789605.1 | 341032.5 | 0.0 | U/P |
| 25.267 | 0.0000 | 0.0000 | 84.203 | 4.68094 | 0.00000 | 789605.1 | 341173.0 | 0.0 | U/P |
| 25.275 | 0.0000 | 0.0000 | 84.201 | 4.68019 | 0.00000 | 789605.1 | 341313.4 | 0.0 | U/P |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :. Scenario 1 :: Pond 5100 yr/24 hr

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | $\begin{gathered} \text { Cumulative } \\ \text { inflow } \\ \text { Votume ( } \mathrm{ft}^{3} \text { ) } \end{gathered}$ | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Fiow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 25.283 | 0.0000 | 0.0000 | 84.200 | 4.67943 | 0.00000 | 789605.1 | 341453.8 | 0.0 | U/P |
| 25.292 | 0.0000 | 0.0000 | 84.198 | 4.67868 | 0.00000 | 789605.1 | 341594.2 | 0.0 | U/P |
| 25.300 | 0.0000 | 0.0000 | 84.196 | 4.67793 | 0.00000 | 789605.1 | 341734.5 | 0.0 | U/P |
| 25.308 | 0.0000 | 0.0000 | 84.195 | 4.67717 | 0.00000 | 789605.1 | 341874.8 | 0.0 | U/P |
| 25.317 | 0.0000 | 0.0000 | 84.193 | 4.67642 | 0.00000 | 789605.1 | 342015.1 | 0.0 | U/P |
| 25.325 | 0.0000 | 0.0000 | 84.191 | 4.67567 | 0.00000 | 789605.1 | 342155.4 | 0.0 | U/P |
| 25.333 | 0.0000 | 0.0000 | 84.189 | 4.67491 | 0.00000 | 789605.1 | 342295.7 | 0.0 | U/P |
| 25.342 | 0.0000 | 0.0000 | 84.188 | 4.67416 | 0.00000 | 789605.1 | 342435.9 | 0.0 | U/P |
| 25.350 | 0.0000 | 0.0000 | 84.186 | 4.67341 | 0.00000 | 789605.1 | 342576.1 | 0.0 | U/P |
| 25.358 | 0.0000 | 0.0000 | 84.184 | 4.67265 | 0.00000 | 789605.1 | 342716.3 | 0.0 | U/P |
| 25.367 | 0.0000 | 0.0000 | 84.182 | 4.67190 | 0.00000 | 789605.1 | 342856.5 | 0.0 | U/P |
| 25.375 | 0.0000 | 0.0000 | 84.181 | 4.67114 | 0.00000 | 789605.1 | 342996.6 | 0.0 | U/P |
| 25.383 | 0.0000 | 0.0000 | 84.179 | 4.67039 | 0.00000 | 789605.1 | 343136.8 | 0.0 | U/P |
| 25.392 | 0.0000 | 0.0000 | 84.177 | 4.66964 | 0.00000 | 789605.1 | 343276.8 | 0.0 | U/P |
| 25.400 | 0.0000 | 0.0000 | 84.175 | 4.66888 | 0.00000 | 789605.1 | 343416.9 | 0.0 | U/P |
| 25.408 | 0.0000 | 0.0000 | 84.174 | 4.66813 | 0.00000 | 789605.1 | 343557.0 | 0.0 | U/P |
| 25.417 | 0.0000 | 0.0000 | 84.172 | 4.66738 | 0.00000 | 789605.1 | 343697.0 | 0.0 | U/P |
| 25.425 | 0.0000 | 0.0000 | 84.170 | 4.66662 | 0.00000 | 789605.1 | 343837.0 | 0.0 | U/P |
| 25.433 | 0.0000 | 0.0000 | 84.169 | 4.66587 | 0.00000 | 789605.1 | 343977.0 | 0.0 | U/P |
| 25.442 | 0.0000 | 0.0000 | 84.167 | 4.66512 | 0.00000 | 789605.1 | 344117.0 | 0.0 | U/P |
| 25.450 | 0.0000 | 0.0000 | 84.165 | 4.66436 | 0.00000 | 789605.1 | 344256.9 | 0.0 | U/P |
| 25.458 | 0.0000 | 0.0000 | 84.163 | 4.66361 | 0.00000 | 789605.1 | 344396.8 | 0.0 | U/P |
| 25.467 | 0.0000 | 0.0000 | 84.162 | 4.66286 | 0.00000 | 789605.1 | 344536.7 | 0.0 | U/P |
| 25.475 | 0.0000 | 0.0000 | 84.160 | 4.66210 | 0.00000 | 789605.1 | 344676.6 | 0.0 | U/P |
| 25.483 | 0.0000 | 0.0000 | 84.158 | 4.66135 | 0.00000 | 789605.1 | 344816.5 | 0.0 | U/P |
| 25.492 | 0.0000 | 0.0000 | 84.156 | 4.66059 | 0.00000 | 789605.1 | 344956.3 | 0.0 | U/P |
| 25.500 | 0.0000 | 0.0000 | 84.155 | 4.65984 | 0.00000 | 789605.1 | 345096.1 | 0.0 | U/P |
| 25.508 | 0.0000 | 0.0000 | 84.153 | 4.65909 | 0.00000 | 789605.1 | 345235.9 | 0.0 | U/P |
| 25.517 | 0.0000 | 0.0000 | 84.151 | 4.65833 | 0.00000 | 789605.1 | 345375.6 | 0.0 | U/P |
| 25.525 | 0.0000 | 0.0000 | 84.149 | 4.65758 | 0.00000 | 789605.1 | 345515.4 | 0.0 | U/P |
| 25.533 | 0.0000 | 0.0000 | 84.148 | 4.65683 | 0.00000 | 789605.1 | 345655.1 | 0.0 | U/P |
| 25.542 | 0.0000 | 0.0000 | 84.146 | 4.65607 | 0.00000 | 789605.1 | 345794.8 | 0.0 | U/P |
| 25.550 | 0.0000 | 0.0000 | 84.144 | 4.65532 | 0.00000 | 789605.1 | 345934.5 | 0.0 | U/P |
| 25.558 | 0.0000 | 0.0000 | 84.142 | 4.65457 | 0.00000 | 789605.1 | 346074.1 | 0.0 | U/P |
| 25.567 | 0.0000 | 0.0000 | 84.141 | 4.65381 | 0.00000 | 789605.1 | 346213.7 | 0.0 | U/P |
| 25.575 | 0.0000 | 0.0000 | 84.139 | 4.65306 | 0.00000 | 789605.1 | 346353.3 | 0.0 | U/P |
| 25.583 | 0.0000 | 0.0000 | 84.137 | 4.65231 | 0.00000 | 789605.1 | 346492.9 | 0.0 | U/P |
| 25.592 | 0.0000 | 0.0000 | 84.136 | 4.65155 | 0.00000 | 789605.1 | 346632.5 | 0.0 | U/P |
| 25.600 | 0.0000 | 0.0000 | 84.134 | 4.65080 | 0.00000 | 789605.1 | 346772.0 | 0.0 | U/P |
| 25.608 | 0.0000 | 0.0000 | 84.132 | 4.65004 | 0.00000 | 789605.1 | 346911.5 | 0.0 | U/P |
| 25.617 | 0.0000 | 0.0000 | 84.130 | 4.64929 | 0.00000 | 789605.1 | 347051.0 | 0.0 | U/P |
| 25.625 | 0.0000 | 0.0000 | 84.129 | 4.64854 | 0.00000 | 789605.1 | 347190.5 | 0.0 | U/P |
| 25.633 | 0.0000 | 0.0000 | 84.127 | 4.64778 | 0.00000 | 789605.1 | 347329.9 | 0.0 | U/P |
| 25.642 | 0.0000 | 0.0000 | 84.125 | 4.64703 | 0.00000 | 789605.1 | 347469.3 | 0.0 | U/P |
| 25.650 | 0.0000 | 0.0000 | 84.123 | 4.64628 | 0.00000 | 789605.1 | 347608.8 | 0.0 | U/P |
| 25.658 | 0.0000 | 0.0000 | 84.122 | 4.64552 | 0.00000 | 789605.1 | 347748.1 | 0.0 | U/P |
| 25.667 | 0.0000 | 0.0000 | 84.120 | 4.64477 | 0.00000 | 789605.1 | 347887.5 | 0.0 | U/P |
| 25.675 | 0.0000 | 0.0000 | 84.118 | 4.64402 | 0.00000 | 789605.1 | 348026.8 | 0.0 | U/P |
| 25.683 | 0.0000 | 0.0000 | 84.116 | 4.64326 | 0.00000 | 789605.1 | 348166.1 | 0.0 | U/P |
| 25.692 | 0.0000 | 0.0000 | 84.115 | 4.64251 | 0.00000 | 789605.1 | 348305.4 | 0.0 | U/P |
| 25.700 | 0.0000 | 0.0000 | 84.113 | 4.64176 | 0.00000 | 789605.1 | 348444.7 | 0.0 | U/P |
| 25.708 | 0.0000 | 0.0000 | 84.111 | 4.64100 | 0.00000 | 789605.1 | 348583.9 | 0.0 | U/P |
| 25.717 | 0.0000 | 0.0000 | 84.109 | 4.64025 | 0.00000 | 789605.1 | 348723.1 | 0.0 | U/P |
| 25.725 | 0.0000 | 0.0000 | 84.108 | 4.63949 | 0.00000 | 789605.1 | 348862.3 | 0.0 | U/P |
| 25.733 | 0.0000 | 0.0000 | 84.106 | 4.63874 | 0.00000 | 789605.1 | 349001.5 | 0.0 | U/P |
| 25.742 | 0.0000 | 0.0000 | 84.104 | 4.63799 | 0.00000 | 789605.1 | 349140.7 | 0.0 | U/P |
| 25.750 | 0.0000 | 0.0000 | 84.103 | 4.63723 | 0.00000 | 789605.1 | 349279.8 | 0.0 | U/P |
| 25.758 | 0.0000 | 0.0000 | 84.101 | 4.63648 | 0.00000 | 789605.1 | 349418.9 | 0.0 | U/P |
| 25.767 | 0.0000 | 0.0000 | 84.099 | 4.63573 | 0.00000 | 789605.1 | 349558.0 | 0.0 | U/P |
| 25.775 | 0.0000 | 0.0000 | 84.097 | 4.63497 | 0.00000 | 789605.1 | 349697.0 | 0.0 | U/P |
| 25.783 | 0.0000 | 0.0000 | 84.096 | 4.63422 | 0.00000 | 789605.1 | 349836.1 | 0.0 | U/P |
| 25.792 | 0.0000 | 0.0000 | 84.094 | 4.63347 | 0.00000 | 789605.1 | 349975.1 | 0.0 | U/P |
| 25.800 | 0.0000 | 0.0000 | 84.092 | 4.63271 | 0.00000 | 789605.1 | 350114.1 | 0.0 | U/P |
| 25.808 | 0.0000 | 0.0000 | 84.090 | 4.63196 | 0.00000 | 789605.1 | 350253.0 | 0.0 | U/P |
| 25.817 | 0.0000 | 0.0000 | 84.089 | 4.63121 | 0.00000 | 789605.1 | 350392.0 | 0.0 | U/P |
| 25.825 | 0.0000 | 0.0000 | 84.087 | 4.63045 | 0.00000 | 789605.1 | 350530.9 | 0.0 | U/P |
| 25.833 | 0.0000 | 0.0000 | 84.085 | 4.62970 | 0.00000 | 789605.1 | 350669.8 | 0.0 | U/P |
| 25.842 | 0.0000 | 0.0000 | 84.083 | 4.62894 | 0.00000 | 789605.1 | 350808.7 | 0.0 | U/P |
| 25.850 | 0.0000 | 0.0000 | 84.082 | 4.62819 | 0.00000 | 789605.1 | 350947.6 | 0.0 | U/P |
| 25.858 | 0.0000 | 0.0000 | 84.080 | 4.62744 | 0.00000 | 789605.1 | 351086.4 | 0.0 | U/P |
| 25.867 | 0.0000 | 0.0000 | 84.078 | 4.62668 | 0.00000 | 789605.1 | 351225.2 | 0.0 | U/P |
| 25.875 | 0.0000 | 0.0000 | 84.076 | 4.62593 | 0.00000 | 789605.1 | 351364.0 | 0.0 | U/P |
| 25.883 | 0.0000 | 0.0000 | 84.075 | 4.62518 | 0.00000 | 789605.1 | 351502.8 | 0.0 | U/P |
| 25.892 | 0.0000 | 0.0000 | 84.073 | 4.62442 | 0.00000 | 789605.1 | 351641.5 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: Pond 5100 yr / 24 hr

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{fl}^{3 / 5}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{t}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 25.900 | 0.0000 | 0.0000 | 84.071 | 4.62367 | 0.00000 | 789605.1 | 351780.2 | 0.0 | U/P |
| 25.908 | 0.0000 | 0.0000 | 84.070 | 4.62292 | 0.00000 | 789605.1 | 351918.9 | 0.0 | U/P |
| 25.917 | 0.0000 | 0.0000 | 84.068 | 4.62216 | 0.00000 | 789605.1 | 352057.6 | 0.0 | U/P |
| 25.925 | 0.0000 | 0.0000 | 84.066 | 4.62141 | 0.00000 | 789605.1 | 352196.3 | 0.0 | U/P |
| 25.933 | 0.0000 | 0.0000 | 84.064 | 4.62066 | 0.00000 | 789605.1 | 352334.9 | 0.0 | U/P |
| 25.942 | 0.0000 | 0.0000 | 84.063 | 4.61990 | 0.00000 | 789605.1 | 352473.5 | 0.0 | U/P |
| 25.950 | 0.0000 | 0.0000 | 84.061 | 4.61915 | 0.00000 | 789605.1 | 352612.1 | 0.0 | U/P |
| 25.958 | 0.0000 | 0.0000 | 84.059 | 4.61839 | 0.00000 | 789605.1 | 352750.6 | 0.0 | U/P |
| 25.967 | 0.0000 | 0.0000 | 84.057 | 4.61764 | 0.00000 | 789605.1 | 352889.2 | 0.0 | U/P |
| 25.975 | 0.0000 | 0.0000 | 84.056 | 4.61689 | 0.00000 | 789605.1 | 353027.7 | 0.0 | U/P |
| 25.983 | 0.0000 | 0.0000 | 84.054 | 4.61613 | 0.00000 | 789605.1 | 353166.2 | 0.0 | U/P |
| 25.992 | 0.0000 | 0.0000 | 84.052 | 4.61538 | 0.00000 | 789605.1 | 353304.7 | 0.0 | U/P |
| 26.000 | 0.0000 | 0.0000 | 84.050 | 4.61463 | 0.00000 | 789605.1 | 353443.1 | 0.0 | U/P |
| 26.008 | 0.0000 | 0.0000 | 84.049 | 4.61387 | 0.00000 | 789605.1 | 353581.5 | 0.0 | U/P |
| 26.017 | 0.0000 | 0.0000 | 84.047 | 4.61312 | 0.00000 | 789605.1 | 353719.9 | 0.0 | U/P |
| 26.025 | 0.0000 | 0.0000 | 84.045 | 4.61237 | 0.00000 | 789605.1 | 353858.3 | 0.0 | U/P |
| 26.033 | 0.0000 | 0.0000 | 84.043 | 4.61161 | 0.00000 | 789605.1 | 353996.7 | 0.0 | U/P |
| 26.042 | 0.0000 | 0.0000 | 84.042 | 4.61086 | 0.00000 | 789605.1 | 354135.0 | 0.0 | U/P |
| 26.050 | 0.0000 | 0.0000 | 84.040 | 4.61010 | 0.00000 | 789605.1 | 354273.3 | 0.0 | U/P |
| 26.058 | 0.0000 | 0.0000 | 84.038 | 4.60935 | 0.00000 | 789605.1 | 354411.6 | 0.0 | U/P |
| 26.067 | 0.0000 | 0.0000 | 84.037 | 4.60860 | 0.00000 | 789605.1 | 354549.9 | 0.0 | U/P |
| 26.075 | 0.0000 | 0.0000 | 84.035 | 4.60784 | 0.00000 | 789605.1 | 354688.2 | 0.0 | U/P |
| 26.083 | 0.0000 | 0.0000 | 84.033 | 4.60709 | 0.00000 | 789605.1 | 354826.4 | 0.0 | U/P |
| 26.092 | 0.0000 | 0.0000 | 84.031 | 4.60634 | 0.00000 | 789605.1 | 354964.6 | 0.0 | U/P |
| 26.100 | 0.0000 | 0.0000 | 84.030 | 4.60558 | 0.00000 | 789605.1 | 355102.8 | 0.0 | U/P |
| 26.108 | 0.0000 | 0.0000 | 84.028 | 4.60483 | 0.00000 | 789605.1 | 355240.9 | 0.0 | U/P |
| 26.117 | 0.0000 | 0.0000 | 84.026 | 4.60408 | 0.00000 | 789605.1 | 355379.0 | 0.0 | U/P |
| 26.125 | 0.0000 | 0.0000 | 84.024 | 4.60332 | 0.00000 | 789605.1 | 355517.2 | 0.0 | U/P |
| 26.133 | 0.0000 | 0.0000 | 84.023 | 4.60257 | 0.00000 | 789605.1 | 355655.3 | 0.0 | U/P |
| 26.142 | 0.0000 | 0.0000 | 84.021 | 4.60182 | 0.00000 | 789605.1 | 355793.3 | 0.0 | U/P |
| 26.150 | 0.0000 | 0.0000 | 84.019 | 4.60106 | 0.00000 | 789605.1 | 355931.3 | 0.0 | U/P |
| 26.158 | 0.0000 | 0.0000 | 84.017 | 4.60031 | 0.00000 | 789605.1 | 356069.4 | 0.0 | U/P |
| 26.167 | 0.0000 | 0.0000 | 84.016 | 4.59955 | 0.00000 | 789605.1 | 356207.4 | 0.0 | U/P |
| 26.175 | 0.0000 | 0.0000 | 84.014 | 4.59880 | 0.00000 | 789605.1 | 356345.3 | 0.0 | U/P |
| 26.183 | 0.0000 | 0.0000 | 84.012 | 4.59805 | 0.00000 | 789605.1 | 356483.3 | 0.0 | U/P |
| 26.192 | 0.0000 | 0.0000 | 84.011 | 4.59729 | 0.00000 | 789605.1 | 356621.2 | 0.0 | U/P |
| 26.200 | 0.0000 | 0.0000 | 84.009 | 4.59654 | 0.00000 | 789605.1 | 356759.1 | 0.0 | U/P |
| 26.208 | 0.0000 | 0.0000 | 84.007 | 4.59579 | 0.00000 | 789605.1 | 356897.0 | 0.0 | U/P |
| 26.217 | 0.0000 | 0.0000 | 84.005 | 4.59503 | 0.00000 | 789605.1 | 357034.9 | 0.0 | U/P |
| 26.225 | 0.0000 | 0.0000 | 84.004 | 4.59428 | 0.00000 | 789605.1 | 357172.7 | 0.0 | U/P |
| 26.233 | 0.0000 | 0.0000 | 84.002 | 4.59353 | 0.00000 | 789605.1 | 357310.5 | 0.0 | U/P |
| 26.242 | 0.0000 | 0.0000 | 84.000 | 4.59277 | 0.00000 | 789605.1 | 357448.3 | 0.0 | U/P |
| 26.250 | 0.0000 | 0.0000 | 83.998 | 4.59202 | 0.00000 | 789605.1 | 357586.1 | 0.0 | U/P |
| 26.258 | 0.0000 | 0.0000 | 83.997 | 4.59127 | 0.00000 | 789605.1 | 357723.8 | 0.0 | U/P |
| 26.267 | 0.0000 | 0.0000 | 83.995 | 4.59053 | 0.00000 | 789605.1 | 357861.6 | 0.0 | U/P |
| 26.275 | 0.0000 | 0.0000 | 83.993 | 4.58978 | 0.00000 | 789605.1 | 357999.3 | 0.0 | U/P |
| 26.283 | 0.0000 | 0.0000 | 83.991 | 4.58903 | 0.00000 | 789605.1 | 358137.0 | 0.0 | U/P |
| 26.292 | 0.0000 | 0.0000 | 83.990 | 4.58828 | 0.00000 | 789605.1 | 358274.6 | 0.0 | U/P |
| 26.300 | 0.0000 | 0.0000 | 83.988 | 4.58753 | 0.00000 | 789605.1 | 358412.3 | 0.0 | U/P |
| 26.308 | 0.0000 | 0.0000 | 83.986 | 4.58678 | 0.00000 | 789605.1 | 358549.9 | 0.0 | U/P |
| 26.317 | 0.0000 | 0.0000 | 83.984 | 4.58604 | 0.00000 | 789605.1 | 358687.5 | 0.0 | U/P |
| 26.325 | 0.0000 | 0.0000 | 83.983 | 4.58529 | 0.00000 | 789605.1 | 358825.0 | 0.0 | U/P |
| 26.333 | 0.0000 | 0.0000 | 83,981 | 4.58454 | 0.00000 | 789605.1 | 358962.6 | 0.0 | U/P |
| 26.342 | 0.0000 | 0.0000 | 83.979 | 4.58379 | 0.00000 | 789605.1 | 359100.1 | 0.0 | U/P |
| 26.350 | 0.0000 | 0.0000 | 83.978 | 4.58304 | 0.00000 | 789605.1 | 359237.6 | 0.0 | U/P |
| 26.358 | 0.0000 | 0.0000 | 83.976 | 4.58230 | 0.00000 | 789605.1 | 359375.1 | 0.0 | U/P |
| 26.367 | 0.0000 | 0.0000 | 83.974 | 4.58155 | 0.00000 | 789605.1 | 359512.6 | 0.0 | U/P |
| 26.375 | 0.0000 | 0.0000 | 83.972 | 4.58080 | 0.00000 | 789605.1 | 359650.0 | 0.0 | U/P |
| 26.383 | 0.0000 | 0.0000 | 83.971 | 4.58005 | 0.00000 | 789605.1 | 359787.4 | 0.0 | U/P |
| 26.392 | 0.0000 | 0.0000 | 83.969 | 4.57930 | 0.00000 | 789605.1 | 359924.8 | 0.0 | U/P |
| 26.400 | 0.0000 | 0.0000 | 83.967 | 4.57855 | 0.00000 | 789605.1 | 360062.2 | 0.0 | U/P |
| 26.408 | 0.0000 | 0.0000 | 83.965 | 4.57781 | 0.00000 | 789605.1 | 360199.5 | 0.0 | U/P |
| 26.417 | 0.0000 | 0.0000 | 83.964 | 4.57706 | 0.00000 | 789605.1 | 360336.8 | 0.0 | U/P |
| 26.425 | 0.0000 | 0.0000 | 83.962 | 4.57631 | 0.00000 | 789605.1 | 360474.1 | 0.0 | U/P |
| 26.433 | 0.0000 | 0.0000 | 83.960 | 4.57556 | 0.00000 | 789605.1 | 360611.4 | 0.0 | U/P |
| 26.442 | 0.0000 | 0.0000 | 83.958 | 4.57481 | 0.00000 | 789605.1 | 360748.7 | 0.0 | U/P |
| 26.450 | 0.0000 | 0.0000 | 83.957 | 4.57407 | 0.00000 | 789605.1 | 360885.9 | 0.0 | U/P |
| 26.458 | 0.0000 | 0.0000 | 83.955 | 4.57332 | 0.00000 | 789605.1 | 361023.1 | 0.0 | U/P |
| 26.467 | 0.0000 | 0.0000 | 83.953 | 4.57257 | 0.00000 | 789605.1 | 361160.3 | 0.0 | U/P |
| 26.475 | 0.0000 | 0.0000 | 83.951 | 4.57182 | 0.00000 | 789605.1 | 361297.5 | 0.0 | U/P |
| 26.483 | 0.0000 | 0.0000 | 83.950 | 4.57107 | 0.00000 | 789605.1 | 361434.6 | 0.0 | U/P |
| 26.492 | 0.0000 | 0.0000 | 83.948 | 4.57032 | 0.00000 | 789605.1 | 361571.7 | 0.0 | U/P |
| 26.500 | 0.0000 | 0.0000 | 83.946 | 4.56958 | 0.00000 | 789605.1 | 361708.8 | 0.0 | U/P |
| 26.508 | 0.0000 | 0.0000 | 83.945 | 4.56883 | 0.00000 | 789605.1 | 361845.9 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 5100 yr/24 hr

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge $\left(\mathrm{f}^{3} / \mathrm{s}\right)$ | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 26.517 | 0.0000 | 0.0000 | 83.943 | 4.56808 | 0.00000 | 789605.1 | 361983.0 | 0.0 | U/P |
| 26.525 | 0.0000 | 0.0000 | 83.941 | 4.56733 | 0.00000 | 789605.1 | 362120.0 | 0.0 | U/P |
| 26.533 | 0.0000 | 0.0000 | 83.939 | 4.56658 | 0.00000 | 789605.1 | 362257.0 | 0.0 | U/P |
| 26.542 | 0.0000 | 0.0000 | 83.938 | 4.56584 | 0.00000 | 789605.1 | 362394.0 | 0.0 | U/P |
| 26.550 | 0.0000 | 0.0000 | 83,936 | 4.56509 | 0.00000 | 789605.1 | 362530.9 | 0.0 | U/P |
| 26.558 | 0.0000 | 0.0000 | 83.934 | 4.56434 | 0.00000 | 789605.1 | 362667.9 | 0.0 | U/P |
| 26.567 | 0.0000 | 0.0000 | 83.932 | 4.56359 | 0.00000 | 789605.1 | 362804.8 | 0.0 | U/P |
| 26.575 | 0.0000 | 0.0000 | 83.931 | 4.56284 | 0.00000 | 789605.1 | 362941.7 | 0.0 | U/P |
| 26.583 | 0.0000 | 0.0000 | 83.929 | 4.56210 | 0.00000 | 789605.1 | 363078.6 | 0.0 | U/P |
| 26.592 | 0.0000 | 0.0000 | 83.927 | 4.56135 | 0.00000 | 789605.1 | 363215.4 | 0.0 | U/P |
| 26.600 | 0.0000 | 0.0000 | 83.925 | 4.56060 | 0.00000 | 789605.1 | 363352.3 | 0.0 | U/P |
| 26.608 | 0.0000 | 0.0000 | 83.924 | 4.55985 | 0.00000 | 789605.1 | 363489.1 | 0.0 | U/P |
| 26.617 | 0.0000 | 0.0000 | 83.922 | 4.55910 | 0.00000 | 789605.1 | 363625.8 | 0.0 | U/P |
| 26.625 | 0.0000 | 0.0000 | 83.920 | 4.55835 | 0.00000 | 789605.1 | 363762.6 | 0.0 | U/P |
| 26.633 | 0.0000 | 0.0000 | 83.918 | 4.55761 | 0.00000 | 789605.1 | 363899.3 | 0.0 | U/P |
| 26.642 | 0.0000 | 0.0000 | 83.917 | 4.55686 | 0.00000 | 789605.1 | 364036.1 | 0.0 | U/P |
| 26.650 | 0,0000 | 0.0000 | 83.915 | 4.55611 | 0.00000 | 789605.1 | 364172.8 | 0.0 | U/P |
| 26.658 | 0.0000 | 0.0000 | 83.913 | 4.55536 | 0.00000 | 789605.1 | 364309.4 | 0.0 | U/P |
| 26.667 | 0.0000 | 0.0000 | 83.912 | 4.55461 | 0.00000 | 789605.1 | 364446.1 | 0.0 | U/P |
| 26.675 | 0.0000 | 0.0000 | 83.910 | 4.55387 | 0.00000 | 789605.1 | 364582.7 | 0.0 | U/P |
| 26.683 | 0.0000 | 0.0000 | 83.908 | 4.55312 | 0.00000 | 789605.1 | 364719.3 | 0.0 | U/P |
| 26.692 | 0.0000 | 0.0000 | 83.906 | 4.55237 | 0.00000 | 789605.1 | 364855.9 | 0.0 | U/P |
| 26.700 | 0.0000 | 0.0000 | 83.905 | 4.55162 | 0.00000 | 789605.1 | 364992.5 | 0.0 | U/P |
| 26.708 | 0.0000 | 0.0000 | 83.903 | 4.55087 | 0.00000 | 789605.1 | 365129.0 | 0.0 | U/P |
| 26.717 | 0.0000 | 0.0000 | 83.901 | 4.55012 | 0.00000 | 789605.1 | 365265.5 | 0.0 | U/P |
| 26.725 | 0.0000 | 0.0000 | 83.899 | 4.54938 | 0.00000 | 789605.1 | 365402.0 | 0.0 | U/P |
| 26.733 | 0.0000 | 0.0000 | 83.898 | 4.54863 | 0.00000 | 789605.1 | 365538.5 | 0.0 | U/P |
| 26.742 | 0.0000 | 0.0000 | 83.896 | 4.54788 | 0.00000 | 789605.1 | 365674.9 | 0.0 | U/P |
| 26.750 | 0.0000 | 0.0000 | 83.894 | 4.54713 | 0.00000 | 789605.1 | 365811.3 | 0.0 | U/P |
| 26.758 | 0.0000 | 0.0000 | 83.892 | 4.54638 | 0.00000 | 789605.1 | 365947.8 | 0.0 | U/P |
| 26.767 | 0.0000 | 0.0000 | 83.891 | 4.54564 | 0.00000 | 789605.1 | 366084.1 | 0.0 | U/P |
| 26.775 | 0.0000 | 0.0000 | 83.889 | 4.54489 | 0.00000 | 789605.1 | 366220.5 | 0.0 | U/P |
| 26.783 | 0.0000 | 0.0000 | 83.887 | 4.54414 | 0.00000 | 789605.1 | 366356.8 | 0.0 | U/P |
| 26.792 | 0.0000 | 0.0000 | 83.885 | 4.54339 | 0.00000 | 789605.1 | 366493.1 | 0.0 | U/P |
| 26.800 | 0.0000 | 0.0000 | 83.884 | 4.54264 | 0.00000 | 789605.1 | 366629.4 | 0.0 | U/P |
| 26.808 | 0.0000 | 0.0000 | 83.882 | 4.54189 | 0.00000 | 789605.1 | 366765.7 | 0.0 | U/P |
| 26.817 | 0.0000 | 0.0000 | 83.880 | 4.54115 | 0.00000 | 789605.1 | 366901.9 | 0.0 | U/P |
| 26.825 | 0.0000 | 0.0000 | 83.879 | 4.54040 | 0.00000 | 789605.1 | 367038.2 | 0.0 | U/P |
| 26.833 | 0.0000 | 0.0000 | 83.877 | 4.53965 | 0.00000 | 789605.1 | 367174.3 | 0.0 | U/P |
| 26.842 | 0.0000 | 0.0000 | 83.875 | 4.53890 | 0.00000 | 789605.1 | 367310.5 | 0.0 | U/P |
| 26.850 | 0.0000 | 0.0000 | 83.873 | 4.53815 | 0.00000 | 789605.1 | 367446.7 | 0.0 | U/P |
| 26.858 | 0.0000 | 0.0000 | 83.872 | 4.53741 | 0.00000 | 789605.1 | 367582.8 | 0.0 | U/P |
| 26.867 | 0.0000 | 0.0000 | 83.870 | 4.53666 | 0.00000 | 789605.1 | 367718.9 | 0.0 | U/P |
| 26.875 | 0.0000 | 0.0000 | 83.868 | 4.53591 | 0.00000 | 789605.1 | 367855.0 | 0.0 | U/P |
| 26.883 | 0.0000 | 0.0000 | 83.866 | 4.53516 | 0.00000 | 789605.1 | 367991.1 | 0.0 | U/P |
| 26.892 | 0.0000 | 0.0000 | 83.865 | 4.53441 | 0.00000 | 789605.1 | 368127.1 | 0.0 | U/P |
| 26.900 | 0.0000 | 0.0000 | 83.863 | 4.53367 | 0.00000 | 789605.1 | 368263.2 | 0.0 | U/P |
| 26.908 | 0.0000 | 0.0000 | 83.861 | 4.53292 | 0.00000 | 789605.1 | 368399.2 | 0.0 | U/P |
| 26.917 | 0.0000 | 0.0000 | 83.859 | 4.53217 | 0.00000 | 789605.1 | 368535.1 | 0.0 | U/P |
| 26.925 | 0.0000 | 0.0000 | 83.858 | 4.53142 | 0.00000 | 789605.1 | 368671.1 | 0.0 | U/P |
| 26.933 | 0.0000 | 0.0000 | 83.856 | 4.53067 | 0.00000 | 789605.1 | 368807.0 | 0.0 | U/P |
| 26.942 | 0.0000 | 0.0000 | 83.854 | 4.52992 | 0.00000 | 789605.1 | 368942.9 | 0.0 | U/P |
| 26.950 | 0.0000 | 0.0000 | 83.852 | 4.52918 | 0.00000 | 789605.1 | 369078.8 | 0.0 | U/P |
| 26.958 | 0.0000 | 0.0000 | 83.851 | 4.52843 | 0.00000 | 789605.1 | 369214.7 | 0.0 | U/P |
| 26.967 | 0.0000 | 0.0000 | 83,849 | 4.52768 | 0.00000 | 789605.1 | 369350.5 | 0.0 | U/P |
| 26.975 | 0.0000 | 0.0000 | 83.847 | 4.52693 | 0.00000 | 789605.1 | 369486.3 | 0.0 | U/P |
| 26.983 | 0.0000 | 0.0000 | 83.846 | 4.52618 | 0.00000 | 789605.1 | 369622.1 | 0.0 | U/P |
| 26.992 | 0.0000 | 0.0000 | 83.844 | 4.52544 | 0.00000 | 789605.1 | 369757.9 | 0.0 | U/P |
| 27.000 | 0.0000 | 0.0000 | 83.842 | 4.52469 | 0.00000 | 789605.1 | 369893.7 | 0.0 | U/P |
| 27.008 | 0.0000 | 0.0000 | 83.840 | 4.52394 | 0.00000 | 789605.1 | 370029.4 | 0.0 | U/P |
| 27.017 | 0.0000 | 0.0000 | 83.839 | 4.52319 | 0.00000 | 789605.1 | 370165.1 | 0.0 | U/P |
| 27.025 | 0.0000 | 0.0000 | 83.837 | 4.52244 | 0.00000 | 789605.1 | 370300.8 | 0.0 | U/P |
| 27.033 | 0.0000 | 0.0000 | 83.835 | 4.52169 | 0.00000 | 789605.1 | 370436.4 | 0.0 | U/P |
| 27.042 | 0.0000 | 0.0000 | 83.833 | 4.52095 | 0.00000 | 789605.1 | 370572.1 | 0.0 | U/P |
| 27.050 | 0.0000 | 0.0000 | 83.832 | 4.52020 | 0.00000 | 789605.1 | 370707.7 | 0.0 | U/P |
| 27.058 | 0.0000 | 0.0000 | 83.830 | 4.51945 | 0.00000 | 789605.1 | 370843.3 | 0.0 | U/P |
| 27.067 | 0.0000 | 0.0000 | 83.828 | 4.51870 | 0.00000 | 789605.1 | 370978.9 | 0.0 | U/P |
| 27.075 | 0.0000 | 0.0000 | 83.826 | 4.51795 | 0.00000 | 789605.1 | 371114.4 | 0.0 | U/P |
| 27.083 | 0.0000 | 0.0000 | 83.825 | 4.51721 | 0.00000 | 789605.1 | 371249.9 | 0.0 | U/P |
| 27.092 | 0.0000 | 0.0000 | 83.823 | 4.51646 | 0.00000 | 789605.1 | 371385.4 | 0.0 | U/P |
| 27.100 | 0.0000 | 0.0000 | 83.821 | 4.51571 | 0.00000 | 789605.1 | 371520.9 | 0.0 | U/P |
| 27.108 | 0.0000 | 0.0000 | 83.820 | 4.51496 | 0.00000 | 789605.7 | 371656.4 | 0.0 | U/P |
| 27.117 | 0.0000 | 0.0000 | 83.818 | 4.51421 | 0.00000 | 789605.1 | 371791.8 | 0.0 | U/P |
| 27.125 | 0.0000 | 0.0000 | 83.816 | 4.51346 | 0.00000 | 789605.1 | 371927.3 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont.d.) :: Scenario 1 :: Pond $5100 \mathrm{gr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate (ft ${ }^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 27.133 | 0.0000 | 0.0000 | 83.814 | 4.51272 | 0.00000 | 789605.1 | 372062.6 | 0.0 | U/P |
| 27.142 | 0.0000 | 0.0000 | 83.813 | 4.51197 | 0.00000 | 789605.1 | 372198.0 | 0.0 | U/P |
| 27.150 | 0.0000 | 0.0000 | 83.811 | 4.51122 | 0.00000 | 789605.1 | 372333.3 | 0.0 | U/P |
| 27.158 | 0.0000 | 0.0000 | 83.809 | 4.51047 | 0.00000 | 789605.1 | 372468.7 | 0.0 | U/P |
| 27.167 | 0.0000 | 0.0000 | 83.807 | 4.50972 | 0.00000 | 789605.1 | 372604.0 | 0.0 | U/P |
| 27.175 | 0.0000 | 0.0000 | 83.806 | 4.50898 | 0.00000 | 789605.1 | 372739.3 | 0.0 | U/P |
| 27.183 | 0.0000 | 0.0000 | 83.804 | 4.50823 | 0.00000 | 789605.1 | 372874.5 | 0.0 | U/P |
| 27.192 | 0.0000 | 0.0000 | 83.802 | 4.50748 | 0.00000 | 789605.1 | 373009.8 | 0.0 | U/P |
| 27.200 | 0.0000 | 0.0000 | 83.800 | 4.50673 | 0.00000 | 789605.1 | 373145.0 | 0.0 | U/P |
| 27.208 | 0.0000 | 0.0000 | 83.799 | 4.50598 | 0.00000 | 789605.1 | 373280.2 | 0.0 | U/P |
| 27.217 | 0.0000 | 0.0000 | 83.797 | 4.50524 | 0.00000 | 789605.1 | 373415.3 | 0.0 | U/P |
| 27.225 | 0.0000 | 0.0000 | 83.795 | 4.50449 | 0.00000 | 789605.1 | 373550.5 | 0.0 | U/P |
| 27.233 | 0.0000 | 0.0000 | 83.793 | 4.50374 | 0.00000 | 789605.1 | 373685.6 | 0.0 | U/P |
| 27.242 | 0.0000 | 0.0000 | 83.792 | 4.50299 | 0.00000 | 789605.1 | 373820.7 | 0.0 | U/P |
| 27.250 | 0.0000 | 0.0000 | 83.790 | 4.50224 | 0.00000 | 789605.1 | 373955.8 | 0.0 | U/P |
| 27.258 | 0.0000 | 0.0000 | 83.788 | 4.50149 | 0.00000 | 789605.1 | 374090.8 | 0.0 | U/P |
| 27.267 | 0.0000 | 0.0000 | 83.787 | 4.50075 | 0.00000 | 789605.1 | 374225.9 | 0.0 | U/P |
| 27.275 | 0.0000 | 0.0000 | 83.785 | 4.50000 | 0.00000 | 789605.1 | 374360.9 | 0.0 | U/P |
| 27.283 | 0.0000 | 0.0000 | 83.783 | 4.49925 | 0.00000 | 789605.1 | 374495.9 | 0.0 | U/P |
| 27.292 | 0.0000 | 0.0000 | 83.781 | 4.49850 | 0.00000 | 789605.1 | 374630.8 | 0.0 | U/P |
| 27.300 | 0.0000 | 0.0000 | 83.780 | 4.49775 | 0.00000 | 789605.1 | 374765.8 | 0.0 | U/P |
| 27.308 | 0.0000 | 0.0000 | 83.778 | 4.49701 | 0.00000 | 789605.1 | 374900.7 | 0.0 | U/P |
| 27.317 | 0.0000 | 0.0000 | 83.776 | 4.49626 | 0.00000 | 789605.1 | 375035.6 | 0.0 | U/P |
| 27.325 | 0.0000 | 0.0000 | 83.774 | 4.49551 | 0.00000 | 789605.1 | 375170.5 | 0.0 | U/P |
| 27.333 | 0.0000 | 0.0000 | 83.773 | 4.49476 | 0.00000 | 789605.1 | 375305.3 | 0.0 | U/P |
| 27.342 | 0.0000 | 0.0000 | 83.771 | 4.49401 | 0.00000 | 789605.1 | 375440.2 | 0.0 | U/P |
| 27.350 | 0.0000 | 0.0000 | 83.769 | 4.49326 | 0.00000 | 789605.1 | 375575.0 | 0.0 | U/P |
| 27.358 | 0.0000 | 0.0000 | 83.767 | 4.49252 | 0.00000 | 789605.1 | 375709.8 | 0.0 | U/P |
| 27.367 | 0.0000 | 0.0000 | 83.766 | 4.49177 | 0.00000 | 789605.1 | 375844.5 | 0.0 | U/P |
| 27.375 | 0.0000 | 0.0000 | 83.764 | 4.49102 | 0.00000 | 789605.1 | 375979.3 | 0.0 | U/P |
| 27.383 | 0.0000 | 0.0000 | 83.762 | 4.49027 | 0.00000 | 789605.1 | 376114.0 | 0.0 | U/P |
| 27.392 | 0.0000 | 0.0000 | 83.760 | 4.48952 | 0.00000 | 789605.1 | 376248.7 | 0.0 | U/P |
| 27.400 | 0.0000 | 0.0000 | 83.759 | 4.48878 | 0.00000 | 789605.1 | 376383.3 | 0.0 | U/P |
| 27.408 | 0.0000 | 0.0000 | 83.757 | 4.48803 | 0.00000 | 789605.1 | 376518.0 | 0.0 | U/P |
| 27.417 | 0.0000 | 0.0000 | 83.755 | 4.48728 | 0.00000 | 789605.1 | 376652.6 | 0.0 | U/P |
| 27.425 | 0.0000 | 0.0000 | 83.754 | 4.48653 | 0.00000 | 789605.1 | 376787.3 | 0.0 | U/P |
| 27.433 | 0.0000 | 0.0000 | 83.752 | 4.48578 | 0.00000 | 789605.1 | 376921.8 | 0.0 | U/P |
| 27.442 | 0.0000 | 0.0000 | 83.750 | 4.48503 | 0.00000 | 789605.1 | 377056.4 | 0.0 | U/P |
| 27.450 | 0.0000 | 0.0000 | 83.748 | 4.48429 | 0.00000 | 789605.1 | 377190.9 | 0.0 | U/P |
| 27.458 | 0.0000 | 0.0000 | 83.747 | 4.48354 | 0.00000 | 789605.1 | 377325.4 | 0.0 | U/P |
| 27.467 | 0.0000 | 0.0000 | 83.745 | 4.48279 | 0.00000 | 789605.1 | 377459.9 | 0.0 | U/P |
| 27.475 | 0.0000 | 0.0000 | 83.743 | 4.48204 | 0.00000 | 789605.1 | 377594.4 | 0.0 | U/P |
| 27.483 | 0.0000 | 0.0000 | 83.741 | 4.48129 | 0.00000 | 789605.1 | 377728.9 | 0.0 | U/P |
| 27.492 | 0.0000 | 0.0000 | 83.740 | 4.48055 | 0.00000 | 789605.1 | 377863.3 | 0.0 | U/P |
| 27.500 | 0.0000 | 0.0000 | 83.738 | 4.47980 | 0.00000 | 789605.1 | 377997.7 | 0.0 | U/P |
| 27.508 | 0.0000 | 0.0000 | 83.736 | 4.47905 | 0.00000 | 789605.1 | 378132.1 | 0.0 | U/P |
| 27.517 | 0.0000 | 0.0000 | 83.734 | 4.47830 | 0.00000 | 789605.1 | 378266.4 | 0.0 | U/P |
| 27.525 | 0.0000 | 0.0000 | 83.733 | 4.47755 | 0.00000 | 789605.1 | 378400.8 | 0.0 | U/P |
| 27.533 | 0.0000 | 0.0000 | 83.731 | 4.47681 | 0.00000 | 789605.1 | 378535.1 | 0.0 | U/P |
| 27.542 | 0.0000 | 0.0000 | 83.729 | 4.47606 | 0.00000 | 789605.1 | 378669.4 | 0.0 | U/P |
| 27.550 | 0.0000 | 0.0000 | 83.727 | 4.47531 | 0.00000 | 789605.1 | 378803.7 | 0.0 | U/P |
| 27.558 | 0.0000 | 0.0000 | 83.726 | 4.47456 | 0.00000 | 789605.1 | 378937.9 | 0.0 | U/P |
| 27.567 | 0.0000 | 0.0000 | 83.724 | 4.47381 | 0.00000 | 789605.1 | 379072.1 | 0.0 | U/P |
| 27.575 | 0.0000 | 0.0000 | 83.722 | 4.47306 | 0.00000 | 789605.1 | 379206.3 | 0.0 | U/P |
| 27.583 | 0.0000 | 0.0000 | 83.721 | 4.47232 | 0.00000 | 789605.1 | 379340.5 | 0.0 | U/P |
| 27.592 | 0.0000 | 0.0000 | 83.719 | 4.47157 | 0.00000 | 789605.1 | 379474.7 | 0.0 | U/P |
| 27.600 | 0.0000 | 0.0000 | 83.717 | 4.47082 | 0.00000 | 789605.1 | 379608.8 | 0.0 | U/P |
| 27.608 | 0.0000 | 0.0000 | 83.715 | 4.47007 | 0.00000 | 789605.1 | 379742.9 | 0.0 | U/P |
| 27.617 | 0.0000 | 0.0000 | 83.714 | 4.46932 | 0.00000 | 789605.1 | 379877.0 | 0.0 | U/P |
| 27.625 | 0.0000 | 0.0000 | 83.712 | 4.46858 | 0.00000 | 789605.1 | 380011.1 | 0.0 | U/P |
| 27.633 | 0.0000 | 0.0000 | 83.710 | 4.46783 | 0.00000 | 789605.1 | 380145.1 | 0.0 | U/P |
| 27.642 | 0.0000 | 0.0000 | 83.708 | 4.46708 | 0.00000 | 789605.1 | 380279.2 | 0.0 | U/P |
| 27.650 | 0.0000 | 0.0000 | 83.707 | 4.46633 | 0.00000 | 789605.1 | 380413.2 | 0.0 | U/P |
| 27.658 | 0.0000 | 0.0000 | 83.705 | 4.46558 | 0.00000 | 789605.1 | 380547.1 | 0.0 | U/P |
| 27.667 | 0.0000 | 0.0000 | 83.703 | 4.46483 | 0.00000 | 789605.1 | 380681.1 | 0.0 | U/P |
| 27.675 | 0.0000 | 0.0000 | 83.701 | 4.46409 | 0.00000 | 789605.1 | 380815.0 | 0.0 | U/P |
| 27.683 | 0.0000 | 0.0000 | 83.700 | 4.46334 | 0.00000 | 789605.1 | 380948.9 | 0.0 | U/P |
| 27.692 | 0.0000 | 0.0000 | 83.698 | 4.46259 | 0.00000 | 789605.1 | 381082.8 | 0.0 | U/P |
| 27.700 | 0.0000 | 0.0000 | 83.696 | 4.46184 | 0.00000 | 789605.1 | 381216.7 | 0.0 | U/P |
| 27.708 | 0.0000 | 0.0000 | 83.695 | 4.46109 | 0.00000 | 789605.1 | 381350.5 | 0.0 | U/P |
| 27.717 | 0.0000 | 0.0000 | 83.693 | 4.46035 | 0.00000 | 789605.1 | 381484.3 | 0.0 | U/P |
| 27.725 | 0.0000 | 0.0000 | 83.691 | 4.45960 | 0.00000 | 789605.1 | 381618.2 | 0.0 | U/P |
| 27.733 | 0.0000 | 0.0000 | 83.689 | 4.45885 | 0.00000 | 789605.1 | 381751.9 | 0.0 | U/P |
| 27.742 | 0.0000 | 0.0000 | 83.688 | 4.45810 | 0.00000 | 789605.1 | 381885.7 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario $1::$ Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Infiow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{13 / \mathrm{s} \text { ) }) ~}$ | Overflow Discharge ( $\mathrm{H}^{3 / 5}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative <br> Discharge <br> Volume ( $\mathrm{fl}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 27.750 | 0.0000 | 0.0000 | 83.686 | 4.45735 | 0.00000 | 789605.1 | 382019.4 | 0.0 | U/P |
| 27.758 | 0.0000 | 0.0000 | 83.684 | 4.45660 | 0.00000 | 789605.1 | 382153.1 | 0.0 | U/P |
| 27.767 | 0.0000 | 0.0000 | 83.682 | 4.45586 | 0.00000 | 789605.1 | 382286.8 | 0.0 | U/P |
| 27.775 | 0.0000 | 0.0000 | 83.681 | 4.45511 | 0.00000 | 789605.1 | 382420.5 | 0.0 | U/P |
| 27.783 | 0.0000 | 0.0000 | 83.679 | 4.45436 | 0.00000 | 789605.1 | 382554.1 | 0.0 | U/P |
| 27.792 | 0.0000 | 0.0000 | 83.677 | 4.45361 | 0.00000 | 789605.1 | 382687.8 | 0.0 | U/P |
| 27.800 | 0.0000 | 0.0000 | 83.675 | 4.45286 | 0.00000 | 789605.1 | 382821.3 | 0.0 | U/P |
| 27.808 | 0.0000 | 0.0000 | 83.674 | 4.45212 | 0.00000 | 789605.1 | 382954.9 | 0.0 | U/P |
| 27.817 | 0.0000 | 0.0000 | 83.672 | 4.45137 | 0.00000 | 789605.1 | 383088.5 | 0.0 | U/P |
| 27.825 | 0.0000 | 0.0000 | 83.670 | 4.45062 | 0.00000 | 789605.1 | 383222.0 | 0.0 | U/P |
| 27.833 | 0.0000 | 0.0000 | 83.668 | 4.44987 | 0.00000 | 789605.1 | 383355.5 | 0.0 | U/P |
| 27.842 | 0.0000 | 0.0000 | 83.667 | 4.44912 | 0.00000 | 789605.1 | 383489.0 | 0.0 | U/P |
| 27.850 | 0.0000 | 0.0000 | 83.665 | 4.44838 | 0.00000 | 789605.1 | 383622.4 | 0.0 | U/P |
| 27.858 | 0.0000 | 0.0000 | 83.663 | 4.44763 | 0.00000 | 789605.1 | 383755.9 | 0.0 | U/P |
| 27.867 | 0.0000 | 0.0000 | 83.662 | 4.44688 | 0.00000 | 789605.1 | 383889.3 | 0.0 | U/P |
| 27.875 | 0.0000 | 0.0000 | 83.660 | 4.44613 | 0.00000 | 789605.1 | 384022.7 | 0.0 | U/P |
| 27.883 | 0.0000 | 0.0000 | 83.658 | 4.44538 | 0.00000 | 789605.1 | 384156.1 | 0.0 | U/P |
| 27.892 | 0.0000 | 0.0000 | 83.656 | 4.44463 | 0.00000 | 789605.1 | 384289.4 | 0.0 | U/P |
| 27.900 | 0.0000 | 0.0000 | 83.655 | 4.44389 | 0.00000 | 789605.1 | 384422.8 | 0.0 | U/P |
| 27.908 | 0.0000 | 0.0000 | 83.653 | 4.44314 | 0.00000 | 789605.1 | 384556.1 | 0.0 | U/P |
| 27.917 | 0.0000 | 0.0000 | 83.651 | 4.44239 | 0.00000 | 789605.1 | 384689.3 | 0.0 | U/P |
| 27.925 | 0.0000 | 0.0000 | 83.649 | 4.44164 | 0.00000 | 789605.1 | 384822.6 | 0.0 | U/P |
| 27.933 | 0.0000 | 0.0000 | 83.648 | 4.44089 | 0.00000 | 789605.1 | 384955.8 | 0.0 | U/P |
| 27.942 | 0.0000 | 0.0000 | 83.646 | 4.44015 | 0.00000 | 789605.1 | 385089.1 | 0.0 | U/P |
| 27.950 | 0.0000 | 0.0000 | 83.644 | 4.43940 | 0.00000 | 789605.1 | 385222.3 | 0.0 | U/P |
| 27.958 | 0.0000 | 0.0000 | 83.642 | 4.43865 | 0.00000 | 789605.1 | 385355.4 | 0.0 | U/P |
| 27.967 | 0.0000 | 0.0000 | 83.641 | 4.43790 | 0.00000 | 789605.1 | 385488.6 | 0.0 | U/P |
| 27.975 | 0.0000 | 0.0000 | 83.639 | 4.43715 | 0.00000 | 789605.1 | 385621.7 | 0.0 | U/P |
| 27.983 | 0.0000 | 0.0000 | 83.637 | 4.43640 | 0.00000 | 789605.1 | 385754.8 | 0.0 | U/P |
| 27.992 | 0.0000 | 0.0000 | 83.635 | 4.43566 | 0.00000 | 789605.1 | 385887.9 | 0.0 | U/P |
| 28.000 | 0.0000 | 0.0000 | 83.634 | 4.43491 | 0.00000 | 789605.1 | 386020.9 | 0.0 | U/P |
| 28.008 | 0.0000 | 0.0000 | 83.632 | 4.43416 | 0.00000 | 789605.1 | 386154.0 | 0.0 | U/P |
| 28.017 | 0.0000 | 0.0000 | 83.630 | 4.43341 | 0.00000 | 789605.1 | 386287.0 | 0.0 | U/P |
| 28.025 | 0.0000 | 0.0000 | 83.629 | 4.43266 | 0.00000 | 789605.1 | 386420.0 | 0.0 | U/P |
| 28.033 | 0.0000 | 0.0000 | 83.627 | 4.43192 | 0.00000 | 789605.1 | 386552.9 | 0.0 | U/P |
| 28.042 | 0.0000 | 0.0000 | 83.625 | 4.43117 | 0.00000 | 789605.1 | 386685.9 | 0.0 | U/P |
| 28.050 | 0.0000 | 0.0000 | 83.623 | 4.43042 | 0.00000 | 789605.1 | 386818.8 | 0.0 | U/P |
| 28.058 | 0.0000 | 0.0000 | 83.622 | 4.42967 | 0.00000 | 789605.1 | 386951.7 | 0.0 | U/P |
| 28.067 | 0.0000 | 0.0000 | 83.620 | 4.42892 | 0.00000 | 789605.1 | 387084.6 | 0.0 | U/P |
| 28.075 | 0.0000 | 0.0000 | 83.618 | 4.42817 | 0.00000 | 789605.1 | 387217.4 | 0.0 | U/P |
| 28.083 | 0.0000 | 0.0000 | 83.616 | 4.42743 | 0.00000 | 789605.1 | 387350.3 | 0.0 | U/P |
| 28.092 | 0.0000 | 0.0000 | 83.615 | 4.42668 | 0.00000 | 789605.1 | 387483.1 | 0.0 | U/P |
| 28.100 | 0.0000 | 0.0000 | 83.613 | 4.42593 | 0.00000 | 789605.1 | 387615.9 | 0.0 | U/P |
| 28.108 | 0.0000 | 0.0000 | 83.611 | 4.42518 | 0.00000 | 789605.1 | 387748.7 | 0.0 | U/P |
| 28.117 | 0.0000 | 0.0000 | 83.609 | 4.42443 | 0.00000 | 789605.1 | 387881.4 | 0.0 | U/P |
| 28.125 | 0.0000 | 0.0000 | 83.608 | 4.42369 | 0.00000 | 789605.1 | 388014.1 | 0.0 | U/P |
| 28.133 | 0.0000 | 0.0000 | 83.606 | 4.42294 | 0.00000 | 789605.1 | 388146.8 | 0.0 | U/P |
| 28.142 | 0.0000 | 0.0000 | 83.604 | 4.42219 | 0.00000 | 789605.1 | 388279.5 | 0.0 | U/P |
| 28.150 | 0.0000 | 0.0000 | 83.602 | 4.42144 | 0.00000 | 789605.1 | 388412.2 | 0.0 | U/P |
| 28.158 | 0.0000 | 0.0000 | 83.601 | 4.42069 | 0.00000 | 789605.1 | 388544.8 | 0.0 | U/P |
| 28.167 | 0.0000 | 0.0000 | 83.599 | 4.41995 | 0.00000 | 789605.1 | 388677.4 | 0.0 | U/P |
| 28.175 | 0.0000 | 0.0000 | 83.597 | 4.41920 | 0.00000 | 789605.1 | 388810.0 | 0.0 | U/P |
| 28.183 | 0.0000 | 0.0000 | 83.596 | 4.41845 | 0.00000 | 789605.1 | 388942.5 | 0.0 | U/P |
| 28.192 | 0.0000 | 0.0000 | 83.594 | 4.41770 | 0.00000 | 789605.1 | 389075.1 | 0.0 | U/P |
| 28.200 | 0.0000 | 0.0000 | 83.592 | 4.41695 | 0.00000 | 789605.1 | 389207.6 | 0.0 | U/P |
| 28.208 | 0.0000 | 0.0000 | 83.590 | 4.41620 | 0.00000 | 789605.1 | 389340.1 | 0.0 | U/P |
| 28.217 | 0.0000 | 0.0000 | 83.589 | 4.41546 | 0.00000 | 789605.1 | 389472.6 | 0.0 | U/P |
| 28.225 | 0.0000 | 0.0000 | 83.587 | 4.41471 | 0.00000 | 789605.1 | 389605.0 | 0.0 | U/P |
| 28.233 | 0.0000 | 0.0000 | 83.585 | 4.41396 | 0.00000 | 789605.1 | 389737.5 | 0.0 | U/P |
| 28.242 | 0.0000 | 0.0000 | 83.583 | 4.41321 | 0.00000 | 789605.1 | 389869.9 | 0.0 | U/P |
| 28.250 | 0.0000 | 0.0000 | 83.582 | 4.41246 | 0.00000 | 789605.1 | 390002.3 | 0.0 | U/P |
| 28.258 | 0.0000 | 0.0000 | 83.580 | 4.41172 | 0.00000 | 789605.1 | 390134.6 | 0.0 | U/P |
| 28.267 | 0.0000 | 0.0000 | 83.578 | 4.41097 | 0.00000 | 789605.1 | 390266.9 | 0.0 | U/P |
| 28.275 | 0.0000 | 0.0000 | 83.576 | 4.41022 | 0.00000 | 789605.1 | 390399.3 | 0.0 | U/P |
| 28.283 | 0.0000 | 0.0000 | 83.575 | 4.40947 | 0.00000 | 789605.1 | 390531.6 | 0.0 | U/P |
| 28.292 | 0.0000 | 0.0000 | 83.573 | 4.40872 | 0.00000 | 789605.1 | 390663.8 | 0.0 | U/P |
| 28.300 | 0.0000 | 0.0000 | 83.571 | 4.40797 | 0.00000 | 789605.1 | 390796.1 | 0.0 | U/P |
| 28.308 | 0.0000 | 0.0000 | 83.569 | 4.40723 | 0.00000 | 789605.1 | 390928.3 | 0.0 | U/P |
| 28.317 | 0.0000 | 0.0000 | 83.568 | 4.40648 | 0.00000 | 789605.1 | 391060.5 | 0.0 | U/P |
| 28.325 | 0.0000 | 0.0000 | 83.566 | 4.40573 | 0.00000 | 789605.1 | 391192.7 | 0.0 | U/P |
| 28.333 | 0.0000 | 0.0000 | 83.564 | 4.40498 | 0.00000 | 789605.1 | 391324.9 | 0.0 | U/P |
| 28.342 | 0.0000 | 0.0000 | 83.563 | 4.40423 | 0.00000 | 789605.1 | 391457.0 | 0.0 | U/P |
| 28.350 | 0.0000 | 0.0000 | 83.561 | 4.40349 | 0.00000 | 789605.1 | 391589.1 | 0.0 | U/P |
| 28.358 | 0.0000 | 0.0000 | 83.559 | 4.40274 | 0.00000 | 789605.1 | 391721.2 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infitration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 28.367 | 0.0000 | 0.0000 | 83.557 | 4.40199 | 0.00000 | 789605.1 | 391853.3 | 0.0 | U/P |
| 28.375 | 0.0000 | 0.0000 | 83.556 | 4.40124 | 0.00000 | 789605.1 | 391985.3 | 0.0 | U/P |
| 28.383 | 0.0000 | 0.0000 | 83.554 | 4.40049 | 0.00000 | 789605.1 | 392117.3 | 0.0 | U/P |
| 28.392 | 0.0000 | 0.0000 | 83.552 | 4.39975 | 0.00000 | 789605.1 | 392249.4 | 0.0 | U/P |
| 28.400 | 0.0000 | 0.0000 | 83.550 | 4.39900 | 0.00000 | 789605.1 | 392381.3 | 0.0 | U/P |
| 28.408 | 0.0000 | 0.0000 | 83.549 | 4.39825 | 0.00000 | 789605.1 | 392513.3 | 0.0 | U/P |
| 28.417 | 0.0000 | 0.0000 | 83.547 | 4.39750 | 0.00000 | 789605.1 | 392645.3 | 0.0 | U/P |
| 28.425 | 0.0000 | 0.0000 | 83.545 | 4.39675 | 0.00000 | 789605.1 | 392777.2 | 0.0 | U/P |
| 28.433 | 0.0000 | 0.0000 | 83.543 | 4.39600 | 0.00000 | 789605.1 | 392909.0 | 0.0 | U/P |
| 28.442 | 0.0000 | 0.0000 | 83.542 | 4.39526 | 0.00000 | 789605.1 | 393040.9 | 0.0 | U/P |
| 28.450 | 0.0000 | 0.0000 | 83.540 | 4.39451 | 0.00000 | 789605.1 | 393172.8 | 0.0 | U/P |
| 28.458 | 0.0000 | 0.0000 | 83.538 | 4.39376 | 0.00000 | 789605.1 | 393304.6 | 0.0 | U/P |
| 28.467 | 0.0000 | 0.0000 | 83.537 | 4.39301 | 0.00000 | 789605.1 | 393436.4 | 0.0 | U/P |
| 28.475 | 0.0000 | 0.0000 | 83.535 | 4.39226 | 0.00000 | 789605. | 393568.2 | 0.0 | U/P |
| 28.483 | 0.0000 | 0.0000 | 83.533 | 4.39152 | 0.00000 | 789605.1 | 393699.9 | 0.0 | U/P |
| 28.492 | 0,0000 | 0.0000 | 83.531 | 4.39077 | 0.00000 | 789605.1 | 393831.7 | 0.0 | U/P |
| 28.500 | 0.0000 | 0.0000 | 83.530 | 4.39002 | 0.00000 | 789605.1 | 393963.4 | 0.0 | U/P |
| 28.508 | 0.0000 | 0.0000 | 83.528 | 4.38927 | 0.00000 | 789605.1 | 394095.1 | 0.0 | U/P |
| 28.517 | 0.0000 | 0.0000 | 83.526 | 4.38852 | 0.00000 | 789605.1 | 394226.7 | 0.0 | U/P |
| 28.525 | 0.0000 | 0.0000 | 83.524 | 4.38777 | 0.00000 | 789605.1 | 394358.4 | 0.0 | U/P |
| 28.533 | 0.0000 | 0.0000 | 83.523 | 4.38703 | 0.00000 | 789605. 1 | 394490.0 | 0.0 | U/P |
| 28.542 | 0.0000 | 0.0000 | 83.521 | 4.38628 | 0.00000 | 789605.1 | 394621.6 | 0.0 | U/P |
| 28.550 | 0.0000 | 0.0000 | 83.519 | 4.38553 | 0.00000 | 789605.1 | 394753.2 | 0.0 | U/P |
| 28.558 | 0.0000 | 0.0000 | 83.517 | 4.38478 | 0.00000 | 789605.1 | 394884.7 | 0.0 | U/P |
| 28.567 | 0.0000 | 0.0000 | 83.516 | 4.38403 | 0.00000 | 789605.1 | 395016.3 | 0.0 | U/P |
| 28.575 | 0.0000 | 0.0000 | 83.514 | 4.38329 | 0.00000 | 789605.1 | 395147.8 | 0.0 | U/P |
| 28.583 | 0.0000 | 0.0000 | 83.512 | 4.38254 | 0.00000 | 789605.1 | 395279.3 | 0.0 | U/P |
| 28.592 | 0.0000 | 0.0000 | 83.510 | 4.38179 | 0.00000 | 789605.1 | 395410.7 | 0.0 | U/P |
| 28.600 | 0.0000 | 0.0000 | 83.509 | 4.38104 | 0.00000 | 789605.1 | 395542.2 | 0.0 | U/P |
| 28.608 | 0.0000 | 0.0000 | 83.507 | 4.38029 | 0.00000 | 789605.1 | 395673.6 | 0.0 | U/P |
| 28.617 | 0.0000 | 0.0000 | 83.505 | 4.37954 | 0.00000 | 789605.1 | 395805.0 | 0.0 | U/P |
| 28.625 | 0.0000 | 0.0000 | 83.504 | 4.37880 | 0.00000 | 789605.1 | 395936.3 | 0.0 | U/P |
| 28.633 | 0.0000 | 0.0000 | 83.502 | 4.37805 | 0.00000 | 789605.1 | 396067.7 | 0.0 | U/P |
| 28.642 | 0.0000 | 0.0000 | 83.500 | 4.37730 | 0.00000 | 789605.1 | 396199.0 | 0.0 | U/P |
| 28.650 | 0.0000 | 0.0000 | 83.498 | 4.37655 | 0.00000 | 789605.1 | 396330.3 | 0.0 | U/P |
| 28.658 | 0.0000 | 0.0000 | 83.497 | 4.37580 | 0.00000 | 789605.1 | 396461.6 | 0.0 | U/P |
| 28.667 | 0.0000 | 0.0000 | 83.495 | 4.37506 | 0.00000 | 789605.1 | 396592.9 | 0.0 | U/P |
| 28.675 | 0.0000 | 0.0000 | 83.493 | 4.37431 | 0.00000 | 789605.1 | 396724.1 | 0.0 | U/P |
| 28.683 | 0.0000 | 0.0000 | 83.491 | 4.37356 | 0.00000 | 789605.1 | 396855.3 | 0.0 | U/P |
| 28.692 | 0.0000 | 0.0000 | 83.490 | 4.37281 | 0.00000 | 789605.1 | 396986.5 | 0.0 | U/P |
| 28.700 | 0.0000 | 0.0000 | 83.488 | 4.37206 | 0.00000 | 789605.1 | 397117.7 | 0.0 | U/P |
| 28.708 | 0.0000 | 0.0000 | 83.486 | 4.37132 | 0.00000 | 789605.1 | 397248.9 | 0.0 | U/P |
| 28.717 | 0.0000 | 0.0000 | 83.484 | 4.37057 | 0.00000 | 789605.1 | 397380.0 | 0.0 | U/P |
| 28.725 | 0.0000 | 0.0000 | 83.483 | 4.36982 | 0.00000 | 789605.1 | 397511.1 | 0.0 | U/P |
| 28.733 | 0.0000 | 0.0000 | 83.481 | 4.36907 | 0.00000 | 789605.1 | 397642.2 | 0.0 | U/P |
| 28.742 | 0.0000 | 0.0000 | 83.479 | 4.36832 | 0.00000 | 789605.1 | 397773.3 | 0.0 | U/P |
| 28.750 | 0.0000 | 0.0000 | 83.477 | 4.36757 | 0.00000 | 789605.1 | 397904.3 | 0.0 | U/P |
| 28.758 | 0.0000 | 0.0000 | 83.476 | 4.36683 | 0.00000 | 789605.1 | 398035.3 | 0.0 | U/P |
| 28.767 | 0.0000 | 0.0000 | 83.474 | 4.36608 | 0.00000 | 789605.1 | 398166.3 | 0.0 | U/P |
| 28.775 | 0.0000 | 0.0000 | 83.472 | 4.36533 | 0.00000 | 789605.1 | 398297.3 | 0.0 | U/P |
| 28.783 | 0.0000 | 0.0000 | 83.471 | 4.36458 | 0.00000 | 789605.1 | 398428.2 | 0.0 | U/P |
| 28.792 | 0.0000 | 0.0000 | 83.469 | 4.36383 | 0.00000 | 789605.1 | 398559.1 | 0.0 | U/P |
| 28.800 | 0.0000 | 0.0000 | 83.467 | 4.36308 | 0.00000 | 789605.1 | 398690.0 | 0.0 | U/P |
| 28.808 | 0.0000 | 0.0000 | 83.465 | 4.36234 | 0.00000 | 789605.1 | 398820.9 | 0.0 | U/P |
| 28.817 | 0.0000 | 0.0000 | 83.464 | 4.36159 | 0.00000 | 789605.1 | 398951.8 | 0.0 | U/P |
| 28.825 | 0.0000 | 0.0000 | 83.462 | 4.36084 | 0.00000 | 789605.1 | 399082.6 | 0.0 | U/P |
| 28.833 | 0.0000 | 0.0000 | 83.460 | 4.36009 | 0.00000 | 789605.1 | 399213.4 | 0.0 | U/P |
| 28.842 | 0.0000 | 0.0000 | 83.458 | 4.35934 | 0.00000 | 789605.1 | 399344.2 | 0.0 | U/P |
| 28.850 | 0.0000 | 0.0000 | 83.457 | 4.35860 | 0.00000 | 789605.1 | 399475.0 | 0.0 | U/P |
| 28.858 | 0.0000 | 0.0000 | 83.455 | 4.35785 | 0.00000 | 789605.1 | 399605.8 | 0.0 | U/P |
| 28.867 | 0.0000 | 0.0000 | 83.453 | 4.35710 | 0.00000 | 789605.1 | 399736.5 | 0.0 | U/P |
| 28.875 | 0.0000 | 0.0000 | 83.451 | 4.35635 | 0.00000 | 789605.1 | 399867.2 | 0.0 | U/P |
| 28.883 | 0.0000 | 0.0000 | 83.450 | 4.35560 | 0.00000 | 789605.1 | 399997.8 | 0.0 | U/P |
| 28.892 | 0.0000 | 0.0000 | 83.448 | 4.35486 | 0.00000 | 789605.1 | 400128.5 | 0.0 | U/P |
| 28.900 | 0.0000 | 0.0000 | 83.446 | 4.35411 | 0.00000 | 789605.1 | 400259.1 | 0.0 | U/P |
| 28.908 | 0.0000 | 0.0000 | 83.444 | 4.35336 | 0.00000 | 789605.1 | 400389.8 | 0.0 | U/P |
| 28.917 | 0.0000 | 0.0000 | 83.443 | 4.35261 | 0.00000 | 789605.1 | 400520.3 | 0.0 | U/P |
| 28.925 | 0.0000 | 0.0000 | 83.441 | 4.35186 | 0.00000 | 789605.1 | 400650.9 | 0.0 | U/P |
| 28.933 | 0.0000 | 0.0000 | 83.439 | 4.35111 | 0.00000 | 789605.1 | 400781.4 | 0.0 | U/P |
| 28.942 | 0.0000 | 0.0000 | 83.438 | 4.35037 | 0.00000 | 789605.1 | 400912.0 | 0.0 | U/P |
| 28.950 | 0.0000 | 0.0000 | 83.436 | 4.34962 | 0.00000 | 789605.1 | 401042.5 | 0.0 | U/P |
| 28.958 | 0.0000 | 0.0000 | 83.434 | 4.34887 | 0.00000 | 789605.1 | 401172.9 | 0.0 | U/P |
| 28.967 | 0.0000 | 0.0000 | 83.432 | 4.34812 | 0.00000 | 789605.1 | 401303.4 | 0.0 | U/P |
| 28.975 | 0.0000 | 0.0000 | 83.431 | 4.34737 | 0.00000 | 789605.1 | 401433.8 | 0.0 | U/P |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / 3}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 28.983 | 0.0000 | 0.0000 | 83.429 | 4.34663 | 0.00000 | 789605.1 | 401564.3 | 0.0 | U/P |
| 28.992 | 0.0000 | 0.0000 | 83.427 | 4.34588 | 0.00000 | 789605.1 | 401694.6 | 0.0 | U/P |
| 29.000 | 0.0000 | 0.0000 | 83.425 | 4.34513 | 0.00000 | 789605.1 | 401825.0 | 0.0 | U/P |
| 29.008 | 0.0000 | 0.0000 | 83.424 | 4.34438 | 0.00000 | 789605.1 | 401955.3 | 0.0 | U/P |
| 29.017 | 0.0000 | 0.0000 | 83.422 | 4.34363 | 0.00000 | 789605.1 | 402085.7 | 0.0 | U/P |
| 29.025 | 0.0000 | 0.0000 | 83.420 | 4.34288 | 0.00000 | 789605.1 | 402216.0 | 0.0 | U/P |
| 29.033 | 0.0000 | 0.0000 | 83.418 | 4.34214 | 0.00000 | 789605.1 | 402346.2 | 0.0 | U/P |
| 29.042 | 0.0000 | 0.0000 | 83.417 | 4.34139 | 0.00000 | 789605.1 | 402476.5 | 0.0 | U/P |
| 29.050 | 0.0000 | 0.0000 | 83.415 | 4.34064 | 0.00000 | 789605.1 | 402606.7 | 0.0 | U/P |
| 29.058 | 0.0000 | 0.0000 | 83.413 | 4.33989 | 0.00000 | 789605.1 | 402736.9 | 0.0 | U/P |
| 29.067 | 0.0000 | 0.0000 | 83.411 | 4.33914 | 0.00000 | 789605.1 | 402867.1 | 0.0 | U/P |
| 29.075 | 0.0000 | 0.0000 | 83.410 | 4.33840 | 0.00000 | 789605.1 | 402997.3 | 0.0 | U/P |
| 29.083 | 0.0000 | 0.0000 | 83.408 | 4.33765 | 0.00000 | 789605.1 | 403127.4 | 0.0 | U/P |
| 29.092 | 0.0000 | 0.0000 | 83.406 | 4.33690 | 0.00000 | 789605.1 | 403257.5 | 0.0 | U/P |
| 29.100 | 0.0000 | 0.0000 | 83.405 | 4.33615 | 0.00000 | 789605.1 | 403387.6 | 0.0 | U/P |
| 29.108 | 0.0000 | 0.0000 | 83.403 | 4.33540 | 0.00000 | 789605.1 | 403517.7 | 0.0 | U/P |
| 29.117 | 0.0000 | 0.0000 | 83.401 | 4.33465 | 0.00000 | 789605.1 | 403647.8 | 0.0 | U/P |
| 29.125 | 0.0000 | 0.0000 | 83.399 | 4.33391 | 0.00000 | 789605.1 | 403777.8 | 0.0 | U/P |
| 29.133 | 0.0000 | 0.0000 | 83.398 | 4.33316 | 0.00000 | 789605.1 | 403907.8 | 0.0 | U/P |
| 29.142 | 0.0000 | 0.0000 | 83.396 | 4.33241 | 0.00000 | 789605.1 | 404037.8 | 0.0 | U/P |
| 29.150 | 0.0000 | 0.0000 | 83.394 | 4.33166 | 0.00000 | 789605.1 | 404167.7 | 0.0 | U/P |
| 29.158 | 0.0000 | 0.0000 | 83.392 | 4.33091 | 0.00000 | 789605.1 | 404297.7 | 0.0 | U/P |
| 29.167 | 0.0000 | 0.0000 | 83.391 | 4.33017 | 0.00000 | 789605.1 | 404427.6 | 0.0 | U/P |
| 29.175 | 0.0000 | 0.0000 | 83.389 | 4.32942 | 0.00000 | 789605.1 | 404557.5 | 0.0 | U/P |
| 29.183 | 0.0000 | 0.0000 | 83.387 | 4.32867 | 0.00000 | 789605.1 | 404687.3 | 0.0 | U/P |
| 29.192 | 0.0000 | 0.0000 | 83.385 | 4.32792 | 0.00000 | 789605.1 | 404817.2 | 0.0 | U/P |
| 29.200 | 0.0000 | 0.0000 | 83.384 | 4.32717 | 0.00000 | 789605.1 | 404947.0 | 0.0 | U/P |
| 29.208 | 0.0000 | 0.0000 | 83.382 | 4.32643 | 0.00000 | 789605.1 | 405076.8 | 0.0 | U/P |
| 29.217 | 0.0000 | 0.0000 | 83.380 | 4.32568 | 0.00000 | 789605.1 | 405206.6 | 0.0 | U/P |
| 29.225 | 0.0000 | 0.0000 | 83.379 | 4.32493 | 0.00000 | 789605.1 | 405336.4 | 0.0 | U/P |
| 29.233 | 0.0000 | 0.0000 | 83.377 | 4.32418 | 0.00000 | 789605.1 | 405466.1 | 0.0 | U/P |
| 29.242 | 0.0000 | 0.0000 | 83.375 | 4.32343 | 0.00000 | 789605.1 | 405595.8 | 0.0 | U/P |
| 29.250 | 0.0000 | 0.0000 | 83.373 | 4.32268 | 0.00000 | 789605.1 | 405725.5 | 0.0 | U/P |
| 29.258 | 0.0000 | 0.0000 | 83.372 | 4.32194 | 0.00000 | 789605.1 | 405855.2 | 0.0 | U/P |
| 29.267 | 0.0000 | 0.0000 | 83.370 | 4.32119 | 0.00000 | 789605.1 | 405984.8 | 0.0 | U/P |
| 29.275 | 0.0000 | 0.0000 | 83.368 | 4.32044 | 0.00000 | 789605.1 | 406114.4 | 0.0 | U/P |
| 29.283 | 0.0000 | 0.0000 | 83.366 | 4.31969 | 0.00000 | 789605.1 | 406244.1 | 0.0 | U/P |
| 29.292 | 0.0000 | 0.0000 | 83.365 | 4.31894 | 0.00000 | 789605.1 | 406373.6 | 0.0 | U/P |
| 29.300 | 0.0000 | 0.0000 | 83.363 | 4.31820 | 0.00000 | 789605.1 | 406503.2 | 0.0 | U/P |
| 29.308 | 0.0000 | 0.0000 | 83.361 | 4.31745 | 0.00000 | 789605.1 | 406632.7 | 0.0 | U/P |
| 29.317 | 0.0000 | 0.0000 | 83.359 | 4.31670 | 0.00000 | 789605.1 | 406762.3 | 0.0 | U/P |
| 29.325 | 0.0000 | 0.0000 | 83.358 | 4.31595 | 0.00000 | 789605.1 | 406891.7 | 0.0 | U/P |
| 29.333 | 0.0000 | 0.0000 | 83.356 | 4.31520 | 0.00000 | 789605.1 | 407021.2 | 0.0 | U/P |
| 29.342 | 0.0000 | 0.0000 | 83.354 | 4.31445 | 0.00000 | 789605.1 | 407150.6 | 0.0 | U/P |
| 29,350 | 0.0000 | 0.0000 | 83.352 | 4.31371 | 0.00000 | 789605.1 | 407280.1 | 0.0 | U/P |
| 29.358 | 0.0000 | 0.0000 | 83.351 | 4.31296 | 0.00000 | 789605.1 | 407409.5 | 0.0 | U/P |
| 29,367 | 0.0000 | 0.0000 | 83.349 | 4.31221 | 0.00000 | 789605.1 | 407538.8 | 0.0 | U/P |
| 29.375 | 0.0000 | 0.0000 | 83.347 | 4.31146 | 0.00000 | 789605.1 | 407668.2 | 0.0 | U/P |
| 29.383 | 0.0000 | 0.0000 | 83.346 | 4.31071 | 0.00000 | 789605.1 | 407797.5 | 0.0 | U/P |
| 29.392 | 0.0000 | 0.0000 | 83.344 | 4.30997 | 0.00000 | 789605.1 | 407926.8 | 0.0 | U/P |
| 29.400 | 0.0000 | 0.0000 | 83.342 | 4.30922 | 0.00000 | 789605.1 | 408056.1 | 0.0 | U/P |
| 29.408 | 0.0000 | 0.0000 | 83.340 | 4.30847 | 0.00000 | 789605.1 | 408185.4 | 0.0 | U/P |
| 29.417 | 0.0000 | 0.0000 | 83.339 | 4.30772 | 0.00000 | 789605.1 | 408314.6 | 0.0 | U/P |
| 29.425 | 0.0000 | 0.0000 | 83.337 | 4.30697 | 0.00000 | 789605.1 | 408443.8 | 0.0 | U/P |
| 29.433 | 0.0000 | 0.0000 | 83.335 | 4.30622 | 0.00000 | 789605.1 | 408573.1 | 0.0 | U/P |
| 29.442 | 0.0000 | 0.0000 | 83.333 | 4.30548 | 0.00000 | 789605.1 | 408702.2 | 0.0 | U/P |
| 29.450 | 0.0000 | 0.0000 | 83.332 | 4.30473 | 0.00000 | 789605.1 | 408831.4 | 0.0 | U/P |
| 29.458 | 0.0000 | 0.0000 | 83.330 | 4.30398 | 0.00000 | 789605.1 | 408960.5 | 0.0 | U/P |
| 29.467 | 0.0000 | 0.0000 | 83.328 | 4.30323 | 0.00000 | 789605.1 | 409089.6 | 0.0 | U/P |
| 29.475 | 0.0000 | 0.0000 | 83.326 | 4.30248 | 0.00000 | 789605.1 | 409218.7 | 0.0 | U/P |
| 29.483 | 0.0000 | 0.0000 | 83.325 | 4.30174 | 0.00000 | 789605.1 | 409347.8 | 0.0 | U/P |
| 29.492 | 0.0000 | 0.0000 | 83.323 | 4.30099 | 0.00000 | 789605.1 | 409476.8 | 0.0 | U/P |
| 29.500 | 0.0000 | 0.0000 | 83.321 | 4.30024 | 0.00000 | 789605.1 | 409605.8 | 0.0 | U/P |
| 29.508 | 0.0000 | 0.0000 | 83.319 | 4.29949 | 0.00000 | 789605.1 | 409734.8 | 0.0 | U/P |
| 29.517 | 0.0000 | 0.0000 | 83.318 | 4.29874 | 0.00000 | 789605.1 | 409863.8 | 0.0 | U/P |
| 29.525 | 0.0000 | 0.0000 | 83.316 | 9.55862 | 0.00000 | 789605.1 | 409992.8 | 0.0 | U/P |
| 29.533 | 0.0000 | 0.0000 | 83.310 | 15.50178 | 0.00000 | 789605.1 | 410437.3 | 0.0 | U/S |
| 29.542 | 0.0000 | 0.0000 | 83.303 | 18.86586 | 0.00000 | 789605.1 | 410922.8 | 0.0 | S |
| 29.550 | 0.0000 | 0.0000 | 83.295 | 24.67722 | 0.00000 | 789605.1 | 411568.3 | 0.0 | S |
| 29.558 | 0.0000 | 0.0000 | 83.283 | 31.19765 | 0.00000 | 789605.1 | 412403.5 | 0.0 | S |
| 29.567 | 0.0000 | 0.0000 | 83.269 | 37.92034 | 0.00000 | 789605.1 | 413441.1 | 0.0 | S |
| 29.575 | 0.0000 | 0.0000 | 83.253 | 44.13080 | 0.00000 | 789605.1 | 414678.7 | 0.0 | S |
| 29.583 | 0.0000 | 0.0000 | 83.234 | 49.06157 | 0.00000 | 789605.1 | 416089.0 | 0.0 | S |
| 29.592 | 0.0000 | 0.0000 | 83.213 | 52.11206 | 0.00000 | 789605.1 | 417622.4 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 5100 yr $/ 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate (fis/s) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 /} \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{H}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 29.600 | 0.0000 | 0.0000 | 83.191 | 53.03278 | 0.00000 | 789605.1 | 419215.7 | 0.0 | S |
| 29.608 | 0.0000 | 0.0000 | 83.169 | 51.98231 | 0.00000 | 789605.1 | 420804.4 | 0.0 | S |
| 29.617 | 0.0000 | 0.0000 | 83.148 | 49.43958 | 0.00000 | 789605.1 | 422334.6 | 0.0 | S |
| 29.625 | 0.0000 | 0.0000 | 83.129 | 46.03090 | 0.00000 | 789605.1 | 423770.8 | 0.0 | S |
| 29.633 | 0.0000 | 0.0000 | 83.111 | 42.35712 | 0.00000 | 789605.1 | 425096.5 | 0.0 | S |
| 29.642 | 0.0000 | 0.0000 | 83.094 | 38.87892 | 0.00000 | 789605.1 | 426312.2 | 0.0 | S |
| 29.650 | 0.0000 | 0.0000 | 83.078 | 35.87477 | 0.00000 | 789605.1 | 427429.2 | 0.0 | S |
| 29.658 | 0.0000 | 0.0000 | 83.064 | 33.45523 | 0.00000 | 789605.1 | 428464.7 | 0.0 | S |
| 29.667 | 0.0000 | 0.0000 | 83.051 | 31.60701 | 0.00000 | 789605.1 | 429436.5 | 0.0 | S |
| 29.675 | 0.0000 | 0.0000 | 83.038 | 30.24380 | 0.00000 | 789605.1 | 430361.1 | 0.0 | S |
| 29.683 | 0.0000 | 0.0000 | 83.026 | 29.24966 | 0.00000 | 789605.1 | 431251.2 | 0.0 | S |
| 29.692 | 0.0000 | 0.0000 | 83.014 | 28.50892 | 0.00000 | 789605.1 | 432116.1 | 0.0 | S |
| 29.700 | 0.0000 | 0.0000 | 83.002 | 27.92300 | 0.00000 | 789605.1 | 432961.7 | 0.0 | S |
| 29.708 | 0.0000 | 0.0000 | 82.990 | 27.41684 | 0.00000 | 789605.1 | 433791.4 | 0.0 | S |
| 29.717 | 0.0000 | 0.0000 | 82.979 | 26.93901 | 0.00000 | 789605.1 | 434606.7 | 0.0 | S |
| 29.725 | 0.0000 | 0.0000 | 82.968 | 26.45837 | 0.00000 | 789605.1 | 435407.8 | 0.0 | S |
| 29.733 | 0.0000 | 0.0000 | 82.957 | 25.95962 | 0.00000 | 789605.1 | 436194.2 | 0.0 | S |
| 29.742 | 0.0000 | 0.0000 | 82.946 | 25.43883 | 0.00000 | 789605.1 | 436965.3 | 0.0 | S |
| 29.750 | 0.0000 | 0.0000 | 82.935 | 24.89955 | 0.00000 | 789605.1 | 437720.5 | 0.0 | S |
| 29.758 | 0.0000 | 0.0000 | 82.925 | 24.34963 | 0.00000 | 789605.1 | 438459.3 | 0.0 | S |
| 29.767 | 0.0000 | 0.0000 | 82.915 | 23.79879 | 0.00000 | 789605.1 | 439181.5 | 0.0 | S |
| 29.775 | 0.0000 | 0.0000 | 82.905 | 23.25685 | 0.00000 | 789605.1 | 439887.3 | 0.0 | S |
| 29.783 | 0.0000 | 0.0000 | 82.895 | 22.73253 | 0.00000 | 789605.1 | 440576.9 | 0.0 | S |
| 29.792 | 0.0000 | 0.0000 | 82.886 | 22.23271 | 0.00000 | 789605.1 | 441251.2 | 0.0 | S |
| 29.800 | 0.0000 | 0.0000 | 82.877 | 21.76214 | 0.00000 | 789605.1 | 441910.9 | 0.0 | S |
| 29.808 | 0.0000 | 0.0000 | 82.867 | 21.32340 | 0.00000 | 789605.1 | 442556.9 | 0.0 | S |
| 29.817 | 0.0000 | 0.0000 | 82.858 | 20.91712 | 0.00000 | 789605.1 | 443190.3 | 0.0 | S |
| 29.825 | 0.0000 | 0.0000 | 82.850 | 20.54229 | 0.00000 | 789605.1 | 443812.0 | 0.0 | S |
| 29.833 | 0.0000 | 0.0000 | 82.841 | 20.19670 | 0.00000 | 789605.1 | 444422.8 | 0.0 | S |
| 29.842 | 0.0000 | 0.0000 | 82.833 | 19.87737 | 0.00000 | 789605.1 | 445023.8 | 0.0 | S |
| 29.850 | 0.0000 | 0.0000 | 82.824 | 19.58086 | 0.00000 | 789605.1 | 445615.5 | 0.0 | S |
| 29.858 | 0.0000 | 0.0000 | 82.816 | 19.30364 | 0.00000 | 789605.1 | 446198.6 | 0.0 | S |
| 29.867 | 0.0000 | 0.0000 | 82.808 | 19.04233 | 0.00000 | 789605.1 | 446773.7 | 0.0 | S |
| 29.875 | 0.0000 | 0.0000 | 82.800 | 18.79388 | 0.00000 | 789605.7 | 447341.2 | 0.0 | S |
| 29.883 | 0.0000 | 0.0000 | 82.792 | 18.55564 | 0.00000 | 789605.1 | 447901.3 | 0.0 | S |
| 29.892 | 0.0000 | 0.0000 | 82.784 | 18.32547 | 0.00000 | 789605.1 | 448454.5 | 0.0 | S |
| 29.900 | 0.0000 | 0.0000 | 82.776 | 18.10169 | 0.00000 | 789605.1 | 449000.8 | 0.0 | S |
| 29.908 | 0.0000 | 0.0000 | 82.768 | 17.88309 | 0.00000 | 789605.1 | 449540.6 | 0.0 | S |
| 29.917 | 0.0000 | 0.0000 | 82.761 | 17.66888 | 0.00000 | 789605.1 | 450073.8 | 0.0 | S |
| 29.925 | 0.0000 | 0.0000 | 82.753 | 17.45861 | 0.00000 | 789605.1 | 450600.7 | 0.0 | S |
| 29.933 | 0.0000 | 0.0000 | 82.746 | 17.25210 | 0.00000 | 789605.1 | 451121.4 | 0.0 | S |
| 29.942 | 0.0000 | 0.0000 | 82.739 | 17.04939 | 0.00000 | 789605.1 | 451635.8 | 0.0 | S |
| 29.950 | 0.0000 | 0.0000 | 82.731 | 16.85066 | 0.00000 | 789605.1 | 452144.3 | 0.0 | S |
| 29.958 | 0.0000 | 0.0000 | 82.724 | 16.65618 | 0.00000 | 789605.1 | 452646.9 | 0.0 | S |
| 29.967 | 0.0000 | 0.0000 | 82.717 | 16.46623 | 0.00000 | 789605.1 | 453143.7 | 0.0 | S |
| 29.975 | 0.0000 | 0.0000 | 82.710 | 16.28110 | 0.00000 | 789605.1 | 453634.9 | 0.0 | S |
| 29.983 | 0.0000 | 0.0000 | 82.703 | 16.10103 | 0.00000 | 789605.1 | 454120.6 | 0.0 | S |
| 29.992 | 0.0000 | 0.0000 | 82.696 | 15.92620 | 0.00000 | 789605.1 | 454600.9 | 0.0 | S |
| 30.000 | 0.0000 | 0.0000 | 82.689 | 15.75673 | 0.00000 | 789605.1 | 455076.1 | 0.0 | S |
| 30.008 | 0.0000 | 0.0000 | 82.683 | 15.59265 | 0.00000 | 789605.1 | 455546.3 | 0.0 | S |
| 30.017 | 0.0000 | 0.0000 | 82.676 | 15.43390 | 0.00000 | 789605.1 | 456011.7 | 0.0 | S |
| 30.025 | 0.0000 | 0.0000 | 82.669 | 15.28037 | 0.00000 | 789605.1 | 456472.4 | 0.0 | S |
| 30.033 | 0.0000 | 0.0000 | 82.663 | 15.13189 | 0.00000 | 789605.1 | 456928.5 | 0.0 | S |
| 30.042 | 0.0000 | 0.0000 | 82.656 | 14.98823 | 0.00000 | 789605.1 | 457380.3 | 0.0 | S |
| 30.050 | 0.0000 | 0.0000 | 82.650 | 14.84913 | 0.00000 | 789605.1 | 457827.8 | 0.0 | S |
| 30.058 | 0.0000 | 0.0000 | 82.643 | 14.71431 | 0.00000 | 789605.1 | 458271.2 | 0.0 | S |
| 30.067 | 0.0000 | 0.0000 | 82.637 | 14.58347 | 0.00000 | 789605.1 | 458710.7 | 0.0 | S |
| 30.075 | 0.0000 | 0.0000 | 82.631 | 14.45632 | 0.00000 | 789605.1 | 459146.3 | 0.0 | S |
| 30.083 | 0.0000 | 0.0000 | 82.624 | 14.33257 | 0.00000 | 789605.1 | 459578.0 | 0.0 | S |
| 30.092 | 0.0000 | 0.0000 | 82.618 | 14.21195 | 0.00000 | 789605.1 | 460006.2 | 0.0 | S |
| 30.100 | 0.0000 | 0.0000 | 82.612 | 14.09420 | 0.00000 | 789605.1 | 460430.8 | 0.0 | S |
| 30.108 | 0.0000 | 0.0000 | 82.606 | 13.97912 | 0.00000 | 789605.1 | 460851.8 | 0.0 | S |
| 30.117 | 0.0000 | 0.0000 | 82.600 | 13.86649 | 0.00000 | 789605.1 | 461269.5 | 0.0 | S |
| 30.125 | 0.0000 | 0.0000 | 82.594 | 13.75616 | 0.00000 | 789605.1 | 461683.8 | 0.0 | S |
| 30.133 | 0.0000 | 0.0000 | 82.588 | 13.64797 | 0.00000 | 789605.1 | 462094.9 | 0.0 | S |
| 30.142 | 0.0000 | 0.0000 | 82.582 | 13.54181 | 0.00000 | 789605.1 | 462502.7 | 0.0 | S |
| 30.150 | 0.0000 | 0.0000 | 82.576 | 13.43759 | 0.00000 | 789605.1 | 462907.4 | 0.0 | S |
| 30.158 | 0.0000 | 0.0000 | 82.570 | 13.33524 | 0.00000 | 789605.1 | 463309.0 | 0.0 | S |
| 30.167 | 0.0000 | 0.0000 | 82.564 | 13.23471 | 0.00000 | 789605.1 | 463707.5 | 0.0 | S |
| 30.175 | 0.0000 | 0.0000 | 82.559 | 13.13595 | 0.00000 | 789605.1 | 464103.1 | 0.0 | S |
| 30.183 | 0.0000 | 0.0000 | 82.553 | 13.03894 | 0.00000 | 789605.1 | 464495.7 | 0.0 | S |
| 30.192 | 0.0000 | 0.0000 | 82.547 | 12.94366 | 0.00000 | 789605.1 | 464885.4 | 0.0 | S |
| 30.200 | 0.0000 | 0.0000 | 82.542 | 12.85009 | 0.00000 | 789605.1 | 465272.3 | 0.0 | S |
| 30.208 | 0.0000 | 0.0000 | 82.536 | 12.75822 | 0.00000 | 789605.1 | 465656.4 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | $\begin{aligned} & \text { Cumulative } \\ & \text { Inflow } \\ & \text { Volume ( } \mathrm{ft}^{3} \text { ) } \end{aligned}$ | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( ft ) | $\begin{aligned} & \text { Flow } \\ & \text { Type } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30.217 | 0.0000 | 0.0000 | 82.530 | 12.66804 | 0.00000 | 789605.1 | 466037.8 | 0.0 | S |
| 30.225 | 0.0000 | 0.0000 | 82.525 | 12.57953 | 0.00000 | 789605.1 | 466416.5 | 0.0 | S |
| 30.233 | 0.0000 | 0.0000 | 82.519 | 12.49269 | 0.00000 | 789605.1 | 466792.5 | 0.0 | S |
| 30.242 | 0.0000 | 0.0000 | 82.514 | 12.40749 | 0.00000 | 789605.1 | 467166.0 | 0.0 | S |
| 30.250 | 0.0000 | 0.0000 | 82.509 | 12.32390 | 0.00000 | 789605.1 | 467537.0 | 0.0 | S |
| 30.258 | 0.0000 | 0.0000 | 82.503 | 12.24191 | 0.00000 | 789605.1 | 467905.5 | 0.0 | S |
| 30.267 | 0.0000 | 0.0000 | 82.498 | 12.16149 | 0.00000 | 789605.1 | 468271.5 | 0.0 | S |
| 30.275 | 0.0000 | 0.0000 | 82.492 | 12.08258 | 0.00000 | 789805.1 | 468635.2 | 0.0 | S |
| 30.283 | 0.0000 | 0.0000 | 82.487 | 12.00516 | 0.00000 | 789605.1 | 468996.5 | 0.0 | S |
| 30.292 | 0.0000 | 0.0000 | 82.482 | 11.92919 | 0.00000 | 789605.1 | 469355.5 | 0.0 | S |
| 30.300 | 0.0000 | 0.0000 | 82.477 | 11.85461 | 0.00000 | 789605.1 | 469712.2 | 0.0 | S |
| 30.308 | 0.0000 | 0.0000 | 82.471 | 11.78139 | 0.00000 | 789605.1 | 470066.8 | 0.0 | S |
| 30.317 | 0.0000 | 0.0000 | 82.466 | 11.70947 | 0.00000 | 789605.1 | 470419.1 | 0.0 | S |
| 30.325 | 0.0000 | 0.0000 | 82.461 | 11.63881 | 0.00000 | 789605.1 | 470769.3 | 0.0 | S |
| 30.333 | 0.0000 | 0.0000 | 82.456 | 11.56936 | 0.00000 | 789605.1 | 471117.4 | 0.0 | S |
| 30.342 | 0.0000 | 0.0000 | 82.451 | 11.50107 | 0.00000 | 789605.1 | 471463.5 | 0.0 | S |
| 30.350 | 0.0000 | 0.0000 | 82.446 | 11.43391 | 0.00000 | 789605.1 | 471807.5 | 0.0 | S |
| 30.358 | 0.0000 | 0.0000 | 82.441 | 11.36782 | 0.00000 | 789605.1 | 472149.5 | 0.0 | S |
| 30.367 | 0.0000 | 0.0000 | 82.436 | 11.30277 | 0.00000 | 789605.1 | 472489.6 | 0.0 | S |
| 30.375 | 0.0000 | 0.0000 | 82.431 | 11.23872 | 0.00000 | 789605.1 | 472827.7 | 0.0 | S |
| 30.383 | 0.0000 | 0.0000 | 82.426 | 11.17563 | 0.00000 | 789605.1 | 473163.9 | 0.0 | S |
| 30.392 | 0.0000 | 0.0000 | 82.421 | 11.11348 | 0.00000 | 789605.1 | 473498.2 | 0.0 | S |
| 30.400 | 0.0000 | 0.0000 | 82.416 | 11.05222 | 0.00000 | 789605.1 | 473830.7 | 0.0 | S |
| 30.408 | 0.0000 | 0.0000 | 82.411 | 10.99184 | 0.00000 | 789605.1 | 474161.3 | 0.0 | S |
| 30.417 | 0.0000 | 0.0000 | 82.406 | 10.93231 | 0.00000 | 789605.1 | 474490.2 | 0.0 | S |
| 30.425 | 0.0000 | 0.0000 | 82.401 | 10.87361 | 0.00000 | 789605.1 | 474817.3 | 0.0 | S |
| 30.433 | 0.0000 | 0.0000 | 82.396 | 10.81572 | 0.00000 | 789605.1 | 475142.6 | 0.0 | S |
| 30.442 | 0.0000 | 0.0000 | 82.392 | 10.75861 | 0.00000 | 789605.1 | 475466.2 | 0.0 | S |
| 30.450 | 0.0000 | 0.0000 | 82.387 | 10.70228 | 0.00000 | 789605.1 | 475788.1 | 0.0 | S |
| 30.458 | 0.0000 | 0.0000 | 82.382 | 10.64671 | 0.00000 | 789605.1 | 476108.4 | 0.0 | S |
| 30.467 | 0.0000 | 0.0000 | 82.377 | 10.59188 | 0.00000 | 789605.1 | 476426.9 | 0.0 | S |
| 30.475 | 0.0000 | 0.0000 | 82.373 | 10.53779 | 0.00000 | 789605.1 | 476743.9 | 0.0 | S |
| 30.483 | 0.0000 | 0.0000 | 82.368 | 10.48442 | 0.00000 | 789605.1 | 477059.2 | 0.0 | S |
| 30.492 | 0.0000 | 0.0000 | 82.363 | 10.43175 | 0.00000 | 789605.1 | 477372.9 | 0.0 | S |
| 30.500 | 0.0000 | 0.0000 | 82.359 | 10.37979 | 0.00000 | 789605.1 | 477685.1 | 0.0 | S |
| 30.508 | 0.0000 | 0.0000 | 82.354 | 10.32851 | 0.00000 | 789605.1 | 477995.7 | 0.0 | S |
| 30.517 | 0.0000 | 0.0000 | 82.349 | 10.27791 | 0.00000 | 789605.1 | 478304.8 | 0.0 | S |
| 30.525 | 0.0000 | 0.0000 | 82.345 | 10.22797 | 0.00000 | 789605.1 | 478612.4 | 0.0 | S |
| 30.533 | 0.0000 | 0.0000 | 82.340 | 10.17869 | 0.00000 | 789605.1 | 478918.5 | 0.0 | S |
| 30.542 | 0.0000 | 0.0000 | 82.336 | 10.13006 | 0.00000 | 789605.1 | 479223.1 | 0.0 | S |
| 30.550 | 0.0000 | 0.0000 | 82.331 | 10.08206 | 0.00000 | 789605.1 | 479526.3 | 0.0 | S |
| 30.558 | 0.0000 | 0.0000 | 82.327 | 10.03468 | 0.00000 | 789605.1 | 479828.1 | 0.0 | S |
| 30.567 | 0.0000 | 0.0000 | 82.322 | 9.98791 | 0.00000 | 789605.1 | 480128.4 | 0.0 | S |
| 30.575 | 0.0000 | 0.0000 | 82.318 | 9.94174 | 0.00000 | 789605.1 | 480427.3 | 0.0 | S |
| 30.583 | 0.0000 | 0.0000 | 82.313 | 9.89615 | 0.00000 | 789605.1 | 480724.9 | 0.0 | S |
| 30.592 | 0.0000 | 0.0000 | 82.309 | 9.85114 | 0.00000 | 789605.1 | 481021.1 | 0.0 | S |
| 30.600 | 0.0000 | 0.0000 | 82.304 | 9.80669 | 0.00000 | 789605.1 | 481316.0 | 0.0 | S |
| 30.608 | 0.0000 | 0.0000 | 82.300 | 9.76279 | 0.00000 | 789605.1 | 481609.5 | 0.0 | S |
| 30.617 | 0.0000 | 0.0000 | 82.296 | 9.71943 | 0.00000 | 789605.1 | 481901.7 | 0.0 | S |
| 30.625 | 0.0000 | 0.0000 | 82.291 | 9.67660 | 0.00000 | 789605.1 | 482192.7 | 0.0 | S |
| 30.633 | 0.0000 | 0.0000 | 82.287 | 9.63428 | 0.00000 | 789605.1 | 482482.3 | 0.0 | S |
| 30.642 | 0.0000 | 0.0000 | 82.283 | 9.59246 | 0.00000 | 789605.1 | 482770.7 | 0.0 | S |
| 30.650 | 0.0000 | 0.0000 | 82.278 | 9.55113 | 0.00000 | 789605.1 | 483057.9 | 0.0 | S |
| 30.658 | 0.0000 | 0.0000 | 82.274 | 9.51028 | 0.00000 | 789605.1 | 483343.8 | 0.0 | S |
| 30.667 | 0.0000 | 0.0000 | 82.270 | 9.46990 | 0.00000 | 789605.1 | 483628.5 | 0.0 | S |
| 30.675 | 0.0000 | 0.0000 | 82.266 | 9.42998 | 0.00000 | 789605.1 | 483912.0 | 0.0 | S |
| 30.683 | 0.0000 | 0.0000 | 82.261 | 9.39051 | 0.00000 | 789605.1 | 484194.3 | 0.0 | S |
| 30.692 | 0.0000 | 0.0000 | 82.257 | 9.35147 | 0.00000 | 789605.1 | 484475.4 | 0.0 | S |
| 30.700 | 0.0000 | 0.0000 | 82.253 | 9.31287 | 0.00000 | 789605.1 | 484755.4 | 0.0 | S |
| 30.708 | 0.0000 | 0.0000 | 82.249 | 9.27469 | 0.00000 | 789605.1 | 485034.2 | 0.0 | S |
| 30.717 | 0.0000 | 0.0000 | 82.244 | 9.23691 | 0.00000 | 789605.1 | 485311.8 | 0.0 | S |
| 30.725 | 0.0000 | 0.0000 | 82.240 | 9.19955 | 0.00000 | 789605.1 | 485588.4 | 0.0 | S |
| 30.733 | 0.0000 | 0.0000 | 82.236 | 9.16258 | 0.00000 | 789605.1 | 485863.8 | 0.0 | S |
| 30.742 | 0.0000 | 0.0000 | 82.232 | 9.12600 | 0.00000 | 789605.1 | 486138.2 | 0.0 | S |
| 30.750 | 0.0000 | 0.0000 | 82.228 | 9.08980 | 0.00000 | 789605.1 | 486411.4 | 0.0 | S |
| 30.758 | 0.0000 | 0.0000 | 82.224 | 9.05398 | 0.00000 | 789605.1 | 486683.5 | 0.0 | S |
| 30.767 | 0.0000 | 0.0000 | 82.220 | 9.01852 | 0.00000 | 789605.1 | 486954.6 | 0.0 | S |
| 30.775 | 0.0000 | 0.0000 | 82.216 | 8.98344 | 0.00000 | 789605.1 | 487224.7 | 0.0 | S |
| 30.783 | 0.0000 | 0.0000 | 82.211 | 8.94870 | 0.00000 | 789605.1 | 487493.6 | 0.0 | S |
| 30.792 | 0.0000 | 0.0000 | 82.207 | 8.91433 | 0.00000 | 789605.1 | 487761.6 | 0.0 | S |
| 30.800 | 0.0000 | 0.0000 | 82.203 | 8.88029 | 0.00000 | 789605.1 | 488028.5 | 0.0 | S |
| 30.808 | 0.0000 | 0.0000 | 82.199 | 8.84660 | 0.00000 | 789605.1 | 488294.4 | 0.0 | S |
| 30.817 | 0.0000 | 0.0000 | 82.195 | 8.81325 | 0.00000 | 789605.1 | 488559.3 | 0.0 | S |
| 30.825 | 0.0000 | 0.0000 | 82.191 | 8.78023 | 0.00000 | 789605.1 | 488823.2 | 0.0 | S |

Detailed Results (cont,d.) :: Scenario 1 :: Pond 5100 yr / 24 hr

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{Ht}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{A}^{3 / 5}$ ) | Overliow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30.833 | 0.0000 | 0.0000 | 82.187 | 8.74754 | 0.00000 | 789605.1 | 489086.1 | 0.0 | S |
| 30.842 | 0.0000 | 0.0000 | 82.183 | 8.71517 | 0.00000 | 789605.1 | 489348.0 | 0.0 | S |
| 30.850 | 0.0000 | 0.0000 | 82.179 | 8.68311 | 0.00000 | 789605.1 | 489609.0 | 0.0 | S |
| 30.858 | 0.0000 | 0.0000 | 82.175 | 8.65137 | 0.00000 | 789605.1 | 489869.0 | 0.0 | S |
| 30.867 | 0.0000 | 0.0000 | 82.172 | 8.61994 | 0.00000 | 789605.1 | 490128.1 | 0.0 | S |
| 30.875 | 0.0000 | 0.0000 | 82.168 | 8.58881 | 0.00000 | 789605.1 | 490386.2 | 0.0 | S |
| 30.883 | 0.0000 | 0.0000 | 82.164 | 8.55799 | 0.00000 | 789605.1 | 490643.4 | 0.0 | S |
| 30.892 | 0.0000 | 0.0000 | 82.160 | 8.52745 | 0.00000 | 789605.1 | 490899.7 | 0.0 | S |
| 30.900 | 0.0000 | 0.0000 | 82.156 | 8.49721 | 0.00000 | 789605.1 | 491155.1 | 0.0 | S |
| 30.908 | 0.0000 | 0.0000 | 82.152 | 8.46726 | 0.00000 | 789605.1 | 491409.5 | 0.0 | S |
| 30.917 | 0.0000 | 0.0000 | 82.148 | 8.43758 | 0.00000 | 789605.1 | 491663.1 | 0.0 | S |
| 30.925 | 0.0000 | 0.0000 | 82.144 | 8.40819 | 0.00000 | 789605.1 | 491915.8 | 0.0 | S |
| 30.933 | 0.0000 | 0.0000 | 82.140 | 8.37907 | 0.00000 | 789605.1 | 492167.6 | 0.0 | S |
| 30.942 | 0.0000 | 0.0000 | 82.137 | 8.35022 | 0.00000 | 789605.1 | 492418.5 | 0.0 | S |
| 30.950 | 0.0000 | 0.0000 | 82.133 | 8.32163 | 0.00000 | 789605.1 | 492668.6 | 0.0 | S |
| 30.958 | 0.0000 | 0.0000 | 82.129 | 8.29330 | 0.00000 | 789605.1 | 492917.8 | 0.0 | S |
| 30.967 | 0.0000 | 0.0000 | 82.125 | 8.26523 | 0.00000 | 789605.1 | 493166.2 | 0.0 | S |
| 30.975 | 0.0000 | 0.0000 | 82.121 | 8.23742 | 0.00000 | 789605.1 | 493413.8 | 0.0 | S |
| 30.983 | 0.0000 | 0.0000 | 82.118 | 8.20985 | 0.00000 | 789605.1 | 493660.4 | 0.0 | S |
| 30.992 | 0.0000 | 0.0000 | 82.114 | 8.18253 | 0.00000 | 789605.1 | 493906.3 | 0.0 | S |
| 31.000 | 0.0000 | 0.0000 | 82.110 | 8.15545 | 0.00000 | 789605.1 | 494151.4 | 0.0 | S |
| 31.008 | 0.0000 | 0.0000 | 82.106 | 8.12861 | 0.00000 | 789605.1 | 494395.7 | 0.0 | S |
| 31.017 | 0.0000 | 0.0000 | 82.103 | 8.10200 | 0.00000 | 789605.1 | 494639.1 | 0.0 | S |
| 31.025 | 0.0000 | 0.0000 | 82.099 | 8.07562 | 0.00000 | 789605.1 | 494881.8 | 0.0 | S |
| 31.033 | 0.0000 | 0.0000 | 82.095 | 8.04946 | 0.00000 | 789605.1 | 495123.7 | 0.0 | S |
| 31.042 | 0.0000 | 0.0000 | 82.092 | 8.02353 | 0.00000 | 789605.1 | 495364.8 | 0.0 | S |
| 31.050 | 0.0000 | 0.0000 | 82.088 | 7.99782 | 0.00000 | 789605.1 | 495605.1 | 0.0 | S |
| 31.058 | 0.0000 | 0.0000 | 82.084 | 7.97233 | 0.00000 | 789605.1 | 495844.6 | 0.0 | S |
| 31.067 | 0.0000 | 0.0000 | 82.081 | 7.94705 | 0.00000 | 789605.1 | 496083.4 | 0.0 | S |
| 31.075 | 0.0000 | 0.0000 | 82.077 | 7.92198 | 0.00000 | 789605.1 | 496321.4 | 0.0 | S |
| 31.083 | 0.0000 | 0.0000 | 82.073 | 7.89711 | 0.00000 | 789605.1 | 496558.7 | 0.0 | S |
| 31.092 | 0.0000 | 0.0000 | 82.070 | 7.87246 | 0.00000 | 789605.1 | 496795.3 | 0.0 | S |
| 31.100 | 0.0000 | 0.0000 | 82.066 | 7.84800 | 0.00000 | 789605.1 | 497031.1 | 0.0 | S |
| 31.108 | 0.0000 | 0.0000 | 82.062 | 7.82374 | 0.00000 | 789605.1 | 497266.2 | 0.0 | S |
| 31.117 | 0.0000 | 0.0000 | 82.059 | 7.79968 | 0.00000 | 789605.1 | 497500.5 | 0.0 | S |
| 31.125 | 0.0000 | 0.0000 | 82.055 | 7.77581 | 0.00000 | 789605.1 | 497734.1 | 0.0 | S |
| 31.133 | 0.0000 | 0.0000 | 82.052 | 7.75213 | 0.00000 | 789605.1 | 497967.0 | 0.0 | S |
| 31.142 | 0.0000 | 0.0000 | 82.048 | 7.72864 | 0.00000 | 789605.1 | 498199.3 | 0.0 | S |
| 31.150 | 0.0000 | 0.0000 | 82.044 | 7.70534 | 0.00000 | 789605.1 | 498430.8 | 0.0 | S |
| 31.158 | 0.0000 | 0.0000 | 82.041 | 7.68222 | 0.00000 | 789605.1 | 498661.6 | 0.0 | S |
| 31.167 | 0.0000 | 0.0000 | 82.037 | 7.65929 | 0.00000 | 789605.1 | 498891.7 | 0.0 | S |
| 31.175 | 0.0000 | 0.0000 | 82.034 | 7.63653 | 0.00000 | 789605.1 | 499121.1 | 0.0 | S |
| 31.183 | 0.0000 | 0.0000 | 82.030 | 7.61395 | 0.00000 | 789605.1 | 499349.9 | 0.0 | S |
| 31.192 | 0.0000 | 0.0000 | 82.027 | 7.59154 | 0.00000 | 789605.1 | 499578.0 | 0.0 | S |
| 31.200 | 0.0000 | 0.0000 | 82.023 | 7.56931 | 0.00000 | 789605.1 | 499805.4 | 0.0 | S |
| 31.208 | 0.0000 | 0.0000 | 82.020 | 7.54724 | 0.00000 | 789605.1 | 500032.1 | 0.0 | S |
| 31.217 | 0.0000 | 0.0000 | 82.016 | 7.52535 | 0.00000 | 789605.1 | 500258.2 | 0.0 | S |
| 31.225 | 0.0000 | 0.0000 | 82.013 | 7.50362 | 0.00000 | 789605.1 | 500483.7 | 0.0 | S |
| 31.233 | 0.0000 | 0.0000 | 82.009 | 7.48206 | 0.00000 | 789605.1 | 500708.4 | 0.0 | S |
| 31.242 | 0.0000 | 0.0000 | 82.006 | 7.46066 | 0.00000 | 789605.1 | 500932.6 | 0.0 | S |
| 31.250 | 0.0000 | 0,0000 | 82.002 | 7.43942 | 0.00000 | 789605.1 | 501156.1 | 0.0 | S |
| 31.258 | 0.0000 | 0,0000 | 81.999 | 7.41833 | 0.00000 | 789605.1 | 501378.9 | 0.0 | S |
| 31.267 | 0.0000 | 0.0000 | 81.995 | 7.39741 | 0.00000 | 789605.1 | 501601.2 | 0.0 | S |
| 31.275 | 0.0000 | 0.0000 | 81.992 | 7.37664 | 0.00000 | 789605.1 | 501822.8 | 0.0 | S |
| 31.283 | 0.0000 | 0.0000 | 81.988 | 7.35602 | 0.00000 | 789605.1 | 502043.8 | 0.0 | S |
| 31.292 | 0.0000 | 0.0000 | 81.985 | 7.33556 | 0.00000 | 789605.1 | 502264.2 | 0.0 | S |
| 31.300 | 0.0000 | 0.0000 | 81.982 | 7.31524 | 0.00000 | 789605.1 | 502483.9 | 0.0 | S |
| 31.308 | 0.0000 | 0.0000 | 81.978 | 7.29507 | 0.00000 | 789605.1 | 502703.1 | 0.0 | S |
| 31.317 | 0.0000 | 0.0000 | 81.975 | 7.27505 | 0.00000 | 789605.1 | 502921.6 | 0.0 | S |
| 31.325 | 0.0000 | 0.0000 | 81.971 | 7.25517 | 0.00000 | 789605.1 | 503139.6 | 0.0 | S |
| 31.333 | 0.0000 | 0.0000 | 81.968 | 7.23544 | 0.00000 | 789605.1 | 503356.9 | 0.0 | S |
| 31.342 | 0.0000 | 0.0000 | 81.965 | 7.21584 | 0.00000 | 789605.1 | 503573.7 | 0.0 | S |
| 31.350 | 0.0000 | 0.0000 | 81.961 | 7.19638 | 0.00000 | 789605.1 | 503789.9 | 0.0 | S |
| 31.358 | 0.0000 | 0.0000 | 81.958 | 7.17707 | 0.00000 | 789605.1 | 504005.5 | 0.0 | S |
| 31.367 | 0.0000 | 0.0000 | 81.955 | 7.15788 | 0.00000 | 789605.1 | 504220.5 | 0.0 | S |
| 31.375 | 0.0000 | 0.0000 | 81.951 | 7.13883 | 0.00000 | 789605.1 | 504434.9 | 0.0 | S |
| 31.383 | 0.0000 | 0.0000 | 81.948 | 7.11992 | 0.00000 | 789605.1 | 504648.8 | 0.0 | S |
| 31.392 | 0.0000 | 0.0000 | 81.945 | 7.10113 | 0.00000 | 789605.1 | 504862.1 | 0.0 | S |
| 31.400 | 0.0000 | 0.0000 | 81.941 | 7.08248 | 0.00000 | 789605.1 | 505074.9 | 0.0 | S |
| 31.408 | 0.0000 | 0.0000 | 81.938 | 7.06395 | 0.00000 | 789605.1 | 505287.1 | 0.0 | S |
| 31.417 | 0.0000 | 0.0000 | 81.935 | 7.04555 | 0.00000 | 789605.1 | 505498.7 | 0.0 | S |
| 31.425 | 0.0000 | 0.0000 | 81.931 | 7.02727 | 0.00000 | 789605.1 | 505709.8 | 0.0 | S |
| 31.433 | 0.0000 | 0.0000 | 81.928 | 7.00911 | 0.00000 | 789605.1 | 505920.4 | 0.0 | S |
| 31.442 | 0.0000 | 0.0000 | 81.925 | 6.99108 | 0.00000 | 789605.1 | 506130.4 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont.d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Intiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{H}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 31.450 | 0.0000 | 0.0000 | 81.922 | 6.97317 | 0.00000 | 789605.1 | 506339.8 | 0.0 | S |
| 31.458 | 0.0000 | 0.0000 | 81.918 | 6.95538 | 0.00000 | 789605.1 | 506548.8 | 0.0 | S |
| 31.467 | 0.0000 | 0.0000 | 81.915 | 6.93771 | 0.00000 | 789605.1 | 506757.2 | 0.0 | S |
| 31.475 | 0.0000 | 0.0000 | 81.912 | 6.92015 | 0.00000 | 789605.1 | 506965.0 | 0.0 | S |
| 31.483 | 0.0000 | 0.0000 | 81.909 | 6.90271 | 0.00000 | 789605.1 | 507172.4 | 0.0 | S |
| 31.492 | 0.0000 | 0.0000 | 81.905 | 6.88538 | 0.00000 | 789605.1 | 507379.2 | 0.0 | S |
| 31.500 | 0.0000 | 0.0000 | 81.902 | 6.86817 | 0.00000 | 789605.1 | 507585.5 | 0.0 | S |
| 31.508 | 0.0000 | 0.0000 | 81.899 | 6.85107 | 0.00000 | 789605.1 | 507791.3 | 0.0 | S |
| 31.517 | 0.0000 | 0.0000 | 81.896 | 6.83407 | 0.00000 | 789605.1 | 507996.6 | 0.0 | S |
| 31.525 | 0.0000 | 0.0000 | 81.892 | 6.81719 | 0.00000 | 789605.1 | 508201.3 | 0.0 | S |
| 31.533 | 0.0000 | 0.0000 | 81.889 | 6.80041 | 0.00000 | 789605.1 | 508405.6 | 0.0 | S |
| 31.542 | 0.0000 | 0.0000 | 81.886 | 6.78375 | 0.00000 | 789605.1 | 508609.3 | 0.0 | S |
| 31.550 | 0.0000 | 0.0000 | 81.883 | 6.76718 | 0.00000 | 789605.1 | 508812.6 | 0.0 | S |
| 31.558 | 0.0000 | 0.0000 | 81.880 | 6.75073 | 0.00000 | 789605.1 | 509015.4 | 0.0 | S |
| 31.567 | 0.0000 | 0.0000 | 81.876 | 6.73437 | 0.00000 | 789605.1 | 509217.7 | 0.0 | S |
| 31.575 | 0.0000 | 0.0000 | 81.873 | 6.71812 | 0.00000 | 789605.1 | 509419.4 | 0.0 | S |
| 31.583 | 0.0000 | 0.0000 | 81.870 | 6.70197 | 0.00000 | 789605.1 | 509620.8 | 0.0 | S |
| 31.592 | 0.0000 | 0.0000 | 81.867 | 6.68592 | 0.00000 | 789605.1 | 509821.6 | 0.0 | S |
| 31.600 | 0.0000 | 0.0000 | 81.864 | 6.66997 | 0.00000 | 789605.1 | 510021.9 | 0.0 | S |
| 31.608 | 0.0000 | 0.0000 | 81.861 | 6.65412 | 0.00000 | 789605.1 | 510221.8 | 0.0 | S |
| 31.617 | 0.0000 | 0.0000 | 81.858 | 6.63837 | 0.00000 | 789605.1 | 510421.1 | 0.0 | S |
| 31.625 | 0.0000 | 0.0000 | 81.854 | 6.62271 | 0.00000 | 789605.1 | 510620.1 | 0.0 | S |
| 31.633 | 0.0000 | 0.0000 | 81.851 | 6.60715 | 0.00000 | 789605.1 | 510818.5 | 0.0 | S |
| 31.642 | 0.0000 | 0.0000 | 81.848 | 6.59168 | 0.00000 | 789605.1 | 511016.5 | 0.0 | S |
| 31.650 | 0.0000 | 0.0000 | 81.845 | 6.57631 | 0.00000 | 789605.1 | 511214.0 | 0.0 | S |
| 31.658 | 0.0000 | 0.0000 | 81.842 | 6.56103 | 0.00000 | 789605.1 | 511411.1 | 0.0 | S |
| 31.667 | 0.0000 | 0.0000 | 81.839 | 6.54584 | 0.00000 | 789605.1 | 511607.7 | 0.0 | S |
| 31.675 | 0.0000 | 0.0000 | 81.836 | 6.53074 | 0.00000 | 789605.1 | 511803.8 | 0.0 | S |
| 31.683 | 0.0000 | 0.0000 | 81.833 | 6.51573 | 0.00000 | 789605.1 | 511999.5 | 0.0 | S |
| 31.692 | 0.0000 | 0.0000 | 81.830 | 6.50081 | 0.00000 | 789605.1 | 512194.8 | 0.0 | S |
| 31.700 | 0.0000 | 0.0000 | 81.826 | 6.48598 | 0.00000 | 789605.1 | 512389.6 | 0.0 | S |
| 31.708 | 0.0000 | 0.0000 | 81.823 | 6.47124 | 0.00000 | 789605.1 | 512583.9 | 0.0 | S |
| 31.717 | 0.0000 | 0.0000 | 81.820 | 6.45658 | 0.00000 | 789605.1 | 512777.8 | 0.0 | S |
| 31.725 | 0.0000 | 0.0000 | 81.817 | 6.44201 | 0.00000 | 789605.1 | 512971.3 | 0.0 | S |
| 31.733 | 0.0000 | 0.0000 | 81.814 | 6.42753 | 0.00000 | 789605.1 | 513164.3 | 0.0 | S |
| 31.742 | 0.0000 | 0.0000 | 81.811 | 6.41313 | 0.00000 | 789605.1 | 573357.0 | 0.0 | S |
| 31.750 | 0.0000 | 0.0000 | 81.808 | 6.39881 | 0.00000 | 789605.1 | 513549.1 | 0.0 | S |
| 31.758 | 0.0000 | 0.0000 | 81.805 | 6.38457 | 0.00000 | 789605.1 | 513740.9 | 0.0 | S |
| 31.767 | 0.0000 | 0.0000 | 81.802 | 6.37042 | 0.00000 | 789605.1 | 513932.2 | 0.0 | S |
| 31.775 | 0.0000 | 0.0000 | 81.799 | 6.35635 | 0.00000 | 789605.1 | 514123.1 | 0.0 | S |
| 31.783 | 0.0000 | 0.0000 | 81.796 | 6.34235 | 0.00000 | 789605.1 | 514313.6 | 0.0 | S |
| 31.792 | 0.0000 | 0.0000 | 81.793 | 6.32844 | 0.00000 | 789605.1 | 514503.7 | 0.0 | S |
| 31.800 | 0.0000 | 0.0000 | 81.790 | 6.31461 | 0.00000 | 789605.1 | 514693.3 | 0.0 | S |
| 31.808 | 0.0000 | 0.0000 | 81.787 | 6.30085 | 0.00000 | 789605.1 | 514882.5 | 0.0 | S |
| 31.817 | 0.0000 | 0.0000 | 81.784 | 6.28717 | 0.00000 | 789605.1 | 515071.3 | 0.0 | S |
| 31.825 | 0.0000 | 0.0000 | 81.781 | 6.27357 | 0.00000 | 789605.1 | 515259.8 | 0.0 | S |
| 31.833 | 0.0000 | 0.0000 | 81.778 | 6.26004 | 0.00000 | 789605.1 | 515447.8 | 0.0 | S |
| 31.842 | 0.0000 | 0.0000 | 81.775 | 6.24659 | 0.00000 | 789605.1 | 515635.4 | 0.0 | S |
| 31.850 | 0.0000 | 0.0000 | 81.772 | 6.23321 | 0.00000 | 789605.1 | 515822.6 | 0.0 | S |
| 31.858 | 0.0000 | 0.0000 | 81.769 | 6.21990 | 0.00000 | 789605.1 | 516009.3 | 0.0 | S |
| 31.867 | 0.0000 | 0.0000 | 81.766 | 6.20667 | 0.00000 | 789605.1 | 516195.8 | 0.0 | S |
| 31.875 | 0.0000 | 0.0000 | 81.763 | 6.19351 | 0.00000 | 789605.1 | 516381.8 | 0.0 | S |
| 31.883 | 0.0000 | 0.0000 | 81.760 | 6.18043 | 0.00000 | 789605.1 | 516567.4 | 0.0 | S |
| 31.892 | 0.0000 | 0.0000 | 81.757 | 6.16741 | 0.00000 | 789605.1 | 516752.6 | 0.0 | S |
| 31.900 | 0.0000 | 0.0000 | 81.754 | 6.15447 | 0.00000 | 789605.1 | 516937.4 | 0.0 | S |
| 31.908 | 0.0000 | 0.0000 | 81.751 | 6.14159 | 0.00000 | 789605.1 | 517121.8 | 0.0 | S |
| 31.917 | 0.0000 | 0.0000 | 81.748 | 6.12878 | 0.00000 | 789605.1 | 517305.9 | 0.0 | S |
| 31.925 | 0.0000 | 0.0000 | 81.745 | 6.11604 | 0.00000 | 789605.1 | 517489.6 | 0.0 | S |
| 31.933 | 0.0000 | 0.0000 | 81.742 | 6.10337 | 0.00000 | 789605.1 | 517672.9 | 0.0 | S |
| 31.942 | 0.0000 | 0.0000 | 81.740 | 6.09077 | 0.00000 | 789605.1 | 517855.8 | 0.0 | S |
| 31.950 | 0.0000 | 0.0000 | 81.737 | 6.07823 | 0.00000 | 789605.1 | 518038.3 | 0.0 | S |
| 31.958 | 0.0000 | 0.0000 | 81.734 | 6.06576 | 0.00000 | 789605.1 | 518220.5 | 0.0 | S |
| 31.967 | 0.0000 | 0.0000 | 81.731 | 6.05336 | 0.00000 | 789605.1 | 518402.3 | 0.0 | S |
| 31.975 | 0.0000 | 0.0000 | 81.728 | 6.04102 | 0.00000 | 789605.1 | 518583.7 | 0.0 | S |
| 31.983 | 0.0000 | 0.0000 | 81.725 | 6.02874 | 0.00000 | 789605.1 | 518764.7 | 0.0 | S |
| 31.992 | 0.0000 | 0.0000 | 81.722 | 6.01653 | 0.00000 | 789605.1 | 518945.4 | 0.0 | S |
| 32.000 | 0.0000 | 0.0000 | 81.719 | 6.00438 | 0.00000 | 789605.1 | 519125.7 | 0.0 | S |
| 32.008 | 0.0000 | 0.0000 | 81.716 | 5.99229 | 0.00000 | 789605.1 | 519305.7 | 0.0 | S |
| 32.017 | 0.0000 | 0.0000 | 81.713 | 5.98027 | 0.00000 | 789605.1 | 519485.3 | 0.0 | S |
| 32.025 | 0.0000 | 0.0000 | 81.711 | 5.96831 | 0.00000 | 789605.1 | 519664.5 | 0.0 | S |
| 32.033 | 0.0000 | 0.0000 | 81.708 | 5.95641 | 0.00000 | 789605.1 | 519843.3 | 0.0 | S |
| 32.042 | 0.0000 | 0.0000 | 81.705 | 5.94456 | 0.00000 | 789605.1 | 520021.9 | 0.0 | S |
| 32.050 | 0.0000 | 0.0000 | 81.702 | 5.93278 | 0.00000 | 789605.1 | 520200.0 | 0.0 | S |
| 32.058 | 0.0000 | 0.0000 | 81.699 | 5.92106 | 0.00000 | 789605.1 | 520377.8 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (fi/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} \mathrm{~s}$ ) | Cumulative Inflow Volume (ft ${ }^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32.067 | 0.0000 | 0.0000 | 81.696 | 5.90940 | 0.00000 | 789605.1 | 520555.3 | 0.0 | S |
| 32.075 | 0.0000 | 0.0000 | 81.693 | 5.89780 | 0.00000 | 789605.1 | 520732.4 | 0.0 | S |
| 32.083 | 0.0000 | 0.0000 | 81.691 | 5.88625 | 0.00000 | 789605.1 | 520909,2 | 0.0 | S |
| 32.092 | 0.0000 | 0.0000 | 81.688 | 5.87477 | 0.00000 | 789605.1 | 521085.6 | 0.0 | S |
| 32.100 | 0.0000 | 0.0000 | 81.685 | 5.86334 | 0.00000 | 789605.1 | 521261.6 | 0.0 | S |
| 32.108 | 0.0000 | 0.0000 | 81.682 | 5.85196 | 0.00000 | 789605.1 | 521437.4 | 0.0 | S |
| 32.117 | 0.0000 | 0.0000 | 81.679 | 5.84065 | 0.00000 | 789605.1 | 521612.8 | 0.0 | S |
| 32.125 | 0.0000 | 0.0000 | 81.677 | 5.82939 | 0.00000 | 789605.1 | 521787.8 | 0.0 | S |
| 32.133 | 0.0000 | 0.0000 | 81.674 | 5.81818 | 0.00000 | 789605.1 | 521962.5 | 0.0 | S |
| 32.142 | 0.0000 | 0.0000 | 81.671 | 5.80703 | 0.00000 | 789605.1 | 522136.9 | 0.0 | S |
| 32.150 | 0.0000 | 0.0000 | 81.668 | 5.79593 | 0.00000 | 789605.1 | 522310.9 | 0.0 | S |
| 32.158 | 0.0000 | 0.0000 | 81.665 | 5.78489 | 0.00000 | 789605.1 | 522484.7 | 0.0 | S |
| 32.167 | 0.0000 | 0.0000 | 81.663 | 5.77390 | 0.00000 | 789605.1 | 522658.0 | 0.0 | S |
| 32.175 | 0.0000 | 0.0000 | 81.660 | 5.76297 | 0.00000 | 789605.1 | 522831.1 | 0.0 | S |
| 32,183 | 0.0000 | 0.0000 | 81.657 | 5.75208 | 0.00000 | 789605.1 | 523003.8 | 0.0 | S |
| 32,192 | 0.0000 | 0.0000 | 81.654 | 5.74125 | 0.00000 | 789605.1 | 523176.2 | 0.0 | S |
| 32.200 | 0.0000 | 0.0000 | 81.651 | 5.73047 | 0.00000 | 789605.1 | 523348.3 | 0.0 | S |
| 32.208 | 0.0000 | 0.0000 | 81.649 | 5.71975 | 0.00000 | 789605.1 | 523520.0 | 0.0 | S |
| 32.217 | 0.0000 | 0.0000 | 81.646 | 5.70907 | 0.00000 | 789605.1 | 523691.5 | 0.0 | S |
| 32.225 | 0.0000 | 0.0000 | 81.643 | 5.69844 | 0.00000 | 789605.1 | 523862.6 | 0.0 | S |
| 32.233 | 0.0000 | 0.0000 | 81.640 | 5.68787 | 0.00000 | 789605.1 | 524033.4 | 0.0 | S |
| 32.242 | 0.0000 | 0.0000 | 81.638 | 5.67734 | 0.00000 | 789605.1 | 524203.8 | 0.0 | S |
| 32.250 | 0.0000 | 0.0000 | 81.635 | 5.66687 | 0.00000 | 789605.1 | 524374.0 | 0.0 | S |
| 32.258 | 0.0000 | 0.0000 | 81.632 | 5.65644 | 0.00000 | 789605.1 | 524543.9 | 0.0 | S |
| 32.267 | 0.0000 | 0.0000 | 81.629 | 5.64606 | 0.00000 | 789605.1 | 524713.4 | 0.0 | S |
| 32.275 | 0.0000 | 0.0000 | 81.627 | 5.63573 | 0.00000 | 789605.1 | 524882.6 | 0.0 | S |
| 32.283 | 0.0000 | 0.0000 | 81.624 | 5.62545 | 0.00000 | 789605.1 | 525051.6 | 0.0 | S |
| 32.292 | 0.0000 | 0.0000 | 81.621 | 5.61522 | 0.00000 | 789605.1 | 525220.2 | 0.0 | S |
| 32.300 | 0.0000 | 0.0000 | 81.618 | 5.60503 | 0.00000 | 789605.1 | 525388.4 | 0.0 | S |
| 32.308 | 0.0000 | 0.0000 | 81.616 | 5.59489 | 0.00000 | 789605.1 | 525556.4 | 0.0 | S |
| 32.317 | 0.0000 | 0.0000 | 81.613 | 5.58480 | 0.00000 | 789605.1 | 525724.2 | 0.0 | S |
| 32.325 | 0.0000 | 0.0000 | 81.610 | 5.57475 | 0.00000 | 789605.1 | 525891.6 | 0.0 | S |
| 32.333 | 0.0000 | 0.0000 | 81.608 | 5.56475 | 0.00000 | 789605.1 | 526058.6 | 0.0 | S |
| 32.342 | 0.0000 | 0.0000 | 81.605 | 5.55479 | 0.00000 | 789605.1 | 526225.4 | 0.0 | S |
| 32.350 | 0.0000 | 0.0000 | 81.602 | 5.54488 | 0.00000 | 789605.1 | 526391.9 | 0.0 | S |
| 32.358 | 0.0000 | 0.0000 | 81.599 | 5.53502 | 0.00000 | 789605.1 | 526558.1 | 0.0 | S |
| 32.367 | 0.0000 | 0.0000 | 81.597 | 5.52519 | 0.00000 | 789605.1 | 526724.0 | 0.0 | S |
| 32.375 | 0.0000 | 0.0000 | 81.594 | 5.51542 | 0.00000 | 789605.1 | 526889.6 | 0.0 | S |
| 32.383 | 0.0000 | 0.0000 | 81.591 | 5.50568 | 0.00000 | 789605.1 | 527054.9 | 0.0 | S |
| 32.392 | 0.0000 | 0.0000 | 81.589 | 5.49599 | 0.00000 | 789605.1 | 527220.0 | 0.0 | S |
| 32.400 | 0.0000 | 0.0000 | 81.586 | 5.48635 | 0.00000 | 789605.1 | 527384.7 | 0.0 | S |
| 32.408 | 0.0000 | 0.0000 | 81.583 | 5.47674 | 0.00000 | 789605.1 | 527549.2 | 0.0 | S |
| 32.417 | 0.0000 | 0.0000 | 81.581 | 5.46718 | 0.00000 | 789605.1 | 527713.3 | 0.0 | S |
| 32.425 | 0.0000 | 0.0000 | 81.578 | 5.45766 | 0.00000 | 789605.1 | 527877.2 | 0.0 | S |
| 32.433 | 0.0000 | 0.0000 | 81.575 | 5.44818 | 0.00000 | 789605.1 | 528040.8 | 0.0 | S |
| 32.442 | 0.0000 | 0.0000 | 81.573 | 5.43875 | 0.00000 | 789605.1 | 528204.1 | 0.0 | S |
| 32.450 | 0.0000 | 0.0000 | 81.570 | 5.42935 | 0.00000 | 789605.1 | 528367.1 | 0.0 | S |
| 32.458 | 0.0000 | 0.0000 | 81.567 | 5.42000 | 0.00000 | 789605.1 | 528529.8 | 0.0 | S |
| 32.467 | 0.0000 | 0.0000 | 81.565 | 5.41068 | 0.00000 | 789605.1 | 528692.3 | 0.0 | S |
| 32.475 | 0.0000 | 0.0000 | 81.562 | 5.40141 | 0.00000 | 789605.1 | 528854.5 | 0.0 | S |
| 32.483 | 0.0000 | 0.0000 | 81.559 | 5.39218 | 0.00000 | 789605.1 | 529016.4 | 0.0 | S |
| 32.492 | 0.0000 | 0.0000 | 81.557 | 5.38298 | 0.00000 | 789605.1 | 529178.0 | 0.0 | S |
| 32.500 | 0.0000 | 0.0000 | 81.554 | 5.37383 | 0.00000 | 789605.1 | 529339.4 | 0.0 | S |
| 32.508 | 0.0000 | 0.0000 | 81.551 | 5.36471 | 0.00000 | 789605.1 | 529500.4 | 0.0 | S |
| 32.517 | 0.0000 | 0.0000 | 81.549 | 5.35564 | 0.00000 | 789605.1 | 529661.3 | 0.0 | S |
| 32.525 | 0.0000 | 0.0000 | 81.546 | 5.34660 | 0.00000 | 789605.1 | 529821.8 | 0.0 | S |
| 32.533 | 0.0000 | 0.0000 | 81.544 | 5.33760 | 0.00000 | 789605.1 | 529982.1 | 0.0 | S |
| 32.542 | 0.0000 | 0.0000 | 81.541 | 5.32864 | 0.00000 | 789605.1 | 530142.1 | 0.0 | S |
| 32.550 | 0.0000 | 0.0000 | 81.538 | 5.31972 | 0.00000 | 789605.1 | 530301.8 | 0.0 | S |
| 32.558 | 0.0000 | 0.0000 | 81.536 | 5.31084 | 0.00000 | 789605.1 | 530461.3 | 0.0 | S |
| 32.567 | 0.0000 | 0.0000 | 81.533 | 5.30199 | 0.00000 | 789605.1 | 530620.4 | 0.0 | S |
| 32.575 | 0.0000 | 0.0000 | 81.531 | 5.29318 | 0.00000 | 789605.1 | 530779.3 | 0.0 | S |
| 32.583 | 0.0000 | 0.0000 | 81.528 | 5.28440 | 0.00000 | 789605.1 | 530938.0 | 0.0 | S |
| 32.592 | 0.0000 | 0.0000 | 81.525 | 5.27567 | 0.00000 | 789605.1 | 531096.4 | 0.0 | S |
| 32.600 | 0.0000 | 0.0000 | 81.523 | 5.26697 | 0.00000 | 789605.1 | 531254.6 | 0.0 | S |
| 32.608 | 0.0000 | 0.0000 | 81.520 | 5.25830 | 0.00000 | 789605.1 | 531412.4 | 0.0 | S |
| 32.617 | 0.0000 | 0.0000 | 81.518 | 5.24967 | 0.00000 | 789605.1 | 531570.1 | 0.0 | S |
| 32.625 | 0.0000 | 0.0000 | 81.515 | 5.24108 | 0.00000 | 789605.1 | 531727.4 | 0.0 | S |
| 32.633 | 0.0000 | 0.0000 | 81.512 | 5.23252 | 0.00000 | 789605.1 | 531884.5 | 0.0 | S |
| 32.642 | 0.0000 | 0.0000 | 81.510 | 5.22400 | 0.00000 | 789605.1 | 532041.4 | 0.0 | S |
| 32.650 | 0.0000 | 0.0000 | 81.507 | 5.21551 | 0.00000 | 789605.1 | 532197.9 | 0.0 | S |
| 32.658 | 0.0000 | 0.0000 | 81.505 | 5.20706 | 0.00000 | 789605.1 | 532354.3 | 0.0 | S |
| 32.667 | 0.0000 | 0.0000 | 81.502 | 5.19864 | 0.00000 | 789605.1 | 532510.4 | 0.0 | S |
| 32.675 | 0.0000 | 0.0000 | 81.500 | 5.19025 | 0.00000 | 789605.1 | 532666.2 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Inflitration Rate (fishs) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32.683 | 0.0000 | 0.0000 | 81.497 | 5.18190 | 0.00000 | 789605.1 | 532821.8 | 0.0 | S |
| 32.692 | 0.0000 | 0.0000 | 81.495 | 5.17358 | 0.00000 | 789605.1 | 532977.1 | 0.0 | S |
| 32.700 | 0.0000 | 0.0000 | 81.492 | 5.16530 | 0.00000 | 789605.1 | 533132.2 | 0.0 | S |
| 32.708 | 0.0000 | 0.0000 | 81.489 | 5.15705 | 0.00000 | 789605.1 | 533287.1 | 0.0 | S |
| 32.717 | 0.0000 | 0.0000 | 81.487 | 5.14883 | 0.00000 | 789605.1 | 533441.6 | 0.0 | S |
| 32.725 | 0.0000 | 0.0000 | 81.484 | 5.14065 | 0.00000 | 789605.1 | 533595.9 | 0.0 | S |
| 32.733 | 0.0000 | 0.0000 | 81.482 | 5.13249 | 0.00000 | 789605.1 | 533750.1 | 0.0 | S |
| 32.742 | 0.0000 | 0.0000 | 81.479 | 5.12437 | 0.00000 | 789605.1 | 533903.9 | 0.0 | S |
| 32.750 | 0.0000 | 0.0000 | 81.477 | 5.11628 | 0.00000 | 789605.1 | 534057.5 | 0.0 | S |
| 32.758 | 0.0000 | 0.0000 | 81.474 | 5.10823 | 0.00000 | 789605.1 | 534210.9 | 0.0 | S |
| 32.767 | 0.0000 | 0.0000 | 81.472 | 5.10020 | 0.00000 | 789605.1 | 534364.0 | 0.0 | S |
| 32.775 | 0.0000 | 0.0000 | 81.469 | 5.09221 | 0.00000 | 789605.1 | 534516.9 | 0.0 | S |
| 32.783 | 0.0000 | 0.0000 | 81.467 | 5.08425 | 0.00000 | 789605.1 | 534669.6 | 0.0 | S |
| 32.792 | 0.0000 | 0.0000 | 81.464 | 5.07632 | 0.00000 | 789605.1 | 534821.9 | 0.0 | S |
| 32.800 | 0.0000 | 0.0000 | 81.462 | 5.06842 | 0.00000 | 789605.1 | 534974.1 | 0.0 | S |
| 32.808 | 0.0000 | 0.0000 | 81.459 | 5.06055 | 0.00000 | 789605.1 | 535126.1 | 0.0 | S |
| 32.817 | 0.0000 | 0.0000 | 81.457 | 5.05271 | 0.00000 | 789605.1 | 535277.8 | 0.0 | S |
| 32.825 | 0.0000 | 0.0000 | 81.454 | 5.04491 | 0.00000 | 789605.1 | 535429.3 | 0.0 | S |
| 32.833 | 0.0000 | 0.0000 | 81.452 | 5.03713 | 0.00000 | 789605.1 | 535580.4 | 0.0 | S |
| 32.842 | 0.0000 | 0.0000 | 81.449 | 5.02938 | 0.00000 | 789605.1 | 535731.4 | 0.0 | S |
| 32.850 | 0.0000 | 0.0000 | 81.447 | 5.02166 | 0.00000 | 789605.1 | 535882.3 | 0.0 | S |
| 32.858 | 0.0000 | 0.0000 | 81.444 | 5.01397 | 0.00000 | 789605.1 | 536032.8 | 0.0 | S |
| 32.867 | 0.0000 | 0.0000 | 81.442 | 5.00631 | 0.00000 | 789605.1 | 536183.1 | 0.0 | S |
| 32.875 | 0.0000 | 0.0000 | 81.439 | 4.99868 | 0.00000 | 789605.1 | 536333.1 | 0.0 | S |
| 32.883 | 0.0000 | 0.0000 | 81.437 | 4.99108 | 0.00000 | 789605.1 | 536483.0 | 0.0 | S |
| 32.892 | 0.0000 | 0.0000 | 81.434 | 4.98351 | 0.00000 | 789605.1 | 536632.6 | 0.0 | S |
| 32.900 | 0.0000 | 0.0000 | 81.432 | 4.97596 | 0.00000 | 789605.1 | 536782.0 | 0.0 | S |
| 32.908 | 0.0000 | 0.0000 | 81.429 | 4.96845 | 0.00000 | 789605.1 | 536931.1 | 0.0 | S |
| 32.917 | 0.0000 | 0.0000 | 81.427 | 4.96096 | 0.00000 | 789605.1 | 537080.1 | 0.0 | S |
| 32.925 | 0.0000 | 0.0000 | 81.424 | 4.95350 | 0.00000 | 789605.1 | 537228.8 | 0.0 | S |
| 32.933 | 0.0000 | 0.0000 | 81.422 | 4.94607 | 0.00000 | 789605.1 | 537377.3 | 0.0 | S |
| 32.942 | 0.0000 | 0.0000 | 81.419 | 4.93866 | 0.00000 | 789605.1 | 537525.6 | 0.0 | S |
| 32.950 | 0.0000 | 0.0000 | 81.417 | 4.93129 | 0.00000 | 789605.1 | 537673.6 | 0.0 | S |
| 32.958 | 0.0000 | 0.0000 | 81.414 | 4.92394 | 0.00000 | 789605.1 | 537821.4 | 0.0 | S |
| 32.967 | 0.0000 | 0.0000 | 81.412 | 4.91662 | 0.00000 | 789605.1 | 537969.1 | 0.0 | S |
| 32.975 | 0.0000 | 0.0000 | 81.410 | 4.90932 | 0.00000 | 789605.1 | 538116.4 | 0.0 | S |
| 32.983 | 0.0000 | 0.0000 | 81.407 | 4.90205 | 0.00000 | 789605.1 | 538263.6 | 0.0 | S |
| 32.992 | 0.0000 | 0.0000 | 81.405 | 4.89481 | 0.00000 | 789605.1 | 538410.6 | 0.0 | S |
| 33.000 | 0.0000 | 0.0000 | 81.402 | 4.88759 | 0.00000 | 789605.1 | 538557.3 | 0.0 | S |
| 33.008 | 0.0000 | 0.0000 | 81.400 | 4.88041 | 0.00000 | 789605.1 | 538703.8 | 0.0 | S |
| 33.017 | 0.0000 | 0.0000 | 81.397 | 4.87324 | 0.00000 | 789605.1 | 538850.7 | 0.0 | S |
| 33.025 | 0.0000 | 0.0000 | 81.395 | 4.86611 | 0.00000 | 789605.1 | 538996.3 | 0.0 | S |
| 33.033 | 0.0000 | 0.0000 | 81.393 | 4.85899 | 0.00000 | 789605.1 | 539142.1 | 0.0 | S |
| 33.042 | 0.0000 | 0.0000 | 81.390 | 4.85191 | 0.00000 | 789605.1 | 539287.8 | 0.0 | S |
| 33.050 | 0.0000 | 0.0000 | 81.388 | 4.84485 | 0.00000 | 789605.1 | 539433.2 | 0.0 | S |
| 33.058 | 0.0000 | 0.0000 | 81.385 | 4.83781 | 0.00000 | 789605.1 | 539578.4 | 0.0 | S |
| 33.067 | 0.0000 | 0.0000 | 81.383 | 4.83080 | 0.00000 | 789605.1 | 539723.5 | 0.0 | S |
| 33.075 | 0.0000 | 0.0000 | 81.380 | 4.82382 | 0.00000 | 789605.1 | 539868.3 | 0.0 | S |
| 33.083 | 0.0000 | 0.0000 | 81.378 | 4.81686 | 0.00000 | 789605.1 | 540012.9 | 0.0 | S |
| 33.092 | 0.0000 | 0.0000 | 81.376 | 4.80992 | 0.00000 | 789605.1 | 540157.3 | 0.0 | S |
| 33.100 | 0.0000 | 0.0000 | 81.373 | 4.80301 | 0.00000 | 789605.1 | 540301.5 | 0.0 | S |
| 33.108 | 0.0000 | 0.0000 | 81.371 | 4.79613 | 0.00000 | 789605.1 | 540445.5 | 0.0 | S |
| 33.117 | 0.0000 | 0.0000 | 81.368 | 4.78926 | 0.00000 | 789605.1 | 540589.3 | 0.0 | S |
| 33.125 | 0.0000 | 0.0000 | 81.366 | 4.78243 | 0.00000 | 789605.1 | 540732.9 | 0.0 | S |
| 33.133 | 0.0000 | 0.0000 | 81.364 | 4.77561 | 0.00000 | 789605.1 | 540876.3 | 0.0 | S |
| 33.142 | 0.0000 | 0.0000 | 81.361 | 4.76882 | 0.00000 | 789605.1 | 541019.4 | 0.0 | S |
| 33.150 | 0.0000 | 0.0000 | 81.359 | 4.76205 | 0.00000 | 789605.1 | 541162.4 | 0.0 | S |
| 33.158 | 0.0000 | 0.0000 | 81.356 | 4.75531 | 0.00000 | 789605.1 | 541305.1 | 0.0 | S |
| 33.167 | 0.0000 | 0.0000 | 81.354 | 4.74859 | 0.00000 | 789605.1 | 541447.7 | 0.0 | S |
| 33.175 | 0.0000 | 0.0000 | 81.352 | 4.74189 | 0.00000 | 789605.1 | 541590.0 | 0.0 | S |
| 33.183 | 0.0000 | 0.0000 | 81.349 | 4.73522 | 0.00000 | 789605.1 | 541732.2 | 0.0 | S |
| 33.192 | 0.0000 | 0.0000 | 81.347 | 4.72857 | 0.00000 | 789605.1 | 541874.1 | 0.0 | S |
| 33.200 | 0.0000 | 0.0000 | 81.345 | 4.72194 | 0.00000 | 789605.1 | 542015.9 | 0.0 | S |
| 33.208 | 0.0000 | 0.0000 | 81.342 | 4.71533 | 0.00000 | 789605.1 | 542157.4 | 0.0 | S |
| 33.217 | 0.0000 | 0.0000 | 81.340 | 4.70875 | 0.00000 | 789605.1 | 542298.8 | 0.0 | S |
| 33.225 | 0.0000 | 0.0000 | 81.337 | 4.70219 | 0.00000 | 789605.1 | 542440.0 | 0.0 | S |
| 33.233 | 0.0000 | 0.0000 | 81.335 | 4.69565 | 0.00000 | 789605.1 | 542580.9 | 0.0 | S |
| 33.242 | 0.0000 | 0.0000 | 81.333 | 4.68913 | 0.00000 | 789605.1 | 542721.8 | 0.0 | S |
| 33.250 | 0.0000 | 0.0000 | 81.330 | 4.68264 | 0.00000 | 789605.1 | 542862.3 | 0.0 | S |
| 33.258 | 0.0000 | 0.0000 | 81.328 | 4.67617 | 0.00000 | 789605.1 | 543002.7 | 0.0 | S |
| 33.267 | 0.0000 | 0.0000 | 81.326 | 4.66971 | 0.00000 | 789605.1 | 543142.9 | 0.0 | S |
| 33.275 | 0.0000 | 0.0000 | 81.323 | 4.66328 | 0.00000 | 789605.1 | 543282.9 | 0.0 | S |
| 33.283 | 0.0000 | 0.0000 | 81.321 | 4.65688 | 0.00000 | 789605.1 | 543422.7 | 0.0 | S |
| 33.292 | 0.0000 | 0.0000 | 81.319 | 4.65049 | 0.00000 | 789605.1 | 543562.3 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Outside Recharge (fy/day) | Stage Elevation (ft datum) | $\begin{aligned} & \text { Infiltration } \\ & \text { Rate } \\ & \left(\mathrm{ft}^{2 / 5}\right) \end{aligned}$ | Overilow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 33.300 | 0.0000 | 0.0000 | 81.316 | 4.64412 | 0.00000 | 789605.1 | 543701.7 | 0.0 | S |
| 33.308 | 0.0000 | 0.0000 | 81.314 | 4.63778 | 0.00000 | 789605.1 | 543840.9 | 0.0 | S |
| 33.317 | 0.0000 | 0.0000 | 81.312 | 4.63145 | 0.00000 | 789605.1 | 543979.9 | 0.0 | S |
| 33.325 | 0.0000 | 0.0000 | 81.309 | 4.62515 | 0.00000 | 789605.1 | 544118.8 | 0.0 | S |
| 33.333 | 0.0000 | 0.0000 | 81.307 | 4.61887 | 0.00000 | 789605.1 | 544257.4 | 0.0 | S |
| 33.342 | 0.0000 | 0.0000 | 81.305 | 4.61260 | 0.00000 | 789605.1 | 544395.9 | 0.0 | S |
| 33.350 | 0.0000 | 0.0000 | 81.302 | 4.60636 | 0.00000 | 789605.1 | 544534.3 | 0.0 | S |
| 33.358 | 0.0000 | 0.0000 | 81.300 | 4.60014 | 0.00000 | 789605.1 | 544672.3 | 0.0 | S |
| 33.367 | 0.0000 | 0.0000 | 81.298 | 4.59394 | 0.00000 | 789605.1 | 544810.3 | 0.0 | S |
| 33,375 | 0.0000 | 0.0000 | 81.295 | 4.58775 | 0.00000 | 789605.1 | 544947.9 | 0.0 | S |
| 33.383 | 0.0000 | 0.0000 | 81.293 | 4.58159 | 0.00000 | 789605.1 | 545085.5 | 0.0 | S |
| 33.392 | 0.0000 | 0.0000 | 81.291 | 4.57545 | 0.00000 | 789605.1 | 545222.9 | 0.0 | S |
| 33.400 | 0.0000 | 0.0000 | 81.288 | 4.56932 | 0.00000 | 789605.1 | 545360.0 | 0.0 | S |
| 33.408 | 0.0000 | 0.0000 | 81.286 | 4.56322 | 0.00000 | 789605.1 | 545497.0 | 0.0 | S |
| 33.417 | 0.0000 | 0.0000 | 81.284 | 4.55714 | 0.00000 | 789605.1 | 545633.8 | 0.0 | S |
| 33.425 | 0.0000 | 0.0000 | 81.281 | 4.55107 | 0.00000 | 789605.1 | 545770.4 | 0.0 | S |
| 33.433 | 0.0000 | 0.0000 | 81.279 | 4.54503 | 0.00000 | 789605.1 | 545906.9 | 0.0 | S |
| 33.442 | 0.0000 | 0.0000 | 81.277 | 4.53900 | 0.00000 | 789605.1 | 546043.1 | 0.0 | S |
| 33.450 | 0.0000 | 0.0000 | 81.274 | 4.53299 | 0.00000 | 789605.1 | 546179.3 | 0.0 | S |
| 33.458 | 0.0000 | 0.0000 | 81.272 | 4.52700 | 0.00000 | 789605.1 | 546315.1 | 0.0 | S |
| 33.467 | 0.0000 | 0.0000 | 81.270 | 4.52103 | 0.00000 | 789605.1 | 546450.8 | 0.0 | S |
| 33.475 | 0.0000 | 0.0000 | 81.268 | 4.51508 | 0.00000 | 789605.1 | 546586.4 | 0.0 | S |
| 33.483 | 0.0000 | 0.0000 | 81.265 | 4.50915 | 0.00000 | 789605.1 | 546721.8 | 0.0 | S |
| 33.492 | 0.0000 | 0.0000 | 81.263 | 4.50323 | 0.00000 | 789605.1 | 546856.9 | 0.0 | S |
| 33.500 | 0.0000 | 0.0000 | 81.261 | 4.49733 | 0.00000 | 789605.1 | 546991.9 | 0.0 | S |
| 33.508 | 0.0000 | 0.0000 | 81.258 | 4.49146 | 0.00000 | 789605.1 | 547726.8 | 0.0 | S |
| 33.517 | 0.0000 | 0.0000 | 81.256 | 4.48560 | 0.00000 | 789605.1 | 547261.4 | 0.0 | S |
| 33.525 | 0.0000 | 0.0000 | 81.254 | 4.47975 | 0.00000 | 789605.1 | 547395.9 | 0.0 | S |
| 33.533 | 0.0000 | 0.0000 | 81.252 | 4.47393 | 0.00000 | 789605.1 | 547530.2 | 0.0 | S |
| 33.542 | 0.0000 | 0.0000 | 81.249 | 4.46812 | 0.00000 | 789605.1 | 547664.3 | 0.0 | S |
| 33.550 | 0.0000 | 0.0000 | 81.247 | 4.46233 | 0.00000 | 789605.1 | 547798.3 | 0.0 | S |
| 33.558 | 0.0000 | 0.0000 | 81.245 | 4.45656 | 0.00000 | 789605.1 | 547932.1 | 0.0 | S |
| 33.567 | 0.0000 | 0.0000 | 81.243 | 4.45081 | 0.00000 | 789605.1 | 548065.7 | 0.0 | S |
| 33.575 | 0.0000 | 0.0000 | 81.240 | 4.44507 | 0.00000 | 789605.1 | 548199.1 | 0.0 | S |
| 33.583 | 0.0000 | 0.0000 | 81.238 | 4.43935 | 0.00000 | 789605.1 | 548332.4 | 0.0 | S |
| 33.592 | 0.0000 | 0.0000 | 81.236 | 4.43365 | 0.00000 | 789605.1 | 548465.5 | 0.0 | S |
| 33.600 | 0.0000 | 0.0000 | 81.234 | 4.42796 | 0.00000 | 789605.1 | 548598.4 | 0.0 | S |
| 33.608 | 0.0000 | 0.0000 | 81.231 | 4.42229 | 0.00000 | 789605.1 | 548731.2 | 0.0 | S |
| 33.617 | 0.0000 | 0.0000 | 81.229 | 4.41664 | 0.00000 | 789605.1 | 548863.8 | 0.0 | S |
| 33.625 | 0.0000 | 0.0000 | 81.227 | 4.41101 | 0.00000 | 789605.1 | 548996.2 | 0.0 | S |
| 33.633 | 0.0000 | 0.0000 | 81.225 | 4.40539 | 0.00000 | 789605.1 | 549128.4 | 0.0 | S |
| 33.642 | 0.0000 | 0.0000 | 81.222 | 4.39979 | 0.00000 | 789605.1 | 549260.5 | 0.0 | S |
| 33.650 | 0.0000 | 0.0000 | 81.220 | 4.39420 | 0.00000 | 789605.1 | 549392.4 | 0.0 | S |
| 33.658 | 0.0000 | 0.0000 | 81.218 | 4.38863 | 0.00000 | 789605.1 | 549524.1 | 0.0 | S |
| 33.667 | 0.0000 | 0.0000 | 81.216 | 4.38308 | 0.00000 | 789605.1 | 549655.8 | 0.0 | S |
| 33.675 | 0.0000 | 0.0000 | 81.213 | 4.37755 | 0.00000 | 789605.1 | 549787.1 | 0.0 | S |
| 33.683 | 0.0000 | 0.0000 | 81.211 | 4.37203 | 0.00000 | 789605.1 | 549918.4 | 0.0 | S |
| 33.692 | 0.0000 | 0.0000 | 81.209 | 4.36652 | 0.00000 | 789605.1 | 550049.4 | 0.0 | S |
| 33.700 | 0.0000 | 0.0000 | 81.207 | 4.36104 | 0.00000 | 789605.1 | 550180.4 | 0.0 | S |
| 33.708 | 0.0000 | 0.0000 | 81.204 | 4.35556 | 0.00000 | 789605.1 | 550311.1 | 0.0 | S |
| 33.717 | 0.0000 | 0.0000 | 81.202 | 4.35011 | 0.00000 | 789605.1 | 550441.7 | 0.0 | S |
| 33.725 | 0.0000 | 0.0000 | 81.200 | 4.34467 | 0.00000 | 789605.1 | 550572.1 | 0.0 | S |
| 33.733 | 0.0000 | 0.0000 | 81.198 | 4.33925 | 0.00000 | 789605.1 | 550702.4 | 0.0 | S |
| 33.742 | 0.0000 | 0.0000 | 81.195 | 4.33384 | 0.00000 | 789605.1 | 550832.5 | 0.0 | S |
| 33.750 | 0.0000 | 0.0000 | 81.193 | 4.32845 | 0.00000 | 789605.1 | 550962.4 | 0.0 | S |
| 33.758 | 0.0000 | 0.0000 | 81.191 | 4.32307 | 0.00000 | 789605.1 | 551092.2 | 0.0 | S |
| 33.767 | 0.0000 | 0.0000 | 81.189 | 4.31771 | 0.00000 | 789605.1 | 551221.8 | 0.0 | S |
| 33.775 | 0.0000 | 0.0000 | 81.187 | 4.31236 | 0.00000 | 789605.1 | 551351.3 | 0.0 | S |
| 33.783 | 0.0000 | 0.0000 | 81.184 | 4.30703 | 0.00000 | 789605.1 | 551480.6 | 0.0 | S |
| 33.792 | 0.0000 | 0.0000 | 81.182 | 4.30171 | 0.00000 | 789605.1 | 551609.7 | 0.0 | S |
| 33.800 | 0.0000 | 0.0000 | 81.180 | 4.29641 | 0.00000 | 789605.1 | 551738.6 | 0.0 | S |
| 33.808 | 0.0000 | 0.0000 | 81.178 | 4.29113 | 0.00000 | 789605.1 | 551867.4 | 0.0 | S |
| 33.817 | 0.0000 | 0.0000 | 81.176 | 4.28586 | 0.00000 | 789605.1 | 551996.1 | 0.0 | S |
| 33.825 | 0.0000 | 0.0000 | 81.173 | 4.28060 | 0.00000 | 789605.1 | 552124.6 | 0.0 | S |
| 33.833 | 0.0000 | 0.0000 | 81.171 | 4.27536 | 0.00000 | 789605.1 | 552252.9 | 0.0 | S |
| 33.842 | 0.0000 | 0.0000 | 81.169 | 4.27014 | 0.00000 | 789605.1 | 552381.1 | 0.0 | S |
| 33.850 | 0.0000 | 0.0000 | 81.167 | 4.26493 | 0.00000 | 789605.1 | 552509.1 | 0.0 | S |
| 33.858 | 0.0000 | 0.0000 | 81.165 | 4.25973 | 0.00000 | 789605.1 | 552637.0 | 0.0 | S |
| 33.867 | 0.0000 | 0.0000 | 81.162 | 4.25455 | 0.00000 | 789605.1 | 552764.8 | 0.0 | S |
| 33.875 | 0.0000 | 0.0000 | 81.160 | 4.24939 | 0.00000 | 789605.1 | 552892.3 | 0.0 | S |
| 33.883 | 0.0000 | 0.0000 | 81.158 | 4.24423 | 0.00000 | 789605.1 | 553019.7 | 0.0 | S |
| 33.892 | 0.0000 | 0.0000 | 81.156 | 4.23910 | 0.00000 | 789605.1 | 553146.9 | 0.0 | S |
| 33.900 | 0.0000 | 0.0000 | 81.154 | 4.23397 | 0.00000 | 789605.1 | 553274.1 | 0.0 | S |
| 33.908 | 0.0000 | 0.0000 | 81.152 | 4.22886 | 0.00000 | 789605.1 | 553401.0 | 0.0 | S |

# PONDS Version 3.2.0207 <br> Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E. 

Detailed Results (cont,d.) :: Scenario 1 :: Pond 5100 yr/24 hr

| Elapsed Time (hours) | Inflow Rate (ft's ${ }^{3}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f} \mathrm{H}^{3 / \mathrm{s})}$ | Overlow Discharge ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 33.917 | 0.0000 | 0.0000 | 81.149 | 4.22377 | 0.00000 | 789605.1 | 553527.8 | 0.0 | S |
| 33.925 | 0.0000 | 0.0000 | 81.147 | 4.21869 | 0.00000 | 789605.1 | 553654.4 | 0.0 | S |
| 33.933 | 0.0000 | 0.0000 | 81.145 | 4.27362 | 0.00000 | 789605.1 | 553780.9 | 0.0 | S |
| 33.942 | 0.0000 | 0.0000 | 81.143 | 4.20857 | 0.00000 | 789605.1 | 553907.3 | 0.0 | S |
| 33.950 | 0.0000 | 0.0000 | 81.141 | 4.20354 | 0.00000 | 789605.1 | 554033.4 | 0.0 | S |
| 33.958 | 0.0000 | 0.0000 | 81.139 | 4.19851 | 0.00000 | 789605.1 | 554159.4 | 0.0 | S |
| 33.967 | 0.0000 | 0.0000 | 81.136 | 4.19350 | 0.00000 | 789605.1 | 554285.3 | 0.0 | S |
| 33.975 | 0.0000 | 0.0000 | 81.134 | 4.18851 | 0.00000 | 789605.1 | 554411.1 | 0.0 | S |
| 33.983 | 0.0000 | 0.0000 | 81.132 | 4.18352 | 0.00000 | 789605.1 | 554536.6 | 0.0 | S |
| 33.992 | 0.0000 | 0.0000 | 81.130 | 4.17856 | 0.00000 | 789605.1 | 554662.1 | 0.0 | S |
| 34.000 | 0.0000 | 0.0000 | 81.128 | 4.17360 | 0.00000 | 789605.1 | 554787.3 | 0.0 | S |
| 34.008 | 0.0000 | 0.0000 | 81.126 | 4.16866 | 0.00000 | 789605.1 | 554912.5 | 0.0 | S |
| 34.017 | 0.0000 | 0.0000 | 81.123 | 4.16374 | 0.00000 | 789605.1 | 555037.4 | 0.0 | S |
| 34.025 | 0.0000 | 0.0000 | 81.121 | 4.15882 | 0.00000 | 789605.1 | 555162.3 | 0.0 | S |
| 34.033 | 0.0000 | 0.0000 | 81.119 | 4.15392 | 0.00000 | 789605.1 | 555287.0 | 0.0 | S |
| 34.042 | 0.0000 | 0.0000 | 81.117 | 4.14904 | 0.00000 | 789605.1 | 555411.6 | 0.0 | S |
| 34.050 | 0.0000 | 0.0000 | 81.115 | 4.14416 | 0.00000 | 789605.1 | 555535.9 | 0.0 | S |
| 34.058 | 0.0000 | 0.0000 | 81.113 | 4.13930 | 0.00000 | 789605.1 | 555660.2 | 0.0 | S |
| 34.067 | 0.0000 | 0.0000 | 81.111 | 4.13446 | 0.00000 | 789605.1 | 555784.3 | 0.0 | S |
| 34.075 | 0.0000 | 0.0000 | 81.108 | 4.12963 | 0.00000 | 789605.1 | 555908.3 | 0.0 | S |
| 34.083 | 0.0000 | 0.0000 | 81.106 | 4.12481 | 0.00000 | 789605.1 | 556032.1 | 0.0 | S |
| 34.092 | 0.0000 | 0.0000 | 81.104 | 4.12000 | 0.00000 | 789605.1 | 556155.8 | 0.0 | S |
| 34.100 | 0.0000 | 0.0000 | 81.102 | 4.11521 | 0.00000 | 789605.1 | 556279.3 | 0.0 | S |
| 34.108 | 0.0000 | 0.0000 | 81.100 | 4.11043 | 0.00000 | 789605.1 | 556402.6 | 0.0 | S |
| 34.117 | 0.0000 | 0.0000 | 81.098 | 4.10566 | 0.00000 | 789605.1 | 556525.9 | 0.0 | S |
| 34.125 | 0.0000 | 0.0000 | 81.096 | 4.10091 | 0.00000 | 789605.1 | 556649.0 | 0.0 | S |
| 34.133 | 0.0000 | 0.0000 | 81.094 | 4.09617 | 0.00000 | 789605.1 | 556771.9 | 0.0 | S |
| 34.142 | 0.0000 | 0.0000 | 81.091 | 4.09144 | 0.00000 | 789605.1 | 556894.8 | 0.0 | S |
| 34.150 | 0.0000 | 0.0000 | 81.089 | 4.08672 | 0.00000 | 789605.1 | 557017.4 | 0.0 | S |
| 34.158 | 0.0000 | 0.0000 | 81.087 | 4.08202 | 0.00000 | 789605.1 | 557139.9 | 0.0 | S |
| 34.167 | 0.0000 | 0.0000 | 81.085 | 4.07733 | 0.00000 | 789605.1 | 557262.4 | 0.0 | S |
| 34.175 | 0.0000 | 0.0000 | 81.083 | 4.07265 | 0.00000 | 789605.1 | 557384.6 | 0.0 | S |
| 34.183 | 0.0000 | 0.0000 | 81.081 | 4.06799 | 0.00000 | 789605.1 | 557506.7 | 0.0 | S |
| 34.192 | 0.0000 | 0.0000 | 81.079 | 4.06334 | 0.00000 | 789605.1 | 557628.7 | 0.0 | S |
| 34.200 | 0.0000 | 0.0000 | 81.077 | 4.05870 | 0.00000 | 789605.1 | 557750.5 | 0.0 | S |
| 34.208 | 0.0000 | 0.0000 | 81.074 | 4.05407 | 0.00000 | 789605.1 | 557872.2 | 0.0 | S |
| 34.217 | 0.0000 | 0.0000 | 81.072 | 4.04946 | 0.00000 | 789605.1 | 557993.8 | 0.0 | S |
| 34.225 | 0.0000 | 0.0000 | 81.070 | 4.04486 | 0.00000 | 789605.1 | 558115.2 | 0.0 | S |
| 34.233 | 0,0000 | 0.0000 | 81.068 | 4.04027 | 0.00000 | 789605.1 | 558236.4 | 0.0 | S |
| 34.242 | 0.0000 | 0.0000 | 81.066 | 4.03569 | 0.00000 | 789605.1 | 558357.6 | 0.0 | S |
| 34.250 | 0.0000 | 0.0000 | 81.064 | 4.03113 | 0.00000 | 789605.1 | 558478.6 | 0.0 | S |
| 34.258 | 0.0000 | 0.0000 | 81.062 | 4.02658 | 0.00000 | 789605.1 | 558599.4 | 0.0 | S |
| 34.267 | 0.0000 | 0.0000 | 81.060 | 4.02204 | 0.00000 | 789605.1 | 558720.2 | 0.0 | S |
| 34.275 | 0.0000 | 0.0000 | 81.058 | 4.01751 | 0.00000 | 789605.1 | 558840.8 | 0.0 | S |
| 34.283 | 0.0000 | 0.0000 | 81.056 | 4.01299 | 0.00000 | 789605.1 | 558961.3 | 0.0 | S |
| 34.292 | 0.0000 | 0.0000 | 81.053 | 4.00849 | 0.00000 | 789605.1 | 559081.6 | 0.0 | S |
| 34.300 | 0.0000 | 0.0000 | 81.051 | 4.00400 | 0.00000 | 789605.1 | 559201.8 | 0.0 | S |
| 34.308 | 0.0000 | 0.0000 | 81.049 | 3.99952 | 0.00000 | 789605.7 | 559321.8 | 0.0 | S |
| 34.317 | 0.0000 | 0.0000 | 81.047 | 3.99505 | 0.00000 | 789605.7 | 559441.8 | 0.0 | S |
| 34.325 | 0.0000 | 0.0000 | 81.045 | 3.99060 | 0.00000 | 789605.1 | 559561.5 | 0.0 | S |
| 34.333 | 0.0000 | 0.0000 | 81.043 | 3.98615 | 0.00000 | 789605.1 | 559681.2 | 0.0 | S |
| 34.342 | 0.0000 | 0.0000 | 81.041 | 3.98172 | 0.00000 | 789605.1 | 559800.7 | 0.0 | S |
| 34.350 | 0.0000 | 0.0000 | 81.039 | 3.97730 | 0.00000 | 789605.1 | 559920.1 | 0.0 | S |
| 34.358 | 0.0000 | 0.0000 | 81.037 | 3.97289 | 0.00000 | 789605.1 | 560039.3 | 0.0 | S |
| 34.367 | 0.0000 | 0.0000 | 81.035 | 3.96849 | 0.00000 | 789605.1 | 560158.4 | 0.0 | S |
| 34.375 | 0.0000 | 0.0000 | 81.033 | 3.96411 | 0.00000 | 789605.1 | 560277.4 | 0.0 | S |
| 34.383 | 0.0000 | 0.0000 | 81.031 | 3.95973 | 0.00000 | 789605.1 | 560396.3 | 0.0 | S |
| 34.392 | 0.0000 | 0.0000 | 81.029 | 3.95537 | 0.00000 | 789605.1 | 560515.0 | 0.0 | S |
| 34.400 | 0.0000 | 0.0000 | 81.026 | 3.95102 | 0.00000 | 789605.1 | 560633.6 | 0.0 | S |
| 34.408 | 0.0000 | 0.0000 | 81.024 | 3.94668 | 0.00000 | 789605.1 | 560752.1 | 0.0 | S |
| 34.417 | 0.0000 | 0.0000 | 81.022 | 3.94235 | 0.00000 | 789605.1 | 560870.4 | 0.0 | S |
| 34.425 | 0.0000 | 0.0000 | 81.020 | 3.93804 | 0.00000 | 789605.1 | 560988.6 | 0.0 | S |
| 34.433 | 0.0000 | 0.0000 | 81.018 | 3.93373 | 0.00000 | 789605.1 | 561106.7 | 0.0 | S |
| 34.442 | 0.0000 | 0.0000 | 81.016 | 3.92944 | 0.00000 | 789605.1 | 561224.6 | 0.0 | S |
| 34.450 | 0.0000 | 0.0000 | 81.014 | 3.92516 | 0.00000 | 789605.1 | 561342.4 | 0.0 | S |
| 34.458 | 0.0000 | 0.0000 | 81.012 | 3.92088 | 0.00000 | 789605.1 | 561460.1 | 0.0 | S |
| 34.467 | 0.0000 | 0.0000 | 81.010 | 3.91662 | 0.00000 | 789605.1 | 561577.7 | 0.0 | S |
| 34.475 | 0.0000 | 0.0000 | 81.008 | 3.91237 | 0.00000 | 789605.1 | 561695.1 | 0.0 | S |
| 34.483 | 0.0000 | 0.0000 | 81.006 | 3.90814 | 0.00000 | 789605.1 | 561812.4 | 0.0 | S |
| 34.492 | 0.0000 | 0.0000 | 81.004 | 3.90391 | 0.00000 | 789605.1 | 561929.6 | 0.0 | S |
| 34.500 | 0.0000 | 0.0000 | 81.002 | 3.89969 | 0.00000 | 789605.1 | 562046.7 | 0.0 | S |
| 34.508 | 0.0000 | 0.0000 | 81.000 | 3.89549 | 0.00000 | 789605.1 | 562163.6 | 0.0 | S |
| 34.517 | 0.0000 | 0.0000 | 80.998 | 3.89129 | 0.00000 | 789605.1 | 562280.4 | 0.0 | S |
| 34.525 | 0.0000 | 0.0000 | 80.996 | 3.88711 | 0.00000 | 789605.1 | 562397.1 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (fi/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 34.533 | 0.0000 | 0.0000 | 80.994 | 3.88293 | 0.00000 | 789605.1 | 562513.6 | 0.0 | S |
| 34.542 | 0.0000 | 0.0000 | 80.992 | 3.87877 | 0.00000 | 789605.1 | 562630.1 | 0.0 | S |
| 34.550 | 0.0000 | 0.0000 | 80.990 | 3.87462 | 0.00000 | 789605.1 | 562746.4 | 0.0 | S |
| 34.558 | 0.0000 | 0.0000 | 80.988 | 3.87048 | 0.00000 | 789605.1 | 562862.6 | 0.0 | S |
| 34.567 | 0.0000 | 0.0000 | 80.986 | 3.86635 | 0.00000 | 789605.1 | 562978.6 | 0.0 | S |
| 34.575 | 0.0000 | 0.0000 | 80.983 | 3.86223 | 0.00000 | 789605.1 | 563094.5 | 0.0 | S |
| 34.583 | 0.0000 | 0.0000 | 80.981 | 3.85812 | 0.00000 | 789605.1 | 563210.3 | 0.0 | S |
| 34.592 | 0.0000 | 0.0000 | 80.979 | 3.85402 | 0.00000 | 789605.1 | 563326.0 | 0.0 | S |
| 34.600 | 0.0000 | 0.0000 | 80.977 | 3.84993 | 0.00000 | 789605.1 | 563441.6 | 0.0 | S |
| 34.608 | 0.0000 | 0.0000 | 80.975 | 3.84586 | 0.00000 | 789605.1 | 563557.0 | 0.0 | S |
| 34.617 | 0.0000 | 0.0000 | 80.973 | 3.84179 | 0.00000 | 789605.1 | 563672.3 | 0.0 | S |
| 34.625 | 0.0000 | 0.0000 | 80.971 | 3.83773 | 0.00000 | 789605.1 | 563787.5 | 0.0 | S |
| 34.633 | 0.0000 | 0.0000 | 80.969 | 3.83368 | 0.00000 | 789605.1 | 563902.6 | 0.0 | S |
| 34.642 | 0.0000 | 0.0000 | 80.967 | 3.82965 | 0.00000 | 789605.1 | 564017.6 | 0.0 | S |
| 34.650 | 0.0000 | 0.0000 | 80.965 | 3.82562 | 0.00000 | 789605.1 | 564132.4 | 0.0 | S |
| 34.658 | 0.0000 | 0.0000 | 80.963 | 3.82161 | 0.00000 | 789605.1 | 564247.1 | 0.0 | S |
| 34.667 | 0.0000 | 0.0000 | 80.961 | 3.81760 | 0.00000 | 789605.1 | 564361.7 | 0.0 | S |
| 34.675 | 0.0000 | 0.0000 | 80.959 | 3.81360 | 0.00000 | 789605.1 | 564476.1 | 0.0 | S |
| 34.683 | 0.0000 | 0.0000 | 80.957 | 3.80962 | 0.00000 | 789605.1 | 564590.5 | 0.0 | S |
| 34.692 | 0.0000 | 0.0000 | 80.955 | 3.80564 | 0.00000 | 789605.1 | 564704.7 | 0.0 | S |
| 34.700 | 0.0000 | 0.0000 | 80.953 | 3.80168 | 0.00000 | 789605.1 | 564818.8 | 0.0 | S |
| 34.708 | 0.0000 | 0.0000 | 80.951 | 3.79772 | 0.00000 | 789605.1 | 564932.8 | 0.0 | S |
| 34.717 | 0.0000 | 0.0000 | 80.949 | 3.79377 | 0.00000 | 789605.1 | 565046.7 | 0.0 | S |
| 34.725 | 0.0000 | 0.0000 | 80.947 | 3.78984 | 0.00000 | 789605.1 | 565160.4 | 0.0 | S |
| 34.733 | 0.0000 | 0.0000 | 80.945 | 3.78591 | 0.00000 | 789605.1 | 565274.1 | 0.0 | S |
| 34.742 | 0.0000 | 0.0000 | 80.943 | 3.78199 | 0.00000 | 789605.1 | 565387.6 | 0.0 | S |
| 34.750 | 0.0000 | 0.0000 | 80.941 | 3.77809 | 0.00000 | 789605.1 | 565501.0 | 0.0 | S |
| 34.758 | 0.0000 | 0.0000 | 80.939 | 3.77419 | 0.00000 | 789605.1 | 565614.3 | 0.0 | S |
| 34.767 | 0.0000 | 0.0000 | 80.937 | 3.77030 | 0.00000 | 789605.1 | 565727.4 | 0.0 | S |
| 34.775 | 0.0000 | 0.0000 | 80.935 | 3.76642 | 0.00000 | 789605.1 | 565840.5 | 0.0 | S |
| 34.783 | 0.0000 | 0.0000 | 80.933 | 3.76256 | 0.00000 | 789605.1 | 565953.4 | 0.0 | S |
| 34.792 | 0.0000 | 0.0000 | 80.931 | 3.75870 | 0.00000 | 789605.1 | 566066.3 | 0.0 | S |
| 34.800 | 0.0000 | 0.0000 | 80.929 | 3.75485 | 0.00000 | 789605.1 | 566178.9 | 0.0 | S |
| 34.808 | 0.0000 | 0.0000 | 80.927 | 3.75101 | 0.00000 | 789605.1 | 566291.5 | 0.0 | S |
| 34.817 | 0.0000 | 0.0000 | 80.925 | 3.74718 | 0.00000 | 789605.1 | 566404.0 | 0.0 | S |
| 34.825 | 0.0000 | 0.0000 | 80.923 | 3.74336 | 0.00000 | 789605.1 | 566516.4 | 0.0 | S |
| 34.833 | 0.0000 | 0.0000 | 80.921 | 3.73954 | 0.00000 | 789605.1 | 566628.6 | 0.0 | S |
| 34.842 | 0.0000 | 0.0000 | 80.919 | 3.73574 | 0.00000 | 789605.1 | 566740.8 | 0.0 | S |
| 34.850 | 0.0000 | 0.0000 | 80.917 | 3.73195 | 0.00000 | 789605.1 | 566852.8 | 0.0 | S |
| 34.858 | 0.0000 | 0.0000 | 80.915 | 3.72816 | 0.00000 | 789605.1 | 566964.6 | 0.0 | S |
| 34.867 | 0.0000 | 0.0000 | 80.913 | 3.72439 | 0.00000 | 789605.1 | 567076.4 | 0.0 | S |
| 34.875 | 0.0000 | 0.0000 | 80.911 | 3.72062 | 0.00000 | 789605.1 | 567188.1 | 0.0 | S |
| 34.883 | 0.0000 | 0.0000 | 80.909 | 3.71687 | 0.00000 | 789605.1 | 567299.7 | 0.0 | S |
| 34.892 | 0.0000 | 0.0000 | 80.907 | 3.71312 | 0.00000 | 789605.1 | 567411.1 | 0.0 | S |
| 34.900 | 0.0000 | 0.0000 | 80.905 | 3.70938 | 0.00000 | 789605.1 | 567522.4 | 0.0 | S |
| 34.908 | 0.0000 | 0.0000 | 80.904 | 3.70565 | 0.00000 | 789605.1 | 567633.7 | 0.0 | S |
| 34.917 | 0.0000 | 0.0000 | 80.902 | 3.70193 | 0.00000 | 789605.1 | 567744.8 | 0.0 | S |
| 34.925 | 0.0000 | 0.0000 | 80.900 | 3.69822 | 0.00000 | 789605.1 | 567855.8 | 0.0 | S |
| 34.933 | 0.0000 | 0.0000 | 80.898 | 3.69452 | 0,00000 | 789605.1 | 567966.7 | 0.0 | S |
| 34.942 | 0.0000 | 0.0000 | 80.896 | 3.69083 | 0.00000 | 789605.1 | 568077.5 | 0.0 | S |
| 34.950 | 0.0000 | 0.0000 | 80.894 | 3.68714 | 0.00000 | 789605.1 | 568188.1 | 0.0 | S |
| 34.958 | 0.0000 | 0.0000 | 80.892 | 3.68346 | 0.00000 | 789605.1 | 568298.7 | 0.0 | S |
| 34.967 | 0.0000 | 0.0000 | 80.890 | 3.67980 | 0.00000 | 789605.1 | 568409.1 | 0.0 | S |
| 34.975 | 0.0000 | 0.0000 | 80.888 | 3.67614 | 0.00000 | 789605.1 | 568519.5 | 0.0 | S |
| 34.983 | 0.0000 | 0.0000 | 80.886 | 3.67249 | 0.00000 | 789605.1 | 568629.8 | 0.0 | S |
| 34.992 | 0.0000 | 0.0000 | 80.884 | 3.66885 | 0.00000 | 789605.1 | 568739.8 | 0.0 | S |
| 35.000 | 0.0000 | 0.0000 | 80.882 | 3.66522 | 0.00000 | 789605.1 | 568849.9 | 0.0 | S |
| 35.008 | 0.0000 | 0.0000 | 80.880 | 3.66159 | 0.00000 | 789605.1 | 568959.8 | 0.0 | S |
| 35.017 | 0.0000 | 0.0000 | 80.878 | 3.65798 | 0.00000 | 789605.1 | 569069.6 | 0.0 | S |
| 35.025 | 0.0000 | 0.0000 | 80.876 | 3.65437 | 0.00000 | 789605.1 | 569179.3 | 0.0 | S |
| 35.033 | 0.0000 | 0.0000 | 80.874 | 3.65077 | 0.00000 | 789605.1 | 569288.8 | 0.0 | S |
| 35.042 | 0.0000 | 0.0000 | 80.872 | 3.64718 | 0.00000 | 789605.1 | 569398.3 | 0.0 | S |
| 35.050 | 0.0000 | 0.0000 | 80.870 | 3.64360 | 0.00000 | 789605.1 | 569507.6 | 0.0 | S |
| 35.058 | 0.0000 | 0.0000 | 80.868 | 3.64003 | 0.00000 | 789605.1 | 569616.9 | 0.0 | S |
| 35.067 | 0.0000 | 0.0000 | 80.866 | 3.63647 | 0.00000 | 789605.1 | 569726.1 | 0.0 | S |
| 35.075 | 0.0000 | 0.0000 | 80.864 | 3.63291 | 0.00000 | 789605.1 | 569835.1 | 0.0 | S |
| 35.083 | 0.0000 | 0.0000 | 80.863 | 3.62936 | 0.00000 | 789605.1 | 569944.0 | 0.0 | S |
| 35.092 | 0.0000 | 0.0000 | 80.861 | 3.62582 | 0.00000 | 789605.1 | 570052.9 | 0.0 | S |
| 35.100 | 0.0000 | 0.0000 | 80.859 | 3.62229 | 0.00000 | 789605.1 | 570161.6 | 0.0 | 5 |
| 35.108 | 0.0000 | 0.0000 | 80.857 | 3.61877 | 0.00000 | 789605.1 | 570270.2 | 0.0 | S |
| 35.117 | 0.0000 | 0.0000 | 80.855 | 3.61526 | 0.00000 | 789605.1 | 570378.7 | 0.0 | S |
| 35.125 | 0.0000 | 0.0000 | 80.853 | 3.61175 | 0.00000 | 789605.1 | 570487.1 | 0.0 | S |
| 35.133 | 0.0000 | 0.0000 | 80.851 | 3.60825 | 0.00000 | 789605.1 | 570595.4 | 0.0 | S |
| 35.142 | 0.0000 | 0.0000 | 80.849 | 3.60476 | 0.00000 | 789605.1 | 570703.6 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 5100 yr / 24 hr

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 35.150 | 0.0000 | 0.0000 | 80.847 | 3.60128 | 0.00000 | 789605.1 | 570811.7 | 0.0 | S |
| 35.158 | 0.0000 | 0.0000 | 80.845 | 3.59780 | 0.00000 | 789605.1 | 570919.7 | 0.0 | S |
| 35.167 | 0.0000 | 0.0000 | 80.843 | 3.59434 | 0.00000 | 789605.1 | 571027.6 | 0.0 | S |
| 35.175 | 0.0000 | 0.0000 | 80.841 | 3.59088 | 0.00000 | 789605.1 | 571135.3 | 0.0 | S |
| 35.183 | 0.0000 | 0.0000 | 80.839 | 3.58743 | 0.00000 | 789605.1 | 571243.0 | 0.0 | S |
| 35.192 | 0.0000 | 0.0000 | 80.837 | 3.58399 | 0.00000 | 789605.1 | 571350.6 | 0.0 | S |
| 35.200 | 0.0000 | 0.0000 | 80.836 | 3.58055 | 0.00000 | 789605.1 | 571458.1 | 0.0 | S |
| 35.208 | 0.0000 | 0.0000 | 80.834 | 3.57713 | 0.00000 | 789605.1 | 571565.4 | 0.0 | S |
| 35.217 | 0.0000 | 0.0000 | 80.832 | 3.57371 | 0.00000 | 789605.1 | 571672.7 | 0.0 | S |
| 35.225 | 0.0000 | 0.0000 | 80.830 | 3.57030 | 0.00000 | 789605.1 | 571779.8 | 0.0 | S |
| 35.233 | 0.0000 | 0.0000 | 80.828 | 3.56690 | 0.00000 | 789605.1 | 571886.9 | 0.0 | S |
| 35.242 | 0.0000 | 0.0000 | 80.826 | 3.56350 | 0.00000 | 789605.1 | 571993.9 | 0.0 | S |
| 35.250 | 0.0000 | 0.0000 | 80.824 | 3.56011 | 0.00000 | 789605.1 | 572100.7 | 0.0 | S |
| 35.258 | 0.0000 | 0.0000 | 80.822 | 3.55673 | 0.00000 | 789605.1 | 572207.4 | 0.0 | S |
| 35.267 | 0.0000 | 0.0000 | 80.820 | 3.55336 | 0.00000 | 789605.1 | 572314.1 | 0.0 | S |
| 35.275 | 0.0000 | 0.0000 | 80.818 | 3.55000 | 0.00000 | 789605.1 | 572420.6 | 0.0 | S |
| 35.283 | 0.0000 | 0.0000 | 80.816 | 3.54664 | 0.00000 | 789605.1 | 572527.1 | 0.0 | S |
| 35.292 | 0.0000 | 0.0000 | 80.814 | 3.54329 | 0.00000 | 789605.1 | 572633.4 | 0.0 | S |
| 35.300 | 0.0000 | 0.0000 | 80.813 | 3.53995 | 0.00000 | 789605.1 | 572739.7 | 0.0 | S |
| 35.308 | 0.0000 | 0.0000 | 80.811 | 3.53662 | 0.00000 | 789605.1 | 572845.9 | 0.0 | S |
| 35.317 | 0.0000 | 0.0000 | 80.809 | 3.53329 | 0.00000 | 789605.1 | 572951.9 | 0.0 | S |
| 35.325 | 0.0000 | 0.0000 | 80.807 | 3.52997 | 0.00000 | 789605.1 | 573057.9 | 0.0 | S |
| 35.333 | 0.0000 | 0.0000 | 80.805 | 3.52666 | 0.00000 | 789605.1 | 573163.7 | 0.0 | S |
| 35.342 | 0.0000 | 0.0000 | 80.803 | 3.52335 | 0.00000 | 789605.1 | 573269.4 | 0.0 | S |
| 35.350 | 0.0000 | 0.0000 | 80.801 | 3.52006 | 0.00000 | 789605.1 | 573375.1 | 0.0 | S |
| 35.358 | 0.0000 | 0.0000 | 80.799 | 3.51677 | 0.00000 | 789605.1 | 573480.6 | 0.0 | S |
| 35.367 | 0.0000 | 0.0000 | 80.797 | 3.51348 | 0.00000 | 789605.1 | 573586.1 | 0.0 | S |
| 35.375 | 0.0000 | 0.0000 | 80.796 | 3.51021 | 0.00000 | 789605.1 | 573691.4 | 0.0 | S |
| 35.383 | 0.0000 | 0.0000 | 80.794 | 3.50694 | 0.00000 | 789605.1 | 573796.7 | 0.0 | S |
| 35.392 | 0.0000 | 0.0000 | 80.792 | 3.50368 | 0.00000 | 789605.1 | 573901.9 | 0.0 | S |
| 35.400 | 0.0000 | 0.0000 | 80.790 | 3.50043 | 0.00000 | 789605.1 | 574006.9 | 0.0 | S |
| 35.408 | 0.0000 | 0.0000 | 80.788 | 3.49718 | 0.00000 | 789605.1 | 574111.9 | 0.0 | S |
| 35.417 | 0.0000 | 0.0000 | 80.786 | 3.49394 | 0.00000 | 789605.1 | 574216.8 | 0.0 | S |
| 35.425 | 0.0000 | 0.0000 | 80.784 | 3.49071 | 0.00000 | 789605.1 | 574321.6 | 0.0 | S |
| 35.433 | 0.0000 | 0.0000 | 80.782 | 3.48749 | 0.00000 | 789605.1 | 574426.2 | 0.0 | S |
| 35.442 | 0.0000 | 0.0000 | 80.780 | 3.48427 | 0.00000 | 789605.1 | 574530.8 | 0.0 | S |
| 35.450 | 0.0000 | 0.0000 | 80.779 | 3.48106 | 0.00000 | 789605.1 | 574635.3 | 0.0 | S |
| 35.458 | 0.0000 | 0.0000 | 80.777 | 3.47786 | 0.00000 | 789605.1 | 574739.6 | 0.0 | S |
| 35.467 | 0.0000 | 0.0000 | 80.775 | 3.47466 | 0.00000 | 789605.1 | 574843.9 | 0.0 | S |
| 35.475 | 0.0000 | 0.0000 | 80.773 | 3.47147 | 0.00000 | 789605.1 | 574948.1 | 0.0 | S |
| 35.483 | 0.0000 | 0.0000 | 80.771 | 3.46829 | 0.00000 | 789605.1 | 575052.3 | 0.0 | S |
| 35.492 | 0.0000 | 0.0000 | 80.769 | 3.46511 | 0.00000 | 789605.1 | 575156.3 | 0.0 | S |
| 35.500 | 0.0000 | 0.0000 | 80.767 | 3.46195 | 0.00000 | 789605.1 | 575260.1 | 0.0 | S |
| 35.508 | 0.0000 | 0.0000 | 80.765 | 3.45878 | 0.00000 | 789605.1 | 575363.9 | 0.0 | S |
| 35.517 | 0.0000 | 0.0000 | 80.764 | 3.45563 | 0.00000 | 789605.1 | 575467.7 | 0.0 | S |
| 35.525 | 0.0000 | 0.0000 | 80.762 | 3.45248 | 0.00000 | 789605.1 | 575571.3 | 0.0 | S |
| 35.533 | 0.0000 | 0.0000 | 80.760 | 3.44934 | 0.00000 | 789605.1 | 575674.8 | 0.0 | S |
| 35.542 | 0.0000 | 0.0000 | 80.758 | 3.44621 | 0.00000 | 789605.1 | 575778.3 | 0.0 | S |
| 35.550 | 0.0000 | 0.0000 | 80.756 | 3.44308 | 0.00000 | 789605.1 | 575881.6 | 0.0 | S |
| 35.558 | 0.0000 | 0.0000 | 80.754 | 3.43996 | 0.00000 | 789605.1 | 575984.8 | 0.0 | S |
| 35.567 | 0.0000 | 0.0000 | 80.752 | 3.43685 | 0.00000 | 789605.1 | 576088.0 | 0.0 | S |
| 35.575 | 0.0000 | 0.0000 | 80.750 | 3.43374 | 0.00000 | 789605.1 | 576191.1 | 0.0 | S |
| 35.583 | 0.0000 | 0.0000 | 80.749 | 3.43064 | 0.00000 | 789605.1 | 576294.0 | 0.0 | S |
| 35.592 | 0.0000 | 0.0000 | 80.747 | 3.42754 | 0.00000 | 789605.1 | 576396.9 | 0.0 | S |
| 35.600 | 0.0000 | 0.0000 | 80.745 | 3.42446 | 0.00000 | 789605.1 | 576499.6 | 0.0 | S |
| 35.608 | 0.0000 | 0.0000 | 80.743 | 3.42138 | 0.00000 | 789605.1 | 576602.3 | 0.0 | S |
| 35.617 | 0.0000 | 0.0000 | 80.741 | 3.41830 | 0.00000 | 789605.1 | 576704.9 | 0.0 | S |
| 35.625 | 0.0000 | 0.0000 | 80.739 | 3.41523 | 0.00000 | 789605.1 | 576807.4 | 0.0 | S |
| 35.633 | 0.0000 | 0.0000 | 80.737 | 3.41217 | 0.00000 | 789605.1 | 576909.9 | 0.0 | S |
| 35.642 | 0.0000 | 0.0000 | 80.736 | 3.40912 | 0.00000 | 789605.1 | 577012.2 | 0.0 | S |
| 35.650 | 0.0000 | 0.0000 | 80.734 | 3.40607 | 0.00000 | 789605.1 | 577114.4 | 0.0 | S |
| 35.658 | 0.0000 | 0.0000 | 80.732 | 3.40303 | 0.00000 | 789605.1 | 577216.6 | 0.0 | S |
| 35.667 | 0.0000 | 0.0000 | 80.730 | 3.39999 | 0.00000 | 789605.1 | 577318.6 | 0.0 | S |
| 35.675 | 0.0000 | 0.0000 | 80.728 | 3.39697 | 0.00000 | 789605.1 | 577420.6 | 0.0 | S |
| 35.683 | 0.0000 | 0.0000 | 80.726 | 3.39394 | 0.00000 | 789605.1 | 577522.4 | 0.0 | S |
| 35.692 | 0.0000 | 0.0000 | 80.725 | 3.39093 | 0.00000 | 789605.1 | 577624.2 | 0.0 | S |
| 35.700 | 0.0000 | 0.0000 | 80.723 | 3.38792 | 0.00000 | 789605.1 | 577725.9 | 0.0 | S |
| 35.708 | 0.0000 | 0.0000 | 80.721 | 3.38491 | 0.00000 | 789605.1 | 577827.4 | 0.0 | S |
| 35.717 | 0.0000 | 0.0000 | 80.719 | 3.38192 | 0.00000 | 789605.1 | 577928.9 | 0.0 | S |
| 35.725 | 0.0000 | 0.0000 | 80.717 | 3.37893 | 0.00000 | 789605.1 | 578030.4 | 0.0 | S |
| 35.733 | 0.0000 | 0.0000 | 80.715 | 3.37594 | 0.00000 | 789605.1 | 578131.7 | 0.0 | S |
| 35.742 | 0.0000 | 0.0000 | 80.714 | 3.37296 | 0.00000 | 789605.1 | 578232.9 | 0.0 | S |
| 35.750 | 0.0000 | 0.0000 | 80.712 | 3.36999 | 0.00000 | 789605.1 | 578334.1 | 0.0 | S |
| 35.758 | 0.0000 | 0.0000 | 80.710 | 3.36703 | 0.00000 | 789605.1 | 578435.1 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario $1::$ Pond $5100 \mathrm{gr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3 / 5}$ ) | Overflow <br> Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Voiume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 35.767 | 0.0000 | 0.0000 | 80.708 | 3.36407 | 0.00000 | 789605.1 | 578536.1 | 0.0 | S |
| 35.775 | 0.0000 | 0.0000 | 80.706 | 3.36111 | 0.00000 | 789605.1 | 578636.9 | 0.0 | S |
| 35.783 | 0.0000 | 0.0000 | 80.704 | 3.35817 | 0.00000 | 789605.1 | 578737.8 | 0.0 | S |
| 35.792 | 0.0000 | 0.0000 | 80.703 | 3.35522 | 0.00000 | 789605.1 | 578838.4 | 0.0 | S |
| 35.800 | 0.0000 | 0.0000 | 80.701 | 3.35229 | 0.00000 | 789605.1 | 578939.1 | 0.0 | S |
| 35,808 | 0.0000 | 0.0000 | 80.699 | 3.34936 | 0.00000 | 789605.1 | 579039.6 | 0.0 | S |
| 35.817 | 0.0000 | 0.0000 | 80.697 | 3.34644 | 0.00000 | 789605.1 | 579140.0 | 0.0 | S |
| 35.825 | 0.0000 | 0.0000 | 80.695 | 3.34352 | 0.00000 | 789605.1 | 579240.4 | 0.0 | S |
| 35.833 | 0.0000 | 0.0000 | 80.693 | 3.34061 | 0.00000 | 789605.1 | 579340.6 | 0.0 | S |
| 35.842 | 0.0000 | 0.0000 | 80.692 | 3.33770 | 0.00000 | 789605.1 | 579440.8 | 0.0 | S |
| 35.850 | 0.0000 | 0.0000 | 80.690 | 3.33480 | 0.00000 | 789605.1 | 579540.9 | 0.0 | S |
| 35.858 | 0.0000 | 0.0000 | 80.688 | 3.33191 | 0.00000 | 789605.1 | 579640.9 | 0.0 | S |
| 35.867 | 0.0000 | 0.0000 | 80.686 | 3.32902 | 0.00000 | 789605.1 | 579740.8 | 0.0 | S |
| 35.875 | 0.0000 | 0.0000 | 80.684 | 3.32614 | 0.00000 | 789605.1 | 579840.6 | 0.0 | S |
| 35.883 | 0.0000 | 0.0000 | 80.682 | 3.32327 | 0.00000 | 789605.1 | 579940.4 | 0.0 | S |
| 35.892 | 0.0000 | 0.0000 | 80.681 | 3.32040 | 0.00000 | 789605.1 | 580040.1 | 0.0 | S |
| 35.900 | 0.0000 | 0.0000 | 80.679 | 3.31753 | 0.00000 | 789605.1 | 580139.6 | 0.0 | S |
| 35.908 | 0.0000 | 0.0000 | 80.677 | 3.31467 | 0.00000 | 789605.1 | 580239.1 | 0.0 | S |
| 35.917 | 0.0000 | 0.0000 | 80.675 | 3.31182 | 0.00000 | 789605.1 | 580338.5 | 0.0 | S |
| 35.925 | 0.0000 | 0.0000 | 80.673 | 3.30898 | 0.00000 | 789605.1 | 580437.8 | 0.0 | S |
| 35.933 | 0.0000 | 0.0000 | 80.672 | 3.30613 | 0.00000 | 789605.1 | 580537.0 | 0.0 | S |
| 35.942 | 0.0000 | 0.0000 | 80.670 | 3.30330 | 0.00000 | 789605.1 | 580636.2 | 0.0 | S |
| 35.950 | 0.0000 | 0.0000 | 80.668 | 3.30047 | 0.00000 | 789605.1 | 580735.3 | 0.0 | S |
| 35.958 | 0.0000 | 0.0000 | 80.666 | 3.29765 | 0.00000 | 789605.1 | 580834.2 | 0.0 | S |
| 35.967 | 0.0000 | 0.0000 | 80.664 | 3.29483 | 0.00000 | 789605.1 | 580933.1 | 0.0 | S |
| 35.975 | 0.0000 | 0.0000 | 80.663 | 3.29202 | 0.00000 | 789605.1 | 581031.9 | 0.0 | S |
| 35.983 | 0.0000 | 0.0000 | 80.661 | 3.28921 | 0.00000 | 789605.1 | 581130.6 | 0.0 | S |
| 35.992 | 0.0000 | 0.0000 | 80.659 | 3.28641 | 0.00000 | 789605.1 | 581229.3 | 0.0 | S |
| 36.000 | 0.0000 | 0.0000 | 80.657 | 3.28361 | 0.00000 | 789605.1 | 581327.8 | 0.0 | S |
| 36.008 | 0.0000 | 0.0000 | 80.655 | 3.28082 | 0.00000 | 789605.1 | 581426.3 | 0.0 | S |
| 36.017 | 0.0000 | 0.0000 | 80.654 | 3.27804 | 0.00000 | 789605.1 | 581524.6 | 0.0 | S |
| 36.025 | 0.0000 | 0.0000 | 80.652 | 3.27526 | 0.00000 | 789605.1 | 581622.9 | 0.0 | S |
| 36.033 | 0.0000 | 0.0000 | 80.650 | 3.27249 | 0.00000 | 789605.1 | 581721.1 | 0.0 | S |
| 36.042 | 0.0000 | 0.0000 | 80.648 | 3.26972 | 0.00000 | 789605.1 | 581819.3 | 0.0 | S |
| 36.050 | 0.0000 | 0.0000 | 80.646 | 3.26696 | 0.00000 | 789605.1 | 581917.3 | 0.0 | S |
| 36.058 | 0.0000 | 0.0000 | 80.645 | 3.26420 | 0.00000 | 789605.1 | 582015.3 | 0.0 | S |
| 36.067 | 0.0000 | 0.0000 | 80.643 | 3.26145 | 0.00000 | 789605.1 | 582113.2 | 0.0 | S |
| 36.075 | 0.0000 | 0.0000 | 80.641 | 3.25870 | 0.00000 | 789605.1 | 582211.0 | 0.0 | S |
| 36.083 | 0.0000 | 0.0000 | 80.639 | 3.25596 | 0.00000 | 789605.1 | 582308.7 | 0.0 | S |
| 36.092 | 0.0000 | 0.0000 | 80.637 | 3.25322 | 0.00000 | 789605.1 | 582406.4 | 0.0 | S |
| 36.100 | 0.0000 | 0.0000 | 80.636 | 3.25049 | 0.00000 | 789605.1 | 582503.9 | 0.0 | S |
| 36.108 | 0.0000 | 0.0000 | 80.634 | 3.24777 | 0.00000 | 789605.1 | 582601.4 | 0.0 | S |
| 36.117 | 0.0000 | 0.0000 | 80.632 | 3.24505 | 0.00000 | 789605.1 | 582698.8 | 0.0 | S |
| 36.125 | 0.0000 | 0.0000 | 80.630 | 3.24234 | 0.00000 | 789605.1 | 582796.1 | 0.0 | S |
| 36.133 | 0.0000 | 0.0000 | 80.628 | 3.23963 | 0.00000 | 789605.1 | 582893.3 | 0.0 | S |
| 36.142 | 0.0000 | 0.0000 | 80.627 | 3.23692 | 0.00000 | 789605.1 | 582990.4 | 0.0 | S |
| 36.150 | 0.0000 | 0.0000 | 80.625 | 3.23423 | 0.00000 | 789605.1 | 583087.5 | 0.0 | S |
| 36.158 | 0.0000 | 0.0000 | 80.623 | 3.23153 | 0.00000 | 789605.1 | 583184.5 | 0.0 | S |
| 36.167 | 0.0000 | 0.0000 | 80.621 | 3.22885 | 0.00000 | 789605.1 | 583281.4 | 0.0 | S |
| 36.175 | 0.0000 | 0.0000 | 80.620 | 3.22616 | 0.00000 | 789605.1 | 583378.3 | 0.0 | S |
| 36.183 | 0.0000 | 0.0000 | 80.618 | 3.22349 | 0.00000 | 789605.1 | 583475.0 | 0.0 | S |
| 36.192 | 0.0000 | 0.0000 | 80.616 | 3.22081 | 0.00000 | 789605.1 | 583571.6 | 0.0 | S |
| 36.200 | 0.0000 | 0.0000 | 80.614 | 3.21815 | 0.00000 | 789605.1 | 583668.3 | 0.0 | S |
| 36.208 | 0.0000 | 0.0000 | 80.612 | 3.21548 | 0.00000 | 789605.1 | 583764.8 | 0.0 | S |
| 36.217 | 0.0000 | 0.0000 | 80.611 | 3.21283 | 0.00000 | 789605.1 | 583861.2 | 0.0 | S |
| 36.225 | 0.0000 | 0.0000 | 80.609 | 3.21018 | 0.00000 | 789605.1 | 583957.5 | 0.0 | S |
| 36.233 | 0.0000 | 0.0000 | 80.607 | 3.20753 | 0.00000 | 789605.1 | 584053.8 | 0.0 | S |
| 36.242 | 0.0000 | 0.0000 | 80.605 | 3.20489 | 0.00000 | 789605.1 | 584149.9 | 0.0 | S |
| 36.250 | 0.0000 | 0.0000 | 80.604 | 3.20225 | 0.00000 | 789605.1 | 584246.1 | 0.0 | S |
| 36.258 | 0.0000 | 0.0000 | 80.602 | 3.19962 | 0.00000 | 789605.1 | 584342.1 | 0.0 | S |
| 36.267 | 0.0000 | 0.0000 | 80.600 | 3.19699 | 0.00000 | 789605.1 | 584438.1 | 0.0 | S |
| 36.275 | 0.0000 | 0.0000 | 80.598 | 3.19437 | 0.00000 | 789605.1 | 584533.9 | 0.0 | S |
| 36.283 | 0.0000 | 0.0000 | 80.597 | 3.19176 | 0.00000 | 789605.1 | 584629.7 | 0.0 | S |
| 36.292 | 0.0000 | 0.0000 | 80.595 | 3.18914 | 0.00000 | 789605.1 | 584725.4 | 0.0 | S |
| 36.300 | 0.0000 | 0.0000 | 80.593 | 3.18654 | 0.00000 | 789605.1 | 584821.1 | 0.0 | S |
| 36.308 | 0.0000 | 0.0000 | 80.591 | 3.18394 | 0.00000 | 789605.1 | 584916.6 | 0.0 | S |
| 36.317 | 0.0000 | 0.0000 | 80.589 | 3.18134 | 0.00000 | 789605.1 | 585012.1 | 0.0 | S |
| 36.325 | 0.0000 | 0.0000 | 80.588 | 3.17875 | 0.00000 | 789605.1 | 585107.5 | 0.0 | S |
| 36.333 | 0.0000 | 0.0000 | 80.586 | 3.17616 | 0.00000 | 789605.1 | 585202.8 | 0.0 | S |
| 36.342 | 0.0000 | 0.0000 | 80.584 | 3.17358 | 0.00000 | 789605.1 | 585298.1 | 0.0 | S |
| 36.350 | 0.0000 | 0.0000 | 80.582 | 3.17100 | 0.00000 | 789605.1 | 585393.3 | 0.0 | S |
| 36.358 | 0.0000 | 0.0000 | 80.581 | 3.16843 | 0.00000 | 789605.1 | 585488.3 | 0.0 | S |
| 36.367 | 0.0000 | 0.0000 | 80.579 | 3.16586 | 0.00000 | 789605.1 | 585583.3 | 0.0 | S |
| 36.375 | 0.0000 | 0.0000 | 80.577 | 3.16330 | 0.00000 | 789605.1 | 585678.3 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: Pond 5100 yr/24 hr

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Outside Recharge (IV/day) | Stage Elevation (ft datum) | Infiltration Rate (ft ${ }^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 36.383 | 0.0000 | 0.0000 | 80.575 | 3.16074 | 0.00000 | 789605.1 | 585773.1 | 0.0 | S |
| 36.392 | 0.0000 | 0.0000 | 80.574 | 3.15819 | 0.00000 | 789605.1 | 585867.9 | 0.0 | S |
| 36.400 | 0.0000 | 0.0000 | 80.572 | 3.15564 | 0.00000 | 789605.1 | 585962.6 | 0.0 | S |
| 36.408 | 0.0000 | 0.0000 | 80.570 | 3.15309 | 0.00000 | 789605.1 | 586057.3 | 0.0 | S |
| 36.417 | 0.0000 | 0.0000 | 80.568 | 3.15055 | 0.00000 | 789605.1 | 586151.8 | 0.0 | S |
| 36.425 | 0.0000 | 0.0000 | 80.567 | 3.14802 | 0.00000 | 789605.1 | 586246.3 | 0.0 | S |
| 36.433 | 0.0000 | 0.0000 | 80.565 | 3.14549 | 0.00000 | 789605.1 | 586340.7 | 0.0 | S |
| 36.442 | 0.0000 | 0.0000 | 80.563 | 3.14296 | 0.00000 | 789605.1 | 586435.0 | 0.0 | S |
| 36.450 | 0.0000 | 0.0000 | 80.561 | 3.14044 | 0.00000 | 789605.1 | 586529.3 | 0.0 | S |
| 36.458 | 0.0000 | 0.0000 | 80.560 | 3.13793 | 0.00000 | 789605.1 | 586623.4 | 0.0 | S |
| 36.467 | 0.0000 | 0.0000 | 80.558 | 3.13542 | 0.00000 | 789605.1 | 586717.6 | 0.0 | 5 |
| 36.475 | 0.0000 | 0.0000 | 80.556 | 3.13291 | 0.00000 | 789605.1 | 586811.6 | 0.0 | S |
| 36.483 | 0.0000 | 0.0000 | 80.554 | 3.13041 | 0.00000 | 789605.1 | 586905.5 | 0.0 | S |
| 36.492 | 0.0000 | 0.0000 | 80.553 | 3.12791 | 0.00000 | 789605.1 | 586999.4 | 0.0 | S |
| 36.500 | 0.0000 | 0.0000 | 80.551 | 3.12542 | 0.00000 | 789605.1 | 587093.2 | 0.0 | S |
| 36.508 | 0.0000 | 0.0000 | 80.549 | 3.12293 | 0.00000 | 789605.1 | 587186.9 | 0.0 | S |
| 36.517 | 0.0000 | 0.0000 | 80.547 | 3.12045 | 0.00000 | 789605.1 | 587280.6 | 0.0 | S |
| 36.525 | 0.0000 | 0.0000 | 80.546 | 3.11797 | 0.00000 | 789605.1 | 587374.1 | 0.0 | S |
| 36.533 | 0.0000 | 0.0000 | 80.544 | 3.11549 | 0.00000 | 789605.1 | 587467.6 | 0.0 | S |
| 36.542 | 0.0000 | 0.0000 | 80.542 | 3.11302 | 0.00000 | 789605.1 | 587561.1 | 0.0 | S |
| 36.550 | 0.0000 | 0.0000 | 80.541 | 3.11056 | 0.00000 | 789605.1 | 587654.4 | 0.0 | S |
| 36.558 | 0.0000 | 0.0000 | 80.539 | 3.10809 | 0.00000 | 789605.1 | 587747.7 | 0.0 | S |
| 36.567 | 0.0000 | 0.0000 | 80.537 | 3.10564 | 0.00000 | 789605.1 | 587840.9 | 0.0 | S |
| 36.575 | 0.0000 | 0.0000 | 80.535 | 3.10319 | 0.00000 | 789605.1 | 587934.1 | 0.0 | S |
| 36.583 | 0.0000 | 0.0000 | 80.534 | 3.10074 | 0.00000 | 789605.1 | 588027.1 | 0.0 | S |
| 36.592 | 0.0000 | 0.0000 | 80.532 | 3.09829 | 0.00000 | 789605.1 | 588120.1 | 0.0 | S |
| 36.600 | 0.0000 | 0.0000 | 80.530 | 3.09585 | 0.00000 | 789605.1 | 588213.0 | 0.0 | S |
| 36.608 | 0.0000 | 0.0000 | 80.528 | 3.09342 | 0.00000 | 789605.1 | 588305.8 | 0.0 | S |
| 36.617 | 0.0000 | 0.0000 | 80.527 | 3.09099 | 0.00000 | 789605.1 | 588398.6 | 0.0 | S |
| 36.625 | 0.0000 | 0.0000 | 80.525 | 3.08856 | 0.00000 | 789605.1 | 588491.3 | 0.0 | S |
| 36.633 | 0.0000 | 0.0000 | 80.523 | 3.08614 | 0.00000 | 789605.1 | 588583.9 | 0.0 | S |
| 36.642 | 0.0000 | 0.0000 | 80.522 | 3.08372 | 0.00000 | 789605.1 | 588676.5 | 0.0 | S |
| 36.650 | 0.0000 | 0.0000 | 80.520 | 3.08131 | 0.00000 | 789605.1 | 588768.9 | 0.0 | S |
| 36.658 | 0.0000 | 0.0000 | 80.518 | 3.07890 | 0.00000 | 789605.1 | 588861.4 | 0.0 | S |
| 36.667 | 0.0000 | 0.0000 | 80.516 | 3.07650 | 0.00000 | 789605.1 | 588953.7 | 0.0 | S |
| 36.675 | 0.0000 | 0.0000 | 80.515 | 3.07410 | 0.00000 | 789605.1 | 589045.9 | 0.0 | S |
| 36.683 | 0.0000 | 0.0000 | 80.513 | 3.07170 | 0.00000 | 789605.1 | 589138.1 | 0.0 | S |
| 36.692 | 0.0000 | 0.0000 | 80.511 | 3.06931 | 0.00000 | 789605.1 | 589230.3 | 0.0 | S |
| 36.700 | 0.0000 | 0.0000 | 80.509 | 3.06692 | 0.00000 | 789605.1 | 589322.3 | 0.0 | S |
| 36.708 | 0.0000 | 0.0000 | 80.508 | 3.06454 | 0.00000 | 789605.1 | 589414.3 | 0.0 | S |
| 36.717 | 0.0000 | 0.0000 | 80.506 | 3.06216 | 0.00000 | 789605.1 | 589506.2 | 0.0 | S |
| 36.725 | 0.0000 | 0.0000 | 80.504 | 3.05978 | 0.00000 | 789605.1 | 589598.0 | 0.0 | S |
| 36.733 | 0.0000 | 0.0000 | 80.503 | 3.05741 | 0.00000 | 789605.1 | 589689.8 | 0.0 | S |
| 36.742 | 0.0000 | 0.0000 | 80.501 | 3.05504 | 0.00000 | 789605.1 | 589781.4 | 0.0 | S |
| 36.750 | 0.0000 | 0.0000 | 80.499 | 3.05268 | 0.00000 | 789605.1 | 589873.1 | 0.0 | S |
| 36.758 | 0.0000 | 0.0000 | 80.497 | 3.05032 | 0.00000 | 789605.1 | 589964.6 | 0.0 | S |
| 36.767 | 0.0000 | 0.0000 | 80.496 | 3.04797 | 0.00000 | 789605.1 | 590056.1 | 0.0 | S |
| 36.775 | 0.0000 | 0.0000 | 80.494 | 3.04562 | 0.00000 | 789605.1 | 590147.5 | 0.0 | S |
| 36.783 | 0.0000 | 0.0000 | 80.492 | 3.04327 | 0.00000 | 789605.1 | 590238.8 | 0.0 | S |
| 36.792 | 0.0000 | 0.0000 | 80.491 | 3.04093 | 0.00000 | 789605.1 | 590330.1 | 0.0 | S |
| 36.800 | 0.0000 | 0.0000 | 80.489 | 3.03859 | 0.00000 | 789605.7 | 590421.3 | 0.0 | S |
| 36.808 | 0.0000 | 0.0000 | 80.487 | 3.03626 | 0.00000 | 789605.1 | 590512.4 | 0.0 | S |
| 36.817 | 0.0000 | 0.0000 | 80.486 | 3.03393 | 0.00000 | 789605.1 | 590603.4 | 0.0 | S |
| 36.825 | 0.0000 | 0.0000 | 80.484 | 3.03160 | 0.00000 | 789605.1 | 590694.4 | 0.0 | S |
| 36.833 | 0.0000 | 0.0000 | 80.482 | 3.02928 | 0.00000 | 789605.1 | 590785.3 | 0.0 | S |
| 36.842 | 0.0000 | 0.0000 | 80.480 | 3.02696 | 0.00000 | 789605.1 | 590876.2 | 0.0 | S |
| 36.850 | 0.0000 | 0.0000 | 80.479 | 3.02465 | 0.00000 | 789605.1 | 590966.9 | 0.0 | S |
| 36.858 | 0.0000 | 0.0000 | 80.477 | 3.02234 | 0.00000 | 789605.1 | 591057.6 | 0.0 | S |
| 36.867 | 0.0000 | 0.0000 | 80.475 | 3.02003 | 0.00000 | 789605.1 | 591148.3 | 0.0 | S |
| 36.875 | 0.0000 | 0.0000 | 80.474 | 3.01773 | 0.00000 | 789605.1 | 591238.9 | 0.0 | S |
| 36.883 | 0.0000 | 0.0000 | 80.472 | 3.01543 | 0.00000 | 789605.1 | 591329.4 | 0.0 | S |
| 36.892 | 0.0000 | 0.0000 | 80.470 | 3.01313 | 0.00000 | 789605.1 | 591419.8 | 0.0 | S |
| 36.900 | 0.0000 | 0.0000 | 80.469 | 3.01084 | 0.00000 | 789605.1 | 591510.1 | 0.0 | S |
| 36.908 | 0.0000 | 0.0000 | 80.467 | 3.00856 | 0.00000 | 789605.1 | 591600.4 | 0.0 | S |
| 36.917 | 0.0000 | 0.0000 | 80.465 | 3.00627 | 0.00000 | 789605.1 | 591690.6 | 0.0 | S |
| 36.925 | 0.0000 | 0.0000 | 80.463 | 3.00400 | 0.00000 | 789605.1 | 591780.8 | 0.0 | S |
| 36.933 | 0.0000 | 0.0000 | 80.462 | 3.00172 | 0.00000 | 789605.1 | 591870.9 | 0.0 | S |
| 36.942 | 0.0000 | 0.0000 | 80.460 | 2.99945 | 0.00000 | 789605.1 | 591960.9 | 0.0 | S |
| 36.950 | 0.0000 | 0.0000 | 80.458 | 2.99718 | 0.00000 | 789605.1 | 592050.9 | 0.0 | S |
| 36.958 | 0.0000 | 0.0000 | 80.457 | 2.99492 | 0.00000 | 789605.1 | 592140.8 | 0.0 | S |
| 36.967 | 0.0000 | 0.0000 | 80.455 | 2.99266 | 0.00000 | 789605.1 | 592230.6 | 0.0 | S |
| 36.975 | 0.0000 | 0.0000 | 80.453 | 2.99040 | 0.00000 | 789605.1 | 592320.3 | 0.0 | S |
| 36.983 | 0.0000 | 0.0000 | 80.452 | 2.98815 | 0.00000 | 789605.1 | 592410.0 | 0.0 | S |
| 36.992 | 0.0000 | 0.0000 | 80.450 | 2.98590 | 0.00000 | 789605.1 | 592499.6 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Infiow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge ( $1 / 1 /$ day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{f} \mathrm{t}^{3} \mathrm{~s}$ ) | Cumulative inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 37,000 | 0.0000 | 0.0000 | 80.448 | 2.98366 | 0.00000 | 789605.1 | 592589.1 | 0.0 | S |
| 37.008 | 0.0000 | 0.0000 | 80.447 | 2.98142 | 0.00000 | 789605.1 | 592678.6 | 0.0 | S |
| 37.017 | 0.0000 | 0.0000 | 80.445 | 2.97918 | 0.00000 | 789605.1 | 592768.0 | 0.0 | S |
| 37.025 | 0.0000 | 0.0000 | 80.443 | 2.97695 | 0.00000 | 789605.1 | 592857.4 | 0.0 | S |
| 37.033 | 0.0000 | 0.0000 | 80.442 | 2.97472 | 0.00000 | 789605.1 | 592946.6 | 0.0 | S |
| 37.042 | 0.0000 | 0.0000 | 80.440 | 2.97249 | 0.00000 | 789605.1 | 593035.8 | 0.0 | S |
| 37.050 | 0.0000 | 0.0000 | 80.438 | 2.97027 | 0.00000 | 789605.1 | 593125.0 | 0.0 | S |
| 37.058 | 0.0000 | 0.0000 | 80.437 | 2.96805 | 0.00000 | 789605.1 | 593214.1 | 0.0 | S |
| 37.067 | 0.0000 | 0.0000 | 80.435 | 2.96583 | 0.00000 | 789605.1 | 593303.1 | 0.0 | S |
| 37.075 | 0.0000 | 0.0000 | 80.433 | 2.96362 | 0.00000 | 789605.1 | 593392.0 | 0.0 | S |
| 37.083 | 0.0000 | 0.0000 | 80.432 | 2.96141 | 0.00000 | 789605.1 | 593480.9 | 0.0 | S |
| 37.092 | 0.0000 | 0.0000 | 80.430 | 2.95921 | 0.00000 | 789605.1 | 593569.7 | 0.0 | S |
| 37.100 | 0.0000 | 0.0000 | 80.428 | 2.95701 | 0.00000 | 789605.1 | 593658.4 | 0.0 | S |
| 37.108 | 0.0000 | 0.0000 | 80.426 | 2.95481 | 0.00000 | 789605.1 | 593747.1 | 0.0 | S |
| 37.117 | 0.0000 | 0.0000 | 80.425 | 2.95262 | 0.00000 | 789605.1 | 593835.8 | 0.0 | S |
| 37.125 | 0.0000 | 0.0000 | 80.423 | 2.95043 | 0.00000 | 789605.1 | 593924.3 | 0.0 | S |
| 37.133 | 0.0000 | 0.0000 | 80.421 | 2.94824 | 0.00000 | 789605.1 | 594012.8 | 0.0 | S |
| 37.142 | 0.0000 | 0.0000 | 80.420 | 2.94606 | 0.00000 | 789605.1 | 594101.2 | 0.0 | S |
| 37.150 | 0.0000 | 0.0000 | 80.418 | 2.94388 | 0.00000 | 789605.1 | 594189.5 | 0.0 | S |
| 37.158 | 0.0000 | 0.0000 | 80.416 | 2.94171 | 0.00000 | 789605.1 | 594277.8 | 0.0 | S |
| 37.167 | 0.0000 | 0.0000 | 80.415 | 2.93954 | 0.00000 | 789605.1 | 594366.0 | 0.0 | S |
| 37.175 | 0.0000 | 0.0000 | 80.413 | 2.93737 | 0.00000 | 789605.1 | 594454.2 | 0.0 | S |
| 37.183 | 0.0000 | 0.0000 | 80.411 | 2.93520 | 0.00000 | 789605.1 | 594542.3 | 0.0 | S |
| 37.192 | 0.0000 | 0.0000 | 80.410 | 2.93304 | 0.00000 | 789605.1 | 594630.3 | 0.0 | S |
| 37.200 | 0.0000 | 0.0000 | 80.408 | 2.93088 | 0.00000 | 789605.1 | 594718.3 | 0.0 | S |
| 37.208 | 0.0000 | 0.0000 | 80.406 | 2.92873 | 0.00000 | 789605.1 | 594806.1 | 0.0 | S |
| 37.217 | 0.0000 | 0.0000 | 80.405 | 2.92658 | 0.00000 | 789605.1 | 594893.9 | 0.0 | S |
| 37.225 | 0.0000 | 0.0000 | 80.403 | 2.92443 | 0.00000 | 789605.1 | 594981.8 | 0.0 | S |
| 37.233 | 0.0000 | 0.0000 | 80.401 | 2.92229 | 0.00000 | 789605.1 | 595069.4 | 0.0 | S |
| 37.242 | 0.0000 | 0.0000 | 80.400 | 2.92015 | 0.00000 | 789605.1 | 595157.1 | 0.0 | S |
| 37.250 | 0.0000 | 0.0000 | 80.398 | 2.91801 | 0.00000 | 789605.7 | 595244.6 | 0.0 | S |
| 37.258 | 0.0000 | 0.0000 | 80.397 | 2.91588 | 0.00000 | 789605.1 | 595332.1 | 0.0 | S |
| 37.267 | 0.0000 | 0.0000 | 80.395 | 2.91375 | 0.00000 | 789605.1 | 595419.6 | 0.0 | S |
| 37.275 | 0.0000 | 0.0000 | 80.393 | 2.91162 | 0.00000 | 789605.1 | 595507.0 | 0.0 | S |
| 37.283 | 0.0000 | 0.0000 | 80.392 | 2.90950 | 0.00000 | 789605.1 | 595594.3 | 0.0 | S |
| 37.292 | 0.0000 | 0.0000 | 80.390 | 2.90738 | 0.00000 | 789605.1 | 595681.6 | 0.0 | S |
| 37.300 | 0.0000 | 0.0000 | 80.388 | 2.90526 | 0.00000 | 789605.1 | 595768.8 | 0.0 | S |
| 37.308 | 0.0000 | 0.0000 | 80.387 | 2.90315 | 0.00000 | 789605.1 | 595855.9 | 0.0 | S |
| 37.317 | 0.0000 | 0.0000 | 80.385 | 2.90104 | 0.00000 | 789605.1 | 595942.9 | 0.0 | S |
| 37.325 | 0.0000 | 0.0000 | 80.383 | 2.89893 | 0.00000 | 789605.1 | 596029.9 | 0.0 | S |
| 37.333 | 0.0000 | 0.0000 | 80.382 | 2.89683 | 0.00000 | 789605.1 | 596116.9 | 0.0 | S |
| 37.342 | 0.0000 | 0.0000 | 80.380 | 2.89473 | 0.00000 | 789605.1 | 596203.8 | 0.0 | S |
| 37.350 | 0.0000 | 0.0000 | 80.378 | 2.89263 | 0.00000 | 789605.1 | 596290.6 | 0.0 | S |
| 37.358 | 0.0000 | 0.0000 | 80.377 | 2.89054 | 0.00000 | 789605.1 | 596377.3 | 0.0 | S |
| 37.367 | 0.0000 | 0.0000 | 80.375 | 2.88845 | 0.00000 | 789605.1 | 596464.0 | 0.0 | S |
| 37.375 | 0.0000 | 0.0000 | 80.373 | 2.88636 | 0.00000 | 789605.1 | 596550.6 | 0.0 | S |
| 37.383 | 0.0000 | 0.0000 | 80.372 | 2.88428 | 0.00000 | 789605.1 | 596637.1 | 0.0 | S |
| 37.392 | 0.0000 | 0.0000 | 80.370 | 2.88220 | 0.00000 | 789605.1 | 596723.6 | 0.0 | S |
| 37.400 | 0.0000 | 0.0000 | 80.368 | 2.88012 | 0.00000 | 789605.1 | 596810.1 | 0.0 | S |
| 37.408 | 0.0000 | 0.0000 | 80.367 | 2.87805 | 0.00000 | 789605.1 | 596896.4 | 0.0 | S |
| 37.417 | 0.0000 | 0.0000 | 80.365 | 2.87598 | 0.00000 | 789605.1 | 596982.8 | 0.0 | S |
| 37.425 | 0.0000 | 0.0000 | 80.364 | 2.87391 | 0.00000 | 789605.1 | 597069.0 | 0.0 | S |
| 37.433 | 0.0000 | 0.0000 | 80.362 | 2.87184 | 0.00000 | 789605.1 | 597155.2 | 0.0 | S |
| 37.442 | 0.0000 | 0.0000 | 80.360 | 2.86978 | 0.00000 | 789605.1 | 597241.3 | 0.0 | S |
| 37.450 | 0.0000 | 0.0000 | 80.359 | 2.86773 | 0.00000 | 789605.1 | 597327.4 | 0.0 | S |
| 37.458 | 0.0000 | 0.0000 | 80.357 | 2.86567 | 0.00000 | 789605.1 | 597413.4 | 0.0 | S |
| 37.467 | 0.0000 | 0.0000 | 80.355 | 2.86362 | 0.00000 | 789605.1 | 597499.3 | 0.0 | S |
| 37.475 | 0.0000 | 0.0000 | 80.354 | 2.86157 | 0.00000 | 789605.1 | 597585.2 | 0.0 | S |
| 37.483 | 0.0000 | 0.0000 | 80.352 | 2.85953 | 0.00000 | 789605.1 | 597671.0 | 0.0 | S |
| 37.492 | 0.0000 | 0.0000 | 80.350 | 2.85749 | 0.00000 | 789605.1 | 597756.8 | 0.0 | S |
| 37.500 | 0.0000 | 0.0000 | 80.349 | 2.85545 | 0.00000 | 789605.1 | 597842.5 | 0.0 | S |
| 37.508 | 0.0000 | 0.0000 | 80.347 | 2.85341 | 0.00000 | 789605.1 | 597928.1 | 0.0 | S |
| 37.517 | 0.0000 | 0.0000 | 80.346 | 2.85138 | 0.00000 | 789605.1 | 598013.7 | 0.0 | S |
| 37.525 | 0.0000 | 0.0000 | 80.344 | 2.84935 | 0.00000 | 789605.1 | 598099.2 | 0.0 | S |
| 37.533 | 0.0000 | 0.0000 | 80.342 | 2.84733 | 0.00000 | 789605.1 | 598184.6 | 0.0 | S |
| 37.542 | 0.0000 | 0.0000 | 80.341 | 2.84530 | 0.00000 | 789605.1 | 598270.0 | 0.0 | S |
| 37.550 | 0.0000 | 0.0000 | 80.339 | 2.84329 | 0.00000 | 789605.1 | 598355.4 | 0.0 | S |
| 37.558 | 0.0000 | 0.0000 | 80.337 | 2.84127 | 0.00000 | 789605.1 | 598440.6 | 0.0 | S |
| 37.567 | 0.0000 | 0.0000 | 80.336 | 2.83926 | 0.00000 | 789605.1 | 598525.8 | 0.0 | S |
| 37.575 | 0.0000 | 0.0000 | 80.334 | 2.83725 | 0.00000 | 789605.1 | 598611.0 | 0.0 | S |
| 37.583 | 0.0000 | 0.0000 | 80.333 | 2.83524 | 0.00000 | 789605.1 | 598696.1 | 0.0 | S |
| 37.592 | 0.0000 | 0.0000 | 80.331 | 2.83323 | 0.00000 | 789605.1 | 598781.1 | 0.0 | S |
| 37.600 | 0.0000 | 0.0000 | 80.329 | 2.83123 | 0.00000 | 789605.1 | 598866.1 | 0.0 | S |
| 37.608 | 0.0000 | 0.0000 | 80.328 | 2.82924 | 0.00000 | 789605.1 | 598951.0 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate (f $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (f/day) | Stage Elevation (ft datum) | infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 37.617 | 0.0000 | 0.0000 | 80.326 | 2.82724 | 0.00000 | 789605.1 | 599035.8 | 0.0 | S |
| 37.625 | 0.0000 | 0.0000 | 80.324 | 2.82525 | 0.00000 | 789605.1 | 599120.6 | 0.0 | S |
| 37.633 | 0.0000 | 0.0000 | 80.323 | 2.82326 | 0.00000 | 789605.1 | 599205.3 | 0.0 | S |
| 37.642 | 0.0000 | 0.0000 | 80.321 | 2.82127 | 0.00000 | 789605.1 | 599290.0 | 0.0 | S |
| 37.650 | 0.0000 | 0.0000 | 80.320 | 2.81929 | 0.00000 | 789605.1 | 599374.6 | 0.0 | S |
| 37.658 | 0.0000 | 0.0000 | 80.318 | 2.81731 | 0.00000 | 789605.1 | 599459.2 | 0.0 | S |
| 37.667 | 0.0000 | 0.0000 | 80.316 | 2.81534 | 0.00000 | 789605.1 | 599543.6 | 0.0 | S |
| 37.675 | 0.0000 | 0.0000 | 80.315 | 2.81336 | 0.00000 | 789605.1 | 599628.1 | 0.0 | S |
| 37.683 | 0.0000 | 0.0000 | 80.313 | 2.81139 | 0.00000 | 789605.1 | 599712.4 | 0.0 | S |
| 37.692 | 0.0000 | 0.0000 | 80.311 | 2.80942 | 0.00000 | 789605.1 | 599796.8 | 0.0 | S |
| 37.700 | 0.0000 | 0.0000 | 80.310 | 2.80746 | 0.00000 | 789605.1 | 599881.0 | 0.0 | S |
| 37.708 | 0.0000 | 0.0000 | 80.308 | 2.80550 | 0.00000 | 789605.1 | 599965.2 | 0.0 | S |
| 37.717 | 0.0000 | 0.0000 | 80.307 | 2.80354 | 0.00000 | 789605.1 | 600049.3 | 0.0 | S |
| 37.725 | 0.0000 | 0.0000 | 80.305 | 2.80158 | 0.00000 | 789605.1 | 600133.4 | 0.0 | S |
| 37.733 | 0.0000 | 0.0000 | 80.303 | 2.79963 | 0.00000 | 789605.1 | 600217.4 | 0.0 | S |
| 37.742 | 0.0000 | 0.0000 | 80.302 | 2.79768 | 0.00000 | 789605.1 | 600301.4 | 0.0 | S |
| 37.750 | 0.0000 | 0.0000 | 80.300 | 2.79573 | 0.00000 | 789605.1 | 600385.3 | 0.0 | S |
| 37.758 | 0.0000 | 0.0000 | 80.299 | 2.79379 | 0.00000 | 789605.1 | 600469.1 | 0.0 | S |
| 37.767 | 0.0000 | 0.0000 | 80.297 | 2.79185 | 0.00000 | 789605.1 | 600552.9 | 0.0 | S |
| 37.775 | 0.0000 | 0.0000 | 80.295 | 2.78991 | 0.00000 | 789605.1 | 600636.6 | 0.0 | S |
| 37.783 | 0.0000 | 0.0000 | 80.294 | 2.78797 | 0.00000 | 789605.1 | 600720.3 | 0.0 | S |
| 37.792 | 0.0000 | 0.0000 | 80.292 | 2.78604 | 0.00000 | 789605.1 | 600803.9 | 0.0 | S |
| 37.800 | 0.0000 | 0.0000 | 80.290 | 2.78411 | 0.00000 | 789605.1 | 600887.5 | 0.0 | S |
| 37.808 | 0.0000 | 0.0000 | 80.289 | 2.78219 | 0.00000 | 789605.1 | 600971.0 | 0.0 | S |
| 37.817 | 0.0000 | 0.0000 | 80.287 | 2.78026 | 0.00000 | 789605.1 | 601054.4 | 0.0 | S |
| 37.825 | 0.0000 | 0.0000 | 80.286 | 2.77834 | 0.00000 | 789605.1 | 601137.8 | 0.0 | S |
| 37.833 | 0.0000 | 0.0000 | 80.284 | 2.77642 | 0.00000 | 789605.1 | 601221.1 | 0.0 | S |
| 37.842 | 0.0000 | 0.0000 | 80.282 | 2.77451 | 0.00000 | 789605.1 | 601304.4 | 0.0 | S |
| 37.850 | 0.0000 | 0.0000 | 80.281 | 2.77259 | 0.00000 | 789605.1 | 601387.6 | 0.0 | S |
| 37.858 | 0.0000 | 0.0000 | 80.279 | 2.77069 | 0.00000 | 789605.1 | 601470.8 | 0.0 | S |
| 37.867 | 0.0000 | 0.0000 | 80.278 | 2.76878 | 0.00000 | 789605.1 | 601553.8 | 0.0 | S |
| 37.875 | 0.0000 | 0.0000 | 80.276 | 2.76688 | 0.00000 | 789605.1 | 601636.9 | 0.0 | S |
| 37.883 | 0.0000 | 0.0000 | 80.274 | 2.76497 | 0.00000 | 789605.1 | 601719.8 | 0.0 | S |
| 37.892 | 0.0000 | 0.0000 | 80.273 | 2.76308 | 0.00000 | 789605.1 | 601802.8 | 0.0 | S |
| 37.900 | 0.0000 | 0.0000 | 80.271 | 2.76118 | 0.00000 | 789605.1 | 601885.6 | 0.0 | S |
| 37.908 | 0.0000 | 0.0000 | 80.270 | 2.75929 | 0.00000 | 789605.1 | 601968.4 | 0.0 | S |
| 37.917 | 0.0000 | 0.0000 | 80.268 | 2.75740 | 0.00000 | 789605.1 | 602051.2 | 0.0 | S |
| 37.925 | 0.0000 | 0.0000 | 80.266 | 2.75551 | 0.00000 | 789605.1 | 602133.9 | 0.0 | S |
| 37.933 | 0.0000 | 0.0000 | 80.265 | 2.75363 | 0.00000 | 789605.1 | 602216.5 | 0.0 | S |
| 37.942 | 0.0000 | 0.0000 | 80.263 | 2.75175 | 0.00000 | 789605.1 | 602299.1 | 0.0 | S |
| 37.950 | 0.0000 | 0.0000 | 80.262 | 2.74987 | 0.00000 | 789605.1 | 602381.6 | 0.0 | S |
| 37.958 | 0.0000 | 0.0000 | 80.260 | 2.74799 | 0.00000 | 789605.1 | 602464.1 | 0.0 | S |
| 37.967 | 0.0000 | 0.0000 | 80.259 | 2.74612 | 0.00000 | 789605.1 | 602546.5 | 0.0 | S |
| 37.975 | 0.0000 | 0.0000 | 80.257 | 2.74425 | 0.00000 | 789605.1 | 602628.9 | 0.0 | S |
| 37.983 | 0.0000 | 0.0000 | 80.255 | 2.74238 | 0.00000 | 789605.1 | 602711.1 | 0.0 | S |
| 37.992 | 0.0000 | 0.0000 | 80.254 | 2.74052 | 0.00000 | 789605.1 | 602793.4 | 0.0 | S |
| 38.000 | 0.0000 | 0.0000 | 80.252 | 2.73865 | 0.00000 | 789605.1 | 602875.6 | 0.0 | S |
| 38.008 | 0.0000 | 0.0000 | 80.251 | 2.73679 | 0.00000 | 789605.1 | 602957.7 | 0.0 | S |
| 38.017 | 0.0000 | 0.0000 | 80.249 | 2.73494 | 0.00000 | 789605.1 | 603039.8 | 0.0 | S |
| 38.025 | 0.0000 | 0.0000 | 80.247 | 2.73308 | 0.00000 | 789605.1 | 603121.8 | 0.0 | S |
| 38.033 | 0.0000 | 0.0000 | 80.246 | 2.73123 | 0.00000 | 789605.1 | 603203.8 | 0.0 | S |
| 38.042 | 0.0000 | 0.0000 | 80.244 | 2.72938 | 0.00000 | 789605.1 | 603285.7 | 0.0 | S |
| 38.050 | 0.0000 | 0.0000 | 80.243 | 2.72754 | 0.00000 | 789605.1 | 603367.6 | 0.0 | S |
| 38.058 | 0.0000 | 0.0000 | 80.241 | 2.72570 | 0.00000 | 789605.1 | 603449.3 | 0.0 | S |
| 38.067 | 0.0000 | 0.0000 | 80.239 | 2.72386 | 0.00000 | 789605.1 | 603531.1 | 0.0 | S |
| 38.075 | 0.0000 | 0.0000 | 80.238 | 2.72202 | 0.00000 | 789605.1 | 603612.8 | 0.0 | S |
| 38.083 | 0.0000 | 0.0000 | 80.236 | 2.72018 | 0.00000 | 789605.1 | 603694.4 | 0.0 | S |
| 38.092 | 0.0000 | 0.0000 | 80.235 | 2.71835 | 0.00000 | 789605.1 | 603776.0 | 0.0 | S |
| 38.100 | 0.0000 | 0.0000 | 80.233 | 2.71652 | 0.00000 | 789605.1 | 603857.5 | 0.0 | S |
| 38.108 | 0.0000 | 0.0000 | 80.232 | 2.71469 | 0.00000 | 789605.1 | 603938.9 | 0.0 | S |
| 38.117 | 0.0000 | 0.0000 | 80.230 | 2.71287 | 0.00000 | 789605.1 | 604020.4 | 0.0 | S |
| 38.125 | 0.0000 | 0.0000 | 80.228 | 2.71105 | 0.00000 | 789605.1 | 604101.8 | 0.0 | S |
| 38.133 | 0.0000 | 0.0000 | 80.227 | 2.70923 | 0.00000 | 789605.1 | 604183.1 | 0.0 | S |
| 38.142 | 0.0000 | 0.0000 | 80.225 | 2.70741 | 0.00000 | 789605.1 | 604264.3 | 0.0 | S |
| 38.150 | 0.0000 | 0.0000 | 80.224 | 2.70560 | 0.00000 | 789605.1 | 604345.5 | 0.0 | S |
| 38.158 | 0.0000 | 0.0000 | 80.222 | 2.70379 | 0.00000 | 789605.1 | 604426.6 | 0.0 | S |
| 38.167 | 0.0000 | 0.0000 | 80.221 | 2.70198 | 0.00000 | 789605.1 | 604507.7 | 0.0 | S |
| 38.175 | 0.0000 | 0.0000 | 80.219 | 2.70017 | 0.00000 | 789605.1 | 604588.8 | 0.0 | S |
| 38.183 | 0.0000 | 0.0000 | 80.217 | 2.69837 | 0.00000 | 789605.1 | 604669.8 | 0.0 | S |
| 38.192 | 0.0000 | 0.0000 | 80.216 | 2.69657 | 0.00000 | 789605.1 | 604750.6 | 0.0 | S |
| 38.200 | 0.0000 | 0.0000 | 80.214 | 2.69477 | 0.00000 | 789605.1 | 604831.5 | 0.0 | S |
| 38.208 | 0,0000 | 0.0000 | 80.213 | 2.69298 | 0.00000 | 789605.1 | 604912.3 | 0.0 | S |
| 38.217 | 0.0000 | 0.0000 | 80.211 | 2.69118 | 0.00000 | 789605.1 | 604993.1 | 0.0 | S |
| 38.225 | 0.0000 | 0.0000 | 80.210 | 2.68939 | 0.00000 | 789605.1 | 605073.8 | 0.0 | S |

Vista Landfill Redesign

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 5100 yr/24 hr

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{F}^{3} / \mathrm{s}$ ) | Outside Recharge (fv/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 38.233 | 0.0000 | 0.0000 | 80.208 | 2.68760 | 0.00000 | 789605.1 | 605154.4 | 0.0 | S |
| 38.242 | 0.0000 | 0.0000 | 80.206 | 2.68582 | 0.00000 | 789605.1 | 605235.1 | 0.0 | S |
| 38.250 | 0.0000 | 0.0000 | 80.205 | 2.68404 | 0.00000 | 789605.1 | 605315.6 | 0.0 | S |
| 38.258 | 0.0000 | 0.0000 | 80.203 | 2.68226 | 0.00000 | 789605.1 | 605396.1 | 0.0 | S |
| 38.267 | 0.0000 | 0.0000 | 80.202 | 2.68048 | 0.00000 | 789605.1 | 605476.6 | 0.0 | S |
| 38.275 | 0.0000 | 0.0000 | 80.200 | 2.67870 | 0.00000 | 789605.1 | 605556.9 | 0.0 | S |
| 38.283 | 0.0000 | 0.0000 | 80.199 | 2.67693 | 0.00000 | 789605.1 | 605637.3 | 0.0 | S |
| 38.292 | 0.0000 | 0.0000 | 80.197 | 2.67516 | 0.00000 | 789605.1 | 605717.6 | 0.0 | S |
| 38.300 | 0.0000 | 0.0000 | 80.195 | 2.67339 | 0.00000 | 789605.1 | 605797.8 | 0.0 | S |
| 38.308 | 0.0000 | 0.0000 | 80.194 | 2.67163 | 0.00000 | 789605.1 | 605877.9 | 0.0 | S |
| 38.317 | 0.0000 | 0.0000 | 80.192 | 2.66987 | 0.00000 | 789605.1 | 605958.1 | 0.0 | S |
| 38.325 | 0.0000 | 0.0000 | 80.191 | 2.66811 | 0.00000 | 789605.1 | 606038.1 | 0.0 | S |
| 38.333 | 0.0000 | 0.0000 | 80.189 | 2.66635 | 0.00000 | 789605.1 | 606118.2 | 0.0 | S |
| 38,342 | 0.0000 | 0.0000 | 80.188 | 2.66459 | 0.00000 | 789605.1 | 606198.1 | 0.0 | S |
| 38.350 | 0.0000 | 0.0000 | 80.186 | 2.66284 | 0.00000 | 789605.1 | 606278.1 | 0.0 | S |
| 38.358 | 0.0000 | 0.0000 | 80.185 | 2.66109 | 0.00000 | 789605.1 | 606357.9 | 0.0 | S |
| 38.367 | 0.0000 | 0.0000 | 80.183 | 2.65935 | 0.00000 | 789605.1 | 606437.7 | 0.0 | S |
| 38.375 | 0.0000 | 0.0000 | 80.181 | 2.65760 | 0.00000 | 789605.1 | 606517.4 | 0.0 | S |
| 38.383 | 0.0000 | 0.0000 | 80.180 | 2.65586 | 0.00000 | 789605.1 | 606597.2 | 0.0 | S |
| 38.392 | 0.0000 | 0.0000 | 80.178 | 2.65412 | 0.00000 | 789605.1 | 606676.8 | 0.0 | S |
| 38.400 | 0.0000 | 0.0000 | 80.177 | 2.65238 | 0.00000 | 789605.1 | 606756.4 | 0.0 | S |
| 38.408 | 0.0000 | 0.0000 | 80.175 | 2.65065 | 0.00000 | 789605.1 | 606835.9 | 0.0 | S |
| 38.417 | 0.0000 | 0.0000 | 80.174 | 2.64891 | 0.00000 | 789605.1 | 606915.4 | 0.0 | S |
| 38.425 | 0.0000 | 0.0000 | 80.172 | 2.64718 | 0.00000 | 789605.1 | 606994.9 | 0.0 | S |
| 38.433 | 0.0000 | 0.0000 | 80.171 | 2.64546 | 0.00000 | 789605.1 | 607074.3 | 0.0 | S |
| 38.442 | 0.0000 | 0.0000 | 80.169 | 2.64373 | 0.00000 | 789605.1 | 607153.6 | 0.0 | S |
| 38.450 | 0.0000 | 0.0000 | 80.167 | 2.64201 | 0.00000 | 789605.1 | 607232.9 | 0.0 | S |
| 38.458 | 0.0000 | 0.0000 | 80.166 | 2.64029 | 0.00000 | 789605.1 | 607312.1 | 0.0 | S |
| 38.467 | 0.0000 | 0.0000 | 80.164 | 2.63857 | 0.00000 | 789605.1 | 607391.3 | 0.0 | S |
| 38.475 | 0.0000 | 0.0000 | 80.163 | 2.83685 | 0.00000 | 789605.1 | 607470.4 | 0.0 | S |
| 38.483 | 0.0000 | 0.0000 | 80.161 | 2.63514 | 0.00000 | 789605.1 | 607549.5 | 0.0 | S |
| 38.492 | 0.0000 | 0.0000 | 80.160 | 2.63343 | 0.00000 | 789605.1 | 607628.6 | 0.0 | S |
| 38.500 | 0.0000 | 0.0000 | 80.158 | 2.63172 | 0.00000 | 789605.1 | 607707.6 | 0.0 | S |
| 38.508 | 0.0000 | 0.0000 | 80.157 | 2.63002 | 0.00000 | 789605.1 | 607786.4 | 0.0 | S |
| 38.517 | 0.0000 | 0.0000 | 80.155 | 2.62831 | 0.00000 | 789605.1 | 607865.3 | 0.0 | S |
| 38.525 | 0.0000 | 0.0000 | 80.154 | 2.62661 | 0.00000 | 789605.1 | 607944.2 | 0.0 | S |
| 38.533 | 0.0000 | 0.0000 | 80.152 | 2.62491 | 0.00000 | 789605.1 | 608022.9 | 0.0 | S |
| 38.542 | 0.0000 | 0.0000 | 80.150 | 2.62322 | 0.00000 | 789605.1 | 608101.6 | 0.0 | S |
| 38.550 | 0.0000 | 0.0000 | 80.149 | 2.62152 | 0.00000 | 789605.1 | 608180.3 | 0.0 | S |
| 38.558 | 0.0000 | 0.0000 | 80.147 | 2.61983 | 0.00000 | 789605.1 | 608258.9 | 0.0 | S |
| 38.567 | 0.0000 | 0.0000 | 80.146 | 2.61814 | 0.00000 | 789605.1 | 608337.5 | 0.0 | S |
| 38.575 | 0.0000 | 0.0000 | 80.144 | 2.61646 | 0.00000 | 789605,1 | 608416.1 | 0.0 | S |
| 38.583 | 0.0000 | 0.0000 | 80.143 | 2.61477 | 0.00000 | 789605.1 | 608494.5 | 0.0 | S |
| 38.592 | 0.0000 | 0.0000 | 80.141 | 2.61309 | 0.00000 | 789605.1 | 608572.9 | 0.0 | S |
| 38.600 | 0.0000 | 0.0000 | 80.140 | 2.61141 | 0.00000 | 789605.1 | 608651.3 | 0.0 | S |
| 38.608 | 0.0000 | 0.0000 | 80.138 | 2.60973 | 0.00000 | 789605.1 | 608729.6 | 0.0 | S |
| 38.617 | 0.0000 | 0.0000 | 80.137 | 2.60806 | 0.00000 | 789605.1 | 608807.9 | 0.0 | S |
| 38.625 | 0.0000 | 0.0000 | 80.135 | 2.60638 | 0.00000 | 789605.1 | 608886.1 | 0.0 | S |
| 38.633 | 0.0000 | 0.0000 | 80.133 | 2.60471 | 0.00000 | 789605.1 | 608964.3 | 0.0 | S |
| 38.642 | 0.0000 | 0.0000 | 80.132 | 2.60305 | 0.00000 | 789605.1 | 609042.4 | 0.0 | S |
| 38.650 | 0.0000 | 0.0000 | 80.130 | 2.60138 | 0.00000 | 789605.1 | 609120.4 | 0.0 | S |
| 38.658 | 0.0000 | 0.0000 | 80.129 | 2.59972 | 0.00000 | 789605.1 | 609198.4 | 0.0 | S |
| 38.667 | 0.0000 | 0.0000 | 80.127 | 2.59806 | 0.00000 | 789605.1 | 609276.4 | 0.0 | S |
| 38.675 | 0.0000 | 0.0000 | 80.126 | 2.59640 | 0.00000 | 789605.1 | 609354.3 | 0.0 | S |
| 38.683 | 0.0000 | 0.0000 | 80.124 | 2.59474 | 0.00000 | 789605.1 | 609432.2 | 0.0 | S |
| 38.692 | 0.0000 | 0.0000 | 80.123 | 2.59309 | 0.00000 | 789605.1 | 609510.0 | 0.0 | S |
| 38.700 | 0.0000 | 0.0000 | 80.121 | 2.59143 | 0.00000 | 789605.1 | 609587.8 | 0.0 | S |
| 38.708 | 0.0000 | 0.0000 | 80.120 | 2.58978 | 0.00000 | 789605.1 | 609665.5 | 0.0 | S |
| 38.717 | 0.0000 | 0.0000 | 80.118 | 2.58814 | 0.00000 | 789605.1 | 609743.2 | 0.0 | S |
| 38.725 | 0.0000 | 0.0000 | 80.117 | 2.58649 | 0.00000 | 789605.1 | 609820.8 | 0.0 | S |
| 38.733 | 0.0000 | 0.0000 | 80.115 | 2.58485 | 0.00000 | 789605.1 | 609898.4 | 0.0 | S |
| 38.742 | 0.0000 | 0.0000 | 80.114 | 2.58321 | 0.00000 | 789605.1 | 609975.9 | 0.0 | S |
| 38.750 | 0.0000 | 0.0000 | 80.112 | 2.58157 | 0.00000 | 789605.1 | 610053.4 | 0.0 | S |
| 38.758 | 0.0000 | 0.0000 | 80.111 | 2.57993 | 0.00000 | 789605.1 | 610130.8 | 0.0 | S |
| 38.767 | 0.0000 | 0.0000 | 80.109 | 2.57830 | 0.00000 | 789605.1 | 610208.1 | 0.0 | S |
| 38.775 | 0.0000 | 0.0000 | 80.107 | 2.57667 | 0.00000 | 789605.1 | 610285.5 | 0.0 | S |
| 38.783 | 0.0000 | 0.0000 | 80.106 | 2.57504 | 0.00000 | 789605.1 | 610362.8 | 0.0 | S |
| 38.792 | 0.0000 | 0.0000 | 80.104 | 2.57341 | 0.00000 | 789605.1 | 610440.0 | 0.0 | S |
| 38.800 | 0.0000 | 0.0000 | 80.103 | 2.57179 | 0.00000 | 789605.1 | 610517.2 | 0.0 | S |
| 38.808 | 0.0000 | 0.0000 | 80.101 | 2.57016 | 0.00000 | 789605. 1 | 610594.3 | 0.0 | S |
| 38.817 | 0.0000 | 0.0000 | 80.100 | 2.56854 | 0.00000 | 789605.1 | 610671.4 | 0.0 | S |
| 38.825 | 0.0000 | 0.0000 | 80.098 | 2.56692 | 0.00000 | 789605.1 | 610748.4 | 0.0 | S |
| 38.833 | 0.0000 | 0.0000 | 80.097 | 2.56531 | 0.00000 | 789605.1 | 610825.4 | 0.0 | S |
| 38.842 | 0.0000 | 0.0000 | 80.095 | 2.56369 | 0.00000 | 789605.1 | 610902.3 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario $1: \because$ Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate (fishs) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / 3}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 38.850 | 0.0000 | 0.0000 | 80.094 | 2.56208 | 0.00000 | 789605.1 | 610979.2 | 0.0 | S |
| 38.858 | 0.0000 | 0.0000 | 80.092 | 2.56047 | 0.00000 | 789605.1 | 611056.1 | 0.0 | S |
| 38.867 | 0.0000 | 0.0000 | 80.091 | 2.55886 | 0.00000 | 789605.1 | 611132.8 | 0.0 | S |
| 38.875 | 0.0000 | 0.0000 | 80.089 | 2.55726 | 0.00000 | 789605.1 | 611209.6 | 0.0 | S |
| 38.883 | 0.0000 | 0.0000 | 80.088 | 2.55566 | 0.00000 | 789605.1 | 611286.3 | 0.0 | S |
| 38.892 | 0.0000 | 0.0000 | 80.086 | 2.55406 | 0.00000 | 789605.1 | 611362.9 | 0.0 | S |
| 38.900 | 0.0000 | 0.0000 | 80.085 | 2.55246 | 0.00000 | 789605.1 | 611439.5 | 0.0 | S |
| 38.908 | 0.0000 | 0.0000 | 80.083 | 2.55086 | 0.00000 | 789605.1 | 611516.1 | 0.0 | S |
| 38.917 | 0.0000 | 0.0000 | 80.082 | 2.54927 | 0.00000 | 789605.1 | 611592.6 | 0.0 | S |
| 38.925 | 0.0000 | 0.0000 | 80.080 | 2.54767 | 0.00000 | 789605.1 | 611669.0 | 0.0 | S |
| 38.933 | 0.0000 | 0.0000 | 80.079 | 2.54608 | 0.00000 | 789605.1 | 611745.4 | 0.0 | S |
| 38.942 | 0.0000 | 0.0000 | 80.077 | 2.54450 | 0.00000 | 789605.1 | 611821.8 | 0.0 | S |
| 38.950 | 0.0000 | 0.0000 | 80.076 | 2.54291 | 0.00000 | 789605.1 | 611898.1 | 0.0 | S |
| 38.958 | 0.0000 | 0.0000 | 80.074 | 2.54133 | 0.00000 | 789605.1 | 611974.4 | 0.0 | S |
| 38.967 | 0.0000 | 0.0000 | 80.073 | 2.53974 | 0.00000 | 789605.1 | 612050.6 | 0.0 | S |
| 38.975 | 0.0000 | 0.0000 | 80.071 | 2.53816 | 0.00000 | 789605.1 | 612126.8 | 0.0 | S |
| 38.983 | 0.0000 | 0.0000 | 80.070 | 2.53659 | 0.00000 | 789605.1 | 612202.9 | 0.0 | S |
| 38.992 | 0.0000 | 0.0000 | 80.068 | 2.53501 | 0.00000 | 789605.1 | 612278.9 | 0.0 | S |
| 39.000 | 0.0000 | 0.0000 | 80.067 | 2.53344 | 0.00000 | 789605.1 | 612354.9 | 0.0 | S |
| 39.008 | 0.0000 | 0.0000 | 80.065 | 2.53187 | 0.00000 | 789605.1 | 612430.9 | 0.0 | S |
| 39.017 | 0.0000 | 0.0000 | 80.063 | 2.53030 | 0.00000 | 789605.1 | 612506.9 | 0.0 | S |
| 39.025 | 0.0000 | 0.0000 | 80.062 | 2.52873 | 0.00000 | 789605.1 | 612582.8 | 0.0 | S |
| 39.033 | 0.0000 | 0.0000 | 80.060 | 2.52717 | 0.00000 | 789605.1 | 612658.6 | 0.0 | S |
| 39.042 | 0.0000 | 0.0000 | 80.059 | 2.52561 | 0.00000 | 789605.1 | 612734.4 | 0.0 | S |
| 39.050 | 0.0000 | 0.0000 | 80.057 | 2.52405 | 0.00000 | 789605.1 | 612810.1 | 0.0 | S |
| 39.058 | 0.0000 | 0.0000 | 80.056 | 2.52249 | 0.00000 | 789605.1 | 612885.8 | 0.0 | S |
| 39.067 | 0.0000 | 0.0000 | 80.054 | 2.52093 | 0.00000 | 789605.1 | 612961.5 | 0.0 | S |
| 39.075 | 0.0000 | 0.0000 | 80.053 | 2.51938 | 0.00000 | 789605.1 | 613037.1 | 0.0 | S |
| 39.083 | 0.0000 | 0.0000 | 80.051 | 2.51782 | 0.00000 | 789605.1 | 613112.6 | 0.0 | S |
| 39.092 | 0.0000 | 0.0000 | 80.050 | 2.51627 | 0.00000 | 789605.1 | 613188.2 | 0.0 | S |
| 39.100 | 0.0000 | 0.0000 | 80.048 | 2.51473 | 0.00000 | 789605.1 | 613263.6 | 0.0 | S |
| 39.108 | 0.0000 | 0.0000 | 80.047 | 2.51318 | 0.00000 | 789605.1 | 613339.1 | 0.0 | S |
| 39.117 | 0.0000 | 0.0000 | 80.045 | 2.51164 | 0.00000 | 789605.1 | 613414.4 | 0.0 | S |
| 39.125 | 0.0000 | 0.0000 | 80.044 | 2.51009 | 0.00000 | 789605.1 | 613489.8 | 0.0 | S |
| 39.133 | 0.0000 | 0.0000 | 80.042 | 2.50855 | 0.00000 | 789605.1 | 613565.0 | 0.0 | S |
| 39,142 | 0.0000 | 0.0000 | 80.041 | 2.50702 | 0.00000 | 789605.1 | 613640.3 | 0.0 | S |
| 39,150 | 0.0000 | 0.0000 | 80.039 | 2.50548 | 0.00000 | 789605.1 | 613715.4 | 0.0 | S |
| 39.158 | 0.0000 | 0.0000 | 80.038 | 2.50395 | 0.00000 | 789605.1 | 613790.6 | 0.0 | S |
| 39.167 | 0.0000 | 0.0000 | 80.036 | 2.50241 | 0.00000 | 789605.1 | 613865.7 | 0.0 | S |
| 39.175 | 0.0000 | 0.0000 | 80.035 | 2.50088 | 0.00000 | 789605.1 | 613940.8 | 0.0 | S |
| 39.183 | 0.0000 | 0.0000 | 80.033 | 2.49936 | 0.00000 | 789605.1 | 614015.8 | 0.0 | S |
| 39.192 | 0.0000 | 0.0000 | 80.032 | 2.49783 | 0.00000 | 789605.1 | 614090.7 | 0.0 | S |
| 39.200 | 0.0000 | 0.0000 | 80.030 | 2.49631 | 0.00000 | 789605.1 | 614165.6 | 0.0 | S |
| 39.208 | 0.0000 | 0.0000 | 80.029 | 2.49479 | 0.00000 | 789605.1 | 614240.4 | 0.0 | S |
| 39.217 | 0.0000 | 0.0000 | 80.027 | 2.49327 | 0.00000 | 789605.1 | 614315.3 | 0.0 | S |
| 39.225 | 0.0000 | 0.0000 | 80.026 | 2.49175 | 0.00000 | 789605.1 | 614390.1 | 0.0 | S |
| 39.233 | 0.0000 | 0.0000 | 80.024 | 2.49023 | 0.00000 | 789605.1 | 614464.8 | 0.0 | S |
| 39.242 | 0.0000 | 0.0000 | 80.023 | 2.48872 | 0.00000 | 789605.1 | 614539.5 | 0.0 | S |
| 39.250 | 0.0000 | 0.0000 | 80.022 | 2.48721 | 0.00000 | 789605.1 | 614614.1 | 0.0 | S |
| 39.258 | 0.0000 | 0.0000 | 80.020 | 2.48570 | 0.00000 | 789605.1 | 614688.7 | 0.0 | S |
| 39.267 | 0.0000 | 0.0000 | 80.019 | 2.48419 | 0.00000 | 789605.1 | 614763.3 | 0.0 | S |
| 39.275 | 0.0000 | 0.0000 | 80.017 | 2.48268 | 0.00000 | 789605.1 | 614837.8 | 0.0 | S |
| 39.283 | 0.0000 | 0.0000 | 80.016 | 2.48118 | 0.00000 | 789605.1 | 614912.3 | 0.0 | S |
| 39.292 | 0.0000 | 0.0000 | 80.014 | 2.47968 | 0.00000 | 789605.1 | 614986.6 | 0.0 | S |
| 39.300 | 0.0000 | 0.0000 | 80.013 | 2.47818 | 0.00000 | 789605.1 | 615061.0 | 0.0 | S |
| 39.308 | 0.0000 | 0.0000 | 80.011 | 2.47668 | 0.00000 | 789605.1 | 615135.3 | 0.0 | S |
| 39.317 | 0.0000 | 0.0000 | 80.010 | 2.47518 | 0.00000 | 789605.1 | 615209.6 | 0.0 | S |
| 39.325 | 0.0000 | 0.0000 | 80.008 | 2.47369 | 0.00000 | 789605.1 | 615283.8 | 0.0 | S |
| 39.333 | 0.0000 | 0.0000 | 80.007 | 2.47220 | 0.00000 | 789605.1 | 615358.0 | 0.0 | S |
| 39.342 | 0.0000 | 0.0000 | 80.005 | 2.47071 | 0.00000 | 789605.1 | 615432.2 | 0.0 | S |
| 39.350 | 0.0000 | 0.0000 | 80.004 | 2.46922 | 0.00000 | 789605.1 | 615506.3 | 0.0 | S |
| 39.358 | 0.0000 | 0.0000 | 80.002 | 2.46773 | 0.00000 | 789605.1 | 615580.3 | 0.0 | S |
| 39.367 | 0.0000 | 0.0000 | 80.001 | 2.46625 | 0.00000 | 789605.1 | 615654.3 | 0.0 | S |
| 39.375 | 0.0000 | 0.0000 | 79.999 | 2.46476 | 0.00000 | 789605.1 | 615728.3 | 0.0 | S |
| 39.383 | 0.0000 | 0.0000 | 79.998 | 2.46328 | 0.00000 | 789605.1 | 615802.2 | 0.0 | S |
| 39.392 | 0.0000 | 0.0000 | 79.996 | 2.46181 | 0.00000 | 789605.1 | 615876.1 | 0.0 | S |
| 39.400 | 0.0000 | 0.0000 | 79.995 | 2.46033 | 0.00000 | 789605.1 | 615949.9 | 0.0 | S |
| 39.408 | 0.0000 | 0.0000 | 79.993 | 2.45885 | 0.00000 | 789605.1 | 616023.7 | 0.0 | S |
| 39.417 | 0.0000 | 0.0000 | 79.992 | 2.45738 | 0.00000 | 789605.1 | 616097.4 | 0.0 | S |
| 39.425 | 0.0000 | 0.0000 | 79.990 | 2.45591 | 0.00000 | 789605.1 | 616171.1 | 0.0 | S |
| 39.433 | 0.0000 | 0.0000 | 79.989 | 2.45444 | 0.00000 | 789605.1 | 616244.8 | 0.0 | S |
| 39.442 | 0.0000 | 0.0000 | 79.987 | 2.45297 | 0.00000 | 789605.1 | 616318.4 | 0.0 | S |
| 39.450 | 0.0000 | 0.0000 | 79.986 | 2.45151 | 0.00000 | 789605.1 | 616392.0 | 0.0 | S |
| 39.458 | 0.0000 | 0.0000 | 79.984 | 2.45004 | 0.00000 | 789605.1 | 616465.5 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation ( t datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 39.467 | 0.0000 | 0.0000 | 79.983 | 2.44858 | 0.00000 | 789605.1 | 616539.0 | 0.0 | S |
| 39.475 | 0.0000 | 0.0000 | 79.981 | 2.44712 | 0.00000 | 789605.1 | 616612.4 | 0.0 | S |
| 39.483 | 0.0000 | 0.0000 | 79.980 | 2.44566 | 0.00000 | 789605.1 | 616685.8 | 0.0 | S |
| 39.492 | 0.0000 | 0.0000 | 79.979 | 2.44421 | 0.00000 | 789605.1 | 616759.2 | 0.0 | S |
| 39.500 | 0.0000 | 0.0000 | 79.977 | 2.44275 | 0.00000 | 789605.1 | 616832.5 | 0.0 | S |
| 39.508 | 0.0000 | 0.0000 | 79.976 | 2.44130 | 0.00000 | 789605.1 | 616905.8 | 0.0 | S |
| 39.517 | 0.0000 | 0.0000 | 79.974 | 2.43985 | 0.00000 | 789605.1 | 616978.9 | 0.0 | S |
| 39.525 | 0.0000 | 0.0000 | 79.973 | 2.43840 | 0.00000 | 789605.1 | 617052.1 | 0.0 | S |
| 39.533 | 0.0000 | 0.0000 | 79.971 | 2.43696 | 0.00000 | 789605.1 | 617125.3 | 0.0 | S |
| 39.542 | 0.0000 | 0.0000 | 79.970 | 2.43551 | 0.00000 | 789605.1 | 617198.3 | 0.0 | S |
| 39.550 | 0.0000 | 0.0000 | 79.968 | 2.43407 | 0.00000 | 789605.1 | 617271.4 | 0.0 | S |
| 39.558 | 0.0000 | 0.0000 | 79.967 | 2.43263 | 0.00000 | 789605.1 | 617344.4 | 0.0 | S |
| 39.567 | 0.0000 | 0.0000 | 79.965 | 2.43119 | 0.00000 | 789605.1 | 617417.3 | 0.0 | S |
| 39.575 | 0.0000 | 0.0000 | 79.964 | 2.42975 | 0.00000 | 789605.1 | 617490.3 | 0.0 | S |
| 39.583 | 0.0000 | 0.0000 | 79.962 | 2.42831 | 0.00000 | 789605.1 | 617563.1 | 0.0 | S |
| 39.592 | 0.0000 | 0.0000 | 79.961 | 2.42688 | 0.00000 | 789605.1 | 617635.9 | 0.0 | S |
| 39.600 | 0.0000 | 0.0000 | 79.959 | 2.42545 | 0.00000 | 789605.1 | 617708.8 | 0.0 | S |
| 39.608 | 0.0000 | 0.0000 | 79.958 | 2.42402 | 0.00000 | 789605.1 | 617781.5 | 0.0 | S |
| 39.617 | 0.0000 | 0.0000 | 79.956 | 2.42259 | 0.00000 | 789605.1 | 617854.2 | 0.0 | S |
| 39.625 | 0.0000 | 0.0000 | 79.955 | 2.42116 | 0.00000 | 789605.1 | 617926.8 | 0.0 | S |
| 39.633 | 0.0000 | 0.0000 | 79.954 | 2.41974 | 0.00000 | 789605.1 | 617999.4 | 0.0 | S |
| 39.642 | 0.0000 | 0.0000 | 79.952 | 2.41831 | 0.00000 | 789605.1 | 618072.0 | 0.0 | S |
| 39.650 | 0.0000 | 0.0000 | 79.951 | 2.41689 | 0.00000 | 789605.1 | 618144.6 | 0.0 | S |
| 39.658 | 0.0000 | 0.0000 | 79.949 | 2.41547 | 0.00000 | 789605.1 | 618217.1 | 0.0 | S |
| 39.667 | 0.0000 | 0.0000 | 79.948 | 2.41405 | 0.00000 | 789605.1 | 618289.5 | 0.0 | S |
| 39.675 | 0.0000 | 0.0000 | 79.946 | 2.41264 | 0.00000 | 789605.1 | 618361.9 | 0.0 | S |
| 39.683 | 0.0000 | 0.0000 | 79.945 | 2.41122 | 0.00000 | 789605.1 | 618434.3 | 0.0 | S |
| 39.692 | 0.0000 | 0.0000 | 79.943 | 2.40981 | 0.00000 | 789605.1 | 618506.6 | 0.0 | S |
| 39.700 | 0.0000 | 0.0000 | 79.942 | 2.40840 | 0.00000 | 789605.1 | 618578.8 | 0.0 | S |
| 39.708 | 0.0000 | 0.0000 | 79.940 | 2.40699 | 0.00000 | 789605.1 | 618651.1 | 0.0 | S |
| 39.717 | 0.0000 | 0.0000 | 79.939 | 2.40558 | 0.00000 | 789605.1 | 618723.3 | 0.0 | S |
| 39.725 | 0.0000 | 0.0000 | 79.937 | 2.40418 | 0.00000 | 789605.1 | 618795.4 | 0.0 | S |
| 39.733 | 0.0000 | 0.0000 | 79.936 | 2.40277 | 0.00000 | 789605.1 | 618867.5 | 0.0 | S |
| 39.742 | 0.0000 | 0.0000 | 79.935 | 2.40137 | 0.00000 | 789605.1 | 618939.6 | 0.0 | S |
| 39.750 | 0.0000 | 0.0000 | 79.933 | 2.39997 | 0.00000 | 789605.1 | 619031.6 | 0.0 | S |
| 39.758 | 0.0000 | 0.0000 | 79.932 | 2.39857 | 0.00000 | 789605.1 | 619083.6 | 0.0 | S |
| 39.767 | 0.0000 | 0.0000 | 79.930 | 2.39718 | 0.00000 | 789605.1 | 619155.5 | 0.0 | S |
| 39.775 | 0.0000 | 0.0000 | 79.929 | 2.39578 | 0.00000 | 789605.1 | 619227.4 | 0.0 | S |
| 39.783 | 0.0000 | 0.0000 | 79.927 | 2.39439 | 0.00000 | 789605.1 | 619299.3 | 0.0 | S |
| 39.792 | 0.0000 | 0.0000 | 79.926 | 2.39300 | 0.00000 | 789605.1 | 619371.1 | 0.0 | S |
| 39.800 | 0.0000 | 0.0000 | 79.924 | 2.39161 | 0.00000 | 789605.1 | 619442.8 | 0.0 | S |
| 39.808 | 0.0000 | 0.0000 | 79.923 | 2.39022 | 0.00000 | 789605.1 | 619514.6 | 0.0 | S |
| 39.817 | 0.0000 | 0.0000 | 79.921 | 2.38883 | 0.00000 | 789605.1 | 619586.3 | 0.0 | S |
| 39.825 | 0.0000 | 0.0000 | 79.920 | 2.38745 | 0.00000 | 789605.1 | 619657.9 | 0.0 | S |
| 39.833 | 0.0000 | 0.0000 | 79.919 | 2.38606 | 0.00000 | 789605.1 | 619729.5 | 0.0 | S |
| 39.842 | 0.0000 | 0.0000 | 79.917 | 2.38468 | 0.00000 | 789605.1 | 619801.1 | 0.0 | S |
| 39.850 | 0.0000 | 0.0000 | 79.916 | 2.38330 | 0.00000 | 789605.1 | 619872.6 | 0.0 | S |
| 39.858 | 0.0000 | 0.0000 | 79.914 | 2.38193 | 0.00000 | 789605.1 | 619944.1 | 0.0 | S |
| 39.867 | 0.0000 | 0.0000 | 79.913 | 2.38055 | 0.00000 | 789605.1 | 620015.5 | 0.0 | S |
| 39.875 | 0.0000 | 0.0000 | 79.911 | 2.37918 | 0.00000 | 789605.1 | 620086.9 | 0.0 | S |
| 39.883 | 0.0000 | 0.0000 | 79.910 | 2.37780 | 0.00000 | 789605.1 | 620158.3 | 0.0 | S |
| 39.892 | 0.0000 | 0.0000 | 79.908 | 2.37643 | 0.00000 | 789605.1 | 620229.6 | 0.0 | S |
| 39.900 | 0.0000 | 0.0000 | 79.907 | 2.37506 | 0.00000 | 789605.1 | 620300.8 | 0.0 | S |
| 39.908 | 0.0000 | 0.0000 | 79.906 | 2.37369 | 0.00000 | 789605.1 | 620372.1 | 0.0 | S |
| 39.917 | 0.0000 | 0.0000 | 79.904 | 2.37233 | 0.00000 | 789605.1 | 620443.3 | 0.0 | S |
| 39.925 | 0.0000 | 0.0000 | 79.903 | 2.37096 | 0.00000 | 789605.1 | 620514.4 | 0.0 | S |
| 39.933 | 0.0000 | 0.0000 | 79.901 | 2.36960 | 0.00000 | 789605.1 | 620585.5 | 0.0 | S |
| 39.942 | 0.0000 | 0.0000 | 79.900 | 2.36824 | 0.00000 | 789605.1 | 620656.6 | 0.0 | S |
| 39.950 | 0.0000 | 0.0000 | 79.898 | 2.36688 | 0.00000 | 789605.1 | 620727.6 | 0.0 | S |
| 39.958 | 0.0000 | 0.0000 | 79.897 | 2.36552 | 0.00000 | 789605.1 | 620798.6 | 0.0 | S |
| 39.967 | 0.0000 | 0.0000 | 79.895 | 2.36417 | 0.00000 | 789605.1 | 620869.5 | 0.0 | S |
| 39.975 | 0.0000 | 0.0000 | 79.894 | 2.36281 | 0.00000 | 789605.1 | 620940.4 | 0.0 | S |
| 39.983 | 0.0000 | 0.0000 | 79.893 | 2.36146 | 0.00000 | 789605.1 | 621011.3 | 0.0 | S |
| 39.992 | 0.0000 | 0.0000 | 79.891 | 2.36011 | 0.00000 | 789605.1 | 621082.1 | 0.0 | S |
| 40.000 | 0.0000 | 0.0000 | 79.890 | 2.35876 | 0.00000 | 789605.1 | 621152.9 | 0.0 | S |
| 40.008 | 0.0000 | 0.0000 | 79.888 | 2.35741 | 0.00000 | 789605.1 | 621223.6 | 0.0 | S |
| 40.017 | 0.0000 | 0.0000 | 79.887 | 2.35606 | 0.00000 | 789605.1 | 621294.3 | 0.0 | S |
| 40.025 | 0.0000 | 0.0000 | 79.885 | 2.35472 | 0.00000 | 789605.1 | 621365.0 | 0.0 | S |
| 40.033 | 0.0000 | 0.0000 | 79.884 | 2.35338 | 0.00000 | 789605.1 | 621435.6 | 0.0 | S |
| 40.042 | 0.0000 | 0.0000 | 79.882 | 2.35204 | 0.00000 | 789605.1 | 621506.2 | 0.0 | S |
| 40.050 | 0.0000 | 0.0000 | 79.881 | 2.35070 | 0.00000 | 789605.1 | 621576.8 | 0.0 | S |
| 40.058 | 0.0000 | 0.0000 | 79.880 | 2.34936 | 0.00000 | 789605.1 | 621647.3 | 0.0 | S |
| 40.067 | 0.0000 | 0.0000 | 79.878 | 2.34802 | 0.00000 | 789605.1 | 621717.7 | 0.0 | S |
| 40.075 | 0.0000 | 0.0000 | 79.877 | 2.34669 | 0.00000 | 789605.1 | 621788.1 | 0.0 | S |

# PONDS Version 3.2.0207 

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{1 / 3}$ ) | Outside Recharge (fl/day) | Stage Elevation (ft datum) | infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infilitration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 40.083 | 0.0000 | 0.0000 | 79.875 | 2.34535 | 0.00000 | 789605.1 | 621858.5 | 0.0 | S |
| 40.092 | 0.0000 | 0.0000 | 79.874 | 2.34402 | 0.00000 | 789605.1 | 621928.8 | 0.0 | S |
| 40.100 | 0.0000 | 0.0000 | 79.872 | 2.34269 | 0.00000 | 789605.1 | 621999.1 | 0.0 | S |
| 40.108 | 0.0000 | 0.0000 | 79.871 | 2.34136 | 0.00000 | 789605.1 | 622069.4 | 0.0 | S |
| 40.117 | 0.0000 | 0.0000 | 79.869 | 2.34004 | 0.00000 | 789605.1 | 622139.6 | 0.0 | S |
| 40.125 | 0.0000 | 0.0000 | 79.868 | 2.33871 | 0.00000 | 789605.1 | 622209.8 | 0.0 | S |
| 40.133 | 0.0000 | 0.0000 | 79.867 | 2.33739 | 0.00000 | 789605.1 | 622279.9 | 0.0 | S |
| 40.142 | 0.0000 | 0.0000 | 79.865 | 2.33607 | 0.00000 | 789605.1 | 622350.1 | 0.0 | S |
| 40.150 | 0.0000 | 0.0000 | 79.864 | 2.33474 | 0.00000 | 789605.1 | 622420.1 | 0.0 | S |
| 40.158 | 0.0000 | 0.0000 | 79.862 | 2.33343 | 0.00000 | 789605.1 | 622490.1 | 0.0 | S |
| 40.167 | 0.0000 | 0.0000 | 79.861 | 2.33211 | 0.00000 | 789605.1 | 622560.1 | 0.0 | S |
| 40.175 | 0.0000 | 0.0000 | 79.859 | 2.33079 | 0.00000 | 789605.1 | 622630.1 | 0.0 | S |
| 40.183 | 0.0000 | 0.0000 | 79.858 | 2.32948 | 0.00000 | 789605.1 | 622699.9 | 0.0 | S |
| 40.192 | 0.0000 | 0.0000 | 79.857 | 2.32817 | 0.00000 | 789605.1 | 622769.8 | 0.0 | S |
| 40.200 | 0.0000 | 0.0000 | 79.855 | 2.32685 | 0.00000 | 789605.1 | 622839.6 | 0.0 | S |
| 40.208 | 0.0000 | 0.0000 | 79.854 | 2.32555 | 0.00000 | 789605.1 | 622909.4 | 0.0 | S |
| 40.217 | 0.0000 | 0.0000 | 79.852 | 2.32424 | 0.00000 | 789605.1 | 622979,2 | 0.0 | S |
| 40.225 | 0.0000 | 0.0000 | 79.851 | 2.32293 | 0.00000 | 789605.1 | 623048.9 | 0.0 | S |
| 40.233 | 0.0000 | 0.0000 | 79.849 | 2.32163 | 0.00000 | 789605.1 | 623118.6 | 0.0 | S |
| 40.242 | 0.0000 | 0.0000 | 79.848 | 2.32032 | 0.00000 | 789605.1 | 623188.2 | 0.0 | S |
| 40.250 | 0.0000 | 0.0000 | 79.847 | 2.31902 | 0.00000 | 789605.1 | 623257.8 | 0.0 | S |
| 40.258 | 0.0000 | 0.0000 | 79.845 | 2.31772 | 0.00000 | 789605.1 | 623327.3 | 0.0 | S |
| 40.267 | 0.0000 | 0.0000 | 79.844 | 2.31642 | 0.00000 | 789605.1 | 623396.9 | 0.0 | S |
| 40.275 | 0.0000 | 0.0000 | 79.842 | 2.31513 | 0.00000 | 789605.1 | 623466.3 | 0.0 | S |
| 40.283 | 0.0000 | 0.0000 | 79.841 | 2.31383 | 0.00000 | 789605.1 | 623535.8 | 0.0 | S |
| 40.292 | 0.0000 | 0.0000 | 79.839 | 2.31254 | 0.00000 | 789605.1 | 623605.1 | 0.0 | S |
| 40.300 | 0.0000 | 0.0000 | 79.838 | 2.31124 | 0.00000 | 789605.1 | 623674.5 | 0.0 | S |
| 40.308 | 0.0000 | 0.0000 | 79.837 | 2.30995 | 0.00000 | 789605.1 | 623743.8 | 0.0 | S |
| 40.317 | 0.0000 | 0.0000 | 79.835 | 2,30866 | 0.00000 | 789605.1 | 623813.1 | 0.0 | S |
| 40.325 | 0.0000 | 0.0000 | 79.834 | 2.30737 | 0.00000 | 789605.1 | 623882.3 | 0.0 | S |
| 40.333 | 0.0000 | 0.0000 | 79.832 | 2.30609 | 0.00000 | 789605.1 | 623951.6 | 0.0 | S |
| 40.342 | 0.0000 | 0.0000 | 79.831 | 2.30480 | 0.00000 | 789605.1 | 624020.7 | 0.0 | S |
| 40.350 | 0.0000 | 0.0000 | 79.830 | 2.30352 | 0.00000 | 789605.1 | 624089.8 | 0.0 | S |
| 40.358 | 0.0000 | 0.0000 | 79.828 | 2.30224 | 0.00000 | 789605.1 | 624158.9 | 0.0 | S |
| 40.367 | 0.0000 | 0.0000 | 79.827 | 2.30096 | 0.00000 | 789605.1 | 624227.9 | 0.0 | S |
| 40.375 | 0.0000 | 0.0000 | 79.825 | 2.29968 | 0.00000 | 789605.1 | 624297.0 | 0.0 | S |
| 40.383 | 0.0000 | 0.0000 | 79.824 | 2.29840 | 0.00000 | 789605.1 | 624365.9 | 0.0 | S |
| 40.392 | 0.0000 | 0.0000 | 79.822 | 2.29713 | 0.00000 | 789605.1 | 624434.9 | 0.0 | S |
| 40.400 | 0.0000 | 0.0000 | 79.821 | 2.29585 | 0.00000 | 789605.1 | 624503.8 | 0.0 | S |
| 40.408 | 0.0000 | 0.0000 | 79.820 | 2.29458 | 0.00000 | 789605.1 | 624572.6 | 0.0 | S |
| 40.417 | 0.0000 | 0.0000 | 79.818 | 2.29331 | 0.00000 | 789605.1 | 624641.4 | 0.0 | S |
| 40.425 | 0.0000 | 0.0000 | 79.817 | 2.29204 | 0.00000 | 789605.1 | 624710.3 | 0.0 | S |
| 40.433 | 0.0000 | 0.0000 | 79.815 | 2.29077 | 0.00000 | 789605.1 | 624779.0 | 0.0 | S |
| 40.442 | 0.0000 | 0.0000 | 79.814 | 2.28950 | 0.00000 | 789605.1 | 624847.7 | 0.0 | S |
| 40.450 | 0.0000 | 0.0000 | 79.813 | 2.28824 | 0.00000 | 789605.1 | 624916.3 | 0.0 | S |
| 40.458 | 0.0000 | 0.0000 | 79.811 | 2.28697 | 0.00000 | 789605.1 | 624985.0 | 0.0 | S |
| 40.467 | 0.0000 | 0.0000 | 79.810 | 2.28571 | 0.00000 | 789605.1 | 625053.6 | 0.0 | S |
| 40.475 | 0.0000 | 0.0000 | 79.808 | 2.28445 | 0.00000 | 789605.1 | 625122.1 | 0.0 | S |
| 40.483 | 0.0000 | 0.0000 | 79.807 | 2.28319 | 0.00000 | 789605.1 | 625190.6 | 0.0 | S |
| 40.492 | 0.0000 | 0.0000 | 79.805 | 2.28193 | 0.00000 | 789605.1 | 625259.1 | 0.0 | S |
| 40.500 | 0.0000 | 0.0000 | 79.804 | 2.28067 | 0.00000 | 789605.1 | 625327.6 | 0.0 | S |
| 40.508 | 0.0000 | 0.0000 | 79.803 | 2.27942 | 0.00000 | 789605.1 | 625395.9 | 0.0 | S |
| 40.517 | 0.0000 | 0.0000 | 79.801 | 2.27816 | 0.00000 | 789605.1 | 625464.3 | 0.0 | S |
| 40.525 | 0.0000 | 0.0000 | 79.800 | 2.27691 | 0.00000 | 789605.1 | 625532.6 | 0.0 | S |
| 40.533 | 0.0000 | 0.0000 | 79.798 | 2.27566 | 0.00000 | 789605.1 | 625600.9 | 0.0 | S |
| 40.542 | 0.0000 | 0.0000 | 79.797 | 2.27441 | 0.00000 | 789605.1 | 625669.2 | 0.0 | S |
| 40.550 | 0.0000 | 0.0000 | 79.796 | 2.27316 | 0.00000 | 789605.1 | 625737.4 | 0.0 | S |
| 40.558 | 0.0000 | 0.0000 | 79.794 | 2.27192 | 0.00000 | 789605.1 | 625805.6 | 0.0 | S |
| 40.567 | 0.0000 | 0.0000 | 79.793 | 2.27067 | 0.00000 | 789605.1 | 625873.7 | 0.0 | S |
| 40.575 | 0.0000 | 0.0000 | 79.791 | 2.26943 | 0.00000 | 789605.1 | 625941.8 | 0.0 | S |
| 40.583 | 0.0000 | 0.0000 | 79.790 | 2.26819 | 0.00000 | 789605.1 | 626009.9 | 0.0 | S |
| 40.592 | 0.0000 | 0.0000 | 79.789 | 2.26694 | 0.00000 | 789605.1 | 626077.9 | 0.0 | S |
| 40.600 | 0.0000 | 0.0000 | 79.787 | 2.26570 | 0.00000 | 789605.1 | 626145.9 | 0.0 | S |
| 40.608 | 0.0000 | 0.0000 | 79.786 | 2.26447 | 0.00000 | 789605.1 | 626213.8 | 0.0 | S |
| 40.617 | 0.0000 | 0.0000 | 79.784 | 2.26323 | 0.00000 | 789605.1 | 626281.8 | 0.0 | S |
| 40.625 | 0.0000 | 0.0000 | 79.783 | 2.26199 | 0.00000 | 789605.1 | 626349.6 | 0.0 | S |
| 40.633 | 0.0000 | 0.0000 | 79.782 | 2.26076 | 0.00000 | 789605.1 | 626417.5 | 0.0 | S |
| 40.642 | 0.0000 | 0.0000 | 79.780 | 2.25953 | 0.00000 | 789605.1 | 626485.3 | 0.0 | S |
| 40.650 | 0.0000 | 0.0000 | 79.779 | 2.25830 | 0.00000 | 789605.1 | 626553.1 | 0.0 | S |
| 40.658 | 0.0000 | 0.0000 | 79.777 | 2.25707 | 0.00000 | 789605.1 | 626620.8 | 0.0 | S |
| 40.667 | 0.0000 | 0.0000 | 79.776 | 2.25584 | 0.00000 | 789605.1 | 626688.4 | 0.0 | S |
| 40.675 | 0.0000 | 0.0000 | 79.775 | 2.25461 | 0.00000 | 789605.1 | 626756.1 | 0.0 | S |
| 40.683 | 0.0000 | 0.0000 | 79.773 | 2.25339 | 0.00000 | 789605.1 | 626823.8 | 0.0 | S |
| 40.692 | 0.0000 | 0.0000 | 79.772 | 2.25216 | 0.00000 | 789605.1 | 626891.3 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 5100 yr/24 hr

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation ( H datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Discharge Volume (ft ${ }^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 40.700 | 0.0000 | 0.0000 | 79.770 | 2.25094 | 0.00000 | 789605.1 | 626958.9 | 0.0 | S |
| 40.708 | 0.0000 | 0.0000 | 79.769 | 2.24972 | 0.00000 | 789605.1 | 627026.4 | 0.0 | S |
| 40.717 | 0.0000 | 0.0000 | 79.768 | 2.24850 | 0.00000 | 789605.1 | 627093.9 | 0.0 | S |
| 40.725 | 0.0000 | 0.0000 | 79.766 | 2.24728 | 0.00000 | 789605.1 | 627161.3 | 0.0 | S |
| 40.733 | 0.0000 | 0.0000 | 79.765 | 2.24606 | 0.00000 | 789605.1 | 627228.7 | 0.0 | S |
| 40.742 | 0.0000 | 0.0000 | 79.763 | 2.24485 | 0.00000 | 789605.1 | 627296.1 | 0.0 | S |
| 40.750 | 0.0000 | 0.0000 | 79.762 | 2.24363 | 0.00000 | 789605.1 | 627363.4 | 0.0 | S |
| 40.758 | 0.0000 | 0.0000 | 79.761 | 2.24242 | 0.00000 | 789605.1 | 627430.7 | 0.0 | S |
| 40.767 | 0.0000 | 0.0000 | 79.759 | 2.24121 | 0.00000 | 789605.1 | 627497.9 | 0.0 | S |
| 40.775 | 0.0000 | 0.0000 | 79.758 | 2.24000 | 0.00000 | 789605.1 | 627565.1 | 0.0 | S |
| 40.783 | 0.0000 | 0.0000 | 79.756 | 2.23879 | 0.00000 | 789605.1 | 627632.3 | 0.0 | S |
| 40.792 | 0.0000 | 0.0000 | 79.755 | 2.23758 | 0.00000 | 789605.1 | 627699.5 | 0.0 | S |
| 40.800 | 0.0000 | 0.0000 | 79.754 | 2.23638 | 0.00000 | 789605.1 | 627766.6 | 0.0 | S |
| 40.808 | 0.0000 | 0.0000 | 79.752 | 2.23517 | 0.00000 | 789605.1 | 627833.7 | 0.0 | S |
| 40.817 | 0.0000 | 0.0000 | 79.751 | 2.23397 | 0.00000 | 789605.1 | 627900.7 | 0.0 | S |
| 40.825 | 0.0000 | 0.0000 | 79.749 | 2.23277 | 0.00000 | 789605.1 | 627967.7 | 0.0 | S |
| 40.833 | 0.0000 | 0.0000 | 79.748 | 2.23157 | 0.00000 | 789605.1 | 628034.7 | 0.0 | S |
| 40.842 | 0.0000 | 0.0000 | 79.747 | 2.23037 | 0.00000 | 789605.1 | 628101.6 | 0.0 | S |
| 40.850 | 0.0000 | 0.0000 | 79.745 | 2.22917 | 0.00000 | 789605.1 | 628168.5 | 0.0 | S |
| 40.858 | 0.0000 | 0.0000 | 79.744 | 2.22797 | 0.00000 | 789605.1 | 628235.3 | 0.0 | S |
| 40.867 | 0.0000 | 0.0000 | 79.742 | 2.22678 | 0.00000 | 789605.1 | 628302.2 | 0.0 | S |
| 40.875 | 0.0000 | 0.0000 | 79.741 | 2.22558 | 0.00000 | 789605.1 | 628368.9 | 0.0 | S |
| 40.883 | 0.0000 | 0.0000 | 79.740 | 2.22439 | 0.00000 | 789605.1 | 628435.7 | 0.0 | S |
| 40.892 | 0.0000 | 0.0000 | 79.738 | 2.22320 | 0.00000 | 789605.1 | 628502.4 | 0.0 | S |
| 40.900 | 0.0000 | 0.0000 | 79.737 | 2.22201 | 0.00000 | 789605.1 | 628569.1 | 0.0 | S |
| 40.908 | 0.0000 | 0.0000 | 79.735 | 2.22082 | 0.00000 | 789605.1 | 628635.8 | 0.0 | S |
| 40.917 | 0.0000 | 0.0000 | 79.734 | 2.21963 | 0.00000 | 789605.1 | 628702.3 | 0.0 | S |
| 40.925 | 0.0000 | 0.0000 | 79.733 | 2.21845 | 0.00000 | 789605.1 | 628768.9 | 0.0 | S |
| 40.933 | 0.0000 | 0.0000 | 79.731 | 2.21726 | 0.00000 | 789605.1 | 628835.4 | 0.0 | S |
| 40.942 | 0.0000 | 0.0000 | 79.730 | 2.21608 | 0.00000 | 789605.1 | 628901.9 | 0.0 | S |
| 40.950 | 0.0000 | 0.0000 | 79.729 | 2.21490 | 0.00000 | 789605.1 | 628968.4 | 0.0 | S |
| 40.958 | 0.0000 | 0.0000 | 79.727 | 2.21372 | 0.00000 | 789605.1 | 629034.8 | 0.0 | S |
| 40.967 | 0.0000 | 0.0000 | 79.726 | 2.21254 | 0.00000 | 789605.1 | 629101.3 | 0.0 | S |
| 40.975 | 0.0000 | 0.0000 | 79.724 | 2.21136 | 0.00000 | 789605.1 | 629167.6 | 0.0 | S |
| 40.983 | 0.0000 | 0.0000 | 79.723 | 2.21018 | 0.00000 | 789605.1 | 629233.9 | 0.0 | S |
| 40.992 | 0.0000 | 0.0000 | 79.722 | 2.20901 | 0.00000 | 789605.1 | 629300.2 | 0.0 | S |
| 41.000 | 0.0000 | 0.0000 | 79.720 | 2.20783 | 0.00000 | 789605.1 | 629366.4 | 0.0 | S |
| 41.008 | 0.0000 | 0.0000 | 79.719 | 2.20666 | 0.00000 | 789605.1 | 629432.7 | 0.0 | S |
| 41.017 | 0.0000 | 0.0000 | 79.717 | 2.20549 | 0.00000 | 789605.1 | 629498.9 | 0.0 | S |
| 41.025 | 0.0000 | 0.0000 | 79.716 | 2.20432 | 0.00000 | 789605.1 | 629565.0 | 0.0 | S |
| 41.033 | 0.0000 | 0.0000 | 79.715 | 2.20315 | 0.00000 | 789605.1 | 629631.1 | 0.0 | S |
| 41.042 | 0.0000 | 0.0000 | 79.713 | 2.20198 | 0.00000 | 789605.1 | 629697.2 | 0.0 | S |
| 41.050 | 0.0000 | 0.0000 | 79.712 | 2.20081 | 0.00000 | 789605.1 | 629763.3 | 0.0 | S |
| 41.058 | 0.0000 | 0.0000 | 79.711 | 2.19965 | 0.00000 | 789605.1 | 629829.3 | 0.0 | S |
| 41.067 | 0.0000 | 0.0000 | 79.709 | 2.19848 | 0.00000 | 789605.1 | 629895.2 | 0.0 | S |
| 41.075 | 0.0000 | 0.0000 | 79.708 | 2.19732 | 0.00000 | 789605.1 | 629961.1 | 0.0 | S |
| 41.083 | 0.0000 | 0.0000 | 79.706 | 2.19616 | 0.00000 | 789605.1 | 630027.1 | 0.0 | S |
| 41.092 | 0.0000 | 0.0000 | 79.705 | 2.19500 | 0.00000 | 789605.1 | 630092.9 | 0.0 | S |
| 41.100 | 0.0000 | 0.0000 | 79.704 | 2.19384 | 0.00000 | 789605.1 | 630158.8 | 0.0 | S |
| 41.108 | 0.0000 | 0.0000 | 79.702 | 2.19268 | 0.00000 | 789605.1 | 630224.6 | 0.0 | S |
| 41.117 | 0.0000 | 0.0000 | 79.701 | 2.19153 | 0.00000 | 789605.1 | 630290.3 | 0.0 | S |
| 41.125 | 0.0000 | 0.0000 | 79.700 | 2.19037 | 0.00000 | 789605.1 | 630356.1 | 0.0 | S |
| 41.133 | 0.0000 | 0.0000 | 79.698 | 2.18922 | 0.00000 | 789605.1 | 630421.8 | 0.0 | S |
| 41.142 | 0.0000 | 0.0000 | 79.697 | 2.18807 | 0.00000 | 789605.1 | 630487.4 | 0.0 | S |
| 41.150 | 0.0000 | 0.0000 | 79.695 | 2.18692 | 0.00000 | 789605.1 | 630553.0 | 0.0 | S |
| 41.158 | 0.0000 | 0.0000 | 79.694 | 2.18577 | 0.00000 | 789605.1 | 630618.6 | 0.0 | S |
| 41.167 | 0.0000 | 0.0000 | 79.693 | 2.18462 | 0.00000 | 789605.1 | 630684.2 | 0.0 | S |
| 41.175 | 0.0000 | 0.0000 | 79.691 | 2.18347 | 0.00000 | 789605.1 | 630749.7 | 0.0 | S |
| 41.183 | 0.0000 | 0.0000 | 79.690 | 2.18232 | 0.00000 | 789605.1 | 630815.2 | 0.0 | S |
| 41.192 | 0.0000 | 0.0000 | 79.689 | 2.18118 | 0.00000 | 789605.1 | 630880.6 | 0.0 | S |
| 41.200 | 0.0000 | 0.0000 | 79.687 | 2.18003 | 0.00000 | 789605.1 | 630946.1 | 0.0 | S |
| 41.208 | 0.0000 | 0.0000 | 79.686 | 2,17889 | 0.00000 | 789605.1 | 631011.4 | 0.0 | S |
| 41.217 | 0,0000 | 0.0000 | 79.684 | 2.17775 | 0.00000 | 789605.1 | 631076.8 | 0.0 | S |
| 41.225 | 0.0000 | 0.0000 | 79.683 | 2.17661 | 0.00000 | 789605.1 | 631142.1 | 0.0 | S |
| 41.233 | 0.0000 | 0.0000 | 79.682 | 2.17547 | 0.00000 | 789605.1 | 631207.4 | 0.0 | S |
| 41.242 | 0.0000 | 0.0000 | 79.680 | 2.17433 | 0.00000 | 789605.1 | 631272.6 | 0.0 | S |
| 41.250 | 0.0000 | 0.0000 | 79.679 | 2.17320 | 0.00000 | 789605.1 | 631337.8 | 0.0 | S |
| 41.258 | 0.0000 | 0.0000 | 79.678 | 2.17206 | 0.00000 | 789605.1 | 631403.0 | 0.0 | S |
| 41.267 | 0.0000 | 0.0000 | 79.676 | 2.17093 | 0.00000 | 789605.1 | 631468.1 | 0.0 | S |
| 41.275 | 0.0000 | 0.0000 | 79.675 | 2.16980 | 0.00000 | 789605.1 | 631533.3 | 0.0 | S |
| 41.283 | 0.0000 | 0.0000 | 79.673 | 2.16866 | 0.00000 | 789605.1 | 631598.3 | 0.0 | S |
| 41.292 | 0.0000 | 0.0000 | 79.672 | 2.16753 | 0.00000 | 789605.1 | 631663.4 | 0.0 | S |
| 41.300 | 0.0000 | 0.0000 | 79.671 | 2.16640 | 0.00000 | 789605.1 | 631728.4 | 0.0 | S |
| 41.308 | 0.0000 | 0.0000 | 79.669 | 2.16528 | 0.00000 | 789605.1 | 631793.4 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 5100 yr / 24 hr

| Elapsed Time (hours) | inflow Rate (fty/s) | Outside Recharge (ft/day) | Stage Elevation (fl datum) | infiltration Rate (f $\mathrm{H}^{3} / \mathrm{s}$ ) | Overflow Discharge (f $\mathrm{t}^{3} / \mathrm{s}$ ) | $\begin{aligned} & \text { Cumulative } \\ & \text { Inflow } \\ & \text { Volume ( } \mathrm{f}^{3} \text { ) } \end{aligned}$ | Cumulative Infiltration Volume ( $\mathrm{Ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 41.317 | 0.0000 | 0.0000 | 79.668 | 2.16415 | 0.00000 | 789605.1 | 631858.3 | 0.0 | S |
| 41.325 | 0.0000 | 0.0000 | 79.667 | 2.16302 | 0.00000 | 789605.1 | 631923.3 | 0.0 | S |
| 41.333 | 0.0000 | 0.0000 | 79.665 | 2.16190 | 0.00000 | 789605.1 | 631988.1 | 0.0 | S |
| 41.342 | 0.0000 | 0.0000 | 79.664 | 2.16078 | 0.00000 | 789605.1 | 632052.9 | 0.0 | S |
| 41.350 | 0.0000 | 0.0000 | 79.663 | 2.15966 | 0.00000 | 789605.1 | 632117.8 | 0.0 | S |
| 41.358 | 0.0000 | 0.0000 | 79.661 | 2.15854 | 0.00000 | 789605.1 | 632182.5 | 0.0 | S |
| 41.367 | 0.0000 | 0.0000 | 79.660 | 2.15742 | 0.00000 | 789605.1 | 632247.3 | 0.0 | S |
| 41.375 | 0.0000 | 0.0000 | 79.658 | 2.15630 | 0.00000 | 789605.1 | 632311.9 | 0.0 | S |
| 41.383 | 0.0000 | 0.0000 | 79.657 | 2.15518 | 0.00000 | 789605.1 | 632376.6 | 0.0 | S |
| 41.392 | 0.0000 | 0.0000 | 79.656 | 2.15406 | 0.00000 | 789605.1 | 632441.3 | 0.0 | S |
| 41.400 | 0.0000 | 0.0000 | 79.654 | 2.15295 | 0.00000 | 789605.1 | 632505.9 | 0.0 | S |
| 41.408 | 0.0000 | 0.0000 | 79.653 | 2.15184 | 0.00000 | 789605.1 | 632570.4 | 0.0 | S |
| 41.417 | 0.0000 | 0.0000 | 79.652 | 2.15072 | 0.00000 | 789605.1 | 632635.0 | 0.0 | S |
| 41.425 | 0.0000 | 0.0000 | 79.650 | 2.14961 | 0.00000 | 789605.1 | 632699.5 | 0.0 | S |
| 41.433 | 0.0000 | 0.0000 | 79.649 | 2.14850 | 0.00000 | 789605.1 | 632763.9 | 0.0 | S |
| 41.442 | 0.0000 | 0.0000 | 79.648 | 2.14739 | 0.00000 | 789605.1 | 632828.4 | 0.0 | S |
| 41.450 | 0.0000 | 0.0000 | 79.646 | 2.14629 | 0.00000 | 789605.1 | 632892.8 | 0.0 | S |
| 41.458 | 0.0000 | 0.0000 | 79.645 | 2.14518 | 0.00000 | 789605.1 | 632957.2 | 0.0 | S |
| 41.467 | 0.0000 | 0.0000 | 79.643 | 2.14407 | 0.00000 | 789605.1 | 633021.5 | 0.0 | S |
| 41.475 | 0.0000 | 0.0000 | 79.642 | 2.14297 | 0.00000 | 789605.1 | 633085.8 | 0.0 | S |
| 41.483 | 0.0000 | 0.0000 | 79.641 | 2.14187 | 0.00000 | 789605.1 | 633150.1 | 0.0 | S |
| 41.492 | 0.0000 | 0.0000 | 79.639 | 2.14077 | 0.00000 | 789605.1 | 633214.3 | 0.0 | S |
| 41.500 | 0.0000 | 0.0000 | 79.638 | 2.13967 | 0.00000 | 789605.1 | 633278.6 | 0.0 | S |
| 41.508 | 0.0000 | 0.0000 | 79.637 | 2.13857 | 0.00000 | 789605.1 | 633342.7 | 0.0 | S |
| 41.517 | 0.0000 | 0.0000 | 79.635 | 2.13747 | 0.00000 | 789605.1 | 633406.9 | 0.0 | S |
| 41.525 | 0.0000 | 0.0000 | 79.634 | 2.13637 | 0.00000 | 789605.1 | 633470.9 | 0.0 | S |
| 41.533 | 0.0000 | 0.0000 | 79.633 | 2.13527 | 0.00000 | 789605.1 | 633535.1 | 0.0 | S |
| 41.542 | 0.0000 | 0.0000 | 79.631 | 2.13418 | 0.00000 | 789605.1 | 633599.1 | 0.0 | S |
| 41.550 | 0.0000 | 0.0000 | 79.630 | 2.13309 | 0.00000 | 789605.1 | 633663.1 | 0.0 | S |
| 41.558 | 0.0000 | 0.0000 | 79.628 | 2.13199 | 0.00000 | 789605.1 | 633727.1 | 0.0 | S |
| 41.567 | 0.0000 | 0.0000 | 79.627 | 2.13090 | 0.00000 | 789605.1 | 633791.0 | 0.0 | S |
| 41.575 | 0.0000 | 0.0000 | 79.626 | 2.12981 | 0.00000 | 789605.1 | 633854.9 | 0.0 | S |
| 41.583 | 0.0000 | 0.0000 | 79.624 | 2.12872 | 0.00000 | 789605.1 | 633918.8 | 0.0 | S |
| 41.592 | 0.0000 | 0.0000 | 79.623 | 2.12763 | 0.00000 | 789605.1 | 633982.6 | 0.0 | S |
| 41.600 | 0.0000 | 0.0000 | 79.622 | 2.12655 | 0.00000 | 789605.1 | 634046.4 | 0.0 | S |
| 41.608 | 0.0000 | 0.0000 | 79.620 | 2.12546 | 0.00000 | 789605.1 | 634110.3 | 0.0 | S |
| 41.617 | 0.0000 | 0.0000 | 79.619 | 2.12438 | 0.00000 | 789605.1 | 634174.0 | 0.0 | S |
| 41.625 | 0.0000 | 0.0000 | 79.618 | 2.12329 | 0.00000 | 789605.1 | 634237.7 | 0.0 | S |
| 41.633 | 0.0000 | 0.0000 | 79.616 | 2.12221 | 0.00000 | 789605.1 | 634301.4 | 0.0 | S |
| 41.642 | 0.0000 | 0.0000 | 79.615 | 2.12113 | 0.00000 | 789605.1 | 634365.0 | 0.0 | S |
| 41.650 | 0.0000 | 0.0000 | 79.614 | 2.12005 | 0.00000 | 789605.1 | 634428.6 | 0.0 | S |
| 41.658 | 0.0000 | 0.0000 | 79.612 | 2.11897 | 0.00000 | 789605.1 | 634492.3 | 0.0 | S |
| 41.667 | 0.0000 | 0.0000 | 79.611 | 2.11789 | 0.00000 | 789605.1 | 634555.8 | 0.0 | S |
| 41.675 | 0.0000 | 0.0000 | 79.610 | 2.11682 | 0.00000 | 789605.1 | 634619.3 | 0.0 | S |
| 41.683 | 0.0000 | 0.0000 | 79.608 | 2.11574 | 0.00000 | 789605.1 | 634682.8 | 0.0 | S |
| 41.692 | 0.0000 | 0.0000 | 79.607 | 2.11467 | 0.00000 | 789605.1 | 634746.3 | 0.0 | S |
| 41.700 | 0.0000 | 0.0000 | 79.606 | 2.11359 | 0.00000 | 789605.1 | 634809.7 | 0.0 | S |
| 41.708 | 0.0000 | 0.0000 | 79.604 | 2.11252 | 0.00000 | 789605.1 | 634873.1 | 0.0 | S |
| 41.717 | 0.0000 | 0.0000 | 79.603 | 2.11145 | 0.00000 | 789605.1 | 634936.4 | 0.0 | S |
| 41.725 | 0.0000 | 0.0000 | 79.601 | 2.11038 | 0.00000 | 789605.1 | 634999.8 | 0.0 | S |
| 41.733 | 0.0000 | 0.0000 | 79.600 | 2.10931 | 0.00000 | 789605.1 | 635063.1 | 0.0 | S |
| 41.742 | 0.0000 | 0.0000 | 79.599 | 2.10824 | 0.00000 | 789605.1 | 635126.3 | 0.0 | S |
| 41.750 | 0.0000 | 0.0000 | 79.597 | 2.10718 | 0.00000 | 789605.1 | 635189.6 | 0.0 | S |
| 41.758 | 0.0000 | 0.0000 | 79.596 | 2.10611 | 0.00000 | 789605.1 | 635252.8 | 0.0 | S |
| 41.767 | 0.0000 | 0.0000 | 79.595 | 2.10505 | 0.00000 | 789605.1 | 635315.9 | 0.0 | S |
| 41.775 | 0.0000 | 0.0000 | 79.593 | 2.10398 | 0.00000 | 789605.1 | 635379.1 | 0.0 | S |
| 41.783 | 0.0000 | 0.0000 | 79.592 | 2.10292 | 0.00000 | 789605.1 | 635442.1 | 0.0 | S |
| 41.792 | 0.0000 | 0.0000 | 79.591 | 2.10186 | 0.00000 | 789605.1 | 635505.2 | 0.0 | S |
| 41.800 | 0.0000 | 0.0000 | 79.589 | 2.10080 | 0.00000 | 789605.1 | 635568.3 | 0.0 | S |
| 41.808 | 0.0000 | 0.0000 | 79.588 | 2.09974 | 0.00000 | 789605.1 | 635631.3 | 0.0 | S |
| 41.817 | 0.0000 | 0.0000 | 79.587 | 2.09868 | 0.00000 | 789605.1 | 635694.3 | 0.0 | S |
| 41.825 | 0.0000 | 0.0000 | 79.585 | 2.09763 | 0.00000 | 789605.1 | 635757.2 | 0.0 | S |
| 41.833 | 0.0000 | 0.0000 | 79.584 | 2.09657 | 0.00000 | 789605.1 | 635820.1 | 0.0 | S |
| 41.842 | 0.0000 | 0.0000 | 79.583 | 2.09552 | 0.00000 | 789605.1 | 635883.0 | 0.0 | S |
| 41.850 | 0.0000 | 0.0000 | 79.581 | 2.09446 | 0.00000 | 789605.1 | 635945.8 | 0.0 | S |
| 41.858 | 0.0000 | 0.0000 | 79.580 | 2.09341 | 0.00000 | 789605.1 | 636008.6 | 0.0 | S |
| 41.867 | 0.0000 | 0.0000 | 79.579 | 2.09236 | 0.00000 | 789605.1 | 636071.4 | 0.0 | S |
| 41.875 | 0.0000 | 0.0000 | 79.577 | 2.09131 | 0.00000 | 789605.1 | 636134.2 | 0.0 | S |
| 41.883 | 0.0000 | 0.0000 | 79.576 | 2.09026 | 0.00000 | 789605.1 | 636196.9 | 0.0 | S |
| 41.892 | 0.0000 | 0.0000 | 79.575 | 2.08921 | 0.00000 | 789605.1 | 636259.6 | 0.0 | S |
| 41.900 | 0.0000 | 0.0000 | 79.573 | 2.08816 | 0.00000 | 789605.1 | 636322.3 | 0.0 | S |
| 41.908 | 0.0000 | 0.0000 | 79.572 | 2.08712 | 0.00000 | 789605.1 | 636384.9 | 0.0 | S |
| 41.917 | 0.0000 | 0.0000 | 79.571 | 2.08607 | 0.00000 | 789605.1 | 636447.5 | 0.0 | S |
| 41.925 | 0.0000 | 0.0000 | 79.569 | 2.08503 | 0.00000 | 789605.1 | 636510.1 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate (f $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (fUday) | Stage Elevation (ft datum) | Infiltration Rate (ft/s) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | $\begin{aligned} & \text { Cumulative } \\ & \text { Inflow } \\ & \text { Volume }\left(\mathrm{ft}^{3}\right) \end{aligned}$ | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 41.933 | 0.0000 | 0.0000 | 79.568 | 2.08398 | 0.00000 | 789605.1 | 636572.6 | 0.0 | S |
| 41.942 | 0.0000 | 0.0000 | 79.567 | 2.08294 | 0.00000 | 789605.1 | 636635.1 | 0.0 | S |
| 41.950 | 0.0000 | 0.0000 | 79.565 | 2.08190 | 0.00000 | 789605.1 | 636697.6 | 0.0 | S |
| 41.958 | 0.0000 | 0.0000 | 79.564 | 2.08086 | 0.00000 | 789605.1 | 636760.0 | 0.0 | S |
| 41.967 | 0.0000 | 0.0000 | 79.563 | 2.07982 | 0.00000 | 789605.1 | 636822.4 | 0.0 | S |
| 41.975 | 0.0000 | 0.0000 | 79.561 | 2.07878 | 0.00000 | 789605.1 | 636884.8 | 0.0 | S |
| 41.983 | 0.0000 | 0.0000 | 79.560 | 2.07775 | 0.00000 | 789605.1 | 636947.1 | 0.0 | S |
| 41.992 | 0.0000 | 0.0000 | 79.559 | 2.07671 | 0.00000 | 789605.1 | 637009.4 | 0.0 | S |
| 42.000 | 0.0000 | 0.0000 | 79.557 | 2.07568 | 0.00000 | 789605.1 | 637071.8 | 0.0 | S |
| 42.008 | 0.0000 | 0.0000 | 79.556 | 2.07464 | 0.00000 | 789605.1 | 637134.0 | 0.0 | S |
| 42.017 | 0.0000 | 0.0000 | 79.555 | 2.07361 | 0.00000 | 789605.1 | 637196.3 | 0.0 | S |
| 42.025 | 0.0000 | 0.0000 | 79.553 | 2.07258 | 0.00000 | 789605.1 | 637258.4 | 0.0 | S |
| 42.033 | 0.0000 | 0.0000 | 79.552 | 2.07155 | 0.00000 | 789605.1 | 637320.6 | 0.0 | S |
| 42.042 | 0.0000 | 0.0000 | 79.551 | 2.07052 | 0.00000 | 789605.1 | 637382.7 | 0.0 | S |
| 42.050 | 0.0000 | 0.0000 | 79.549 | 2.06949 | 0.00000 | 789605.1 | 637444.8 | 0.0 | S |
| 42.058 | 0.0000 | 0.0000 | 79.548 | 2.06846 | 0.00000 | 789605.1 | 637506.9 | 0.0 | S |
| 42.067 | 0.0000 | 0.0000 | 79.547 | 2.06744 | 0.00000 | 789605.1 | 637568.9 | 0.0 | S |
| 42.075 | 0.0000 | 0.0000 | 79.545 | 2.06641 | 0.00000 | 789605.1 | 637630.9 | 0.0 | S |
| 42.083 | 0.0000 | 0.0000 | 79.544 | 2.06539 | 0.00000 | 789605.1 | 637692.9 | 0.0 | S |
| 42.092 | 0.0000 | 0.0000 | 79.543 | 2.06436 | 0.00000 | 789605.1 | 637754.9 | 0.0 | S |
| 42.100 | 0.0000 | 0.0000 | 79.541 | 2.06334 | 0.00000 | 789605.1 | 637816.8 | 0.0 | S |
| 42.108 | 0.0000 | 0.0000 | 79.540 | 2.06232 | 0.00000 | 789605.1 | 637878.6 | 0.0 | S |
| 42.117 | 0.0000 | 0.0000 | 79.539 | 2.06130 | 0.00000 | 789605.1 | 637940.5 | 0.0 | S |
| 42.125 | 0.0000 | 0.0000 | 79.537 | 2.06028 | 0.00000 | 789605.1 | 638002.3 | 0.0 | S |
| 42.133 | 0.0000 | 0.0000 | 79.536 | 2.05926 | 0.00000 | 789605.1 | 638064.1 | 0.0 | S |
| 42.142 | 0.0000 | 0.0000 | 79.535 | 2.05825 | 0.00000 | 789605.1 | 638125.9 | 0.0 | S |
| 42.150 | 0.0000 | 0.0000 | 79.533 | 2.05723 | 0.00000 | 789605.1 | 638187.6 | 0.0 | S |
| 42.158 | 0.0000 | 0.0000 | 79.532 | 2.05621 | 0.00000 | 789605.1 | 638249.3 | 0.0 | S |
| 42.167 | 0.0000 | 0.0000 | 79.531 | 2.05520 | 0.00000 | 789605.1 | 638311.0 | 0.0 | S |
| 42.175 | 0.0000 | 0.0000 | 79.529 | 2.05419 | 0.00000 | 789605.1 | 638372.6 | 0.0 | S |
| 42.183 | 0.0000 | 0.0000 | 79.528 | 2.05318 | 0.00000 | 789605.1 | 638434.3 | 0.0 | S |
| 42.192 | 0.0000 | 0.0000 | 79.527 | 2.05216 | 0.00000 | 789605.1 | 638495.8 | 0.0 | S |
| 42.200 | 0.0000 | 0.0000 | 79.525 | 2.05115 | 0.00000 | 789605.1 | 638557.4 | 0.0 | S |
| 42.208 | 0.0000 | 0,0000 | 79.524 | 2.05014 | 0.00000 | 789605.1 | 638618.9 | 0.0 | S |
| 42.217 | 0.0000 | 0.0000 | 79.523 | 2.04914 | 0.00000 | 789605.1 | 638680.4 | 0.0 | S |
| 42.225 | 0.0000 | 0.0000 | 79.521 | 2.04813 | 0.00000 | 789605.1 | 638741.8 | 0.0 | S |
| 42.233 | 0.0000 | 0.0000 | 79.520 | 2.04712 | 0.00000 | 789605.1 | 638803.3 | 0.0 | S |
| 42.242 | 0.0000 | 0.0000 | 79.519 | 2.04612 | 0.00000 | 789605.1 | 638864.7 | 0.0 | S |
| 42.250 | 0.0000 | 0.0000 | 79.517 | 2.04511 | 0.00000 | 789605.1 | 638926.1 | 0.0 | S |
| 42.258 | 0.0000 | 0.0000 | 79.516 | 2.04411 | 0.00000 | 789605.1 | 638987.4 | 0.0 | S |
| 42.267 | 0.0000 | 0.0000 | 79.515 | 2.04311 | 0.00000 | 789605.1 | 639048.7 | 0.0 | S |
| 42.275 | 0.0000 | 0.0000 | 79.513 | 2.04211 | 0.00000 | 789605.1 | 639109.9 | 0.0 | S |
| 42.283 | 0.0000 | 0.0000 | 79.512 | 2.04111 | 0.00000 | 789605.1 | 639171.2 | 0.0 | S |
| 42.292 | 0.0000 | 0.0000 | 79.511 | 2.04011 | 0.00000 | 789605.1 | 639232.4 | 0.0 | S |
| 42.300 | 0.0000 | 0.0000 | 79.510 | 2.03911 | 0.00000 | 789605.1 | 639293.6 | 0.0 | S |
| 42.308 | 0.0000 | 0.0000 | 79.508 | 2.03811 | 0.00000 | 789605.1 | 639354.8 | 0.0 | S |
| 42.317 | 0.0000 | 0.0000 | 79.507 | 2.03712 | 0.00000 | 789605.1 | 639415.9 | 0.0 | S |
| 42.325 | 0.0000 | 0.0000 | 79.506 | 2.03612 | 0.00000 | 789605.1 | 639477.0 | 0.0 | S |
| 42.333 | 0.0000 | 0.0000 | 79.504 | 2.03513 | 0.00000 | 789605.1 | 639538.1 | 0.0 | S |
| 42.342 | 0.0000 | 0.0000 | 79.503 | 2.03413 | 0.00000 | 789605.1 | 639599.1 | 0.0 | S |
| 42.350 | 0.0000 | 0.0000 | 79.502 | 2.03314 | 0.00000 | 789605.1 | 639660.1 | 0.0 | S |
| 42.358 | 0.0000 | 0.0000 | 79.500 | 2.03215 | 0.00000 | 789605.1 | 639721.1 | 0.0 | S |
| 42.367 | 0.0000 | 0.0000 | 79.499 | 2.03116 | 0.00000 | 789605.1 | 639782.1 | 0.0 | S |
| 42.375 | 0.0000 | 0.0000 | 79.498 | 2.03017 | 0.00000 | 789605.1 | 639843.0 | 0.0 | S |
| 42.383 | 0.0000 | 0.0000 | 79.496 | 2.02918 | 0.00000 | 789605.1 | 639903.9 | 0.0 | S |
| 42.392 | 0.0000 | 0.0000 | 79.495 | 2.02819 | 0.00000 | 789605.1 | 639964.8 | 0.0 | S |
| 42.400 | 0.0000 | 0.0000 | 79.494 | 2.02721 | 0.00000 | 789605.1 | 640025.6 | 0.0 | S |
| 42.408 | 0.0000 | 0.0000 | 79.492 | 2.02622 | 0.00000 | 789605.1 | 640086.4 | 0.0 | S |
| 42.417 | 0.0000 | 0.0000 | 79.491 | 2.02524 | 0.00000 | 789605.1 | 640147.1 | 0.0 | S |
| 42.425 | 0.0000 | 0.0000 | 79.490 | 2,02425 | 0.00000 | 789605.1 | 640207.9 | 0.0 | S |
| 42.433 | 0.0000 | 0.0000 | 79.488 | 2.02327 | 0.00000 | 789605.1 | 640268.6 | 0.0 | S |
| 42.442 | 0.0000 | 0.0000 | 79.487 | 2.02229 | 0.00000 | 789605.1 | 640329.3 | 0.0 | S |
| 42.450 | 0.0000 | 0.0000 | 79.486 | 2.02131 | 0.00000 | 789605.1 | 640389.9 | 0.0 | S |
| 42.458 | 0.0000 | 0.0000 | 79.485 | 2.02033 | 0.00000 | 789605.1 | 640450.6 | 0.0 | S |
| 42.467 | 0.0000 | 0.0000 | 79.483 | 2.01935 | 0.00000 | 789605.1 | 640511.1 | 0.0 | S |
| 42.475 | 0.0000 | 0.0000 | 79.482 | 2.01837 | 0.00000 | 789605.1 | 640571.7 | 0.0 | S |
| 42.483 | 0.0000 | 0.0000 | 79.481 | 2.01739 | 0.00000 | 789605.1 | 640632.3 | 0.0 | S |
| 42.492 | 0.0000 | 0.0000 | 79.479 | 2.01641 | 0.00000 | 789605.1 | 640692.8 | 0.0 | S |
| 42.500 | 0.0000 | 0.0000 | 79.478 | 2.01544 | 0.00000 | 789605.1 | 640753.3 | 0.0 | S |
| 42.508 | 0.0000 | 0.0000 | 79.477 | 2.01447 | 0.00000 | 789605.1 | 640813.7 | 0.0 | S |
| 42.517 | 0.0000 | 0.0000 | 79.475 | 2.01349 | 0.00000 | 789605.1 | 640874.1 | 0.0 | S |
| 42.525 | 0.0000 | 0.0000 | 79.474 | 2.01252 | 0.00000 | 789605.1 | 640934.5 | 0.0 | S |
| 42.533 | 0.0000 | 0.0000 | 79.473 | 2.01155 | 0.00000 | 789605.1 | 640994.8 | 0.0 | S |
| 42.542 | 0.0000 | 0.0000 | 79.471 | 2.01058 | 0.00000 | 789605.1 | 641055.2 | 0.0 | S |

# Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E. 

Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$


PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{H}^{3 / \mathrm{s}}$ ) | Overflow Discharge $\left(\mathrm{f}^{3} / \mathrm{s}\right)$ | $\begin{aligned} & \text { Cumulative } \\ & \text { Inflow } \\ & \text { Volume ( } \mathrm{ft}^{\top} \text { ) } \\ & \hline \end{aligned}$ | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume $\left(\mathrm{ft}^{3}\right)$ | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 43.167 | 0.0000 | 0.0000 | 79.374 | 1.94032 | 0.00000 | 789605.1 | 645499.0 | 0.0 | S |
| 43.175 | 0.0000 | 0.0000 | 79.373 | \$. 93942 | 0.00000 | 789605.1 | 645557.2 | 0.0 | S |
| 43.183 | 0.0000 | 0.0000 | 79.372 | 1.93851 | 0.00000 | 789605.1 | 645615.4 | 0.0 | S |
| 43.192 | 0.0000 | 0.0000 | 79.370 | 1.93761 | 0.00000 | 789605.1 | 645673.5 | 0.0 | S |
| 43.200 | 0.0000 | 0.0000 | 79.369 | 1.93671 | 0.00000 | 789605.1 | 645734.6 | 0.0 | S |
| 43.208 | 0.0000 | 0.0000 | 79.368 | 1.93581 | 0.00000 | 789605.1 | 645789.8 | 0.0 | S |
| 43.217 | 0.0000 | 0.0000 | 79.367 | 1.93491 | 0.00000 | 789605.1 | 645847.8 | 0.0 | S |
| 43.225 | 0.0000 | 0.0000 | 79.365 | 1.93401 | 0.00000 | 789605.1 | 645905.8 | 0.0 | S |
| 43.233 | 0.0000 | 0.0000 | 79.364 | 1.93311 | 0.00000 | 789605.1 | 645963.8 | 0.0 | S |
| 43.242 | 0.0000 | 0.0000 | 79.363 | 1.93221 | 0.00000 | 789605.1 | 646021.8 | 0.0 | S |
| 43.250 | 0.0000 | 0.0000 | 79.361 | 1.93131 | 0.00000 | 789605.1 | 646079.8 | 0.0 | S |
| 43.258 | 0.0000 | 0.0000 | 79.360 | 1.93042 | 0.00000 | 789605.1 | 646137.7 | 0.0 | S |
| 43.267 | 0.0000 | 0.0000 | 79.359 | 1.92952 | 0.00000 | 789605.1 | 646195.6 | 0.0 | S |
| 43.275 | 0.0000 | 0.0000 | 79.358 | 1.92863 | 0.00000 | 789605.1 | 646253.4 | 0.0 | S |
| 43.283 | 0.0000 | 0.0000 | 79.356 | 1.92773 | 0.00000 | 789605.1 | 646311.3 | 0.0 | S |
| 43.292 | 0.0000 | 0.0000 | 79.355 | 1.92684 | 0.00000 | 789605.1 | 646369.1 | 0.0 | S |
| 43.300 | 0.0000 | 0.0000 | 79.354 | 1.92595 | 0.00000 | 789605.1 | 646426.9 | 0.0 | S |
| 43.308 | 0.0000 | 0.0000 | 79.352 | 1.92506 | 0.00000 | 789605.1 | 646484.7 | 0.0 | S |
| 43.317 | 0.0000 | 0.0000 | 79.351 | 1.92417 | 0.00000 | 789605.1 | 646542.4 | 0.0 | S |
| 43.325 | 0.0000 | 0.0000 | 79.350 | 1.92328 | 0.00000 | 789605.1 | 646600.1 | 0.0 | S |
| 43.333 | 0.0000 | 0.0000 | 79.349 | 1.92239 | 0.00000 | 789605.1 | 646657.8 | 0.0 | S |
| 43.342 | 0.0000 | 0.0000 | 79.347 | 1.92150 | 0.00000 | 789605.1 | 646715.4 | 0.0 | S |
| 43.350 | 0.0000 | 0.0000 | 79.346 | 1.92061 | 0.00000 | 789605.1 | 646773.1 | 0.0 | S |
| 43.358 | 0.0000 | 0.0000 | 79.345 | 1.91973 | 0.00000 | 789605.1 | 646830.7 | 0.0 | S |
| 43.367 | 0.0000 | 0.0000 | 79.344 | 1.91884 | 0.00000 | 789605.1 | 646888.3 | 0.0 | S |
| 43.375 | 0.0000 | 0.0000 | 79.342 | 1.91795 | 0.00000 | 789605.1 | 646945.8 | 0.0 | S |
| 43.383 | 0.0000 | 0.0000 | 79.341 | 1.91707 | 0.00000 | 789605.1 | 647003.4 | 0.0 | S |
| 43.392 | 0.0000 | 0.0000 | 79.340 | 1.91619 | 0.00000 | 789605.1 | 647060.9 | 0.0 | S |
| 43.400 | 0.0000 | 0.0000 | 79.338 | 1.91530 | 0.00000 | 789605.1 | 647118.3 | 0.0 | S |
| 43.408 | 0.0000 | 0.0000 | 79.337 | 1.91442 | 0.00000 | 789605.1 | 647175.8 | 0.0 | S |
| 43.417 | 0.0000 | 0.0000 | 79.336 | 1.91354 | 0.00000 | 789605.7 | 647233.2 | 0.0 | S |
| 43.425 | 0.0000 | 0.0000 | 79.335 | 1.91266 | 0.00000 | 789605.1 | 647290.6 | 0.0 | S |
| 43.433 | 0.0000 | 0.0000 | 79.333 | 1.91178 | 0.00000 | 789605.1 | 647347.9 | 0.0 | S |
| 43.442 | 0.0000 | 0.0000 | 79.332 | 1.91090 | 0.00000 | 789605.1 | 647405.3 | 0.0 | S |
| 43.450 | 0.0000 | 0.0000 | 79.331 | 1.91002 | 0.00000 | 789605.1 | 647462.6 | 0.0 | S |
| 43.458 | 0.0000 | 0.0000 | 79.330 | 1.90915 | 0.00000 | 789605.1 | 647519.9 | 0.0 | S |
| 43.467 | 0.0000 | 0.0000 | 79.328 | 1.90827 | 0.00000 | 789605.1 | 647577.2 | 0.0 | S |
| 43.475 | 0.0000 | 0.0000 | 79.327 | 1.90740 | 0.00000 | 789605.1 | 647634.4 | 0.0 | S |
| 43.483 | 0.0000 | 0.0000 | 79.326 | 1.90652 | 0.00000 | 789605.1 | 647691.6 | 0.0 | S |
| 43.492 | 0.0000 | 0.0000 | 79.324 | 1.90565 | 0.00000 | 789605.1 | 647748.8 | 0.0 | S |
| 43.500 | 0.0000 | 0.0000 | 79.323 | 1.90477 | 0.00000 | 789605.1 | 647805.9 | 0.0 | S |
| 43.508 | 0.0000 | 0.0000 | 79.322 | 1.90390 | 0.00000 | 789605.1 | 647863.1 | 0.0 | S |
| 43.517 | 0.0000 | 0.0000 | 79.321 | 1.90303 | 0.00000 | 789605.1 | 647920.2 | 0.0 | S |
| 43.525 | 0.0000 | 0.0000 | 79.319 | 1.90216 | 0.00000 | 789605.1 | 647977.3 | 0.0 | S |
| 43.533 | 0.0000 | 0.0000 | 79.318 | 1.90129 | 0.00000 | 789605.1 | 648034.3 | 0.0 | S |
| 43.542 | 0.0000 | 0.0000 | 79.317 | 1.90042 | 0.00000 | 789605.1 | 648091.3 | 0.0 | S |
| 43.550 | 0.0000 | 0.0000 | 79.316 | 1.89955 | 0.00000 | 789605.1 | 648148.3 | 0.0 | S |
| 43.558 | 0.0000 | 0.0000 | 79.314 | 1.89868 | 0.00000 | 789605.1 | 648205.3 | 0.0 | S |
| 43.567 | 0.0000 | 0.0000 | 79.313 | 1.89781 | 0.00000 | 789605.1 | 648262.3 | 0.0 | S |
| 43.575 | 0.0000 | 0.0000 | 79.312 | 1.89695 | 0.00000 | 789605.1 | 648319.2 | 0.0 | S |
| 43.583 | 0.0000 | 0.0000 | 79.310 | 1.89608 | 0.00000 | 789605.1 | 648376.1 | 0.0 | S |
| 43.592 | 0.0000 | 0.0000 | 79.309 | 1.89522 | 0.00000 | 789605.1 | 648432.9 | 0.0 | S |
| 43.600 | 0.0000 | 0.0000 | 79.308 | 1.89435 | 0.00000 | 789605.1 | 648489.8 | 0.0 | S |
| 43.608 | 0.0000 | 0.0000 | 79.307 | 1.89349 | 0.00000 | 789605.1 | 648546.6 | 0.0 | S |
| 43.617 | 0.0000 | 0.0000 | 79.305 | 1.89263 | 0.00000 | 789605.1 | 648603.4 | 0.0 | S |
| 43.625 | 0.0000 | 0.0000 | 79.304 | 1.89176 | 0.00000 | 789605.1 | 648660.1 | 0.0 | S |
| 43.633 | 0.0000 | 0.0000 | 79.303 | 1.89090 | 0.00000 | 789605.1 | 648716.9 | 0.0 | S |
| 43.642 | 0.0000 | 0.0000 | 79.302 | 1.89004 | 0.00000 | 789605.1 | 648773.6 | 0.0 | S |
| 43.650 | 0.0000 | 0.0000 | 79.300 | 1.88918 | 0.00000 | 789605.1 | 648830.3 | 0.0 | S |
| 43.658 | 0.0000 | 0.0000 | 79.299 | 1.88832 | 0.00000 | 789605.1 | 648886.9 | 0.0 | S |
| 43.667 | 0.0000 | 0.0000 | 79.298 | 1.88746 | 0.00000 | 789605.1 | 648943.6 | 0.0 | S |
| 43.675 | 0.0000 | 0.0000 | 79.297 | 1.88661 | 0.00000 | 789605.1 | 649000.2 | 0.0 | S |
| 43.683 | 0.0000 | 0.0000 | 79.295 | 1.88575 | 0.00000 | 789605.1 | 649056.8 | 0.0 | S |
| 43.692 | 0.0000 | 0.0000 | 79.294 | 1.88489 | 0.00000 | 789605.1 | 649113.4 | 0.0 | S |
| 43.700 | 0.0000 | 0.0000 | 79.293 | 1.88404 | 0.00000 | 789605.1 | 649169.9 | 0.0 | S |
| 43.708 | 0.0000 | 0.0000 | 79.292 | 1.88318 | 0.00000 | 789605.1 | 649226.4 | 0.0 | S |
| 43.717 | 0.0000 | 0.0000 | 79.290 | 1.88233 | 0.00000 | 789605.1 | 649282.9 | 0.0 | S |
| 43.725 | 0.0000 | 0.0000 | 79.289 | 1.88148 | 0.00000 | 789605.1 | 649339.3 | 0.0 | S |
| 43.733 | 0.0000 | 0.0000 | 79.288 | 1.88063 | 0.00000 | 789605.1 | 649395.8 | 0.0 | S |
| 43.742 | 0.0000 | 0.0000 | 79.286 | 1.87977 | 0.00000 | 789605.1 | 649452.2 | 0.0 | S |
| 43.750 | 0.0000 | 0.0000 | 79.285 | 1.87892 | 0.00000 | 789605.1 | 649508.6 | 0.0 | S |
| 43.758 | 0.0000 | 0.0000 | 79.284 | 1.87807 | 0.00000 | 789605.1 | 649564.9 | 0.0 | S |
| 43.767 | 0.0000 | 0.0000 | 79.283 | 1.87722 | 0.00000 | 789605.1 | 649621.3 | 0.0 | S |
| 43.775 | 0.0000 | 0.0000 | 79.281 | 1.87637 | 0.00000 | 789605.1 | 649677.6 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate (f $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 /} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume (ft ${ }^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 43.783 | 0.0000 | 0.0000 | 79.280 | 1.87553 | 0.00000 | 789605.1 | 649733.8 | 0.0 | S |
| 43.792 | 0.0000 | 0.0000 | 79.279 | 1.87468 | 0.00000 | 789605.1 | 649790.1 | 0.0 | S |
| 43.800 | 0.0000 | 0.0000 | 79.278 | 1.87383 | 0.00000 | 789605.1 | 649846.3 | 0.0 | S |
| 43.808 | 0.0000 | 0.0000 | 79.276 | 1.87299 | 0.00000 | 789605.1 | 649902.5 | 0.0 | S |
| 43.817 | 0.0000 | 0.0000 | 79.275 | 1.87214 | 0.00000 | 789605.1 | 649958.7 | 0.0 | S |
| 43.825 | 0.0000 | 0.0000 | 79.274 | 1.87130 | 0.00000 | 789605.1 | 650014.8 | 0.0 | S |
| 43.833 | 0.0000 | 0.0000 | 79.273 | 1.87045 | 0.00000 | 789605.1 | 650070.9 | 0.0 | S |
| 43.842 | 0.0000 | 0.0000 | 79.271 | 1.86961 | 0.00000 | 789605.1 | 650127.1 | 0.0 | S |
| 43.850 | 0.0000 | 0.0000 | 79.270 | 1.86877 | 0.00000 | 789605.1 | 650183.1 | 0.0 | S |
| 43.858 | 0.0000 | 0.0000 | 79.269 | 1.86793 | 0.00000 | 789605.1 | 650239.2 | 0.0 | S |
| 43.867 | 0.0000 | 0.0000 | 79.268 | 1.86709 | 0.00000 | 789605.1 | 650295.2 | 0.0 | S |
| 43.875 | 0.0000 | 0.0000 | 79.266 | 1.86625 | 0.00000 | 789605.1 | 650351.2 | 0.0 | S |
| 43.883 | 0.0000 | 0.0000 | 79.265 | 1.86541 | 0.00000 | 789605.1 | 650407.2 | 0.0 | S |
| 43.892 | 0.0000 | 0.0000 | 79.264 | 1.86457 | 0.00000 | 789605.1 | 650463.1 | 0.0 | S |
| 43.900 | 0.0000 | 0.0000 | 79.263 | 1.86373 | 0.00000 | 789605.1 | 650519.1 | 0.0 | S |
| 43.908 | 0.0000 | 0.0000 | 79.261 | 1.86289 | 0.00000 | 789605.1 | 650574.9 | 0.0 | S |
| 43.917 | 0.0000 | 0.0000 | 79.260 | 1.86206 | 0.00000 | 789605.1 | 650630.8 | 0.0 | S |
| 43.925 | 0.0000 | 0.0000 | 79.259 | 1.86122 | 0.00000 | 789605.1 | 650686.7 | 0.0 | S |
| 43.933 | 0.0000 | 0.0000 | 79.258 | 1.86039 | 0.00000 | 789605.1 | 650742.5 | 0.0 | S |
| 43.942 | 0.0000 | 0.0000 | 79.256 | 1.85955 | 0.00000 | 789605.1 | 650798.3 | 0.0 | S |
| 43.950 | 0.0000 | 0.0000 | 79.255 | 1.85872 | 0.00000 | 789605.1 | 650854.1 | 0.0 | S |
| 43.958 | 0.0000 | 0.0000 | 79.254 | 1.85789 | 0.00000 | 789605.1 | 650909.8 | 0.0 | S |
| 43.967 | 0.0000 | 0.0000 | 79.253 | 1.85705 | 0.00000 | 789605.1 | 650965.6 | 0.0 | S |
| 43.975 | 0.0000 | 0.0000 | 79.251 | 1.85622 | 0.00000 | 789605.1 | 651021.3 | 0.0 | S |
| 43.983 | 0.0000 | 0.0000 | 79.250 | 1.85539 | 0.00000 | 789605.1 | 651076.9 | 0.0 | S |
| 43.992 | 0.0000 | 0.0000 | 79.249 | 1.85456 | 0.00000 | 789605.1 | 651132.6 | 0.0 | S |
| 44.000 | 0.0000 | 0.0000 | 79.248 | 1.85373 | 0.00000 | 789605.1 | 651188.2 | 0.0 | S |
| 44.008 | 0.0000 | 0.0000 | 79.246 | 1.85290 | 0.00000 | 789605.1 | 651243.8 | 0.0 | S |
| 44.017 | 0.0000 | 0.0000 | 79.245 | 1.85208 | 0.00000 | 789605.1 | 651299.4 | 0.0 | S |
| 44.025 | 0.0000 | 0.0000 | 79.244 | 1.85125 | 0.00000 | 789605.1 | 651354.9 | 0.0 | S |
| 44.033 | 0.0000 | 0.0000 | 79.243 | 1.85042 | 0.00000 | 789605.1 | 651410.4 | 0.0 | S |
| 44.042 | 0.0000 | 0.0000 | 79.241 | 1.84960 | 0.00000 | 789605.1 | 651465.9 | 0.0 | S |
| 44.050 | 0.0000 | 0.0000 | 79.240 | 1.84877 | 0.00000 | 789605.1 | 651521.4 | 0.0 | S |
| 44.058 | 0.0000 | 0.0000 | 79.239 | 1.84795 | 0.00000 | 789605.1 | 651576.9 | 0.0 | S |
| 44.067 | 0.0000 | 0.0000 | 79.238 | 1.84712 | 0.00000 | 789605.1 | 651632.3 | 0.0 | S |
| 44.075 | 0.0000 | 0.0000 | 79.236 | 1.84630 | 0.00000 | 789605.1 | 651687.7 | 0.0 | S |
| 44.083 | 0.0000 | 0.0000 | 79.235 | 1.84548 | 0.00000 | 789605.1 | 651743.1 | 0.0 | S |
| 44.092 | 0.0000 | 0.0000 | 79.234 | 1.84466 | 0.00000 | 789605.1 | 651798.4 | 0.0 | S |
| 44.100 | 0.0000 | 0.0000 | 79.233 | 1.84384 | 0.00000 | 789605.1 | 651853.8 | 0.0 | S |
| 44.108 | 0.0000 | 0.0000 | 79.231 | 1.84301 | 0.00000 | 789605.1 | 651909.1 | 0.0 | S |
| 44.117 | 0.0000 | 0.0000 | 79.230 | 1.84220 | 0.00000 | 789605.1 | 651964.3 | 0.0 | S |
| 44.125 | 0.0000 | 0.0000 | 79.229 | 1.84138 | 0.00000 | 789605.1 | 652019.6 | 0.0 | S |
| 44.133 | 0.0000 | 0.0000 | 79.228 | 1.84056 | 0.00000 | 789605.1 | 652074.8 | 0.0 | S |
| 44.142 | 0.0000 | 0.0000 | 79.226 | 1.83974 | 0.00000 | 789605.1 | 652130.0 | 0.0 | S |
| 44.150 | 0.0000 | 0.0000 | 79.225 | 1.83892 | 0.00000 | 789605.1 | 652185.2 | 0.0 | S |
| 44.158 | 0.0000 | 0.0000 | 79.224 | 1.83811 | 0.00000 | 789605.1 | 652240.4 | 0.0 | S |
| 44.167 | 0.0000 | 0.0000 | 79.223 | 1.83729 | 0.00000 | 789605.1 | 652295.5 | 0.0 | S |
| 44.175 | 0.0000 | 0.0000 | 79.221 | 1.83648 | 0.00000 | 789605.1 | 652350.6 | 0.0 | S |
| 44.183 | 0.0000 | 0.0000 | 79.220 | 1.83566 | 0.00000 | 789605.1 | 652405.7 | 0.0 | S |
| 44.192 | 0.0000 | 0.0000 | 79.219 | 1.83485 | 0.00000 | 789605.1 | 652460.8 | 0.0 | S |
| 44.200 | 0.0000 | 0.0000 | 79.218 | 1.83404 | 0.00000 | 789605.1 | 652515.8 | 0.0 | S |
| 44.208 | 0.0000 | 0.0000 | 79.216 | 1.83322 | 0.00000 | 789605.1 | 652570.8 | 0.0 | S |
| 44.217 | 0.0000 | 0.0000 | 79.215 | 1.83241 | 0.00000 | 789605.1 | 652625.8 | 0.0 | S |
| 44.225 | 0.0000 | 0.0000 | 79.214 | 1.83160 | 0.00000 | 789605.1 | 652680.8 | 0.0 | S |
| 44.233 | 0.0000 | 0.0000 | 79.213 | 1.83079 | 0.00000 | 789605.1 | 652735.7 | 0.0 | S |
| 44.242 | 0.0000 | 0.0000 | 79.211 | 1.82998 | 0.00000 | 789605.1 | 652790.6 | 0.0 | S |
| 44.250 | 0.0000 | 0.0000 | 79.210 | 1.82917 | 0.00000 | 789605.1 | 652845.4 | 0.0 | S |
| 44.258 | 0.0000 | 0.0000 | 79.209 | 1.82837 | 0.00000 | 789605.1 | 652900.3 | 0.0 | S |
| 44.267 | 0.0000 | 0.0000 | 79.208 | 1.82756 | 0.00000 | 789605.1 | 652955.2 | 0.0 | S |
| 44.275 | 0.0000 | 0.0000 | 79.206 | 1.82675 | 0.00000 | 789605.1 | 653010.0 | 0.0 | S |
| 44.283 | 0.0000 | 0.0000 | 79.205 | 1.82594 | 0.00000 | 789605.1 | 653064.8 | 0.0 | S |
| 44.292 | 0.0000 | 0.0000 | 79.204 | 1.82514 | 0.00000 | 789605.1 | 6531 19.6 | 0.0 | S |
| 44.300 | 0.0000 | 0.0000 | 79.203 | 1.82433 | 0.00000 | 789605.1 | 653174.3 | 0.0 | S |
| 44.308 | 0.0000 | 0.0000 | 79.201 | 1.82353 | 0.00000 | 789605.1 | 653229.0 | 0.0 | S |
| 44.317 | 0.0000 | 0.0000 | 79.200 | 1.82273 | 0.00000 | 789605.1 | 653283.7 | 0.0 | S |
| 44.325 | 0.0000 | 0.0000 | 79.199 | 1.82192 | 0.00000 | 789605.1 | 653338.4 | 0.0 | S |
| 44.333 | 0.0000 | 0.0000 | 79.198 | 1.82112 | 0.00000 | 789605.1 | 653393.0 | 0.0 | S |
| 44.342 | 0.0000 | 0.0000 | 79.197 | 1.82032 | 0.00000 | 789605.1 | 653447.6 | 0.0 | S |
| 44.350 | 0.0000 | 0.0000 | 79.195 | 1.81952 | 0.00000 | 789605.1 | 653502.3 | 0.0 | S |
| 44.358 | 0.0000 | 0.0000 | 79.194 | 1.81872 | 0.00000 | 789605.1 | 653556.8 | 0.0 | S |
| 44.367 | 0.0000 | 0.0000 | 79.193 | 1.81792 | 0.00000 | 789605.1 | 653611.4 | 0.0 | S |
| 44.375 | 0.0000 | 0.0000 | 79.192 | 1.81712 | 0.00000 | 789605.1 | 653665.9 | 0.0 | S |
| 44.383 | 0.0000 | 0.0000 | 79.190 | 1.81632 | 0.00000 | 789605.1 | 653720.4 | 0.0 | S |
| 44.392 | 0.0000 | 0.0000 | 79.189 | 1.81553 | 0.00000 | 789605.1 | 653774.9 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) $\because:$ Scenario $1: \because$ Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{H}^{3 / \mathrm{S}}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{H}^{3}$ ) | Cumulative Infiltration Volume (f13) | Cumulative Discharge Volume ( $\mathrm{ff}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 44.400 | 0.0000 | 0.0000 | 79.188 | 1.81473 | 0.00000 | 789605.1 | 653829.3 | 0.0 | S |
| 44.408 | 0.0000 | 0.0000 | 79.187 | 1.81393 | 0.00000 | 789605.1 | 653883.8 | 0.0 | S |
| 44.417 | 0.0000 | 0.0000 | 79.185 | 1.81314 | 0.00000 | 789605.1 | 653938.1 | 0.0 | S |
| 44.425 | 0.0000 | 0.0000 | 79.184 | 1.81234 | 0.00000 | 789605.1 | 653992.5 | 0.0 | S |
| 44.433 | 0.0000 | 0.0000 | 79.183 | $\uparrow .81155$ | 0.00000 | 789605.1 | 654046.9 | 0.0 | S |
| 44.442 | 0.0000 | 0.0000 | 79.182 | 1.81075 | 0.00000 | 789605.1 | 654101.2 | 0.0 | S |
| 44.450 | 0.0000 | 0.0000 | 79.180 | 1.80996 | 0.00000 | 789605.1 | 654155.5 | 0.0 | S |
| 44.458 | 0.0000 | 0.0000 | 79.179 | 1.80917 | 0.00000 | 789605.1 | 654209.8 | 0.0 | S |
| 44.467 | 0.0000 | 0.0000 | 79.178 | 1.80838 | 0.00000 | 789605.1 | 654264.1 | 0.0 | S |
| 44.475 | 0.0000 | 0.0000 | 79.177 | 1.80759 | 0.00000 | 789605.1 | 654318.3 | 0.0 | S |
| 44.483 | 0.0000 | 0.0000 | 79.175 | 1.80680 | 0.00000 | 789605.1 | 654372.5 | 0.0 | S |
| 44.492 | 0.0000 | 0.0000 | 79.174 | 1.80601 | 0.00000 | 789605.1 | 654426.8 | 0.0 | S |
| 44.500 | 0.0000 | 0.0000 | 79.173 | 1.80522 | 0.00000 | 789605.1 | 654480.9 | 0.0 | S |
| 44.508 | 0.0000 | 0.0000 | 79.172 | 1.80443 | 0.00000 | 789605.1 | 654535.1 | 0.0 | S |
| 44.517 | 0.0000 | 0.0000 | 79.171 | 1.80364 | 0.00000 | 789605.1 | 654589.1 | 0.0 | S |
| 44.525 | 0.0000 | 0.0000 | 79.169 | 1.80285 | 0.00000 | 789605.1 | 654643.3 | 0.0 | S |
| 44.533 | 0.0000 | 0.0000 | 79.168 | 1.80207 | 0.00000 | 789605.1 | 654697.3 | 0.0 | S |
| 44.542 | 0.0000 | 0.0000 | 79.167 | 1.80128 | 0.00000 | 789605.1 | 654751.4 | 0.0 | S |
| 44.550 | 0.0000 | 0.0000 | 79.166 | 1.80050 | 0.00000 | 789605.1 | 654805.4 | 0.0 | S |
| 44.558 | 0.0000 | 0.0000 | 79.164 | 1.79971 | 0.00000 | 789605.1 | 654859.4 | 0.0 | S |
| 44.567 | 0.0000 | 0.0000 | 79.163 | 1.79893 | 0.00000 | 789605.1 | 654913.4 | 0.0 | S |
| 44.575 | 0.0000 | 0.0000 | 79.162 | 1.79814 | 0.00000 | 789605.1 | 654967.3 | 0.0 | S |
| 44.583 | 0.0000 | 0.0000 | 79.161 | 1.79736 | 0.00000 | 789605.1 | 655021.3 | 0.0 | S |
| 44.592 | 0.0000 | 0.0000 | 79.159 | 1.79658 | 0.00000 | 789605.1 | 655075.2 | 0.0 | S |
| 44.600 | 0.0000 | 0.0000 | 79.158 | 1.79580 | 0.00000 | 789605.1 | 655129.1 | 0.0 | S |
| 44.608 | 0.0000 | 0.0000 | 79.157 | 1.79502 | 0.00000 | 789605.1 | 655182.9 | 0.0 | S |
| 44.617 | 0.0000 | 0.0000 | 79.156 | 1.79424 | 0.00000 | 789605.1 | 655236.8 | 0.0 | S |
| 44.625 | 0.0000 | 0.0000 | 79.155 | 1.79346 | 0.00000 | 789605.1 | 655290.6 | 0.0 | S |
| 44.633 | 0.0000 | 0.0000 | 79.153 | 1.79268 | 0.00000 | 789605.1 | 655344.4 | 0.0 | S |
| 44.642 | 0.0000 | 0.0000 | 79.152 | 1.79190 | 0.00000 | 789605.1 | 655398.1 | 0.0 | S |
| 44.650 | 0.0000 | 0.0000 | 79.151 | 1.79112 | 0.00000 | 789605.1 | 655451.9 | 0.0 | S |
| 44.658 | 0.0000 | 0.0000 | 79.150 | 1.79034 | 0.00000 | 789605.1 | 655505.6 | 0.0 | S |
| 44.667 | 0.0000 | 0.0000 | 79.148 | 1.78957 | 0.00000 | 789605.1 | 655559.3 | 0.0 | S |
| 44.675 | 0.0000 | 0.0000 | 79.147 | 1.78879 | 0.00000 | 789605.1 | 655613.0 | 0.0 | S |
| 44.683 | 0.0000 | 0.0000 | 79.146 | 1.78802 | 0.00000 | 789605.1 | 655666.6 | 0.0 | S |
| 44.692 | 0.0000 | 0.0000 | 79.145 | 1.78724 | 0.00000 | 789605.1 | 655720.3 | 0.0 | S |
| 44.700 | 0.0000 | 0.0000 | 79.144 | 1.78647 | 0.00000 | 789605.1 | 655773.9 | 0.0 | S |
| 44.708 | 0.0000 | 0.0000 | 79.142 | 1.78569 | 0.00000 | 789605.1 | 655827.4 | 0.0 | S |
| 44.717 | 0.0000 | 0.0000 | 79.141 | 1.78492 | 0.00000 | 789605.1 | 655881.0 | 0.0 | S |
| 44.725 | 0.0000 | 0.0000 | 79.140 | 1.78415 | 0.00000 | 789605.1 | 655934.6 | 0.0 | S |
| 44.733 | 0.0000 | 0.0000 | 79.139 | 1.78338 | 0.00000 | 789605.1 | 655988.1 | 0.0 | S |
| 44.742 | 0.0000 | 0.0000 | 79.137 | 1.78261 | 0.00000 | 789605.1 | 656041.6 | 0.0 | S |
| 44.750 | 0.0000 | 0.0000 | 79.136 | $\uparrow .78184$ | 0.00000 | 789605.1 | 656095.0 | 0.0 | S |
| 44.758 | 0.0000 | 0.0000 | 79.135 | 1.78107 | 0.00000 | 789605.1 | 656148.4 | 0.0 | S |
| 44.767 | 0.0000 | 0.0000 | 79.134 | 1.78030 | 0.00000 | 789605.1 | 656201.9 | 0.0 | S |
| 44.775 | 0.0000 | 0.0000 | 79.132 | 1.77953 | 0.00000 | 789605.1 | 656255.3 | 0.0 | S |
| 44.783 | 0.0000 | 0.0000 | 79.131 | 1.77876 | 0.00000 | 789605.1 | 656308.7 | 0.0 | S |
| 44.792 | 0.0000 | 0.0000 | 79.130 | 1.77800 | 0.00000 | 789605.1 | 656362.0 | 0.0 | S |
| 44.800 | 0.0000 | 0.0000 | 79.129 | 1.77723 | 0.00000 | 789605.1 | 656415.3 | 0.0 | S |
| 44.808 | 0.0000 | 0.0000 | 79.128 | 1.77646 | 0.00000 | 789605.1 | 656468.6 | 0.0 | S |
| 44.817 | 0.0000 | 0.0000 | 79.126 | 1.77570 | 0.00000 | 789605.1 | 656521.9 | 0.0 | S |
| 44.825 | 0.0000 | 0.0000 | 79.125 | 1.77493 | 0.00000 | 789605.1 | 656575.2 | 0.0 | S |
| 44.833 | 0.0000 | 0.0000 | 79.124 | $\uparrow .77417$ | 0.00000 | 789605.1 | 656628.4 | 0.0 | S |
| 44.842 | 0.0000 | 0.0000 | 79.123 | ¢.7734\} | 0.00000 | 789605.1 | 656681.6 | 0.0 | S |
| 44.850 | 0.0000 | 0.0000 | 79.121 | 1.77264 | 0.00000 | 789605.1 | 656734.8 | 0.0 | S |
| 44.858 | 0.0000 | 0.0000 | 79.120 | 1.77188 | 0.00000 | 789605.1 | 656788.0 | 0.0 | S |
| 44.867 | 0.0000 | 0.0000 | 79.119 | 1.77112 | 0.00000 | 789605.1 | 656841.1 | 0.0 | S |
| 44.875 | 0.0000 | 0.0000 | 79.118 | 1.77036 | 0.00000 | 789605.1 | 656894.3 | 0.0 | S |
| 44.883 | 0.0000 | 0.0000 | 79.117 | 1.76960 | 0.00000 | 789605.1 | 656947.4 | 0.0 | S |
| 44.892 | 0.0000 | 0.0000 | 79.115 | 1.76884 | 0.00000 | 789605.1 | 657000.4 | 0.0 | S |
| 44.900 | 0.0000 | 0.0000 | 79.114 | 1.76808 | 0.00000 | 789605.1 | 657053.5 | 0.0 | S |
| 44.908 | 0.0000 | 0.0000 | 79.113 | 1.76732 | 0.00000 | 789605.1 | 657106.5 | 0.0 | S |
| 44.917 | 0.0000 | 0.0000 | 79.112 | 1.76656 | 0.00000 | 789605.1 | 657159.5 | 0.0 | S |
| 44.925 | 0.0000 | 0.0000 | 79.111 | 1.76580 | 0.00000 | 789605.1 | 657212.5 | 0.0 | S |
| 44.933 | 0.0000 | 0.0000 | 79.109 | 1.76505 | 0.00000 | 789605.1 | 657265.5 | 0.0 | S |
| 44.942 | 0.0000 | 0.0000 | 79.108 | 1.76429 | 0.00000 | 789605.1 | 657318.4 | 0.0 | S |
| 44.950 | 0.0000 | 0.0000 | 79.107 | 1.76353 | 0.00000 | 789605.1 | 657371.3 | 0.0 | S |
| 44.958 | 0.0000 | 0.0000 | 79.106 | 1.76278 | 0.00000 | 789605.1 | 657424.3 | 0.0 | S |
| 44.967 | 0.0000 | 0.0000 | 79.104 | 1.76202 | 0.00000 | 789605.1 | 657477.1 | 0.0 | S |
| 44.975 | 0.0000 | 0.0000 | 79.103 | 1.76127 | 0.00000 | 789605.1 | 657529.9 | 0.0 | S |
| 44.983 | 0.0000 | 0.0000 | 79.102 | 1.76052 | 0.00000 | 789605.1 | 657582.8 | 0.0 | S |
| 44.992 | 0.0000 | 0.0000 | 79.101 | 1.75976 | 0.00000 | 789605.1 | 657635.6 | 0.0 | S |
| 45.000 | 0.0000 | 0.0000 | 79.100 | 1.75907 | 0.00000 | 789605.1 | 657688.4 | 0.0 | S |
| 45.008 | 0.0000 | 0.0000 | 79.098 | 1.75826 | 0.00000 | 789605.1 | 657741.1 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.

## Detailed Results (cont,d.) :: Scenario 1 :: Pond 5100 yr/24 hr

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infilitration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | $\begin{aligned} & \text { Cumulative } \\ & \text { inflow } \\ & \text { volume }\left(\mathrm{ft}^{3}\right. \text { ) } \end{aligned}$ | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative <br> Discharge <br> Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 45.017 | 0.0000 | 0.0000 | 79.097 | 1.75751 | 0.00000 | 789605.1 | 657793.9 | 0.0 | S |
| 45.025 | 0.0000 | 0.0000 | 79.096 | 1.75676 | 0.00000 | 789605.1 | 657846.6 | 0.0 | S |
| 45.033 | 0.0000 | 0.0000 | 79.095 | 1.75601 | 0.00000 | 789605.1 | 657899.3 | 0.0 | S |
| 45.042 | 0.0000 | 0.0000 | 79.093 | 1.75526 | 0.00000 | 789605.1 | 657951.9 | 0.0 | S |
| 45.050 | 0.0000 | 0.0000 | 79.092 | 1.75451 | 0.00000 | 789605.1 | 658004.6 | 0.0 | S |
| 45.058 | 0.0000 | 0.0000 | 79.091 | 1.75376 | 0.00000 | 789605.1 | 658057.2 | 0.0 | S |
| 45.067 | 0.0000 | 0.0000 | 79.090 | 1.75302 | 0.00000 | 789605.1 | 658109.8 | 0.0 | S |
| 45.075 | 0.0000 | 0.0000 | 79.089 | 1.75227 | 0.00000 | 789605.1 | 658162.4 | 0.0 | S |
| 45.083 | 0.0000 | 0.0000 | 79.087 | 1.75152 | 0.00000 | 789605.1 | 658214.9 | 0.0 | S |
| 45.092 | 0.0000 | 0.0000 | 79.086 | 1.75078 | 0.00000 | 789605.1 | 658267.5 | 0.0 | S |
| 45.100 | 0.0000 | 0.0000 | 79.085 | 1.75003 | 0.00000 | 789605.1 | 658320.0 | 0.0 | S |
| 45.108 | 0.0000 | 0.0000 | 79.084 | 1.74929 | 0.00000 | 789605.1 | 658372.5 | 0.0 | S |
| 45.117 | 0.0000 | 0.0000 | 79.083 | 1.74854 | 0.00000 | 789605.1 | 658424.9 | 0.0 | S |
| 45.125 | 0.0000 | 0.0000 | 79.081 | 1.74780 | 0.00000 | 789605.1 | 658477.4 | 0.0 | S |
| 45.133 | 0.0000 | 0.0000 | 79.080 | 1.74706 | 0.00000 | 789605.1 | 658529.8 | 0.0 | S |
| 45.142 | 0.0000 | 0.0000 | 79.079 | 1.74632 | 0.00000 | 789605.1 | 658582.2 | 0.0 | S |
| 45.150 | 0.0000 | 0.0000 | 79.078 | 1.74557 | 0.00000 | 789605.1 | 658634.6 | 0.0 | S |
| 45.158 | 0.0000 | 0.0000 | 79.076 | 1.74483 | 0.00000 | 789605.1 | 658686.9 | 0.0 | S |
| 45.167 | 0.0000 | 0.0000 | 79.075 | 1.74409 | 0.00000 | 789605.1 | 658739.3 | 0.0 | S |
| 45.175 | 0.0000 | 0.0000 | 79.074 | 1.74335 | 0.00000 | 789605.1 | 658791.6 | 0.0 | S |
| 45.183 | 0.0000 | 0.0000 | 79.073 | 1.74261 | 0.00000 | 789605.1 | 658843.9 | 0.0 | S |
| 45.192 | 0.0000 | 0.0000 | 79.072 | 1.74188 | 0.00000 | 789605.1 | 658896.1 | 0.0 | S |
| 45.200 | 0.0000 | 0.0000 | 79.070 | 1.74114 | 0.00000 | 789605.1 | 658948.4 | 0.0 | S |
| 45.208 | 0.0000 | 0.0000 | 79.069 | 1.74040 | 0.00000 | 789605.1 | 659000.6 | 0.0 | S |
| 45.217 | 0.0000 | 0.0000 | 79.068 | 1.73966 | 0.00000 | 789605.1 | 659052.8 | 0.0 | S |
| 45.225 | 0.0000 | 0.0000 | 79.067 | 1.73893 | 0.00000 | 789605.1 | 659105.0 | 0.0 | S |
| 45.233 | 0.0000 | 0.0000 | 79.066 | 1.73819 | 0.00000 | 789605.1 | 659157.1 | 0.0 | S |
| 45.242 | 0.0000 | 0.0000 | 79.064 | 1.73746 | 0.00000 | 789605.1 | 659209.3 | 0.0 | S |
| 45.250 | 0.0000 | 0.0000 | 79.063 | 1.73672 | 0.00000 | 789605.1 | 659261.4 | 0.0 | S |
| 45.258 | 0.0000 | 0.0000 | 79.062 | 1.73599 | 0.00000 | 789605.1 | 659313.5 | 0.0 | S |
| 45.267 | 0.0000 | 0.0000 | 79.061 | 1.73525 | 0.00000 | 789605.1 | 659365.6 | 0.0 | S |
| 45.275 | 0.0000 | 0.0000 | 79.060 | 1.73452 | 0.00000 | 789605.1 | 659417.6 | 0.0 | S |
| 45.283 | 0.0000 | 0.0000 | 79.058 | 1.73379 | 0.00000 | 789605.1 | 659469.6 | 0.0 | S |
| 45.292 | 0.0000 | 0.0000 | 79.057 | 1.73306 | 0.00000 | 789605.1 | 659521.6 | 0.0 | S |
| 45.300 | 0.0000 | 0.0000 | 79.056 | 1.73232 | 0.00000 | 789605.1 | 659573.6 | 0.0 | S |
| 45.308 | 0.0000 | 0.0000 | 79.055 | 1.73159 | 0.00000 | 789605.1 | 659625.6 | 0.0 | S |
| 45.317 | 0.0000 | 0.0000 | 79.054 | 1.73086 | 0.00000 | 789605.1 | 659677.5 | 0.0 | S |
| 45.325 | 0.0000 | 0.0000 | 79.052 | 1.73013 | 0.00000 | 789605.1 | 659729.4 | 0.0 | S |
| 45.333 | 0.0000 | 0.0000 | 79.051 | 1.72940 | 0.00000 | 789605.1 | 659781.3 | 0.0 | S |
| 45.342 | 0.0000 | 0.0000 | 79.050 | 1.72868 | 0.00000 | 789605.1 | 659833.2 | 0.0 | S |
| 45.350 | 0.0000 | 0.0000 | 79.049 | 1.72795 | 0.00000 | 789605.1 | 659885.1 | 0.0 | S |
| 45.358 | 0.0000 | 0.0000 | 79.047 | 1.72722 | 0.00000 | 789605.1 | 659936.9 | 0.0 | S |
| 45.367 | 0.0000 | 0.0000 | 79.046 | 1.72649 | 0.00000 | 789605.1 | 659988.7 | 0.0 | S |
| 45.375 | 0.0000 | 0.0000 | 79.045 | 1.72577 | 0.00000 | 789605.1 | 660040.4 | 0.0 | S |
| 45.383 | 0.0000 | 0.0000 | 79.044 | 1.72504 | 0.00000 | 789605.1 | 660092.3 | 0.0 | S |
| 45.392 | 0.0000 | 0.0000 | 79.043 | 1.72432 | 0.00000 | 789605.1 | 660143.9 | 0.0 | S |
| 45.400 | 0.0000 | 0.0000 | 79.041 | 1.72359 | 0.00000 | 789605.1 | 660195.7 | 0.0 | S |
| 45.408 | 0.0000 | 0.0000 | 79.040 | 1.72287 | 0.00000 | 789605.1 | 660247.4 | 0.0 | S |
| 45.417 | 0.0000 | 0.0000 | 79.039 | 1.72214 | 0.00000 | 789605.1 | 660299.1 | 0.0 | S |
| 45.425 | 0.0000 | 0.0000 | 79.038 | 1.72142 | 0.00000 | 789605.1 | 660350.7 | 0.0 | S |
| 45.433 | 0.0000 | 0.0000 | 79.037 | 1.72070 | 0.00000 | 789605.1 | 660402.3 | 0.0 | S |
| 45.442 | 0.0000 | 0.0000 | 79.035 | 1.71998 | 0.00000 | 789605.1 | 660453.9 | 0.0 | S |
| 45.450 | 0.0000 | 0.0000 | 79.034 | 1.71926 | 0.00000 | 789605.1 | 660505.6 | 0.0 | S |
| 45.458 | 0.0000 | 0.0000 | 79.033 | 1.71854 | 0.00000 | 789605. | 660557.1 | 0.0 | S |
| 45.467 | 0.0000 | 0.0000 | 79.032 | 1.71782 | 0.00000 | 789605.1 | 660608.6 | 0.0 | S |
| 45.475 | 0.0000 | 0.0000 | 79.031 | 1.71710 | 0.00000 | 789605.1 | 660660.2 | 0.0 | S |
| 45.483 | 0.0000 | 0.0000 | 79.029 | 1.71638 | 0.00000 | 789605.1 | 660711.7 | 0.0 | S |
| 45.492 | 0.0000 | 0.0000 | 79.028 | 1.71566 | 0.00000 | 789605.1 | 660763.1 | 0.0 | S |
| 45.500 | 0.0000 | 0.0000 | 79.027 | 1.71494 | 0.00000 | 789605.1 | 660814.6 | 0.0 | S |
| 45.508 | 0.0000 | 0.0000 | 79.026 | 1.71422 | 0.00000 | 789605.1 | 660866.1 | 0.0 | S |
| 45.517 | 0.0000 | 0.0000 | 79.025 | 1.71351 | 0.00000 | 789605.1 | 660917.4 | 0.0 | S |
| 45.525 | 0.0000 | 0.0000 | 79.023 | 1.71279 | 0.00000 | 789605.1 | 660968.9 | 0.0 | S |
| 45.533 | 0.0000 | 0.0000 | 79.022 | 1.71207 | 0.00000 | 789605.1 | 661020.3 | 0.0 | S |
| 45.542 | 0.0000 | 0.0000 | 79.021 | 1.71136 | 0.00000 | 789605.1 | 661071.6 | 0.0 | S |
| 45.550 | 0.0000 | 0.0000 | 79.020 | 1.71064 | 0.00000 | 789605.1 | 661122.9 | 0.0 | S |
| 45.558 | 0.0000 | 0.0000 | 79.019 | 1.70993 | 0.00000 | 789605.1 | 661174.3 | 0.0 | S |
| 45.567 | 0.0000 | 0.0000 | 79.017 | 1.70922 | 0.00000 | 789605.1 | 661225.5 | 0.0 | S |
| 45.575 | 0.0000 | 0.0000 | 79.016 | 1.70850 | 0.00000 | 789605.1 | 661276.8 | 0.0 | S |
| 45.583 | 0.0000 | 0.0000 | 79.015 | 1.70779 | 0.00000 | 789605.1 | 661328.0 | 0.0 | S |
| 45.592 | 0.0000 | 0.0000 | 79.014 | 1.70708 | 0.00000 | 789605.1 | 661379.3 | 0.0 | S |
| 45.600 | 0.0000 | 0.0000 | 79.013 | 1.70637 | 0.00000 | 789605.1 | 661430.4 | 0.0 | S |
| 45.608 | 0.0000 | 0.0000 | 79.011 | 1.70566 | 0.00000 | 789605.1 | 661481.6 | 0.0 | S |
| 45.617 | 0.0000 | 0.0000 | 79.010 | 1.70495 | 0.00000 | 789605.1 | 661532.8 | 0.0 | S |
| 45.625 | 0.0000 | 0.0000 | 79.009 | 1.70424 | 0.00000 | 789605.1 | 661583.9 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Outside Recharge (fl/day) | Stage Elevation ( ft datum) | Infiltration Rate ( $\mathrm{H}^{3 / 3} \mathrm{~s}$ ) | Overflow <br> Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative fnflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ff}^{3}$ ) | $\begin{aligned} & \text { Flow } \\ & \text { Type } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 45.633 | 0.0000 | 0.0000 | 79.008 | 1.70353 | 0.00000 | 789605.1 | 661635.1 | 0.0 | S |
| 45.642 | 0.0000 | 0.0000 | 79.007 | 1.70282 | 0.00000 | 789605.1 | 661686.1 | 0.0 | S |
| 45.650 | 0.0000 | 0.0000 | 79.005 | 1.70211 | 0.00000 | 789605.1 | 661737.2 | 0.0 | S |
| 45.658 | 0.0000 | 0.0000 | 79.004 | 1.70140 | 0.00000 | 789605.1 | 661788.3 | 0.0 | S |
| 45.667 | 0.0000 | 0.0000 | 79.003 | 1.70070 | 0.00000 | 789605.1 | 661839.3 | 0.0 | S |
| 45.675 | 0.0000 | 0.0000 | 79.002 | 1.69999 | 0.00000 | 789605.1 | 661890.3 | 0.0 | S |
| 45.683 | 0.0000 | 0.0000 | 79.001 | 1.69928 | 0.00000 | 789605.1 | 661941.3 | 0.0 | S |
| 45.692 | 0.0000 | 0.0000 | 79.000 | 1.69858 | 0.00000 | 789605.1 | 661992.3 | 0.0 | S |
| 45.700 | 0.0000 | 0.0000 | 78.998 | 1.69787 | 0.00000 | 789605.1 | 662043.2 | 0.0 | S |
| 45.708 | 0.0000 | 0.0000 | 78.997 | 1.69717 | 0.00000 | 789605.1 | 662094.1 | 0.0 | S |
| 45.717 | 0.0000 | 0.0000 | 78.996 | 1.69647 | 0.00000 | 789605.1 | 662145.1 | 0.0 | 5 |
| 45.725 | 0.0000 | 0.0000 | 78.995 | 1.69576 | 0.00000 | 789605.1 | 662195.9 | 0.0 | S |
| 45.733 | 0.0000 | 0.0000 | 78.994 | 1.69506 | 0.00000 | 789605.1 | 662246.8 | 0.0 | S |
| 45.742 | 0.0000 | 0.0000 | 78.992 | 1.69436 | 0.00000 | 789605.1 | 662297.6 | 0.0 | S |
| 45.750 | 0.0000 | 0.0000 | 78.991 | 1.69366 | 0.00000 | 789605.1 | 662348.4 | 0.0 | 5 |
| 45.758 | 0.0000 | 0.0000 | 78.990 | 1.69295 | 0.00000 | 789605.1 | 662399.3 | 0.0 | S |
| 45.767 | 0.0000 | 0.0000 | 78.989 | 1.69225 | 0.00000 | 789605.1 | 662450.0 | 0.0 | S |
| 45.775 | 0.0000 | 0.0000 | 78.988 | 1.69155 | 0.00000 | 789605.1 | 662500.8 | 0.0 | S |
| 45.783 | 0.0000 | 0.0000 | 78.986 | 1.69085 | 0.00000 | 789605.1 | 662551.5 | 0.0 | S |
| 45.792 | 0.0000 | 0.0000 | 78.985 | 1.69015 | 0.00000 | 789605.1 | 662602.3 | 0.0 | S |
| 45.800 | 0.0000 | 0.0000 | 78.984 | 1.58946 | 0.00000 | 789605.1 | 662652.9 | 0.0 | S |
| 45.808 | 0.0000 | 0.0000 | 78.983 | 1.68876 | 0.00000 | 789605.1 | 662703.6 | 0.0 | S |
| 45.817 | 0.0000 | 0.0000 | 78.982 | 1.68806 | 0.00000 | 789605.1 | 662754.3 | 0.0 | S |
| 45.825 | 0.0000 | 0.0000 | 78.980 | 1.68736 | 0.00000 | 789605.1 | 662804.9 | 0.0 | S |
| 45.833 | 0.0000 | 0.0000 | 78.979 | \}. 68667 | 0.00000 | 789605.1 | 662855.5 | 0.0 | S |
| 45.842 | 0.0000 | 0.0000 | 78.978 | 1.68597 | 0.00000 | 789605.1 | 662906.1 | 0.0 | S |
| 45.850 | 0.0000 | 0.0000 | 78.977 | 1.68528 | 0.00000 | 789605.1 | 662956.6 | 0.0 | S |
| 45.858 | 0.0000 | 0.0000 | 78.976 | 1.68458 | 0.00000 | 789605.1 | 663007.2 | 0.0 | S |
| 45.867 | 0.0000 | 0.0000 | 78.974 | 1.68389 | 0.00000 | 789605.1 | 663057.8 | 0.0 | S |
| 45.875 | 0.0000 | 0.0000 | 78.973 | 1.68319 | 0.00000 | 789605.1 | 663108.3 | 0.0 | S |
| 45.883 | 0.0000 | 0.0000 | 78.972 | 1.68250 | 0.00000 | 789605.1 | 663158.7 | 0.0 | S |
| 45.892 | 0.0000 | 0.0000 | 78.971 | 1.68181 | 0.00000 | 789605.1 | 663209.2 | 0.0 | S |
| 45.900 | 0.0000 | 0.0000 | 78.970 | 1.68111 | 0.00000 | 789605.1 | 663259.6 | 0.0 | S |
| 45.908 | 0.0000 | 0.0000 | 78.969 | 1.68042 | 0.00000 | 789605.1 | 663310.1 | 0.0 | S |
| 45.917 | 0.0000 | 0.0000 | 78.967 | 1.67973 | 0.00000 | 789605.1 | 663360.4 | 0.0 | S |
| 45.925 | 0.0000 | 0.0000 | 78.966 | 1.67904 | 0.00000 | 789605.1 | 663410.8 | 0.0 | S |
| 45.933 | 0.0000 | 0.0000 | 78.965 | 1.67835 | 0.00000 | 789605.1 | 663461.2 | 0.0 | S |
| 45.942 | 0.0000 | 0.0000 | 78.964 | 1.67766 | 0.00000 | 789605.1 | 663511.5 | 0.0 | S |
| 45.950 | 0.0000 | 0.0000 | 78.963 | 1.67697 | 0.00000 | 789605.1 | 663561.9 | 0.0 | S |
| 45.958 | 0.0000 | 0.0000 | 78.961 | 1.67628 | 0.00000 | 789605.1 | 663612.1 | 0.0 | S |
| 45.967 | 0.0000 | 0.0000 | 78.960 | 1.67559 | 0.00000 | 789605.1 | 663662.4 | 0.0 | S |
| 45.975 | 0.0000 | 0.0000 | 78.959 | 1.67491 | 0.00000 | 789605.1 | 663712.7 | 0.0 | S |
| 45.983 | 0.0000 | 0.0000 | 78.958 | 1.67422 | 0.00000 | 789605.1 | 663762.9 | 0.0 | S |
| 45.992 | 0.0000 | 0.0000 | 78.957 | 1.67353 | 0.00000 | 789605.1 | 663813.1 | 0.0 | S |
| 46.000 | 0.0000 | 0.0000 | 78.955 | 1.67285 | 0.00000 | 789605.1 | 663863.3 | 0.0 | S |
| 46.008 | 0.0000 | 0.0000 | 78.954 | 1.67216 | 0.00000 | 789605.1 | 663913.5 | 0.0 | S |
| 46.017 | 0.0000 | 0.0000 | 78.953 | 1.67148 | 0.00000 | 789605.1 | 663963.7 | 0.0 | S |
| 46.025 | 0.0000 | 0.0000 | 78.952 | 1.67079 | 0.00000 | 789605.1 | 664013.8 | 0.0 | S |
| 46.033 | 0.0000 | 0.0000 | 78.951 | 1.67011 | 0.00000 | 789605.1 | 664063.9 | 0.0 | S |
| 46.042 | 0.0000 | 0.0000 | 78.950 | 1.66942 | 0.00000 | 789605.1 | 664114.0 | 0.0 | S |
| 46.050 | 0.0000 | 0.0000 | 78.948 | 1.66874 | 0.00000 | 789605.1 | 664164.1 | 0.0 | S |
| 46.058 | 0.0000 | 0.0000 | 78.947 | 1.66806 | 0.00000 | 789605.1 | 664214.1 | 0.0 | S |
| 46.067 | 0.0000 | 0.0000 | 78.946 | 1.66738 | 0.00000 | 789605.1 | 664264.2 | 0.0 | S |
| 46.075 | 0.0000 | 0.0000 | 78.945 | 1.66670 | 0.00000 | 789605.1 | 664314.2 | 0.0 | S |
| 46.083 | 0.0000 | 0.0000 | 78.944 | 1.66601 | 0.00000 | 789605.1 | 664364.2 | 0.0 | S |
| 46.092 | 0.0000 | 0.0000 | 78.942 | 1.66533 | 0.00000 | 789605.1 | 664414.1 | 0.0 | S |
| 46.100 | 0.0000 | 0.0000 | 78.941 | 1.66465 | 0.00000 | 789605.1 | 664464.1 | 0.0 | S |
| 46.108 | 0.0000 | 0.0000 | 78.940 | 1.66397 | 0.00000 | 789605.1 | 664514.0 | 0.0 | S |
| 46.117 | 0.0000 | 0.0000 | 78.939 | 1.66329 | 0.00000 | 789605.1 | 664563.9 | 0.0 | S |
| 46.125 | 0.0000 | 0.0000 | 78.938 | 1.66262 | 0.00000 | 789605.1 | 664613.8 | 0.0 | S |
| 46.133 | 0.0000 | 0.0000 | 78.937 | 1.66194 | 0.00000 | 789605.1 | 664663.7 | 0.0 | S |
| 46.142 | 0.0000 | 0.0000 | 78.935 | 1.66126 | 0.00000 | 789605.1 | 664713.5 | 0.0 | S |
| 46.150 | 0.0000 | 0.0000 | 78.934 | 1.66058 | 0.00000 | 789605.1 | 664763.4 | 0.0 | S |
| 46.158 | 0.0000 | 0.0000 | 78.933 | 1.65991 | 0.00000 | 789605.1 | 664813.2 | 0.0 | S |
| 46.167 | 0.0000 | 0.0000 | 78.932 | 1.65923 | 0.00000 | 789605.1 | 664862.9 | 0.0 | S |
| 46.175 | 0.0000 | 0.0000 | 78.931 | 1.65856 | 0.00000 | 789605.1 | 664912.7 | 0.0 | S |
| 46.183 | 0.0000 | 0.0000 | 78.929 | 1.65788 | 0.00000 | 789605.1 | 664962.4 | 0.0 | S |
| 46.192 | 0.0000 | 0.0000 | 78.928 | 1.65721 | 0.00000 | 789605.1 | 665012.2 | 0.0 | S |
| 46.200 | 0.0000 | 0.0000 | 78.927 | 1.65653 | 0.00000 | 789605.1 | 665061.9 | 0.0 | S |
| 46.208 | 0.0000 | 0.0000 | 78.926 | 1.65586 | 0.00000 | 789605.1 | 665111.6 | 0.0 | S |
| 46.217 | 0.0000 | 0.0000 | 78.925 | 1.65518 | 0.00000 | 789605.1 | 665161.3 | 0.0 | S |
| 46.225 | 0.0000 | 0.0000 | 78.924 | 1.65451 | 0.00000 | 789605.1 | 665210.9 | 0.0 | S |
| 46.233 | 0.0000 | 0.0000 | 78.922 | 1.65384 | 0.00000 | 789605.1 | 665260.5 | 0.0 | S |
| 46.242 | 0.0000 | 0.0000 | 78.921 | 1.65317 | 0.00000 | 789605.1 | 665310.1 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 5100 yr/24 hr

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}{ }^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{f}^{3}$ ) | Cumulative infiltration Volume (ft ${ }^{3}$ ) | Cumulative <br> Discharge <br> Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 46.250 | 0.0000 | 0.0000 | 78.920 | 1.65250 | 0.00000 | 789605.1 | 665359.7 | 0.0 | S |
| 46.258 | 0.0000 | 0.0000 | 78.919 | 1.65183 | 0.00000 | 789605.1 | 665409.3 | 0.0 | S |
| 46.267 | 0.0000 | 0.0000 | 78.918 | 1.65116 | 0.00000 | 789605.1 | 665458.8 | 0.0 | S |
| 46.275 | 0.0000 | 0.0000 | 78.917 | 1.65049 | 0.00000 | 789605.1 | 665508.3 | 0.0 | S |
| 46.283 | 0.0000 | 0.0000 | 78.915 | 1.64982 | 0.00000 | 789605.1 | 665557.8 | 0.0 | S |
| 46.292 | 0.0000 | 0.0000 | 78.914 | 1.64915 | 0.00000 | 789605.1 | 665607.3 | 0.0 | S |
| 46.300 | 0.0000 | 0.0000 | 78.913 | 1.64848 | 0.00000 | 789605.1 | 665656.8 | 0.0 | S |
| 46.308 | 0.0000 | 0.0000 | 78.912 | 1.64782 | 0.00000 | 789605.1 | 665706.3 | 0.0 | S |
| 46.317 | 0.0000 | 0.0000 | 78.911 | 1.64715 | 0.00000 | 789605.1 | 665755.7 | 0.0 | S |
| 46.325 | 0.0000 | 0.0000 | 78.909 | 1.64648 | 0.00000 | 789605.1 | 665805.1 | 0.0 | S |
| 46.333 | 0.0000 | 0.0000 | 78.908 | 1.64581 | 0.00000 | 789605.1 | 665854.4 | 0.0 | S |
| 46.342 | 0.0000 | 0.0000 | 78.907 | 1.64515 | 0.00000 | 789605.1 | 665903.8 | 0.0 | S |
| 46.350 | 0.0000 | 0.0000 | 78.906 | 1.64448 | 0.00000 | 789605.1 | 665953.2 | 0.0 | S |
| 46.358 | 0.0000 | 0.0000 | 78.905 | 1.64382 | 0.00000 | 789605.1 | 666002.5 | 0.0 | S |
| 46.367 | 0.0000 | 0.0000 | 78.904 | 1.64315 | 0.00000 | 789605.1 | 666051.8 | 0.0 | S |
| 46.375 | 0.0000 | 0.0000 | 78.902 | 1.64249 | 0.00000 | 789605.1 | 666101.1 | 0.0 | S |
| 46.383 | 0.0000 | 0.0000 | 78.901 | 1.64183 | 0.00000 | 789605.1 | 666150.3 | 0.0 | S |
| 46.392 | 0.0000 | 0.0000 | 78.900 | 1.64116 | 0.00000 | 789605.1 | 666199.6 | 0.0 | S |
| 46.400 | 0.0000 | 0.0000 | 78.899 | 1.64050 | 0.00000 | 789605.1 | 666248.8 | 0.0 | S |
| 46.408 | 0.0000 | 0.0000 | 78.898 | 1.63984 | 0.00000 | 789605.1 | 666298.0 | 0.0 | S |
| 46.417 | 0.0000 | 0.0000 | 78.897 | 1.63918 | 0.00000 | 789605.1 | 666347.2 | 0.0 | S |
| 46.425 | 0.0000 | 0.0000 | 78.895 | 1.63852 | 0.00000 | 789605.1 | 666396.4 | 0.0 | S |
| 46.433 | 0.0000 | 0.0000 | 78.894 | 1.63786 | 0.00000 | 789605.1 | 666445.5 | 0.0 | S |
| 46.442 | 0.0000 | 0.0000 | 78.893 | 1.63720 | 0.00000 | 789605.1 | 666494.6 | 0.0 | S |
| 46.450 | 0.0000 | 0.0000 | 78.892 | 1.63654 | 0.00000 | 789605.1 | 666543.8 | 0.0 | S |
| 46.458 | 0.0000 | 0.0000 | 78.891 | 1.63588 | 0.00000 | 789605.1 | 666592.8 | 0.0 | S |
| 46.467 | 0.0000 | 0.0000 | 78.890 | 1.63522 | 0.00000 | 789605.1 | 666641.9 | 0.0 | S |
| 46.475 | 0.0000 | 0.0000 | 78.888 | 1.63456 | 0.00000 | 789605.1 | 666690.9 | 0.0 | S |
| 46.483 | 0.0000 | 0.0000 | 78.887 | 1.63391 | 0.00000 | 789605.1 | 666739.9 | 0.0 | S |
| 46.492 | 0.0000 | 0.0000 | 78.886 | 1.63325 | 0.00000 | 789605.1 | 666789.0 | 0.0 | S |
| 46.500 | 0.0000 | 0.0000 | 78.885 | 1.63259 | 0.00000 | 789605.1 | 666837.9 | 0.0 | S |
| 46.508 | 0.0000 | 0.0000 | 78.884 | 1.63194 | 0.00000 | 789605.1 | 666886.9 | 0.0 | S |
| 46.517 | 0.0000 | 0.0000 | 78.882 | \$. 63128 | 0.00000 | 789605.1 | 666935.9 | 0.0 | S |
| 46.525 | 0.0000 | 0.0000 | 78.881 | 1.63063 | 0.00000 | 789605.1 | 666984.8 | 0.0 | S |
| 46.533 | 0.0000 | 0.0000 | 78.880 | 1.62997 | 0.00000 | 789605.1 | 667033.7 | 0.0 | S |
| 46.542 | 0.0000 | 0.0000 | 78.879 | 1.62932 | 0.00000 | 789605.1 | 667082.6 | 0.0 | S |
| 46.550 | 0.0000 | 0.0000 | 78.878 | 1.62866 | 0.00000 | 789605.1 | 667131.5 | 0.0 | S |
| 46.558 | 0.0000 | 0.0000 | 78.877 | 1.62801 | 0.00000 | 789605.1 | 667180.3 | 0.0 | S |
| 46.567 | 0.0000 | 0.0000 | 78.875 | 1.62736 | 0.00000 | 789605.1 | 667229.1 | 0.0 | S |
| 46.575 | 0.0000 | 0.0000 | 78.874 | 1.62670 | 0.00000 | 789605.1 | 667277.9 | 0.0 | S |
| 46.583 | 0.0000 | 0.0000 | 78.873 | 1.62605 | 0.00000 | 789605.1 | 667326.8 | 0.0 | S |
| 46.592 | 0.0000 | 0.0000 | 78.872 | 1.62540 | 0.00000 | 789605.1 | 667375.5 | 0.0 | S |
| 46.600 | 0.0000 | 0.0000 | 78.871 | 1.62475 | 0.00000 | 789605.1 | 667424.3 | 0.0 | S |
| 46.608 | 0.0000 | 0.0000 | 78.870 | 1.62410 | 0.00000 | 789605.1 | 667473.0 | 0.0 | S |
| 46.617 | 0.0000 | 0.0000 | 78.868 | 1.62345 | 0.00000 | 789605.1 | 667521.8 | 0.0 | S |
| 46.625 | 0.0000 | 0.0000 | 78.867 | 1.62280 | 0.00000 | 789605.1 | 667570.4 | 0.0 | S |
| 46.633 | 0.0000 | 0.0000 | 78.866 | 1.62215 | 0.00000 | 789605.1 | 667619.1 | 0.0 | S |
| 46.642 | 0.0000 | 0.0000 | 78.865 | 1.62150 | 0.00000 | 789605.1 | 667667.8 | 0.0 | S |
| 46.650 | 0.0000 | 0.0000 | 78.864 | 1.62086 | 0.00000 | 789605.1 | 667716.4 | 0.0 | S |
| 46.658 | 0.0000 | 0.0000 | 78.863 | 1.62021 | 0.00000 | 789605.1 | 667765.0 | 0.0 | S |
| 46.667 | 0.0000 | 0.0000 | 78.861 | 1.61956 | 0.00000 | 789605.1 | 667813.6 | 0.0 | S |
| 46.675 | 0.0000 | 0.0000 | 78.860 | 1.61891 | 0.00000 | 789605.1 | 667862.2 | 0.0 | S |
| 46.683 | 0.0000 | 0.0000 | 78.859 | 1.61827 | 0.00000 | 789605.1 | 667910.8 | 0.0 | S |
| 46.692 | 0.0000 | 0.0000 | 78.858 | 1.61762 | 0.00000 | 789605.1 | 667959.3 | 0.0 | S |
| 46.700 | 0.0000 | 0.0000 | 78.857 | 1.61698 | 0.00000 | 789605.1 | 668007.8 | 0.0 | S |
| 46.708 | 0.0000 | 0.0000 | 78.856 | 1.61633 | 0.00000 | 789605.1 | 668056.3 | 0.0 | S |
| 46.717 | 0.0000 | 0.0000 | 78.854 | 1.61569 | 0.00000 | 789605.1 | 668104.8 | 0.0 | S |
| 46.725 | 0.0000 | 0.0000 | 78.853 | 1.61504 | 0.00000 | 789605.1 | 668153.3 | 0.0 | S |
| 46.733 | 0.0000 | 0.0000 | 78.852 | 1.61440 | 0.00000 | 789605.1 | 668201.7 | 0.0 | S |
| 46.742 | 0.0000 | 0.0000 | 78.851 | 1.61376 | 0.00000 | 789605.1 | 668250.1 | 0.0 | S |
| 46.750 | 0.0000 | 0.0000 | 78.850 | 1.61311 | 0.00000 | 789605.1 | 668298.5 | 0.0 | S |
| 46.758 | 0.0000 | 0.0000 | 78.849 | 1.61247 | 0.00000 | 789605.1 | 668346.9 | 0.0 | S |
| 46.767 | 0.0000 | 0.0000 | 78.847 | 1.61183 | 0.00000 | 789605.1 | 668395.3 | 0.0 | S |
| 46.775 | 0.0000 | 0.0000 | 78.846 | 1.61119 | 0.00000 | 789605.1 | 668443.6 | 0.0 | S |
| 46.783 | 0.0000 | 0.0000 | 78.845 | 1.61055 | 0.00000 | 789605.1 | 668491.9 | 0.0 | S |
| 46.792 | 0.0000 | 0.0000 | 78.844 | 1.60991 | 0.00000 | 789605.1 | 668540,3 | 0.0 | S |
| 46.800 | 0.0000 | 0.0000 | 78,843 | 1.60927 | 0.00000 | 789605.1 | 668588.5 | 0.0 | S |
| 46.808 | 0.0000 | 0.0000 | 78.842 | 1.60863 | 0.00000 | 789605.1 | 668636.8 | 0.0 | S |
| 46.817 | 0.0000 | 0.0000 | 78,841 | 1.60799 | 0.00000 | 789605.1 | 668685.0 | 0.0 | S |
| 46.825 | 0.0000 | 0.0000 | 78.839 | 1.60735 | 0.00000 | 789605.1 | 668733.3 | 0.0 | S |
| 46.833 | 0.0000 | 0.0000 | 78.838 | 1.60671 | 0.00000 | 789605.1 | 668781.5 | 0.0 | S |
| 46.842 | 0.0000 | 0.0000 | 78.837 | 1.60608 | 0.00000 | 789605.1 | 668829.7 | 0.0 | S |
| 46.850 | 0.0000 | 0.0000 | 78.836 | 1.60544 | 0.00000 | 789605.1 | 668877.8 | 0.0 | S |
| 46.858 | 0.0000 | 0.0000 | 78.835 | 1.60480 | 0.00000 | 789605.1 | 668926.0 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.

## Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (tJday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{Ht}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{fl}^{3}$ ) | Cumulative <br> Discharge <br> Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 46.867 | 0.0000 | 0.0000 | 78.834 | 1.60417 | 0.00000 | 789605.1 | 668974.1 | 0.0 | S |
| 46.875 | 0.0000 | 0.0000 | 78.832 | 1.60353 | 0.00000 | 789605.1 | 669022.3 | 0.0 | S |
| 46.883 | 0.0000 | 0.0000 | 78.831 | 1.60289 | 0.00000 | 789605.1 | 669070.3 | 0.0 | S |
| 46.892 | 0.0000 | 0.0000 | 78.830 | 1.60226 | 0.00000 | 789605.1 | 669118.4 | 0.0 | S |
| 46.900 | 0.0000 | 0.0000 | 78.829 | 1.60163 | 0.00000 | 789605.1 | 669166.5 | 0.0 | S |
| 46.908 | 0.0000 | 0.0000 | 78.828 | 1.60099 | 0.00000 | 789605.1 | 669214.5 | 0.0 | S |
| 46.917 | 0.0000 | 0.0000 | 78.827 | 1.60036 | 0.00000 | 789605.1 | 669262.5 | 0.0 | S |
| 46.925 | 0.0000 | 0.0000 | 78.825 | 1.59973 | 0.00000 | 789605.1 | 669310.5 | 0.0 | S |
| 46.933 | 0.0000 | 0.0000 | 78.824 | 1.59909 | 0.00000 | 789605.1 | 669358.5 | 0.0 | S |
| 46.942 | 0.0000 | 0.0000 | 78.823 | 1.59846 | 0.00000 | 789605.1 | 669406.5 | 0.0 | S |
| 46.950 | 0.0000 | 0.0000 | 78.822 | 1.59783 | 0.00000 | 789605.1 | 669454.4 | 0.0 | S |
| 46.958 | 0.0000 | 0.0000 | 78.821 | 1.59720 | 0.00000 | 789605.1 | 669502.4 | 0.0 | S |
| 46.967 | 0.0000 | 0.0000 | 78.820 | 1.59657 | 0.00000 | 789605.1 | 669550.3 | 0.0 | S |
| 46.975 | 0.0000 | 0.0000 | 78.818 | 1.59594 | 0.00000 | 789605.1 | 669598.1 | 0.0 | S |
| 46.983 | 0.0000 | 0.0000 | 78.817 | 1.59531 | 0.00000 | 789605.1 | 669646.0 | 0.0 | S |
| 46.992 | 0.0000 | 0.0000 | 78.816 | 1.59468 | 0.00000 | 789605.1 | 669693.9 | 0.0 | S |
| 47.000 | 0.0000 | 0.0000 | 78.815 | 1.59405 | 0.00000 | 789605.1 | 669741.7 | 0.0 | S |
| 47.008 | 0.0000 | 0.0000 | 78.814 | 1.59342 | 0.00000 | 789605.1 | 669789.5 | 0.0 | S |
| 47.017 | 0.0000 | 0.0000 | 78.813 | 1.59279 | 0.00000 | 789605.1 | 669837.3 | 0.0 | S |
| 47.025 | 0.0000 | 0.0000 | 78.812 | 1.59216 | 0.00000 | 789605.1 | 669885.1 | 0.0 | S |
| 47.033 | 0.0000 | 0.0000 | 78.810 | 1.59154 | 0.00000 | 789605.1 | 669932.8 | 0.0 | S |
| 47.042 | 0.0000 | 0.0000 | 78.809 | 1.59091 | 0.00000 | 789605.1 | 669980.6 | 0.0 | S |
| 47.050 | 0.0000 | 0.0000 | 78.808 | 1.59028 | 0.00000 | 789605.1 | 670028.3 | 0.0 | S |
| 47.058 | 0.0000 | 0.0000 | 78.807 | 1. 58966 | 0.00000 | 789605.1 | 670076.0 | 0.0 | S |
| 47.067 | 0.0000 | 0.0000 | 78.806 | 1.58903 | 0.00000 | 789605.1 | 670123.7 | 0.0 | S |
| 47.075 | 0.0000 | 0.0000 | 78.805 | 1.58841 | 0.00000 | 789605.1 | 670171.3 | 0.0 | S |
| 47.083 | 0.0000 | 0.0000 | 78.803 | 1.58778 | 0.00000 | 789605.1 | 670218.9 | 0.0 | S |
| 47.092 | 0.0000 | 0.0000 | 78.802 | 1.58716 | 0.00000 | 789605.1 | 670266.6 | 0.0 | S |
| 47.100 | 0.0000 | 0.0000 | 78.801 | 1.58653 | 0.00000 | 789605.1 | 670314.2 | 0.0 | S |
| 47.108 | 0.0000 | 0.0000 | 78.800 | 1.58591 | 0.00000 | 789605.1 | 670361.8 | 0.0 | S |
| 47.117 | 0.0000 | 0.0000 | 78.799 | 1.58529 | 0.00000 | 789605.1 | 670409.4 | 0.0 | S |
| 47.125 | 0.0000 | 0.0000 | 78.798 | 1.58466 | 0.00000 | 789605.1 | 670456.9 | 0.0 | S |
| 47.133 | 0.0000 | 0.0000 | 78.797 | 1.58404 | 0.00000 | 789605.1 | 670504.4 | 0.0 | S |
| 47.142 | 0.0000 | 0.0000 | 78.795 | 1.58342 | 0.00000 | 789605.1 | 670551.9 | 0.0 | S |
| 47.150 | 0.0000 | 0.0000 | 78.794 | 1.58280 | 0.00000 | 789605.1 | 670599.4 | 0.0 | S |
| 47.158 | 0.0000 | 0.0000 | 78.793 | 1.58218 | 0.00000 | 789605.1 | 670646.9 | 0.0 | S |
| 47.167 | 0.0000 | 0.0000 | 78.792 | 1.58156 | 0.00000 | 789605.1 | 670694.4 | 0.0 | S |
| 47.175 | 0.0000 | 0.0000 | 78.791 | 1.58094 | 0.00000 | 789605.1 | 670741.8 | 0.0 | S |
| 47.183 | 0.0000 | 0.0000 | 78.790 | 1.58032 | 0.00000 | 789605.1 | 670789.2 | 0.0 | S |
| 47.192 | 0.0000 | 0.0000 | 78.788 | 1.57970 | 0.00000 | 789605.1 | 670836.6 | 0.0 | S |
| 47.200 | 0.0000 | 0.0000 | 78.787 | 1.57908 | 0.00000 | 789605.1 | 670884.0 | 0.0 | S |
| 47.208 | 0.0000 | 0.0000 | 78.786 | 1.57846 | 0.00000 | 789605.1 | 670931.4 | 0.0 | S |
| 47.217 | 0.0000 | 0.0000 | 78.785 | 1.57785 | 0.00000 | 789605.1 | 670978.7 | 0.0 | S |
| 47.225 | 0.0000 | 0.0000 | 78.784 | 1.57723 | 0.00000 | 789605.1 | 671026.1 | 0.0 | S |
| 47.233 | 0.0000 | 0.0000 | 78.783 | 1.57661 | 0.00000 | 789605.4 | 671073.3 | 0.0 | S |
| 47.242 | 0.0000 | 0.0000 | 78.782 | 1.57600 | 0.00000 | 789605.1 | 671120.6 | 0.0 | S |
| 47.250 | 0.0000 | 0.0000 | 78.780 | 1.57538 | 0.00000 | 789605.1 | 671167.9 | 0.0 | S |
| 47.258 | 0.0000 | 0.0000 | 78.779 | 1.57476 | 0.00000 | 789605.1 | 671215.1 | 0.0 | S |
| 47.267 | 0.0000 | 0.0000 | 78.778 | 1.57415 | 0.00000 | 789605.1 | 671262.4 | 0.0 | S |
| 47.275 | 0.0000 | 0.0000 | 78.777 | 1.57353 | 0.00000 | 789605.1 | 671309.6 | 0.0 | S |
| 47.283 | 0.0000 | 0.0000 | 78.776 | 1.57292 | 0.00000 | 789605.1 | 671356.8 | 0.0 | S |
| 47.292 | 0.0000 | 0.0000 | 78.775 | 1.57231 | 0.00000 | 789605.1 | 671404.0 | 0.0 | S |
| 47.300 | 0.0000 | 0.0000 | 78.774 | 1.57169 | 0.00000 | 789605.1 | 671451.1 | 0.0 | S |
| 47.308 | 0.0000 | 0.0000 | 78.772 | 1.57108 | 0.00000 | 789605.1 | 671498.3 | 0.0 | S |
| 47.317 | 0.0000 | 0.0000 | 78.771 | 1.57047 | 0.00000 | 789605.1 | 671545.4 | 0.0 | S |
| 47.325 | 0.0000 | 0.0000 | 78.770 | 1.56985 | 0.00000 | 789605.1 | 671592.5 | 0.0 | S |
| 47.333 | 0.0000 | 0.0000 | 78.769 | 1.56924 | 0.00000 | 789605.1 | 671639.6 | 0.0 | S |
| 47.342 | 0.0000 | 0.0000 | 78.768 | 1.56863 | 0.00000 | 789605.1 | 671686.7 | 0.0 | S |
| 47.350 | 0.0000 | 0.0000 | 78.767 | 1.56802 | 0.00000 | 789605.1 | 671733.7 | 0.0 | S |
| 47.358 | 0.0000 | 0.0000 | 78.765 | 1.56741 | 0.00000 | 789605.1 | 671780.8 | 0.0 | S |
| 47.367 | 0.0000 | 0.0000 | 78.764 | 1.56680 | 0.00000 | 789605.1 | 671827.8 | 0.0 | S |
| 47.375 | 0.0000 | 0.0000 | 78.763 | 1.56619 | 0.00000 | 789605.1 | 671874.8 | 0.0 | S |
| 47.383 | 0.0000 | 0.0000 | 78.762 | 1.56558 | 0.00000 | 789605.7 | 671921.8 | 0.0 | S |
| 47.392 | 0.0000 | 0.0000 | 78.761 | 1.56497 | 0.00000 | 789605.1 | 671968.7 | 0.0 | S |
| 47.400 | 0.0000 | 0.0000 | 78.760 | 1.56436 | 0.00000 | 789605.1 | 672015.6 | 0.0 | S |
| 47.408 | 0.0000 | 0.0000 | 78.759 | 1.56376 | 0.00000 | 789605.1 | 672062.6 | 0.0 | S |
| 47.417 | 0.0000 | 0.0000 | 78.757 | 1.56315 | 0.00000 | 789605.1 | 672109.4 | 0.0 | S |
| 47.425 | 0.0000 | 0.0000 | 78.756 | 1.56254 | 0.00000 | 789605.1 | 672156.3 | 0.0 | S |
| 47.433 | 0.0000 | 0.0000 | 78.755 | 1.56193 | 0.00000 | 789605.1 | 672203.2 | 0.0 | S |
| 47.442 | 0.0000 | 0.0000 | 78.754 | 1.56133 | 0.00000 | 789605.1 | 672250.1 | 0.0 | S |
| 47.450 | 0.0000 | 0.0000 | 78.753 | 1.56072 | 0.00000 | 789605.1 | 672296.9 | 0.0 | S |
| 47.458 | 0.0000 | 0.0000 | 78.752 | 1.56012 | 0.00000 | 789605.1 | 672343.7 | 0.0 | S |
| 47.467 | 0.0000 | 0.0000 | 78.751 | 1.55951 | 0.00000 | 789605.1 | 672390.5 | 0.0 | S |
| 47.475 | 0.0000 | 0.0000 | 78.749 | 1.55891 | 0.00000 | 789605.1 | 672437.3 | 0.0 | S |

# PONDS Version 3.2.0207 

Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) $::$ Scenario $1::$ Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{t} / \mathrm{s} / \mathrm{s}$ ) | Outside Recharge (fuday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / 3}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} \mathrm{~s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infilitration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 47.483 | 0.0000 | 0.0000 | 78.748 | 1.55830 | 0.00000 | 789605.1 | 672484.0 | 0.0 | S |
| 47.492 | 0.0000 | 0.0000 | 78.747 | 1.55770 | 0.00000 | 789605.1 | 672530.8 | 0.0 | S |
| 47.500 | 0.0000 | 0.0000 | 78.746 | 1.55709 | 0.00000 | 789605.1 | 672577.5 | 0.0 | S |
| 47.508 | 0.0000 | 0.0000 | 78.745 | 1.55649 | 0.00000 | 789605.1 | 672624.2 | 0.0 | S |
| 47.517 | 0.0000 | 0.0000 | 78.744 | 1.55589 | 0.00000 | 789605.1 | 672670.9 | 0.0 | S |
| 47.525 | 0.0000 | 0.0000 | 78.743 | 1.55529 | 0.00000 | 789605.1 | 672717.6 | 0.0 | S |
| 47.533 | 0.0000 | 0.0000 | 78.741 | 1.55468 | 0.00000 | 789605.1 | 672764.2 | 0.0 | S |
| 47.542 | 0.0000 | 0.0000 | 78.740 | 1.55408 | 0.00000 | 789605.1 | 672810.8 | 0.0 | S |
| 47.550 | 0.0000 | 0.0000 | 78.739 | 1.55348 | 0.00000 | 789605.1 | 672857.4 | 0.0 | S |
| 47.558 | 0.0000 | 0.0000 | 78.738 | 1.55288 | 0.00000 | 789605.1 | 672904.1 | 0.0 | S |
| 47.567 | 0.0000 | 0.0000 | 78.737 | 1.55228 | 0.00000 | 789605.1 | 672950.5 | 0.0 | S |
| 47.575 | 0.0000 | 0.0000 | 78.736 | 1.55168 | 0.00000 | 789605.1 | 672997.2 | 0.0 | S |
| 47.583 | 0.0000 | 0.0000 | 78.735 | 1.55108 | 0.00000 | 789605.1 | 673043.7 | 0.0 | S |
| 47.592 | 0.0000 | 0.0000 | 78.733 | 1.55048 | 0.00000 | 789605.1 | 673090.3 | 0.0 | S |
| 47.600 | 0.0000 | 0.0000 | 78.732 | 1.54988 | 0.00000 | 789605.1 | 673136.8 | 0.0 | S |
| 47.608 | 0.0000 | 0.0000 | 78.731 | 1.54929 | 0.00000 | 789605.1 | 673183.3 | 0.0 | S |
| 47.617 | 0.0000 | 0.0000 | 78.730 | 1.54869 | 0.00000 | 789605.1 | 673229.7 | 0.0 | S |
| 47.625 | 0.0000 | 0.0000 | 78.729 | 1.54809 | 0.00000 | 789605.1 | 673276.1 | 0.0 | S |
| 47.633 | 0.0000 | 0.0000 | 78.728 | 1.54749 | 0.00000 | 789605.1 | 673322.6 | 0.0 | S |
| 47.642 | 0.0000 | 0.0000 | 78.727 | 1.54690 | 0.00000 | 789605.1 | 673369.0 | 0.0 | S |
| 47.650 | 0.0000 | 0.0000 | 78.725 | 1.54630 | 0.00000 | 789605.1 | 673415.4 | 0.0 | S |
| 47.658 | 0.0000 | 0.0000 | 78.724 | 1.54571 | 0.00000 | 789605.1 | 673461.8 | 0.0 | S |
| 47.667 | 0.0000 | 0.0000 | 78.723 | 1.54511 | 0.00000 | 789605.1 | 673508.1 | 0.0 | S |
| 47.675 | 0.0000 | 0.0000 | 78.722 | 1.54452 | 0.00000 | 789605.1 | 673554.5 | 0.0 | S |
| 47.683 | 0.0000 | 0.0000 | 78.721 | 1.54392 | 0.00000 | 789605.1 | 673600.8 | 0.0 | S |
| 47.692 | 0.0000 | 0.0000 | 78.720 | 1.54333 | 0.00000 | 789605.1 | 673647.1 | 0.0 | S |
| 47.700 | 0.0000 | 0.0000 | 78.719 | 1.54273 | 0.00000 | 789605.1 | 673693.4 | 0.0 | S |
| 47.708 | 0.0000 | 0.0000 | 78.717 | 1.54214 | 0.00000 | 789605.1 | 673739.7 | 0.0 | S |
| 47.717 | 0.0000 | 0.0000 | 78.716 | 1.54155 | 0.00000 | 789605.1 | 673785.9 | 0.0 | S |
| 47.725 | 0.0000 | 0.0000 | 78.715 | 1.54096 | 0.00000 | 789605.1 | 673832.2 | 0.0 | S |
| 47.733 | 0.0000 | 0.0000 | 78.714 | 1.54036 | 0.00000 | 789605.1 | 673878.4 | 0.0 | S |
| 47.742 | 0.0000 | 0.0000 | 78.713 | 1.53977 | 0.00000 | 789605.1 | 673924.6 | 0.0 | S |
| 47.750 | 0.0000 | 0.0000 | 78.712 | 1.53918 | 0.00000 | 789605.1 | 673970.8 | 0.0 | S |
| 47.758 | 0.0000 | 0.0000 | 78.711 | 1.53859 | 0.00000 | 789605.1 | 674016.9 | 0.0 | S |
| 47.767 | 0.0000 | 0.0000 | 78.710 | 1.53800 | 0.00000 | 789605.1 | 674063.1 | 0.0 | S |
| 47.775 | 0.0000 | 0.0000 | 78.708 | 1.53741 | 0.00000 | 789605.1 | 674109.3 | 0.0 | S |
| 47.783 | 0.0000 | 0.0000 | 78.707 | 1.53682 | 0.00000 | 789605.1 | 674155.3 | 0.0 | S |
| 47.792 | 0.0000 | 0.0000 | 78.706 | 1.53623 | 0.00000 | 789605.1 | 674201.4 | 0.0 | S |
| 47.800 | 0.0000 | 0.0000 | 78.705 | 1.53564 | 0.00000 | 789605.1 | 674247.5 | 0.0 | S |
| 47.808 | 0.0000 | 0.0000 | 78.704 | 1.53505 | 0.00000 | 789605.1 | 674293.6 | 0.0 | S |
| 47.817 | 0.0000 | 0.0000 | 78.703 | 1.53446 | 0.00000 | 789605.1 | 674339.6 | 0.0 | S |
| 47.825 | 0.0000 | 0.0000 | 78.702 | 1.53388 | 0.00000 | 789605.1 | 674385.6 | 0.0 | S |
| 47.833 | 0.0000 | 0.0000 | 78.700 | 1.53329 | 0.00000 | 789605.1 | 674431.6 | 0.0 | S |
| 47.842 | 0.0000 | 0.0000 | 78.699 | 1.53270 | 0.00000 | 789605.1 | 674477.6 | 0.0 | S |
| 47.850 | 0.0000 | 0.0000 | 78.698 | 1.53211 | 0.00000 | 789605.1 | 674523.6 | 0.0 | S |
| 47.858 | 0.0000 | 0.0000 | 78.697 | 1.53153 | 0.00000 | 789605.1 | 674569.6 | 0.0 | S |
| 47.867 | 0.0000 | 0.0000 | 78.696 | 1.53094 | 0.00000 | 789605.1 | 674615.5 | 0.0 | S |
| 47.875 | 0.0000 | 0.0000 | 78.695 | 1.53036 | 0.00000 | 789605.1 | 674661.4 | 0.0 | S |
| 47.883 | 0.0000 | 0.0000 | 78.694 | 1.52977 | 0.00000 | 789605.1 | 674707.3 | 0.0 | S |
| 47.892 | 0.0000 | 0.0000 | 78.692 | 1.52919 | 0.00000 | 789605.1 | 674753.2 | 0.0 | S |
| 47.900 | 0.0000 | 0.0000 | 78.691 | 1.52860 | 0.00000 | 789605.1 | 674799.1 | 0.0 | S |
| 47.908 | 0.0000 | 0.0000 | 78.690 | 1.52802 | 0.00000 | 789605.7 | 674844.9 | 0.0 | S |
| 47.917 | 0.0000 | 0.0000 | 78.689 | 1.52744 | 0.00000 | 789605.1 | 674890.8 | 0.0 | S |
| 47.925 | 0.0000 | 0.0000 | 78.688 | 1.52685 | 0.00000 | 789605.1 | 674936.6 | 0.0 | S |
| 47.933 | 0.0000 | 0.0000 | 78.687 | 1.52627 | 0.00000 | 789605.1 | 674982.4 | 0.0 | S |
| 47.942 | 0.0000 | 0.0000 | 78.686 | 1.52569 | 0.00000 | 789605.1 | 675028.1 | 0.0 | S |
| 47.950 | 0.0000 | 0.0000 | 78.685 | 1.52511 | 0.00000 | 789605.1 | 675073.9 | 0.0 | S |
| 47.958 | 0.0000 | 0.0000 | 78.683 | 1.52453 | 0.00000 | 789605.1 | 675119.6 | 0.0 | S |
| 47.967 | 0.0000 | 0.0000 | 78.682 | 1.52394 | 0.00000 | 789605.1 | 675165.4 | 0.0 | S |
| 47.975 | 0.0000 | 0.0000 | 78.681 | 1.52336 | 0.00000 | 789605.1 | 675211.1 | 0.0 | S |
| 47.983 | 0.0000 | 0.0000 | 78.680 | 1.52278 | 0.00000 | 789605.1 | 675256.8 | 0.0 | S |
| 47.992 | 0.0000 | 0.0000 | 78.679 | 1.52220 | 0.00000 | 789605.1 | 675302.4 | 0.0 | S |
| 48.000 | 0.0000 | 0.0000 | 78.678 | 1.52162 | 0.00000 | 789605.1 | 675348.1 | 0.0 | S |
| 48.008 | 0.0000 | 0.0000 | 78.677 | 1.52104 | 0.00000 | 789605.1 | 675393.8 | 0.0 | S |
| 48.017 | 0.0000 | 0.0000 | 78.675 | 1.52047 | 0.00000 | 789605.1 | 675439.4 | 0.0 | S |
| 48.025 | 0.0000 | 0.0000 | 78.674 | 1.51989 | 0.00000 | 789605.1 | 675485.0 | 0.0 | S |
| 48.033 | 0.0000 | 0.0000 | 78.673 | 1.51931 | 0.00000 | 789605.1 | 675530.6 | 0.0 | S |
| 48.042 | 0.0000 | 0.0000 | 78.672 | 1.51873 | 0.00000 | 789605.1 | 675576.1 | 0.0 | S |
| 48.050 | 0.0000 | 0.0000 | 78.671 | 1.51815 | 0.00000 | 789605.1 | 675621.7 | 0.0 | S |
| 48.058 | 0.0000 | 0.0000 | 78.670 | 1.51758 | 0.00000 | 789605.1 | 675667.3 | 0.0 | S |
| 48.067 | 0.0000 | 0.0000 | 78.669 | 1.51700 | 0.00000 | 789605.1 | 675712.8 | 0.0 | S |
| 48.075 | 0.0000 | 0.0000 | 78.668 | 1.51643 | 0.00000 | 789605.1 | 675758.3 | 0.0 | S |
| 48.083 | 0.0000 | 0.0000 | 78.666 | 1.51585 | 0.00000 | 789605.1 | 675803.8 | 0.0 | S |
| 48.092 | 0.0000 | 0.0000 | 78.665 | 1.51527 | 0.00000 | 789605.1 | 675849.2 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 5100 yr/24 hr

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (f/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 48.100 | 0.0000 | 0.0000 | 78.664 | 1.51470 | 0.00000 | 789605.1 | 675894.6 | 0.0 | S |
| 48.108 | 0.0000 | 0.0000 | 78.663 | 1.51412 | 0.00000 | 789605.1 | 675940.1 | 0.0 | S |
| 48.117 | 0.0000 | 0.0000 | 78.662 | 1.51355 | 0.00000 | 789605.1 | 675985.5 | 0.0 | S |
| 48.125 | 0.0000 | 0.0000 | 78.661 | 1.51298 | 0.00000 | 789605.1 | 676030.9 | 0.0 | S |
| 48.133 | 0.0000 | 0.0000 | 78.660 | 1.51240 | 0.00000 | 789605.1 | 676076.3 | 0.0 | S |
| 48.142 | 0.0000 | 0.0000 | 78.659 | 1.51183 | 0.00000 | 789605.1 | 676121.6 | 0.0 | S |
| 48.150 | 0.0000 | 0.0000 | 78.657 | 1.51126 | 0.00000 | 789605.1 | 676167.0 | 0.0 | S |
| 48.158 | 0.0000 | 0.0000 | 78.656 | 1.51068 | 0.00000 | 789605.1 | 676212.3 | 0.0 | S |
| 48.167 | 0.0000 | 0.0000 | 78.655 | 1.51011 | 0.00000 | 789605.1 | 676257.6 | 0.0 | S |
| 48.175 | 0.0000 | 0.0000 | 78.654 | 1.50954 | 0.00000 | 789605.1 | 676302.9 | 0.0 | S |
| 48.183 | 0.0000 | 0.0000 | 78.653 | 1.50897 | 0.00000 | 789605.1 | 676348.2 | 0.0 | S |
| 48.192 | 0.0000 | 0.0000 | 78.652 | 1.50840 | 0.00000 | 789605.1 | 676393.4 | 0.0 | S |
| 48.200 | 0.0000 | 0.0000 | 78.651 | 1.50783 | 0.00000 | 789605.1 | 676438.7 | 0.0 | S |
| 48.208 | 0.0000 | 0.0000 | 78.650 | 1.50726 | 0.00000 | 789605.1 | 676483.9 | 0.0 | S |
| 48.217 | 0.0000 | 0.0000 | 78.648 | 1.50669 | 0.00000 | 789605.1 | 676529.1 | 0.0 | S |
| 48.225 | 0.0000 | 0.0000 | 78.647 | 1.50612 | 0.00000 | 789605.1 | 676574.3 | 0.0 | S |
| 48.233 | 0.0000 | 0.0000 | 78.646 | 1.50555 | 0.00000 | 789605.1 | 676619.5 | 0.0 | S |
| 48.242 | 0.0000 | 0.0000 | 78.645 | 1.50498 | 0.00000 | 789605.1 | 676664.7 | 0.0 | S |
| 48.250 | 0.0000 | 0.0000 | 78.644 | 1.50441 | 0.00000 | 789605.1 | 676709.8 | 0.0 | S |
| 48.258 | 0.0000 | 0.0000 | 78.643 | 1.50385 | 0.00000 | 789605.1 | 676754.9 | 0.0 | S |
| 48.267 | 0.0000 | 0.0000 | 78.642 | 1.50328 | 0.00000 | 789605.1 | 676800.1 | 0.0 | S |
| 48.275 | 0.0000 | 0.0000 | 78.641 | 1.50271 | 0.00000 | 789605.1 | 676845.1 | 0.0 | S |
| 48.283 | 0.0000 | 0.0000 | 78.639 | 1.50214 | 0.00000 | 789605.1 | 676890.2 | 0.0 | S |
| 48.292 | 0.0000 | 0.0000 | 78.638 | 1.50158 | 0.00000 | 789605.1 | 676935.3 | 0.0 | S |
| 48.300 | 0.0000 | 0.0000 | 78.637 | 1.50101 | 0.00000 | 789605.1 | 676980.3 | 0.0 | S |
| 48.308 | 0.0000 | 0.0000 | 78.636 | 1.50045 | 0.00000 | 789605.1 | 677025.3 | 0.0 | S |
| 48.317 | 0.0000 | 0.0000 | 78.635 | 1.49988 | 0.00000 | 789605.1 | 677070.3 | 0.0 | S |
| 48.325 | 0.0000 | 0.0000 | 78.634 | 1.49932 | 0.00000 | 789605.1 | 677115.3 | 0.0 | S |
| 48.333 | 0.0000 | 0.0000 | 78.633 | 1.49875 | 0.00000 | 789605.1 | 677160.3 | 0.0 | S |
| 48.342 | 0.0000 | 0.0000 | 78.632 | 1.49819 | 0.00000 | 789605.1 | 677205.3 | 0.0 | S |
| 48.350 | 0.0000 | 0.0000 | 78.630 | 1.49762 | 0.00000 | 789605.1 | 677250.2 | 0.0 | S |
| 48.358 | 0.0000 | 0.0000 | 78.629 | 1.49706 | 0.00000 | 789605.1 | 677295.1 | 0.0 | S |
| 48.367 | 0.0000 | 0.0000 | 78.628 | 1.49650 | 0.00000 | 789605.1 | 677340.0 | 0.0 | S |
| 48.375 | 0.0000 | 0.0000 | 78.627 | 1.49593 | 0.00000 | 789605.1 | 677384.9 | 0.0 | S |
| 48.383 | 0.0000 | 0.0000 | 78.626 | 1.49537 | 0.00000 | 789605.1 | 677429.8 | 0.0 | S |
| 48.392 | 0.0000 | 0.0000 | 78.625 | 1.49481 | 0.00000 | 789605.1 | 677474.6 | 0.0 | S |
| 48.400 | 0.0000 | 0.0000 | 78.624 | 1.49425 | 0.00000 | 789605.1 | 677519.4 | 0.0 | S |
| 48.408 | 0.0000 | 0.0000 | 78.623 | 1.49369 | 0.00000 | 789605.1 | 677564.3 | 0.0 | S |
| 48.417 | 0.0000 | 0.0000 | 78.621 | 1.49313 | 0.00000 | 789605.1 | 677609.1 | 0.0 | S |
| 48.425 | 0.0000 | 0.0000 | 78.620 | 1.49257 | 0.00000 | 789605.1 | 677653.9 | 0.0 | S |
| 48.433 | 0.0000 | 0.0000 | 78.619 | 1.49201 | 0.00000 | 789605.1 | 677698.6 | 0.0 | S |
| 48.442 | 0.0000 | 0.0000 | 78.618 | 1.49145 | 0.00000 | 789605.1 | 677743.4 | 0.0 | S |
| 48.450 | 0.0000 | 0.0000 | 78.617 | 1.49089 | 0.00000 | 789605.1 | 677788.1 | 0.0 | S |
| 48.458 | 0.0000 | 0.0000 | 78.616 | 1.49033 | 0.00000 | 789605.1 | 677832.8 | 0.0 | S |
| 48.467 | 0.0000 | 0.0000 | 78.615 | 1.48977 | 0.00000 | 789605.1 | 677877.5 | 0.0 | S |
| 48.475 | 0.0000 | 0.0000 | 78.614 | 1.48921 | 0.00000 | 789605.1 | 677922.2 | 0.0 | S |
| 48.483 | 0.0000 | 0.0000 | 78.612 | 1.48865 | 0.00000 | 789605.1 | 677966.9 | 0.0 | S |
| 48.492 | 0.0000 | 0.0000 | 78.611 | 1.48809 | 0.00000 | 789605.1 | 678011.5 | 0.0 | S |
| 48.500 | 0.0000 | 0.0000 | 78.610 | 1.48754 | 0.00000 | 789605.1 | 678056.2 | 0.0 | S |
| 48.508 | 0.0000 | 0.0000 | 78.609 | 1.48698 | 0.00000 | 789605.1 | 678100.8 | 0.0 | S |
| 48.517 | 0.0000 | 0.0000 | 78.608 | 1.48642 | 0.00000 | 789605.1 | 678145.4 | 0.0 | S |
| 48.525 | 0.0000 | 0.0000 | 78.607 | 1.48587 | 0.00000 | 789605.1 | 678189.9 | 0.0 | S |
| 48.533 | 0.0000 | 0.0000 | 78.606 | 1.48531 | 0.00000 | 789605.1 | 678234.5 | 0.0 | S |
| 48.542 | 0.0000 | 0.0000 | 78.605 | 1.48476 | 0.00000 | 789605.1 | 678279.1 | 0.0 | S |
| 48.550 | 0.0000 | 0.0000 | 78.604 | 1.48420 | 0.00000 | 789605.1 | 678323.6 | 0.0 | S |
| 48.558 | 0.0000 | 0.0000 | 78.602 | 1.48365 | 0.00000 | 789605.1 | 678368.1 | 0.0 | S |
| 48.567 | 0.0000 | 0.0000 | 78.601 | 1.48309 | 0.00000 | 789605.1 | 678412.6 | 0.0 | S |
| 48.575 | 0.0000 | 0.0000 | 78.600 | 1.48254 | 0.00000 | 789605.1 | 678457.1 | 0.0 | S |
| 48.583 | 0.0000 | 0.0000 | 78.599 | 1.48198 | 0.00000 | 789605.1 | 678501.6 | 0.0 | S |
| 48.592 | 0.0000 | 0.0000 | 78.598 | 1.48143 | 0.00000 | 789605.1 | 678546.1 | 0.0 | S |
| 48.600 | 0.0000 | 0.0000 | 78.597 | 1.48088 | 0.00000 | 789605.1 | 678590.5 | 0.0 | S |
| 48.608 | 0.0000 | 0.0000 | 78.596 | 1.48033 | 0.00000 | 789605.1 | 678634.9 | 0.0 | S |
| 48.617 | 0.0000 | 0.0000 | 78.595 | 1.47977 | 0.00000 | 789605.1 | 678679.3 | 0.0 | S |
| 48.625 | 0.0000 | 0.0000 | 78.593 | 1.47922 | 0.00000 | 789605.1 | 678723.7 | 0.0 | S |
| 48.633 | 0.0000 | 0.0000 | 78.592 | 1.47867 | 0.00000 | 789605.1 | 678768.1 | 0.0 | S |
| 48.642 | 0.0000 | 0.0000 | 78.591 | 1.47812 | 0.00000 | 789605.1 | 678872.4 | 0.0 | S |
| 48.650 | 0.0000 | 0.0000 | 78.590 | 1.47757 | 0.00000 | 789605.1 | 678856.8 | 0.0 | S |
| 48.658 | 0.0000 | 0.0000 | 78.589 | 1.47702 | 0.00000 | 789605.1 | 678901.1 | 0.0 | S |
| 48.667 | 0.0000 | 0.0000 | 78.588 | 1.47647 | 0.00000 | 789605.1 | 678945.4 | 0.0 | S |
| 48.675 | 0.0000 | 0.0000 | 78.587 | 1.47592 | 0.00000 | 789605.1 | 678989.6 | 0.0 | S |
| 48.683 | 0.0000 | 0.0000 | 78.586 | 1.47537 | 0.00000 | 789605.1 | 679033.9 | 0.0 | S |
| 48.692 | 0.0000 | 0.0000 | 78.585 | 1.47482 | 0.00000 | 789605.1 | 679078.2 | 0.0 | S |
| 48.700 | 0.0000 | 0.0000 | 78.583 | 1.47427 | 0.00000 | 789605.1 | 679122.4 | 0.0 | S |
| 48.708 | 0.0000 | 0.0000 | 78.582 | 1.47372 | 0.00000 | 789605.1 | 679166.6 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :. Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Overlow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 48.717 | 0.0000 | 0.0000 | 78.581 | 1.47317 | 0.00000 | 789605.1 | 679210.8 | 0.0 | S |
| 48.725 | 0.0000 | 0.0000 | 78.580 | 1.47263 | 0.00000 | 789605.1 | 679255.0 | 0.0 | S |
| 48.733 | 0.0000 | 0.0000 | 78.579 | 1.47208 | 0.00000 | 789605.1 | 679299.2 | 0.0 | S |
| 48.742 | 0.0000 | 0.0000 | 78.578 | 1.47153 | 0.00000 | 789605.1 | 679343.3 | 0.0 | S |
| 48.750 | 0.0000 | 0.0000 | 78.577 | 1.47098 | 0.00000 | 789605.1 | 679387.5 | 0.0 | S |
| 48.758 | 0.0000 | 0.0000 | 78.576 | 1.47044 | 0.00000 | 789605.1 | 679431.6 | 0.0 | S |
| 48.767 | 0.0000 | 0.0000 | 78.575 | 1.46989 | 0.00000 | 789605.1 | 679475.7 | 0.0 | S |
| 48.775 | 0.0000 | 0.0000 | 78.573 | 1.46935 | 0.00000 | 789605.1 | 679519.8 | 0.0 | S |
| 48.783 | 0.0000 | 0.0000 | 78.572 | 1.46880 | 0.00000 | 789605.1 | 679563.9 | 0.0 | S |
| 48.792 | 0.0000 | 0.0000 | 78.571 | 1.46826 | 0.00000 | 789605.1 | 679607.9 | 0.0 | S |
| 48.800 | 0.0000 | 0.0000 | 78.570 | 1.46771 | 0.00000 | 789605.1 | 679651.9 | 0.0 | S |
| 48.808 | 0.0000 | 0.0000 | 78.569 | 1.46717 | 0.00000 | 789605.1 | 679696.0 | 0.0 | S |
| 48.817 | 0.0000 | 0.0000 | 78.568 | 1.46662 | 0.00000 | 789605.1 | 679740.0 | 0.0 | S |
| 48.825 | 0.0000 | 0.0000 | 78.567 | 1.46608 | 0.00000 | 789605.1 | 679784.0 | 0.0 | S |
| 48.833 | 0.0000 | 0.0000 | 78.566 | 1.46554 | 0.00000 | 789605.1 | 679827.9 | 0.0 | S |
| 48.842 | 0.0000 | 0.0000 | 78.565 | 1.46499 | 0.00000 | 789605.1 | 679871.9 | 0.0 | S |
| 48.850 | 0.0000 | 0.0000 | 78.563 | 1.46445 | 0.00000 | 789605.1 | 679915.9 | 0.0 | S |
| 48.858 | 0.0000 | 0.0000 | 78.562 | 1.46391 | 0.00000 | 789605.1 | 679959.8 | 0.0 | S |
| 48.867 | 0.0000 | 0.0000 | 78.561 | 1.46337 | 0.00000 | 789605.1 | 680003.7 | 0.0 | S |
| 48.875 | 0.0000 | 0.0000 | 78.560 | 1.46283 | 0.00000 | 789605.1 | 680047.6 | 0.0 | S |
| 48.883 | 0.0000 | 0.0000 | 78.559 | 1.46229 | 0.00000 | 789605.1 | 680091.4 | 0.0 | S |
| 48.892 | 0.0000 | 0.0000 | 78.558 | 1.46174 | 0.00000 | 789605.1 | 680135.3 | 0.0 | S |
| 48.900 | 0.0000 | 0.0000 | 78.557 | 1.46120 | 0.00000 | 789605.1 | 680179.1 | 0.0 | S |
| 48.908 | 0.0000 | 0.0000 | 78.556 | 1.46066 | 0.00000 | 789605.1 | 680223.0 | 0.0 | S |
| 48.917 | 0.0000 | 0.0000 | 78.555 | 1.46012 | 0.00000 | 789605.1 | 680266.8 | 0.0 | S |
| 48.925 | 0.0000 | 0.0000 | 78.553 | 1.45958 | 0.00000 | 789605.1 | 680310.6 | 0.0 | S |
| 48.933 | 0.0000 | 0.0000 | 78.552 | 1.45905 | 0.00000 | 789605.1 | 680354.4 | 0.0 | S |
| 48.942 | 0.0000 | 0.0000 | 78.551 | 1.45851 | 0.00000 | 789605.1 | 680398.1 | 0.0 | S |
| 48.950 | 0.0000 | 0.0000 | 78.550 | 1.45797 | 0.00000 | 789605.1 | 680441.9 | 0.0 | S |
| 48.958 | 0.0000 | 0.0000 | 78.549 | 1.45743 | 0.00000 | 789605.1 | 680485.6 | 0.0 | S |
| 48.967 | 0.0000 | 0.0000 | 78.548 | 1.45689 | 0.00000 | 789605.1 | 680529.3 | 0.0 | S |
| 48.975 | 0.0000 | 0.0000 | 78.547 | 1.45636 | 0.00000 | 789605.1 | 680573.0 | 0.0 | S |
| 48.983 | 0.0000 | 0.0000 | 78.546 | 1.45582 | 0.00000 | 789605.1 | 680616.7 | 0.0 | S |
| 48.992 | 0.0000 | 0.0000 | 78.545 | 1.45528 | 0.00000 | 789605.1 | 680660.4 | 0.0 | S |
| 49.000 | 0.0000 | 0.0000 | 78.543 | 1.45474 | 0.00000 | 789605.1 | 680704.0 | 0.0 | S |
| 49.008 | 0.0000 | 0.0000 | 78.542 | 1.45421 | 0.00000 | 789605.1 | 680747.7 | 0.0 | S |
| 49.017 | 0.0000 | 0.0000 | 78.541 | 1.45367 | 0.00000 | 789605.1 | 680791.3 | 0.0 | S |
| 49.025 | 0.0000 | 0.0000 | 78.540 | 1.45314 | 0.00000 | 789605.1 | 680834.9 | 0.0 | S |
| 49.033 | 0.0000 | 0.0000 | 78.539 | 1.45260 | 0.00000 | 789605.1 | 680878.4 | 0.0 | S |
| 49.042 | 0.0000 | 0.0000 | 78.538 | 1.45207 | 0.00000 | 789605.1 | 680922.1 | 0.0 | S |
| 49.050 | 0.0000 | 0.0000 | 78.537 | 1.45153 | 0.00000 | 789605.1 | 680965.6 | 0.0 | S |
| 49.058 | 0.0000 | 0.0000 | 78.536 | 1.45100 | 0.00000 | 789605.1 | 681009.1 | 0.0 | S |
| 49.067 | 0.0000 | 0.0000 | 78.535 | 1.45047 | 0.00000 | 789605.1 | 681052.6 | 0.0 | S |
| 49.075 | 0.0000 | 0.0000 | 78.533 | 1.44993 | 0.00000 | 789605.1 | 681096.1 | 0.0 | S |
| 49.083 | 0.0000 | 0.0000 | 78.532 | 1.44940 | 0.00000 | 789605.1 | 681139.6 | 0.0 | S |
| 49.092 | 0.0000 | 0.0000 | 78.531 | 1.44887 | 0.00000 | 789605.1 | 681183.1 | 0.0 | S |
| 49.100 | 0.0000 | 0.0000 | 78.530 | 1.44833 | 0.00000 | 789605.1 | 681226.6 | 0.0 | S |
| 49.108 | 0.0000 | 0.0000 | 78.529 | 1.44780 | 0.00000 | 789605.1 | 681270.0 | 0.0 | S |
| 49.117 | 0.0000 | 0.0000 | 78.528 | 1.44727 | 0.00000 | 789605.1 | 681313.4 | 0.0 | S |
| 49.125 | 0.0000 | 0.0000 | 78.527 | 1.44674 | 0.00000 | 789605.1 | 681356.9 | 0.0 | S |
| 49.133 | 0.0000 | 0.0000 | 78.526 | 1.44621 | 0.00000 | 789605.1 | 681400.3 | 0.0 | S |
| 49.142 | 0.0000 | 0.0000 | 78.525 | 1.44568 | 0.00000 | 789605.1 | 681443.6 | 0.0 | S |
| 49.150 | 0.0000 | 0.0000 | 78.524 | 1.44515 | 0.00000 | 789605.1 | 681487.0 | 0.0 | S |
| 49.158 | 0.0000 | 0.0000 | 78.522 | 1.44462 | 0.00000 | 789605.1 | 681530.3 | 0.0 | S |
| 49.167 | 0.0000 | 0.0000 | 78.521 | 1.44409 | 0.00000 | 789605.1 | 681573.7 | 0.0 | S |
| 49.175 | 0.0000 | 0.0000 | 78.520 | 1.44356 | 0.00000 | 789605.1 | 681617.0 | 0.0 | S |
| 49.183 | 0.0000 | 0.0000 | 78.519 | 1.44303 | 0.00000 | 789605.1 | 681660.3 | 0.0 | S |
| 49.192 | 0.0000 | 0.0000 | 78.518 | 1.44250 | 0.00000 | 789605.1 | 681703.6 | 0.0 | S |
| 49.200 | 0.0000 | 0.0000 | 78.517 | 1.44197 | 0.00000 | 789605.1 | 681746.8 | 0.0 | S |
| 49.208 | 0.0000 | 0.0000 | 78.516 | 1.44144 | 0.00000 | 789605.1 | 681790.1 | 0.0 | S |
| 49.217 | 0.0000 | 0.0000 | 78.515 | 1.44092 | 0.00000 | 789605.1 | 681833.3 | 0.0 | S |
| 49.225 | 0.0000 | 0.0000 | 78.514 | 1.44039 | 0.00000 | 789605.1 | 681876.6 | 0.0 | S |
| 49.233 | 0.0000 | 0.0000 | 78.512 | 1.43986 | 0.00000 | 789605.1 | 681919.8 | 0.0 | S |
| 49.242 | 0.0000 | 0.0000 | 78.511 | 1.43933 | 0.00000 | 789605.1 | 681962.9 | 0.0 | S |
| 49.250 | 0.0000 | 0.0000 | 78.510 | 1.43881 | 0.00000 | 789605.1 | 682006.1 | 0.0 | S |
| 49.258 | 0.0000 | 0.0000 | 78.509 | 1.43828 | 0.00000 | 789605.1 | 682049.3 | 0.0 | S |
| 49.267 | 0.0000 | 0.0000 | 78.508 | 1.43775 | 0.00000 | 789605.1 | 682092.4 | 0.0 | S |
| 49.275 | 0.0000 | 0.0000 | 78.507 | 1.43723 | 0.00000 | 789605.1 | 682135.5 | 0.0 | S |
| 49.283 | 0.0000 | 0.0000 | 78.506 | 1.43671 | 0.00000 | 789605.1 | 682178.6 | 0.0 | S |
| 49.292 | 0.0000 | 0.0000 | 78.505 | 1.43618 | 0.00000 | 789605.1 | 682221.8 | 0.0 | S |
| 49.300 | 0.0000 | 0.0000 | 78.504 | 1.43566 | 0.00000 | 789605.1 | 682264.8 | 0.0 | S |
| 49.308 | 0.0000 | 0.0000 | 78.503 | 1.43513 | 0.00000 | 789605.1 | 682307.9 | 0.0 | S |
| 49.317 | 0.0000 | 0.0000 | 78.501 | 1.43461 | 0.00000 | 789605.1 | 682350.9 | 0.0 | S |
| 49.325 | 0.0000 | 0.0000 | 78.500 | 1.43408 | 0.00000 | 789605.1 | 682393.9 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 5100 yr/24 hr

| Elapsed Time (hours) | Inflow Rate (f ${ }^{3} / \mathrm{s}$ ) | Outside Recharge (fidday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | $\begin{aligned} & \text { Flow } \\ & \text { Type } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 49.333 | 0.0000 | 0.0000 | 78.499 | 1.43356 | 0.00000 | 789605.1 | 682436.9 | 0.0 | S |
| 49.342 | 0.0000 | 0.0000 | 78.498 | 1.43304 | 0.00000 | 789605.1 | 682479.9 | 0.0 | S |
| 49.350 | 0.0000 | 0.0000 | 78.497 | 1.43251 | 0.00000 | 789605.1 | 682522.9 | 0.0 | S |
| 49.358 | 0.0000 | 0.0000 | 78.496 | 1.43199 | 0.00000 | 789605.1 | 682565.9 | 0.0 | S |
| 49.367 | 0.0000 | 0.0000 | 78.495 | 1.43147 | 0.00000 | 789605.1 | 682608.9 | 0.0 | S |
| 49.375 | 0.0000 | 0.0000 | 78.494 | 1.43095 | 0.00000 | 789605.1 | 682651.8 | 0.0 | S |
| 49.383 | 0.0000 | 0.0000 | 78.493 | 1.43043 | 0.00000 | 789605.1 | 682694.7 | 0.0 | S |
| 49.392 | 0.0000 | 0.0000 | 78.492 | 1.42991 | 0.00000 | 789605.1 | 682737.6 | 0.0 | S |
| 49.400 | 0.0000 | 0.0000 | 78.490 | 1.42939 | 0.00000 | 789605.1 | 682780.5 | 0.0 | S |
| 49.408 | 0.0000 | 0.0000 | 78.489 | 1.42887 | 0.00000 | 789605.1 | 682823.4 | 0.0 | S |
| 49.417 | 0.0000 | 0.0000 | 78.488 | 1.42835 | 0.00000 | 789605.1 | 682866.3 | 0.0 | S |
| 49.425 | 0.0000 | 0.0000 | 78.487 | 1.42783 | 0.00000 | 789605.1 | 682909.1 | 0.0 | S |
| 49.433 | 0.0000 | 0.0000 | 78.486 | 1.42731 | 0.00000 | 789605.1 | 682951.9 | 0.0 | S |
| 49.442 | 0.0000 | 0.0000 | 78.485 | 1.42679 | 0.00000 | 789605.1 | 682994.8 | 0.0 | S |
| 49.450 | 0.0000 | 0.0000 | 78.484 | 1.42627 | 0.00000 | 789605.1 | 683037.5 | 0.0 | S |
| 49.458 | 0.0000 | 0.0000 | 78.483 | 1.42575 | 0.00000 | 789605.1 | 683080.3 | 0.0 | S |
| 49.467 | 0.0000 | 0.0000 | 78.482 | 1.42523 | 0.00000 | 789605.1 | 683123.1 | 0.0 | S |
| 49.475 | 0.0000 | 0.0000 | 78.481 | 1.42472 | 0.00000 | 789605.1 | 683165.8 | 0.0 | S |
| 49.483 | 0.0000 | 0.0000 | 78.479 | 1.42420 | 0.00000 | 789605.1 | 683208.6 | 0.0 | S |
| 49.492 | 0.0000 | 0.0000 | 78.478 | 1.42368 | 0.00000 | 789605.1 | 683251.3 | 0.0 | S |
| 49.500 | 0.0000 | 0.0000 | 78.477 | 1.42316 | 0.00000 | 789605.1 | 683293.9 | 0.0 | S |
| 49.508 | 0.0000 | 0.0000 | 78.476 | 1.42265 | 0.00000 | 789605.1 | 683336.6 | 0.0 | S |
| 49.517 | 0.0000 | 0.0000 | 78.475 | 1.42213 | 0.00000 | 789605.1 | 683379.3 | 0.0 | S |
| 49.525 | 0.0000 | 0.0000 | 78.474 | 1.42161 | 0.00000 | 789605.1 | 683422.0 | 0.0 | S |
| 49.533 | 0.0000 | 0.0000 | 78.473 | 1.42110 | 0.00000 | 789605.1 | 683464.6 | 0.0 | S |
| 49.542 | 0.0000 | 0.0000 | 78.472 | 1.42058 | 0.00000 | 789605.1 | 683507.3 | 0.0 | S |
| 49.550 | 0.0000 | 0.0000 | 78.471 | 1.42007 | 0.00000 | 789605.1 | 683549.9 | 0.0 | S |
| 49.558 | 0.0000 | 0.0000 | 78.470 | 1.41955 | 0.00000 | 789605.1 | 683592.4 | 0.0 | S |
| 49.567 | 0.0000 | 0.0000 | 78.469 | 1.41904 | 0.00000 | 789605.1 | 683635.0 | 0.0 | S |
| 49.575 | 0.0000 | 0.0000 | 78.467 | 1.41853 | 0.00000 | 789605.1 | 683677.6 | 0.0 | S |
| 49.583 | 0.0000 | 0.0000 | 78.466 | 1.41801 | 0.00000 | 789605.1 | 683720.1 | 0.0 | S |
| 49.592 | 0.0000 | 0.0000 | 78.465 | 1.41750 | 0.00000 | 789605.1 | 683762.7 | 0.0 | S |
| 49.600 | 0.0000 | 0.0000 | 78.464 | 1.41699 | 0.00000 | 789605.1 | 683805.2 | 0.0 | S |
| 49.608 | 0.0000 | 0.0000 | 78.463 | 1.41647 | 0.00000 | 788605.1 | 683847.7 | 0.0 | S |
| 49.617 | 0.0000 | 0.0000 | 78.462 | 1.41596 | 0.00000 | 789605.1 | 683890.2 | 0.0 | S |
| 49.625 | 0.0000 | 0.0000 | 78.461 | 1.41545 | 0.00000 | 789605.1 | 683932.6 | 0.0 | S |
| 49.633 | 0.0000 | 0.0000 | 78.460 | 1.41494 | 0.00000 | 789605.1 | 683975.1 | 0.0 | S |
| 49.642 | 0.0000 | 0.0000 | 78.459 | 1.41443 | 0.00000 | 789605.1 | 684017.6 | 0.0 | S |
| 49.650 | 0.0000 | 0.0000 | 78.458 | 1.41391 | 0.00000 | 789605.1 | 684060.0 | 0.0 | S |
| 49.658 | 0.0000 | 0.0000 | 78.456 | 1.41340 | 0.00000 | 789605.1 | 684102.4 | 0.0 | S |
| 49.667 | 0.0000 | 0.0000 | 78.455 | 1.41289 | 0.00000 | 789605.1 | 684144.8 | 0.0 | S |
| 49.675 | 0.0000 | 0.0000 | 78.454 | 1.41238 | 0.00000 | 789605.1 | 684187.1 | 0.0 | S |
| 49.683 | 0.0000 | 0.0000 | 78.453 | 1.41187 | 0.00000 | 789605.1 | 684229.5 | 0.0 | S |
| 49.692 | 0.0000 | 0.0000 | 78.452 | 1.41136 | 0.00000 | 789605.1 | 884271.9 | 0.0 | S |
| 49.700 | 0.0000 | 0.0000 | 78.451 | 1.41085 | 0.00000 | 789605.1 | 684314.2 | 0.0 | S |
| 49.708 | 0.0000 | 0.0000 | 78.450 | 1.41034 | 0.00000 | 789605.1 | 684356.5 | 0.0 | S |
| 49.717 | 0.0000 | 0.0000 | 78.449 | 1.40984 | 0.00000 | 789605.1 | 684398.8 | 0.0 | S |
| 49.725 | 0.0000 | 0.0000 | 78.448 | 1.40933 | 0.00000 | 789605.1 | 684441.1 | 0.0 | S |
| 49.733 | 0.0000 | 0.0000 | 78.447 | 1.40882 | 0.00000 | 789605.1 | 684483.4 | 0.0 | S |
| 49.742 | 0.0000 | 0.0000 | 78.446 | 1.40831 | 0.00000 | 789605.1 | 684525.6 | 0.0 | S |
| 49.750 | 0.0000 | 0.0000 | 78.444 | 1.40780 | 0.00000 | 789605.1 | 684567.9 | 0.0 | S |
| 49.758 | 0.0000 | 0.0000 | 78.443 | 1.40730 | 0.00000 | 789605.1 | 684610.1 | 0.0 | S |
| 49.767 | 0.0000 | 0.0000 | 78.442 | 1.40879 | 0.00000 | 789605.1 | 684652.3 | 0.0 | S |
| 49.775 | 0.0000 | 0.0000 | 78.441 | 1.40628 | 0.00000 | 789605.1 | 684694.5 | 0.0 | S |
| 49.783 | 0.0000 | 0.0000 | 78.440 | 1.40578 | 0.00000 | 789605.1 | 684736.7 | 0.0 | S |
| 49.792 | 0.0000 | 0.0000 | 78.439 | 1.40527 | 0.00000 | 789605.1 | 684778.9 | 0.0 | S |
| 49.800 | 0.0000 | 0.0000 | 78.438 | 1.40477 | 0.00000 | 789605.1 | 684821.0 | 0.0 | S |
| 49.808 | 0.0000 | 0.0000 | 78.437 | 1.40426 | 0.00000 | 789605.1 | 684863.1 | 0.0 | S |
| 49.817 | 0.0000 | 0.0000 | 78.436 | 1.40375 | 0.00000 | 789605.1 | 684905.3 | 0.0 | S |
| 49.825 | 0.0000 | 0.0000 | 78.435 | 1.40325 | 0.00000 | 789605.1 | 684947.4 | 0.0 | S |
| 49.833 | 0.0000 | 0.0000 | 78.434 | 1.40274 | 0.00000 | 789605.1 | 684989.4 | 0.0 | S |
| 49.842 | 0.0000 | 0.0000 | 78.432 | 1.40224 | 0.00000 | 789605.1 | 685031.6 | 0.0 | S |
| 49.850 | 0.0000 | 0.0000 | 78.431 | 1.40174 | 0.00000 | 789605.1 | 685073.6 | 0.0 | S |
| 49.858 | 0.0000 | 0.0000 | 78.430 | 1.40123 | 0.00000 | 789605.1 | 685115.6 | 0.0 | S |
| 49.867 | 0.0000 | 0.0000 | 78.429 | 1.40073 | 0.00000 | 789605.1 | 685157.7 | 0.0 | S |
| 49.875 | 0.0000 | 0.0000 | 78.428 | 1.40023 | 0.00000 | 789605.1 | 685199.7 | 0.0 | S |
| 49.883 | 0.0000 | 0.0000 | 78.427 | 1.39972 | 0.00000 | 789605.1 | 685241.7 | 0.0 | S |
| 49.892 | 0.0000 | 0.0000 | 78.426 | 1.39922 | 0.00000 | 789605.1 | 685283.7 | 0.0 | S |
| 49.900 | 0.0000 | 0.0000 | 78.425 | 1.39872 | 0.00000 | 789605.1 | 685325.6 | 0.0 | S |
| 49.908 | 0.0000 | 0.0000 | 78.424 | 1.39822 | 0.00000 | 789605.1 | 685367.6 | 0.0 | S |
| 49.917 | 0.0000 | 0.0000 | 78.423 | 1.39772 | 0.00000 | 789605.1 | 685409.5 | 0.0 | S |
| 49.925 | 0.0000 | 0.0000 | 78.422 | 1.39722 | 0.00000 | 789605.1 | 685451.4 | 0.0 | S |
| 49.933 | 0.0000 | 0.0000 | 78.420 | 1.39671 | 0.00000 | 789605.1 | 685493.4 | 0.0 | S |
| 49.942 | 0.0000 | 0.0000 | 78.419 | 1.39621 | 0.00000 | 789605.1 | 685535.3 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 5100 yr / 24 hr

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiftration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{H}^{3}$ ) | Cumulative <br> Discharge <br> Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 49.950 | 0.0000 | 0.0000 | 78.418 | 1.39571 | 0.00000 | 789605.1 | 685577.1 | 0.0 | S |
| 49.958 | 0.0000 | 0.0000 | 78.417 | 1.39521 | 0.00000 | 789605.1 | 685619.0 | 0.0 | S |
| 49.967 | 0.0000 | 0.0000 | 78.416 | 1.39471 | 0.00000 | 789605.1 | 685660.9 | 0.0 | S |
| 49.975 | 0.0000 | 0.0000 | 78.415 | 1.39422 | 0.00000 | 789605.1 | 685702.7 | 0.0 | S |
| 49.983 | 0.0000 | 0.0000 | 78.414 | 1.39372 | 0.00000 | 789605.1 | 685744.5 | 0.0 | S |
| 49.992 | 0.0000 | 0.0000 | 78.413 | 1.39322 | 0.00000 | 789605.1 | 685786.3 | 0.0 | S |
| 50.000 | 0.0000 | 0.0000 | 78.412 | 1.39272 | 0.00000 | 789605.1 | 685828.1 | 0.0 | S |
| 50.008 | 0.0000 | 0.0000 | 78.411 | 1.39222 | 0.00000 | 789605.1 | 685869.9 | 0.0 | S |
| 50.017 | 0.0000 | 0.0000 | 78.410 | 1.39172 | 0.00000 | 789605.1 | 685911.6 | 0.0 | S |
| 50.025 | 0.0000 | 0.0000 | 78.409 | 1.39122 | 0.00000 | 789605.1 | 685953.4 | 0.0 | S |
| 50.033 | 0.0000 | 0.0000 | 78.407 | 1.39073 | 0.00000 | 789605.1 | 685995.1 | 0.0 | S |
| 50.042 | 0.0000 | 0.0000 | 78.406 | 1.39023 | 0.00000 | 789605.1 | 686036.8 | 0.0 | S |
| 50.050 | 0.0000 | 0.0000 | 78.405 | 1.38973 | 0.00000 | 789605.1 | 686078.5 | 0.0 | S |
| 50.058 | 0.0000 | 0.0000 | 78.404 | 1.38924 | 0.00000 | 789605.1 | 686120.2 | 0.0 | S |
| 50.067 | 0.0000 | 0.0000 | 78.403 | 1.38874 | 0.00000 | 789605.1 | 686161.9 | 0.0 | S |
| 50.075 | 0.0000 | 0.0000 | 78.402 | 1.38824 | 0.00000 | 789605.1 | 686203.5 | 0.0 | S |
| 50.083 | 0.0000 | 0.0000 | 78.401 | 1.38775 | 0.00000 | 789605.1 | 686245.2 | 0.0 | S |
| 50.092 | 0.0000 | 0.0000 | 78.400 | 1.38725 | 0.00000 | 789605.1 | 686286.8 | 0.0 | S |
| 50.100 | 0.0000 | 0.0000 | 78.399 | 1.38676 | 0.00000 | 789605.1 | 686328.4 | 0.0 | S |
| 50.108 | 0.0000 | 0.0000 | 78.398 | 1.38626 | 0.00000 | 789605.1 | 686370.0 | 0.0 | S |
| 50.117 | 0.0000 | 0.0000 | 78.397 | 1.38577 | 0.00000 | 789605.1 | 686411.6 | 0.0 | S |
| 50.125 | 0.0000 | 0.0000 | 78.395 | 1.38528 | 0.00000 | 789605.1 | 686453.1 | 0.0 | S |
| 50.133 | 0.0000 | 0.0000 | 78.394 | 1.38478 | 0.00000 | 789605.1 | 686494.7 | 0.0 | S |
| 50.142 | 0.0000 | 0.0000 | 78.393 | 1.38429 | 0.00000 | 789605.1 | 686536.3 | 0.0 | S |
| 50.150 | 0.0000 | 0.0000 | 78.392 | 1.38380 | 0.00000 | 789605.1 | 686577.8 | 0.0 | S |
| 50.158 | 0.0000 | 0.0000 | 78.391 | 1.38330 | 0.00000 | 789605.1 | 686619.3 | 0.0 | S |
| 50.167 | 0.0000 | 0.0000 | 78.390 | 1.38281 | 0.00000 | 789605.1 | 686660.8 | 0.0 | S |
| 50.175 | 0.0000 | 0.0000 | 78.389 | 1.38232 | 0.00000 | 789605.1 | 686702.3 | 0.0 | S |
| 50.183 | 0.0000 | 0.0000 | 78.388 | 1.38183 | 0.00000 | 789605.1 | 686743.7 | 0.0 | S |
| 50.192 | 0.0000 | 0.0000 | 78.387 | 1.38133 | 0.00000 | 789605.1 | 686785.1 | 0.0 | S |
| 50.200 | 0.0000 | 0.0000 | 78.386 | 1.38084 | 0.00000 | 789605.1 | 686826.6 | 0.0 | S |
| 50.208 | 0.0000 | 0.0000 | 78.385 | 1.38035 | 0.00000 | 789605.1 | 686868.0 | 0.0 | S |
| 50.217 | 0.0000 | 0.0000 | 78.384 | 1.37986 | 0.00000 | 789605.1 | 686909.4 | 0.0 | S |
| 50.225 | 0.0000 | 0.0000 | 78.382 | 1.37937 | 0.00000 | 789605.1 | 686950.8 | 0.0 | S |
| 50.233 | 0.0000 | 0.0000 | 78.381 | 1.37888 | 0.00000 | 789605.1 | 686992.1 | 0.0 | S |
| 50.242 | 0.0000 | 0.0000 | 78.380 | 1.37839 | 0.00000 | 789605.1 | 687033.5 | 0.0 | S |
| 50.250 | 0.0000 | 0.0000 | 78.379 | 1.37790 | 0.00000 | 789605.1 | 687074.9 | 0.0 | S |
| 50.258 | 0.0000 | 0.0000 | 78.378 | 1.37741 | 0.00000 | 789605.1 | 687116.2 | 0.0 | S |
| 50.267 | 0.0000 | 0.0000 | 78.377 | 1.37692 | 0.00000 | 789605.1 | 687157.5 | 0.0 | S |
| 50.275 | 0.0000 | 0.0000 | 78.376 | 1.37643 | 0.00000 | 789605.1 | 687198.8 | 0.0 | S |
| 50.283 | 0.0000 | 0.0000 | 78.375 | 1.37594 | 0.00000 | 789605.1 | 687240.1 | 0.0 | S |
| 50.292 | 0.0000 | 0.0000 | 78.374 | 1.37545 | 0.00000 | 789605.1 | 687281.4 | 0.0 | S |
| 50.300 | 0.0000 | 0.0000 | 78.373 | 1.37497 | 0.00000 | 789605.1 | 687322.6 | 0.0 | S |
| 50.308 | 0.0000 | 0.0000 | 78.372 | 1.37448 | 0.00000 | 789605.1 | 687363.9 | 0.0 | S |
| 50.317 | 0.0000 | 0.0000 | 78.371 | 1.37399 | 0.00000 | 789605.1 | 687405.1 | 0.0 | S |
| 50.325 | 0.0000 | 0.0000 | 78.370 | 1.37350 | 0.00000 | 789605.1 | 687446.3 | 0.0 | S |
| 50.333 | 0.0000 | 0.0000 | 78.368 | 1.37302 | 0.00000 | 789605.1 | 687487.5 | 0.0 | S |
| 50.342 | 0.0000 | 0.0000 | 78.367 | 1.37253 | 0.00000 | 789605.1 | 687528.7 | 0.0 | S |
| 50.350 | 0.0000 | 0.0000 | 78.366 | 1.37204 | 0.00000 | 789605.1 | 687569.8 | 0.0 | S |
| 50.358 | 0.0000 | 0.0000 | 78.365 | 1.37156 | 0.00000 | 789605.1 | 687611.0 | 0.0 | S |
| 50.367 | 0.0000 | 0.0000 | 78.364 | 1.37107 | 0.00000 | 789605.1 | 687652.1 | 0.0 | S |
| 50.375 | 0.0000 | 0.0000 | 78.363 | 1.37059 | 0.00000 | 789605.1 | 687693.3 | 0.0 | S |
| 50.383 | 0.0000 | 0.0000 | 78.362 | 1.37010 | 0.00000 | 789605.1 | 687734.4 | 0.0 | S |
| 50.392 | 0.0000 | 0.0000 | 78.361 | 1.36962 | 0.00000 | 789605.1 | 687775.4 | 0.0 | S |
| 50.400 | 0.0000 | 0.0000 | 78.360 | 1.36913 | 0.00000 | 789605.1 | 687816.6 | 0.0 | S |
| 50.408 | 0.0000 | 0.0000 | 78.359 | 1.36865 | 0.00000 | 789605.1 | 687857.6 | 0.0 | S |
| 50.417 | 0.0000 | 0.0000 | 78.358 | 1.36816 | 0.00000 | 789605.1 | 687898.7 | 0.0 | S |
| 50.425 | 0.0000 | 0.0000 | 78.357 | 1.36768 | 0.00000 | 789605.1 | 687939.7 | 0.0 | S |
| 50.433 | 0.0000 | 0.0000 | 78.355 | 1.36720 | 0.00000 | 789605.1 | 687980.8 | 0.0 | S |
| 50.442 | 0.0000 | 0.0000 | 78.354 | 1.36671 | 0.00000 | 789605.1 | 688021.8 | 0.0 | S |
| 50.450 | 0.0000 | 0.0000 | 78.353 | 1.36623 | 0.00000 | 789605.1 | 688062.8 | 0.0 | S |
| 50.458 | 0.0000 | 0.0000 | 78.352 | 1.36575 | 0.00000 | 789605.1 | 688103.7 | 0.0 | S |
| 50.467 | 0.0000 | 0.0000 | 78.351 | 1.36527 | 0.00000 | 789605.1 | 688144.7 | 0.0 | S |
| 50.475 | 0.0000 | 0.0000 | 78.350 | 1.36478 | 0.00000 | 789605.1 | 688185.6 | 0.0 | S |
| 50.483 | 0.0000 | 0.0000 | 78.349 | 1.36430 | 0.00000 | 789605.1 | 688226.6 | 0.0 | S |
| 50.492 | 0.0000 | 0.0000 | 78.348 | 1.36382 | 0.00000 | 789605.1 | 688267.5 | 0.0 | S |
| 50.500 | 0.0000 | 0.0000 | 78.347 | 1.36334 | 0.00000 | 789605.1 | 688308.4 | 0.0 | S |
| 50.508 | 0.0000 | 0.0000 | 78.346 | 1.36286 | 0.00000 | 789605.1 | 688349.3 | 0.0 | S |
| 50.517 | 0.0000 | 0.0000 | 78.345 | 1.36238 | 0.00000 | 789605.1 | 688390.2 | 0.0 | S |
| 50.525 | 0.0000 | 0.0000 | 78.344 | 1.36190 | 0.00000 | 789605.1 | 688431.0 | 0.0 | S |
| 50.533 | 0.0000 | 0.0000 | 78.343 | 1.36142 | 0.00000 | 789605.1 | 688471.9 | 0.0 | S |
| 50.542 | 0.0000 | 0.0000 | 78.341 | 1.36094 | 0.00000 | 789605.1 | 688512.7 | 0.0 | S |
| 50.550 | 0.0000 | 0.0000 | 78.340 | 1.36046 | 0.00000 | 789605.1 | 688553.5 | 0.0 | S |
| 50.558 | 0.0000 | 0.0000 | 78.339 | 1.35998 | 0.00000 | 789605.1 | 688594.3 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overfiow Discharge ( $\mathrm{A}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 50.567 | 0.0000 | 0.0000 | 78.338 | 1.35950 | 0.00000 | 789605.1 | 688635.1 | 0.0 | S |
| 50.575 | 0.0000 | 0.0000 | 78.337 | 1.35902 | 0.00000 | 789605.1 | 688675.9 | 0.0 | S |
| 50.583 | 0.0000 | 0.0000 | 78.336 | 1.35854 | 0.00000 | 789605.1 | 688716.7 | 0.0 | S |
| 50.592 | 0.0000 | 0.0000 | 78.335 | 1.35806 | 0.00000 | 789605.1 | 688757.4 | 0.0 | S |
| 50.600 | 0.0000 | 0.0000 | 78.334 | 1.35759 | 0.00000 | 789605.1 | 688798.1 | 0.0 | S |
| 50.608 | 0.0000 | 0.0000 | 78.333 | 1.35711 | 0.00000 | 789605.1 | 688838.9 | 0.0 | S |
| 50.617 | 0.0000 | 0.0000 | 78.332 | 1.35663 | 0.00000 | 789605.1 | 688879.6 | 0.0 | S |
| 50.625 | 0.0000 | 0.0000 | 78.331 | 1.35615 | 0.00000 | 789605.1 | 688920.3 | 0.0 | S |
| 50.633 | 0.0000 | 0.0000 | 78.330 | 1.35568 | 0.00000 | 789605.1 | 688960.9 | 0.0 | S |
| 50.642 | 0.0000 | 0.0000 | 78.329 | 1.35520 | 0.00000 | 789605.1 | 689001.6 | 0.0 | S |
| 50.650 | 0.0000 | 0.0000 | 78.328 | 1.35472 | 0.00000 | 789605.1 | 689042.3 | 0.0 | S |
| 50.658 | 0.0000 | 0.0000 | 78.326 | 1.35425 | 0.00000 | 789605.1 | 689082.9 | 0.0 | S |
| 50.667 | 0.0000 | 0.0000 | 78.325 | 1.35377 | 0.00000 | 789605.1 | 689123.5 | 0.0 | S |
| 50.675 | 0.0000 | 0.0000 | 78.324 | 1.35330 | 0.00000 | 789605.1 | 689164.1 | 0.0 | S |
| 50.683 | 0.0000 | 0.0000 | 78.323 | 1.35282 | 0.00000 | 789605.1 | 689204.7 | 0.0 | S |
| 50.692 | 0.0000 | 0.0000 | 78.322 | 1.35235 | 0.00000 | 789605.1 | 689245.3 | 0.0 | S |
| 50.700 | 0.0000 | 0.0000 | 78.321 | 1.35187 | 0.00000 | 789605.1 | 689285.9 | 0.0 | S |
| 50.708 | 0.0000 | 0.0000 | 78.320 | 1.35140 | 0.00000 | 789605.1 | 689326.4 | 0.0 | S |
| 50.717 | 0.0000 | 0.0000 | 78.319 | 1.35092 | 0.00000 | 789605.1 | 689366.9 | 0.0 | S |
| 50.725 | 0.0000 | 0.0000 | 78.318 | 1.35045 | 0.00000 | 789605.1 | 689407.4 | 0.0 | S |
| 50.733 | 0.0000 | 0.0000 | 78.317 | 1.34997 | 0.00000 | 789605.1 | 689447.9 | 0.0 | S |
| 50.742 | 0.0000 | 0.0000 | 78.316 | 1.34950 | 0.00000 | 789605.1 | 689488.4 | 0.0 | S |
| 50.750 | 0.0000 | 0.0000 | 78.315 | 1.34903 | 0.00000 | 789605.1 | 689528.9 | 0.0 | S |
| 50.758 | 0.0000 | 0.0000 | 78.314 | 1.34856 | 0.00000 | 789605.1 | 689569.4 | 0.0 | S |
| 50.767 | 0.0000 | 0.0000 | 78.312 | 1.34808 | 0.00000 | 789605.1 | 689609.9 | 0.0 | S |
| 50.775 | 0.0000 | 0.0000 | 78.311 | 1.34761 | 0.00000 | 789605.1 | 689650.3 | 0.0 | S |
| 50.783 | 0.0000 | 0.0000 | 78.310 | 1.34714 | 0.00000 | 789605.1 | 689690.7 | 0.0 | S |
| 50.792 | 0.0000 | 0.0000 | 78.309 | 1.34667 | 0.00000 | 789605.1 | 689731.1 | 0.0 | S |
| 50.800 | 0.0000 | 0.0000 | 78.308 | 1.34619 | 0.00000 | 789605.1 | 689771.5 | 0.0 | S |
| 50.808 | 0.0000 | 0.0000 | 78.307 | 1.34572 | 0.00000 | 789605.1 | 689811.9 | 0.0 | S |
| 50.817 | 0.0000 | 0.0000 | 78.306 | 1.34525 | 0.00000 | 789605.1 | 689852.3 | 0.0 | S |
| 50.825 | 0.0000 | 0.0000 | 78.305 | 1.34478 | 0.00000 | 789605.1 | 689892.6 | 0.0 | S |
| 50.833 | 0.0000 | 0.0000 | 78.304 | 1.34431 | 0.00000 | 789605.1 | 689932.9 | 0.0 | S |
| 50.842 | 0.0000 | 0.0000 | 78.303 | 1.34384 | 0.00000 | 789605.1 | 689973.3 | 0.0 | S |
| 50.850 | 0.0000 | 0.0000 | 78.302 | 1.34337 | 0.00000 | 789605.1 | 690013.6 | 0.0 | S |
| 50.858 | 0.0000 | 0.0000 | 78.301 | 1.34290 | 0.00000 | 789605.1 | 690053.9 | 0.0 | S |
| 50.867 | 0.0000 | 0.0000 | 78.300 | 1.34243 | 0.00000 | 789605.1 | 690094.1 | 0.0 | S |
| 50.875 | 0.0000 | 0.0000 | 78.299 | 1.34196 | 0.00000 | 789605.1 | 690134.4 | 0.0 | S |
| 50.883 | 0.0000 | 0.0000 | 78.297 | 1.34150 | 0.00000 | 789605.1 | 690174.7 | 0.0 | S |
| 50.892 | 0.0000 | 0.0000 | 78.296 | 1.34103 | 0.00000 | 789605.1 | 690214.9 | 0.0 | S |
| 50.900 | 0.0000 | 0.0000 | 78.295 | 1.34056 | 0.00000 | 789605.1 | 690255.1 | 0.0 | S |
| 50.908 | 0.0000 | 0.0000 | 78.294 | 1.34009 | 0.00000 | 789605.1 | 690295.3 | 0.0 | S |
| 50.917 | 0.0000 | 0.0000 | 78.293 | 1.33962 | 0.00000 | 789605.1 | 690335.5 | 0.0 | S |
| 50.925 | 0.0000 | 0.0000 | 78.292 | 1.33916 | 0.00000 | 789605.1 | 690375.7 | 0.0 | S |
| 50.933 | 0.0000 | 0.0000 | 78.291 | 1.33869 | 0.00000 | 789605.1 | 690415.9 | 0.0 | S |
| 50.942 | 0.0000 | 0.0000 | 78.290 | 1.33822 | 0.00000 | 789605.1 | 690456.0 | 0.0 | S |
| 50.950 | 0.0000 | 0.0000 | 78.289 | 1.33775 | 0.00000 | 789605.1 | 690496.2 | 0.0 | S |
| 50.958 | 0.0000 | 0.0000 | 78.288 | 1.33729 | 0.00000 | 789605.1 | 690536.3 | 0.0 | S |
| 50.967 | 0.0000 | 0.0000 | 78.287 | 1.33682 | 0.00000 | 789605.1 | 690576.4 | 0.0 | S |
| 50.975 | 0.0000 | 0.0000 | 78.286 | 1.33636 | 0.00000 | 789605.1 | 690616.5 | 0.0 | S |
| 50.983 | 0.0000 | 0.0000 | 78.285 | 1.33589 | 0.00000 | 789605.1 | 690656.6 | 0.0 | S |
| 50.992 | 0.0000 | 0.0000 | 78.284 | 1.33543 | 0.00000 | 789605.1 | 690696.6 | 0.0 | S |
| 51.000 | 0.0000 | 0.0000 | 78.283 | 1.33496 | 0.00000 | 789605.1 | 690736.7 | 0.0 | S |
| 51.008 | 0.0000 | 0.0000 | 78.281 | 1.33449 | 0.00000 | 789605.1 | 690776.8 | 0.0 | S |
| 51.017 | 0.0000 | 0.0000 | 78.280 | 1.33403 | 0.00000 | 789605.1 | 690816.8 | 0.0 | S |
| 51.025 | 0.0000 | 0.0000 | 78.279 | 1.33357 | 0.00000 | 789605.1 | 690856.8 | 0.0 | S |
| 51.033 | 0.0000 | 0.0000 | 78.278 | 1.33310 | 0.00000 | 789605.1 | 690896.8 | 0.0 | S |
| 51.042 | 0.0000 | 0.0000 | 78.277 | 1.33264 | 0.00000 | 789605.1 | 690936.8 | 0.0 | S |
| 51.050 | 0.0000 | 0.0000 | 78.276 | 1.33217 | 0.00000 | 789605.1 | 690976.8 | 0.0 | S |
| 51.058 | 0.0000 | 0.0000 | 78.275 | 1.33171 | 0.00000 | 789605.1 | 691016.7 | 0.0 | S |
| 51.067 | 0.0000 | 0.0000 | 78.274 | 1.33125 | 0.00000 | 789605.1 | 691056.6 | 0.0 | S |
| 51.075 | 0.0000 | 0.0000 | 78.273 | 1.33079 | 0.00000 | 789605.1 | 691096.6 | 0.0 | S |
| 51.083 | 0.0000 | 0.0000 | 78.272 | 1.33032 | 0.00000 | 789605.1 | 691136.5 | 0.0 | S |
| 51.092 | 0.0000 | 0.0000 | 78.271 | 1.32986 | 0.00000 | 789605.1 | 691176.4 | 0.0 | S |
| 51.100 | 0.0000 | 0.0000 | 78.270 | 1.32940 | 0.00000 | 789605.1 | 691216.3 | 0.0 | S |
| 51.108 | 0.0000 | 0.0000 | 78.269 | 1.32894 | 0.00000 | 789605.1 | 691256.2 | 0.0 | S |
| 51.117 | 0.0000 | 0.0000 | 78.268 | 1.32848 | 0.00000 | 789605.1 | 691296.0 | 0.0 | S |
| 51.125 | 0.0000 | 0.0000 | 78.267 | 1.32802 | 0.00000 | 789605.1 | 691335.9 | 0.0 | S |
| 51.133 | 0.0000 | 0.0000 | 78.265 | 1.32755 | 0.00000 | 789605.1 | 691375.7 | 0.0 | S |
| 51.142 | 0.0000 | 0.0000 | 78.264 | 1.32709 | 0.00000 | 789605.1 | 691415.6 | 0.0 | S |
| 51.150 | 0.0000 | 0.0000 | 78.263 | 1.32663 | 0.00000 | 789605.1 | 691455.3 | 0.0 | S |
| 51.158 | 0.0000 | 0.0000 | 78.262 | 1.32617 | 0.00000 | 789605.1 | 691495.1 | 0.0 | S |
| 51.167 | 0.0000 | 0.0000 | 78.261 | 1.32571 | 0.00000 | 789605.1 | 691534.9 | 0.0 | S |
| 51.175 | 0.0000 | 0.0000 | 78.260 | 1.32525 | 0.00000 | 789605.1 | 691574.7 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 5100 yr/24 hr

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3 / 3} \mathrm{~s}$ ) | Cumulative inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 51.183 | 0.0000 | 0.0000 | 78.259 | 1.32479 | 0.00000 | 789605.1 | 691614.4 | 0.0 | S |
| 51.192 | 0.0000 | 0.0000 | 78.258 | 1.32433 | 0.00000 | 789605.1 | 691654.2 | 0.0 | S |
| 51.200 | 0.0000 | 0.0000 | 78.257 | 1.32388 | 0.00000 | 789605.1 | 691693.9 | 0.0 | S |
| 51.208 | 0.0000 | 0.0000 | 78.256 | 1.32342 | 0.00000 | 789605.1 | 691733.6 | 0.0 | S |
| 51.217 | 0.0000 | 0.0000 | 78.255 | 1.32296 | 0.00000 | 789605.1 | 691773.3 | 0.0 | S |
| 51.225 | 0.0000 | 0.0000 | 78.254 | 1.32250 | 0.00000 | 789605.1 | 691813.0 | 0.0 | S |
| 51.233 | 0.0000 | 0.0000 | 78.253 | 1.32204 | 0.00000 | 789605.1 | 691852.6 | 0.0 | S |
| 51.242 | 0.0000 | 0.0000 | 78.252 | 1.32158 | 0.00000 | 789605.1 | 691892.3 | 0.0 | S |
| 51.250 | 0.0000 | 0.0000 | 78.251 | 1.32113 | 0.00000 | 789605.1 | 691931.9 | 0.0 | S |
| 51.258 | 0.0000 | 0.0000 | 78.250 | 1.32067 | 0.00000 | 789605.1 | 691971.6 | 0.0 | S |
| 51.267 | 0.0000 | 0.0000 | 78.248 | 1.32021 | 0.00000 | 789605.1 | 692011.2 | 0.0 | S |
| 51.275 | 0.0000 | 0.0000 | 78.247 | 1.31976 | 0.00000 | 789605.1 | 692050.8 | 0.0 | S |
| 51.283 | 0.0000 | 0.0000 | 78.246 | 1.31930 | 0.00000 | 789605.1 | 692090.4 | 0.0 | S |
| 51.292 | 0.0000 | 0.0000 | 78.245 | 1.31884 | 0.00000 | 789605.1 | 692129.9 | 0.0 | S |
| 51.300 | 0.0000 | 0.0000 | 78.244 | 1.31839 | 0.00000 | 789605.1 | 692169.5 | 0.0 | S |
| 51.308 | 0.0000 | 0.0000 | 78.243 | 1.31793 | 0.00000 | 789605.1 | 692209.1 | 0.0 | S |
| 51.317 | 0.0000 | 0.0000 | 78.242 | 1.31748 | 0.00000 | 789605.1 | 692248.6 | 0.0 | S |
| 51.325 | 0.0000 | 0.0000 | 78.241 | 1.31702 | 0.00000 | 789605.1 | 692288.1 | 0.0 | S |
| 51.333 | 0.0000 | 0.0000 | 78.240 | 1.31657 | 0.00000 | 789605.1 | 692327.6 | 0.0 | S |
| 51.342 | 0.0000 | 0.0000 | 78.239 | 1.31611 | 0.00000 | 789605.1 | 692367.1 | 0.0 | S |
| 51.350 | 0.0000 | 0.0000 | 78.238 | 1.31566 | 0.00000 | 789605.1 | 692406.6 | 0.0 | S |
| 51.358 | 0.0000 | 0.0000 | 78.237 | 1.31520 | 0.00000 | 789605.1 | 692446.0 | 0.0 | S |
| 51.367 | 0.0000 | 0.0000 | 78.236 | 1.31475 | 0.00000 | 789605.1 | 692485.4 | 0.0 | S |
| 51.375 | 0.0000 | 0.0000 | 78.235 | 1.31430 | 0.00000 | 789605.1 | 692524.9 | 0.0 | S |
| 51.383 | 0.0000 | 0.0000 | 78.234 | 1.31384 | 0.00000 | 789605.1 | 692564.3 | 0.0 | S |
| 51.392 | 0.0000 | 0.0000 | 78.233 | 1.31339 | 0.00000 | 789605.1 | 692603.8 | 0.0 | S |
| 51.400 | 0.0000 | 0.0000 | 78.231 | 1.31294 | 0.00000 | 789605.1 | 692643.1 | 0.0 | S |
| 51.408 | 0.0000 | 0.0000 | 78.230 | 1.31249 | 0.00000 | 789605.1 | 692682.5 | 0.0 | S |
| 51.417 | 0.0000 | 0.0000 | 78.229 | 1.31203 | 0.00000 | 789605.1 | 692721.9 | 0.0 | S |
| 51.425 | 0.0000 | 0.0000 | 78.228 | 1.31158 | 0.00000 | 789605.1 | 692761.3 | 0.0 | S |
| 51.433 | 0.0000 | 0.0000 | 78.227 | 1.31113 | 0.00000 | 789605.1 | 692800.6 | 0.0 | S |
| 51.442 | 0.0000 | 0.0000 | 78.226 | 1.31068 | 0.00000 | 789605.1 | 692839.9 | 0.0 | S |
| 51.450 | 0.0000 | 0.0000 | 78.225 | 1.31022 | 0.00000 | 789605.1 | 692879.2 | 0.0 | S |
| 51.458 | 0.0000 | 0.0000 | 78.224 | 1.30977 | 0.00000 | 789605.1 | 692918.5 | 0.0 | S |
| 51.467 | 0.0000 | 0.0000 | 78.223 | 1.30932 | 0.00000 | 789605.1 | 692957.8 | 0.0 | S |
| 51.475 | 0.0000 | 0.0000 | 78.222 | 1.30887 | 0.00000 | 789605.1 | 692997.1 | 0.0 | S |
| 51.483 | 0.0000 | 0.0000 | 78.221 | 1.30842 | 0.00000 | 789605.1 | 693036.3 | 0.0 | S |
| 51.492 | 0.0000 | 0.0000 | 78.220 | 1.30797 | 0.00000 | 789605.1 | 693075.6 | 0.0 | S |
| 51.500 | 0.0000 | 0.0000 | 78.219 | 1.30752 | 0.00000 | 789605.1 | 693114.8 | 0.0 | S |
| 51.508 | 0.0000 | 0.0000 | 78.218 | 1.30707 | 0.00000 | 789605.1 | 693154.0 | 0.0 | S |
| 51.517 | 0.0000 | 0.0000 | 78.217 | 1.30662 | 0.00000 | 789605.1 | 693193.3 | 0.0 | S |
| 51.525 | 0.0000 | 0.0000 | 78.216 | 1.30618 | 0.00000 | 789605.1 | 693232.4 | 0.0 | S |
| 51.533 | 0.0000 | 0.0000 | 78.215 | 1.30573 | 0.00000 | 789605.1 | 693271.6 | 0.0 | S |
| 51.542 | 0.0000 | 0.0000 | 78.213 | 1.30528 | 0.00000 | 789605.1 | 693310.8 | 0.0 | S |
| 51.550 | 0.0000 | 0.0000 | 78.212 | 1.30483 | 0.00000 | 789605.1 | 693349.9 | 0.0 | S |
| 51.558 | 0.0000 | 0.0000 | 78.211 | 1.30438 | 0.00000 | 789605.1 | 693389.1 | 0.0 | S |
| 51.567 | 0.0000 | 0.0000 | 78.210 | 1.30393 | 0.00000 | 789605.1 | 693428.2 | 0.0 | S |
| 51.575 | 0.0000 | 0.0000 | 78.209 | 1.30349 | 0.00000 | 789605.1 | 693467.3 | 0.0 | S |
| 51.583 | 0.0000 | 0.0000 | 78.208 | 1.30304 | 0.00000 | 789605.1 | 693506.4 | 0.0 | S |
| 51.592 | 0.0000 | 0.0000 | 78.207 | 1.30259 | 0.00000 | 789605.1 | 693545.5 | 0.0 | S |
| 51.600 | 0.0000 | 0.0000 | 78.206 | 1.30214 | 0.00000 | 789605.1 | 693584.6 | 0.0 | S |
| 51.608 | 0.0000 | 0.0000 | 78.205 | 1.30170 | 0.00000 | 789605.1 | 693623.6 | 0.0 | S |
| 51.617 | 0.0000 | 0.0000 | 78.204 | 1.30125 | 0.00000 | 789605.1 | 693662.6 | 0.0 | S |
| 51.625 | 0.0000 | 0.0000 | 78.203 | 1.30080 | 0.00000 | 789605.1 | 693701.7 | 0.0 | S |
| 51.633 | 0.0000 | 0.0000 | 78.202 | 1.30036 | 0.00000 | 789605.1 | 693740.7 | 0.0 | S |
| 51.642 | 0.0000 | 0.0000 | 78.201 | 1.29991 | 0.00000 | 789605.1 | 693779.7 | 0.0 | S |
| 51.650 | 0.0000 | 0.0000 | 78.200 | 1.29947 | 0.00000 | 789605.1 | 693818.7 | 0.0 | S |
| 51.658 | 0.0000 | 0.0000 | 78.199 | 1.29902 | 0.00000 | 789605.1 | 693857.7 | 0.0 | S |
| 51.667 | 0.0000 | 0.0000 | 78.198 | 1.29858 | 0.00000 | 789605.1 | 693896.6 | 0.0 | S |
| 51.675 | 0.0000 | 0.0000 | 78.197 | 1.29813 | 0.00000 | 789605.1 | 693935.6 | 0.0 | S |
| 51.683 | 0.0000 | 0.0000 | 78.196 | 1.29769 | 0.00000 | 789605.1 | 693974.5 | 0.0 | S |
| 51.692 | 0.0000 | 0.0000 | 78.194 | 1.29724 | 0.00000 | 789605.1 | 694013.4 | 0.0 | S |
| 51.700 | 0.0000 | 0.0000 | 78.193 | 1.29680 | 0.00000 | 789605.1 | 694052.4 | 0.0 | S |
| 51.708 | 0.0000 | 0.0000 | 78.192 | 1.29636 | 0.00000 | 789605.1 | 694091.3 | 0.0 | S |
| 51.717 | 0.0000 | 0.0000 | 78.191 | 1.29591 | 0.00000 | 789605.1 | 694130.1 | 0.0 | S |
| 51.725 | 0.0000 | 0.0000 | 78.190 | 1.29547 | 0.00000 | 789605.1 | 694169.0 | 0.0 | S |
| 51.733 | 0.0000 | 0.0000 | 78.189 | 1.29503 | 0.00000 | 789605.1 | 694207.9 | 0.0 | S |
| 51.742 | 0.0000 | 0.0000 | 78.188 | 1.29458 | 0.00000 | 789605.1 | 694246.7 | 0.0 | S |
| 51.750 | 0.0000 | 0.0000 | 78.187 | 1.29414 | 0.00000 | 789605.1 | 694285.6 | 0.0 | S |
| 51.758 | 0.0000 | 0.0000 | 78.186 | 1.29370 | 0.00000 | 789605.1 | 694324.4 | 0.0 | S |
| 51.767 | 0.0000 | 0.0000 | 78.185 | 1.29325 | 0.00000 | 789605.1 | 694363.2 | 0.0 | S |
| 51.775 | 0.0000 | 0.0000 | 78.184 | 1.29281 | 0.00000 | 789605.1 | 694401.9 | 0.0 | S |
| 51.783 | 0.0000 | 0.0000 | 78.183 | 1.29237 | 0.00000 | 789605.1 | 694440.8 | 0.0 | S |
| 57.792 | 0.0000 | 0.0000 | 78.182 | 1.29193 | 0.00000 | 789605.1 | 694479.5 | 0.0 | S |

# PONDS Version 3.2.0207 

Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
$\because$ Scenario 1 :: Pond 5100 yr/24 hr

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Outside Recharge (fUday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ff}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 51.800 | 0.0000 | 0.0000 | 78.181 | 1.29149 | 0.00000 | 789605.1 | 694518.3 | 0.0 | S |
| 51.808 | 0.0000 | 0.0000 | 78.180 | 1.29105 | 0.00000 | 789605.1 | 694557.0 | 0.0 | S |
| 51.817 | 0.0000 | 0.0000 | 78.179 | 1.29061 | 0.00000 | 789605.1 | 694595.7 | 0.0 | S |
| 51.825 | 0.0000 | 0.0000 | 78.178 | 1.29017 | 0.00000 | 789605.1 | 694634.4 | 0.0 | S |
| 51.833 | 0.0000 | 0.0000 | 78.177 | 1.28972 | 0.00000 | 789605.1 | 694673.1 | 0.0 | S |
| 51.842 | 0.0000 | 0.0000 | 78.175 | 1.28929 | 0.00000 | 789605.1 | 694711.8 | 0.0 | S |
| 51.850 | 0.0000 | 0.0000 | 78.174 | 1.28885 | 0.00000 | 789605.1 | 694750.5 | 0.0 | S |
| 51.858 | 0.0000 | 0.0000 | 78.173 | 1.28847 | 0.00000 | 789605.1 | 694789.1 | 0.0 | S |
| 51.867 | 0.0000 | 0.0000 | 78.172 | 1.28797 | 0.00000 | 789605.1 | 694827.8 | 0.0 | S |
| 51.875 | 0.0000 | 0.0000 | 78.171 | 1.28753 | 0.00000 | 789605.1 | 694866.4 | 0.0 | S |
| 51.883 | 0.0000 | 0.0000 | 78.170 | 1.28709 | 0.00000 | 789605.1 | 694905.0 | 0.0 | S |
| 51.892 | 0.0000 | 0.0000 | 78.169 | 1.28665 | 0.00000 | 789605.1 | 694943.6 | 0.0 | S |
| 51.900 | 0.0000 | 0.0000 | 78.168 | 1.28621 | 0.00000 | 789605.1 | 694982.3 | 0.0 | S |
| 51.908 | 0.0000 | 0.0000 | 78.167 | 1.28577 | 0.00000 | 789605.1 | 695020.8 | 0.0 | S |
| 51.917 | 0.0000 | 0.0000 | 78.166 | 1.28534 | 0.00000 | 789605.1 | 695059.4 | 0.0 | S |
| 51.925 | 0.0000 | 0.0000 | 78.165 | 1.28490 | 0.00000 | 789605.1 | 695097.9 | 0.0 | S |
| 51.933 | 0.0000 | 0.0000 | 78.164 | 1.28446 | 0.00000 | 789605.1 | 695136.5 | 0.0 | S |
| 51.942 | 0.0000 | 0.0000 | 78.163 | 1.28402 | 0.00000 | 789605.1 | 695175.0 | 0.0 | S |
| 51.950 | 0.0000 | 0.0000 | 78.162 | 1.28359 | 0.00000 | 789605.1 | 695213.5 | 0.0 | S |
| 51.958 | 0.0000 | 0.0000 | 78.161 | 1.28315 | 0.00000 | 789605.1 | 695252.0 | 0.0 | S |
| 51.967 | 0.0000 | 0.0000 | 78.160 | 1.28272 | 0.00000 | 789605.1 | 695290.5 | 0.0 | S |
| 51.975 | 0.0000 | 0.0000 | 78.159 | 1.28228 | 0.00000 | 789605.1 | 695329.0 | 0.0 | S |
| 51.983 | 0.0000 | 0.0000 | 78.158 | 1.28184 | 0.00000 | 789605.1 | 695367.4 | 0.0 | S |
| 51.992 | 0.0000 | 0.0000 | 78.157 | 1.28141 | 0.00000 | 789605.1 | 695405.9 | 0.0 | S |
| 52.000 | 0.0000 | 0.0000 | 78.156 | 1.28097 | 0.00000 | 789605.1 | 695444.3 | 0.0 | S |
| 52.008 | 0.0000 | 0.0000 | 78.154 | 1.28054 | 0.00000 | 789605.1 | 695482.8 | 0.0 | S |
| 52.017 | 0.0000 | 0.0000 | 78.153 | 1.28010 | 0.00000 | 789605.1 | 695521.1 | 0.0 | S |
| 52.025 | 0.0000 | 0.0000 | 78.152 | 1.27967 | 0.00000 | 789605.1 | 695559.6 | 0.0 | S |
| 52.033 | 0.0000 | 0.0000 | 78.151 | 1.27923 | 0.00000 | 789605.1 | 695597.9 | 0.0 | S |
| 52.042 | 0.0000 | 0.0000 | 78.150 | 1.27880 | 0.00000 | 789605.1 | 695636.3 | 0.0 | S |
| 52.050 | 0.0000 | 0.0000 | 78.149 | 1.27836 | 0.00000 | 789605.1 | 695674.7 | 0.0 | S |
| 52.058 | 0.0000 | 0.0000 | 78.148 | 1.27793 | 0.00000 | 789605.1 | 695713.0 | 0.0 | S |
| 52.067 | 0.0000 | 0.0000 | 78.147 | 1.27750 | 0.00000 | 789605.1 | 695751.3 | 0.0 | S |
| 52.075 | 0.0000 | 0.0000 | 78.146 | 1.27706 | 0.00000 | 789605.1 | 695789.6 | 0.0 | S |
| 52.083 | 0.0000 | 0.0000 | 78.145 | 1.27663 | 0.00000 | 789605.1 | 695827.9 | 0.0 | S |
| 52.092 | 0.0000 | 0.0000 | 78.144 | 1.27619 | 0.00000 | 789605.1 | 695866.3 | 0.0 | S |
| 52.100 | 0.0000 | 0.0000 | 78.143 | 1.27576 | 0.00000 | 789605.1 | 695904.6 | 0.0 | S |
| 52.108 | 0.0000 | 0.0000 | 78.142 | 1.27533 | 0.00000 | 789605.1 | 695942.8 | 0.0 | S |
| 52.117 | 0.0000 | 0.0000 | 78.141 | 1.27490 | 0.00000 | 789605.1 | 695981.1 | 0.0 | S |
| 52.125 | 0.0000 | 0.0000 | 78.140 | 1.27447 | 0.00000 | 789605.1 | 696019.3 | 0.0 | S |
| 52.133 | 0.0000 | 0.0000 | 78.139 | 1.27403 | 0.00000 | 789605.1 | 696057.5 | 0.0 | S |
| 52.142 | 0.0000 | 0.0000 | 78.138 | 1.27360 | 0.00000 | 789605.1 | 696095.8 | 0.0 | S |
| 52.150 | 0.0000 | 0.0000 | 78.137 | 1.27317 | 0.00000 | 789605.1 | 696133.9 | 0.0 | S |
| 52.158 | 0.0000 | 0.0000 | 78.136 | 1.27274 | 0.00000 | 789605.1 | 696172.1 | 0.0 | S |
| 52.167 | 0.0000 | 0.0000 | 78.135 | 1.27231 | 0.00000 | 789605.1 | 696210.3 | 0.0 | S |
| 52.175 | 0.0000 | 0.0000 | 78.134 | 1.27188 | 0.00000 | 789605.1 | 696248.4 | 0.0 | S |
| 52.183 | 0.0000 | 0.0000 | 78.132 | 1.27145 | 0.00000 | 789605.1 | 696286.6 | 0.0 | S |
| 52.192 | 0.0000 | 0.0000 | 78.131 | 1.27102 | 0.00000 | 789605.1 | 696324.8 | 0.0 | S |
| 52.200 | 0.0000 | 0.0000 | 78.130 | 1.27059 | 0.00000 | 789605.1 | 696362.9 | 0.0 | S |
| 52.208 | 0.0000 | 0.0000 | 78.129 | 1.27016 | 0.00000 | 789605.1 | 696401.0 | 0.0 | S |
| 52.217 | 0.0000 | 0.0000 | 78.128 | 1.26973 | 0.00000 | 789605.1 | 696439.1 | 0.0 | S |
| 52.225 | 0.0000 | 0.0000 | 78.127 | 1.26930 | 0.00000 | 789605.1 | 696477.2 | 0.0 | S |
| 52.233 | 0.0000 | 0.0000 | 78.126 | 1.26887 | 0.00000 | 789605.1 | 696515.3 | 0.0 | S |
| 52.242 | 0.0000 | 0.0000 | 78.125 | 1.26844 | 0.00000 | 789605.1 | 696553.3 | 0.0 | S |
| 52.250 | 0.0000 | 0.0000 | 78.124 | 1.26801 | 0.00000 | 789605.1 | 696591.4 | 0.0 | S |
| 52.258 | 0.0000 | 0.0000 | 78.123 | 1.26758 | 0.00000 | 789605.1 | 696629.4 | 0.0 | S |
| 52.267 | 0.0000 | 0.0000 | 78.122 | 1.26716 | 0.00000 | 789605.1 | 696667.4 | 0.0 | S |
| 52.275 | 0.0000 | 0.0000 | 78.121 | 1.26673 | 0.00000 | 789605.1 | 696705.4 | 0.0 | S |
| 52.283 | 0.0000 | 0.0000 | 78.120 | 1.26630 | 0.00000 | 789605.1 | 696743.4 | 0.0 | S |
| 52.292 | 0.0000 | 0.0000 | 78.119 | 1.26587 | 0.00000 | 789605.1 | 696781.4 | 0.0 | S |
| 52.300 | 0.0000 | 0.0000 | 78.118 | 1.26544 | 0.00000 | 789605.1 | 696819.4 | 0.0 | S |
| 52.308 | 0.0000 | 0.0000 | 78.117 | 1.26502 | 0.00000 | 789605.1 | 696857.3 | 0.0 | S |
| 52.317 | 0.0000 | 0.0000 | 78.116 | 1.26459 | 0.00000 | 789605.1 | 696895.3 | 0.0 | S |
| 52.325 | 0.0000 | 0.0000 | 78.115 | 1.26416 | 0.00000 | 789605.1 | 696933.2 | 0.0 | S |
| 52.333 | 0.0000 | 0.0000 | 78.114 | 1.26374 | 0.00000 | 789605.1 | 696971.1 | 0.0 | S |
| 52.342 | 0.0000 | 0.0000 | 78.113 | 1.26331 | 0.00000 | 789605.1 | 697009.0 | 0.0 | S |
| 52.350 | 0.0000 | 0.0000 | 78.112 | 1.26288 | 0.00000 | 789605.1 | 697046.9 | 0.0 | S |
| 52.358 | 0.0000 | 0.0000 | 78.111 | 1.26246 | 0.00000 | 789605.1 | 697084.8 | 0.0 | S |
| 52.367 | 0.0000 | 0.0000 | 78.109 | 1.26203 | 0.00000 | 789605.1 | 697122.6 | 0.0 | S |
| 52.375 | 0.0000 | 0.0000 | 78.108 | 1.26161 | 0.00000 | 789605.1 | 697160.5 | 0.0 | S |
| 52.383 | 0.0000 | 0.0000 | 78.107 | 1.26118 | 0.00000 | 789605.1 | 697198.4 | 0.0 | S |
| 52.392 | 0.0000 | 0.0000 | 78.106 | 1.26076 | 0.00000 | 789605.1 | 697236.2 | 0.0 | S |
| 52.400 | 0.0000 | 0.0000 | 78.105 | 1.26033 | 0.00000 | 789605.1 | 697274.0 | 0.0 | S |
| 52.408 | 0.0000 | 0.0000 | 78.104 | 1.25991 | 0.00000 | 789605.1 | 697311.8 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Infiow Rate ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation ( 1 datum) | Infiltration Rate ( $\mathrm{t}^{3 / 5}$ ) | Overflow <br> Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative <br> Discharge <br> Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 52.417 | 0.0000 | 0.0000 | 78.103 | 1.25948 | 0.00000 | 789605.1 | 697349.6 | 0.0 | S |
| 52.425 | 0.0000 | 0.0000 | 78.102 | 1.25906 | 0.00000 | 789605.1 | 697387.4 | 0.0 | S |
| 52.433 | 0.0000 | 0.0000 | 78.101 | 1.25864 | 0.00000 | 789605.1 | 697425.1 | 0.0 | S |
| 52.442 | 0.0000 | 0.0000 | 78.100 | 1.25821 | 0.00000 | 789605.1 | 697462.9 | 0.0 | S |
| 52.450 | 0.0000 | 0.0000 | 78.099 | 1.25779 | 0,00000 | 789605.1 | 697500.6 | 0.0 | S |
| 52.458 | 0.0000 | 0.0000 | 78.098 | 1.25737 | 0.00000 | 789605.1 | 697538.4 | 0.0 | S |
| 52.467 | 0.0000 | 0.0000 | 78.097 | 1.25694 | 0.00000 | 789605.1 | 697576.1 | 0.0 | S |
| 52.475 | 0.0000 | 0.0000 | 78.096 | 1.25652 | 0.00000 | 789605.1 | 697613.8 | 0.0 | S |
| 52.483 | 0.0000 | 0.0000 | 78.095 | 1.25610 | 0.00000 | 789605.1 | 697651.4 | 0.0 | S |
| 52.492 | 0.0000 | 0.0000 | 78.094 | 1.25567 | 0.00000 | 789605.1 | 697689.1 | 0.0 | S |
| 52.500 | 0.0000 | 0.0000 | 78.093 | 1.25525 | 0.00000 | 789605.1 | 697726.8 | 0.0 | S |
| 52.508 | 0.0000 | 0.0000 | 78.092 | 1.25483 | 0.00000 | 789605.1 | 697764.4 | 0.0 | S |
| 52.517 | 0.0000 | 0.0000 | 78.091 | 1.25441 | 0.00000 | 789605.1 | 697802.1 | 0.0 | S |
| 52.525 | 0.0000 | 0.0000 | 78.090 | 1.25399 | 0.00000 | 789605.1 | 697839.7 | 0.0 | S |
| 52.533 | 0.0000 | 0.0000 | 78.089 | 1.25357 | 0.00000 | 789605.1 | 697877.3 | 0.0 | S |
| 52.542 | 0.0000 | 0.0000 | 78.088 | 1.25315 | 0.00000 | 789605.1 | 697914.9 | 0.0 | S |
| 52.550 | 0.0000 | 0.0000 | 78.087 | 1.25273 | 0.00000 | 789605.1 | 697952.5 | 0.0 | S |
| 52.558 | 0.0000 | 0.0000 | 78.085 | 1.25231 | 0.00000 | 789605.1 | 697990.1 | 0.0 | S |
| 52.567 | 0.0000 | 0.0000 | 78.084 | 1.25189 | 0.00000 | 789605.1 | 698027.7 | 0.0 | S |
| 52.575 | 0.0000 | 0.0000 | 78.083 | 1.25146 | 0.00000 | 789605.1 | 698065.2 | 0.0 | S |
| 52.583 | 0.0000 | 0.0000 | 78.082 | 1.25105 | 0.00000 | 789605.1 | 698102.8 | 0.0 | S |
| 52.592 | 0.0000 | 0.0000 | 78.081 | 1.25063 | 0.00000 | 789605.1 | 698140.3 | 0.0 | S |
| 52.600 | 0.0000 | 0.0000 | 78.080 | 1.25021 | 0.00000 | 789605.1 | 698177.8 | 0.0 | S |
| 52.608 | 0.0000 | 0.0000 | 78.079 | 1.24979 | 0.00000 | 789605.1 | 698215.3 | 0.0 | S |
| 52.617 | 0.0000 | 0.0000 | 78.078 | 1.24937 | 0.00000 | 789605.1 | 698252.8 | 0.0 | S |
| 52.625 | 0.0000 | 0.0000 | 78.077 | 1.24895 | 0.00000 | 789605.1 | 698290.3 | 0.0 | S |
| 52.633 | 0.0000 | 0.0000 | 78.076 | 1.24853 | 0.00000 | 789605.1 | 698327.7 | 0.0 | S |
| 52.642 | 0.0000 | 0.0000 | 78.075 | 1.24811 | 0.00000 | 789605.1 | 698365.2 | 0.0 | S |
| 52.650 | 0.0000 | 0.0000 | 78.074 | 1.24769 | 0.00000 | 789605.1 | 698402.6 | 0.0 | S |
| 52.658 | 0.0000 | 0.0000 | 78.073 | 1.24728 | 0.00000 | 789605.1 | 698440.0 | 0.0 | S |
| 52.667 | 0.0000 | 0.0000 | 78.072 | 1.24686 | 0.00000 | 789605.1 | 698477.4 | 0.0 | S |
| 52.675 | 0.0000 | 0.0000 | 78.071 | 1.24644 | 0.00000 | 789605.1 | 698514.8 | 0.0 | S |
| 52.683 | 0.0000 | 0.0000 | 78.070 | 1.24602 | 0.00000 | 789605.1 | 698552.2 | 0.0 | S |
| 52.692 | 0.0000 | 0.0000 | 78.069 | 1.24561 | 0.00000 | 789605.1 | 698589.6 | 0.0 | S |
| 52.700 | 0.0000 | 0.0000 | 78.068 | 1.24519 | 0.00000 | 789605.1 | 698626.9 | 0.0 | S |
| 52.708 | 0.0000 | 0.0000 | 78.067 | 1.24477 | 0.00000 | 789605.1 | 698664.3 | 0.0 | S |
| 52.717 | 0.0000 | 0.0000 | 78.066 | 1.24436 | 0.00000 | 789605.1 | 698701.6 | 0.0 | S |
| 52.725 | 0.0000 | 0.0000 | 78.065 | 1.24394 | 0.00000 | 789605.1 | 698738.9 | 0.0 | S |
| 52.733 | 0.0000 | 0.0000 | 78.064 | 1.24352 | 0.00000 | 789605.1 | 698776.3 | 0.0 | S |
| 52.742 | 0.0000 | 0.0000 | 78.063 | 1.24311 | 0.00000 | 789605.1 | 698813.6 | 0.0 | S |
| 52.750 | 0.0000 | 0.0000 | 78.062 | 1.24269 | 0.00000 | 789605.1 | 698850.9 | 0.0 | S |
| 52.758 | 0.0000 | 0.0000 | 78.061 | 1.24228 | 0.00000 | 789605.1 | 698888.1 | 0.0 | S |
| 52.767 | 0.0000 | 0.0000 | 78.060 | 1.24186 | 0.00000 | 789605.1 | 698925.4 | 0.0 | S |
| 52.775 | 0.0000 | 0.0000 | 78.058 | 1.24145 | 0.00000 | 789605.1 | 698962.6 | 0.0 | S |
| 52.783 | 0.0000 | 0.0000 | 78.057 | $\uparrow .24103$ | 0.00000 | 789605.1 | 698999.9 | 0.0 | S |
| 52.792 | 0.0000 | 0.0000 | 78.056 | 1.24062 | 0.00000 | 789605.1 | 699037.1 | 0.0 | S |
| 52.800 | 0.0000 | 0.0000 | 78.055 | 1.24020 | 0.00000 | 789605.1 | 699074.3 | 0.0 | S |
| 52.808 | 0.0000 | 0.0000 | 78.054 | 1.23979 | 0.00000 | 789605.1 | 699111.5 | 0.0 | S |
| 52.817 | 0.0000 | 0.0000 | 78.053 | 1.23938 | 0.00000 | 789605.1 | 699148.7 | 0.0 | S |
| 52.825 | 0.0000 | 0.0000 | 78.052 | 1.23896 | 0.00000 | 789605.1 | 699185.9 | 0.0 | S |
| 52.833 | 0.0000 | 0.0000 | 78.051 | 1.23855 | 0.00000 | 789605.1 | 699223.1 | 0.0 | S |
| 52.842 | 0.0000 | 0.0000 | 78.050 | 1.23814 | 0.00000 | 789605.1 | 699260.2 | 0.0 | S |
| 52.850 | 0.0000 | 0.0000 | 78.049 | 1.23772 | 0.00000 | 789605.1 | 699297.3 | 0.0 | S |
| 52.858 | 0.0000 | 0.0000 | 78.048 | 1.23731 | 0.00000 | 789605.1 | 699334.4 | 0.0 | S |
| 52.867 | 0.0000 | 0.0000 | 78.047 | 1.23690 | 0.00000 | 789605.1 | 699371.6 | 0.0 | S |
| 52.875 | 0.0000 | 0.0000 | 78.046 | 1.23648 | 0.00000 | 789605.1 | 699408.7 | 0.0 | S |
| 52.883 | 0.0000 | 0.0000 | 78.045 | 1.23607 | 0.00000 | 789605.1 | 699445.8 | 0.0 | S |
| 52.892 | 0.0000 | 0.0000 | 78.044 | 1.23566 | 0.00000 | 789605.1 | 699482.8 | 0.0 | S |
| 52.900 | 0.0000 | 0.0000 | 78.043 | 1. 23525 | 0.00000 | 789605.1 | 699519.9 | 0.0 | S |
| 52.908 | 0.0000 | 0.0000 | 78.042 | 1.23484 | 0.00000 | 789605.1 | 699556.9 | 0.0 | S |
| 52.917 | 0.0000 | 0.0000 | 78.041 | 1.23443 | 0.00000 | 789605.1 | 699594.0 | 0.0 | S |
| 52.925 | 0.0000 | 0.0000 | 78.040 | 1.23401 | 0.00000 | 789605.1 | 699631.0 | 0.0 | S |
| 52.933 | 0.0000 | 0.0000 | 78.039 | 1.23360 | 0.00000 | 789605.1 | 699668.1 | 0.0 | S |
| 52.942 | 0.0000 | 0.0000 | 78.038 | 1.23319 | 0.00000 | 789605.1 | 699705.1 | 0.0 | S |
| 52.950 | 0.0000 | 0.0000 | 78.037 | 1.23278 | 0.00000 | 789605.1 | 699742.0 | 0.0 | S |
| 52.958 | 0.0000 | 0.0000 | 78.036 | 1.23237 | 0.00000 | 789605.1 | 699779.0 | 0.0 | S |
| 52.967 | 0.0000 | 0.0000 | 78.035 | 1.23196 | 0.00000 | 789605.1 | 699816.0 | 0.0 | S |
| 52.975 | 0.0000 | 0.0000 | 78.034 | 1.23155 | 0.00000 | 789605.1 | 699852.9 | 0.0 | S |
| 52.983 | 0.0000 | 0.0000 | 78.033 | 1.23114 | 0.00000 | 789605.1 | 699889.9 | 0.0 | S |
| 52.992 | 0.0000 | 0.0000 | 78.032 | 1.23073 | 0.00000 | 789605.1 | 699926.8 | 0.0 | S |
| 53.000 | 0.0000 | 0.0000 | 78.031 | 1.23032 | 0.00000 | 789605.1 | 699963.7 | 0.0 | S |
| 53.008 | 0.0000 | 0.0000 | 78.030 | 1.22991 | 0.00000 | 789605.1 | 700000.6 | 0.0 | S |
| 53.017 | 0.0000 | 0.0000 | 78.028 | 1.22951 | 0.00000 | 789605.1 | 700037.5 | 0.0 | S |
| 53.025 | 0.0000 | 0.0000 | 78.027 | 1.22910 | 0.00000 | 789605.1 | 700074.4 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 5100 yr / 24 hr

| Elapsed Time (hours) | Inflow Rate (f $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (f/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Vołume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{t}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 53.033 | 0.0000 | 0.0000 | 78.026 | 1.22869 | 0.00000 | 789605.1 | 700111.3 | 0.0 | S |
| 53.042 | 0.0000 | 0.0000 | 78.025 | 1.22828 | 0.00000 | 789605.1 | 700148.1 | 0.0 | S |
| 53.050 | 0.0000 | 0.0000 | 78.024 | 1.22787 | 0.00000 | 789605.1 | 700184.9 | 0.0 | S |
| 53.058 | 0.0000 | 0.0000 | 78.023 | 1.22746 | 0.00000 | 789605.1 | 700221.8 | 0.0 | S |
| 53.067 | 0.0000 | 0.0000 | 78.022 | 1.22706 | 0.00000 | 789605.1 | 700258.6 | 0.0 | S |
| 53.075 | 0.0000 | 0.0000 | 78.021 | 1.22665 | 0.00000 | 789605.1 | 700295.4 | 0.0 | S |
| 53.083 | 0.0000 | 0.0000 | 78.020 | 1.22624 | 0.00000 | 789605.1 | 700332.2 | 0.0 | S |
| 53.092 | 0.0000 | 0.0000 | 78.019 | 1.22583 | 0.00000 | 789605.1 | 700369.0 | 0.0 | S |
| 53.100 | 0.0000 | 0.0000 | 78.018 | 1.22543 | 0.00000 | 789605.1 | 700405.8 | 0.0 | S |
| 53.108 | 0.0000 | 0.0000 | 78.017 | 1.22502 | 0.00000 | 789605.1 | 700442.5 | 0.0 | S |
| 53.117 | 0.0000 | 0.0000 | 78.016 | 1.22461 | 0.00000 | 789605.1 | 700479.3 | 0.0 | S |
| 53.125 | 0.0000 | 0.0000 | 78.015 | 1.22421 | 0.00000 | 789605.1 | 700516.0 | 0.0 | S |
| 53.133 | 0.0000 | 0.0000 | 78.014 | 1.22380 | 0.00000 | 789605.1 | 700552.7 | 0.0 | S |
| 53.142 | 0.0000 | 0.0000 | 78.013 | 1.22340 | 0.00000 | 789605.1 | 700589.4 | 0.0 | S |
| 53.150 | 0.0000 | 0.0000 | 78.012 | 1.22299 | 0.00000 | 789605.1 | 700626.1 | 0.0 | S |
| 53.158 | 0.0000 | 0.0000 | 78.011 | 1.22259 | 0.00000 | 789605.1 | 700662.8 | 0.0 | S |
| 53.167 | 0.0000 | 0.0000 | 78.010 | 1.22218 | 0.00000 | 789605.1 | 700699.4 | 0.0 | S |
| 53.175 | 0.0000 | 0.0000 | 78.009 | 1.22177 | 0.00000 | 789605.1 | 700736.1 | 0.0 | S |
| 53.183 | 0.0000 | 0.0000 | 78.008 | 1.22137 | 0.00000 | 789605.1 | 700772.8 | 0.0 | S |
| 53.192 | 0.0000 | 0.0000 | 78.007 | 1.22097 | 0.00000 | 789605.1 | 700809.4 | 0.0 | S |
| 53.200 | 0.0000 | 0.0000 | 78.006 | 1.22056 | 0.00000 | 789605.$\}$ | 700846.0 | 0.0 | S |
| 53.208 | 0.0000 | 0.0000 | 78.005 | 1.22016 | 0.00000 | 789605.1 | 700882.6 | 0.0 | S |
| 53.217 | 0.0000 | 0.0000 | 78.004 | 1.21975 | 0.00000 | 789605.1 | 700919.3 | 0.0 | S |
| 53.225 | 0.0000 | 0.0000 | 78.003 | 1.21935 | 0.00000 | 789605.1 | 700955.8 | 0.0 | S |
| 53.233 | 0.0000 | 0.0000 | 78.002 | 1.21895 | 0.00000 | 789605.1 | 700992.4 | 0.0 | S |
| 53.242 | 0.0000 | 0.0000 | 78.00\% | 1.21854 | 0.00000 | 789605.1 | 701028.9 | 0.0 | S |
| 53.250 | 0.0000 | 0,0000 | 78.000 | 1.21814 | 0.00000 | 789605.1 | 701065.5 | 0.0 | S |
| 53.258 | 0.0000 | 0.0000 | 77.999 | 1.21774 | 0.00000 | 789605.1 | 701102.1 | 0.0 | S |
| 53.267 | 0.0000 | 0.0000 | 77.998 | 1.21733 | 0.00000 | 789605.1 | 701138.6 | 0.0 | S |
| 53.275 | 0.0000 | 0.0000 | 77.996 | 1.21693 | 0.00000 | 789605.1 | 701175.1 | 0.0 | S |
| 53.283 | 0.0000 | 0.0000 | 77.995 | 1.21653 | 0.00000 | 789605.1 | 701211.6 | 0.0 | S |
| 53.292 | 0.0000 | 0.0000 | 77.994 | 1.21613 | 0.00000 | 789605.1 | 701248.1 | 0.0 | S |
| 53.300 | 0.0000 | 0.0000 | 77.993 | 1.21572 | 0.00000 | 789605.1 | 701284.6 | 0.0 | S |
| 53.308 | 0.0000 | 0.0000 | 77.992 | 1.21532 | 0.00000 | 789605.1 | 701321.0 | 0.0 | S |
| 53.317 | 0.0000 | 0.0000 | 77.991 | 1.21492 | 0.00000 | 789605.1 | 701357.4 | 0.0 | S |
| 53.325 | 0.0000 | 0.0000 | 77.990 | 1.21452 | 0.00000 | 789605.1 | 701393.9 | 0.0 | S |
| 53.333 | 0.0000 | 0.0000 | 77.989 | 1.21412 | 0.00000 | 789605.1 | 701430.3 | 0.0 | S |
| 53.342 | 0.0000 | 0.0000 | 77.988 | 1.21372 | 0.00000 | 789605.1 | 701466.8 | 0.0 | S |
| 53.350 | 0.0000 | 0.0000 | 77.987 | 1.21332 | 0.00000 | 789605.1 | 701503.2 | 0.0 | S |
| 53.358 | 0.0000 | 0.0000 | 77.986 | 1.21291 | 0.00000 | 789605.1 | 701539.6 | 0.0 | S |
| 53.367 | 0.0000 | 0.0000 | 77.985 | 1.21251 | 0.00000 | 789605.1 | 701575.9 | 0.0 | S |
| 53.375 | 0.0000 | 0.0000 | 77.984 | 1.21211 | 0.00000 | 789605.1 | 701612.3 | 0.0 | S |
| 53.383 | 0.0000 | 0.0000 | 77.983 | 1.21171 | 0.00000 | 789605.1 | 701648.7 | 0.0 | S |
| 53.392 | 0.0000 | 0.0000 | 77.982 | 1.21132 | 0.00000 | 789605.1 | 701685.0 | 0.0 | S |
| 53.400 | 0.0000 | 0.0000 | 77.981 | 1.21091 | 0.00000 | 789605.1 | 701721.3 | 0.0 | S |
| 53.408 | 0.0000 | 0.0000 | 77.980 | 1.21051 | 0.00000 | 789605.1 | 701757.7 | 0.0 | S |
| 53.417 | 0.0000 | 0.0000 | 77.979 | 1.21012 | 0.00000 | 789605.1 | 701794.0 | 0.0 | S |
| 53.425 | 0.0000 | 0.0000 | 77.978 | 1.20972 | 0.00000 | 789605.1 | 701830.3 | 0.0 | S |
| 53.433 | 0.0000 | 0.0000 | 77.977 | 1.20932 | 0.00000 | 789605.1 | 701866.6 | 0.0 | S |
| 53.442 | 0.0000 | 0.0000 | 77.976 | 1.20892 | 0.00000 | 789605.1 | 701902.8 | 0.0 | S |
| 53.450 | 0.0000 | 0.0000 | 77.975 | 1.20852 | 0.00000 | 789605.1 | 701939.1 | 0.0 | S |
| 53.458 | 0.0000 | 0.0000 | 77.974 | 1.20812 | 0.00000 | 789605.1 | 701975.3 | 0.0 | S |
| 53.467 | 0.0000 | 0.0000 | 77.973 | 1.20773 | 0.00000 | 789605.1 | 702011.6 | 0.0 | S |
| 53.475 | 0.0000 | 0.0000 | 77.972 | 1.20733 | 0.00000 | 789605.1 | 702047.8 | 0.0 | S |
| 53.483 | 0.0000 | 0.0000 | 77.971 | 1.20693 | 0.00000 | 789605.1 | 702084.0 | 0.0 | S |
| 53.492 | 0.0000 | 0.0000 | 77.970 | 1.20653 | 0.00000 | 789605.1 | 702120.3 | 0.0 | S |
| 53.500 | 0.0000 | 0.0000 | 77.969 | $\uparrow .20614$ | 0.00000 | 789605.1 | 702156.4 | 0.0 | S |
| 53.508 | 0.0000 | 0.0000 | 77.968 | 1.20574 | 0.00000 | 789605.1 | 702192.6 | 0.0 | S |
| 53.517 | 0.0000 | 0.0000 | 77.967 | 1.20534 | 0.00000 | 789605.1 | 702228.8 | 0.0 | S |
| 53.525 | 0.0000 | 0.0000 | 77.966 | 1.20495 | 0.00000 | 789605.1 | 702264.9 | 0.0 | S |
| 53.533 | 0.0000 | 0.0000 | 77.965 | 1.20455 | 0.00000 | 789605.1 | 702301.1 | 0.0 | S |
| 53.542 | 0.0000 | 0.0000 | 77.964 | 1.20415 | 0.00000 | 789605.1 | 702337.2 | 0.0 | S |
| 53.550 | 0.0000 | 0.0000 | 77.963 | 1.20376 | 0.00000 | 789605.1 | 702373.3 | 0.0 | S |
| 53.558 | 0.0000 | 0.0000 | 77.962 | 1.20336 | 0.00000 | 789605.1 | 702409.4 | 0.0 | S |
| 53.567 | 0.0000 | 0.0000 | 77.961 | 1.20297 | 0.00000 | 789605.1 | 702445.5 | 0.0 | S |
| 53.575 | 0.0000 | 0.0000 | 77.960 | 1.20257 | 0.00000 | 789605.1 | 702481.6 | 0.0 | S |
| 53.583 | 0.0000 | 0.0000 | 77.958 | 1.20218 | 0.00000 | 789605.1 | 702517.6 | 0.0 | S |
| 53.592 | 0.0000 | 0.0000 | 77.957 | 1.20178 | 0.00000 | 789605.1 | 702553.7 | 0.0 | S |
| 53.600 | 0.0000 | 0.0000 | 77.956 | 1.20138 | 0.00000 | 789605.1 | 702589.8 | 0.0 | S |
| 53.608 | 0.0000 | 0.0000 | 77.955 | 1.20099 | 0.00000 | 789605.1 | 702625.8 | 0.0 | S |
| 53.617 | 0.0000 | 0.0000 | 77.954 | 1.20059 | 0.00000 | 789605.1 | 702661.8 | 0.0 | S |
| 53.625 | 0.0000 | 0.0000 | 77.953 | 1.20020 | 0.00000 | 789605.1 | 702697.8 | 0.0 | S |
| 53.633 | 0.0000 | 0.0000 | 77.952 | 1.19981 | 0.00000 | 789605.1 | 702733.8 | 0.0 | S |
| 53.642 | 0.0000 | 0.0000 | 77.951 | 1.19941 | 0.00000 | 789605.1 | 702769.8 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 5100 yr/24 hr

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative <br> Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 53.650 | 0.0000 | 0.0000 | 77.950 | 1.19902 | 0.00000 | 789605.1 | 702805.8 | 0.0 | S |
| 53.658 | 0.0000 | 0.0000 | 77.949 | 1.19863 | 0.00000 | 789605.1 | 702841.8 | 0.0 | S |
| 53.667 | 0.0000 | 0.0000 | 77.948 | 1.19823 | 0.00000 | 789605.1 | 702877.7 | 0.0 | S |
| 53.675 | 0.0000 | 0.0000 | 77.947 | 1.19784 | 0.00000 | 789605.1 | 702913.7 | 0.0 | S |
| 53.683 | 0.0000 | 0.0000 | 77.946 | 1.19745 | 0.00000 | 789605.1 | 702949.6 | 0.0 | S |
| 53.692 | 0.0000 | 0.0000 | 77.945 | 1.19705 | 0.00000 | 789605.1 | 702985.5 | 0.0 | S |
| 53.700 | 0.0000 | 0.0000 | 77.944 | 1.19666 | 0.00000 | 789605.1 | 703021.4 | 0.0 | S |
| 53.708 | 0.0000 | 0.0000 | 77.943 | 1.19627 | 0.00000 | 789605. 1 | 703057.3 | 0.0 | S |
| 53.717 | 0.0000 | 0.0000 | 77.942 | 1.19588 | 0.00000 | 789605.1 | 703093.2 | 0.0 | S |
| 53.725 | 0.0000 | 0.0000 | 77.941 | 1.19548 | 0.00000 | 789605.1 | 703129.1 | 0.0 | S |
| 53.733 | 0.0000 | 0.0000 | 77.940 | 1.19509 | 0.00000 | 789605.1 | 703164.9 | 0.0 | S |
| 53.742 | 0.0000 | 0.0000 | 77.939 | 1.19470 | 0.00000 | 789605.1 | 703200.8 | 0.0 | S |
| 53.750 | 0.0000 | 0.0000 | 77.938 | 1.19431 | 0.00000 | 789605.1 | 703236.6 | 0.0 | S |
| 53.758 | 0.0000 | 0.0000 | 77.937 | 1.19392 | 0.00000 | 789605.1 | 703272.4 | 0.0 | S |
| 53.767 | 0.0000 | 0.0000 | 77.936 | 1.19353 | 0.00000 | 789605.1 | 703308.3 | 0.0 | S |
| 53.775 | 0.0000 | 0.0000 | 77.935 | 1.19314 | 0.00000 | 789605.1 | 703344.1 | 0.0 | S |
| 53.783 | 0.0000 | 0.0000 | 77.934 | 1.19275 | 0.00000 | 789605.1 | 703379.8 | 0.0 | S |
| 53.792 | 0.0000 | 0.0000 | 77.933 | 1.19235 | 0.00000 | 789605.1 | 703415.6 | 0.0 | S |
| 53.800 | 0.0000 | 0.0000 | 77.932 | 1.19196 | 0.00000 | 789605.1 | 703451.4 | 0.0 | S |
| 53.808 | 0.0000 | 0.0000 | 77.931 | 1.19157 | 0.00000 | 789605.1 | 703487.1 | 0.0 | S |
| 53.817 | 0.0000 | 0.0000 | 77.930 | 1.19118 | 0.00000 | 789605.1 | 703522.9 | 0.0 | S |
| 53.825 | 0.0000 | 0.0000 | 77.929 | 1.19080 | 0.00000 | 789605.1 | 703558.6 | 0.0 | S |
| 53.833 | 0.0000 | 0.0000 | 77.928 | 1.19040 | 0.00000 | 789605.1 | 703594.3 | 0.0 | S |
| 53.842 | 0.0000 | 0.0000 | 77.927 | 1.19001 | 0.00000 | 789605.1 | 703630.0 | 0.0 | S |
| 53.850 | 0.0000 | 0.0000 | 77.926 | 1.18963 | 0.00000 | 789605.1 | 703665.7 | 0.0 | S |
| 53.858 | 0.0000 | 0.0000 | 77.925 | 1.18924 | 0.00000 | 789605.1 | 703701.4 | 0.0 | S |
| 53.867 | 0.0000 | 0.0000 | 77.924 | 1.18885 | 0.00000 | 789605.1 | 703737.1 | 0.0 | S |
| 53.875 | 0.0000 | 0.0000 | 77.923 | 1.18846 | 0.00000 | 789605.1 | 703772.7 | 0.0 | S |
| 53.883 | 0.0000 | 0.0000 | 77.922 | 1.18807 | 0.00000 | 789605.1 | 703808.4 | 0.0 | S |
| 53.892 | 0.0000 | 0.0000 | 77.921 | 1.18768 | 0.00000 | 789605.1 | 703844.0 | 0.0 | S |
| 53.900 | 0.0000 | 0.0000 | 77.920 | 1.18730 | 0.00000 | 789605.1 | 703879.6 | 0.0 | S |
| 53.908 | 0.0000 | 0.0000 | 77.919 | 1.18691 | 0.00000 | 789605.1 | 703915.3 | 0.0 | S |
| 53.917 | 0.0000 | 0.0000 | 77.918 | 1.18652 | 0.00000 | 789605.1 | 703950.8 | 0.0 | S |
| 53.925 | 0.0000 | 0.0000 | 77.917 | 1.18613 | 0.00000 | 789605.1 | 703986.4 | 0.0 | S |
| 53.933 | 0.0000 | 0.0000 | 77.916 | 1.18575 | 0.00000 | 789605.1 | 704022.0 | 0.0 | S |
| 53.942 | 0.0000 | 0.0000 | 77.915 | 1.18536 | 0.00000 | 789605.1 | 704057.6 | 0.0 | S |
| 53.950 | 0.0000 | 0.0000 | 77.914 | 1.18497 | 0.00000 | 789605.1 | 704093.1 | 0.0 | S |
| 53.958 | 0.0000 | 0.0000 | 77.913 | 1.18458 | 0.00000 | 789605.1 | 704128.7 | 0.0 | S |
| 53.967 | 0.0000 | 0.0000 | 77.911 | 1.18420 | 0.00000 | 789605.1 | 704164.2 | 0.0 | S |
| 53.975 | 0.0000 | 0.0000 | 77.910 | 1.18381 | 0.00000 | 789605.1 | 704199.8 | 0.0 | S |
| 53.983 | 0.0000 | 0.0000 | 77.909 | 1.18343 | 0.00000 | 789605.1 | 704235.3 | 0.0 | S |
| 53.992 | 0.0000 | 0.0000 | 77.908 | 1.18304 | 0.00000 | 789605.1 | 704270.8 | 0.0 | S |
| 54.000 | 0.0000 | 0.0000 | 77.907 | 1.18265 | 0.00000 | 789605.1 | 704306.2 | 0.0 | S |
| 54.008 | 0.0000 | 0.0000 | 77.906 | 1.18227 | 0.00000 | 789605.1 | 704341.7 | 0.0 | S |
| 54.017 | 0.0000 | 0.0000 | 77.905 | 1.18188 | 0.00000 | 789605.1 | 704377.1 | 0.0 | S |
| 54.025 | 0.0000 | 0.0000 | 77.904 | 1.18150 | 0.00000 | 789605.1 | 704412.6 | 0.0 | S |
| 54.033 | 0.0000 | 0.0000 | 77.903 | 1.18111 | 0.00000 | 789605.1 | 704448.1 | 0.0 | S |
| 54.042 | 0.0000 | 0.0000 | 77.902 | 1.18073 | 0.00000 | 789605.1 | 704483.5 | 0.0 | S |
| 54.050 | 0.0000 | 0.0000 | 77.901 | 1.18034 | 0.00000 | 789605.1 | 704518.9 | 0.0 | S |
| 54.058 | 0.0000 | 0.0000 | 77.900 | 1.17996 | 0.00000 | 789605.1 | 704554.3 | 0.0 | S |
| 54.067 | 0.0000 | 0.0000 | 77.899 | 1.17957 | 0.00000 | 789605.1 | 704589.7 | 0.0 | S |
| 54.075 | 0.0000 | 0.0000 | 77.898 | 1.17919 | 0.00000 | 789605.1 | 704625.1 | 0.0 | S |
| 54.083 | 0.0000 | 0.0000 | 77.897 | 1.17881 | 0.00000 | 789605.1 | 704660.4 | 0.0 | S |
| 54.092 | 0.0000 | 0.0000 | 77.896 | 1.17842 | 0.00000 | 789605.1 | 704695.8 | 0.0 | S |
| 54.100 | 0.0000 | 0.0000 | 77.895 | 1.17804 | 0.00000 | 789605.1 | 704731.1 | 0.0 | S |
| 54.108 | 0.0000 | 0.0000 | 77.894 | 1.17766 | 0.00000 | 789605.1 | 704766.5 | 0.0 | S |
| 54.117 | 0.0000 | 0.0000 | 77.893 | 1.17727 | 0.00000 | 789605.1 | 704801.8 | 0.0 | S |
| 54.125 | 0.0000 | 0.0000 | 77.892 | 1.17689 | 0.00000 | 789605.1 | 704837.1 | 0.0 | S |
| 54.133 | 0.0000 | 0.0000 | 77.891 | 1.17651 | 0.00000 | 789605.1 | 704872.4 | 0.0 | S |
| 54.142 | 0.0000 | 0.0000 | 77.890 | 1.17612 | 0.00000 | 789605.1 | 704907.7 | 0.0 | S |
| 54.150 | 0.0000 | 0.0000 | 77.889 | 1.17574 | 0.00000 | 789605.1 | 704943.0 | 0.0 | S |
| 54.158 | 0.0000 | 0.0000 | 77.888 | 1.17536 | 0.00000 | 789605.1 | 704978.3 | 0.0 | S |
| 54.167 | 0.0000 | 0.0000 | 77.887 | 1.17498 | 0.00000 | 789605.1 | 705013.5 | 0.0 | S |
| 54.175 | 0.0000 | 0.0000 | 77.886 | 1.17459 | 0.00000 | 789605.1 | 705048.8 | 0.0 | S |
| 54.183 | 0.0000 | 0.0000 | 77.885 | 1.17421 | 0.00000 | 789605.1 | 705084.0 | 0.0 | S |
| 54.192 | 0.0000 | 0.0000 | 77.884 | 1.17383 | 0.00000 | 789605.1 | 705119.2 | 0.0 | S |
| 54.200 | 0.0000 | 0.0000 | 77.883 | 1.17345 | 0.00000 | 789605.1 | 705154.4 | 0.0 | S |
| 54.208 | 0.0000 | 0.0000 | 77.882 | 1.17307 | 0.00000 | 789605.1 | 705189.6 | 0.0 | S |
| 54.217 | 0.0000 | 0.0000 | 77.881 | 1.17269 | 0.00000 | 789605.1 | 705224.8 | 0.0 | S |
| 54.225 | 0.0000 | 0.0000 | 77.880 | 1.17230 | 0.00000 | 789605.1 | 705259.9 | 0.0 | S |
| 54.233 | 0.0000 | 0.0000 | 77.879 | 1.17192 | 0.00000 | 789605.1 | 705295.1 | 0.0 | S |
| 54.242 | 0.0000 | 0.0000 | 77.878 | 1.17154 | 0.00000 | 789605.1 | 705330.3 | 0.0 | S |
| 54.250 | 0.0000 | 0.0000 | 77.877 | 1.17116 | 0.00000 | 789605.1 | 705365.4 | 0.0 | S |
| 54.258 | 0.0000 | 0.0000 | 77.876 | 1.17078 | 0.00000 | 789605.1 | 705400.6 | 0.0 | S |

Detailed Results (cont,d.) :: Scenario 1 :: Pond 5100 yr / 24 hr

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}{ }^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{t}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 54.267 | 0.0000 | 0.0000 | 77.875 | 1.17040 | 0.00000 | 789605.1 | 705435.7 | 0.0 | S |
| 54.275 | 0.0000 | 0.0000 | 77.874 | 1.17002 | 0.00000 | 789605.1 | 705470.8 | 0.0 | S |
| 54.283 | 0.0000 | 0.0000 | 77.873 | 1.16964 | 0.00000 | 789605.1 | 705505.9 | 0.0 | S |
| 54.292 | 0.0000 | 0.0000 | 77.872 | 1.16926 | 0.00000 | 789605.1 | 705540.9 | 0.0 | S |
| 54.300 | 0.0000 | 0.0000 | 77.871 | 1.16889 | 0.00000 | 789605.1 | 705576.0 | 0.0 | S |
| 54.308 | 0.0000 | 0.0000 | 77.870 | 1.16851 | 0.00000 | 789605.1 | 705611.1 | 0.0 | S |
| 54.317 | 0.0000 | 0.0000 | 77.869 | 1.16813 | 0.00000 | 789605.1 | 705646.1 | 0.0 | S |
| 54.325 | 0.0000 | 0.0000 | 77.868 | 1.16775 | 0.00000 | 789605.1 | 705681.2 | 0.0 | S |
| 54.333 | 0.0000 | 0.0000 | 77.867 | 1.16737 | 0.00000 | 789605.1 | 705716.2 | 0.0 | S |
| 54.342 | 0.0000 | 0.0000 | 77.866 | 1.16699 | 0.00000 | 789605.1 | 705751.2 | 0.0 | S |
| 54.350 | 0.0000 | 0.0000 | 77.865 | 1.16661 | 0.00000 | 789605.1 | 705786.3 | 0.0 | S |
| 54.358 | 0.0000 | 0.0000 | 77.864 | 1.16624 | 0.00000 | 789605.1 | 705821.2 | 0.0 | S |
| 54.367 | 0.0000 | 0.0000 | 77.863 | 1.16586 | 0.00000 | 789605.1 | 705856.2 | 0.0 | S |
| 54.375 | 0.0000 | 0.0000 | 77.862 | 1.16548 | 0.00000 | 789605.1 | 705891.2 | 0.0 | S |
| 54.383 | 0.0000 | 0.0000 | 77.861 | 1.16510 | 0.00000 | 789605.1 | 705926.1 | 0.0 | S |
| 54.392 | 0.0000 | 0.0000 | 77.860 | 1.16472 | 0.00000 | 789605.1 | 705961.1 | 0.0 | S |
| 54.400 | 0.0000 | 0.0000 | 77.859 | 1.16435 | 0.00000 | 789605.1 | 705996.0 | 0.0 | S |
| 54.408 | 0.0000 | 0.0000 | 77.858 | 1.16397 | 0.00000 | 789605.1 | 706030.9 | 0.0 | S |
| 54.417 | 0.0000 | 0.0000 | 77.857 | 1.16359 | 0.00000 | 789605.1 | 706065.9 | 0.0 | S |
| 54.425 | 0.0000 | 0.0000 | 77.856 | 1.16322 | 0.00000 | 789605.1 | 706100.8 | 0.0 | S |
| 54.433 | 0.0000 | 0.0000 | 77.855 | 1.16284 | 0.00000 | 789605.1 | 706135.6 | 0.0 | S |
| 54.442 | 0.0000 | 0.0000 | 77.854 | 1.16246 | 0.00000 | 789605.1 | 706170.5 | 0.0 | S |
| 54.450 | 0.0000 | 0.0000 | 77.853 | 1.16209 | 0.00000 | 789605.1 | 706205.4 | 0.0 | S |
| 54.458 | 0.0000 | 0.0000 | 77.852 | 1.16171 | 0.00000 | 789605.1 | 706240.3 | 0.0 | S |
| 54.467 | 0.0000 | 0.0000 | 77.851 | 1.16134 | 0.00000 | 789605.1 | 706275.1 | 0.0 | S |
| 54.475 | 0.0000 | 0.0000 | 77.850 | 1.16096 | 0.00000 | 789605.1 | 706309.9 | 0.0 | S |
| 54.483 | 0.0000 | 0.0000 | 77.849 | 1.16059 | 0.00000 | 789605.1 | 706344.8 | 0.0 | S |
| 54.492 | 0.0000 | 0.0000 | 77.848 | 1.16021 | 0.00000 | 789605.1 | 706379.6 | 0.0 | S |
| 54.500 | 0.0000 | 0.0000 | 77.847 | 1.15983 | 0.00000 | 789605.1 | 706414.4 | 0.0 | S |
| 54.508 | 0.0000 | 0.0000 | 77.846 | 1.15946 | 0.00000 | 789605.1 | 706449.1 | 0.0 | S |
| 54.517 | 0.0000 | 0.0000 | 77.844 | 1.15909 | 0.00000 | 789605.1 | 706483.9 | 0.0 | S |
| 54.525 | 0.0000 | 0.0000 | 77.843 | 1.15871 | 0.00000 | 789605.1 | 706518.7 | 0.0 | S |
| 54.533 | 0.0000 | 0.0000 | 77.842 | 1.15834 | 0.00000 | 789605.1 | 706553.4 | 0.0 | S |
| 54.542 | 0.0000 | 0.0000 | 77.841 | 1.15796 | 0.00000 | 789605.1 | 706588.2 | 0.0 | S |
| 54.550 | 0.0000 | 0.0000 | 77.840 | 1.15759 | 0.00000 | 789605.1 | 706622.9 | 0.0 | S |
| 54.558 | 0.0000 | 0.0000 | 77.839 | 1.15722 | 0.00000 | 789605.1 | 706657.6 | 0.0 | S |
| 54.567 | 0.0000 | 0.0000 | 77.838 | 1.15684 | 0.00000 | 789605.1 | 706692.4 | 0.0 | S |
| 54.575 | 0.0000 | 0.0000 | 77.837 | 1.15647 | 0.00000 | 789605.1 | 706727.1 | 0.0 | S |
| 54.583 | 0.0000 | 0.0000 | 77.836 | 1.15609 | 0.00000 | 789605.1 | 706761.8 | 0.0 | S |
| 54.592 | 0.0000 | 0.0000 | 77.835 | 1.15572 | 0.00000 | 789605.1 | 706796.4 | 0.0 | S |
| 54.600 | 0.0000 | 0.0000 | 77.834 | 1.45535 | 0.00000 | 789605.1 | 706831.1 | 0.0 | S |
| 54.608 | 0.0000 | 0.0000 | 77.833 | 1.15497 | 0.00000 | 789605.1 | 706865.8 | 0.0 | S |
| 54.617 | 0.0000 | 0.0000 | 77.832 | 1.15460 | 0.00000 | 789605.1 | 706900.4 | 0.0 | S |
| 54.625 | 0.0000 | 0.0000 | 77.831 | 1.15423 | 0.00000 | 789605.1 | 706935.0 | 0.0 | S |
| 54.633 | 0.0000 | 0.0000 | 77.830 | 1.15386 | 0.00000 | 789605.1 | 706969.6 | 0.0 | S |
| 54.642 | 0.0000 | 0.0000 | 77.829 | 1.15349 | 0.00000 | 789605.1 | 707004.3 | 0.0 | S |
| 54.650 | 0.0000 | 0.0000 | 77.828 | 1.15311 | 0.00000 | 789605.1 | 707038.9 | 0.0 | S |
| 54.658 | 0.0000 | 0.0000 | 77.827 | 1.15274 | 0.00000 | 789605.1 | 707073.4 | 0.0 | S |
| 54.667 | 0.0000 | 0.0000 | 77.826 | 1.15237 | 0.00000 | 789605.1 | 707108.0 | 0.0 | S |
| 54.675 | 0.0000 | 0.0000 | 77.825 | 1.15200 | 0.00000 | 789605.1 | 707142.6 | 0.0 | S |
| 54.683 | 0.0000 | 0.0000 | 77.824 | 1.15163 | 0.00000 | 789605.1 | 707177.1 | 0.0 | S |
| 54.692 | 0.0000 | 0.0000 | 77.823 | 1.15126 | 0.00000 | 789605.1 | 707211.7 | 0.0 | S |
| 54.700 | 0.0000 | 0.0000 | 77.822 | 1.15089 | 0.00000 | 789605.1 | 707246.2 | 0.0 | S |
| 54.708 | 0.0000 | 0.0000 | 77.821 | 1.15051 | 0.00000 | 789605.1 | 707280.8 | 0.0 | S |
| 54.717 | 0.0000 | 0.0000 | 77.820 | 1.15014 | 0.00000 | 789605.1 | 707315.3 | 0.0 | S |
| 54.725 | 0.0000 | 0.0000 | 77.819 | 1.14977 | 0.00000 | 789605.1 | 707349.8 | 0.0 | S |
| 54.733 | 0.0000 | 0.0000 | 77.818 | 1.14940 | 0.00000 | 789605.1 | 707384.3 | 0.0 | S |
| 54.742 | 0.0000 | 0.0000 | 77.817 | 1.14903 | 0.00000 | 789605.1 | 707418.7 | 0.0 | S |
| 54.750 | 0.0000 | 0.0000 | 77.816 | 1.14866 | 0.00000 | 789605.1 | 707453.2 | 0.0 | S |
| 54.758 | 0.0000 | 0.0000 | 77.815 | 1.14829 | 0.00000 | 789605.1 | 707487.6 | 0.0 | S |
| 54.767 | 0.0000 | 0.0000 | 77.814 | 1.14792 | 0.00000 | 789605.1 | 707522.1 | 0.0 | S |
| 54.775 | 0.0000 | 0.0000 | 77.813 | 1.14755 | 0.00000 | 789605.1 | 707556.5 | 0.0 | S |
| 54.783 | 0.0000 | 0.0000 | 77.812 | 1.14718 | 0.00000 | 789605.1 | 707590.9 | 0.0 | S |
| 54.792 | 0.0000 | 0.0000 | 77.811 | 1.14682 | 0.00000 | 789605.1 | 707625.3 | 0.0 | S |
| 54.800 | 0.0000 | 0.0000 | 77.810 | 1.14645 | 0.00000 | 789605.1 | 707659.8 | 0.0 | S |
| 54.808 | 0.0000 | 0.0000 | 77.809 | 1.14608 | 0.00000 | 789605.1 | 707694.1 | 0.0 | S |
| 54.817 | 0.0000 | 0.0000 | 77.808 | 1.14571 | 0.00000 | 789605.1 | 707728.5 | 0.0 | S |
| 54.825 | 0.0000 | 0.0000 | 77.807 | 1.14534 | 0.00000 | 789605.1 | 707762.9 | 0.0 | S |
| 54.833 | 0.0000 | 0.0000 | 77.806 | 1.14497 | 0.00000 | 789605.1 | 707797.2 | 0.0 | S |
| 54.842 | 0.0000 | 0.0000 | 77.805 | 1.14461 | 0.00000 | 789605.1 | 707831.6 | 0.0 | S |
| 54.850 | 0.0000 | 0.0000 | 77.804 | 1.14424 | 0.00000 | 789605.1 | 707865.9 | 0.0 | S |
| 54.858 | 0.0000 | 0.0000 | 77.803 | 1.14387 | 0.00000 | 789605.1 | 707900.2 | 0.0 | S |
| 54.867 | 0.0000 | 0.0000 | 77.802 | 1.14350 | 0.00000 | 789605.1 | 707934.5 | 0.0 | S |
| 54.875 | 0.0000 | 0.0000 | 77.801 | 1.14313 | 0.00000 | 789605.1 | 707968.8 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{H}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 54.883 | 0.0000 | 0.0000 | 77.800 | 1.14277 | 0.00000 | 789605.1 | 708003.1 | 0.0 | S |
| 54.892 | 0.0000 | 0.0000 | 77.799 | 1.14240 | 0.00000 | 789605.1 | 708037.4 | 0.0 | S |
| 54.900 | 0.0000 | 0.0000 | 77.798 | 1.14203 | 0.00000 | 789605.1 | 708071.7 | 0.0 | S |
| 54.908 | 0.0000 | 0.0000 | 77.797 | 1.14167 | 0.00000 | 789605.1 | 708105.9 | 0.0 | S |
| 54.917 | 0.0000 | 0.0000 | 77.796 | 1.14130 | 0.00000 | 789605.1 | 708140.2 | 0.0 | S |
| 54.925 | 0.0000 | 0.0000 | 77.795 | 1.14093 | 0.00000 | 789605.1 | 708174.4 | 0.0 | S |
| 54.933 | 0.0000 | 0.0000 | 77.794 | 1.14057 | 0.00000 | 789605.1 | 708208.6 | 0.0 | S |
| 54.942 | 0.0000 | 0.0000 | 77.793 | 1.14020 | 0.00000 | 789605.1 | 708242.8 | 0.0 | S |
| 54.950 | 0.0000 | 0.0000 | 77.792 | 1.13983 | 0.00000 | 789605.1 | 708277.0 | 0.0 | S |
| 54.958 | 0.0000 | 0.0000 | 77.791 | 1.13947 | 0.00000 | 789605.1 | 708311.2 | 0.0 | S |
| 54.967 | 0.0000 | 0.0000 | 77.790 | 1.13910 | 0.00000 | 789605.1 | 708345.4 | 0.0 | S |
| 54.975 | 0.0000 | 0.0000 | 77.789 | 1.13874 | 0.00000 | 789605.1 | 708379.6 | 0.0 | S |
| 54.983 | 0.0000 | 0.0000 | 77.788 | 1.13837 | 0.00000 | 789605.1 | 708413.7 | 0.0 | S |
| 54.992 | 0.0000 | 0.0000 | 77.787 | 1.13801 | 0.00000 | 789605.1 | 708447.9 | 0.0 | S |
| 55.000 | 0.0000 | 0.0000 | 77.786 | 1.13764 | 0.00000 | 789605.1 | 708482.0 | 0.0 | S |
| 55.008 | 0.0000 | 0.0000 | 77.785 | 1.13728 | 0.00000 | 789605.1 | 708516.1 | 0.0 | S |
| 55.017 | 0.0000 | 0.0000 | 77.784 | 1.13691 | 0.00000 | 789605.1 | 708550.3 | 0.0 | S |
| 55.025 | 0.0000 | 0.0000 | 77.783 | 1.13655 | 0.00000 | 789605.1 | 708584.3 | 0.0 | S |
| 55.033 | 0.0000 | 0.0000 | 77.782 | 1.13619 | 0.00000 | 789605.1 | 708618.4 | 0.0 | S |
| 55.042 | 0.0000 | 0.0000 | 77.781 | 1.13582 | 0.00000 | 789605.1 | 708652.5 | 0.0 | S |
| 55.050 | 0.0000 | 0.0000 | 77.780 | 1.13546 | 0.00000 | 789605.1 | 708686.6 | 0.0 | S |
| 55.058 | 0.0000 | 0.0000 | 77.779 | 1.13509 | 0.00000 | 789605.1 | 708720.6 | 0.0 | S |
| 55.067 | 0.0000 | 0.0000 | 77.778 | 1.13473 | 0.00000 | 789605.1 | 708754.7 | 0.0 | S |
| 55.075 | 0.0000 | 0.0000 | 77.777 | 1.13437 | 0.00000 | 789605.1 | 708788.7 | 0.0 | S |
| 55.083 | 0.0000 | 0.0000 | 77.776 | 1.13400 | 0.00000 | 789605.1 | 708822.8 | 0.0 | S |
| 55.092 | 0.0000 | 0.0000 | 77.775 | 1.73364 | 0.00000 | 789605.1 | 708856.8 | 0.0 | S |
| 55.100 | 0.0000 | 0.0000 | 77.774 | 1.13328 | 0.00000 | 789605.1 | 708890.8 | 0.0 | S |
| 55.108 | 0.0000 | 0.0000 | 77.773 | 1.13291 | 0.00000 | 789605.1 | 708924.8 | 0.0 | S |
| 55.117 | 0.0000 | 0.0000 | 77.772 | 1.13255 | 0.00000 | 789605.1 | 708958.8 | 0.0 | S |
| 55.125 | 0.0000 | 0.0000 | 77.771 | 1.13219 | 0.00000 | 789605.1 | 708992.7 | 0.0 | S |
| 55.133 | 0.0000 | 0.0000 | 77.770 | 1.13183 | 0.00000 | 789605.1 | 709026.7 | 0.0 | S |
| 55.142 | 0.0000 | 0.0000 | 77.769 | $\uparrow .13146$ | 0.00000 | 789605.1 | 709060.6 | 0.0 | S |
| 55.150 | 0.0000 | 0.0000 | 77.768 | 1.13110 | 0.00000 | 789605.1 | 709094.6 | 0.0 | S |
| 55.158 | 0.0000 | 0.0000 | 77.767 | 1.13074 | 0.00000 | 789605.1 | 709128.5 | 0.0 | S |
| 55.167 | 0.0000 | 0.0000 | 77.766 | 1.13038 | 0.00000 | 789605.1 | 709162.4 | 0.0 | S |
| 55.175 | 0.0000 | 0.0000 | 77.765 | 1.13002 | 0.00000 | 789605.1 | 709196.3 | 0.0 | S |
| 55.183 | 0.0000 | 0.0000 | 77.764 | 1.12966 | 0.00000 | 789605.1 | 709230.2 | 0.0 | S |
| 55.192 | 0.0000 | 0.0000 | 77.763 | 1.12929 | 0.00000 | 789605.1 | 709264.1 | 0.0 | S |
| 55.200 | 0.0000 | 0.0000 | 77.762 | 1.12893 | 0.00000 | 789605.1 | 709297.9 | 0.0 | S |
| 55.208 | 0.0000 | 0.0000 | 77.761 | 1.12857 | 0.00000 | 789605.1 | 709331.8 | 0.0 | S |
| 55.217 | 0.0000 | 0.0000 | 77.760 | 1.12821 | 0.00000 | 789605.1 | 709365.7 | 0.0 | S |
| 55.225 | 0.0000 | 0.0000 | 77.759 | 1.12785 | 0.00000 | 789605.1 | 709399.5 | 0.0 | S |
| 55.233 | 0.0000 | 0.0000 | 77.758 | 1.12749 | 0.00000 | 789605.1 | 709433.4 | 0.0 | S |
| 55.242 | 0.0000 | 0.0000 | 77.757 | 1.12713 | 0.00000 | 789605.1 | 709467.2 | 0.0 | S |
| 55.250 | 0.0000 | 0.0000 | 77.756 | 1.12677 | 0.00000 | 789605.1 | 709501.0 | 0.0 | S |
| 55.258 | 0.0000 | 0.0000 | 77.755 | 1.12641 | 0.00000 | 789605.1 | 709534.8 | 0.0 | S |
| 55.267 | 0.0000 | 0.0000 | 77.754 | 1.12605 | 0.00000 | 789605.1 | 709568.6 | 0.0 | S |
| 55.275 | 0.0000 | 0.0000 | 77.753 | 1.12569 | 0.00000 | 789605.1 | 709602.3 | 0.0 | S |
| 55.283 | 0.0000 | 0.0000 | 77.752 | 1.12533 | 0.00000 | 789605.1 | 709636.1 | 0.0 | S |
| 55.292 | 0.0000 | 0.0000 | 77.751 | 1.12497 | 0.00000 | 789605.1 | 709669.9 | 0.0 | S |
| 55.300 | 0.0000 | 0.0000 | 77.750 | 1.12461 | 0.00000 | 789605.1 | 709703.6 | 0.0 | S |
| 55.308 | 0.0000 | 0.0000 | 77.749 | 1.12426 | 0.00000 | 789605.1 | 709737.3 | 0.0 | S |
| 55.317 | 0.0000 | 0.0000 | 77.748 | 1.12390 | 0.00000 | 789605.1 | 709771.1 | 0.0 | S |
| 55.325 | 0.0000 | 0.0000 | 77.747 | 1.12354 | 0.00000 | 789605.1 | 709804.8 | 0.0 | S |
| 55.333 | 0.0000 | 0.0000 | 77.746 | 1.12318 | 0.00000 | 789605.1 | 709838.4 | 0.0 | S |
| 55.342 | 0.0000 | 0.0000 | 77.745 | 1.12282 | 0.00000 | 789605.1 | 709872.1 | 0.0 | S |
| 55.350 | 0.0000 | 0.0000 | 77.744 | 1.12246 | 0.00000 | 789605.1 | 709905.8 | 0.0 | S |
| 55.358 | 0.0000 | 0.0000 | 77.743 | 1.12211 | 0.00000 | 789605.1 | 709939.5 | 0.0 | S |
| 55.367 | 0.0000 | 0.0000 | 77.742 | 1.12175 | 0.00000 | 789605.1 | 709973.2 | 0.0 | S |
| 55.375 | 0.0000 | 0.0000 | 77.741 | 1.12139 | 0.00000 | 789605.1 | 710006.8 | 0.0 | S |
| 55.383 | 0.0000 | 0.0000 | 77.740 | 1.12103 | 0.00000 | 789605.1 | 710040.4 | 0.0 | S |
| 55.392 | 0.0000 | 0.0000 | 77.739 | 1.12067 | 0.00000 | 789605.1 | 710074.1 | 0.0 | S |
| 55.400 | 0.0000 | 0.0000 | 77.738 | 1.12032 | 0.00000 | 789605.1 | 710107.7 | 0.0 | S |
| 55.408 | 0.0000 | 0.0000 | 77.737 | 1. 11996 | 0.00000 | 789605.1 | 710141.3 | 0.0 | S |
| 55.417 | 0.0000 | 0.0000 | 77.736 | 1.11960 | 0.00000 | 789605.1 | 710174.9 | 0.0 | S |
| 55.425 | 0.0000 | 0.0000 | 77.735 | 1.11925 | 0.00000 | 789605.1 | 710208.4 | 0.0 | S |
| 55.433 | 0.0000 | 0.0000 | 77.734 | 1.11889 | 0.00000 | 789605.1 | 710242.1 | 0.0 | S |
| 55.442 | 0.0000 | 0.0000 | 77.733 | 1.11853 | 0.00000 | 789605.1 | 710275.6 | 0.0 | S |
| 55.450 | 0.0000 | 0.0000 | 77.732 | 1.11818 | 0.00000 | 789605.1 | 710309.1 | 0.0 | S |
| 55.458 | 0.0000 | 0.0000 | 77.731 | 1.11782 | 0.00000 | 789605.1 | 710342.7 | 0.0 | S |
| 55.467 | 0.0000 | 0.0000 | 77.730 | 1.11747 | 0.00000 | 789605.1 | 710376.2 | 0.0 | S |
| 55.475 | 0.0000 | 0.0000 | 77.729 | 1.11711 | 0.00000 | 789605.1 | 710409.8 | 0.0 | S |
| 55.483 | 0.0000 | 0.0000 | 77.728 | 1.11675 | 0.00000 | 789605.1 | 710443.3 | 0.0 | S |
| 55.492 | 0.0000 | 0.0000 | 77.727 | 1.11640 | 0.00000 | 789605.1 | 710476.8 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | inflow Rate (ft ${ }^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{t}^{2} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 55.500 | 0.0000 | 0.0000 | 77.726 | 1.11604 | 0.00000 | 789605.1 | 710510.3 | 0.0 | S |
| 55.508 | 0.0000 | 0.0000 | 77.725 | 1.11569 | 0.00000 | 789605.1 | 710543.7 | 0.0 | S |
| 55.517 | 0.0000 | 0.0000 | 77.724 | 1.11533 | 0.00000 | 789605.9 | 710577.2 | 0.0 | S |
| 55.525 | 0.0000 | 0.0000 | 77.723 | 1.11498 | 0.00000 | 789605.1 | 710610.6 | 0.0 | S |
| 55.533 | 0.0000 | 0.0000 | 77.722 | 1.11462 | 0.00000 | 789605.1 | 710644.1 | 0.0 | S |
| 55.542 | 0.0000 | 0.0000 | 77.721 | 1.11427 | 0.00000 | 789605.1 | 710677.5 | 0.0 | S |
| 55.550 | 0.0000 | 0.0000 | 77.720 | 1.11391 | 0.00000 | 789605.1 | 710710.9 | 0.0 | S |
| 55.558 | 0.0000 | 0.0000 | 77.719 | 1.11356 | 0.00000 | 789605.1 | 710744.3 | 0.0 | S |
| 55.567 | 0.0000 | 0.0000 | 77.718 | 1.11321 | 0.00000 | 789605.1 | 710777.8 | 0.0 | S |
| 55.575 | 0.0000 | 0.0000 | 77.717 | 1.11285 | 0.00000 | 789605.1 | 710811.1 | 0.0 | S |
| 55.583 | 0.0000 | 0.0000 | 77.716 | 1.11250 | 0.00000 | 789605.1 | 710844.5 | 0.0 | S |
| 55.592 | 0.0000 | 0.0000 | 77.715 | 1.11214 | 0.00000 | 789605.1 | 710877.9 | 0.0 | S |
| 55.600 | 0.0000 | 0.0000 | 77.714 | 1.11179 | 0.00000 | 789605.1 | 710911.3 | 0.0 | S |
| 55.608 | 0.0000 | 0.0000 | 77.713 | 1.11144 | 0.00000 | 789605.1 | 710944.6 | 0.0 | S |
| 55.617 | 0.0000 | 0.0000 | 77.712 | 1.11108 | 0.00000 | 789605.1 | 710977.9 | 0.0 | S |
| 55.625 | 0.0000 | 0.0000 | 77.711 | 1.11073 | 0.00000 | 789605.1 | 711011.3 | 0.0 | S |
| 55.633 | 0.0000 | 0.0000 | 77.710 | 1.11038 | 0.00000 | 789605.1 | 711044.6 | 0.0 | S |
| 55.642 | 0.0000 | 0.0000 | 77.709 | 1.11003 | 0.00000 | 789605.1 | 711077.9 | 0.0 | S |
| 55.650 | 0.0000 | 0.0000 | 77.708 | 1.10967 | 0.00000 | 789605.1 | 711111.2 | 0.0 | S |
| 55.658 | 0.0000 | 0.0000 | 77.707 | 1.10932 | 0.00000 | 789605.1 | 711144.4 | 0.0 | S |
| 55.667 | 0.0000 | 0.0000 | 77.706 | 1.10897 | 0.00000 | 789605.1 | 711177.8 | 0.0 | S |
| 55.675 | 0.0000 | 0.0000 | 77.705 | 1.10862 | 0.00000 | 789605.1 | 711211.0 | 0.0 | S |
| 55.683 | 0.0000 | 0.0000 | 77.704 | 1.10826 | 0.00000 | 789605.1 | 711244.3 | 0.0 | S |
| 55.692 | 0.0000 | 0.0000 | 77.703 | 1.10791 | 0.00000 | 789605.1 | 711277.5 | 0.0 | S |
| 55.700 | 0.0000 | 0.0000 | 77.702 | 1.10756 | 0.00000 | 789605.1 | 711310.8 | 0.0 | S |
| 55.708 | 0.0000 | 0.0000 | 77.701 | 1.10721 | 0.00000 | 789605.1 | 711343.9 | 0.0 | S |
| 55.717 | 0.0000 | 0.0000 | 77.700 | 1.10686 | 0.00000 | 789605.1 | 711377.1 | 0.0 | S |
| 55.725 | 0.0000 | 0.0000 | 77.699 | 1.10651 | 0.00000 | 789605.1 | 711410.4 | 0.0 | S |
| 55.733 | 0.0000 | 0.0000 | 77.698 | 1.10616 | 0.00000 | 789605.1 | 711443.6 | 0.0 | S |
| 55.742 | 0.0000 | 0.0000 | 77.697 | 1.10581 | 0.00000 | 789605.1 | 711476.8 | 0.0 | S |
| 55.750 | 0.0000 | 0.0000 | 77.696 | \$.10546 | 0.00000 | 789605.1 | 711509.9 | 0.0 | S |
| 55.758 | 0.0000 | 0.0000 | 77.695 | 1.10511 | 0.00000 | 789605.1 | 711543.1 | 0.0 | S |
| 55.767 | 0.0000 | 0.0000 | 77.694 | 1.10476 | 0.00000 | 789605.1 | 711576.2 | 0.0 | S |
| 55.775 | 0.0000 | 0.0000 | 77.693 | 1.10441 | 0.00000 | 789605.1 | 711609.3 | 0.0 | S |
| 55.783 | 0.0000 | 0.0000 | 77.692 | 1.10405 | 0.00000 | 789605.1 | 711642.4 | 0.0 | S |
| 55.792 | 0.0000 | 0.0000 | 77.691 | 1.10370 | 0.00000 | 789605.1 | 711675.6 | 0.0 | S |
| 55.800 | 0.0000 | 0.0000 | 77.690 | 1.10335 | 0.00000 | 789605.1 | 711708.7 | 0.0 | S |
| 55.808 | 0.0000 | 0.0000 | 77.689 | 1.10300 | 0.00000 | 789605.1 | 711741.8 | 0.0 | S |
| 55.817 | 0.0000 | 0.0000 | 77.688 | 1.10265 | 0.00000 | 789605.1 | 711774.9 | 0.0 | S |
| 55.825 | 0.0000 | 0.0000 | 77.687 | 1.10231 | 0.00000 | 789605.1 | 711807.9 | 0.0 | S |
| 55.833 | 0.0000 | 0.0000 | 77.686 | 1.10196 | 0.00000 | 789605.1 | 711841.0 | 0.0 | S |
| 55.842 | 0.0000 | 0.0000 | 77.685 | 1.10161 | 0.00000 | 789605.1 | 711874.1 | 0.0 | S |
| 55.850 | 0.0000 | 0.0000 | 77.684 | 1.10126 | 0.00000 | 789605.1 | 711907.1 | 0.0 | S |
| 55.858 | 0.0000 | 0.0000 | 77.683 | 1.10091 | 0.00000 | 789605.1 | 711940.1 | 0.0 | S |
| 55.867 | 0.0000 | 0.0000 | 77.682 | 1.10056 | 0.00000 | 789605.1 | 711973.1 | 0.0 | S |
| 55.875 | 0.0000 | 0.0000 | 77.681 | 1.10021 | 0.00000 | 789605.1 | 712006.2 | 0.0 | S |
| 55.883 | 0.0000 | 0.0000 | 77.680 | 1.09986 | 0.00000 | 789605.1 | 712039.2 | 0.0 | S |
| 55.892 | 0.0000 | 0.0000 | 77.679 | 1.09952 | 0.00000 | 789605.1 | 712072.2 | 0.0 | S |
| 55.900 | 0.0000 | 0.0000 | 77.678 | 1.09917 | 0.00000 | 789605.1 | 712105.1 | 0.0 | S |
| 55.908 | 0.0000 | 0.0000 | 77.677 | 1.09882 | 0.00000 | 789605.1 | 712138.1 | 0.0 | S |
| 55.917 | 0.0000 | 0.0000 | 77.676 | 1.09847 | 0.00000 | 789605.1 | 712171.1 | 0.0 | S |
| 55.925 | 0.0000 | 0.0000 | 77.675 | 1.09813 | 0.00000 | 789605.1 | 712204.0 | 0.0 | S |
| 55.933 | 0.0000 | 0.0000 | 77.674 | 1.09778 | 0.00000 | 789605.1 | 712236.9 | 0.0 | S |
| 55.942 | 0.0000 | 0.0000 | 77.673 | 1.09743 | 0.00000 | 789605.1 | 712269.9 | 0.0 | S |
| 55.950 | 0.0000 | 0.0000 | 77.672 | 1.09708 | 0.00000 | 789605.1 | 712302.8 | 0.0 | S |
| 55.958 | 0.0000 | 0.0000 | 77.671 | 1.09674 | 0.00000 | 789605.1 | 712335.7 | 0.0 | S |
| 55.967 | 0.0000 | 0.0000 | 77.670 | 1.09639 | 0.00000 | 789605.1 | 712368.6 | 0.0 | S |
| 55.975 | 0.0000 | 0.0000 | 77.669 | 1.09604 | 0.00000 | 789605.1 | 712401.5 | 0.0 | S |
| 55.983 | 0.0000 | 0.0000 | 77.668 | 1.09570 | 0.00000 | 789605.1 | 712434.4 | 0.0 | S |
| 55.992 | 0.0000 | 0.0000 | 77.667 | 1.09535 | 0.00000 | 789605.1 | 712467.3 | 0.0 | S |
| 56.000 | 0.0000 | 0.0000 | 77.666 | 1.09500 | 0.00000 | 789605.1 | 712500.1 | 0.0 | S |
| 56.008 | 0.0000 | 0.0000 | 77.665 | 1.09466 | 0.00000 | 789605.1 | 712532.9 | 0.0 | S |
| 56.017 | 0.0000 | 0.0000 | 77.664 | 1.09431 | 0.00000 | 789605.1 | 712565.8 | 0.0 | S |
| 56.025 | 0.0000 | 0.0000 | 77.663 | 1.09397 | 0.00000 | 789605.1 | 712598.6 | 0.0 | S |
| 56.033 | 0.0000 | 0.0000 | 77.662 | 1.09362 | 0.00000 | 789605.1 | 712631.4 | 0.0 | S |
| 56.042 | 0.0000 | 0.0000 | 77.661 | 1.09327 | 0.00000 | 789605.1 | 712664.2 | 0.0 | S |
| 56.050 | 0.0000 | 0.0000 | 77.660 | 1.09293 | 0.00000 | 789605.1 | 712697.0 | 0.0 | S |
| 56.058 | 0.0000 | 0.0000 | 77.659 | 1.09258 | 0.00000 | 789605.1 | 712729.8 | 0.0 | S |
| 56.067 | 0.0000 | 0.0000 | 77.658 | 1.09224 | 0.00000 | 789605.1 | 712762.6 | 0.0 | S |
| 56.075 | 0.0000 | 0.0000 | 77.657 | 1.09189 | 0.00000 | 789605.1 | 712795.3 | 0.0 | S |
| 56.083 | 0.0000 | 0.0000 | 77.656 | 1.09155 | 0.00000 | 789605.1 | 712828.1 | 0.0 | S |
| 56.092 | 0.0000 | 0.0000 | 77.655 | 1.09120 | 0.00000 | 789605.1 | 712860.8 | 0.0 | S |
| 56.100 | 0.0000 | 0.0000 | 77.654 | 1.09086 | 0.00000 | 789605.1 | 712893.6 | 0.0 | S |
| 56.108 | 0.0000 | 0.0000 | 77.653 | 1.09052 | 0.00000 | 789605.1 | 712926.3 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{t}^{1 / 2} \mathrm{~s}$ ) | Outside Recharge (fl/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{1 / \mathrm{s}}$ ) | Overflow Discharge (ft ${ }^{3} \mathrm{~s}$ ) | $\begin{gathered} \text { Cumulative } \\ \text { Inflow } \\ \text { Volume }\left(\mathrm{ft}^{3}\right) \end{gathered}$ | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 56.117 | 0.0000 | 0.0000 | 77.652 | 1.09017 | 0.00000 | 789605.1 | 712959.0 | 0.0 | S |
| 56.125 | 0.0000 | 0.0000 | 77.651 | 1.08983 | 0.00000 | 789605.1 | 712991.7 | 0.0 | S |
| 56.133 | 0.0000 | 0.0000 | 77.650 | 1.08948 | 0.00000 | 789605.1 | 713024.4 | 0.0 | S |
| 56.142 | 0.0000 | 0.0000 | 77.649 | 1.08914 | 0.00000 | 789605.1 | 713057.1 | 0.0 | S |
| 56.150 | 0.0000 | 0.0000 | 77.648 | 1.08880 | 0.00000 | 789605.1 | 713089.7 | 0.0 | S |
| 56.158 | 0.0000 | 0.0000 | 77.647 | 1.08845 | 0.00000 | 789605.1 | 713122.4 | 0.0 | S |
| 56.167 | 0.0000 | 0.0000 | 77.646 | 1.08811 | 0.00000 | 789605.1 | 713155.0 | 0.0 | S |
| 56.175 | 0.0000 | 0.0000 | 77.645 | 1.08777 | 0.00000 | 789605.1 | 713187.6 | 0.0 | S |
| 56.183 | 0.0000 | 0.0000 | 77.644 | 1.08743 | 0.00000 | 789605.1 | 713220.3 | 0.0 | S |
| 56.192 | 0.0000 | 0.0000 | 77.643 | 1.08708 | 0.00000 | 789605.1 | 713252.9 | 0.0 | S |
| 56.200 | 0.0000 | 0.0000 | 77.642 | 1.08674 | 0.00000 | 789605.1 | 713285.5 | 0.0 | S |
| 56.208 | 0.0000 | 0.0000 | 77.641 | 1.08640 | 0.00000 | 789605.1 | 713318.1 | 0.0 | S |
| 56.217 | 0.0000 | 0.0000 | 77.640 | 1.08605 | 0.00000 | 789605.1 | 713350.7 | 0.0 | S |
| 56.225 | 0.0000 | 0.0000 | 77.639 | 1.08571 | 0.00000 | 789605.1 | 713383.3 | 0.0 | S |
| 56.233 | 0.0000 | 0.0000 | 77.638 | 1.08537 | 0.00000 | 789605.1 | 713415.8 | 0.0 | S |
| 56.242 | 0.0000 | 0.0000 | 77.638 | 1.08503 | 0.00000 | 789605.1 | 713448.4 | 0.0 | S |
| 56.250 | 0.0000 | 0.0000 | 77.637 | 1.08469 | 0.00000 | 789605.1 | 713480.9 | 0.0 | S |
| 56.258 | 0.0000 | 0.0000 | 77.636 | 1.08434 | 0.00000 | 789605.1 | 713513.5 | 0.0 | S |
| 56.267 | 0.0000 | 0.0000 | 77.635 | 1.08400 | 0.00000 | 789605.1 | 713546.0 | 0.0 | S |
| 56.275 | 0.0000 | 0.0000 | 77.634 | 1.08366 | 0.00000 | 789605.1 | 713578.5 | 0.0 | S |
| 56.283 | 0.0000 | 0.0000 | 77.633 | 1.08332 | 0.00000 | 789605.1 | 713611.0 | 0.0 | S |
| 56.292 | 0.0000 | 0.0000 | 77.632 | 1.08298 | 0.00000 | 789605.1 | 713643.5 | 0.0 | S |
| 56.300 | 0.0000 | 0.0000 | 77.631 | 1.08264 | 0.00000 | 789605.1 | 713676.0 | 0.0 | S |
| 56.308 | 0.0000 | 0.0000 | 77.630 | 1.08230 | 0.00000 | 789605.1 | 713708.5 | 0.0 | S |
| 56.317 | 0.0000 | 0.0000 | 77.629 | 1.08196 | 0.00000 | 789605.1 | 713740.9 | 0.0 | S |
| 56.325 | 0.0000 | 0.0000 | 77.628 | 1.08162 | 0.00000 | 789605.1 | 713773.4 | 0.0 | S |
| 56.333 | 0.0000 | 0.0000 | 77.627 | 1.08128 | 0.00000 | 789605.1 | 713805.8 | 0.0 | S |
| 56.342 | 0.0000 | 0.0000 | 77.626 | 1.08094 | 0.00000 | 789605.1 | 713838.3 | 0.0 | S |
| 56.350 | 0.0000 | 0.0000 | 77.625 | 1.08059 | 0.00000 | 789605.1 | 713870.7 | 0.0 | S |
| 56.358 | 0.0000 | 0.0000 | 77.624 | 1.08025 | 0.00000 | 789605.1 | 713903.1 | 0.0 | S |
| 56.367 | 0.0000 | 0.0000 | 77.623 | 1.07992 | 0.00000 | 789605.1 | 713935.5 | 0.0 | S |
| 56.375 | 0.0000 | 0.0000 | 77.622 | 1.07958 | 0.00000 | 789605.1 | 713967.9 | 0.0 | S |
| 56.383 | 0.0000 | 0.0000 | 77.621 | 1.07924 | 0.00000 | 789605.1 | 714000.3 | 0.0 | S |
| 56.392 | 0.0000 | 0.0000 | 77.620 | 1.07890 | 0.00000 | 789605.1 | 714032.6 | 0.0 | S |
| 56.400 | 0.0000 | 0.0000 | 77.619 | 1.07856 | 0.00000 | 789605.1 | 714065.0 | 0.0 | S |
| 56.408 | 0.0000 | 0.0000 | 77.618 | 1.07822 | 0.00000 | 789605.1 | 714097.4 | 0.0 | S |
| 56.417 | 0.0000 | 0.0000 | 77.617 | 1.07788 | 0.00000 | 789605.1 | 714129.7 | 0.0 | S |
| 56.425 | 0.0000 | 0.0000 | 77.616 | 1.07754 | 0.00000 | 789605.1 | 714162.1 | 0.0 | S |
| 56.433 | 0.0000 | 0.0000 | 77.615 | 1.07720 | 0.00000 | 789605.1 | 714194.4 | 0.0 | S |
| 56.442 | 0.0000 | 0.0000 | 77.614 | 1.07686 | 0.00000 | 789605.1 | 714226.7 | 0.0 | S |
| 56.450 | 0.0000 | 0.0000 | 77.613 | 1.07653 | 0.00000 | 789605.1 | 714258.9 | 0.0 | S |
| 56.458 | 0.0000 | 0.0000 | 77.612 | 1.07619 | 0.00000 | 789605.1 | 714291.3 | 0.0 | S |
| 56.467 | 0.0000 | 0.0000 | 77.611 | 1.07585 | 0.00000 | 789605.1 | 714323.6 | 0.0 | S |
| 56.475 | 0.0000 | 0.0000 | 77.610 | 1.07551 | 0.00000 | 789605.1 | 714355.8 | 0.0 | S |
| 56.483 | 0.0000 | 0.0000 | 77.609 | 1.07517 | 0.00000 | 789605.1 | 714388.1 | 0.0 | S |
| 56.492 | 0.0000 | 0.0000 | 77.608 | 1.07484 | 0.00000 | 789605.1 | 714420.3 | 0.0 | S |
| 56.500 | 0.0000 | 0.0000 | 77.607 | 1.07450 | 0.00000 | 789605.1 | 714452.6 | 0.0 | S |
| 56.508 | 0.0000 | 0.0000 | 77.606 | 1.07416 | 0.00000 | 789605.1 | 714484.8 | 0.0 | S |
| 56.517 | 0.0000 | 0.0000 | 77.605 | 1.07382 | 0.00000 | 789605.1 | 714517.0 | 0.0 | S |
| 56.525 | 0.0000 | 0.0000 | 77.604 | 1.07348 | 0.00000 | 789605.1 | 714549.3 | 0.0 | S |
| 56.533 | 0.0000 | 0.0000 | 77.603 | 1.07315 | 0.00000 | 789605.1 | 714581.4 | 0.0 | S |
| 56.542 | 0.0000 | 0.0000 | 77.602 | 1.07281 | 0.00000 | 789605.1 | 714613.6 | 0.0 | S |
| 56.550 | 0.0000 | 0.0000 | 77.601 | 1.07248 | 0.00000 | 789605.1 | 714645.8 | 0.0 | S |
| 56.558 | 0.0000 | 0.0000 | 77.600 | 1.07214 | 0.00000 | 789605.1 | 714677.9 | 0.0 | S |
| 56.567 | 0.0000 | 0.0000 | 77.599 | 1.07180 | 0.00000 | 789605.1 | 714710.1 | 0.0 | S |
| 56.575 | 0.0000 | 0.0000 | 77.598 | 1.07147 | 0.00000 | 789605.1 | 714742.3 | 0.0 | S |
| 56.583 | 0.0000 | 0.0000 | 77.597 | 1.07113 | 0.00000 | 789605.1 | 714774.4 | 0.0 | S |
| 56.592 | 0.0000 | 0.0000 | 77.596 | 1.07079 | 0.00000 | 789605.1 | 714806.6 | 0.0 | S |
| 56.600 | 0.0000 | 0.0000 | 77.595 | 1.07046 | 0.00000 | 789605.1 | 714838.6 | 0.0 | S |
| 56.608 | 0.0000 | 0.0000 | 77.594 | 1.07012 | 0.00000 | 789605.1 | 714870.8 | 0.0 | S |
| 56.617 | 0.0000 | 0.0000 | 77.593 | 1.06979 | 0.00000 | 789605.1 | 714902.9 | 0.0 | S |
| 56.625 | 0.0000 | 0.0000 | 77.592 | 1.06945 | 0.00000 | 789605.1 | 714934.9 | 0.0 | S |
| 56.633 | 0.0000 | 0.0000 | 77.591 | 1.06912 | 0.00000 | 789605.1 | 714967.0 | 0.0 | S |
| 56.642 | 0.0000 | 0.0000 | 77.590 | 1.06878 | 0.00000 | 789605.1 | 714999.1 | 0.0 | S |
| 56.650 | 0.0000 | 0.0000 | 77.589 | 1.06845 | 0.00000 | 789605.1 | 715031.1 | 0.0 | S |
| 56.658 | 0.0000 | 0.0000 | 77.588 | 1.06811 | 0.00000 | 789605.1 | 715063.2 | 0.0 | S |
| 56.667 | 0.0000 | 0.0000 | 77.587 | 1.06778 | 0.00000 | 789605.1 | 715095.3 | 0.0 | S |
| 56.675 | 0.0000 | 0.0000 | 77.586 | 1.06744 | 0.00000 | 789605.1 | 715127.3 | 0.0 | S |
| 56.683 | 0.0000 | 0.0000 | 77.585 | 1.06711 | 0.00000 | 789605.1 | 715159.3 | 0.0 | S |
| 56.692 | 0.0000 | 0.0000 | 77.584 | 1.06677 | 0.00000 | 789605.1 | 715191.3 | 0.0 | S |
| 56.700 | 0.0000 | 0.0000 | 77.583 | 1.06644 | 0.00000 | 789605.1 | 715223.3 | 0.0 | S |
| 56.708 | 0.0000 | 0.0000 | 77.582 | 1.06610 | 0.00000 | 789605.1 | 715255.3 | 0.0 | S |
| 56.717 | 0.0000 | 0.0000 | 77.581 | 1.06577 | 0.00000 | 789605.1 | 715287.3 | 0.0 | S |
| 56.725 | 0.0000 | 0.0000 | 77.580 | 1.06544 | 0.00000 | 789605.1 | 715319.3 | 0.0 | S |

# PONDS Version 3.2.0207 <br> Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E. 

Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 56.733 | 0.0000 | 0.0000 | 77.579 | 1.06510 | 0.00000 | 789605.1 | 715351.2 | 0.0 | S |
| 56.742 | 0.0000 | 0.0000 | 77.578 | 1.06477 | 0.00000 | 789605.1 | 715383.1 | 0.0 | S |
| 56.750 | 0.0000 | 0.0000 | 77.577 | 1.06444 | 0.00000 | 789605.1 | 715415.1 | 0.0 | S |
| 56.758 | 0.0000 | 0.0000 | 77.576 | 1.06410 | 0.00000 | 789605.1 | 715447.0 | 0.0 | S |
| 56.767 | 0.0000 | 0.0000 | 77.575 | 1.06377 | 0.00000 | 789605.1 | 715478.9 | 0.0 | S |
| 56.775 | 0.0000 | 0.0000 | 77.574 | 1.06344 | 0.00000 | 789605.1 | 715510.8 | 0.0 | S |
| 56.783 | 0.0000 | 0.0000 | 77.573 | 1.06310 | 0.00000 | 789605.1 | 715542.8 | 0.0 | S |
| 56.792 | 0.0000 | 0.0000 | 77.572 | 1.06277 | 0.00000 | 789605.1 | 715574.6 | 0.0 | S |
| 56.800 | 0.0000 | 0.0000 | 77.571 | 1.06244 | 0.00000 | 789605.1 | 715606.5 | 0.0 | S |
| 56.808 | 0.0000 | 0.0000 | 77.570 | 1.06211 | 0.00000 | 789605.1 | 715638.4 | 0.0 | S |
| 56.817 | 0.0000 | 0.0000 | 77.569 | 1.06177 | 0.00000 | 789605.1 | 715670.2 | 0.0 | S |
| 56.825 | 0.0000 | 0.0000 | 77.569 | 1.06144 | 0.00000 | 789605.1 | 715702.1 | 0.0 | S |
| 56.833 | 0.0000 | 0.0000 | 77.568 | 1.06111 | 0.00000 | 789605.1 | 715733.9 | 0.0 | S |
| 56.842 | 0.0000 | 0.0000 | 77.567 | $\uparrow .06078$ | 0.00000 | 789605.1 | 715765.8 | 0.0 | S |
| 56.850 | 0.0000 | 0.0000 | 77.566 | 1.06045 | 0.00000 | 789605.1 | 715797.6 | 0.0 | S |
| 56.858 | 0.0000 | 0.0000 | 77.565 | 1.06012 | 0.00000 | 789605.1 | 715829.4 | 0.0 | S |
| 56.867 | 0.0000 | 0.0000 | 77.564 | 1.05978 | 0.00000 | 789605.1 | 715861.1 | 0.0 | S |
| 56.875 | 0.0000 | 0.0000 | 77.563 | 1.05945 | 0.00000 | 789605.1 | 715892.9 | 0.0 | S |
| 56.883 | 0.0000 | 0.0000 | 77.562 | 1.05912 | 0.00000 | 789605.1 | 715924.8 | 0.0 | S |
| 56.892 | 0.0000 | 0.0000 | 77.561 | 1.05879 | 0.00000 | 789605.1 | 715956.5 | 0.0 | S |
| 56.900 | 0.0000 | 0.0000 | 77.560 | 1.05846 | 0.00000 | 789605.1 | 715988.3 | 0.0 | S |
| 56.908 | 0.0000 | 0.0000 | 77.559 | 1.05813 | 0.00000 | 789605.1 | 716020.0 | 0.0 | S |
| 56.917 | 0.0000 | 0.0000 | 77.558 | 1.05780 | 0.00000 | 789605.1 | 716051.8 | 0.0 | S |
| 56.925 | 0.0000 | 0.0000 | 77.557 | 1.05747 | 0.00000 | 789605.1 | 716083.4 | 0.0 | S |
| 56.933 | 0.0000 | 0.0000 | 77.556 | 1.05714 | 0.00000 | 789605.1 | 716115.2 | 0.0 | S |
| 56.942 | 0.0000 | 0.0000 | 77.555 | 1.05681 | 0.00000 | 789605.1 | 716146.9 | 0.0 | S |
| 56.950 | 0.0000 | 0.0000 | 77.554 | 1.05648 | 0.00000 | 789605.1 | 716178.6 | 0.0 | S |
| 56.958 | 0.0000 | 0.0000 | 77.553 | 1.05615 | 0.00000 | 789605.1 | 716210.3 | 0.0 | S |
| 56.967 | 0.0000 | 0.0000 | 77.552 | 1.05582 | 0.00000 | 789605.1 | 716241.9 | 0.0 | S |
| 56.975 | 0.0000 | 0.0000 | 77.551 | 1.05549 | 0.00000 | 789605.1 | 716273.6 | 0.0 | S |
| 56.983 | 0.0000 | 0.0000 | 77.550 | 1.05516 | 0.00000 | 789605.1 | 716305.3 | 0.0 | S |
| 56.992 | 0.0000 | 0.0000 | 77.549 | 1.05483 | 0.00000 | 789605.1 | 716336.9 | 0.0 | S |
| 57.000 | 0.0000 | 0.0000 | 77.548 | 1.05450 | 0.00000 | 789605.1 | 716368.6 | 0.0 | S |
| 57.008 | 0.0000 | 0.0000 | 77.547 | 1.05417 | 0.00000 | 789605.1 | 716400.2 | 0.0 | S |
| 57.017 | 0.0000 | 0.0000 | 77.546 | 1.05384 | 0.00000 | 789605.1 | 716431.8 | 0.0 | S |
| 57.025 | 0.0000 | 0.0000 | 77.545 | 1.05351 | 0.00000 | 789605.1 | 716463.4 | 0.0 | S |
| 57.033 | 0.0000 | 0.0000 | 77.544 | 1.05318 | 0.00000 | 789605.1 | 716495.1 | 0.0 | S |
| 57.042 | 0.0000 | 0.0000 | 77.543 | 1.05285 | 0.00000 | 789605.1 | 716526.6 | 0.0 | S |
| 57.050 | 0.0000 | 0.0000 | 77.542 | 1.05252 | 0.00000 | 789605.1 | 716558.2 | 0.0 | S |
| 57.058 | 0.0000 | 0.0000 | 77.541 | 1.05220 | 0.00000 | 789605.1 | 716589.8 | 0.0 | S |
| 57.067 | 0.0000 | 0.0000 | 77.540 | 1.05187 | 0.00000 | 789605.1 | 716621.4 | 0.0 | S |
| 57.075 | 0.0000 | 0.0000 | 77.539 | 1.05154 | 0.00000 | 789605.1 | 716652.9 | 0.0 | S |
| 57.083 | 0.0000 | 0.0000 | 77.538 | 1.05121 | 0.00000 | 789605.1 | 716684.4 | 0.0 | S |
| 57.092 | 0.0000 | 0.0000 | 77.537 | 1.05089 | 0.00000 | 789605.1 | 716716.0 | 0.0 | S |
| 57.100 | 0.0000 | 0.0000 | 77.536 | 1.05056 | 0.00000 | 789605.1 | 716747.5 | 0.0 | S |
| 57.108 | 0.0000 | 0.0000 | 77.535 | 1.05023 | 0.00000 | 789605.1 | 716779.0 | 0.0 | S |
| 57.117 | 0.0000 | 0.0000 | 77.534 | 1.04990 | 0.00000 | 789605.1 | 716810.5 | 0.0 | S |
| 57.125 | 0.0000 | 0.0000 | 77.533 | 1.04958 | 0.00000 | 789605.1 | 716842.0 | 0.0 | S |
| 57.133 | 0.0000 | 0.0000 | 77.532 | 1.04925 | 0.00000 | 789605.1 | 716873.5 | 0.0 | S |
| 57.142 | 0.0000 | 0.0000 | 77.531 | 1.04892 | 0.00000 | 789605.1 | 716904.9 | 0.0 | S |
| 57.150 | 0.0000 | 0.0000 | 77.530 | 1.04860 | 0.00000 | 789605.1 | 716936.4 | 0.0 | S |
| 57.158 | 0.0000 | 0.0000 | 77.529 | 1.04827 | 0.00000 | 789605.1 | 716967.9 | 0.0 | S |
| 57.167 | 0.0000 | 0.0000 | 77.528 | 1.04794 | 0.00000 | 789605.1 | 716999.3 | 0.0 | S |
| 57.175 | 0.0000 | 0.0000 | 77.527 | 1.04761 | 0.00000 | 789605.1 | 717030.8 | 0.0 | S |
| 57.183 | 0.0000 | 0.0000 | 77.526 | 1.04729 | 0.00000 | 789605.1 | 717062.2 | 0.0 | S |
| 57.192 | 0.0000 | 0.0000 | 77.525 | 1.04696 | 0.00000 | 789605.1 | 717093.6 | 0.0 | S |
| 57.200 | 0.0000 | 0.0000 | 77.524 | 1.04664 | 0.00000 | 789605.1 | 717125.0 | 0.0 | S |
| 57.208 | 0.0000 | 0.0000 | 77.523 | 1.04631 | 0.00000 | 789605.1 | 717156.4 | 0.0 | S |
| 57.217 | 0.0000 | 0.0000 | 77.522 | 1.04598 | 0.00000 | 789605.1 | 717187.8 | 0.0 | S |
| 57.225 | 0.0000 | 0.0000 | 77.521 | 1.04566 | 0.00000 | 789605.1 | 717219.1 | 0.0 | S |
| 57.233 | 0.0000 | 0.0000 | 77.520 | 1.04533 | 0.00000 | 789605.1 | 717250.5 | 0.0 | S |
| 57.242 | 0.0000 | 0.0000 | 77.520 | 1.04501 | 0.00000 | 789605.1 | 717281.9 | 0.0 | S |
| 57.250 | 0.0000 | 0.0000 | 77.519 | 1.04468 | 0.00000 | 789605.1 | 717313.2 | 0.0 | S |
| 57.258 | 0.0000 | 0.0000 | 77.518 | 1.04436 | 0.00000 | 789605.1 | 717344.6 | 0.0 | S |
| 57.267 | 0.0000 | 0.0000 | 77.517 | 1.04403 | 0.00000 | 789605.1 | 717375.9 | 0.0 | S |
| 57.275 | 0.0000 | 0.0000 | 77.516 | 1.04371 | 0.00000 | 789605.1 | 717407.2 | 0.0 | S |
| 57.283 | 0.0000 | 0.0000 | 77.515 | 1.04338 | 0.00000 | 789605.1 | 717438.5 | 0.0 | S |
| 57.292 | 0.0000 | 0.0000 | 77.514 | 1.04306 | 0.00000 | 789605.1 | 717469.8 | 0.0 | S |
| 57.300 | 0.0000 | 0.0000 | 77.513 | 1.04273 | 0.00000 | 789605.1 | 717501.1 | 0.0 | S |
| 57.308 | 0.0000 | 0.0000 | 77.512 | 1.04241 | 0.00000 | 789605.1 | 717532.4 | 0.0 | S |
| 57.317 | 0.0000 | 0.0000 | 77.511 | 1.04209 | 0.00000 | 789605.1 | 717563.6 | 0.0 | S |
| 57.325 | 0.0000 | 0.0000 | 77.510 | 1.04176 | 0.00000 | 789605.1 | 717594.9 | 0.0 | S |
| 57.333 | 0.0000 | 0.0000 | 77.509 | 4.04144 | 0.00000 | 789605.1 | 717626.1 | 0.0 | S |
| 57.342 | 0.0000 | 0.0000 | 77.508 | 1.04111 | 0.00000 | 789605.1 | 717657.4 | 0.0 | S |

# PONDS Version 3.2.0207 <br> Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E. 

Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate $\left(f^{3} / 3\right)$ | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 57.350 | 0.0000 | 0.0000 | 77.507 | 1.04079 | 0.00000 | 789605.1 | 717688.6 | 0.0 | S |
| 57.358 | 0.0000 | 0.0000 | 77.506 | 1.04047 | 0.00000 | 789605.1 | 717719.8 | 0.0 | S |
| 57.367 | 0.0000 | 0.0000 | 77.505 | 1.04014 | 0.00000 | 789605.1 | 717751.0 | 0.0 | S |
| 57.375 | 0.0000 | 0.0000 | 77.504 | 1.03982 | 0.00000 | 789605.1 | 717782.2 | 0.0 | S |
| 57.383 | 0.0000 | 0.0000 | 77.503 | 1.03950 | 0.00000 | 789605.1 | 717813.4 | 0.0 | S |
| 57.392 | 0.0000 | 0.0000 | 77.502 | 1.03917 | 0.00000 | 789605.1 | 717844.6 | 0.0 | S |
| 57.400 | 0.0000 | 0.0000 | 77.501 | 1.03885 | 0.00000 | 789605.1 | 717875.8 | 0.0 | S |
| 57.408 | 0.0000 | 0.0000 | 77.500 | 1.03853 | 0.00000 | 789605.1 | 717906.9 | 0.0 | S |
| 57.417 | 0.0000 | 0.0000 | 77.499 | 1.03820 | 0.00000 | 789605.1 | 717938.1 | 0.0 | S |
| 57.425 | 0.0000 | 0.0000 | 77.498 | 1.03788 | 0.00000 | 789605.1 | 717969.2 | 0.0 | S |
| 57.433 | 0.0000 | 0.0000 | 77.497 | 1.03756 | 0.00000 | 789605.1 | 718000.3 | 0.0 | S |
| 57.442 | 0.0000 | 0.0000 | 77.496 | 1.03724 | 0.00000 | 789605.1 | 718031.4 | 0.0 | S |
| 57.450 | 0.0000 | 0.0000 | 77.495 | 1.03691 | 0.00000 | 789605.1 | 718062.6 | 0.0 | S |
| 57.458 | 0.0000 | 0.0000 | 77.494 | 1.03659 | 0.00000 | 789605.1 | 718093.7 | 0.0 | S |
| 57.467 | 0.0000 | 0.0000 | 77.493 | 1.03627 | 0.00000 | 789605.1 | 718124.8 | 0.0 | S |
| 57.475 | 0.0000 | 0.0000 | 77.492 | 1.03595 | 0.00000 | 789605.1 | 718155.9 | 0.0 | S |
| 57.483 | 0.0000 | 0.0000 | 77.491 | 1.03563 | 0.00000 | 789605.1 | 718186.9 | 0.0 | S |
| 57.492 | 0.0000 | 0.0000 | 77.490 | 1.03530 | 0.00000 | 789605.1 | 718218.0 | 0.0 | S |
| 57.500 | 0.0000 | 0.0000 | 77.489 | 1.03498 | 0.00000 | 789605.1 | 718249.1 | 0.0 | S |
| 57.508 | 0.0000 | 0.0000 | 77.488 | 1.03466 | 0.00000 | 789605.1 | 718280.1 | 0.0 | S |
| 57.517 | 0.0000 | 0.0000 | 77.487 | 1.03434 | 0.00000 | 789605.1 | 718311.1 | 0.0 | S |
| 57.525 | 0.0000 | 0.0000 | 77.486 | 1.03402 | 0.00000 | 789605.1 | 718342.1 | 0.0 | S |
| 57.533 | 0.0000 | 0.0000 | 77.485 | 1.03370 | 0.00000 | 789605.1 | 718373.2 | 0.0 | S |
| 57.542 | 0.0000 | 0.0000 | 77.484 | 1.03338 | 0.00000 | 789605.1 | 718404.2 | 0.0 | S |
| 57.550 | 0.0000 | 0.0000 | 77.483 | 1.03306 | 0.00000 | 789605.1 | 718435.2 | 0.0 | S |
| 57.558 | 0.0000 | 0.0000 | 77.482 | 1.03274 | 0.00000 | 789605.1 | 718466.1 | 0.0 | S |
| 57.567 | 0.0000 | 0.0000 | 77.481 | 1.03242 | 0.00000 | 789605.1 | 718497.1 | 0.0 | S |
| 57.575 | 0.0000 | 0.0000 | 77.480 | 1.03209 | 0.00000 | 789605.1 | 718528.1 | 0.0 | S |
| 57.583 | 0.0000 | 0.0000 | 77.480 | 1.03177 | 0.00000 | 789605.1 | 718559.1 | 0.0 | S |
| 57.592 | 0.0000 | 0.0000 | 77.479 | 1.03145 | 0.00000 | 789605.1 | 718590.0 | 0.0 | S |
| 57.600 | 0.0000 | 0.0000 | 77.478 | 1.03113 | 0.00000 | 789605.1 | 718620.9 | 0.0 | S |
| 57.608 | 0.0000 | 0.0000 | 77.477 | 1.03082 | 0.00000 | 789605.1 | 718651.9 | 0.0 | S |
| 57.617 | 0.0000 | 0.0000 | 77.476 | 1.03050 | 0.00000 | 789605.1 | 718682.8 | 0.0 | S |
| 57.625 | 0.0000 | 0.0000 | 77.475 | 1.03017 | 0.00000 | 789605.1 | 718713.7 | 0.0 | S |
| 57.633 | 0.0000 | 0.0000 | 77.474 | 1.02986 | 0.00000 | 789605.1 | 718744.6 | 0.0 | S |
| 57.642 | 0.0000 | 0.0000 | 77.473 | 1.02954 | 0.00000 | 789605.1 | 718775.5 | 0.0 | S |
| 57.650 | 0.0000 | 0.0000 | 77.472 | 1.02922 | 0.00000 | 789605.1 | 718806.4 | 0.0 | S |
| 57.658 | 0.0000 | 0.0000 | 77.471 | 1.02890 | 0.00000 | 789605.1 | 718837.3 | 0.0 | S |
| 57.667 | 0.0000 | 0.0000 | 77.470 | 1.02858 | 0.00000 | 789605.1 | 718868.1 | 0.0 | S |
| 57.675 | 0.0000 | 0.0000 | 77.469 | 1.02826 | 0.00000 | 789605.1 | 718898.9 | 0.0 | S |
| 57.683 | 0.0000 | 0.0000 | 77.468 | 1.02794 | 0.00000 | 789605.1 | 718929.8 | 0.0 | S |
| 57.692 | 0.0000 | 0.0000 | 77.467 | 1.02762 | 0.00000 | 789605.1 | 718960.6 | 0.0 | S |
| 57.700 | 0.0000 | 0.0000 | 77.466 | 1.02731 | 0.00000 | 789605.1 | 718991.4 | 0.0 | S |
| 57.708 | 0.0000 | 0.0000 | 77.465 | 1.02699 | 0.00000 | 789605.1 | 719022.3 | 0.0 | S |
| 57.717 | 0.0000 | 0.0000 | 77.464 | 1.02667 | 0.00000 | 789605.1 | 719053.1 | 0.0 | S |
| 57.725 | 0.0000 | 0.0000 | 77.463 | 1.02635 | 0.00000 | 789605.1 | 719083.9 | 0.0 | S |
| 57.733 | 0.0000 | 0.0000 | 77.462 | 1.02603 | 0.00000 | 789605.1 | 719114.7 | 0.0 | S |
| 57.742 | 0.0000 | 0.0000 | 77.461 | 1.02572 | 0.00000 | 789605.1 | 719145.4 | 0.0 | S |
| 57.750 | 0.0000 | 0.0000 | 77.460 | 1.02540 | 0.00000 | 789605.1 | 719176.2 | 0.0 | S |
| 57.758 | 0.0000 | 0.0000 | 77.459 | 1.02508 | 0.00000 | 789605.1 | 719206.9 | 0.0 | S |
| 57.767 | 0.0000 | 0.0000 | 77.458 | 1.02476 | 0.00000 | 789605.1 | 719237.7 | 0.0 | S |
| 57.775 | 0.0000 | 0.0000 | 77.457 | 1.02445 | 0.00000 | 789605.1 | 719268.4 | 0.0 | S |
| 57.783 | 0.0000 | 0.0000 | 77.456 | 1.02413 | 0.00000 | 789605.1 | 719299.2 | 0.0 | S |
| 57.792 | 0.0000 | 0.0000 | 77.455 | 1.02381 | 0.00000 | 789605.1 | 719329.9 | 0.0 | S |
| 57.800 | 0.0000 | 0.0000 | 77.454 | 1.02350 | 0.00000 | 789605.1 | 719360.6 | 0.0 | S |
| 57.808 | 0.0000 | 0.0000 | 77.453 | 1.02318 | 0.00000 | 789605.1 | 719391.3 | 0.0 | S |
| 57.817 | 0.0000 | 0.0000 | 77.452 | 1.02286 | 0.00000 | 789605.1 | 719422.0 | 0.0 | S |
| 57.825 | 0.0000 | 0.0000 | 77.451 | 1.02255 | 0.00000 | 789605.1 | 719452.7 | 0.0 | S |
| 57.833 | 0.0000 | 0.0000 | 77.450 | 1.02223 | 0.00000 | 789605.1 | 779483.4 | 0.0 | S |
| 57.842 | 0.0000 | 0.0000 | 77.449 | 1.02191 | 0.00000 | 789605.1 | 719514.0 | 0.0 | S |
| 57.850 | 0.0000 | 0.0000 | 77.448 | 1.02160 | 0.00000 | 789605.1 | 719544.7 | 0.0 | S |
| 57.858 | 0.0000 | 0.0000 | 77.447 | 1.02128 | 0.00000 | 789605.1 | 719575.3 | 0.0 | S |
| 57.867 | 0.0000 | 0.0000 | 77.446 | 1.02097 | 0.00000 | 789605.1 | 719605.9 | 0.0 | S |
| 57.875 | 0.0000 | 0.0000 | 77.445 | 1.02065 | 0.00000 | 789605.1 | 719636.6 | 0.0 | S |
| 57.883 | 0.0000 | 0.0000 | 77.445 | 1.02033 | 0.00000 | 789605.1 | 719667.2 | 0.0 | S |
| 57.892 | 0.0000 | 0.0000 | 77.444 | 1.02002 | 0.00000 | 789605.1 | 719697.8 | 0.0 | S |
| 57.900 | 0.0000 | 0.0000 | 77.443 | 1.01970 | 0.00000 | 789605.1 | 719728.4 | 0.0 | S |
| 57.908 | 0.0000 | 0.0000 | 77.442 | 1.01939 | 0.00000 | 789605.1 | 719758.9 | 0.0 | S |
| 57.917 | 0.0000 | 0.0000 | 77.441 | 1.01907 | 0.00000 | 789605.1 | 719789.6 | 0.0 | S |
| 57.925 | 0.0000 | 0.0000 | 77.440 | 1.01876 | 0.00000 | 789605.1 | 719820.1 | 0.0 | S |
| 57.933 | 0.0000 | 0.0000 | 77.439 | 1.01844 | 0.00000 | 789605.1 | 719850.7 | 0.0 | S |
| 57.942 | 0.0000 | 0.0000 | 77.438 | 1.01813 | 0.00000 | 789605.1 | 719881.2 | 0.0 | S |
| 57.950 | 0.0000 | 0.0000 | 77.437 | 1.01781 | 0.00000 | 789605.1 | 719911.8 | 0.0 | S |
| 57.958 | 0.0000 | 0.0000 | 77.436 | 1.01750 | 0.00000 | 789605.1 | 719942.3 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 5100 yr/24 hr

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (fiday) | Stage Elevation (f datum) | mfilltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge $\left(\mathrm{ft}^{3} / \mathrm{s}\right)$ | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{fl}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 57.967 | 0.0000 | 0.0000 | 77.435 | 1.01718 | 0.00000 | 789605.1 | 719972.8 | 0.0 | S |
| 57.975 | 0.0000 | 0.0000 | 77.434 | 1.01687 | 0.00000 | 789605.1 | 720003.3 | 0.0 | S |
| 57.983 | 0.0000 | 0.0000 | 77.433 | 1.01656 | 0.00000 | 789605.1 | 720033.8 | 0.0 | S |
| 57.992 | 0.0000 | 0.0000 | 77.432 | 1.01624 | 0.00000 | 789605.1 | 720064.3 | 0.0 | S |
| 58.000 | 0.0000 | 0.0000 | 77.431 | 1.01593 | 0.00000 | 789605.1 | 720094.8 | 0.0 | S |
| 58.008 | 0.0000 | 0.0000 | 77.430 | 1.01561 | 0.00000 | 789605.1 | 720125.3 | 0.0 | S |
| 58.017 | 0.0000 | 0.0000 | 77.429 | 1.01530 | 0.00000 | 789605.1 | 720155.8 | 0.0 | S |
| 58.025 | 0.0000 | 0.0000 | 77.428 | 1.01499 | 0.00000 | 789605.1 | 720186.2 | 0.0 | S |
| 58.033 | 0.0000 | 0.0000 | 77.427 | 1.01467 | 0.00000 | 789605.1 | 720216.6 | 0.0 | S |
| 58.042 | 0.0000 | 0.0000 | 77.426 | 1.01436 | 0.00000 | 789605.1 | 720247.1 | 0.0 | S |
| 58.050 | 0.0000 | 0.0000 | 77.425 | 1.01405 | 0.00000 | 789605.1 | 720277.5 | 0.0 | S |
| 58.058 | 0.0000 | 0.0000 | 77.424 | 1.01373 | 0.00000 | 789605.1 | 720307.9 | 0.0 | S |
| 58.067 | 0.0000 | 0.0000 | 77.423 | 1.01342 | 0.00000 | 789605.1 | 720338.3 | 0.0 | S |
| 58.075 | 0.0000 | 0.0000 | 77.422 | 1.01311 | 0.00000 | 789605.1 | 720368.7 | 0.0 | S |
| 58.083 | 0.0000 | 0.0000 | 77.421 | 1.01280 | 0.00000 | 789605.1 | 720399.1 | 0.0 | S |
| 58.092 | 0.0000 | 0.0000 | 77.420 | 1.01248 | 0.00000 | 789605.1 | 720429.5 | 0.0 | S |
| 58.100 | 0.0000 | 0.0000 | 77.419 | 1.01217 | 0.00000 | 789605.1 | 720459.9 | 0.0 | S |
| 58.108 | 0.0000 | 0.0000 | 77.418 | 1.01186 | 0.00000 | 789605.1 | 720490.2 | 0.0 | S |
| 58.117 | 0.0000 | 0.0000 | 77.417 | 1.01155 | 0.00000 | 789605.1 | 720520.6 | 0.0 | S |
| 58.125 | 0.0000 | 0.0000 | 77.416 | 1.01423 | 0.00000 | 789605.1 | 720550.9 | 0.0 | S |
| 58.133 | 0.0000 | 0.0000 | 77.415 | 1.01092 | 0.00000 | 789605.1 | 720581.3 | 0.0 | S |
| 58.142 | 0.0000 | 0.0000 | 77.414 | 1.01061 | 0.00000 | 789605.1 | 720611.6 | 0.0 | S |
| 58.150 | 0.0000 | 0.0000 | 77.413 | 1.01030 | 0.00000 | 789605.1 | 720641.9 | 0.0 | S |
| 58.158 | 0.0000 | 0.0000 | 77.413 | 1.00999 | 0.00000 | 789605.1 | 720672.2 | 0.0 | S |
| 58.167 | 0.0000 | 0.0000 | 77.412 | 1.00968 | 0.00000 | 789605.1 | 720702.5 | 0.0 | S |
| 58.175 | 0.0000 | 0.0000 | 77.411 | 1.00937 | 0.00000 | 789605.1 | 720732.8 | 0.0 | S |
| 58.183 | 0.0000 | 0.0000 | 77.410 | 1.00905 | 0.00000 | 789605.1 | 720763.1 | 0.0 | S |
| 58.192 | 0.0000 | 0.0000 | 77.409 | 1.00874 | 0.00000 | 789605.7 | 720793.3 | 0.0 | S |
| 58.200 | 0.0000 | 0.0000 | 77.408 | 1.00843 | 0.00000 | 789605.1 | 720823.6 | 0.0 | S |
| 58.208 | 0.0000 | 0.0000 | 77.407 | 1.00812 | 0.00000 | 789605.1 | 720853.8 | 0.0 | S |
| 58.217 | 0.0000 | 0.0000 | 77.406 | 1.00781 | 0.00000 | 789605.1 | 720884.1 | 0.0 | S |
| 58.225 | 0.0000 | 0.0000 | 77.405 | 1.00750 | 0.00000 | 789605.1 | 720914.3 | 0.0 | S |
| 58.233 | 0.0000 | 0.0000 | 77.404 | 1.00719 | 0.00000 | 789605.1 | 720944.5 | 0.0 | S |
| 58.242 | 0.0000 | 0.0000 | 77.403 | 1.00688 | 0.00000 | 789605.1 | 720974.7 | 0.0 | S |
| 58.250 | 0.0000 | 0.0000 | 77.402 | 1.00657 | 0.00000 | 789605.1 | 721004.9 | 0.0 | S |
| 58.258 | 0.0000 | 0.0000 | 77.401 | 1.00626 | 0.00000 | 789605.1 | 721035.1 | 0.0 | S |
| 58.267 | 0.0000 | 0.0000 | 77.400 | 1.00595 | 0.00000 | 789605.1 | 721065.3 | 0.0 | S |
| 58.275 | 0.0000 | 0.0000 | 77.399 | 1.00564 | 0.00000 | 789605.1 | 721095.4 | 0.0 | S |
| 58.283 | 0.0000 | 0.0000 | 77.398 | 1.00533 | 0.00000 | 789605.1 | 721125.6 | 0.0 | S |
| 58.292 | 0.0000 | 0.0000 | 77.397 | 1.00502 | 0.00000 | 789605.1 | 721155.8 | 0.0 | S |
| 58.300 | 0.0000 | 0.0000 | 77.396 | 1.00471 | 0.00000 | 789605.1 | 721185.9 | 0.0 | S |
| 58.308 | 0.0000 | 0.0000 | 77.395 | 1.00440 | 0.00000 | 789605.1 | 721216.1 | 0.0 | S |
| 58.317 | 0.0000 | 0.0000 | 77.394 | 1.00409 | 0.00000 | 789605.1 | 721246.2 | 0.0 | S |
| 58.325 | 0.0000 | 0.0000 | 77.393 | 1.00378 | 0.00000 | 789605.1 | 721276.3 | 0.0 | S |
| 58.333 | 0.0000 | 0.0000 | 77.392 | 1.00347 | 0.00000 | 789605.1 | 721306.4 | 0.0 | S |
| 58.342 | 0.0000 | 0.0000 | 77.391 | 1.00317 | 0.00000 | 789605.1 | 721336.5 | 0.0 | S |
| 58.350 | 0.0000 | 0.0000 | 77.390 | 1.00286 | 0.00000 | 789605.1 | 721366.6 | 0.0 | S |
| 58.358 | 0.0000 | 0.0000 | 77.389 | 1.00255 | 0.00000 | 789605.1 | 721396.7 | 0.0 | S |
| 58.367 | 0.0000 | 0.0000 | 77.388 | 1.00224 | 0.00000 | 789605.1 | 721426.8 | 0.0 | S |
| 58.375 | 0.0000 | 0.0000 | 77.387 | 1.00193 | 0.00000 | 789605.1 | 721456.8 | 0.0 | S |
| 58.383 | 0.0000 | 0.0000 | 77.386 | 1.00162 | 0.00000 | 789605.1 | 721486.9 | 0.0 | S |
| 58.392 | 0.0000 | 0.0000 | 77.385 | 1.00131 | 0.00000 | 789605.1 | 721516.9 | 0.0 | S |
| 58.400 | 0.0000 | 0.0000 | 77.385 | 1.00101 | 0.00000 | 789605.1 | 721546.9 | 0.0 | S |
| 58.408 | 0.0000 | 0.0000 | 77.384 | 1.00070 | 0.00000 | 789605.1 | 721577.0 | 0.0 | S |
| 58.417 | 0.0000 | 0.0000 | 77.383 | 1.00039 | 0.00000 | 789605.1 | 721607.0 | 0.0 | S |
| 58.425 | 0.0000 | 0.0000 | 77.382 | 1.00008 | 0.00000 | 789605.1 | 721637.0 | 0.0 | S |
| 58.433 | 0.0000 | 0.0000 | 77.381 | 0.99977 | 0.00000 | 789605.1 | 721667.0 | 0.0 | S |
| 58.442 | 0.0000 | 0.0000 | 77.380 | 0.99947 | 0.00000 | 789605.1 | 721697.0 | 0.0 | S |
| 58.450 | 0.0000 | 0.0000 | 77.379 | 0.99916 | 0.00000 | 789605.1 | 721726.9 | 0.0 | S |
| 58.458 | 0.0000 | 0.0000 | 77.378 | 0.99885 | 0.00000 | 789605.1 | 721756.9 | 0.0 | S |
| 58.467 | 0.0000 | 0.0000 | 77.377 | 0.99854 | 0.00000 | 789605.1 | 721786.9 | 0.0 | S |
| 58.475 | 0.0000 | 0.0000 | 77.376 | 0.99824 | 0.00000 | 789605.1 | 721816.9 | 0.0 | S |
| 58.483 | 0.0000 | 0.0000 | 77.375 | 0.99793 | 0.00000 | 789605.1 | 721846.8 | 0.0 | S |
| 58.492 | 0.0000 | 0.0000 | 77.374 | 0.99762 | 0.00000 | 789605.1 | 721876.8 | 0.0 | S |
| 58.500 | 0.0000 | 0.0000 | 77.373 | 0.99732 | 0.00000 | 789605.1 | 721906.6 | 0.0 | S |
| 58.508 | 0.0000 | 0.0000 | 77.372 | 0.99701 | 0.00000 | 789605.1 | 721936.6 | 0.0 | S |
| 58.517 | 0.0000 | 0.0000 | 77.371 | 0.99670 | 0.00000 | 789605.1 | 721966.5 | 0.0 | S |
| 58.525 | 0.0000 | 0.0000 | 77.370 | 0.99640 | 0.00000 | 789605.1 | 721996.4 | 0.0 | S |
| 58.533 | 0.0000 | 0.0000 | 77.369 | 0.99609 | 0.00000 | 789605.1 | 722026.3 | 0.0 | S |
| 58.542 | 0.0000 | 0.0000 | 77.368 | 0.99579 | 0.00000 | 789605.1 | 722056.1 | 0.0 | S |
| 58.550 | 0.0000 | 0.0000 | 77.367 | 0.99548 | 0.00000 | 789605.1 | 722086.0 | 0.0 | S |
| 58.558 | 0.0000 | 0.0000 | 77.366 | 0.99517 | 0.00000 | 789605.1 | 722115.9 | 0.0 | S |
| 58.567 | 0.0000 | 0.0000 | 77.365 | 0.99487 | 0.00000 | 789605.1 | 722145.7 | 0.0 | S |
| 58.575 | 0.0000 | 0.0000 | 77.364 | 0.99456 | 0.00000 | 789605.1 | 722175.6 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) $\because:$ Scenario $1: \therefore$ Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infilltration Rate ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{ff}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 58.583 | 0.0000 | 0.0000 | 77.363 | 0.99426 | 0.00000 | 789605.1 | 722205.4 | 0.0 | S |
| 58.592 | 0.0000 | 0.0000 | 77.362 | 0.99395 | 0.00000 | 789605.1 | 722235.2 | 0.0 | S |
| 58.600 | 0.0000 | 0.0000 | 77.361 | 0.99365 | 0.00000 | 789605.1 | 722265.0 | 0.0 | S |
| 58.608 | 0.0000 | 0.0000 | 77.360 | 0.99334 | 0.00000 | 789605.1 | 722294.8 | 0.0 | S |
| 58.617 | 0.0000 | 0.0000 | 77.359 | 0.99304 | 0.00000 | 789605.1 | 722324.6 | 0.0 | S |
| 58.625 | 0.0000 | 0.0000 | 77.358 | 0.99273 | 0.00000 | 789605.1 | 722354.4 | 0.0 | S |
| 58.633 | 0.0000 | 0.0000 | 77.358 | 0.99243 | 0.00000 | 789605.1 | 722384.2 | 0.0 | S |
| 58.642 | 0.0000 | 0.0000 | 77.357 | 0.99212 | 0.00000 | 789605.1 | 722413.9 | 0.0 | S |
| 58.650 | 0.0000 | 0.0000 | 77.356 | 0.99182 | 0.00000 | 789605.1 | 722443.7 | 0.0 | S |
| 58.658 | 0.0000 | 0.0000 | 77.355 | 0.99151 | 0.00000 | 789605.1 | 722473.4 | 0.0 | S |
| 58.667 | 0.0000 | 0.0000 | 77.354 | 0.99121 | 0.00000 | 789605.1 | 722503.2 | 0.0 | S |
| 58.675 | 0.0000 | 0.0000 | 77.353 | 0.99091 | 0.00000 | 789605.1 | 722532.9 | 0.0 | S |
| 58.683 | 0.0000 | 0.0000 | 77.352 | 0.99060 | 0.00000 | 789605.1 | 722562.7 | 0.0 | S |
| 58.692 | 0.0000 | 0.0000 | 77.351 | 0.99030 | 0.00000 | 789605.1 | 722592.4 | 0.0 | S |
| 58.700 | 0.0000 | 0.0000 | 77.350 | 0.98999 | 0.00000 | 789605.1 | 722622.1 | 0.0 | S |
| 58.708 | 0.0000 | 0.0000 | 77.349 | 0.98969 | 0.00000 | 789605.1 | 722651.8 | 0.0 | S |
| 58.717 | 0.0000 | 0.0000 | 77.348 | 0.98939 | 0.00000 | 789605.1 | 722681.4 | 0.0 | S |
| 58.725 | 0.0000 | 0.0000 | 77.347 | 0.98908 | 0.00000 | 789605.1 | 722711.1 | 0.0 | S |
| 58.733 | 0.0000 | 0.0000 | 77.346 | 0.98878 | 0.00000 | 789605.1 | 722740.8 | 0.0 | S |
| 58.742 | 0.0000 | 0.0000 | 77.345 | 0.98848 | 0.00000 | 789605.1 | 722770.4 | 0.0 | S |
| 58.750 | 0.0000 | 0.0000 | 77.344 | 0.98817 | 0.00000 | 789605.1 | 722800.1 | 0.0 | S |
| 58.758 | 0.0000 | 0.0000 | 77.343 | 0.98787 | 0.00000 | 789605.1 | 722829.8 | 0.0 | S |
| 58.767 | 0.0000 | 0.0000 | 77.342 | 0.98757 | 0.00000 | 789605.1 | 722859.4 | 0.0 | S |
| 58.775 | 0.0000 | 0.0000 | 77.341 | 0.98727 | 0.00000 | 789605.1 | 722889.0 | 0.0 | S |
| 58.783 | 0.0000 | 0.0000 | 77.340 | 0.98696 | 0.00000 | 789605.1 | 722918.6 | 0.0 | S |
| 58.792 | 0.0000 | 0.0000 | 77.339 | 0.98666 | 0.00000 | 789605.1 | 722948.3 | 0.0 | S |
| 58.800 | 0.0000 | 0.0000 | 77.338 | 0.98636 | 0.00000 | 789605.1 | 722977.8 | 0.0 | S |
| 58.808 | 0.0000 | 0.0000 | 77.337 | 0.98605 | 0.00000 | 789605.1 | 723007.4 | 0.0 | S |
| 58.817 | 0.0000 | 0.0000 | 77.336 | 0.98575 | 0.00000 | 789605.1 | 723037.0 | 0.0 | S |
| 58.825 | 0.0000 | 0.0000 | 77.335 | 0.98545 | 0.00000 | 789605.1 | 723066.6 | 0.0 | S |
| 58.833 | 0.0000 | 0.0000 | 77.334 | 0.98515 | 0.00000 | 789605.1 | 723096.1 | 0.0 | S |
| 58.842 | 0.0000 | 0.0000 | 77.333 | 0.98485 | 0.00000 | 789605.1 | 723125.7 | 0.0 | S |
| 58.850 | 0.0000 | 0.0000 | 77.332 | 0.98455 | 0.00000 | 789605.1 | 723155.2 | 0.0 | S |
| 58.858 | 0.0000 | 0.0000 | 77.332 | 0.98424 | 0.00000 | 789605.1 | 723184.8 | 0.0 | S |
| 58.867 | 0.0000 | 0.0000 | 77.331 | 0.98394 | 0.00000 | 789605.1 | 723214.3 | 0.0 | S |
| 58.875 | 0.0000 | 0.0000 | 77.330 | 0.98364 | 0.00000 | 789605.1 | 723243.8 | 0.0 | S |
| 58.883 | 0.0000 | 0.0000 | 77.329 | 0.98334 | 0.00000 | 789605.1 | 723273.3 | 0.0 | S |
| 58.892 | 0.0000 | 0.0000 | 77.328 | 0.98304 | 0.00000 | 789605.1 | 723302.8 | 0.0 | S |
| 58.900 | 0.0000 | 0.0000 | 77.327 | 0.98274 | 0.00000 | 789605.1 | 723332.3 | 0.0 | S |
| 58.908 | 0.0000 | 0.0000 | 77.326 | 0.98244 | 0.00000 | 789605.1 | 723361.8 | 0.0 | S |
| 58.917 | 0.0000 | 0.0000 | 77.325 | 0.98213 | 0.00000 | 789605.1 | 723391.2 | 0.0 | S |
| 58.925 | 0.0000 | 0.0000 | 77.324 | 0.98184 | 0.00000 | 789605.1 | 723420.7 | 0.0 | S |
| 58.933 | 0.0000 | 0.0000 | 77.323 | 0.98153 | 0.00000 | 789605.1 | 723450.1 | 0.0 | S |
| 58.942 | 0.0000 | 0.0000 | 77.322 | 0.98123 | 0.00000 | 789605.1 | 723479.6 | 0.0 | S |
| 58.950 | 0.0000 | 0.0000 | 77.321 | 0.98093 | 0.00000 | 789605.1 | 723509.0 | 0.0 | S |
| 58.958 | 0.0000 | 0.0000 | 77.320 | 0.98063 | 0.00000 | 789605.1 | 723538.4 | 0.0 | S |
| 58.967 | 0.0000 | 0.0000 | 77.319 | 0.98033 | 0.00000 | 789605.1 | 723567.8 | 0.0 | S |
| 58.975 | 0.0000 | 0.0000 | 77.318 | 0.98003 | 0.00000 | 789605.1 | 723597.3 | 0.0 | S |
| 58.983 | 0.0000 | 0.0000 | 77.317 | 0.97973 | 0.00000 | 789605.1 | 723626.6 | 0.0 | S |
| 58.992 | 0.0000 | 0.0000 | 77.316 | 0.97943 | 0.00000 | 789605.1 | 723656.0 | 0.0 | S |
| 59.000 | 0.0000 | 0.0000 | 77.315 | 0.97913 | 0.00000 | 789605.1 | 723685.4 | 0.0 | S |
| 59.008 | 0.0000 | 0.0000 | 77.314 | 0.97883 | 0.00000 | 789605.1 | 723714.8 | 0.0 | S |
| 59.017 | 0.0000 | 0.0000 | 77.313 | 0.97853 | 0.00000 | 789605.1 | 723744.1 | 0.0 | S |
| 59.025 | 0.0000 | 0.0000 | 77.312 | 0.97824 | 0.00000 | 789605.1 | 723773.5 | 0.0 | S |
| 59.033 | 0.0000 | 0.0000 | 77.311 | 0.97794 | 0.00000 | 789605.1 | 723802.8 | 0.0 | S |
| 59.042 | 0.0000 | 0.0000 | 77.310 | 0.97764 | 0.00000 | 789605.1 | 723832.1 | 0.0 | S |
| 59.050 | 0.0000 | 0.0000 | 77.309 | 0.97734 | 0.00000 | 789605.1 | 723861.5 | 0.0 | S |
| 59.058 | 0.0000 | 0.0000 | 77.308 | 0.97704 | 0.00000 | 789605.1 | 723890.8 | 0.0 | S |
| 59.067 | 0.0000 | 0.0000 | 77.308 | 0.97674 | 0.00000 | 789605.1 | 723920.1 | 0.0 | S |
| 59.075 | 0.0000 | 0.0000 | 77.307 | 0.97644 | 0.00000 | 789605.1 | 723949.4 | 0.0 | S |
| 59.083 | 0.0000 | 0.0000 | 77.306 | 0.97614 | 0.00000 | 789605.1 | 723978.7 | 0.0 | S |
| 59.092 | 0.0000 | 0.0000 | 77.305 | 0.97584 | 0.00000 | 789605.1 | 724007.9 | 0.0 | S |
| 59.100 | 0.0000 | 0.0000 | 77.304 | 0.97555 | 0.00000 | 789605.1 | 724037.3 | 0.0 | S |
| 59.108 | 0.0000 | 0.0000 | 77.303 | 0.97525 | 0.00000 | 789605.1 | 724066.5 | 0.0 | S |
| 59.117 | 0.0000 | 0.0000 | 77.302 | 0.97495 | 0.00000 | 789605.1 | 724095.8 | 0.0 | S |
| 59.125 | 0.0000 | 0.0000 | 77.301 | 0.97465 | 0.00000 | 789605.1 | 724125.0 | 0.0 | S |
| 59.133 | 0.0000 | 0.0000 | 77.300 | 0.97435 | 0.00000 | 789605.1 | 724154.3 | 0.0 | S |
| 59.142 | 0.0000 | 0.0000 | 77.299 | 0.97406 | 0.00000 | 789605.1 | 724183.4 | 0.0 | S |
| 59.150 | 0.0000 | 0.0000 | 77.298 | 0.97376 | 0.00000 | 789605.1 | 724212.7 | 0.0 | S |
| 59.158 | 0.0000 | 0.0000 | 77.297 | 0.97346 | 0.00000 | 789605.1 | 724241.9 | 0.0 | S |
| 59.167 | 0.0000 | 0.0000 | 77.296 | 0.97316 | 0.00000 | 789605.1 | 724271.1 | 0.0 | S |
| 59.175 | 0.0000 | 0.0000 | 77.295 | 0.97287 | 0.00000 | 789605.1 | 724300.3 | 0.0 | S |
| 59.183 | 0.0000 | 0.0000 | 77.294 | 0.97257 | 0.00000 | 789605.1 | 724329.4 | 0.0 | S |
| 59.192 | 0.0000 | 0.0000 | 77.293 | 0.97227 | 0.00000 | 789605.1 | 724358.6 | 0.0 | S |

# PONDS Version 3.2.0207 

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: Pond 5100 yr/24 hr

| Elapsed Time (hours) | Inflow <br> Rate <br> (f $\mathrm{f}^{3 / 5}$ ) | Outside <br> Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate (ft ${ }^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Cumulative Inflow Vofume ( $\mathrm{fl}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{t}^{3}$ ) | Cumulative <br> Discharge <br> Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 59.200 | 0.0000 | 0.0000 | 77.292 | 0.97198 | 0.00000 | 789605.1 | 724387.8 | 0.0 | S |
| 59.208 | 0.0000 | 0.0000 | 77.291 | 0.97168 | 0.00000 | 789605.1 | 724416.9 | 0.0 | S |
| 59.217 | 0.0000 | 0.0000 | 77.290 | 0.97138 | 0.00000 | 789605.1 | 724446.1 | 0.0 | S |
| 59.225 | 0.0000 | 0.0000 | 77.289 | 0.97109 | 0.00000 | 789605.1 | 724475.3 | 0.0 | S |
| 59.233 | 0.0000 | 0.0000 | 77.288 | 0.97079 | 0.00000 | 789605.1 | 724504.4 | 0.0 | S |
| 59.242 | 0.0000 | 0.0000 | 77.287 | 0.97049 | 0.00000 | 789605.1 | 724533.5 | 0.0 | S |
| 59.250 | 0.0000 | 0.0000 | 77.286 | 0.97020 | 0.00000 | 789605.1 | 724562.6 | 0.0 | S |
| 59.258 | 0.0000 | 0.0000 | 77.286 | 0.96990 | 0.00000 | 789605.1 | 724591.7 | 0.0 | S |
| 59.267 | 0.0000 | 0.0000 | 77.285 | 0.96960 | 0.00000 | 789605.1 | 724620.8 | 0.0 | S |
| 59.275 | 0.0000 | 0.0000 | 77.284 | 0.96931 | 0.00000 | 789605.1 | 724649.9 | 0.0 | S |
| 59.283 | 0.0000 | 0.0000 | 77.283 | 0.96901 | 0.00000 | 789605.1 | 724678.9 | 0.0 | S |
| 59.292 | 0.0000 | 0.0000 | 77.282 | 0.96871 | 0.00000 | 789605.1 | 724708.0 | 0.0 | S |
| 59.300 | 0.0000 | 0.0000 | 77.281 | 0.96842 | 0.00000 | 789605.1 | 724737.1 | 0.0 | S |
| 59.308 | 0.0000 | 0.0000 | 77.280 | 0.96812 | 0.00000 | 789605.1 | 724766.1 | 0.0 | S |
| 59.317 | 0.0000 | 0.0000 | 77.279 | 0.96783 | 0.00000 | 789605.1 | 724795.1 | 0.0 | S |
| 59.325 | 0.0000 | 0.0000 | 77.278 | 0.96753 | 0.00000 | 789605.1 | 724824.2 | 0.0 | S |
| 59.333 | 0.0000 | 0.0000 | 77.277 | 0.96724 | 0.00000 | 789605.1 | 724853.2 | 0.0 | S |
| 59.342 | 0.0000 | 0.0000 | 77.276 | 0.96694 | 0.00000 | 789605.1 | 724882.2 | 0.0 | S |
| 59.350 | 0.0000 | 0.0000 | 77.275 | 0.96665 | 0.00000 | 789605.1 | 724917.2 | 0.0 | S |
| 59.358 | 0.0000 | 0.0000 | 77.274 | 0.96635 | 0.00000 | 789605.1 | 724940.2 | 0.0 | S |
| 59.367 | 0.0000 | 0.0000 | 77.273 | 0.96606 | 0.00000 | 789605.1 | 724969.2 | 0.0 | S |
| 59.375 | 0.0000 | 0.0000 | 77.272 | 0.96577 | 0.00000 | 789605.1 | 724998.2 | 0.0 | S |
| 59.383 | 0.0000 | 0.0000 | 77.271 | 0.96547 | 0.00000 | 789605.1 | 725027.1 | 0.0 | S |
| 59.392 | 0.0000 | 0.0000 | 77.270 | 0.96517 | 0.00000 | 789605.1 | 725056.1 | 0.0 | S |
| 59.400 | 0.0000 | 0.0000 | 77.269 | 0.96488 | 0.00000 | 789605.1 | 725085.1 | 0.0 | S |
| 59.408 | 0.0000 | 0.0000 | 77.268 | 0.96459 | 0.00000 | 789605.1 | 725114.0 | 0.0 | S |
| 59.417 | 0.0000 | 0.0000 | 77.267 | 0.96429 | 0.00000 | 789605.1 | 725142.9 | 0.0 | S |
| 59.425 | 0.0000 | 0.0000 | 77.266 | 0.96400 | 0.00000 | 789605.1 | 725171.9 | 0.0 | S |
| 59.433 | 0.0000 | 0.0000 | 77.265 | 0.96370 | 0.00000 | 789605.1 | 725200.8 | 0.0 | S |
| 59.442 | 0.0000 | 0.0000 | 77.264 | 0.96341 | 0.00000 | 789605.1 | 725229.7 | 0.0 | S |
| 59.450 | 0.0000 | 0.0000 | 77.264 | 0.96311 | 0.00000 | 789605.1 | 725258.6 | 0.0 | S |
| 59.458 | 0.0000 | 0.0000 | 77.263 | 0.96282 | 0.00000 | 789605.1 | 725287.4 | 0.0 | S |
| 59.467 | 0.0000 | 0.0000 | 77.262 | 0.96253 | 0.00000 | 789605.1 | 725316.3 | 0.0 | S |
| 59.475 | 0.0000 | 0.0000 | 77.261 | 0.96223 | 0.00000 | 789605.1 | 725345.2 | 0.0 | S |
| 59.483 | 0.0000 | 0.0000 | 77.260 | 0.96194 | 0.00000 | 789605.1 | 725374.1 | 0.0 | S |
| 59.492 | 0.0000 | 0.0000 | 77.259 | 0.96165 | 0.00000 | 789605.1 | 725402.9 | 0.0 | S |
| 59.500 | 0.0000 | 0.0000 | 77.258 | 0.96136 | 0.00000 | 789605.1 | 725431.8 | 0.0 | S |
| 59.508 | 0.0000 | 0.0000 | 77.257 | 0.96106 | 0.00000 | 789605.1 | 725460.6 | 0.0 | S |
| 59.517 | 0.0000 | 0.0000 | 77.256 | 0.96077 | 0.00000 | 789605.1 | 725489.4 | 0.0 | S |
| 59.525 | 0.0000 | 0.0000 | 77.255 | 0.96048 | 0.00000 | 789605.1 | 725518.3 | 0.0 | S |
| 59.533 | 0.0000 | 0.0000 | 77.254 | 0.96018 | 0.00000 | 789605.1 | 725547.1 | 0.0 | S |
| 59.542 | 0.0000 | 0.0000 | 77.253 | 0.95989 | 0.00000 | 789605.1 | 725575.9 | 0.0 | S |
| 59.550 | 0.0000 | 0.0000 | 77.252 | 0.95960 | 0.00000 | 789605.1 | 725604.7 | 0.0 | S |
| 59.558 | 0.0000 | 0.0000 | 77.251 | 0.95931 | 0.00000 | 789605.1 | 725633.4 | 0.0 | S |
| 59.567 | 0.0000 | 0.0000 | 77.250 | 0.95902 | 0.00000 | 789605.1 | 725662.2 | 0.0 | S |
| 59.575 | 0.0000 | 0.0000 | 77.249 | 0.95872 | 0.00000 | 789605.1 | 725691.0 | 0.0 | S |
| 59.583 | 0.0000 | 0.0000 | 77.248 | 0.95843 | 0.00000 | 789605.1 | 725719.8 | 0.0 | S |
| 59.592 | 0.0000 | 0.0000 | 77.247 | 0.95814 | 0.00000 | 789605.1 | 725748.5 | 0.0 | S |
| 59.600 | 0.0000 | 0.0000 | 77.246 | 0.95785 | 0.00000 | 789605.1 | 725777.3 | 0.0 | S |
| 59.608 | 0.0000 | 0.0000 | 77.245 | 0.95756 | 0.00000 | 789605.1 | 725805.9 | 0.0 | S |
| 59.617 | 0.0000 | 0.0000 | 77.244 | 0.95726 | 0.00000 | 789605.1 | 725834.7 | 0.0 | S |
| 59.625 | 0.0000 | 0.0000 | 77.243 | 0.95697 | 0.00000 | 789605.1 | 725863.4 | 0.0 | S |
| 59.633 | 0.0000 | 0.0000 | 77.243 | 0.95668 | 0.00000 | 789605.1 | 725892.1 | 0.0 | S |
| 59.642 | 0.0000 | 0.0000 | 77.242 | 0.95639 | 0.00000 | 789605.1 | 725920.8 | 0.0 | S |
| 59.650 | 0.0000 | 0.0000 | 77.241 | 0.95610 | 0.00000 | 789605.1 | 725949.5 | 0.0 | S |
| 59.658 | 0.0000 | 0.0000 | 77.240 | 0.95581 | 0.00000 | 789605.1 | 725978.2 | 0.0 | S |
| 59.667 | 0.0000 | 0.0000 | 77.239 | 0.95552 | 0.00000 | 789605.1 | 726006.8 | 0.0 | S |
| 59.675 | 0.0000 | 0.0000 | 77.238 | 0.95523 | 0.00000 | 789605.1 | 726035.5 | 0.0 | S |
| 59.683 | 0.0000 | 0.0000 | 77.237 | 0.95494 | 0.00000 | 789605.1 | 726064.1 | 0.0 | S |
| 59.692 | 0.0000 | 0.0000 | 77.236 | 0.95465 | 0.00000 | 789605.1 | 726092.8 | 0.0 | S |
| 59.700 | 0.0000 | 0.0000 | 77.235 | 0.95436 | 0.00000 | 789605.1 | 726121.4 | 0.0 | S |
| 59.708 | 0.0000 | 0.0000 | 77.234 | 0.95407 | 0.00000 | 789605.1 | 726150.1 | 0.0 | S |
| 59.717 | 0.0000 | 0.0000 | 77.233 | 0.95378 | 0.00000 | 789605.1 | 726178.7 | 0.0 | S |
| 59.725 | 0.0000 | 0.0000 | 77.232 | 0.95349 | 0.00000 | 789605.1 | 726207.3 | 0.0 | S |
| 59.733 | 0.0000 | 0.0000 | 77.231 | 0.95320 | 0.00000 | 789605.1 | 726235.9 | 0.0 | S |
| 59.742 | 0.0000 | 0.0000 | 77.230 | 0.95291 | 0.00000 | 789605.1 | 726264.5 | 0.0 | S |
| 59.750 | 0.0000 | 0.0000 | 77.229 | 0.95262 | 0.00000 | 789605.1 | 726293.1 | 0.0 | S |
| 59.758 | 0.0000 | 0.0000 | 77.228 | 0.95233 | 0.00000 | 789605.1 | 726321.6 | 0.0 | S |
| 59.767 | 0.0000 | 0.0000 | 77.227 | 0.95204 | 0.00000 | 789605.1 | 726350.2 | 0.0 | S |
| 59.775 | 0.0000 | 0.0000 | 77.226 | 0.95175 | 0.00000 | 789605.1 | 726378.8 | 0.0 | S |
| 59.783 | 0.0000 | 0.0000 | 77.225 | 0.95146 | 0.00000 | 789605.1 | 726407.3 | 0.0 | S |
| 59.792 | 0.0000 | 0.0000 | 77.224 | 0.95117 | 0.00000 | 789605.1 | 726435.8 | 0.0 | S |
| 59.800 | 0.0000 | 0.0000 | 77.223 | 0.95088 | 0.00000 | 789605.1 | 726464.4 | 0.0 | S |
| 59.808 | 0.0000 | 0.0000 | 77.223 | 0.95059 | 0.00000 | 789605.1 | 726492.9 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate $\left(\mathrm{ft}^{3 / \mathrm{s}}\right.$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overfiow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infittration Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 59.817 | 0.0000 | 0.0000 | 77.222 | 0.95030 | 0.00000 | 789605.1 | 726521.4 | 0.0 | S |
| 59.825 | 0.0000 | 0.0000 | 77.221 | 0.95001 | 0.00000 | 789605.1 | 726549.9 | 0.0 | S |
| 59.833 | 0.0000 | 0.0000 | 77.220 | 0.94972 | 0.00000 | 789605.1 | 726578.4 | 0.0 | S |
| 59.842 | 0.0000 | 0.0000 | 77.219 | 0.94944 | 0.00000 | 789605.1 | 726606.9 | 0.0 | S |
| 59.850 | 0.0000 | 0.0000 | 77.218 | 0.94915 | 0.00000 | 789605.1 | 726635.4 | 0.0 | S |
| 59.858 | 0.0000 | 0.0000 | 77.217 | 0.94886 | 0.00000 | 789605.1 | 726663.8 | 0.0 | S |
| 59.867 | 0.0000 | 0.0000 | 77.216 | 0.94857 | 0.00000 | 789605.1 | 726692.3 | 0.0 | S |
| 59.875 | 0.0000 | 0.0000 | 77.215 | 0.94828 | 0.00000 | 789605.1 | 726720.8 | 0.0 | S |
| 59.883 | 0.0000 | 0.0000 | 77.214 | 0.94799 | 0.00000 | 789605.1 | 726749.2 | 0.0 | S |
| 59.892 | 0.0000 | 0.0000 | 77.213 | 0.94771 | 0.00000 | 789605.1 | 726777.6 | 0.0 | S |
| 59.900 | 0.0000 | 0.0000 | 77.212 | 0.94742 | 0.00000 | 789605.1 | 726806.1 | 0.0 | S |
| 59.908 | 0.0000 | 0.0000 | 77.211 | 0.94713 | 0.00000 | 789605.1 | 726834.5 | 0.0 | S |
| 59.917 | 0.0000 | 0.0000 | 77.210 | 0.94684 | 0.00000 | 789605.1 | 726862.9 | 0.0 | S |
| 59.925 | 0.0000 | 0.0000 | 77.209 | 0.94656 | 0.00000 | 789605.1 | 726891.3 | 0.0 | S |
| 59.933 | 0.0000 | 0.0000 | 77.208 | 0.94627 | 0.00000 | 789605.1 | 726919.7 | 0.0 | S |
| 59.942 | 0.0000 | 0.0000 | 77.207 | 0.94598 | 0.00000 | 789605.1 | 726948.1 | 0.0 | S |
| 59.950 | 0.0000 | 0.0000 | 77.206 | 0.94569 | 0.00000 | 789605.1 | 726976.4 | 0.0 | S |
| 59.958 | 0.0000 | 0.0000 | 77.205 | 0.94541 | 0.00000 | 789605.1 | 727004.8 | 0.0 | S |
| 59.967 | 0.0000 | 0.0000 | 77.204 | 0.94512 | 0.00000 | 789605.1 | 727033.2 | 0.0 | S |
| 59.975 | 0.0000 | 0.0000 | 77.203 | 0.94483 | 0.00000 | 789605.1 | 727061.5 | 0.0 | S |
| 59.983 | 0.0000 | 0.0000 | 77.203 | 0.94455 | 0.00000 | 789605.1 | 727089.9 | 0.0 | S |
| 59.992 | 0.0000 | 0.0000 | 77.202 | 0.94426 | 0.00000 | 789605.1 | 727118.2 | 0.0 | S |
| 60.000 | 0.0000 | 0.0000 | 77.201 | 0.94397 | 0.00000 | 789605.1 | 727146.5 | 0.0 | S |
| 60.008 | 0.0000 | 0.0000 | 77.200 | 0.94369 | 0.00000 | 789605.1 | 727174.8 | 0.0 | S |
| 60.017 | 0.0000 | 0.0000 | 77.199 | 0.94340 | 0.00000 | 789605.1 | 727203.1 | 0.0 | S |
| 60.025 | 0.0000 | 0.0000 | 77.198 | 0.94311 | 0.00000 | 789605.1 | 727231.4 | 0.0 | S |
| 60.033 | 0.0000 | 0.0000 | 77.197 | 0.94283 | 0.00000 | 789605.1 | 727259.8 | 0.0 | S |
| 60.042 | 0.0000 | 0.0000 | 77.196 | 0.94254 | 0.00000 | 789605.1 | 727288.0 | 0.0 | S |
| 60.050 | 0.0000 | 0.0000 | 77.195 | 0.94226 | 0.00000 | 789605.1 | 727316.3 | 0.0 | S |
| 60.058 | 0.0000 | 0.0000 | 77.194 | 0.94197 | 0.00000 | 789605.1 | 727344.6 | 0.0 | S |
| 60.067 | 0.0000 | 0.0000 | 77.193 | 0.94168 | 0.00000 | 789605.1 | 727372.8 | 0.0 | S |
| 60.075 | 0.0000 | 0.0000 | 77.192 | 0.94140 | 0.00000 | 789605.1 | 727401.1 | 0.0 | S |
| 60.083 | 0.0000 | 0.0000 | 77.191 | 0.94111 | 0.00000 | 789605.1 | 727429.3 | 0.0 | S |
| 60.092 | 0.0000 | 0.0000 | 77.190 | 0.94083 | 0.00000 | 789605.1 | 727457.5 | 0.0 | S |
| 60.100 | 0.0000 | 0.0000 | 77.189 | 0.94054 | 0.00000 | 789605.1 | 727485.8 | 0.0 | S |
| 60.108 | 0.0000 | 0.0000 | 77.188 | 0.94026 | 0.00000 | 789605.1 | 727513.9 | 0.0 | S |
| 60.117 | 0.0000 | 0.0000 | 77.187 | 0.93997 | 0.00000 | 789605.1 | 727542.1 | 0.0 | S |
| 60.125 | 0.0000 | 0.0000 | 77.186 | 0.93969 | 0.00000 | 789605.1 | 727570.3 | 0.0 | S |
| 60.133 | 0.0000 | 0.0000 | 77.185 | 0.93940 | 0.00000 | 789605.1 | 727598.5 | 0.0 | S |
| 60.142 | 0.0000 | 0.0000 | 77.184 | 0.93912 | 0.00000 | 789605.1 | 727626.7 | 0.0 | S |
| 60.150 | 0.0000 | 0.0000 | 77.184 | 0.93883 | 0.00000 | 789605.1 | 727654.9 | 0.0 | S |
| 60.158 | 0.0000 | 0.0000 | 77.183 | 0.93855 | 0.00000 | 789605.1 | 727683.0 | 0.0 | S |
| 60.167 | 0.0000 | 0.0000 | 77.182 | 0.93826 | 0.00000 | 789605.1 | 727711.2 | 0.0 | S |
| 60.175 | 0.0000 | 0.0000 | 77.181 | 0.93798 | 0.00000 | 789605.1 | 727739.3 | 0.0 | S |
| 60.183 | 0.0000 | 0.0000 | 77.180 | 0.93769 | 0.00000 | 789605.1 | 727767.4 | 0.0 | S |
| 60.192 | 0.0000 | 0.0000 | 77.179 | 0.93741 | 0.00000 | 789605.1 | 727795.6 | 0.0 | S |
| 60.200 | 0.0000 | 0.0000 | 77.178 | 0.93713 | 0.00000 | 789605.1 | 727823.7 | 0.0 | S |
| 60.208 | 0.0000 | 0.0000 | 77.177 | 0.93684 | 0.00000 | 789605.1 | 727851.8 | 0.0 | S |
| 60.217 | 0.0000 | 0.0000 | 77.176 | 0.93656 | 0.00000 | 789605.1 | 727879.9 | 0.0 | S |
| 60.225 | 0.0000 | 0.0000 | 77.175 | 0.93627 | 0.00000 | 789605.1 | 727908.0 | 0.0 | S |
| 60.233 | 0.0000 | 0.0000 | 77.174 | 0.93599 | 0.00000 | 789605.1 | 727936.1 | 0.0 | S |
| 60.242 | 0.0000 | 0.0000 | 77.173 | 0.93571 | 0.00000 | 789605.1 | 727964.2 | 0.0 | S |
| 60.250 | 0.0000 | 0.0000 | 77.172 | 0.93542 | 0.00000 | 789605.1 | 727992.3 | 0.0 | S |
| 60.258 | 0.0000 | 0.0000 | 77.171 | 0.93514 | 0.00000 | 789605.1 | 728020.3 | 0.0 | S |
| 60.267 | 0.0000 | 0.0000 | 77.170 | 0.93486 | 0.00000 | 789605.1 | 728048.3 | 0.0 | S |
| 60.275 | 0.0000 | 0.0000 | 77.169 | 0.93457 | 0.00000 | 789605.1 | 728076.4 | 0.0 | S |
| 60.283 | 0.0000 | 0.0000 | 77.168 | 0.93429 | 0.00000 | 789605.1 | 728104.4 | 0.0 | S |
| 60.292 | 0.0000 | 0.0000 | 77.167 | 0.93401 | 0.00000 | 789605.1 | 728132.4 | 0.0 | S |
| 60.300 | 0.0000 | 0.0000 | 77.166 | 0.93373 | 0.00000 | 789605.1 | 728160.4 | 0.0 | S |
| 60.308 | 0.0000 | 0.0000 | 77.166 | 0.93344 | 0.00000 | 789605.1 | 728188.4 | 0.0 | S |
| 60.317 | 0.0000 | 0.0000 | 77.165 | 0.93316 | 0.00000 | 789605.1 | 728216.4 | 0.0 | S |
| 60.325 | 0.0000 | 0.0000 | 77.164 | 0.93288 | 0.00000 | 789605.1 | 728244.4 | 0.0 | S |
| 60.333 | 0.0000 | 0.0000 | 77.163 | 0.93260 | 0.00000 | 789605.1 | 728272.4 | 0.0 | S |
| 60.342 | 0.0000 | 0.0000 | 77.162 | 0.93231 | 0.00000 | 789605.1 | 728300.4 | 0.0 | S |
| 60.350 | 0.0000 | 0.0000 | 77.161 | 0.93203 | 0.00000 | 789605.1 | 728328.4 | 0.0 | S |
| 60.358 | 0.0000 | 0.0000 | 77.160 | 0.93175 | 0.00000 | 789605.1 | 728356.3 | 0.0 | S |
| 60.367 | 0.0000 | 0.0000 | 77.159 | 0.93147 | 0.00000 | 789605.1 | 728384.3 | 0.0 | S |
| 60.375 | 0.0000 | 0.0000 | 77.158 | 0.93118 | 0.00000 | 789605.1 | 728412.3 | 0.0 | S |
| 60.383 | 0.0000 | 0.0000 | 77.157 | 0.93090 | 0.00000 | 789605.1 | 728440.1 | 0.0 | S |
| 60.392 | 0.0000 | 0.0000 | 77.156 | 0.93062 | 0.00000 | 789605.1 | 728468.1 | 0.0 | S |
| 60.400 | 0.0000 | 0.0000 | 77.155 | 0.93034 | 0.00000 | 789605.1 | 728496.0 | 0.0 | S |
| 60.408 | 0.0000 | 0.0000 | 77.154 | 0.93006 | 0.00000 | 789605.1 | 728523.9 | 0.0 | S |
| 60.417 | 0.0000 | 0.0000 | 77.153 | 0.92978 | 0.00000 | 789605.1 | 728551.8 | 0.0 | S |
| 60.425 | 0.0000 | 0.0000 | 77.152 | 0.92950 | 0.00000 | 789605.1 | 728579.7 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 5100 yr/24 hr

| Elapsed Time (hours) | Inflow Rate (fis/s) | Outside Recharge (f1/day) | Stage Elevation (ft datum) | Infiltration Rate (ft3/s) | Overflow Discharge $\left(\mathrm{f}^{3} / \mathrm{s}\right)$ | Cumulative inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 60.433 | 0.0000 | 0.0000 | 77.151 | 0.92921 | 0.00000 | 789605.1 | 728607.6 | 0.0 | S |
| 60.442 | 0.0000 | 0.0000 | 77.150 | 0.92893 | 0.00000 | 789605.1 | 728635.4 | 0.0 | S |
| 60.450 | 0.0000 | 0.0000 | 77.149 | 0.92865 | 0.00000 | 789605.1 | 728663.3 | 0.0 | S |
| 60.458 | 0.0000 | 0.0000 | 77.148 | 0.92837 | 0.00000 | 789605.1 | 728691.1 | 0.0 | S |
| 60.467 | 0.0000 | 0.0000 | 77.148 | 0.92809 | 0.00000 | 789605.1 | 728719.0 | 0.0 | S |
| 60.475 | 0.0000 | 0.0000 | 77.147 | 0.92781 | 0.00000 | 789605.1 | 728746.8 | 0.0 | S |
| 60.483 | 0.0000 | 0.0000 | 77.146 | 0.92753 | 0.00000 | 789605.1 | 728774.7 | 0.0 | S |
| 60.492 | 0.0000 | 0.0000 | 77.145 | 0.92725 | 0.00000 | 789605.1 | 728802.5 | 0.0 | S |
| 60.500 | 0.0000 | 0.0000 | 77.144 | 0.92697 | 0.00000 | 789605.1 | 728830.3 | 0.0 | S |
| 60.508 | 0.0000 | 0.0000 | 77.143 | 0.92669 | 0.00000 | 789605.1 | 728858.1 | 0.0 | S |
| 60.517 | 0.0000 | 0.0000 | 77.142 | 0.92641 | 0.00000 | 789605.1 | 728885.9 | 0.0 | S |
| 60.525 | 0.0000 | 0.0000 | 77.141 | 0.92613 | 0.00000 | 789605.1 | 728913.7 | 0.0 | S |
| 60.533 | 0.0000 | 0.0000 | 77.140 | 0.92585 | 0.00000 | 789605.1 | 728941.5 | 0.0 | S |
| 60.542 | 0.0000 | 0.0000 | 77.139 | 0.92557 | 0.00000 | 789605.1 | 728969.3 | 0.0 | S |
| 60.550 | 0.0000 | 0.0000 | 77.138 | 0.92529 | 0.00000 | 789605.1 | 728997.0 | 0.0 | S |
| 60.558 | 0.0000 | 0.0000 | 77.137 | 0.92501 | 0.00000 | 789605.1 | 729024.8 | 0.0 | S |
| 60.567 | 0.0000 | 0.0000 | 77.136 | 0.92473 | 0.00000 | 789605.1 | 729052.5 | 0.0 | 5 |
| 60.575 | 0.0000 | 0.0000 | 77.135 | 0.92445 | 0.00000 | 789605.1 | 729080.3 | 0.0 | S |
| 60.583 | 0.0000 | 0.0000 | 77.134 | 0.92417 | 0.00000 | 789605.1 | 729108.0 | 0.0 | S |
| 60.592 | 0.0000 | 0.0000 | 77.133 | 0.92389 | 0.00000 | 789605.1 | 729135.7 | 0.0 | S |
| 60.600 | 0.0000 | 0.0000 | 77.132 | 0.92361 | 0.00000 | 789605.1 | 729163.4 | 0.0 | S |
| 60.608 | 0.0000 | 0.0000 | 77.131 | 0.92333 | 0.00000 | 789605.1 | 729191.1 | 0.0 | S |
| 60.617 | 0.0000 | 0.0000 | 77.130 | 0.92305 | 0.00000 | 789605.1 | 729218.8 | 0.0 | S |
| 60.625 | 0.0000 | 0.0000 | 77.130 | 0.92277 | 0.00000 | 789605.1 | 729246.5 | 0.0 | S |
| 60.633 | 0.0000 | 0.0000 | 77.129 | 0.92250 | 0.00000 | 789605.1 | 729274.2 | 0.0 | S |
| 60.642 | 0.0000 | 0.0000 | 77.128 | 0.92222 | 0.00000 | 789605.1 | 729301.9 | 0.0 | S |
| 60.650 | 0.0000 | 0,0000 | 77.127 | 0.92194 | 0.00000 | 789605.1 | 729329.5 | 0.0 | S |
| 60.658 | 0.0000 | 0.0000 | 77.126 | 0.92166 | 0.00000 | 789605.1 | 729357.2 | 0.0 | S |
| 60.667 | 0.0000 | 0.0000 | 77.125 | 0.92138 | 0.00000 | 789605.1 | 729384.8 | 0.0 | S |
| 60.675 | 0.0000 | 0,0000 | 77.124 | 0.92110 | 0.00000 | 789605.1 | 729412.4 | 0.0 | S |
| 60.683 | 0.0000 | 0.0000 | 77.123 | 0.92083 | 0.00000 | 789605.1 | 729440.1 | 0.0 | S |
| 60.692 | 0.0000 | 0.0000 | 77.122 | 0.92055 | 0.00000 | 789605.1 | 729467.7 | 0.0 | S |
| 60.700 | 0.0000 | 0.0000 | 77.121 | 0.92027 | 0.00000 | 789605.1 | 729495.3 | 0.0 | S |
| 60.708 | 0.0000 | 0.0000 | 77.120 | 0.91999 | 0.00000 | 789605.1 | 729522.9 | 0.0 | S |
| 60.717 | 0.0000 | 0.0000 | 77.119 | 0.91971 | 0.00000 | 789605.1 | 729550.5 | 0.0 | S |
| 60.725 | 0.0000 | 0.0000 | 77.118 | 0.91944 | 0.00000 | 789605.1 | 729578.1 | 0.0 | S |
| 60.733 | 0.0000 | 0.0000 | 77.117 | 0.91916 | 0.00000 | 789605.1 | 729605.7 | 0.0 | S |
| 60.742 | 0.0000 | 0.0000 | 77.116 | 0.91888 | 0.00000 | 789605.1 | 729633.3 | 0.0 | S |
| 60.750 | 0.0000 | 0.0000 | 77.115 | 0.91860 | 0.00000 | 789605.1 | 729660.8 | 0.0 | S |
| 60.758 | 0.0000 | 0.0000 | 77.114 | 0.91833 | 0.00000 | 789605.1 | 729688.4 | 0.0 | S |
| 60.767 | 0.0000 | 0.0000 | 77.113 | 0.91805 | 0.00000 | 789605.1 | 729715.9 | 0.0 | S |
| 60.775 | 0.0000 | 0.0000 | 77.113 | 0.91777 | 0.00000 | 789605.1 | 729743.4 | 0.0 | S |
| 60.783 | 0.0000 | 0.0000 | 77.112 | 0.91750 | 0.00000 | 789605.1 | 729771.0 | 0.0 | S |
| 60.792 | 0.0000 | 0.0000 | 77.111 | 0.91722 | 0.00000 | 789605.1 | 729798.5 | 0.0 | S |
| 60.800 | 0.0000 | 0.0000 | 77.110 | 0.91694 | 0.00000 | 789605.1 | 729826.0 | 0.0 | S |
| 60.808 | 0.0000 | 0.0000 | 77.109 | 0.91666 | 0.00000 | 789605.1 | 729853.5 | 0.0 | S |
| 60.817 | 0.0000 | 0.0000 | 77.108 | 0.91639 | 0.00000 | 789605.1 | 729881.0 | 0.0 | S |
| 60.825 | 0.0000 | 0.0000 | 77.107 | 0.91611 | 0.00000 | 789605.1 | 729908.5 | 0.0 | S |
| 60.833 | 0.0000 | 0.0000 | 77.106 | 0.91584 | 0.00000 | 789605.1 | 729936.0 | 0.0 | S |
| 60.842 | 0.0000 | 0.0000 | 77.105 | 0.91556 | 0.00000 | 789605.1 | 729963.4 | 0.0 | S |
| 60.850 | 0.0000 | 0.0000 | 77.104 | 0.91528 | 0.00000 | 789605.1 | 729990.9 | 0.0 | S |
| 60.858 | 0.0000 | 0.0000 | 77.103 | 0.91501 | 0.00000 | 789605.1 | 730018.4 | 0.0 | S |
| 60.867 | 0.0000 | 0.0000 | 77.102 | 0.91473 | 0.00000 | 789605.1 | 730045.8 | 0.0 | S |
| 60.875 | 0.0000 | 0.0000 | 77.101 | 0.91445 | 0.00000 | 789605.1 | 730073.3 | 0.0 | S |
| 60.883 | 0.0000 | 0.0000 | 77.100 | 0.91418 | 0.00000 | 789605.1 | 730100.7 | 0.0 | S |
| 60.892 | 0.0000 | 0.0000 | 77.099 | 0.91390 | 0.00000 | 789605.1 | 730128.1 | 0.0 | S |
| 60.900 | 0.0000 | 0.0000 | 77.098 | 0.91363 | 0.00000 | 789605.1 | 730155.5 | 0.0 | S |
| 60.908 | 0.0000 | 0.0000 | 77.097 | 0.91335 | 0.00000 | 789605.1 | 730182.9 | 0.0 | S |
| 60.917 | 0.0000 | 0.0000 | 77.097 | 0.91308 | 0.00000 | 789605.1 | 730210.3 | 0.0 | S |
| 60.925 | 0.0000 | 0.0000 | 77.096 | 0.91280 | 0.00000 | 789605.1 | 730237.7 | 0.0 | S |
| 60.933 | 0.0000 | 0.0000 | 77.095 | 0.91253 | 0.00000 | 789605.1 | 730265.1 | 0.0 | S |
| 60.942 | 0.0000 | 0.0000 | 77.094 | 0.91225 | 0.00000 | 789605.1 | 730292.4 | 0.0 | S |
| 60.950 | 0.0000 | 0.0000 | 77.093 | 0.91198 | 0.00000 | 789605.1 | 730319.8 | 0.0 | S |
| 60.958 | 0.0000 | 0.0000 | 77.092 | 0.91170 | 0.00000 | 789605.1 | 730347.2 | 0.0 | S |
| 60.967 | 0.0000 | 0.0000 | 77.091 | 0.91143 | 0.00000 | 789605.1 | 730374.5 | 0.0 | S |
| 60.975 | 0.0000 | 0.0000 | 77.090 | 0.91115 | 0.00000 | 789605.1 | 730401.9 | 0.0 | S |
| 60.983 | 0.0000 | 0.0000 | 77.089 | 0.91088 | 0.00000 | 789605.1 | 730429.2 | 0.0 | S |
| 60.992 | 0.0000 | 0.0000 | 77.088 | 0.91060 | 0.00000 | 789605.1 | 730456.5 | 0.0 | S |
| 61.000 | 0.0000 | 0.0000 | 77.087 | 0.91033 | 0.00000 | 789605.1 | 730483.8 | 0.0 | S |
| 61.008 | 0.0000 | 0.0000 | 77.086 | 0.91005 | 0.00000 | 789605.1 | 730511.1 | 0.0 | S |
| 61.017 | 0.0000 | 0.0000 | 77.085 | 0.90978 | 0.00000 | 789605.1 | 730538.4 | 0.0 | S |
| 61.025 | 0.0000 | 0.0000 | 77.084 | 0.90951 | 0.00000 | 789605.1 | 730565.7 | 0.0 | S |
| 61.033 | 0.0000 | 0.0000 | 77.083 | 0.90923 | 0.00000 | 788605.1 | 730593.0 | 0.0 | S |
| 61.042 | 0.0000 | 0.0000 | 77.082 | 0.90896 | 0.00000 | 789605.1 | 730620.3 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow <br> Rate <br> ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / 5}$ ) | Overflow Discharge ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative <br> Discharge <br> Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 61.050 | 0.0000 | 0.0000 | 77.081 | 0.90868 | 0.00000 | 789605.1 | 730647.5 | 0.0 | S |
| 61.058 | 0.0000 | 0.0000 | 77.081 | 0.90841 | 0.00000 | 789605.1 | 730674.8 | 0.0 | S |
| 61.067 | 0.0000 | 0.0000 | 77.080 | 0.90814 | 0.00000 | 789605.1 | 730702.1 | 0.0 | S |
| 61.075 | 0.0000 | 0.0000 | 77.079 | 0.90786 | 0.00000 | 789605.1 | 730729.3 | 0.0 | S |
| 61.083 | 0.0000 | 0.0000 | 77.078 | 0.90759 | 0.00000 | 789605.1 | 730756.5 | 0.0 | S |
| 61.092 | 0.0000 | 0.0000 | 77.077 | 0.90732 | 0.00000 | 788605.1 | 730783.8 | 0.0 | S |
| 61.100 | 0.0000 | 0.0000 | 77.076 | 0.90704 | 0.00000 | 789605.1 | 730810.9 | 0.0 | S |
| 61.108 | 0.0000 | 0.0000 | 77.075 | 0.90677 | 0.00000 | 789605.1 | 730838.1 | 0.0 | S |
| 61.117 | 0.0000 | 0.0000 | 77.074 | 0.90650 | 0.00000 | 789605.1 | 730865.4 | 0.0 | S |
| 61.125 | 0.0000 | 0.0000 | 77.073 | 0.90622 | 0.00000 | 789605.1 | 730892.6 | 0.0 | S |
| 61.133 | 0.0000 | 0.0000 | 77.072 | 0.90595 | 0.00000 | 789605.1 | 730919.8 | 0.0 | S |
| 61.142 | 0.0000 | 0.0000 | 77.071 | 0.90568 | 0.00000 | 789605.1 | 730946.9 | 0.0 | S |
| 61.150 | 0.0000 | 0.0000 | 77.070 | 0.90540 | 0.00000 | 789605.1 | 730974.1 | 0.0 | S |
| 61.158 | 0.0000 | 0.0000 | 77.069 | 0.90513 | 0.00000 | 789605.1 | 731001.3 | 0.0 | S |
| 61.167 | 0.0000 | 0.0000 | 77.068 | 0.90486 | 0.00000 | 789605.1 | 731028.4 | 0.0 | S |
| 61.175 | 0.0000 | 0.0000 | 77.067 | 0.90459 | 0.00000 | 789605.1 | 731055.5 | 0.0 | S |
| 61.183 | 0.0000 | 0.0000 | 77.066 | 0.90432 | 0.00000 | 789605.1 | 731082.6 | 0.0 | S |
| 61.192 | 0.0000 | 0.0000 | 77.065 | 0.90404 | 0.00000 | 789605.1 | 731109.8 | 0.0 | S |
| 61.200 | 0.0000 | 0.0000 | 77.065 | 0.90377 | 0.00000 | 789605.1 | 731136.9 | 0.0 | S |
| 61.208 | 0.0000 | 0.0000 | 77.064 | 0.90350 | 0.00000 | 789605.1 | 731164.0 | 0.0 | S |
| 61.217 | 0.0000 | 0.0000 | 77.063 | 0.90323 | 0.00000 | 789605.1 | 731191.1 | 0.0 | S |
| 61.225 | 0.0000 | 0.0000 | 77.062 | 0.90295 | 0.00000 | 789605.1 | 731218.2 | 0.0 | S |
| 61.233 | 0.0000 | 0.0000 | 77.061 | 0.90268 | 0.00000 | 789605.1 | 731245.3 | 0.0 | S |
| 61.242 | 0.0000 | 0.0000 | 77.060 | 0.90241 | 0.00000 | 789605.1 | 731272.4 | 0.0 | S |
| 61.250 | 0.0000 | 0.0000 | 77.059 | 0.90214 | 0.00000 | 789605.1 | 731299.4 | 0.0 | S |
| 61.258 | 0.0000 | 0.0000 | 77.058 | 0.90187 | 0.00000 | 789605.1 | 731326.5 | 0.0 | S |
| 61.267 | 0.0000 | 0.0000 | 77.057 | 0.90160 | 0.00000 | 789605.1 | 731353.6 | 0.0 | S |
| 61.275 | 0.0000 | 0.0000 | 77.056 | 0.90133 | 0.00000 | 789605.1 | 731380.6 | 0.0 | S |
| 61.283 | 0.0000 | 0.0000 | 77.055 | 0.90105 | 0.00000 | 789605.1 | 731407.6 | 0.0 | S |
| 61.292 | 0.0000 | 0.0000 | 77.054 | 0.90078 | 0.00000 | 789605.1 | 731434.6 | 0.0 | S |
| 61.300 | 0.0000 | 0.0000 | 77.053 | 0.90051 | 0.00000 | 789605.1 | 731461.7 | 0.0 | S |
| 61.308 | 0.0000 | 0.0000 | 77.052 | 0.90024 | 0.00000 | 789605.1 | 731488.7 | 0.0 | S |
| 61.317 | 0.0000 | 0.0000 | 77.051 | 0.89997 | 0.00000 | 789605.1 | 731515.7 | 0.0 | S |
| 61.325 | 0.0000 | 0.0000 | 77.050 | 0.89970 | 0.00000 | 789605.1 | 731542.7 | 0.0 | S |
| 61.333 | 0.0000 | 0.0000 | 77.049 | 0.89943 | 0.00000 | 789605.1 | 731569.6 | 0.0 | S |
| 61.342 | 0.0000 | 0.0000 | 77.049 | 0.89916 | 0.00000 | 789605.1 | 731596.6 | 0.0 | S |
| 61.350 | 0.0000 | 0.0000 | 77.048 | 0.89889 | 0.00000 | 789605.1 | 731623.6 | 0.0 | S |
| 61.358 | 0.0000 | 0.0000 | 77.047 | 0.89862 | 0.00000 | 789605.1 | 731650.6 | 0.0 | S |
| 61.367 | 0.0000 | 0.0000 | 77.046 | 0.89835 | 0.00000 | 789605.1 | 731677.5 | 0.0 | S |
| 61.375 | 0.0000 | 0.0000 | 77.045 | 0.89808 | 0.00000 | 789605.1 | 731704.4 | 0.0 | S |
| 61.383 | 0.0000 | 0.0000 | 77.044 | 0.89781 | 0.00000 | 789605.1 | 731731.4 | 0.0 | S |
| 61.392 | 0.0000 | 0.0000 | 77.043 | 0.89754 | 0.00000 | 789605.1 | 731758.3 | 0.0 | S |
| 61.400 | 0.0000 | 0.0000 | 77.042 | 0.89727 | 0.00000 | 789605.1 | 731785.3 | 0.0 | S |
| 61.408 | 0.0000 | 0.0000 | 77.041 | 0.89700 | 0.00000 | 789605.1 | 731812.2 | 0.0 | S |
| 61.417 | 0.0000 | 0.0000 | 77.040 | 0.89673 | 0.00000 | 789605.1 | 731839.1 | 0.0 | S |
| 61.425 | 0.0000 | 0.0000 | 77.039 | 0.89646 | 0.00000 | 789605.1 | 731866.0 | 0.0 | S |
| 61.433 | 0.0000 | 0.0000 | 77.038 | 0.89619 | 0.00000 | 789605.1 | 731892.9 | 0.0 | S |
| 61.442 | 0.0000 | 0.0000 | 77.037 | 0.89592 | 0.00000 | 789605.1 | 731919.8 | 0.0 | S |
| 61,450 | 0.0000 | 0.0000 | 77.036 | 0.89565 | 0.00000 | 789605.1 | 731946.6 | 0.0 | S |
| 61.458 | 0.0000 | 0.0000 | 77.035 | 0.89538 | 0.00000 | 789605.1 | 731973.5 | 0.0 | S |
| 61.467 | 0.0000 | 0.0000 | 77.034 | 0.89511 | 0.00000 | 789605.1 | 732000.4 | 0.0 | S |
| 61.475 | 0.0000 | 0.0000 | 77.034 | 0.89484 | 0.00000 | 789605.1 | 732027.2 | 0.0 | S |
| 61.483 | 0.0000 | 0.0000 | 77.033 | 0.89458 | 0.00000 | 789605.1 | 732054.1 | 0.0 | S |
| 61.492 | 0.0000 | 0.0000 | 77.032 | 0.89431 | 0.00000 | 789605.1 | 732080.9 | 0.0 | S |
| 61.500 | 0.0000 | 0.0000 | 77.031 | 0.89404 | 0.00000 | 789605.1 | 732107.7 | 0.0 | S |
| 61.508 | 0.0000 | 0.0000 | 77.030 | 0.89377 | 0.00000 | 789605.1 | 732134.5 | 0.0 | S |
| 61.517 | 0.0000 | 0.0000 | 77.029 | 0.89350 | 0.00000 | 789605.1 | 732161.3 | 0.0 | S |
| 61.525 | 0.0000 | 0.0000 | 77.028 | 0.89323 | 0.00000 | 789605.1 | 732188.1 | 0.0 | S |
| 61.533 | 0.0000 | 0.0000 | 77.027 | 0.89296 | 0.00000 | 789605.1 | 732214.9 | 0.0 | S |
| 61.542 | 0.0000 | 0.0000 | 77.026 | 0.89270 | 0.00000 | 789605.1 | 732241.7 | 0.0 | S |
| 61.550 | 0.0000 | 0.0000 | 77.025 | 0.89243 | 0.00000 | 789605.1 | 732268.5 | 0.0 | S |
| 61.558 | 0.0000 | 0.0000 | 77.024 | 0.89216 | 0.00000 | 789605.1 | 732295.3 | 0.0 | S |
| 61.567 | 0.0000 | 0.0000 | 77.023 | 0.89189 | 0.00000 | 789605.1 | 732322.0 | 0.0 | S |
| 61.575 | 0.0000 | 0.0000 | 77.022 | 0.89162 | 0.00000 | 789605.1 | 732348.8 | 0.0 | S |
| 61.583 | 0.0000 | 0.0000 | 77.021 | 0.89136 | 0.00000 | 789605.1 | 732375.5 | 0.0 | S |
| 61.592 | 0.0000 | 0.0000 | 77.020 | 0.89109 | 0.00000 | 789605.1 | 732402.3 | 0.0 | S |
| 61.600 | 0.0000 | 0.0000 | 77.019 | 0.89082 | 0.00000 | 789605.1 | 732428.9 | 0.0 | S |
| 61.608 | 0.0000 | 0.0000 | 77.018 | 0.89055 | 0.00000 | 789605.1 | 732455.7 | 0.0 | S |
| 61.617 | 0.0000 | 0.0000 | 77.018 | 0.89029 | 0.00000 | 789605.1 | 732482.4 | 0.0 | S |
| 61.625 | 0.0000 | 0.0000 | 77.017 | 0.89002 | 0.00000 | 789605.1 | 732509.1 | 0.0 | S |
| 61.633 | 0.0000 | 0.0000 | 77.016 | 0.88975 | 0.00000 | 789605.1 | 732535.8 | 0.0 | S |
| 61.642 | 0.0000 | 0.0000 | 77.015 | 0.88948 | 0.00000 | 789605.1 | 732562.5 | 0.0 | S |
| 61.650 | 0.0000 | 0.0000 | 77.014 | 0.88922 | 0.00000 | 789605.1 | 732589.2 | 0.0 | S |
| 61.658 | 0.0000 | 0.0000 | 77.013 | 0.88895 | 0.00000 | 789605.1 | 732615.8 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont, d.) :: Scenario 1 :: Pond 5100 yr / 24 hr

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ffday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Dischafge $\left(\mathrm{ff}^{3} / \mathrm{s}\right)$ | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 61.667 | 0.0000 | 0.0000 | 77.012 | 0.88868 | 0.00000 | 789605.1 | 732642.5 | 0.0 | S |
| 61.675 | 0.0000 | 0.0000 | 77.011 | 0.88842 | 0.00000 | 789605.1 | 732669.2 | 0.0 | S |
| 61.683 | 0.0000 | 0.0000 | 77.010 | 0.88815 | 0.00000 | 789605.1 | 732695.8 | 0.0 | S |
| 61.692 | 0.0000 | 0.0000 | 77.009 | 0.88788 | 0.00000 | 789605.1 | 732722.4 | 0.0 | S |
| 61.700 | 0.0000 | 0.0000 | 77.008 | 0.88762 | 0.00000 | 789605.1 | 732749.1 | 0.0 | S |
| 61.708 | 0.0000 | 0.0000 | 77.007 | 0.88735 | 0.00000 | 789605.1 | 732775.7 | 0.0 | S |
| 61.717 | 0.0000 | 0.0000 | 77.006 | 0.88708 | 0.00000 | 789605.1 | 732802.3 | 0.0 | S |
| 61.725 | 0.0000 | 0.0000 | 77.005 | 0.88682 | 0.00000 | 789605.1 | 732828.9 | 0.0 | S |
| 61.733 | 0.0000 | 0.0000 | 77.004 | 0.88655 | 0.00000 | 789605.1 | 732855.6 | 0.0 | S |
| 61.742 | 0.0000 | 0.0000 | 77.004 | 0.88629 | 0.00000 | 789605.1 | 732882.1 | 0.0 | S |
| 61.750 | 0.0000 | 0.0000 | 77.003 | 0.88602 | 0.00000 | 789605.1 | 732908.7 | 0.0 | S |
| 61.758 | 0.0000 | 0.0000 | 77.002 | 0.88575 | 0.00000 | 789605.1 | 732935.3 | 0.0 | S |
| 61.767 | 0.0000 | 0.0000 | 77.001 | 0.88549 | 0.00000 | 789605.1 | 732961.9 | 0.0 | S |
| 61.775 | 0.0000 | 0.0000 | 77.000 | 0.88522 | 0.00000 | 789605.1 | 732988.4 | 0.0 | S |
| 61.783 | 0.0000 | 0.0000 | 76.999 | 0.88495 | 0.00000 | 789605.1 | 733015.0 | 0.0 | S |
| 61.792 | 0.0000 | 0.0000 | 76.998 | 0.88469 | 0.00000 | 789605.1 | 733041.5 | 0.0 | S |
| 61.800 | 0.0000 | 0.0000 | 76.997 | 0.88442 | 0.00000 | 789605.1 | 733068.1 | 0.0 | S |
| 61.808 | 0.0000 | 0.0000 | 76.996 | 0.88416 | 0.00000 | 789605.1 | 733094.6 | 0.0 | S |
| 61.817 | 0.0000 | 0.0000 | 76.995 | 0.88389 | 0.00000 | 789605.1 | 733121.1 | 0.0 | S |
| 61.825 | 0.0000 | 0.0000 | 76.994 | 0.88362 | 0.00000 | 789605.1 | 733147.6 | 0.0 | S |
| 61.833 | 0.0000 | 0.0000 | 76.993 | 0.88336 | 0.00000 | 789605.1 | 733174.1 | 0.0 | S |
| 61.842 | 0.0000 | 0.0000 | 76.992 | 0.88309 | 0.00000 | 789605.1 | 733200.6 | 0.0 | S |
| 61.850 | 0.0000 | 0.0000 | 76.991 | 0.88283 | 0.00000 | 789605.1 | 733227.1 | 0.0 | S |
| 61.858 | 0.0000 | 0.0000 | 76.990 | 0.88256 | 0.00000 | 789605.1 | 733253.6 | 0.0 | S |
| 61.867 | 0.0000 | 0.0000 | 76.989 | 0.88229 | 0.00000 | 789605.1 | 733280.1 | 0.0 | S |
| 61.875 | 0.0000 | 0.0000 | 76.989 | 0.88203 | 0.00000 | 789605.1 | 733306.5 | 0.0 | S |
| 61.883 | 0.0000 | 0.0000 | 76.988 | 0.88176 | 0.00000 | 789605.1 | 733333.0 | 0.0 | S |
| 61.892 | 0.0000 | 0.0000 | 76.987 | 0.88150 | 0.00000 | 789605.1 | 733359.4 | 0.0 | S |
| 61.900 | 0.0000 | 0.0000 | 76.986 | 0.88123 | 0.00000 | 789605.1 | 733385.9 | 0.0 | S |
| 61.908 | 0.0000 | 0.0000 | 76.985 | 0.88096 | 0.00000 | 789605.1 | 733412.3 | 0.0 | S |
| 61.917 | 0.0000 | 0.0000 | 76.984 | 0.88070 | 0.00000 | 789605.1 | 733438.8 | 0.0 | S |
| 61.925 | 0.0000 | 0.0000 | 76.983 | 0.88043 | 0.00000 | 789605.1 | 733465.1 | 0.0 | S |
| 61.933 | 0.0000 | 0.0000 | 76.982 | 0.88017 | 0.00000 | 789605.1 | 733491.6 | 0.0 | S |
| 61.942 | 0.0000 | 0.0000 | 76.981 | 0.87990 | 0.00000 | 789605.1 | 733517.9 | 0.0 | S |
| 61.950 | 0.0000 | 0.0000 | 76.980 | 0.87964 | 0.00000 | 789605.1 | 733544.4 | 0.0 | S |
| 61.958 | 0.0000 | 0.0000 | 76.979 | 0.87937 | 0.00000 | 789605.1 | 733570.8 | 0.0 | S |
| 61.967 | 0.0000 | 0.0000 | 76.978 | 0.87910 | 0.00000 | 789605.1 | 733597.1 | 0.0 | S |
| 61.975 | 0.0000 | 0.0000 | 76.977 | 0.87884 | 0.00000 | 789605.1 | 733623.5 | 0.0 | S |
| 61.983 | 0.0000 | 0.0000 | 76.976 | 0.87857 | 0.00000 | 789605.1 | 733649.8 | 0.0 | S |
| 61.992 | 0.0000 | 0.0000 | 76.975 | 0.87831 | 0.00000 | 789605.1 | 733676.2 | 0.0 | S |
| 62.000 | 0.0000 | 0.0000 | 76.974 | 0.87804 | 0.00000 | 789605.1 | 733702.6 | 0.0 | S |
| 62.008 | 0.0000 | 0.0000 | 76.974 | 0.87778 | 0.00000 | 789605.1 | 733728.9 | 0.0 | S |
| 62.017 | 0.0000 | 0.0000 | 76.973 | 0.87751 | 0.00000 | 789605.1 | 733755.2 | 0.0 | S |
| 62.025 | 0.0000 | 0.0000 | 76.972 | 0.87725 | 0.00000 | 789605.1 | 733781.5 | 0.0 | S |
| 62.033 | 0.0000 | 0.0000 | 76.971 | 0.87698 | 0.00000 | 789605.1 | 733807.8 | 0.0 | S |
| 62.042 | 0.0000 | 0.0000 | 76.970 | 0.87672 | 0.00000 | 789605.1 | 733834.1 | 0.0 | S |
| 62.050 | 0.0000 | 0.0000 | 76.969 | 0.87645 | 0.00000 | 789605.1 | 733860.4 | 0.0 | S |
| 62.058 | 0.0000 | 0.0000 | 76.968 | 0.87619 | 0.00000 | 789605.1 | 733886.8 | 0.0 | S |
| 62.067 | 0.0000 | 0.0000 | 76.967 | 0.87592 | 0.00000 | 789605.1 | 733913.0 | 0.0 | S |
| 62.075 | 0.0000 | 0.0000 | 76.966 | 0.87566 | 0.00000 | 789605.1 | 733939.3 | 0.0 | S |
| 62.083 | 0.0000 | 0.0000 | 76.965 | 0.87539 | 0.00000 | 789605.1 | 733965.6 | 0.0 | S |
| 62.092 | 0.0000 | 0.0000 | 76.964 | 0.87513 | 0.00000 | 789605.1 | 733991.8 | 0.0 | S |
| 62.100 | 0.0000 | 0.0000 | 76.963 | 0.87486 | 0.00000 | 789605.1 | 734018.1 | 0.0 | S |
| 62.108 | 0.0000 | 0.0000 | 76.962 | 0.87460 | 0.00000 | 789605.1 | 734044.3 | 0.0 | S |
| 62.117 | 0.0000 | 0.0000 | 76.961 | 0.87433 | 0.00000 | 789605.1 | 734070.6 | 0.0 | S |
| 62.125 | 0.0000 | 0.0000 | 76.960 | 0.87407 | 0.00000 | 789605.1 | 734096.8 | 0.0 | S |
| 62.133 | 0.0000 | 0.0000 | 76.960 | 0.87380 | 0.00000 | 789605.1 | 734123.0 | 0.0 | S |
| 62.142 | 0.0000 | 0.0000 | 76.959 | 0.87354 | 0.00000 | 789605.1 | 734149.2 | 0.0 | S |
| 62.150 | 0.0000 | 0.0000 | 76.958 | 0.87328 | 0.00000 | 789605.1 | 734175.4 | 0.0 | S |
| 62.158 | 0.0000 | 0.0000 | 76.957 | 0.87301 | 0.00000 | 789605.1 | 734201.6 | 0.0 | S |
| 62.167 | 0.0000 | 0.0000 | 76.956 | 0.87275 | 0.00000 | 789605.1 | 734227.8 | 0.0 | S |
| 62.175 | 0.0000 | 0.0000 | 76.955 | 0.87248 | 0.00000 | 789605.1 | 734253.9 | 0.0 | S |
| 62.183 | 0.0000 | 0.0000 | 76.954 | 0.87222 | 0.00000 | 789605.1 | 734280.1 | 0.0 | S |
| 62.192 | 0.0000 | 0.0000 | 76.953 | 0.87195 | 0.00000 | 789605.1 | 734306.3 | 0.0 | S |
| 62.200 | 0.0000 | 0.0000 | 76.952 | 0.87169 | 0.00000 | 789605.1 | 734332.4 | 0.0 | S |
| 62.208 | 0.0000 | 0.0000 | 76.951 | 0.87143 | 0.00000 | 789605.1 | 734358.6 | 0.0 | S |
| 62.217 | 0.0000 | 0.0000 | 76.950 | 0.87116 | 0.00000 | 789605.1 | 734384.8 | 0.0 | S |
| 62.225 | 0.0000 | 0.0000 | 76.949 | 0.87090 | 0.00000 | 789605.1 | 734410.9 | 0.0 | S |
| 62.233 | 0.0000 | 0.0000 | 76.948 | 0.87064 | 0.00000 | 789605.1 | 734437.0 | 0.0 | S |
| 62.242 | 0.0000 | 0.0000 | 76.947 | 0.87037 | 0.00000 | 789605.1 | 734463.1 | 0.0 | S |
| 62.250 | 0.0000 | 0.0000 | 76.946 | 0.87011 | 0.00000 | 789605.1 | 734489.2 | 0.0 | S |
| 62.258 | 0.0000 | 0.0000 | 76.946 | 0.86984 | 0.00000 | 789605.1 | 734515.3 | 0.0 | S |
| 62.267 | 0.0000 | 0.0000 | 76.945 | 0.86958 | 0.00000 | 789605.1 | 734541.4 | 0.0 | S |
| 62.275 | 0.0000 | 0.0000 | 76.944 | 0.86932 | 0.00000 | 789605.1 | 734567.5 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{t}^{3 / 2} \mathrm{~s}$ ) | Outside Recharge (IJday) | Stage Elevation (ft datum) | Infittration Rate $\left(\mathrm{ft}^{3 / 5}\right)$ | Overflow Discharge ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumułative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 62.283 | 0.0000 | 0.0000 | 76.943 | 0.86905 | 0.00000 | 789605.1 | 734593.6 | 0.0 | S |
| 62.292 | 0.0000 | 0.0000 | 76.942 | 0.86879 | 0.00000 | 789605.1 | 734619.6 | 0.0 | S |
| 62.300 | 0.0000 | 0.0000 | 76.941 | 0.86853 | 0.00000 | 789605.1 | 734645.7 | 0.0 | S |
| 62.308 | 0.0000 | 0.0000 | 76.940 | 0.86826 | 0.00000 | 789605.1 | 734671.8 | 0.0 | S |
| 62.317 | 0.0000 | 0.0000 | 76.939 | 0.86800 | 0.00000 | 789605.1 | 734697.8 | 0.0 | S |
| 62.325 | 0.0000 | 0.0000 | 76.938 | 0.86774 | 0.00000 | 789605.1 | 734723.8 | 0.0 | S |
| 62.333 | 0.0000 | 0.0000 | 76.937 | 0.86747 | 0.00000 | 789605.1 | 734749.8 | 0.0 | S |
| 62.342 | 0.0000 | 0.0000 | 76.936 | 0.86721 | 0.00000 | 789605.1 | 734775.9 | 0.0 | S |
| 62.350 | 0.0000 | 0.0000 | 76.935 | 0.86695 | 0.00000 | 789605.1 | 734801.9 | 0.0 | S |
| 62.358 | 0.0000 | 0.0000 | 76.934 | 0.86669 | 0.00000 | 789605.1 | 734827.9 | 0.0 | S |
| 62.367 | 0.0000 | 0.0000 | 76.933 | 0.86642 | 0.00000 | 789605.1 | 734853.9 | 0.0 | S |
| 62.375 | 0.0000 | 0.0000 | 76.932 | 0.86616 | 0.00000 | 789605.1 | 734879.9 | 0.0 | S |
| 62.383 | 0.0000 | 0.0000 | 76.931 | 0.86590 | 0.00000 | 789605.1 | 734905.8 | 0.0 | S |
| 62.392 | 0.0000 | 0.0000 | 76.931 | 0.86564 | 0.00000 | 789605.1 | 734931.8 | 0.0 | S |
| 62.400 | 0.0000 | 0.0000 | 76.930 | 0.86537 | 0.00000 | 789605.1 | 734957.8 | 0.0 | S |
| 62.408 | 0.0000 | 0.0000 | 76.929 | 0.86511 | 0.00000 | 789605.1 | 734983.8 | 0.0 | S |
| 62.417 | 0.0000 | 0.0000 | 76.928 | 0.86485 | 0.00000 | 789605.1 | 735009.7 | 0.0 | S |
| 62.425 | 0.0000 | 0.0000 | 76.927 | 0.86459 | 0.00000 | 789605.1 | 735035.6 | 0.0 | S |
| 62.433 | 0.0000 | 0.0000 | 76.926 | 0.86432 | 0.00000 | 789605.1 | 735061.6 | 0.0 | S |
| 62.442 | 0.0000 | 0.0000 | 76.925 | 0.86406 | 0.00000 | 789605.1 | 735087.5 | 0.0 | S |
| 62.450 | 0.0000 | 0.0000 | 76.924 | 0.86380 | 0.00000 | 789605.1 | 735113.4 | 0.0 | S |
| 62.458 | 0.0000 | 0.0000 | 76.923 | 0.86354 | 0.00000 | 789605.1 | 735139.3 | 0.0 | S |
| 62.467 | 0.0000 | 0.0000 | 76.922 | 0.86327 | 0.00000 | 789605.1 | 735165.2 | 0.0 | S |
| 62.475 | 0.0000 | 0.0000 | 76.921 | 0.86301 | 0.00000 | 789605.1 | 735191.1 | 0.0 | S |
| 62.483 | 0.0000 | 0.0000 | 76.920 | 0.86275 | 0.00000 | 789605.1 | 735217.0 | 0.0 | S |
| 62.492 | 0.0000 | 0.0000 | 76.919 | 0.86249 | 0.00000 | 789605.1 | 735242.9 | 0.0 | S |
| 62.500 | 0.0000 | 0.0000 | 76.918 | 0.86223 | 0.00000 | 789605.1 | 735268.8 | 0.0 | S |
| 62.508 | 0.0000 | 0.0000 | 76.917 | 0.86197 | 0.00000 | 789605.1 | 735294.6 | 0.0 | S |
| 62.517 | 0.0000 | 0.0000 | 76.917 | 0.86170 | 0.00000 | 789605.1 | 735320.4 | 0.0 | S |
| 62.525 | 0.0000 | 0.0000 | 76.916 | 0.86144 | 0.00000 | 789605.1 | 735346.3 | 0.0 | S |
| 62.533 | 0.0000 | 0.0000 | 76.915 | 0.86118 | 0.00000 | 789605.1 | 735372.1 | 0.0 | S |
| 62.542 | 0.0000 | 0.0000 | 76.914 | 0.86092 | 0.00000 | 789605.1 | 735398.0 | 0.0 | S |
| 62.550 | 0.0000 | 0.0000 | 76.913 | 0.86066 | 0.00000 | 789605.1 | 735423.8 | 0.0 | S |
| 62.558 | 0.0000 | 0.0000 | 76.912 | 0.86040 | 0.00000 | 789605.1 | 735449.6 | 0.0 | S |
| 62.567 | 0.0000 | 0.0000 | 76.911 | 0.86014 | 0.00000 | 789605.1 | 735475.4 | 0.0 | S |
| 62.575 | 0.0000 | 0.0000 | 76.910 | 0.85987 | 0.00000 | 789605.1 | 735501.3 | 0.0 | S |
| 62.583 | 0.0000 | 0.0000 | 76.909 | 0.85961 | 0.00000 | 789605.1 | 735527.0 | 0.0 | S |
| 62.592 | 0.0000 | 0.0000 | 76.908 | 0.85935 | 0.00000 | 789605.1 | 735552.8 | 0.0 | S |
| 62.600 | 0.0000 | 0.0000 | 76.907 | 0.85909 | 0.00000 | 789605.1 | 735578.6 | 0.0 | S |
| 62.608 | 0.0000 | 0.0000 | 76.906 | 0.85883 | 0.00000 | 789605.1 | 735604.4 | 0.0 | S |
| 62.617 | 0.0000 | 0.0000 | 76.905 | 0.85857 | 0.00000 | 789605.1 | 735630.1 | 0.0 | S |
| 62.625 | 0.0000 | 0.0000 | 76.904 | 0.85831 | 0.00000 | 789605.1 | 735655.9 | 0.0 | S |
| 62.633 | 0.0000 | 0.0000 | 76.903 | 0.85805 | 0.00000 | 789605.1 | 735681.6 | 0.0 | S |
| 62.642 | 0.0000 | 0.0000 | 76.903 | 0.85779 | 0.00000 | 789605.1 | 735707.4 | 0.0 | S |
| 62.650 | 0.0000 | 0.0000 | 76.902 | 0.85753 | 0.00000 | 789605.1 | 735733.1 | 0.0 | S |
| 62.658 | 0.0000 | 0.0000 | 76.901 | 0.85727 | 0.00000 | 789605.1 | 735758.8 | 0.0 | S |
| 62.667 | 0.0000 | 0.0000 | 76.900 | 0.85701 | 0.00000 | 789605.1 | 735784.5 | 0.0 | S |
| 62.675 | 0.0000 | 0.0000 | 76.899 | 0.85674 | 0.00000 | 789605.1 | 735810.3 | 0.0 | S |
| 62.683 | 0.0000 | 0.0000 | 76.898 | 0.85648 | 0.00000 | 789605.1 | 735835.9 | 0.0 | S |
| 62.692 | 0.0000 | 0.0000 | 76.897 | 0.85622 | 0.00000 | 789605.1 | 735861.6 | 0.0 | S |
| 62.700 | 0.0000 | 0.0000 | 76.896 | 0.85596 | 0.00000 | 789605.1 | 735887.3 | 0.0 | S |
| 62.708 | 0.0000 | 0.0000 | 76.895 | 0.85570 | 0.00000 | 789605.1 | 735913.0 | 0.0 | S |
| 62.717 | 0.0000 | 0.0000 | 76.894 | 0.85544 | 0.00000 | 789605.1 | 735938.6 | 0.0 | S |
| 62.725 | 0.0000 | 0.0000 | 76.893 | 0.85518 | 0.00000 | 789605.1 | 735964.3 | 0.0 | S |
| 62.733 | 0.0000 | 0.0000 | 76.892 | 0.85492 | 0.00000 | 789605.1 | 735989.9 | 0.0 | S |
| 62.742 | 0.0000 | 0.0000 | 76.891 | 0.85466 | 0.00000 | 789605.1 | 736015.6 | 0.0 | S |
| 62.750 | 0.0000 | 0.0000 | 76.890 | 0.85440 | 0.00000 | 789605.1 | 736041.3 | 0.0 | S |
| 62.758 | 0.0000 | 0.0000 | 76.889 | 0.85414 | 0.00000 | 789605.1 | 736066.9 | 0.0 | S |
| 62.767 | 0.0000 | 0.0000 | 76.889 | 0.85388 | 0.00000 | 789605.1 | 736092.5 | 0.0 | S |
| 62.775 | 0.0000 | 0.0000 | 76.888 | 0.85362 | 0.00000 | 789605.1 | 736118.1 | 0.0 | S |
| 62.783 | 0.0000 | 0.0000 | 76.887 | 0.85337 | 0.00000 | 789605.1 | 736143.7 | 0.0 | S |
| 62.792 | 0.0000 | 0.0000 | 76.886 | 0.85311 | 0.00000 | 789605.1 | 736169.3 | 0.0 | S |
| 62.800 | 0.0000 | 0.0000 | 76.885 | 0.85285 | 0.00000 | 789605.1 | 736194.9 | 0.0 | S |
| 62.808 | 0.0000 | 0.0000 | 76.884 | 0.85259 | 0.00000 | 789605.1 | 736220.4 | 0.0 | S |
| 62.817 | 0.0000 | 0.0000 | 76.883 | 0.85233 | 0.00000 | 789605.1 | 736246.1 | 0.0 | S |
| 62.825 | 0.0000 | 0.0000 | 76.882 | 0.85207 | 0.00000 | 789605.1 | 736271.6 | 0.0 | S |
| 62.833 | 0.0000 | 0.0000 | 76.881 | 0.85181 | 0.00000 | 789605.1 | 736297.2 | 0.0 | S |
| 62.842 | 0.0000 | 0.0000 | 76.880 | 0.85155 | 0.00000 | 789605.1 | 736322.7 | 0.0 | S |
| 62.850 | 0.0000 | 0.0000 | 76.879 | 0.85129 | 0.00000 | 789605.1 | 736348.3 | 0.0 | S |
| 62.858 | 0.0000 | 0.0000 | 76.878 | 0.85103 | 0.00000 | 789605.1 | 736373.8 | 0.0 | S |
| 62.867 | 0.0000 | 0.0000 | 76.877 | 0.85077 | 0.00000 | 789605.1 | 736399.3 | 0.0 | S |
| 62.875 | 0.0000 | 0.0000 | 76.876 | 0.85051 | 0.00000 | 789605.1 | 736424.8 | 0.0 | S |
| 62.883 | 0.0000 | 0.0000 | 76.875 | 0.85026 | 0.00000 | 789605.1 | 736450.4 | 0.0 | S |
| 62.892 | 0.0000 | 0.0000 | 76.875 | 0.85000 | 0.00000 | 789605.1 | 736475.9 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 5100 yr/24 hr

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (fuday) | Stage Elevation (t datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overilow <br> Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative <br> Discharge <br> Volume ( $\mathrm{ft}^{\mathrm{t}}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 62.900 | 0.0000 | 0.0000 | 76.874 | 0.84974 | 0.00000 | 789605.1 | 736501.4 | 0.0 | S |
| 62.908 | 0.0000 | 0.0000 | 76.873 | 0.84948 | 0.00000 | 789605.1 | 736526.8 | 0.0 | S |
| 62.917 | 0.0000 | 0.0000 | 76.872 | 0.84922 | 0.00000 | 789605.1 | 736552.3 | 0.0 | S |
| 62.925 | 0.0000 | 0.0000 | 76.871 | 0.84896 | 0.00000 | 789605.1 | 736577.8 | 0.0 | S |
| 62.933 | 0.0000 | 0.0000 | 76.870 | 0.84870 | 0.00000 | 789605.1 | 736603.3 | 0.0 | S |
| 62.942 | 0.0000 | 0.0000 | 76.869 | 0.84845 | 0.00000 | 789605.1 | 736628.7 | 0.0 | S |
| 62.950 | 0.0000 | 0.0000 | 76.868 | 0.84819 | 0.00000 | 789605.1 | 736654.2 | 0.0 | S |
| 62.958 | 0.0000 | 0.0000 | 76.867 | 0.84793 | 0.00000 | 789605.1 | 736679.6 | 0.0 | S |
| 62.967 | 0.0000 | 0.0000 | 76.866 | 0.84767 | 0.00000 | 789605.1 | 736705.1 | 0.0 | S |
| 62.975 | 0.0000 | 0.0000 | 76.865 | 0.84741 | 0.00000 | 789605.1 | 736730.4 | 0.0 | S |
| 62.983 | 0.0000 | 0.0000 | 76.864 | 0.84716 | 0.00000 | 789605.1 | 736755.9 | 0.0 | S |
| 62.992 | 0.0000 | 0.0000 | 76.863 | 0.84690 | 0.00000 | 789605.1 | 736781.3 | 0.0 | S |
| 63.000 | 0.0000 | 0.0000 | 76.862 | 0.84664 | 0.00000 | 789605.1 | 736806.7 | 0.0 | S |
| 63.008 | 0.0000 | 0.0000 | 76.861 | 0.84638 | 0.00000 | 789605.1 | 736832.1 | 0.0 | S |
| 63.017 | 0.0000 | 0.0000 | 76.861 | 0.84612 | 0.00000 | 789605.1 | 736857.5 | 0.0 | S |
| 63.025 | 0.0000 | 0.0000 | 76.860 | 0.84587 | 0.00000 | 789605.1 | 736882.9 | 0.0 | S |
| 63.033 | 0.0000 | 0.0000 | 76.859 | 0.84561 | 0.00000 | 789605.1 | 736908.3 | 0.0 | S |
| 63.042 | 0.0000 | 0.0000 | 76.858 | 0.84535 | 0.00000 | 789605.1 | 736933.6 | 0.0 | S |
| 63.050 | 0.0000 | 0.0000 | 76.857 | 0.84509 | 0.00000 | 789605.1 | 736958.9 | 0.0 | S |
| 63.058 | 0.0000 | 0.0000 | 76.856 | 0.84484 | 0.00000 | 789605.1 | 736984.3 | 0.0 | S |
| 63.067 | 0.0000 | 0.0000 | 76.855 | 0.84458 | 0.00000 | 789605.1 | 737009.6 | 0.0 | S |
| 63.075 | 0.0000 | 0.0000 | 76.854 | 0.84432 | 0.00000 | 789605.1 | 737035.0 | 0.0 | S |
| 63.083 | 0.0000 | 0.0000 | 76.853 | 0.84406 | 0.00000 | 789605.1 | 737060.3 | 0.0 | S |
| 63.092 | 0.0000 | 0.0000 | 76.852 | 0.84381 | 0.00000 | 789605.1 | 737085.6 | 0.0 | S |
| 63.100 | 0.0000 | 0.0000 | 76.851 | 0.84355 | 0.00000 | 789605.1 | 737110.9 | 0.0 | S |
| 63.108 | 0.0000 | 0.0000 | 76.850 | 0.84329 | 0.00000 | 789605.1 | 737136.3 | 0.0 | S |
| 63.117 | 0.0000 | 0.0000 | 76.849 | 0.84304 | 0.00000 | 789605.1 | 737161.5 | 0.0 | S |
| 63.125 | 0.0000 | 0.0000 | 76.848 | 0.84278 | 0.00000 | 789605.1 | 737186.8 | 0.0 | S |
| 63.133 | 0.0000 | 0.0000 | 76.847 | 0.84252 | 0.00000 | 789605.1 | 737212.1 | 0.0 | S |
| 63.142 | 0.0000 | 0.0000 | 76.847 | 0.84227 | 0.00000 | 789605.1 | 737237.4 | 0.0 | S |
| 63.150 | 0.0000 | 0.0000 | 76.846 | 0.84201 | 0.00000 | 789605. | 737262.6 | 0.0 | S |
| 63.158 | 0.0000 | 0.0000 | 76.845 | 0.84175 | 0.00000 | 789605.1 | 737287.9 | 0.0 | S |
| 63.167 | 0.0000 | 0.0000 | 76.844 | 0.84150 | 0.00000 | 789605.1 | 737313.1 | 0.0 | S |
| 63.175 | 0.0000 | 0.0000 | 76.843 | 0.84124 | 0.00000 | 789605.1 | 737338.4 | 0.0 | S |
| 63.183 | 0.0000 | 0.0000 | 76.842 | 0.84098 | 0.00000 | 789605.1 | 737363.6 | 0.0 | S |
| 63.192 | 0.0000 | 0.0000 | 76.841 | 0.84073 | 0.00000 | 789605.1 | 737388.8 | 0.0 | S |
| 63.200 | 0.0000 | 0.0000 | 76.840 | 0.84047 | 0.00000 | 789605.1 | 737414.1 | 0.0 | S |
| 63.208 | 0.0000 | 0.0000 | 76.839 | 0.84021 | 0.00000 | 789605.1 | 737439.3 | 0.0 | S |
| 63.217 | 0.0000 | 0.0000 | 76.838 | 0.83996 | 0.00000 | 789605.1 | 737464.4 | 0.0 | S |
| 63.225 | 0.0000 | 0.0000 | 76.837 | 0.83970 | 0.00000 | 789605.1 | 737489.7 | 0.0 | S |
| 63.233 | 0.0000 | 0.0000 | 76.836 | 0.83945 | 0.00000 | 789605.1 | 737514.9 | 0.0 | S |
| 63.242 | 0.0000 | 0.0000 | 76.835 | 0.83919 | 0.00000 | 789605.1 | 737540.0 | 0.0 | S |
| 63.250 | 0.0000 | 0.0000 | 76.834 | 0.83893 | 0.00000 | 789605.1 | 737565.2 | 0.0 | S |
| 63.258 | 0.0000 | 0.0000 | 76.833 | 0.83868 | 0.00000 | 789605.1 | 737590.4 | 0.0 | S |
| 63.267 | 0.0000 | 0.0000 | 76.833 | 0.83842 | 0.00000 | 789605.1 | 737615.5 | 0.0 | S |
| 63.275 | 0.0000 | 0.0000 | 76.832 | 0.83817 | 0.00000 | 789605.1 | 737640.7 | 0.0 | S |
| 63.283 | 0.0000 | 0.0000 | 76.831 | 0.83791 | 0.00000 | 789605.1 | 737665.8 | 0.0 | S |
| 63.292 | 0.0000 | 0.0000 | 76.830 | 0.83765 | 0.00000 | 789605.1 | 737690.9 | 0.0 | S |
| 63.300 | 0.0000 | 0.0000 | 76.829 | 0.83740 | 0.00000 | 789605.1 | 737716.1 | 0.0 | S |
| 63.308 | 0.0000 | 0.0000 | 76.828 | 0.83714 | 0.00000 | 789605.1 | 737741.2 | 0.0 | S |
| 63.317 | 0.0000 | 0.0000 | 76.827 | 0.83689 | 0.00000 | 789605.1 | 737766.3 | 0.0 | S |
| 63.325 | 0.0000 | 0.0000 | 76.826 | 0.83663 | 0.00000 | 789605.1 | 737791.4 | 0.0 | S |
| 63.333 | 0.0000 | 0.0000 | 76.825 | 0.83638 | 0.00000 | 789605.1 | 737816.5 | 0.0 | S |
| 63.342 | 0.0000 | 0.0000 | 76.824 | 0.83612 | 0.00000 | 789605.1 | 737841.6 | 0.0 | S |
| 63.350 | 0.0000 | 0.0000 | 76.823 | 0.83587 | 0.00000 | 789605.1 | 737866.7 | 0.0 | S |
| 63.358 | 0.0000 | 0.0000 | 76.822 | 0.83561 | 0.00000 | 789605.1 | 737891.8 | 0.0 | S |
| 63.367 | 0.0000 | 0.0000 | 76.821 | 0.83536 | 0.00000 | 789605.1 | 737916.8 | 0.0 | S |
| 63.375 | 0.0000 | 0.0000 | 76.820 | 0.83510 | 0.00000 | 789605.1 | 737941.9 | 0.0 | S |
| 63.383 | 0.0000 | 0.0000 | 76.819 | 0.83485 | 0.00000 | 789605.1 | 737966.9 | 0.0 | S |
| 63.392 | 0.0000 | 0.0000 | 76.819 | 0.83459 | 0.00000 | 789605.1 | 737991.9 | 0.0 | S |
| 63.400 | 0.0000 | 0.0000 | 76.818 | 0.83434 | 0.00000 | 789605.1 | 738017.0 | 0.0 | S |
| 63.408 | 0.0000 | 0.0000 | 76.817 | 0.83408 | 0.00000 | 789605.1 | 738042.0 | 0.0 | S |
| 63.417 | 0.0000 | 0.0000 | 76.816 | 0.83383 | 0.00000 | 789605.1 | 738067.0 | 0.0 | S |
| 63.425 | 0.0000 | 0.0000 | 76.815 | 0.83357 | 0.00000 | 789605.1 | 738092.1 | 0.0 | S |
| 63.433 | 0.0000 | 0.0000 | 76.814 | 0.83332 | 0.00000 | 789605.1 | 738117.1 | 0.0 | S |
| 63.442 | 0.0000 | 0.0000 | 76.813 | 0.83306 | 0.00000 | 788605.1 | 738142.1 | 0.0 | S |
| 63.450 | 0.0000 | 0.0000 | 76.812 | 0.83281 | 0.00000 | 789605.1 | 738167.0 | 0.0 | S |
| 63.458 | 0.0000 | 0.0000 | 76.811 | 0.83256 | 0.00000 | 789605.1 | 738192.0 | 0.0 | S |
| 63.467 | 0.0000 | 0.0000 | 76.810 | 0.83230 | 0.00000 | 789605.1 | 738217.0 | 0.0 | S |
| 63.475 | 0.0000 | 0.0000 | 76.809 | 0.83205 | 0.00000 | 789605.1 | 738241.9 | 0.0 | S |
| 63.483 | 0.0000 | 0.0000 | 76.808 | 0.83179 | 0.00000 | 789605.1 | 738266.9 | 0.0 | S |
| 63.492 | 0.0000 | 0.0000 | 76.807 | 0.83154 | 0.00000 | 789605.1 | 738291.9 | 0.0 | S |
| 63.500 | 0.0000 | 0.0000 | 76.806 | 0.83129 | 0.00000 | 789605.1 | 738316.8 | 0.0 | S |
| 63.508 | 0.0000 | 0.0000 | 76.805 | 0.83103 | 0.00000 | 789605.1 | 738341.8 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) $::$ Scenario $1::$ Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Infiow Rate (ft ${ }^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate (ft ${ }^{3 / 5}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | $\begin{aligned} & \text { Cumulative } \\ & \text { Inflow } \\ & \text { Volume }\left(\mathrm{ft}^{3}\right) \end{aligned}$ | Cumulative Infiltration Volume ( $\mathrm{H}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 63.517 | 0.0000 | 0.0000 | 76.805 | 0.83078 | 0.00000 | 789605.1 | 738366.6 | 0.0 | S |
| 63.525 | 0.0000 | 0.0000 | 76.804 | 0.83052 | 0.00000 | 789605.1 | 738391.6 | 0.0 | S |
| 63.533 | 0.0000 | 0.0000 | 76.803 | 0.83027 | 0.00000 | 789605.1 | 738416.5 | 0.0 | S |
| 63.542 | 0.0000 | 0.0000 | 76.802 | 0.83002 | 0.00000 | 789605.1 | 738441.4 | 0.0 | S |
| 63.550 | 0.0000 | 0.0000 | 76.801 | 0.82976 | 0.00000 | 789605.1 | 738466.3 | 0.0 | S |
| 63.558 | 0.0000 | 0.0000 | 76.800 | 0.82951 | 0.00000 | 789605.1 | 738491.2 | 0.0 | S |
| 63.567 | 0.0000 | 0.0000 | 76.799 | 0.82926 | 0.00000 | 789605.1 | 738516.1 | 0.0 | S |
| 63.575 | 0.0000 | 0.0000 | 76.798 | 0.82900 | 0.00000 | 789605.1 | 738540.9 | 0.0 | S |
| 63.583 | 0.0000 | 0.0000 | 76.797 | 0.82875 | 0.00000 | 789605.1 | 738565.8 | 0.0 | S |
| 63.592 | 0.0000 | 0.0000 | 76.796 | 0.82850 | 0.00000 | 789605.1 | 738590.6 | 0.0 | S |
| 63.600 | 0.0000 | 0.0000 | 76.795 | 0.82824 | 0.00000 | 789605.1 | 738615.5 | 0.0 | S |
| 63.608 | 0.0000 | 0.0000 | 76.794 | 0.82799 | 0.00000 | 789605.1 | 738640.4 | 0.0 | S |
| 63.617 | 0.0000 | 0.0000 | 76.793 | 0.82774 | 0.00000 | 789605.1 | 738665.2 | 0.0 | S |
| 63.625 | 0.0000 | 0.0000 | 76.792 | 0.82748 | 0.00000 | 789605.1 | 738690.0 | 0.0 | S |
| 63.633 | 0.0000 | 0.0000 | 76.791 | 0.82723 | 0.00000 | 789605.1 | 738714.8 | 0.0 | S |
| 63.642 | 0.0000 | 0.0000 | 76.791 | 0.82698 | 0.00000 | 789605.1 | 738739.6 | 0.0 | S |
| 63.650 | 0.0000 | 0.0000 | 76.790 | 0.82672 | 0.00000 | 789605.1 | 738764.4 | 0.0 | S |
| 63.658 | 0.0000 | 0.0000 | 76.789 | 0.82647 | 0.00000 | 789605.1 | 738789.3 | 0.0 | S |
| 63.667 | 0.0000 | 0.0000 | 76.788 | 0.82622 | 0.00000 | 789605.1 | 738814.1 | 0.0 | S |
| 63.675 | 0.0000 | 0.0000 | 76.787 | 0.82597 | 0.00000 | 789605.1 | 738838.8 | 0.0 | S |
| 63.683 | 0.0000 | 0.0000 | 76.786 | 0.82571 | 0.00000 | 789605.1 | 738863.6 | 0.0 | S |
| 63.692 | 0.0000 | 0.0000 | 76.785 | 0.82546 | 0.00000 | 789605.1 | 738888.4 | 0.0 | S |
| 63.700 | 0.0000 | 0.0000 | 76.784 | 0.82521 | 0.00000 | 789605.1 | 738913.1 | 0.0 | S |
| 63.708 | 0.0000 | 0.0000 | 76.783 | 0.82496 | 0.00000 | 789605.1 | 738937.9 | 0.0 | S |
| 63.717 | 0.0000 | 0.0000 | 76.782 | 0.82470 | 0.00000 | 789605.1 | 738962.6 | 0.0 | S |
| 63.725 | 0.0000 | 0.0000 | 76.781 | 0.82445 | 0.00000 | 789605.1 | 738987.4 | 0.0 | S |
| 63.733 | 0.0000 | 0.0000 | 76.780 | 0.82420 | 0.00000 | 789605.1 | 739012.1 | 0.0 | S |
| 63.742 | 0.0000 | 0.0000 | 76.779 | 0.82395 | 0.00000 | 789605.1 | 739036.8 | 0.0 | S |
| 63.750 | 0.0000 | 0.0000 | 76.778 | 0.82370 | 0.00000 | 789605.1 | 739061.5 | 0.0 | S |
| 63.758 | 0.0000 | 0.0000 | 76.777 | 0.82344 | 0.00000 | 789605.1 | 739086.3 | 0.0 | S |
| 63.767 | 0.0000 | 0.0000 | 76.777 | 0.82319 | 0.00000 | 789605.1 | 739110.9 | 0.0 | S |
| 63.775 | 0.0000 | 0.0000 | 76.776 | 0.82294 | 0.00000 | 789605.1 | 739135.6 | 0.0 | S |
| 63.783 | 0.0000 | 0.0000 | 76.775 | 0.82269 | 0.00000 | 789605.1 | 739160.3 | 0.0 | S |
| 63.792 | 0.0000 | 0.0000 | 76.774 | 0.82244 | 0.00000 | 789605.1 | 739185.0 | 0.0 | S |
| 63.800 | 0.0000 | 0.0000 | 76.773 | 0.82218 | 0.00000 | 789605.1 | 739209.7 | 0.0 | S |
| 63.808 | 0.0000 | 0.0000 | 76.772 | 0.82193 | 0.00000 | 789605.1 | 739234.3 | 0.0 | S |
| 63.817 | 0.0000 | 0.0000 | 76.771 | 0.82168 | 0.00000 | 789605.1 | 739259.0 | 0.0 | S |
| 63.825 | 0.0000 | 0.0000 | 76.770 | 0.82143 | 0.00000 | 789605.1 | 739283.6 | 0.0 | S |
| 63.833 | 0.0000 | 0.0000 | 76.769 | 0.82118 | 0.00000 | 789605.1 | 739308.3 | 0.0 | S |
| 63.842 | 0.0000 | 0.0000 | 76.768 | 0.82093 | 0.00000 | 789605.1 | 739332.9 | 0.0 | S |
| 63.850 | 0.0000 | 0.0000 | 76.767 | 0.82068 | 0.00000 | 789605.1 | 739357.5 | 0.0 | S |
| 63.858 | 0.0000 | 0.0000 | 76.766 | 0.82042 | 0.00000 | 789605.1 | 739382.1 | 0.0 | S |
| 63.867 | 0.0000 | 0.0000 | 76.765 | 0.82017 | 0.00000 | 789605.1 | 739406.8 | 0.0 | S |
| 63.875 | 0.0000 | 0.0000 | 76.764 | 0.81992 | 0.00000 | 789605.1 | 739431.3 | 0.0 | S |
| 63.883 | 0.0000 | 0.0000 | 76.764 | 0.81967 | 0.00000 | 789605.1 | 739455.9 | 0.0 | S |
| 63.892 | 0.0000 | 0.0000 | 76.763 | 0.81942 | 0.00000 | 789605.1 | 739480.5 | 0.0 | S |
| 63.900 | 0.0000 | 0.0000 | 76.762 | 0.81917 | 0.00000 | 789605.1 | 739505.1 | 0.0 | S |
| 63.908 | 0.0000 | 0.0000 | 76.761 | 0.81892 | 0.00000 | 789605.1 | 739529.7 | 0.0 | S |
| 63.917 | 0.0000 | 0.0000 | 76.760 | 0.81867 | 0.00000 | 789605.1 | 739554.3 | 0.0 | S |
| 63.925 | 0.0000 | 0.0000 | 76.759 | 0.81842 | 0.00000 | 789605.1 | 739578.8 | 0.0 | S |
| 63.933 | 0.0000 | 0.0000 | 76.758 | 0.81817 | 0.00000 | 789605.1 | 739603.3 | 0.0 | S |
| 63.942 | 0.0000 | 0.0000 | 76.757 | 0.81791 | 0.00000 | 789605.1 | 739627.9 | 0.0 | S |
| 63.950 | 0.0000 | 0.0000 | 76.756 | 0.81766 | 0.00000 | 789605.1 | 739652.4 | 0.0 | S |
| 63.958 | 0.0000 | 0.0000 | 76.755 | 0.81741 | 0.00000 | 789605.1 | 739676.9 | 0.0 | S |
| 63.967 | 0.0000 | 0.0000 | 76.754 | 0.81716 | 0.00000 | 789605.1 | 739701.4 | 0.0 | S |
| 63.975 | 0.0000 | 0.0000 | 76.753 | 0.81691 | 0.00000 | 789605.1 | 739726.0 | 0.0 | S |
| 63.983 | 0.0000 | 0.0000 | 76.752 | 0.81666 | 0.00000 | 789605.1 | 739750.5 | 0.0 | S |
| 63.992 | 0.0000 | 0.0000 | 76.751 | 0.81641 | 0.00000 | 789605.1 | 739775.0 | 0.0 | S |
| 64.000 | 0.0000 | 0.0000 | 76.750 | 0.81616 | 0.00000 | 789605.1 | 739799.4 | 0.0 | S |
| 64.008 | 0.0000 | 0.0000 | 76.750 | 0.81591 | 0.00000 | 789605.1 | 739823.9 | 0.0 | S |
| 64.017 | 0.0000 | 0.0000 | 76.749 | 0.81566 | 0.00000 | 789605.1 | 739848.4 | 0.0 | S |
| 64.025 | 0.0000 | 0.0000 | 76.748 | 0.81541 | 0.00000 | 789605.1 | 739872.9 | 0.0 | S |
| 64.033 | 0.0000 | 0.0000 | 76.747 | 0.81516 | 0.00000 | 789605.1 | 739897.3 | 0.0 | S |
| 64.042 | 0.0000 | 0.0000 | 76.746 | 0.81491 | 0.00000 | 789605.1 | 739921.8 | 0.0 | S |
| 64.050 | 0.0000 | 0.0000 | 76.745 | 0.81466 | 0.00000 | 789605.1 | 739946.3 | 0.0 | S |
| 64.058 | 0.0000 | 0,0000 | 76.744 | 0.81441 | 0.00000 | 789605.1 | 739970.7 | 0.0 | S |
| 64.067 | 0.0000 | 0.0000 | 76.743 | 0.81416 | 0.00000 | 789605.1 | 739995.1 | 0.0 | S |
| 64.075 | 0.0000 | 0.0000 | 76.742 | 0.81391 | 0.00000 | 789605.1 | 740019.5 | 0.0 | S |
| 64.083 | 0.0000 | 0.0000 | 76.741 | 0.81366 | 0.00000 | 789605.1 | 740043.9 | 0.0 | S |
| 64.092 | 0.0000 | 0.0000 | 76.740 | 0.81341 | 0.00000 | 789605.1 | 740068.3 | 0.0 | S |
| 64.100 | 0.0000 | 0.0000 | 76.739 | 0.81316 | 0.00000 | 789605.1 | 740092.8 | 0.0 | S |
| 64.108 | 0.0000 | 0.0000 | 76.738 | 0.81291 | 0.00000 | 789605.1 | 740117.1 | 0.0 | S |
| 64.117 | 0.0000 | 0.0000 | 76.737 | 0.81267 | 0.00000 | 789605.1 | 740141.5 | 0.0 | S |
| 64.125 | 0.0000 | 0.0000 | 76.736 | 0.81242 | 0.00000 | 789605.1 | 740165.9 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) $\because:$ Scenario $1: \because$ Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | inflow Rate (ft³/s) | Outside Recharge (flday) | Stage Elevation (fl datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge (ft ${ }^{3 / \mathrm{s}}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 64.133 | 0.0000 | 0.0000 | 76.736 | 0.81217 | 0.00000 | 789605.1 | 740190.3 | 0.0 | S |
| 64.142 | 0.0000 | 0.0000 | 76.735 | 0.81192 | 0.00000 | 789605.1 | 740214.6 | 0.0 | S |
| 64.150 | 0.0000 | 0.0000 | 76.734 | 0.81167 | 0.00000 | 789605.1 | 740239.0 | 0.0 | S |
| 64.158 | 0.0000 | 0.0000 | 76.733 | 0.81142 | 0.00000 | 789605.1 | 740263.3 | 0.0 | S |
| 64.167 | 0.0000 | 0.0000 | 76.732 | 0.81117 | 0.00000 | 789605.1 | 740287.7 | 0.0 | S |
| 64.175 | 0.0000 | 0.0000 | 76.731 | 0.81092 | 0.00000 | 789605.1 | 740312.0 | 0.0 | S |
| 64.183 | 0.0000 | 0.0000 | 76.730 | 0.81067 | 0.00000 | 789605.1 | 740336.3 | 0.0 | S |
| 64.192 | 0.0000 | 0.0000 | 76.729 | 0.81042 | 0.00000 | 789605.1 | 740360.6 | 0.0 | S |
| 64.200 | 0.0000 | 0.0000 | 76.728 | 0.81018 | 0.00000 | 789605.1 | 740384.9 | 0.0 | S |
| 64.208 | 0.0000 | 0.0000 | 76.727 | 0.80993 | 0.00000 | 789605.1 | 740409.3 | 0.0 | S |
| 64.217 | 0.0000 | 0.0000 | 76.726 | 0.80968 | 0.00000 | 789605.1 | 740433.6 | 0.0 | S |
| 64.225 | 0.0000 | 0.0000 | 76.725 | 0.80943 | 0.00000 | 789605.1 | 740457.8 | 0.0 | S |
| 64.233 | 0.0000 | 0.0000 | 76.724 | 0.80918 | 0.00000 | 789605.1 | 740482.1 | 0.0 | S |
| 64.242 | 0.0000 | 0.0000 | 76.723 | 0.80893 | 0.00000 | 789605.1 | 740506.4 | 0.0 | S |
| 64.250 | 0.0000 | 0.0000 | 76.723 | 0.80868 | 0.00000 | 789605.1 | 740530.6 | 0.0 | S |
| 64.258 | 0.0000 | 0.0000 | 76.722 | 0.80844 | 0.00000 | 789605.1 | 740554.9 | 0.0 | S |
| 64.267 | 0.0000 | 0.0000 | 76.721 | 0.80819 | 0.00000 | 789605.1 | 740579.1 | 0.0 | S |
| 64.275 | 0.0000 | 0.0000 | 76.720 | 0.80794 | 0.00000 | 789605.1 | 740603.4 | 0.0 | S |
| 64.283 | 0.0000 | 0.0000 | 76.719 | 0.80769 | 0.00000 | 789605.1 | 740627.6 | 0.0 | S |
| 64.292 | 0.0000 | 0.0000 | 76.718 | 0.80744 | 0.00000 | 789605.1 | 740651.9 | 0.0 | S |
| 64.300 | 0.0000 | 0.0000 | 76.717 | 0.80720 | 0.00000 | 789605.1 | 740676.1 | 0.0 | S |
| 64.308 | 0.0000 | 0.0000 | 76.716 | 0.80695 | 0.00000 | 789605.1 | 740700.3 | 0.0 | S |
| 64.317 | 0.0000 | 0.0000 | 76.715 | 0.80670 | 0.00000 | 789605.1 | 740724.5 | 0.0 | S |
| 64.325 | 0.0000 | 0.0000 | 76.714 | 0.80645 | 0.00000 | 789605.1 | 740748.7 | 0.0 | S |
| 64.333 | 0.0000 | 0.0000 | 76.713 | 0.80620 | 0.00000 | 789605.1 | 740772.9 | 0.0 | S |
| 64.342 | 0.0000 | 0.0000 | 76.712 | 0.80596 | 0.00000 | 789605.1 | 740797.1 | 0.0 | S |
| 64.350 | 0.0000 | 0.0000 | 76.711 | 0.80571 | 0.00000 | 789605.1 | 740821.3 | 0.0 | S |
| 64.358 | 0.0000 | 0.0000 | 76.710 | 0.80546 | 0.00000 | 789605.1 | 740845.4 | 0.0 | S |
| 64.367 | 0.0000 | 0.0000 | 76.709 | 0.80521 | 0.00000 | 789605.1 | 740869.6 | 0.0 | S |
| 64.375 | 0.0000 | 0.0000 | 76.709 | 0.80497 | 0.00000 | 789605.1 | 740893.7 | 0.0 | S |
| 64.383 | 0.0000 | 0.0000 | 76.708 | 0.80472 | 0.00000 | 789605.1 | 740917.9 | 0.0 | S |
| 64.392 | 0.0000 | 0.0000 | 76.707 | 0.80447 | 0.00000 | 789605.1 | 740942.0 | 0.0 | S |
| 64.400 | 0.0000 | 0.0000 | 76.706 | 0.80422 | 0.00000 | 789605.1 | 740966.1 | 0.0 | S |
| 64.408 | 0.0000 | 0.0000 | 76.705 | 0.80398 | 0.00000 | 789605.1 | 740990.3 | 0.0 | S |
| 64.417 | 0.0000 | 0.0000 | 76.704 | 0.80373 | 0.00000 | 789605.1 | 741014.4 | 0.0 | S |
| 64.425 | 0.0000 | 0.0000 | 76.703 | 0.80348 | 0.00000 | 789605.1 | 741038.4 | 0.0 | S |
| 64.433 | 0.0000 | 0.0000 | 76.702 | 0.80324 | 0.00000 | 789605.1 | 741062.6 | 0.0 | S |
| 64.442 | 0.0000 | 0.0000 | 76.701 | 0.80299 | 0.00000 | 789605.1 | 741086.7 | 0.0 | S |
| 64.450 | 0.0000 | 0.0000 | 76.700 | 0.80274 | 0.00000 | 789605.1 | 741110.8 | 0.0 | S |
| 64.458 | 0.0000 | 0.0000 | 76.699 | 0.80249 | 0.00000 | 789605.1 | 741134.8 | 0.0 | S |
| 64.467 | 0.0000 | 0.0000 | 76.698 | 0.80225 | 0.00000 | 789605.1 | 741158.9 | 0.0 | S |
| 64.475 | 0.0000 | 0.0000 | 76.697 | 0.80200 | 0.00000 | 789605.1 | 741182.9 | 0.0 | S |
| 64.483 | 0.0000 | 0.0000 | 76.696 | 0.80175 | 0.00000 | 789605.1 | 741207.0 | 0.0 | S |
| 64.492 | 0.0000 | 0.0000 | 76.695 | 0.80151 | 0.00000 | 789605.1 | 741231.1 | 0.0 | S |
| 64.500 | 0.0000 | 0.0000 | 76.695 | 0.80126 | 0.00000 | 789605.1 | 741255.1 | 0.0 | S |
| 64.508 | 0.0000 | 0.0000 | 76.694 | 0.80101 | 0.00000 | 789605.1 | 741279.1 | 0.0 | S |
| 64.517 | 0.0000 | 0.0000 | 76.693 | 0.80076 | 0.00000 | 789605.1 | 741303.2 | 0.0 | S |
| 64.525 | 0.0000 | 0.0000 | 76.692 | 0.80052 | 0.00000 | 789605.1 | 741327.2 | 0.0 | S |
| 64.533 | 0.0000 | 0.0000 | 76.691 | 0.80027 | 0.00000 | 789605.1 | 741351.2 | 0.0 | S |
| 64.542 | 0.0000 | 0.0000 | 76.690 | 0.80003 | 0.00000 | 789605.1 | 741375.2 | 0.0 | S |
| 64.550 | 0.0000 | 0.0000 | 76.689 | 0.79978 | 0.00000 | 789605.1 | 741399.2 | 0.0 | S |
| 64.558 | 0.0000 | 0.0000 | 76.688 | 0.79953 | 0.00000 | 789605.1 | 741423.2 | 0.0 | S |
| 64.567 | 0.0000 | 0.0000 | 76.687 | 0.79929 | 0.00000 | 789605.1 | 741447.2 | 0.0 | S |
| 64.575 | 0.0000 | 0.0000 | 76.686 | 0.79904 | 0.00000 | 789605.1 | 741471.1 | 0.0 | S |
| 64.583 | 0.0000 | 0.0000 | 76.685 | 0.79880 | 0.00000 | 789605.1 | 741495.1 | 0.0 | S |
| 64.592 | 0.0000 | 0.0000 | 76.684 | 0.79855 | 0.00000 | 789605.1 | 741519.1 | 0.0 | S |
| 64.600 | 0.0000 | 0.0000 | 76.683 | 0.79830 | 0.00000 | 789605.1 | 741543.0 | 0.0 | S |
| 64.608 | 0.0000 | 0.0000 | 76.682 | 0.79806 | 0.00000 | 789605.1 | 741567.0 | 0.0 | S |
| 64.617 | 0.0000 | 0.0000 | 76.682 | 0.79781 | 0.00000 | 789605.1 | 741590.9 | 0.0 | S |
| 64.625 | 0.0000 | 0.0000 | 76.681 | 0.79757 | 0.00000 | 789605.1 | 741614.8 | 0.0 | S |
| 64.633 | 0.0000 | 0.0000 | 76.680 | 0.79732 | 0.00000 | 789605.1 | 741638.8 | 0.0 | S |
| 64.642 | 0.0000 | 0.0000 | 76.679 | 0.79708 | 0.00000 | 789605.1 | 741662.7 | 0.0 | S |
| 64.650 | 0.0000 | 0.0000 | 76.678 | 0.79683 | 0.00000 | 789605.1 | 741686.6 | 0.0 | S |
| 64.658 | 0.0000 | 0.0000 | 76.677 | 0.79659 | 0.00000 | 789605.1 | 741710.5 | 0.0 | S |
| 64.667 | 0.0000 | 0.0000 | 76.676 | 0.79634 | 0.00000 | 789605.1 | 741734.4 | 0.0 | S |
| 64.675 | 0.0000 | 0.0000 | 76.675 | 0.79609 | 0.00000 | 789605.1 | 741758.3 | 0.0 | S |
| 64.683 | 0.0000 | 0.0000 | 76.674 | 0.79585 | 0.00000 | 789605.1 | 741782.1 | 0.0 | S |
| 64.692 | 0.0000 | 0.0000 | 76.673 | 0.79560 | 0.00000 | 789605.1 | 741806.0 | 0.0 | S |
| 64.700 | 0.0000 | 0.0000 | 76.672 | 0.79536 | 0.00000 | 789605.1 | 741829.9 | 0.0 | S |
| 64.708 | 0.0000 | 0.0000 | 76.671 | 0.79511 | 0.00000 | 789605.1 | 741853.8 | 0.0 | S |
| 64.717 | 0.0000 | 0.0000 | 76.670 | 0.79487 | 0.00000 | 789605.1 | 741877.6 | 0.0 | S |
| 64.725 | 0.0000 | 0.0000 | 76.669 | 0.79462 | 0.00000 | 789605.1 | 741901.4 | 0.0 | S |
| 64.733 | 0.0000 | 0.0000 | 76.668 | 0.79438 | 0.00000 | 789605.1 | 741925.3 | 0.0 | S |
| 64.742 | 0.0000 | 0.0000 | 76.668 | 0.79413 | 0.00000 | 789605.1 | 741949.1 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario $1::$ Pond 5100 yr / 24 hr

| Elapsed Time (hours) | inflow Rate (ft ${ }^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Cumulative inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infilifation Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{fl}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 64.750 | 0.0000 | 0.0000 | 76.667 | 0.79389 | 0.00000 | 789605.1 | 741972.9 | 0.0 | S |
| 64.758 | 0.0000 | 0.0000 | 76.666 | 0.79364 | 0.00000 | 789605.1 | 741996.8 | 0.0 | S |
| 64.767 | 0.0000 | 0.0000 | 76.665 | 0.79340 | 0.00000 | 789605.1 | 742020.6 | 0.0 | S |
| 64.775 | 0.0000 | 0.0000 | 76.664 | 0.79316 | 0.00000 | 789605.1 | 742044.3 | 0.0 | S |
| 64.783 | 0.0000 | 0.0000 | 76.663 | 0.79291 | 0.00000 | 789605.1 | 742068.1 | 0.0 | S |
| 64.792 | 0.0000 | 0.0000 | 76.662 | 0.79267 | 0.00000 | 789605.1 | 742091.9 | 0.0 | S |
| 64.800 | 0.0000 | 0.0000 | 76.661 | 0.79242 | 0.00000 | 789605.1 | 742115.7 | 0.0 | S |
| 64.808 | 0.0000 | 0.0000 | 76.660 | 0.79218 | 0.00000 | 789605.1 | 742139.4 | 0.0 | S |
| 64.817 | 0.0000 | 0.0000 | 76.659 | 0.79193 | 0.00000 | 789605.1 | 742163.2 | 0.0 | S |
| 64.825 | 0.0000 | 0.0000 | 76.658 | 0.79169 | 0.00000 | 789605.1 | 742187.0 | 0.0 | S |
| 64.833 | 0.0000 | 0.0000 | 76.657 | 0.79144 | 0.00000 | 789605.1 | 742210.8 | 0.0 | S |
| 64.842 | 0.0000 | 0.0000 | 76.656 | 0.79120 | 0.00000 | 789605.1 | 742234.4 | 0.0 | S |
| 64.850 | 0.0000 | 0.0000 | 76.655 | 0.79096 | 0.00000 | 789605.1 | 742258.2 | 0.0 | S |
| 64.858 | 0.0000 | 0.0000 | 76.655 | 0.79071 | 0.00000 | 789605.1 | 742281.9 | 0.0 | S |
| 64.867 | 0.0000 | 0.0000 | 76.654 | 0.79047 | 0.00000 | 789605.1 | 742305.6 | 0.0 | S |
| 64.875 | 0.0000 | 0.0000 | 76.653 | 0.79022 | 0.00000 | 789605.1 | 742329.4 | 0.0 | S |
| 64.883 | 0.0000 | 0.0000 | 76.652 | 0.78998 | 0.00000 | 789605.1 | 742353.1 | 0.0 | S |
| 64.892 | 0.0000 | 0.0000 | 76.651 | 0.78974 | 0.00000 | 789605.1 | 742376.8 | 0.0 | S |
| 64.900 | 0.0000 | 0.0000 | 76.650 | 0.78949 | 0.00000 | 789605.1 | 742400.4 | 0.0 | S |
| 64.908 | 0.0000 | 0.0000 | 76.649 | 0.78925 | 0.00000 | 789605.1 | 742424.1 | 0.0 | S |
| 64.917 | 0.0000 | 0.0000 | 76.648 | 0.78901 | 0.00000 | 789605.1 | 742447.8 | 0.0 | S |
| 64.925 | 0.0000 | 0.0000 | 76.647 | 0.78876 | 0.00000 | 789605.1 | 742471.4 | 0.0 | S |
| 64.933 | 0.0000 | 0.0000 | 76.646 | 0.78852 | 0.00000 | 789605.1 | 742495.1 | 0.0 | S |
| 64.942 | 0.0000 | 0.0000 | 76.645 | 0.78828 | 0.00000 | 789605.1 | 742518.8 | 0.0 | S |
| 64.950 | 0.0000 | 0.0000 | 76.644 | 0.78803 | 0.00000 | 789605.1 | 742542.4 | 0.0 | S |
| 64.958 | 0.0000 | 0.0000 | 76.643 | 0.78779 | 0.00000 | 789605.1 | 742566.1 | 0.0 | S |
| 64.967 | 0.0000 | 0.0000 | 76.642 | 0.78755 | 0.00000 | 789605.1 | 742589.7 | 0.0 | S |
| 64.975 | 0.0000 | 0.0000 | 76.641 | 0.78730 | 0.00000 | 789605.1 | 742613.3 | 0.0 | S |
| 64.983 | 0.0000 | 0.0000 | 76.641 | 0.78706 | 0.00000 | 789605.1 | 742636.9 | 0.0 | S |
| 64.992 | 0.0000 | 0.0000 | 76.640 | 0.78682 | 0.00000 | 789605.1 | 742660.5 | 0.0 | S |
| 65.000 | 0.0000 | 0.0000 | 76.639 | 0.78657 | 0.00000 | 789605.1 | 742684.1 | 0.0 | S |
| 65.008 | 0.0000 | 0.0000 | 76.638 | 0.78633 | 0.00000 | 789605.1 | 742707.7 | 0.0 | S |
| 65.017 | 0.0000 | 0.0000 | 76.637 | 0.78609 | 0.00000 | 789605.1 | 742731.3 | 0.0 | S |
| 65.025 | 0.0000 | 0.0000 | 76.636 | 0.78584 | 0.00000 | 789605.1 | 742754.9 | 0.0 | S |
| 65.033 | 0.0000 | 0.0000 | 76.635 | 0.78560 | 0.00000 | 789605.1 | 742778.4 | 0.0 | S |
| 65.042 | 0.0000 | 0.0000 | 76.634 | 0.78536 | 0.00000 | 789605.1 | 742802.0 | 0.0 | S |
| 65.050 | 0.0000 | 0.0000 | 76.633 | 0.78512 | 0.00000 | 789605.1 | 742825.6 | 0.0 | S |
| 65.058 | 0.0000 | 0.0000 | 76.632 | 0.78487 | 0.00000 | 789605.1 | 742849.1 | 0.0 | S |
| 65.067 | 0.0000 | 0.0000 | 76.631 | 0.78463 | 0.00000 | 789605.1 | 742872.7 | 0.0 | S |
| 65.075 | 0.0000 | 0.0000 | 76.630 | 0.78439 | 0.00000 | 789605.1 | 742896.2 | 0.0 | S |
| 65.083 | 0.0000 | 0.0000 | 76.629 | 0.78415 | 0.00000 | 789605.1 | 742919.8 | 0.0 | S |
| 65.092 | 0.0000 | 0.0000 | 76.628 | 0.78390 | 0.00000 | 789605.1 | 742943.3 | 0.0 | S |
| 65.100 | 0.0000 | 0.0000 | 76.627 | 0.78366 | 0.00000 | 789605.1 | 742966.8 | 0.0 | S |
| 65.108 | 0.0000 | 0.0000 | 76.627 | 0.78342 | 0.00000 | 789605.1 | 742990.3 | 0.0 | S |
| 65.117 | 0.0000 | 0.0000 | 76.626 | 0.78318 | 0.00000 | 789605.1 | 743013.8 | 0.0 | S |
| 65.125 | 0.0000 | 0.0000 | 76.625 | 0.78293 | 0.00000 | 789605.1 | 743037.3 | 0.0 | S |
| 65.133 | 0.0000 | 0.0000 | 76.624 | 0.78269 | 0.00000 | 789605.1 | 743060.8 | 0.0 | S |
| 65.142 | 0.0000 | 0.0000 | 76.623 | 0.78245 | 0.00000 | 789605.1 | 743084.3 | 0.0 | S |
| 65.150 | 0.0000 | 0.0000 | 76.622 | 0.78221 | 0.00000 | 789605.1 | 743107.7 | 0.0 | S |
| 65.158 | 0.0000 | 0.0000 | 76.621 | 0.78197 | 0.00000 | 789605.1 | 743131.1 | 0.0 | S |
| 65.167 | 0.0000 | 0.0000 | 76.620 | 0.78172 | 0.00000 | 789605.1 | 743154.6 | 0.0 | S |
| 65.175 | 0.0000 | 0.0000 | 76.619 | 0.78148 | 0.00000 | 789605.1 | 743178.1 | 0.0 | S |
| 65,183 | 0.0000 | 0.0000 | 76.618 | 0.78124 | 0.00000 | 789605.1 | 743201.5 | 0.0 | S |
| 65.192 | 0.0000 | 0.0000 | 76.617 | 0.78100 | 0.00000 | 789605.1 | 743224.9 | 0.0 | S |
| 65.200 | 0.0000 | 0.0000 | 76.616 | 0.78076 | 0.00000 | 789605.1 | 743248.4 | 0.0 | S |
| 65.208 | 0.0000 | 0.0000 | 76.615 | 0.78051 | 0.00000 | 789605.1 | 743271.8 | 0.0 | S |
| 65.217 | 0.0000 | 0.0000 | 76.614 | 0.78027 | 0.00000 | 789605.1 | 743295.2 | 0.0 | S |
| 65.225 | 0.0000 | 0.0000 | 76.614 | 0.78003 | 0.00000 | 789605.1 | 743318.6 | 0.0 | S |
| 65.233 | 0.0000 | 0.0000 | 76.613 | 0.77979 | 0.00000 | 789605.1 | 743342.0 | 0.0 | S |
| 65.242 | 0.0000 | 0.0000 | 76.612 | 0.77955 | 0.00000 | 789605.1 | 743365.4 | 0.0 | S |
| 65.250 | 0.0000 | 0.0000 | 76.611 | 0.77931 | 0.00000 | 789605.1 | 743388.8 | 0.0 | S |
| 65.258 | 0.0000 | 0.0000 | 76.610 | 0.77907 | 0.00000 | 789605.1 | 743412.1 | 0.0 | S |
| 65.267 | 0.0000 | 0.0000 | 76.609 | 0.77882 | 0.00000 | 789605.1 | 743435.5 | 0.0 | S |
| 65.275 | 0.0000 | 0.0000 | 76.608 | 0.77858 | 0.00000 | 789605.1 | 743458.9 | 0.0 | S |
| 65.283 | 0.0000 | 0.0000 | 76.607 | 0.77834 | 0.00000 | 789605.1 | 743482.3 | 0.0 | S |
| 65.292 | 0.0000 | 0.0000 | 76.606 | 0.77810 | 0.00000 | 789605.1 | 743505.6 | 0.0 | S |
| 65.300 | 0.0000 | 0.0000 | 76.605 | 0.77786 | 0.00000 | 789605.1 | 743528.9 | 0.0 | S |
| 65.308 | 0.0000 | 0.0000 | 76.604 | 0.77762 | 0.00000 | 789605.1 | 743552.3 | 0.0 | S |
| 65.317 | 0.0000 | 0.0000 | 76.603 | 0.77738 | 0.00000 | 789605.1 | 743575.6 | 0.0 | S |
| 65.325 | 0.0000 | 0.0000 | 76.602 | 0.77714 | 0.00000 | 789605.1 | 743598.9 | 0.0 | S |
| 65.333 | 0.0000 | 0.0000 | 76.601 | 0.77690 | 0.00000 | 789605.1 | 743622.2 | 0.0 | S |
| 65.342 | 0.0000 | 0.0000 | 76.600 | 0.77666 | 0.00000 | 789605.1 | 743645.5 | 0.0 | S |
| 65.350 | 0.0000 | 0.0000 | 76.600 | 0.77641 | 0.00000 | 789605.1 | 743668.8 | 0.0 | S |
| 65.358 | 0.0000 | 0.0000 | 76.599 | 0.77617 | 0.00000 | 789605.1 | 743692.1 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 5100 yr / 24 hr

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{3 / s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft daturn) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{r}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 65.367 | 0.0000 | 0.0000 | 76.598 | 0.77593 | 0.00000 | 789605.1 | 743715.4 | 0.0 | S |
| 65.375 | 0.0000 | 0.0000 | 76.597 | 0.77569 | 0.00000 | 789605.1 | 743738.6 | 0.0 | S |
| 65.383 | 0.0000 | 0.0000 | 76.596 | 0.77545 | 0.00000 | 789605.1 | 743761.9 | 0.0 | S |
| 65.392 | 0.0000 | 0.0000 | 76.595 | 0.77521 | 0.00000 | 789605.1 | 743785.2 | 0.0 | S |
| 65.400 | 0.0000 | 0.0000 | 76.594 | 0.77497 | 0.00000 | 789605.1 | 743808.4 | 0.0 | S |
| 65.408 | 0.0000 | 0.0000 | 76.593 | 0.77473 | 0.00000 | 789605.1 | 743831.7 | 0.0 | S |
| 65.417 | 0.0000 | 0.0000 | 76.592 | 0.77449 | 0.00000 | 789605.1 | 743854.9 | 0.0 | S |
| 65.425 | 0.0000 | 0.0000 | 76.591 | 0.77425 | 0.00000 | 789605.1 | 743878.1 | 0.0 | S |
| 65.433 | 0.0000 | 0.0000 | 76.590 | 0.77401 | 0.00000 | 789605.1 | 743901.4 | 0.0 | S |
| 65.442 | 0.0000 | 0.0000 | 76.589 | 0.77377 | 0.00000 | 789605.1 | 743924.6 | 0.0 | S |
| 65.450 | 0.0000 | 0.0000 | 76.588 | 0.77353 | 0.00000 | 789605.1 | 743947.8 | 0.0 | 5 |
| 65.458 | 0.0000 | 0.0000 | 76.587 | 0.77329 | 0.00000 | 789605.1 | 743971.0 | 0.0 | S |
| 65.467 | 0.0000 | 0.0000 | 76.587 | 0.77305 | 0.00000 | 789605.1 | 743994.2 | 0.0 | S |
| 65.475 | 0.0000 | 0.0000 | 76.586 | 0.77281 | 0.00000 | 789605.1 | 744017.4 | 0.0 | S |
| 65.483 | 0.0000 | 0.0000 | 76.585 | 0.77257 | 0.00000 | 789605.1 | 744040.6 | 0.0 | S |
| 65.492 | 0.0000 | 0.0000 | 76.584 | 0.77233 | 0.00000 | 789605.1 | 744063.8 | 0.0 | S |
| 65.500 | 0.0000 | 0.0000 | 76.583 | 0.77209 | 0.00000 | 789605.1 | 744086.9 | 0.0 | S |
| 65.508 | 0.0000 | 0.0000 | 76.582 | 0.77185 | 0.00000 | 789605.1 | 744110.1 | 0.0 | S |
| 65.517 | 0.0000 | 0.0000 | 76.581 | 0.77161 | 0.00000 | 789605.1 | 744133.2 | 0.0 | S |
| 65.525 | 0.0000 | 0.0000 | 76.580 | 0.77137 | 0.00000 | 789605.1 | 744156.4 | 0.0 | S |
| 65.533 | 0.0000 | 0.0000 | 76.579 | 0.77113 | 0.00000 | 789605.1 | 744179.5 | 0.0 | S |
| 65.542 | 0.0000 | 0.0000 | 76.578 | 0.77089 | 0.00000 | 789605.1 | 744202.6 | 0.0 | S |
| 65.550 | 0.0000 | 0.0000 | 76.577 | 0.77065 | 0.00000 | 789605.1 | 744225.8 | 0.0 | S |
| 65.558 | 0.0000 | 0.0000 | 76.576 | 0.77041 | 0.00000 | 789605.1 | 744248.9 | 0.0 | S |
| 65.567 | 0.0000 | 0.0000 | 76.575 | 0.77018 | 0.00000 | 789605.1 | 744271.9 | 0.0 | S |
| 65.575 | 0.0000 | 0.0000 | 76.574 | 0.76994 | 0.00000 | 789605.1 | 744295.1 | 0.0 | S |
| 65.583 | 0.0000 | 0.0000 | 76.573 | 0.76970 | 0.00000 | 789605.1 | 744318.2 | 0.0 | S |
| 65.592 | 0.0000 | 0.0000 | 76.573 | 0.76946 | 0.00000 | 789605.1 | 744341.3 | 0.0 | S |
| 65.600 | 0.0000 | 0.0000 | 76.572 | 0.76922 | 0.00000 | 789605.1 | 744364.3 | 0.0 | S |
| 65.608 | 0.0000 | 0.0000 | 76.571 | 0.76898 | 0.00000 | 789605.1 | 744387.4 | 0.0 | S |
| 65.617 | 0.0000 | 0.0000 | 76.570 | 0.76874 | 0.00000 | 789605.1 | 744410.4 | 0.0 | S |
| 65.625 | 0.0000 | 0.0000 | 76.569 | 0.76850 | 0.00000 | 789605.1 | 744433.5 | 0.0 | S |
| 65.633 | 0.0000 | 0.0000 | 76.568 | 0.76826 | 0.00000 | 789605.1 | 744456.6 | 0.0 | S |
| 65.642 | 0.0000 | 0.0000 | 76.567 | 0.76802 | 0.00000 | 789605.1 | 744479.6 | 0.0 | S |
| 65.650 | 0.0000 | 0.0000 | 76.566 | 0.76779 | 0.00000 | 789605.1 | 744502.7 | 0.0 | S |
| 65.658 | 0.0000 | 0.0000 | 76.565 | 0.76755 | 0.00000 | 789605.1 | 744525.7 | 0.0 | S |
| 65.667 | 0.0000 | 0.0000 | 76.564 | 0.76731 | 0.00000 | 789605.1 | 744548.7 | 0.0 | S |
| 65.675 | 0.0000 | 0.0000 | 76.563 | 0.76707 | 0.00000 | 789605.1 | 744571.8 | 0.0 | S |
| 65.683 | 0.0000 | 0.0000 | 76.562 | 0.76683 | 0.00000 | 789605.1 | 744594.8 | 0.0 | S |
| 65.692 | 0.0000 | 0.0000 | 76.561 | 0.76659 | 0.00000 | 789605.1 | 744617.8 | 0.0 | S |
| 65.700 | 0.0000 | 0.0000 | 76.560 | 0.76635 | 0.00000 | 789605.1 | 744640.8 | 0.0 | S |
| 65.708 | 0.0000 | 0.0000 | 76.559 | 0.76612 | 0.00000 | 789605.1 | 744663.7 | 0.0 | S |
| 65.717 | 0.0000 | 0.0000 | 76.559 | 0.76588 | 0.00000 | 789605.1 | 744686.7 | 0.0 | S |
| 65.725 | 0.0000 | 0.0000 | 76.558 | 0.76564 | 0.00000 | 789605.1 | 744709.7 | 0.0 | S |
| 65.733 | 0.0000 | 0.0000 | 76.557 | 0.76540 | 0.00000 | 789605.1 | 744732.6 | 0.0 | S |
| 65.742 | 0.0000 | 0.0000 | 76.556 | 0.76516 | 0.00000 | 789605.1 | 744755.6 | 0.0 | S |
| 65.750 | 0.0000 | 0.0000 | 76.555 | 0.76492 | 0.00000 | 789605.1 | 744778.6 | 0.0 | S |
| 65.758 | 0.0000 | 0.0000 | 76.554 | 0.76469 | 0.00000 | 789605.1 | 744801.5 | 0.0 | S |
| 65.767 | 0.0000 | 0.0000 | 76.553 | 0.76445 | 0.00000 | 789605.1 | 744824.4 | 0.0 | S |
| 65.775 | 0.0000 | 0.0000 | 76.552 | 0.76421 | 0.00000 | 789605.1 | 744847.4 | 0.0 | S |
| 65.783 | 0.0000 | 0.0000 | 76.551 | 0.76397 | 0.00000 | 789605.1 | 744870.3 | 0.0 | S |
| 65.792 | 0.0000 | 0.0000 | 76.550 | 0.76373 | 0.00000 | 789605.1 | 744893.2 | 0.0 | S |
| 65.800 | 0.0000 | 0.0000 | 76.549 | 0.76350 | 0.00000 | 789605.1 | 744916.1 | 0.0 | S |
| 65.808 | 0.0000 | 0.0000 | 76.548 | 0.76326 | 0.00000 | 789605.1 | 744939.0 | 0.0 | S |
| 65.817 | 0.0000 | 0.0000 | 76.547 | 0.76302 | 0.00000 | 789605.1 | 744961.9 | 0.0 | S |
| 65.825 | 0.0000 | 0.0000 | 76.546 | 0.76278 | 0.00000 | 789605.1 | 744984.8 | 0.0 | S |
| 65.833 | 0.0000 | 0.0000 | 76.546 | 0.76255 | 0.00000 | 789605.1 | 745007.7 | 0.0 | S |
| 65.842 | 0.0000 | 0.0000 | 76.545 | 0.76231 | 0.00000 | 789605.1 | 745030.6 | 0.0 | S |
| 65.850 | 0.0000 | 0.0000 | 76.544 | 0.76207 | 0.00000 | 789605.1 | 745053.4 | 0.0 | S |
| 65.858 | 0.0000 | 0.0000 | 76.543 | 0.76183 | 0.00000 | 789605.1 | 745076.3 | 0.0 | S |
| 65.867 | 0.0000 | 0.0000 | 76.542 | 0.76160 | 0.00000 | 789605.1 | 745099.1 | 0.0 | S |
| 65.875 | 0.0000 | 0.0000 | 76.541 | 0.76136 | 0.00000 | 789605.1 | 745121.9 | 0.0 | S |
| 65.883 | 0.0000 | 0.0000 | 76.540 | 0.76112 | 0.00000 | 789605.1 | 745144.8 | 0.0 | S |
| 65.892 | 0.0000 | 0.0000 | 76.539 | 0.76088 | 0.00000 | 789605.1 | 745167.6 | 0.0 | S |
| 65.900 | 0.0000 | 0.0000 | 76.538 | 0.76065 | 0.00000 | 789605.1 | 745190.4 | 0.0 | S |
| 65.908 | 0.0000 | 0.0000 | 76.537 | 0.76041 | 0.00000 | 789605.1 | 745213.3 | 0.0 | S |
| 65.917 | 0.0000 | 0.0000 | 76.536 | 0.76017 | 0.00000 | 789605.1 | 745236.1 | 0.0 | S |
| 65.925 | 0.0000 | 0.0000 | 76.535 | 0.75994 | 0.00000 | 789605.1 | 745258.9 | 0.0 | S |
| 65.933 | 0.0000 | 0.0000 | 76.534 | 0.75970 | 0.00000 | 789605.1 | 745281.7 | 0.0 | S |
| 65.942 | 0.0000 | 0.0000 | 76.533 | 0.75946 | 0.00000 | 789605.1 | 745304.4 | 0.0 | S |
| 65.950 | 0.0000 | 0.0000 | 76.532 | 0.75923 | 0.00000 | 789605.1 | 745327.3 | 0.0 | S |
| 65.958 | 0.0000 | 0.0000 | 76.532 | 0.75899 | 0.00000 | 789605.1 | 745350.0 | 0.0 | S |
| 65.967 | 0.0000 | 0.0000 | 76.531 | 0.75875 | 0.00000 | 789605.1 | 745372.8 | 0.0 | S |
| 65.975 | 0.0000 | 0.0000 | 76.530 | 0.75852 | 0.00000 | 789605.1 | 745395.6 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: Pond 5100 yr / 24 hr

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{H}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{A}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{fl}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 65.983 | 0.0000 | 0.0000 | 76.529 | 0.75828 | 0.00000 | 789605.1 | 745418.3 | 0.0 | S |
| 65.992 | 0.0000 | 0.0000 | 76.528 | 0.75804 | 0.00000 | 789605.1 | 745441.1 | 0.0 | S |
| 66.000 | 0.0000 | 0.0000 | 76.527 | 0.75781 | 0.00000 | 789605.1 | 745463.8 | 0.0 | S |
| 66.008 | 0.0000 | 0.0000 | 76.526 | 0.75757 | 0.00000 | 789605.1 | 745486.5 | 0.0 | S |
| 66.017 | 0.0000 | 0.0000 | 76.525 | 0.75733 | 0.00000 | 789605.1 | 745509.3 | 0.0 | S |
| 66.025 | 0.0000 | 0.0000 | 76.524 | 0.75710 | 0.00000 | 789605.1 | 745531.9 | 0.0 | S |
| 66.033 | 0.0000 | 0.0000 | 76.523 | 0.75686 | 0.00000 | 789605.1 | 745554.6 | 0.0 | S |
| 66.042 | 0.0000 | 0.0000 | 76.522 | 0.75662 | 0.00000 | 789605.1 | 745577.4 | 0.0 | S |
| 66.050 | 0.0000 | 0.0000 | 76.521 | 0.75639 | 0.00000 | 789605.1 | 745600.1 | 0.0 | S |
| 66.058 | 0.0000 | 0.0000 | 76.520 | 0.75615 | 0.00000 | 789605.1 | 745622.8 | 0.0 | S |
| 66.067 | 0.0000 | 0.0000 | 76.519 | 0.75591 | 0.00000 | 789605.1 | 745645.4 | 0.0 | S |
| 66.075 | 0.0000 | 0.0000 | 76.518 | 0.75568 | 0.00000 | 789605.1 | 745668.1 | 0.0 | S |
| 66.083 | 0.0000 | 0.0000 | 76.518 | 0.75544 | 0.00000 | 789605.1 | 745690.8 | 0.0 | S |
| 66.092 | 0.0000 | 0.0000 | 76.517 | 0.75521 | 0.00000 | 789605.1 | 745713.4 | 0.0 | S |
| 66.100 | 0.0000 | 0.0000 | 76.516 | 0.75497 | 0.00000 | 789605.1 | 745736.1 | 0.0 | S |
| 66.108 | 0.0000 | 0.0000 | 76.515 | 0.75473 | 0.00000 | 789605.1 | 745758.7 | 0.0 | S |
| 66.117 | 0.0000 | 0.0000 | 76.514 | 0.75450 | 0.00000 | 789605.1 | 745781.4 | 0.0 | S |
| 66.125 | 0.0000 | 0.0000 | 76.513 | 0.75426 | 0.00000 | 789605.1 | 745804.0 | 0.0 | S |
| 66.133 | 0.0000 | 0.0000 | 76.512 | 0.75403 | 0.00000 | 789605.1 | 745826.6 | 0.0 | S |
| 66.142 | 0.0000 | 0.0000 | 76.511 | 0.75379 | 0.00000 | 789605.1 | 745849.3 | 0.0 | S |
| 66.150 | 0.0000 | 0.0000 | 76.510 | 0.75356 | 0.00000 | 789605.1 | 745871.8 | 0.0 | S |
| 66.158 | 0.0000 | 0.0000 | 76.509 | 0.75332 | 0.00000 | 789605.1 | 745894.4 | 0.0 | S |
| 66.167 | 0.0000 | 0.0000 | 76.508 | 0.75309 | 0.00000 | 789605.1 | 745917.1 | 0.0 | S |
| 66.175 | 0.0000 | 0.0000 | 76.507 | 0.75285 | 0.00000 | 789605.1 | 745939.6 | 0.0 | S |
| 66.183 | 0.0000 | 0.0000 | 76.506 | 0.75261 | 0.00000 | 789605.1 | 745962.2 | 0.0 | S |
| 66.192 | 0.0000 | 0.0000 | 76.505 | 0.75238 | 0.00000 | 789605.1 | 745984.8 | 0.0 | S |
| 66.200 | 0.0000 | 0.0000 | 76.505 | 0.75214 | 0.00000 | 789605.1 | 746007.4 | 0.0 | S |
| 66.208 | 0.0000 | 0.0000 | 76.504 | 0.75191 | 0.00000 | 789605.1 | 746029.9 | 0.0 | S |
| 66.217 | 0.0000 | 0.0000 | 76.503 | 0.75167 | 0.00000 | 789605.1 | 746052.4 | 0.0 | S |
| 66.225 | 0.0000 | 0.0000 | 76.502 | 0.75144 | 0.00000 | 789605.1 | 746075.0 | 0.0 | S |
| 66.233 | 0.0000 | 0.0000 | 76.501 | 0.75120 | 0.00000 | 789605.1 | 746097.6 | 0.0 | S |
| 66.242 | 0.0000 | 0.0000 | 76.500 | 0.75097 | 0.00000 | 789605.1 | 746120.1 | 0.0 | S |
| 66.250 | 0.0000 | 0.0000 | 76.499 | 0.75073 | 0.00000 | 789605.1 | 746142.6 | 0.0 | S |
| 66.258 | 0.0000 | 0.0000 | 76.498 | 0.75050 | 0.00000 | 789605.1 | 746165.1 | 0.0 | S |
| 66.267 | 0.0000 | 0.0000 | 76.497 | 0.75026 | 0.00000 | 789605.1 | 746187.6 | 0.0 | S |
| 66.275 | 0.0000 | 0.0000 | 76.496 | 0.75003 | 0.00000 | 789605.1 | 746210.1 | 0.0 | S |
| 66.283 | 0.0000 | 0.0000 | 76.495 | 0.74979 | 0.00000 | 789605.1 | 746232.6 | 0.0 | S |
| 66.292 | 0.0000 | 0.0000 | 76.494 | 0.74956 | 0.00000 | 789605.1 | 746255.1 | 0.0 | S |
| 66.300 | 0.0000 | 0.0000 | 76.493 | 0.74932 | 0.00000 | 789605.1 | 746277.6 | 0.0 | S |
| 66.308 | 0.0000 | 0.0000 | 76.492 | 0.74909 | 0.00000 | 789605.1 | 746300.1 | 0.0 | S |
| 66.317 | 0.0000 | 0.0000 | 76.491 | 0.74885 | 0.00000 | 789605.1 | 746322.6 | 0.0 | S |
| 66.325 | 0.0000 | 0.0000 | 76.491 | 0.74862 | 0.00000 | 789605.1 | 746345.0 | 0.0 | S |
| 66.333 | 0.0000 | 0.0000 | 76.490 | 0.74839 | 0.00000 | 789605.1 | 746367.5 | 0.0 | S |
| 66.342 | 0.0000 | 0.0000 | 76.489 | 0.74815 | 0.00000 | 789605.1 | 746389.9 | 0.0 | S |
| 66.350 | 0.0000 | 0.0000 | 76.488 | 0.74792 | 0.00000 | 789605.1 | 746412.4 | 0.0 | S |
| 66.358 | 0.0000 | 0.0000 | 76.487 | 0.74768 | 0.00000 | 789605.1 | 746434.8 | 0.0 | S |
| 66.367 | 0.0000 | 0.0000 | 76.486 | 0.74745 | 0.00000 | 789605.1 | 746457.3 | 0.0 | S |
| 66.375 | 0.0000 | 0.0000 | 76.485 | 0.74721 | 0.00000 | 789605.1 | 746479.6 | 0.0 | S |
| 66.383 | 0.0000 | 0.0000 | 76.484 | 0.74698 | 0.00000 | 789605.1 | 746502.1 | 0.0 | S |
| 66.392 | 0.0000 | 0.0000 | 76.483 | 0.74674 | 0.00000 | 789605.1 | 746524.4 | 0.0 | S |
| 66.400 | 0.0000 | 0.0000 | 76.482 | 0.74651 | 0.00000 | 789605.1 | 746546.9 | 0.0 | S |
| 66.408 | 0.0000 | 0.0000 | 76.481 | 0.74628 | 0.00000 | 789605.1 | 746569.3 | 0.0 | S |
| 66.417 | 0.0000 | 0.0000 | 76.480 | 0.74604 | 0.00000 | 789605.1 | 746591.6 | 0.0 | S |
| 66.425 | 0.0000 | 0.0000 | 76.479 | 0.74581 | 0.00000 | 789605.1 | 746614.0 | 0.0 | S |
| 66.433 | 0.0000 | 0.0000 | 76.478 | 0.74557 | 0.00000 | 789605.1 | 746636.4 | 0.0 | S |
| 66.442 | 0.0000 | 0.0000 | 76.477 | 0.74534 | 0.00000 | 789605.1 | 746658.8 | 0.0 | S |
| 66.450 | 0.0000 | 0.0000 | 76.477 | 0.74511 | 0.00000 | 789605.1 | 746681.1 | 0.0 | S |
| 66.458 | 0.0000 | 0.0000 | 76.476 | 0.74487 | 0.00000 | 789605.1 | 746703.4 | 0.0 | S |
| 66.467 | 0.0000 | 0.0000 | 76.475 | 0.74464 | 0.00000 | 789605.1 | 746725.8 | 0.0 | S |
| 66.475 | 0.0000 | 0.0000 | 76.474 | 0.74441 | 0.00000 | 789605.1 | 746748.1 | 0.0 | S |
| 66.483 | 0.0000 | 0.0000 | 76.473 | 0.74417 | 0.00000 | 789605.1 | 746770.4 | 0.0 | S |
| 66.492 | 0.0000 | 0.0000 | 76.472 | 0.74394 | 0.00000 | 789605.1 | 746792.8 | 0.0 | S |
| 66.500 | 0.0000 | 0.0000 | 76.471 | 0.74370 | 0.00000 | 789605.1 | 746815.1 | 0.0 | S |
| 66.508 | 0.0000 | 0.0000 | 76.470 | 0.74347 | 0.00000 | 789605.1 | 746837.4 | 0.0 | S |
| 66.517 | 0.0000 | 0.0000 | 76.469 | 0.74324 | 0.00000 | 789605.1 | 746859.7 | 0.0 | S |
| 66.525 | 0.0000 | 0.0000 | 76.468 | 0.74300 | 0.00000 | 789605.1 | 746882.0 | 0.0 | S |
| 66.533 | 0.0000 | 0.0000 | 76.467 | 0.74277 | 0.00000 | 789605.1 | 746904.3 | 0.0 | S |
| 66.542 | 0.0000 | 0.0000 | 76.466 | 0.74254 | 0.00000 | 789605.1 | 746926.6 | 0.0 | S |
| 66.550 | 0.0000 | 0.0000 | 76.465 | 0.74230 | 0.00000 | 789605.1 | 746948.8 | 0.0 | S |
| 66.558 | 0.0000 | 0.0000 | 76.464 | 0.74207 | 0.00000 | 789605.1 | 746971.1 | 0.0 | S |
| 66.567 | 0.0000 | 0.0000 | 76.463 | 0.74184 | 0.00000 | 789605.1 | 746993.4 | 0.0 | S |
| 66.575 | 0.0000 | 0.0000 | 76.463 | 0.74161 | 0.00000 | 789605.1 | 747015.6 | 0.0 | S |
| 66.583 | 0.0000 | 0.0000 | 76.462 | 0.74137 | 0.00000 | 789605.1 | 747037.9 | 0.0 | S |
| 66.592 | 0.0000 | 0.0000 | 76.461 | 0.74114 | 0.00000 | 789605.1 | 747060.1 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 5100 yr / 24 hr

| Elapsed Time (hours) | inflow Rate ( $\mathrm{fl}^{3 / \mathrm{s}}$ ) | Outside Recharge (fidday) | Stage Elevation (fl datum) | Infiltration Rate (fis/s) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume (fit) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative <br> Discharge <br> Volume ( $\mathrm{fl}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 66.600 | 0.0000 | 0.0000 | 76.460 | 0.74091 | 0.00000 | 789605.1 | 747082.3 | 0.0 | S |
| 66.608 | 0.0000 | 0.0000 | 76.459 | 0.74067 | 0.00000 | 789605.1 | 747104.6 | 0.0 | S |
| 66.617 | 0.0000 | 0.0000 | 76.458 | 0.74044 | 0.00000 | 789605.1 | 747126.8 | 0.0 | S |
| 66.625 | 0.0000 | 0.0000 | 76.457 | 0.74021 | 0.00000 | 789605.1 | 747149.0 | 0.0 | S |
| 66.633 | 0.0000 | 0.0000 | 76.456 | 0.73997 | 0.00000 | 789605.1 | 747171.2 | 0.0 | S |
| 66.642 | 0.0000 | 0.0000 | 76.455 | 0.73974 | 0.00000 | 789605.1 | 747193.4 | 0.0 | S |
| 66.650 | 0.0000 | 0.0000 | 76.454 | 0.73951 | 0.00000 | 789605.1 | 747215.6 | 0.0 | S |
| 66.658 | 0.0000 | 0.0000 | 76.453 | 0.73928 | 0.00000 | 789605.1 | 747237.8 | 0.0 | S |
| 66.667 | 0.0000 | 0.0000 | 76.452 | 0.73904 | 0.00000 | 789605.1 | 747259.9 | 0.0 | S |
| 66.675 | 0.0000 | 0.0000 | 76.451 | 0.73881 | 0.00000 | 789605.1 | 747282.1 | 0.0 | S |
| 66.683 | 0.0000 | 0.0000 | 76.450 | 0.73858 | 0.00000 | 789605.1 | 747304.3 | 0.0 | S |
| 66.692 | 0.0000 | 0.0000 | 76.449 | 0.73835 | 0.00000 | 789605.1 | 747326.4 | 0.0 | S |
| 66.700 | 0.0000 | 0.0000 | 76.449 | 0.73811 | 0.00000 | 789605.1 | 747348.6 | 0.0 | S |
| 66.708 | 0.0000 | 0.0000 | 76.448 | 0.73788 | 0.00000 | 789605.1 | 747370.7 | 0.0 | S |
| 66.717 | 0.0000 | 0.0000 | 76.447 | 0.73765 | 0.00000 | 789605.1 | 747392.8 | 0.0 | S |
| 66.725 | 0.0000 | 0.0000 | 76.446 | 0.73742 | 0.00000 | 789605.1 | 747414.9 | 0.0 | S |
| 66.733 | 0.0000 | 0.0000 | 76.445 | 0.73719 | 0.00000 | 789605.1 | 747437.1 | 0.0 | S |
| 66.742 | 0.0000 | 0.0000 | 76.444 | 0.73695 | 0.00000 | 789605.1 | 747459.2 | 0.0 | S |
| 66.750 | 0.0000 | 0.0000 | 76.443 | 0.73672 | 0.00000 | 789605.1 | 747481.3 | 0.0 | S |
| 66.758 | 0.0000 | 0.0000 | 76.442 | 0.73649 | 0.00000 | 789605.1 | 747503.4 | 0.0 | S |
| 66.767 | 0.0000 | 0.0000 | $76.44 \dagger$ | 0.73626 | 0.00000 | 789605.1 | 747525.5 | 0.0 | S |
| 66.775 | 0.0000 | 0.0000 | 76.440 | 0.73603 | 0.00000 | 789605.1 | 747547.6 | 0.0 | S |
| 66.783 | 0.0000 | 0.0000 | 76.439 | 0.73579 | 0.00000 | 789605.1 | 747569.6 | 0.0 | S |
| 66.792 | 0.0000 | 0.0000 | 76.438 | 0.73556 | 0.00000 | 789605.1 | 747591.7 | 0.0 | S |
| 66.800 | 0.0000 | 0.0000 | 76.437 | 0.73533 | 0.00000 | 789605.1 | 747613.8 | 0.0 | S |
| 66.808 | 0.0000 | 0.0000 | 76.436 | 0.73510 | 0.00000 | 789605.1 | 747635.8 | 0.0 | S |
| 66.817 | 0.0000 | 0.0000 | 76.435 | 0.73487 | 0.00000 | 789605.1 | 747657.9 | 0.0 | S |
| 66.825 | 0.0000 | 0.0000 | 76.435 | 0.73463 | 0.00000 | 789605.1 | 747679.9 | 0.0 | S |
| 66.833 | 0.0000 | 0.0000 | 76.434 | 0.73440 | 0.00000 | 789605.1 | 747701.9 | 0.0 | S |
| 66.842 | 0.0000 | 0.0000 | 76.433 | 0.73477 | 0.00000 | 789605.1 | 747724.0 | 0.0 | S |
| 66.850 | 0.0000 | 0.0000 | 76.432 | 0.73394 | 0.00000 | 789605.1 | 747746.0 | 0.0 | S |
| 66.858 | 0.0000 | 0.0000 | 76.431 | 0.73371 | 0.00000 | 789605.1 | 747768.0 | 0.0 | S |
| 66.867 | 0.0000 | 0.0000 | 76.430 | 0.73348 | 0.00000 | 789605.1 | 747790.0 | 0.0 | S |
| 66.875 | 0.0000 | 0.0000 | 76.429 | 0.73325 | 0.00000 | 789605.1 | 747812.1 | 0.0 | S |
| 66.883 | 0.0000 | 0.0000 | 76.428 | 0.73301 | 0.00000 | 789605.1 | 747834.0 | 0.0 | S |
| 66.892 | 0.0000 | 0.0000 | 76.427 | 0.73278 | 0.00000 | 789605.1 | 747856.0 | 0.0 | S |
| 66.900 | 0.0000 | 0.0000 | 76.426 | 0.73255 | 0.00000 | 789605.1 | 747878.0 | 0.0 | S |
| 66.908 | 0.0000 | 0.0000 | 76.425 | 0.73232 | 0.00000 | 789605.1 | 747899.9 | 0.0 | S |
| 66.917 | 0.0000 | 0.0000 | 76.424 | 0.73209 | 0.00000 | 789605.1 | 747921.9 | 0.0 | S |
| 66.925 | 0.0000 | 0.0000 | 76.423 | 0.73186 | 0.00000 | 789605.1 | 747943.9 | 0.0 | S |
| 66.933 | 0.0000 | 0.0000 | 76.422 | 0.73163 | 0.00000 | 789605.1 | 747965.8 | 0.0 | S |
| 66.942 | 0.0000 | 0.0000 | 76.421 | 0.73140 | 0.00000 | 789605.1 | 747987.8 | 0.0 | S |
| 66.950 | 0.0000 | 0.0000 | 76.421 | 0.73116 | 0.00000 | 789605.1 | 748009.8 | 0.0 | S |
| 66.958 | 0.0000 | 0.0000 | 76.420 | 0.73093 | 0.00000 | 789605.1 | 748031.7 | 0.0 | S |
| 66.967 | 0.0000 | 0.0000 | 76.419 | 0.73070 | 0.00000 | 789605.1 | 748053.6 | 0.0 | S |
| 66.975 | 0.0000 | 0.0000 | 76.418 | 0.73047 | 0.00000 | 789605.1 | 748075.5 | 0.0 | S |
| 66.983 | 0.0000 | 0.0000 | 76.417 | 0.73024 | 0.00000 | 789605.1 | 748097.4 | 0.0 | S |
| 66.992 | 0.0000 | 0.0000 | 76.416 | 0.73001 | 0.00000 | 789605.1 | 748119.3 | 0.0 | S |
| 67.000 | 0.0000 | 0.0000 | 76.415 | 0.72978 | 0.00000 | 789605.1 | 748141.2 | 0.0 | S |
| 67.008 | 0.0000 | 0.0000 | 76.414 | 0.72955 | 0.00000 | 789605.1 | 748163.1 | 0.0 | S |
| 67.017 | 0.0000 | 0.0000 | 76.413 | 0.72932 | 0.00000 | 789605.1 | 748185.0 | 0.0 | S |
| 67.025 | 0.0000 | 0.0000 | 76.412 | 0.72909 | 0.00000 | 789605.1 | 748206.9 | 0.0 | S |
| 67.033 | 0.0000 | 0.0000 | 76.411 | 0.72886 | 0.00000 | 789605.1 | 748228.8 | 0.0 | S |
| 67.042 | 0.0000 | 0.0000 | 76.410 | 0.72863 | 0.00000 | 789605.1 | 748250.6 | 0.0 | S |
| 67.050 | 0.0000 | 0.0000 | 76.409 | 0.72840 | 0.00000 | 789605.1 | 748272.4 | 0.0 | S |
| 67.058 | 0.0000 | 0.0000 | 76.408 | 0.72817 | 0.00000 | 789605.1 | 748294.3 | 0.0 | S |
| 67.067 | 0.0000 | 0.0000 | 76.407 | 0.72794 | 0.00000 | 789605.1 | 748316.1 | 0.0 | S |
| 67.075 | 0.0000 | 0.0000 | 76.407 | 0.72771 | 0.00000 | 789605.1 | 748338.0 | 0.0 | S |
| 67.083 | 0.0000 | 0.0000 | 76.406 | 0.72748 | 0.00000 | 789605.1 | 748359.8 | 0.0 | S |
| 67.092 | 0.0000 | 0.0000 | 76.405 | 0.72725 | 0.00000 | 789605.1 | 748381.6 | 0.0 | S |
| 67.100 | 0.0000 | 0.0000 | 76.404 | 0.72701 | 0.00000 | 789605.1 | 748403.4 | 0.0 | S |
| 67.108 | 0.0000 | 0.0000 | 76.403 | 0.72678 | 0.00000 | 789605.1 | 748425.3 | 0.0 | S |
| 67.117 | 0.0000 | 0.0000 | 76.402 | 0.72655 | 0.00000 | 789605.1 | 748447.1 | 0.0 | S |
| 67.125 | 0.0000 | 0.0000 | 76.401 | 0.72632 | 0.00000 | 789605.1 | 748468.8 | 0.0 | S |
| 67.133 | 0.0000 | 0.0000 | 76.400 | 0.72609 | 0.00000 | 789605.1 | 748490.6 | 0.0 | S |
| 67.142 | 0.0000 | 0.0000 | 76.399 | 0.72586 | 0.00000 | 789605.1 | 748512.4 | 0.0 | S |
| 67.150 | 0.0000 | 0.0000 | 76.398 | 0.72563 | 0.00000 | 789605.1 | 748534.2 | 0.0 | S |
| 67.158 | 0.0000 | 0.0000 | 76.397 | 0.72541 | 0.00000 | 789605.1 | 748555.9 | 0.0 | S |
| 67.167 | 0.0000 | 0.0000 | 76.396 | 0.72518 | 0.00000 | 789605.1 | 748577.7 | 0.0 | S |
| 67.175 | 0.0000 | 0.0000 | 76.395 | 0.72495 | 0.00000 | 789605.1 | 748599.4 | 0.0 | S |
| 67.183 | 0.0000 | 0.0000 | 76.394 | 0.72472 | 0.00000 | 789605.1 | 748621.2 | 0.0 | S |
| 67.192 | 0.0000 | 0.0000 | 76.393 | 0.72449 | 0.00000 | 789605.1 | 748642.9 | 0.0 | S |
| 67.200 | 0.0000 | 0.0000 | 76.393 | 0.72426 | 0.00000 | 789605.1 | 748664.7 | 0.0 | S |
| 67.208 | 0.0000 | 0.0000 | 76.392 | 0.72403 | 0.00000 | 789605.1 | 748686.4 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont.d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infitration Rate ( $\mathrm{ft}^{3 / 3}$ ) | Overtlow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{t}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{t}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 67.217 | 0.0000 | 0.0000 | 76.391 | 0.72380 | 0.00000 | 789605.1 | 748708.1 | 0.0 | S |
| 67.225 | 0.0000 | 0.0000 | 76.390 | 0.72357 | 0.00000 | 789605.1 | 748729.8 | 0.0 | S |
| 67.233 | 0.0000 | 0.0000 | 76.389 | 0.72334 | 0.00000 | 789605.1 | 748751.5 | 0.0 | S |
| 67.242 | 0.0000 | 0.0000 | 76.388 | 0.72311 | 0.00000 | 789605.1 | 748773.2 | 0.0 | S |
| 67.250 | 0.0000 | 0.0000 | 76.387 | 0.72288 | 0.00000 | 789605.1 | 748794.9 | 0.0 | S |
| 67.258 | 0.0000 | 0.0000 | 76.386 | 0.72265 | 0.00000 | 789605.1 | 748816.6 | 0.0 | S |
| 67.267 | 0.0000 | 0.0000 | 76.385 | 0.72242 | 0.00000 | 789605.1 | 748838.3 | 0.0 | S |
| 67.275 | 0.0000 | 0.0000 | 76.384 | 0.72219 | 0.00000 | 789605.1 | 748859.9 | 0.0 | S |
| 67.283 | 0.0000 | 0.0000 | 76.383 | 0.72196 | 0.00000 | 789605.1 | 748881.6 | 0.0 | S |
| 67.292 | 0.0000 | 0.0000 | 76.382 | 0.72173 | 0.00000 | 789605.1 | 748903.3 | 0.0 | S |
| 67.300 | 0.0000 | 0.0000 | 76.381 | 0.72150 | 0.00000 | 789605.1 | 748924.9 | 0.0 | S |
| 67.308 | 0.0000 | 0.0000 | 76.380 | 0.72128 | 0.00000 | 789605.1 | 748946.6 | 0.0 | S |
| 67.317 | 0.0000 | 0.0000 | 76.379 | 0.72105 | 0.00000 | 789605.1 | 748968.2 | 0.0 | S |
| 67.325 | 0.0000 | 0.0000 | 76.379 | 0.72082 | 0.00000 | 789605.1 | 748989.8 | 0.0 | S |
| 67.333 | 0.0000 | 0.0000 | 76.378 | 0.72059 | 0.00000 | 789605.1 | 749011.4 | 0.0 | S |
| 67.342 | 0.0000 | 0.0000 | 76.377 | 0.72036 | 0.00000 | 789605.1 | 749033.1 | 0.0 | S |
| 67.350 | 0.0000 | 0.0000 | 76.376 | 0.72013 | 0.00000 | 789605.1 | 749054.6 | 0.0 | S |
| 67.358 | 0.0000 | 0.0000 | 76.375 | 0.71990 | 0.00000 | 789605.1 | 749076.3 | 0.0 | S |
| 67.367 | 0.0000 | 0.0000 | 76.374 | 0.71967 | 0.00000 | 789605.1 | 749097.8 | 0.0 | S |
| 67.375 | 0.0000 | 0.0000 | 76.373 | 0.71945 | 0.00000 | 789605. 7 | 749119.4 | 0.0 | S |
| 67.383 | 0.0000 | 0.0000 | 76.372 | 0.71922 | 0.00000 | 789605.1 | 749141.0 | 0.0 | S |
| 67.392 | 0.0000 | 0.0000 | 76.371 | 0.71899 | 0.00000 | 789605.1 | 749162.6 | 0.0 | S |
| 67.400 | 0.0000 | 0.0000 | 76.370 | 0.71876 | 0.00000 | 789605.1 | 749184.1 | 0.0 | S |
| 67.408 | 0.0000 | 0.0000 | 76.369 | 0.71853 | 0.00000 | 789605.1 | 749205.7 | 0.0 | S |
| 67.417 | 0.0000 | 0.0000 | 76.368 | 0.71830 | 0.00000 | 789605.1 | 749227.3 | 0.0 | S |
| 67.425 | 0.0000 | 0.0000 | 76.367 | 0.71807 | 0.00000 | 789605.1 | 749248.8 | 0.0 | S |
| 67.433 | 0.0000 | 0.0000 | 76.366 | 0.71785 | 0.00000 | 789605.1 | 749270.3 | 0.0 | S |
| 67.442 | 0.0000 | 0.0000 | 76.365 | 0.71762 | 0.00000 | 789605.1 | 749291.9 | 0.0 | S |
| 67.450 | 0.0000 | 0.0000 | 76.365 | 0.71739 | 0.00000 | 789605.1 | 749313.4 | 0.0 | S |
| 67.458 | 0.0000 | 0.0000 | 76.364 | 0.71716 | 0.00000 | 789605.1 | 749334.9 | 0.0 | S |
| 67.467 | 0.0000 | 0.0000 | 76.363 | 0.71693 | 0.00000 | 789605.1 | 749356.4 | 0.0 | S |
| 67.475 | 0.0000 | 0.0000 | 76.362 | 0.71670 | 0.00000 | 789605.1 | 749377.9 | 0.0 | S |
| 67.483 | 0.0000 | 0.0000 | 76.361 | 0.71648 | 0.00000 | 789605.1 | 749399.4 | 0.0 | S |
| 67.492 | 0.0000 | 0.0000 | 76.360 | 0.71625 | 0.00000 | 789605.1 | 749420.9 | 0.0 | S |
| 67.500 | 0.0000 | 0.0000 | 76.359 | 0.71602 | 0.00000 | 789605.1 | 749442.4 | 0.0 | S |
| 67.508 | 0.0000 | 0.0000 | 76.358 | 0.71579 | 0.00000 | 789605.1 | 749463.9 | 0.0 | S |
| 67.517 | 0.0000 | 0.0000 | 76.357 | 0.71556 | 0.00000 | 789605.1 | 749485.4 | 0.0 | S |
| 67.525 | 0.0000 | 0.0000 | 76.356 | 0.71534 | 0.00000 | 789605.1 | 749506.8 | 0.0 | S |
| 67.533 | 0.0000 | 0.0000 | 76.355 | 0.71511 | 0.00000 | 789605.1 | 749528.3 | 0.0 | S |
| 67.542 | 0.0000 | 0.0000 | 76.354 | 0.71488 | 0.00000 | 789605.1 | 749549.8 | 0.0 | S |
| 67.550 | 0.0000 | 0.0000 | 76.353 | 0.71465 | 0.00000 | 789605.1 | 749571.2 | 0.0 | S |
| 67.558 | 0.0000 | 0.0000 | 76.352 | 0.71443 | 0.00000 | 789605.1 | 749592.6 | 0.0 | S |
| 67.567 | 0.0000 | 0.0000 | 76.351 | 0.71420 | 0.00000 | 789605.1 | 749614.1 | 0.0 | S |
| 67.575 | 0.0000 | 0.0000 | 76.351 | 0.71397 | 0.00000 | 789605.1 | 749635.4 | 0.0 | S |
| 67.583 | 0.0000 | 0.0000 | 76.350 | 0.71374 | 0.00000 | 789605.1 | 749656.9 | 0.0 | S |
| 67.592 | 0.0000 | 0.0000 | 76.349 | 0.71351 | 0.00000 | 789605.1 | 749678.3 | 0.0 | S |
| 67.600 | 0.0000 | 0.0000 | 76.348 | 0.71329 | 0.00000 | 789605.1 | 749699.7 | 0.0 | S |
| 67.608 | 0.0000 | 0.0000 | 76.347 | 0.71306 | 0.00000 | 789605.1 | 749721.1 | 0.0 | S |
| 67.617 | 0.0000 | 0.0000 | 76.346 | 0.71283 | 0.00000 | 789605.1 | 749742.4 | 0.0 | S |
| 67.625 | 0.0000 | 0.0000 | 76.345 | 0.71260 | 0.00000 | 789605.1 | 749763.9 | 0.0 | S |
| 67.633 | 0.0000 | 0.0000 | 76.344 | 0.71238 | 0.00000 | 789605.1 | 749785.3 | 0.0 | S |
| 67.642 | 0.0000 | 0.0000 | 76.343 | 0.71215 | 0.00000 | 789605.1 | 749806.6 | 0.0 | S |
| 67.650 | 0.0000 | 0.0000 | 76.342 | 0.71192 | 0.00000 | 789605.1 | 749827.9 | 0.0 | S |
| 67.658 | 0.0000 | 0.0000 | 76.341 | 0.71170 | 0.00000 | 789605.1 | 749849.3 | 0.0 | S |
| 67.667 | 0.0000 | 0.0000 | 76.340 | 0.71147 | 0.00000 | 789605.1 | 749870.6 | 0.0 | S |
| 67.675 | 0.0000 | 0.0000 | 76.339 | 0.71124 | 0.00000 | 789605.1 | 749892.0 | 0.0 | S |
| 67.683 | 0.0000 | 0.0000 | 76.338 | 0.71101 | 0.00000 | 789605.1 | 749913.3 | 0.0 | S |
| 67.692 | 0.0000 | 0.0000 | 76.337 | 0.71079 | 0.00000 | 789605.1 | 749934.6 | 0.0 | S |
| 67.700 | 0.0000 | 0.0000 | 76.336 | 0.71056 | 0.00000 | 789605.1 | 749956.0 | 0.0 | S |
| 67.708 | 0.0000 | 0.0000 | 76.336 | 0.71033 | 0.00000 | 789605.1 | 749977.3 | 0.0 | S |
| 67.717 | 0.0000 | 0.0000 | 76,335 | 0.71011 | 0.00000 | 789605.1 | 749998.6 | 0.0 | S |
| 67.725 | 0.0000 | 0.0000 | 76,334 | 0.70988 | 0.00000 | 789605.1 | 750019.9 | 0.0 | S |
| 67.733 | 0.0000 | 0.0000 | 76.333 | 0.70965 | 0.00000 | 789605.1 | 750041.2 | 0.0 | S |
| 67.742 | 0.0000 | 0.0000 | 76.332 | 0.70943 | 0.00000 | 789605.1 | 750062.5 | 0.0 | S |
| 67.750 | 0.0000 | 0.0000 | 76.331 | 0.70920 | 0.00000 | 789605.1 | 750083.8 | 0.0 | S |
| 67.758 | 0.0000 | 0.0000 | 76.330 | 0.70897 | 0.00000 | 789605.1 | 750105.0 | 0.0 | S |
| 67.767 | 0.0000 | 0.0000 | 76.329 | 0.70875 | 0.00000 | 789605.1 | 750126.3 | 0.0 | S |
| 67.775 | 0.0000 | 0.0000 | 76.328 | 0.70852 | 0.00000 | 789605.1 | 750147.6 | 0.0 | S |
| 67.783 | 0.0000 | 0.0000 | 76.327 | 0.70829 | 0.00000 | 789605.1 | 750168.8 | 0.0 | S |
| 67.792 | 0.0000 | 0.0000 | 76.326 | 0.70807 | 0.00000 | 789605.1 | 750190.1 | 0.0 | S |
| 67.800 | 0.0000 | 0.0000 | 76.325 | 0.70784 | 0.00000 | 789605.1 | 750211.3 | 0.0 | S |
| 67.808 | 0.0000 | 0.0000 | 76.324 | 0.70761 | 0.00000 | 789605.1 | 750232.5 | 0.0 | S |
| 67.817 | 0.0000 | 0.0000 | 76.323 | 0.70739 | 0.00000 | 789605.1 | 750253.8 | 0.0 | S |
| 67.825 | 0.0000 | 0.0000 | 76.322 | 0.70716 | 0.00000 | 789605.1 | 750274.9 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infilitration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ff}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 67.833 | 0.0000 | 0.0000 | 76.322 | 0.70693 | 0.00000 | 789605.1 | 750296.2 | 0.0 | S |
| 67.842 | 0.0000 | 0.0000 | 76.321 | 0.70671 | 0.00000 | 789605.1 | 750317.4 | 0.0 | S |
| 67.850 | 0.0000 | 0.0000 | 76.320 | 0.70648 | 0.00000 | 789605.1 | 750338.6 | 0.0 | S |
| 67.858 | 0.0000 | 0.0000 | 76.319 | 0.70626 | 0.00000 | 789605.1 | 750359.8 | 0.0 | S |
| 67.867 | 0.0000 | 0.0000 | 76.318 | 0.70603 | 0.00000 | 789605.1 | 750380.9 | 0.0 | S |
| 67.875 | 0.0000 | 0.0000 | 76.317 | 0.70580 | 0.00000 | 789605.1 | 750402.1 | 0.0 | S |
| 67.883 | 0.0000 | 0.0000 | 76.316 | 0.70558 | 0.00000 | 789605.1 | 750423.3 | 0.0 | S |
| 67.892 | 0.0000 | 0.0000 | 76.315 | 0.70535 | 0.00000 | 789605.1 | 750444.4 | 0.0 | S |
| 67.900 | 0.0000 | 0.0000 | 76.314 | 0.70512 | 0.00000 | 789605.1 | 750465.6 | 0.0 | S |
| 67.908 | 0.0000 | 0.0000 | 76.313 | 0.70490 | 0.00000 | 789605.1 | 750486.8 | 0.0 | S |
| 67.917 | 0.0000 | 0.0000 | 76.312 | 0.70467 | 0.00000 | 789605.1 | 750507.9 | 0.0 | S |
| 67.925 | 0.0000 | 0.0000 | 76.311 | 0.70445 | 0.00000 | 789605.1 | 750529.1 | 0.0 | S |
| 67.933 | 0.0000 | 0.0000 | 76.310 | 0.70422 | 0.00000 | 789605.1 | 750550.2 | 0.0 | S |
| 67.942 | 0.0000 | 0.0000 | 76.309 | 0.70400 | 0.00000 | 789605.1 | 750571.3 | 0.0 | S |
| 67.950 | 0.0000 | 0.0000 | 76.308 | 0.70377 | 0.00000 | 789605.1 | 750592.4 | 0.0 | S |
| 67.958 | 0.0000 | 0.0000 | 76.307 | 0.70354 | 0.00000 | 789605.1 | 750613.5 | 0.0 | S |
| 67.967 | 0.0000 | 0.0000 | 76.307 | 0.70332 | 0.00000 | 789605.1 | 750634.6 | 0.0 | S |
| 67.975 | 0.0000 | 0.0000 | 76.306 | 0.70309 | 0.00000 | 789605.1 | 750655.8 | 0.0 | S |
| 67.983 | 0.0000 | 0.0000 | 76.305 | 0.70287 | 0.00000 | 789605.1 | 750676.8 | 0.0 | S |
| 67.992 | 0.0000 | 0.0000 | 76.304 | 0.70264 | 0.00000 | 789605.1 | 750697.9 | 0.0 | S |
| 68.000 | 0.0000 | 0.0000 | 76.303 | 0.70242 | 0.00000 | 789605.1 | 750719.0 | 0.0 | S |
| 68.008 | 0.0000 | 0.0000 | 76.302 | 0.70219 | 0.00000 | 789605.1 | 750740.1 | 0.0 | S |
| 68.017 | 0.0000 | 0.0000 | 76.301 | 0.70196 | 0.00000 | 789605.1 | 750761.1 | 0.0 | S |
| 68.025 | 0.0000 | 0.0000 | 76.300 | 0.70174 | 0.00000 | 789605.1 | 750782.2 | 0.0 | S |
| 68.033 | 0.0000 | 0.0000 | 76.299 | 0.70151 | 0.00000 | 789605.1 | 750803.2 | 0.0 | S |
| 68.042 | 0.0000 | 0.0000 | 76.298 | 0.70129 | 0.00000 | 789605.1 | 750824.3 | 0.0 | S |
| 68.050 | 0.0000 | 0.0000 | 76.297 | 0.70106 | 0.00000 | 789605.1 | 750845.3 | 0.0 | S |
| 68.058 | 0.0000 | 0.0000 | 76.296 | 0.70084 | 0.00000 | 789605.1 | 750866.3 | 0.0 | S |
| 68.067 | 0.0000 | 0.0000 | 76.295 | 0.70061 | 0.00000 | 789605.1 | 750887.3 | 0.0 | S |
| 68.075 | 0.0000 | 0.0000 | 76.294 | 0.70039 | 0.00000 | 789605.1 | 750908.4 | 0.0 | S |
| 68.083 | 0.0000 | 0.0000 | 76.293 | 0.70016 | 0.00000 | 789605.1 | 750929.4 | 0.0 | S |
| 68.092 | 0.0000 | 0.0000 | 76.293 | 0.69994 | 0.00000 | 789605.1 | 750950.4 | 0.0 | S |
| 68.100 | 0.0000 | 0.0000 | 76.292 | 0.69971 | 0.00000 | 789605.1 | 750971.4 | 0.0 | S |
| 68.108 | 0.0000 | 0.0000 | 76.291 | 0.69949 | 0.00000 | 789605.1 | 750992.4 | 0.0 | S |
| 68.117 | 0.0000 | 0.0000 | 76.290 | 0.69926 | 0.00000 | 789605.1 | 751013.3 | 0.0 | S |
| 68.125 | 0.0000 | 0.0000 | 76.289 | 0.69904 | 0.00000 | 789605.1 | 751034.3 | 0.0 | S |
| 68.133 | 0.0000 | 0.0000 | 76.288 | 0.69881 | 0.00000 | 789605.1 | 751055.3 | 0.0 | S |
| 68.142 | 0.0000 | 0.0000 | 76.287 | 0.69859 | 0.00000 | 789605.1 | 751076.3 | 0.0 | S |
| 68.150 | 0.0000 | 0.0000 | 76.286 | 0.69836 | 0.00000 | 789605.1 | 751097.2 | 0.0 | S |
| 68.158 | 0.0000 | 0.0000 | 76.285 | 0.69814 | 0.00000 | 789605.1 | 751118.1 | 0.0 | S |
| 68.167 | 0.0000 | 0.0000 | 76.284 | 0.69791 | 0.00000 | 789605.1 | 751139.1 | 0.0 | S |
| 68.175 | 0.0000 | 0.0000 | 76.283 | 0.69769 | 0.00000 | 789605.1 | 751160.0 | 0.0 | S |
| 68.183 | 0.0000 | 0.0000 | 76.282 | 0.69746 | 0.00000 | 789605.1 | 751180.9 | 0.0 | S |
| 68.192 | 0.0000 | 0.0000 | 76.281 | 0.69724 | 0.00000 | 789605.1 | 751201.9 | 0.0 | S |
| 68.200 | 0.0000 | 0.0000 | 76.280 | 0.69702 | 0.00000 | 789605.1 | 751222.8 | 0.0 | S |
| 68.208 | 0.0000 | 0.0000 | 76.279 | 0.69679 | 0.00000 | 789605.1 | 751243.7 | 0.0 | S |
| 68.217 | 0.0000 | 0.0000 | 76.278 | 0.69657 | 0.00000 | 789605.1 | 751264.6 | 0.0 | S |
| 68.225 | 0.0000 | 0.0000 | 76.278 | 0.69634 | 0.00000 | 789605.1 | 751285.5 | 0.0 | S |
| 68.233 | 0.0000 | 0.0000 | 76.277 | 0.69612 | 0.00000 | 789605.1 | 751306.4 | 0.0 | S |
| 68.242 | 0.0000 | 0.0000 | 76.276 | 0.69589 | 0.00000 | 789605.1 | 751327.3 | 0.0 | S |
| 68.250 | 0.0000 | 0.0000 | 76.275 | 0.69567 | 0.00000 | 789605.1 | 751348.1 | 0.0 | S |
| 68.258 | 0.0000 | 0.0000 | 76.274 | 0.69544 | 0.00000 | 789605.1 | 751369.0 | 0.0 | S |
| 68.267 | 0.0000 | 0.0000 | 76.273 | 0.69522 | 0.00000 | 789605.1 | 751389.8 | 0.0 | S |
| 68.275 | 0.0000 | 0.0000 | 76.272 | 0.69500 | 0.00000 | 789605.1 | 751410.7 | 0.0 | S |
| 68.283 | 0.0000 | 0.0000 | 76.271 | 0.69477 | 0.00000 | 789605.1 | 751431.6 | 0.0 | S |
| 68.292 | 0.0000 | 0.0000 | 76.270 | 0.69455 | 0.00000 | 789605.1 | 751452.4 | 0.0 | S |
| 68.300 | 0.0000 | 0.0000 | 76.269 | 0.69432 | 0.00000 | 789605.1 | 751473.2 | 0.0 | S |
| 68.308 | 0.0000 | 0.0000 | 76.268 | 0.69410 | 0.00000 | 789605.1 | 751494.1 | 0.0 | S |
| 68.317 | 0.0000 | 0.0000 | 76.267 | 0.69388 | 0.00000 | 789605.1 | 751514.9 | 0.0 | S |
| 68.325 | 0.0000 | 0.0000 | 76.266 | 0.69365 | 0.00000 | 789605.1 | 751535.7 | 0.0 | S |
| 68.333 | 0.0000 | 0.0000 | 76.265 | 0.69343 | 0.00000 | 789605.1 | 751556.5 | 0.0 | S |
| 68.342 | 0.0000 | 0.0000 | 76.264 | 0.69320 | 0.00000 | 789605.1 | 751577.3 | 0.0 | S |
| 68.350 | 0.0000 | 0.0000 | 76.263 | 0.69298 | 0.00000 | 789605.1 | 751598.1 | 0.0 | S |
| 68.358 | 0.0000 | 0.0000 | 76.263 | 0.69276 | 0.00000 | 789605.1 | 751618.9 | 0.0 | S |
| 68.367 | 0.0000 | 0.0000 | 76.262 | 0.69253 | 0.00000 | 789605.1 | 751639.6 | 0.0 | S |
| 68.375 | 0.0000 | 0.0000 | 76.261 | 0.69231 | 0.00000 | 789605.1 | 751660.4 | 0.0 | S |
| 68.383 | 0.0000 | 0.0000 | 76.260 | 0.69208 | 0.00000 | 789605.1 | 751681.2 | 0.0 | S |
| 68.392 | 0.0000 | 0.0000 | 76.259 | 0.69186 | 0.00000 | 789605.1 | 751701.9 | 0.0 | S |
| 68.400 | 0.0000 | 0.0000 | 76.258 | 0.69164 | 0.00000 | 789605.1 | 751722.7 | 0.0 | S |
| 68.408 | 0.0000 | 0.0000 | 76.257 | 0.69141 | 0.00000 | 789605.1 | 751743.4 | 0.0 | S |
| 68.417 | 0.0000 | 0.0000 | 76.256 | 0.69119 | 0.00000 | 789605.1 | 751764.2 | 0.0 | S |
| 68.425 | 0.0000 | 0.0000 | 76.255 | 0.69097 | 0.00000 | 789605.1 | 751784.9 | 0.0 | S |
| 68.433 | 0.0000 | 0.0000 | 76.254 | 0.69074 | 0.00000 | 789605.1 | 751805.6 | 0.0 | S |
| 68.442 | 0.0000 | 0.0000 | 76.253 | 0.69052 | 0.00000 | 789605.1 | 751826.4 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) $\because:$ Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Enflow <br> Rate <br> ( $\mathrm{ft}^{3 / 3}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft} 3 / \mathrm{s}$ ) | Cumulative Inflow Volume ( $A^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 68.450 | 0.0000 | 0.0000 | 76.252 | 0.69030 | 0.00000 | 789605.1 | 751847.1 | 0.0 | S |
| 68.458 | 0.0000 | 0.0000 | 76.251 | 0.69007 | 0.00000 | 789605.1 | 751867.8 | 0.0 | S |
| 68.467 | 0.0000 | 0.0000 | 76.250 | 0.68985 | 0.00000 | 789605.1 | 751888.4 | 0.0 | S |
| 68.475 | 0.0000 | 0.0000 | 76.249 | 0.68963 | 0.00000 | 789605.1 | 751909.1 | 0.0 | S |
| 68.483 | 0.0000 | 0.0000 | 76.248 | 0.68940 | 0.00000 | 789605.1 | 751929.8 | 0.0 | S |
| 68.492 | 0.0000 | 0.0000 | 76.248 | 0.68918 | 0.00000 | 789605.1 | 751950.5 | 0.0 | S |
| 68.500 | 0.0000 | 0.0000 | 76.247 | 0.68896 | 0.00000 | 789605.1 | 751971.2 | 0.0 | S |
| 68.508 | 0.0000 | 0.0000 | 76.246 | 0.68873 | 0.00000 | 789605.1 | 751991.9 | 0.0 | S |
| 68.517 | 0.0000 | 0.0000 | 76.245 | 0.68851 | 0.00000 | 789605.1 | 752012.5 | 0.0 | S |
| 68.525 | 0.0000 | 0.0000 | 76.244 | 0.68829 | 0.00000 | 789605.1 | 752033.2 | 0.0 | S |
| 68.533 | 0.0000 | 0.0000 | 76.243 | 0.68806 | 0.00000 | 789605.1 | 752053.8 | 0.0 | S |
| 68.542 | 0.0000 | 0.0000 | 76.242 | 0.68784 | 0.00000 | 789605.1 | 752074.4 | 0.0 | S |
| 68.550 | 0.0000 | 0.0000 | 76,241 | 0.68762 | 0.00000 | 789605.1 | 752095.1 | 0.0 | S |
| 68.558 | 0.0000 | 0.0000 | 76.240 | 0.68740 | 0.00000 | 789605.1 | 752115.7 | 0.0 | S |
| 68.567 | 0.0000 | 0.0000 | 76.239 | 0.68717 | 0.00000 | 789605.1 | 752136.3 | 0.0 | S |
| 68.575 | 0.0000 | 0.0000 | 76.238 | 0.68695 | 0.00000 | 789605.1 | 752156.9 | 0.0 | S |
| 68.583 | 0.0000 | 0.0000 | 76.237 | 0.68673 | 0.00000 | 789605.1 | 752177.6 | 0.0 | S |
| 68.592 | 0.0000 | 0.0000 | 76.236 | 0.68650 | 0.00000 | 789605.1 | 752198.1 | 0.0 | S |
| 68.600 | 0.0000 | 0.0000 | 76.235 | 0.68628 | 0.00000 | 789605.1 | 752218.8 | 0.0 | S |
| 68.608 | 0.0000 | 0.0000 | 76.234 | 0.68606 | 0.00000 | 789605.1 | 752239.3 | 0.0 | S |
| 68.617 | 0.0000 | 0.0000 | 76.233 | 0.68584 | 0.00000 | 789605.1 | 752259.9 | 0.0 | S |
| 68.625 | 0.0000 | 0.0000 | 76.233 | 0.68561 | 0.00000 | 789605.1 | 752280.5 | 0.0 | S |
| 68.633 | 0.0000 | 0.0000 | 76.232 | 0.68539 | 0.00000 | 789605.1 | 752301.1 | 0.0 | S |
| 68.642 | 0.0000 | 0.0000 | 76.231 | 0.68517 | 0.00000 | 789605.1 | 752321.6 | 0.0 | S |
| 68.650 | 0.0000 | 0.0000 | 76.230 | 0.68495 | 0.00000 | 789605.1 | 752342.1 | 0.0 | S |
| 68.658 | 0.0000 | 0.0000 | 76.229 | 0.68472 | 0.00000 | 789605.1 | 752362.7 | 0.0 | S |
| 68.667 | 0.0000 | 0.0000 | 76.228 | 0.68450 | 0.00000 | 789605.1 | 752383.3 | 0.0 | S |
| 68.675 | 0.0000 | 0.0000 | 76.227 | 0.68428 | 0.00000 | 789605.1 | 752403.8 | 0.0 | S |
| 68.683 | 0.0000 | 0.0000 | 76.226 | 0.68406 | 0.00000 | 789605.1 | 752424.3 | 0.0 | S |
| 68.692 | 0.0000 | 0.0000 | 76.225 | 0.68383 | 0.00000 | 789605.1 | 752444.8 | 0.0 | S |
| 68.700 | 0.0000 | 0.0000 | 76.224 | 0.68361 | 0.00000 | 789605.1 | 752465.3 | 0.0 | S |
| 68.708 | 0.0000 | 0.0000 | 76.223 | 0.68339 | 0.00000 | 789605.1 | 752485.8 | 0.0 | S |
| 68.717 | 0.0000 | 0.0000 | 76.222 | 0.68317 | 0.00000 | 789605.1 | 752506.3 | 0.0 | S |
| 68.725 | 0.0000 | 0.0000 | 76.221 | 0.68295 | 0.00000 | 789605.1 | 752526.8 | 0.0 | S |
| 68.733 | 0.0000 | 0.0000 | 76.220 | 0.68272 | 0.00000 | 789605.1 | 752547.3 | 0.0 | S |
| 68.742 | 0.0000 | 0.0000 | 76.219 | 0.68250 | 0.00000 | 789605.1 | 752567.8 | 0.0 | S |
| 68.750 | 0.0000 | 0.0000 | 76.218 | 0.68228 | 0.00000 | 789605.1 | 752588.3 | 0.0 | S |
| 68.758 | 0.0000 | 0.0000 | 76.217 | 0.68206 | 0.00000 | 789605.1 | 752608.7 | 0.0 | S |
| 68.767 | 0.0000 | 0.0000 | 76.217 | 0.68183 | 0.00000 | 789605.1 | 752629.2 | 0.0 | S |
| 68.775 | 0.0000 | 0.0000 | 76.216 | 0.68161 | 0.00000 | 789605.1 | 752649.6 | 0.0 | S |
| 68.783 | 0.0000 | 0.0000 | 76.215 | 0.68139 | 0.00000 | 789605.1 | 752670.1 | 0.0 | S |
| 68.792 | 0.0000 | 0.0000 | 76.214 | 0.68117 | 0.00000 | 789605.1 | 752690.5 | 0.0 | S |
| 68.800 | 0.0000 | 0.0000 | 76.213 | 0.68095 | 0.00000 | 789605.1 | 752710.9 | 0.0 | S |
| 68.808 | 0.0000 | 0.0000 | 76.212 | 0.68073 | 0.00000 | 789605.1 | 752731.4 | 0.0 | S |
| 68.817 | 0.0000 | 0.0000 | 76.211 | 0.68050 | 0.00000 | 789605.1 | 752751.8 | 0.0 | S |
| 68.825 | 0.0000 | 0.0000 | 76.210 | 0.68028 | 0.00000 | 789605.1 | 752772.2 | 0.0 | S |
| 68.833 | 0.0000 | 0.0000 | 76.209 | 0.68006 | 0.00000 | 789605.1 | 752792.6 | 0.0 | S |
| 68.842 | 0.0000 | 0.0000 | 76.208 | 0.67984 | 0.00000 | 789605.1 | 752813.0 | 0.0 | S |
| 68.850 | 0.0000 | 0.0000 | 76.207 | 0.67962 | 0.00000 | 789605.1 | 752833.4 | 0.0 | S |
| 68.858 | 0.0000 | 0.0000 | 76.206 | 0.67940 | 0.00000 | 789605.1 | 752853.8 | 0.0 | S |
| 68.867 | 0.0000 | 0.0000 | 76.205 | 0.67917 | 0.00000 | 789605.1 | 752874.1 | 0.0 | S |
| 68.875 | 0.0000 | 0.0000 | 76.204 | 0.67895 | 0.00000 | 789605.1 | 752894.5 | 0.0 | S |
| 68.883 | 0.0000 | 0.0000 | 76.203 | 0.67873 | 0.00000 | 789605.1 | 752914.9 | 0.0 | S |
| 68.892 | 0.0000 | 0.0000 | 76.202 | 0.67851 | 0.00000 | 789605.1 | 752935.3 | 0.0 | S |
| 68.900 | 0.0000 | 0.0000 | 76.202 | 0.67829 | 0.00000 | 789605.1 | 752955.6 | 0.0 | S |
| 68.908 | 0.0000 | 0.0000 | 76.201 | 0.67807 | 0.00000 | 789605.1 | 752975.9 | 0.0 | S |
| 68.917 | 0.0000 | 0.0000 | 76.200 | 0.67785 | 0.00000 | 789605.1 | 752996.3 | 0.0 | S |
| 68.925 | 0.0000 | 0.0000 | 76.199 | 0.67762 | 0.00000 | 789605.1 | 753016.6 | 0.0 | S |
| 68.933 | 0.0000 | 0.0000 | 76.198 | 0.67740 | 0.00000 | 789605.1 | 753036.9 | 0.0 | S |
| 68.942 | 0.0000 | 0.0000 | 76.197 | 0.67718 | 0.00000 | 789605.1 | 753057.3 | 0.0 | S |
| 68.950 | 0.0000 | 0.0000 | 76.196 | 0.67696 | 0.00000 | 789605.1 | 753077.6 | 0.0 | S |
| 68.958 | 0.0000 | 0.0000 | 76.195 | 0.67674 | 0.00000 | 789605.1 | 753097.9 | 0.0 | S |
| 68.967 | 0.0000 | 0.0000 | 76.194 | 0.67652 | 0.00000 | 789605.1 | 753178.2 | 0.0 | S |
| 68.975 | 0.0000 | 0.0000 | 76.193 | 0.67630 | 0.00000 | 789605.1 | 753138.4 | 0.0 | S |
| 68,983 | 0.0000 | 0.0000 | 76.192 | 0.67608 | 0.00000 | 789605.1 | 753158.8 | 0.0 | S |
| 68,992 | 0.0000 | 0.0000 | 76.191 | 0.67585 | 0.00000 | 789605.1 | 753179.0 | 0.0 | S |
| 69.000 | 0.0000 | 0.0000 | 76.190 | 0.67563 | 0.00000 | 789605.1 | 753199.3 | 0.0 | S |
| 69.008 | 0.0000 | 0.0000 | 76.189 | 0.67541 | 0.00000 | 789605.1 | 753219.6 | 0.0 | S |
| 69.017 | 0.0000 | 0.0000 | 76.188 | 0.67519 | 0.00000 | 789605.1 | 753239.8 | 0.0 | S |
| 69.025 | 0.0000 | 0.0000 | 76.187 | 0.67497 | 0.00000 | 789605.1 | 753260.1 | 0.0 | S |
| 69.033 | 0.0000 | 0.0000 | 76.186 | 0.67475 | 0.00000 | 789605.1 | 753280.3 | 0.0 | S |
| 69.042 | 0.0000 | 0.0000 | 76.186 | 0.67453 | 0.00000 | 789605.1 | 753300.6 | 0.0 | S |
| 69.050 | 0.0000 | 0.0000 | 76.185 | 0.67431 | 0.00000 | 789605.1 | 753320.8 | 0.0 | S |
| 69.058 | 0.0000 | 0.0000 | 76.184 | 0.67409 | 0.00000 | 789605.1 | 753341.0 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 5100 yr/24 hr

| Elapsed Time (hours) | Inflow Rate (f ${ }^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation ( t datum) | Infiltration Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Overflow <br> Discharge ( $\mathrm{H}^{3 / 5}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{fl}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative <br> Discharge <br> Volume ( $\mathrm{ft}^{3}$ ) | $\begin{aligned} & \text { Fiow } \\ & \text { Type } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 69.067 | 0.0000 | 0.0000 | 76.183 | 0.67387 | 0.00000 | 789605.1 | 753361.3 | 0.0 | S |
| 69.075 | 0.0000 | 0.0000 | 76.182 | 0.67365 | 0.00000 | 789605.1 | 753381.4 | 0.0 | S |
| 69.083 | 0.0000 | 0.0000 | 76.181 | 0.67343 | 0.00000 | 789605.1 | 753401.7 | 0.0 | S |
| 69.092 | 0.0000 | 0.0000 | 76.180 | 0.67320 | 0.00000 | 789605.1 | 753421.9 | 0.0 | S |
| 69.100 | 0.0000 | 0.0000 | 76.179 | 0.67298 | 0.00000 | 789605.1 | 753442.1 | 0.0 | S |
| 69.108 | 0.0000 | 0.0000 | 76.178 | 0.67276 | 0.00000 | 789605.1 | 753462.3 | 0.0 | S |
| 69.117 | 0.0000 | 0.0000 | 76.177 | 0.67254 | 0.00000 | 789605.1 | 753482.4 | 0.0 | S |
| 69.125 | 0.0000 | 0.0000 | 76.176 | 0.67232 | 0.00000 | 789605.1 | 753502.6 | 0.0 | S |
| 69.133 | 0.0000 | 0.0000 | 76.175 | 0.67210 | 0.00000 | 789605.1 | 753522.8 | 0.0 | S |
| 69.142 | 0.0000 | 0.0000 | 76.174 | 0.67188 | 0.00000 | 789605.1 | 753542.9 | 0.0 | S |
| 69.150 | 0.0000 | 0.0000 | 76.173 | 0.67166 | 0.00000 | 789605.1 | 753563.1 | 0.0 | S |
| 69.158 | 0.0000 | 0.0000 | 76.172 | 0.67144 | 0.00000 | 789605.1 | 753583.3 | 0.0 | S |
| 69.167 | 0.0000 | 0.0000 | 76.171 | 0.67122 | 0.00000 | 789605.1 | 753603.4 | 0.0 | S |
| 69.175 | 0.0000 | 0.0000 | 76.171 | 0.67100 | 0.00000 | 789605.1 | 753623.5 | 0.0 | S |
| 69.183 | 0.0000 | 0.0000 | 76.170 | 0.67078 | 0.00000 | 789605.1 | 753643.6 | 0.0 | S |
| 69.192 | 0.0000 | 0.0000 | 76.169 | 0.67056 | 0.00000 | 789605.1 | 753663.8 | 0.0 | S |
| 69.200 | 0.0000 | 0.0000 | 76.168 | 0.67034 | 0.00000 | 789605.1 | 753683.9 | 0.0 | S |
| 69.208 | 0.0000 | 0.0000 | 76.167 | 0.67012 | 0.00000 | 789605.1 | 753703.9 | 0.0 | S |
| 69.217 | 0.0000 | 0.0000 | 76.166 | 0.66990 | 0.00000 | 789605.1 | 753724.1 | 0.0 | S |
| 69.225 | 0.0000 | 0.0000 | 76.165 | 0.66968 | 0.00000 | 789605.1 | 753744.1 | 0.0 | S |
| 69.233 | 0.0000 | 0.0000 | 76.164 | 0.66946 | 0.00000 | 789605.1 | 753764.3 | 0.0 | S |
| 69.242 | 0.0000 | 0.0000 | 76.163 | 0.66924 | 0.00000 | 789605.1 | 753784.3 | 0.0 | S |
| 69.250 | 0.0000 | 0.0000 | 76.162 | 0.66902 | 0.00000 | 789605.1 | 753804.4 | 0.0 | S |
| 69.258 | 0.0000 | 0.0000 | 76.161 | 0.66880 | 0.00000 | 789605.1 | 753824.4 | 0.0 | S |
| 69.267 | 0.0000 | 0.0000 | 76.160 | 0.66858 | 0.00000 | 789605.1 | 753844.5 | 0.0 | S |
| 69.275 | 0.0000 | 0.0000 | 76.159 | 0.66836 | 0.00000 | 789605.1 | 753864.6 | 0.0 | S |
| 69.283 | 0.0000 | 0.0000 | 76.158 | 0.66814 | 0.00000 | 789605.1 | 753884.6 | 0.0 | S |
| 69.292 | 0.0000 | 0.0000 | 76.157 | 0.66792 | 0.00000 | 789605.1 | 753904.7 | 0.0 | S |
| 69.300 | 0.0000 | 0.0000 | 76.156 | 0.66770 | 0.00000 | 789605.1 | 753924.7 | 0.0 | S |
| 69.308 | 0.0000 | 0.0000 | 76.155 | 0.66748 | 0.00000 | 789605.1 | 753944.8 | 0.0 | S |
| 69.317 | 0.0000 | 0.0000 | 76.155 | 0.66726 | 0.00000 | 789605.1 | 753964.8 | 0.0 | S |
| 69.325 | 0.0000 | 0.0000 | 76.154 | 0.66704 | 0.00000 | 789605.1 | 753984.8 | 0.0 | S |
| 69.333 | 0.0000 | 0.0000 | 76.153 | 0.66682 | 0.00000 | 789605.1 | 754004.8 | 0.0 | S |
| 69.342 | 0.0000 | 0.0000 | 76.152 | 0.66660 | 0.00000 | 789605.1 | 754024.8 | 0.0 | S |
| 69.350 | 0.0000 | 0.0000 | 76.151 | 0.66638 | 0.00000 | 789605.1 | 754044.8 | 0.0 | S |
| 69.358 | 0.0000 | 0.0000 | 76.150 | 0.66616 | 0.00000 | 789605.1 | 754064.8 | 0.0 | S |
| 69.367 | 0.0000 | 0.0000 | 76.149 | 0.66594 | 0.00000 | 789605.1 | 754084.8 | 0.0 | S |
| 69.375 | 0.0000 | 0.0000 | 76.148 | 0.66572 | 0.00000 | 789605.1 | 754104.7 | 0.0 | S |
| 69.383 | 0.0000 | 0.0000 | 76.147 | 0.66550 | 0.00000 | 789605.1 | 754124.7 | 0.0 | S |
| 69.392 | 0.0000 | 0.0000 | 76.146 | 0.66528 | 0.00000 | 789605.1 | 754144.6 | 0.0 | S |
| 69.400 | 0.0000 | 0.0000 | 76.145 | 0.66507 | 0.00000 | 789605.1 | 754164.6 | 0.0 | S |
| 69.408 | 0.0000 | 0.0000 | 76.144 | 0.66485 | 0.00000 | 789605.1 | 754184.6 | 0.0 | S |
| 69.417 | 0.0000 | 0.0000 | 76.143 | 0.66463 | 0.00000 | 789605.1 | 754204.5 | 0.0 | S |
| 69.425 | 0.0000 | 0.0000 | 76.142 | 0.66441 | 0.00000 | 789605.1 | 754224.4 | 0.0 | S |
| 69.433 | 0.0000 | 0.0000 | 76.141 | 0.66419 | 0.00000 | 789605.1 | 754244.4 | 0.0 | S |
| 69.442 | 0.0000 | 0.0000 | 76.140 | 0.66397 | 0.00000 | 789605.1 | 754264.3 | 0.0 | S |
| 69.450 | 0.0000 | 0.0000 | 76.139 | 0.66375 | 0.00000 | 789605.1 | 754284.2 | 0.0 | S |
| 69.458 | 0.0000 | 0.0000 | 76.139 | 0.66353 | 0.00000 | 789605.1 | 754304.1 | 0.0 | S |
| 69.467 | 0.0000 | 0.0000 | 76.138 | 0.66331 | 0.00000 | 789605.1 | 754324.0 | 0.0 | S |
| 69.475 | 0.0000 | 0.0000 | 76.137 | 0.66309 | 0.00000 | 789605.1 | 754343.9 | 0.0 | S |
| 69.483 | 0.0000 | 0.0000 | 76.136 | 0.66287 | 0.00000 | 789605.1 | 754363.8 | 0.0 | S |
| 69.492 | 0.0000 | 0.0000 | 76.135 | 0.66265 | 0.00000 | 789605.1 | 754383.7 | 0.0 | S |
| 69.500 | 0.0000 | 0.0000 | 76.134 | 0.66243 | 0.00000 | 789605.1 | 754403.6 | 0.0 | S |
| 69.508 | 0.0000 | 0.0000 | 76.133 | 0.66222 | 0.00000 | 789605.1 | 754423.4 | 0.0 | S |
| 69.517 | 0.0000 | 0.0000 | 76.132 | 0.66200 | 0.00000 | 789605.1 | 754443.3 | 0.0 | S |
| 69.525 | 0.0000 | 0.0000 | 76.131 | 0.66178 | 0.00000 | 789605.1 | 754463.1 | 0.0 | S |
| 69.533 | 0.0000 | 0.0000 | 76.130 | 0.66156 | 0.00000 | 789605.1 | 754483.0 | 0.0 | S |
| 69.542 | 0.0000 | 0.0000 | 76.129 | 0.66134 | 0.00000 | 789605.1 | 754502.8 | 0.0 | S |
| 69.550 | 0.0000 | 0.0000 | 76.128 | 0.66112 | 0.00000 | 789605.1 | 754522.7 | 0.0 | S |
| 69.558 | 0.0000 | 0.0000 | 76.127 | 0.66090 | 0.00000 | 789605.1 | 754542.5 | 0.0 | S |
| 69.567 | 0.0000 | 0.0000 | 76.126 | 0.66068 | 0.00000 | 789605.1 | 754562.3 | 0.0 | S |
| 69.575 | 0.0000 | 0.0000 | 76.125 | 0.66047 | 0.00000 | 789605.1 | 754582.1 | 0.0 | S |
| 69.583 | 0.0000 | 0.0000 | 76.124 | 0.66025 | 0.00000 | 789605.1 | 754601.9 | 0.0 | S |
| 69.592 | 0.0000 | 0.0000 | 76.123 | 0.66003 | 0.00000 | 789605.1 | 754621.8 | 0.0 | S |
| 69.600 | 0.0000 | 0.0000 | 76.122 | 0.65981 | 0.00000 | 789605.1 | 754641.6 | 0.0 | S |
| 69.608 | 0.0000 | 0.0000 | 76.122 | 0.65959 | 0.00000 | 789605.1 | 754661.3 | 0.0 | S |
| 69.617 | 0.0000 | 0.0000 | 76.121 | 0.65937 | 0.00000 | 789605.1 | 754681.1 | 0.0 | S |
| 69.625 | 0.0000 | 0.0000 | 76.120 | 0.65915 | 0.00000 | 789605.1 | 754700.9 | 0.0 | S |
| 69.633 | 0.0000 | 0.0000 | 76.119 | 0.65894 | 0.00000 | 789605.1 | 754720.7 | 0.0 | S |
| 69.642 | 0.0000 | 0.0000 | 76.118 | 0.65872 | 0.00000 | 789605.1 | 754740.4 | 0.0 | S |
| 69.650 | 0.0000 | 0.0000 | 76.117 | 0.65850 | 0.00000 | 789605.1 | 754760.2 | 0.0 | S |
| 69.658 | 0.0000 | 0.0000 | 76.116 | 0.65828 | 0.00000 | 789605.1 | 754779.9 | 0.0 | S |
| 69.667 | 0.0000 | 0.0000 | 76.115 | 0.65806 | 0.00000 | 789605.1 | 754799.7 | 0.0 | S |
| 69.675 | 0.0000 | 0.0000 | 76.114 | 0.65784 | 0.00000 | 789605.1 | 754819.4 | 0.0 | S |

# PONDS Version 3.2.0207 

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont.d.) $\because:$ Scenario 1 :: Pond 5100 yr/24 hr

| Elapsed Time (hours) | inflow Rate ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate (ft ${ }^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{H}^{3 / \mathrm{s}}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{t}^{3}$ ) | Cumulative <br> Discharge <br> Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 69.683 | 0.0000 | 0.0000 | 76.113 | 0.65762 | 0.00000 | 789605.1 | 754839.2 | 0.0 | S |
| 69.692 | 0.0000 | 0.0000 | 76.112 | 0.65741 | 0.00000 | 789605.1 | 754858.9 | 0.0 | S |
| 69.700 | 0.0000 | 0.0000 | 76.111 | 0.65719 | 0.00000 | 789605.1 | 754878.6 | 0.0 | S |
| 69.708 | 0.0000 | 0.0000 | 76.110 | 0.65697 | 0.00000 | 789605.1 | 754898.3 | 0.0 | S |
| 69.717 | 0.0000 | 0.0000 | 76.109 | 0.65675 | 0.00000 | 789605.1 | 754918.0 | 0.0 | S |
| 69.725 | 0.0000 | 0.0000 | 76.108 | 0.65653 | 0.00000 | 789605.1 | 754937.8 | 0.0 | S |
| 69.733 | 0.0000 | 0.0000 | 76.107 | 0.65632 | 0.00000 | 789605.1 | 754957.4 | 0.0 | S |
| 69.742 | 0.0000 | 0.0000 | 76.106 | 0.65610 | 0.00000 | 789605.1 | 754977.1 | 0.0 | S |
| 69.750 | 0.0000 | 0.0000 | 76.106 | 0.65588 | 0.00000 | 789605.1 | 754996.8 | 0.0 | S |
| 69.758 | 0.0000 | 0.0000 | 76.105 | 0.65566 | 0.00000 | 789605.1 | 755016.4 | 0.0 | S |
| 69.767 | 0.0000 | 0.0000 | 76.104 | 0.65544 | 0.00000 | 789605.1 | 755036.1 | 0.0 | S |
| 69.775 | 0.0000 | 0.0000 | 76.103 | 0.65523 | 0.00000 | 789605.1 | 755055.8 | 0.0 | S |
| 69.783 | 0.0000 | 0.0000 | 76.102 | 0.65501 | 0.00000 | 789605.1 | 755075.4 | 0.0 | S |
| 68.792 | 0.0000 | 0.0000 | 76.101 | 0.65479 | 0.00000 | 789605.1 | 755095.1 | 0.0 | S |
| 69.800 | 0.0000 | 0.0000 | 76.100 | 0.65457 | 0.00000 | 789605.1 | 755114.8 | 0.0 | S |
| 69.808 | 0.0000 | 0.0000 | 76.099 | 0.65435 | 0.00000 | 789605.1 | 755134.4 | 0.0 | S |
| 69.817 | 0.0000 | 0.0000 | 76.098 | 0.65414 | 0.00000 | 789605.1 | 755154.0 | 0.0 | S |
| 69.825 | 0.0000 | 0.0000 | 76.097 | 0.65392 | 0.00000 | 789605.1 | 755173.6 | 0.0 | S |
| 69.833 | 0.0000 | 0.0000 | 76.096 | 0.65370 | 0.00000 | 789605.1 | 755193.3 | 0.0 | S |
| 69.842 | 0.0000 | 0.0000 | 76.095 | 0.65348 | 0.00000 | 789605.1 | 755212.8 | 0.0 | S |
| 69.850 | 0.0000 | 0.0000 | 76.094 | 0.65327 | 0.00000 | 789605.1 | 755232.4 | 0.0 | S |
| 69.858 | 0.0000 | 0.0000 | 76.093 | 0.65305 | 0.00000 | 789605.1 | 755252.0 | 0.0 | S |
| 69.867 | 0.0000 | 0.0000 | 76.092 | 0.65283 | 0.00000 | 789605.1 | 755271.6 | 0.0 | S |
| 69.875 | 0.0000 | 0.0000 | 76.091 | 0.65261 | 0.00000 | 789605.1 | 755291.2 | 0.0 | S |
| 69.883 | 0.0000 | 0.0000 | 76.090 | 0.65239 | 0.00000 | 789605.1 | 755310.8 | 0.0 | S |
| 69.892 | 0.0000 | 0.0000 | 76.089 | 0.65218 | 0.00000 | 789605.1 | 755330.3 | 0.0 | S |
| 69,900 | 0.0000 | 0.0000 | 76.089 | 0.65196 | 0.00000 | 789605.1 | 755349.9 | 0.0 | S |
| 69.908 | 0.0000 | 0.0000 | 76.088 | $0.65 \$ 74$ | 0.00000 | 789605.1 | 755369.4 | 0.0 | S |
| 69.917 | 0.0000 | 0.0000 | 76.087 | 0.65152 | 0.00000 | 789605.1 | 755389.0 | 0.0 | S |
| 69,925 | 0.0000 | 0.0000 | 76.086 | 0.65131 | 0.00000 | 789605.1 | 755408.6 | 0.0 | S |
| 69.933 | 0.0000 | 0.0000 | 76.085 | 0.65109 | 0.00000 | 789605.1 | 755428.1 | 0.0 | S |
| 69.942 | 0.0000 | 0.0000 | 76.084 | 0.65087 | 0.00000 | 789605.1 | 755447.6 | 0.0 | S |
| 69.950 | 0.0000 | 0.0000 | 76.083 | 0.65065 | 0.00000 | 789605.1 | 755467.1 | 0.0 | S |
| 69.958 | 0.0000 | 0.0000 | 76.082 | 0.65044 | 0.00000 | 789605.1 | 755486.6 | 0.0 | S |
| 69.967 | 0.0000 | 0.0000 | 76.081 | 0.65022 | 0.00000 | 789605.1 | 755506.2 | 0.0 | S |
| 69.975 | 0.0000 | 0.0000 | 76.080 | 0.65000 | 0.00000 | 789605.1 | 755525.7 | 0.0 | S |
| 69.983 | 0.0000 | 0.0000 | 76.079 | 0.64979 | 0.00000 | 789605.1 | 755545.2 | 0.0 | S |
| 69.992 | 0.0000 | 0.0000 | 76.078 | 0.64957 | 0.00000 | 789605.1 | 755564.6 | 0.0 | S |
| 70.000 | 0.0000 | 0.0000 | 76.077 | 0.64935 | 0.00000 | 789605.1 | 755584.1 | 0.0 | S |
| 70.008 | 0.0000 | 0.0000 | 76.076 | 0.64913 | 0.00000 | 789605.1 | 755603.6 | 0.0 | S |
| 70.017 | 0.0000 | 0.0000 | 76.075 | 0.64892 | 0.00000 | 789605.1 | 755623.1 | 0.0 | S |
| 70.025 | 0.0000 | 0.0000 | 76.074 | 0.64870 | 0.00000 | 789605.1 | 755642.6 | 0.0 | S |
| 70.033 | 0.0000 | 0.0000 | 76.073 | 0.64848 | 0.00000 | 789605.1 | 755662.0 | 0.0 | S |
| 70.042 | 0.0000 | 0.0000 | 76.072 | 0.64827 | 0.00000 | 789605.1 | 755681.4 | 0.0 | S |
| 70.050 | 0.0000 | 0.0000 | 76.072 | 0.64805 | 0.00000 | 789605.1 | 755700.9 | 0.0 | S |
| 70.058 | 0.0000 | 0.0000 | 76.071 | 0.64783 | 0.00000 | 789605.1 | 755720.3 | 0.0 | S |
| 70.067 | 0.0000 | 0.0000 | 76.070 | 0.64762 | 0.00000 | 789605.1 | 755739.8 | 0.0 | S |
| 70.075 | 0.0000 | 0.0000 | 76.069 | 0.64740 | 0.00000 | 789605.1 | 755759.2 | 0.0 | S |
| 70.083 | 0.0000 | 0.0000 | 76.068 | 0.64718 | 0.00000 | 789605.1 | 755778.6 | 0.0 | S |
| 70.092 | 0.0000 | 0.0000 | 76.067 | 0.64696 | 0.00000 | 789605.1 | 755798.0 | 0.0 | S |
| 70.100 | 0.0000 | 0.0000 | 76.066 | 0.64675 | 0.00000 | 789605.1 | 755817.4 | 0.0 | S |
| 70.108 | 0.0000 | 0.0000 | 76.065 | 0.64653 | 0.00000 | 789605.1 | 755836.8 | 0.0 | S |
| 70.117 | 0.0000 | 0.0000 | 76.064 | 0.64631 | 0.00000 | 789605.1 | 755856.3 | 0.0 | S |
| 70.125 | 0.0000 | 0.0000 | 76.063 | 0.64610 | 0.00000 | 789605.1 | 755875.6 | 0.0 | S |
| 70.133 | 0.0000 | 0.0000 | 76.062 | 0.64588 | 0.00000 | 789605.1 | 755895.0 | 0.0 | S |
| 70.142 | 0.0000 | 0.0000 | 76.061 | 0.64566 | 0.00000 | 789605.1 | 755914.4 | 0.0 | S |
| 70.150 | 0.0000 | 0.0000 | 76.060 | 0.64545 | 0.00000 | 789605.1 | 755933.8 | 0.0 | S |
| 70.158 | 0.0000 | 0.0000 | 76.059 | 0.64523 | 0.00000 | 789605.1 | 755953.1 | 0.0 | S |
| 70.167 | 0.0000 | 0.0000 | 76.058 | 0.64501 | 0.00000 | 789605.1 | 755972.4 | 0.0 | S |
| 70.175 | 0.0000 | 0.0000 | 76.057 | 0.64480 | 0.00000 | 789605.1 | 755991.8 | 0.0 | S |
| 70.183 | 0.0000 | 0.0000 | 76.056 | 0.64458 | 0.00000 | 789605.1 | 756011.1 | 0.0 | S |
| 70.192 | 0.0000 | 0.0000 | 76.055 | 0.64436 | 0.00000 | 789605.1 | 756030.5 | 0.0 | S |
| 70.200 | 0.0000 | 0.0000 | 76.054 | 0.64415 | 0.00000 | 789605.1 | 756049.8 | 0.0 | S |
| 70.208 | 0.0000 | 0.0000 | 76.054 | 0.64393 | 0.00000 | 789605.1 | 756069.1 | 0.0 | S |
| 70.217 | 0.0000 | 0.0000 | 76.053 | 0.64371 | 0.00000 | 789605.1 | 756088.4 | 0.0 | S |
| 70.225 | 0.0000 | 0.0000 | 76.052 | 0.64350 | 0.00000 | 789605.1 | 756107.8 | 0.0 | S |
| 70.233 | 0.0000 | 0.0000 | 76.051 | 0.64328 | 0.00000 | 789605.1 | 756127.1 | 0.0 | S |
| 70.242 | 0.0000 | 0.0000 | 76.050 | 0.64307 | 0.00000 | 789605.1 | 756146.3 | 0.0 | S |
| 70.250 | 0.0000 | 0.0000 | 76.049 | 0.64285 | 0.00000 | 789605.1 | 756165.6 | 0.0 | S |
| 70.258 | 0.0000 | 0.0000 | 76.048 | 0.64263 | 0.00000 | 789605.1 | 756184.9 | 0.0 | S |
| 70.267 | 0.0000 | 0.0000 | 76.047 | 0.64242 | 0.00000 | 789605.1 | 756204.2 | 0.0 | S |
| 70.275 | 0.0000 | 0.0000 | 76.046 | 0.64220 | 0.00000 | 789605.1 | 756223.4 | 0.0 | S |
| 70.283 | 0.0000 | 0.0000 | 76.045 | 0.64198 | 0.00000 | 789605.1 | 756242.7 | 0.0 | S |
| 70.292 | 0.0000 | 0.0000 | 76.044 | 0.64177 | 0.00000 | 789605.1 | 756262.0 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | inflow Rate ( $\mathrm{t}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 70.300 | 0.0000 | 0.0000 | 76.043 | 0.64155 | 0.00000 | 789605.1 | 756281.3 | 0.0 | S |
| 70.308 | 0.0000 | 0.0000 | 76.042 | 0.64134 | 0.00000 | 789605.1 | 756300.4 | 0.0 | S |
| 70.317 | 0.0000 | 0.0000 | 76.041 | 0.64112 | 0.00000 | 789605.1 | 756319.7 | 0.0 | S |
| 70.325 | 0.0000 | 0.0000 | 76.040 | 0.64090 | 0.00000 | 789605.1 | 756338.9 | 0.0 | S |
| 70.333 | 0.0000 | 0.0000 | 76.039 | 0.64069 | 0.00000 | 789605.1 | 756358.2 | 0.0 | S |
| 70.342 | 0.0000 | 0.0000 | 76.038 | 0.64047 | 0.00000 | 789605.1 | 756377.4 | 0.0 | S |
| 70.350 | 0.0000 | 0.0000 | 76.037 | 0.64026 | 0.00000 | 789605.1 | 756396.6 | 0.0 | S |
| 70.358 | 0.0000 | 0.0000 | 76.036 | 0.64004 | 0.00000 | 789605.1 | 756415.8 | 0.0 | S |
| 70.367 | 0.0000 | 0.0000 | 76.036 | 0.63982 | 0.00000 | 789605.1 | 756435.0 | 0.0 | S |
| 70.375 | 0.0000 | 0.0000 | 76.035 | 0.63961 | 0.00000 | 789605.1 | 756454.2 | 0.0 | S |
| 70.383 | 0.0000 | 0.0000 | 76.034 | 0.63939 | 0.00000 | 789605.1 | 756473.4 | 0.0 | S |
| 70.392 | 0.0000 | 0.0000 | 76.033 | 0.63918 | 0.00000 | 789605.1 | 756492.6 | 0.0 | S |
| 70.400 | 0.0000 | 0.0000 | 76.032 | 0.63896 | 0.00000 | 789605.1 | 756511.7 | 0.0 | S |
| 70.408 | 0.0000 | 0.0000 | 76.031 | 0.63874 | 0.00000 | 789605.1 | 756530.9 | 0.0 | S |
| 70.417 | 0.0000 | 0.0000 | 76.030 | 0.63853 | 0.00000 | 789605.1 | 756550.1 | 0.0 | S |
| 70.425 | 0.0000 | 0.0000 | 76.029 | 0.63831 | 0.00000 | 789605.1 | 756569.2 | 0.0 | S |
| 70.433 | 0.0000 | 0.0000 | 76.028 | 0.63810 | 0.00000 | 789605.1 | 756588.3 | 0.0 | S |
| 70.442 | 0.0000 | 0.0000 | 76.027 | 0.63788 | 0.00000 | 789605.1 | 756607.5 | 0.0 | S |
| 70.450 | 0.0000 | 0.0000 | 76.026 | 0.63767 | 0.00000 | 789605.1 | 756626.6 | 0.0 | S |
| 70.458 | 0.0000 | 0.0000 | 76.025 | 0.63745 | 0.00000 | 789605.1 | 756645.8 | 0.0 | S |
| 70.467 | 0.0000 | 0.0000 | 76.024 | 0.63723 | 0.00000 | 789605.1 | 756664.9 | 0.0 | S |
| 70.475 | 0.0000 | 0.0000 | 76.023 | 0.63702 | 0.00000 | 789605.1 | 756684.0 | 0.0 | S |
| 70.483 | 0.0000 | 0.0000 | 76.022 | 0.63680 | 0.00000 | 789605.1 | 756703.1 | 0.0 | S |
| 70.492 | 0.0000 | 0.0000 | 76.021 | 0.63659 | 0.00000 | 789605.1 | 756722.2 | 0.0 | S |
| 70.500 | 0.0000 | 0.0000 | 76.020 | 0.63637 | 0.00000 | 789605.1 | 756741.3 | 0.0 | S |
| 70.508 | 0.0000 | 0.0000 | 76.019 | 0.63616 | 0.00000 | 789605.1 | 756760.4 | 0.0 | S |
| 70.517 | 0.0000 | 0.0000 | 76.018 | 0.63594 | 0.00000 | 789605.1 | 756779.4 | 0.0 | S |
| 70.525 | 0.0000 | 0.0000 | 76.018 | 0.63573 | 0.00000 | 789605.1 | 756798.5 | 0.0 | S |
| 70.533 | 0.0000 | 0.0000 | 76.017 | 0.63551 | 0.00000 | 789605.1 | 756817.6 | 0.0 | S |
| 70.542 | 0.0000 | 0.0000 | 76.016 | 0.63530 | 0.00000 | 789605.1 | 756836.6 | 0.0 | S |
| 70.550 | 0.0000 | 0.0000 | 76.015 | 0.63508 | 0.00000 | 789605.1 | 756855.7 | 0.0 | S |
| 70.558 | 0.0000 | 0.0000 | 76.014 | 0.63486 | 0.00000 | 789605.1 | 756874.8 | 0.0 | S |
| 70.567 | 0.0000 | 0.0000 | 76.013 | 0.63465 | 0.00000 | 789605.1 | 756893.8 | 0.0 | S |
| 70.575 | 0.0000 | 0.0000 | 76.012 | 0.63443 | 0.00000 | 789605.1 | 756912.8 | 0.0 | S |
| 70.583 | 0.0000 | 0.0000 | 76.011 | 0.63422 | 0.00000 | 789605.1 | 756931.9 | 0.0 | S |
| 70.592 | 0.0000 | 0.0000 | 76.010 | 0.63400 | 0.00000 | 789605.1 | 756950.9 | 0.0 | S |
| 70.600 | 0.0000 | 0.0000 | 76.009 | 0.63379 | 0.00000 | 789605.1 | 756969.9 | 0.0 | S |
| 70.608 | 0.0000 | 0.0000 | 76.008 | 0.63357 | 0.00000 | 789605.1 | 756988.9 | 0.0 | S |
| 70.617 | 0.0000 | 0.0000 | 76.007 | 0.63336 | 0.00000 | 789605.1 | 757007.9 | 0.0 | S |
| 70.625 | 0.0000 | 0.0000 | 76.006 | 0.63314 | 0.00000 | 789605.1 | 757026.9 | 0.0 | S |
| 70.633 | 0.0000 | 0.0000 | 76.005 | 0.63293 | 0.00000 | 789605.1 | 757045.9 | 0.0 | S |
| 70.642 | 0.0000 | 0.0000 | 76.004 | 0.63271 | 0.00000 | 789605.1 | 757064.9 | 0.0 | S |
| 70.650 | 0.0000 | 0.0000 | 76.003 | 0.63250 | 0.00000 | 789605.1 | 757083.9 | 0.0 | S |
| 70.658 | 0.0000 | 0.0000 | 76.002 | 0.63228 | 0.00000 | 789605.1 | 757102.8 | 0.0 | S |
| 70.667 | 0.0000 | 0.0000 | 76.001 | 0.63207 | 0.00000 | 789605.1 | 757121.8 | 0.0 | S |
| 70.675 | 0.0000 | 0.0000 | 76.000 | 0.63185 | 0.00000 | 789605.1 | 757140.8 | 0.0 | S |
| 70.683 | 0.0000 | 0.0000 | 76.000 | 0.63164 | 0.00000 | 789605.1 | 757159.7 | 0.0 | S |
| 70.692 | 0.0000 | 0.0000 | 75.999 | 0.63143 | 0.00000 | 789605.1 | 757178.7 | 0.0 | S |
| 70.700 | 0.0000 | 0.0000 | 75.998 | 0.63121 | 0.00000 | 789605.1 | 757197.6 | 0.0 | S |
| 70.708 | 0.0000 | 0.0000 | 75.997 | 0.63100 | 0.00000 | 789605.1 | 757216.6 | 0.0 | S |
| 70.717 | 0.0000 | 0.0000 | 75.996 | 0.63079 | 0.00000 | 789605.1 | 757235.4 | 0.0 | S |
| 70.725 | 0.0000 | 0.0000 | 75.995 | 0.63057 | 0.00000 | 789605.1 | 757254.4 | 0.0 | S |
| 70.733 | 0.0000 | 0.0000 | 75.994 | 0.63036 | 0.00000 | 789605.1 | 757273.3 | 0.0 | S |
| 70.742 | 0.0000 | 0.0000 | 75.993 | 0.63015 | 0.00000 | 789605.1 | 757292.2 | 0.0 | S |
| 70.750 | 0.0000 | 0.0000 | 75.992 | 0.62994 | 0.00000 | 789605.1 | 757311.1 | 0.0 | S |
| 70.758 | 0.0000 | 0.0000 | 75.991 | 0.62972 | 0.00000 | 789605.1 | 757330.0 | 0.0 | S |
| 70.767 | 0.0000 | 0.0000 | 75.990 | 0.62951 | 0.00000 | 789605.1 | 757348.9 | 0.0 | S |
| 70.775 | 0.0000 | 0.0000 | 75.989 | 0.62930 | 0.00000 | 789605.1 | 757367.8 | 0.0 | S |
| 70.783 | 0.0000 | 0.0000 | 75.988 | 0.62909 | 0.00000 | 789605.1 | 757386.6 | 0.0 | S |
| 70.792 | 0.0000 | 0.0000 | 75.987 | 0.62888 | 0.00000 | 789605.1 | 757405.5 | 0.0 | S |
| 70.800 | 0.0000 | 0.0000 | 75.986 | 0.62866 | 0.00000 | 789605.1 | 757424.4 | 0.0 | S |
| 70.808 | 0.0000 | 0.0000 | 75.985 | 0.62845 | 0.00000 | 789605.1 | 757443.3 | 0.0 | S |
| 70.817 | 0.0000 | 0.0000 | 75.984 | 0.62824 | 0.00000 | 789605.1 | 757462.1 | 0.0 | S |
| 70.825 | 0.0000 | 0.0000 | 75.983 | 0.62803 | 0.00000 | 789605.1 | 757480.9 | 0.0 | S |
| 70.833 | 0.0000 | 0.0000 | 75.982 | 0.62782 | 0.00000 | 789605.1 | 757499.8 | 0.0 | S |
| 70.842 | 0.0000 | 0.0000 | 75.981 | 0.62761 | 0.00000 | 789605.1 | 757518.6 | 0.0 | S |
| 70.850 | 0.0000 | 0.0000 | 75.981 | 0.62740 | 0.00000 | 789605.1 | 757537.4 | 0.0 | S |
| 70.858 | 0.0000 | 0.0000 | 75.980 | 0.62719 | 0.00000 | 789605.1 | 757556.3 | 0.0 | S |
| 70.867 | 0.0000 | 0.0000 | 75.979 | 0.62698 | 0.00000 | 789605.1 | 757575.1 | 0.0 | S |
| 70.875 | 0.0000 | 0.0000 | 75.978 | 0.62677 | 0.00000 | 789605.1 | 757593.9 | 0.0 | S |
| 70.883 | 0.0000 | 0.0000 | 75.977 | 0.62656 | 0.00000 | 789605.1 | 757612.7 | 0.0 | S |
| 70.892 | 0.0000 | 0.0000 | 75.976 | 0.62635 | 0.00000 | 789605.1 | 757631.4 | 0.0 | S |
| 70.900 | 0.0000 | 0.0000 | 75.975 | 0.62614 | 0.00000 | 789605.1 | 757650.3 | 0.0 | S |
| 70.908 | 0.0000 | 0.0000 | 75.974 | 0.62593 | 0.00000 | 789605.1 | 757669.0 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Enflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation ( H datum) | infiltration Rate ( $\mathrm{H}^{3 / 5}$ ) | Overfiow Discharge ( $\mathrm{H}^{3 / 5}$ ) | Cumulative Inflow Volume ( ft ) | Cumulative Infiltration Volume ( $\mathrm{H}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{n}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 70.917 | 0.0000 | 0.0000 | 75.973 | 0.62572 | 0.00000 | 789605.1 | 757687.8 | 0.0 | S |
| 70.925 | 0.0000 | 0.0000 | 75.972 | 0.62551 | 0.00000 | 789605.1 | 757706.6 | 0.0 | S |
| 70.933 | 0.0000 | 0.0000 | 75.971 | 0.62530 | 0.00000 | 789605.1 | 757725.3 | 0.0 | S |
| 70.942 | 0.0000 | 0.0000 | 75.970 | 0.62509 | 0.00000 | 789605.1 | 757744.1 | 0.0 | S |
| 70.950 | 0.0000 | 0.0000 | 75.969 | 0.62488 | 0.00000 | 789605.1 | 757762.8 | 0.0 | S |
| 70.958 | 0.0000 | 0.0000 | 75.968 | 0.62467 | 0.00000 | 789605.1 | 757781.6 | 0.0 | S |
| 70.967 | 0.0000 | 0.0000 | 75.967 | 0.62446 | 0.00000 | 789605.1 | 757800.3 | 0.0 | S |
| 70.975 | 0.0000 | 0.0000 | 75.966 | 0.62425 | 0.00000 | 789605.1 | 757819.1 | 0.0 | S |
| 70.983 | 0.0000 | 0.0000 | 75.965 | 0.62404 | 0.00000 | 789605.1 | 757837.8 | 0.0 | S |
| 70.992 | 0.0000 | 0.0000 | 75.964 | 0.62383 | 0.00000 | 789605.1 | 757856.5 | 0.0 | S |
| 71.000 | 0.0000 | 0.0000 | 75.963 | 0.62362 | 0.00000 | 789605.1 | 757875.2 | 0.0 | S |
| 71.008 | 0.0000 | 0.0000 | 75.963 | 0.62341 | 0.00000 | 789605.1 | 757893.9 | 0.0 | S |
| 71.017 | 0.0000 | 0.0000 | 75.962 | 0.62320 | 0.00000 | 789605.1 | 757912.6 | 0.0 | S |
| 71.025 | 0.0000 | 0.0000 | 75.961 | 0.62299 | 0.00000 | 789605.1 | 757931.3 | 0.0 | S |
| 71.033 | 0.0000 | 0.0000 | 75.960 | 0.62279 | 0.00000 | 789605.1 | 757950.0 | 0.0 | S |
| 71.042 | 0.0000 | 0.0000 | 75.959 | 0.62258 | 0.00000 | 789605.1 | 757968.7 | 0.0 | S |
| 71.050 | 0.0000 | 0.0000 | 75.958 | 0.62237 | 0.00000 | 789605.1 | 757987.3 | 0.0 | S |
| 71.058 | 0.0000 | 0.0000 | 75.957 | 0.62216 | 0.00000 | 789605.1 | 758006.0 | 0.0 | S |
| 71.067 | 0.0000 | 0.0000 | 75.956 | 0.62195 | 0.00000 | 789605.1 | 758024.7 | 0.0 | S |
| 71.075 | 0.0000 | 0.0000 | 75.955 | 0.62174 | 0.00000 | 789605.1 | 758043.3 | 0.0 | S |
| 71.083 | 0.0000 | 0.0000 | 75.954 | 0.62154 | 0.00000 | 789605.1 | 758062.0 | 0.0 | S |
| 71.092 | 0.0000 | 0.0000 | 75.953 | 0.62133 | 0.00000 | 789605.1 | 758080.6 | 0.0 | S |
| 71.100 | 0.0000 | 0.0000 | 75.952 | 0.62112 | 0.00000 | 789605.1 | 758099.3 | 0.0 | S |
| 71.108 | 0.0000 | 0.0000 | 75.951 | 0.62091 | 0.00000 | 789605.1 | 758117.9 | 0.0 | S |
| 71.117 | 0.0000 | 0.0000 | 75.950 | 0.62070 | 0.00000 | 789605.1 | 758136.5 | 0.0 | S |
| 71.125 | 0.0000 | 0.0000 | 75.949 | 0.62050 | 0.00000 | 789605.1 | 758155.1 | 0.0 | S |
| 71.133 | 0.0000 | 0.0000 | 75.948 | 0.62029 | 0.00000 | 789605.1 | 758173.8 | 0.0 | S |
| 71.142 | 0.0000 | 0.0000 | 75.947 | 0.62008 | 0.00000 | 789605.1 | 758192.3 | 0.0 | S |
| 71.150 | 0.0000 | 0.0000 | 75.946 | 0.61987 | 0.00000 | 789605.1 | 758210.9 | 0.0 | S |
| 71.158 | 0.0000 | 0.0000 | 75.945 | 0.61967 | 0.00000 | 789605.1 | 758229.6 | 0.0 | S |
| 71.167 | 0.0000 | 0.0000 | 75.945 | 0.61946 | 0.00000 | 789605.1 | 758248.1 | 0.0 | S |
| 71.175 | 0.0000 | 0.0000 | 75.944 | 0.61925 | 0.00000 | 789605.1 | 758266.7 | 0.0 | S |
| 71.183 | 0.0000 | 0.0000 | 75.943 | 0.61905 | 0.00000 | 789605.1 | 758285.3 | 0.0 | S |
| 71.192 | 0.0000 | 0.0000 | 75.942 | 0.61884 | 0.00000 | 789605.1 | 758303.9 | 0.0 | S |
| 71.200 | 0.0000 | 0.0000 | 75.941 | 0.61863 | 0.00000 | 789605.1 | 758322.4 | 0.0 | S |
| 71.208 | 0.0000 | 0.0000 | 75.940 | 0.61842 | 0.00000 | 789605.1 | 758340.9 | 0.0 | S |
| 71.217 | 0.0000 | 0.0000 | 75.939 | 0.61822 | 0.00000 | 789605.1 | 758359.5 | 0.0 | S |
| 71.225 | 0.0000 | 0.0000 | 75.938 | 0.61801 | 0.00000 | 789605.1 | 758378.1 | 0.0 | S |
| 71.233 | 0.0000 | 0.0000 | 75.937 | 0.61780 | 0.00000 | 789605.1 | 758396.6 | 0.0 | S |
| 71.242 | 0.0000 | 0.0000 | 75.936 | 0.61760 | 0.00000 | 789605.1 | 758415.1 | 0.0 | S |
| 71.250 | 0.0000 | 0.0000 | 75.935 | 0.61739 | 0.00000 | 789605.1 | 758433.6 | 0.0 | S |
| 71.258 | 0.0000 | 0.0000 | 75.934 | 0.61718 | 0.00000 | 789605.1 | 758452.2 | 0.0 | S |
| 71.267 | 0.0000 | 0.0000 | 75.933 | 0.61698 | 0.00000 | 789605.1 | 758470.7 | 0.0 | S |
| 71.275 | 0.0000 | 0.0000 | 75.932 | 0.61677 | 0.00000 | 789605.1 | 758489.2 | 0.0 | S |
| 71.283 | 0.0000 | 0.0000 | 75.931 | 0.61656 | 0.00000 | 789605.1 | 758507.7 | 0.0 | S |
| 71.292 | 0.0000 | 0.0000 | 75.930 | 0.61636 | 0.00000 | 789605.1 | 758526.2 | 0.0 | S |
| 71.300 | 0.0000 | 0.0000 | 75.929 | 0.61615 | 0.00000 | 789605.1 | 758544.7 | 0.0 | S |
| 71.308 | 0.0000 | 0.0000 | 75.928 | 0.61595 | 0.00000 | 789605.1 | 758563.1 | 0.0 | S |
| 71.317 | 0.0000 | 0.0000 | 75.927 | 0.61574 | 0.00000 | 789605.1 | 758581.6 | 0.0 | S |
| 71.325 | 0.0000 | 0.0000 | 75.926 | 0.61553 | 0.00000 | 789605.1 | 758600.1 | 0.0 | S |
| 71.333 | 0.0000 | 0.0000 | 75.926 | 0.61533 | 0.00000 | 789605.1 | 758618.6 | 0.0 | S |
| 71.342 | 0.0000 | 0.0000 | 75.925 | 0.61512 | 0.00000 | 789605.1 | 758637.0 | 0.0 | S |
| 71.350 | 0.0000 | 0.0000 | 75.924 | 0.61492 | 0.00000 | 789605.1 | 758655.4 | 0.0 | S |
| 71.358 | 0.0000 | 0.0000 | 75.923 | 0.61471 | 0.00000 | 789605.1 | 758673.9 | 0.0 | S |
| 71.367 | 0.0000 | 0.0000 | 75.922 | 0.61451 | 0.00000 | 789605.1 | 758692.4 | 0.0 | S |
| 71.375 | 0.0000 | 0.0000 | 75.921 | 0.61430 | 0.00000 | 789605.1 | 758710.8 | 0.0 | S |
| 71.383 | 0.0000 | 0.0000 | 75.920 | 0.61410 | 0.00000 | 789605.1 | 758729.2 | 0.0 | S |
| 71.392 | 0.0000 | 0.0000 | 75.919 | 0.61389 | 0.00000 | 789605.1 | 758747.6 | 0.0 | S |
| 71.400 | 0.0000 | 0.0000 | 75.918 | 0.61368 | 0.00000 | 789605.1 | 758766.1 | 0.0 | S |
| 71.408 | 0.0000 | 0.0000 | 75.917 | 0.61348 | 0.00000 | 789605.1 | 758784.4 | 0.0 | S |
| 71.417 | 0.0000 | 0.0000 | 75.916 | 0.61327 | 0.00000 | 789605.1 | 758802.9 | 0.0 | S |
| 71.425 | 0.0000 | 0.0000 | 75.915 | 0.61307 | 0.00000 | 789605.1 | 758821.3 | 0.0 | S |
| 71.433 | 0.0000 | 0.0000 | 75.914 | 0.61286 | 0.00000 | 789605.1 | 758839.6 | 0.0 | S |
| 71.442 | 0.0000 | 0.0000 | 75.913 | 0.61266 | 0.00000 | 789605.1 | 758858.0 | 0.0 | S |
| 71.450 | 0.0000 | 0.0000 | 75.912 | 0.61245 | 0.00000 | 789605.1 | 758876.4 | 0.0 | S |
| 71.458 | 0.0000 | 0.0000 | 75.911 | 0.61225 | 0.00000 | 789605.1 | 758894.8 | 0.0 | S |
| 71.467 | 0.0000 | 0.0000 | 75.910 | 0.61204 | 0.00000 | 789605.1 | 758913.1 | 0.0 | S |
| 71.475 | 0.0000 | 0.0000 | 75.909 | 0.61184 | 0.00000 | 789605.1 | 758931.5 | 0.0 | S |
| 71.483 | 0.0000 | 0.0000 | 75.908 | 0.61163 | 0.00000 | 789605.1 | 758949.8 | 0.0 | S |
| 71.492 | 0.0000 | 0.0000 | 75.908 | 0.61143 | 0.00000 | 789605.1 | 758968.2 | 0.0 | S |
| 71.500 | 0.0000 | 0.0000 | 75.907 | 0.61123 | 0.00000 | 789605.1 | 758986.5 | 0.0 | S |
| 71.508 | 0.0000 | 0.0000 | 75.906 | 0.61102 | 0.00000 | 789605.1 | 759004.9 | 0.0 | S |
| 71.517 | 0.0000 | 0.0000 | 75.905 | 0.61082 | 0.00000 | 789605.1 | 759023.2 | 0.0 | S |
| 71.525 | 0.0000 | 0.0000 | 75.904 | 0.61061 | 0.00000 | 789605.1 | 759041.5 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overliow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 71.533 | 0.0000 | 0.0000 | 75.903 | 0.61041 | 0.00000 | 789605.1 | 759059.8 | 0.0 | S |
| 71.542 | 0.0000 | 0.0000 | 75.902 | 0.61020 | 0.00000 | 789605.1 | 759078.1 | 0.0 | S |
| 71.550 | 0.0000 | 0.0000 | 75.901 | 0.61000 | 0.00000 | 789605.1 | 759096.4 | 0.0 | S |
| 71.558 | 0.0000 | 0.0000 | 75.900 | 0.60980 | 0.00000 | 789605.1 | 759114.8 | 0.0 | S |
| 71.567 | 0.0000 | 0.0000 | 75.899 | 0.60959 | 0.00000 | 789605.1 | 759133.0 | 0.0 | S |
| 71.575 | 0.0000 | 0.0000 | 75.898 | 0.60939 | 0.00000 | 789605.1 | 759151.3 | 0.0 | S |
| 71.583 | 0.0000 | 0.0000 | 75.897 | 0.60918 | 0.00000 | 789605.1 | 759169.6 | 0.0 | S |
| 71.592 | 0.0000 | 0.0000 | 75.896 | 0.60898 | 0.00000 | 789605.1 | 759187.9 | 0.0 | S |
| 71.600 | 0.0000 | 0.0000 | 75.895 | 0.60878 | 0.00000 | 789605.1 | 759206.1 | 0.0 | S |
| 71.608 | 0.0000 | 0.0000 | 75.894 | 0.60857 | 0.00000 | 789605.1 | 759224.4 | 0.0 | S |
| 71.617 | 0.0000 | 0.0000 | 75.893 | 0.60837 | 0.00000 | 789605.1 | 759242.6 | 0.0 | S |
| 71.625 | 0.0000 | 0.0000 | 75.892 | 0.60817 | 0.00000 | 789605.1 | 759260.9 | 0.0 | S |
| 71.633 | 0.0000 | 0.0000 | 75.891 | 0.60796 | 0.00000 | 789605.1 | 759279.1 | 0.0 | S |
| 71.642 | 0.0000 | 0.0000 | 75.890 | 0.60776 | 0.00000 | 789605.1 | 759297.4 | 0.0 | S |
| 71.650 | 0.0000 | 0.0000 | 75.890 | 0.60755 | 0.00000 | 789605.1 | 759315.6 | 0.0 | S |
| 71.658 | 0.0000 | 0.0000 | 75.889 | 0.60735 | 0.00000 | 789605.1 | 759333.8 | 0.0 | S |
| 71.667 | 0.0000 | 0.0000 | 75.888 | 0.60715 | 0.00000 | 789605.1 | 759352.1 | 0.0 | S |
| 71.675 | 0.0000 | 0.0000 | 75.887 | 0.60694 | 0.00000 | 789605.1 | 759370.3 | 0.0 | S |
| 71.683 | 0.0000 | 0.0000 | 75.886 | 0.60674 | 0.00000 | 789605.1 | 759388.4 | 0.0 | S |
| 71.692 | 0.0000 | 0.0000 | 75.885 | 0.60654 | 0.00000 | 789605.1 | 759406.6 | 0.0 | S |
| 71.700 | 0.0000 | 0.0000 | 75.884 | 0.60634 | 0.00000 | 789605.1 | 759424.8 | 0.0 | S |
| 71.708 | 0.0000 | 0.0000 | 75.883 | 0.60613 | 0.00000 | 789605.1 | 759443.0 | 0.0 | S |
| 71.717 | 0.0000 | 0.0000 | 75.882 | 0.60593 | 0.00000 | 789605.1 | 759461.2 | 0.0 | S |
| 71.725 | 0.0000 | 0.0000 | 75.881 | 0.60573 | 0.00000 | 789605.1 | 759479.4 | 0.0 | S |
| 71.733 | 0.0000 | 0.0000 | 75.880 | 0.60552 | 0.00000 | 789605.1 | 759497.6 | 0.0 | S |
| 71.742 | 0.0000 | 0.0000 | 75.879 | 0.60532 | 0.00000 | 789605.1 | 759515.7 | 0.0 | S |
| 71.750 | 0.0000 | 0.0000 | 75.878 | 0.60512 | 0.00000 | 789605.1 | 759533.9 | 0.0 | S |
| 71.758 | 0.0000 | 0.0000 | 75.877 | 0.60492 | 0.00000 | 789605.1 | 759552.0 | 0.0 | S |
| 71.767 | 0.0000 | 0.0000 | 75.876 | 0.60471 | 0.00000 | 789605.1 | 759570.2 | 0.0 | S |
| 71.775 | 0.0000 | 0.0000 | 75.875 | 0.60451 | 0.00000 | 789605.1 | 759588.3 | 0.0 | S |
| 71.783 | 0.0000 | 0.0000 | 75.874 | 0.60431 | 0.00000 | 789605.1 | 759606.4 | 0.0 | 5 |
| 71.792 | 0.0000 | 0.0000 | 75.873 | 0.60411 | 0.00000 | 789605.1 | 759624.6 | 0.0 | S |
| 71.800 | 0.0000 | 0.0000 | 75.872 | 0.60390 | 0.00000 | 789605.1 | 759642.7 | 0.0 | S |
| 71.808 | 0.0000 | 0.0000 | 75.872 | 0.60370 | 0.00000 | 789605.1 | 759660.8 | 0.0 | S |
| 71.817 | 0.0000 | 0.0000 | 75.871 | 0.60350 | 0.00000 | 789605.1 | 759678.9 | 0.0 | S |
| 71.825 | 0.0000 | 0.0000 | 75.870 | 0.60330 | 0.00000 | 789605.1 | 759697.0 | 0.0 | S |
| 71.833 | 0.0000 | 0.0000 | 75.869 | 0.60309 | 0.00000 | 789605.1 | 759715.1 | 0.0 | S |
| 71.842 | 0.0000 | 0.0000 | 75.868 | 0.60289 | 0.00000 | 789605.1 | 759733.2 | 0.0 | S |
| 71.850 | 0.0000 | 0.0000 | 75.867 | 0.60269 | 0.00000 | 789605.1 | 759751.3 | 0.0 | S |
| 71.858 | 0.0000 | 0.0000 | 75.866 | 0.60249 | 0.00000 | 789605.1 | 759769.4 | 0.0 | S |
| 71.867 | 0.0000 | 0.0000 | 75.865 | 0.60229 | 0.00000 | 789605.1 | 759787.4 | 0.0 | S |
| 71.875 | 0.0000 | 0.0000 | 75.864 | 0.60208 | 0.00000 | 789605.1 | 759805.5 | 0.0 | S |
| 71.883 | 0.0000 | 0.0000 | 75.863 | 0.60188 | 0.00000 | 789605.1 | 759823.6 | 0.0 | S |
| 71.892 | 0.0000 | 0.0000 | 75.862 | 0.60168 | 0.00000 | 789605.1 | 759841.6 | 0.0 | S |
| 71.900 | 0.0000 | 0.0000 | 75.861 | 0.60148 | 0.00000 | 789605.1 | 759859.6 | 0.0 | S |
| 71.908 | 0.0000 | 0.0000 | 75.860 | 0.60128 | 0.00000 | 789605.1 | 759877.7 | 0.0 | S |
| 71.917 | 0.0000 | 0.0000 | 75.859 | 0.60108 | 0.00000 | 789605.1 | 759895.8 | 0.0 | S |
| 71.925 | 0.0000 | 0.0000 | 75.858 | 0.60087 | 0.00000 | 789605.1 | 759913.8 | 0.0 | S |
| 71.933 | 0.0000 | 0.0000 | 75.857 | 0.60067 | 0.00000 | 789605.1 | 759931.8 | 0.0 | S |
| 71.942 | 0.0000 | 0.0000 | 75.856 | 0.60047 | 0.00000 | 789605.1 | 759949.8 | 0.0 | S |
| 71.950 | 0.0000 | 0.0000 | 75.855 | 0.60027 | 0.00000 | 789605.1 | 759967.8 | 0.0 | S |
| 71.958 | 0.0000 | 0.0000 | 75.854 | 0.60007 | 0.00000 | 789605.1 | 759985.8 | 0.0 | S |
| 71.967 | 0.0000 | 0.0000 | 75.854 | 0.59987 | 0.00000 | 789605.1 | 760003.8 | 0.0 | S |
| 71.975 | 0.0000 | 0.0000 | 75.853 | 0.59967 | 0.00000 | 789605.1 | 760021.8 | 0.0 | S |
| 71.983 | 0.0000 | 0.0000 | 75.852 | 0.59947 | 0.00000 | 789605.1 | 760039.8 | 0.0 | S |
| 71.992 | 0.0000 | 0.0000 | 75.851 | 0.59926 | 0.00000 | 789605.1 | 760057.8 | 0.0 | S |
| 72.000 | 0.0000 | 0.0000 | 75.850 | 0.59906 | 0.00000 | 789605.1 | 760075.8 | 0.0 | S |
| 72.008 | 0.0000 | 0.0000 | 75.849 | 0.59886 | 0.00000 | 789605.1 | 760093.8 | 0.0 | S |
| 72.017 | 0.0000 | 0.0000 | 75.848 | 0.59866 | 0.00000 | 789605.1 | 760111.7 | 0.0 | S |
| 72.025 | 0.0000 | 0.0000 | 75.847 | 0.59846 | 0.00000 | 789605.1 | 760129.6 | 0.0 | S |
| 72.033 | 0.0000 | 0.0000 | 75.846 | 0.59826 | 0.00000 | 789605.1 | 760147.6 | 0.0 | S |
| 72.042 | 0.0000 | 0.0000 | 75.845 | 0.59806 | 0.00000 | 789605.1 | 760165.6 | 0.0 | S |
| 72.050 | 0.0000 | 0.0000 | 75.844 | 0.59786 | 0.00000 | 789605.1 | 760183.5 | 0.0 | S |
| 72.058 | 0.0000 | 0.0000 | 75.843 | 0.59766 | 0.00000 | 789605.1 | 760201.4 | 0.0 | S |
| 72.067 | 0.0000 | 0.0000 | 75.842 | 0.59746 | 0.00000 | 789605.1 | 760219.3 | 0.0 | S |
| 72.075 | 0.0000 | 0.0000 | 75.841 | 0.59726 | 0.00000 | 789605.1 | 760237.3 | 0.0 | S |
| 72.083 | 0.0000 | 0.0000 | 75.840 | 0.59706 | 0.00000 | 789605.1 | 760255.2 | 0.0 | S |
| 72.092 | 0.0000 | 0.0000 | 75.839 | 0.59685 | 0.00000 | 789605.1 | 760273.1 | 0.0 | S |
| 72.100 | 0.0000 | 0.0000 | 75.838 | 0.59665 | 0.00000 | 789605.1 | 760291.0 | 0.0 | S |
| 72.108 | 0.0000 | 0.0000 | 75.837 | 0.59645 | 0.00000 | 789605.1 | 760308.9 | 0.0 | S |
| 72.117 | 0.0000 | 0.0000 | 75.837 | 0.59625 | 0.00000 | 789605.1 | 760326.8 | 0.0 | S |
| 72.125 | 0.0000 | 0.0000 | 75.836 | 0.59605 | 0.00000 | 789605.1 | 760344.6 | 0.0 | S |
| 72.133 | 0.0000 | 0.0000 | 75.835 | 0.59585 | 0.00000 | 789605.1 | 760362.5 | 0.0 | S |
| 72.142 | 0.0000 | 0.0000 | 75.834 | 0.59565 | 0.00000 | 789605.1 | 760380.4 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{3} / \mathrm{s}$ ) | Outside Recharge (fu/day) | Stage Elevation ( ft datum) | Infiltration Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative inflow <br> Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 72,150 | 0.0000 | 0.0000 | 75.833 | 0.59545 | 0.00000 | 789605.1 | 760398.3 | 0.0 | S |
| 72.158 | 0.0000 | 0.0000 | 75.832 | 0.59525 | 0.00000 | 789605.1 | 760416.1 | 0.0 | S |
| 72.167 | 0.0000 | 0.0000 | 75.831 | 0.59505 | 0.00000 | 789605.1 | 760434.0 | 0.0 | S |
| 72.175 | 0.0000 | 0.0000 | 75.830 | 0.59485 | 0.00000 | 789605.1 | 760451.8 | 0.0 | S |
| 72.183 | 0.0000 | 0.0000 | 75.829 | 0.59465 | 0.00000 | 789605.1 | 760469.7 | 0.0 | S |
| 72.192 | 0.0000 | 0.0000 | 75.828 | 0.59445 | 0.00000 | 789605.1 | 760487.5 | 0.0 | S |
| 72.200 | 0.0000 | 0.0000 | 75.827 | 0.59425 | 0.00000 | 789605.1 | 760505.3 | 0.0 | S |
| 72.208 | 0.0000 | 0.0000 | 75.826 | 0.59405 | 0.00000 | 789605.1 | 760523.2 | 0.0 | S |
| 72.217 | 0.0000 | 0.0000 | 75.825 | 0.59385 | 0.00000 | $789605 . \ddagger$ | 760541.0 | 0.0 | S |
| 72.225 | 0.0000 | 0.0000 | 75,824 | 0.59365 | 0.00000 | 789605.1 | 760558.8 | 0.0 | S |
| 72.233 | 0.0000 | 0.0000 | 75.823 | 0.59345 | 0.00000 | 789605.1 | 760576.6 | 0.0 | S |
| 72.242 | 0.0000 | 0.0000 | 75.822 | 0.59326 | 0.00000 | 789605.1 | 760594.4 | 0.0 | S |
| 72.250 | 0.0000 | 0.0000 | 75.821 | 0.59306 | 0.00000 | 789605.1 | 760612.2 | 0.0 | S |
| 72.258 | 0.0000 | 0.0000 | 75.820 | 0.59286 | 0.00000 | 789605.1 | 760630.0 | 0.0 | S |
| 72.267 | 0.0000 | 0.0000 | 75.819 | 0.59266 | 0.00000 | 789605.1 | 760647.8 | 0.0 | S |
| 72.275 | 0.0000 | 0.0000 | 75.819 | 0.59246 | 0.00000 | 789605.1 | 760665.6 | 0.0 | S |
| 72.283 | 0.0000 | 0.0000 | 75.818 | 0.59226 | 0.00000 | 789605.1 | 760683.3 | 0.0 | S |
| 72.292 | 0.0000 | 0.0000 | 75.817 | 0.59206 | 0.00000 | 789605.1 | 760701.1 | 0.0 | S |
| 72.300 | 0.0000 | 0.0000 | 75.816 | 0.59186 | 0.00000 | 789605.1 | 760718.8 | 0.0 | S |
| 72.308 | 0.0000 | 0.0000 | 75.815 | 0.59166 | 0.00000 | 789605.1 | 760736.6 | 0.0 | S |
| 72.317 | 0.0000 | 0.0000 | 75.814 | 0.59146 | 0.00000 | 789605.1 | 760754.3 | 0.0 | S |
| 72.325 | 0.0000 | 0.0000 | 75.813 | 0.59126 | 0.00000 | 789605.1 | 760772.1 | 0.0 | S |
| 72.333 | 0.0000 | 0.0000 | 75.812 | 0.59106 | 0.00000 | 789605.1 | 760789.8 | 0.0 | S |
| 72.342 | 0.0000 | 0.0000 | 75.811 | 0.59086 | 0.00000 | 789605.1 | 760807.6 | 0.0 | S |
| 72.350 | 0.0000 | 0.0000 | 75.810 | 0.59067 | 0.00000 | 789605.1 | 760825.3 | 0.0 | S |
| 72.358 | 0.0000 | 0.0000 | 75.809 | 0.59047 | 0.00000 | 789605.1 | 760843.0 | 0.0 | S |
| 72.367 | 0.0000 | 0.0000 | 75.808 | 0.59027 | 0.00000 | 789605.1 | 760860.7 | 0.0 | S |
| 72.375 | 0.0000 | 0.0000 | 75.807 | 0.59007 | 0.00000 | 789605.1 | 760878.4 | 0.0 | S |
| 72.383 | 0.0000 | 0.0000 | 75.806 | 0.58987 | 0.00000 | 789605.1 | 760896.1 | 0.0 | S |
| 72.392 | 0.0000 | 0.0000 | 75.805 | 0.58967 | 0.00000 | 789605.1 | 760913.8 | 0.0 | S |
| 72.400 | 0.0000 | 0.0000 | 75.804 | 0.58947 | 0.00000 | 789605.1 | 760931.5 | 0.0 | S |
| 72.408 | 0.0000 | 0.0000 | 75.803 | 0.58927 | 0.00000 | 789605.1 | 760949.2 | 0.0 | S |
| 72.417 | 0.0000 | 0.0000 | 75.802 | 0.58908 | 0.00000 | 789605.1 | 760966.8 | 0.0 | S |
| 72.425 | 0.0000 | 0.0000 | 75.801 | 0.58888 | 0.00000 | 789605.1 | 760984.5 | 0.0 | S |
| 72.433 | 0.0000 | 0.0000 | 75.801 | 0.58868 | 0.00000 | 789605.1 | 761002.2 | 0.0 | S |
| 72.442 | 0.0000 | 0.0000 | 75.800 | 0.58848 | 0.00000 | 789605.1 | 761019.8 | 0.0 | S |
| 72.450 | 0.0000 | 0.0000 | 75.799 | 0.58828 | 0.00000 | 789605.1 | 761037.5 | 0.0 | S |
| 72.458 | 0.0000 | 0.0000 | 75.798 | 0.58808 | 0.00000 | 789605.1 | 761055.1 | 0.0 | S |
| 72.467 | 0.0000 | 0.0000 | 75.797 | 0.58789 | 0.00000 | 789605.1 | 761072.8 | 0.0 | S |
| 72.475 | 0.0000 | 0.0000 | 75.796 | 0.58769 | 0.00000 | 789605.1 | 761090.4 | 0.0 | S |
| 72.483 | 0.0000 | 0.0000 | 75.795 | 0.58749 | 0.00000 | 789605.1 | 761108.0 | 0.0 | S |
| 72.492 | 0.0000 | 0.0000 | 75.794 | 0.58729 | 0.00000 | 789605.1 | 761125.6 | 0.0 | S |
| 72.500 | 0.0000 | 0.0000 | 75.793 | 0.58709 | 0.00000 | 789605.1 | 761143.3 | 0.0 | S |
| 72.508 | 0.0000 | 0.0000 | 75.792 | 0.58690 | 0.00000 | 789605.1 | 761160.9 | 0.0 | S |
| 72.517 | 0.0000 | 0.0000 | 75.791 | 0.58670 | 0.00000 | 789605.1 | 761178.5 | 0.0 | S |
| 72.525 | 0.0000 | 0.0000 | 75.790 | 0.58650 | 0.00000 | 789605.1 | 761196.1 | 0.0 | S |
| 72.533 | 0.0000 | 0.0000 | 75.789 | 0.58630 | 0.00000 | 789605.1 | 761273.7 | 0.0 | S |
| 72.542 | 0.0000 | 0.0000 | 75.788 | 0.58610 | 0.00000 | 789605.1 | 761231.3 | 0.0 | S |
| 72.550 | 0.0000 | 0.0000 | 75.787 | 0.58591 | 0.00000 | 789605.1 | 761248.8 | 0.0 | S |
| 72.558 | 0.0000 | 0.0000 | 75.786 | 0.58571 | 0.00000 | 789605.1 | 761266.4 | 0.0 | S |
| 72.567 | 0.0000 | 0.0000 | 75.785 | 0.58551 | 0.00000 | 789605.1 | 761284.0 | 0.0 | S |
| 72.575 | 0.0000 | 0.0000 | 75.784 | 0.58531 | 0.00000 | 789605.1 | 761301.6 | 0.0 | S |
| 72.583 | 0.0000 | 0.0000 | 75.783 | 0.58512 | 0.00000 | 789605.1 | 761319.1 | 0.0 | S |
| 72.592 | 0.0000 | 0.0000 | 75.783 | 0.58492 | 0.00000 | 789605.1 | 761336.6 | 0.0 | S |
| 72.600 | 0.0000 | 0.0000 | 75.782 | 0.58472 | 0.00000 | 789605.1 | 761354.2 | 0.0 | S |
| 72.608 | 0.0000 | 0.0000 | 75.781 | 0.58452 | 0.00000 | 789605.1 | 761371.8 | 0.0 | S |
| 72.617 | 0.0000 | 0.0000 | 75.780 | 0.58433 | 0.00000 | 789605.1 | 761389.3 | 0.0 | S |
| 72.625 | 0.0000 | 0.0000 | 75.779 | 0.58413 | 0.00000 | 789605.1 | 761406.8 | 0.0 | S |
| 72.633 | 0.0000 | 0.0000 | 75.778 | 0.58393 | 0.00000 | 789605.1 | 761424.3 | 0.0 | S |
| 72.642 | 0.0000 | 0.0000 | 75.777 | 0.58373 | 0.00000 | 789605.1 | 761441.8 | 0.0 | S |
| 72.650 | 0.0000 | 0.0000 | 75.776 | 0.58354 | 0.00000 | 789605.1 | 761459.3 | 0.0 | S |
| 72.658 | 0.0000 | 0.0000 | 75.775 | 0.58334 | 0.00000 | 789605.1 | 761476.8 | 0.0 | S |
| 72.667 | 0.0000 | 0.0000 | 75.774 | 0.58314 | 0.00000 | 789605.1 | 761494.3 | 0.0 | S |
| 72.675 | 0.0000 | 0.0000 | 75.773 | 0.58295 | 0.00000 | 789605.1 | 761511.8 | 0.0 | S |
| 72.683 | 0.0000 | 0.0000 | 75.772 | 0.58275 | 0.00000 | 789605.1 | 761529.3 | 0.0 | S |
| 72.692 | 0.0000 | 0.0000 | 75.771 | 0.58255 | 0.00000 | 789605.1 | 761546.8 | 0.0 | S |
| 72.700 | 0.0000 | 0.0000 | 75.770 | 0.58236 | 0.00000 | 789605.1 | 761564.3 | 0.0 | S |
| 72.708 | 0.0000 | 0.0000 | 75.769 | 0.58216 | 0.00000 | 789605.1 | 761581.8 | 0.0 | S |
| 72.717 | 0.0000 | 0.0000 | 75.768 | 0.58196 | 0.00000 | 789605.1 | 761599.2 | 0.0 | S |
| 72.725 | 0.0000 | 0.0000 | 75.767 | 0.58176 | 0.00000 | 789605.1 | 761616.6 | 0.0 | S |
| 72.733 | 0.0000 | 0.0000 | 75.766 | 0.58157 | 0.00000 | 789605.1 | 761634.1 | 0.0 | S |
| 72.742 | 0.0000 | 0.0000 | 75.766 | 0.58137 | 0.00000 | 789605.1 | 761651.6 | 0.0 | S |
| 72.750 | 0.0000 | 0.0000 | 75.765 | 0.58117 | 0.00000 | 789605.1 | 761669.0 | 0.0 | S |
| 72.758 | 0.0000 | 0.0000 | 75.764 | 0.58098 | 0.00000 | 789605.1 | 761686.4 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 5100 yr/24 hr

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | $\begin{aligned} & \text { Cumulative } \\ & \text { Inflow } \\ & \text { Volume }\left(\mathrm{ft}^{3}\right) \end{aligned}$ | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 72.767 | 0.0000 | 0.0000 | 75.763 | 0.58078 | 0.00000 | 789605.1 | 761703.8 | 0.0 | S |
| 72.775 | 0.0000 | 0.0000 | 75.762 | 0.58059 | 0.00000 | 789605.1 | 761721.3 | 0.0 | S |
| 72.783 | 0.0000 | 0.0000 | 75.761 | 0.58039 | 0.00000 | 789605.1 | 761738.7 | 0.0 | S |
| 72.792 | 0.0000 | 0.0000 | 75.760 | 0.58019 | 0.00000 | 789605.1 | 761756.1 | 0.0 | S |
| 72.800 | 0.0000 | 0.0000 | 75.759 | 0.58000 | 0.00000 | 789605.1 | 761773.5 | 0.0 | S |
| 72.808 | 0.0000 | 0.0000 | 75.758 | 0.57980 | 0.00000 | 789605.1 | 761790.9 | 0.0 | S |
| 72.817 | 0.0000 | 0.0000 | 75.757 | 0.57960 | 0.00000 | 789605.1 | 761808.3 | 0.0 | S |
| 72.825 | 0.0000 | 0.0000 | 75.756 | 0.57941 | 0.00000 | 789605.1 | 761825.7 | 0.0 | S |
| 72.833 | 0.0000 | 0.0000 | 75.755 | 0.57921 | 0.00000 | 789605.1 | 761843.1 | 0.0 | S |
| 72.842 | 0.0000 | 0.0000 | 75.754 | 0.57901 | 0.00000 | 789605.1 | 761860.4 | 0.0 | S |
| 72.850 | 0.0000 | 0.0000 | 75.753 | 0.57882 | 0.00000 | 789605.1 | 761877.8 | 0.0 | S |
| 72.858 | 0.0000 | 0.0000 | 75.752 | 0.57862 | 0.00000 | 789605.1 | 761895.1 | 0.0 | S |
| 72.867 | 0.0000 | 0.0000 | 75.751 | 0.57843 | 0.00000 | 789605.1 | 761912.5 | 0.0 | S |
| 72.875 | 0.0000 | 0.0000 | 75.750 | 0.57823 | 0.00000 | 789605.1 | 761929.9 | 0.0 | S |
| 72.883 | 0.0000 | 0.0000 | 75.749 | 0.57803 | 0.00000 | 789605.1 | 761947.2 | 0.0 | S |
| 72.892 | 0.0000 | 0.0000 | 75.748 | 0.57784 | 0.00000 | 789605.1 | 761964.5 | 0.0 | S |
| 72.900 | 0.0000 | 0.0000 | 75.748 | 0.57764 | 0.00000 | 789605.1 | 761981.9 | 0.0 | S |
| 72.908 | 0.0000 | 0.0000 | 75.747 | 0.57745 | 0.00000 | 789605.1 | 761999.2 | 0.0 | S |
| 72.917 | 0.0000 | 0.0000 | 75.746 | 0.57725 | 0.00000 | 789605.1 | 762016.5 | 0.0 | S |
| 72.925 | 0.0000 | 0.0000 | 75.745 | 0.57706 | 0.00000 | 789605.1 | 762033.8 | 0.0 | S |
| 72.933 | 0.0000 | 0.0000 | 75.744 | 0.57686 | 0.00000 | 789605.1 | 762051.1 | 0.0 | S |
| 72.942 | 0.0000 | 0.0000 | 75.743 | 0.57666 | 0.00000 | 789605.1 | 762068.4 | 0.0 | S |
| 72.950 | 0.0000 | 0.0000 | 75.742 | 0.57647 | 0.00000 | 789605.1 | 762085.8 | 0.0 | S |
| 72.958 | 0.0000 | 0.0000 | 75.741 | 0.57627 | 0.00000 | 789605.1 | 762103.0 | 0.0 | S |
| 72.967 | 0.0000 | 0.0000 | 75.740 | 0.57608 | 0.00000 | 789605.1 | 762120.3 | 0.0 | S |
| 72.975 | 0.0000 | 0.0000 | 75.739 | 0.57588 | 0.00000 | 789605.4 | 762137.6 | 0.0 | S |
| 72.983 | 0.0000 | 0.0000 | 75.738 | 0.57569 | 0.00000 | 789605.1 | 762154.9 | 0.0 | S |
| 72.992 | 0.0000 | 0.0000 | 75.737 | 0.57549 | 0.00000 | 789605.1 | 762172.1 | 0.0 | S |
| 73.000 | 0.0000 | 0.0000 | 75.736 | 0.57530 | 0.00000 | 789605.1 | 762189.4 | 0.0 | S |
| 73.008 | 0.0000 | 0.0000 | 75.735 | 0.57510 | 0.00000 | 789605.1 | 762206.6 | 0.0 | S |
| 73.017 | 0.0000 | 0.0000 | 75.734 | 0.57491 | 0.00000 | 789605.1 | 762223.9 | 0.0 | S |
| 73.025 | 0.0000 | 0.0000 | 75.733 | 0.57471 | 0.00000 | 789605.1 | 762241.1 | 0.0 | S |
| 73.033 | 0.0000 | 0.0000 | 75.732 | 0.57452 | 0.00000 | 789605.1 | 762258.4 | 0.0 | S |
| 73.042 | 0.0000 | 0.0000 | 75.731 | 0.57432 | 0.00000 | 789605.1 | 762275.6 | 0.0 | S |
| 73.050 | 0.0000 | 0.0000 | 75.730 | 0.57412 | 0.00000 | 789605.1 | 762292.8 | 0.0 | S |
| 73.058 | 0.0000 | 0.0000 | 75.730 | 0.57393 | 0.00000 | 789605.1 | 762310.1 | 0.0 | S |
| 73.067 | 0.0000 | 0.0000 | 75.729 | 0.57373 | 0.00000 | 789605.1 | 762327.3 | 0.0 | S |
| 73.075 | 0.0000 | 0.0000 | 75.728 | 0.57354 | 0.00000 | 789605.1 | 762344.5 | 0.0 | S |
| 73.083 | 0.0000 | 0.0000 | 75.727 | 0.57335 | 0.00000 | 789605.1 | 762361.7 | 0.0 | S |
| 73.092 | 0.0000 | 0.0000 | 75.726 | 0.57315 | 0.00000 | 789605.1 | 762378.9 | 0.0 | S |
| 73.100 | 0.0000 | 0.0000 | 75.725 | 0.57296 | 0.00000 | 789605.1 | 762396.1 | 0.0 | S |
| 73.108 | 0.0000 | 0.0000 | 75.724 | 0.57276 | 0.00000 | 789605.1 | 762413.3 | 0.0 | S |
| 73.117 | 0.0000 | 0.0000 | 75.723 | 0.57257 | 0.00000 | 789605.1 | 762430.4 | 0.0 | S |
| 73.125 | 0.0000 | 0.0000 | 75.722 | 0.57237 | 0.00000 | 789605.1 | 762447.6 | 0.0 | S |
| 73.133 | 0.0000 | 0.0000 | 75.721 | 0.57218 | 0.00000 | 789605.1 | 762464.8 | 0.0 | S |
| 73.142 | 0.0000 | 0.0000 | 75.720 | 0.57198 | 0.00000 | 789605.1 | 762481.9 | 0.0 | S |
| 73.150 | 0.0000 | 0.0000 | 75.719 | 0.57179 | 0.00000 | 789605.1 | 762499.1 | 0.0 | S |
| 73.158 | 0.0000 | 0.0000 | 75.718 | 0.57159 | 0.00000 | 789605.1 | 762516.3 | 0.0 | S |
| 73.167 | 0.0000 | 0.0000 | 75.717 | 0.57140 | 0.00000 | 789605.1 | 762533.4 | 0.0 | S |
| 73.175 | 0.0000 | 0.0000 | 75.716 | 0.57120 | 0.00000 | 789605.1 | 762550.6 | 0.0 | S |
| 73.183 | 0.0000 | 0.0000 | 75.715 | 0.57101 | 0.00000 | 789605.1 | 762567.7 | 0.0 | S |
| 73.192 | 0.0000 | 0.0000 | 75.714 | 0.57082 | 0.00000 | 789605.1 | 762584.8 | 0.0 | S |
| 73.200 | 0.0000 | 0.0000 | 75.713 | 0.57062 | 0.00000 | 789605.1 | 762601.9 | 0.0 | S |
| 73.208 | 0.0000 | 0.0000 | 75.712 | 0.57043 | 0.00000 | 789605.1 | 762619.1 | 0.0 | S |
| 73.217 | 0.0000 | 0.0000 | 75.712 | 0.57023 | 0.00000 | 789605.1 | 762636.1 | 0.0 | S |
| 73.225 | 0.0000 | 0.0000 | 75.711 | 0.57004 | 0.00000 | 789605.1 | 762653.3 | 0.0 | S |
| 73.233 | 0.0000 | 0.0000 | 75.710 | 0.56984 | 0.00000 | 789605.1 | 762670.4 | 0.0 | S |
| 73.242 | 0.0000 | 0.0000 | 75.709 | 0.56965 | 0.00000 | 789605.1 | 762687.4 | 0.0 | S |
| 73.250 | 0.0000 | 0.0000 | 75.708 | 0.56946 | 0.00000 | 789605.1 | 762704.5 | 0.0 | S |
| 73.258 | 0.0000 | 0.0000 | 75.707 | 0.56926 | 0.00000 | 789605.1 | 762721.6 | 0.0 | S |
| 73.267 | 0.0000 | 0.0000 | 75.706 | 0.56907 | 0.00000 | 789605.1 | 762738.7 | 0.0 | S |
| 73.275 | 0.0000 | 0.0000 | 75.705 | 0.56887 | 0.00000 | 789605.1 | 762755.8 | 0.0 | S |
| 73.283 | 0.0000 | 0.0000 | 75.704 | 0.56868 | 0.00000 | 789605.1 | 762772.8 | 0.0 | S |
| 73.292 | 0.0000 | 0.0000 | 75.703 | 0.56849 | 0.00000 | 789605.1 | 762789.9 | 0.0 | S |
| 73.300 | 0.0000 | 0.0000 | 75.702 | 0.56829 | 0.00000 | 789605.1 | 762806.9 | 0.0 | S |
| 73.308 | 0.0000 | 0.0000 | 75.701 | 0.56810 | 0.00000 | 789605.1 | 762824.0 | 0.0 | S |
| 73.317 | 0.0000 | 0.0000 | 75.700 | 0.56790 | 0.00000 | 789605.1 | 762841.0 | 0.0 | S |
| 73.325 | 0.0000 | 0.0000 | 75.699 | 0.56771 | 0.00000 | 789605.1 | 762858.1 | 0.0 | S |
| 73.333 | 0.0000 | 0.0000 | 75.698 | 0.56752 | 0.00000 | 789605.1 | 762875.1 | 0.0 | S |
| 73.342 | 0.0000 | 0.0000 | 75.697 | 0.56732 | 0.00000 | 789605.1 | 762892.1 | 0.0 | S |
| 73.350 | 0.0000 | 0.0000 | 75.696 | 0.56713 | 0.00000 | 789605.1 | 762909.1 | 0.0 | S |
| 73.358 | 0.0000 | 0.0000 | 75.695 | 0.56694 | 0.00000 | 789605.1 | 762926.1 | 0.0 | S |
| 73.367 | 0.0000 | 0.0000 | 75.695 | 0.56674 | 0.00000 | 789605.1 | 762943.1 | 0.0 | S |
| 73.375 | 0.0000 | 0.0000 | 75.694 | 0.56655 | 0.00000 | 789605.1 | 762960.1 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{fl}^{3 / 5}$ ) | Outside <br> Recharge (f/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overfiow Discharge ( $\mathrm{fl}^{3 / \mathrm{s}}$ ) | Cumulative Inflow <br> Volume ( fl $^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{t}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 73.383 | 0.0000 | 0.0000 | 75.693 | 0.56636 | 0.00000 | 789605.1 | 762977.1 | 0.0 | S |
| 73.392 | 0.0000 | 0.0000 | 75.692 | 0.56616 | 0.00000 | 789605.1 | 762994.1 | 0.0 | S |
| 73.400 | 0.0000 | 0.0000 | 75.691 | 0.56597 | 0.00000 | 789605.1 | 763011.1 | 0.0 | S |
| 73.408 | 0.0000 | 0.0000 | 75.690 | 0.56578 | 0.00000 | 789605.1 | 763028.1 | 0.0 | S |
| 73.417 | 0.0000 | 0.0000 | 75.689 | 0.56558 | 0.00000 | 789605.1 | 763045.1 | 0.0 | S |
| 73.425 | 0.0000 | 0.0000 | 75.688 | 0.56539 | 0.00000 | 789605.1 | 763062.0 | 0.0 | S |
| 73.433 | 0.0000 | 0.0000 | 75.687 | 0.56520 | 0.00000 | 789605.1 | 763078.9 | 0.0 | S |
| 73.442 | 0.0000 | 0.0000 | 75.686 | 0.56500 | 0.00000 | 789605.1 | 763095.9 | 0.0 | S |
| 73.450 | 0.0000 | 0.0000 | 75.685 | 0.56481 | 0.00000 | 789605.1 | 763112.9 | 0.0 | S |
| 73.458 | 0.0000 | 0.0000 | 75.684 | 0.56462 | 0.00000 | 789605.1 | 763129.8 | 0.0 | S |
| 73.467 | 0.0000 | 0.0000 | 75.683 | 0.56442 | 0.00000 | 789605.1 | 763146.8 | 0.0 | S |
| 73.475 | 0.0000 | 0.0000 | 75.682 | 0.56423 | 0.00000 | 789605.1 | 763163.7 | 0.0 | S |
| 73.483 | 0.0000 | 0.0000 | 75.681 | 0.56404 | 0.00000 | 789605.1 | 763180.6 | 0.0 | S |
| 73.492 | 0.0000 | 0.0000 | 75.680 | 0.56385 | 0.00000 | 789605.1 | 763197.5 | 0.0 | S |
| 73.500 | 0.0000 | 0.0000 | 75.679 | 0.56365 | 0.00000 | 789605.1 | 763214.4 | 0.0 | S |
| 73.508 | 0.0000 | 0.0000 | 75.678 | 0.56346 | 0.00000 | 789605.1 | 763231.3 | 0.0 | S |
| 73.517 | 0.0000 | 0.0000 | 75.677 | 0.56327 | 0.00000 | 789605.1 | 763248.3 | 0.0 | S |
| 73.525 | 0.0000 | 0.0000 | 75.677 | 0.56307 | 0.00000 | 789605.1 | 763265.1 | 0.0 | S |
| 73.533 | 0.0000 | 0.0000 | 75.676 | 0.56288 | 0.00000 | 789605.1 | 763282.0 | 0.0 | S |
| 73.542 | 0.0000 | 0.0000 | 75.675 | 0.56269 | 0.00000 | 789605.1 | 763298.9 | 0.0 | S |
| 73.550 | 0.0000 | 0.0000 | 75.674 | 0.56250 | 0.00000 | 789605.1 | 763315.8 | 0.0 | S |
| 73.558 | 0.0000 | 0.0000 | 75.673 | 0.56230 | 0.00000 | 789605.1 | 763332.6 | 0.0 | S |
| 73.567 | 0.0000 | 0.0000 | 75.672 | 0.56211 | 0.00000 | 789605.1 | 763349.5 | 0.0 | S |
| 73,575 | 0.0000 | 0.0000 | 75.671 | 0.56192 | 0.00000 | 789605.1 | 763366.4 | 0.0 | S |
| 73.583 | 0.0000 | 0.0000 | 75,670 | 0.56173 | 0.00000 | 789605.1 | 763383.3 | 0.0 | S |
| 73.592 | 0.0000 | 0.0000 | 75.669 | 0.56153 | 0.00000 | 789605.1 | 763400.1 | 0.0 | S |
| 73.600 | 0.0000 | 0.0000 | 75.668 | 0.56134 | 0.00000 | 789605.1 | 763416.9 | 0.0 | S |
| 73.608 | 0.0000 | 0.0000 | 75.667 | 0.56115 | 0.00000 | 789605.1 | 763433.8 | 0.0 | S |
| 73.617 | 0.0000 | 0.0000 | 75.666 | 0.56096 | 0.00000 | 789605.1 | 763450.6 | 0.0 | S |
| 73.625 | 0.0000 | 0.0000 | 75.665 | 0.56076 | 0.00000 | 789605.1 | 763467.4 | 0.0 | S |
| 73.633 | 0.0000 | 0.0000 | 75.664 | 0.56057 | 0.00000 | 789605.1 | 763484.3 | 0.0 | S |
| 73.642 | 0.0000 | 0.0000 | 75.663 | 0.56038 | 0.00000 | 789605.1 | 763501.1 | 0.0 | S |
| 73.650 | 0.0000 | 0.0000 | 75.662 | 0.56019 | 0.00000 | 789605.1 | 763517.9 | 0.0 | S |
| 73.658 | 0.0000 | 0.0000 | 75.661 | 0.56000 | 0.00000 | 789605.1 | 763534.7 | 0.0 | S |
| 73.667 | 0.0000 | 0.0000 | 75.660 | 0.55980 | 0.00000 | 789605.1 | 763551.4 | 0.0 | S |
| 73.675 | 0.0000 | 0.0000 | 75.659 | 0.55961 | 0.00000 | 789605.1 | 763568.3 | 0.0 | S |
| 73.683 | 0.0000 | 0.0000 | 75.659 | 0.55942 | 0.00000 | 789605.1 | 763585.1 | 0.0 | S |
| 73.692 | 0.0000 | 0.0000 | 75.658 | 0.55923 | 0.00000 | 789605.1 | 763601.8 | 0.0 | S |
| 73.700 | 0.0000 | 0.0000 | 75.657 | 0.55904 | 0.00000 | 789605.1 | 763618.6 | 0.0 | S |
| 73.708 | 0.0000 | 0.0000 | 75.656 | 0.55884 | 0.00000 | 789605.1 | 763635.4 | 0.0 | S |
| 73.717 | 0.0000 | 0.0000 | 75.655 | 0.55865 | 0.00000 | 789605.1 | 763652.1 | 0.0 | S |
| 73.725 | 0.0000 | 0.0000 | 75.654 | 0.55846 | 0.00000 | 789605.1 | 763668.9 | 0.0 | S |
| 73.733 | 0.0000 | 0.0000 | 75.653 | 0.55827 | 0.00000 | 789605.1 | 763685.6 | 0.0 | S |
| 73.742 | 0.0000 | 0.0000 | 75.652 | 0.55808 | 0.00000 | 789605.1 | 763702.4 | 0.0 | S |
| 73.750 | 0.0000 | 0.0000 | 75.651 | 0.55788 | 0.00000 | 789605.1 | 763719.1 | 0.0 | S |
| 73.758 | 0.0000 | 0.0000 | 75.650 | 0.55769 | 0.00000 | 789605.1 | 763735.9 | 0.0 | S |
| 73.767 | 0.0000 | 0.0000 | 75.649 | 0.55750 | 0.00000 | 789605.1 | 763752.6 | 0.0 | S |
| 73.775 | 0.0000 | 0.0000 | 75.648 | 0.55731 | 0.00000 | 789605.1 | 763769.3 | 0.0 | S |
| 73.783 | 0.0000 | 0.0000 | 75.647 | 0.55712 | 0.00000 | 789605.1 | 763786.0 | 0.0 | S |
| 73.792 | 0.0000 | 0.0000 | 75.646 | 0.55693 | 0.00000 | 789605.1 | 763802.8 | 0.0 | S |
| 73.800 | 0.0000 | 0.0000 | 75.645 | 0.55673 | 0.00000 | 789605.1 | 763819.4 | 0.0 | S |
| 73.808 | 0.0000 | 0.0000 | 75.644 | 0.55654 | 0.00000 | 789605.1 | 763836.1 | 0.0 | S |
| 73.817 | 0.0000 | 0.0000 | 75.643 | 0.55635 | 0.00000 | 789605.1 | 763852.8 | 0.0 | S |
| 73.825 | 0.0000 | 0.0000 | 75,642 | 0.55616 | 0.00000 | 789605.1 | 763869.5 | 0.0 | S |
| 73.833 | 0.0000 | 0.0000 | 75.641 | 0.55597 | 0.00000 | 789605.1 | 763886.2 | 0.0 | S |
| 73.842 | 0.0000 | 0.0000 | 75.641 | 0.55578 | 0.00000 | 789605.1 | 763902.9 | 0.0 | S |
| 73.850 | 0.0000 | 0.0000 | 75.640 | 0.55559 | 0.00000 | 789605.1 | 763919.6 | 0.0 | S |
| 73.858 | 0.0000 | 0.0000 | 75.639 | 0.55540 | 0.00000 | 789605.1 | 763936.2 | 0.0 | S |
| 73.867 | 0.0000 | 0.0000 | 75.638 | 0.55520 | 0.00000 | 789605.1 | 763952.9 | 0.0 | S |
| 73.875 | 0.0000 | 0.0000 | 75.637 | 0.55501 | 0.00000 | 789605.1 | 763969.5 | 0.0 | S |
| 73.883 | 0.0000 | 0.0000 | 75.636 | 0.55482 | 0.00000 | 789605.1 | 763986.2 | 0.0 | S |
| 73.892 | 0.0000 | 0.0000 | 75.635 | 0.55463 | 0.00000 | 789605.1 | 764002.8 | 0.0 | S |
| 73.900 | 0.0000 | 0.0000 | 75.634 | 0.55444 | 0.00000 | 789605.1 | 764019.4 | 0.0 | S |
| 73.908 | 0.0000 | 0.0000 | 75.633 | 0.55425 | 0.00000 | 789605.1 | 764036.1 | 0.0 | S |
| 73.917 | 0.0000 | 0.0000 | 75.632 | 0.55406 | 0.00000 | 789605.1 | 764052.7 | 0.0 | S |
| 73.925 | 0.0000 | 0.0000 | 75.631 | 0.55387 | 0.00000 | 789605.1 | 764069.3 | 0.0 | S |
| 73.933 | 0.0000 | 0.0000 | 75.630 | 0.55368 | 0.00000 | 789605.1 | 764085.9 | 0.0 | S |
| 73.942 | 0.0000 | 0.0000 | 75.629 | 0.55349 | 0.00000 | 789605.1 | 764102.6 | 0.0 | S |
| 73.950 | 0.0000 | 0.0000 | 75.628 | 0.55329 | 0.00000 | 789605.1 | 764119.1 | 0.0 | S |
| 73.958 | 0.0000 | 0.0000 | 75.627 | 0.55310 | 0.00000 | 789605.1 | 764135.8 | 0.0 | S |
| 73.967 | 0.0000 | 0.0000 | 75.626 | 0.55291 | 0.00000 | 789605.1 | 764152.3 | 0.0 | S |
| 73.975 | 0.0000 | 0.0000 | 75.625 | 0.55272 | 0.00000 | 789605.1 | 764168.9 | 0.0 | S |
| 73.983 | 0.0000 | 0.0000 | 75.624 | 0.55253 | 0.00000 | 789605.1 | 764185.5 | 0.0 | S |
| 73.992 | 0.0000 | 0.0000 | 75.623 | 0.55234 | 0.00000 | 789605.1 | 764202.1 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overlow Discharge ( $\mathrm{f}{ }^{3} / \mathrm{s}$ ) | $\begin{aligned} & \text { Cumulative } \\ & \text { Inflow } \\ & \text { volume }\left(\mathrm{ft}^{3}\right) \end{aligned}$ | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 74.000 | 0.0000 | 0.0000 | 75.623 | 0.55215 | 0.00000 | 789605.1 | 764218.6 | 0.0 | S |
| 74.008 | 0.0000 | 0.0000 | 75.622 | 0.55196 | 0.00000 | 789605.1 | 764235.2 | 0.0 | S |
| 74.017 | 0.0000 | 0.0000 | 75.621 | 0.55177 | 0.00000 | 789605.1 | 764251.8 | 0.0 | S |
| 74.025 | 0.0000 | 0.0000 | 75.620 | 0.55158 | 0.00000 | 789605.1 | 764268.3 | 0.0 | S |
| 74.033 | 0.0000 | 0.0000 | 75.619 | 0.55139 | 0.00000 | 789605.1 | 764284.8 | 0.0 | S |
| 74.042 | 0.0000 | 0.0000 | 75.618 | 0.55120 | 0.00000 | 789605.1 | 764301.4 | 0.0 | S |
| 74.050 | 0.0000 | 0.0000 | 75.617 | 0.55101 | 0.00000 | 789605.1 | 764317.9 | 0.0 | S |
| 74.058 | 0.0000 | 0.0000 | 75.616 | 0.55082 | 0.00000 | 789605.1 | 764334.4 | 0.0 | S |
| 74.067 | 0.0000 | 0.0000 | 75.615 | 0.55063 | 0.00000 | 789605.1 | 764350.9 | 0.0 | S |
| 74.075 | 0.0000 | 0.0000 | 75.614 | 0.55044 | 0.00000 | 789605.1 | 764367.5 | 0.0 | S |
| 74.083 | 0.0000 | 0.0000 | 75.613 | 0.55025 | 0.00000 | 789605.1 | 764384.0 | 0.0 | S |
| 74.092 | 0.0000 | 0.0000 | 75.612 | 0.55006 | 0.00000 | 789605.1 | 764400.5 | 0.0 | S |
| 74.100 | 0.0000 | 0.0000 | 75.611 | 0.54987 | 0.00000 | 789605.1 | 764417.0 | 0.0 | S |
| 74.108 | 0.0000 | 0.0000 | 75.610 | 0.54968 | 0.00000 | 789605.1 | 764433.5 | 0.0 | S |
| 74.117 | 0.0000 | 0.0000 | 75.609 | 0.54948 | 0.00000 | 789605.1 | 764449.9 | 0.0 | S |
| 74.125 | 0.0000 | 0.0000 | 75.608 | 0.54929 | 0.00000 | 789605.1 | 764466.4 | 0.0 | S |
| 74.133 | 0.0000 | 0.0000 | 75.607 | 0.54910 | 0.00000 | 789605.1 | 764482.9 | 0.0 | S |
| 74.142 | 0.0000 | 0.0000 | 75.606 | 0.54891 | 0.00000 | 789605.1 | 764499.4 | 0.0 | S |
| 74.150 | 0.0000 | 0.0000 | 75.605 | 0.54872 | 0.00000 | 789605.1 | 764515.9 | 0.0 | S |
| 74.158 | 0.0000 | 0.0000 | 75.605 | 0.54853 | 0.00000 | 789605.1 | 764532.3 | 0.0 | S |
| 74.167 | 0.0000 | 0.0000 | 75.604 | 0.54834 | 0.00000 | 789605.1 | 764548.8 | 0.0 | S |
| 74.175 | 0.0000 | 0.0000 | 75.603 | 0.54816 | 0.00000 | 789605.1 | 764565.3 | 0.0 | S |
| 74.183 | 0.0000 | 0.0000 | 75.602 | 0.54797 | 0.00000 | 789605.1 | 764581.7 | 0.0 | S |
| 74.192 | 0.0000 | 0.0000 | 75.601 | 0.54778 | 0.00000 | 789605.1 | 764598.1 | 0.0 | S |
| 74.200 | 0.0000 | 0.0000 | 75.600 | 0.54759 | 0.00000 | 789605.1 | 764614.5 | 0.0 | S |
| 74.208 | 0.0000 | 0.0000 | 75.599 | 0.54740 | 0.00000 | 789605.1 | 764630.9 | 0.0 | S |
| 74.217 | 0.0000 | 0.0000 | 75.598 | 0.54721 | 0.00000 | 789605.1 | 764647.4 | 0.0 | S |
| 74.225 | 0.0000 | 0.0000 | 75.597 | 0.54702 | 0.00000 | 789605.1 | 764663.8 | 0.0 | S |
| 74.233 | 0.0000 | 0.0000 | 75.596 | 0.54683 | 0.00000 | 789605.1 | 764680.2 | 0.0 | S |
| 74.242 | 0.0000 | 0.0000 | 75.595 | 0.54664 | 0.00000 | 789605.1 | 764696.6 | 0.0 | S |
| 74.250 | 0.0000 | 0.0000 | 75.594 | 0.54645 | 0.00000 | 789605.1 | 764713.0 | 0.0 | S |
| 74.258 | 0.0000 | 0.0000 | 75.593 | 0.54626 | 0.00000 | 789605.1 | 764729.4 | 0.0 | S |
| 74.267 | 0.0000 | 0.0000 | 75.592 | 0.54607 | 0.00000 | 789605.1 | 764745.8 | 0.0 | S |
| 74.275 | 0.0000 | 0.0000 | 75.591 | 0.54588 | 0.00000 | 789605.1 | 764762.1 | 0.0 | S |
| 74.283 | 0.0000 | 0.0000 | 75.590 | 0.54569 | 0.00000 | 789605.1 | 764778.5 | 0.0 | S |
| 74.292 | 0.0000 | 0.0000 | 75.589 | 0.54550 | 0.00000 | 789605.1 | 764794.9 | 0.0 | S |
| 74.300 | 0.0000 | 0.0000 | 75.588 | 0.54531 | 0.00000 | 789605.1 | 764811.3 | 0.0 | S |
| 74.308 | 0.0000 | 0.0000 | 75.587 | 0.54512 | 0.00000 | 789605.1 | 764827.6 | 0.0 | S |
| 74.317 | 0.0000 | 0.0000 | 75.587 | 0.54493 | 0.00000 | 789605.1 | 764843.9 | 0.0 | S |
| 74.325 | 0.0000 | 0.0000 | 75.586 | 0.54474 | 0.00000 | 789605.1 | 764860.3 | 0.0 | S |
| 74.333 | 0.0000 | 0.0000 | 75.585 | 0.54455 | 0.00000 | 789605.1 | 764876.6 | 0.0 | S |
| 74.342 | 0.0000 | 0.0000 | 75.584 | 0.54436 | 0.00000 | 789605.1 | 764893.0 | 0.0 | S |
| 74.350 | 0.0000 | 0.0000 | 75.583 | 0.54418 | 0.00000 | 789605.1 | 764909.3 | 0.0 | S |
| 74.358 | 0.0000 | 0.0000 | 75.582 | 0.54399 | 0.00000 | 789605.1 | 764925.6 | 0.0 | S |
| 74.367 | 0.0000 | 0.0000 | 75.581 | 0.54380 | 0.00000 | 789605.1 | 764941.9 | 0.0 | S |
| 74.375 | 0.0000 | 0.0000 | 75.580 | 0.54361 | 0.00000 | 789605.1 | 764958.3 | 0.0 | S |
| 74.383 | 0.0000 | 0.0000 | 75.579 | 0.54342 | 0.00000 | 789605.1 | 764974.6 | 0.0 | S |
| 74.392 | 0.0000 | 0.0000 | 75.578 | 0.54323 | 0.00000 | 789605.1 | 764990.9 | 0.0 | S |
| 74.400 | 0.0000 | 0.0000 | 75.577 | 0.54304 | 0.00000 | 789605.1 | 765007.1 | 0.0 | S |
| 74.408 | 0.0000 | 0.0000 | 75.576 | 0.54285 | 0.00000 | 789605.1 | 765023.4 | 0.0 | S |
| 74.417 | 0.0000 | 0.0000 | 75.575 | 0.54266 | 0.00000 | 789605.1 | 765039.8 | 0.0 | S |
| 74.425 | 0.0000 | 0.0000 | 75.574 | 0.54247 | 0.00000 | 789605.1 | 765056.0 | 0.0 | S |
| 74.433 | 0.0000 | 0.0000 | 75.573 | 0.54229 | 0.00000 | 789605.1 | 765072.3 | 0.0 | S |
| 74.442 | 0.0000 | 0.0000 | 75.572 | 0.54210 | 0.00000 | 789605.1 | 765088.6 | 0.0 | S |
| 74.450 | 0.0000 | 0.0000 | $75.57 \pm$ | 0.54191 | 0.00000 | 789605.1 | 765104.8 | 0.0 | S |
| 74.458 | 0.0000 | 0.0000 | 75.570 | 0.54172 | 0.00000 | 789605.1 | 765121.1 | 0.0 | S |
| 74.467 | 0.0000 | 0.0000 | 75.569 | 0.54153 | 0.00000 | 789605.1 | 765137.3 | 0.0 | S |
| 74.475 | 0.0000 | 0.0000 | 75.569 | 0.54134 | 0.00000 | 789605.1 | 765153.6 | 0.0 | S |
| 74.483 | 0.0000 | 0.0000 | 75.568 | 0.54115 | 0.00000 | 789605.1 | 765169.8 | 0.0 | S |
| 74.492 | 0.0000 | 0.0000 | 75.567 | 0.54096 | 0.00000 | 789605.1 | 765186.0 | 0.0 | S |
| 74.500 | 0.0000 | 0.0000 | 75.566 | 0.54078 | 0.00000 | 789605.1 | 765202.3 | 0.0 | S |
| 74.508 | 0.0000 | 0.0000 | 75.565 | 0.54059 | 0.00000 | 789605.1 | 765218.4 | 0.0 | S |
| 74.517 | 0.0000 | 0.0000 | 75.564 | 0.54040 | 0.00000 | 789605.1 | 765234.7 | 0.0 | S |
| 74.525 | 0.0000 | 0.0000 | 75.563 | 0.54021 | 0.00000 | 789605.1 | 765250.9 | 0.0 | S |
| 74.533 | 0.0000 | 0.0000 | 75.562 | 0.54002 | 0.00000 | 789605.1 | 765267.1 | 0.0 | S |
| 74.542 | 0.0000 | 0.0000 | 75.561 | 0.53983 | 0.00000 | 789605.1 | 765283.3 | 0.0 | S |
| 74.550 | 0.0000 | 0.0000 | 75.560 | 0.53965 | 0.00000 | 789605.1 | 765299.5 | 0.0 | S |
| 74.558 | 0.0000 | 0.0000 | 75.559 | 0.53946 | 0.00000 | 789605.1 | 765315.7 | 0.0 | S |
| 74.567 | 0.0000 | 0.0000 | 75.558 | 0.53927 | 0.00000 | 789605.1 | 765331.9 | 0.0 | S |
| 74.575 | 0.0000 | 0.0000 | 75.557 | 0.53908 | 0.00000 | 789605.1 | 765348.0 | 0.0 | S |
| 74.583 | 0.0000 | 0.0000 | 75.556 | 0.53889 | 0.00000 | 789605.1 | 765364.2 | 0.0 | S |
| 74.592 | 0.0000 | 0.0000 | 75.555 | 0.53870 | 0.00000 | 789605.1 | 765380.4 | 0.0 | S |
| 74.600 | 0.0000 | 0.0000 | 75.554 | 0.53852 | 0.00000 | 789605.1 | 765396.5 | 0.0 | S |
| 74.608 | 0.0000 | 0.0000 | 75.553 | 0.53833 | 0.00000 | 789605.1 | 765412.7 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 5100 yr / 24 hr

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{2} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Overfow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | $\begin{aligned} & \text { Cumulative } \\ & \text { Inflow } \\ & \text { Volume }\left(\mathrm{f}^{3}\right) \end{aligned}$ | Cumulative infilitration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 74.617 | 0.0000 | 0.0000 | 75.552 | 0.53814 | 0.00000 | 789605.1 | 765428.8 | 0.0 | S |
| 74.625 | 0.0000 | 0.0000 | 75.551 | 0.53795 | 0.00000 | 789605.1 | 765444.9 | 0.0 | S |
| 74.633 | 0.0000 | 0.0000 | 75.550 | 0.53776 | 0.00000 | 789605.1 | 765461.1 | 0.0 | S |
| 74.642 | 0.0000 | 0.0000 | 75.550 | 0.53758 | 0.00000 | 789605.1 | 765477.2 | 0.0 | S |
| 74.650 | 0.0000 | 0.0000 | 75.549 | 0.53739 | 0.00000 | 789605.1 | 765493.3 | 0.0 | S |
| 74.658 | 0.0000 | 0.0000 | 75.548 | 0.53720 | 0.00000 | 789605.1 | 765509.4 | 0.0 | S |
| 74.667 | 0.0000 | 0.0000 | 75.547 | 0.53701 | 0.00000 | 789605.1 | 765525.6 | 0.0 | S |
| 74.675 | 0.0000 | 0.0000 | 75.546 | 0.53682 | 0.00000 | 789605.1 | 765541.7 | 0.0 | S |
| 74.683 | 0.0000 | 0.0000 | 75.545 | 0.53664 | 0.00000 | 789605.1 | 765557.8 | 0.0 | S |
| 74.692 | 0.0000 | 0.0000 | 75.544 | 0.53645 | 0.00000 | 789605.1 | 765573.9 | 0.0 | S |
| 74.700 | 0.0000 | 0.0000 | 75.543 | 0.53626 | 0.00000 | 789605.1 | 765590.0 | 0.0 | S |
| 74.708 | 0.0000 | 0.0000 | 75.542 | 0.53607 | 0.00000 | 789605.1 | 765606.1 | 0.0 | S |
| 74.717 | 0.0000 | 0.0000 | 75.541 | 0.53589 | 0.00000 | 789605.1 | 765622.1 | 0.0 | S |
| 74.725 | 0.0000 | 0.0000 | 75.540 | 0.53570 | 0.00000 | 789605.1 | 765638.2 | 0.0 | S |
| 74.733 | 0.0000 | 0.0000 | 75.539 | 0.53551 | 0.00000 | 789605.1 | 765654.3 | 0.0 | S |
| 74.742 | 0.0000 | 0.0000 | 75.538 | 0.53532 | 0.00000 | 789605.1 | 765670.3 | 0.0 | S |
| 74.750 | 0.0000 | 0.0000 | 75.537 | 0.53513 | 0.00000 | 789605.1 | 765686.4 | 0.0 | S |
| 74.758 | 0.0000 | 0.0000 | 75.536 | 0.53495 | 0.00000 | 789605.1 | 765702.4 | 0.0 | S |
| 74.767 | 0.0000 | 0.0000 | 75.535 | 0.53476 | 0.00000 | 789605.1 | 765718.5 | 0.0 | S |
| 74.775 | 0.0000 | 0.0000 | 75.534 | 0.53457 | 0.00000 | 789605.1 | 765734.6 | 0.0 | S |
| 74.783 | 0.0000 | 0.0000 | 75.533 | 0.53438 | 0.00000 | 789605.1 | 765750.6 | 0.0 | S |
| 74.792 | 0.0000 | 0.0000 | 75.532 | 0.53420 | 0.00000 | 789605.1 | 765766.6 | 0.0 | S |
| 74.800 | 0.0000 | 0.0000 | 75.532 | 0.53401 | 0.00000 | 789605.1 | 765782.6 | 0.0 | S |
| 74.808 | 0.0000 | 0.0000 | 75.531 | 0.53382 | 0.00000 | 789605.1 | 765798.6 | 0.0 | S |
| 74.817 | 0.0000 | 0.0000 | 75.530 | 0.53364 | 0.00000 | 789605.1 | 765814.6 | 0.0 | S |
| 74.825 | 0.0000 | 0.0000 | 75.529 | 0.53345 | 0.00000 | 789605.1 | 765830.6 | 0.0 | S |
| 74.833 | 0.0000 | 0.0000 | 75.528 | 0.53326 | 0.00000 | 789605.1 | 765846.6 | 0.0 | S |
| 74.842 | 0.0000 | 0.0000 | 75.527 | 0.53307 | 0.00000 | 789605.1 | 765862.6 | 0.0 | S |
| 74.850 | 0.0000 | 0.0000 | 75.526 | 0.53289 | 0.00000 | 789605.1 | 765878.6 | 0.0 | S |
| 74.858 | 0.0000 | 0.0000 | 75.525 | 0.53270 | 0.00000 | 789605.1 | 765894.6 | 0.0 | S |
| 74.867 | 0.0000 | 0.0000 | 75.524 | 0.53251 | 0.00000 | 789605.1 | 765910.6 | 0.0 | S |
| 74.875 | 0.0000 | 0.0000 | 75.523 | 0.53232 | 0.00000 | 789605.1 | 765926.6 | 0.0 | S |
| 74.883 | 0.0000 | 0.0000 | 75.522 | 0.53214 | 0.00000 | 789605.1 | 765942.6 | 0.0 | S |
| 74.892 | 0.0000 | 0.0000 | 75.521 | 0.53195 | 0.00000 | 789605.1 | 765958.5 | 0.0 | S |
| 74.900 | 0.0000 | 0.0000 | 75.520 | 0.53176 | 0.00000 | 789605.1 | 765974.4 | 0.0 | S |
| 74.908 | 0.0000 | 0.0000 | 75.519 | 0.53158 | 0.00000 | 789605.1 | 765990.4 | 0.0 | S |
| 74.917 | 0.0000 | 0.0000 | 75.518 | 0.53139 | 0.00000 | 789605.1 | 766006.4 | 0.0 | S |
| 74.925 | 0.0000 | 0.0000 | 75.517 | 0.53120 | 0.00000 | 789605.1 | 766022.3 | 0.0 | S |
| 74.933 | 0.0000 | 0.0000 | 75.516 | 0.53102 | 0.00000 | 789605.1 | 766038.3 | 0.0 | S |
| 74.942 | 0.0000 | 0.0000 | 75.515 | 0.53083 | 0.00000 | 789605.1 | 766054.1 | 0.0 | S |
| 74.950 | 0.0000 | 0.0000 | 75.514 | 0.53064 | 0.00000 | 789605.1 | 766070.1 | 0.0 | S |
| 74.958 | 0.0000 | 0.0000 | 75.514 | 0.53046 | 0.00000 | 789605.1 | 766086.0 | 0.0 | S |
| 74.967 | 0.0000 | 0.0000 | 75.513 | 0.53027 | 0.00000 | 789605.1 | 766101.9 | 0.0 | S |
| 74.975 | 0.0000 | 0.0000 | 75.512 | 0.53008 | 0.00000 | 789605.1 | 766117.8 | 0.0 | S |
| 74.983 | 0.0000 | 0.0000 | 75.511 | 0.52989 | 0.00000 | 789605.1 | 766133.7 | 0.0 | S |
| 74.992 | 0.0000 | 0.0000 | 75.510 | 0.52971 | 0.00000 | 789605.1 | 766149.6 | 0.0 | S |
| 75.000 | 0.0000 | 0.0000 | 75.509 | 0.52952 | 0.00000 | 789605.1 | 766165.5 | 0.0 | S |
| 75.008 | 0.0000 | 0.0000 | 75.508 | 0.52933 | 0.00000 | 789605.1 | 766181.4 | 0.0 | S |
| 75.017 | 0.0000 | 0.0000 | 75.507 | 0.52915 | 0.00000 | 789605.1 | 766197.3 | 0.0 | S |
| 75.025 | 0.0000 | 0.0000 | 75.506 | 0.52896 | 0.00000 | 789605.1 | 766213.1 | 0.0 | S |
| 75.033 | 0.0000 | 0.0000 | 75.505 | 0.52878 | 0.00000 | 789605.1 | 766229.0 | 0.0 | S |
| 75.042 | 0.0000 | 0.0000 | 75.504 | 0.52859 | 0.00000 | 789605.1 | 766244.9 | 0.0 | S |
| 75.050 | 0.0000 | 0.0000 | 75.503 | 0.52840 | 0.00000 | 789605.1 | 766260.7 | 0.0 | S |
| 75.058 | 0.0000 | 0.0000 | 75.502 | 0.52822 | 0.00000 | 789605.1 | 766276.6 | 0.0 | S |
| 75.067 | 0.0000 | 0.0000 | 75.501 | 0.52803 | 0.00000 | 789605.1 | 766292.4 | 0.0 | S |
| 75.075 | 0.0000 | 0.0000 | 75.500 | 0.52784 | 0.00000 | 789605.1 | 766308.3 | 0.0 | S |
| 75.083 | 0.0000 | 0.0000 | 75.499 | 0.52766 | 0.00000 | 789605.1 | 766324.1 | 0.0 | S |
| 75.092 | 0.0000 | 0.0000 | 75.498 | 0.52747 | 0.00000 | 789605.1 | 766339.9 | 0.0 | S |
| 75.100 | 0.0000 | 0.0000 | 75.497 | 0.52728 | 0.00000 | 789605.1 | 766355.7 | 0.0 | S |
| 75.108 | 0.0000 | 0.0000 | 75.496 | 0.52710 | 0.00000 | 789605.1 | 766371.5 | 0.0 | S |
| 75.117 | 0.0000 | 0.0000 | 75.495 | 0.52691 | 0.00000 | 789605.1 | 766387.3 | 0.0 | S |
| 75.125 | 0.0000 | 0.0000 | 75.495 | 0.52672 | 0.00000 | 789605.1 | 766403.1 | 0.0 | S |
| 75.133 | 0.0000 | 0.0000 | 75.494 | 0.52654 | 0.00000 | 789605.1 | 766418.9 | 0.0 | S |
| 75.142 | 0.0000 | 0.0000 | 75.493 | 0.52635 | 0.00000 | 789605.1 | 766434.8 | 0.0 | S |
| 75.150 | 0.0000 | 0.0000 | 75.492 | 0.52617 | 0.00000 | 789605.1 | 766450.5 | 0.0 | S |
| 75.158 | 0.0000 | 0.0000 | 75.491 | 0.52598 | 0.00000 | 789605.1 | 766466.3 | 0.0 | S |
| 75.167 | 0.0000 | 0.0000 | 75.490 | 0.52579 | 0.00000 | 789605.1 | 766482.1 | 0.0 | S |
| 75.175 | 0.0000 | 0.0000 | 75.489 | 0.52561 | 0.00000 | 789605.1 | 766497.9 | 0.0 | S |
| 75.183 | 0.0000 | 0.0000 | 75.488 | 0.52542 | 0.00000 | 789605.1 | 766513.6 | 0.0 | S |
| 75.192 | 0.0000 | 0.0000 | 75.487 | 0.52524 | 0.00000 | 789605.1 | 766529.4 | 0.0 | S |
| 75.200 | 0.0000 | 0.0000 | 75.486 | 0.52505 | 0.00000 | 789605.1 | 766545.1 | 0.0 | S |
| 75.208 | 0.0000 | 0.0000 | 75.485 | 0.52486 | 0.00000 | 789605.1 | 766560.9 | 0.0 | S |
| 75.217 | 0.0000 | 0.0000 | 75.484 | 0.52468 | 0.00000 | 789605.1 | 766576.6 | 0.0 | S |
| 75.225 | 0.0000 | 0.0000 | 75.483 | 0.52449 | 0.00000 | 789605.1 | 766592.4 | 0.0 | S |

PONDS Version 3．2．0207
Retention Pond Recovery－Refined Method
Copyright 2003
Devo Seereeram，Ph．D．，P．E．
Detailed Results（cont，d．）：：Scenario 1 ：：Pond 5100 yr／ 24 hr

|  |  |
| :---: | :---: |
|  |  |
|  |  |
|  <br>  |  |
| 00000000000000000000000000000000000000000000000000000000000000000000000000 <br>  <br> 品 |  |
| 000000000000000000000000000000000000000000000000000000000000000000000000 <br>  <br>  |  |
|  |  |
| कै Жै <br>  <br>  |  |
| 000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000 |  |
|  | 或彦 |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont, d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | inflow <br> Rate <br> (f ${ }^{3} / \mathrm{s}$ ) | Outside Recharge ( $\mathrm{f} / \mathrm{d}$ day) | Stage Elevation (fl datum) | Infiltration Rate (f13/s) | Overflow Discharge ( $\mathrm{f}^{1} / \mathrm{s}$ ) | Cumulative inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infilitration Volume ( $\mathrm{ff}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{Ht}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 75.850 | 0.0000 | 0.0000 | 75.412 | 0.51063 | 0.00000 | 789605.1 | 767756.9 | 0.0 | S |
| 75.858 | 0.0000 | 0.0000 | 75.411 | 0.51045 | 0.00000 | 789605.1 | 767772.2 | 0.0 | S |
| 75.867 | 0.0000 | 0.0000 | 75.410 | 0.51026 | 0.00000 | 789605.1 | 767787.5 | 0.0 | S |
| 75.875 | 0.0000 | 0.0000 | 75.409 | 0.51008 | 0.00000 | 789605.1 | 767802.8 | 0.0 | S |
| 75.883 | 0.0000 | 0.0000 | 75.408 | 0.50990 | 0.00000 | 789605.1 | 767818.1 | 0.0 | S |
| 75.892 | 0.0000 | 0.0000 | 75.407 | 0.50971 | 0.00000 | 789605.1 | 767833.4 | 0.0 | S |
| 75.900 | 0.0000 | 0.0000 | 75.406 | 0.50953 | 0.00000 | 789605.1 | 767848.7 | 0.0 | S |
| 75.908 | 0.0000 | 0.0000 | 75.405 | 0.50935 | 0.00000 | 789605.1 | 767863.9 | 0.0 | S |
| 75.917 | 0.0000 | 0.0000 | 75.404 | 0.50916 | 0.00000 | 789605.1 | 767879.3 | 0.0 | S |
| 75.925 | 0.0000 | 0.0000 | 75.403 | 0.50898 | 0.00000 | 789605.1 | 767894.5 | 0.0 | S |
| 75.933 | 0.0000 | 0.0000 | 75.402 | 0.50880 | 0.00000 | 789605.1 | 767909.8 | 0.0 | S |
| 75.942 | 0.0000 | 0.0000 | 75.401 | 0.50861 | 0.00000 | 789605.1 | 767925.0 | 0.0 | S |
| 75.950 | 0.0000 | 0.0000 | 75.400 | 0.50843 | 0.00000 | 789605.1 | 767940.3 | 0.0 | S |
| 75.958 | 0.0000 | 0.0000 | 75.399 | 0.50824 | 0.00000 | 789605.1 | 767955.6 | 0.0 | S |
| 75.967 | 0.0000 | 0.0000 | 75.399 | 0.50806 | 0.00000 | 789605.1 | 767970.8 | 0.0 | S |
| 75.975 | 0.0000 | 0.0000 | 75.398 | 0.50788 | 0.00000 | 789605.1 | 767986.0 | 0.0 | S |
| 75.983 | 0.0000 | 0.0000 | 75.397 | 0.50769 | 0.00000 | 789605.1 | 768001.3 | 0.0 | S |
| 75.992 | 0.0000 | 0.0000 | 75.396 | 0.50751 | 0.00000 | 789605.1 | 768016.5 | 0.0 | S |
| 76.000 | 0.0000 | 0.0000 | 75.395 | 0.50733 | 0.00000 | 789605.1 | 768031.7 | 0.0 | S |
| 76.008 | 0.0000 | 0.0000 | 75.394 | 0.50714 | 0.00000 | 789605.1 | 768046.9 | 0.0 | S |
| 76.017 | 0.0000 | 0.0000 | 75.393 | 0.50696 | 0.00000 | 789605.1 | 768062.1 | 0.0 | S |
| 76.025 | 0.0000 | 0.0000 | 75.392 | 0.50678 | 0.00000 | 789605.1 | 768077.3 | 0.0 | S |
| 76.033 | 0.0000 | 0.0000 | 75.391 | 0.50659 | 0.00000 | 789605.1 | 768092.6 | 0.0 | S |
| 76.042 | 0.0000 | 0.0000 | 75.390 | 0.50641 | 0.00000 | 789605.1 | 768107.8 | 0.0 | S |
| 76.050 | 0.0000 | 0.0000 | 75.389 | 0.50623 | 0.00000 | 789605.1 | 768122.9 | 0.0 | S |
| 76.058 | 0.0000 | 0.0000 | 75.388 | 0.50604 | 0.00000 | 789605.1 | 768138.1 | 0.0 | S |
| 76.067 | 0.0000 | 0.0000 | 75.387 | 0.50586 | 0.00000 | 789605.1 | 768153.3 | 0.0 | S |
| 76.075 | 0.0000 | 0.0000 | 75.386 | 0.50568 | 0.00000 | 789605.1 | 768168.4 | 0.0 | S |
| 76.083 | 0.0000 | 0.0000 | 75.385 | 0.50550 | 0.00000 | 789605.1 | 768183.6 | 0.0 | S |
| 76.092 | 0.0000 | 0.0000 | 75.384 | 0.50531 | 0.00000 | 789605.1 | 768198.8 | 0.0 | S |
| 76.100 | 0.0000 | 0.0000 | 75.383 | 0.50513 | 0.00000 | 789605.1 | 768213.9 | 0.0 | S |
| 76.108 | 0.0000 | 0.0000 | 75.382 | 0.50495 | 0.00000 | 789605.1 | 768229.1 | 0.0 | S |
| 76.117 | 0.0000 | 0.0000 | 75.381 | 0.50476 | 0.00000 | 789605.1 | 768244.3 | 0.0 | S |
| 76.125 | 0.0000 | 0.0000 | 75.380 | 0.50458 | 0.00000 | 789605.1 | 768259.4 | 0.0 | S |
| 76.133 | 0.0000 | 0.0000 | 75.379 | 0.50440 | 0.00000 | 789605.1 | 768274.5 | 0.0 | S |
| 76.142 | 0.0000 | 0.0000 | 75.379 | 0.50421 | 0.00000 | 789605.1 | 768289.6 | 0.0 | S |
| 76.150 | 0.0000 | 0.0000 | 75.378 | 0.50403 | 0.00000 | 789605.1 | 768304.8 | 0.0 | S |
| 76.158 | 0.0000 | 0.0000 | 75.377 | 0.50385 | 0.00000 | 789605.1 | 768319.9 | 0.0 | S |
| 76.167 | 0.0000 | 0.0000 | 75.376 | 0.50367 | 0.00000 | 789605.1 | 768335.0 | 0.0 | S |
| 76.175 | 0.0000 | 0.0000 | 75.375 | 0.50348 | 0.00000 | 789605.1 | 768350.1 | 0.0 | S |
| 76.183 | 0.0000 | 0.0000 | 75.374 | 0.50330 | 0.00000 | 789605.1 | 768365.2 | 0.0 | S |
| 76.192 | 0.0000 | 0.0000 | 75.373 | 0.50312 | 0.00000 | 789605.1 | 768380.3 | 0.0 | S |
| 76.200 | 0.0000 | 0.0000 | 75.372 | 0.50293 | 0.00000 | 789605.1 | 768395.4 | 0.0 | S |
| 76.208 | 0.0000 | 0.0000 | 75.371 | 0.50275 | 0.00000 | 789605.1 | 768410.5 | 0.0 | S |
| 76.217 | 0.0000 | 0.0000 | 75.370 | 0.50257 | 0.00000 | 789605.1 | 768425.6 | 0.0 | S |
| 76.225 | 0.0000 | 0.0000 | 75.369 | 0.50239 | 0.00000 | 789605.1 | 768440.6 | 0.0 | S |
| 76.233 | 0.0000 | 0.0000 | 75.368 | 0.50220 | 0.00000 | 789605.1 | 768455.7 | 0.0 | S |
| 76.242 | 0.0000 | 0.0000 | 75.367 | 0.50202 | 0.00000 | 789605.1 | 768470.8 | 0.0 | S |
| 76.250 | 0.0000 | 0.0000 | 75.366 | 0.50184 | 0.00000 | 789605.1 | 768485.8 | 0.0 | S |
| 76.258 | 0.0000 | 0.0000 | 75.365 | 0.50166 | 0.00000 | 789605.1 | 768500.9 | 0.0 | S |
| 76.267 | 0.0000 | 0.0000 | 75.364 | 0.50147 | 0.00000 | 789605.1 | 768515.9 | 0.0 | S |
| 76.275 | 0.0000 | 0.0000 | 75.363 | 0.50129 | 0.00000 | 789605.1 | 768530.9 | 0.0 | S |
| 76.283 | 0.0000 | 0.0000 | 75.362 | 0.50111 | 0.00000 | 789605.1 | 768546.0 | 0.0 | S |
| 76.292 | 0.0000 | 0.0000 | 75.361 | 0.50093 | 0.00000 | 789605.1 | 768561.0 | 0.0 | S |
| 76.300 | 0.0000 | 0.0000 | 75.360 | 0.50074 | 0.00000 | 789605.1 | 768576.1 | 0.0 | S |
| 76.308 | 0.0000 | 0.0000 | 75.359 | 0.50056 | 0.00000 | 789605.1 | 768591.1 | 0.0 | S |
| 76.317 | 0.0000 | 0.0000 | 75.359 | 0.50038 | 0.00000 | 789605.1 | 768606.1 | 0.0 | S |
| 76.325 | 0.0000 | 0.0000 | 75.358 | 0.50020 | 0.00000 | 789605.1 | 768621.1 | 0.0 | S |
| 76.333 | 0.0000 | 0.0000 | 75.357 | 0.50001 | 0.00000 | 789605.1 | 768636.1 | 0.0 | S |
| 76.342 | 0.0000 | 0.0000 | 75.356 | 0.49983 | 0.00000 | 789605.1 | 768651.1 | 0.0 | S |
| 76.350 | 0.0000 | 0.0000 | 75.355 | 0.49965 | 0.00000 | 789605.1 | 768666.1 | 0.0 | S |
| 76.358 | 0.0000 | 0.0000 | 75.354 | 0.49947 | 0.00000 | 789605.1 | 768681.1 | 0.0 | S |
| 76.367 | 0.0000 | 0.0000 | 75.353 | 0.49928 | 0.00000 | 789605.1 | 768696.1 | 0.0 | S |
| 76.375 | 0.0000 | 0.0000 | 75.352 | 0.49910 | 0.00000 | 789605.1 | 768711.1 | 0.0 | S |
| 76.383 | 0.0000 | 0.0000 | 75.351 | 0.49892 | 0.00000 | 789605.1 | 768726.0 | 0.0 | S |
| 76.392 | 0.0000 | 0.0000 | 75,350 | 0.49874 | 0.00000 | 789605.1 | 768741.0 | 0.0 | S |
| 76.400 | 0.0000 | 0.0000 | 75.349 | 0.49856 | 0.00000 | 789605.1 | 768755.9 | 0.0 | S |
| 76.408 | 0.0000 | 0.0000 | 75.348 | 0.49837 | 0.00000 | 789605.1 | 768770.9 | 0.0 | S |
| 76.417 | 0.0000 | 0.0000 | 75.347 | 0.49819 | 0.00000 | 789605.1 | 768785.8 | 0.0 | S |
| 76.425 | 0.0000 | 0.0000 | 75.346 | 0.49801 | 0.00000 | 789605.1 | 768800.8 | 0.0 | S |
| 76.433 | 0.0000 | 0.0000 | 75.345 | 0.49783 | 0.00000 | 789605.1 | 768815.7 | 0.0 | S |
| 76.442 | 0.0000 | 0.0000 | 75.344 | 0.49764 | 0.00000 | 789605.1 | 768830.6 | 0.0 | S |
| 76.450 | 0.0000 | 0.0000 | 75.343 | 0.49746 | 0.00000 | 789605.1 | 768845.6 | 0.0 | S |
| 76.458 | 0.0000 | 0.0000 | 75.342 | 0.49728 | 0.00000 | 789605.1 | 768860.5 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ff}^{3}$ ) | Cumulative Infiltration Volume (fil | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 76.467 | 0.0000 | 0.0000 | 75.341 | 0.49710 | 0.00000 | 789605.1 | 768875.4 | 0.0 | S |
| 76.475 | 0.0000 | 0.0000 | 75.340 | 0.49692 | 0.00000 | 789605.1 | 768890.3 | 0.0 | S |
| 76.483 | 0.0000 | 0.0000 | 75.339 | 0.49673 | 0.00000 | 789605.1 | 768905.3 | 0.0 | S |
| 76.492 | 0.0000 | 0.0000 | 75.338 | 0.49655 | 0.00000 | 789605.1 | 768920.1 | 0.0 | S |
| 76.500 | 0.0000 | 0.0000 | 75.338 | 0.49637 | 0.00000 | 789605.1 | 768935.0 | 0.0 | S |
| 76.508 | 0.0000 | 0.0000 | 75.337 | 0.49619 | 0.00000 | 789605.1 | 768949.9 | 0.0 | S |
| 76.517 | 0.0000 | 0.0000 | 75.336 | 0.49601 | 0.00000 | 789605.1 | 768964.8 | 0.0 | S |
| 76.525 | 0.0000 | 0.0000 | 75.335 | 0.49583 | 0.00000 | 789605.1 | 768979.7 | 0.0 | S |
| 76.533 | 0.0000 | 0.0000 | 75.334 | 0.49564 | 0.00000 | 789605.1 | 768994.6 | 0.0 | S |
| 76.542 | 0.0000 | 0.0000 | 75.333 | 0.49546 | 0.00000 | 789605.1 | 769009.4 | 0.0 | S |
| 76.550 | 0.0000 | 0.0000 | 75.332 | 0.49528 | 0.00000 | 789605.1 | 769024.3 | 0.0 | S |
| 76.558 | 0.0000 | 0.0000 | 75.331 | 0.49510 | 0.00000 | 789605.1 | 769039.1 | 0.0 | S |
| 76.567 | 0.0000 | 0.0000 | 75.330 | 0.49492 | 0.00000 | 789605.1 | 769054.0 | 0.0 | S |
| 76.575 | 0.0000 | 0.0000 | 75.329 | 0.49473 | 0.00000 | 789605.1 | 769068.8 | 0.0 | S |
| 76.583 | 0.0000 | 0.0000 | 75.328 | 0.49455 | 0.00000 | 789605.1 | 769083.6 | 0.0 | S |
| 76.592 | 0.0000 | 0.0000 | 75.327 | 0.49437 | 0.00000 | 789605.1 | 769098.5 | 0.0 | S |
| 76.600 | 0.0000 | 0.0000 | 75.326 | 0.49419 | 0.00000 | 789605.1 | 769113.3 | 0.0 | S |
| 76.608 | 0.0000 | 0.0000 | 75.325 | 0.49401 | 0.00000 | 789605.1 | 769128.1 | 0.0 | S |
| 76.617 | 0.0000 | 0.0000 | 75.324 | 0.49383 | 0.00000 | 789605.1 | 769142.9 | 0.0 | S |
| 76.625 | 0.0000 | 0.0000 | 75.323 | 0.49364 | 0.00000 | 789605.1 | 769157.8 | 0.0 | S |
| 76.633 | 0.0000 | 0.0000 | 75.322 | 0.49346 | 0.00000 | 789605.1 | 769172.6 | 0.0 | S |
| 76.642 | 0.0000 | 0.0000 | 75.321 | 0.49328 | 0.00000 | 789605.1 | 769187.4 | 0.0 | S |
| 76.650 | 0.0000 | 0.0000 | 75.320 | 0.49310 | 0.00000 | 789605.1 | 769202.2 | 0.0 | S |
| 76,658 | 0.0000 | 0.0000 | 75.319 | 0.49292 | 0.00000 | 789605.1 | 769216.9 | 0.0 | S |
| 76.667 | 0.0000 | 0.0000 | 75.318 | 0.49274 | 0.00000 | 789605.1 | 769231.8 | 0.0 | S |
| 76.675 | 0.0000 | 0.0000 | 75.317 | 0.49256 | 0.00000 | 789605.1 | 769246.5 | 0.0 | S |
| 76.683 | 0.0000 | 0.0000 | 75.317 | 0.49237 | 0.00000 | 789605.1 | 769261.3 | 0.0 | S |
| 76.692 | 0.0000 | 0.0000 | 75.316 | 0.49219 | 0.00000 | 789605.1 | 769276.1 | 0.0 | S |
| 76.700 | 0.0000 | 0.0000 | 75.315 | 0.49201 | 0.00000 | 789605.1 | 769290.8 | 0.0 | S |
| 76.708 | 0.0000 | 0.0000 | 75.314 | 0.49183 | 0.00000 | 789605.1 | 769305.6 | 0.0 | S |
| 76.717 | 0.0000 | 0.0000 | 75.313 | 0.49165 | 0.00000 | 789605.1 | 769320.3 | 0.0 | S |
| 76.725 | 0.0000 | 0.0000 | 75.312 | 0.49147 | 0.00000 | 789605.1 | 769335.1 | 0.0 | S |
| 76.733 | 0.0000 | 0.0000 | 75.311 | 0.49129 | 0.00000 | 789605.1 | 769349.8 | 0.0 | S |
| 76.742 | 0.0000 | 0.0000 | 75.310 | 0.49110 | 0.00000 | 789605.1 | 769364.6 | 0.0 | S |
| 76.750 | 0.0000 | 0.0000 | 75.309 | 0.49092 | 0.00000 | 789605.1 | 769379.3 | 0.0 | S |
| 76.758 | 0.0000 | 0.0000 | 75.308 | 0.49074 | 0.00000 | 789605.1 | 769394.0 | 0.0 | S |
| 76.767 | 0.0000 | 0.0000 | 75.307 | 0.49056 | 0.00000 | 789605.1 | 769408.8 | 0.0 | S |
| 76.775 | 0.0000 | 0.0000 | 75.306 | 0.49038 | 0.00000 | 789605.1 | 769423.4 | 0.0 | S |
| 76.783 | 0.0000 | 0.0000 | 75.305 | 0.49020 | 0.00000 | 789605.1 | 769438.2 | 0.0 | S |
| 76.792 | 0.0000 | 0.0000 | 75.304 | 0.49002 | 0.00000 | 789605.1 | 769452.9 | 0.0 | S |
| 76.800 | 0.0000 | 0.0000 | 75.303 | 0.48984 | 0.00000 | 789605.1 | 769467.6 | 0.0 | S |
| 76.808 | 0.0000 | 0.0000 | 75.302 | 0.48965 | 0.00000 | 789605.1 | 769482.3 | 0.0 | S |
| 76.817 | 0.0000 | 0.0000 | 75.301 | 0.48947 | 0.00000 | 789605.1 | 769496.9 | 0.0 | S |
| 76.825 | 0.0000 | 0.0000 | 75.300 | 0.48929 | 0.00000 | 789605.1 | 769511.6 | 0.0 | S |
| 76.833 | 0.0000 | 0.0000 | 75.299 | 0.48911 | 0.00000 | 789605.1 | 769526.3 | 0.0 | S |
| 76.842 | 0.0000 | 0.0000 | 75.298 | 0.48893 | 0.00000 | 789605.1 | 769541.0 | 0.0 | S |
| 76.850 | 0.0000 | 0.0000 | 75.297 | 0.48875 | 0.00000 | 789605.1 | 769555.6 | 0.0 | S |
| 76.858 | 0.0000 | 0.0000 | 75.296 | 0.48857 | 0.00000 | 789605.1 | 769570.3 | 0.0 | S |
| 76.867 | 0.0000 | 0.0000 | 75.296 | 0.48839 | 0.00000 | 789605.1 | 769584.9 | 0.0 | S |
| 76.875 | 0.0000 | 0.0000 | 75.295 | 0.48821 | 0.00000 | 789605.1 | 769599.6 | 0.0 | S |
| 76.883 | 0.0000 | 0.0000 | 75.294 | 0.48803 | 0.00000 | 789605.1 | 769614.3 | 0.0 | S |
| 76.892 | 0.0000 | 0.0000 | 75.293 | 0.48784 | 0.00000 | 789605.1 | 769628.9 | 0.0 | S |
| 76.900 | 0.0000 | 0.0000 | 75.292 | 0.48766 | 0.00000 | 789605.1 | 769643.5 | 0.0 | S |
| 76.908 | 0.0000 | 0.0000 | 75.291 | 0.48748 | 0.00000 | 789605.1 | 769658.1 | 0.0 | S |
| 76.917 | 0.0000 | 0.0000 | 75.290 | 0.48730 | 0.00000 | 789605.1 | 769672.8 | 0.0 | S |
| 76.925 | 0.0000 | 0.0000 | 75.289 | 0.48712 | 0.00000 | 789605.1 | 769687.4 | 0.0 | S |
| 76.933 | 0.0000 | 0.0000 | 75.288 | 0.48694 | 0.00000 | 789605.1 | 769702.0 | 0.0 | S |
| 76.942 | 0.0000 | 0.0000 | 75.287 | 0.48676 | 0.00000 | 789605.1 | 769716.6 | 0.0 | S |
| 76.950 | 0.0000 | 0.0000 | 75.286 | 0.48658 | 0.00000 | 789605.1 | 769731.2 | 0.0 | S |
| 76.958 | 0.0000 | 0.0000 | 75.285 | 0.48640 | 0.00000 | 789605.1 | 769745.8 | 0.0 | S |
| 76.967 | 0.0000 | 0.0000 | 75.284 | 0.48622 | 0.00000 | 789605.1 | 769760.4 | 0.0 | S |
| 76.975 | 0.0000 | 0.0000 | 75.283 | 0.48604 | 0.00000 | 789605.1 | 769774.9 | 0.0 | S |
| 76.983 | 0.0000 | 0.0000 | 75.282 | 0.48586 | 0.00000 | 789605.1 | 769789.6 | 0.0 | S |
| 76.992 | 0.0000 | 0.0000 | 75.281 | 0.48568 | 0.00000 | 789605.1 | 769804.1 | 0.0 | S |
| 77.000 | 0.0000 | 0.0000 | 75.280 | 0.48549 | 0.00000 | 789605.1 | 769818.7 | 0.0 | S |
| 77.008 | 0.0000 | 0.0000 | 75.279 | 0.48531 | 0.00000 | 789605.1 | 769833.3 | 0.0 | S |
| 77.017 | 0.0000 | 0.0000 | 75.278 | 0.48513 | 0.00000 | 789605.1 | 769847.8 | 0.0 | S |
| 77.025 | 0.0000 | 0.0000 | 75.277 | 0.48495 | 0.00000 | 789605.1 | 769862.4 | 0.0 | S |
| 77.033 | 0.0000 | 0.0000 | 75.276 | 0.48477 | 0.00000 | 789605.1 | 769876.9 | 0.0 | S |
| 77.042 | 0.0000 | 0.0000 | 75.275 | 0.48459 | 0.00000 | 789605.1 | 769891.4 | 0.0 | S |
| 77.050 | 0.0000 | 0.0000 | 75.274 | 0.48441 | 0.00000 | 789605.1 | 769906.0 | 0.0 | S |
| 77.058 | 0.0000 | 0.0000 | 75.274 | 0.48423 | 0.00000 | 789605.1 | 769920.5 | 0.0 | S |
| 77.067 | 0.0000 | 0.0000 | 75.273 | 0.48405 | 0.00000 | 789605.1 | 769935.0 | 0.0 | S |
| 77.075 | 0.0000 | 0.0000 | 75.272 | 0.48387 | 0.00000 | 789605.1 | 769949.6 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario $1: \because$ Pond 5100 yr / 24 hr

| Elapsed Time (hours) | inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (fi/day) | Stage Elevation (fl datum) | Infiltration Rate ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{fl}^{3}$ ) | Cumulative <br> Discharge <br> Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 77.083 | 0.0000 | 0.0000 | 75.271 | 0.48369 | 0.00000 | 789605.1 | 769964.1 | 0.0 | S |
| 77.092 | 0.0000 | 0.0000 | 75.270 | 0.48351 | 0.00000 | 789605.1 | 769978.6 | 0.0 | S |
| 77.100 | 0.0000 | 0.0000 | 75.269 | 0.48333 | 0.00000 | 789605.1 | 769993.1 | 0.0 | S |
| 77.108 | 0.0000 | 0.0000 | 75.268 | 0.48315 | 0.00000 | 789605.1 | 770007.6 | 0.0 | S |
| 77.117 | 0.0000 | 0.0000 | 75.267 | 0.48297 | 0.00000 | 789605.1 | 770022.1 | 0.0 | S |
| 77.125 | 0.0000 | 0.0000 | 75.266 | 0.48279 | 0.00000 | 789605.1 | 770036.6 | 0.0 | S |
| 77.133 | 0.0000 | 0.0000 | 75.265 | 0.48261 | 0.00000 | 789605.1 | 770051.0 | 0.0 | S |
| 77.142 | 0.0000 | 0.0000 | 75.264 | 0.48243 | 0.00000 | 789605.1 | 770065.5 | 0.0 | S |
| 77.150 | 0.0000 | 0.0000 | 75.263 | 0.48225 | 0.00000 | 789605.1 | 770080.0 | 0.0 | S |
| 77.158 | 0.0000 | 0.0000 | 75.262 | 0.48207 | 0.00000 | 789605.1 | 770094.4 | 0.0 | S |
| 77.167 | 0.0000 | 0.0000 | 75.261 | 0.48189 | 0.00000 | 789605.1 | 770108.9 | 0.0 | S |
| 77.175 | 0.0000 | 0.0000 | 75.260 | 0.48171 | 0.00000 | 789605.1 | 770123.4 | 0.0 | S |
| 77.183 | 0.0000 | 0.0000 | 75.259 | 0.48153 | 0.00000 | 789605.1 | 770137.8 | 0.0 | S |
| 77.192 | 0.0000 | 0.0000 | 75.258 | 0.48135 | 0.00000 | 789605.1 | 770152.3 | 0.0 | S |
| 77.200 | 0.0000 | 0.0000 | 75.257 | 0.48117 | 0.00000 | 789605.1 | 770166.7 | 0.0 | S |
| 77.208 | 0.0000 | 0.0000 | 75.256 | 0.48099 | 0.00000 | 789605.1 | 770181.1 | 0.0 | S |
| 77.217 | 0.0000 | 0.0000 | 75.255 | 0.48080 | 0.00000 | 789605.1 | 770195.6 | 0.0 | S |
| 77.225 | 0.0000 | 0.0000 | 75.254 | 0.48062 | 0.00000 | 789605.1 | 770209.9 | 0.0 | S |
| 77.233 | 0.0000 | 0.0000 | 75.253 | 0.48044 | 0.00000 | 789605.1 | 770224.4 | 0.0 | S |
| 77.242 | 0.0000 | 0.0000 | 75.252 | 0.48026 | 0.00000 | 789605.1 | 770238.8 | 0.0 | S |
| 77.250 | 0.0000 | 0.0000 | 75.252 | 0.48008 | 0.00000 | 789605.1 | 770253.2 | 0.0 | S |
| 77.258 | 0.0000 | 0.0000 | 75.251 | 0.47990 | 0.00000 | 789605.1 | 770267.6 | 0.0 | S |
| 77.267 | 0.0000 | 0.0000 | 75.250 | 0.47972 | 0.00000 | 789605.1 | 770282.0 | 0.0 | S |
| 77.275 | 0.0000 | 0.0000 | 75.249 | 0.47954 | 0.00000 | 789605.1 | 770296.4 | 0.0 | S |
| 77.283 | 0.0000 | 0.0000 | 75.248 | 0.47936 | 0.00000 | 789605.1 | 770310.8 | 0.0 | S |
| 77.292 | 0.0000 | 0.0000 | 75.247 | 0.47918 | 0.00000 | 789605.1 | 770325.1 | 0.0 | S |
| 77.300 | 0.0000 | 0.0000 | 75.246 | 0.47900 | 0.00000 | 789605.1 | 770339.5 | 0.0 | S |
| 77.308 | 0.0000 | 0.0000 | 75.245 | 0.47882 | 0.00000 | 789605.1 | 770353.9 | 0.0 | S |
| 77.317 | 0.0000 | 0.0000 | 75.244 | 0.47864 | 0.00000 | 789605.1 | 770368.3 | 0.0 | S |
| 77.325 | 0.0000 | 0.0000 | 75.243 | 0.47846 | 0.00000 | 789605.1 | 770382.6 | 0.0 | S |
| 77.333 | 0.0000 | 0.0000 | 75.242 | 0.47829 | 0.00000 | 789605.1 | 770396.9 | 0.0 | S |
| 77.342 | 0.0000 | 0.0000 | 75.241 | 0.47811 | 0.00000 | 789605.1 | 770411.3 | 0.0 | S |
| 77.350 | 0.0000 | 0.0000 | 75.240 | 0.47793 | 0.00000 | 789605.1 | 770425.6 | 0.0 | S |
| 77.358 | 0.0000 | 0.0000 | 75.239 | 0.47775 | 0.00000 | 789605.1 | 770439.9 | 0.0 | S |
| 77.367 | 0.0000 | 0.0000 | 75.238 | 0.47757 | 0.00000 | 789605.1 | 770454.3 | 0.0 | S |
| 77.375 | 0.0000 | 0.0000 | 75.237 | 0.47739 | 0.00000 | 789605.1 | 770468.6 | 0.0 | S |
| 77.383 | 0.0000 | 0.0000 | 75.236 | 0.47721 | 0.00000 | 789605.1 | 770482.9 | 0.0 | S |
| 77.392 | 0.0000 | 0.0000 | 75.235 | 0.47703 | 0.00000 | 789605.1 | 770497.3 | 0.0 | S |
| 77.400 | 0.0000 | 0.0000 | 75.234 | 0.47685 | 0.00000 | 789605.1 | 770511.6 | 0.0 | S |
| 77.408 | 0.0000 | 0.0000 | 75.233 | 0.47667 | 0.00000 | 789605.1 | 770525.9 | 0.0 | S |
| 77.417 | 0.0000 | 0.0000 | 75.232 | 0.47649 | 0.00000 | 789605.1 | 770540.2 | 0.0 | S |
| 77.425 | 0.0000 | 0.0000 | 75.231 | 0.47631 | 0.00000 | 789605.1 | 770554.4 | 0.0 | S |
| 77.433 | 0.0000 | 0.0000 | 75.230 | 0.47613 | 0.00000 | 789605.1 | 770568.8 | 0.0 | S |
| 77.442 | 0.0000 | 0.0000 | 75.229 | 0.47595 | 0.00000 | 789605.1 | 770583.0 | 0.0 | S |
| 77.450 | 0.0000 | 0.0000 | 75.229 | 0.47577 | 0.00000 | 789605.1 | 770597.3 | 0.0 | S |
| 77.458 | 0.0000 | 0.0000 | 75.228 | 0.47559 | 0.00000 | 789605.1 | 770611.6 | 0.0 | S |
| 77.467 | 0.0000 | 0.0000 | 75.227 | 0.47541 | 0.00000 | 789605.1 | 770625.8 | 0.0 | S |
| 77.475 | 0.0000 | 0.0000 | 75.226 | 0.47523 | 0.00000 | 789605.1 | 770640.1 | 0.0 | S |
| 77.483 | 0.0000 | 0.0000 | 75.225 | 0.47505 | 0.00000 | 789605.1 | 770654.4 | 0.0 | S |
| 77.492 | 0.0000 | 0.0000 | 75.224 | 0.47487 | 0.00000 | 789605.1 | 770668.6 | 0.0 | S |
| 77.500 | 0.0000 | 0.0000 | 75.223 | 0.47469 | 0.00000 | 789605.1 | 770682.8 | 0.0 | S |
| 77.508 | 0.0000 | 0.0000 | 75.222 | 0.47451 | 0.00000 | 789605.1 | 770697.1 | 0.0 | S |
| 77.517 | 0.0000 | 0.0000 | 75.221 | 0.47433 | 0.00000 | 789605.1 | 770711.3 | 0.0 | S |
| 77.525 | 0.0000 | 0.0000 | 75.220 | 0.47415 | 0.00000 | 789605.1 | 770725.6 | 0.0 | S |
| 77.533 | 0.0000 | 0.0000 | 75.219 | 0.47397 | 0.00000 | 789605.1 | 770739.8 | 0.0 | S |
| 77.542 | 0.0000 | 0.0000 | 75.218 | 0.47379 | 0.00000 | 789605.1 | 770754.0 | 0.0 | S |
| 77.550 | 0.0000 | 0.0000 | 75.217 | 0.47361 | 0.00000 | 789605.1 | 770768.2 | 0.0 | S |
| 77.558 | 0.0000 | 0.0000 | 75.216 | 0.47344 | 0.00000 | 789605.1 | 770782.4 | 0.0 | S |
| 77.567 | 0.0000 | 0.0000 | 75.215 | 0.47326 | 0.00000 | 789605.1 | 770796.6 | 0.0 | S |
| 77.575 | 0.0000 | 0.0000 | 75.214 | 0.47308 | 0.00000 | 789605.1 | 770810.8 | 0.0 | S |
| 77.583 | 0.0000 | 0.0000 | 75.213 | 0.47290 | 0.00000 | 789605.1 | 770825.0 | 0.0 | S |
| 77.592 | 0.0000 | 0.0000 | 75.212 | 0.47272 | 0.00000 | 789605.1 | 770839.2 | 0.0 | S |
| 77.600 | 0.0000 | 0.0000 | 75.211 | 0.47254 | 0.00000 | 789605.1 | 770853.3 | 0.0 | S |
| 77.608 | 0.0000 | 0.0000 | 75.210 | 0.47236 | 0.00000 | 789605.1 | 770867.5 | 0.0 | S |
| 77.617 | 0.0000 | 0.0000 | 75.209 | 0.47218 | 0.00000 | 789605.1 | 770881.7 | 0.0 | S |
| 77.625 | 0.0000 | 0.0000 | 75.208 | 0.47200 | 0.00000 | 789605.1 | 770895.9 | 0.0 | S |
| 77.633 | 0.0000 | 0.0000 | 75.207 | 0.47182 | 0.00000 | 789605.1 | 770910.0 | 0.0 | S |
| 77.642 | 0.0000 | 0.0000 | 75.206 | 0.47164 | 0.00000 | 789605.1 | 770924.1 | 0.0 | S |
| 77.650 | 0.0000 | 0.0000 | 75.206 | 0.47146 | 0.00000 | 789605.1 | 770938.3 | 0.0 | S |
| 77.658 | 0.0000 | 0.0000 | 75.205 | 0.47128 | 0.00000 | 789605.1 | 770952.4 | 0.0 | S |
| 77.667 | 0.0000 | 0.0000 | 75.204 | 0.47110 | 0.00000 | 789605.1 | 770966.6 | 0.0 | S |
| 77.675 | 0.0000 | 0.0000 | 75.203 | 0.47093 | 0.00000 | 789605.1 | 770980.7 | 0.0 | S |
| 77.683 | 0.0000 | 0.0000 | 75.202 | 0.47075 | 0.00000 | 789605.1 | 770994.8 | 0.0 | S |
| 77.692 | 0.0000 | 0.0000 | 75.201 | 0.47057 | 0.00000 | 789605.1 | 771008.9 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont.d.) :: Scenario 1 :: Pond 5100 yr / 24 hr

| Elapsed Time (hours) | inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | $\begin{aligned} & \text { Cumulative } \\ & \text { Inflow } \\ & \text { Volume }\left(\mathrm{ff}^{3}\right) \end{aligned}$ | Cumulative infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 77.700 | 0.0000 | 0.0000 | 75.200 | 0.47039 | 0.00000 | 789605.1 | 771023.1 | 0.0 | S |
| 77.708 | 0.0000 | 0.0000 | 75.199 | 0.47021 | 0.00000 | 789605.1 | 771037.2 | 0.0 | S |
| 77.717 | 0.0000 | 0.0000 | 75.198 | 0.47003 | 0.00000 | 789605.1 | 771051.3 | 0.0 | 5 |
| 77.725 | 0.0000 | 0.0000 | 75.197 | 0.46985 | 0.00000 | 789605.1 | 771065.4 | 0.0 | S |
| 77.733 | 0.0000 | 0.0000 | 75.196 | 0.46967 | 0.00000 | 789605.1 | 771079.5 | 0.0 | S |
| 77.742 | 0.0000 | 0.0000 | 75.195 | 0.46949 | 0.00000 | 789605.1 | 771093.6 | 0.0 | S |
| 77.750 | 0.0000 | 0.0000 | 75.194 | 0.46931 | 0.00000 | 789605.1 | 771107.6 | 0.0 | S |
| 77.758 | 0.0000 | 0.0000 | 75.193 | 0.46914 | 0.00000 | 789605.1 | 771121.7 | 0.0 | S |
| 77.767 | 0.0000 | 0.0000 | 75.192 | 0.46896 | 0.00000 | 789605.1 | 771135.8 | 0.0 | S |
| 77.775 | 0.0000 | 0.0000 | 75.191 | 0.46878 | 0.00000 | 789605.1 | 771149.9 | 0.0 | S |
| 77.783 | 0.0000 | 0.0000 | 75.190 | 0.46860 | 0.00000 | 789605.1 | 771163.9 | 0.0 | S |
| 77.792 | 0.0000 | 0.0000 | 75.189 | 0.46842 | 0.00000 | 789605.1 | 771178.0 | 0.0 | S |
| 77.800 | 0.0000 | 0.0000 | 75.188 | 0.46824 | 0.00000 | 789605.1 | 771192.0 | 0.0 | S |
| 77.808 | 0.0000 | 0.0000 | 75.187 | 0.46806 | 0.00000 | 789605.1 | 771206.1 | 0.0 | S |
| 77.817 | 0.0000 | 0.0000 | 75.186 | 0.46788 | 0.00000 | 789605.1 | 771220.1 | 0.0 | S |
| 77.825 | 0.0000 | 0.0000 | 75.185 | 0.46770 | 0.00000 | 789605.1 | 771234.1 | 0.0 | S |
| 77.833 | 0.0000 | 0.0000 | 75.184 | 0.46752 | 0.00000 | 789605.1 | 771248.2 | 0.0 | S |
| 77.842 | 0.0000 | 0.0000 | 75.183 | 0.46735 | 0.00000 | 789605.1 | 771262.2 | 0.0 | S |
| 77.850 | 0.0000 | 0.0000 | 75.182 | 0.46717 | 0.00000 | 789605.1 | 771276.2 | 0.0 | S |
| 77.858 | 0.0000 | 0.0000 | 75.182 | 0.46699 | 0.00000 | 789605.1 | 771290.3 | 0.0 | S |
| 77.867 | 0.0000 | 0.0000 | 75.181 | 0.46681 | 0.00000 | 789605.1 | 771304.3 | 0.0 | S |
| 77.875 | 0.0000 | 0.0000 | 75.180 | 0.46663 | 0.00000 | 789605.1 | 771318.3 | 0.0 | S |
| 77.883 | 0.0000 | 0.0000 | 75.179 | 0.46645 | 0.00000 | 789605.1 | 771332.3 | 0.0 | S |
| 77.892 | 0.0000 | 0.0000 | 75.178 | 0.46627 | 0.00000 | 789605.1 | 771346.2 | 0.0 | S |
| 77.900 | 0.0000 | 0.0000 | 75.177 | 0.46609 | 0.00000 | 789605.1 | 771360.2 | 0.0 | S |
| 77.908 | 0.0000 | 0.0000 | 75.176 | 0.46592 | 0.00000 | 789605.1 | 771374.2 | 0.0 | S |
| 77.917 | 0.0000 | 0.0000 | 75.175 | 0.46574 | 0.00000 | 789605.1 | 771388.1 | 0.0 | S |
| 77.925 | 0.0000 | 0.0000 | 75.174 | 0.46556 | 0.00000 | 789605.1 | 771402.1 | 0.0 | S |
| 77.933 | 0.0000 | 0.0000 | 75.173 | 0.46538 | 0.00000 | 789605.1 | 771416.1 | 0.0 | S |
| 77.942 | 0.0000 | 0.0000 | 75.172 | 0.46520 | 0.00000 | 789605.1 | 771430.1 | 0.0 | S |
| 77.950 | 0.0000 | 0.0000 | 75.171 | 0.46502 | 0.00000 | 789605.1 | 771444.0 | 0.0 | S |
| 77.958 | 0.0000 | 0.0000 | 75.170 | 0.46484 | 0.00000 | 789605.1 | 771457.9 | 0.0 | S |
| 77.967 | 0.0000 | 0.0000 | 75.169 | 0.46467 | 0.00000 | 789605.1 | 771471.9 | 0.0 | S |
| 77.975 | 0.0000 | 0.0000 | 75.168 | 0.46449 | 0.00000 | 789605.1 | 771485.8 | 0.0 | S |
| 77.983 | 0.0000 | 0.0000 | 75.167 | 0.46431 | 0.00000 | 789605.1 | 771499.8 | 0.0 | S |
| 77.992 | 0.0000 | 0.0000 | 75.166 | 0.46413 | 0.00000 | 789605.1 | 771513.7 | 0.0 | S |
| 78.000 | 0.0000 | 0.0000 | 75.165 | 0.46395 | 0.00000 | 789605.1 | 771527.6 | 0.0 | S |
| 78.008 | 0.0000 | 0.0000 | 75.164 | 0.46377 | 0.00000 | 789605.1 | 771541.5 | 0.0 | S |
| 78.017 | 0.0000 | 0.0000 | 75.163 | 0.46359 | 0.00000 | 789605.1 | 771555.4 | 0.0 | S |
| 78.025 | 0.0000 | 0.0000 | 75.162 | 0.46342 | 0.00000 | 789605.1 | 771569.3 | 0.0 | S |
| 78.033 | 0.0000 | 0.0000 | 75.161 | 0.46324 | 0.00000 | 789605.1 | 771583.3 | 0.0 | S |
| 78.042 | 0.0000 | 0.0000 | 75.160 | 0.46306 | 0.00000 | 789605.1 | 771597.1 | 0.0 | S |
| 78.050 | 0.0000 | 0.0000 | 75.159 | 0.46288 | 0.00000 | 789605.1 | 771611.0 | 0.0 | S |
| 78.058 | 0.0000 | 0.0000 | 75.158 | 0.46270 | 0.00000 | 789605.1 | 771624.9 | 0.0 | S |
| 78.067 | 0.0000 | 0.0000 | 75.158 | 0.46252 | 0.00000 | 789605.1 | 771638.8 | 0.0 | S |
| 78.075 | 0.0000 | 0.0000 | 75.157 | 0.46235 | 0.00000 | 789605.1 | 771652.7 | 0.0 | S |
| 78.083 | 0.0000 | 0.0000 | 75.156 | 0.46217 | 0.00000 | 789605.1 | 771666.5 | 0.0 | S |
| 78.092 | 0.0000 | 0.0000 | 75.155 | 0.46199 | 0.00000 | 789605.1 | 771680.4 | 0.0 | S |
| 78.100 | 0.0000 | 0.0000 | 75.154 | 0.46181 | 0.00000 | 789605.1 | 771694.3 | 0.0 | S |
| 78.108 | 0.0000 | 0.0000 | 75.153 | 0.46163 | 0.00000 | 789605.1 | 771708.1 | 0.0 | S |
| 78.117 | 0.0000 | 0.0000 | 75.152 | 0.46145 | 0.00000 | 789605.1 | 771721.9 | 0.0 | S |
| 78.125 | 0.0000 | 0.0000 | 75.151 | 0.46128 | 0.00000 | 789605.1 | 771735.8 | 0.0 | S |
| 78.133 | 0.0000 | 0.0000 | 75.150 | 0.46110 | 0.00000 | 789605.1 | 771749.6 | 0.0 | S |
| 78.142 | 0.0000 | 0.0000 | 75.149 | 0.46092 | 0.00000 | 789605.1 | 771763.4 | 0.0 | S |
| 78.150 | 0.0000 | 0.0000 | 75.148 | 0.46074 | 0.00000 | 789605.1 | 771777.3 | 0.0 | S |
| 78.158 | 0.0000 | 0.0000 | 75.147 | 0.46056 | 0.00000 | 789605.1 | 771791.1 | 0.0 | S |
| 78.167 | 0.0000 | 0.0000 | 75.146 | 0.46038 | 0.00000 | 789605.1 | 771804.9 | 0.0 | S |
| 78.175 | 0.0000 | 0.0000 | 75.145 | 0.46021 | 0.00000 | 789605.1 | 771818.7 | 0.0 | S |
| 78.183 | 0.0000 | 0.0000 | 75.144 | 0.46003 | 0.00000 | 789605.1 | 771832.5 | 0.0 | S |
| 78.192 | 0.0000 | 0.0000 | 75.143 | 0.45985 | 0.00000 | 789605.1 | 771846.3 | 0.0 | S |
| 78.200 | 0.0000 | 0.0000 | 75.142 | 0.45967 | 0.00000 | 789605.1 | 771860.1 | 0.0 | 5 |
| 78.208 | 0.0000 | 0.0000 | 75.141 | 0.45949 | 0.00000 | 789605.1 | 771873.9 | 0.0 | S |
| 78.217 | 0.0000 | 0.0000 | 75.140 | 0.45932 | 0.00000 | 789605.1 | 771887.7 | 0.0 | S |
| 78.225 | 0.0000 | 0.0000 | 75.139 | 0.45914 | 0.00000 | 789605.1 | 771901.4 | 0.0 | S |
| 78.233 | 0.0000 | 0.0000 | 75.138 | 0.45896 | 0.00000 | 789605.1 | 771915.3 | 0.0 | S |
| 78.242 | 0.0000 | 0.0000 | 75.137 | 0.45878 | 0.00000 | 789605.1 | 771929.0 | 0.0 | S |
| 78.250 | 0.0000 | 0.0000 | 75.136 | 0.45860 | 0.00000 | 789605.1 | 771942.8 | 0.0 | S |
| 78.258 | 0.0000 | 0.0000 | 75.135 | 0.45842 | 0.00000 | 789605.1 | 771956.5 | 0.0 | S |
| 78.267 | 0.0000 | 0.0000 | 75.134 | 0.45825 | 0.00000 | 789605.1 | 771970.3 | 0.0 | S |
| 78.275 | 0.0000 | 0.0000 | 75.133 | 0.45807 | 0.00000 | 789605.1 | 771984.0 | 0.0 | S |
| 78.283 | 0.0000 | 0.0000 | 75.132 | 0.45789 | 0.00000 | 789605.1 | 771997.8 | 0.0 | S |
| 78.292 | 0.0000 | 0.0000 | 75.132 | 0.45771 | 0.00000 | 789605.1 | 772011.5 | 0.0 | S |
| 78.300 | 0.0000 | 0.0000 | 75.131 | 0.45753 | 0.00000 | 789605.1 | 772025.2 | 0.0 | S |
| 78.308 | 0.0000 | 0.0000 | 75.130 | 0.45736 | 0.00000 | 789605.1 | 772038.9 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 5100 yr / 24 hr

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (fl datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative inflow <br> Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 78.317 | 0.0000 | 0.0000 | 75.129 | 0.45718 | 0.00000 | 789605.1 | 772052.6 | 0.0 | S |
| 78.325 | 0.0000 | 0.0000 | 75.128 | 0.45700 | 0.00000 | 789605.1 | 772066.4 | 0.0 | S |
| 78.333 | 0.0000 | 0.0000 | 75.127 | 0.45682 | 0.00000 | 789605.1 | 772080.1 | 0.0 | S |
| 78.342 | 0.0000 | 0.0000 | 75.126 | 0.45664 | 0.00000 | 789605.1 | 772093.8 | 0.0 | S |
| 78.350 | 0.0000 | 0.0000 | 75.125 | 0.45647 | 0.00000 | 789605.1 | 772107.5 | 0.0 | S |
| 78.358 | 0.0000 | 0.0000 | 75.124 | 0.45629 | 0.00000 | 789605.1 | 772121.2 | 0.0 | S |
| 78.367 | 0.0000 | 0.0000 | 75.123 | 0.45611 | 0.00000 | 789605.1 | 772134.9 | 0.0 | S |
| 78.375 | 0.0000 | 0.0000 | 75.122 | 0.45593 | 0.00000 | 789605.1 | 772148.5 | 0.0 | S |
| 78.383 | 0.0000 | 0.0000 | 75.121 | 0.45576 | 0.00000 | 789605.1 | 772162.2 | 0.0 | S |
| 78.392 | 0.0000 | 0.0000 | 75.120 | 0.45558 | 0.00000 | 789605.1 | 772175.9 | 0.0 | S |
| 78.400 | 0.0000 | 0.0000 | 75.119 | 0.45540 | 0.00000 | 789605.1 | 772189.6 | 0.0 | S |
| 78.408 | 0.0000 | 0.0000 | 75.118 | 0.45522 | 0.00000 | 789605.1 | 772203.2 | 0.0 | S |
| 78.417 | 0.0000 | 0.0000 | 75.117 | 0.45504 | 0.00000 | 789605.1 | 772216.9 | 0.0 | S |
| 78.425 | 0.0000 | 0.0000 | 75.116 | 0.45487 | 0.00000 | 789605.1 | 772230.5 | 0.0 | S |
| 78.433 | 0.0000 | 0.0000 | 75.115 | 0.45469 | 0.00000 | 789605.1 | 772244.1 | 0.0 | S |
| 78.442 | 0.0000 | 0.0000 | 75.114 | 0.45451 | 0.00000 | 789605.1 | 772257.8 | 0.0 | S |
| 78.450 | 0.0000 | 0.0000 | 75.113 | 0.45433 | 0.00000 | 789605.1 | 772271.4 | 0.0 | S |
| 78.458 | 0.0000 | 0.0000 | 75.112 | 0.45415 | 0.00000 | 789605.1 | 772285.1 | 0.0 | S |
| 78.467 | 0.0000 | 0.0000 | 75.111 | 0.45398 | 0.00000 | 789605.1 | 772298.7 | 0.0 | S |
| 78.475 | 0.0000 | 0.0000 | 75.110 | 0.45380 | 0.00000 | 789605.1 | 772312.3 | 0.0 | S |
| 78.483 | 0.0000 | 0.0000 | 75.109 | 0.45362 | 0.00000 | 789605.1 | 772325.9 | 0.0 | S |
| 78.492 | 0.0000 | 0.0000 | 75.108 | 0.45344 | 0.00000 | 789605.1 | 772339.5 | 0.0 | S |
| 78.500 | 0.0000 | 0.0000 | 75.107 | 0.45327 | 0.00000 | 789605.1 | 772353.1 | 0.0 | S |
| 78.508 | 0.0000 | 0.0000 | 75.106 | 0.45309 | 0.00000 | 789605.1 | 772366.7 | 0.0 | S |
| 78.517 | 0.0000 | 0.0000 | 75.105 | 0.45291 | 0.00000 | 789605.1 | 772380.3 | 0.0 | S |
| 78.525 | 0.0000 | 0.0000 | 75.105 | 0.45273 | 0.00000 | 789605.1 | 772393.9 | 0.0 | S |
| 78.533 | 0.0000 | 0.0000 | 75.104 | 0.45256 | 0.00000 | 789605.1 | 772407.4 | 0.0 | S |
| 78.542 | 0.0000 | 0.0000 | 75.103 | 0.45238 | 0.00000 | 789605.1 | 772421.0 | 0.0 | S |
| 78.550 | 0.0000 | 0.0000 | 75.102 | 0.45220 | 0.00000 | 789605.1 | 772434.6 | 0.0 | S |
| 78.558 | 0.0000 | 0.0000 | 75.101 | 0.45202 | 0.00000 | 789605.1 | 772448.1 | 0.0 | S |
| 78.567 | 0.0000 | 0.0000 | 75.100 | 0.45185 | 0.00000 | 789605.1 | 772461.7 | 0.0 | S |
| 78.575 | 0.0000 | 0.0000 | 75.099 | 0.45167 | 0.00000 | 789605.1 | 772475.3 | 0.0 | S |
| 78.583 | 0.0000 | 0.0000 | 75.098 | 0.45149 | 0.00000 | 789605.1 | 772488.8 | 0.0 | S |
| 78.592 | 0.0000 | 0.0000 | 75.097 | 0.45131 | 0.00000 | 789605.1 | 772502.4 | 0.0 | S |
| 78.600 | 0.0000 | 0.0000 | 75.096 | 0.45113 | 0.00000 | 789605.1 | 772515.9 | 0.0 | S |
| 78.608 | 0.0000 | 0.0000 | 75.095 | 0.45096 | 0.00000 | 789605.1 | 772529.4 | 0.0 | S |
| 78.617 | 0.0000 | 0.0000 | 75.094 | 0.45078 | 0.00000 | 789605.1 | 772542.9 | 0.0 | S |
| 78.625 | 0.0000 | 0.0000 | 75.093 | 0.45060 | 0.00000 | 789605.1 | 772556.4 | 0.0 | S |
| 78.633 | 0.0000 | 0.0000 | 75.092 | 0.45042 | 0.00000 | 789605.1 | 772570.0 | 0.0 | S |
| 78.642 | 0.0000 | 0.0000 | 75.091 | 0.45025 | 0.00000 | 789605.1 | 772583.5 | 0.0 | S |
| 78.650 | 0.0000 | 0.0000 | 75.090 | 0.45007 | 0.00000 | 789605.1 | 772597.0 | 0.0 | S |
| 78.658 | 0.0000 | 0.0000 | 75.089 | 0.44989 | 0.00000 | 789605.1 | 772610.5 | 0.0 | S |
| 78.667 | 0.0000 | 0.0000 | 75.088 | 0.44972 | 0.00000 | 789605.1 | 772624.0 | 0.0 | S |
| 78.675 | 0.0000 | 0.0000 | 75.087 | 0.44954 | 0.00000 | 789605.1 | 772637.5 | 0.0 | S |
| 78.683 | 0.0000 | 0.0000 | 75.086 | 0.44936 | 0.00000 | 789605.1 | 772650.9 | 0.0 | S |
| 78.692 | 0.0000 | 0.0000 | 75.085 | 0.44918 | 0.00000 | 789605.1 | 772664.4 | 0.0 | S |
| 78.700 | 0.0000 | 0.0000 | 75.084 | 0.44901 | 0.00000 | 789605.1 | 772677.9 | 0.0 | S |
| 78.708 | 0.0000 | 0.0000 | 75.083 | 0.44883 | 0.00000 | 789605.1 | 772691.4 | 0.0 | S |
| 78.717 | 0.0000 | 0.0000 | 75.082 | 0.44865 | 0.00000 | 789605.1 | 772704.9 | 0.0 | S |
| 78.725 | 0.0000 | 0.0000 | 75.081 | 0.44847 | 0.00000 | 789605.1 | 772718.3 | 0.0 | S |
| 78.733 | 0.0000 | 0.0000 | 75.080 | 0.44830 | 0.00000 | 789605.1 | 772731.8 | 0.0 | S |
| 78.742 | 0.0000 | 0.0000 | 75.079 | 0.44812 | 0.00000 | 789605.1 | 772745.2 | 0.0 | S |
| 78.750 | 0.0000 | 0.0000 | 75.078 | 0.44794 | 0.00000 | 789605.1 | 772758.6 | 0.0 | S |
| 78.758 | 0.0000 | 0.0000 | 75.077 | 0.44776 | 0.00000 | 789605.1 | 772772.1 | 0.0 | S |
| 78.767 | 0.0000 | 0.0000 | 75.077 | 0.44759 | 0.00000 | 789605.1 | 772785.5 | 0.0 | S |
| 78.775 | 0.0000 | 0.0000 | 75.076 | 0.44741 | 0.00000 | 789605.1 | 772798.9 | 0.0 | S |
| 78.783 | 0.0000 | 0.0000 | 75.075 | 0.44723 | 0.00000 | 789605.1 | 772812.4 | 0.0 | S |
| 78.792 | 0.0000 | 0.0000 | 75.074 | 0.44705 | 0.00000 | 789605.1 | 772825.8 | 0.0 | S |
| 78.800 | 0.0000 | 0.0000 | 75.073 | 0.44688 | 0.00000 | 789605.1 | 772839.2 | 0.0 | S |
| 78.808 | 0.0000 | 0.0000 | 75.072 | 0.44670 | 0.00000 | 789605.1 | 772852.6 | 0.0 | S |
| 78.817 | 0.0000 | 0.0000 | 75.071 | 0.44652 | 0.00000 | 789605.1 | 772866.0 | 0.0 | S |
| 78.825 | 0.0000 | 0.0000 | 75.070 | 0.44635 | 0.00000 | 789605.1 | 772879.4 | 0.0 | S |
| 78.833 | 0.0000 | 0.0000 | 75.069 | 0.44617 | 0.00000 | 789605.1 | 772892.8 | 0.0 | S |
| 78.842 | 0.0000 | 0.0000 | 75.068 | 0.44599 | 0.00000 | 789605.1 | 772906.1 | 0.0 | S |
| 78.850 | 0.0000 | 0.0000 | 75.067 | 0.44581 | 0.00000 | 789605.1 | 772919.5 | 0.0 | S |
| 78.858 | 0.0000 | 0.0000 | 75.066 | 0.44564 | 0.00000 | 789605.1 | 772932.9 | 0.0 | S |
| 78.867 | 0.0000 | 0.0000 | 75.065 | 0.44546 | 0.00000 | 789605.1 | 772946.3 | 0.0 | S |
| 78.875 | 0.0000 | 0.0000 | 75.064 | 0.44528 | 0.00000 | 789605.1 | 772959.6 | 0.0 | S |
| 78.883 | 0.0000 | 0.0000 | 75.063 | 0.44511 | 0.00000 | 789605.1 | 772973.0 | 0.0 | S |
| 78.892 | 0.0000 | 0.0000 | 75.062 | 0.44493 | 0.00000 | 789605.1 | 772986.3 | 0.0 | S |
| 78.900 | 0.0000 | 0.0000 | 75.061 | 0.44475 | 0.00000 | 789605.1 | 772999.7 | 0.0 | S |
| 78.908 | 0.0000 | 0.0000 | 75.060 | 0.44457 | 0.00000 | 789605.1 | 773013.0 | 0.0 | S |
| 78.917 | 0.0000 | 0.0000 | 75.059 | 0.44440 | 0.00000 | 789605.1 | 773026.3 | 0.0 | S |
| 78.925 | 0.0000 | 0.0000 | 75.058 | 0.44422 | 0.00000 | 789605.1 | 773039.7 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 5100 yr / 24 hr

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{tt}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft} 3 / \mathrm{s}$ ) | Overliow Discharge ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ff}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 78.933 | 0.0000 | 0.0000 | 75.057 | 0.44404 | 0.00000 | 789605.1 | 773053.0 | 0.0 | S |
| 78.942 | 0.0000 | 0.0000 | 75.056 | 0.44387 | 0.00000 | 789605.1 | 773066.3 | 0.0 | S |
| 78.950 | 0.0000 | 0.0000 | 75.055 | 0.44369 | 0.00000 | 789605.1 | 773079.6 | 0.0 | S |
| 78.958 | 0.0000 | 0.0000 | 75.054 | 0.44351 | 0.00000 | 789605.1 | 773092.9 | 0.0 | S |
| 78.967 | 0.0000 | 0.0000 | 75.053 | 0.44333 | 0.00000 | 789605.1 | 773106.3 | 0.0 | S |
| 78.975 | 0.0000 | 0.0000 | 75.052 | 0.44316 | 0.00000 | 789605.1 | 773119.6 | 0.0 | S |
| 78.983 | 0.0000 | 0.0000 | 75.051 | 0.44298 | 0.00000 | 789605.1 | 773132.8 | 0.0 | S |
| 78.992 | 0.0000 | 0.0000 | 75.050 | 0.44280 | 0.00000 | 789605.1 | 773146.1 | 0.0 | S |
| 79.000 | 0.0000 | 0.0000 | 75.049 | 0.44263 | 0.00000 | 789605.1 | 773159.4 | 0.0 | S |
| 79.008 | 0.0000 | 0.0000 | 75.048 | 0.44245 | 0.00000 | 789605.1 | 773172.7 | 0.0 | S |
| 79.017 | 0.0000 | 0.0000 | 75.048 | 0.44227 | 0.00000 | 789605.1 | 773185.9 | 0.0 | S |
| 79.025 | 0.0000 | 0.0000 | 75.047 | 0.44210 | 0.00000 | 789605.1 | 773199.2 | 0.0 | S |
| 79.033 | 0.0000 | 0.0000 | 75.046 | 0.44192 | 0.00000 | 789605.1 | 773212.4 | 0.0 | S |
| 79.042 | 0.0000 | 0.0000 | 75.045 | 0.44174 | 0.00000 | 789605.1 | 773225.8 | 0.0 | S |
| 79.050 | 0.0000 | 0.0000 | 75.044 | 0.44156 | 0.00000 | 789605.1 | 773239.0 | 0.0 | S |
| 79.058 | 0.0000 | 0.0000 | 75.043 | 0.44139 | 0.00000 | 789605.1 | 773252.2 | 0.0 | S |
| 79.067 | 0.0000 | 0.0000 | 75.042 | 0.44121 | 0.00000 | 789605.1 | 773265.4 | 0.0 | S |
| 79.075 | 0.0000 | 0.0000 | 75.041 | 0.44103 | 0.00000 | 789605.1 | 773278.7 | 0.0 | S |
| 79.083 | 0.0000 | 0.0000 | 75.040 | 0.44086 | 0.00000 | 789605.1 | 773291.9 | 0.0 | S |
| 79.092 | 0.0000 | 0.0000 | 75.039 | 0.44068 | 0.00000 | 789605.1 | 773305.1 | 0.0 | S |
| 79.100 | 0.0000 | 0.0000 | 75.038 | 0.44050 | 0.00000 | 789605.1 | 773318.4 | 0.0 | S |
| 79.108 | 0.0000 | 0.0000 | 75.037 | 0.44033 | 0.00000 | 789605.1 | 773331.6 | 0.0 | S |
| 79.117 | 0.0000 | 0.0000 | 75.036 | 0.44015 | 0.00000 | 789605.1 | 773344.8 | 0.0 | S |
| 79.125 | 0.0000 | 0.0000 | 75.035 | 0.43997 | 0.00000 | 789605.1 | 773358.0 | 0.0 | S |
| 79,133 | 0.0000 | 0.0000 | 75.034 | 0.43980 | 0.00000 | 789605.1 | 773371.2 | 0.0 | S |
| 79.142 | 0.0000 | 0.0000 | 75.033 | 0.43962 | 0.00000 | 789605.1 | 773384.4 | 0.0 | S |
| 79.150 | 0.0000 | 0.0000 | 75.032 | 0.43944 | 0.00000 | 789605.1 | 773397.6 | 0.0 | S |
| 79.158 | 0.0000 | 0.0000 | 75.031 | 0.43927 | 0.00000 | 789605.1 | 773410.8 | 0.0 | S |
| 79.167 | 0.0000 | 0.0000 | 75.030 | 0.43909 | 0.00000 | 789605.1 | 773423.9 | 0.0 | S |
| 79.175 | 0.0000 | 0.0000 | 75.029 | 0.43891 | 0.00000 | 789605.1 | 773437.1 | 0.0 | S |
| 79.183 | 0.0000 | 0.0000 | 75.028 | 0.43874 | 0.00000 | 789605.1 | 773450.3 | 0.0 | S |
| 79.192 | 0.0000 | 0.0000 | 75.027 | 0.43856 | 0.00000 | 789605.1 | 773463.4 | 0.0 | S |
| 79.200 | 0.0000 | 0.0000 | 75.026 | 0.43838 | 0.00000 | 789605.1 | 773476.6 | 0.0 | S |
| 79.208 | 0.0000 | 0.0000 | 75.025 | 0.43820 | 0.00000 | 789605.1 | 773489.7 | 0.0 | S |
| 79.217 | 0.0000 | 0.0000 | 75.024 | 0.43803 | 0.00000 | 789605.1 | 773502.9 | 0.0 | S |
| 79.225 | 0.0000 | 0.0000 | 75.023 | 0.43785 | 0.00000 | 789605.1 | 773516.0 | 0.0 | S |
| 79.233 | 0.0000 | 0.0000 | 75.022 | 0.43767 | 0.00000 | 789605.1 | 773529.1 | 0.0 | S |
| 79.242 | 0.0000 | 0.0000 | 75.021 | 0.43750 | 0.00000 | 789605.7 | 773542.3 | 0.0 | S |
| 79.250 | 0.0000 | 0.0000 | 75.020 | 0.43732 | 0.00000 | 789605.1 | 773555.4 | 0.0 | S |
| 79.258 | 0.0000 | 0.0000 | 75.019 | 0.43714 | 0.00000 | 789605.1 | 773568.5 | 0.0 | S |
| 79.267 | 0.0000 | 0.0000 | 75.018 | 0.43697 | 0.00000 | 789605.1 | 773581.6 | 0.0 | S |
| 79.275 | 0.0000 | 0.0000 | 75.017 | 0.43679 | 0.00000 | 789605.1 | 773594.7 | 0.0 | S |
| 79.283 | 0.0000 | 0.0000 | 75.016 | 0.43661 | 0.00000 | 789605.1 | 773607.8 | 0.0 | S |
| 79.292 | 0.0000 | 0.0000 | 75.016 | 0.43644 | 0.00000 | 789605.1 | 773620.9 | 0.0 | S |
| 79.300 | 0.0000 | 0.0000 | 75.015 | 0.43626 | 0.00000 | 789605.1 | 773634.0 | 0.0 | S |
| 79.308 | 0.0000 | 0.0000 | 75.014 | 0.43608 | 0.00000 | 789605.1 | 773647.1 | 0.0 | S |
| 79.317 | 0.0000 | 0.0000 | 75.013 | 0.43591 | 0.00000 | 789605.1 | 773660.2 | 0.0 | S |
| 79.325 | 0.0000 | 0.0000 | 75.012 | 0.43573 | 0.00000 | 789605.1 | 773673.3 | 0.0 | S |
| 79.333 | 0.0000 | 0.0000 | 75.011 | 0.43555 | 0.00000 | 789605.1 | 773686.3 | 0.0 | S |
| 79.342 | 0.0000 | 0.0000 | 75.010 | 0.43538 | 0.00000 | 789605.1 | 773699.4 | 0.0 | S |
| 79.350 | 0.0000 | 0.0000 | 75.009 | 0.43520 | 0.00000 | 789605.1 | 773712.4 | 0.0 | S |
| 79.358 | 0.0000 | 0.0000 | 75.008 | 0.43502 | 0.00000 | 789605.1 | 773725.5 | 0.0 | S |
| 79.367 | 0.0000 | 0.0000 | 75.007 | 0.43485 | 0.00000 | 789605.1 | 773738.5 | 0.0 | S |
| 79.375 | 0.0000 | 0.0000 | 75.006 | 0.43467 | 0.00000 | 789605.1 | 773751.6 | 0.0 | S |
| 79.383 | 0.0000 | 0.0000 | 75.005 | 0.43449 | 0.00000 | 789605.1 | 773764.6 | 0.0 | S |
| 79.392 | 0.0000 | 0.0000 | 75.004 | 0.43432 | 0.00000 | 789605.1 | 773777.6 | 0.0 | S |
| 79.400 | 0.0000 | 0.0000 | 75.003 | 0.43414 | 0.00000 | 789605.1 | 773790.7 | 0.0 | S |
| 79.408 | 0.0000 | 0.0000 | 75.002 | 0.43396 | 0.00000 | 789605.1 | 773803.7 | 0.0 | S |
| 79.417 | 0.0000 | 0.0000 | 75.001 | 0.43379 | 0.00000 | 789605.1 | 773816.7 | 0.0 | S |
| 79.425 | 0.0000 | 0.0000 | 75.000 | 0.43361 | 0.00000 | 789605.1 | 773829.7 | 0.0 | S |
| 79.433 | 0.0000 | 0.0000 | 74.999 | 0.43343 | 0.00000 | 789605.1 | 773842.8 | 0.0 | S |
| 79.442 | 0.0000 | 0.0000 | 74.998 | 0.43325 | 0.00000 | 789605.1 | 773855.8 | 0.0 | S |
| 79.450 | 0.0000 | 0.0000 | 74.997 | 0.43307 | 0.00000 | 789605.1 | 773868.7 | 0.0 | S |
| 79.458 | 0.0000 | 0.0000 | 74.996 | 0.43289 | 0.00000 | 789605.1 | 773881.7 | 0.0 | S |
| 79.467 | 0.0000 | 0.0000 | 74.995 | 0.43271 | 0.00000 | 789605.1 | 773894.7 | 0.0 | S |
| 79.475 | 0.0000 | 0.0000 | 74.994 | 0.43253 | 0.00000 | 789605.1 | 773907.7 | 0.0 | S |
| 79.483 | 0.0000 | 0.0000 | 74.993 | 0.43235 | 0.00000 | 789605.1 | 773920.6 | 0.0 | S |
| 79.492 | 0.0000 | 0.0000 | 74.992 | 0.43217 | 0.00000 | 789605.1 | 773933.6 | 0.0 | S |
| 79.500 | 0.0000 | 0.0000 | 74.991 | 0.43199 | 0.00000 | 789605.1 | 773946.6 | 0.0 | S |
| 79.508 | 0.0000 | 0.0000 | 74.990 | 0.43181 | 0.00000 | 789605.1 | 773959.5 | 0.0 | S |
| 79.517 | 0.0000 | 0.0000 | 74.989 | 0.43163 | 0.00000 | 789605.1 | 773972.5 | 0.0 | S |
| 79.525 | 0.0000 | 0.0000 | 74.988 | 0.43145 | 0.00000 | 789605.1 | 773985.4 | 0.0 | S |
| 79.533 | 0.0000 | 0.0000 | 74.987 | 0.43127 | 0.00000 | 789605.1 | 773998.4 | 0.0 | S |
| 79.542 | 0.0000 | 0.0000 | 74.986 | 0.43109 | 0.00000 | 789605.1 | 774011.3 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.

## Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | inflow Rate (ftys) | Outside Recharge ( $\mathrm{f} / \mathrm{d}$ day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 79.550 | 0.0000 | 0.0000 | 74.985 | 0.43090 | 0.00000 | 789605.1 | 774024.3 | 0.0 | S |
| 79.558 | 0.0000 | 0.0000 | 74.984 | 0.43072 | 0.00000 | 789605.1 | 774037.1 | 0.0 | S |
| 79,567 | 0.0000 | 0.0000 | 74.983 | 0.43054 | 0.00000 | 789605.1 | 774050.1 | 0.0 | S |
| 79.575 | 0.0000 | 0.0000 | 74.982 | 0.43036 | 0.00000 | 789605.1 | 774063.0 | 0.0 | S |
| 79.583 | 0.0000 | 0.0000 | 74.981 | 0.43018 | 0.00000 | 789605.1 | 774075.9 | 0.0 | S |
| 79.592 | 0.0000 | 0.0000 | 74.981 | 0.42999 | 0.00000 | 789605.1 | 774088.8 | 0.0 | S |
| 79.600 | 0.0000 | 0.0000 | 74.980 | 0.42981 | 0.00000 | 789605.1 | 774101.7 | 0.0 | S |
| 79.608 | 0.0000 | 0.0000 | 74.979 | 0.42963 | 0.00000 | 789605.1 | 774114.6 | 0.0 | S |
| 79.617 | 0.0000 | 0.0000 | 74.978 | 0.42944 | 0.00000 | 789605.1 | 774127.5 | 0.0 | S |
| 79.625 | 0.0000 | 0.0000 | 74.977 | 0.42926 | 0.00000 | 789605.1 | 774140.4 | 0.0 | S |
| 79.633 | 0.0000 | 0.0000 | 74.976 | 0.42908 | 0.00000 | 789605.1 | 774153.3 | 0.0 | S |
| 79.642 | 0.0000 | 0.0000 | 74.975 | 0.42889 | 0.00000 | 789605.1 | 774166.1 | 0.0 | S |
| 79.650 | 0.0000 | 0.0000 | 74.974 | 0.42871 | 0.00000 | 789605.1 | 774178.9 | 0.0 | S |
| 79.658 | 0.0000 | 0.0000 | 74.973 | 0.42852 | 0.00000 | 789605.1 | 774191.8 | 0.0 | S |
| 79.667 | 0.0000 | 0.0000 | 74.972 | 0.42834 | 0.00000 | 789605.1 | 774204.7 | 0.0 | S |
| 79.675 | 0.0000 | 0.0000 | 74.971 | 0.42816 | 0.00000 | 789605.1 | 774217.5 | 0.0 | S |
| 79.683 | 0.0000 | 0.0000 | 74.970 | 0.42797 | 0.00000 | 789605.1 | 774230.4 | 0.0 | S |
| 79.692 | 0.0000 | 0.0000 | 74.969 | 0.42779 | 0.00000 | 789605.1 | 774243.2 | 0.0 | S |
| 79.700 | 0.0000 | 0.0000 | 74.968 | 0.42760 | 0.00000 | 789605.1 | 774256.0 | 0.0 | S |
| 79.708 | 0.0000 | 0.0000 | 74.967 | 0.42742 | 0.00000 | 789605.1 | 774268.9 | 0.0 | S |
| 79.717 | 0.0000 | 0.0000 | 74.966 | 0.42723 | 0.00000 | 789605.1 | 774281.7 | 0.0 | S |
| 79.725 | 0.0000 | 0.0000 | 74.965 | 0.42705 | 0.00000 | 789605.1 | 774294.5 | 0.0 | S |
| 79.733 | 0.0000 | 0.0000 | 74.964 | 0.42686 | 0.00000 | 789605.1 | 774307.3 | 0.0 | S |
| 79.742 | 0.0000 | 0.0000 | 74.963 | 0.42668 | 0.00000 | 789605.1 | 774320.1 | 0.0 | S |
| 79.750 | 0.0000 | 0.0000 | 74.962 | 0.42649 | 0.00000 | 789605.1 | 774332.9 | 0.0 | S |
| 79.758 | 0.0000 | 0.0000 | 74.961 | 0.42631 | 0.00000 | 789605.1 | 774345.7 | 0.0 | S |
| 79.767 | 0.0000 | 0.0000 | 74.960 | 0.42612 | 0.00000 | 789605.1 | 774358.5 | 0.0 | S |
| 79.775 | 0.0000 | 0.0000 | 74.959 | 0.42593 | 0.00000 | 789605.1 | 774371.3 | 0.0 | S |
| 79.783 | 0.0000 | 0.0000 | 74.958 | 0.42575 | 0.00000 | 789605.1 | 774384.1 | 0.0 | S |
| 79.792 | 0.0000 | 0.0000 | 74.957 | 0.42556 | 0.00000 | 789605.1 | 774396.8 | 0.0 | S |
| 79.800 | 0.0000 | 0.0000 | 74.956 | 0.42538 | 0.00000 | 789605.1 | 774409.6 | 0.0 | S |
| 79.808 | 0.0000 | 0.0000 | 74.955 | 0.42519 | 0.00000 | 789605.1 | 774422.3 | 0.0 | S |
| 79.817 | 0.0000 | 0.0000 | 74.954 | 0.42500 | 0.00000 | 789605.1 | 774435.1 | 0.0 | S |
| 79.825 | 0.0000 | 0.0000 | 74.953 | 0.42482 | 0.00000 | 789605.1 | 774447.8 | 0.0 | S |
| 79.833 | 0.0000 | 0.0000 | 74.952 | 0.42463 | 0.00000 | 789605.1 | 774460.6 | 0.0 | S |
| 79.842 | 0.0000 | 0.0000 | 74.951 | 0.42444 | 0.00000 | 789605.1 | 774473.3 | 0.0 | S |
| 79.850 | 0.0000 | 0.0000 | 74.950 | 0.42426 | 0.00000 | 789605.1 | 774486.1 | 0.0 | S |
| 79.858 | 0.0000 | 0.0000 | 74.949 | 0.42407 | 0.00000 | 789605.1 | 774498.8 | 0.0 | S |
| 79.867 | 0.0000 | 0.0000 | 74.948 | 0.42388 | 0.00000 | 789605.1 | 774511.5 | 0.0 | S |
| 79.875 | 0.0000 | 0.0000 | 74.947 | 0.42370 | 0.00000 | 789605.1 | 774524.2 | 0.0 | S |
| 79.883 | 0.0000 | 0.0000 | 74.946 | 0.42351 | 0.00000 | 789605.1 | 774536.9 | 0.0 | S |
| 79.892 | 0.0000 | 0.0000 | 74.945 | 0.42332 | 0.00000 | 789605.1 | 774549.6 | 0.0 | S |
| 79.900 | 0.0000 | 0.0000 | 74.944 | 0.42314 | 0.00000 | 789605.1 | 774562.3 | 0.0 | S |
| 79.908 | 0.0000 | 0.0000 | 74.943 | 0.42295 | 0.00000 | 789605.1 | 774575.0 | 0.0 | S |
| 79.917 | 0.0000 | 0.0000 | 74.942 | 0.42276 | 0.00000 | 789605.1 | 774587.7 | 0.0 | S |
| 79.925 | 0.0000 | 0.0000 | 74.941 | 0.42257 | 0.00000 | 789605.1 | 774600.4 | 0.0 | S |
| 79.933 | 0.0000 | 0.0000 | 74.940 | 0.42239 | 0.00000 | 789605.1 | 774613.1 | 0.0 | S |
| 79.942 | 0.0000 | 0.0000 | 74.939 | 0.42220 | 0.00000 | 789605.1 | 774625.7 | 0.0 | S |
| 79.950 | 0.0000 | 0.0000 | 74.938 | 0.42201 | 0.00000 | 789605.1 | 774638.4 | 0.0 | S |
| 79.958 | 0.0000 | 0.0000 | 74.937 | 0.42182 | 0.00000 | 789605.1 | 774651.0 | 0.0 | S |
| 79.967 | 0.0000 | 0.0000 | 74.936 | 0.42163 | 0.00000 | 789605.1 | 774663.7 | 0.0 | S |
| 79.975 | 0.0000 | 0.0000 | 74.935 | 0.42145 | 0.00000 | 789605.1 | 774676.3 | 0.0 | S |
| 79.983 | 0.0000 | 0.0000 | 74.934 | 0.42126 | 0.00000 | 789605.1 | 774688.9 | 0.0 | S |
| 79.992 | 0.0000 | 0.0000 | 74.933 | 0.42107 | 0.00000 | 789605.1 | 774701.6 | 0.0 | S |
| 80.000 | 0.0000 | 0.0000 | 74.932 | 0.42088 | 0.00000 | 789605.1 | 774714.3 | 0.0 | S |
| 80.008 | 0.0000 | 0.0000 | 74.931 | 0.42069 | 0.00000 | 789605.1 | 774726.9 | 0.0 | S |
| 80.017 | 0.0000 | 0.0000 | 74.930 | 0.42050 | 0.00000 | 789605.1 | 774739.4 | 0.0 | S |
| 80.025 | 0.0000 | 0.0000 | 74.929 | 0.42032 | 0.00000 | 789605.1 | 774752.1 | 0.0 | S |
| 80.033 | 0.0000 | 0.0000 | 74.929 | 0.42013 | 0.00000 | 789605.1 | 774764.7 | 0.0 | S |
| 80.042 | 0.0000 | 0.0000 | 74.928 | 0.41994 | 0.00000 | 789605.1 | 774777.3 | 0.0 | S |
| 80.050 | 0.0000 | 0.0000 | 74.927 | 0.41975 | 0.00000 | 789605.1 | 774789.9 | 0.0 | S |
| 80.058 | 0.0000 | 0.0000 | 74.926 | 0.41956 | 0.00000 | 789605.1 | 774802.5 | 0.0 | S |
| 80.067 | 0.0000 | 0.0000 | 74.925 | 0.41937 | 0.00000 | 789605.1 | 774815.1 | 0.0 | S |
| 80.075 | 0.0000 | 0.0000 | 74.924 | 0.41918 | 0.00000 | 789605.1 | 774827.6 | 0.0 | S |
| 80.083 | 0.0000 | 0.0000 | 74.923 | 0.41899 | 0.00000 | 789605.1 | 774840.2 | 0.0 | S |
| 80.092 | 0.0000 | 0.0000 | 74.922 | 0.41880 | 0.00000 | 789605.1 | 774852.8 | 0.0 | S |
| 80.100 | 0.0000 | 0.0000 | 74.921 | 0.41861 | 0.00000 | 789605.1 | 774865.3 | 0.0 | S |
| 80.108 | 0.0000 | 0.0000 | 74.920 | 0.41842 | 0.00000 | 789605.1 | 774877.9 | 0.0 | S |
| 80.117 | 0.0000 | 0.0000 | 74.919 | 0.41823 | 0.00000 | 789605.1 | 774890.4 | 0.0 | S |
| 80.125 | 0.0000 | 0.0000 | 74.918 | 0.41804 | 0.00000 | 789605.1 | 774903.0 | 0.0 | S |
| 80.133 | 0.0000 | 0.0000 | 74.917 | 0.41785 | 0.00000 | 789605.1 | 774915.5 | 0.0 | S |
| 80.142 | 0.0000 | 0.0000 | 74.916 | 0.41766 | 0.00000 | 789605.1 | 774928.1 | 0.0 | S |
| 80.150 | 0.0000 | 0.0000 | 74.915 | 0.41747 | 0.00000 | 789605.1 | 774940.6 | 0.0 | S |
| 80.158 | 0.0000 | 0.0000 | 74.914 | 0.41728 | 0.00000 | 789605.1 | 774953.1 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Overtow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{t}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | $\begin{aligned} & \text { Flow } \\ & \text { Type } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 80.167 | 0.0000 | 0.0000 | 74.913 | 0.41709 | 0.00000 | 789605.1 | 774965.6 | 0.0 | S |
| 80.175 | 0.0000 | 0.0000 | 74.912 | 0.41690 | 0.00000 | 789605.1 | 774978.1 | 0.0 | S |
| 80.183 | 0.0000 | 0.0000 | 74.911 | 0.41671 | 0.00000 | 789605.1 | 774990.6 | 0.0 | S |
| 80.192 | 0.0000 | 0.0000 | 74.910 | 0.41652 | 0.00000 | 789605.1 | 775003.1 | 0.0 | S |
| 80.200 | 0.0000 | 0.0000 | 74.909 | 0.41633 | 0.00000 | 789605.1 | 775015.6 | 0.0 | S |
| 80.208 | 0.0000 | 0.0000 | 74.908 | 0.41614 | 0.00000 | 789605.1 | 775028.1 | 0.0 | S |
| 80.217 | 0.0000 | 0.0000 | 74.907 | 0.41595 | 0.00000 | 789605.1 | 775040.6 | 0.0 | S |
| 80.225 | 0.0000 | 0.0000 | 74.906 | 0.41576 | 0.00000 | 789605.1 | 775053.1 | 0.0 | S |
| 80.233 | 0.0000 | 0.0000 | 74.905 | 0.41557 | 0.00000 | 789605.1 | 775065.6 | 0.0 | S |
| 80.242 | 0.0000 | 0.0000 | 74.904 | 0.41538 | 0.00000 | 789605.1 | 775078.0 | 0.0 | S |
| 80.250 | 0.0000 | 0.0000 | 74.903 | 0.41519 | 0.00000 | 789605.1 | 775090.4 | 0.0 | S |
| 80.258 | 0.0000 | 0.0000 | 74.902 | 0.41500 | 0.00000 | 789605.1 | 775102.9 | 0.0 | S |
| 80.267 | 0.0000 | 0.0000 | 74.901 | 0.41481 | 0.00000 | 789605.1 | 775115.4 | 0.0 | S |
| 80.275 | 0.0000 | 0.0000 | 74.900 | 0.41461 | 0.00000 | 789605.1 | 775127.8 | 0.0 | S |
| 80.283 | 0.0000 | 0.0000 | 74.899 | 0.41442 | 0.00000 | 789605.1 | 775140.3 | 0.0 | S |
| 80.292 | 0.0000 | 0.0000 | 74.898 | 0.41423 | 0.00000 | 789605.1 | 775152.7 | 0.0 | S |
| 80.300 | 0.0000 | 0.0000 | 74.897 | 0.41404 | 0.00000 | 789605.1 | 775165.1 | 0.0 | S |
| 80.308 | 0.0000 | 0.0000 | 74.896 | 0.41385 | 0.00000 | 789605.1 | 775177.5 | 0.0 | S |
| 80.317 | 0.0000 | 0.0000 | 74.895 | 0.41366 | 0.00000 | 789605.1 | 775189.9 | 0.0 | S |
| 80.325 | 0.0000 | 0.0000 | 74.894 | 0.49347 | 0.00000 | 789605.1 | 775202.3 | 0.0 | S |
| 80.333 | 0.0000 | 0.0000 | 74.893 | 0.41327 | 0.00000 | 789605.1 | 775214.8 | 0.0 | S |
| 80.342 | 0.0000 | 0.0000 | 74.892 | 0.41308 | 0.00000 | 789605.1 | 775227.1 | 0.0 | S |
| 80.350 | 0.0000 | 0.0000 | 74.891 | 0.41289 | 0.00000 | 789605.1 | 775239.5 | 0.0 | S |
| 80.358 | 0.0000 | 0.0000 | 74.890 | 0.41270 | 0.00000 | 789605.1 | 775251.9 | 0.0 | S |
| 80.367 | 0.0000 | 0.0000 | 74.889 | 0.41251 | 0.00000 | 789605.1 | 775264.3 | 0.0 | S |
| 80.375 | 0.0000 | 0.0000 | 74.888 | 0.41231 | 0.00000 | 789605.1 | 775276.6 | 0.0 | S |
| 80.383 | 0.0000 | 0.0000 | 74.887 | 0.41212 | 0.00000 | 789605.1 | 775289.0 | 0.0 | S |
| 80.392 | 0.0000 | 0.0000 | 74.886 | 0.41193 | 0.00000 | 789605.1 | 775301.4 | 0.0 | S |
| 80,400 | 0.0000 | 0.0000 | 74.885 | 0.41174 | 0.00000 | 789605.1 | 775313.8 | 0.0 | S |
| 80.408 | 0.0000 | 0.0000 | 74.884 | 0.41154 | 0.00000 | 789605.1 | 775326.1 | 0.0 | S |
| 80.417 | 0.0000 | 0.0000 | 74.883 | 0.41135 | 0.00000 | 789605.1 | 775338.4 | 0.0 | S |
| 80.425 | 0.0000 | 0.0000 | 74.882 | 0.41116 | 0.00000 | 789605.1 | 775350.8 | 0.0 | S |
| 80.433 | 0.0000 | 0.0000 | 74.881 | 0.41097 | 0.00000 | 789605.1 | 775363.1 | 0.0 | S |
| 80.442 | 0.0000 | 0.0000 | 74.880 | 0.41077 | 0.00000 | 789605.1 | 775375.4 | 0.0 | S |
| 80.450 | 0.0000 | 0.0000 | 74.879 | 0.41058 | 0.00000 | 789605.1 | 775387.8 | 0.0 | S |
| 80.458 | 0.0000 | 0.0000 | 74.878 | 0.41039 | 0.00000 | 789605.1 | 775400.1 | 0.0 | S |
| 80.467 | 0.0000 | 0.0000 | 74.877 | 0.41019 | 0.00000 | 789605.1 | 775412.4 | 0.0 | S |
| 80.475 | 0.0000 | 0.0000 | 74.876 | 0.41000 | 0.00000 | 789605.1 | 775424.7 | 0.0 | S |
| 80.483 | 0.0000 | 0.0000 | 74.875 | 0.40981 | 0.00000 | 789605.1 | 775436.9 | 0.0 | S |
| 80.492 | 0.0000 | 0.0000 | 74.874 | 0.40961 | 0.00000 | 789605.1 | 775449.3 | 0.0 | S |
| 80.500 | 0.0000 | 0.0000 | 74.873 | 0.40942 | 0.00000 | 789605.1 | 775461.6 | 0.0 | S |
| 80.508 | 0.0000 | 0.0000 | 74.872 | 0.40923 | 0.00000 | 789605.1 | 775473.8 | 0.0 | S |
| 80.517 | 0.0000 | 0.0000 | 74.871 | 0.40903 | 0.00000 | 789605.1 | 775486.1 | 0.0 | S |
| 80.525 | 0.0000 | 0.0000 | 74.870 | 0.40884 | 0.00000 | 789605.1 | 775498.4 | 0.0 | S |
| 80.533 | 0.0000 | 0.0000 | 74.869 | 0.40865 | 0.00000 | 789605.1 | 775510.6 | 0.0 | S |
| 80.542 | 0.0000 | 0.0000 | 74.868 | 0.40845 | 0.00000 | 789605.1 | 775522.9 | 0.0 | S |
| 80.550 | 0.0000 | 0.0000 | 74.867 | 0.40826 | 0.00000 | 789605.1 | 775535.1 | 0.0 | S |
| 80.558 | 0.0000 | 0.0000 | 74.866 | 0.40806 | 0.00000 | 789605.1 | 775547.4 | 0.0 | S |
| 80.567 | 0.0000 | 0.0000 | 74.865 | 0.40787 | 0.00000 | 789605.1 | 775559.6 | 0.0 | S |
| 80.575 | 0.0000 | 0.0000 | 74.864 | 0.40768 | 0.00000 | 789605.1 | 775571.9 | 0.0 | S |
| 80.583 | 0.0000 | 0.0000 | 74.863 | 0.40748 | 0.00000 | 789605.1 | 775584.1 | 0.0 | S |
| 80.592 | 0.0000 | 0.0000 | 74.862 | 0.40729 | 0.00000 | 789605.1 | 775596.3 | 0.0 | S |
| 80.600 | 0.0000 | 0.0000 | 74.861 | 0.40709 | 0.00000 | 789605.1 | 775608.5 | 0.0 | S |
| 80.608 | 0.0000 | 0.0000 | 74.860 | 0.40690 | 0.00000 | 789605.1 | 775620.8 | 0.0 | S |
| 80.617 | 0.0000 | 0.0000 | 74.859 | 0.40670 | 0.00000 | 789605.1 | 775632.9 | 0.0 | S |
| 80.625 | 0.0000 | 0.0000 | 74.858 | 0.40651 | 0.00000 | 789605.1 | 775645.1 | 0.0 | S |
| 80.633 | 0.0000 | 0.0000 | 74.857 | 0.40632 | 0.00000 | 789605.1 | 775657.3 | 0.0 | S |
| 80.642 | 0.0000 | 0.0000 | 74.856 | 0.40612 | 0.00000 | 789605.1 | 775669.5 | 0.0 | S |
| 80.650 | 0.0000 | 0.0000 | 74.855 | 0.40593 | 0.00000 | 789605.1 | 775681.7 | 0.0 | S |
| 80.658 | 0.0000 | 0.0000 | 74.854 | 0.40573 | 0.00000 | 789605.1 | 775693.9 | 0.0 | S |
| 80.667 | 0.0000 | 0.0000 | 74.853 | 0.40554 | 0.00000 | 789605.1 | 775706.0 | 0.0 | S |
| 80.675 | 0.0000 | 0.0000 | 74.852 | 0.40534 | 0.00000 | 789605.1 | 775718.2 | 0.0 | S |
| 80.683 | 0.0000 | 0.0000 | 74.851 | 0.40515 | 0.00000 | 789605.1 | 775730.4 | 0.0 | S |
| 80.692 | 0.0000 | 0.0000 | 74.850 | 0.40495 | 0.00000 | 789605.1 | 775742.5 | 0.0 | S |
| 80.700 | 0.0000 | 0.0000 | 74.849 | 0.40476 | 0.00000 | 789605.1 | 775754.6 | 0.0 | S |
| 80.708 | 0.0000 | 0.0000 | 74.848 | 0.40456 | 0.00000 | 789605.1 | 775766.8 | 0.0 | S |
| 80.717 | 0.0000 | 0.0000 | 74.847 | 0.40436 | 0.00000 | 789605.1 | 775778.9 | 0.0 | S |
| 80.725 | 0.0000 | 0.0000 | 74.846 | 0.40417 | 0.00000 | 789605.1 | 775791.1 | 0.0 | S |
| 80.733 | 0.0000 | 0.0000 | 74.845 | 0.40397 | 0.00000 | 789605.1 | 775803.2 | 0.0 | S |
| 80.742 | 0.0000 | 0.0000 | 74.844 | 0.40378 | 0.00000 | 789605.1 | 775815.3 | 0.0 | S |
| 80.750 | 0.0000 | 0.0000 | 74.843 | 0.40358 | 0.00000 | 789605.1 | 775827.4 | 0.0 | S |
| 80.758 | 0.0000 | 0.0000 | 74.842 | 0.40339 | 0.00000 | 789605.1 | 775839.5 | 0.0 | S |
| 80.767 | 0.0000 | 0.0000 | 74.841 | 0.40319 | 0.00000 | 789605.1 | 775851.6 | 0.0 | S |
| 80.775 | 0.0000 | 0.0000 | 74.840 | 0.40299 | 0.00000 | 789605.1 | 775863.7 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 5100 yr / 24 hr

| Elapsed Time (hours) | Infiow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (f/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | $\begin{aligned} & \text { Cumulative } \\ & \text { Inflow } \\ & \text { Volume }\left(\mathrm{ff}^{3}\right) \end{aligned}$ | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 80.783 | 0.0000 | 0.0000 | 74.839 | 0.40280 | 0.00000 | 789605.1 | 775875.8 | 0.0 | S |
| 80.792 | 0.0000 | 0.0000 | 74.838 | 0.40260 | 0.00000 | 789605.1 | 775887.9 | 0.0 | S |
| 80.800 | 0.0000 | 0.0000 | 74.837 | 0.40241 | 0.00000 | 789605.1 | 775899.9 | 0.0 | S |
| 80.808 | 0.0000 | 0.0000 | 74.836 | 0.40221 | 0.00000 | 789605.1 | 775912.0 | 0.0 | S |
| 80.817 | 0.0000 | 0.0000 | 74.835 | 0.40201 | 0.00000 | 789605.1 | 775924.1 | 0.0 | S |
| 80.825 | 0.0000 | 0.0000 | 74.834 | 0.40182 | 0.00000 | 789605.1 | 775936.1 | 0.0 | S |
| 80.833 | 0.0000 | 0.0000 | 74.833 | 0.40162 | 0.00000 | 789605.1 | 775948.2 | 0.0 | S |
| 80.842 | 0.0000 | 0.0000 | 74.832 | 0.40142 | 0.00000 | 789605.1 | 775960.3 | 0.0 | S |
| 80.850 | 0.0000 | 0.0000 | 74.831 | 0.40123 | 0.00000 | 789605.1 | 775972.3 | 0.0 | S |
| 80.858 | 0.0000 | 0.0000 | 74.830 | 0.40103 | 0.00000 | 789605.1 | 775984.3 | 0.0 | S |
| 80.867 | 0.0000 | 0.0000 | 74.829 | 0.40083 | 0.00000 | 789605.1 | 775996.3 | 0.0 | S |
| 80.875 | 0.0000 | 0.0000 | 74.828 | 0.40064 | 0.00000 | 789605.1 | 776008.4 | 0.0 | S |
| 80.883 | 0.0000 | 0.0000 | 74.827 | 0.40044 | 0.00000 | 789605.1 | 776020.4 | 0.0 | S |
| 80.892 | 0.0000 | 0.0000 | 74.826 | 0.40024 | 0.00000 | 789605.1 | 776032.4 | 0.0 | S |
| 80.900 | 0.0000 | 0.0000 | 74.825 | 0.40005 | 0.00000 | 789605.1 | 776044.4 | 0.0 | S |
| 80.908 | 0.0000 | 0,0000 | 74.824 | 0.39985 | 0.00000 | 789605.1 | 776056.4 | 0.0 | S |
| 80.917 | 0.0000 | 0.0000 | 74.823 | 0.39965 | 0.00000 | 789605.1 | 776068.4 | 0.0 | S |
| 80.925 | 0.0000 | 0.0000 | 74.822 | 0.39945 | 0.00000 | 789605.1 | 776080.4 | 0.0 | S |
| 80.933 | 0.0000 | 0.0000 | 74.821 | 0.39926 | 0.00000 | 789605.1 | 776092.3 | 0.0 | S |
| 80.942 | 0.0000 | 0.0000 | 74.820 | 0.39906 | 0.00000 | 789605.1 | 776104.3 | 0.0 | S |
| 80.950 | 0.0000 | 0.0000 | 74.818 | 0.39886 | 0.00000 | 789605.1 | 776116.3 | 0.0 | S |
| 80.958 | 0.0000 | 0.0000 | 74.817 | 0.39866 | 0.00000 | 789605.1 | 776128.3 | 0.0 | S |
| 80.967 | 0.0000 | 0.0000 | 74.816 | 0.39847 | 0.00000 | 789605.1 | 776140.2 | 0.0 | S |
| 80.975 | 0.0000 | 0.0000 | 74.815 | 0.39827 | 0.00000 | 789605.1 | 776152.1 | 0.0 | S |
| 80.983 | 0.0000 | 0,0000 | 74.814 | 0.39807 | 0.00000 | 789605.1 | 776164.1 | 0.0 | S |
| 80.992 | 0.0000 | 0.0000 | 74.813 | 0.39787 | 0.00000 | 789605.1 | 776176.1 | 0.0 | S |
| 81.000 | 0.0000 | 0.0000 | 74.812 | 0.39767 | 0.00000 | 789605.1 | 776187.9 | 0.0 | S |
| 81.008 | 0.0000 | 0.0000 | 74.811 | 0.39748 | 0.00000 | 789605.1 | 776199.9 | 0.0 | S |
| 81.017 | 0.0000 | 0.0000 | 74.810 | 0.39728 | 0.00000 | 789605.1 | 776211.8 | 0.0 | S |
| 81.025 | 0.0000 | 0.0000 | 74.809 | 0.39708 | 0.00000 | 789605.1 | 776223.8 | 0.0 | S |
| 81.033 | 0.0000 | 0.0000 | 74.808 | 0.39688 | 0.00000 | 789605.1 | 776235.6 | 0.0 | S |
| 81.042 | 0.0000 | 0.0000 | 74.807 | 0.39668 | 0.00000 | 789605.1 | 776247.6 | 0.0 | S |
| 81.050 | 0.0000 | 0.0000 | 74.806 | 0.39648 | 0.00000 | 789605.1 | 776259.4 | 0.0 | S |
| 81.058 | 0.0000 | 0.0000 | 74.805 | 0.39628 | 0.00000 | 789605.1 | 776271.3 | 0.0 | S |
| 81.067 | 0.0000 | 0.0000 | 74.804 | 0.39609 | 0.00000 | 789605.1 | 776283.2 | 0.0 | S |
| 81.075 | 0.0000 | 0.0000 | 74.803 | 0.39589 | 0.00000 | 789605.1 | 776295.1 | 0.0 | S |
| 81.083 | 0.0000 | 0.0000 | 74.802 | 0.39569 | 0.00000 | 789605.1 | 776307.0 | 0.0 | S |
| 81.092 | 0.0000 | 0.0000 | 74.801 | 0.39549 | 0.00000 | 789605.1 | 776318.8 | 0.0 | S |
| 81.100 | 0.0000 | 0.0000 | 74.800 | 0.39529 | 0.00000 | 789605.1 | 776330.7 | 0.0 | S |
| 81.108 | 0.0000 | 0.0000 | 74.799 | 0.39509 | 0.00000 | 789605.1 | 776342.6 | 0.0 | S |
| 81.117 | 0.0000 | 0.0000 | 74.798 | 0.39489 | 0.00000 | 789605.1 | 776354.4 | 0.0 | S |
| 81.125 | 0.0000 | 0.0000 | 74.797 | 0.39469 | 0.00000 | 789605.1 | 776366.3 | 0.0 | S |
| 81.133 | 0.0000 | 0.0000 | 74.796 | 0.39449 | 0.00000 | 789605.1 | 776378.1 | 0.0 | S |
| 81.142 | 0.0000 | 0.0000 | 74.795 | 0.39429 | 0.00000 | 789605.1 | 776389.9 | 0.0 | S |
| 81.150 | 0.0000 | 0.0000 | 74.794 | 0.39409 | 0.00000 | 789605.1 | 776401.8 | 0.0 | S |
| 81.158 | 0.0000 | 0.0000 | 74.793 | 0.39389 | 0.00000 | 789605.1 | 776413.6 | 0.0 | S |
| 81.167 | 0.0000 | 0.0000 | 74.792 | 0.39369 | 0.00000 | 789605.1 | 776425.4 | 0.0 | S |
| 81.175 | 0.0000 | 0.0000 | 74.791 | 0.39349 | 0.00000 | 789605.1 | 776437.2 | 0.0 | S |
| 81.183 | 0.0000 | 0.0000 | 74.790 | 0.39329 | 0.00000 | 789605.1 | 776449.0 | 0.0 | S |
| 81.192 | 0.0000 | 0.0000 | 74.789 | 0.39309 | 0.00000 | 789605.1 | 776460.8 | 0.0 | S |
| 81.200 | 0.0000 | 0.0000 | 74.788 | 0.39289 | 0.00000 | 789605.1 | 776472.6 | 0.0 | S |
| 81.208 | 0.0000 | 0.0000 | 74.787 | 0.39269 | 0.00000 | 789605.1 | 776484.4 | 0.0 | S |
| 81.217 | 0.0000 | 0.0000 | 74.786 | 0.39249 | 0.00000 | 789605.1 | 776496.1 | 0.0 | S |
| 81.225 | 0.0000 | 0.0000 | 74.785 | 0.39229 | 0.00000 | 789605.1 | 776507.9 | 0.0 | S |
| 81.233 | 0.0000 | 0.0000 | 74.784 | 0.39209 | 0.00000 | 789605.1 | 776519.7 | 0.0 | S |
| 81.242 | 0.0000 | 0.0000 | 74.783 | 0.39189 | 0.00000 | 789605.1 | 776531.4 | 0.0 | S |
| 81.250 | 0.0000 | 0.0000 | 74.782 | 0.39169 | 0.00000 | 789605.1 | 776543.2 | 0.0 | S |
| 81.258 | 0.0000 | 0.0000 | 74.781 | 0.39149 | 0.00000 | 789605.1 | 776554.9 | 0.0 | S |
| 81.267 | 0.0000 | 0.0000 | 74.780 | 0.39129 | 0.00000 | 789605.1 | 776566.7 | 0.0 | S |
| 81.275 | 0.0000 | 0.0000 | 74.779 | 0.39109 | 0.00000 | 789605.1 | 776578.4 | 0.0 | S |
| 81.283 | 0.0000 | 0.0000 | 74.778 | 0.39089 | 0.00000 | 789605.1 | 776590.1 | 0.0 | S |
| 81.292 | 0.0000 | 0.0000 | 74.777 | 0.39069 | 0.00000 | 789605.1 | 776601.9 | 0.0 | S |
| 81.300 | 0.0000 | 0.0000 | 74.776 | 0.39049 | 0.00000 | 789605.1 | 776613.6 | 0.0 | S |
| 81.308 | 0.0000 | 0.0000 | 74.775 | 0.39029 | 0.00000 | 789605.1 | 776625.3 | 0.0 | S |
| 81.317 | 0.0000 | 0.0000 | 74.774 | 0.39009 | 0.00000 | 789605.1 | 776637.0 | 0.0 | S |
| 81.325 | 0.0000 | 0.0000 | 74.773 | 0.38988 | 0.00000 | 789605.1 | 776648.7 | 0.0 | 5 |
| 81.333 | 0.0000 | 0.0000 | 74.772 | 0.38968 | 0.00000 | 789605.1 | 776660.4 | 0.0 | S |
| 81.342 | 0.0000 | 0.0000 | 74.771 | 0.38948 | 0.00000 | 789605.1 | 776672.1 | 0.0 | S |
| 81.350 | 0.0000 | 0.0000 | 74.770 | 0.38928 | 0.00000 | 789605.1 | 776683.8 | 0.0 | S |
| 81.358 | 0.0000 | 0.0000 | 74.768 | 0.38908 | 0.00000 | 789605.1 | 776695.4 | 0.0 | S |
| 81.367 | 0.0000 | 0.0000 | 74.767 | 0.38888 | 0.00000 | 789605.1 | 776707.1 | 0.0 | S |
| 81.375 | 0.0000 | 0.0000 | 74.766 | 0.38868 | 0.00000 | 789605.1 | 776718.8 | 0.0 | S |
| 81.383 | 0.0000 | 0.0000 | 74.765 | 0.38847 | 0.00000 | 789605.1 | 776730.4 | 0.0 | S |
| 81.392 | 0.0000 | 0.0000 | 74.764 | 0.38827 | 0.00000 | 789605.1 | 776742.1 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overfiow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | $\begin{aligned} & \text { Flow } \\ & \text { Type } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 87.400 | 0.0000 | 0.0000 | 74.763 | 0.38807 | 0.00000 | 789605.1 | 776753.8 | 0.0 | S |
| 81.408 | 0.0000 | 0.0000 | 74.762 | 0.38787 | 0.00000 | 789605.1 | 776765.4 | 0.0 | S |
| 81.417 | 0.0000 | 0.0000 | 74.761 | 0.38766 | 0.00000 | 789605.1 | 776777.0 | 0.0 | S |
| 81.425 | 0.0000 | 0.0000 | 74.760 | 0.38746 | 0.00000 | 789605.1 | 776788.6 | 0.0 | S |
| 81.433 | 0.0000 | 0.0000 | 74.759 | 0.38726 | 0.00000 | 789605.1 | 776800.3 | 0.0 | S |
| 81.442 | 0.0000 | 0.0000 | 74.758 | 0.38706 | 0.00000 | 789605.1 | 776811.9 | 0.0 | S |
| 81.450 | 0.0000 | 0.0000 | 74.757 | 0.38686 | 0.00000 | 789605.1 | 776823.4 | 0.0 | S |
| 81.458 | 0.0000 | 0.0000 | 74.756 | 0.38665 | 0.00000 | 789605.1 | 776835.1 | 0.0 | S |
| 81.467 | 0.0000 | 0.0000 | 74.755 | 0.38645 | 0.00000 | 789605.1 | 776846.7 | 0.0 | S |
| 81.475 | 0.0000 | 0.0000 | 74.754 | 0.38625 | 0.00000 | 789605.1 | 776858.3 | 0.0 | S |
| 81.483 | 0.0000 | 0.0000 | 74.753 | 0.38604 | 0.00000 | 789605.1 | 776869.8 | 0.0 | S |
| 81.492 | 0.0000 | 0.0000 | 74.752 | 0.38584 | 0.00000 | 789605.1 | 776881.4 | 0.0 | S |
| 81.500 | 0.0000 | 0.0000 | 74.751 | 0.38564 | 0.00000 | 789605.1 | 776893.0 | 0.0 | S |
| 81.508 | 0.0000 | 0.0000 | 74.750 | 0.38544 | 0.00000 | 789605.1 | 776904.6 | 0.0 | S |
| 81.517 | 0.0000 | 0.0000 | 74.749 | 0.38523 | 0.00000 | 789605.1 | 776916.1 | 0.0 | S |
| 81.525 | 0.0000 | 0.0000 | 74.748 | 0.38503 | 0.00000 | 789605.1 | 776927.7 | 0.0 | S |
| 81.533 | 0.0000 | 0.0000 | 74.747 | 0.38483 | 0.00000 | 789605.1 | 776939.2 | 0.0 | S |
| 81.542 | 0.0000 | 0.0000 | 74.746 | 0.38462 | 0.00000 | 789605.1 | 776950.8 | 0.0 | S |
| 81.550 | 0.0000 | 0.0000 | 74.745 | 0.38442 | 0.00000 | 789605.1 | 776962.3 | 0.0 | S |
| 81.558 | 0.0000 | 0.0000 | 74.744 | 0.38421 | 0.00000 | 789605.1 | 776973.8 | 0.0 | S |
| 81.567 | 0.0000 | 0.0000 | 74.743 | 0.38401 | 0.00000 | 789605.1 | 776985.4 | 0.0 | S |
| 81.575 | 0.0000 | 0.0000 | 74.742 | 0.38381 | 0.00000 | 789605.1 | 776996.9 | 0.0 | S |
| 81.583 | 0.0000 | 0.0000 | 74.741 | 0.38360 | 0.00000 | 789605.1 | 777008.4 | 0.0 | S |
| 81.592 | 0.0000 | 0.0000 | 74.740 | 0.38340 | 0.00000 | 789605.1 | 777019.9 | 0.0 | S |
| 81.600 | 0.0000 | 0.0000 | 74.739 | 0.38320 | 0.00000 | 789605.1 | 777031.4 | 0.0 | S |
| 81.608 | 0.0000 | 0.0000 | 74.738 | 0.38299 | 0.00000 | 789605.1 | 777042.9 | 0.0 | S |
| 81.617 | 0.0000 | 0.0000 | 74.737 | 0.38279 | 0.00000 | 789605.1 | 777054.4 | 0.0 | S |
| 81.625 | 0.0000 | 0.0000 | 74.735 | 0.38258 | 0.00000 | 789605.1 | 777065.8 | 0.0 | S |
| 81.633 | 0.0000 | 0.0000 | 74.734 | 0.38238 | 0.00000 | 789605.1 | 777077.3 | 0.0 | S |
| 81.642 | 0.0000 | 0.0000 | 74.733 | 0.38217 | 0.00000 | 789605.1 | 777088.8 | 0.0 | S |
| 81.650 | 0.0000 | 0.0000 | 74.732 | 0.38197 | 0.00000 | 789605.1 | 777100.3 | 0.0 | S |
| 81.658 | 0.0000 | 0.0000 | 74.731 | 0.38176 | 0.00000 | 789605.1 | 777111.7 | 0.0 | S |
| 81.667 | 0.0000 | 0.0000 | 74.730 | 0.38156 | 0.00000 | 789605.1 | 777123.1 | 0.0 | S |
| 81.675 | 0.0000 | 0.0000 | 74.729 | 0.38135 | 0.00000 | 789605.1 | 777134.6 | 0.0 | S |
| 81.683 | 0.0000 | 0.0000 | 74.728 | 0.38115 | 0.00000 | 789605.1 | 777146.1 | 0.0 | S |
| 81.692 | 0.0000 | 0.0000 | 74.727 | 0.38094 | 0.00000 | 789605.1 | 777157.4 | 0.0 | S |
| 81.700 | 0.0000 | 0.0000 | 74.726 | 0.38074 | 0.00000 | 789605.1 | 777168.9 | 0.0 | S |
| 81.708 | 0.0000 | 0.0000 | 74.725 | 0.38053 | 0.00000 | 789605.1 | 777180.3 | 0.0 | S |
| 81.717 | 0.0000 | 0.0000 | 74.724 | 0.38033 | 0.00000 | 789605.1 | 777191.8 | 0.0 | S |
| 81.725 | 0.0000 | 0.0000 | 74.723 | 0.38012 | 0.00000 | 789605.1 | 777203.1 | 0.0 | S |
| 81.733 | 0.0000 | 0.0000 | 74.722 | 0.37992 | 0.00000 | 789605.1 | 777214.5 | 0.0 | S |
| 81.742 | 0.0000 | 0.0000 | 74.721 | 0.37971 | 0.00000 | 789605.1 | 777225.9 | 0.0 | S |
| 81.750 | 0.0000 | 0.0000 | 74.720 | 0.37951 | 0.00000 | 789605.1 | 777237.3 | 0.0 | S |
| 81.758 | 0.0000 | 0.0000 | 74.719 | 0.37930 | 0.00000 | 789605.1 | 777248.7 | 0.0 | S |
| 81.767 | 0.0000 | 0.0000 | 74.718 | 0.37909 | 0.00000 | 789605.1 | 777260.1 | 0.0 | S |
| 81.775 | 0.0000 | 0.0000 | 74.717 | 0.37889 | 0.00000 | 789605.1 | 777271.4 | 0.0 | S |
| 81.783 | 0.0000 | 0.0000 | 74.716 | 0.37868 | 0.00000 | 789605.1 | 777282.8 | 0.0 | S |
| 81.792 | 0.0000 | 0.0000 | 74.715 | 0.37848 | 0.00000 | 789605.1 | 777294.2 | 0.0 | S |
| 81.800 | 0.0000 | 0.0000 | 74.714 | 0.37827 | 0.00000 | 789605.1 | 777305.5 | 0.0 | S |
| 81.808 | 0.0000 | 0.0000 | 74.713 | 0.37806 | 0.00000 | 789605.1 | 777316.9 | 0.0 | S |
| 81.817 | 0.0000 | 0.0000 | 74.712 | 0.37786 | 0.00000 | 789605.1 | 777328.2 | 0.0 | S |
| 81.825 | 0.0000 | 0.0000 | 74.711 | 0.37765 | 0.00000 | 789605.1 | 777339.5 | 0.0 | S |
| 81.833 | 0.0000 | 0.0000 | 74.709 | 0.37744 | 0.00000 | 789605.1 | 777350.9 | 0.0 | S |
| 81.842 | 0.0000 | 0.0000 | 74.708 | 0.37724 | 0.00000 | 789605.1 | 777362.2 | 0.0 | S |
| 81.850 | 0.0000 | 0.0000 | 74.707 | 0.37703 | 0.00000 | 789605.1 | 777373.5 | 0.0 | S |
| 81.858 | 0.0000 | 0.0000 | 74.706 | 0.37682 | 0.00000 | 789605.1 | 777384.8 | 0.0 | S |
| 81.867 | 0.0000 | 0.0000 | 74.705 | 0.37662 | 0.00000 | 789605.1 | 777396.1 | 0.0 | S |
| 81.875 | 0.0000 | 0.0000 | 74.704 | 0.37641 | 0.00000 | 789605.1 | 777407.4 | 0.0 | S |
| 81.883 | 0.0000 | 0.0000 | 74.703 | 0.37620 | 0.00000 | 789605.1 | 777418.7 | 0.0 | S |
| $8 \uparrow .892$ | 0.0000 | 0.0000 | 74.702 | 0.37600 | 0.00000 | 789605.1 | 777429.9 | 0.0 | S |
| 81.900 | 0.0000 | 0.0000 | 74.701 | 0.37579 | 0.00000 | 789605.1 | 777441.3 | 0.0 | S |
| 81.908 | 0.0000 | 0.0000 | 74.700 | 0.37558 | 0.00000 | 789605.1 | 777452.5 | 0.0 | S |
| 81.917 | 0.0000 | 0.0000 | 74.699 | 0.37537 | 0.00000 | 789605.1 | 777463.8 | 0.0 | S |
| 81.925 | 0.0000 | 0.0000 | 74.698 | 0.37517 | 0.00000 | 789605.1 | 777475.1 | 0.0 | S |
| 81.933 | 0.0000 | 0.0000 | 74.697 | 0.37496 | 0.00000 | 789605.1 | 777486.3 | 0.0 | S |
| 81.942 | 0.0000 | 0.0000 | 74.696 | 0.37475 | 0.00000 | 789605.1 | 777497.6 | 0.0 | S |
| 81.950 | 0.0000 | 0.0000 | 74.695 | 0.37454 | 0.00000 | 789605.1 | 777508.8 | 0.0 | S |
| 81.958 | 0.0000 | 0.0000 | 74.694 | 0.37433 | 0.00000 | 789605.1 | 777520.0 | 0.0 | S |
| 81.967 | 0.0000 | 0.0000 | 74.693 | 0.37413 | 0.00000 | 789605.1 | 777531.3 | 0.0 | S |
| 81.975 | 0.0000 | 0.0000 | 74.692 | 0.37392 | 0,00000 | 789605.1 | 777542.4 | 0.0 | S |
| 81.983 | 0.0000 | 0.0000 | 74.691 | 0.37371 | 0.00000 | 789605.1 | 777553.7 | 0.0 | S |
| 81.992 | 0.0000 | 0.0000 | 74.690 | 0.37350 | 0.00000 | 789605.1 | 777564.9 | 0.0 | S |
| 82.000 | 0.0000 | 0.0000 | 74.689 | 0.37329 | 0.00000 | 789605.1 | 777576.1 | 0.0 | S |
| 82.008 | 0.0000 | 0.0000 | 74.688 | 0.37308 | 0.00000 | 789605.1 | 777587.3 | 0.0 | S |

# PONDS Version 3.2.0207 

Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{3}$ s) | Outside Recharge (fl/day) | Stage Elevation (ft datum) | Infiltration Rate (fis/s) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Inflitration Volume (ft ${ }^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 82.017 | 0.0000 | 0.0000 | 74.686 | 0.37288 | 0.00000 | 789605.1 | 777598.4 | 0.0 | S |
| 82.025 | 0.0000 | 0.0000 | 74.685 | 0.37267 | 0.00000 | 789605.1 | 777609.6 | 0.0 | S |
| 82.033 | 0.0000 | 0.0000 | 74.684 | 0.37246 | 0.00000 | 789605.1 | 777620.8 | 0.0 | S |
| 82.042 | 0.0000 | 0.0000 | 74.683 | 0.37225 | 0.00000 | 789605.1 | 777632.0 | 0.0 | S |
| 82.050 | 0.0000 | 0.0000 | 74.682 | 0.37204 | 0.00000 | 789605.1 | 777643.2 | 0.0 | S |
| 82.058 | 0.0000 | 0.0000 | 74.681 | 0.37183 | 0.00000 | 789605.1 | 777654.3 | 0.0 | S |
| 82.067 | 0.0000 | 0.0000 | 74.680 | 0.37162 | 0.00000 | 789605.1 | 777665.4 | 0.0 | S |
| 82.075 | 0.0000 | 0.0000 | 74,679 | 0.37141 | 0.00000 | 789605.1 | 777676.6 | 0.0 | S |
| 82.083 | 0.0000 | 0.0000 | 74.678 | 0.37120 | 0.00000 | 789605.1 | 777687.8 | 0.0 | S |
| 82.092 | 0.0000 | 0.0000 | 74.677 | 0.37099 | 0.00000 | 789605.1 | 777698.9 | 0.0 | S |
| 82.100 | 0.0000 | 0.0000 | 74.676 | 0.37078 | 0.00000 | 789605.1 | 777710.0 | 0.0 | S |
| 82.108 | 0.0000 | 0.0000 | 74.675 | 0.37057 | 0.00000 | 789605.1 | 777721.1 | 0.0 | S |
| 82.117 | 0.0000 | 0.0000 | 74.674 | 0.37036 | 0.00000 | 789605.1 | 777732.3 | 0.0 | S |
| 82.125 | 0.0000 | 0.0000 | 74.673 | 0.37015 | 0.00000 | 789605.1 | 777743.4 | 0.0 | S |
| 82.133 | 0.0000 | 0.0000 | 74.672 | 0.36994 | 0.00000 | 789605.1 | 777754.4 | 0.0 | S |
| 82.142 | 0.0000 | 0.0000 | 74.671 | 0.36973 | 0.00000 | 789605.1 | 777765.6 | 0.0 | S |
| 82.150 | 0.0000 | 0.0000 | 74.670 | 0.36952 | 0.00000 | 789605.1 | 777776.6 | 0.0 | S |
| 82.158 | 0.0000 | 0.0000 | 74.669 | 0.36931 | 0.00000 | 789605.1 | 777787.8 | 0.0 | S |
| 82.167 | 0.0000 | 0.0000 | 74.667 | 0.36910 | 0.00000 | 789605.1 | 777798.8 | 0.0 | S |
| 82.175 | 0.0000 | 0.0000 | 74.666 | 0.36889 | 0.00000 | 789605.1 | 777809.9 | 0.0 | S |
| 82.183 | 0.0000 | 0.0000 | 74.665 | 0.36868 | 0.00000 | 789605.1 | 777820.9 | 0.0 | S |
| 82.192 | 0.0000 | 0.0000 | 74.664 | 0.36847 | 0.00000 | 789605.1 | 777832.0 | 0.0 | S |
| 82.200 | 0.0000 | 0.0000 | 74.663 | 0.36826 | 0.00000 | 789605.1 | 777843.1 | 0.0 | S |
| 82.208 | 0.0000 | 0.0000 | 74.662 | 0.36805 | 0.00000 | 789605.1 | 777854.1 | 0.0 | S |
| 82.217 | 0.0000 | 0.0000 | 74.661 | 0.36784 | 0.00000 | 789605.1 | 777865.1 | 0.0 | S |
| 82.225 | 0.0000 | 0.0000 | 74.660 | 0.36763 | 0.00000 | 789605.1 | 777876.1 | 0.0 | S |
| 82.233 | 0.0000 | 0.0000 | 74.659 | 0.36742 | 0.00000 | 789605.1 | 777887.2 | 0.0 | S |
| 82.242 | 0.0000 | 0.0000 | 74.658 | 0.36720 | 0.00000 | 789605.1 | 777898.2 | 0.0 | S |
| 82.250 | 0.0000 | 0.0000 | 74.657 | 0.36699 | 0.00000 | 789605.1 | 777909.2 | 0.0 | S |
| 82.258 | 0.0000 | 0.0000 | 74.656 | 0.36678 | 0.00000 | 789605.1 | 777920.3 | 0.0 | S |
| 82.267 | 0.0000 | 0.0000 | 74.655 | 0.36657 | 0.00000 | 789605.1 | 777931.3 | 0.0 | S |
| 82.275 | 0.0000 | 0.0000 | 74.654 | 0.36636 | 0.00000 | 789605.1 | 777942.2 | 0.0 | S |
| 82.283 | 0.0000 | 0.0000 | 74.653 | 0.36615 | 0.00000 | 789605.1 | 777953.2 | 0.0 | S |
| 82.292 | 0.0000 | 0.0000 | 74.652 | 0.36593 | 0.00000 | 789605.1 | 777964.2 | 0.0 | S |
| 82.300 | 0.0000 | 0.0000 | 74.651 | 0.36572 | 0.00000 | 789605.1 | 777975.2 | 0.0 | S |
| 82.308 | 0.0000 | 0.0000 | 74.649 | 0.36551 | 0.00000 | 789605.1 | 777986.1 | 0.0 | S |
| 82.317 | 0.0000 | 0.0000 | 74.648 | 0.36530 | 0.00000 | 789605.1 | 777997.1 | 0.0 | S |
| 82.325 | 0.0000 | 0.0000 | 74.647 | 0.36508 | 0.00000 | 789605.1 | 778008.1 | 0.0 | S |
| 82.333 | 0.0000 | 0.0000 | 74.646 | 0.36487 | 0.00000 | 789605.1 | 778019.0 | 0.0 | S |
| 82.342 | 0.0000 | 0.0000 | 74.645 | 0.36466 | 0.00000 | 789605.1 | 778029.9 | 0.0 | S |
| 82.350 | 0.0000 | 0.0000 | 74.644 | 0.36445 | 0.00000 | 789605.1 | 778040.9 | 0.0 | S |
| 82.358 | 0.0000 | 0.0000 | 74.643 | 0.36423 | 0.00000 | 789605.1 | 778051.8 | 0.0 | S |
| 82.367 | 0.0000 | 0.0000 | 74.642 | 0.36402 | 0.00000 | 789605.1 | 778062.8 | 0.0 | S |
| 82.375 | 0.0000 | 0.0000 | 74.641 | 0.36381 | 0.00000 | 789605.1 | 778073.6 | 0.0 | S |
| 82.383 | 0.0000 | 0.0000 | 74.640 | 0.36359 | 0.00000 | 789605.1 | 778084.6 | 0.0 | S |
| 82.392 | 0.0000 | 0.0000 | 74.639 | 0.36338 | 0.00000 | 789605.1 | 778095.4 | 0.0 | S |
| 82.400 | 0.0000 | 0.0000 | 74.638 | 0.36317 | 0.00000 | 789605.1 | 778106.4 | 0.0 | S |
| 82.408 | 0.0000 | 0.0000 | 74.637 | 0.36295 | 0.00000 | 789605.1 | 778117.3 | 0.0 | S |
| 82.417 | 0.0000 | 0.0000 | 74.636 | 0.36274 | 0.00000 | 789605.1 | 778128.1 | 0.0 | S |
| 82.425 | 0.0000 | 0.0000 | 74.635 | 0.36253 | 0.00000 | 789605.1 | 778139.0 | 0.0 | S |
| 82.433 | 0.0000 | 0.0000 | 74.634 | 0.36231 | 0.00000 | 789605.1 | 778149.9 | 0.0 | S |
| 82.442 | 0.0000 | 0.0000 | 74.632 | 0.36210 | 0.00000 | 789605.1 | 778160.8 | 0.0 | S |
| 82.450 | 0.0000 | 0.0000 | 74.631 | 0.36189 | 0.00000 | 789605.1 | 778171.6 | 0.0 | S |
| 82.458 | 0.0000 | 0.0000 | 74.630 | 0.36167 | 0.00000 | 789605.1 | 778182.4 | 0.0 | S |
| 82.467 | 0.0000 | 0.0000 | 74.629 | 0.36146 | 0.00000 | 789605.1 | 778193.3 | 0.0 | S |
| 82.475 | 0.0000 | 0.0000 | 74.628 | 0.36124 | 0.00000 | 789605.1 | 778204.1 | 0.0 | S |
| 82.483 | 0.0000 | 0.0000 | 74.627 | 0.36103 | 0.00000 | 789605.1 | 778215.0 | 0.0 | S |
| 82.492 | 0.0000 | 0.0000 | 74.626 | 0.36081 | 0.00000 | 789605.1 | 778225.8 | 0.0 | S |
| 82.500 | 0.0000 | 0.0000 | 74.625 | 0.36060 | 0.00000 | 789605.1 | 778236.6 | 0.0 | S |
| 82.508 | 0.0000 | 0.0000 | 74.624 | 0.36038 | 0.00000 | 789605.1 | 778247.4 | 0.0 | S |
| 82.517 | 0.0000 | 0.0000 | 74.623 | 0.36017 | 0.00000 | 789605.1 | 778258.3 | 0.0 | S |
| 82.525 | 0.0000 | 0.0000 | 74.622 | 0.35995 | 0.00000 | 789605.1 | 778269.1 | 0.0 | S |
| 82.533 | 0.0000 | 0.0000 | 74.621 | 0.35974 | 0.00000 | 789605.1 | 778279.9 | 0.0 | S |
| 82.542 | 0.0000 | 0.0000 | 74.620 | 0.35952 | 0.00000 | 789605.1 | 778290.6 | 0.0 | S |
| 82.550 | 0.0000 | 0.0000 | 74.619 | 0.35931 | 0.00000 | 789605.1 | $77830\{.4$ | 0.0 | S |
| 82.558 | 0.0000 | 0.0000 | 74.617 | 0.35909 | 0.00000 | 789605.1 | 778312.2 | 0.0 | S |
| 82.567 | 0.0000 | 0.0000 | 74.616 | 0.35888 | 0.00000 | 789605.1 | 778323.0 | 0.0 | S |
| 82.575 | 0.0000 | 0.0000 | 74.615 | 0.35866 | 0.00000 | 789605.1 | 778333.8 | 0.0 | S |
| 82.583 | 0.0000 | 0.0000 | 74.614 | 0.35845 | 0.00000 | 789605.1 | 778344.5 | 0.0 | S |
| 82.592 | 0.0000 | 0.0000 | 74.613 | 0.35823 | 0.00000 | 789605.1 | 778355.3 | 0.0 | S |
| 82.600 | 0.0000 | 0.0000 | 74.612 | 0.35801 | 0.00000 | 789605.1 | 778366.0 | 0.0 | S |
| 82.608 | 0.0000 | 0.0000 | 74.611 | 0.35780 | 0.00000 | 789605.1 | 778376.8 | 0.0 | S |
| 82.617 | 0.0000 | 0.0000 | 74.610 | 0.35758 | 0.00000 | 789605. | 778387.4 | 0.0 | S |
| 82.625 | 0.0000 | 0.0000 | 74.609 | 0.35737 | 0.00000 | 789605.1 | 778398.2 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont, d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{H} 13 / \mathrm{s}$ ) | Outside Recharge (f f/day) | Stage Elevation (ft datum) | Infiltration Rate $\left(\mathrm{ft}^{3 /} / \mathrm{s}\right)$ | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative <br> Discharge <br> Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 82.633 | 0.0000 | 0.0000 | 74.608 | 0.35715 | 0.00000 | 789605.1 | 778408.9 | 0.0 | S |
| 82.642 | 0.0000 | 0.0000 | 74,607 | 0.35693 | 0.00000 | 789605.1 | 778419.6 | 0.0 | S |
| 82.650 | 0.0000 | 0.0000 | 74.606 | 0.35672 | 0.00000 | 789605.1 | 778430.3 | 0.0 | S |
| 82.658 | 0.0000 | 0.0000 | 74.605 | 0.35650 | 0.00000 | 789605.1 | 778441.0 | 0.0 | S |
| 82.667 | 0.0000 | 0.0000 | 74.604 | 0.35628 | 0.00000 | 789605.1 | 778451.7 | 0.0 | S |
| 82.675 | 0.0000 | 0.0000 | 74.602 | 0.35607 | 0.00000 | 789605.1 | 778462.4 | 0.0 | S |
| 82.683 | 0.0000 | 0.0000 | 74.601 | 0.35585 | 0.00000 | 789605.1 | 778473.1 | 0.0 | S |
| 82.692 | 0.0000 | 0.0000 | 74.600 | 0.35563 | 0.00000 | 789605.1 | 778483.8 | 0.0 | S |
| 82.700 | 0.0000 | 0.0000 | 74.599 | 0.35541 | 0.00000 | 789605.1 | 778494.4 | 0.0 | S |
| 82.708 | 0.0000 | 0.0000 | 74.598 | 0.35520 | 0.00000 | 789605.1 | 778505.1 | 0.0 | S |
| 82.717 | 0.0000 | 0.0000 | 74.597 | 0.35498 | 0.00000 | 789605.1 | 778515.7 | 0.0 | S |
| 82.725 | 0.0000 | 0.0000 | 74.596 | 0.35476 | 0.00000 | 789605.1 | 778526.4 | 0.0 | S |
| 82.733 | 0.0000 | 0.0000 | 74.595 | 0.35454 | 0.00000 | 789605.1 | 778537.0 | 0.0 | S |
| 82.742 | 0.0000 | 0.0000 | 74.594 | 0.35433 | 0.00000 | 789605.1 | 778547.6 | 0.0 | S |
| 82.750 | 0.0000 | 0.0000 | 74.593 | 0.35411 | 0.00000 | 789605.1 | 778558.3 | 0.0 | S |
| 82.758 | 0.0000 | 0.0000 | 74.592 | 0.35389 | 0.00000 | 789605.1 | 778568.9 | 0.0 | S |
| 82.767 | 0.0000 | 0.0000 | 74.591 | 0.35367 | 0.00000 | 789605.1 | 778579.5 | 0.0 | S |
| 82.775 | 0.0000 | 0.0000 | 74.589 | 0.35345 | 0.00000 | 789605.1 | 778590.1 | 0.0 | S |
| 82.783 | 0.0000 | 0.0000 | 74.588 | 0.35323 | 0.00000 | 789605.1 | 778600.7 | 0.0 | S |
| 82.792 | 0.0000 | 0.0000 | 74.587 | 0.35301 | 0.00000 | 789605.1 | 778611.3 | 0.0 | S |
| 82.800 | 0.0000 | 0.0000 | 74.586 | 0.35280 | 0.00000 | 789605.1 | 778621.9 | 0.0 | S |
| 82.808 | 0.0000 | 0.0000 | 74.585 | 0.35258 | 0.00000 | 789605.1 | 778632.4 | 0.0 | S |
| 82.817 | 0.0000 | 0.0000 | 74.584 | 0.35236 | 0.00000 | 789605.1 | 778643.1 | 0.0 | S |
| 82.825 | 0.0000 | 0.0000 | 74.583 | 0.35214 | 0.00000 | 789605.1 | 778653.6 | 0.0 | S |
| 82.833 | 0.0000 | 0.0000 | 74.582 | 0.35192 | 0.00000 | 789605.1 | 778664.2 | 0.0 | S |
| 82.842 | 0.0000 | 0.0000 | 74.581 | 0.35170 | 0.00000 | 789605.1 | 778674.8 | 0.0 | S |
| 82.850 | 0.0000 | 0.0000 | 74.580 | 0.35148 | 0.00000 | 789605.1 | 778685.3 | 0.0 | S |
| 82.858 | 0.0000 | 0.0000 | 74.579 | 0.35126 | 0.00000 | 789605.1 | 778695.8 | 0.0 | S |
| 82.867 | 0.0000 | 0.0000 | 74.578 | 0.35104 | 0.00000 | 789605.1 | 778706.3 | 0.0 | S |
| 82.875 | 0.0000 | 0.0000 | 74.576 | 0.35082 | 0.00000 | 789605.1 | 778716.9 | 0.0 | S |
| 82.883 | 0.0000 | 0.0000 | 74.575 | 0.35060 | 0.00000 | 789605.1 | 778727.4 | 0.0 | S |
| 82.892 | 0.0000 | 0.0000 | 74.574 | 0.35038 | 0.00000 | 789605.1 | 778737.9 | 0.0 | S |
| 82.900 | 0.0000 | 0.0000 | 74.573 | 0.35016 | 0.00000 | 789605.1 | 778748.4 | 0.0 | S |
| 82.908 | 0.0000 | 0.0000 | 74.572 | 0.34994 | 0.00000 | 789605.1 | 778758.9 | 0.0 | S |
| 82.917 | 0.0000 | 0.0000 | 74.571 | 0.34972 | 0.00000 | 789605.1 | 778769.4 | 0.0 | S |
| 82.925 | 0.0000 | 0.0000 | 74.570 | 0.34950 | 0.00000 | 789605.1 | 778779.9 | 0.0 | S |
| 82.933 | 0.0000 | 0.0000 | 74.569 | 0.34928 | 0.00000 | 789605.1 | 778790.4 | 0.0 | S |
| 82.942 | 0.0000 | 0.0000 | 74.568 | 0.34906 | 0.00000 | 789605.1 | 778800.9 | 0.0 | S |
| 82.950 | 0.0000 | 0.0000 | 74.567 | 0.34884 | 0.00000 | 789605.1 | 778811.3 | 0.0 | S |
| 82.958 | 0.0000 | 0.0000 | 74.566 | 0.34861 | 0.00000 | 789605.1 | 778821.8 | 0.0 | S |
| 82.967 | 0.0000 | 0.0000 | 74.564 | 0.34839 | 0.00000 | 789605.1 | 778832.3 | 0.0 | S |
| 82.975 | 0.0000 | 0.0000 | 74.563 | 0.34817 | 0.00000 | 789605.1 | 778842.7 | 0.0 | S |
| 82.983 | 0.0000 | 0.0000 | 74.562 | 0.34795 | 0.00000 | 789605.1 | 778853.1 | 0.0 | S |
| 82.992 | 0.0000 | 0.0000 | 74.561 | 0.34773 | 0.00000 | 789605.1 | 778863.6 | 0.0 | S |
| 83.000 | 0.0000 | 0.0000 | 74.560 | 0.34751 | 0.00000 | 789605.1 | 778874.0 | 0.0 | S |
| 83.008 | 0.0000 | 0.0000 | 74.559 | 0.34729 | 0.00000 | 789605.1 | 778884.4 | 0.0 | S |
| 83.017 | 0.0000 | 0.0000 | 74.558 | 0.34706 | 0.00000 | 789605.1 | 778894.8 | 0.0 | S |
| 83.025 | 0.0000 | 0.0000 | 74.557 | 0.34684 | 0.00000 | 789605.1 | 778905.3 | 0.0 | S |
| 83.033 | 0.0000 | 0.0000 | 74.556 | 0.34662 | 0.00000 | 789605.1 | 778915.6 | 0.0 | S |
| 83.042 | 0.0000 | 0.0000 | 74.555 | 0.34640 | 0.00000 | 789605.1 | 778926.1 | 0.0 | S |
| 83.050 | 0.0000 | 0.0000 | 74.554 | 0.34617 | 0.00000 | 789605.1 | 778936.4 | 0.0 | S |
| 83.058 | 0.0000 | 0.0000 | 74.552 | 0.34595 | 0.00000 | 789605.1 | 778946.8 | 0.0 | S |
| 83.067 | 0.0000 | 0.0000 | 74.551 | 0.34573 | 0.00000 | 789605.1 | 778957.2 | 0.0 | S |
| 83.075 | 0.0000 | 0.0000 | 74.550 | 0.34551 | 0.00000 | 789605.1 | 778967.6 | 0.0 | S |
| 83.083 | 0.0000 | 0.0000 | 74.549 | 0.34528 | 0.00000 | 789605.1 | 778977.9 | 0.0 | S |
| 83.092 | 0.0000 | 0.0000 | 74.548 | 0.34506 | 0.00000 | 789605.1 | 778988.3 | 0.0 | S |
| 83.100 | 0.0000 | 0.0000 | 74.547 | 0.34484 | 0.00000 | 789605.1 | 778998.6 | 0.0 | S |
| 83.108 | 0.0000 | 0.0000 | 74.546 | 0.34461 | 0.00000 | 789605.1 | 779008.9 | 0.0 | S |
| 83.117 | 0.0000 | 0.0000 | 74.545 | 0.34439 | 0.00000 | 789605.1 | 779019.3 | 0.0 | S |
| 83.125 | 0.0000 | 0.0000 | 74.544 | 0.34416 | 0.00000 | 789605.1 | 779029.6 | 0.0 | S |
| 83.133 | 0.0000 | 0.0000 | 74.543 | 0.34394 | 0.00000 | 789605.1 | 779039.9 | 0.0 | S |
| 83.142 | 0.0000 | 0.0000 | 74.541 | 0.34372 | 0.00000 | 789605.1 | 779050.3 | 0.0 | S |
| 83.150 | 0.0000 | 0.0000 | 74.540 | 0.34349 | 0.00000 | 789605.1 | 779060.6 | 0.0 | S |
| 83.158 | 0.0000 | 0.0000 | 74.539 | 0.34327 | 0.00000 | 789605.1 | 779070.9 | 0.0 | S |
| 83.167 | 0.0000 | 0.0000 | 74.538 | 0.34304 | 0.00000 | 789605.1 | 779081.2 | 0.0 | S |
| 83.175 | 0.0000 | 0.0000 | 74.537 | 0.34282 | 0.00000 | 789605.1 | 779091.4 | 0.0 | S |
| 83.183 | 0.0000 | 0.0000 | 74.536 | 0.34259 | 0.00000 | 789605.1 | 779101.8 | 0.0 | S |
| 83.192 | 0.0000 | 0.0000 | 74.535 | 0.34237 | 0.00000 | 789605.1 | 779112.0 | 0.0 | S |
| 83.200 | 0.0000 | 0.0000 | 74.534 | 0.34214 | 0.00000 | 789605.1 | 779122.3 | 0.0 | S |
| 83.208 | 0.0000 | 0.0000 | 74.533 | 0.34192 | 0.00000 | 789605.1 | 779132.6 | 0.0 | S |
| 83.217 | 0.0000 | 0.0000 | 74.532 | 0.34169 | 0.00000 | 789605.1 | 779142.8 | 0.0 | S |
| 83.225 | 0.0000 | 0.0000 | 74.530 | 0.34147 | 0.00000 | 789605.1 | 779153.1 | 0.0 | S |
| 83.233 | 0.0000 | 0.0000 | 74.529 | 0.34124 | 0.00000 | 789605.1 | 779163.3 | 0.0 | S |
| 83.242 | 0.0000 | 0.0000 | 74.528 | 0.34102 | 0.00000 | 789605.1 | 779173.5 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 5100 yr/24 hr

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative <br> Discharge <br> Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 83.250 | 0.0000 | 0.0000 | 74.527 | 0.34079 | 0.00000 | 789605.1 | 779183.8 | 0.0 | S |
| 83.258 | 0.0000 | 0.0000 | 74.526 | 0.34057 | 0.00000 | 789605.1 | 779193.9 | 0.0 | S |
| 83.267 | 0.0000 | 0.0000 | 74.525 | 0.34034 | 0.00000 | 789605.1 | 779204.2 | 0.0 | S |
| 83.275 | 0.0000 | 0.0000 | 74.524 | 0.34011 | 0.00000 | 789605.1 | 779214.4 | 0.0 | S |
| 83.283 | 0.0000 | 0.0000 | 74.523 | 0.33989 | 0.00000 | 789605.1 | 779224.6 | 0.0 | S |
| 83.292 | 0.0000 | 0.0000 | 74.522 | 0.33966 | 0.00000 | 789605.1 | 779234.8 | 0.0 | S |
| 83.300 | 0.0000 | 0.0000 | 74.521 | 0.33943 | 0.00000 | 789605.1 | 779244.9 | 0.0 | S |
| 83.308 | 0.0000 | 0.0000 | 74.519 | 0.33921 | 0.00000 | 789605.1 | 779255.1 | 0.0 | S |
| 83.317 | 0.0000 | 0.0000 | 74.518 | 0.33898 | 0.00000 | 789605.1 | 779265.3 | 0.0 | S |
| 83.325 | 0.0000 | 0.0000 | 74.517 | 0.33875 | 0.00000 | 789605.1 | 779275.5 | 0.0 | S |
| 83.333 | 0.0000 | 0.0000 | 74.516 | 0.33853 | 0.00000 | 789605.1 | 779285.6 | 0.0 | S |
| 83.342 | 0.0000 | 0.0000 | 74.515 | 0.33830 | 0.00000 | 789605.1 | 779295.8 | 0.0 | S |
| 83.350 | 0.0000 | 0.0000 | 74.514 | 0.33807 | 0.00000 | 789605.1 | 779305.9 | 0.0 | S |
| 83.358 | 0.0000 | 0.0000 | 74.513 | 0.33784 | 0.00000 | 789605.1 | 779316.1 | 0.0 | S |
| 83.367 | 0.0000 | 0.0000 | 74.512 | 0.33761 | 0.00000 | 789605.1 | 779326.2 | 0.0 | S |
| 83.375 | 0.0000 | 0.0000 | 74.511 | 0.33739 | 0.00000 | 789605.1 | 779336.3 | 0.0 | S |
| 83.383 | 0.0000 | 0.0000 | 74.509 | 0.33716 | 0.00000 | 789605.1 | 779346.4 | 0.0 | S |
| 83.392 | 0.0000 | 0.0000 | 74.508 | 0.33693 | 0.00000 | 789605.1 | 779356.6 | 0.0 | S |
| 83.400 | 0.0000 | 0.0000 | 74.507 | 0.33670 | 0.00000 | 789605.1 | 779366.7 | 0.0 | S |
| 83.408 | 0.0000 | 0.0000 | 74.506 | 0.33647 | 0.00000 | 789605.1 | 779376.8 | 0.0 | S |
| 83.417 | 0.0000 | 0.0000 | 74.505 | 0.33624 | 0.00000 | 789605.1 | 779386.9 | 0.0 | S |
| 83.425 | 0.0000 | 0.0000 | 74.504 | 0.33602 | 0.00000 | 789605.1 | 779396.9 | 0.0 | S |
| 83.433 | 0.0000 | 0.0000 | 74.503 | 0.33579 | 0.00000 | 789605.1 | 779407.0 | 0.0 | S |
| 83.442 | 0.0000 | 0.0000 | 74.502 | 0.33556 | 0.00000 | 789605.1 | 779417.1 | 0.0 | S |
| 83.450 | 0.0000 | 0.0000 | 74.501 | 0.33533 | 0.00000 | 789605.1 | 779427.1 | 0.0 | S |
| 83.458 | 0.0000 | 0.0000 | 74.499 | 0.33510 | 0.00000 | 789605.1 | 779437.2 | 0.0 | S |
| 83.467 | 0.0000 | 0.0000 | 74.498 | 0.33487 | 0.00000 | 789605.1 | 779447.3 | 0.0 | S |
| 83.475 | 0.0000 | 0.0000 | 74.497 | 0.33464 | 0.00000 | 789605.1 | 779457.3 | 0.0 | S |
| 83.483 | 0.0000 | 0.0000 | 74.496 | 0.33441 | 0.00000 | 789605.1 | 779467.3 | 0.0 | S |
| 83.492 | 0.0000 | 0.0000 | 74.495 | 0.33418 | 0.00000 | 789605.1 | 779477.4 | 0.0 | S |
| 83.500 | 0.0000 | 0.0000 | 74.494 | 0.33395 | 0.00000 | 789605.1 | 779487.4 | 0.0 | S |
| 83.508 | 0.0000 | 0.0000 | 74.493 | 0.33372 | 0.00000 | 789605.1 | 779497.4 | 0.0 | S |
| 83.517 | 0.0000 | 0.0000 | 74.492 | 0.33349 | 0.00000 | 789605.1 | 779507.4 | 0.0 | S |
| 83.525 | 0.0000 | 0.0000 | 74.490 | 0.33326 | 0.00000 | 789605.1 | 779517.4 | 0.0 | S |
| 83.533 | 0.0000 | 0.0000 | 74.489 | 0.33303 | 0.00000 | 789605.1 | 779527.4 | 0.0 | S |
| 83.542 | 0.0000 | 0.0000 | 74.488 | 0.33280 | 0.00000 | 789605.1 | 779537.4 | 0.0 | S |
| 83.550 | 0.0000 | 0.0000 | 74.487 | 0.33257 | 0.00000 | 789605.1 | 779547.4 | 0.0 | S |
| 83.558 | 0.0000 | 0.0000 | 74.486 | 0.33233 | 0.00000 | 789605.1 | 779557.3 | 0.0 | S |
| 83.567 | 0.0000 | 0.0000 | 74.485 | 0.33210 | 0.00000 | 789605.1 | 779567.3 | 0.0 | S |
| 83.575 | 0.0000 | 0.0000 | 74.484 | 0.33187 | 0.00000 | 789605.1 | 779577.3 | 0.0 | S |
| 83.583 | 0.0000 | 0.0000 | 74.483 | 0.33164 | 0.00000 | 789605.1 | 779587.3 | 0.0 | S |
| 83.592 | 0.0000 | 0.0000 | 74.481 | 0.33141 | 0.00000 | 789605.1 | 779597.2 | 0.0 | S |
| 83.600 | 0.0000 | 0.0000 | 74.480 | 0.33118 | 0.00000 | 789605.1 | 779607.1 | 0.0 | S |
| 83.608 | 0.0000 | 0.0000 | 74.479 | 0.33094 | 0.00000 | 789605.1 | 779617.1 | 0.0 | S |
| 83.617 | 0.0000 | 0.0000 | 74.478 | 0.33071 | 0.00000 | 789605.1 | 779626.9 | 0.0 | S |
| 83.625 | 0.0000 | 0.0000 | 74.477 | 0.33048 | 0.00000 | 789605.1 | 779636.9 | 0.0 | S |
| 83.633 | 0.0000 | 0.0000 | 74.476 | 0.33025 | 0.00000 | 789605.1 | 779646.8 | 0.0 | S |
| 83.642 | 0.0000 | 0.0000 | 74.475 | 0.33001 | 0.00000 | 789605.1 | 779656.7 | 0.0 | S |
| 83.650 | 0.0000 | 0.0000 | 74.474 | 0.32978 | 0.00000 | 789605.1 | 779666.6 | 0.0 | S |
| 83.658 | 0.0000 | 0.0000 | 74.473 | 0.32955 | 0.00000 | 789605.1 | 779676.5 | 0.0 | S |
| 83.667 | 0.0000 | 0.0000 | 74.471 | 0.32931 | 0.00000 | 789605.1 | 779686.4 | 0.0 | S |
| 83.675 | 0.0000 | 0.0000 | 74.470 | 0.32908 | 0.00000 | 789605.1 | 779696.3 | 0.0 | S |
| 83.683 | 0.0000 | 0.0000 | 74.469 | 0.32885 | 0.00000 | 789605.1 | 779706.1 | 0.0 | S |
| 83.692 | 0.0000 | 0.0000 | 74.468 | 0.32861 | 0.00000 | 789605.1 | 779716.0 | 0.0 | S |
| 83.700 | 0.0000 | 0.0000 | 74.467 | 0.32838 | 0.00000 | 789605.1 | 779725.8 | 0.0 | S |
| 83.708 | 0.0000 | 0.0000 | 74.466 | 0.32814 | 0.00000 | 789605.1 | 779735.7 | 0.0 | S |
| 83.717 | 0.0000 | 0.0000 | 74.465 | 0.32791 | 0.00000 | 789605.1 | 779745.5 | 0.0 | S |
| 83.725 | 0.0000 | 0.0000 | 74.463 | 0.32768 | 0.00000 | 789605.1 | 779755.4 | 0.0 | S |
| 83.733 | 0.0000 | 0.0000 | 74.462 | 0.32744 | 0.00000 | 789605.1 | 779765.2 | 0.0 | S |
| 83.742 | 0.0000 | 0.0000 | 74.461 | 0.32721 | 0.00000 | 789605.1 | 779775.0 | 0.0 | S |
| 83.750 | 0.0000 | 0.0000 | 74.460 | 0.32697 | 0.00000 | 789605.1 | 779784.8 | 0.0 | S |
| 83.758 | 0.0000 | 0.0000 | 74.459 | 0.32674 | 0.00000 | 789605.1 | 779794.6 | 0.0 | S |
| 83.767 | 0.0000 | 0.0000 | 74.458 | 0.32650 | 0.00000 | 789605.1 | 779804.4 | 0.0 | S |
| 83.775 | 0.0000 | 0.0000 | 74.457 | 0.32626 | 0.00000 | 789605.1 | 779814.2 | 0.0 | S |
| 83.783 | 0.0000 | 0.0000 | 74.456 | 0.32603 | 0.00000 | 789605.1 | 779824.0 | 0.0 | S |
| 83.792 | 0.0000 | 0.0000 | 74.454 | 0.32579 | 0.00000 | 789605.1 | 779833.8 | 0.0 | S |
| 83.800 | 0.0000 | 0.0000 | 74.453 | 0.32556 | 0.00000 | 789605.1 | 779843.6 | 0.0 | S |
| 83.808 | 0.0000 | 0.0000 | 74.452 | 0.32532 | 0.00000 | 789605.1 | 779853.3 | 0.0 | S |
| 83.817 | 0.0000 | 0.0000 | 74.451 | 0.32508 | 0.00000 | 789605.1 | 779863.1 | 0.0 | S |
| 83.825 | 0.0000 | 0.0000 | 74.450 | 0.32485 | 0.00000 | 789605.1 | 779872.8 | 0.0 | S |
| 83.833 | 0.0000 | 0.0000 | 74.449 | 0.32461 | 0.00000 | 789605.1 | 779882.6 | 0.0 | S |
| 83.842 | 0.0000 | 0.0000 | 74.448 | 0.32437 | 0.00000 | 789605.1 | 779892.3 | 0.0 | S |
| 83.850 | 0.0000 | 0.0000 | 74.446 | 0.32414 | 0.00000 | 789605.1 | 779902.0 | 0.0 | S |
| 83.858 | 0.0000 | 0.0000 | 74.445 | 0.32390 | 0.00000 | 789605.1 | 779911.8 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{fl}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 83.867 | 0.0000 | 0.0000 | 74.444 | 0.32366 | 0.00000 | 789605.1 | 779921.4 | 0.0 | S |
| 83.875 | 0.0000 | 0.0000 | 74.443 | 0.32343 | 0.00000 | 789605.1 | 779931.1 | 0.0 | S |
| 83.883 | 0.0000 | 0.0000 | 74.442 | 0.32319 | 0.00000 | 789605.1 | 779940.9 | 0.0 | S |
| 83.892 | 0.0000 | 0.0000 | 74.441 | 0.32295 | 0.00000 | 789605.1 | 779950.6 | 0.0 | S |
| 83.900 | 0.0000 | 0.0000 | 74.440 | 0.32271 | 0.00000 | 789605.1 | 779960.3 | 0.0 | S |
| 83.908 | 0.0000 | 0.0000 | 74.438 | 0.32247 | 0.00000 | 789605.1 | 779969.9 | 0.0 | S |
| 83.917 | 0.0000 | 0.0000 | 74.437 | 0.32224 | 0.00000 | 789605.1 | 779979.6 | 0.0 | S |
| 83.925 | 0.0000 | 0.0000 | 74.436 | 0.32200 | 0.00000 | 789605.1 | 779989.3 | 0.0 | S |
| 83.933 | 0.0000 | 0.0000 | 74.435 | 0.32176 | 0.00000 | 789605.1 | 779998.9 | 0.0 | S |
| 83.942 | 0.0000 | 0.0000 | 74.434 | 0.32152 | 0.00000 | 789605.1 | 780008.6 | 0.0 | S |
| 83.950 | 0.0000 | 0.0000 | 74.433 | 0.32128 | 0.00000 | 789605.1 | 780018.2 | 0.0 | S |
| 83.958 | 0.0000 | 0.0000 | 74.432 | 0.32104 | 0.00000 | 789605.1 | 780027.8 | 0.0 | S |
| 83.967 | 0.0000 | 0.0000 | 74.430 | 0.32080 | 0.00000 | 789605.1 | 780037.4 | 0.0 | S |
| 83.975 | 0.0000 | 0.0000 | 74.429 | 0.32056 | 0.00000 | 789605.1 | 780047.1 | 0.0 | S |
| 83.983 | 0.0000 | 0.0000 | 74.428 | 0.32032 | 0.00000 | 789605.1 | 780056.7 | 0.0 | S |
| 83.992 | 0.0000 | 0.0000 | 74.427 | 0.32008 | 0.00000 | 789605.1 | 780066.3 | 0.0 | S |
| 84.000 | 0.0000 | 0.0000 | 74.426 | 0.31984 | 0.00000 | 789605.1 | 780075.9 | 0.0 | S |
| 84.008 | 0.0000 | 0.0000 | 74.425 | 0.31960 | 0.00000 | 789605.1 | 780085.5 | 0.0 | S |
| 84.017 | 0.0000 | 0.0000 | 74.424 | 0.31936 | 0.00000 | 789605.1 | 780095.1 | 0.0 | S |
| 84.025 | 0.0000 | 0.0000 | 74.422 | 0.31912 | 0.00000 | 789605.1 | 780104.6 | 0.0 | S |
| 84.033 | 0.0000 | 0.0000 | 74.421 | $0.3 \ddagger 888$ | 0.00000 | 789605.1 | 780114.2 | 0.0 | S |
| 84.042 | 0.0000 | 0.0000 | 74.420 | 0.31864 | 0.00000 | 789605.1 | 780123.8 | 0.0 | S |
| 84.050 | 0.0000 | 0.0000 | 74.419 | 0.31840 | 0.00000 | 789605.1 | 780133.3 | 0.0 | S |
| 84.058 | 0.0000 | 0.0000 | 74.418 | 0.31815 | 0.00000 | 789605.1 | 780142.9 | 0.0 | S |
| 84.067 | 0.0000 | 0.0000 | 74.417 | 0.31791 | 0.00000 | 789605.7 | 780152.4 | 0.0 | S |
| 84.075 | 0.0000 | 0.0000 | 74.416 | 0.31767 | 0.00000 | 789605.1 | 780161.9 | 0.0 | S |
| 84.083 | 0.0000 | 0.0000 | 74.414 | 0.31743 | 0.00000 | 789605.1 | 780171.5 | 0.0 | S |
| 84.092 | 0.0000 | 0.0000 | 74.413 | 0.31719 | 0.00000 | 789605.1 | 780181.0 | 0.0 | S |
| 84.100 | 0.0000 | 0.0000 | 74.412 | 0.31694 | 0.00000 | 789605.1 | 780190.5 | 0.0 | S |
| 84.108 | 0.0000 | 0.0000 | 74.411 | 0.31670 | 0.00000 | 789605.1 | 780200.0 | 0.0 | S |
| 84.117 | 0.0000 | 0.0000 | 74.410 | 0.31646 | 0.00000 | 789605.1 | 780209.5 | 0.0 | S |
| 84.125 | 0.0000 | 0.0000 | 74.409 | 0.31622 | 0.00000 | 789605.1 | 780219.0 | 0.0 | S |
| 84.133 | 0.0000 | 0.0000 | 74.407 | 0.31597 | 0.00000 | 789605.1 | 780228.5 | 0.0 | S |
| 84.142 | 0.0000 | 0.0000 | 74.406 | 0.31573 | 0.00000 | 789605.1 | 780237.9 | 0.0 | S |
| 84.150 | 0.0000 | 0.0000 | 74.405 | 0.31549 | 0.00000 | 789605.1 | 780247.4 | 0.0 | S |
| 84.158 | 0.0000 | 0.0000 | 74.404 | 0.31524 | 0.00000 | 789605.1 | 780256.9 | 0.0 | S |
| 84.167 | 0.0000 | 0.0000 | 74.403 | 0.31500 | 0.00000 | 789605.1 | 780266.3 | 0.0 | S |
| 84.175 | 0.0000 | 0.0000 | 74.402 | 0.31475 | 0.00000 | 789605.1 | 780275.8 | 0.0 | S |
| 84.183 | 0.0000 | 0.0000 | 74.401 | 0.31451 | 0.00000 | 789605.1 | 780285.3 | 0.0 | S |
| 84.192 | 0.0000 | 0.0000 | 74.399 | 0.31426 | 0.00000 | 789605.1 | 780294.7 | 0.0 | S |
| 84.200 | 0.0000 | 0.0000 | 74.398 | 0.31402 | 0.00000 | 789605.1 | 780304.1 | 0.0 | S |
| 84.208 | 0.0000 | 0.0000 | 74.397 | 0.31377 | 0.00000 | 789605.1 | 780313.5 | 0.0 | S |
| 84.217 | 0.0000 | 0.0000 | 74.396 | 0.31353 | 0.00000 | 789605.1 | 780322.9 | 0.0 | S |
| 84.225 | 0.0000 | 0.0000 | 74.395 | 0.31328 | 0.00000 | 789605.1 | 780332.3 | 0.0 | S |
| 84.233 | 0.0000 | 0.0000 | 74.394 | 0.31304 | 0.00000 | 789605.1 | 780341.7 | 0.0 | S |
| 84.242 | 0.0000 | 0.0000 | 74.392 | 0.31279 | 0.00000 | 789605.1 | 780351.1 | 0.0 | S |
| 84.250 | 0.0000 | 0.0000 | 74.391 | 0.31255 | 0.00000 | 789605.1 | 780360.5 | 0.0 | S |
| 84.258 | 0.0000 | 0.0000 | 74.390 | 0.31230 | 0.00000 | 789605.1 | 780369.9 | 0.0 | S |
| 84.267 | 0.0000 | 0.0000 | 74.389 | 0.31205 | 0.00000 | 789605.1 | 780379.2 | 0.0 | S |
| 84.275 | 0.0000 | 0.0000 | 74.388 | 0.31181 | 0.00000 | 789605.1 | 780388.6 | 0.0 | S |
| 84.283 | 0.0000 | 0.0000 | 74.387 | 0.31156 | 0.00000 | 789605.1 | 780397.9 | 0.0 | S |
| 84.292 | 0.0000 | 0.0000 | 74.385 | 0.31131 | 0.00000 | 789605.1 | 780407.3 | 0.0 | S |
| 84.300 | 0.0000 | 0.0000 | 74.384 | 0.31107 | 0.00000 | 789605.1 | 780416.6 | 0.0 | S |
| 84.308 | 0.0000 | 0.0000 | 74.383 | 0.31082 | 0.00000 | 789605.1 | 780425.9 | 0.0 | S |
| 84.317 | 0.0000 | 0.0000 | 74.382 | 0.31057 | 0.00000 | 789605.1 | 780435.3 | 0.0 | S |
| 84.325 | 0.0000 | 0.0000 | 74.381 | 0.31032 | 0.00000 | 789605.1 | 780444.6 | 0.0 | S |
| 84.333 | 0.0000 | 0.0000 | 74.380 | 0.31008 | 0.00000 | 789605.1 | 780453.9 | 0.0 | S |
| 84.342 | 0.0000 | 0.0000 | 74.378 | 0.30983 | 0.00000 | 789605.1 | 780463.2 | 0.0 | S |
| 84.350 | 0.0000 | 0.0000 | 74.377 | 0.30958 | 0.00000 | 789605.1 | 780472.4 | 0.0 | S |
| 84.358 | 0.0000 | 0.0000 | 74.376 | 0.30933 | 0.00000 | 789605.1 | 780481.8 | 0.0 | S |
| 84.367 | 0.0000 | 0.0000 | 74.375 | 0.30908 | 0.00000 | 789605.1 | 780491.0 | 0.0 | S |
| 84.375 | 0.0000 | 0.0000 | 74.374 | 0.30883 | 0.00000 | 789605.1 | 780500.3 | 0.0 | S |
| 84.383 | 0.0000 | 0.0000 | 74.373 | 0.30858 | 0.00000 | 789605.1 | 780509.6 | 0.0 | S |
| 84.392 | 0.0000 | 0.0000 | 74.371 | 0.30833 | 0.00000 | 789605.1 | 780518.8 | 0.0 | S |
| 84.400 | 0.0000 | 0.0000 | 74.370 | 0.30808 | 0.00000 | 789605.1 | 780528.1 | 0.0 | S |
| 84.408 | 0.0000 | 0.0000 | 74.369 | 0.30783 | 0.00000 | 789605.1 | 780537.3 | 0.0 | S |
| 84.417 | 0.0000 | 0.0000 | 74.368 | 0.30758 | 0.00000 | 789605.1 | 780546.5 | 0.0 | S |
| 84.425 | 0.0000 | 0.0000 | 74.367 | 0.30733 | 0.00000 | 789605.1 | 780555.8 | 0.0 | S |
| 84.433 | 0.0000 | 0.0000 | 74.366 | 0.30708 | 0.00000 | 789605.1 | 780564.9 | 0.0 | S |
| 84.442 | 0.0000 | 0.0000 | 74.364 | 0.30683 | 0.00000 | 789605.1 | 780574.2 | 0.0 | S |
| 84.450 | 0.0000 | 0.0000 | 74.363 | 0.30658 | 0.00000 | 789605.1 | 780583.4 | 0.0 | S |
| 84.458 | 0.0000 | 0.0000 | 74.362 | 0.30633 | 0.00000 | 789605.1 | 780592.6 | 0.0 | S |
| 84.467 | 0.0000 | 0.0000 | 74.361 | 0.30608 | 0.00000 | 789605.1 | 780601.8 | 0.0 | S |
| 84.475 | 0.0000 | 0.0000 | 74.360 | 0.30583 | 0.00000 | 789605.1 | 780610.9 | 0.0 | S |

# PONDS Version 3.2.0207 

Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 5100 yr/24 hr

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (fUday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{t}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative <br> Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 84.483 | 0.0000 | 0.0000 | 74.359 | 0.30558 | 0.00000 | 789605.1 | 780620.1 | 0.0 | S |
| 84.492 | 0.0000 | 0.0000 | 74.357 | 0.30532 | 0.00000 | 789605.1 | 780629.3 | 0.0 | S |
| 84.500 | 0.0000 | 0.0000 | 74.356 | 0.30507 | 0.00000 | 789605.1 | 780638.4 | 0.0 | S |
| 84.508 | 0.0000 | 0.0000 | 74.355 | 0.30482 | 0.00000 | 789605.1 | 780647.6 | 0.0 | S |
| 84.517 | 0.0000 | 0.0000 | 74.354 | 0.30457 | 0.00000 | 789605.1 | 780656.7 | 0.0 | S |
| 84.525 | 0.0000 | 0.0000 | 74.353 | 0.30431 | 0.00000 | 789605.1 | 780665.8 | 0.0 | S |
| 84.533 | 0.0000 | 0.0000 | 74.351 | 0.30406 | 0.00000 | 789605.1 | 780674.9 | 0.0 | S |
| 84.542 | 0.0000 | 0.0000 | 74.350 | 0,30381 | 0.00000 | 789605.1 | 780684.1 | 0.0 | S |
| 84.550 | 0.0000 | 0.0000 | 74.349 | 0.30355 | 0.00000 | 789605.1 | 780693.2 | 0.0 | S |
| 84.558 | 0.0000 | 0.0000 | 74.348 | 0.30330 | 0.00000 | 789605.1 | 780702.3 | 0.0 | S |
| 84.567 | 0.0000 | 0.0000 | 74.347 | 0.30304 | 0.00000 | 789605.1 | 780711.4 | 0.0 | S |
| 84.575 | 0.0000 | 0.0000 | 74.346 | 0.30279 | 0.00000 | 789605.1 | 780720.5 | 0.0 | S |
| 84.583 | 0.0000 | 0.0000 | 74.344 | 0.30253 | 0.00000 | 789605.1 | 780729.6 | 0.0 | S |
| 84.592 | 0.0000 | 0.0000 | 74.343 | 0.30228 | 0.00000 | 789605.1 | 780738.6 | 0.0 | S |
| 84.600 | 0.0000 | 0.0000 | 74.342 | 0.30202 | 0.00000 | 789605.1 | 780747.7 | 0.0 | S |
| 84.608 | 0.0000 | 0.0000 | 74.341 | 0.30177 | 0.00000 | 789605.1 | 780756.8 | 0.0 | S |
| 84.617 | 0.0000 | 0.0000 | 74.340 | 0.30151 | 0.00000 | 789605.1 | 780765.8 | 0.0 | S |
| 84.625 | 0.0000 | 0.0000 | 74.338 | 0.30126 | 0.00000 | 789605.1 | 780774.8 | 0.0 | S |
| 84.633 | 0.0000 | 0.0000 | 74.337 | 0.30100 | 0.00000 | 789605.1 | 780783.9 | 0.0 | S |
| 84.642 | 0.0000 | 0.0000 | 74.336 | 0.30075 | 0.00000 | 789605.1 | 780792.9 | 0.0 | S |
| 84.650 | 0.0000 | 0.0000 | 74.335 | 0.30049 | 0.00000 | 789605.1 | 780801.9 | 0.0 | S |
| 84.658 | 0.0000 | 0.0000 | 74.334 | 0.30023 | 0.00000 | 789605.1 | 780810.9 | 0.0 | S |
| 84.667 | 0.0000 | 0.0000 | 74.332 | 0.29998 | 0.00000 | 789605.1 | 780819.9 | 0.0 | S |
| 84.675 | 0.0000 | 0.0000 | 74.331 | 0.29972 | 0.00000 | 789605.1 | 780828.9 | 0.0 | S |
| 84.683 | 0.0000 | 0.0000 | 74.330 | 0.29946 | 0.00000 | 789605.1 | 780837.9 | 0.0 | S |
| 84.692 | 0.0000 | 0.0000 | 74.329 | 0.29920 | 0.00000 | 789605.1 | 780846.9 | 0.0 | S |
| 84.700 | 0.0000 | 0.0000 | 74.328 | 0.29895 | 0.00000 | 789605.1 | 780855.9 | 0.0 | S |
| 84.708 | 0.0000 | 0.0000 | 74.326 | 0.29869 | 0.00000 | 789605.1 | 780864.8 | 0.0 | S |
| 84.717 | 0.0000 | 0.0000 | 74.325 | 0.29843 | 0.00000 | 789605.1 | 780873.8 | 0.0 | S |
| 84.725 | 0.0000 | 0.0000 | 74.324 | 0.29817 | 0.00000 | 789605.1 | 780882.8 | 0.0 | S |
| 84.733 | 0.0000 | 0.0000 | 74.323 | 0.29791 | 0.00000 | 789605.1 | 780891.7 | 0.0 | S |
| 84.742 | 0.0000 | 0.0000 | 74.322 | 0.29765 | 0.00000 | 789605.1 | 780900.6 | 0.0 | S |
| 84.750 | 0.0000 | 0.0000 | 74.320 | 0.29739 | 0.00000 | 789605.1 | 780909.6 | 0.0 | S |
| 84.758 | 0.0000 | 0.0000 | 74.319 | 0.29713 | 0.00000 | 789605.1 | 780918.4 | 0.0 | S |
| 84.767 | 0.0000 | 0.0000 | 74.318 | 0.29687 | 0.00000 | 789605.1 | 780927.4 | 0.0 | S |
| 84.775 | 0.0000 | 0.0000 | 74.317 | 0.29661 | 0.00000 | 789605.1 | 780936.3 | 0.0 | S |
| 84.783 | 0.0000 | 0.0000 | 74.316 | 0.29635 | 0.00000 | 789605.1 | 780945.2 | 0.0 | S |
| 84.792 | 0.0000 | 0.0000 | 74.314 | 0.29609 | 0.00000 | 789605.1 | 780954.1 | 0.0 | S |
| 84.800 | 0.0000 | 0.0000 | 74.313 | 0.29583 | 0.00000 | 789605.1 | 780962.9 | 0.0 | S |
| 84.808 | 0.0000 | 0.0000 | 74.312 | 0.29557 | 0.00000 | 789605.1 | 780971.8 | 0.0 | S |
| 84.817 | 0.0000 | 0.0000 | 74.311 | 0.29531 | 0.00000 | 789605.1 | 780980.7 | 0.0 | S |
| 84.825 | 0.0000 | 0.0000 | 74.310 | 0.29505 | 0.00000 | 789605.1 | 780989.5 | 0.0 | S |
| 84.833 | 0.0000 | 0.0000 | 74.308 | 0.29478 | 0.00000 | 789605.1 | 780998.4 | 0.0 | S |
| 84.842 | 0.0000 | 0.0000 | 74.307 | 0.29452 | 0.00000 | 789605.1 | 781007.2 | 0.0 | S |
| 84.850 | 0.0000 | 0.0000 | 74.306 | 0.29426 | 0.00000 | 789605.1 | 781016.1 | 0.0 | S |
| 84.858 | 0.0000 | 0.0000 | 74.305 | 0.29400 | 0.00000 | 789605.1 | 781024.9 | 0.0 | S |
| 84.867 | 0.0000 | 0.0000 | 74.304 | 0.29373 | 0.00000 | 789605.1 | 781033.7 | 0.0 | S |
| 84.875 | 0.0000 | 0.0000 | 74.302 | 0.29347 | 0.00000 | 789605.1 | 781042.5 | 0.0 | S |
| 84.883 | 0.0000 | 0.0000 | 74.301 | 0.29321 | 0.00000 | 789605.1 | 781051.3 | 0.0 | S |
| 84.892 | 0.0000 | 0.0000 | 74.300 | 0.29294 | 0.00000 | 789605.1 | 781060.1 | 0.0 | S |
| 84.900 | 0.0000 | 0.0000 | 74.299 | 0.29268 | 0.00000 | 789605.1 | 781068.9 | 0.0 | S |
| 84.908 | 0.0000 | 0.0000 | 74.298 | 0.29242 | 0.00000 | 789605.1 | 781077.6 | 0.0 | S |
| 84.917 | 0.0000 | 0.0000 | 74.296 | 0.29215 | 0.00000 | 789605.1 | 781086.4 | 0.0 | S |
| 84.925 | 0.0000 | 0.0000 | 74.295 | 0.29189 | 0.00000 | 789605.1 | 781095.2 | 0.0 | S |
| 84.933 | 0.0000 | 0.0000 | 74.294 | 0.29162 | 0.00000 | 789605.1 | 781103.9 | 0.0 | S |
| 84.942 | 0.0000 | 0.0000 | 74.293 | 0.29136 | 0.00000 | 789605.1 | 781112.7 | 0.0 | S |
| 84.950 | 0.0000 | 0.0000 | 74.292 | 0.29109 | 0.00000 | 789605.1 | 781121.4 | 0.0 | S |
| 84.958 | 0.0000 | 0.0000 | 74.290 | 0.29082 | 0.00000 | 789605.1 | 781130.1 | 0.0 | S |
| 84.967 | 0.0000 | 0.0000 | 74.289 | 0.29056 | 0.00000 | 789605.1 | 781138.9 | 0.0 | S |
| 84.975 | 0.0000 | 0.0000 | 74.288 | 0.29029 | 0.00000 | 789605.1 | 781147.6 | 0.0 | S |
| 84.983 | 0.0000 | 0.0000 | 74.287 | 0.29002 | 0.00000 | 789605.1 | 781156.3 | 0.0 | S |
| 84.992 | 0.0000 | 0.0000 | 74.285 | 0.28976 | 0.00000 | 789605.1 | 781164.9 | 0.0 | S |
| 85.000 | 0.0000 | 0.0000 | 74.284 | 0.28949 | 0.00000 | 789605.1 | 781173.6 | 0.0 | S |
| 85.008 | 0.0000 | 0.0000 | 74.283 | 0.28922 | 0.00000 | 789605.1 | 781182.3 | 0.0 | S |
| 85.017 | 0.0000 | 0.0000 | 74.282 | 0.28896 | 0.00000 | 789605.1 | 781191.0 | 0.0 | S |
| 85.025 | 0.0000 | 0.0000 | 74.281 | 0.28869 | 0.00000 | 789605.1 | 781199.7 | 0.0 | S |
| 85.033 | 0.0000 | 0.0000 | 74.279 | 0.28842 | 0.00000 | 789605.1 | 781208.3 | 0.0 | S |
| 85.042 | 0.0000 | 0.0000 | 74.278 | 0.28815 | 0.00000 | 789605.1 | 781217.0 | 0.0 | S |
| 85.050 | 0.0000 | 0.0000 | 74.277 | 0.28788 | 0.00000 | 789605.1 | 781225.6 | 0.0 | S |
| 85.058 | 0.0000 | 0.0000 | 74.276 | 0.28761 | 0.00000 | 789605.1 | 781234.3 | 0.0 | S |
| 85.067 | 0.0000 | 0.0000 | 74.274 | 0.28734 | 0.00000 | 789605.1 | 781242.9 | 0.0 | S |
| 85.075 | 0.0000 | 0.0000 | 74.273 | 0.28707 | 0.00000 | 789605.1 | 781251.5 | 0.0 | S |
| 85.083 | 0.0000 | 0.0000 | 74.272 | 0.28680 | 0.00000 | 789605.1 | 781260.1 | 0.0 | S |
| 85.092 | 0.0000 | 0.0000 | 74.271 | 0.28653 | 0.00000 | 789605.1 | 781268.7 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 5100 yr / 24 hr

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 85.100 | 0.0000 | 0.0000 | 74.270 | 0.28626 | 0.00000 | 789605.1 | 781277.3 | 0.0 | S |
| 85.108 | 0.0000 | 0.0000 | 74.268 | 0.28599 | 0.00000 | 789605.1 | 781285.9 | 0.0 | S |
| 85.117 | 0.0000 | 0.0000 | 74.267 | 0.28572 | 0.00000 | 789605.1 | 781294.4 | 0.0 | S |
| 85.125 | 0.0000 | 0.0000 | 74.266 | 0.28545 | 0.00000 | 789605.1 | 781303.0 | 0.0 | S |
| 85.133 | 0.0000 | 0.0000 | 74.265 | 0.28518 | 0.00000 | 789605.1 | 781311.6 | 0.0 | S |
| 85.142 | 0.0000 | 0.0000 | 74.263 | 0.28490 | 0.00000 | 789605.1 | 781320.1 | 0.0 | S |
| 85.150 | 0.0000 | 0.0000 | 74.262 | 0.28463 | 0.00000 | 789605.1 | 781328.7 | 0.0 | S |
| 85.158 | 0.0000 | 0.0000 | 74.261 | 0.28436 | 0.00000 | 789605.1 | 781337.2 | 0.0 | S |
| 85.167 | 0.0000 | 0.0000 | 74.260 | 0.28408 | 0.00000 | 789605.1 | 781345.8 | 0.0 | S |
| 85.175 | 0.0000 | 0.0000 | 74.259 | 0.28381 | 0.00000 | 789605.1 | 781354.3 | 0.0 | S |
| 85.183 | 0.0000 | 0.0000 | 74.257 | 0.28354 | 0.00000 | 789605.1 | 781362.8 | 0.0 | S |
| 85.192 | 0.0000 | 0.0000 | 74.256 | 0.28326 | 0.00000 | 789605.1 | 781371.3 | 0.0 | S |
| 85.200 | 0.0000 | 0.0000 | 74.255 | 0.28299 | 0.00000 | 789605.1 | 781379.8 | 0.0 | S |
| 85.208 | 0.0000 | 0.0000 | 74.254 | 0.28272 | 0.00000 | 789605.1 | 781388.3 | 0.0 | S |
| 85.217 | 0.0000 | 0.0000 | 74.252 | 0.28244 | 0.00000 | 789605.1 | 781396.8 | 0.0 | S |
| 85.225 | 0.0000 | 0.0000 | 74.251 | 0.28216 | 0.00000 | 789605.1 | 781405.2 | 0.0 | S |
| 85.233 | 0.0000 | 0.0000 | 74.250 | 0.28189 | 0.00000 | 789605.1 | 781413.6 | 0.0 | S |
| 85.242 | 0.0000 | 0.0000 | 74.249 | 0.28161 | 0.00000 | 789605.1 | 781422.1 | 0.0 | S |
| 85.250 | 0.0000 | 0.0000 | 74.247 | 0.28134 | 0.00000 | 789605.1 | 781430.6 | 0.0 | S |
| 85.258 | 0.0000 | 0.0000 | 74.246 | 0.28106 | 0.00000 | 789605.1 | 781439.0 | 0.0 | S |
| 85.267 | 0.0000 | 0.0000 | 74.245 | 0.28078 | 0.00000 | 789605.1 | 781447.4 | 0.0 | S |
| 85.275 | 0.0000 | 0.0000 | 74.244 | 0.28051 | 0.00000 | 789605.1 | 781455.8 | 0.0 | S |
| 85.283 | 0.0000 | 0.0000 | 74.242 | 0.28023 | 0.00000 | 789605.1 | 781464.3 | 0.0 | S |
| 85.292 | 0.0000 | 0.0000 | 74.241 | 0.27995 | 0.00000 | 789605.1 | 781472.6 | 0.0 | S |
| 85.300 | 0.0000 | 0.0000 | 74.240 | 0.27967 | 0.00000 | 789605.1 | 781481.1 | 0.0 | S |
| 85.308 | 0.0000 | 0.0000 | 74.239 | 0.27940 | 0.00000 | 789605.1 | 781489.4 | 0.0 | S |
| 85.317 | 0.0000 | 0.0000 | 74.237 | 0.27912 | 0.00000 | 789605.1 | 781497.8 | 0.0 | S |
| 85.325 | 0.0000 | 0.0000 | 74.236 | 0.27884 | 0.00000 | 789605.1 | 781506.2 | 0.0 | S |
| 85.333 | 0.0000 | 0.0000 | 74.235 | 0.27856 | 0.00000 | 789605.1 | 781514.6 | 0.0 | S |
| 85.342 | 0.0000 | 0.0000 | 74.234 | 0.27828 | 0.00000 | 789605.1 | 781522.9 | 0.0 | S |
| 85.350 | 0.0000 | 0.0000 | 74.232 | 0.27800 | 0.00000 | 789605.1 | 781531.3 | 0.0 | S |
| 85.358 | 0.0000 | 0.0000 | 74.231 | 0.27772 | 0.00000 | 789605.1 | 781539.6 | 0.0 | S |
| 85.367 | 0.0000 | 0.0000 | 74.230 | 0.27744 | 0.00000 | 789605.1 | 781547.9 | 0.0 | S |
| 85.375 | 0.0000 | 0.0000 | 74.229 | 0.27716 | 0.00000 | 789605.1 | 781556.2 | 0.0 | S |
| 85.383 | 0.0000 | 0.0000 | 74.227 | 0.27688 | 0.00000 | 789605.1 | 781564.5 | 0.0 | S |
| 85.392 | 0.0000 | 0.0000 | 74.226 | 0.27659 | 0.00000 | 789605.1 | 781572.8 | 0.0 | S |
| 85.400 | 0.0000 | 0.0000 | 74.225 | 0.27631 | 0.00000 | 789605.1 | 781581.1 | 0.0 | S |
| 85.408 | 0.0000 | 0.0000 | 74.224 | 0.27603 | 0.00000 | 789605.1 | 781589.4 | 0.0 | S |
| 85.417 | 0.0000 | 0.0000 | 74.222 | 0.27575 | 0.00000 | 789605.1 | 781597.7 | 0.0 | S |
| 85.425 | 0.0000 | 0.0000 | 74.221 | 0.27546 | 0.00000 | 789605.1 | 781605.9 | 0.0 | S |
| 85.433 | 0.0000 | 0.0000 | 74.220 | 0.27518 | 0.00000 | 789605.1 | 781614.2 | 0.0 | S |
| 85.442 | 0.0000 | 0.0000 | 74.219 | 0.27490 | 0.00000 | 789605.1 | 781622.4 | 0.0 | S |
| 85.450 | 0.0000 | 0.0000 | 74.217 | 0.27461 | 0.00000 | 789605.1 | 781630.7 | 0.0 | S |
| 85.458 | 0.0000 | 0.0000 | 74.216 | 0.27433 | 0.00000 | 789605.1 | 781638.9 | 0.0 | S |
| 85.467 | 0.0000 | 0.0000 | 74.215 | 0.27404 | 0.00000 | 789605.1 | 781647.2 | 0.0 | S |
| 85.475 | 0.0000 | 0.0000 | 74.214 | 0.27376 | 0.00000 | 789605.1 | 781655.4 | 0.0 | S |
| 85.483 | 0.0000 | 0.0000 | 74.212 | 0.27347 | 0.00000 | 789605.1 | 781663.6 | 0.0 | S |
| 85.492 | 0.0000 | 0.0000 | 74.211 | 0.27319 | 0.00000 | 789605.1 | 781671.8 | 0.0 | S |
| 85.500 | 0.0000 | 0.0000 | 74.210 | 0.27290 | 0.00000 | 789605.1 | 781680.0 | 0.0 | S |
| 85.508 | 0.0000 | 0.0000 | 74.209 | 0.27262 | 0.00000 | 789605.1 | 781688.2 | 0.0 | S |
| 85.517 | 0.0000 | 0.0000 | 74.207 | 0.27233 | 0.00000 | 789605.1 | 781696.3 | 0.0 | S |
| 85.525 | 0.0000 | 0.0000 | 74.206 | 0.27204 | 0.00000 | 789605.1 | 781704.5 | 0.0 | S |
| 85.533 | 0.0000 | 0.0000 | 74.205 | 0.27175 | 0.00000 | 789605.1 | 781712.7 | 0.0 | S |
| 85.542 | 0.0000 | 0.0000 | 74.203 | 0.27147 | 0.00000 | 789605.1 | 781720.8 | 0.0 | S |
| 85.550 | 0.0000 | 0.0000 | 74.202 | 0.27118 | 0.00000 | 789605.1 | 781728.9 | 0.0 | S |
| 85.558 | 0.0000 | 0.0000 | 74.201 | 0.27089 | 0.00000 | 789605.1 | 781737.1 | 0.0 | S |
| 85.567 | 0.0000 | 0.0000 | 74.200 | 0.27060 | 0.00000 | 789605.1 | 781745.2 | 0.0 | S |
| 85.575 | 0.0000 | 0.0000 | 74.198 | 0.27031 | 0.00000 | 789605.1 | 781753.3 | 0.0 | S |
| 85.583 | 0.0000 | 0.0000 | 74.197 | 0.27002 | 0.00000 | 789605.1 | 781761.4 | 0.0 | S |
| 85.592 | 0.0000 | 0.0000 | 74.196 | 0.26973 | 0.00000 | 789605.1 | 781769.5 | 0.0 | S |
| 85.600 | 0.0000 | 0.0000 | 74,195 | 0.26944 | 0.00000 | 789605.1 | 781777.6 | 0.0 | S |
| 85.608 | 0.0000 | 0.0000 | 74.193 | 0.26915 | 0.00000 | 789605.1 | 781785.7 | 0.0 | S |
| 85.617 | 0.0000 | 0.0000 | 74.192 | 0.26886 | 0.00000 | 789605.1 | 781793.8 | 0.0 | S |
| 85.625 | 0.0000 | 0.0000 | 74.191 | 0.26857 | 0.00000 | 789605.1 | 781801.8 | 0.0 | S |
| 85.633 | 0.0000 | 0.0000 | 74,189 | 0.26827 | 0.00000 | 789605.1 | 781809.9 | 0.0 | S |
| 85.642 | 0.0000 | 0.0000 | 74.188 | 0.26798 | 0.00000 | 789605.1 | 781817.9 | 0.0 | S |
| 85.650 | 0,0000 | 0.0000 | 74.187 | 0.26769 | 0.00000 | 789605.1 | 781825.9 | 0.0 | S |
| 85.658 | 0.0000 | 0.0000 | 74.186 | 0.26740 | 0.00000 | 789605.1 | 781834.0 | 0.0 | S |
| 85.667 | 0.0000 | 0.0000 | 74.184 | 0.26710 | 0.00000 | 789605.1 | 781842.0 | 0.0 | S |
| 85.675 | 0.0000 | 0.0000 | 74.183 | 0.26681 | 0.00000 | 789605.1 | 781850.0 | 0.0 | S |
| 85.683 | 0.0000 | 0.0000 | 74.182 | 0.26651 | 0.00000 | 789605.1 | 781858.0 | 0.0 | S |
| 85.692 | 0.0000 | 0.0000 | 74.181 | 0.26622 | 0.00000 | 789605.1 | 781866.0 | 0.0 | S |
| 85.700 | 0.0000 | 0.0000 | 74.179 | 0.26592 | 0.00000 | 789605.1 | 781873.9 | 0.0 | S |
| 85.708 | 0.0000 | 0.0000 | 74.178 | 0.26563 | 0.00000 | 789605.1 | 781881.9 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario $1::$ Pond 5100 yr / 24 hr

| Ełapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (fi/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{Fl}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{Fl}^{3 / \mathrm{s}}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative <br> Discharge <br> Volume ( $\mathrm{ff}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 85.717 | 0.0000 | 0.0000 | 74.177 | 0.26533 | 0.00000 | 789605.1 | 781889.9 | 0.0 | S |
| 85.725 | 0.0000 | 0.0000 | 74.175 | 0.26504 | 0.00000 | 789605.1 | 781897.9 | 0.0 | S |
| 85.733 | 0.0000 | 0.0000 | 74.174 | 0.26474 | 0.00000 | 789605.1 | 781905.8 | 0.0 | S |
| 85.742 | 0.0000 | 0.0000 | 74.173 | 0.26444 | 0.00000 | 789605.1 | 781913.8 | 0.0 | S |
| 85.750 | 0.0000 | 0.0000 | 74.172 | 0.26415 | 0.00000 | 789605.1 | 781921.7 | 0.0 | S |
| 85.758 | 0.0000 | 0.0000 | 74.170 | 0.26385 | 0.00000 | 789605.1 | 781929.6 | 0.0 | S |
| 85.767 | 0.0000 | 0.0000 | 74.169 | 0.26355 | 0.00000 | 789605.1 | 781937.5 | 0.0 | S |
| 85.775 | 0.0000 | 0.0000 | 74.168 | 0.26325 | 0.00000 | 789605.1 | 781945.4 | 0.0 | S |
| 85.783 | 0.0000 | 0.0000 | 74.166 | 0.26295 | 0.00000 | 789605.1 | 781953.3 | 0.0 | S |
| 85.792 | 0.0000 | 0.0000 | 74.165 | 0.26265 | 0.00000 | 789605.1 | 781961.2 | 0.0 | S |
| 85.800 | 0.0000 | 0.0000 | 74.164 | 0.26235 | 0.00000 | 789605.1 | 781969.1 | 0.0 | S |
| 85.808 | 0.0000 | 0.0000 | 74.162 | 0.26205 | 0.00000 | 789605.1 | 781976.9 | 0.0 | S |
| 85.817 | 0.0000 | 0.0000 | 74.161 | 0.26175 | 0.00000 | 789605.1 | 781984.8 | 0.0 | S |
| 85.825 | 0.0000 | 0.0000 | 74.160 | 0.26145 | 0.00000 | 789605.1 | 781992.6 | 0.0 | S |
| 85.833 | 0.0000 | 0.0000 | 74.159 | 0.26115 | 0.00000 | 789605.1 | 782000.5 | 0.0 | S |
| 85.842 | 0.0000 | 0.0000 | 74.157 | 0.26085 | 0.00000 | 789605.1 | 782008.3 | 0.0 | S |
| 85.850 | 0.0000 | 0.0000 | 74.156 | 0.26054 | 0.00000 | 789605.1 | 782016.1 | 0.0 | S |
| 85.858 | 0.0000 | 0.0000 | 74.155 | 0.26024 | 0.00000 | 789605.1 | 782023.9 | 0.0 | S |
| 85.867 | 0.0000 | 0.0000 | 74.153 | 0.25994 | 0.00000 | 789605.1 | 782031.8 | 0.0 | S |
| 85.875 | 0.0000 | 0.0000 | 74.152 | 0.25963 | 0.00000 | 789605.1 | 782039.5 | 0.0 | S |
| 85.883 | 0.0000 | 0.0000 | 74.151 | 0.25933 | 0.00000 | 789605.1 | 782047.3 | 0.0 | S |
| 85.892 | 0.0000 | 0.0000 | 74.149 | 0.25902 | 0.00000 | 789605.1 | 782055.1 | 0.0 | S |
| 85.900 | 0.0000 | 0.0000 | 74.148 | 0.25872 | 0.00000 | 789605.1 | 782062.9 | 0.0 | S |
| 85.908 | 0.0000 | 0.0000 | 74.147 | 0.25841 | 0.00000 | 789605.1 | 782070.6 | 0.0 | S |
| 85.917 | 0.0000 | 0.0000 | 74.146 | 0.25811 | 0.00000 | 789605.1 | 782078.4 | 0.0 | S |
| 85.925 | 0.0000 | 0.0000 | 74.144 | 0.25780 | 0.00000 | 789605.1 | 782086.1 | 0.0 | S |
| 85.933 | 0.0000 | 0.0000 | 74.143 | 0.25749 | 0.00000 | 789605.1 | 782093.8 | 0.0 | S |
| 85.942 | 0.0000 | 0.0000 | 74.142 | 0.25720 | 0.00000 | 789605.1 | 782101.6 | 0.0 | S |
| 85.950 | 0.0000 | 0.0000 | 74.140 | 0.25689 | 0.00000 | 789605.1 | 782109.3 | 0.0 | S |
| 85.958 | 0.0000 | 0.0000 | 74.139 | 0.25656 | 0.00000 | 789605.1 | 782116.9 | 0.0 | S |
| 85.967 | 0.0000 | 0.0000 | 74.138 | 0.25625 | 0.00000 | 789605.1 | 782124.6 | 0.0 | S |
| 85.975 | 0.0000 | 0.0000 | 74.136 | 0.25595 | 0.00000 | 789605.1 | 782132.3 | 0.0 | S |
| 85.983 | 0.0000 | 0.0000 | 74.135 | 0.25564 | 0.00000 | 789605.1 | 782140.0 | 0.0 | S |
| 85.992 | 0.0000 | 0.0000 | 74.134 | 0.25533 | 0.00000 | 789605.1 | 782147.7 | 0.0 | S |
| 86.000 | 0.0000 | 0.0000 | 74.132 | 0.25502 | 0.00000 | 789605.1 | 782155.3 | 0.0 | S |
| 86.008 | 0.0000 | 0.0000 | 74.131 | 0.25471 | 0.00000 | 789605.1 | 782163.0 | 0.0 | S |
| 86.017 | 0.0000 | 0.0000 | 74.130 | 0.25440 | 0.00000 | 789605.1 | 782170.6 | 0.0 | S |
| 86.025 | 0.0000 | 0.0000 | 74.128 | 0.25410 | 0.00000 | 789605.1 | 782178.3 | 0.0 | S |
| 86.033 | 0.0000 | 0.0000 | 74.127 | 0.25379 | 0.00000 | 789605.1 | 782185.9 | 0.0 | S |
| 86.042 | 0.0000 | 0.0000 | 74.126 | 0.25346 | 0.00000 | 789605.1 | 782193.4 | 0.0 | S |
| 86.050 | 0.0000 | 0.0000 | 74.124 | 0.25315 | 0.00000 | 789605.1 | 782201.1 | 0.0 | S |
| 86.058 | 0.0000 | 0.0000 | 74.123 | 0.25283 | 0.00000 | 789605.1 | 782208.6 | 0.0 | S |
| 86.067 | 0.0000 | 0.0000 | 74.122 | 0.25252 | 0.00000 | 789605.1 | 782216.3 | 0.0 | S |
| 86.075 | 0.0000 | 0.0000 | 74.120 | 0.25220 | 0.00000 | 789605.1 | 782223.8 | 0.0 | S |
| 86.083 | 0.0000 | 0.0000 | 74.119 | 0.25189 | 0.00000 | 789605.1 | 782231.4 | 0.0 | S |
| 86.092 | 0.0000 | 0.0000 | 74.118 | 0.25158 | 0.00000 | 789605.1 | 782238.9 | 0.0 | S |
| 86.100 | 0.0000 | 0.0000 | 74.116 | 0.25126 | 0.00000 | 789605.1 | 782246.4 | 0.0 | S |
| 86.108 | 0.0000 | 0.0000 | 74.115 | 0.25094 | 0.00000 | 789605.1 | 782254.0 | 0.0 | S |
| 86.117 | 0.0000 | 0.0000 | 74.114 | 0.25062 | 0.00000 | 789605.1 | 782261.5 | 0.0 | S |
| 86.125 | 0.0000 | 0.0000 | 74.112 | 0.25030 | 0.00000 | 789605.1 | 782269.1 | 0.0 | S |
| 86.133 | 0.0000 | 0.0000 | 74.111 | 0.24999 | 0.00000 | 789605.1 | 782276.6 | 0.0 | S |
| 86.142 | 0.0000 | 0.0000 | 74.110 | 0.24967 | 0.00000 | 789605.1 | 782284.1 | 0.0 | S |
| 86.150 | 0.0000 | 0.0000 | 74.108 | 0.24935 | 0.00000 | 789605.1 | 782291.5 | 0.0 | S |
| 86.158 | 0.0000 | 0.0000 | 74.107 | 0.24902 | 0.00000 | 789605.1 | 782299.0 | 0.0 | S |
| 86.167 | 0.0000 | 0.0000 | 74.106 | 0.24870 | 0.00000 | 789605.1 | 782306.4 | 0.0 | S |
| 86.175 | 0.0000 | 0.0000 | 74,104 | 0.24839 | 0.00000 | 789605.1 | 782313.9 | 0.0 | S |
| 86.183 | 0.0000 | 0.0000 | 74.103 | 0.24807 | 0.00000 | 789605.1 | 782321.4 | 0.0 | S |
| 86.192 | 0.0000 | 0.0000 | 74.102 | 0.24776 | 0.00000 | 789605.1 | 782328.8 | 0.0 | S |
| 86,200 | 0.0000 | 0.0000 | 74.100 | 0.24744 | 0.00000 | 789605.1 | 782336.3 | 0.0 | S |
| 86.208 | 0.0000 | 0.0000 | 74.099 | 0.24710 | 0.00000 | 789605.1 | 782343.6 | 0.0 | S |
| 86.217 | 0.0000 | 0.0000 | 74.098 | 0.24677 | 0.00000 | 789605.1 | 782351.1 | 0.0 | S |
| 86.225 | 0.0000 | 0.0000 | 74.096 | 0.24646 | 0.00000 | 789605.1 | 782358.4 | 0.0 | S |
| 86.233 | 0.0000 | 0.0000 | 74.095 | 0.24613 | 0.00000 | 789605.1 | 782365.8 | 0.0 | S |
| 86.242 | 0.0000 | 0.0000 | 74.094 | 0.24580 | 0.00000 | 789605.1 | 782373.3 | 0.0 | S |
| 86.250 | 0.0000 | 0.0000 | 74.092 | 0.24547 | 0.00000 | 789605.1 | 782380.6 | 0.0 | S |
| 86.258 | 0.0000 | 0.0000 | 74.091 | 0.24515 | 0.00000 | 789605.1 | 782387.9 | 0.0 | S |
| 86.267 | 0.0000 | 0.0000 | 74.090 | 0.24482 | 0.00000 | 789605.1 | 782395.3 | 0.0 | S |
| 86.275 | 0.0000 | 0.0000 | 74.088 | 0.24449 | 0.00000 | 789605.1 | 782402.6 | 0.0 | S |
| 86.283 | 0.0000 | 0.0000 | 74.087 | 0.24417 | 0.00000 | 789605.1 | 782409.9 | 0.0 | S |
| 86.292 | 0.0000 | 0.0000 | 74.086 | 0.24384 | 0.00000 | 789605.1 | 782417.3 | 0.0 | S |
| 86.300 | 0.0000 | 0.0000 | 74.084 | 0.24351 | 0.00000 | 789605.1 | 782424.6 | 0.0 | S |
| 86.308 | 0.0000 | 0.0000 | 74.083 | 0.24318 | 0.00000 | 789605.1 | 782431.9 | 0.0 | S |
| 86.317 | 0.0000 | 0.0000 | 74.082 | 0.24285 | 0.00000 | 789605.1 | 782439.2 | 0.0 | S |
| 86.325 | 0.0000 | 0.0000 | 74.080 | 0.24252 | 0.00000 | 789605.1 | 782446.5 | 0.0 | S |

# PONDS Version 3.2.0207 

Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (HIday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | $\begin{aligned} & \text { Flow } \\ & \text { Type } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 86.333 | 0.0000 | 0.0000 | 74.079 | 0.24219 | 0.00000 | 789605.1 | 782453.8 | 0.0 | S |
| 86.342 | 0.0000 | 0.0000 | 74.077 | 0.24186 | 0.00000 | 789605.1 | 782461.0 | 0.0 | S |
| 86.350 | 0.0000 | 0.0000 | 74.076 | 0.24152 | 0.00000 | 789605.1 | 782468.3 | 0.0 | S |
| 86.358 | 0.0000 | 0.0000 | 74.075 | 0.24119 | 0.00000 | 789605.1 | 782475.5 | 0.0 | S |
| 86.367 | 0.0000 | 0.0000 | 74.073 | 0.24086 | 0.00000 | 789605.1 | 782482.8 | 0.0 | S |
| 86.375 | 0.0000 | 0.0000 | 74.072 | 0.24052 | 0.00000 | 789605.1 | 782489.9 | 0.0 | S |
| 86.383 | 0.0000 | 0.0000 | 74.071 | 0.24019 | 0.00000 | 789605.1 | 782497.1 | 0.0 | S |
| 86.392 | 0.0000 | 0.0000 | 74.069 | 0.23986 | 0.00000 | 789605.1 | 782504.4 | 0.0 | S |
| 86.400 | 0.0000 | 0.0000 | 74.068 | 0.23953 | 0.00000 | 789605.1 | 782511.6 | 0.0 | S |
| 86.408 | 0.0000 | 0.0000 | 74.066 | 0.23919 | 0.00000 | 789605.1 | 782518.8 | 0.0 | S |
| 86.417 | 0.0000 | 0.0000 | 74.065 | 0.23885 | 0.00000 | 789605.1 | 782525.9 | 0.0 | S |
| 86.425 | 0.0000 | 0.0000 | 74.064 | 0.23851 | 0.00000 | 789605.1 | 782533.1 | 0.0 | S |
| 86.433 | 0.0000 | 0.0000 | 74.062 | 0.23818 | 0.00000 | 789605.1 | 782540.2 | 0.0 | S |
| 86.442 | 0.0000 | 0.0000 | 74.061 | 0.23784 | 0.00000 | 789605.1 | 782547.4 | 0.0 | S |
| 86.450 | 0.0000 | 0.0000 | 74.060 | 0.23750 | 0.00000 | 789605.1 | 782554.5 | 0.0 | S |
| 86.458 | 0.0000 | 0.0000 | 74.058 | 0.23716 | 0.00000 | 789605.1 | 782561.6 | 0.0 | S |
| 86.467 | 0.0000 | 0.0000 | 74.057 | 0.23682 | 0.00000 | 789605.1 | 782568.7 | 0.0 | S |
| 86.475 | 0.0000 | 0.0000 | 74.055 | 0.23648 | 0.00000 | 789605.1 | 782575.8 | 0.0 | S |
| 86.483 | 0.0000 | 0.0000 | 74.054 | 0.23613 | 0.00000 | 789605.1 | 782582.9 | 0.0 | S |
| 86.492 | 0.0000 | 0.0000 | 74.053 | 0.23579 | 0.00000 | 789605.1 | 782590.0 | 0.0 | S |
| 86.500 | 0.0000 | 0.0000 | 74.051 | 0.23545 | 0.00000 | 789605.1 | 782597.1 | 0.0 | S |
| 86.508 | 0.0000 | 0.0000 | 74.050 | 0.23510 | 0.00000 | 789605.1 | 782604.1 | 0.0 | S |
| 86.517 | 0.0000 | 0.0000 | 74.048 | 0.23476 | 0.00000 | 789605.1 | 782611.1 | 0.0 | S |
| 86.525 | 0.0000 | 0.0000 | 74.047 | 0.23441 | 0.00000 | 789605.1 | 782618.2 | 0.0 | S |
| 86.533 | 0.0000 | 0.0000 | 74.046 | 0.23407 | 0.00000 | 789605.1 | 782625.2 | 0.0 | S |
| 86.542 | 0.0000 | 0.0000 | 74.044 | 0.23372 | 0.00000 | 789605.1 | 782632.3 | 0.0 | S |
| 86.550 | 0.0000 | 0.0000 | 74.043 | 0.23337 | 0.00000 | 789605.1 | 782639.3 | 0.0 | S |
| 86.558 | 0.0000 | 0.0000 | 74.042 | 0.23302 | 0.00000 | 789605.1 | 782646.3 | 0.0 | S |
| 86.567 | 0.0000 | 0.0000 | 74.040 | 0.23268 | 0.00000 | 789605.1 | 782653.3 | 0.0 | S |
| 86.575 | 0.0000 | 0.0000 | 74.039 | 0.23233 | 0.00000 | 789605.1 | 782660.2 | 0.0 | S |
| 86.583 | 0.0000 | 0.0000 | 74.037 | 0.23198 | 0.00000 | 789605.1 | 782667.2 | 0.0 | S |
| 86.592 | 0.0000 | 0.0000 | 74.036 | 0.23163 | 0.00000 | 789605.1 | 782674.1 | 0.0 | S |
| 86.600 | 0.0000 | 0.0000 | 74.035 | 0.23128 | 0.00000 | 789605.1 | 782681.1 | 0.0 | S |
| 86.608 | 0.0000 | 0.0000 | 74.033 | 0.23092 | 0.00000 | 789605.1 | 782688.0 | 0.0 | S |
| 86.617 | 0.0000 | 0.0000 | 74.032 | 0.23057 | 0.00000 | 789605.1 | 782694.9 | 0.0 | S |
| 86.625 | 0.0000 | 0.0000 | 74.030 | 0.23022 | 0.00000 | 789605.1 | 782701.8 | 0.0 | S |
| 86.633 | 0.0000 | 0.0000 | 74.029 | 0.22986 | 0.00000 | 789605.1 | 782708.8 | 0.0 | S |
| 86.642 | 0.0000 | 0.0000 | 74.028 | 0.22951 | 0.00000 | 789605.1 | 782715.6 | 0.0 | S |
| 86.650 | 0.0000 | 0.0000 | 74.026 | 0.22915 | 0.00000 | 789605.1 | 782722.5 | 0.0 | S |
| 86.658 | 0.0000 | 0.0000 | 74.025 | 0.22880 | 0.00000 | 789605.1 | 782729.4 | 0.0 | S |
| 86.667 | 0.0000 | 0.0000 | 74.023 | 0.22844 | 0.00000 | 789605.1 | 782736.3 | 0.0 | S |
| 86.675 | 0.0000 | 0.0000 | 74.022 | 0.22808 | 0.00000 | 789605.1 | 782743.1 | 0.0 | S |
| 86.683 | 0.0000 | 0.0000 | 74.020 | 0.22772 | 0.00000 | 789605.1 | 782749.9 | 0.0 | S |
| 86.692 | 0.0000 | 0.0000 | 74.019 | 0.22736 | 0.00000 | 789605.1 | 782756.8 | 0.0 | S |
| 86.700 | 0.0000 | 0.0000 | 74.018 | 0.22700 | 0.00000 | 789605.1 | 782763.6 | 0.0 | S |
| 86.708 | 0.0000 | 0.0000 | 74.016 | 0.22664 | 0.00000 | 789605.1 | 782770.4 | 0.0 | S |
| 86.717 | 0.0000 | 0.0000 | 74.015 | 0.22628 | 0.00000 | 789605.1 | 782777.1 | 0.0 | S |
| 86.725 | 0.0000 | 0.0000 | 74.013 | 0.22592 | 0.00000 | 789605.1 | 782783.9 | 0.0 | S |
| 86.733 | 0.0000 | 0.0000 | 74.012 . | 0.22556 | 0.00000 | 789605.1 | 782790.7 | 0.0 | S |
| 86.742 | 0.0000 | 0.0000 | 74.010 | 0.22519 | 0.00000 | 789605.1 | 782797.4 | 0.0 | S |
| 86.750 | 0.0000 | 0.0000 | 74.009 | 0.22483 | 0.00000 | 789605.1 | 782804.2 | 0.0 | S |
| 86.758 | 0.0000 | 0.0000 | 74.008 | 0.22446 | 0.00000 | 789605.1 | 782810.9 | 0.0 | S |
| 86.767 | 0.0000 | 0.0000 | 74.006 | 0.22410 | 0.00000 | 789605.1 | 782817.7 | 0.0 | S |
| 86.775 | 0.0000 | 0.0000 | 74.005 | 0.22373 | 0.00000 | 789605.1 | 782824.4 | 0.0 | S |
| 86.783 | 0.0000 | 0.0000 | 74.003 | 0.22336 | 0.00000 | 789605.1 | 782831.1 | 0.0 | S |
| 86.792 | 0.0000 | 0.0000 | 74.002 | 0.22300 | 0.00000 | 789605.1 | 782837.8 | 0.0 | S |
| 86.800 | 0.0000 | 0.0000 | 74.000 | 0.22264 | 0.00000 | 789605.1 | 782844.5 | 0.0 | S |
| 86.808 | 0.0000 | 0.0000 | 73.999 | 0.22229 | 0.00000 | 789605.1 | 782851.2 | 0.0 | S |
| 86.817 | 0.0000 | 0.0000 | 73.998 | 0.22196 | 0.00000 | 789605.1 | 782857.8 | 0.0 | S |
| 86.825 | 0.0000 | 0.0000 | 73.996 | 0.22162 | 0.00000 | 789605.1 | 782864.5 | 0.0 | S |
| 86.833 | 0.0000 | 0.0000 | 73.995 | 0.22129 | 0.00000 | 789605.1 | 782871.1 | 0.0 | S |
| 86.842 | 0.0000 | 0.0000 | 73.993 | 0.22097 | 0.00000 | 789605.1 | 782877.8 | 0.0 | S |
| 86.850 | 0.0000 | 0.0000 | 73.992 | 0.22066 | 0.00000 | 789605.1 | 782884.4 | 0.0 | S |
| 86.858 | 0.0000 | 0.0000 | 73.990 | 0.22035 | 0.00000 | 789605.1 | 782891.0 | 0.0 | S |
| 86.867 | 0.0000 | 0.0000 | 73.989 | 0.22005 | 0.00000 | 789605.1 | 782897.6 | 0.0 | S |
| 86.875 | 0.0000 | 0.0000 | 73.988 | 0.21975 | 0.00000 | 789605.1 | 782904.2 | 0.0 | S |
| 86.883 | 0.0000 | 0.0000 | 73.986 | 0.21946 | 0.00000 | 789605.1 | 782910.8 | 0.0 | S |
| 86.892 | 0.0000 | 0.0000 | 73.985 | 0.21917 | 0.00000 | 789605.1 | 782917.4 | 0.0 | S |
| 86.900 | 0.0000 | 0.0000 | 73.983 | 0.21888 | 0.00000 | 789605.1 | 782923.9 | 0.0 | S |
| 86.908 | 0.0000 | 0.0000 | 73.982 | 0.21860 | 0.00000 | 789605.1 | 782930.5 | 0.0 | S |
| 86.917 | 0.0000 | 0.0000 | 73.980 | 0.21832 | 0.00000 | 789605.1 | 782937.1 | 0.0 | S |
| 86.925 | 0.0000 | 0.0000 | 73.979 | 0.21804 | 0.00000 | 789605.1 | 782943.6 | 0.0 | S |
| 86.933 | 0.0000 | 0.0000 | 73.978 | 0.21777 | 0.00000 | 789605.1 | 782950.1 | 0.0 | S |
| 86,942 | 0.0000 | 0.0000 | 73.976 | 0.21750 | 0.00000 | 789605.1 | 782956.7 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow <br> Rate <br> ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Outside Recharge (f/day) | Stage Elevation (fl datum) | Infilitration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overfiow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Infiow Volume ( $\mathrm{ff}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 86.950 | 0.0000 | 0.0000 | 73.975 | 0.21723 | 0.00000 | 789605.1 | 782963.2 | 0.0 | S |
| 86.958 | 0.0000 | 0.0000 | 73.973 | 0.21696 | 0.00000 | 789605.1 | 782969.7 | 0.0 | S |
| 86.967 | 0.0000 | 0.0000 | 73.972 | 0.21670 | 0.00000 | 789605.1 | 782976.2 | 0.0 | S |
| 86.975 | 0.0000 | 0.0000 | 73.971 | 0.21643 | 0.00000 | 789605.1 | 782982.7 | 0.0 | S |
| 86.983 | 0.0000 | 0.0000 | 73.969 | 0.21617 | 0.00000 | 789605.1 | 782989.2 | 0.0 | S |
| 86.992 | 0.0000 | 0.0000 | 73.968 | 0.21592 | 0.00000 | 789605.1 | 782995.7 | 0.0 | S |
| 87.000 | 0.0000 | 0.0000 | 73.966 | 0.21566 | 0.00000 | 789605.1 | 783002.1 | 0.0 | S |
| 87.008 | 0.0000 | 0.0000 | 73.965 | 0.21541 | 0.00000 | 789605.1 | 783008.6 | 0.0 | S |
| 87.017 | 0.0000 | 0.0000 | 73.964 | 0.21515 | 0.00000 | 789605.1 | 783015.1 | 0.0 | S |
| 87.025 | 0.0000 | 0.0000 | 73.962 | 0.21490 | 0.00000 | 789605.1 | 783021.5 | 0.0 | S |
| 87.033 | 0.0000 | 0.0000 | 73.961 | 0.21465 | 0.00000 | 789605.1 | 783027.9 | 0.0 | S |
| 87.042 | 0.0000 | 0.0000 | 73.959 | 0.21441 | 0.00000 | 789605.1 | 783034.4 | 0.0 | S |
| 87.050 | 0.0000 | 0.0000 | 73.958 | 0.21416 | 0.00000 | 789605.1 | 783040.8 | 0.0 | S |
| 87.058 | 0.0000 | 0.0000 | 73.957 | 0.21392 | 0.00000 | 789605.1 | 783047.3 | 0.0 | S |
| 87.067 | 0.0000 | 0.0000 | 73.955 | 0.21368 | 0.00000 | 789605.1 | 783053.7 | 0.0 | S |
| 87.075 | 0.0000 | 0.0000 | 73.954 | 0.21343 | 0.00000 | 789605.1 | 783060.1 | 0.0 | S |
| 87.083 | 0.0000 | 0.0000 | 73.952 | 0.21319 | 0.00000 | 789605.1 | 783066.4 | 0.0 | S |
| 87.092 | 0.0000 | 0.0000 | 73.951 | 0.21296 | 0.00000 | 789605.1 | 783072.9 | 0.0 | S |
| 87.100 | 0.0000 | 0.0000 | 73.950 | 0.21272 | 0.00000 | 789605.1 | 783079.3 | 0.0 | S |
| 87.108 | 0.0000 | 0.0000 | 73.948 | 0.21248 | 0.00000 | 789605.1 | 783085.6 | 0.0 | S |
| 87.117 | 0.0000 | 0.0000 | 73.947 | 0.21225 | 0.00000 | 789605.1 | 783092.0 | 0.0 | S |
| 87.125 | 0.0000 | 0.0000 | 73.945 | 0.21202 | 0.00000 | 789605.1 | 783098.4 | 0.0 | S |
| 87.133 | 0.0000 | 0.0000 | 73.944 | 0.21178 | 0.00000 | 789605.1 | 783104.7 | 0.0 | S |
| 87.142 | 0.0000 | 0.0000 | 73.943 | 0.21155 | 0.00000 | 789605.1 | 783111.1 | 0.0 | S |
| 87.150 | 0.0000 | 0.0000 | 73.941 | 0.21132 | 0.00000 | 789605.1 | 783117.4 | 0.0 | S |
| 87.158 | 0.0000 | 0.0000 | 73.940 | 0.21110 | 0.00000 | 789605.1 | 783123.8 | 0.0 | S |
| 87.167 | 0.0000 | 0.0000 | 73.938 | 0.21087 | 0.00000 | 789605.1 | 783130.1 | 0.0 | S |
| 87.175 | 0.0000 | 0.0000 | 73.937 | 0.21064 | 0.00000 | 789605.1 | 783136.4 | 0.0 | S |
| 87.483 | 0.0000 | 0.0000 | 73.936 | 0.21042 | 0.00000 | 789605.1 | 783142.7 | 0.0 | S |
| 87.192 | 0.0000 | 0.0000 | 73.934 | 0.21019 | 0.00000 | 789605.1 | 783149.0 | 0.0 | S |
| 87.200 | 0.0000 | 0.0000 | 73.933 | 0.20997 | 0.00000 | 789605.1 | 783155.3 | 0.0 | S |
| 87.208 | 0.0000 | 0.0000 | 73.931 | 0.20975 | 0.00000 | 789605.1 | 783161.6 | 0.0 | S |
| 87.217 | 0.0000 | 0.0000 | 73.930 | 0.20953 | 0.00000 | 789605.1 | 783167.9 | 0.0 | S |
| 87.225 | 0.0000 | 0.0000 | 73.929 | 0.20931 | 0.00000 | 789605.1 | 783174.2 | 0.0 | S |
| 87.233 | 0.0000 | 0.0000 | 73.927 | 0.20909 | 0.00000 | 789605.1 | 783180.4 | 0.0 | S |
| 87.242 | 0.0000 | 0.0000 | 73.926 | 0.20887 | 0.00000 | 789605.1 | 783186.8 | 0.0 | S |
| 87.250 | 0.0000 | 0.0000 | 73.925 | 0.20865 | 0.00000 | 789605.1 | 783193.0 | 0.0 | S |
| 87.258 | 0.0000 | 0.0000 | 73.923 | 0.20844 | 0.00000 | 789605.1 | 783199.3 | 0.0 | S |
| 87.267 | 0.0000 | 0.0000 | 73.922 | 0.20822 | 0.00000 | 789605.1 | 783205.5 | 0.0 | S |
| 87.275 | 0.0000 | 0.0000 | 73.920 | 0.20801 | 0.00000 | 789605.1 | 783211.8 | 0.0 | S |
| 87.283 | 0.0000 | 0.0000 | 73.919 | 0.20779 | 0.00000 | 789605.1 | 783218.0 | 0.0 | S |
| 87.292 | 0.0000 | 0.0000 | 73.918 | 0.20758 | 0.00000 | 789605.1 | 783224.2 | 0.0 | S |
| 87.300 | 0.0000 | 0.0000 | 73.916 | 0.20737 | 0.00000 | 789605.1 | 783230.4 | 0.0 | S |
| 87.308 | 0.0000 | 0.0000 | 73.915 | 0.20716 | 0.00000 | 789605.1 | 783236.7 | 0.0 | S |
| 87.317 | 0.0000 | 0.0000 | 73.914 | 0.20695 | 0.00000 | 789605.1 | 783242.9 | 0.0 | S |
| 87.325 | 0.0000 | 0.0000 | 73.912 | 0.20674 | 0.00000 | 789605.1 | 783249.1 | 0.0 | S |
| 87.333 | 0.0000 | 0.0000 | 73.911 | 0.20653 | 0.00000 | 789605.1 | 783255.3 | 0.0 | S |
| 87.342 | 0.0000 | 0.0000 | 73.909 | 0.20632 | 0.00000 | 789605.1 | 783261.4 | 0.0 | S |
| 87.350 | 0.0000 | 0.0000 | 73.908 | 0.20612 | 0.00000 | 789605.1 | 783267.6 | 0.0 | S |
| 87.358 | 0.0000 | 0.0000 | 73.907 | 0.20591 | 0.00000 | 789605.1 | 783273.8 | 0.0 | S |
| 87.367 | 0.0000 | 0.0000 | 73.905 | 0.20570 | 0.00000 | 789605.1 | 783280.0 | 0.0 | S |
| 87.375 | 0.0000 | 0.0000 | 73.904 | 0.20550 | 0.00000 | 789605.1 | 783286.2 | 0.0 | S |
| 87.383 | 0.0000 | 0.0000 | 73.903 | 0.20530 | 0.00000 | 789605.1 | 783292.3 | 0.0 | S |
| 87.392 | 0.0000 | 0.0000 | 73.901 | 0.20509 | 0.00000 | 789605.1 | 783298.5 | 0.0 | S |
| 87.400 | 0.0000 | 0.0000 | 73.900 | 0.20489 | 0.00000 | 789605.1 | 783304.6 | 0.0 | S |
| 87.408 | 0.0000 | 0.0000 | 73.899 | 0.20469 | 0.00000 | 789605.1 | 783310.8 | 0.0 | S |
| 87.417 | 0.0000 | 0.0000 | 73.897 | 0.20449 | 0.00000 | 789605.1 | 783316.9 | 0.0 | S |
| 87.425 | 0.0000 | 0.0000 | 73.896 | 0.20429 | 0.00000 | 789605.1 | 783323.1 | 0.0 | S |
| 87.433 | 0.0000 | 0.0000 | 73.894 | 0.20409 | 0.00000 | 789605.1 | 783329.2 | 0.0 | S |
| 87.442 | 0.0000 | 0.0000 | 73.893 | 0.20389 | 0.00000 | 789605.1 | 783335.3 | 0.0 | S |
| 87.450 | 0.0000 | 0.0000 | 73.892 | 0.20369 | 0.00000 | 789605.1 | 783341.4 | 0.0 | S |
| 87.458 | 0.0000 | 0.0000 | 73.890 | 0.20349 | 0.00000 | 789605.1 | 783347.5 | 0.0 | S |
| 87.467 | 0.0000 | 0.0000 | 73.889 | 0.20330 | 0.00000 | 789605.1 | 783353.6 | 0.0 | S |
| 87.475 | 0.0000 | 0.0000 | 73.888 | 0.20310 | 0.00000 | 789605.1 | 783359.8 | 0.0 | S |
| 87.483 | 0.0000 | 0.0000 | 73.886 | 0.20290 | 0.00000 | 789605.1 | 783365.8 | 0.0 | S |
| 87.492 | 0.0000 | 0.0000 | 73.885 | 0.20271 | 0.00000 | 789605.1 | 783371.9 | 0.0 | S |
| 87.500 | 0.0000 | 0.0000 | 73.884 | 0.20251 | 0.00000 | 789605.1 | 783378.0 | 0.0 | S |
| 87.508 | 0.0000 | 0.0000 | 73.882 | 0.20232 | 0.00000 | 789605.1 | 783384.1 | 0.0 | S |
| 87.517 | 0.0000 | 0.0000 | 73.881 | 0.20213 | 0.00000 | 789605.1 | 783390.1 | 0.0 | S |
| 87.525 | 0.0000 | 0.0000 | 73.880 | 0.20193 | 0.00000 | 789605.1 | 783396.2 | 0.0 | S |
| 87.533 | 0.0000 | 0.0000 | 73.878 | 0.20174 | 0.00000 | 789605.1 | 783402.3 | 0.0 | S |
| 87.542 | 0.0000 | 0.0000 | 73.877 | 0.20155 | 0.00000 | 789605.1 | 783408.3 | 0.0 | S |
| 87.550 | 0.0000 | 0.0000 | 73.876 | 0.20136 | 0.00000 | 789605.1 | 783414.3 | 0.0 | S |
| 87.558 | 0.0000 | 0.0000 | 73.874 | 0.20117 | 0.00000 | 789605.1 | 783420.4 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 5100 yr/24 hr

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{ft}^{3 /} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume $\left(\mathrm{ft}^{3}\right)$ | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | $\begin{aligned} & \text { Flow } \\ & \text { Type } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 87.567 | 0.0000 | 0.0000 | 73.873 | 0.20098 | 0.00000 | 789605.1 | 783426.4 | 0.0 | S |
| 87.575 | 0.0000 | 0.0000 | 73.872 | 0.20079 | 0.00000 | 789605.1 | 783432.4 | 0.0 | S |
| 87.583 | 0.0000 | 0.0000 | 73.870 | 0.20060 | 0.00000 | 789605.1 | 783438.4 | 0.0 | S |
| 87.592 | 0.0000 | 0.0000 | 73.869 | 0.20041 | 0.00000 | 789605.1 | 783444.4 | 0.0 | S |
| 87.600 | 0.0000 | 0.0000 | 73.867 | 0.20023 | 0.00000 | 789605.1 | 783450.4 | 0.0 | S |
| 87.608 | 0.0000 | 0.0000 | 73.866 | 0.20004 | 0.00000 | 789605.1 | 783456.4 | 0.0 | S |
| 87.617 | 0.0000 | 0.0000 | 73.865 | 0.19985 | 0.00000 | 789605.1 | 783462.4 | 0.0 | S |
| 87.625 | 0.0000 | 0.0000 | 73.863 | 0.19967 | 0.00000 | 789605.1 | 783468.4 | 0.0 | S |
| 87.633 | 0.0000 | 0.0000 | 73.862 | 0.19948 | 0.00000 | 789605.1 | 783474.4 | 0.0 | S |
| 87.642 | 0.0000 | 0.0000 | 73.861 | 0.19930 | 0.00000 | 789605.1 | 783480.4 | 0.0 | S |
| 87.650 | 0.0000 | 0.0000 | 73.859 | 0.19911 | 0.00000 | 789605.7 | 783486.4 | 0.0 | S |
| 87.658 | 0.0000 | 0.0000 | 73.858 | 0.19893 | 0.00000 | 789605.1 | 783492.4 | 0.0 | S |
| 87.667 | 0.0000 | 0.0000 | 73.857 | 0.19874 | 0.00000 | 789605. 1 | 783498.3 | 0.0 | S |
| 87.675 | 0.0000 | 0.0000 | 73.855 | 0.19856 | 0.00000 | 789605.1 | 783504.3 | 0.0 | S |
| 87.683 | 0.0000 | 0.0000 | 73.854 | 0.19838 | 0.00000 | 789605.1 | 783510.3 | 0.0 | S |
| 87.692 | 0.0000 | 0.0000 | 73.853 | 0.19820 | 0.00000 | 789605.1 | 783516.2 | 0.0 | S |
| 87.700 | 0.0000 | 0.0000 | 73.851 | 0.19802 | 0.00000 | 789605.1 | 783522.1 | 0.0 | S |
| 87.708 | 0.0000 | 0.0000 | 73.850 | 0.19784 | 0.00000 | 789605.1 | 783528.1 | 0.0 | S |
| 87.717 | 0.0000 | 0.0000 | 73.849 | 0.19765 | 0.00000 | 789605.1 | 783534.0 | 0.0 | S |
| 87.725 | 0.0000 | 0.0000 | 73.847 | 0.19747 | 0.00000 | 789605.1 | 783539.9 | 0.0 | S |
| 87.733 | 0.0000 | 0.0000 | 73.846 | 0.19730 | 0.00000 | 789605.1 | 783545.9 | 0.0 | S |
| 87.742 | 0.0000 | 0.0000 | 73.845 | 0.19712 | 0.00000 | 789605.1 | 783551.8 | 0.0 | S |
| 87.750 | 0.0000 | 0.0000 | 73.843 | 0.19694 | 0.00000 | 789605.1 | 783557.7 | 0.0 | S |
| 87.758 | 0.0000 | 0.0000 | 73.842 | 0.19676 | 0.00000 | 789605.1 | 783563.6 | 0.0 | S |
| 87.767 | 0.0000 | 0.0000 | 73.841 | 0.19658 | 0.00000 | 789605.1 | 783569.5 | 0.0 | S |
| 87.775 | 0.0000 | 0.0000 | 73.839 | 0.19640 | 0.00000 | 789605.1 | 783575.4 | 0.0 | S |
| 87.783 | 0.0000 | 0.0000 | 73.838 | 0.19623 | 0.00000 | 789605.1 | 783581.3 | 0.0 | S |
| 87.792 | 0.0000 | 0.0000 | 73.837 | 0.19605 | 0.00000 | 789605.1 | 783587.2 | 0.0 | S |
| 87.800 | 0.0000 | 0.0000 | 73.835 | 0.19588 | 0.00000 | 789605.1 | 783593.1 | 0.0 | S |
| 87.808 | 0.0000 | 0.0000 | 73.834 | 0.19570 | 0.00000 | 789605.1 | 783598.9 | 0.0 | S |
| 87.817 | 0.0000 | 0.0000 | 73.833 | 0.19553 | 0.00000 | 789605.1 | 783604.8 | 0.0 | S |
| 87.825 | 0.0000 | 0.0000 | 73.831 | 0.19535 | 0.00000 | 789605.1 | 783610.6 | 0.0 | S |
| 87.833 | 0.0000 | 0.0000 | 73.830 | 0.19518 | 0.00000 | 789605.1 | 783616.5 | 0.0 | S |
| 87.842 | 0.0000 | 0.0000 | 73.829 | 0.19500 | 0.00000 | 789605.1 | 783622.4 | 0.0 | S |
| 87.850 | 0.0000 | 0.0000 | 73.827 | 0.19483 | 0.00000 | 789605.1 | 783628.2 | 0.0 | S |
| 87.858 | 0.0000 | 0.0000 | 73.826 | 0.19466 | 0.00000 | 789605.1 | 783634.1 | 0.0 | S |
| 87.867 | 0.0000 | 0.0000 | 73.825 | 0.19448 | 0.00000 | 789605.1 | 783639.9 | 0.0 | S |
| 87.875 | 0.0000 | 0.0000 | 73.824 | 0.19431 | 0.00000 | 789605.1 | 783645.7 | 0.0 | S |
| 87.883 | 0.0000 | 0.0000 | 73.822 | 0.19414 | 0.00000 | 789605.1 | 783651.6 | 0.0 | S |
| 87.892 | 0.0000 | 0.0000 | 73.821 | 0.19397 | 0.00000 | 789605.1 | 783657.4 | 0.0 | S |
| 87.900 | 0.0000 | 0.0000 | 73.820 | 0.19380 | 0.00000 | 789605.1 | 783663.2 | 0.0 | S |
| 87.908 | 0.0000 | 0.0000 | 73.818 | 0.19363 | 0.00000 | 789605.1 | 783669.0 | 0.0 | S |
| 87.917 | 0.0000 | 0.0000 | 73.817 | 0.19346 | 0.00000 | 789605.1 | 783674.8 | 0.0 | S |
| 87.925 | 0.0000 | 0.0000 | 73.816 | 0.19329 | 0.00000 | 789605.1 | 783680.6 | 0.0 | S |
| 87.933 | 0.0000 | 0.0000 | 73.814 | 0.19312 | 0.00000 | 789605.1 | 783686.4 | 0.0 | S |
| 87.942 | 0.0000 | 0.0000 | 73.813 | 0.19295 | 0.00000 | 789605.1 | 783692.2 | 0.0 | S |
| 87.950 | 0.0000 | 0.0000 | 73.812 | 0.19278 | 0.00000 | 789605.1 | 783698.0 | 0.0 | S |
| 87.958 | 0.0000 | 0.0000 | 73.810 | 0.19261 | 0.00000 | 789605.1 | 783703.8 | 0.0 | S |
| 87.967 | 0.0000 | 0.0000 | 73.809 | 0.19245 | 0.00000 | 789605.1 | 783709.5 | 0.0 | S |
| 87.975 | 0.0000 | 0.0000 | 73.808 | 0.19228 | 0.00000 | 789605.1 | 783715.3 | 0.0 | S |
| 87.983 | 0.0000 | 0.0000 | 73.806 | 0.19211 | 0.00000 | 789605.1 | 783721.1 | 0.0 | S |
| 87.992 | 0.0000 | 0.0000 | 73.805 | 0.19195 | 0.00000 | 789605.1 | 783726.8 | 0.0 | S |
| 88.000 | 0.0000 | 0.0000 | 73.804 | 0.19178 | 0.00000 | 789605.1 | 783732.6 | 0.0 | S |
| 88.008 | 0.0000 | 0.0000 | 73.802 | 0.19161 | 0.00000 | 789605.1 | 783738.3 | 0.0 | S |
| 88.017 | 0.0000 | 0.0000 | 73.801 | 0.19145 | 0.00000 | 789605.1 | 783744.1 | 0.0 | S |
| 88.025 | 0.0000 | 0.0000 | 73.800 | 0.19128 | 0.00000 | 789605.1 | 783749.8 | 0.0 | S |
| 88.033 | 0.0000 | 0.0000 | 73.799 | 0.19112 | 0.00000 | 789605.1 | 783755.6 | 0.0 | S |
| 88.042 | 0.0000 | 0.0000 | 73.797 | 0.19095 | 0.00000 | 789605.1 | 783761.3 | 0.0 | S |
| 88.050 | 0.0000 | 0.0000 | 73.796 | 0.19079 | 0.00000 | 789605.1 | 783767.0 | 0.0 | S |
| 88.058 | 0.0000 | 0.0000 | 73.795 | 0.19063 | 0.00000 | 789605.1 | 783772.8 | 0.0 | S |
| 88.067 | 0.0000 | 0.0000 | 73.793 | 0.19046 | 0.00000 | 789605.1 | 783778.4 | 0.0 | S |
| 88.075 | 0.0000 | 0.0000 | 73.792 | 0.19030 | 0.00000 | 789605.1 | 783784.2 | 0.0 | S |
| 88.083 | 0.0000 | 0.0000 | 73.791 | 0.19014 | 0.00000 | 789605.1 | 783789.9 | 0.0 | S |
| 88.092 | 0.0000 | 0.0000 | 73.789 | 0.18997 | 0.00000 | 789605.1 | 783795.6 | 0.0 | S |
| 88.100 | 0.0000 | 0.0000 | 73.788 | 0.18981 | 0.00000 | 789605.1 | 783801.3 | 0.0 | S |
| 88.108 | 0.0000 | 0.0000 | 73.787 | 0.18965 | 0.00000 | 789605.1 | 783806.9 | 0.0 | S |
| 88.117 | 0.0000 | 0.0000 | 73.786 | 0.18949 | 0.00000 | 789605.1 | 783812.6 | 0.0 | S |
| 88.125 | 0.0000 | 0.0000 | 73.784 | 0.18933 | 0.00000 | 789605.1 | 783818.3 | 0.0 | S |
| 88.133 | 0.0000 | 0.0000 | 73.783 | 0.18917 | 0.00000 | 789605.1 | 783824.0 | 0.0 | S |
| 88.142 | 0.0000 | 0.0000 | 73.782 | 0.18901 | 0.00000 | 789605.1 | 783829.7 | 0.0 | S |
| 88.150 | 0.0000 | 0.0000 | 73.780 | 0.18885 | 0.00000 | 789605.1 | 783835.4 | 0.0 | S |
| 88.158 | 0.0000 | 0.0000 | 73.779 | 0.18869 | 0.00000 | 789605.1 | 783841.0 | 0.0 | S |
| 88.167 | 0.0000 | 0.0000 | 73.778 | 0.18853 | 0.00000 | 789605.1 | 783846.7 | 0.0 | S |
| 88.175 | 0.0000 | 0.0000 | 73.776 | 0.18837 | 0.00000 | 789605.1 | 783852.3 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.

## Detailed Results (cont,d.)

:: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overlow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 88.183 | 0.0000 | 0.0000 | 73.775 | 0.18821 | 0.00000 | 789605.1 | 783858.0 | 0.0 | S |
| 88.192 | 0.0000 | 0.0000 | 73.774 | 0.18805 | 0.00000 | 789605.1 | 783863.6 | 0.0 | S |
| 88.200 | 0.0000 | 0.0000 | 73.773 | 0.18789 | 0.00000 | 789605.1 | 783869.3 | 0.0 | S |
| 88.208 | 0.0000 | 0.0000 | 73.771 | 0.18774 | 0.00000 | 789605.1 | 783874.9 | 0.0 | S |
| 88.217 | 0.0000 | 0.0000 | 73.770 | 0.18758 | 0.00000 | 789605.1 | 783880.5 | 0.0 | S |
| 88.225 | 0.0000 | 0.0000 | 73.769 | 0.18742 | 0.00000 | 789605.1 | 783886.1 | 0.0 | S |
| 88.233 | 0.0000 | 0.0000 | 73.767 | 0.18726 | 0.00000 | 789605.1 | 783891.8 | 0.0 | S |
| 88.242 | 0.0000 | 0.0000 | 73.766 | 0.18711 | 0.00000 | 789605.1 | 783897.4 | 0.0 | S |
| 88.250 | 0.0000 | 0.0000 | 73.765 | 0.18695 | 0.00000 | 789605.1 | 783903.0 | 0.0 | S |
| 88.258 | 0.0000 | 0.0000 | 73.763 | 0.18680 | 0.00000 | 789605.1 | 783908.6 | 0.0 | S |
| 88.267 | 0.0000 | 0.0000 | 73.762 | 0.18664 | 0.00000 | 789605.1 | 783914.2 | 0.0 | S |
| 88.275 | 0.0000 | 0.0000 | 73.761 | 0.18648 | 0.00000 | 789605.1 | 783919.8 | 0.0 | S |
| 88.283 | 0.0000 | 0.0000 | 73.760 | 0.18633 | 0.00000 | 789605.1 | 783925.4 | 0.0 | S |
| 88.292 | 0.0000 | 0.0000 | 73.758 | 0.18617 | 0.00000 | 789605.1 | 783931.0 | 0.0 | S |
| 88.300 | 0.0000 | 0.0000 | 73.757 | 0.18602 | 0.00000 | 789605.1 | 783936.6 | 0.0 | S |
| 88.308 | 0.0000 | 0.0000 | 73.756 | 0.18587 | 0.00000 | 789605.1 | 783942.1 | 0.0 | S |
| 88.317 | 0.0000 | 0.0000 | 73.754 | 0.18571 | 0.00000 | 789605.1 | 783947.7 | 0.0 | S |
| 88.325 | 0.0000 | 0.0000 | 73.753 | 0.18556 | 0.00000 | 789605.1 | 783953.3 | 0.0 | S |
| 88.333 | 0.0000 | 0.0000 | 73.752 | 0.18540 | 0.00000 | 789605.1 | 783958.8 | 0.0 | S |
| 88.342 | 0.0000 | 0.0000 | 73.751 | 0.18525 | 0.00000 | 789605.1 | 783964.4 | 0.0 | S |
| 88.350 | 0.0000 | 0.0000 | 73.749 | 0.18510 | 0.00000 | 789605.1 | 783969.9 | 0.0 | S |
| 88.358 | 0.0000 | 0.0000 | 73.748 | 0.18495 | 0.00000 | 789605.1 | 783975.5 | 0.0 | S |
| 88.367 | 0.0000 | 0.0000 | 73.747 | 0.18479 | 0.00000 | 789605.1 | 783981.1 | 0.0 | S |
| 88.375 | 0.0000 | 0.0000 | 73.745 | 0.18464 | 0.00000 | 789605.1 | 783986.6 | 0.0 | S |
| 88.383 | 0.0000 | 0.0000 | 73.744 | 0.18449 | 0.00000 | 789605.1 | 783992.1 | 0.0 | S |
| 88.392 | 0.0000 | 0.0000 | 73.743 | 0.18434 | 0.00000 | 789605.1 | 783997.7 | 0.0 | S |
| 88.400 | 0.0000 | 0.0000 | 73.742 | 0.18419 | 0.00000 | 789605.1 | 784003.2 | 0.0 | S |
| 88.408 | 0.0000 | 0.0000 | 73.740 | 0.18404 | 0.00000 | 789605.1 | 784008.7 | 0.0 | S |
| 88.417 | 0.0000 | 0.0000 | 73.739 | 0.18389 | 0.00000 | 789605.1 | 784014.3 | 0.0 | S |
| 88.425 | 0.0000 | 0.0000 | 73.738 | 0.18374 | 0.00000 | 789605.1 | 784019.8 | 0.0 | S |
| 88.433 | 0.0000 | 0.0000 | 73.736 | 0.18359 | 0.00000 | 789605.1 | 784025.3 | 0.0 | S |
| 88.442 | 0.0000 | 0.0000 | 73.735 | 0.18344 | 0.00000 | 789605.1 | 784030.8 | 0.0 | S |
| 88.450 | 0.0000 | 0.0000 | 73.734 | 0.18329 | 0.00000 | 789605.1 | 784036.3 | 0.0 | S |
| 88.458 | 0.0000 | 0.0000 | 73.733 | 0.18314 | 0.00000 | 789605.1 | 784041.8 | 0.0 | S |
| 88.467 | 0.0000 | 0.0000 | 73.731 | 0.18299 | 0.00000 | 789605.1 | 784047.3 | 0.0 | S |
| 88.475 | 0.0000 | 0.0000 | 73.730 | 0.18284 | 0.00000 | 789605.1 | 784052.8 | 0.0 | S |
| 88.483 | 0.0000 | 0.0000 | 73.729 | 0.18269 | 0.00000 | 789605.1 | 784058.3 | 0.0 | S |
| 88.492 | 0.0000 | 0.0000 | 73.728 | 0.18254 | 0.00000 | 789605.1 | 784063.7 | 0.0 | S |
| 88.500 | 0.0000 | 0.0000 | 73.726 | 0.18240 | 0.00000 | 789605.1 | 784069.2 | 0.0 | S |
| 88.508 | 0.0000 | 0.0000 | 73.725 | 0.78225 | 0.00000 | 789605.1 | 784074.6 | 0.0 | S |
| 88.517 | 0.0000 | 0.0000 | 73.724 | 0.18210 | 0.00000 | 789605.1 | 784080.1 | 0.0 | S |
| 88.525 | 0.0000 | 0.0000 | 73.722 | 0.18195 | 0.00000 | 789605.1 | 784085.6 | 0.0 | S |
| 88.533 | 0.0000 | 0.0000 | 73.721 | 0.18181 | 0.00000 | 789605.1 | 784091.0 | 0.0 | S |
| 88.542 | 0.0000 | 0.0000 | 73.720 | 0.18166 | 0.00000 | 789605.1 | 784096.5 | 0.0 | S |
| 88.550 | 0.0000 | 0.0000 | 73.719 | 0.18151 | 0.00000 | 789605.1 | 784101.9 | 0.0 | S |
| 88.558 | 0.0000 | 0.0000 | 73.717 | 0.18137 | 0.00000 | 789605.1 | 784107.4 | 0.0 | S |
| 88.567 | 0.0000 | 0.0000 | 73.716 | 0.18122 | 0.00000 | 789605.1 | 784112.8 | 0.0 | S |
| 88.575 | 0.0000 | 0.0000 | 73.715 | 0.18108 | 0.00000 | 789605.1 | 784118.3 | 0.0 | S |
| 88.583 | 0.0000 | 0.0000 | 73.713 | 0.18093 | 0.00000 | 789605.1 | 784123.7 | 0.0 | S |
| 88.592 | 0.0000 | 0.0000 | 73.712 | 0.18079 | 0.00000 | 789605.1 | 784129.1 | 0.0 | S |
| 88.600 | 0.0000 | 0.0000 | 73.711 | 0.18064 | 0.00000 | 789605.1 | 784134.5 | 0.0 | S |
| 88.608 | 0.0000 | 0.0000 | 73.710 | 0.18050 | 0.00000 | 789605.1 | 784139.9 | 0.0 | S |
| 88.617 | 0.0000 | 0.0000 | 73.708 | 0.18035 | 0.00000 | 789605.1 | 784145.4 | 0.0 | S |
| 88.625 | 0.0000 | 0.0000 | 73.707 | 0.18021 | 0.00000 | 789605.1 | 784150.8 | 0.0 | S |
| 88.633 | 0.0000 | 0.0000 | 73.706 | 0.18006 | 0.00000 | 789605.1 | 784156.2 | 0.0 | S |
| 88.642 | 0.0000 | 0.0000 | 73.705 | 0.17992 | 0.00000 | 789605.1 | 784161.6 | 0.0 | S |
| 88.650 | 0.0000 | 0.0000 | 73.703 | 0.17978 | 0.00000 | 789605.1 | 784166.9 | 0.0 | S |
| 88.658 | 0.0000 | 0.0000 | 73.702 | 0.17963 | 0.00000 | 789605.1 | 784172.4 | 0.0 | S |
| 88.667 | 0.0000 | 0.0000 | 73.701 | 0.17949 | 0.00000 | 789605.1 | 784177.8 | 0.0 | S |
| 88.675 | 0.0000 | 0.0000 | 73.700 | 0.17935 | 0.00000 | 789605.1 | 784183.1 | 0.0 | S |
| 88.683 | 0.0000 | 0.0000 | 73.698 | 0.17920 | 0.00000 | 789605.1 | 784188.5 | 0.0 | S |
| 88.692 | 0.0000 | 0.0000 | 73.697 | 0.17906 | 0.00000 | 789605.1 | 784193.9 | 0.0 | S |
| 88.700 | 0.0000 | 0.0000 | 73.696 | 0.17892 | 0.00000 | 789605.1 | 784199.3 | 0.0 | S |
| 88.708 | 0.0000 | 0.0000 | 73.695 | 0.17878 | 0.00000 | 789605.1 | 784204.6 | 0.0 | S |
| 88.717 | 0.0000 | 0.0000 | 73.693 | 0.17864 | 0.00000 | 789605.1 | 784210.0 | 0.0 | S |
| 88.725 | 0.0000 | 0.0000 | 73.692 | 0.17849 | 0.00000 | 789605.1 | 784215.3 | 0.0 | S |
| 88.733 | 0.0000 | 0.0000 | 73.691 | 0.17835 | 0.00000 | 789605.1 | 784220.7 | 0.0 | S |
| 88.742 | 0.0000 | 0.0000 | 73.689 | 0.17821 | 0.00000 | 789605.1 | 784226.0 | 0.0 | S |
| 88.750 | 0.0000 | 0.0000 | 73.688 | 0.17807 | 0.00000 | 789605.1 | 784231.4 | 0.0 | S |
| 88.758 | 0.0000 | 0.0000 | 73.687 | 0.17793 | 0.00000 | 789605.1 | 784236.7 | 0.0 | S |
| 88.767 | 0.0000 | 0.0000 | 73.686 | 0.17779 | 0.00000 | 789605.1 | 784242.1 | 0.0 | S |
| 88.775 | 0.0000 | 0.0000 | 73.684 | 0.17765 | 0.00000 | 789605.1 | 784247.4 | 0.0 | S |
| 88.783 | 0.0000 | 0.0000 | 73.683 | 0.17751 | 0.00000 | 789605.1 | 784252.7 | 0.0 | S |
| 88.792 | 0.0000 | 0.0000 | 73.682 | 0.17737 | 0.00000 | 789605.1 | 784258.0 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{gr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Overflow Discharge (f $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 88.800 | 0.0000 | 0.0000 | 73.681 | 0.17723 | 0.00000 | 789605.1 | 784263.4 | 0.0 | S |
| 88.808 | 0.0000 | 0.0000 | 73.679 | 0.17709 | 0.00000 | 789605.1 | 784268.7 | 0.0 | S |
| 88.817 | 0.0000 | 0.0000 | 73.678 | 0.17695 | 0.00000 | 789605.1 | 784274.0 | 0.0 | S |
| 88.825 | 0.0000 | 0.0000 | 73.677 | 0.17681 | 0.00000 | 789605.1 | 784279.3 | 0.0 | S |
| 88.833 | 0.0000 | 0.0000 | 73.676 | 0.17668 | 0.00000 | 789605.1 | 784284.6 | 0.0 | S |
| 88.842 | 0.0000 | 0.0000 | 73.674 | 0.17654 | 0.00000 | 789605.1 | 784289.9 | 0.0 | S |
| 88.850 | 0.0000 | 0.0000 | 73.673 | 0.17640 | 0.00000 | 789605.1 | 784295.2 | 0.0 | S |
| 88.858 | 0.0000 | 0.0000 | 73.672 | 0.17626 | 0.00000 | 789605.1 | 784300.4 | 0.0 | S |
| 88.867 | 0.0000 | 0.0000 | 73.671 | 0.17612 | 0.00000 | 789605.1 | 784305.8 | 0.0 | S |
| 88.875 | 0.0000 | 0.0000 | 73.669 | 0.17599 | 0.00000 | 789605.1 | 784311.1 | 0.0 | S |
| 88.883 | 0.0000 | 0.0000 | 73.668 | 0.17585 | 0.00000 | 789605.1 | 784316.3 | 0.0 | S |
| 88.892 | 0.0000 | 0.0000 | 73.667 | 0.17571 | 0.00000 | 789605.1 | 784321.6 | 0.0 | S |
| 88.900 | 0.0000 | 0.0000 | 73.666 | 0.17558 | 0.00000 | 789605.1 | 784326.9 | 0.0 | S |
| 88.908 | 0.0000 | 0.0000 | 73.664 | 0.17544 | 0.00000 | 789605.1 | 784332.1 | 0.0 | S |
| 88.917 | 0.0000 | 0.0000 | 73.663 | 0.17530 | 0.00000 | 789605.1 | 784337.4 | 0.0 | S |
| 88.925 | 0.0000 | 0.0000 | 73.662 | 0.17517 | 0.00000 | 789605.1 | 784342.6 | 0.0 | S |
| 88.933 | 0.0000 | 0.0000 | 73.661 | 0.17503 | 0.00000 | 789605.1 | 784347.9 | 0.0 | S |
| 88.942 | 0.0000 | 0.0000 | 73.659 | 0.17489 | 0.00000 | 789605.1 | 784353.1 | 0.0 | S |
| 88.950 | 0.0000 | 0.0000 | 73.658 | 0.17476 | 0.00000 | 789605.1 | 784358.4 | 0.0 | S |
| 88.958 | 0.0000 | 0.0000 | 73.657 | 0.17462 | 0.00000 | 789605.1 | 784363.6 | 0.0 | S |
| 88.967 | 0.0000 | 0.0000 | 73.656 | 0.17449 | 0.00000 | 789605.1 | 784368.9 | 0.0 | S |
| 88.975 | 0.0000 | 0.0000 | 73.654 | 0.17435 | 0.00000 | 789605.1 | 784374.1 | 0.0 | S |
| 88.983 | 0.0000 | 0.0000 | 73.653 | 0.17422 | 0.00000 | 789605.1 | 784379.3 | 0.0 | S |
| 88.992 | 0.0000 | 0.0000 | 73.652 | 0.17408 | 0.00000 | 789605.1 | 784384.6 | 0.0 | S |
| 89.000 | 0.0000 | 0.0000 | 73.651 | 0.17395 | 0.00000 | 789605.1 | 784389.8 | 0.0 | S |
| 89.008 | 0.0000 | 0.0000 | 73.649 | 0.17381 | 0.00000 | 789605.1 | 784395.0 | 0.0 | S |
| 89.017 | 0.0000 | 0.0000 | 73.648 | 0.17368 | 0.00000 | 789605.1 | 784400.2 | 0.0 | S |
| 89.025 | 0.0000 | 0.0000 | 73.647 | 0.17355 | 0.00000 | 789605.1 | 784405.4 | 0.0 | S |
| 89.033 | 0.0000 | 0.0000 | 73.646 | 0.17341 | 0.00000 | 789605.1 | 784410.6 | 0.0 | S |
| 89.042 | 0.0000 | 0.0000 | 73.644 | 0.17328 | 0.00000 | 789605.1 | 784415.8 | 0.0 | S |
| 89.050 | 0.0000 | 0.0000 | 73.643 | 0.17315 | 0.00000 | 789605.1 | 784421.0 | 0.0 | S |
| 89.058 | 0.0000 | 0.0000 | 73.642 | 0.17301 | 0.00000 | 789605.1 | 784426.2 | 0.0 | S |
| 89.067 | 0.0000 | 0.0000 | 73.641 | 0.17288 | 0.00000 | 789605.1 | 784431.4 | 0.0 | S |
| 89.075 | 0.0000 | 0.0000 | 73.639 | 0.17275 | 0.00000 | 789605.1 | 784436.6 | 0.0 | S |
| 89.083 | 0.0000 | 0.0000 | 73.638 | 0.17261 | 0.00000 | 789605.1 | 784441.8 | 0.0 | S |
| 89.092 | 0.0000 | 0.0000 | 73.637 | 0.17248 | 0.00000 | 789605.1 | 784446.9 | 0.0 | S |
| 89.100 | 0.0000 | 0.0000 | 73.636 | 0.17235 | 0.00000 | 789605.1 | 784452.1 | 0.0 | S |
| 89.108 | 0.0000 | 0.0000 | 73.634 | 0.17222 | 0.00000 | 789605.1 | 784457.3 | 0.0 | S |
| 89.117 | 0.0000 | 0.0000 | 73.633 | 0.17209 | 0.00000 | 789605.1 | 784462.4 | 0.0 | S |
| 89.125 | 0.0000 | 0.0000 | 73.632 | 0.17195 | 0.00000 | 789605.1 | 784467.6 | 0.0 | S |
| 89.133 | 0.0000 | 0.0000 | 73.631 | 0.17182 | 0.00000 | 789605.1 | 784472.8 | 0.0 | S |
| 89.142 | 0.0000 | 0.0000 | 73.630 | 0.17169 | 0.00000 | 789605.1 | 784477.9 | 0.0 | S |
| 89.150 | 0.0000 | 0.0000 | 73.628 | 0.17156 | 0.00000 | 789605.1 | 784483.1 | 0.0 | S |
| 89.158 | 0.0000 | 0.0000 | 73.627 | 0.17143 | 0.00000 | 789605.1 | 784488.2 | 0.0 | S |
| 89.167 | 0.0000 | 0.0000 | 73.626 | 0.17130 | 0.00000 | 789605.1 | 784493.3 | 0.0 | S |
| 89.175 | 0.0000 | 0.0000 | 73.625 | 0.17117 | 0.00000 | 789605.1 | 784498.5 | 0.0 | S |
| 89.183 | 0.0000 | 0.0000 | 73.623 | 0.17104 | 0.00000 | 789605.1 | 784503.6 | 0.0 | S |
| 89.192 | 0.0000 | 0.0000 | 73.622 | 0.17091 | 0.00000 | 789605.1 | 784508.8 | 0.0 | S |
| 89.200 | 0.0000 | 0.0000 | 73.621 | 0.17078 | 0.00000 | 789605.1 | 784513.9 | 0.0 | S |
| 89.208 | 0.0000 | 0.0000 | 73.620 | 0.17065 | 0.00000 | 789605.1 | 784519.0 | 0.0 | S |
| 89.217 | 0.0000 | 0.0000 | 73.618 | 0.17052 | 0.00000 | 789605.1 | 784524.1 | 0.0 | S |
| 89.225 | 0.0000 | 0.0000 | 73.617 | 0.17039 | 0.00000 | 789605.1 | 784529.2 | 0.0 | S |
| 89.233 | 0.0000 | 0.0000 | 73.616 | 0.17026 | 0.00000 | 789605.1 | 784534.3 | 0.0 | S |
| 89.242 | 0.0000 | 0.0000 | 73.615 | 0.17013 | 0.00000 | 789605.1 | 784539.4 | 0.0 | S |
| 89.250 | 0.0000 | 0.0000 | 73.614 | 0.17000 | 0.00000 | 789605.1 | 784544.6 | 0.0 | S |
| 89.258 | 0.0000 | 0.0000 | 73.612 | 0.16987 | 0.00000 | 789605.1 | 784549.6 | 0.0 | S |
| 89.267 | 0.0000 | 0.0000 | 73.611 | 0.16974 | 0.00000 | 789605.1 | 784554.8 | 0.0 | S |
| 89.275 | 0.0000 | 0.0000 | 73.610 | 0.16962 | 0.00000 | 789605.1 | 784559.8 | 0.0 | S |
| 89.283 | 0.0000 | 0.0000 | 73.609 | 0.16949 | 0.00000 | 789605.1 | 784564.9 | 0.0 | S |
| 89.292 | 0.0000 | 0.0000 | 73.607 | 0.16936 | 0.00000 | 789605.1 | 784570.0 | 0.0 | S |
| 89.300 | 0.0000 | 0.0000 | 73.606 | 0.16923 | 0.00000 | 789605.1 | 784575.1 | 0.0 | S |
| 89.308 | 0.0000 | 0.0000 | 73.605 | 0.16910 | 0.00000 | 789605.1 | 784580.1 | 0.0 | S |
| 89.317 | 0.0000 | 0.0000 | 73.604 | 0.16898 | 0.00000 | 789605.1 | 784585.2 | 0.0 | S |
| 89.325 | 0.0000 | 0.0000 | 73.602 | 0.16885 | 0.00000 | 789605.1 | 784590.3 | 0.0 | S |
| 89.333 | 0.0000 | 0.0000 | 73.601 | 0.16872 | 0.00000 | 789605.1 | 784595.3 | 0.0 | S |
| 89.342 | 0.0000 | 0.0000 | 73.600 | 0.16859 | 0.00000 | 789605.1 | 784600.4 | 0.0 | S |
| 89.350 | 0.0000 | 0.0000 | 73.599 | 0.16847 | 0.00000 | 789605.1 | 784605.4 | 0.0 | S |
| 89.358 | 0.0000 | 0.0000 | 73.598 | 0.16834 | 0.00000 | 789605.1 | 784610.5 | 0.0 | S |
| 89.367 | 0.0000 | 0.0000 | 73.596 | 0.16821 | 0.00000 | 789605.1 | 784615.6 | 0.0 | S |
| 89.375 | 0.0000 | 0.0000 | 73.595 | 0.16809 | 0.00000 | 789605.1 | 784620.6 | 0.0 | S |
| 89.383 | 0.0000 | 0.0000 | 73.594 | 0.16796 | 0.00000 | 789605.1 | 784625.6 | 0.0 | S |
| 89.392 | 0.0000 | 0.0000 | 73.593 | 0.16784 | 0.00000 | 789605.1 | 784630.7 | 0.0 | S |
| 89.400 | 0.0000 | 0.0000 | 73.591 | 0.16771 | 0.00000 | 789605.1 | 784635.7 | 0.0 | S |
| 89.408 | 0.0000 | 0.0000 | 73.590 | 0.16758 | 0.00000 | 789605.1 | 784640.8 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overliow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 89.417 | 0.0000 | 0.0000 | 73.589 | 0.16746 | 0.00000 | 789605.1 | 784645.8 | 0.0 | S |
| 89.425 | 0.0000 | 0.0000 | 73.588 | 0.16733 | 0.00000 | 789605.1 | 784650.8 | 0.0 | S |
| 89.433 | 0.0000 | 0.0000 | 73.587 | 0.16721 | 0.00000 | 789605.1 | 784655.8 | 0.0 | S |
| 89.442 | 0.0000 | 0.0000 | 73.585 | 0.16708 | 0.00000 | 789605.1 | 784660.8 | 0.0 | S |
| 89.450 | 0.0000 | 0.0000 | 73.584 | 0.16696 | 0.00000 | 789605.1 | 784665.8 | 0.0 | S |
| 89.458 | 0.0000 | 0.0000 | 73.583 | 0.16683 | 0.00000 | 789605.1 | 784670.8 | 0.0 | S |
| 89.467 | 0.0000 | 0.0000 | 73.582 | 0.16671 | 0.00000 | 789605.1 | 784675.8 | 0.0 | S |
| 89.475 | 0.0000 | 0.0000 | 73.580 | 0.16659 | 0.00000 | 789605.1 | 784680.8 | 0.0 | S |
| 89.483 | 0.0000 | 0.0000 | 73.579 | 0.16646 | 0.00000 | 789605.1 | 784685.8 | 0.0 | S |
| 89.492 | 0.0000 | 0.0000 | 73.578 | 0.16634 | 0.00000 | 789605.1 | 784690.8 | 0.0 | S |
| 89.500 | 0.0000 | 0.0000 | 73.577 | 0.16621 | 0.00000 | 789605.1 | 784695.8 | 0.0 | S |
| 89.508 | 0.0000 | 0.0000 | 73.576 | 0.16609 | 0.00000 | 789605.1 | 784700.8 | 0.0 | S |
| 89.517 | 0.0000 | 0.0000 | 73.574 | 0.16597 | 0.00000 | 789605.1 | 784705.8 | 0.0 | S |
| 89.525 | 0.0000 | 0.0000 | 73.573 | 0.16584 | 0.00000 | 789605.1 | 784710.8 | 0.0 | S |
| 89.533 | 0.0000 | 0.0000 | 73.572 | 0.16572 | 0.00000 | 789605.1 | 784715.8 | 0.0 | S |
| 89.542 | 0.0000 | 0.0000 | 73.571 | 0.16560 | 0.00000 | 789605.1 | 784720.7 | 0.0 | S |
| 89.550 | 0.0000 | 0.0000 | 73.570 | 0.16547 | 0.00000 | 789605.1 | 784725.7 | 0.0 | S |
| 89.558 | 0.0000 | 0.0000 | 73.568 | 0.16535 | 0.00000 | 789605.1 | 784730.6 | 0.0 | S |
| 89.567 | 0.0000 | 0.0000 | 73.567 | 0.16523 | 0.00000 | 789605.1 | 784735.6 | 0.0 | S |
| 89.575 | 0.0000 | 0.0000 | 73.566 | 0.16510 | 0.00000 | 789605.1 | 784740.6 | 0.0 | S |
| 89.583 | 0.0000 | 0.0000 | 73.565 | 0.16498 | 0.00000 | 789605.1 | 784745.5 | 0.0 | S |
| 89.592 | 0.0000 | 0.0000 | 73.563 | 0.16486 | 0.00000 | 789605.1 | 784750.4 | 0.0 | S |
| 89.600 | 0.0000 | 0.0000 | 73.562 | 0.16474 | 0.00000 | 789605.1 | 784755.4 | 0.0 | S |
| 89.608 | 0.0000 | 0.0000 | 73.561 | 0.16462 | 0.00000 | 789605.1 | 784760.3 | 0.0 | S |
| 89.617 | 0.0000 | 0.0000 | 73.560 | 0.16449 | 0.00000 | 789605.1 | 784765.3 | 0.0 | S |
| 89.625 | 0.0000 | 0.0000 | 73.559 | 0.16437 | 0.00000 | 789605.1 | 784770.2 | 0.0 | S |
| 89.633 | 0.0000 | 0.0000 | 73.557 | 0.16425 | 0.00000 | 789605.1 | 784775.1 | 0.0 | S |
| 89.642 | 0.0000 | 0.0000 | 73.556 | 0.16413 | 0.00000 | 789605.1 | 784780.1 | 0.0 | S |
| 89.650 | 0.0000 | 0.0000 | 73.555 | 0.16401 | 0.00000 | 789605.1 | 784785.0 | 0.0 | S |
| 89.658 | 0.0000 | 0.0000 | 73.554 | 0.16389 | 0.00000 | 789605.1 | 784789.9 | 0.0 | S |
| 89.667 | 0.0000 | 0.0000 | 73.553 | 0.16377 | 0.00000 | 789605.1 | 784794.8 | 0.0 | S |
| 88.675 | 0.0000 | 0.0000 | 73.551 | 0.16365 | 0.00000 | 789605.1 | 784799.8 | 0.0 | S |
| 88.683 | 0.0000 | 0.0000 | 73.550 | 0.16353 | 0.00000 | 789605.1 | 784804.6 | 0.0 | S |
| 89.692 | 0.0000 | 0.0000 | 73.549 | 0.16341 | 0.00000 | 789605.1 | 784809.5 | 0.0 | S |
| 88.700 | 0.0000 | 0.0000 | 73.548 | 0.16329 | 0.00000 | 789605.1 | 784814.4 | 0.0 | S |
| 89.708 | 0.0000 | 0.0000 | 73.547 | 0.16316 | 0.00000 | 789605.1 | 784819.3 | 0.0 | S |
| 89.717 | 0.0000 | 0.0000 | 73.545 | 0.16304 | 0.00000 | 789605.1 | 784824.3 | 0.0 | S |
| 89.725 | 0.0000 | 0.0000 | 73.544 | 0.16293 | 0.00000 | 789605.1 | 784829.1 | 0.0 | S |
| 89.733 | 0.0000 | 0.0000 | 73.543 | 0.16281 | 0.00000 | 789605.1 | 784834.0 | 0.0 | S |
| 89.742 | 0.0000 | 0.0000 | 73.542 | 0.16269 | 0.00000 | 789605.1 | 784838.9 | 0.0 | S |
| 89.750 | 0.0000 | 0.0000 | 73.540 | 0.16257 | 0.00000 | 789605.1 | 784843.8 | 0.0 | S |
| 89.758 | 0.0000 | 0.0000 | 73.539 | 0.16245 | 0.00000 | 789605.1 | 784848.6 | 0.0 | S |
| 89.767 | 0.0000 | 0.0000 | 73.538 | 0.16233 | 0.00000 | 789605.1 | 784853.5 | 0.0 | S |
| 89.775 | 0.0000 | 0.0000 | 73.537 | 0.16221 | 0.00000 | 789605.1 | 784858.4 | 0.0 | S |
| 89.783 | 0.0000 | 0.0000 | 73.536 | 0.16209 | 0.00000 | 789605.1 | 784863.3 | 0.0 | S |
| 89.792 | 0.0000 | 0.0000 | 73.534 | 0.16197 | 0.00000 | 789605.1 | 784868.1 | 0.0 | S |
| 89.800 | 0.0000 | 0.0000 | 73.533 | 0.16185 | 0.00000 | 789605.1 | 784872.9 | 0.0 | S |
| 89.808 | 0.0000 | 0.0000 | 73.532 | 0.16173 | 0.00000 | 789605.1 | 784877.8 | 0.0 | S |
| 89.817 | 0.0000 | 0.0000 | 73.531 | 0.16162 | 0.00000 | 789605.1 | 784882.7 | 0.0 | S |
| 89.825 | 0.0000 | 0.0000 | 73.530 | 0.16150 | 0.00000 | 789605.1 | 784887.5 | 0.0 | S |
| 89.833 | 0.0000 | 0.0000 | 73.528 | 0.16138 | 0.00000 | 789605.1 | 784892.4 | 0.0 | S |
| 89.842 | 0.0000 | 0.0000 | 73.527 | 0.16126 | 0.00000 | 789605.1 | 784897.2 | 0.0 | S |
| 89.850 | 0.0000 | 0.0000 | 73.526 | 0.16114 | 0.00000 | 789605.1 | 784902.0 | 0.0 | S |
| 89.858 | 0.0000 | 0.0000 | 73.525 | 0.16103 | 0.00000 | 789605.1 | 784906.9 | 0.0 | S |
| 89.867 | 0.0000 | 0.0000 | 73.524 | 0.16091 | 0.00000 | 789605.1 | 784911.7 | 0.0 | S |
| 89.875 | 0.0000 | 0.0000 | 73.522 | 0.16079 | 0.00000 | 789605.1 | 784916.5 | 0.0 | S |
| 89.883 | 0.0000 | 0.0000 | 73.521 | 0.16068 | 0.00000 | 789605.1 | 784921.3 | 0.0 | S |
| 89.892 | 0.0000 | 0.0000 | 73.520 | 0.16056 | 0.00000 | 789605.1 | 784926.1 | 0.0 | S |
| 89.900 | 0.0000 | 0.0000 | 73.519 | 0.16044 | 0.00000 | 789605.1 | 784930.9 | 0.0 | S |
| 89.908 | 0.0000 | 0.0000 | 73.518 | 0.16032 | 0.00000 | 789605.1 | 784935.8 | 0.0 | S |
| 89.917 | 0.0000 | 0.0000 | 73.516 | 0.16021 | 0.00000 | 789605.1 | 784940.6 | 0.0 | S |
| 89.925 | 0.0000 | 0.0000 | 73.515 | 0.16009 | 0.00000 | 789605.1 | 784945.4 | 0.0 | S |
| 89.933 | 0.0000 | 0.0000 | 73.514 | 0.15988 | 0.00000 | 789605.1 | 784950.2 | 0.0 | S |
| 89.942 | 0.0000 | 0.0000 | 73.513 | 0.15986 | 0.00000 | 789605.1 | 784955.0 | 0.0 | S |
| 89.950 | 0.0000 | 0.0000 | 73.512 | 0.15974 | 0.00000 | 789605.1 | 784959.8 | 0.0 | S |
| 89.958 | 0.0000 | 0.0000 | 73.511 | 0.15963 | 0.00000 | 789605.1 | 784964.6 | 0.0 | S |
| 89.967 | 0.0000 | 0.0000 | 73.509 | 0.15951 | 0.00000 | 789605.1 | 784969.4 | 0.0 | S |
| 89.975 | 0.0000 | 0.0000 | 73.508 | 0.15940 | 0.00000 | 789605.1 | 784974.1 | 0.0 | S |
| 89.983 | 0.0000 | 0.0000 | 73.507 | 0.15928 | 0.00000 | 789605.1 | 784978.9 | 0.0 | S |
| 89.992 | 0.0000 | 0.0000 | 73.506 | 0.15917 | 0.00000 | 789605.1 | 784983.7 | 0.0 | S |
| 90.000 | 0.0000 | 0.0000 | 73.505 | 0.15905 | 0.00000 | 789605.1 | 784988.5 | 0.0 | S |
| 90.008 | 0.0000 | 0.0000 | 73.503 | 0.15893 | 0.00000 | 789605.1 | 784993.3 | 0.0 | S |
| 90.017 | 0.0000 | 0.0000 | 73.502 | 0.15882 | 0.00000 | 789605.1 | 784998.0 | 0.0 | S |
| 90.025 | 0.0000 | 0.0000 | 73.501 | 0.15870 | 0.00000 | 789605.1 | 785002.8 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | infiltration Rate (ft ${ }^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infilitration Volume (ft ${ }^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | $\begin{aligned} & \text { Flow } \\ & \text { Type } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 90.033 | 0.0000 | 0.0000 | 73.500 | 0.15859 | 0.00000 | 789605.1 | 785007.6 | 0.0 | S |
| 90.042 | 0.0000 | 0.0000 | 73.499 | 0.15848 | 0.00000 | 789605.1 | 785012.3 | 0.0 | S |
| 90.050 | 0.0000 | 0.0000 | 73.497 | 0.15836 | 0.00000 | 789605.1 | 785017.1 | 0.0 | S |
| 90.058 | 0.0000 | 0.0000 | 73.496 | 0.15825 | 0.00000 | 789605.1 | 785021.8 | 0.0 | S |
| 90.067 | 0.0000 | 0.0000 | 73.495 | 0.15813 | 0.00000 | 789605.1 | 785026.6 | 0.0 | S |
| 90.075 | 0.0000 | 0.0000 | 73.494 | 0.15802 | 0.00000 | 789605.1 | 785031.3 | 0.0 | S |
| 90.083 | 0.0000 | 0.0000 | 73.493 | 0.15790 | 0.00000 | 789605.1 | 785036.0 | 0.0 | S |
| 90.092 | 0.0000 | 0.0000 | 73.491 | 0.15779 | 0.00000 | 789605.1 | 785040.8 | 0.0 | S |
| 90.100 | 0.0000 | 0.0000 | 73.490 | 0.15768 | 0.00000 | 789605.1 | 785045.5 | 0.0 | S |
| 90.108 | 0.0000 | 0.0000 | 73.489 | 0.15756 | 0.00000 | 789605.1 | 785050.2 | 0.0 | S |
| 90.117 | 0.0000 | 0.0000 | 73.488 | 0.15745 | 0.00000 | 789605.1 | 785054.9 | 0.0 | S |
| 90.125 | 0.0000 | 0.0000 | 73.487 | 0.15734 | 0.00000 | 789605.1 | 785059.7 | 0.0 | S |
| 90.133 | 0.0000 | 0.0000 | 73.486 | 0.15722 | 0.00000 | 789605.1 | 785064.4 | 0.0 | S |
| 90.142 | 0.0000 | 0.0000 | 73.484 | 0.15711 | 0.00000 | 789605.1 | 785069.1 | 0.0 | S |
| 90.150 | 0.0000 | 0.0000 | 73.483 | 0.15700 | 0.00000 | 789605.1 | 785073.8 | 0.0 | S |
| 90.158 | 0.0000 | 0.0000 | 73.482 | 0.15688 | 0.00000 | 789605.1 | 785078.5 | 0.0 | S |
| 90.167 | 0.0000 | 0.0000 | 73.481 | 0.15677 | 0.00000 | 789605.1 | 785083.3 | 0.0 | S |
| 90.175 | 0.0000 | 0.0000 | 73.480 | 0.15666 | 0.00000 | 789605.1 | 785087.9 | 0.0 | S |
| 90.183 | 0.0000 | 0.0000 | 73.478 | 0.15655 | 0.00000 | 789605.1 | 785092.6 | 0.0 | S |
| 90.192 | 0.0000 | 0.0000 | 73.477 | 0.15643 | 0.00000 | 789605.1 | 785097.3 | 0.0 | S |
| 90.200 | 0.0000 | 0.0000 | 73.476 | 0.15632 | 0.00000 | 789605.1 | 785102.0 | 0.0 | S |
| 90.208 | 0.0000 | 0.0000 | 73.475 | 0.15621 | 0.00000 | 789605.1 | 785106.7 | 0.0 | S |
| 90.217 | 0.0000 | 0.0000 | 73.474 | 0.15610 | 0.00000 | 789605.1 | 785111.4 | 0.0 | S |
| 90.225 | 0.0000 | 0.0000 | 73.473 | 0.15599 | 0.00000 | 789605.1 | 785116.1 | 0.0 | S |
| 90.233 | 0.0000 | 0.0000 | 73.471 | 0.15587 | 0.00000 | 789605.1 | 785120.8 | 0.0 | S |
| 90.242 | 0.0000 | 0.0000 | 73.470 | 0.15576 | 0.00000 | 789605.1 | 785125.4 | 0.0 | S |
| 90.250 | 0.0000 | 0.0000 | 73.469 | 0.15565 | 0.00000 | 789605.1 | 785130.1 | 0.0 | S |
| 90.258 | 0.0000 | 0.0000 | 73.468 | 0.15554 | 0.00000 | 789605.1 | 785134.8 | 0.0 | S |
| 90.267 | 0.0000 | 0.0000 | 73.467 | 0.15543 | 0.00000 | 789605.1 | 785139.4 | 0.0 | S |
| 90.275 | 0.0000 | 0.0000 | 73.465 | 0.15532 | 0.00000 | 789605.1 | 785144.1 | 0.0 | S |
| 90.283 | 0.0000 | 0.0000 | 73.464 | 0.15521 | 0.00000 | 789605.1 | 785148.8 | 0.0 | S |
| 90.292 | 0.0000 | 0.0000 | 73.463 | 0.15510 | 0.00000 | 789605.1 | 785153.4 | 0.0 | S |
| 90.300 | 0.0000 | 0.0000 | 73.462 | 0.15499 | 0.00000 | 789605.1 | 785158.1 | 0.0 | S |
| 90.308 | 0.0000 | 0.0000 | 73.461 | 0.15488 | 0.00000 | 789605.1 | 785162.7 | 0.0 | S |
| 90.317 | 0.0000 | 0.0000 | 73.460 | 0.15476 | 0.00000 | 789605.1 | 785167.3 | 0.0 | S |
| 90.325 | 0.0000 | 0.0000 | 73.458 | 0.15465 | 0.00000 | 789605.1 | 785172.0 | 0.0 | S |
| 90.333 | 0.0000 | 0.0000 | 73.457 | 0.15454 | 0.00000 | 789605.1 | 785176.6 | 0.0 | S |
| 90.342 | 0.0000 | 0.0000 | 73.456 | 0.15443 | 0.00000 | 789605.1 | 785181.3 | 0.0 | S |
| 90.350 | 0.0000 | 0.0000 | 73.455 | 0.15432 | 0.00000 | 789605.1 | 785185.9 | 0.0 | S |
| 90.358 | 0.0000 | 0.0000 | 73.454 | 0.15421 | 0.00000 | 789605.1 | 785190.5 | 0.0 | S |
| 90.367 | 0.0000 | 0.0000 | 73.453 | 0.15410 | 0.00000 | 789605.1 | 785195.1 | 0.0 | S |
| 90.375 | 0.0000 | 0.0000 | 73.451 | 0.15399 | 0.00000 | 789605.1 | 785199.8 | 0.0 | S |
| 90.383 | 0.0000 | 0.0000 | 73.450 | 0.15389 | 0.00000 | 789605.1 | 785204.4 | 0.0 | S |
| 90.392 | 0.0000 | 0.0000 | 73.449 | 0.15378 | 0.00000 | 789605.1 | 785209.0 | 0.0 | S |
| 90.400 | 0.0000 | 0.0000 | 73.448 | 0.15367 | 0.00000 | 789605.1 | 785213.6 | 0.0 | S |
| 90.408 | 0.0000 | 0.0000 | 73.447 | 0.15356 | 0.00000 | 789605.1 | 785218.2 | 0.0 | S |
| 90.417 | 0.0000 | 0.0000 | 73.445 | 0.15345 | 0.00000 | 789605.1 | 785222.8 | 0.0 | S |
| 90.425 | 0.0000 | 0.0000 | 73.444 | 0.15334 | 0.00000 | 789605.1 | 785227.4 | 0.0 | S |
| 90.433 | 0.0000 | 0.0000 | 73.443 | 0.15323 | 0.00000 | 789605.1 | 785232.0 | 0.0 | S |
| 90.442 | 0.0000 | 0.0000 | 73.442 | 0.15312 | 0.00000 | 789605.1 | 785236.6 | 0.0 | S |
| 90.450 | 0.0000 | 0.0000 | 73.441 | 0.15301 | 0.00000 | 789605.1 | 785241.2 | 0.0 | S |
| 90.458 | 0.0000 | 0.0000 | 73.440 | 0.15290 | 0.00000 | 789605.1 | 785245.8 | 0.0 | S |
| 90.467 | 0.0000 | 0.0000 | 73.438 | 0.15280 | 0.00000 | 789605.1 | 785250.4 | 0.0 | S |
| 90.475 | 0.0000 | 0.0000 | 73.437 | 0.15269 | 0.00000 | 789605.1 | 785254.9 | 0.0 | S |
| 90.483 | 0.0000 | 0.0000 | 73.436 | 0.15258 | 0.00000 | 789605.1 | 785259.6 | 0.0 | S |
| 90.492 | 0.0000 | 0.0000 | 73.435 | 0.15247 | 0.00000 | 789605.1 | 785264.1 | 0.0 | S |
| 90.500 | 0.0000 | 0.0000 | 73.434 | 0.15236 | 0.00000 | 789605.1 | 785268.7 | 0.0 | S |
| 90.508 | 0.0000 | 0.0000 | 73.433 | 0.15226 | 0.00000 | 789605.1 | 785273.3 | 0.0 | S |
| 90.517 | 0.0000 | 0.0000 | 73.431 | 0.15215 | 0.00000 | 789605.1 | 785277.8 | 0.0 | S |
| 90.525 | 0.0000 | 0.0000 | 73.430 | 0.15204 | 0.00000 | 789605.1 | 785282.4 | 0.0 | S |
| 90.533 | 0.0000 | 0.0000 | 73.429 | 0.15193 | 0.00000 | 789605.1 | 785286.9 | 0.0 | S |
| 90.542 | 0.0000 | 0.0000 | 73.428 | 0.15183 | 0.00000 | 789605.1 | 785291.5 | 0.0 | S |
| 90.550 | 0.0000 | 0.0000 | 73.427 | 0.15172 | 0.00000 | 789605.1 | 785296.1 | 0.0 | S |
| 90.558 | 0.0000 | 0.0000 | 73.426 | 0.15161 | 0.00000 | 789605.1 | 785300.6 | 0.0 | S |
| 90.567 | 0.0000 | 0.0000 | 73.424 | 0.15150 | 0.00000 | 789605.1 | 785305.1 | 0.0 | S |
| 90.575 | 0.0000 | 0.0000 | 73.423 | 0.15140 | 0.00000 | 789605.1 | 785309.7 | 0.0 | S |
| 90.583 | 0.0000 | 0.0000 | 73.422 | 0.15129 | 0.00000 | 789605.1 | 785314.3 | 0.0 | S |
| 90.592 | 0.0000 | 0.0000 | 73.421 | 0.15118 | 0.00000 | 789605.1 | 785318.8 | 0.0 | S |
| 90.600 | 0.0000 | 0.0000 | 73.420 | 0.15108 | 0.00000 | 789605.1 | 785323.3 | 0.0 | S |
| 90.608 | 0.0000 | 0.0000 | 73.419 | 0.15097 | 0.00000 | 789605.1 | 785327.8 | 0.0 | S |
| 90.617 | 0.0000 | 0.0000 | 73.417 | 0.15086 | 0.00000 | 789605.1 | 785332.4 | 0.0 | S |
| 90.625 | 0.0000 | 0.0000 | 73.416 | 0.15076 | 0.00000 | 789605.1 | 785336.9 | 0.0 | S |
| 90.633 | 0.0000 | 0.0000 | 73.415 | 0.15065 | 0.00000 | 789605.1 | 785341.4 | 0.0 | S |
| 90.642 | 0.0000 | 0.0000 | 73.414 | 0.15055 | 0.00000 | 789605.1 | 785345.9 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3 / 3}$ ) | Outside Recharge (fi/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 90.650 | 0.0000 | 0.0000 | 73.413 | 0.15044 | 0.00000 | 789605.1 | 785350.4 | 0.0 | S |
| 90.658 | 0.0000 | 0.0000 | 73.412 | 0.15033 | 0.00000 | 789605.1 | 785354.9 | 0.0 | S |
| 90.667 | 0.0000 | 0.0000 | 73.410 | 0.15023 | 0.00000 | 789605.1 | 785359.4 | 0.0 | S |
| 90.675 | 0.0000 | 0.0000 | 73.409 | 0.15012 | 0.00000 | 789605.1 | 785363.9 | 0.0 | S |
| 90.683 | 0.0000 | 0.0000 | 73.408 | 0.15002 | 0.00000 | 789605.1 | 785368.4 | 0.0 | S |
| 90.692 | 0.0000 | 0.0000 | 73.407 | 0.14991 | 0.00000 | 789605.1 | 785372.9 | 0.0 | S |
| 90.700 | 0.0000 | 0.0000 | 73.406 | 0.14981 | 0.00000 | 789605.1 | 785377.4 | 0.0 | S |
| 90.708 | 0.0000 | 0.0000 | 73.405 | 0.14970 | 0.00000 | 789605.1 | 785381.9 | 0.0 | S |
| 90.717 | 0.0000 | 0.0000 | 73.404 | 0.14960 | 0.00000 | 789605.1 | 785386.4 | 0.0 | S |
| 90.725 | 0.0000 | 0.0000 | 73.402 | 0.14949 | 0.00000 | 789605.1 | 785390.9 | 0.0 | S |
| 90.733 | 0.0000 | 0.0000 | 73.401 | 0.14939 | 0.00000 | 789605.1 | 785395.4 | 0.0 | S |
| 90.742 | 0.0000 | 0.0000 | 73.400 | 0.14928 | 0.00000 | 789605.1 | 785399.9 | 0.0 | S |
| 90.750 | 0.0000 | 0.0000 | 73.399 | 0.14918 | 0.00000 | 789605.1 | 785404.4 | 0.0 | S |
| 90.758 | 0.0000 | 0.0000 | 73.398 | 0.14907 | 0.00000 | 789605.1 | 785408.8 | 0.0 | S |
| 90.767 | 0.0000 | 0.0000 | 73.397 | 0.14897 | 0.00000 | 789605.1 | 785413.3 | 0.0 | S |
| 90.775 | 0.0000 | 0.0000 | 73.395 | 0.14886 | 0.00000 | 789605.1 | 785417.8 | 0.0 | S |
| 90.783 | 0.0000 | 0.0000 | 73.394 | 0.14876 | 0.00000 | 789605.1 | 785422.3 | 0.0 | S |
| 90.792 | 0.0000 | 0.0000 | 73.393 | 0.14866 | 0.00000 | 789605.1 | 785426.7 | 0.0 | S |
| 90.800 | 0.0000 | 0.0000 | 73.392 | 0.14855 | 0.00000 | 789605.1 | 785431.2 | 0.0 | S |
| 90.808 | 0.0000 | 0.0000 | 73.391 | 0.14845 | 0.00000 | 789605.1 | 785435.6 | 0.0 | S |
| 90.817 | 0.0000 | 0.0000 | 73.390 | 0.14834 | 0.00000 | 789605.1 | 785440.1 | 0.0 | S |
| 90.825 | 0.0000 | 0.0000 | 73.389 | 0.14824 | 0.00000 | 789605.1 | 785444.5 | 0.0 | 5 |
| 90.833 | 0.0000 | 0.0000 | 73.387 | 0.14814 | 0.00000 | 789605.1 | 785448.9 | 0.0 | S |
| 90.842 | 0.0000 | 0.0000 | 73.386 | 0.14803 | 0.00000 | 789605.1 | 785453.4 | 0.0 | S |
| 90.850 | 0.0000 | 0.0000 | 73.385 | 0.14793 | 0.00000 | 789605.1 | 785457.9 | 0.0 | S |
| 90.858 | 0.0000 | 0.0000 | 73.384 | 0.14783 | 0.00000 | 789605.1 | 785462.3 | 0.0 | S |
| 90.867 | 0.0000 | 0.0000 | 73.383 | 0.14772 | 0.00000 | 789605.1 | 785466.7 | 0.0 | 5 |
| 90.875 | 0.0000 | 0.0000 | 73.382 | 0.14762 | 0.00000 | 789605.1 | 785471.1 | 0.0 | S |
| 90.883 | 0.0000 | 0.0000 | 73.380 | 0.14752 | 0.00000 | 789605.1 | 785475.6 | 0.0 | S |
| 90.892 | 0.0000 | 0.0000 | 73.379 | 0.14741 | 0.00000 | 789605.1 | 785480.0 | 0.0 | 5 |
| 90.900 | 0.0000 | 0.0000 | 73.378 | 0.14731 | 0.00000 | 789605.1 | 785484.4 | 0.0 | S |
| 90.908 | 0.0000 | 0.0000 | 73.377 | 0.14721 | 0.00000 | 789605.1 | 785488.8 | 0.0 | S |
| 90.917 | 0.0000 | 0.0000 | 73.376 | 0.14711 | 0.00000 | 789605.1 | 785493.3 | 0.0 | 5 |
| 90.925 | 0.0000 | 0.0000 | 73.375 | 0.14700 | 0.00000 | 789605.1 | 785497.7 | 0.0 | S |
| 90.933 | 0.0000 | 0.0000 | 73.374 | 0.14690 | 0.00000 | 789605.1 | 785502.1 | 0.0 | 5 |
| 90.942 | 0.0000 | 0.0000 | 73.372 | 0.14680 | 0.00000 | 789605.1 | 785506.5 | 0.0 | S |
| 90.950 | 0.0000 | 0.0000 | 73.371 | 0.14670 | 0.00000 | 789605.1 | 785510.9 | 0.0 | S |
| 90.958 | 0.0000 | 0.0000 | 73.370 | 0.14659 | 0.00000 | 789605.1 | 785515.3 | 0.0 | S |
| 90.967 | 0.0000 | 0.0000 | 73.369 | 0.14649 | 0.00000 | 789605.1 | 785519.7 | 0.0 | S |
| 90.975 | 0.0000 | 0.0000 | 73.368 | 0.14639 | 0.00000 | 789605.1 | 785524.1 | 0.0 | S |
| 90.983 | 0.0000 | 0.0000 | 73.367 | 0.14629 | 0.00000 | 789605.1 | 785528.4 | 0.0 | S |
| 90.992 | 0.0000 | 0.0000 | 73.365 | 0.14619 | 0.00000 | 789605.1 | 785532.9 | 0.0 | S |
| 91.000 | 0.0000 | 0.0000 | 73.364 | 0.14609 | 0.00000 | 789605.1 | 785537.3 | 0.0 | S |
| 91.008 | 0.0000 | 0.0000 | 73.363 | 0.14598 | 0.00000 | 789605.1 | 785541.6 | 0.0 | S |
| 91.017 | 0.0000 | 0.0000 | 73.362 | 0.14588 | 0.00000 | 789605.1 | 785546.0 | 0.0 | S |
| 91.025 | 0.0000 | 0.0000 | 73.361 | 0.14578 | 0.00000 | 789605.1 | 785550.4 | 0.0 | S |
| 91.033 | 0.0000 | 0.0000 | 73.360 | 0.14568 | 0.00000 | 789605.1 | 785554.8 | 0.0 | S |
| 91.042 | 0.0000 | 0.0000 | 73.359 | 0.14558 | 0.00000 | 789605.1 | 785559.1 | 0.0 | S |
| 91.050 | 0.0000 | 0.0000 | 73.357 | 0.14548 | 0.00000 | 789605.1 | 785563.5 | 0.0 | S |
| 91.058 | 0.0000 | 0.0000 | 73.356 | 0.14538 | 0.00000 | 789605.1 | 785567.8 | 0.0 | S |
| 91.067 | 0.0000 | 0.0000 | 73.355 | 0.14528 | 0.00000 | 789605.1 | 785572.2 | 0.0 | S |
| 91.075 | 0.0000 | 0.0000 | 73.354 | 0.14518 | 0.00000 | 789605.1 | 785576.6 | 0.0 | S |
| 91.083 | 0.0000 | 0.0000 | 73.353 | 0.14507 | 0.00000 | 789605.1 | 785580.9 | 0.0 | S |
| 91.092 | 0.0000 | 0.0000 | 73.352 | 0.14497 | 0.00000 | 789605.1 | 785585.3 | 0.0 | S |
| 91.100 | 0.0000 | 0.0000 | 73.351 | 0.14487 | 0.00000 | 789605.1 | 785589.6 | 0.0 | S |
| 91.108 | 0.0000 | 0.0000 | 73.349 | 0.14477 | 0.00000 | 789605.1 | 785593.9 | 0.0 | S |
| 91.117 | 0.0000 | 0.0000 | 73.348 | 0.14467 | 0.00000 | 789605.1 | 785598.3 | 0.0 | S |
| 91.125 | 0.0000 | 0.0000 | 73.347 | 0.14457 | 0.00000 | 789605.1 | 785602.6 | 0.0 | S |
| 91.133 | 0.0000 | 0.0000 | 73.346 | 0.14447 | 0.00000 | 789605.1 | 785606.9 | 0.0 | S |
| 91.142 | 0.0000 | 0.0000 | 73.345 | 0.14437 | 0.00000 | 789605.1 | 785611.3 | 0.0 | S |
| 91.150 | 0.0000 | 0.0000 | 73.344 | 0.14427 | 0.00000 | 789605.1 | 785615.6 | 0.0 | S |
| 91.158 | 0,0000 | 0.0000 | 73.343 | 0.14417 | 0.00000 | 789605.1 | 785619.9 | 0.0 | S |
| 91.167 | 0.0000 | 0.0000 | 73.342 | 0.14407 | 0.00000 | 789605.1 | 785624.3 | 0.0 | S |
| 91.175 | 0.0000 | 0.0000 | 73.340 | 0.14397 | 0.00000 | 789605.1 | 785628.6 | 0.0 | S |
| 91.183 | 0.0000 | 0.0000 | 73.339 | 0.14387 | 0.00000 | 789605.1 | 785632.9 | 0.0 | S |
| 91.192 | 0.0000 | 0.0000 | 73.338 | 0.14377 | 0.00000 | 789605.1 | 785637.3 | 0.0 | S |
| 91.200 | 0.0000 | 0.0000 | 73.337 | 0.14368 | 0.00000 | 789605.1 | 785641.6 | 0.0 | S |
| 91.208 | 0.0000 | 0.0000 | 73.336 | 0.14358 | 0.00000 | 789605.1 | 785645.9 | 0.0 | S |
| 91.217 | 0.0000 | 0.0000 | 73.335 | 0.14348 | 0.00000 | 789605.1 | 785650.1 | 0.0 | S |
| 91.225 | 0.0000 | 0.0000 | 73.334 | 0.14338 | 0.00000 | 789605.1 | 785654.4 | 0.0 | S |
| 91.233 | 0.0000 | 0.0000 | 73.332 | 0.14328 | 0.00000 | 789605.1 | 785658.8 | 0.0 | S |
| 91.242 | 0.0000 | 0.0000 | 73.331 | 0.14318 | 0.00000 | 789605.1 | 785663.1 | 0.0 | S |
| 91.250 | 0.0000 | 0.0000 | 73.330 | 0.14308 | 0.00000 | 789605.1 | 785667.4 | 0.0 | S |
| 91.258 | 0.0000 | 0.0000 | 73.329 | 0.14298 | 0.00000 | 789605.1 | 785671.6 | 0.0 | S |

# PONDS Version 3.2.0207 <br> Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E. 

## Detailed Results (cont,d.) :: Scenario 1 :: Pond 5100 yr / 24 hr

| Elapsed Time (hours) | Inflow Rate (f $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infitration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{n}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumutative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 91.267 | 0.0000 | 0.0000 | 73.328 | 0.14288 | 0.00000 | 789605.1 | 785675.9 | 0.0 | S |
| 91.275 | 0.0000 | 0.0000 | 73.327 | 0.14279 | 0.00000 | 789605.1 | 785680.2 | 0.0 | S |
| 91.283 | 0.0000 | 0.0000 | 73.326 | 0.14269 | 0.00000 | 789605.1 | 785684.5 | 0.0 | S |
| 91.292 | 0.0000 | 0.0000 | 73.324 | 0.14259 | 0.00000 | 789605.1 | 785688.8 | 0.0 | S |
| 91.300 | 0.0000 | 0.0000 | 73.323 | 0.14249 | 0.00000 | 789605.1 | 785693.1 | 0.0 | S |
| 91.308 | 0.0000 | 0.0000 | 73.322 | 0.14239 | 0.00000 | 789605.1 | 785697.3 | 0.0 | S |
| 91.317 | 0.0000 | 0.0000 | 73.321 | 0.14230 | 0.00000 | 789605.1 | 785701.6 | 0.0 | S |
| 91.325 | 0.0000 | 0.0000 | 73.320 | 0.14220 | 0.00000 | 789605.1 | 785705.9 | 0.0 | S |
| 91.333 | 0.0000 | 0.0000 | 73.319 | 0.14210 | 0.00000 | 789605.1 | 785710.1 | 0.0 | S |
| 91.342 | 0.0000 | 0.0000 | 73.318 | 0.14200 | 0.00000 | 789605.1 | 785714.4 | 0.0 | S |
| 91.350 | 0.0000 | 0.0000 | 73.317 | 0.14190 | 0.00000 | 789605.1 | 785718.6 | 0.0 | S |
| 91.358 | 0.0000 | 0.0000 | 73.315 | 0.14181 | 0.00000 | 789605.1 | 785722.9 | 0.0 | S |
| 91.367 | 0.0000 | 0.0000 | 73.314 | 0.14171 | 0.00000 | 789605.1 | 785727.1 | 0.0 | S |
| 91.375 | 0.0000 | 0.0000 | 73.313 | 0.14161 | 0.00000 | 789605.1 | 785731.4 | 0.0 | S |
| 91.383 | 0.0000 | 0.0000 | 73.312 | 0.14151 | 0.00000 | 789605.1 | 785735.6 | 0.0 | S |
| 91.392 | 0.0000 | 0.0000 | 73.311 | 0.14142 | 0.00000 | 789605.1 | 785739.9 | 0.0 | S |
| 91.400 | 0.0000 | 0.0000 | 73.310 | 0.14132 | 0.00000 | 789605.1 | 785744.1 | 0.0 | S |
| 91.408 | 0.0000 | 0.0000 | 73.309 | 0.14122 | 0.00000 | 789605.1 | 785748.4 | 0.0 | S |
| 91.417 | 0.0000 | 0.0000 | 73.307 | 0.14113 | 0.00000 | 789605.1 | 785752.6 | 0.0 | S |
| 91.425 | 0.0000 | 0.0000 | 73.306 | 0.14103 | 0.00000 | 789605.1 | 785756.8 | 0.0 | S |
| 91.433 | 0.0000 | 0.0000 | 73.305 | 0.14093 | 0.00000 | 789605.1 | 785761.1 | 0.0 | S |
| 91.442 | 0.0000 | 0.0000 | 73.304 | 0.14084 | 0.00000 | 789605.1 | 785765.3 | 0.0 | S |
| 91.450 | 0.0000 | 0.0000 | 73.303 | 0.14074 | 0.00000 | 789605.1 | 785769.5 | 0.0 | S |
| 91.458 | 0.0000 | 0.0000 | 73.302 | 0.14064 | 0.00000 | 789605.1 | 785773.8 | 0.0 | S |
| 91.467 | 0.0000 | 0.0000 | 73.301 | 0.14055 | 0.00000 | 789605.1 | 785777.9 | 0.0 | S |
| 91.475 | 0.0000 | 0.0000 | 73.300 | 0.14045 | 0.00000 | 789605.1 | 785782.2 | 0.0 | S |
| 91.483 | 0.0000 | 0.0000 | 73.298 | 0.14035 | 0.00000 | 789605.1 | 785786.4 | 0.0 | S |
| 91.492 | 0.0000 | 0.0000 | 73.297 | 0.14026 | 0.00000 | 789605.1 | 785790.6 | 0.0 | S |
| 91.500 | 0.0000 | 0.0000 | 73.296 | 0.14016 | 0.00000 | 789605.1 | 785794.8 | 0.0 | S |
| 91.508 | 0.0000 | 0.0000 | 73.295 | 0.14007 | 0.00000 | 789605.1 | 785799.0 | 0.0 | S |
| 91.517 | 0.0000 | 0.0000 | 73.294 | 0.13997 | 0.00000 | 789605.1 | 785803.2 | 0.0 | S |
| 91.525 | 0.0000 | 0.0000 | 73.293 | 0.13987 | 0.00000 | 789605.1 | 785807.4 | 0.0 | S |
| 91.533 | 0.0000 | 0.0000 | 73.292 | 0.13978 | 0.00000 | 789605.1 | 785811.6 | 0.0 | S |
| 91.542 | 0.0000 | 0.0000 | 73.291 | 0.13968 | 0.00000 | 789605.1 | 785815.8 | 0.0 | S |
| 91.550 | 0.0000 | 0.0000 | 73.289 | 0.13959 | 0.00000 | 789605.1 | 785820.0 | 0.0 | S |
| 91.558 | 0.0000 | 0.0000 | 73.288 | 0.13949 | 0.00000 | 789605.1 | 785824.2 | 0.0 | S |
| 91.567 | 0.0000 | 0.0000 | 73.287 | 0.13940 | 0.00000 | 789605.1 | 785828.4 | 0.0 | S |
| 91.575 | 0.0000 | 0.0000 | 73.286 | 0.13930 | 0.00000 | 789605.1 | 785832.5 | 0.0 | S |
| 91.583 | 0.0000 | 0.0000 | 73.285 | 0.13921 | 0.00000 | 789605.1 | 785836.7 | 0.0 | S |
| 91.592 | 0.0000 | 0.0000 | 73.284 | 0.13911 | 0.00000 | 789605.1 | 785840.9 | 0.0 | S |
| 91.600 | 0.0000 | 0.0000 | 73.283 | 0.13902 | 0.00000 | 789605.1 | 785845.1 | 0.0 | S |
| 91.608 | 0.0000 | 0.0000 | 73.282 | 0.13892 | 0.00000 | 789605.1 | 785849.3 | 0.0 | S |
| 91.617 | 0.0000 | 0.0000 | 73.280 | 0.13883 | 0.00000 | 789605.1 | 785853.4 | 0.0 | S |
| 91.625 | 0.0000 | 0.0000 | 73.279 | 0.13873 | 0.00000 | 789605.1 | 785857.6 | 0.0 | S |
| 91.633 | 0.0000 | 0.0000 | 73.278 | 0.13864 | 0.00000 | 789605.1 | 785861.7 | 0.0 | S |
| 91.642 | 0.0000 | 0.0000 | 73.277 | 0.13854 | 0.00000 | 789605.1 | 785865.9 | 0.0 | S |
| 91.650 | 0.0000 | 0.0000 | 73.276 | 0.13845 | 0.00000 | 789605.1 | 785870.0 | 0.0 | S |
| 91.658 | 0.0000 | 0.0000 | 73.275 | 0.13835 | 0.00000 | 789605.1 | 785874.2 | 0.0 | S |
| 91.667 | 0.0000 | 0.0000 | 73.274 | 0.13826 | 0.00000 | 789605.1 | 785878.3 | 0.0 | S |
| 91.675 | 0.0000 | 0.0000 | 73.273 | 0.13816 | 0.00000 | 789605.1 | 785882.5 | 0.0 | S |
| 91.683 | 0.0000 | 0.0000 | 73.272 | 0.13807 | 0.00000 | 789605.1 | 785886.6 | 0.0 | S |
| 91.692 | 0.0000 | 0.0000 | 73.270 | 0.13798 | 0.00000 | 789605.1 | 785890.8 | 0.0 | S |
| 91.700 | 0.0000 | 0.0000 | 73.269 | 0.13788 | 0.00000 | 789605.1 | 785894.9 | 0.0 | S |
| 91.708 | 0.0000 | 0.0000 | 73.268 | 0.13779 | 0.00000 | 789605.1 | 785899.0 | 0.0 | S |
| 91.717 | 0.0000 | 0.0000 | 73.267 | 0.13769 | 0.00000 | 789605.1 | 785903.2 | 0.0 | S |
| 91.725 | 0.0000 | 0.0000 | 73.266 | 0.13760 | 0.00000 | 789605.1 | 785907.3 | 0.0 | S |
| 91.733 | 0.0000 | 0.0000 | 73.265 | 0.13751 | 0.00000 | 789605.1 | 785911.4 | 0.0 | S |
| 91.742 | 0.0000 | 0.0000 | 73.264 | 0.13741 | 0.00000 | 789605.1 | 785915.6 | 0.0 | S |
| 91.750 | 0.0000 | 0.0000 | 73.263 | 0.13732 | 0.00000 | 789605.1 | 785919.7 | 0.0 | S |
| 91.758 | 0.0000 | 0.0000 | 73.261 | 0.13723 | 0.00000 | 789605.1 | 785923.8 | 0.0 | S |
| 91.767 | 0.0000 | 0.0000 | 73.260 | 0.13713 | 0.00000 | 789605.1 | 785927.9 | 0.0 | S |
| 91.775 | 0.0000 | 0.0000 | 73.259 | 0.13704 | 0.00000 | 789605.1 | 785932.0 | 0.0 | S |
| 91.783 | 0.0000 | 0.0000 | 73.258 | 0.13695 | 0.00000 | 789605.1 | 785936.1 | 0.0 | S |
| 91.792 | 0.0000 | 0.0000 | 73.257 | 0.13685 | 0.00000 | 789605.1 | 785940.3 | 0.0 | S |
| 91.800 | 0.0000 | 0.0000 | 73.256 | 0.13676 | 0.00000 | 789605.1 | 785944.3 | 0.0 | S |
| 91.808 | 0.0000 | 0.0000 | 73.255 | 0.13667 | 0.00000 | 789605.1 | 785948.4 | 0.0 | S |
| 91.817 | 0.0000 | 0.0000 | 73.254 | 0.13658 | 0.00000 | 789605.1 | 785952.5 | 0.0 | S |
| 91.825 | 0.0000 | 0.0000 | 73.253 | 0.13648 | 0.00000 | 789605.1 | 785956.6 | 0.0 | S |
| 91.833 | 0.0000 | 0.0000 | 73.251 | 0.13639 | 0.00000 | 789605.1 | 785960.7 | 0.0 | S |
| 91.842 | 0.0000 | 0.0000 | 73.250 | 0.13630 | 0.00000 | 789605.1 | 785964.8 | 0.0 | S |
| 91.850 | 0.0000 | 0.0000 | 73.249 | 0.13620 | 0.00000 | 789605.1 | 785968.9 | 0.0 | S |
| 91.858 | 0.0000 | 0.0000 | 73.248 | 0.13611 | 0.00000 | 789605.1 | 785973.0 | 0.0 | S |
| 91.867 | 0.0000 | 0.0000 | 73.247 | 0.13602 | 0.00000 | 789605.1 | 785977.1 | 0.0 | S |
| 91.875 | 0.0000 | 0.0000 | 73.246 | 0.13593 | 0.00000 | 789605.1 | 785981.1 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (fl/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{t}^{3 / \mathrm{s}}$ ) | Overflow <br> Discharge <br> (f $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Discharge Volume (f ${ }^{3}$ ) | $\begin{aligned} & \text { Flow } \\ & \text { Type } \\ & \hline \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 91.883 | 0.0000 | 0.0000 | 73.245 | 0.13584 | 0.00000 | 789605.1 | 785985.3 | 0.0 | S |
| 91.892 | 0.0000 | 0.0000 | 73.244 | 0.13574 | 0.00000 | 789605.1 | 785989.3 | 0.0 | S |
| 91.900 | 0.0000 | 0.0000 | 73.243 | 0.13565 | 0.00000 | 789605.1 | 785993.4 | 0.0 | S |
| 91.908 | 0.0000 | 0.0000 | 73.241 | 0.13556 | 0.00000 | 789605.1 | 785997.4 | 0.0 | S |
| 91.917 | 0.0000 | 0.0000 | 73.240 | 0.13547 | 0.00000 | 789605.1 | 786001.5 | 0.0 | S |
| 91.925 | 0.0000 | 0.0000 | 73.239 | 0.13538 | 0.00000 | 789605.1 | 786005.6 | 0.0 | S |
| 91.933 | 0.0000 | 0.0000 | 73.238 | 0.13528 | 0.00000 | 789605.1 | 786009.6 | 0.0 | S |
| 91.942 | 0.0000 | 0.0000 | 73.237 | 0.13519 | 0.00000 | 789605.1 | 786013.7 | 0.0 | S |
| 91.950 | 0.0000 | 0.0000 | 73.236 | 0.13510 | 0.00000 | 789605.1 | 786017.8 | 0.0 | S |
| 91.958 | 0.0000 | 0.0000 | 73.235 | 0.13501 | 0.00000 | 789605.1 | 786021.8 | 0.0 | S |
| 91.967 | 0.0000 | 0.0000 | 73.234 | 0.13492 | 0.00000 | 789605.1 | 786025.8 | 0.0 | S |
| 91.975 | 0.0000 | 0.0000 | 73.233 | 0.13483 | 0.00000 | 789605.1 | 786029.9 | 0.0 | S |
| 91.983 | 0.0000 | 0.0000 | 73.231 | 0.13474 | 0.00000 | 789605.1 | 786033.9 | 0.0 | 5 |
| 91.992 | 0.0000 | 0.0000 | 73.230 | 0.13464 | 0.00000 | 789605.1 | 786037.9 | 0.0 | S |
| 92.000 | 0.0000 | 0.0000 | 73.229 | 0.13455 | 0.00000 | 789605.1 | 786042.0 | 0.0 | 5 |
| 92.008 | 0.0000 | 0.0000 | 73.228 | 0.13446 | 0.00000 | 789605.1 | 786046.1 | 0.0 | S |
| 92.017 | 0.0000 | 0.0000 | 73.227 | 0.13437 | 0.00000 | 789605.1 | 786050.1 | 0.0 | S |
| 92.025 | 0.0000 | 0.0000 | 73.226 | 0.13428 | 0.00000 | 789605.1 | 786054.1 | 0.0 | S |
| 92.033 | 0.0000 | 0.0000 | 73.225 | 0.13419 | 0.00000 | 789605.1 | 786058.1 | 0.0 | S |
| 92.042 | 0.0000 | 0.0000 | 73.224 | 0.13410 | 0.00000 | 789605.1 | 786062.1 | 0.0 | S |
| 92.050 | 0.0000 | 0.0000 | 73.223 | 0.13401 | 0.00000 | 789605.1 | 786066.2 | 0.0 | S |
| 92.058 | 0.0000 | 0.0000 | 73.222 | 0.13392 | 0.00000 | 789605.1 | 786070.2 | 0.0 | S |
| 92.067 | 0.0000 | 0.0000 | 73.220 | 0.13383 | 0.00000 | 789605.1 | 786074.2 | 0.0 | S |
| 92.075 | 0.0000 | 0.0000 | 73.219 | 0.13374 | 0.00000 | 789605.1 | 786078.2 | 0.0 | S |
| 92.083 | 0.0000 | 0.0000 | 73.218 | 0.13365 | 0.00000 | 789605.1 | 786082.3 | 0.0 | S |
| 92.092 | 0.0000 | 0.0000 | 73.217 | 0.13356 | 0.00000 | 789605.1 | 786086.3 | 0.0 | S |
| 92.100 | 0.0000 | 0.0000 | 73.216 | 0.13347 | 0.00000 | 789605.1 | 786090.3 | 0.0 | 5 |
| 92.108 | 0.0000 | 0.0000 | 73.215 | 0.13338 | 0.00000 | 789605.1 | 786094.3 | 0.0 | S |
| 92.117 | 0.0000 | 0.0000 | 73.214 | 0.13329 | 0.00000 | 789605.1 | 786098.3 | 0.0 | S |
| 92.125 | 0.0000 | 0.0000 | 73.213 | 0.13320 | 0.00000 | 789605.1 | 786102.3 | 0.0 | S |
| 92.133 | 0.0000 | 0.0000 | 73.212 | 0.13311 | 0.00000 | 789605.1 | 786106.3 | 0.0 | 5 |
| 92.142 | 0.0000 | 0.0000 | 73.211 | 0.13302 | 0.00000 | 789605.1 | 786110.3 | 0.0 | S |
| 92.150 | 0.0000 | 0.0000 | 73.209 | 0.13293 | 0.00000 | 789605.1 | 786114.2 | 0.0 | S |
| 92.158 | 0.0000 | 0.0000 | 73.208 | 0.13284 | 0.00000 | 789605.1 | 786118.2 | 0.0 | S |
| 92.167 | 0.0000 | 0.0000 | 73.207 | 0.13275 | 0.00000 | 789605.1 | 786122.2 | 0.0 | S |
| 92.175 | 0.0000 | 0.0000 | 73.206 | 0.13266 | 0.00000 | 789605.1 | 786126.2 | 0.0 | S |
| 92.183 | 0.0000 | 0.0000 | 73.205 | 0.13257 | 0.00000 | 789605.1 | 786130.1 | 0.0 | S |
| 92.192 | 0.0000 | 0.0000 | 73.204 | 0.13248 | 0.00000 | 789605.1 | 786134.1 | 0.0 | S |
| 92.200 | 0.0000 | 0.0000 | 73.203 | 0.13239 | 0.00000 | 789605.1 | 786138.1 | 0.0 | S |
| 92.208 | 0.0000 | 0.0000 | 73.202 | 0.13230 | 0.00000 | 789605.1 | 786142.1 | 0.0 | S |
| 92.217 | 0.0000 | 0.0000 | 73.201 | 0.13221 | 0.00000 | 789605.1 | 786146.1 | 0.0 | S |
| 92.225 | 0.0000 | 0.0000 | 73.200 | 0.13212 | 0.00000 | 789605.1 | 786150.0 | 0.0 | S |
| 92.233 | 0.0000 | 0.0000 | 73.198 | 0.13203 | 0.00000 | 789605.1 | 786153.9 | 0.0 | S |
| 92.242 | 0.0000 | 0.0000 | 73.197 | 0.13194 | 0.00000 | 789605.1 | 786157.9 | 0.0 | S |
| 92.250 | 0.0000 | 0.0000 | 73.196 | 0.13186 | 0.00000 | 789605.1 | 786161.9 | 0.0 | S |
| 92.258 | 0.0000 | 0.0000 | 73.195 | 0.13177 | 0.00000 | 789605.1 | 786165.8 | 0.0 | S |
| 92.267 | 0.0000 | 0.0000 | 73.194 | 0.13168 | 0.00000 | 789605.1 | 786169.8 | 0.0 | S |
| 92.275 | 0,0000 | 0.0000 | 73.193 | 0.13159 | 0.00000 | 789605. | 786173.8 | 0.0 | S |
| 92.283 | 0.0000 | 0.0000 | 73.192 | 0.13150 | 0.00000 | 789605.1 | 786177.7 | 0.0 | S |
| 92.292 | 0.0000 | 0.0000 | 73.191 | 0.13141 | 0.00000 | 789605.1 | 786181.6 | 0.0 | S |
| 92.300 | 0.0000 | 0.0000 | 73.190 | 0.13132 | 0.00000 | 789605.1 | 786185.6 | 0.0 | S |
| 92.308 | 0.0000 | 0.0000 | 73.189 | 0.13124 | 0.00000 | 789605.1 | 786189.5 | 0.0 | S |
| 92.317 | 0.0000 | 0.0000 | 73.187 | 0.13115 | 0.00000 | 789605.1 | 786193.4 | 0.0 | S |
| 92.325 | 0.0000 | 0.0000 | 73.186 | 0.13106 | 0.00000 | 789605.1 | 786197.4 | 0.0 | S |
| 92.333 | 0.0000 | 0.0000 | 73.185 | 0.13097 | 0.00000 | 789605.1 | 786201.3 | 0.0 | S |
| 92.342 | 0.0000 | 0.0000 | 73.184 | 0.13088 | 0.00000 | 789605.1 | 786205.3 | 0.0 | S |
| 92.350 | 0.0000 | 0.0000 | 73.183 | 0.13080 | 0.00000 | 789605.1 | 786209.1 | 0.0 | S |
| 92.358 | 0.0000 | 0.0000 | 73.182 | 0.13071 | 0.00000 | 789605.1 | 786213.1 | 0.0 | S |
| 92.367 | 0.0000 | 0.0000 | 73.181 | 0.13062 | 0.00000 | 789605.1 | 786217.0 | 0.0 | S |
| 92.375 | 0.0000 | 0.0000 | 73.180 | 0.13053 | 0.00000 | 789605.1 | 786220.9 | 0.0 | S |
| 92.383 | 0.0000 | 0.0000 | 73.179 | 0.13044 | 0.00000 | 789605.1 | 786224.8 | 0.0 | S |
| 92.392 | 0.0000 | 0.0000 | 73.178 | 0.13036 | 0.00000 | 789605.1 | 786228.8 | 0.0 | S |
| 92.400 | 0.0000 | 0.0000 | 73.177 | 0.13027 | 0.00000 | 789605.1 | 786232.6 | 0.0 | S |
| 92.408 | 0.0000 | 0.0000 | 73.175 | 0.13018 | 0.00000 | 789605.1 | 786236.6 | 0.0 | S |
| 92.417 | 0.0000 | 0.0000 | 73.174 | 0.13009 | 0.00000 | 789605.1 | 786240.4 | 0.0 | S |
| 92.425 | 0.0000 | 0.0000 | 73.173 | 0.13001 | 0.00000 | 789605.1 | 786244.4 | 0.0 | S |
| 92.433 | 0.0000 | 0.0000 | 73.172 | 0.12992 | 0.00000 | 789605.1 | 786248.3 | 0.0 | S |
| 92.442 | 0.0000 | 0.0000 | 73.171 | 0.12983 | 0.00000 | 789605.1 | 786252.2 | 0.0 | S |
| 92.450 | 0.0000 | 0.0000 | 73.170 | 0.12975 | 0.00000 | 789605.1 | 786256.1 | 0.0 | S |
| 92.458 | 0.0000 | 0.0000 | 73.169 | 0.12966 | 0.00000 | 789605.1 | 786259.9 | 0.0 | S |
| 92.467 | 0.0000 | 0.0000 | 73.168 | 0.12957 | 0.00000 | 789605.1 | 786263.8 | 0.0 | S |
| 92.475 | 0.0000 | 0.0000 | 73.167 | 0.12949 | 0.00000 | 789605.1 | 786267.7 | 0.0 | S |
| 92.483 | 0.0000 | 0.0000 | 73.166 | 0.12940 | 0.00000 | 789605.1 | 786271.6 | 0.0 | S |
| 92.492 | 0.0000 | 0.0000 | 73.165 | 0.12931 | 0.00000 | 789605.1 | 786275.5 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (f/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 92.500 | 0.0000 | 0.0000 | 73.163 | 0.12923 | 0.00000 | 789605.1 | 786279.4 | 0.0 | S |
| 92.508 | 0.0000 | 0.0000 | 73.162 | 0.12914 | 0.00000 | 789605.1 | 786283.3 | 0.0 | S |
| 92.517 | 0.0000 | 0.0000 | 73.161 | 0.12905 | 0.00000 | 789605.1 | 786287.1 | 0.0 | S |
| 92.525 | 0.0000 | 0.0000 | 73.160 | 0.12897 | 0.00000 | 789605.1 | 786291.0 | 0.0 | S |
| 92.533 | 0.0000 | 0.0000 | 73.159 | 0.12888 | 0.00000 | 789605.1 | 786294.9 | 0.0 | S |
| 92.542 | 0.0000 | 0.0000 | 73.158 | 0.12879 | 0.00000 | 789605.7 | 786298.7 | 0.0 | S |
| 92.550 | 0.0000 | 0.0000 | 73.157 | 0.12871 | 0.00000 | 789605.1 | 786302.6 | 0.0 | S |
| 92.558 | 0.0000 | 0.0000 | 73.156 | 0.12862 | 0.00000 | 789605.1 | 786306.4 | 0.0 | S |
| 92.567 | 0.0000 | 0.0000 | 73.155 | 0.12853 | 0.00000 | 789605.1 | 786310.3 | 0.0 | S |
| 92.575 | 0.0000 | 0.0000 | 73.154 | 0.12845 | 0.00000 | 789605.1 | 786314.1 | 0.0 | S |
| 92.583 | 0.0000 | 0.0000 | 73.153 | 0.12836 | 0.00000 | 789605.1 | 786318.0 | 0.0 | S |
| 92.592 | 0.0000 | 0.0000 | 73.152 | 0.12828 | 0.00000 | 789605.1 | 786321.9 | 0.0 | S |
| 92.600 | 0.0000 | 0.0000 | 73.150 | 0.12819 | 0.00000 | 789605.1 | 786325.7 | 0.0 | S |
| 92.608 | 0.0000 | 0.0000 | 73.149 | 0.12811 | 0.00000 | 789605.1 | 786329.6 | 0.0 | S |
| 92.617 | 0.0000 | 0.0000 | 73.148 | 0.12802 | 0.00000 | 789605.1 | 786333.4 | 0.0 | S |
| 92.625 | 0.0000 | 0.0000 | 73.147 | 0.12793 | 0.00000 | 789605.1 | 786337.3 | 0.0 | S |
| 92.633 | 0.0000 | 0.0000 | 73.146 | 0.12785 | 0.00000 | 789605.1 | 786341.1 | 0.0 | S |
| 92.642 | 0.0000 | 0.0000 | 73.145 | 0.12776 | 0.00000 | 789605.1 | 786344.9 | 0.0 | S |
| 92.650 | 0.0000 | 0.0000 | 73.144 | 0.12768 | 0.00000 | 789605.1 | 786348.8 | 0.0 | S |
| 92.658 | 0.0000 | 0.0000 | 73.143 | 0.12759 | 0.00000 | 789605.1 | 786352.6 | 0.0 | S |
| 92.667 | 0.0000 | 0.0000 | 73.142 | 0.12751 | 0.00000 | 789605.1 | 786356.4 | 0.0 | S |
| 92.675 | 0.0000 | 0.0000 | 73.141 | 0.12742 | 0.00000 | 789605.1 | 786360.2 | 0.0 | S |
| 92.683 | 0.0000 | 0.0000 | 73.140 | 0.12734 | 0.00000 | 789605.1 | 786364.0 | 0.0 | S |
| 92.692 | 0.0000 | 0.0000 | 73.139 | 0.12725 | 0.00000 | 789605.1 | 786367.8 | 0.0 | S |
| 92.700 | 0.0000 | 0.0000 | 73.137 | 0.12717 | 0.00000 | 789605.1 | 786371.7 | 0.0 | S |
| 92.708 | 0.0000 | 0.0000 | 73.136 | 0.12708 | 0.00000 | 789605.1 | 786375.5 | 0.0 | S |
| 92.717 | 0.0000 | 0.0000 | 73.135 | 0.12700 | 0.00000 | 789605.1 | 786379.3 | 0.0 | S |
| 92.725 | 0.0000 | 0.0000 | 73.134 | 0.12691 | 0.00000 | 789605.1 | 786383.1 | 0.0 | S |
| 92.733 | 0.0000 | 0.0000 | 73.133 | 0.12683 | 0.00000 | 789605.1 | 786386.9 | 0.0 | S |
| 92.742 | 0.0000 | 0.0000 | 73.132 | 0.12674 | 0.00000 | 789605.1 | 786390.7 | 0.0 | S |
| 92.750 | 0.0000 | 0.0000 | 73.131 | 0.12666 | 0.00000 | 789605.1 | 786394.5 | 0.0 | S |
| 92.758 | 0.0000 | 0.0000 | 73.130 | 0.12657 | 0.00000 | 789605.1 | 786398.3 | 0.0 | S |
| 92.767 | 0.0000 | 0.0000 | 73.129 | 0.12649 | 0.00000 | 789605.1 | 786402.1 | 0.0 | S |
| 92.775 | 0.0000 | 0.0000 | 73.128 | 0.12641 | 0.00000 | 789605.1 | 786405.9 | 0.0 | S |
| 92.783 | 0.0000 | 0.0000 | 73.127 | 0.12632 | 0.00000 | 789605.1 | 786409.7 | 0.0 | S |
| 92.792 | 0.0000 | 0.0000 | 73.126 | 0.12624 | 0.00000 | 789605.1 | 786413.5 | 0.0 | S |
| 92.800 | 0.0000 | 0.0000 | 73.125 | 0.12615 | 0.00000 | 789605.1 | 786417.3 | 0.0 | S |
| 92.808 | 0.0000 | 0.0000 | 73.123 | 0.12607 | 0.00000 | 789605.1 | 786421.1 | 0.0 | S |
| 92.817 | 0.0000 | 0.0000 | 73.122 | 0.12598 | 0.00000 | 789605.1 | 786424.8 | 0.0 | S |
| 92.825 | 0.0000 | 0.0000 | 73.121 | 0.12590 | 0.00000 | 789605.1 | 786428.6 | 0.0 | S |
| 92.833 | 0.0000 | 0.0000 | 73.120 | 0.12582 | 0.00000 | 789605.1 | 786432.4 | 0.0 | S |
| 92.842 | 0.0000 | 0.0000 | 73.119 | 0.12573 | 0.00000 | 789605.1 | 786436.1 | 0.0 | S |
| 92.850 | 0.0000 | 0.0000 | 73.118 | 0.12565 | 0.00000 | 789605.1 | 786439.9 | 0.0 | S |
| 92.858 | 0.0000 | 0.0000 | 73.117 | 0.12557 | 0.00000 | 789605.1 | 786443.7 | 0.0 | S |
| 92.867 | 0.0000 | 0.0000 | 73.116 | 0.12548 | 0.00000 | 789605.1 | 786447.4 | 0.0 | S |
| 92.875 | 0.0000 | 0.0000 | 73.115 | 0.12540 | 0.00000 | 789605.1 | 786451.2 | 0.0 | S |
| 92.883 | 0.0000 | 0.0000 | 73.114 | 0.12531 | 0.00000 | 789605.1 | 786455.0 | 0.0 | S |
| 92.892 | 0.0000 | 0.0000 | 73.113 | 0.12523 | 0.00000 | 789605.1 | 786458.8 | 0.0 | S |
| 92.900 | 0.0000 | 0.0000 | 73.112 | 0.12515 | 0.00000 | 789605.1 | 786462.5 | 0.0 | S |
| 92.908 | 0.0000 | 0.0000 | 73.111 | 0.12506 | 0.00000 | 789605.1 | 786466.3 | 0.0 | S |
| 92.917 | 0.0000 | 0.0000 | 73.109 | 0.12498 | 0.00000 | 789605.1 | 786470.0 | 0.0 | S |
| 92.925 | 0.0000 | 0.0000 | 73,108 | 0.12490 | 0.00000 | 789605.1 | 786473.8 | 0.0 | S |
| 92.933 | 0.0000 | 0.0000 | 73.107 | 0.12482 | 0.00000 | 789605.1 | 786477.5 | 0.0 | S |
| 92.942 | 0.0000 | 0.0000 | 73.106 | 0.12473 | 0.00000 | 789605.1 | 786481.3 | 0.0 | S |
| 92.950 | 0.0000 | 0.0000 | 73.105 | 0.12465 | 0.00000 | 789605.1 | 786485.0 | 0.0 | S |
| 92.958 | 0.0000 | 0.0000 | 73.104 | 0.12457 | 0.00000 | 789605.1 | 786488.7 | 0.0 | S |
| 92.967 | 0.0000 | 0.0000 | 73.103 | 0.12448 | 0.00000 | 789605.1 | 786492.4 | 0.0 | S |
| 92.975 | 0.0000 | 0.0000 | 73.102 | 0.12440 | 0.00000 | 789605.1 | 786496.2 | 0.0 | S |
| 92.983 | 0.0000 | 0.0000 | 73.101 | 0.12432 | 0.00000 | 789605.1 | 786499.9 | 0.0 | S |
| 92.992 | 0.0000 | 0.0000 | 73.100 | 0.12424 | 0.00000 | 789605.1 | 786503.6 | 0.0 | S |
| 93.000 | 0.0000 | 0.0000 | 73.099 | 0.12415 | 0.00000 | 789605.1 | 786507.4 | 0.0 | S |
| 93.008 | 0.0000 | 0.0000 | 73.098 | 0.12407 | 0.00000 | 789605.1 | 786511.1 | 0.0 | S |
| 93.017 | 0.0000 | 0.0000 | 73.097 | 0.12399 | 0.00000 | 789605.1 | 786514.8 | 0.0 | S |
| 93.025 | 0.0000 | 0.0000 | 73.096 | 0.12391 | 0.00000 | 789605.1 | 786518.5 | 0.0 | S |
| 93.033 | 0.0000 | 0.0000 | 73.095 | 0.12382 | 0.00000 | 789605.1 | 786522.3 | 0.0 | S |
| 93.042 | 0.0000 | 0.0000 | 73.093 | 0.12374 | 0.00000 | 789605.1 | 786525.9 | 0.0 | S |
| 93.050 | 0.0000 | 0.0000 | 73.092 | 0.12366 | 0.00000 | 789605.1 | 786529.7 | 0.0 | S |
| 93.058 | 0.0000 | 0.0000 | 73.091 | 0.12358 | 0.00000 | 789605.1 | 786533.4 | 0.0 | S |
| 93.067 | 0.0000 | 0.0000 | 73.090 | 0.12349 | 0.00000 | 789605.1 | 786537.1 | 0.0 | S |
| 93.075 | 0.0000 | 0.0000 | 73.089 | 0.12341 | 0.00000 | 789605.1 | 786540.8 | 0.0 | S |
| 93.083 | 0.0000 | 0.0000 | 73.088 | 0.12333 | 0.00000 | 789605.1 | 786544.5 | 0.0 | S |
| 93.092 | 0.0000 | 0.0000 | 73.087 | 0.12325 | 0.00000 | 789605.1 | 786548.2 | 0.0 | S |
| 93.100 | 0.0000 | 0.0000 | 73.086 | 0.12317 | 0.00000 | 789605.1 | 786551.9 | 0.0 | S |
| 93.108 | 0.0000 | 0.0000 | 73.085 | 0.12308 | 0.00000 | 789605.1 | 786555.6 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Outside Recharge (fl/day) | Stage Elevation (ft datum) | infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 93.117 | 0.0000 | 0.0000 | 73.084 | 0.12300 | 0.00000 | 789605.1 | 786559.3 | 0.0 | S |
| 93.125 | 0.0000 | 0.0000 | 73.083 | 0.12292 | 0.00000 | 789605.1 | 786562.9 | 0.0 | S |
| 93.133 | 0.0000 | 0.0000 | 73.082 | 0.12284 | 0.00000 | 789605.1 | 786566.6 | 0.0 | S |
| 93.142 | 0.0000 | 0.0000 | 73.081 | 0.12276 | 0.00000 | 789605.1 | 786570.3 | 0.0 | S |
| 93.150 | 0.0000 | 0.0000 | 73.080 | 0.12268 | 0.00000 | 789605.1 | 786574.0 | 0.0 | S |
| 93.158 | 0.0000 | 0.0000 | 73.079 | 0.12260 | 0.00000 | 789605.1 | 786577.7 | 0.0 | S |
| 93.167 | 0.0000 | 0.0000 | 73.077 | 0.12251 | 0.00000 | 789605.1 | 786581.4 | 0.0 | S |
| 93.175 | 0.0000 | 0.0000 | 73.076 | 0.12243 | 0.00000 | 789605.1 | 786585.1 | 0.0 | S |
| 93.183 | 0.0000 | 0.0000 | 73.075 | 0.12235 | 0.00000 | 789605.1 | 786588.7 | 0.0 | S |
| 93.192 | 0.0000 | 0.0000 | 73.074 | 0.12227 | 0.00000 | 789605.1 | 786592.4 | 0.0 | S |
| 93.200 | 0.0000 | 0.0000 | 73.073 | 0.12219 | 0.00000 | 789605.1 | 786596.1 | 0.0 | S |
| 93.208 | 0.0000 | 0.0000 | 73.072 | 0.12211 | 0.00000 | 789605.1 | 786599.7 | 0.0 | S |
| 93.217 | 0.0000 | 0.0000 | 73.071 | 0.12203 | 0.00000 | 789605.1 | 786603.4 | 0.0 | S |
| 93.225 | 0.0000 | 0.0000 | 73.070 | 0.12195 | 0.00000 | 789605.1 | 786607.0 | 0.0 | S |
| 93.233 | 0.0000 | 0.0000 | 73.069 | 0.12187 | 0.00000 | 789605.1 | 786610.7 | 0.0 | S |
| 93.242 | 0.0000 | 0.0000 | 73.068 | 0.12178 | 0.00000 | 789605.1 | 786614.3 | 0.0 | S |
| 93.250 | 0.0000 | 0.0000 | 73.067 | 0.12170 | 0.00000 | 789605.1 | 786618.0 | 0.0 | S |
| 93.258 | 0.0000 | 0.0000 | 73.066 | 0.12162 | 0.00000 | 789605.1 | 786621.6 | 0.0 | S |
| 93.267 | 0.0000 | 0.0000 | 73.065 | 0.12154 | 0.00000 | 789605.1 | 786625.3 | 0.0 | S |
| 93.275 | 0.0000 | 0.0000 | 73.064 | 0.12146 | 0.00000 | 789605.1 | 786628.9 | 0.0 | S |
| 93.283 | 0.0000 | 0.0000 | 73.063 | 0.12138 | 0.00000 | 789605.1 | 786632.6 | 0.0 | S |
| 93.292 | 0.0000 | 0.0000 | 73.062 | 0.12130 | 0.00000 | 789605.1 | 786636.3 | 0.0 | S |
| 93.300 | 0.0000 | 0.0000 | 73.060 | 0.12122 | 0.00000 | 789605.1 | 786639.9 | 0.0 | S |
| 93.308 | 0.0000 | 0.0000 | 73.059 | 0.12114 | 0.00000 | 789605.1 | 786643.5 | 0.0 | S |
| 93.317 | 0.0000 | 0.0000 | 73.058 | 0.12106 | 0.00000 | 789605.1 | 786647.1 | 0.0 | S |
| 93.325 | 0.0000 | 0.0000 | 73.057 | 0.12098 | 0.00000 | 789605.1 | 786650.8 | 0.0 | S |
| 93.333 | 0.0000 | 0.0000 | 73.056 | 0.12090 | 0.00000 | 789605.1 | 786654.4 | 0.0 | S |
| 93.342 | 0.0000 | 0.0000 | 73.055 | 0.12082 | 0.00000 | 789605.1 | 786658.0 | 0.0 | S |
| 93.350 | 0.0000 | 0.0000 | 73.054 | 0.12074 | 0.00000 | 789605.1 | 786661.6 | 0.0 | S |
| 93.358 | 0.0000 | 0.0000 | 73.053 | 0.12066 | 0.00000 | 789605.1 | 786665.3 | 0.0 | S |
| 93.367 | 0.0000 | 0.0000 | 73.052 | 0.12058 | 0.00000 | 789605.1 | 786668.9 | 0.0 | S |
| 93.375 | 0.0000 | 0.0000 | 73.051 | 0.12050 | 0.00000 | 789605.1 | 786672.5 | 0.0 | S |
| 93.383 | 0.0000 | 0.0000 | 73.050 | 0.12042 | 0.00000 | 789605.1 | 786676.1 | 0.0 | S |
| 93.392 | 0.0000 | 0.0000 | 73.049 | 0.12034 | 0.00000 | 789605.1 | 786679.7 | 0.0 | 5 |
| 93.400 | 0.0000 | 0.0000 | 73.048 | 0.12026 | 0.00000 | 789605.1 | 786683.3 | 0.0 | S |
| 93.408 | 0.0000 | 0.0000 | 73.047 | 0.12018 | 0.00000 | 789605.1 | 786686.9 | 0.0 | S |
| 93.417 | 0.0000 | 0.0000 | 73.046 | 0.12010 | 0.00000 | 789605.1 | 786690.6 | 0.0 | S |
| 93.425 | 0.0000 | 0.0000 | 73.045 | 0.12002 | 0.00000 | 789605.1 | 786694.1 | 0.0 | S |
| 93.433 | 0.0000 | 0.0000 | 73.044 | 0.11994 | 0.00000 | 789605.1 | 786697.8 | 0.0 | S |
| 93.442 | 0.0000 | 0.0000 | 73.042 | 0.11986 | 0.00000 | 789605.1 | 786701.3 | 0.0 | S |
| 93.450 | 0.0000 | 0.0000 | 73.041 | 0.11979 | 0.00000 | 789605.1 | 786704.9 | 0.0 | S |
| 93.458 | 0.0000 | 0.0000 | 73.040 | 0.11971 | 0.00000 | 789605.1 | 786708.5 | 0.0 | S |
| 93.467 | 0.0000 | 0.0000 | 73.039 | 0.11963 | 0.00000 | 789605.1 | 786712.1 | 0.0 | S |
| 93.475 | 0.0000 | 0.0000 | 73.038 | 0.11955 | 0.00000 | 789605.1 | 786715.7 | 0.0 | S |
| 93.483 | 0.0000 | 0.0000 | 73.037 | 0.11947 | 0.00000 | 789605.1 | 786719.3 | 0.0 | S |
| 93.492 | 0.0000 | 0.0000 | 73.036 | 0.11939 | 0.00000 | 789605.1 | 786722.9 | 0.0 | S |
| 93.500 | 0.0000 | 0.0000 | 73.035 | 0.11931 | 0.00000 | 789605.1 | 786726.4 | 0.0 | S |
| 93.508 | 0.0000 | 0.0000 | 73.034 | 0.11923 | 0.00000 | 789605.1 | 786730.0 | 0.0 | S |
| 93.517 | 0.0000 | 0.0000 | 73.033 | 0.11915 | 0.00000 | 789605.1 | 786733.6 | 0.0 | S |
| 93.525 | 0.0000 | 0.0000 | 73.032 | 0.11908 | 0.00000 | 789605.1 | 786737.2 | 0.0 | S |
| 93.533 | 0.0000 | 0.0000 | 73.031 | 0.11900 | 0.00000 | 789605.1 | 786740.8 | 0.0 | S |
| 93.542 | 0.0000 | 0.0000 | 73.030 | 0.11892 | 0.00000 | 789605.1 | 786744.3 | 0.0 | S |
| 93.550 | 0.0000 | 0.0000 | 73.029 | 0.11884 | 0.00000 | 789605.1 | 786747.9 | 0.0 | S |
| 93.558 | 0.0000 | 0.0000 | 73.028 | 0.11876 | 0.00000 | 789605.1 | 786751.4 | 0.0 | S |
| 93.567 | 0.0000 | 0.0000 | 73.027 | 0.11868 | 0.00000 | 789605.1 | 786755.0 | 0.0 | S |
| 93.575 | 0.0000 | 0.0000 | 73.026 | 0.11860 | 0.00000 | 789605.1 | 786758.6 | 0.0 | S |
| 93.583 | 0.0000 | 0.0000 | 73.025 | 0.11853 | 0.00000 | 789605.1 | 786762.1 | 0.0 | S |
| 93.592 | 0.0000 | 0.0000 | 73.024 | 0.11845 | 0.00000 | 789605.1 | 786765.7 | 0.0 | S |
| 93.600 | 0.0000 | 0.0000 | 73.023 | 0.11837 | 0.00000 | 789605.1 | 786769.3 | 0.0 | 5 |
| 93.608 | 0.0000 | 0.0000 | 73.021 | 0.11829 | 0.00000 | 789605.1 | 786772.8 | 0.0 | S |
| 93.617 | 0.0000 | 0.0000 | 73.020 | 0.11821 | 0.00000 | 789605.1 | 786776.3 | 0.0 | S |
| 93.625 | 0.0000 | 0.0000 | 73.019 | 0.11814 | 0.00000 | 789605.1 | 786779.9 | 0.0 | S |
| 93.633 | 0.0000 | 0.0000 | 73.018 | 0.11806 | 0.00000 | 789605.1 | 786783.4 | 0.0 | S |
| 93.642 | 0.0000 | 0.0000 | 73.017 | 0.11798 | 0.00000 | 789605.1 | 786786.9 | 0.0 | S |
| 93.650 | 0.0000 | 0.0000 | 73.016 | 0.11790 | 0.00000 | 789605.1 | 786790.5 | 0.0 | S |
| 93.658 | 0.0000 | 0.0000 | 73.015 | 0.11782 | 0.00000 | 789605.1 | 786794.0 | 0.0 | S |
| 93.667 | 0.0000 | 0.0000 | 73.014 | 0.11775 | 0.00000 | 789605.1 | 786797.6 | 0.0 | S |
| 93.675 | 0.0000 | 0.0000 | 73.013 | 0.11767 | 0.00000 | 789605.1 | 786801.1 | 0.0 | S |
| 93.683 | 0.0000 | 0.0000 | 73.012 | 0.11759 | 0.00000 | 789605.1 | 786804.6 | 0.0 | S |
| 93.692 | 0.0000 | 0.0000 | 73.011 | 0.11751 | 0.00000 | 789605.1 | 786808.1 | 0.0 | S |
| 93.700 | 0.0000 | 0.0000 | 73.010 | 0.11744 | 0.00000 | 789605.1 | 786811.7 | 0.0 | S |
| 93.708 | 0.0000 | 0.0000 | 73.009 | 0.11736 | 0.00000 | 789605.1 | 786815.2 | 0.0 | S |
| 93.717 | 0.0000 | 0.0000 | 73.008 | 0.11728 | 0.00000 | 789605.1 | 786818.7 | 0.0 | S |
| 93.725 | 0.0000 | 0.0000 | 73.007 | 0.11720 | 0.00000 | 789605.1 | 786822.3 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infitration Rate ( $\mathrm{A}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ff}^{3}$ ) | Fiow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 93.733 | 0.0000 | 0.0000 | 73.006 | 0.11713 | 0.00000 | 789605.1 | 786825.8 | 0.0 | S |
| 93.742 | 0.0000 | 0.0000 | 73.005 | 0.11705 | 0.00000 | 789605.1 | 786829.3 | 0.0 | S |
| 93.750 | 0.0000 | 0.0000 | 73.004 | 0.11697 | 0.00000 | 789605.1 | 786832.8 | 0.0 | S |
| 93.758 | 0.0000 | 0.0000 | 73.003 | 0.11689 | 0.00000 | 789605.1 | 786836.3 | 0.0 | S |
| 93.767 | 0.0000 | 0.0000 | 73.002 | 0.11682 | 0.00000 | 789605.1 | 786839.8 | 0.0 | S |
| 93.775 | 0.0000 | 0.0000 | 73.001 | 0.11674 | 0.00000 | 789605.1 | 786843.3 | 0.0 | S |
| 93.783 | 0.0000 | 0.0000 | 72.999 | 0.11666 | 0.00000 | 789605.1 | 786846.8 | 0.0 | S |
| 93.792 | 0.0000 | 0.0000 | 72.998 | 0.11659 | 0.00000 | 789605.1 | 786850.3 | 0.0 | S |
| 93.800 | 0.0000 | 0.0000 | 72.997 | 0.11651 | 0.00000 | 789605.1 | 786853.8 | 0.0 | S |
| 93.808 | 0.0000 | 0.0000 | 72.996 | 0.11644 | 0.00000 | 789605.1 | 786857.3 | 0.0 | S |
| 93.817 | 0.0000 | 0.0000 | 72.995 | 0.11636 | 0.00000 | 789605.1 | 786860.8 | 0.0 | S |
| 93.825 | 0.0000 | 0.0000 | 72.994 | 0.11628 | 0.00000 | 789605.1 | 786864.3 | 0.0 | S |
| 93.833 | 0.0000 | 0.0000 | 72.993 | 0.11621 | 0.00000 | 789605.1 | 786867.8 | 0.0 | S |
| 93.842 | 0.0000 | 0.0000 | 72.992 | 0.11613 | 0.00000 | 789605.1 | 786871.3 | 0.0 | S |
| 93.850 | 0.0000 | 0.0000 | 72.991 | 0.11605 | 0.00000 | 789605.1 | 786874.7 | 0.0 | S |
| 93.858 | 0.0000 | 0.0000 | 72.990 | 0.11598 | 0.00000 | 789605.1 | 786878.2 | 0.0 | S |
| 93.867 | 0.0000 | 0.0000 | 72.989 | 0.11590 | 0.00000 | 789605.1 | 786881.7 | 0.0 | S |
| 93.875 | 0.0000 | 0.0000 | 72.988 | 0.11583 | 0.00000 | 789605.1 | 786885.1 | 0.0 | S |
| 93.883 | 0.0000 | 0.0000 | 72.987 | 0.11575 | 0.00000 | 789605.1 | 786888.6 | 0.0 | S |
| 93.892 | 0.0000 | 0.0000 | 72.986 | 0.11568 | 0.00000 | 789605.1 | 786892.1 | 0.0 | S |
| 93.900 | 0.0000 | 0.0000 | 72.985 | 0.11560 | 0.00000 | 789605.1 | 786895.6 | 0.0 | S |
| 93.908 | 0.0000 | 0.0000 | 72.984 | 0.11553 | 0.00000 | 789605.1 | 786899.1 | 0.0 | S |
| 93.917 | 0.0000 | 0.0000 | 72.983 | 0.11545 | 0.00000 | 789605.1 | 786902.5 | 0.0 | S |
| 93.925 | 0.0000 | 0.0000 | 72.982 | 0.11538 | 0.00000 | 789605.1 | 786905.9 | 0.0 | S |
| 93.933 | 0.0000 | 0.0000 | 72.981 | 0.11530 | 0.00000 | 789605.1 | 786909.4 | 0.0 | S |
| 93.942 | 0.0000 | 0.0000 | 72.980 | 0.11523 | 0.00000 | 789605.1 | 786912.9 | 0.0 | S |
| 93.950 | 0.0000 | 0.0000 | 72.979 | 0.11515 | 0.00000 | 789605.1 | 786916.3 | 0.0 | S |
| 93.958 | 0.0000 | 0.0000 | 72.978 | 0.11508 | 0.00000 | 789605.1 | 786919.8 | 0.0 | S |
| 93.967 | 0.0000 | 0.0000 | 72.977 | 0.11500 | 0.00000 | 789605.1 | 786923.3 | 0.0 | S |
| 93.975 | 0.0000 | 0.0000 | 72.976 | 0.11493 | 0.00000 | 789605.1 | 786926.7 | 0.0 | S |
| 93.983 | 0.0000 | 0.0000 | 72.975 | 0.11485 | 0.00000 | 789605.1 | 786930.1 | 0.0 | S |
| 93.992 | 0.0000 | 0.0000 | 72.973 | 0.11478 | 0.00000 | 789605.1 | 786933.6 | 0.0 | S |
| 94.000 | 0.0000 | 0.0000 | 72.972 | 0.11470 | 0.00000 | 789605.1 | 786937.0 | 0.0 | S |
| 94.008 | 0.0000 | 0.0000 | 72.971 | 0.11463 | 0.00000 | 789605. | 786940.4 | 0.0 | S |
| 94.017 | 0.0000 | 0.0000 | 72.970 | 0.11456 | 0.00000 | 789605.1 | 786943.9 | 0.0 | S |
| 94.025 | 0.0000 | 0.0000 | 72.969 | 0.11448 | 0.00000 | 789605.1 | 786947.3 | 0.0 | S |
| 94.033 | 0.0000 | 0.0000 | 72.968 | 0.11441 | 0.00000 | 789605.1 | 786950.8 | 0.0 | S |
| 94.042 | 0.0000 | 0.0000 | 72.967 | 0.11433 | 0.00000 | 789605.1 | 786954.2 | 0.0 | S |
| 94.050 | 0.0000 | 0.0000 | 72.966 | 0.11426 | 0.00000 | 789605.1 | 786957.6 | 0.0 | S |
| 94.058 | 0.0000 | 0.0000 | 72.965 | 0.11419 | 0.00000 | 789605.1 | 786961.1 | 0.0 | S |
| 94.067 | 0.0000 | 0.0000 | 72.964 | 0.11414 | 0.00000 | 789605.1 | 786964.5 | 0.0 | S |
| 94.075 | 0.0000 | 0.0000 | 72.963 | 0.11404 | 0.00000 | 789605.1 | 786967.9 | 0.0 | S |
| 94.083 | 0.0000 | 0.0000 | 72.962 | 0.11396 | 0.00000 | 789605.1 | 786971.3 | 0.0 | S |
| 94.092 | 0.0000 | 0.0000 | 72.961 | 0.11389 | 0.00000 | 789605.1 | 786974.8 | 0.0 | S |
| 94.100 | 0.0000 | 0.0000 | 72.960 | 0.11382 | 0.00000 | 789605.1 | 786978.1 | 0.0 | S |
| 94.108 | 0.0000 | 0.0000 | 72.959 | 0.11374 | 0.00000 | 789605.1 | 786981.6 | 0.0 | S |
| 94.117 | 0.0000 | 0.0000 | 72.958 | 0.11367 | 0.00000 | 789605.1 | 786985.0 | 0.0 | S |
| 94.125 | 0.0000 | 0.0000 | 72.957 | 0.11360 | 0.00000 | 789605.1 | 786988.4 | 0.0 | S |
| 94.133 | 0.0000 | 0.0000 | 72.956 | 0.11352 | 0.00000 | 789605.1 | 786991.8 | 0.0 | S |
| 94.142 | 0.0000 | 0.0000 | 72.955 | 0.11345 | 0.00000 | 789605.1 | 786995.2 | 0.0 | S |
| 94.150 | 0.0000 | 0.0000 | 72.954 | 0.11338 | 0.00000 | 789605.1 | 786998.6 | 0.0 | S |
| 94.158 | 0.0000 | 0.0000 | 72.953 | 0.11330 | 0.00000 | 789605.1 | 787002.0 | 0.0 | S |
| 94.167 | 0.0000 | 0.0000 | 72.952 | 0.11323 | 0.00000 | 789605.1 | 787005.4 | 0.0 | S |
| 94.175 | 0.0000 | 0.0000 | 72.951 | 0.11316 | 0.00000 | 789605.1 | 787008.8 | 0.0 | S |
| 94.183 | 0.0000 | 0.0000 | 72.950 | 0.11309 | 0.00000 | 789605.1 | 787012.2 | 0.0 | S |
| 94.192 | 0.0000 | 0.0000 | 72.949 | 0.11301 | 0.00000 | 789605.1 | 787015.6 | 0.0 | S |
| 94.200 | 0.0000 | 0.0000 | 72.948 | 0.11294 | 0.00000 | 789605.1 | 787019.0 | 0.0 | S |
| 94.208 | 0.0000 | 0.0000 | 72.947 | 0.11287 | 0.00000 | 789605.1 | 787022.4 | 0.0 | S |
| 94.217 | 0.0000 | 0.0000 | 72.946 | 0.11279 | 0.00000 | 789605.1 | 787025.8 | 0.0 | S |
| 94.225 | 0.0000 | 0.0000 | 72.945 | 0.11272 | 0.00000 | 789605.1 | 787029.1 | 0.0 | S |
| 94.233 | 0.0000 | 0.0000 | 72.944 | 0.11265 | 0.00000 | 789605.1 | 787032.5 | 0.0 | S |
| 94.242 | 0.0000 | 0.0000 | 72.943 | 0.11258 | 0.00000 | 789605.1 | 787035.9 | 0.0 | S |
| 94.250 | 0.0000 | 0.0000 | 72.942 | 0.11250 | 0.00000 | 789605.1 | 787039.3 | 0.0 | S |
| 94.258 | 0.0000 | 0.0000 | 72.940 | 0.11243 | 0.00000 | 789605.1 | 787042.6 | 0.0 | S |
| 94.267 | 0.0000 | 0.0000 | 72.939 | 0.11236 | 0.00000 | 789605.1 | 787046.0 | 0.0 | S |
| 94.275 | 0.0000 | 0.0000 | 72.938 | 0.11229 | 0.00000 | 789605.1 | 787049.4 | 0.0 | S |
| 94.283 | 0.0000 | 0.0000 | 72.937 | 0.11222 | 0.00000 | 789605.1 | 787052.8 | 0.0 | S |
| 94.292 | 0.0000 | 0.0000 | 72.936 | 0.11214 | 0.00000 | 789605.1 | 787056.1 | 0.0 | S |
| 94.300 | 0.0000 | 0.0000 | 72.935 | 0.11207 | 0.00000 | 789605.1 | 787059.5 | 0.0 | S |
| 94.308 | 0.0000 | 0.0000 | 72.934 | 0.11200 | 0.00000 | 789605.1 | 787062.8 | 0.0 | S |
| 94.317 | 0.0000 | 0.0000 | 72.933 | 0.11193 | 0.00000 | 789605.1 | 787066.2 | 0.0 | S |
| 94.325 | 0.0000 | 0.0000 | 72.932 | 0.11186 | 0.00000 | 789605.1 | 787069.6 | 0.0 | S |
| 94.333 | 0.0000 | 0.0000 | 72.931 | 0.11178 | 0.00000 | 789605.1 | 787072.9 | 0.0 | S |
| 94.342 | 0.0000 | 0.0000 | 72.930 | 0.11171 | 0.00000 | 789605.1 | 787076.3 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate (f $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 94.350 | 0.0000 | 0.0000 | 72.929 | 0.11164 | 0.00000 | 789605.1 | 787079.6 | 0.0 | S |
| 94.358 | 0.0000 | 0.0000 | 72.928 | 0.11157 | 0.00000 | 789605.1 | 787082.9 | 0.0 | S |
| 94.367 | 0.0000 | 0.0000 | 72.927 | 0.11150 | 0.00000 | 789605.1 | 787086.3 | 0.0 | S |
| 94.375 | 0.0000 | 0.0000 | 72.926 | 0.11143 | 0.00000 | 789605.1 | 787089.6 | 0.0 | S |
| 94.383 | 0.0000 | 0.0000 | 72.925 | 0.11135 | 0.00000 | 789605.1 | 787093.0 | 0.0 | S |
| 94.392 | 0.0000 | 0.0000 | 72.924 | 0.11128 | 0.00000 | 789605.1 | 787096.3 | 0.0 | S |
| 94.400 | 0.0000 | 0.0000 | 72.923 | 0.11121 | 0.00000 | 789605.1 | 787099.7 | 0.0 | S |
| 94.408 | 0.0000 | 0.0000 | 72.922 | 0.11114 | 0.00000 | 789605.1 | 787103.0 | 0.0 | S |
| 94.417 | 0.0000 | 0.0000 | 72.921 | 0.11107 | 0.00000 | 789605.1 | 787106.3 | 0.0 | S |
| 94.425 | 0.0000 | 0.0000 | 72.920 | 0.11100 | 0.00000 | 789605.1 | 787109.7 | 0.0 | S |
| 94.433 | 0.0000 | 0.0000 | 72.919 | 0.11093 | 0.00000 | 789605.1 | 787113.0 | 0.0 | S |
| 94.442 | 0.0000 | 0.0000 | 72.918 | 0.11086 | 0.00000 | 789605.1 | 787116.3 | 0.0 | S |
| 94.450 | 0.0000 | 0.0000 | 72.917 | 0.11078 | 0.00000 | 789605.1 | 787119.6 | 0.0 | S |
| 94.458 | 0.0000 | 0.0000 | 72.916 | 0.11071 | 0.00000 | 789605.1 | 787122.9 | 0.0 | S |
| 94.467 | 0.0000 | 0.0000 | 72.915 | 0.11064 | 0.00000 | 789605.1 | 787126.3 | 0.0 | S |
| 94.475 | 0.0000 | 0.0000 | 72.914 | 0.11057 | 0.00000 | 789605.1 | 787129.6 | 0.0 | S |
| 94.483 | 0.0000 | 0.0000 | 72.913 | 0.11050 | 0.00000 | 789605.1 | 787132.9 | 0.0 | S |
| 94.492 | 0.0000 | 0.0000 | 72.912 | 0.11043 | 0.00000 | 789605.1 | 787136.3 | 0.0 | S |
| 94.500 | 0.0000 | 0.0000 | 72.911 | 0.11036 | 0.00000 | 789605.1 | 787139.6 | 0.0 | S |
| 94.508 | 0.0000 | 0.0000 | 72.910 | 0.11029 | 0.00000 | 789605.1 | 787142.9 | 0.0 | S |
| 94.517 | 0.0000 | 0.0000 | 72.909 | 0.11022 | 0.00000 | 789605.1 | 787146.2 | 0.0 | S |
| 94.525 | 0.0000 | 0.0000 | 72.908 | 0.11015 | 0.00000 | 789605.1 | 787149.4 | 0.0 | S |
| 94.533 | 0.0000 | 0.0000 | 72.907 | 0.11008 | 0.00000 | 789605.1 | 787152.8 | 0.0 | S |
| 94.542 | 0.0000 | 0.0000 | 72.906 | 0.11001 | 0.00000 | 789605.1 | 787156.1 | 0.0 | S |
| 94.550 | 0.0000 | 0.0000 | 72.905 | 0.10994 | 0.00000 | 789605.1 | 787159.4 | 0.0 | S |
| 94.558 | 0.0000 | 0.0000 | 72.904 | 0.10987 | 0.00000 | 789605.1 | 787162.7 | 0.0 | S |
| 94.567 | 0.0000 | 0.0000 | 72.903 | 0.10980 | 0.00000 | 789605.1 | 787165.9 | 0.0 | S |
| 94.575 | 0.0000 | 0.0000 | 72.902 | 0.10973 | 0.00000 | 789605.1 | 787169.3 | 0.0 | S |
| 94.583 | 0.0000 | 0.0000 | 72.901 | 0.10966 | 0.00000 | 789605.1 | 787172.6 | 0.0 | S |
| 94.592 | 0.0000 | 0.0000 | 72.900 | 0.10959 | 0.00000 | 789605.1 | 787175.8 | 0.0 | S |
| 94,600 | 0.0000 | 0.0000 | 72.899 | 0.10952 | 0.00000 | 789605.1 | 787179.1 | 0.0 | S |
| 94.608 | 0.0000 | 0.0000 | 72.898 | 0.10945 | 0.00000 | 789605.1 | 787182.4 | 0.0 | S |
| 94.6亿7 | 0.0000 | 0.0000 | 72.897 | 0.10938 | 0.00000 | 789605.1 | 787185.7 | 0.0 | S |
| 94.625 | 0.0000 | 0.0000 | 72.896 | 0.10931 | 0.00000 | 789605.1 | 787189.0 | 0.0 | S |
| 94.633 | 0.0000 | 0.0000 | 72.895 | 0.10924 | 0.00000 | 789605.1 | 787192.3 | 0.0 | S |
| 94.642 | 0.0000 | 0.0000 | 72.894 | 0.10917 | 0.00000 | 789605.1 | 787195.5 | 0.0 | S |
| 94.650 | 0.0000 | 0.0000 | 72.893 | 0.10910 | 0.00000 | 789605.1 | 787198.8 | 0.0 | S |
| 94.658 | 0.0000 | 0.0000 | 72.891 | 0.10903 | 0.00000 | 789605.1 | 787202.1 | 0.0 | S |
| 94.667 | 0.0000 | 0.0000 | 72.890 | 0.10896 | 0.00000 | 789605.1 | 787205.3 | 0.0 | S |
| 94.675 | 0.0000 | 0.0000 | 72.889 | 0.10889 | 0.00000 | 789605.1 | 787208.6 | 0.0 | S |
| 94.683 | 0.0000 | 0.0000 | 72.888 | 0.10882 | 0.00000 | 789605.1 | 787211.9 | 0.0 | S |
| 94.692 | 0.0000 | 0.0000 | 72.887 | 0.10875 | 0.00000 | 789605.1 | 787215.1 | 0.0 | S |
| 94.700 | 0.0000 | 0.0000 | 72.886 | 0.10868 | 0.00000 | 789605.1 | 787218.4 | 0.0 | S |
| 94.708 | 0.0000 | 0.0000 | 72.885 | 0.10861 | 0.00000 | 789605.1 | 787221.7 | 0.0 | S |
| 94.717 | 0.0000 | 0.0000 | 72.884 | 0.10854 | 0.00000 | 789605.1 | 787224.9 | 0.0 | S |
| 94.725 | 0.0000 | 0.0000 | 72.883 | 0.10847 | 0.00000 | 789605.1 | 787228.2 | 0.0 | S |
| 94.733 | 0.0000 | 0.0000 | 72.882 | 0.10840 | 0.00000 | 789605.1 | 787231.4 | 0.0 | S |
| 94.742 | 0.0000 | 0.0000 | 72.881 | 0.10833 | 0.00000 | 789605.1 | 787234.7 | 0.0 | S |
| 94.750 | 0.0000 | 0.0000 | 72.880 | 0.10827 | 0.00000 | 789605.1 | 787237.9 | 0.0 | S |
| 94.758 | 0.0000 | 0.0000 | 72.879 | 0.10820 | 0.00000 | 789605.1 | 787241.2 | 0.0 | S |
| 94.767 | 0.0000 | 0.0000 | 72.878 | 0.10813 | 0.00000 | 789605.1 | 787244.4 | 0.0 | S |
| 94.775 | 0.0000 | 0.0000 | 72.877 | 0.10806 | 0.00000 | 789605.1 | 787247.7 | 0.0 | S |
| 94.783 | 0.0000 | 0.0000 | 72.876 | 0.10799 | 0.00000 | 789605.1 | 787250.9 | 0.0 | S |
| 94.792 | 0.0000 | 0.0000 | 72.875 | 0.10792 | 0.00000 | 789605.1 | 787254.1 | 0.0 | S |
| 94.800 | 0.0000 | 0.0000 | 72.874 | 0.10785 | 0.00000 | 789605.1 | 787257.4 | 0.0 | S |
| 94.808 | 0.0000 | 0.0000 | 72.873 | 0.10778 | 0.00000 | 789605.1 | 787260.6 | 0.0 | S |
| 94.817 | 0.0000 | 0.0000 | 72.872 | 0.10771 | 0.00000 | 789605.1 | 787263.8 | 0.0 | S |
| 94.825 | 0.0000 | 0.0000 | 72.871 | 0.10765 | 0.00000 | 789605.1 | 787267.1 | 0.0 | S |
| 94.833 | 0.0000 | 0.0000 | 72.870 | 0.10758 | 0.00000 | 789605.1 | 787270.3 | 0.0 | S |
| 94.842 | 0.0000 | 0.0000 | 72.869 | 0.10751 | 0.00000 | 789605.1 | 787273.5 | 0.0 | S |
| 94.850 | 0.0000 | 0.0000 | 72.868 | 0.10744 | 0.00000 | 789605.1 | 787276.8 | 0.0 | S |
| 94.858 | 0.0000 | 0.0000 | 72.867 | 0.10737 | 0.00000 | 789605.1 | 787280.0 | 0.0 | S |
| 94.867 | 0.0000 | 0.0000 | 72.866 | 0.10730 | 0.00000 | 789605.1 | 787283.2 | 0.0 | S |
| 94.875 | 0.0000 | 0.0000 | 72.865 | 0.10724 | 0.00000 | 789605.1 | 787286.4 | 0.0 | S |
| 94.883 | 0.0000 | 0.0000 | 72.864 | 0.10717 | 0.00000 | 789605.1 | 787289.6 | 0.0 | S |
| 94.892 | 0.0000 | 0.0000 | 72.863 | 0.10710 | 0.00000 | 789605.1 | 787292.8 | 0.0 | S |
| 94.900 | 0.0000 | 0.0000 | 72.862 | 0.10703 | 0.00000 | 789605.1 | 787296.1 | 0.0 | S |
| 94.908 | 0.0000 | 0.0000 | 72.861 | 0.10696 | 0.00000 | 789605.1 | 787299.3 | 0.0 | S |
| 94.917 | 0.0000 | 0.0000 | 72.860 | 0.10690 | 0.00000 | 789605.1 | 787302.5 | 0.0 | S |
| 94.925 | 0.0000 | 0.0000 | 72.859 | 0.10683 | 0.00000 | 789605.1 | 787305.7 | 0.0 | S |
| 94.933 | 0.0000 | 0.0000 | 72.858 | 0.10676 | 0.00000 | 789605.1 | 787308.9 | 0.0 | S |
| 94.942 | 0.0000 | 0.0000 | 72.857 | 0.10669 | 0.00000 | 789605.1 | 787312.1 | 0.0 | S |
| 94.950 | 0.0000 | 0.0000 | 72.856 | 0.10662 | 0.00000 | 789605.1 | 787315.3 | 0.0 | S |
| 94.958 | 0.0000 | 0.0000 | 72.855 | 0.10656 | 0.00000 | 789605.1 | 787318.5 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 5100 yr / 24 hr

| Elapsed Time (hours) | Infiow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (fIday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3 / \mathrm{s}} \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 94.967 | 0.0000 | 0.0000 | 72.854 | 0.10649 | 0.00000 | 789605.1 | 787321.7 | 0.0 | S |
| 94.975 | 0.0000 | 0.0000 | 72.853 | 0.10642 | 0.00000 | 789605.1 | 787324.9 | 0.0 | S |
| 94.983 | 0.0000 | 0.0000 | 72.852 | 0.10635 | 0.00000 | 789605.1 | 787328.1 | 0.0 | S |
| 94.992 | 0.0000 | 0.0000 | 72.851 | 0.10629 | 0.00000 | 789605.1 | 787331.3 | 0.0 | S |
| 95.000 | 0.0000 | 0.0000 | 72.850 | 0.10622 | 0.00000 | 789605.1 | 787334.4 | 0.0 | S |
| 95.008 | 0.0000 | 0.0000 | 72.849 | 0.10615 | 0.00000 | 789605.1 | 787337.6 | 0.0 | S |
| 95.017 | 0.0000 | 0.0000 | 72.848 | 0.10608 | 0.00000 | 789605.1 | 787340.8 | 0.0 | S |
| 95.025 | 0.0000 | 0.0000 | 72.847 | 0.10602 | 0.00000 | 789605.1 | 787344.0 | 0.0 | S |
| 95.033 | 0.0000 | 0.0000 | 72.846 | 0.10595 | 0.00000 | 789605.1 | 787347.2 | 0.0 | S |
| 95.042 | 0.0000 | 0.0000 | 72.845 | 0.10588 | 0.00000 | 789605.1 | 787350.3 | 0.0 | S |
| 95.050 | 0.0000 | 0.0000 | 72.844 | 0.10581 | 0.00000 | 789605.1 | 787353.5 | 0.0 | S |
| 95.058 | 0.0000 | 0.0000 | 72.843 | 0.10575 | 0.00000 | 789605.1 | 787356.7 | 0.0 | S |
| 95.067 | 0.0000 | 0.0000 | 72.842 | 0.10568 | 0.00000 | 789605.1 | 787359.9 | 0.0 | S |
| 95.075 | 0.0000 | 0.0000 | 72.841 | 0.10561 | 0.00000 | 789605.1 | 787363.1 | 0.0 | S |
| 95.083 | 0.0000 | 0.0000 | 72.840 | 0.10555 | 0.00000 | 789605.1 | 787366.2 | 0.0 | S |
| 95.092 | 0.0000 | 0.0000 | 72.839 | 0.10548 | 0.00000 | 789605.1 | 787369.4 | 0.0 | S |
| 95.100 | 0.0000 | 0.0000 | 72.838 | 0.10541 | 0.00000 | 789605.1 | 787372.5 | 0.0 | S |
| 95.108 | 0.0000 | 0.0000 | 72.837 | 0.10535 | 0.00000 | 789605.1 | 787375.7 | 0.0 | S |
| 95.117 | 0.0000 | 0.0000 | 72.836 | 0.10528 | 0.00000 | 789605.1 | 787378.9 | 0.0 | S |
| 95.125 | 0.0000 | 0.0000 | 72.835 | 0.10521 | 0.00000 | 789605.1 | 787382.0 | 0.0 | S |
| 95.133 | 0.0000 | 0.0000 | 72.834 | 0.10514 | 0.00000 | 789605.1 | 787385.2 | 0.0 | S |
| 95.142 | 0.0000 | 0.0000 | 72.833 | 0.10508 | 0.00000 | 789605.1 | 787388.3 | 0.0 | S |
| 95.150 | 0.0000 | 0.0000 | 72.832 | 0.10501 | 0.00000 | 789605.1 | 787391.4 | 0.0 | S |
| 95.158 | 0.0000 | 0.0000 | 72.831 | 0.10495 | 0.00000 | 789605.1 | 787394.6 | 0.0 | S |
| 95.167 | 0.0000 | 0.0000 | 72.830 | 0.10488 | 0.00000 | 789605.1 | 787397.8 | 0.0 | S |
| 95.175 | 0.0000 | 0.0000 | 72.829 | 0.10481 | 0.00000 | 789605.1 | 787400.9 | 0.0 | S |
| 95.183 | 0.0000 | 0.0000 | 72.828 | 0.10475 | 0.00000 | 789605.1 | 787404.1 | 0.0 | S |
| 95.192 | 0.0000 | 0.0000 | 72.827 | 0.10468 | 0.00000 | 789605.1 | 787407.2 | 0.0 | S |
| 95.200 | 0.0000 | 0.0000 | 72.826 | 0.10461 | 0.00000 | 789605.1 | 787410.3 | 0.0 | S |
| 95.208 | 0.0000 | 0.0000 | 72.825 | 0.10455 | 0.00000 | 789605.1 | 787413.5 | 0.0 | S |
| 95.217 | 0.0000 | 0.0000 | 72.824 | 0.10448 | 0.00000 | 789605.1 | 787416.6 | 0.0 | S |
| 95.225 | 0.0000 | 0.0000 | 72.823 | 0.10441 | 0.00000 | 789605.1 | 787419.8 | 0.0 | S |
| 95.233 | 0.0000 | 0.0000 | 72.822 | 0.10435 | 0.00000 | 789605.1 | 787422.9 | 0.0 | S |
| 95.242 | 0.0000 | 0.0000 | 72.821 | 0.10428 | 0.00000 | 789605.1 | 787426.0 | 0.0 | S |
| 95.250 | 0.0000 | 0.0000 | 72.820 | 0.10422 | 0.00000 | 789605.1 | 787429.1 | 0.0 | S |
| 95.258 | 0.0000 | 0.0000 | 72.819 | 0.10415 | 0.00000 | 789605.1 | 787432.3 | 0.0 | S |
| 95.267 | 0.0000 | 0.0000 | 72.818 | 0.10408 | 0.00000 | 789605.1 | 787435.4 | 0.0 | S |
| 95.275 | 0.0000 | 0.0000 | 72.817 | 0.10402 | 0.00000 | 789605.1 | 787438.5 | 0.0 | S |
| 95.283 | 0.0000 | 0.0000 | 72.816 | 0.10395 | 0.00000 | 789605.1 | 787441.6 | 0.0 | S |
| 95.292 | 0.0000 | 0.0000 | 72.815 | 0.10389 | 0.00000 | 789605.1 | 787444.8 | 0.0 | S |
| 95.300 | 0.0000 | 0.0000 | 72.814 | 0.10382 | 0.00000 | 789605.1 | 787447.9 | 0.0 | S |
| 95.308 | 0.0000 | 0.0000 | 72.813 | 0.10376 | 0.00000 | 789605.1 | 787450.9 | 0.0 | S |
| 95.317 | 0.0000 | 0.0000 | 72.812 | 0.10369 | 0.00000 | 789605.1 | 787454.1 | 0.0 | S |
| 95.325 | 0.0000 | 0.0000 | 72.811 | 0.10362 | 0.00000 | 789605.1 | 787457.2 | 0.0 | S |
| 95.333 | 0.0000 | 0.0000 | 72.810 | 0.10356 | 0.00000 | 789605.1 | 787460.3 | 0.0 | S |
| 95.342 | 0.0000 | 0.0000 | 72.809 | 0.10349 | 0.00000 | 789605.1 | 787463.4 | 0.0 | S |
| 95.350 | 0.0000 | 0.0000 | 72.808 | 0.10343 | 0.00000 | 789605.1 | 787466.5 | 0.0 | S |
| 95.358 | 0.0000 | 0.0000 | 72.807 | 0.10336 | 0.00000 | 789605.1 | 787469.6 | 0.0 | S |
| 95.367 | 0.0000 | 0.0000 | 72.806 | 0.10330 | 0.00000 | 789605.1 | 787472.7 | 0.0 | S |
| 95.375 | 0.0000 | 0.0000 | 72.805 | 0.10323 | 0.00000 | 789605.1 | 787475.8 | 0.0 | S |
| 95.383 | 0.0000 | 0.0000 | 72.804 | 0.10317 | 0.00000 | 789605.1 | 787478.9 | 0.0 | S |
| 95.392 | 0.0000 | 0.0000 | 72.803 | 0.10310 | 0.00000 | 789605.1 | 787482.0 | 0.0 | S |
| 95.400 | 0.0000 | 0.0000 | 72.802 | 0.10304 | 0.00000 | 789605.1 | 787485.1 | 0.0 | S |
| 95.408 | 0.0000 | 0.0000 | 72.801 | 0.10297 | 0.00000 | 789605.1 | 787488.2 | 0.0 | S |
| 95.417 | 0.0000 | 0.0000 | 72.800 | 0.10291 | 0.00000 | 789605.1 | 787491.3 | 0.0 | S |
| 95.425 | 0.0000 | 0.0000 | 72.799 | 0.10284 | 0.00000 | 789605.1 | 787494.4 | 0.0 | S |
| 95.433 | 0.0000 | 0.0000 | 72.798 | 0.10278 | 0.00000 | 789605.1 | 787497.4 | 0.0 | S |
| 95.442 | 0.0000 | 0.0000 | 72.797 | 0.10271 | 0.00000 | 789605.1 | 787500.5 | 0.0 | S |
| 95.450 | 0.0000 | 0.0000 | 72.796 | 0.10265 | 0.00000 | 789605.1 | 787503.6 | 0.0 | S |
| 95.458 | 0.0000 | 0.0000 | 72.795 | 0.10258 | 0.00000 | 789605.1 | 787506.7 | 0.0 | S |
| 95.467 | 0.0000 | 0.0000 | 72.794 | 0.10252 | 0.00000 | 789605.1 | 787509.8 | 0.0 | S |
| 95.475 | 0.0000 | 0.0000 | 72.793 | 0.10245 | 0.00000 | 789605.1 | 787512.8 | 0.0 | S |
| 95.483 | 0.0000 | 0.0000 | 72.792 | 0.10239 | 0.00000 | 789605.1 | 787515.9 | 0.0 | S |
| 95.492 | 0.0000 | 0.0000 | 72.791 | 0.10232 | 0.00000 | 789605.1 | 787519.0 | 0.0 | S |
| 95.500 | 0.0000 | 0.0000 | 72.790 | 0.10226 | 0.00000 | 789605.1 | 787522.1 | 0.0 | S |
| 95.508 | 0.0000 | 0.0000 | 72.789 | 0.10219 | 0.00000 | 789605.1 | 787525.1 | 0.0 | S |
| 95.517 | 0.0000 | 0.0000 | 72.788 | 0.10213 | 0.00000 | 789605.1 | 787528.2 | 0.0 | S |
| 95.525 | 0.0000 | 0.0000 | 72.787 | 0.10206 | 0.00000 | 789605.1 | 787531.3 | 0.0 | S |
| 95.533 | 0.0000 | 0.0000 | 72.786 | 0.10200 | 0.00000 | 789605.1 | 787534.3 | 0.0 | S |
| 95.542 | 0.0000 | 0.0000 | 72.785 | 0.10193 | 0.00000 | 789605.1 | 787537.4 | 0.0 | S |
| 95.550 | 0.0000 | 0.0000 | 72.785 | 0.10187 | 0.00000 | 789605.1 | 787540.4 | 0.0 | S |
| 95.558 | 0.0000 | 0.0000 | 72.784 | 0.10181 | 0.00000 | 789605.1 | 787543.4 | 0.0 | S |
| 95.567 | 0.0000 | 0.0000 | 72.783 | 0.10174 | 0.00000 | 789605.1 | 787546.5 | 0.0 | S |
| 95.575 | 0.0000 | 0.0000 | 72.782 | 0.10168 | 0.00000 | 789605.1 | 787549.6 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.

## Detailed Results (cont,d.) :: Scenario 1 :: Pond 5100 yr/24 hr

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{Fl}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate $\left(\mathrm{f}^{3} / \mathrm{s}\right)$ | Overtiow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume (ft ${ }^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 95.583 | 0.0000 | 0.0000 | 72.781 | 0.10161 | 0.00000 | 789605.1 | 787552.6 | 0.0 | S |
| 95.592 | 0.0000 | 0.0000 | 72.780 | 0.10155 | 0.00000 | 789605.1 | 787555.7 | 0.0 | S |
| 95.600 | 0.0000 | 0.0000 | 72.779 | 0.10149 | 0.00000 | 789605.1 | 787558.7 | 0.0 | S |
| 95.608 | 0.0000 | 0.0000 | 72.778 | 0.10142 | 0.00000 | 789605.1 | 787561.8 | 0.0 | S |
| 95.617 | 0.0000 | 0.0000 | 72.777 | 0.10136 | 0.00000 | 789605.1 | 787564.8 | 0.0 | S |
| 95.625 | 0.0000 | 0.0000 | 72.776 | 0.10129 | 0.00000 | 789605.1 | 787567.8 | 0.0 | S |
| 95.633 | 0.0000 | 0.0000 | 72.775 | 0.10123 | 0.00000 | 789605.1 | 787570.9 | 0.0 | S |
| 95.642 | 0.0000 | 0.0000 | 72.774 | 0.10117 | 0.00000 | 789605.1 | 787573.9 | 0.0 | S |
| 95.650 | 0.0000 | 0.0000 | 72.773 | 0.10110 | 0.00000 | 789605.1 | 787576.9 | 0.0 | S |
| 95.658 | 0.0000 | 0.0000 | 72.772 | 0.10104 | 0.00000 | 789605.1 | 787580.0 | 0.0 | S |
| 95.667 | 0.0000 | 0.0000 | 72.771 | 0.10097 | 0.00000 | 789605.1 | 787583.0 | 0.0 | S |
| 95.675 | 0.0000 | 0.0000 | 72.770 | 0.10091 | 0.00000 | 789605.1 | 787586.1 | 0.0 | S |
| 95.683 | 0.0000 | 0.0000 | 72.769 | 0.10085 | 0.00000 | 789605.1 | 787589.1 | 0.0 | S |
| 95.692 | 0.0000 | 0.0000 | 72.768 | 0.10078 | 0.00000 | 789605.1 | 787592.1 | 0.0 | S |
| 95.700 | 0.0000 | 0.0000 | 72.767 | 0.10072 | 0.00000 | 789605.1 | 787595.1 | 0.0 | S |
| 95.708 | 0.0000 | 0.0000 | 72.766 | 0.10066 | 0.00000 | 789605.1 | 787598.1 | 0.0 | S |
| 95.717 | 0.0000 | 0.0000 | 72.765 | 0.10059 | 0.00000 | 789605.1 | 787601.1 | 0.0 | S |
| 95.725 | 0.0000 | 0.0000 | 72.764 | 0.10053 | 0.00000 | 789605.1 | 787604.2 | 0.0 | S |
| 95.733 | 0.0000 | 0.0000 | 72.763 | 0.10047 | 0.00000 | 789605.1 | 787607.2 | 0.0 | S |
| 95.742 | 0.0000 | 0.0000 | 72.762 | 0.10040 | 0.00000 | 789605.1 | 787610.2 | 0.0 | S |
| 95.750 | 0.0000 | 0.0000 | 72.761 | 0.10034 | 0.00000 | 789605.1 | 787613.2 | 0.0 | S |
| 95.758 | 0.0000 | 0.0000 | 72.760 | 0.10028 | 0.00000 | 789605.1 | 787616.2 | 0.0 | S |
| 95.767 | 0.0000 | 0.0000 | 72.759 | 0.10021 | 0.00000 | 789605.1 | 787619.3 | 0.0 | S |
| 95.775 | 0.0000 | 0.0000 | 72.758 | 0.10015 | 0.00000 | 789605.1 | 787622.3 | 0.0 | S |
| 95.783 | 0.0000 | 0.0000 | 72.757 | 0.10009 | 0.00000 | 789605.1 | 787625.3 | 0.0 | S |
| 95.792 | 0.0000 | 0.0000 | 72.756 | 0.10002 | 0.00000 | 789605.1 | 787628.3 | 0.0 | S |
| 95.800 | 0.0000 | 0.0000 | 72.755 | 0.09996 | 0.00000 | 789605.1 | 787631.3 | 0.0 | S |
| 95.808 | 0.0000 | 0.0000 | 72.754 | 0.09990 | 0.00000 | 789605.1 | 787634.3 | 0.0 | S |
| 95.817 | 0.0000 | 0.0000 | 72.753 | 0.09983 | 0.00000 | 789605.1 | 787637.3 | 0.0 | S |
| 95.825 | 0.0000 | 0.0000 | 72.752 | 0.09977 | 0.00000 | 789605.1 | 787640.2 | 0.0 | S |
| 95.833 | 0.0000 | 0.0000 | 72.751 | 0.09971 | 0.00000 | 789605.1 | 787643.2 | 0.0 | S |
| 95.842 | 0.0000 | 0.0000 | 72.750 | 0.09965 | 0.00000 | 789605.1 | 787646.2 | 0.0 | S |
| 95.850 | 0.0000 | 0.0000 | 72.749 | 0.09958 | 0.00000 | 789605.1 | 787649.2 | 0.0 | S |
| 95.858 | 0.0000 | 0.0000 | 72.748 | 0.09952 | 0.00000 | 789605.1 | 787652.2 | 0.0 | S |
| 95.867 | 0.0000 | 0.0000 | 72.747 | 0.09946 | 0.00000 | 789605.1 | 787655.2 | 0.0 | S |
| 95.875 | 0.0000 | 0.0000 | 72.746 | 0.09940 | 0.00000 | 789605.1 | 787658.1 | 0.0 | S |
| 95.883 | 0.0000 | 0.0000 | 72.745 | 0.09933 | 0.00000 | 789605.1 | 787661.1 | 0.0 | S |
| 95.892 | 0.0000 | 0.0000 | 72.744 | 0.09927 | 0.00000 | 789605.1 | 787664.1 | 0.0 | S |
| 95.900 | 0.0000 | 0.0000 | 72.743 | 0.09921 | 0.00000 | 789605.1 | 787667.1 | 0.0 | S |
| 95.908 | 0.0000 | 0.0000 | 72.742 | 0.09915 | 0.00000 | 789605.1 | 787670.1 | 0.0 | S |
| 95.917 | 0.0000 | 0.0000 | 72.741 | 0.09908 | 0.00000 | 789605.1 | 787673.0 | 0.0 | S |
| 95.925 | 0.0000 | 0.0000 | 72.740 | 0.09902 | 0.00000 | 789605.1 | 787676.0 | 0.0 | S |
| 95.933 | 0.0000 | 0.0000 | 72.739 | 0.09896 | 0.00000 | 789605.1 | 787679.0 | 0.0 | S |
| 95.942 | 0.0000 | 0.0000 | 72.738 | 0.09890 | 0.00000 | 789605.1 | 787681.9 | 0.0 | S |
| 95.950 | 0.0000 | 0.0000 | 72.737 | 0.09883 | 0.00000 | 789605.1 | 787684.9 | 0.0 | S |
| 95.958 | 0.0000 | 0.0000 | 72.736 | 0.09877 | 0.00000 | 789605.1 | 787687.9 | 0.0 | S |
| 95.967 | 0.0000 | 0.0000 | 72.736 | 0.09871 | 0.00000 | 789605.1 | 787690.8 | 0.0 | S |
| 95.975 | 0.0000 | 0.0000 | 72.735 | 0.09865 | 0.00000 | 789605.1 | 787693.8 | 0.0 | S |
| 95.983 | 0.0000 | 0.0000 | 72.734 | 0.09858 | 0.00000 | 789605.1 | 787696.8 | 0.0 | S |
| 95.992 | 0.0000 | 0.0000 | 72.733 | 0.09852 | 0.00000 | 789605.1 | 787699.7 | 0.0 | S |
| 96.000 | 0.0000 | 0.0000 | 72.732 | 0.09846 | 0.00000 | 789605.1 | 787702.7 | 0.0 | S |
| 96.008 | 0.0000 | 0.0000 | 72.731 | 0.09840 | 0.00000 | 789605.1 | 787705.6 | 0.0 | S |
| 96.017 | 0.0000 | 0.0000 | 72.730 | 0.09834 | 0.00000 | 789605.1 | 787708.6 | 0.0 | S |
| 96.025 | 0.0000 | 0.0000 | 72.729 | 0.09828 | 0.00000 | 789605.1 | 787711.5 | 0.0 | S |
| 96.033 | 0.0000 | 0.0000 | 72.728 | 0.09821 | 0.00000 | 789605.1 | 787714.4 | 0.0 | S |
| 96.042 | 0.0000 | 0.0000 | 72.727 | 0.09815 | 0.00000 | 789605.1 | 787717.4 | 0.0 | S |
| 96.050 | 0.0000 | 0.0000 | 72.726 | 0.09809 | 0.00000 | 789605.1 | 787720.4 | 0.0 | S |
| 96.058 | 0.0000 | 0.0000 | 72.725 | 0.09803 | 0.00000 | 789605.1 | 787723.3 | 0.0 | S |
| 96.067 | 0.0000 | 0.0000 | 72.724 | 0.09797 | 0.00000 | 789605.1 | 787726.3 | 0.0 | S |
| 96.075 | 0.0000 | 0.0000 | 72.723 | 0.09790 | 0.00000 | 789605.1 | 787729.2 | 0.0 | S |
| 96.083 | 0.0000 | 0.0000 | 72.722 | 0.09784 | 0.00000 | 789605.1 | 787732.1 | 0.0 | S |
| 96.092 | 0.0000 | 0.0000 | 72.721 | 0.09778 | 0.00000 | 789605.1 | 787735.1 | 0.0 | S |
| 96.100 | 0.0000 | 0.0000 | 72.720 | 0.09772 | 0.00000 | 789605.1 | 787738.0 | 0.0 | S |
| 96.108 | 0.0000 | 0.0000 | 72.719 | 0.09766 | 0.00000 | 789605.1 | 787740.9 | 0.0 | S |
| 96.117 | 0.0000 | 0.0000 | 72.718 | 0.09760 | 0.00000 | 789605.1 | 787743.8 | 0.0 | S |
| 96.125 | 0.0000 | 0.0000 | 72.717 | 0.09754 | 0.00000 | 789605.1 | 787746.8 | 0.0 | S |
| 96.133 | 0.0000 | 0.0000 | 72.716 | 0.09747 | 0.00000 | 789605.1 | 787749.7 | 0.0 | S |
| 96.142 | 0.0000 | 0.0000 | 72.715 | 0.09741 | 0.00000 | 789605.1 | 787752.6 | 0.0 | S |
| 96.150 | 0.0000 | 0.0000 | 72.714 | 0.09735 | 0.00000 | 789605.1 | 787755.5 | 0.0 | S |
| 96.158 | 0.0000 | 0.0000 | 72.713 | 0.09729 | 0.00000 | 789605.1 | 787758.4 | 0.0 | S |
| 96.167 | 0.0000 | 0.0000 | 72.712 | 0.09723 | 0.00000 | 789605.1 | 787761.4 | 0.0 | S |
| 96.175 | 0.0000 | 0.0000 | 72.711 | 0.09717 | 0.00000 | 789605.1 | 787764.3 | 0.0 | S |
| 96.183 | 0.0000 | 0.0000 | 72.710 | 0.09711 | 0.00000 | 789605.1 | 787767.2 | 0.0 | S |
| 96.192 | 0.0000 | 0.0000 | 72.709 | 0.09705 | 0.00000 | 789605.1 | 787770.1 | 0.0 | S |

# PONDS Version 3.2.0207 <br> Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E. 

Detailed Results (cont,d.) :: Scenario 1 :: Pond 5100 yr/24 hr

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{fl}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | infiltration Rate ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 96.200 | 0.0000 | 0.0000 | 72.708 | 0.09699 | 0.00000 | 789605.1 | 787773.0 | 0.0 | S |
| 96.208 | 0.0000 | 0.0000 | 72.707 | 0.09692 | 0.00000 | 789605.1 | 787775.9 | 0.0 | S |
| 96.217 | 0.0000 | 0.0000 | 72.706 | 0.09686 | 0.00000 | 789605.1 | 787778.8 | 0.0 | S |
| 96.225 | 0.0000 | 0.0000 | 72.705 | 0.09680 | 0.00000 | 789605.1 | 787781.8 | 0.0 | S |
| 96.233 | 0.0000 | 0.0000 | 72.704 | 0.09674 | 0.00000 | 789605.1 | 787784.6 | 0.0 | S |
| 96.242 | 0.0000 | 0.0000 | 72.703 | 0.09668 | 0.00000 | 789605.1 | 787787.6 | 0.0 | S |
| 96.250 | 0.0000 | 0.0000 | 72.703 | 0.09662 | 0.00000 | 789605.1 | 787790.4 | 0.0 | S |
| 96.258 | 0.0000 | 0.0000 | 72.702 | 0.09656 | 0.00000 | 789605.1 | 787793.3 | 0.0 | S |
| 96.267 | 0.0000 | 0.0000 | 72.701 | 0.09650 | 0.00000 | 789605.1 | 787796.3 | 0.0 | S |
| 96.275 | 0.0000 | 0.0000 | 72.700 | 0.09644 | 0.00000 | 789605.1 | 787799.1 | 0.0 | S |
| 96.283 | 0.0000 | 0.0000 | 72.699 | 0.09638 | 0.00000 | 789605.1 | 787802.0 | 0.0 | S |
| 96.292 | 0.0000 | 0.0000 | 72.698 | 0.09632 | 0.00000 | 789605.1 | 787804.9 | 0.0 | S |
| 96.300 | 0.0000 | 0.0000 | 72.697 | 0.09626 | 0.00000 | 789605.1 | 787807.8 | 0.0 | S |
| 96.308 | 0.0000 | 0.0000 | 72.696 | 0.09620 | 0.00000 | 789605.1 | 787810.7 | 0.0 | S |
| 96.317 | 0.0000 | 0.0000 | 72.695 | 0.09614 | 0.00000 | 789605.1 | 787813.6 | 0.0 | S |
| 96.325 | 0.0000 | 0.0000 | 72.694 | 0.09608 | 0.00000 | 789605.1 | 787816.4 | 0.0 | S |
| 96.333 | 0.0000 | 0.0000 | 72.693 | 0.09602 | 0.00000 | 789605.1 | 787819.3 | 0.0 | S |
| 96.342 | 0.0000 | 0.0000 | 72.692 | 0.09596 | 0.00000 | 789605.1 | 787822.3 | 0.0 | S |
| 96.350 | 0.0000 | 0.0000 | 72.691 | 0.09590 | 0.00000 | 789605.1 | 787825.1 | 0.0 | S |
| 96.358 | 0.0000 | 0.0000 | 72.690 | 0.09583 | 0.00000 | 789605.1 | 787828.0 | 0.0 | S |
| 96.367 | 0.0000 | 0.0000 | 72.689 | 0.09577 | 0.00000 | 789605.1 | 787830.9 | 0.0 | S |
| 96.375 | 0.0000 | 0.0000 | 72.688 | 0.09571 | 0.00000 | 789605.1 | 787833.8 | 0.0 | 5 |
| 96.383 | 0.0000 | 0.0000 | 72.687 | 0.09565 | 0.00000 | 789605.1 | 787836.6 | 0.0 | 5 |
| 96.392 | 0.0000 | 0.0000 | 72.686 | 0.09559 | 0.00000 | 789605.1 | 787839.4 | 0.0 | S |
| 96.400 | 0.0000 | 0.0000 | 72.685 | 0.09553 | 0.00000 | 789605.1 | 787842.3 | 0.0 | S |
| 96.408 | 0.0000 | 0.0000 | 72.684 | 0.09547 | 0.00000 | 789605.1 | 787845.2 | 0.0 | S |
| 96.417 | 0.0000 | 0.0000 | 72.683 | 0.09541 | 0.00000 | 789605.1 | 787848.1 | 0.0 | S |
| 96.425 | 0.0000 | 0.0000 | 72.682 | 0.09535 | 0.00000 | 789605.1 | 787850.9 | 0.0 | 5 |
| 96.433 | 0.0000 | 0.0000 | 72.681 | 0.09529 | 0.00000 | 789605.1 | 787853.8 | 0.0 | S |
| 96.442 | 0.0000 | 0.0000 | 72.680 | 0.09524 | 0.00000 | 789605.1 | 787856.6 | 0.0 | 5 |
| 96.450 | 0.0000 | 0.0000 | 72.679 | 0.09518 | 0.00000 | 789605.1 | 787859.5 | 0.0 | S |
| 96.458 | 0.0000 | 0.0000 | 72.678 | 0.09512 | 0.00000 | 789605.1 | 787862.4 | 0.0 | S |
| 96.467 | 0.0000 | 0.0000 | 72.677 | 0.09506 | 0.00000 | 789605.1 | 787865.2 | 0.0 | 5 |
| 96.475 | 0.0000 | 0.0000 | 72.677 | 0.09500 | 0.00000 | 789605.1 | 787868.1 | 0.0 | S |
| 96.483 | 0.0000 | 0.0000 | 72.676 | 0.09494 | 0.00000 | 789605.1 | 787870.9 | 0.0 | S |
| 96.492 | 0.0000 | 0.0000 | 72.675 | 0.09488 | 0.00000 | 789605.1 | 787873.8 | 0.0 | 5 |
| 96.500 | 0.0000 | 0.0000 | 72.674 | 0.09482 | 0.00000 | 789605.1 | 787876.6 | 0.0 | S |
| 96.508 | 0.0000 | 0.0000 | 72.873 | 0.09476 | 0.00000 | 789605.1 | 787879.4 | 0.0 | S |
| 96.517 | 0.0000 | 0.0000 | 72.672 | 0.09470 | 0.00000 | 789605.1 | 787882.3 | 0.0 | S |
| 96.525 | 0.0000 | 0.0000 | 72.671 | 0.09464 | 0.00000 | 789605.1 | 787885.1 | 0.0 | 5 |
| 96.533 | 0.0000 | 0.0000 | 72.670 | 0.09458 | 0.00000 | 789605.1 | 787887.9 | 0.0 | S |
| 96.542 | 0.0000 | 0.0000 | 72.669 | 0.09452 | 0.00000 | 789605.1 | 787890.8 | 0.0 | S |
| 96.550 | 0.0000 | 0.0000 | 72.668 | 0.09446 | 0.00000 | 789605.1 | 787893.6 | 0.0 | 5 |
| 96.558 | 0.0000 | 0.0000 | 72.667 | 0.09440 | 0.00000 | 789605.1 | 787896.4 | 0.0 | S |
| 96.567 | 0.0000 | 0.0000 | 72.666 | 0.09434 | 0.00000 | 789605.1 | 787899.3 | 0.0 | S |
| 96.575 | 0.0000 | 0.0000 | 72.665 | 0.09428 | 0.00000 | 789605.1 | 787902.1 | 0.0 | S |
| 96.583 | 0.0000 | 0.0000 | 72.664 | 0.09422 | 0.00000 | 789605.1 | 787904.9 | 0.0 | S |
| 96.592 | 0.0000 | 0.0000 | 72.663 | 0.09417 | 0.00000 | 789605.1 | 787907.8 | 0.0 | S |
| 96.600 | 0.0000 | 0.0000 | 72.662 | 0.09411 | 0.00000 | 789605.1 | 787910.6 | 0.0 | S |
| 96.608 | 0.0000 | 0.0000 | 72.661 | 0.09405 | 0.00000 | 789605.1 | 787913.4 | 0.0 | S |
| 96.617 | 0.0000 | 0.0000 | 72.660 | 0.09399 | 0.00000 | 789605.1 | 787916.3 | 0.0 | S |
| 96.625 | 0.0000 | 0.0000 | 72.659 | 0.09393 | 0.00000 | 789605.1 | 787919.1 | 0.0 | S |
| 96.633 | 0.0000 | 0.0000 | 72.658 | 0.09387 | 0.00000 | 789605.1 | 787921.9 | 0.0 | S |
| 96.642 | 0.0000 | 0.0000 | 72.657 | 0.09381 | 0.00000 | 789605.1 | 787924.7 | 0.0 | S |
| 96.650 | 0.0000 | 0.0000 | 72.656 | 0.09375 | 0.00000 | 789605.1 | 787927.5 | 0.0 | S |
| 96.658 | 0.0000 | 0.0000 | 72.655 | 0.09369 | 0.00000 | 789605.1 | 787930.3 | 0.0 | S |
| 96.667 | 0.0000 | 0.0000 | 72.655 | 0.09364 | 0.00000 | 789605.1 | 787933.1 | 0.0 | S |
| 96.675 | 0.0000 | 0.0000 | 72.654 | 0.09358 | 0.00000 | 789605.1 | 787935.9 | 0.0 | S |
| 96.683 | 0.0000 | 0.0000 | 72.653 | 0.09352 | 0.00000 | 789605.1 | 787938.8 | 0.0 | S |
| 96.692 | 0.0000 | 0.0000 | 72.652 | 0.09346 | 0.00000 | 789605.1 | 787941.6 | 0.0 | S |
| 96.700 | 0.0000 | 0.0000 | 72.651 | 0.09340 | 0.00000 | 789605.1 | 787944.4 | 0.0 | S |
| 96.708 | 0.0000 | 0.0000 | 72.650 | 0.09334 | 0.00000 | 789605.1 | 787947.1 | 0.0 | S |
| 96.717 | 0.0000 | 0.0000 | 72.649 | 0.09328 | 0.00000 | 789605.1 | 787949.9 | 0.0 | S |
| 96.725 | 0.0000 | 0.0000 | 72.648 | 0.09322 | 0.00000 | 789605.1 | 787952.8 | 0.0 | S |
| 96.733 | 0.0000 | 0.0000 | 72.647 | 0.09317 | 0.00000 | 789605.1 | 787955.6 | 0.0 | S |
| 96.742 | 0.0000 | 0.0000 | 72.646 | 0.09311 | 0.00000 | 789605.1 | 787958.3 | 0.0 | S |
| 96.750 | 0.0000 | 0.0000 | 72.645 | 0.09305 | 0.00000 | 789605.1 | 787961.1 | 0.0 | S |
| 96.758 | 0.0000 | 0.0000 | 72.644 | 0.09299 | 0.00000 | 789605.1 | 787963.9 | 0.0 | S |
| 96.767 | 0.0000 | 0.0000 | 72.643 | 0.09293 | 0.00000 | 789605.1 | 787966.7 | 0.0 | S |
| 96.775 | 0.0000 | 0.0000 | 72.642 | 0.09287 | 0.00000 | 789605.1 | 787969.5 | 0.0 | S |
| 96.783 | 0.0000 | 0.0000 | 72.641 | 0.09282 | 0.00000 | 789605.1 | 787972.3 | 0.0 | S |
| 96.792 | 0.0000 | 0.0000 | 72.640 | 0.09276 | 0.00000 | 789605.1 | 787975.1 | 0.0 | S |
| 96.800 | 0.0000 | 0.0000 | 72.639 | 0.09270 | 0.00000 | 789605.1 | 787977.9 | 0.0 | S |
| 96.808 | 0.0000 | 0.0000 | 72.638 | 0.09264 | 0.00000 | 789605.1 | 787980.6 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | inflow Rate ( $\mathrm{f}^{3 / 5}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{tt}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ff}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ff}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 96.817 | 0.0000 | 0.0000 | 72.637 | 0.09258 | 0.00000 | 789605.1 | 787983.4 | 0.0 | S |
| 96.825 | 0.0000 | 0.0000 | 72.636 | 0.09253 | 0.00000 | 789605.1 | 787986.2 | 0.0 | S |
| 96.833 | 0.0000 | 0.0000 | 72.635 | 0.09247 | 0.00000 | 789605.1 | 787988.9 | 0.0 | S |
| 96.842 | 0.0000 | 0.0000 | 72.635 | 0.09241 | 0.00000 | 789605.1 | 787991.8 | 0.0 | S |
| 96.850 | 0.0000 | 0.0000 | 72.634 | 0.09235 | 0.00000 | 789605.1 | 787994.5 | 0.0 | S |
| 96.858 | 0.0000 | 0.0000 | 72.633 | 0.09229 | 0.00000 | 789605.1 | 787997.3 | 0.0 | S |
| 96.867 | 0.0000 | 0.0000 | 72.632 | 0.09224 | 0.00000 | 789605.1 | 788000.1 | 0.0 | S |
| 96.875 | 0.0000 | 0.0000 | 72.631 | 0.09218 | 0.00000 | 789605.1 | 788002.8 | 0.0 | S |
| 96.883 | 0.0000 | 0.0000 | 72.630 | 0.09212 | 0.00000 | 789605.1 | 788005.6 | 0.0 | S |
| 96.892 | 0.0000 | 0.0000 | 72.629 | 0.09206 | 0.00000 | 789605.1 | 788008.3 | 0.0 | S |
| 96.900 | 0.0000 | 0.0000 | 72.628 | 0.09201 | 0.00000 | 789605.1 | 788011.1 | 0.0 | S |
| 96.908 | 0.0000 | 0.0000 | 72.627 | 0.09195 | 0.00000 | 789605.1 | 788013.9 | 0.0 | S |
| 96.917 | 0.0000 | 0.0000 | 72.626 | 0.09189 | 0.00000 | 789605.1 | 788016.6 | 0.0 | S |
| 96.925 | 0.0000 | 0.0000 | 72.625 | 0.09183 | 0.00000 | 789605.1 | 788019.4 | 0.0 | S |
| 96.933 | 0.0000 | 0.0000 | 72.624 | 0.09178 | 0.00000 | 789605.1 | 788022.1 | 0.0 | S |
| 96.942 | 0.0000 | 0.0000 | 72.623 | 0.09172 | 0.00000 | 789605.1 | 788024.9 | 0.0 | S |
| 96.950 | 0,0000 | 0.0000 | 72.622 | 0.09166 | 0.00000 | 789605.1 | 788027.6 | 0.0 | S |
| 96.958 | 0.0000 | 0.0000 | 72.621 | 0.09160 | 0.00000 | 789605.1 | 788030.4 | 0.0 | S |
| 96.967 | 0.0000 | 0.0000 | 72.620 | 0.09155 | 0.00000 | 789605. ${ }^{\text {7 }}$ | 788033.1 | 0.0 | S |
| 96.975 | 0.0000 | 0.0000 | 72.619 | 0.09149 | 0.00000 | 789605.1 | 788035.9 | 0.0 | S |
| 96.983 | 0.0000 | 0.0000 | 72.618 | 0.09143 | 0.00000 | 789605.1 | 788038.6 | 0.0 | S |
| 96.992 | 0.0000 | 0.0000 | 72.617 | 0.09137 | 0.00000 | 789605.1 | 788041.4 | 0.0 | S |
| 97.000 | 0.0000 | 0.0000 | 72.617 | 0.09132 | 0.00000 | 789605.1 | 788044.1 | 0.0 | S |
| 97.008 | 0.0000 | 0.0000 | 72.616 | 0.09126 | 0.00000 | 789605.1 | 788046.8 | 0.0 | S |
| 97.017 | 0.0000 | 0.0000 | 72.615 | 0.09120 | 0.00000 | 789605.1 | 788049.6 | 0.0 | S |
| 97.025 | 0.0000 | 0.0000 | 72.614 | 0.09115 | 0.00000 | 789605.1 | 788052.3 | 0.0 | S |
| 97.033 | 0.0000 | 0.0000 | 72.613 | 0.09109 | 0.00000 | 789605.1 | 788055.1 | 0.0 | S |
| 97.042 | 0.0000 | 0.0000 | 72.612 | 0.09103 | 0.00000 | 789605.1 | 788057.8 | 0.0 | S |
| 97.050 | 0.0000 | 0.0000 | 72.611 | 0.09097 | 0.00000 | 789605.1 | 788060.5 | 0.0 | S |
| 97.058 | 0.0000 | 0.0000 | 72.610 | 0.09092 | 0.00000 | 789605.1 | 788063.3 | 0.0 | S |
| 97.067 | 0.0000 | 0.0000 | 72.609 | 0.09086 | 0.00000 | 789605.1 | 788065.9 | 0.0 | S |
| 97.075 | 0.0000 | 0.0000 | 72.608 | 0.09080 | 0.00000 | 789605.1 | 788068.7 | 0.0 | S |
| 97.083 | 0.0000 | 0.0000 | 72.607 | 0.09075 | 0.00000 | 789605.1 | 788071.4 | 0.0 | S |
| 97.092 | 0.0000 | 0.0000 | 72.606 | 0.09069 | 0.00000 | 789605.1 | 788074.1 | 0.0 | S |
| 97.100 | 0.0000 | 0.0000 | 72.605 | 0.09063 | 0.00000 | 789605.1 | 788076.8 | 0.0 | S |
| 97.108 | 0.0000 | 0.0000 | 72.604 | 0.09058 | 0.00000 | 789605.1 | 788079.6 | 0.0 | 5 |
| 97.117 | 0.0000 | 0.0000 | 72.603 | 0.09052 | 0.00000 | 789605.1 | 788082.3 | 0.0 | S |
| 97.125 | 0.0000 | 0.0000 | 72.602 | 0.09046 | 0.00000 | 789605.1 | 788085.0 | 0.0 | S |
| 97.133 | 0.0000 | 0.0000 | 72.601 | 0.09041 | 0.00000 | 789605.1 | 788087.7 | 0.0 | S |
| 97.142 | 0.0000 | 0.0000 | 72.601 | 0.09035 | 0.00000 | 789605.1 | 788090.4 | 0.0 | S |
| 97.150 | 0.0000 | 0.0000 | 72.600 | 0.09029 | 0.00000 | 789605.1 | 788093.1 | 0.0 | S |
| 97.158 | 0.0000 | 0.0000 | 72.599 | 0.09024 | 0.00000 | 789605.1 | 788095.8 | 0.0 | S |
| 97.167 | 0.0000 | 0.0000 | 72.598 | 0.09018 | 0.00000 | 789605.1 | 788098.6 | 0.0 | S |
| 97.175 | 0.0000 | 0.0000 | 72.597 | 0.09012 | 0.00000 | 789605.1 | 788101.3 | 0.0 | S |
| 97.183 | 0.0000 | 0.0000 | 72.596 | 0.09007 | 0.00000 | 789605.1 | 788103.9 | 0.0 | S |
| 97.192 | 0.0000 | 0.0000 | 72.595 | 0.09001 | 0.00000 | 789605.1 | 788106.6 | 0.0 | S |
| 97.200 | 0.0000 | 0.0000 | 72.594 | 0.08995 | 0.00000 | 789605.1 | 788109.4 | 0.0 | S |
| 97.208 | 0.0000 | 0.0000 | 72.593 | 0.08990 | 0.00000 | 789605.1 | 788112.1 | 0.0 | S |
| 97.217 | 0.0000 | 0.0000 | 72.592 | 0.08984 | 0.00000 | 789605.1 | 788114.8 | 0.0 | S |
| 97.225 | 0.0000 | 0.0000 | 72.591 | 0.08979 | 0.00000 | 789605.1 | 788117.4 | 0.0 | S |
| 97.233 | 0.0000 | 0.0000 | 72.590 | 0.08973 | 0.00000 | 789605.1 | 788120.1 | 0.0 | S |
| 97.242 | 0.0000 | 0.0000 | 72.589 | 0.08967 | 0.00000 | 789605.1 | 788122.8 | 0.0 | S |
| 97.250 | 0.0000 | 0.0000 | 72.588 | 0.08962 | 0.00000 | 789605.1 | 788125.5 | 0.0 | S |
| 97.258 | 0.0000 | 0.0000 | 72.587 | 0.08956 | 0.00000 | 789605.1 | 788128.2 | 0.0 | S |
| 97.267 | 0.0000 | 0.0000 | 72.586 | 0.08950 | 0.00000 | 789605.1 | 788130.9 | 0.0 | S |
| 97.275 | 0.0000 | 0.0000 | 72.585 | 0.08945 | 0.00000 | 789605.1 | 788133.6 | 0.0 | S |
| 97.283 | 0.0000 | 0.0000 | 72.585 | 0.08939 | 0.00000 | 789605.1 | 788136.3 | 0.0 | S |
| 97.292 | 0.0000 | 0.0000 | 72.584 | 0.08934 | 0.00000 | 789605.1 | 788138.9 | 0.0 | S |
| 97.300 | 0.0000 | 0.0000 | 72.583 | 0.08928 | 0.00000 | 789605.1 | 788141.6 | 0.0 | S |
| 97.308 | 0.0000 | 0.0000 | 72.582 | 0.08922 | 0.00000 | 789605.1 | 788144.3 | 0.0 | S |
| 97.317 | 0.0000 | 0.0000 | 72.581 | 0.08917 | 0.00000 | 789605.1 | 788146.9 | 0.0 | S |
| 97.325 | 0.0000 | 0.0000 | 72.580 | 0.08911 | 0.00000 | 789605.1 | 788149.6 | 0.0 | S |
| 97.333 | 0.0000 | 0.0000 | 72.579 | 0.08906 | 0.00000 | 789605.1 | 788152.3 | 0.0 | S |
| 97.342 | 0.0000 | 0.0000 | 72.578 | 0.08900 | 0.00000 | 789605.1 | 788155.0 | 0.0 | S |
| 97.350 | 0.0000 | 0.0000 | 72.577 | 0.08895 | 0.00000 | 789605.1 | 788157.6 | 0.0 | S |
| 97.358 | 0.0000 | 0.0000 | 72.576 | 0.08889 | 0.00000 | 789605.1 | 788160.3 | 0.0 | S |
| 97.367 | 0.0000 | 0.0000 | 72.575 | 0.08883 | 0.00000 | 789605.1 | 788163.0 | 0.0 | S |
| 97.375 | 0.0000 | 0.0000 | 72.574 | 0.08878 | 0.00000 | 789605.1 | 788165.6 | 0.0 | S |
| 97.383 | 0.0000 | 0.0000 | 72.573 | 0.08872 | 0.00000 | 789605.1 | 788168.3 | 0.0 | S |
| 97.392 | 0.0000 | 0.0000 | 72.572 | 0.08867 | 0.00000 | 789605.1 | 788170.9 | 0.0 | S |
| 97.400 | 0.0000 | 0.0000 | 72.571 | 0.08861 | 0.00000 | 789605.1 | 788173.6 | 0.0 | S |
| 97.408 | 0.0000 | 0.0000 | 72.570 | 0.08856 | 0.00000 | 789605.1 | 788176.3 | 0.0 | S |
| 97.417 | 0.0000 | 0.0000 | 72.570 | 0.08850 | 0.00000 | 789605.1 | 788178.9 | 0.0 | S |
| 97.425 | 0.0000 | 0.0000 | 72.569 | 0.08845 | 0.00000 | 789605.1 | 788181.6 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 5100 yr/24 hr

| Elapsed Time (hours) | inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{Ht}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{t}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 97.433 | 0.0000 | 0.0000 | 72.568 | 0.08839 | 0.00000 | 789605.1 | 788184.3 | 0.0 | S |
| 97.442 | 0.0000 | 0.0000 | 72.567 | 0.08834 | 0.00000 | 789605.1 | 788186.9 | 0.0 | S |
| 97.450 | 0.0000 | 0.0000 | 72.566 | 0.08828 | 0.00000 | 789605.1 | 788189.6 | 0.0 | S |
| 97.458 | 0.0000 | 0.0000 | 72.565 | 0.08822 | 0.00000 | 789605.1 | 788192.2 | 0.0 | S |
| 97.467 | 0.0000 | 0.0000 | 72.564 | 0.08817 | 0.00000 | 789605.1 | 788194.8 | 0.0 | S |
| 97.475 | 0.0000 | 0.0000 | 72.563 | 0.08811 | 0.00000 | 789605.1 | 788197.5 | 0.0 | S |
| 97.483 | 0.0000 | 0.0000 | 72.562 | 0.08806 | 0.00000 | 789605.1 | 788200.1 | 0.0 | S |
| 97.492 | 0.0000 | 0.0000 | 72.561 | 0.08800 | 0.00000 | 789605.1 | 788202.8 | 0.0 | S |
| 97.500 | 0.0000 | 0.0000 | 72.560 | 0.08795 | 0.00000 | 789605.1 | 788205.4 | 0.0 | S |
| 97.508 | 0.0000 | 0.0000 | 72.559 | 0.08789 | 0.00000 | 789605.1 | 788208.1 | 0.0 | S |
| 97.517 | 0.0000 | 0.0000 | 72.558 | 0.08784 | 0.00000 | 789605.1 | 788210.7 | 0.0 | S |
| 97.525 | 0.0000 | 0.0000 | 72.557 | 0.08778 | 0.00000 | 789605.1 | 788213.3 | 0.0 | S |
| 97.533 | 0.0000 | 0.0000 | 72.557 | 0.08773 | 0.00000 | 789605.1 | 788215.9 | 0.0 | S |
| 97.542 | 0.0000 | 0.0000 | 72.556 | 0.08767 | 0.00000 | 789605.1 | 788218.6 | 0.0 | S |
| 97.550 | 0.0000 | 0.0000 | 72.555 | 0.08762 | 0.00000 | 789605.1 | 788221.2 | 0.0 | S |
| 97.558 | 0.0000 | 0.0000 | 72.554 | 0.08756 | 0.00000 | 789605.1 | 788223.8 | 0.0 | S |
| 97.567 | 0.0000 | 0.0000 | 72.553 | 0.08751 | 0.00000 | 789605.1 | 788226.4 | 0.0 | S |
| 97.575 | 0.0000 | 0.0000 | 72.552 | 0.08745 | 0.00000 | 789605.1 | 788229.1 | 0.0 | S |
| 97.583 | 0.0000 | 0.0000 | 72.551 | 0.08740 | 0.00000 | 789605.1 | 788231.7 | 0.0 | S |
| 97.592 | 0.0000 | 0.0000 | 72.550 | 0.08735 | 0.00000 | 789605.1 | 788234.3 | 0.0 | S |
| 97.600 | 0.0000 | 0.0000 | 72.549 | 0.08729 | 0.00000 | 789605.1 | 788236.9 | 0.0 | S |
| 97.608 | 0.0000 | 0.0000 | 72.548 | 0.08724 | 0.00000 | 789605.1 | 788239.6 | 0.0 | S |
| 97.617 | 0.0000 | 0.0000 | 72.547 | 0.08718 | 0.00000 | 789605.1 | 788242.2 | 0.0 | S |
| 97.625 | 0.0000 | 0.0000 | 72.546 | 0.08713 | 0.00000 | 789605.1 | 788244.8 | 0.0 | S |
| 97.633 | 0.0000 | 0.0000 | 72.545 | 0.08707 | 0.00000 | 789605.1 | 788247.4 | 0.0 | S |
| 97.642 | 0.0000 | 0.0000 | 72.544 | 0.08702 | 0.00000 | 789605.1 | 788250.0 | 0.0 | S |
| 97.650 | 0.0000 | 0.0000 | 72.544 | 0.08696 | 0.00000 | 789605.1 | 788252.6 | 0.0 | S |
| 97.658 | 0.0000 | 0.0000 | 72.543 | 0.08691 | 0.00000 | 789605.1 | 788255.3 | 0.0 | S |
| 97.667 | 0.0000 | 0.0000 | 72.542 | 0.08685 | 0.00000 | 789605.1 | 788257.9 | 0.0 | S |
| 97.675 | 0.0000 | 0.0000 | 72.541 | 0.08680 | 0.00000 | 789605.1 | 788260.4 | 0.0 | S |
| 97.683 | 0.0000 | 0.0000 | 72.540 | 0.08675 | 0.00000 | 789605.1 | 788263.1 | 0.0 | S |
| 97.692 | 0.0000 | 0.0000 | 72.539 | 0.08669 | 0.00000 | 789605.1 | 788265.7 | 0.0 | S |
| 97.700 | 0.0000 | 0.0000 | 72.538 | 0.08664 | 0.00000 | 789605.1 | 788268.3 | 0.0 | S |
| 97.708 | 0.0000 | 0.0000 | 72.537 | 0.08658 | 0.00000 | 789605.1 | 788270.9 | 0.0 | S |
| 97.717 | 0.0000 | 0.0000 | 72.536 | 0.08653 | 0.00000 | 789605.1 | 788273.4 | 0.0 | S |
| 97.725 | 0.0000 | 0.0000 | 72.535 | 0.08647 | 0.00000 | 789605.1 | 788276.1 | 0.0 | S |
| 97.733 | 0.0000 | 0.0000 | 72.534 | 0.08642 | 0.00000 | 789605.1 | 788278.6 | 0.0 | S |
| 97.742 | 0.0000 | 0.0000 | 72.533 | 0.08637 | 0.00000 | 789605.1 | 788281.3 | 0.0 | S |
| 97.750 | 0.0000 | 0.0000 | 72.532 | 0.08631 | 0.00000 | 789605.1 | 788283.8 | 0.0 | S |
| 97.758 | 0.0000 | 0.0000 | 72.531 | 0.08626 | 0.00000 | 789605.1 | 788286.4 | 0.0 | S |
| 97.767 | 0.0000 | 0.0000 | 72.531 | 0.08620 | 0.00000 | 789605.1 | 788289.0 | 0.0 | S |
| 97.775 | 0.0000 | 0.0000 | 72.530 | 0.08615 | 0.00000 | 789605.1 | 788291.6 | 0.0 | S |
| 97.783 | 0.0000 | 0.0000 | 72.529 | 0.08610 | 0.00000 | 789605.1 | 788294.2 | 0.0 | S |
| 97.792 | 0.0000 | 0.0000 | 72.528 | 0.08604 | 0.00000 | 789605.1 | 788296.8 | 0.0 | S |
| 97.800 | 0.0000 | 0.0000 | 72.527 | 0.08599 | 0.00000 | 789605.1 | 788299.3 | 0.0 | S |
| 97.808 | 0.0000 | 0.0000 | 72.526 | 0.08594 | 0.00000 | 789605.1 | 788301.9 | 0.0 | S |
| 97.817 | 0.0000 | 0.0000 | 72.525 | 0.08588 | 0.00000 | 789605.1 | 788304.5 | 0.0 | S |
| 97.825 | 0.0000 | 0.0000 | 72.524 | 0.08583 | 0.00000 | 789605.1 | 788307.1 | 0.0 | S |
| 97.833 | 0.0000 | 0.0000 | 72.523 | 0.08577 | 0.00000 | 789605.1 | 788309.6 | 0.0 | S |
| 97.842 | 0.0000 | 0.0000 | 72.522 | 0.08572 | 0.00000 | 789605.1 | 788312.2 | 0.0 | S |
| 97.850 | 0.0000 | 0.0000 | 72.521 | 0.08567 | 0.00000 | 789605.1 | 788314.8 | 0.0 | S |
| 97.858 | 0.0000 | 0.0000 | 72.520 | 0.08561 | 0.00000 | 789605.1 | 788317.4 | 0.0 | S |
| 97.867 | 0.0000 | 0.0000 | 72.519 | 0.08556 | 0.00000 | 789605.1 | 788319.9 | 0.0 | S |
| 97.875 | 0.0000 | 0.0000 | 72.519 | 0.08551 | 0.00000 | 789605.1 | 788322.5 | 0.0 | S |
| 97.883 | 0.0000 | 0.0000 | 72.518 | 0.08545 | 0.00000 | 789605.1 | 788325.1 | 0.0 | S |
| 97.892 | 0.0000 | 0.0000 | 72.517 | 0.08540 | 0.00000 | 789605.1 | 788327.6 | 0.0 | S |
| 97.900 | 0.0000 | 0.0000 | 72.516 | 0.08535 | 0.00000 | 789605.1 | 788330.2 | 0.0 | S |
| 97.908 | 0.0000 | 0.0000 | 72.515 | 0.08529 | 0.00000 | 789605.1 | 788332.8 | 0.0 | S |
| 97.917 | 0.0000 | 0,0000 | 72.514 | 0.08524 | 0.00000 | 789605.1 | 788335.3 | 0.0 | S |
| 97.925 | 0.0000 | 0.0000 | 72.513 | 0.08519 | 0.00000 | 789605.1 | 788337.9 | 0.0 | S |
| 97.933 | 0.0000 | 0.0000 | 72.512 | 0.08513 | 0.00000 | 789605.1 | 788340.4 | 0.0 | S |
| 97.942 | 0.0000 | 0.0000 | 72.511 | 0.08508 | 0.00000 | 789605.1 | 788342.9 | 0.0 | S |
| 97.950 | 0.0000 | 0.0000 | 72.510 | 0.08503 | 0.00000 | 789605.1 | 788345.5 | 0.0 | S |
| 97.958 | 0.0000 | 0.0000 | 72.509 | 0.08497 | 0.00000 | 789605.1 | 788348.1 | 0.0 | S |
| 97.967 | 0.0000 | 0.0000 | 72.508 | 0.08492 | 0.00000 | 789605.1 | 788350.6 | 0.0 | S |
| 97.975 | 0.0000 | 0.0000 | 72.507 | 0.08487 | 0.00000 | 789605.1 | 788353.1 | 0.0 | S |
| 97.983 | 0.0000 | 0.0000 | 72.507 | 0.08481 | 0.00000 | 789605.1 | 788355.7 | 0.0 | S |
| 97.992 | 0.0000 | 0.0000 | 72.506 | 0.08476 | 0.00000 | 789605.1 | 788358.3 | 0.0 | S |
| 98.000 | 0.0000 | 0.0000 | 72.505 | 0.08471 | 0.00000 | 789605.1 | 788360.8 | 0.0 | S |
| 98.008 | 0.0000 | 0.0000 | 72.504 | 0.08465 | 0.00000 | 789605.1 | 788363.3 | 0.0 | S |
| 98.017 | 0.0000 | 0.0000 | 72.503 | 0.08460 | 0.00000 | 789605.1 | 788365.9 | 0.0 | S |
| 98.025 | 0.0000 | 0.0000 | 72.502 | 0.08455 | 0.00000 | 789605.1 | 788368.4 | 0.0 | S |
| 98.033 | 0.0000 | 0.0000 | 72.501 | 0.08449 | 0.00000 | 789605.1 | 788370.9 | 0.0 | S |
| 98.042 | 0.0000 | 0.0000 | 72.500 | 0.08444 | 0.00000 | 789605.1 | 788373.4 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.

## Detailed Results (cont,d.) :: Scenario 1 :: Pond 5100 yr/24 hr

| Elapsed Time (hours) | inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{fl}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{t}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 98.050 | 0.0000 | 0.0000 | 72.499 | 0.08439 | 0.00000 | 789605.1 | 788376.0 | 0.0 | S |
| 98.058 | 0.0000 | 0.0000 | 72.498 | 0.08434 | 0.00000 | 789605.1 | 788378.5 | 0.0 | S |
| 98.067 | 0.0000 | 0.0000 | 72.497 | 0.08428 | 0.00000 | 789605.1 | 788381.1 | 0.0 | S |
| 98.075 | 0.0000 | 0.0000 | 72.496 | 0.08423 | 0.00000 | 789605.1 | 788383.6 | 0.0 | S |
| 98.083 | 0.0000 | 0.0000 | 72.496 | 0.08418 | 0.00000 | 789605.1 | 788386.1 | 0.0 | S |
| 98.092 | 0.0000 | 0.0000 | 72.495 | 0.08413 | 0.00000 | 789605.1 | 788388.6 | 0.0 | S |
| 98.100 | 0.0000 | 0.0000 | 72.494 | 0.08407 | 0.00000 | 789605.1 | 788391.2 | 0.0 | S |
| 98.108 | 0.0000 | 0.0000 | 72.493 | 0.08402 | 0.00000 | 789605.1 | 788393.7 | 0.0 | S |
| 98.117 | 0.0000 | 0.0000 | 72.492 | 0.08397 | 0.00000 | 789605.1 | 788396.2 | 0.0 | S |
| 98.125 | 0.0000 | 0.0000 | 72.491 | 0.08391 | 0.00000 | 789605.1 | 788398.8 | 0.0 | S |
| 98.133 | 0.0000 | 0.0000 | 72.490 | 0.08386 | 0.00000 | 789605.1 | 788401.3 | 0.0 | S |
| 98.142 | 0.0000 | 0.0000 | 72.489 | 0.08381 | 0.00000 | 789605.1 | 788403.8 | 0.0 | S |
| 98.150 | 0.0000 | 0.0000 | 72.488 | 0.08376 | 0.00000 | 789605.1 | 788406.3 | 0.0 | S |
| 98.158 | 0.0000 | 0.0000 | 72.487 | 0.08370 | 0.00000 | 789605.1 | 788408.8 | 0.0 | S |
| 98.167 | 0.0000 | 0.0000 | 72.486 | 0.08365 | 0.00000 | 789605.1 | 788411.3 | 0.0 | S |
| 98.175 | 0.0000 | 0.0000 | 72.485 | 0.08360 | 0.00000 | 789605.1 | 788413.8 | 0.0 | S |
| 98.183 | 0.0000 | 0.0000 | 72.485 | 0.08355 | 0.00000 | 789605.1 | 788416.3 | 0.0 | S |
| 98.192 | 0.0000 | 0.0000 | 72.484 | 0.08350 | 0.00000 | 789605.1 | 788418.8 | 0.0 | S |
| 98.200 | 0.0000 | 0.0000 | 72.483 | 0.08344 | 0.00000 | 789605.1 | 788421.3 | 0.0 | S |
| 98.208 | 0.0000 | 0.0000 | 72.482 | 0.08339 | 0.00000 | 789605.1 | 788423.8 | 0.0 | S |
| 98.217 | 0.0000 | 0.0000 | 72.481 | 0.08334 | 0.00000 | 789605.1 | 788426.3 | 0.0 | S |
| 98.225 | 0.0000 | 0.0000 | 72.480 | 0.08329 | 0.00000 | 789605.1 | 788428.8 | 0.0 | S |
| 98.233 | 0.0000 | 0.0000 | 72.479 | 0.08323 | 0.00000 | 789605.1 | 788431.3 | 0.0 | S |
| 98.242 | 0.0000 | 0.0000 | 72.478 | 0.08318 | 0.00000 | 789605.1 | 788433.8 | 0.0 | S |
| 98.250 | 0.0000 | 0.0000 | 72.477 | 0.08313 | 0.00000 | 789605.1 | 788436.3 | 0.0 | S |
| 98.258 | 0.0000 | 0.0000 | 72.476 | 0.08308 | 0.00000 | 789605.1 | 788438.8 | 0.0 | S |
| 98.267 | 0.0000 | 0.0000 | 72.475 | 0.08303 | 0.00000 | 789605.1 | 788441.3 | 0.0 | S |
| 98.275 | 0.0000 | 0.0000 | 72.475 | 0.08297 | 0.00000 | 789605.1 | 788443.8 | 0.0 | S |
| 98.283 | 0.0000 | 0.0000 | 72.474 | 0.08292 | 0.00000 | 789605.1 | 788446.3 | 0.0 | S |
| 98.292 | 0.0000 | 0.0000 | 72.473 | 0.08287 | 0.00000 | 789605.1 | 788448.8 | 0.0 | S |
| 98.300 | 0.0000 | 0.0000 | 72.472 | 0.08282 | 0.00000 | 789605.1 | 788451.3 | 0.0 | S |
| 98.308 | 0.0000 | 0.0000 | 72.471 | 0.08277 | 0.00000 | 789605.1 | 788453.8 | 0.0 | S |
| 98.317 | 0.0000 | 0.0000 | 72.470 | 0.08271 | 0.00000 | 789605.1 | 788456.2 | 0.0 | S |
| 98.325 | 0.0000 | 0.0000 | 72.469 | 0.08266 | 0.00000 | 789605.1 | 788458.7 | 0.0 | S |
| 98.333 | 0.0000 | 0.0000 | 72.468 | 0.08261 | 0.00000 | 789605.1 | 788461.2 | 0.0 | S |
| 98.342 | 0.0000 | 0.0000 | 72.467 | 0.08256 | 0.00000 | 789605.1 | 788463.6 | 0.0 | S |
| 98.350 | 0.0000 | 0.0000 | 72.466 | 0.08251 | 0.00000 | 789605.1 | 788466.1 | 0.0 | S |
| 98.358 | 0.0000 | 0.0000 | 72.465 | 0.08246 | 0.00000 | 789605.1 | 788468.6 | 0.0 | S |
| 98.367 | 0.0000 | 0.0000 | 72.464 | 0.08240 | 0.00000 | 789605.1 | 788471.1 | 0.0 | S |
| 98.375 | 0.0000 | 0.0000 | 72.464 | 0.08235 | 0.00000 | 789605.1 | 788473.6 | 0.0 | S |
| 98.383 | 0.0000 | 0.0000 | 72.463 | 0.08230 | 0.00000 | 789605.1 | 788476.0 | 0.0 | S |
| 98.392 | 0.0000 | 0.0000 | 72.462 | 0.08225 | 0.00000 | 789605.1 | 788478.5 | 0.0 | S |
| 98.400 | 0.0000 | 0.0000 | 72.461 | 0.08220 | 0.00000 | 789605.1 | 788480.9 | 0.0 | S |
| 98.408 | 0.0000 | 0.0000 | 72.460 | 0.08215 | 0.00000 | 789605.1 | 788483.4 | 0.0 | S |
| 98.417 | 0.0000 | 0.0000 | 72.459 | 0.08210 | 0.00000 | 789605.1 | 788485.9 | 0.0 | S |
| 98.425 | 0.0000 | 0.0000 | 72.458 | 0.08204 | 0.00000 | 789605.1 | 788488.3 | 0.0 | S |
| 98.433 | 0.0000 | 0.0000 | 72.457 | 0.08199 | 0.00000 | 789605.1 | 788490.8 | 0.0 | S |
| 98.442 | 0.0000 | 0.0000 | 72.456 | 0.08194 | 0.00000 | 789605.1 | 788493.3 | 0.0 | S |
| 98.450 | 0.0000 | 0.0000 | 72.455 | 0.08189 | 0.00000 | 789605.1 | 788495.7 | 0.0 | S |
| 98.458 | 0.0000 | 0.0000 | 72.454 | 0.08184 | 0.00000 | 789605.1 | 788498.2 | 0.0 | S |
| 98.467 | 0.0000 | 0.0000 | 72.454 | 0.08179 | 0.00000 | 789605.1 | 788500.6 | 0.0 | S |
| 98.475 | 0.0000 | 0.0000 | 72.453 | 0.08174 | 0.00000 | 789605.1 | 788503.1 | 0.0 | S |
| 98.483 | 0.0000 | 0.0000 | 72.452 | 0.08168 | 0.00000 | 789605.1 | 788505.5 | 0.0 | S |
| 98.492 | 0.0000 | 0.0000 | 72.451 | 0.08163 | 0.00000 | 789605.1 | 788508.0 | 0.0 | S |
| 98.500 | 0.0000 | 0.0000 | 72.450 | 0.08158 | 0.00000 | 789605.1 | 788510.4 | 0.0 | S |
| 98.508 | 0.0000 | 0.0000 | 72.449 | 0.08153 | 0.00000 | 789605.1 | 788512.9 | 0.0 | S |
| 98.517 | 0.0000 | 0.0000 | 72.448 | 0.08148 | 0.00000 | 789605.1 | 788515.3 | 0.0 | S |
| 98.525 | 0.0000 | 0.0000 | 72.447 | 0.08143 | 0.00000 | 789605.1 | 788517.8 | 0.0 | S |
| 98.533 | 0.0000 | 0.0000 | 72.446 | 0.08138 | 0.00000 | 789605.1 | 788520.2 | 0.0 | S |
| 98.542 | 0.0000 | 0.0000 | 72.445 | 0.08133 | 0.00000 | 789605.1 | 788522.6 | 0.0 | S |
| 98.550 | 0.0000 | 0.0000 | 72.445 | 0.08128 | 0.00000 | 789605.1 | 788525.1 | 0.0 | S |
| 98.558 | 0.0000 | 0.0000 | 72.444 | 0.08123 | 0.00000 | 789605.1 | 788527.5 | 0.0 | S |
| 98.567 | 0.0000 | 0.0000 | 72.443 | 0.08117 | 0.00000 | 789605.1 | 788529.9 | 0.0 | S |
| 98.575 | 0.0000 | 0.0000 | 72.442 | 0.08112 | 0.00000 | 789605.1 | 788532.4 | 0.0 | S |
| 98.583 | 0.0000 | 0.0000 | 72.441 | 0.08107 | 0.00000 | 789605.1 | 788534.8 | 0.0 | S |
| 98.592 | 0.0000 | 0.0000 | 72.440 | 0.08102 | 0.00000 | 789605.1 | 788537.3 | 0.0 | S |
| 98.600 | 0.0000 | 0.0000 | 72.439 | 0.08097 | 0.00000 | 789605.1 | 788539.7 | 0.0 | S |
| 98.608 | 0.0000 | 0.0000 | 72.438 | 0.08092 | 0.00000 | 789605.1 | 788542.1 | 0.0 | S |
| 98.617 | 0.0000 | 0.0000 | 72.437 | 0.08087 | 0.00000 | 789605.1 | 788544.6 | 0.0 | S |
| 98.625 | 0.0000 | 0.0000 | 72.436 | 0.08082 | 0.00000 | 789605.1 | 788546.9 | 0.0 | S |
| 98.633 | 0.0000 | 0.0000 | 72.435 | 0.08077 | 0.00000 | 789605.1 | 788549.4 | 0.0 | S |
| 98.642 | 0.0000 | 0.0000 | 72.435 | 0.08072 | 0.00000 | 789605.1 | 788551.8 | 0.0 | S |
| 98.650 | 0.0000 | 0.0000 | 72.434 | 0.08067 | 0.00000 | 789605.1 | 788554.3 | 0.0 | S |
| 98.658 | 0.0000 | 0.0000 | 72.433 | 0.08062 | 0.00000 | 789605.1 | 788556.6 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate (ft3/s) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $4^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 98.667 | 0.0000 | 0.0000 | 72.432 | 0.08057 | 0.00000 | 789605.1 | 788559.1 | 0.0 | S |
| 98.675 | 0.0000 | 0.0000 | 72.431 | 0.08052 | 0.00000 | 789605.1 | 788561.5 | 0.0 | S |
| 98.683 | 0.0000 | 0.0000 | 72.430 | 0.08047 | 0.00000 | 789605.1 | 788563.9 | 0.0 | S |
| 98.692 | 0.0000 | 0.0000 | 72.429 | 0.08042 | 0.00000 | 789605.1 | 788566.3 | 0.0 | S |
| 98.700 | 0.0000 | 0.0000 | 72.428 | 0.08036 | 0.00000 | 789605.1 | 788568.8 | 0.0 | S |
| 98.708 | 0.0000 | 0.0000 | 72.427 | 0.08031 | 0.00000 | 789605.1 | 788571.1 | 0.0 | S |
| 98.717 | 0.0000 | 0.0000 | 72.426 | 0.08026 | 0.00000 | 789605.1 | 788573.6 | 0.0 | S |
| 98.725 | 0.0000 | 0.0000 | 72.426 | 0.08021 | 0.00000 | 789605.1 | 788575.9 | 0.0 | S |
| 98.733 | 0.0000 | 0.0000 | 72.425 | 0.08016 | 0.00000 | 789605.1 | 788578.4 | 0.0 | S |
| 98.742 | 0.0000 | 0.0000 | 72.424 | 0.08011 | 0.00000 | 789605.1 | 788580.8 | 0.0 | S |
| 98.750 | 0.0000 | 0.0000 | 72.423 | 0.08006 | 0.00000 | 789605.1 | 788583.2 | 0.0 | S |
| 98.758 | 0.0000 | 0.0000 | 72.422 | 0.08001 | 0.00000 | 789605.1 | 788585.6 | 0.0 | S |
| 98.767 | 0.0000 | 0.0000 | 72.421 | 0.07996 | 0.00000 | 789605.1 | 788587.9 | 0.0 | S |
| 98.775 | 0.0000 | 0.0000 | 72.420 | 0.07991 | 0.00000 | 789605.1 | 788590.4 | 0.0 | S |
| 98.783 | 0.0000 | 0.0000 | 72.419 | 0.07986 | 0.00000 | 789605.1 | 788592.8 | 0.0 | S |
| 98.792 | 0.0000 | 0.0000 | 72.418 | 0.07981 | 0.00000 | 789605.1 | 788595.1 | 0.0 | S |
| 98.800 | 0.0000 | 0.0000 | 72.417 | 0.07976 | 0.00000 | 789605.1 | 788597.6 | 0.0 | S |
| 98.808 | 0.0000 | 0.0000 | 72.417 | 0.07971 | 0.00000 | 789605.1 | 788599.9 | 0.0 | S |
| 98.817 | 0.0000 | 0.0000 | 72.416 | 0.07966 | 0.00000 | 789605.1 | 788602.3 | 0.0 | S |
| 98.825 | 0.0000 | 0.0000 | 72.415 | 0.07961 | 0.00000 | 789605.1 | 788604.7 | 0.0 | S |
| 98.833 | 0.0000 | 0.0000 | 72.414 | 0.07956 | 0.00000 | 789605.1 | 788607.1 | 0.0 | S |
| 98.842 | 0.0000 | 0.0000 | 72.413 | 0.07951 | 0.00000 | 789605.1 | 788609.5 | 0.0 | S |
| 98.850 | 0.0000 | 0.0000 | 72.412 | 0.07946 | 0.00000 | 789605.1 | 788611.9 | 0.0 | S |
| 98.858 | 0.0000 | 0.0000 | 72.411 | 0.07941 | 0.00000 | 789605.1 | 788614.3 | 0.0 | S |
| 98.867 | 0.0000 | 0.0000 | 72.410 | 0.07936 | 0.00000 | 789605.1 | 788616.6 | 0.0 | S |
| 98.875 | 0.0000 | 0.0000 | 72.409 | 0.07931 | 0.00000 | 789605.1 | 788619.0 | 0.0 | S |
| 98.883 | 0.0000 | 0.0000 | 72.408 | 0.07926 | 0.00000 | 789605.1 | 788621.4 | 0.0 | S |
| 98.892 | 0.0000 | 0.0000 | 72.408 | 0.07921 | 0.00000 | 789605.1 | 788623.8 | 0.0 | S |
| 98.900 | 0.0000 | 0.0000 | 72.407 | 0.07916 | 0.00000 | 789605.1 | 788626.1 | 0.0 | S |
| 98.908 | 0.0000 | 0.0000 | 72.406 | 0.07911 | 0.00000 | 789605.1 | 788628.5 | 0.0 | S |
| 98.917 | 0.0000 | 0.0000 | 72.405 | 0.07906 | 0.00000 | 789605.1 | 788630.9 | 0.0 | S |
| 98.925 | 0.0000 | 0.0000 | 72.404 | 0.07902 | 0.00000 | 789605.1 | 788633.3 | 0.0 | S |
| 98.933 | 0.0000 | 0.0000 | 72.403 | 0.07897 | 0.00000 | 789605.1 | 788635.6 | 0.0 | S |
| 98.942 | 0.0000 | 0.0000 | 72.402 | 0.07892 | 0.00000 | 789605.1 | 788638.0 | 0.0 | S |
| 98.950 | 0.0000 | 0.0000 | 72.401 | 0.07887 | 0.00000 | 789605.1 | 788640.4 | 0.0 | S |
| 98.958 | 0.0000 | 0.0000 | 72.400 | 0.07882 | 0.00000 | 789605.1 | 788642.8 | 0.0 | S |
| 98.967 | 0.0000 | 0.0000 | 72.400 | 0.07877 | 0.00000 | 789605.1 | 788645.1 | 0.0 | S |
| 98.975 | 0.0000 | 0.0000 | 72.399 | 0.07872 | 0.00000 | 789605.1 | 788647.4 | 0.0 | S |
| 98.983 | 0.0000 | 0.0000 | 72.398 | 0.07867 | 0.00000 | 789605.1 | 788649.8 | 0.0 | S |
| 98.992 | 0.0000 | 0.0000 | 72.397 | 0.07862 | 0.00000 | 789605.1 | 788652.2 | 0.0 | S |
| 99.000 | 0.0000 | 0.0000 | 72.396 | 0.07857 | 0.00000 | 789605.1 | 788654.6 | 0.0 | S |
| 99.008 | 0.0000 | 0.0000 | 72.395 | 0.07852 | 0.00000 | 789605.1 | 788656.9 | 0.0 | S |
| 99.017 | 0.0000 | 0.0000 | 72.394 | 0.07847 | 0.00000 | 789605.1 | 788659.3 | 0.0 | S |
| 99.025 | 0.0000 | 0.0000 | 72.393 | 0.07842 | 0.00000 | 789605.1 | 788661.6 | 0.0 | S |
| 99.033 | 0.0000 | 0.0000 | 72.392 | 0.07837 | 0.00000 | 789605.1 | 788663.9 | 0.0 | S |
| 99.042 | 0.0000 | 0.0000 | 72.391 | 0.07832 | 0.00000 | 789605.1 | 788666.3 | 0.0 | S |
| 99.050 | 0.0000 | 0.0000 | 72.391 | 0.07828 | 0.00000 | 789605.1 | 788668.7 | 0.0 | S |
| 99.058 | 0.0000 | 0.0000 | 72.390 | 0.07823 | 0.00000 | 789605.1 | 788671.0 | 0.0 | S |
| 99.067 | 0.0000 | 0.0000 | 72.389 | 0.07818 | 0.00000 | 789605.1 | 788673.4 | 0.0 | S |
| 99.075 | 0.0000 | 0.0000 | 72.388 | 0.07813 | 0.00000 | 789605.1 | 788675.7 | 0.0 | S |
| 99.083 | 0.0000 | 0.0000 | 72.387 | 0.07808 | 0.00000 | 789605.1 | 788678.1 | 0.0 | S |
| 99.092 | 0.0000 | 0.0000 | 72.386 | 0.07803 | 0.00000 | 789605.1 | 788680.4 | 0.0 | S |
| 99.100 | 0.0000 | 0.0000 | 72.385 | 0.07798 | 0.00000 | 789605.1 | 788682.8 | 0.0 | S |
| 99.108 | 0.0000 | 0.0000 | 72.384 | 0.07793 | 0.00000 | 789605.1 | 788685.1 | 0.0 | S |
| 99.117 | 0.0000 | 0.0000 | 72.383 | 0.07788 | 0.00000 | 789605.1 | 788687.4 | 0.0 | S |
| 99.125 | 0.0000 | 0.0000 | 72.383 | 0.07783 | 0.00000 | 789605.1 | 788689.8 | 0.0 | S |
| 99.133 | 0.0000 | 0.0000 | 72.382 | 0.07779 | 0.00000 | 789605.1 | 788692.1 | 0.0 | S |
| 99.142 | 0.0000 | 0.0000 | 72.381 | 0.07774 | 0.00000 | 789605.1 | 788694.4 | 0.0 | S |
| 99.150 | 0.0000 | 0.0000 | 72.380 | 0.07769 | 0.00000 | 789605.1 | 788696.8 | 0.0 | S |
| 99.158 | 0.0000 | 0.0000 | 72.379 | 0.07764 | 0.00000 | 789605.1 | 788699.1 | 0.0 | S |
| 99.167 | 0.0000 | 0.0000 | 72.378 | 0.07759 | 0.00000 | 789605.1 | 788701.4 | 0.0 | S |
| 99.175 | 0.0000 | 0.0000 | 72.377 | 0.07754 | 0.00000 | 789605.1 | 788703.7 | 0.0 | S |
| 99.183 | 0.0000 | 0.0000 | 72.376 | 0.07749 | 0.00000 | 789605.1 | 788706.1 | 0.0 | S |
| 99.192 | 0.0000 | 0.0000 | 72.375 | 0.07744 | 0.00000 | 789605.1 | 788708.4 | 0.0 | S |
| 99.200 | 0.0000 | 0.0000 | 72.375 | 0.07740 | 0.00000 | 789605.1 | 788710.7 | 0.0 | S |
| 99.208 | 0.0000 | 0.0000 | 72.374 | 0.07735 | 0.00000 | 789605.1 | 788713.0 | 0.0 | S |
| 99.217 | 0.0000 | 0.0000 | 72.373 | 0.07730 | 0.00000 | 789605.1 | 788715.3 | 0.0 | S |
| 99.225 | 0.0000 | 0.0000 | 72.372 | 0.07725 | 0.00000 | 789605.1 | 788717.6 | 0.0 | S |
| 99.233 | 0.0000 | 0.0000 | 72.371 | 0.07720 | 0.00000 | 789605.1 | 788719.9 | 0.0 | S |
| 99.242 | 0.0000 | 0.0000 | 72.370 | 0.07715 | 0.00000 | 789605.1 | 788722.3 | 0.0 | S |
| 99.250 | 0.0000 | 0.0000 | 72.369 | 0.07710 | 0.00000 | 789605.1 | 788724.6 | 0.0 | S |
| 99.258 | 0.0000 | 0.0000 | 72.368 | 0.07706 | 0.00000 | 789605.1 | 788726.9 | 0.0 | S |
| 99.267 | 0.0000 | 0.0000 | 72.367 | 0.07701 | 0.00000 | 789605.1 | 788729.3 | 0.0 | S |
| 99.275 | 0.0000 | 0.0000 | 72.367 | 0.07696 | 0.00000 | 789605.1 | 788731.5 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow <br> Rate <br> ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\left(f^{3}\right)$ | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 99.283 | 0.0000 | 0.0000 | 72.366 | 0.07691 | 0.00000 | 789605.1 | 788733.8 | 0.0 | S |
| 99.292 | 0.0000 | 0.0000 | 72.365 | 0.07686 | 0.00000 | 789605.1 | 788736.1 | 0.0 | S |
| 99.300 | 0.0000 | 0.0000 | 72.364 | 0.07681 | 0.00000 | 789605.1 | 788738.4 | 0.0 | S |
| 99.308 | 0.0000 | 0.0000 | 72.363 | 0.07677 | 0.00000 | 789605.1 | 788740.8 | 0.0 | S |
| 99.317 | 0.0000 | 0.0000 | 72.362 | 0.07672 | 0.00000 | 789605.1 | 788743.1 | 0.0 | S |
| 99.325 | 0.0000 | 0.0000 | 72.361 | 0.07667 | 0.00000 | 789605.1 | 788745.4 | 0.0 | S |
| 99.333 | 0.0000 | 0.0000 | 72.360 | 0.07662 | 0.00000 | 789605.1 | 788747.6 | 0.0 | S |
| 99.342 | 0.0000 | 0.0000 | 72.359 | 0.07657 | 0.00000 | 789605.1 | 788749.9 | 0.0 | S |
| 99.350 | 0.0000 | 0.0000 | 72.359 | 0.07653 | 0.00000 | 789605.1 | 788752.3 | 0.0 | S |
| 99.358 | 0.0000 | 0.0000 | 72.358 | 0.07648 | 0.00000 | 789605.1 | 788754.6 | 0.0 | S |
| 99.367 | 0,0000 | 0.0000 | 72.357 | 0.07643 | 0.00000 | 789605.1 | 788756.8 | 0.0 | S |
| 99.375 | 0.0000 | 0.0000 | 72.356 | 0.07638 | 0.00000 | 789605.1 | 788759.1 | 0.0 | S |
| 99.383 | 0.0000 | 0.0000 | 72.355 | 0.07633 | 0.00000 | 789605.1 | 788761.4 | 0.0 | S |
| 99.392 | 0.0000 | 0.0000 | 72.354 | 0.07629 | 0.00000 | 789605.1 | 788763.7 | 0.0 | S |
| 99.400 | 0.0000 | 0.0000 | 72.353 | 0.07624 | 0.00000 | 789605.1 | 788766.0 | 0.0 | S |
| 99.408 | 0.0000 | 0.0000 | 72.352 | 0.07619 | 0.00000 | 789605.1 | 788768.3 | 0.0 | S |
| 99.417 | 0.0000 | 0.0000 | 72.351 | 0.07614 | 0.00000 | 789605.1 | 788770.6 | 0.0 | S |
| 99.425 | 0.0000 | 0.0000 | 72.351 | 0.07609 | 0.00000 | 789605.1 | 788772.9 | 0.0 | S |
| 99.433 | 0.0000 | 0.0000 | 72.350 | 0.07605 | 0.00000 | 789605.1 | 788775.1 | 0.0 | S |
| 99.442 | 0.0000 | 0.0000 | 72.349 | 0.07600 | 0.00000 | 789605.1 | 788777.4 | 0.0 | S |
| 99.450 | 0.0000 | 0.0000 | 72.348 | 0.07595 | 0.00000 | 789605.1 | 788779.7 | 0.0 | S |
| 99.458 | 0.0000 | 0.0000 | 72.347 | 0.07590 | 0.00000 | 789605.1 | 788782.0 | 0.0 | S |
| 99.467 | 0.0000 | 0.0000 | 72.346 | 0.07585 | 0.00000 | 789605.1 | 788784.3 | 0.0 | S |
| 99.475 | 0.0000 | 0.0000 | 72.345 | 0.07581 | 0.00000 | 789605.1 | 788786.5 | 0.0 | S |
| 99.483 | 0.0000 | 0.0000 | 72.344 | 0.07576 | 0.00000 | 789605.1 | 788788.8 | 0.0 | S |
| 99.492 | 0.0000 | 0.0000 | 72.344 | 0.07571 | 0.00000 | 789605.1 | 788791.1 | 0.0 | S |
| 99.500 | 0.0000 | 0.0000 | 72.343 | 0.07566 | 0.00000 | 789605.1 | 788793.3 | 0.0 | S |
| 99.508 | 0.0000 | 0.0000 | 72.342 | 0.07562 | 0.00000 | 789605.1 | 788795.6 | 0.0 | S |
| 99.517 | 0.0000 | 0.0000 | 72.341 | 0.07557 | 0.00000 | 789605.1 | 788797.9 | 0.0 | S |
| 99.525 | 0.0000 | 0.0000 | 72.340 | 0.07552 | 0.00000 | 789605.1 | 788800.1 | 0.0 | S |
| 99.533 | 0.0000 | 0.0000 | 72.339 | 0.07547 | 0.00000 | 789605.1 | 788802.4 | 0.0 | S |
| 99.542 | 0.0000 | 0.0000 | 72.338 | 0.07543 | 0.00000 | 789605.1 | 788804.7 | 0.0 | S |
| 99.550 | 0.0000 | 0.0000 | 72.337 | 0.07538 | 0.00000 | 789605.1 | 788806.9 | 0.0 | S |
| 99.558 | 0.0000 | 0.0000 | 72.336 | 0.07533 | 0.00000 | 789605.1 | 788809.2 | 0.0 | S |
| 99.567 | 0.0000 | 0.0000 | 72.336 | 0.07528 | 0.00000 | 789605.1 | 788811.4 | 0.0 | S |
| 99.575 | 0.0000 | 0.0000 | 72.335 | 0.07524 | 0.00000 | 789605.1 | 788813.7 | 0.0 | S |
| 99.583 | 0.0000 | 0.0000 | 72.334 | 0.07519 | 0.00000 | 789605.1 | 788815.9 | 0.0 | S |
| 99.592 | 0.0000 | 0.0000 | 72.333 | 0.07514 | 0.00000 | 789605.1 | 788818.3 | 0.0 | S |
| 99.600 | 0.0000 | 0.0000 | 72.332 | 0.07510 | 0.00000 | 789605.1 | 788820.5 | 0.0 | S |
| 99.608 | 0.0000 | 0.0000 | 72.331 | 0.07505 | 0.00000 | 789605.1 | 788822.8 | 0.0 | S |
| 99.617 | 0.0000 | 0.0000 | 72.330 | 0.07500 | 0.00000 | 789605.1 | 788825.0 | 0.0 | S |
| 99.625 | 0.0000 | 0.0000 | 72.329 | 0.07495 | 0.00000 | 789605.1 | 788827.3 | 0.0 | S |
| 99.633 | 0.0000 | 0.0000 | 72.329 | 0.07491 | 0.00000 | 789605.1 | 788829.5 | 0.0 | S |
| 99.642 | 0.0000 | 0.0000 | 72.328 | 0.07486 | 0.00000 | 789605.1 | 788831.8 | 0.0 | S |
| 99.650 | 0.0000 | 0.0000 | 72.327 | 0.07481 | 0.00000 | 789605.1 | 788833.9 | 0.0 | S |
| 99.658 | 0.0000 | 0.0000 | 72.326 | 0.07476 | 0.00000 | 789605.1 | 788836.2 | 0.0 | S |
| 99.667 | 0.0000 | 0.0000 | 72.325 | 0.07472 | 0.00000 | 789605.1 | 788838.4 | 0.0 | S |
| 99.675 | 0.0000 | 0.0000 | 72.324 | 0.07467 | 0.00000 | 789605.1 | 788840.7 | 0.0 | S |
| 99.683 | 0.0000 | 0.0000 | 72.323 | 0.07462 | 0.00000 | 789605.1 | 788842.9 | 0.0 | S |
| 99.692 | 0.0000 | 0.0000 | 72.322 | 0.07458 | 0.00000 | 789605.1 | 788845.2 | 0.0 | S |
| 99.700 | 0.0000 | 0.0000 | 72.322 | 0.07453 | 0.00000 | 789605.1 | 788847.4 | 0.0 | S |
| 99.708 | 0.0000 | 0.0000 | 72.321 | 0.07448 | 0.00000 | 789605.1 | 788849.6 | 0.0 | S |
| 99.717 | 0.0000 | 0.0000 | 72.320 | 0.07444 | 0.00000 | 789605.1 | 788851.9 | 0.0 | S |
| 99.725 | 0.0000 | 0.0000 | 72.319 | 0.07439 | 0.00000 | 789605,1 | 788854.1 | 0.0 | S |
| 99.733 | 0.0000 | 0.0000 | 72.318 | 0.07434 | 0.00000 | 789605.1 | 788856.3 | 0.0 | S |
| 99.742 | 0.0000 | 0.0000 | 72.317 | 0.07430 | 0.00000 | 789605.1 | 788858.6 | 0.0 | S |
| 99.750 | 0.0000 | 0.0000 | 72.316 | 0.07425 | 0.00000 | 789605.1 | 788860.8 | 0.0 | S |
| 99.758 | 0.0000 | 0.0000 | 72.315 | 0.07420 | 0.00000 | 789605.1 | 788863.0 | 0.0 | S |
| 99.767 | 0.0000 | 0.0000 | 72.315 | 0.07416 | 0.00000 | 789605.1 | 788865.3 | 0.0 | S |
| 99.775 | 0.0000 | 0.0000 | 72.314 | 0.07411 | 0.00000 | 789605.1 | 788867.5 | 0.0 | S |
| 99.783 | 0.0000 | 0.0000 | 72.313 | 0.07406 | 0.00000 | 789605.1 | 788869.7 | 0.0 | S |
| 99.792 | 0.0000 | 0.0000 | 72.312 | 0.07402 | 0.00000 | 789605.1 | 788871.9 | 0.0 | S |
| 99.800 | 0.0000 | 0.0000 | 72.311 | 0.07397 | 0.00000 | 789605.1 | 788874.1 | 0.0 | S |
| 99.808 | 0.0000 | 0.0000 | 72.310 | 0.07392 | 0.00000 | 789605.1 | 788876.4 | 0.0 | S |
| 99.817 | 0.0000 | 0.0000 | 72.309 | 0.07388 | 0.00000 | 789605.1 | 788878.6 | 0.0 | S |
| 99.825 | 0.0000 | 0.0000 | 72.308 | 0.07383 | 0.00000 | 789605.1 | 788880.8 | 0.0 | S |
| 99.833 | 0.0000 | 0.0000 | 72.308 | 0.07378 | 0.00000 | 789605.1 | 788883.0 | 0.0 | S |
| 99.842 | 0.0000 | 0.0000 | 72.307 | 0.07374 | 0.00000 | 789605.1 | 788885.2 | 0.0 | S |
| 99.850 | 0.0000 | 0.0000 | 72.306 | 0.07369 | 0.00000 | 789605.1 | 788887.4 | 0.0 | S |
| 99.858 | 0.0000 | 0.0000 | 72.305 | 0.07364 | 0.00000 | 789605.1 | 788889.6 | 0.0 | S |
| 99.867 | 0.0000 | 0.0000 | 72.304 | 0.07360 | 0.00000 | 789605.1 | 788891.9 | 0.0 | S |
| 99.875 | 0.0000 | 0.0000 | 72.303 | 0.07355 | 0.00000 | 789605.1 | 788894.1 | 0.0 | S |
| 99.883 | 0.0000 | 0.0000 | 72.302 | 0.07350 | 0.00000 | 789605.1 | 788896.3 | 0.0 | S |
| 99.892 | 0.0000 | 0.0000 | 72.301 | 0.07346 | 0.00000 | 789605.1 | 788898.4 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}} \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate (ff ${ }^{3} / \mathrm{s}$ ) | Overliow Discharge ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{fl}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 99.900 | 0.0000 | 0.0000 | 72.301 | 0.07341 | 0.00000 | 789605.1 | 788900.7 | 0.0 | S |
| 99.908 | 0.0000 | 0.0000 | 72.300 | 0.07337 | 0.00000 | 789605.1 | 788902.9 | 0.0 | S |
| 99.917 | 0.0000 | 0.0000 | 72.299 | 0.07332 | 0.00000 | 789605.1 | 788905.1 | 0.0 | S |
| 99.925 | 0.0000 | 0.0000 | 72.298 | 0.07327 | 0.00000 | 789605.1 | 788907.3 | 0.0 | S |
| 99.933 | 0.0000 | 0.0000 | 72.297 | 0.07323 | 0.00000 | 789605.1 | 788909.4 | 0.0 | S |
| 99.942 | 0.0000 | 0.0000 | 72.296 | 0.07318 | 0.00000 | 789605.1 | 788911.7 | 0.0 | S |
| 99,950 | 0.0000 | 0.0000 | 72.295 | 0.07313 | 0.00000 | 789605.1 | 788913.9 | 0.0 | S |
| 99.958 | 0.0000 | 0.0000 | 72.294 | 0.07309 | 0.00000 | 789605.1 | 788916.1 | 0.0 | S |
| 99.967 | 0.0000 | 0.0000 | 72.294 | 0.07304 | 0.00000 | 789605.1 | 788918.3 | 0.0 | S |
| 99.975 | 0.0000 | 0.0000 | 72.293 | 0.07300 | 0.00000 | 789605.1 | 788920.4 | 0.0 | S |
| 99.983 | 0.0000 | 0.0000 | 72.292 | 0.07295 | 0,00000 | 789605.1 | 788922.6 | 0.0 | S |
| 99.992 | 0.0000 | 0.0000 | 72.291 | 0.07290 | 0.00000 | 789605.1 | 788924.8 | 0.0 | S |
| 100.000 | 0.0000 | 0.0000 | 72.290 | 0.07286 | 0.00000 | 789605.1 | 788927.0 | 0.0 | S |
| 100.008 | 0.0000 | 0.0000 | 72.289 | 0.07281 | 0.00000 | 789605.1 | 788929.2 | 0.0 | S |
| 100.017 | 0.0000 | 0.0000 | 72.288 | 0.07277 | 0.00000 | 789605.1 | 788931.4 | 0.0 | S |
| 100.025 | 0.0000 | 0.0000 | 72.287 | 0.07272 | 0.00000 | 789605.1 | 788933.6 | 0.0 | S |
| 100.033 | 0.0000 | 0.0000 | 72.287 | 0.07267 | 0.00000 | 789605.1 | 788935.8 | 0.0 | S |
| 100.042 | 0.0000 | 0.0000 | 72.286 | 0.07263 | 0.00000 | 789605.1 | 788937.9 | 0.0 | S |
| 100.050 | 0.0000 | 0.0000 | 72.285 | 0.07258 | 0.00000 | 789605.1 | 788940.1 | 0.0 | S |
| 100.058 | 0.0000 | 0.0000 | 72.284 | 0.07254 | 0.00000 | 789605.1 | 788942.3 | 0.0 | S |
| 100.067 | 0.0000 | 0.0000 | 72.283 | 0.07249 | 0.00000 | 789605.1 | 788944.4 | 0.0 | S |
| 100.075 | 0.0000 | 0.0000 | 72.282 | 0.07245 | 0.00000 | 789605.1 | 788946.6 | 0.0 | S |
| 100.083 | 0.0000 | 0.0000 | 72.281 | 0.07240 | 0.00000 | 789605.1 | 788948.8 | 0.0 | S |
| 100.092 | 0.0000 | 0.0000 | 72.280 | 0.07235 | 0.00000 | 789605.1 | 788950.9 | 0.0 | S |
| 100.100 | 0.0000 | 0.0000 | 72.280 | 0.07231 | 0.00000 | 789605.1 | 788953.1 | 0.0 | S |
| 100.108 | 0.0000 | 0.0000 | 72.279 | 0.07226 | 0.00000 | 789605.1 | 788955.3 | 0.0 | S |
| 100.117 | 0.0000 | 0.0000 | 72.278 | 0.07222 | 0.00000 | 789605.1 | 788957.4 | 0.0 | S |
| 100.125 | 0.0000 | 0.0000 | 72.277 | 0.07217 | 0.00000 | 789605.1 | 788959.6 | 0.0 | S |
| 100.133 | 0.0000 | 0.0000 | 72.276 | 0.07213 | 0.00000 | 789605.1 | 788961.8 | 0.0 | S |
| 100.142 | 0.0000 | 0.0000 | 72.275 | 0.07208 | 0.00000 | 789605.1 | 788963.9 | 0.0 | S |
| 100.150 | 0.0000 | 0.0000 | 72.274 | 0.07204 | 0.00000 | 789605.1 | 788966.1 | 0.0 | S |
| 100.158 | 0.0000 | 0.0000 | 72.274 | 0.07199 | 0.00000 | 789605.1 | 788968.3 | 0.0 | S |
| 100.167 | 0.0000 | 0.0000 | 72.273 | 0.07194 | 0.00000 | 789605.1 | 788970.4 | 0.0 | S |
| 100.175 | 0.0000 | 0.0000 | 72.272 | 0.07190 | 0.00000 | 789605.1 | 788972.6 | 0.0 | S |
| 100.183 | 0.0000 | 0.0000 | 72.271 | 0.07185 | 0.00000 | 789605.1 | 788974.8 | 0.0 | S |
| 100.192 | 0.0000 | 0.0000 | 72.270 | 0.07181 | 0.00000 | 789605.1 | 788976.9 | 0.0 | S |
| 100.200 | 0.0000 | 0.0000 | 72.269 | 0.07176 | 0.00000 | 789605.1 | 788979.1 | 0.0 | S |
| 100.208 | 0.0000 | 0.0000 | 72.268 | 0.07172 | 0.00000 | 789605.1 | 788981.2 | 0.0 | S |
| 100.217 | 0.0000 | 0.0000 | 72.267 | 0.07167 | 0.00000 | 789605.1 | 788983.4 | 0.0 | S |
| 100.225 | 0.0000 | 0.0000 | 72.267 | 0.07163 | 0.00000 | 789605.1 | 788985.5 | 0.0 | S |
| 100.233 | 0.0000 | 0.0000 | 72.266 | 0.07158 | 0.00000 | 789605.1 | 788987.7 | 0.0 | S |
| 100.242 | 0.0000 | 0.0000 | 72.265 | 0.07154 | 0.00000 | 789605.1 | 788989.8 | 0.0 | S |
| 100.250 | 0.0000 | 0.0000 | 72.264 | 0.07149 | 0.00000 | 789605.1 | 788991.9 | 0.0 | S |
| 100.258 | 0.0000 | 0.0000 | 72.263 | 0.07145 | 0.00000 | 789605.1 | 788994.1 | 0.0 | S |
| 100.267 | 0.0000 | 0.0000 | 72.262 | 0.07140 | 0.00000 | 789605.1 | 788996.3 | 0.0 | S |
| 100.275 | 0.0000 | 0.0000 | 72.261 | 0.07136 | 0.00000 | 789605.1 | 788998.4 | 0.0 | S |
| 100.283 | 0.0000 | 0.0000 | 72.261 | 0.07131 | 0.00000 | 789605.1 | 789000.5 | 0.0 | S |
| 100.292 | 0.0000 | 0.0000 | 72.260 | 0.07127 | 0.00000 | 789605.1 | 789002.7 | 0.0 | S |
| 100.300 | 0.0000 | 0.0000 | 72.259 | 0.07122 | 0.00000 | 789605.1 | 789004.8 | 0.0 | S |
| 100.308 | 0.0000 | 0.0000 | 72.258 | 0.07118 | 0.00000 | 789605.1 | 789006.9 | 0.0 | S |
| 100.317 | 0.0000 | 0.0000 | 72.257 | 0.07113 | 0.00000 | 789605.1 | 789009.1 | 0.0 | S |
| 100.325 | 0.0000 | 0.0000 | 72.256 | 0.07109 | 0.00000 | 789605.1 | 789011.2 | 0.0 | S |
| 100.333 | 0.0000 | 0.0000 | 72.255 | 0.07104 | 0.00000 | 789605.1 | 789013.3 | 0.0 | S |
| 100.342 | 0.0000 | 0.0000 | 72.255 | 0.07100 | 0.00000 | 789605.1 | 789015.4 | 0.0 | S |
| 100.350 | 0.0000 | 0.0000 | 72.254 | 0.07095 | 0.00000 | 789605.1 | 789017.6 | 0.0 | S |
| 100.358 | 0.0000 | 0.0000 | 72.253 | 0.07091 | 0.00000 | 789605.1 | 789019.7 | 0.0 | S |
| 100.367 | 0.0000 | 0.0000 | 72.252 | 0.07086 | 0.00000 | 789605.1 | 789021.9 | 0.0 | S |
| 100.375 | 0.0000 | 0.0000 | 72.251 | 0.07082 | 0.00000 | 789605.1 | 789024.0 | 0.0 | S |
| 100.383 | 0.0000 | 0.0000 | 72.250 | 0.07077 | 0.00000 | 789605.1 | 789026.1 | 0.0 | S |
| 100,392 | 0.0000 | 0.0000 | 72.249 | 0.07073 | 0.00000 | 789605.1 | 789028.2 | 0.0 | S |
| 100.400 | 0.0000 | 0.0000 | 72.248 | 0.07068 | 0.00000 | 789605.1 | 789030.3 | 0.0 | S |
| 100.408 | 0.0000 | 0.0000 | 72.248 | 0.07064 | 0.00000 | 789605.1 | 789032.4 | 0.0 | S |
| 100.417 | 0.0000 | 0.0000 | 72.247 | 0.07059 | 0.00000 | 789605.1 | 789034.6 | 0.0 | S |
| 100.425 | 0.0000 | 0.0000 | 72.246 | 0.07055 | 0.00000 | 789605.1 | 789036.7 | 0.0 | S |
| 100.433 | 0.0000 | 0.0000 | 72.245 | 0.07050 | 0.00000 | 789605.1 | 789038.8 | 0.0 | S |
| 100.442 | 0.0000 | 0.0000 | 72.244 | 0.07046 | 0.00000 | 789605.1 | 789040.9 | 0.0 | S |
| 100.450 | 0.0000 | 0.0000 | 72.243 | 0.07042 | 0.00000 | 789605.1 | 789043.1 | 0.0 | S |
| 100.458 | 0.0000 | 0.0000 | 72.242 | 0.07037 | 0.00000 | 789605.1 | 789045.1 | 0.0 | S |
| 100.467 | 0.0000 | 0.0000 | 72.242 | 0.07033 | 0.00000 | 789605.1 | 789047.3 | 0.0 | S |
| 100.475 | 0.0000 | 0.0000 | 72.241 | 0.07028 | 0.00000 | 789605.1 | 789049.4 | 0.0 | S |
| 100.483 | 0.0000 | 0.0000 | 72.240 | 0.07024 | 0.00000 | 789605.1 | 789051.5 | 0.0 | S |
| 100.492 | 0.0000 | 0.0000 | 72.239 | 0.07019 | 0.00000 | 789605.1 | 789053.6 | 0.0 | S |
| 100.500 | 0.0000 | 0.0000 | 72.238 | 0.07015 | 0.00000 | 789605.1 | 789055.7 | 0.0 | S |
| 100.508 | 0.0000 | 0.0000 | 72.237 | 0.07010 | 0.00000 | 789605.1 | 789057.8 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate (filis) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate (fis ${ }^{3}$ ) | Overliow <br> Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infititration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 100.517 | 0.0000 | 0.0000 | 72.236 | 0.07006 | 0.00000 | 789605.1 | 789059.9 | 0.0 | S |
| 100.525 | 0.0000 | 0.0000 | 72.236 | 0.07002 | 0.00000 | 789605.1 | 789062.0 | 0.0 | S |
| 100.533 | 0.0000 | 0.0000 | 72.235 | 0.06997 | 0.00000 | 789605.1 | 789064.1 | 0.0 | S |
| 100.542 | 0.0000 | 0.0000 | 72.234 | 0.06993 | 0.00000 | 789605.1 | 789066.2 | 0.0 | S |
| 100.550 | 0.0000 | 0.0000 | 72.233 | 0.06988 | 0.00000 | 789605.1 | 789068.3 | 0.0 | S |
| 100.558 | 0.0000 | 0.0000 | 72.232 | 0.06984 | 0.00000 | 789605.1 | 789070.4 | 0.0 | S |
| 100.567 | 0.0000 | 0.0000 | 72.231 | 0.06979 | 0.00000 | 789605.1 | 789072.5 | 0.0 | S |
| 100.575 | 0.0000 | 0.0000 | 72.230 | 0.06975 | 0.00000 | 789605.1 | 789074.6 | 0.0 | S |
| 100.583 | 0.0000 | 0.0000 | 72.230 | 0.06971 | 0.00000 | 789605.1 | 789076.7 | 0.0 | S |
| 100.592 | 0.0000 | 0.0000 | 72.229 | 0.06966 | 0.00000 | 789605.1 | 789078.8 | 0.0 | S |
| 100.600 | 0.0000 | 0.0000 | 72.228 | 0.06962 | 0.00000 | 789605.1 | 789080.9 | 0.0 | S |
| 100.608 | 0.0000 | 0.0000 | 72.227 | 0.06957 | 0.00000 | 789605.1 | 789082.9 | 0.0 | S |
| 100.617 | 0.0000 | 0.0000 | 72.226 | 0.06953 | 0.00000 | 789605.1 | 789085.0 | 0.0 | S |
| 100.625 | 0.0000 | 0.0000 | 72.225 | 0.06949 | 0.00000 | 789605.1 | 789087.1 | 0.0 | S |
| 100.633 | 0.0000 | 0.0000 | 72.224 | 0.06944 | 0.00000 | 789605.1 | 789089.2 | 0.0 | S |
| 100.642 | 0.0000 | 0.0000 | 72.224 | 0.06940 | 0.00000 | 789605.1 | 789091.3 | 0.0 | S |
| 100.650 | 0.0000 | 0.0000 | 72.223 | 0.06935 | 0.00000 | 789605.1 | 789093.4 | 0.0 | S |
| 100.658 | 0.0000 | 0.0000 | 72.222 | 0.06931 | 0.00000 | 789605.1 | 789095.4 | 0.0 | S |
| 100.667 | 0.0000 | 0.0000 | 72.221 | 0.06927 | 0.00000 | 789605.1 | 789097.5 | 0.0 | S |
| 100.675 | 0.0000 | 0.0000 | 72.220 | 0.06922 | 0.00000 | 789605.1 | 789099.6 | 0.0 | S |
| 100.683 | 0.0000 | 0.0000 | 72.219 | 0.06918 | 0.00000 | 789605.1 | 789101.7 | 0.0 | S |
| 100.692 | 0.0000 | 0.0000 | 72.218 | 0.06913 | 0.00000 | 789605.1 | 789103.8 | 0.0 | S |
| 100.700 | 0.0000 | 0.0000 | 72.218 | 0.06909 | 0.00000 | 789605.1 | 789105.8 | 0.0 | S |
| 100.708 | 0.0000 | 0.0000 | 72.217 | 0.06905 | 0.00000 | 789605.1 | 789107.9 | 0.0 | S |
| 100.717 | 0.0000 | 0.0000 | 72.216 | 0.06900 | 0.00000 | 789605.1 | 789109.9 | 0.0 | S |
| 100.725 | 0.0000 | 0.0000 | 72.215 | 0.06896 | 0.00000 | 789605.1 | 789112.0 | 0.0 | S |
| 100.733 | 0.0000 | 0.0000 | 72.214 | 0.06891 | 0.00000 | 789605.1 | 789114.1 | 0.0 | S |
| 100.742 | 0.0000 | 0.0000 | 72.213 | 0.06887 | 0.00000 | 789605.1 | 789116.2 | 0.0 | S |
| 100.750 | 0.0000 | 0.0000 | 72.212 | 0.06883 | 0.00000 | 789605.1 | 789118.3 | 0.0 | S |
| 100.758 | 0.0000 | 0.0000 | 72.212 | 0.06878 | 0.00000 | 789605.1 | 789120.3 | 0.0 | S |
| 100.767 | 0.0000 | 0.0000 | 72.211 | 0.06874 | 0.00000 | 789605.1 | 789122.4 | 0.0 | S |
| 100.775 | 0.0000 | 0.0000 | 72.210 | 0.06870 | 0.00000 | 789605.1 | 789124.4 | 0.0 | S |
| 100.783 | 0.0000 | 0.0000 | 72.209 | 0.06865 | 0.00000 | 789605.1 | 789126.5 | 0.0 | S |
| 100.792 | 0.0000 | 0.0000 | 72.208 | 0.06861 | 0.00000 | 789605.1 | 789128.6 | 0.0 | S |
| 100.800 | 0.0000 | 0.0000 | 72.207 | 0.06857 | 0.00000 | 789605.1 | 789130.6 | 0.0 | S |
| 100.808 | 0.0000 | 0.0000 | 72.206 | 0.06852 | 0.00000 | 789605.1 | 789132.6 | 0.0 | S |
| 100.817 | 0.0000 | 0.0000 | 72.206 | 0.06848 | 0.00000 | 789605.1 | 789134.7 | 0.0 | S |
| 100.825 | 0.0000 | 0.0000 | 72.205 | 0.06844 | 0.00000 | 789605.1 | 789136.8 | 0.0 | S |
| 100.833 | 0.0000 | 0.0000 | 72.204 | 0.06839 | 0.00000 | 789605.1 | 789138.8 | 0.0 | S |
| 100.842 | 0.0000 | 0.0000 | 72.203 | 0.06835 | 0.00000 | 789605.1 | 789140.9 | 0.0 | S |
| 100.850 | 0.0000 | 0.0000 | 72.202 | 0.06831 | 0.00000 | 789605.1 | 789142.9 | 0.0 | S |
| 100.858 | 0.0000 | 0.0000 | 72.201 | 0.06826 | 0.00000 | 789605.1 | 789144.9 | 0.0 | S |
| 100.867 | 0.0000 | 0.0000 | 72.201 | 0.06822 | 0.00000 | 789605.1 | 789147.0 | 0.0 | S |
| 100.875 | 0.0000 | 0.0000 | 72.200 | 0.06818 | 0.00000 | 789605.1 | 789149.1 | 0.0 | S |
| 100.883 | 0.0000 | 0.0000 | 72.199 | 0.06813 | 0.00000 | 789605.1 | 789151.1 | 0.0 | S |
| 100.892 | 0.0000 | 0.0000 | 72.198 | 0.06809 | 0.00000 | 789605.1 | 789153.1 | 0.0 | S |
| 100.900 | 0.0000 | 0.0000 | 72.197 | 0.06805 | 0.00000 | 789605.1 | 789155.2 | 0.0 | S |
| 100.908 | 0.0000 | 0.0000 | 72.196 | 0.06800 | 0.00000 | 789605.1 | 789157.3 | 0.0 | S |
| 100.917 | 0.0000 | 0.0000 | 72.195 | 0.06796 | 0.00000 | 789605.1 | 789159.3 | 0.0 | S |
| 100.925 | 0.0000 | 0.0000 | 72.195 | 0.06792 | 0.00000 | 789605.1 | 789161.3 | 0.0 | S |
| 100.933 | 0.0000 | 0.0000 | 72.194 | 0.06787 | 0.00000 | 789605.1 | 789163.3 | 0.0 | S |
| 100.942 | 0.0000 | 0.0000 | 72.193 | 0.06783 | 0.00000 | 789605.1 | 789165.4 | 0.0 | S |
| 100.950 | 0.0000 | 0.0000 | 72.192 | 0.06779 | 0.00000 | 789605.1 | 789167.4 | 0.0 | S |
| 100.958 | 0.0000 | 0.0000 | 72.191 | 0.06774 | 0.00000 | 789605.1 | 789169.4 | 0.0 | S |
| 100.967 | 0.0000 | 0.0000 | 72.190 | 0.06770 | 0.00000 | 789605.1 | 789171.5 | 0.0 | S |
| 100.975 | 0.0000 | 0.0000 | 72.189 | 0.06766 | 0.00000 | 789605.1 | 789173.5 | 0.0 | S |
| 100.983 | 0.0000 | 0.0000 | 72.189 | 0.06762 | 0.00000 | 789605.1 | 789175.5 | 0.0 | S |
| 100.992 | 0.0000 | 0.0000 | 72.188 | 0.06757 | 0.00000 | 789605.1 | 789177.6 | 0.0 | S |
| 101.000 | 0.0000 | 0.0000 | 72.187 | 0.06753 | 0.00000 | 789605.1 | 789179.6 | 0.0 | S |
| 101.008 | 0.0000 | 0.0000 | 72.186 | 0.06749 | 0.00000 | 789605.1 | 789181.6 | 0.0 | S |
| 101.017 | 0.0000 | 0.0000 | 72.185 | 0.06744 | 0.00000 | 789605.1 | 789183.6 | 0.0 | S |
| 101.025 | 0.0000 | 0.0000 | 72.184 | 0.06740 | 0.00000 | 789605.1 | 789185.6 | 0.0 | S |
| 101.033 | 0.0000 | 0.0000 | 72.184 | 0.06736 | 0.00000 | 789605.1 | 789187.7 | 0.0 | S |
| 101.042 | 0.0000 | 0.0000 | 72.183 | 0.06731 | 0.00000 | 789605.1 | 789189.7 | 0.0 | S |
| 101.050 | 0.0000 | 0.0000 | 72.182 | 0.06727 | 0.00000 | 789605.1 | 789191.7 | 0.0 | S |
| 101.058 | 0.0000 | 0.0000 | 72.181 | 0.06723 | 0.00000 | 789605.1 | 789193.8 | 0.0 | S |
| 101.067 | 0.0000 | 0.0000 | 72.180 | 0.06719 | 0.00000 | 789605.1 | 789195.8 | 0.0 | S |
| 101.075 | 0.0000 | 0.0000 | 72.179 | 0.06714 | 0.00000 | 789605.1 | 789197.8 | 0.0 | S |
| 101.083 | 0.0000 | 0.0000 | 72.178 | 0.06710 | 0.00000 | 789605.1 | 789199.8 | 0.0 | S |
| 101.092 | 0.0000 | 0.0000 | 72.178 | 0.06706 | 0.00000 | 789605.1 | 789201.8 | 0.0 | S |
| 101.100 | 0.0000 | 0.0000 | 72.177 | 0.06702 | 0.00000 | 789605.1 | 789203.8 | 0.0 | S |
| 101.108 | 0.0000 | 0.0000 | 72.176 | 0.06697 | 0.00000 | 789605.1 | 789205.8 | 0.0 | S |
| 101.117 | 0.0000 | 0.0000 | 72.175 | 0.06693 | 0.00000 | 789605.1 | 789207.8 | 0.0 | S |
| 101.125 | 0.0000 | 0.0000 | 72.174 | 0.06689 | 0.00000 | 789605.1 | 789209.8 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method

Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{n}^{3 / \mathrm{s}}$ ) | Outside Recharge (f/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Infiow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 101.133 | 0.0000 | 0.0000 | 72.173 | 0.06685 | 0.00000 | 789605.1 | 789211.8 | 0.0 | S |
| 101.142 | 0.0000 | 0.0000 | 72.173 | 0.06680 | 0.00000 | 789605.1 | 789213.8 | 0.0 | S |
| 101.150 | 0.0000 | 0.0000 | 72.172 | 0.06676 | 0.00000 | 789605.1 | 789215.8 | 0.0 | S |
| 101.158 | 0.0000 | 0.0000 | 72.171 | 0.06672 | 0.00000 | 789605.1 | 789217.8 | 0.0 | S |
| 101.167 | 0.0000 | 0.0000 | 72.170 | 0.06668 | 0.00000 | 789605.1 | 789219.9 | 0.0 | S |
| 101.175 | 0.0000 | 0.0000 | 72.169 | 0.06663 | 0.00000 | 789605.1 | 789221.9 | 0.0 | S |
| 101.183 | 0.0000 | 0.0000 | 72.168 | 0.06659 | 0.00000 | 789605.1 | 789223.8 | 0.0 | S |
| 101.192 | 0.0000 | 0.0000 | 72.167 | 0.06655 | 0.00000 | 789605.1 | 789225.8 | 0.0 | S |
| 101.200 | 0.0000 | 0.0000 | 72.167 | 0.06651 | 0.00000 | 789605.1 | 789227.8 | 0.0 | S |
| 101.208 | 0.0000 | 0.0000 | 72.166 | 0.06646 | 0.00000 | 789605.1 | 789229.8 | 0.0 | S |
| 101.217 | 0.0000 | 0.0000 | 72.165 | 0.06642 | 0.00000 | 789605.1 | 789231.8 | 0.0 | S |
| 101.225 | 0.0000 | 0.0000 | 72.164 | 0.06638 | 0.00000 | 789605.1 | 789233.8 | 0.0 | S |
| 101.233 | 0.0000 | 0.0000 | 72.163 | 0.06634 | 0.00000 | 789605.1 | 789235.8 | 0.0 | S |
| 101.242 | 0.0000 | 0.0000 | 72.162 | 0.06629 | 0.00000 | 789605.1 | 789237.8 | 0.0 | S |
| 101.250 | 0.0000 | 0.0000 | 72.162 | 0.06625 | 0.00000 | 789605.1 | 789239.8 | 0.0 | S |
| 101.258 | 0.0000 | 0.0000 | 72.161 | 0.06621 | 0.00000 | 789605.1 | 789241.8 | 0.0 | S |
| 101.267 | 0.0000 | 0.0000 | 72.160 | 0.06617 | 0.00000 | 789605.1 | 789243.8 | 0.0 | S |
| 101.275 | 0.0000 | 0.0000 | 72.159 | 0.06613 | 0.00000 | 789605.1 | 789245.8 | 0.0 | S |
| 101.283 | 0.0000 | 0.0000 | 72.158 | 0.06608 | 0.00000 | 789605.1 | 789247.8 | 0.0 | S |
| 101.292 | 0.0000 | 0.0000 | 72.157 | 0.06604 | 0.00000 | 789605.1 | 789249.7 | 0.0 | S |
| 101.300 | 0.0000 | 0.0000 | 72.156 | 0.06600 | 0.00000 | 789605.1 | 789251.7 | 0.0 | S |
| 101.308 | 0.0000 | 0.0000 | 72.156 | 0.06596 | 0.00000 | 789605.1 | 789253.7 | 0.0 | S |
| 101.317 | 0.0000 | 0.0000 | 72.155 | 0.06592 | 0.00000 | 789605.1 | 789255.6 | 0.0 | S |
| 101.325 | 0.0000 | 0.0000 | 72.154 | 0.06587 | 0.00000 | 789605.1 | 789257.6 | 0.0 | S |
| 101.333 | 0.0000 | 0.0000 | 72.153 | 0.06583 | 0.00000 | 789605.1 | 789259.6 | 0.0 | S |
| 101.342 | 0.0000 | 0.0000 | 72.152 | 0.06579 | 0.00000 | 789605.1 | 789261.6 | 0.0 | S |
| 101.350 | 0.0000 | 0.0000 | 72.151 | 0.06575 | 0.00000 | 789605.1 | 789263.6 | 0.0 | S |
| 101.358 | 0.0000 | 0.0000 | 72.151 | 0.06571 | 0.00000 | 789605.1 | 789265.5 | 0.0 | S |
| 101.367 | 0.0000 | 0.0000 | 72.150 | 0.06566 | 0.00000 | 789605.1 | 789267.5 | 0.0 | S |
| 101.375 | 0.0000 | 0.0000 | 72.149 | 0.06562 | 0.00000 | 789605.1 | 789269.4 | 0.0 | S |
| 101.383 | 0.0000 | 0.0000 | 72.148 | 0.06558 | 0.00000 | 789605.1 | 789271.4 | 0.0 | S |
| 101.392 | 0.0000 | 0.0000 | 72.147 | 0.06554 | 0.00000 | 789605.1 | 789273.4 | 0.0 | S |
| 101.400 | 0.0000 | 0.0000 | 72.146 | 0.06550 | 0.00000 | 789605.1 | 789275.4 | 0.0 | S |
| 101.408 | 0.0000 | 0.0000 | 72.146 | 0.06545 | 0.00000 | 789605.1 | 789277.3 | 0.0 | S |
| 101.417 | 0.0000 | 0.0000 | 72.145 | 0.06541 | 0.00000 | 789605.1 | 789279.3 | 0.0 | S |
| 101.425 | 0.0000 | 0.0000 | 72.144 | 0.06537 | 0.00000 | 789605.1 | 789281.3 | 0.0 | S |
| 101.433 | 0.0000 | 0.0000 | 72.143 | 0.06533 | 0.00000 | 789605.1 | 789283.2 | 0.0 | S |
| 101.442 | 0.0000 | 0.0000 | 72.142 | 0.06529 | 0.00000 | 789605.1 | 789285.2 | 0.0 | S |
| 101.450 | 0.0000 | 0.0000 | 72.141 | 0.06525 | 0.00000 | 789605.1 | 789287.1 | 0.0 | S |
| 101.458 | 0.0000 | 0.0000 | 72.141 | 0.06520 | 0.00000 | 789605.1 | 789289.1 | 0.0 | S |
| 101.467 | 0.0000 | 0.0000 | 72.140 | 0.06516 | 0.00000 | 789605.1 | 789291.1 | 0.0 | S |
| 101.475 | 0.0000 | 0.0000 | 72.139 | 0.06512 | 0.00000 | 789605.1 | 789293.0 | 0.0 | S |
| 101.483 | 0.0000 | 0.0000 | 72.138 | 0.06508 | 0.00000 | 789605.1 | 789294.9 | 0.0 | S |
| 101.492 | 0.0000 | 0.0000 | 72.137 | 0.06504 | 0.00000 | 789605.1 | 789296.9 | 0.0 | S |
| 101.500 | 0.0000 | 0.0000 | 72.136 | 0.06500 | 0.00000 | 789605.1 | 789298.9 | 0.0 | S |
| 101.508 | 0.0000 | 0.0000 | 72.135 | 0.06496 | 0.00000 | 789605.7 | 789300.8 | 0.0 | S |
| 101.517 | 0.0000 | 0.0000 | 72.135 | 0.06491 | 0.00000 | 789605.1 | 789302.8 | 0.0 | S |
| 101.525 | 0.0000 | 0.0000 | 72.134 | 0.06487 | 0.00000 | 789605.1 | 789304.7 | 0.0 | S |
| 101.533 | 0.0000 | 0.0000 | 72.133 | 0.06483 | 0.00000 | 789605.1 | 789306.6 | 0.0 | S |
| 101.542 | 0.0000 | 0.0000 | 72.132 | 0.06479 | 0.00000 | 789605.1 | 789308.6 | 0.0 | S |
| 101.550 | 0.0000 | 0.0000 | 72.131 | 0.06475 | 0.00000 | 789605.1 | 789310.5 | 0.0 | S |
| 101.558 | 0.0000 | 0.0000 | 72.130 | 0.06471 | 0.00000 | 789605.1 | 789312.4 | 0.0 | S |
| 101.567 | 0.0000 | 0.0000 | 72.130 | 0.06467 | 0.00000 | 789605.1 | 789314.4 | 0.0 | S |
| 101.575 | 0.0000 | 0.0000 | 72.129 | 0.06462 | 0.00000 | 789605.1 | 789316.3 | 0.0 | S |
| 101.583 | 0.0000 | 0.0000 | 72.128 | 0.06458 | 0.00000 | 789605.1 | 789318.3 | 0.0 | S |
| 101.592 | 0.0000 | 0.0000 | 72.127 | 0.06454 | 0.00000 | 789605.1 | 789320.2 | 0.0 | S |
| 101.600 | 0.0000 | 0.0000 | 72.126 | 0.06450 | 0.00000 | 789605.1 | 789322.1 | 0.0 | S |
| 101.608 | 0.0000 | 0.0000 | 72.125 | 0.06446 | 0.00000 | 789605.1 | 789324.1 | 0.0 | S |
| 101.617 | 0.0000 | 0.0000 | 72.125 | 0.06442 | 0.00000 | 789605.1 | 789326.0 | 0.0 | S |
| 101.625 | 0.0000 | 0.0000 | 72.124 | 0.06438 | 0.00000 | 789605.1 | 789327.9 | 0.0 | S |
| 101.633 | 0.0000 | 0.0000 | 72.123 | 0.06434 | 0.00000 | 789605.1 | 789329.9 | 0.0 | S |
| 101.642 | 0.0000 | 0.0000 | 72.122 | 0.06429 | 0.00000 | 789605.1 | 789331.8 | 0.0 | S |
| 101.650 | 0.0000 | 0.0000 | 72.121 | 0.06425 | 0.00000 | 789605.1 | 789333.8 | 0.0 | S |
| 101.658 | 0.0000 | 0.0000 | 72.120 | 0.06421 | 0.00000 | 789605.1 | 789335.7 | 0.0 | S |
| 101.667 | 0.0000 | 0.0000 | 72.120 | 0.06417 | 0.00000 | 789605.1 | 789337.6 | 0.0 | S |
| 101.675 | 0.0000 | 0.0000 | 72.119 | 0.06413 | 0.00000 | 789605.1 | 789339.5 | 0.0 | S |
| 101.683 | 0.0000 | 0.0000 | 72.118 | 0.06409 | 0.00000 | 789605.1 | 789341.4 | 0.0 | S |
| 101.692 | 0.0000 | 0.0000 | 72.117 | 0.06405 | 0.00000 | 789605.1 | 789343.4 | 0.0 | S |
| 101.700 | 0.0000 | 0.0000 | 72.116 | 0.06401 | 0.00000 | 789605.1 | 789345.3 | 0.0 | S |
| 101.708 | 0.0000 | 0.0000 | 72.115 | 0.06397 | 0.00000 | 789605.1 | 789347.2 | 0.0 | S |
| 101.717 | 0.0000 | 0.0000 | 72.115 | 0.06393 | 0.00000 | 789605.1 | 789349.1 | 0.0 | S |
| 101.725 | 0.0000 | 0.0000 | 72.114 | 0.06388 | 0.00000 | 789605.1 | 789351.1 | 0.0 | S |
| 101.733 | 0.0000 | 0.0000 | 72.113 | 0.06384 | 0.00000 | 789605.1 | 789352.9 | 0.0 | S |
| 101.742 | 0.0000 | 0.0000 | 72.112 | 0.06380 | 0.00000 | 789605.1 | 789354.9 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate $\left(\mathrm{ft}^{3 / 3}\right)$ | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Voiume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 101.750 | 0.0000 | 0.0000 | 72.111 | 0.06376 | 0.00000 | 789605.1 | 789356.8 | 0.0 | S |
| 101.758 | 0.0000 | 0.0000 | 72.110 | 0.06372 | 0.00000 | 789605.1 | 789358.7 | 0.0 | S |
| 101.767 | 0.0000 | 0.0000 | 72.110 | 0.06368 | 0.00000 | 789605.1 | 789360.6 | 0.0 | S |
| 101.775 | 0.0000 | 0.0000 | 72.109 | 0.06364 | 0.00000 | 789605.1 | 789362.5 | 0.0 | S |
| 101.783 | 0.0000 | 0.0000 | 72.108 | 0.06360 | 0.00000 | 789605.1 | 789364.4 | 0.0 | S |
| 101.792 | 0.0000 | 0.0000 | 72.107 | 0.06356 | 0.00000 | 789605.1 | 789366.3 | 0.0 | S |
| 101.800 | 0.0000 | 0.0000 | 72,106 | 0.06352 | 0.00000 | 789605.1 | 789368.3 | 0.0 | S |
| 101.808 | 0.0000 | 0.0000 | 72,105 | 0.06348 | 0.00000 | 789605.1 | 789370.1 | 0.0 | S |
| 101.817 | 0.0000 | 0.0000 | 72.105 | 0.06344 | 0.00000 | 789605.1 | 789372.1 | 0.0 | S |
| 101.825 | 0.0000 | 0.0000 | 72.104 | 0.06340 | 0.00000 | 789605.1 | 789373.9 | 0.0 | S |
| 101.833 | 0.0000 | 0.0000 | 72.103 | 0.06336 | 0.00000 | 789605.1 | 789375.9 | 0.0 | S |
| 101.842 | 0.0000 | 0.0000 | 72.102 | 0.06331 | 0.00000 | 789605.1 | 789377.8 | 0.0 | S |
| 101.850 | 0.0000 | 0.0000 | 72.101 | 0.06327 | 0.00000 | 789605.1 | 789379.6 | 0.0 | S |
| 101.858 | 0.0000 | 0.0000 | 72.100 | 0.06323 | 0.00000 | 789605.1 | 789381.6 | 0.0 | S |
| 101.867 | 0.0000 | 0.0000 | 72.100 | 0.06319 | 0.00000 | 789605.1 | 789383.4 | 0.0 | S |
| 101.875 | 0.0000 | 0.0000 | 72.099 | 0.06315 | 0.00000 | 789605.1 | 789385.3 | 0.0 | S |
| 101.883 | 0.0000 | 0.0000 | 72.098 | 0.06311 | 0.00000 | 789605.1 | 789387.3 | 0.0 | S |
| 101.892 | 0.0000 | 0.0000 | 72.097 | 0.06307 | 0.00000 | 789605.1 | 789389.1 | 0.0 | S |
| 101.900 | 0.0000 | 0.0000 | 72.096 | 0.06303 | 0.00000 | 789605.1 | 789391.0 | 0.0 | S |
| 101.908 | 0.0000 | 0.0000 | 72.095 | 0.06299 | 0.00000 | 789605.1 | 789392.9 | 0.0 | S |
| 101.917 | 0.0000 | 0.0000 | 72.095 | 0.06295 | 0.00000 | 789605.1 | 789394.8 | 0.0 | S |
| 101.925 | 0.0000 | 0.0000 | 72.094 | 0.06291 | 0.00000 | 789605.1 | 789396.7 | 0.0 | S |
| 101.933 | 0.0000 | 0.0000 | 72.093 | 0.06287 | 0.00000 | 789605.1 | 789398.6 | 0.0 | S |
| 101.942 | 0.0000 | 0.0000 | 72.092 | 0.06283 | 0.00000 | 789605.1 | 789400.4 | 0.0 | S |
| 101.950 | 0.0000 | 0.0000 | 72.091 | 0.06279 | 0.00000 | 789605.1 | 789402.3 | 0.0 | S |
| 101.958 | 0.0000 | 0.0000 | 72.091 | 0.06275 | 0.00000 | 789605.1 | 789404.3 | 0.0 | S |
| 101.967 | 0.0000 | 0.0000 | 72.090 | 0.06271 | 0.00000 | 789605.1 | 789406.1 | 0.0 | S |
| 101.975 | 0.0000 | 0.0000 | 72.089 | 0.06267 | 0.00000 | 789605.1 | 789408.0 | 0.0 | S |
| 101.983 | 0.0000 | 0.0000 | 72.088 | 0.06263 | 0.00000 | 789605.1 | 789409.9 | 0.0 | S |
| 101.992 | 0.0000 | 0.0000 | 72.087 | 0.06259 | 0.00000 | 789605.1 | 789411.8 | 0.0 | S |
| 102.000 | 0.0000 | 0.0000 | 72.086 | 0.06255 | 0.00000 | 789605.1 | 789413.6 | 0.0 | S |
| 102.008 | 0.0000 | 0.0000 | 72.086 | 0.06251 | 0.00000 | 789605.1 | 789415.5 | 0.0 | S |
| 102.017 | 0.0000 | 0.0000 | 72.085 | 0.06247 | 0.00000 | 789605.1 | 789417.4 | 0.0 | S |
| 102.025 | 0.0000 | 0.0000 | 72.084 | 0.06243 | 0.00000 | 789605.1 | 789419.3 | 0.0 | S |
| 102.033 | 0.0000 | 0.0000 | 72.083 | 0.06239 | 0.00000 | 789605.1 | 789421.1 | 0.0 | S |
| 102.042 | 0.0000 | 0.0000 | 72.082 | 0.06235 | 0.00000 | 789605.1 | 789423.0 | 0.0 | S |
| 102.050 | 0.0000 | 0.0000 | 72.081 | 0.06231 | 0.00000 | 789605.1 | 789424.9 | 0.0 | S |
| 102.058 | 0.0000 | 0.0000 | 72.081 | 0.06227 | 0.00000 | 789605.1 | 789426.8 | 0.0 | S |
| 102.067 | 0.0000 | 0.0000 | 72.080 | 0.06223 | 0.00000 | 789605.1 | 789428.6 | 0.0 | S |
| 102.075 | 0.0000 | 0.0000 | 72.079 | 0.06219 | 0.00000 | 789605.1 | 789430.4 | 0.0 | S |
| 102.083 | 0.0000 | 0.0000 | 72.078 | 0.06215 | 0.00000 | 789605.1 | 789432.3 | 0.0 | S |
| 102.092 | 0.0000 | 0.0000 | 72.077 | 0.06211 | 0.00000 | 789605.1 | 789434.2 | 0.0 | S |
| 102.100 | 0.0000 | 0.0000 | 72.076 | 0.06207 | 0.00000 | 789605.1 | 789436.1 | 0.0 | S |
| 102.108 | 0.0000 | 0.0000 | 72.076 | 0.06203 | 0.00000 | 789605.1 | 789437.9 | 0.0 | S |
| 102.117 | 0.0000 | 0.0000 | 72.075 | 0.06199 | 0.00000 | 789605.1 | 789439.8 | 0.0 | S |
| 102.125 | 0.0000 | 0.0000 | 72.074 | 0.06195 | 0.00000 | 789605.1 | 789441.6 | 0.0 | S |
| 102.133 | 0.0000 | 0.0000 | 72.073 | 0.06191 | 0.00000 | 789605.1 | 789443.5 | 0.0 | S |
| 102.142 | 0.0000 | 0.0000 | 72.072 | 0.06187 | 0.00000 | 789605.1 | 789445.4 | 0.0 | S |
| 102.150 | 0.0000 | 0.0000 | 72.072 | 0.06183 | 0.00000 | 789605.1 | 789447.2 | 0.0 | S |
| 102.158 | 0.0000 | 0.0000 | 72.071 | 0.06179 | 0.00000 | 789605.1 | 789449.1 | 0.0 | S |
| 102.167 | 0.0000 | 0.0000 | 72.070 | 0.06175 | 0.00000 | 789605.1 | 789450.9 | 0.0 | S |
| 102.175 | 0.0000 | 0.0000 | 72.069 | 0.06171 | 0.00000 | 789605.1 | 789452.8 | 0.0 | S |
| 102.183 | 0.0000 | 0.0000 | 72.068 | 0.06167 | 0.00000 | 789605.1 | 789454.6 | 0.0 | S |
| 102.192 | 0.0000 | 0.0000 | 72.067 | 0.06163 | 0.00000 | 789605.1 | 789456.4 | 0.0 | S |
| 102.200 | 0.0000 | 0.0000 | 72.067 | 0.06159 | 0.00000 | 789605.1 | 789458.3 | 0.0 | S |
| 102.208 | 0.0000 | 0.0000 | 72.066 | 0.06155 | 0.00000 | 789605.1 | 789460.2 | 0.0 | S |
| 102.217 | 0.0000 | 0.0000 | 72.065 | 0.06151 | 0.00000 | 789605.1 | 789462.0 | 0.0 | S |
| 102.225 | 0.0000 | 0.0000 | 72.064 | 0.06147 | 0.00000 | 789605.1 | 789463.9 | 0.0 | S |
| 102.233 | 0.0000 | 0.0000 | 72.063 | 0.06143 | 0.00000 | 789605.1 | 789465.7 | 0.0 | S |
| 102.242 | 0.0000 | 0.0000 | 72.062 | 0.06139 | 0.00000 | 789605.1 | 789467.6 | 0.0 | S |
| 102.250 | 0.0000 | 0.0000 | 72.062 | 0.06135 | 0.00000 | 789605.1 | 789469.4 | 0.0 | S |
| 102.258 | 0.0000 | 0.0000 | 72.061 | 0.06131 | 0.00000 | 789605.1 | 789471.2 | 0.0 | S |
| 102.267 | 0.0000 | 0.0000 | 72.060 | 0.06127 | 0.00000 | 789605.1 | 789473.1 | 0.0 | S |
| 102.275 | 0.0000 | 0.0000 | 72.058 | 0.06123 | 0.00000 | 789605.1 | 789474.9 | 0.0 | S |
| 102.283 | 0.0000 | 0.0000 | 72.058 | 0.06120 | 0.00000 | 789605.1 | 789476.8 | 0.0 | S |
| 102.292 | 0.0000 | 0.0000 | 72.058 | 0.06116 | 0.00000 | 789605.1 | 789478.6 | 0.0 | S |
| 102.300 | 0.0000 | 0.0000 | 72.057 | 0.06112 | 0.00000 | 789605.1 | 789480.4 | 0.0 | S |
| 102.308 | 0.0000 | 0.0000 | 72.056 | 0.06108 | 0.00000 | 789605.1 | 789482.3 | 0.0 | S |
| 102.317 | 0.0000 | 0.0000 | 72.055 | 0.06104 | 0.00000 | 789605.1 | 789484.1 | 0.0 | S |
| 102.325 | 0.0000 | 0.0000 | 72.054 | 0.06100 | 0.00000 | 789605.1 | 789485.9 | 0.0 | S |
| 102.333 | 0.0000 | 0.0000 | 72.053 | 0.06096 | 0.00000 | 789605.1 | 789487.8 | 0.0 | S |
| 102.342 | 0.0000 | 0.0000 | 72.053 | 0.06092 | 0.00000 | 789605.1 | 789489.6 | 0.0 | S |
| 102.350 | 0.0000 | 0.0000 | 72.052 | 0.06088 | 0.00000 | 789605.1 | 789491.4 | 0.0 | S |
| 102.358 | 0.0000 | 0.0000 | 72.051 | 0.06084 | 0.00000 | 789605.1 | 789493.2 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infilitration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overfiow Discharge $\left(\mathrm{f}^{3} / \mathrm{s}\right)$ | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 102.367 | 0.0000 | 0.0000 | 72.050 | 0.06080 | 0.00000 | 789605.1 | 789495.0 | 0.0 | S |
| 102.375 | 0.0000 | 0.0000 | 72.049 | 0.06076 | 0.00000 | 789605.1 | 789496.9 | 0.0 | S |
| 102.383 | 0.0000 | 0.0000 | 72.048 | 0.06072 | 0.00000 | 789605.1 | 789498.7 | 0.0 | S |
| 102.392 | 0.0000 | 0.0000 | 72.048 | 0.06068 | 0.00000 | 789605.1 | 789500.5 | 0.0 | S |
| 102.400 | 0.0000 | 0.0000 | 72.047 | 0.06065 | 0.00000 | 789605.1 | 789502.3 | 0.0 | S |
| 102.408 | 0.0000 | 0.0000 | . 72.046 | 0.06061 | 0.00000 | 789605.1 | 789504.1 | 0.0 | S |
| 102.417 | 0.0000 | 0.0000 | 72.045 | 0.06057 | 0.00000 | 789605.1 | 789505.9 | 0.0 | S |
| 102.425 | 0.0000 | 0.0000 | 72.044 | 0.06053 | 0.00000 | 789605.1 | 789507.8 | 0.0 | S |
| 102.433 | 0.0000 | 0.0000 | 72.044 | 0.06049 | 0.00000 | 789605.1 | 789509.6 | 0.0 | S |
| 102.442 | 0.0000 | 0.0000 | 72.043 | 0.06045 | 0.00000 | 789605.1 | 789511.4 | 0.0 | S |
| 102.450 | 0.0000 | 0.0000 | 72.042 | 0.06041 | 0.00000 | 789605.1 | 789513.2 | 0.0 | S |
| 102.458 | 0.0000 | 0.0000 | 72.041 | 0.06037 | 0.00000 | 789605.1 | 789515.0 | 0.0 | S |
| 102.467 | 0.0000 | 0.0000 | 72.040 | 0.06033 | 0.00000 | 789605.1 | 789516.8 | 0.0 | S |
| 102.475 | 0.0000 | 0.0000 | 72.039 | 0.06029 | 0.00000 | 789605.1 | 789518.6 | 0.0 | S |
| 102.483 | 0.0000 | 0.0000 | 72.039 | 0.06026 | 0.00000 | 789605.1 | 789520.4 | 0.0 | S |
| 102.492 | 0.0000 | 0.0000 | 72.038 | 0.06022 | 0.00000 | 789605.1 | 789522.3 | 0.0 | S |
| 102.500 | 0.0000 | 0.0000 | 72.037 | 0.06018 | 0.00000 | 789605.1 | 789524.1 | 0.0 | S |
| 102.508 | 0.0000 | 0.0000 | 72.036 | 0.06014 | 0.00000 | 789605.1 | 789525.9 | 0.0 | S |
| 102.517 | 0.0000 | 0.0000 | 72.035 | 0.06010 | 0.00000 | 789605.1 | 789527.7 | 0.0 | S |
| 102.525 | 0.0000 | 0.0000 | 72.035 | 0.06006 | 0.00000 | 789605.1 | 789529.5 | 0.0 | S |
| 102.533 | 0.0000 | 0.0000 | 72.034 | 0.06002 | 0.00000 | 789605.1 | 789531.3 | 0.0 | S |
| 102.542 | 0.0000 | 0.0000 | 72.033 | 0.05998 | 0.00000 | 789605.1 | 789533.1 | 0.0 | S |
| 102.550 | 0.0000 | 0.0000 | 72.032 | 0.05995 | 0.00000 | 789605.1 | 789534.9 | 0.0 | S |
| 102.558 | 0.0000 | 0.0000 | 72.031 | 0.05991 | 0.00000 | 789605.1 | 789536.7 | 0.0 | S |
| 102.567 | 0.0000 | 0.0000 | 72.030 | 0.05987 | 0.00000 | 789605.1 | 789538.5 | 0.0 | S |
| 102.575 | 0.0000 | 0.0000 | 72.030 | 0.05983 | 0.00000 | 789605.1 | 789540.3 | 0.0 | S |
| 102.583 | 0.0000 | 0.0000 | 72.029 | 0.05979 | 0.00000 | 789605.1 | 789542.1 | 0.0 | S |
| 102.592 | 0.0000 | 0.0000 | 72.028 | 0.05975 | 0.00000 | 789605.1 | 789543.9 | 0.0 | S |
| 102.600 | 0.0000 | 0.0000 | 72.027 | 0.05971 | 0.00000 | 789605.1 | 789545.6 | 0.0 | S |
| 102.608 | 0.0000 | 0.0000 | 72.026 | 0.05967 | 0.00000 | 789605.1 | 789547.4 | 0.0 | S |
| 102.617 | 0.0000 | 0.0000 | 72.026 | 0.05964 | 0.00000 | 789605.1 | 789549.3 | 0.0 | S |
| 102.625 | 0.0000 | 0.0000 | 72.025 | 0.05960 | 0.00000 | 789605.1 | 789551.0 | 0.0 | S |
| 102.633 | 0.0000 | 0.0000 | 72.024 | 0.05956 | 0.00000 | 789605.1 | 789552.8 | 0.0 | S |
| 102.642 | 0.0000 | 0.0000 | 72.023 | 0.05952 | 0.00000 | 789605.1 | 789554.6 | 0.0 | S |
| 102.650 | 0.0000 | 0.0000 | 72.022 | 0.05948 | 0.00000 | 789605.1 | 789556.4 | 0.0 | S |
| 102.658 | 0.0000 | 0.0000 | 72.022 | 0.05944 | 0.00000 | 789605.1 | 789558.1 | 0.0 | S |
| 102.667 | 0.0000 | 0.0000 | 72.021 | 0.05940 | 0.00000 | 789605.1 | 789559.9 | 0.0 | S |
| 102.675 | 0.0000 | 0.0000 | 72.020 | 0.05937 | 0.00000 | 789605.1 | 789561.8 | 0.0 | S |
| 102.683 | 0.0000 | 0.0000 | 72.019 | 0.05933 | 0.00000 | 789605.1 | 789563.5 | 0.0 | S |
| 102.692 | 0.0000 | 0.0000 | 72.018 | 0.05929 | 0.00000 | 789605.1 | 789565.3 | 0.0 | S |
| 102.700 | 0.0000 | 0.0000 | 72.017 | 0.05925 | 0.00000 | 789605.1 | 789567.1 | 0.0 | S |
| 102.708 | 0.0000 | 0.0000 | 72.017 | 0.05921 | 0.00000 | 789605.1 | 789568.8 | 0.0 | S |
| 102.717 | 0.0000 | 0.0000 | 72.016 | 0.05917 | 0.00000 | 789605.1 | 789570.6 | 0.0 | S |
| 102.725 | 0.0000 | 0.0000 | 72.015 | 0.05914 | 0.00000 | 789605.1 | 789572.4 | 0.0 | S |
| 102.733 | 0.0000 | 0.0000 | 72.014 | 0.05910 | 0.00000 | 789605.1 | 789574.2 | 0.0 | S |
| 102.742 | 0.0000 | 0.0000 | 72.013 | 0.05906 | 0.00000 | 789605.1 | 789575.9 | 0.0 | S |
| 102.750 | 0.0000 | 0.0000 | 72.013 | 0.05902 | 0.00000 | 789605.1 | 789577.7 | 0.0 | S |
| 102.758 | 0.0000 | 0.0000 | 72.012 | 0.05898 | 0.00000 | 789605.1 | 789579.5 | 0.0 | S |
| 102.767 | 0.0000 | 0.0000 | 72.011 | 0.05895 | 0.00000 | 789605.1 | 789581.3 | 0.0 | S |
| 102.775 | 0.0000 | 0.0000 | 72.010 | 0.05891 | 0.00000 | 789605.1 | 789583.0 | 0.0 | S |
| 102.783 | 0.0000 | 0.0000 | 72.009 | 0.05887 | 0.00000 | 789605.1 | 789584.8 | 0.0 | S |
| 102.792 | 0.0000 | 0.0000 | 72.009 | 0.05883 | 0.00000 | 789605.1 | 789586.6 | 0.0 | S |
| 102.800 | 0.0000 | 0.0000 | 72.008 | 0.05879 | 0.00000 | 789605.1 | 789588.3 | 0.0 | S |
| 102.808 | 0.0000 | 0.0000 | 72.007 | 0.05875 | 0.00000 | 789605.1 | 789590.1 | 0.0 | S |
| 102.817 | 0.0000 | 0.0000 | 72.006 | 0.05872 | 0.00000 | 789605.1 | 789591.8 | 0.0 | S |
| 102.825 | 0.0000 | 0.0000 | 72.005 | 0.05868 | 0.00000 | 789605.1 | 789593.6 | 0.0 | S |
| 102.833 | 0.0000 | 0.0000 | 72.004 | 0.05864 | 0.00000 | 789605.1 | 789595.4 | 0.0 | S |
| 102.842 | 0.0000 | 0.0000 | 72.004 | 0.05860 | 0.00000 | 789605.1 | 789597.1 | 0.0 | S |
| 102.850 | 0.0000 | 0.0000 | 72.003 | 0.05856 | 0.00000 | 789605.1 | 789598.9 | 0.0 | S |
| 102.858 | 0.0000 | 0.0000 | 72.002 | 0.05853 | 0.00000 | 789605.1 | 789600.6 | 0.0 | S |
| 102.867 | 0.0000 | 0.0000 | 72.001 | 0.05849 | 0.00000 | 789605.1 | 789602.4 | 0.0 | S |
| 102.875 | 0.0000 | 0.0000 | 72.000 | 0.04448 | 0.00000 | 789605.1 | 789604.1 | 0.0 | S |
| 102.883 | 0.0000 | 0.0000 | 72.000 | 0.01525 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 102.892 | 0.0000 | 0.0000 | 72.000 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 102.900 | 0.0000 | 0.0000 | 72.000 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 102.908 | 0.0000 | 0.0000 | 71.999 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 102.917 | 0.0000 | 0.0000 | 71.999 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 102.925 | 0.0000 | 0.0000 | 71.999 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 102.933 | 0.0000 | 0.0000 | 71.999 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 102.942 | 0.0000 | 0.0000 | 71.999 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 102.950 | 0.0000 | 0.0000 | 71.998 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 102.958 | 0.0000 | 0.0000 | 71.998 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 102.967 | 0.0000 | 0.0000 | 71.998 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 102.975 | 0.0000 | 0.0000 | 71.998 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.

## Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (fl datum) | Infiltration Rate ( $\mathrm{f}^{3 / 3 / 5)}$ | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Infilitration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{fl}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 102.983 | 0.0000 | 0,0000 | 71.997 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 102.992 | 0.0000 | 0.0000 | 71.997 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.000 | 0.0000 | 0.0000 | 71.997 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.008 | 0.0000 | 0.0000 | 71.997 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.017 | 0.0000 | 0.0000 | 71.996 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.025 | 0.0000 | 0.0000 | 71.996 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.033 | 0.0000 | 0.0000 | 71.996 | 0.00000 | 0.00000 | 789605.1 | 789605, 1 | 0.0 | S |
| 103.042 | 0.0000 | 0.0000 | 71.996 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.050 | 0.0000 | 0.0000 | 71.996 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.058 | 0.0000 | 0.0000 | 71.995 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.067 | 0.0000 | 0.0000 | 71.995 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.075 | 0.0000 | 0.0000 | 71.995 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.083 | 0.0000 | 0.0000 | 71.995 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.092 | 0.0000 | 0.0000 | 71.994 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.100 | 0.0000 | 0.0000 | 71.994 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.108 | 0.0000 | 0.0000 | 71.994 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.117 | 0.0000 | 0.0000 | 71.994 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.125 | 0.0000 | 0.0000 | 71.993 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.733 | 0.0000 | 0.0000 | 71.993 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.142 | 0.0000 | 0.0000 | 71.993 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.150 | 0.0000 | 0.0000 | 71.992 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.158 | 0.0000 | 0.0000 | 71.992 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.167 | 0.0000 | 0.0000 | 71.992 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.175 | 0.0000 | 0.0000 | 71.992 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.183 | 0.0000 | 0.0000 | 71.991 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.192 | 0.0000 | 0.0000 | 71.991 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.200 | 0.0000 | 0.0000 | 71.991 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.208 | 0.0000 | 0.0000 | 71.991 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.217 | 0.0000 | 0.0000 | 71.990 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.225 | 0.0000 | 0.0000 | 71.990 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.233 | 0.0000 | 0.0000 | 71.990 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.242 | 0.0000 | 0.0000 | 71.990 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.250 | 0.0000 | 0.0000 | 71.989 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.258 | 0.0000 | 0.0000 | 71.989 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.267 | 0.0000 | 0.0000 | 71.989 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.275 | 0.0000 | 0.0000 | 71.988 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.283 | 0.0000 | 0.0000 | 71.988 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.292 | 0.0000 | 0.0000 | 71.988 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.300 | 0.0000 | 0.0000 | 71.988 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.308 | 0.0000 | 0.0000 | 71.987 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.317 | 0.0000 | 0.0000 | 71.987 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.325 | 0.0000 | 0.0000 | 71.987 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.333 | 0.0000 | 0.0000 | 71.987 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.342 | 0.0000 | 0.0000 | 71.986 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.350 | 0.0000 | 0.0000 | 71.986 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.358 | 0.0000 | 0.0000 | 71.986 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.367 | 0.0000 | 0.0000 | 71.985 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.375 | 0.0000 | 0.0000 | 71.985 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.383 | 0.0000 | 0.0000 | 71.985 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.392 | 0.0000 | 0.0000 | 71.985 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.400 | 0.0000 | 0.0000 | 71.984 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.408 | 0.0000 | 0.0000 | 71.984 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.417 | 0.0000 | 0.0000 | 71.984 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.425 | 0.0000 | 0.0000 | 71.983 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.433 | 0.0000 | 0.0000 | 71.983 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.442 | 0.0000 | 0.0000 | 71.983 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.450 | 0.0000 | 0.0000 | 71.983 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.458 | 0.0000 | 0.0000 | 71.982 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.467 | 0.0000 | 0.0000 | 71.982 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.475 | 0.0000 | 0.0000 | 71.982 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.483 | 0.0000 | 0.0000 | 71.981 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.492 | 0.0000 | 0.0000 | 71.981 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.500 | 0.0000 | 0.0000 | 71.981 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.508 | 0.0000 | 0.0000 | 71,981 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.517 | 0.0000 | 0.0000 | 71.980 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.525 | 0.0000 | 0.0000 | 71.980 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.533 | 0.0000 | 0.0000 | 71.980 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.542 | 0.0000 | 0.0000 | 71.979 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.550 | 0.0000 | 0.0000 | 71.979 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.558 | 0.0000 | 0.0000 | 71.979 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.567 | 0.0000 | 0.0000 | 71.978 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.575 | 0.0000 | 0.0000 | 71.978 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.583 | 0.0000 | 0.0000 | 71.978 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.592 | 0.0000 | 0.0000 | 71.978 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (fl datum) | Infiltration Rate ( $\mathrm{f}^{3 / 3} \mathrm{~s}$ ) | Overflow Discharge ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{H}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 103.600 | 0.0000 | 0.0000 | 71.977 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.608 | 0.0000 | 0.0000 | 71.977 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.617 | 0.0000 | 0.0000 | 71.977 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.625 | 0.0000 | 0.0000 | 71.976 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.633 | 0.0000 | 0.0000 | 71.976 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.642 | 0.0000 | 0.0000 | 71.976 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.650 | 0.0000 | 0.0000 | 71.975 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.658 | 0.0000 | 0.0000 | 71.975 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.667 | 0.0000 | 0.0000 | 71.975 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.675 | 0.0000 | 0.0000 | 71.975 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.683 | 0.0000 | 0.0000 | 71.974 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.692 | 0.0000 | 0.0000 | 71.974 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.700 | 0.0000 | 0.0000 | 71.974 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.708 | 0.0000 | 0.0000 | 71.973 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.717 | 0.0000 | 0.0000 | 71.973 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.725 | 0.0000 | 0.0000 | 71.973 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.733 | 0.0000 | 0.0000 | 71.972 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.742 | 0.0000 | 0.0000 | 71.972 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.750 | 0.0000 | 0.0000 | 71.972 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.758 | 0.0000 | 0.0000 | 71.971 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.767 | 0.0000 | 0.0000 | 71.971 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.775 | 0.0000 | 0.0000 | 71.971 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.783 | 0.0000 | 0.0000 | 71.971 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.792 | 0.0000 | 0.0000 | 71.970 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.800 | 0.0000 | 0.0000 | 71.970 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.808 | 0.0000 | 0.0000 | 71.970 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.817 | 0.0000 | 0.0000 | 71.969 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.825 | 0.0000 | 0.0000 | 71.969 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.833 | 0.0000 | 0.0000 | 71.969 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.842 | 0.0000 | 0.0000 | 71.968 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.850 | 0.0000 | 0.0000 | 71.968 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.858 | 0.0000 | 0.0000 | 71.968 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.867 | 0.0000 | 0.0000 | 71.967 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.875 | 0.0000 | 0.0000 | 71.967 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.883 | 0.0000 | 0.0000 | 71.967 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.892 | 0.0000 | 0.0000 | 71.966 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.900 | 0.0000 | 0.0000 | 71.966 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.908 | 0.0000 | 0.0000 | 71.966 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.917 | 0.0000 | 0.0000 | 71.966 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.925 | 0.0000 | 0.0000 | 71.965 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.933 | 0.0000 | 0.0000 | 71.965 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.942 | 0.0000 | 0.0000 | 71.965 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.950 | 0.0000 | 0.0000 | 71.964 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.958 | 0.0000 | 0.0000 | 71.964 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.967 | 0.0000 | 0.0000 | 71.964 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.975 | 0.0000 | 0.0000 | 71.963 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.983 | 0.0000 | 0.0000 | 71.963 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 103.992 | 0.0000 | 0.0000 | 71.963 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.000 | 0.0000 | 0.0000 | 71.962 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.008 | 0.0000 | 0.0000 | 71.962 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.017 | 0.0000 | 0.0000 | 71.962 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.025 | 0.0000 | 0.0000 | 71.961 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.033 | 0.0000 | 0.0000 | 71.961 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.042 | 0.0000 | 0.0000 | 71.961 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.050 | 0.0000 | 0.0000 | 71.960 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.058 | 0.0000 | 0.0000 | 71.960 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.067 | 0.0000 | 0.0000 | 71.960 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.075 | 0.0000 | 0.0000 | 71.959 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.083 | 0.0000 | 0.0000 | 71.959 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.092 | 0.0000 | 0.0000 | 71.959 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.100 | 0.0000 | 0.0000 | 71.958 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.108 | 0.0000 | 0.0000 | 71.958 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.117 | 0.0000 | 0.0000 | 71.958 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.125 | 0.0000 | 0.0000 | 71.957 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.133 | 0.0000 | 0.0000 | 71.957 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.142 | 0.0000 | 0.0000 | 71.957 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.150 | 0.0000 | 0.0000 | 71.957 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.158 | 0.0000 | 0.0000 | 71.956 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.167 | 0.0000 | 0.0000 | 71.956 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.175 | 0.0000 | 0.0000 | 71.956 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.183 | 0.0000 | 0.0000 | 71.955 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.192 | 0.0000 | 0.0000 | 71.955 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.200 | 0.0000 | 0.0000 | 71.955 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.208 | 0.0000 | 0.0000 | 71.954 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.

## Detailed Results (cont,d.) :: Scenario 1 :: Pond 5100 yr/24 hr

| Elapsed Time (hours) | Inflow Rate (f13/s) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumułative Infiltration Volume ( $\mathrm{ff}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 104.217 | 0.0000 | 0.0000 | 71.954 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.225 | 0.0000 | 0.0000 | 71.954 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.233 | 0.0000 | 0.0000 | 71.953 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.242 | 0.0000 | 0.0000 | 71.953 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.250 | 0.0000 | 0.0000 | 71.953 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.258 | 0.0000 | 0.0000 | 71.952 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.267 | 0.0000 | 0.0000 | 71.952 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.275 | 0.0000 | 0.0000 | 71.952 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.283 | 0.0000 | 0.0000 | 71.951 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.292 | 0.0000 | 0.0000 | 71.951 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.300 | 0.0000 | 0.0000 | 71.951 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.308 | 0.0000 | 0.0000 | 71.950 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.317 | 0.0000 | 0.0000 | 71.950 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.325 | 0.0000 | 0.0000 | 71.950 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.333 | 0.0000 | 0.0000 | 71.949 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.342 | 0.0000 | 0.0000 | 71.949 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.350 | 0.0000 | 0.0000 | 71.949 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.358 | 0.0000 | 0.0000 | 71.948 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.367 | 0.0000 | 0.0000 | 71.948 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.375 | 0.0000 | 0.0000 | 71.948 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.383 | 0.0000 | 0.0000 | 71.947 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.392 | 0.0000 | 0.0000 | 71.947 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.400 | 0.0000 | 0.0000 | 71.947 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.408 | 0.0000 | 0.0000 | 71.946 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.417 | 0.0000 | 0.0000 | 71.946 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.425 | 0.0000 | 0.0000 | 71.946 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.433 | 0.0000 | 0.0000 | 71.945 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.442 | 0.0000 | 0.0000 | 71.945 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.450 | 0.0000 | 0.0000 | 71.945 | 0.00000 | 0.00000 | 789605.1 | 789605.3 | 0.0 | S |
| 104.458 | 0.0000 | 0.0000 | 71.944 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.467 | 0.0000 | 0.0000 | 71.944 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.475 | 0.0000 | 0.0000 | 71.944 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.483 | 0.0000 | 0.0000 | 71.943 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.492 | 0.0000 | 0.0000 | 71.943 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.500 | 0.0000 | 0.0000 | 71.943 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.508 | 0.0000 | 0.0000 | 71.942 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.517 | 0.0000 | 0.0000 | 71.942 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.525 | 0.0000 | 0.0000 | 71.942 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.533 | 0.0000 | 0.0000 | 71.941 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.542 | 0.0000 | 0.0000 | 71.941 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.550 | 0.0000 | 0.0000 | 71.941 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.558 | 0.0000 | 0.0000 | 71.940 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.567 | 0.0000 | 0.0000 | 71.940 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.575 | 0.0000 | 0.0000 | 71.939 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.583 | 0.0000 | 0.0000 | 71.939 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.592 | 0.0000 | 0.0000 | 71.939 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.600 | 0.0000 | 0.0000 | 71.938 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.608 | 0.0000 | 0.0000 | 71.938 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.617 | 0.0000 | 0.0000 | 71.938 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.625 | 0.0000 | 0.0000 | 71.937 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.633 | 0.0000 | 0.0000 | 71.937 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.642 | 0.0000 | 0.0000 | 71.937 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.650 | 0.0000 | 0.0000 | 71.936 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.658 | 0.0000 | 0.0000 | 71.936 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.667 | 0.0000 | 0.0000 | 71.936 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.675 | 0.0000 | 0.0000 | 71.935 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.683 | 0.0000 | 0.0000 | 71.935 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.692 | 0.0000 | 0.0000 | 71.935 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.700 | 0.0000 | 0.0000 | 71.934 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.708 | 0.0000 | 0.0000 | 71.934 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.717 | 0.0000 | 0.0000 | 71.934 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.725 | 0.0000 | 0.0000 | 71.933 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.733 | 0.0000 | 0.0000 | 71.933 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.742 | 0.0000 | 0.0000 | 71.933 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.750 | 0.0000 | 0.0000 | 71.932 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.758 | 0.0000 | 0.0000 | 71.932 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.767 | 0.0000 | 0.0000 | 71.932 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.775 | 0.0000 | 0.0000 | 71.931 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.783 | 0.0000 | 0.0000 | 71.931 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.792 | 0.0000 | 0.0000 | 71.931 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.800 | 0.0000 | 0.0000 | 71.930 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.808 | 0.0000 | 0.0000 | 71.930 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.817 | 0.0000 | 0.0000 | 71.930 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.825 | 0.0000 | 0.0000 | 71.929 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infititration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume (ft ${ }^{3}$ ) | Cumulative \{nfiltration Volume ( $\mathrm{t}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 104.833 | 0.0000 | 0.0000 | 71.929 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.842 | 0.0000 | 0.0000 | 71.928 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.850 | 0.0000 | 0.0000 | 71.928 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.858 | 0.0000 | 0.0000 | 71.928 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.867 | 0.0000 | 0.0000 | 71.927 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.875 | 0.0000 | 0.0000 | 71.927 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.883 | 0.0000 | 0.0000 | 71.927 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.892 | 0.0000 | 0.0000 | 71.926 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.900 | 0.0000 | 0.0000 | 71.926 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.908 | 0.0000 | 0.0000 | 71.926 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.917 | 0.0000 | 0.0000 | 71.925 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.925 | 0.0000 | 0.0000 | 71.925 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.933 | 0.0000 | 0.0000 | 71.925 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.942 | 0.0000 | 0.0000 | 71.924 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.950 | 0.0000 | 0.0000 | 71.924 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.958 | 0.0000 | 0.0000 | 71.924 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.967 | 0.0000 | 0.0000 | 71.923 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.975 | 0.0000 | 0.0000 | 71.923 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.983 | 0.0000 | 0.0000 | 71.923 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 104.992 | 0.0000 | 0.0000 | 71.922 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.000 | 0.0000 | 0.0000 | 71.922 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.008 | 0.0000 | 0.0000 | 71.921 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.017 | 0.0000 | 0.0000 | 71.921 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.025 | 0.0000 | 0.0000 | 71.921 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.033 | 0.0000 | 0.0000 | 71.920 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.042 | 0.0000 | 0.0000 | 71.920 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.050 | 0.0000 | 0.0000 | 71.920 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.058 | 0.0000 | 0.0000 | 71.919 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.067 | 0.0000 | 0.0000 | 71.919 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.075 | 0.0000 | 0.0000 | 71.919 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.083 | 0.0000 | 0.0000 | 71.918 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.092 | 0.0000 | 0.0000 | 71.918 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.100 | 0.0000 | 0.0000 | 71.918 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.108 | 0.0000 | 0.0000 | 71.917 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.117 | 0.0000 | 0.0000 | 71.917 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.125 | 0.0000 | 0.0000 | 71.917 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.133 | 0.0000 | 0.0000 | 71.916 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.142 | 0.0000 | 0.0000 | 71.916 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.150 | 0.0000 | 0.0000 | 71.915 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.158 | 0.0000 | 0.0000 | 71.915 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.167 | 0.0000 | 0.0000 | 71.915 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.175 | 0.0000 | 0.0000 | 71.914 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.183 | 0.0000 | 0.0000 | 71.914 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.192 | 0.0000 | 0.0000 | 71.914 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.200 | 0.0000 | 0.0000 | 71.913 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.208 | 0.0000 | 0.0000 | 71.913 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.217 | 0.0000 | 0.0000 | 71.913 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.225 | 0.0000 | 0.0000 | 71.912 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.233 | 0.0000 | 0.0000 | 71.912 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.242 | 0.0000 | 0.0000 | 71.912 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.250 | 0.0000 | 0.0000 | 71.911 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.258 | 0.0000 | 0.0000 | 71.911 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.267 | 0.0000 | 0.0000 | 71.911 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.275 | 0.0000 | 0.0000 | 71.910 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.283 | 0.0000 | 0.0000 | 71.910 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.292 | 0.0000 | 0.0000 | 71.909 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.300 | 0.0000 | 0.0000 | 71.909 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.308 | 0.0000 | 0.0000 | 71.909 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.317 | 0.0000 | 0.0000 | 71.908 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.325 | 0.0000 | 0.0000 | 71.908 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.333 | 0.0000 | 0.0000 | 71.908 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.342 | 0.0000 | 0.0000 | 71.907 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.350 | 0.0000 | 0.0000 | 71.907 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.358 | 0.0000 | 0.0000 | 71,907 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.367 | 0.0000 | 0.0000 | 71.906 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.375 | 0.0000 | 0.0000 | 71.906 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.383 | 0.0000 | 0.0000 | 71.906 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.392 | 0.0000 | 0.0000 | 71.905 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.400 | 0.0000 | 0.0000 | 71.905 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.408 | 0.0000 | 0.0000 | 71.904 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.417 | 0.0000 | 0.0000 | 71,904 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.425 | 0.0000 | 0.0000 | 71.904 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.433 | 0.0000 | 0.0000 | 71.903 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.442 | 0.0000 | 0.0000 | 71.903 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate <br> $\left(\mathrm{A}^{3 / s}\right)$ | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3 /} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{H}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 105.450 | 0.0000 | 0.0000 | 71.903 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.458 | 0.0000 | 0.0000 | 71.902 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.467 | 0.0000 | 0.0000 | 71.902 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.475 | 0.0000 | 0.0000 | 71.902 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.483 | 0.0000 | 0.0000 | 71.901 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.492 | 0.0000 | 0.0000 | 71.901 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.500 | 0.0000 | 0.0000 | 71.900 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.508 | 0.0000 | 0.0000 | 71.900 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.517 | 0.0000 | 0.0000 | 71.900 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.525 | 0.0000 | 0.0000 | 71.899 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.533 | 0.0000 | 0.0000 | 71.899 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.542 | 0.0000 | 0.0000 | 71.899 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.550 | 0.0000 | 0.0000 | 71.898 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.558 | 0.0000 | 0.0000 | 71.898 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.567 | 0.0000 | 0.0000 | 71.898 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.575 | 0.0000 | 0.0000 | 71.897 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.583 | 0.0000 | 0.0000 | 71.897 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.592 | 0.0000 | 0.0000 | 71.897 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.600 | 0.0000 | 0.0000 | 71.896 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.608 | 0.0000 | 0.0000 | 71.896 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.617 | 0.0000 | 0.0000 | 71.895 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.625 | 0.0000 | 0.0000 | 71.895 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.633 | 0.0000 | 0.0000 | 71.895 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.642 | 0.0000 | 0.0000 | 71.894 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.650 | 0.0000 | 0.0000 | 71.894 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.658 | 0.0000 | 0.0000 | 71.894 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.667 | 0.0000 | 0.0000 | 71.893 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.675 | 0.0000 | 0.0000 | 71.893 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.683 | 0.0000 | 0.0000 | 71.893 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.692 | 0.0000 | 0.0000 | 71.892 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.700 | 0.0000 | 0.0000 | 71.892 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.708 | 0.0000 | 0.0000 | 71.891 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.717 | 0.0000 | 0.0000 | 71.891 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.725 | 0.0000 | 0.0000 | 71.891 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.733 | 0.0000 | 0.0000 | 71.890 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.742 | 0.0000 | 0.0000 | 71.890 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.750 | 0.0000 | 0.0000 | 71.890 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.758 | 0.0000 | 0.0000 | 71.889 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.767 | 0.0000 | 0.0000 | 71.889 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.775 | 0.0000 | 0.0000 | 71.889 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.783 | 0.0000 | 0.0000 | 71.888 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.792 | 0.0000 | 0.0000 | 71.888 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.800 | 0.0000 | 0.0000 | 71.887 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.808 | 0.0000 | 0.0000 | 71.887 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.817 | 0.0000 | 0.0000 | 71.887 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.825 | 0.0000 | 0.0000 | 71.886 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.833 | 0.0000 | 0.0000 | 71.886 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.842 | 0.0000 | 0.0000 | 71.886 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.850 | 0.0000 | 0.0000 | 71.885 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.858 | 0.0000 | 0.0000 | 71.885 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.867 | 0.0000 | 0.0000 | 71.885 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.875 | 0.0000 | 0.0000 | 71.884 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.883 | 0.0000 | 0.0000 | 71.884 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.892 | 0.0000 | 0.0000 | 71.883 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.900 | 0.0000 | 0.0000 | 71.883 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.908 | 0.0000 | 0.0000 | 71.883 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.917 | 0.0000 | 0.0000 | 71.882 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.925 | 0.0000 | 0.0000 | 71.882 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.933 | 0.0000 | 0.0000 | 71.882 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.942 | 0.0000 | 0.0000 | 71.881 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.950 | 0.0000 | 0.0000 | 71.881 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.958 | 0.0000 | 0.0000 | 71.880 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.967 | 0.0000 | 0.0000 | 71.880 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.975 | 0.0000 | 0.0000 | 71.880 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.983 | 0.0000 | 0.0000 | 71.879 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 105.992 | 0.0000 | 0.0000 | 71.879 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.000 | 0.0000 | 0.0000 | 71.879 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.008 | 0.0000 | 0.0000 | 71.878 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.017 | 0.0000 | 0.0000 | 71.878 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.025 | 0.0000 | 0.0000 | 71.878 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.033 | 0.0000 | 0.0000 | 71.877 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.042 | 0.0000 | 0.0000 | 71.877 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.050 | 0.0000 | 0.0000 | 71.876 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.058 | 0.0000 | 0.0000 | 71.876 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate (f13/s) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overtow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | $\begin{aligned} & \text { Flow } \\ & \text { Type } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 106.067 | 0.0000 | 0.0000 | 71.876 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.075 | 0.0000 | 0.0000 | 71.875 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.083 | 0.0000 | 0.0000 | 71.875 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.092 | 0.0000 | 0.0000 | 71.875 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.100 | 0.0000 | 0.0000 | 71.874 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.108 | 0.0000 | 0.0000 | 71.874 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.117 | 0.0000 | 0.0000 | 71.874 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.125 | 0.0000 | 0.0000 | 71.873 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.133 | 0.0000 | 0.0000 | 71.873 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.142 | 0.0000 | 0.0000 | 71.872 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.150 | 0.0000 | 0.0000 | 71.872 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.158 | 0.0000 | 0.0000 | 71.872 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.167 | 0.0000 | 0.0000 | 71.871 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.175 | 0.0000 | 0.0000 | 71.871 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.183 | 0.0000 | 0.0000 | 71.879 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.192 | 0.0000 | 0.0000 | 71.870 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.200 | 0.0000 | 0.0000 | 71.870 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.208 | 0.0000 | 0.0000 | 71.869 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.217 | 0.0000 | 0.0000 | 71.869 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.225 | 0.0000 | 0.0000 | 71.869 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.233 | 0.0000 | 0.0000 | 71.868 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.242 | 0.0000 | 0.0000 | 71.868 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.250 | 0.0000 | 0.0000 | 71.868 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.258 | 0.0000 | 0.0000 | 71.867 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.267 | 0.0000 | 0.0000 | 71.867 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.275 | 0.0000 | 0.0000 | 71.866 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.283 | 0.0000 | 0.0000 | 71.866 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.292 | 0.0000 | 0.0000 | 71.866 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.300 | 0.0000 | 0.0000 | 71.865 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.308 | 0.0000 | 0.0000 | 71.865 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.317 | 0.0000 | 0.0000 | 71.865 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.325 | 0.0000 | 0.0000 | 71.864 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.333 | 0.0000 | 0.0000 | 71.864 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.342 | 0.0000 | 0.0000 | 71.864 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.350 | 0.0000 | 0.0000 | 71.863 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.358 | 0.0000 | 0.0000 | 71.863 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.367 | 0.0000 | 0.0000 | 71.862 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.375 | 0.0000 | 0.0000 | 71.862 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.383 | 0.0000 | 0.0000 | 71.862 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.392 | 0.0000 | 0.0000 | 71.861 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.400 | 0.0000 | 0.0000 | 71.861 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.408 | 0.0000 | 0.0000 | 71.861 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.417 | 0.0000 | 0.0000 | 71.860 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.425 | 0.0000 | 0.0000 | 71.860 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.433 | 0.0000 | 0.0000 | 71.859 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.442 | 0.0000 | 0.0000 | 71.859 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.450 | 0.0000 | 0.0000 | 71.859 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.458 | 0.0000 | 0.0000 | 71.858 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.467 | 0.0000 | 0.0000 | 71.858 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.475 | 0.0000 | 0.0000 | 71.858 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.483 | 0.0000 | 0.0000 | 71.857 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.492 | 0.0000 | 0.0000 | 71.857 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.500 | 0.0000 | 0.0000 | 71.856 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.508 | 0.0000 | 0.0000 | 71.856 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.517 | 0.0000 | 0.0000 | 71.856 | 0.00000 | 0.00000 | 789605.1 | 789605.7 | 0.0 | S |
| 106.525 | 0.0000 | 0.0000 | 71.855 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.533 | 0.0000 | 0.0000 | 71.855 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.542 | 0.0000 | 0.0000 | 71.855 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.550 | 0.0000 | 0.0000 | 71.854 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.558 | 0.0000 | 0.0000 | 71.854 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.567 | 0.0000 | 0.0000 | 71.853 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.575 | 0.0000 | 0.0000 | 71.853 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.583 | 0.0000 | 0.0000 | 71.853 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.592 | 0.0000 | 0.0000 | 71.852 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.600 | 0.0000 | 0.0000 | 71.852 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.608 | 0.0000 | 0.0000 | 71.852 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.617 | 0.0000 | 0.0000 | 71.851 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.625 | 0.0000 | 0.0000 | 71.851 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.633 | 0.0000 | 0.0000 | 71.850 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.642 | 0.0000 | 0.0000 | 71.850 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.650 | 0.0000 | 0.0000 | 71.850 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.658 | 0.0000 | 0.0000 | 71.849 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.667 | 0.0000 | 0.0000 | 71.849 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.675 | 0.0000 | 0.0000 | 71.849 | 0.00000 | 0,00000 | 789605.1 | 789605.1 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Outside Recharge (fi/day) | Stage Elevation (ft datum) | Inflitration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative tnflow Volume ( $f^{3}$ ) | Cumulative infiltration Volume ( $^{(t)}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 106.683 | 0.0000 | 0.0000 | 71.848 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.692 | 0.0000 | 0.0000 | 71.848 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.700 | 0.0000 | 0.0000 | 71.847 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.708 | 0.0000 | 0.0000 | 71.847 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.717 | 0.0000 | 0.0000 | 71.847 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.725 | 0.0000 | 0.0000 | 71.846 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.733 | 0.0000 | 0.0000 | 71.846 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.742 | 0.0000 | 0.0000 | 71.846 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.750 | 0.0000 | 0.0000 | 71.845 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.758 | 0.0000 | 0.0000 | 71.845 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.767 | 0.0000 | 0.0000 | 71.844 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.775 | 0.0000 | 0.0000 | 71.844 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.783 | 0.0000 | 0.0000 | 71.844 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.792 | 0.0000 | 0.0000 | 71.843 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.800 | 0.0000 | 0.0000 | 71.843 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.808 | 0.0000 | 0.0000 | 71.843 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.817 | 0.0000 | 0.0000 | 71.842 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.825 | 0.0000 | 0.0000 | 71.842 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.833 | 0.0000 | 0.0000 | 71.841 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.842 | 0.0000 | 0.0000 | 71.841 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.850 | 0.0000 | 0.0000 | 71.841 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.858 | 0.0000 | 0.0000 | 71.840 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.867 | 0.0000 | 0.0000 | 71.840 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.875 | 0.0000 | 0.0000 | 71.840 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.883 | 0.0000 | 0.0000 | 71.839 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.892 | 0.0000 | 0.0000 | 71.839 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.900 | 0.0000 | 0.0000 | 71.838 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.908 | 0.0000 | 0.0000 | 71.838 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.917 | 0.0000 | 0.0000 | 71.838 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.925 | 0.0000 | 0.0000 | 71.837 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.933 | 0.0000 | 0.0000 | 71.837 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.942 | 0.0000 | 0.0000 | 71.837 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.950 | 0.0000 | 0.0000 | 71.836 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.958 | 0.0000 | 0.0000 | 71.836 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.967 | 0.0000 | 0.0000 | 71.835 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.975 | 0.0000 | 0.0000 | 71.835 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.983 | 0.0000 | 0.0000 | 71.835 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 106.992 | 0.0000 | 0.0000 | 71.834 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.000 | 0.0000 | 0.0000 | 71.834 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.008 | 0.0000 | 0.0000 | 71.834 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.017 | 0.0000 | 0.0000 | 71.833 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.025 | 0.0000 | 0.0000 | 71.833 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.033 | 0.0000 | 0.0000 | 71.832 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.042 | 0.0000 | 0.0000 | 71.832 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.050 | 0.0000 | 0.0000 | 71.832 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.058 | 0.0000 | 0.0000 | 71.831 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.067 | 0.0000 | 0.0000 | 71.831 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.075 | 0.0000 | 0.0000 | 71.831 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.083 | 0.0000 | 0.0000 | 71.830 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.092 | 0.0000 | 0.0000 | 71.830 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.100 | 0.0000 | 0.0000 | 71.829 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.108 | 0.0000 | 0.0000 | 71.829 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.117 | 0.0000 | 0.0000 | 71.829 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.125 | 0.0000 | 0.0000 | 71.828 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.133 | 0.0000 | 0.0000 | 71.828 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.142 | 0.0000 | 0.0000 | 71.828 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.150 | 0.0000 | 0.0000 | 71.827 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.158 | 0.0000 | 0.0000 | 71.827 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.167 | 0.0000 | 0.0000 | 71.826 | 0.00000 | 0.00000 | 789605. 1 | 789605.1 | 0.0 | S |
| 107.175 | 0.0000 | 0.0000 | 71.826 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.183 | 0.0000 | 0.0000 | 71.826 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.192 | 0.0000 | 0.0000 | 71.825 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.200 | 0.0000 | 0.0000 | 71.825 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.208 | 0.0000 | 0.0000 | 71.825 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.217 | 0.0000 | 0.0000 | 71.824 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.225 | 0.0000 | 0.0000 | 71.824 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.233 | 0.0000 | 0.0000 | 71.823 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.242 | 0.0000 | 0.0000 | 71.823 | 0.00000 | 0.00000 | 789605.3 | 789605.1 | 0.0 | S |
| 107.250 | 0.0000 | 0.0000 | 71.823 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.258 | 0.0000 | 0.0000 | 71.822 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.267 | 0.0000 | 0.0000 | 71.822 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.275 | 0.0000 | 0.0000 | 71.822 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.283 | 0.0000 | 0.0000 | 71.821 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.292 | 0.0000 | 0.0000 | 71.821 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 5100 yr/24 hr

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (fi/day) | Stage Elevation (ft datum) | Infiltration Rate (f $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{fl}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 107.300 | 0.0000 | 0.0000 | 71.820 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.308 | 0.0000 | 0.0000 | 71.820 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.317 | 0.0000 | 0.0000 | 71.820 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.325 | 0.0000 | 0.0000 | 71.819 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.333 | 0.0000 | 0.0000 | 71.819 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.342 | 0.0000 | 0.0000 | 71.818 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.350 | 0.0000 | 0.0000 | 71.818 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.358 | 0.0000 | 0.0000 | 71.818 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.367 | 0.0000 | 0.0000 | 71.817 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.375 | 0.0000 | 0.0000 | 71.817 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.383 | 0.0000 | 0.0000 | 71.817 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.392 | 0.0000 | 0.0000 | 71.816 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.400 | 0.0000 | 0.0000 | 71.816 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.408 | 0.0000 | 0.0000 | 71.815 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.417 | 0.0000 | 0.0000 | 71.815 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.425 | 0.0000 | 0.0000 | 71.815 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.433 | 0.0000 | 0.0000 | 71.814 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.442 | 0.0000 | 0.0000 | 71.814 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.450 | 0.0000 | 0.0000 | 71.814 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.458 | 0.0000 | 0.0000 | 71.813 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.467 | 0.0000 | 0.0000 | 71.813 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.475 | 0.0000 | 0.0000 | 71.812 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.483 | 0.0000 | 0.0000 | 71.812 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.492 | 0.0000 | 0.0000 | 71.812 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.500 | 0.0000 | 0.0000 | 71.811 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.508 | 0.0000 | 0.0000 | 71.811 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.517 | 0.0000 | 0.0000 | 71.811 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.525 | 0.0000 | 0.0000 | 71.810 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.533 | 0.0000 | 0.0000 | 71.810 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.542 | 0.0000 | 0.0000 | 71.809 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.550 | 0.0000 | 0.0000 | 71.809 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.558 | 0.0000 | 0.0000 | 71.809 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.567 | 0.0000 | 0.0000 | 71.808 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.575 | 0.0000 | 0.0000 | 71,808 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.583 | 0.0000 | 0.0000 | 71.807 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.592 | 0.0000 | 0.0000 | 71.807 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.600 | 0.0000 | 0.0000 | 71.807 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.608 | 0.0000 | 0.0000 | 71.806 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.617 | 0.0000 | 0.0000 | 71.806 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.625 | 0.0000 | 0.0000 | 71.806 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.633 | 0.0000 | 0.0000 | 71.805 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.642 | 0.0000 | 0.0000 | 71.805 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.650 | 0.0000 | 0.0000 | 71.804 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.658 | 0.0000 | 0.0000 | 71.804 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.667 | 0.0000 | 0.0000 | 71.804 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.675 | 0.0000 | 0.0000 | 71.803 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.683 | 0.0000 | 0.0000 | 71.803 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.692 | 0.0000 | 0.0000 | 71.803 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.700 | 0.0000 | 0.0000 | 71.802 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.708 | 0.0000 | 0.0000 | 71.802 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.717 | 0.0000 | 0.0000 | 71.801 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.725 | 0.0000 | 0.0000 | 71.801 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.733 | 0.0000 | 0.0000 | 71.801 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.742 | 0.0000 | 0.0000 | 71.800 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.750 | 0.0000 | 0.0000 | 71.800 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.758 | 0.0000 | 0.0000 | 71.799 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.767 | 0.0000 | 0.0000 | 71.799 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.775 | 0.0000 | 0.0000 | 71.799 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.783 | 0.0000 | 0.0000 | 71.798 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.792 | 0.0000 | 0.0000 | 71.798 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.800 | 0.0000 | 0.0000 | 71.798 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.808 | 0.0000 | 0.0000 | 71.797 | 0.00000 | 0.00000 | 789605.1 | 789605.7 | 0.0 | S |
| 107.817 | 0.0000 | 0.0000 | 71.797 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.825 | 0.0000 | 0.0000 | 71.796 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.833 | 0.0000 | 0.0000 | 71.796 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.842 | 0.0000 | 0.0000 | 71.796 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.850 | 0.0000 | 0.0000 | 71.795 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.858 | 0.0000 | 0.0000 | 71.795 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.867 | 0.0000 | 0.0000 | 71.795 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.875 | 0.0000 | 0.0000 | 71.794 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.883 | 0.0000 | 0.0000 | 71.794 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.892 | 0.0000 | 0.0000 | 71.793 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.900 | 0.0000 | 0.0000 | 71.793 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.908 | 0.0000 | 0.0000 | 71.793 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: Pond 5100 yr / 24 hr

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (f/day) | Stage Elevation (ft datum) | Infitration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{n}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{t}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 107.917 | 0.0000 | 0.0000 | 71.792 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.925 | 0.0000 | 0.0000 | 71.792 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.933 | 0.0000 | 0.0000 | 71.791 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.942 | 0.0000 | 0.0000 | 71.791 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.950 | 0.0000 | 0.0000 | 71.791 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.958 | 0.0000 | 0.0000 | 71.790 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.967 | 0.0000 | 0.0000 | 71.790 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.975 | 0.0000 | 0.0000 | 71.790 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.983 | 0.0000 | 0.0000 | 71.789 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 107.992 | 0.0000 | 0.0000 | 71.789 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.000 | 0.0000 | 0.0000 | 71.788 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.008 | 0.0000 | 0.0000 | 71.788 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.017 | 0.0000 | 0.0000 | 71.788 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.025 | 0.0000 | 0.0000 | 71.787 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.033 | 0.0000 | 0.0000 | 71.787 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.042 | 0.0000 | 0.0000 | 71.787 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.050 | 0.0000 | 0.0000 | 71.786 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.058 | 0.0000 | 0.0000 | 71.786 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.067 | 0.0000 | 0.0000 | 71.785 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.075 | 0.0000 | 0.0000 | 71.785 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.083 | 0.0000 | 0.0000 | 71.785 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.092 | 0.0000 | 0.0000 | 71.784 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.100 | 0.0000 | 0.0000 | 71.784 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.108 | 0.0000 | 0.0000 | 71.783 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.117 | 0.0000 | 0.0000 | 71.783 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.125 | 0.0000 | 0.0000 | 71.783 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.133 | 0.0000 | 0.0000 | 71.782 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.142 | 0.0000 | 0.0000 | 71.782 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.150 | 0.0000 | 0.0000 | 71.782 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.158 | 0.0000 | 0.0000 | 71.781 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.167 | 0.0000 | 0.0000 | 71.781 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.175 | 0.0000 | 0.0000 | 71.780 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.183 | 0.0000 | 0.0000 | 71.780 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.192 | 0.0000 | 0.0000 | 71.780 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.200 | 0.0000 | 0.0000 | 71.779 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.208 | 0.0000 | 0.0000 | 71.779 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.217 | 0.0000 | 0.0000 | 71.778 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.225 | 0.0000 | 0.0000 | 71.778 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.233 | 0.0000 | 0.0000 | 71.778 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.242 | 0.0000 | 0.0000 | 71.777 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.250 | 0.0000 | 0.0000 | 71.777 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.258 | 0.0000 | 0.0000 | 71.777 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.267 | 0.0000 | 0.0000 | 71.776 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.275 | 0.0000 | 0.0000 | 71.776 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.283 | 0.0000 | 0.0000 | 71.775 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.292 | 0.0000 | 0.0000 | 71.775 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.300 | 0.0000 | 0.0000 | 71.775 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.308 | 0.0000 | 0.0000 | 71.774 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.317 | 0.0000 | 0.0000 | 71.774 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.325 | 0.0000 | 0.0000 | 71.774 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.333 | 0.0000 | 0.0000 | 71.773 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.342 | 0.0000 | 0.0000 | 71.773 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.350 | 0.0000 | 0.0000 | 71.772 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.358 | 0.0000 | 0.0000 | 71.772 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.367 | 0.0000 | 0.0000 | 71.772 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.375 | 0.0000 | 0.0000 | 71.771 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.383 | 0.0000 | 0.0000 | 71.771 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.392 | 0.0000 | 0.0000 | 71.770 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.400 | 0.0000 | 0.0000 | 71.770 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.408 | 0.0000 | 0.0000 | 71.770 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.417 | 0.0000 | 0.0000 | 71.769 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.425 | 0.0000 | 0.0000 | 71.769 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.433 | 0.0000 | 0.0000 | 71.769 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.442 | 0.0000 | 0.0000 | 71.768 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.450 | 0.0000 | 0.0000 | 71.768 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.458 | 0.0000 | 0.0000 | 71.767 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.467 | 0.0000 | 0.0000 | 71.767 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.475 | 0.0000 | 0.0000 | 71.767 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.483 | 0.0000 | 0.0000 | 71.766 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.492 | 0.0000 | 0.0000 | 71.766 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.500 | 0.0000 | 0.0000 | 71.765 | 0.00000 | 0.00000 | 789605.7 | 789605.1 | 0.0 | S |
| 108.508 | 0.0000 | 0.0000 | 71.765 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.517 | 0.0000 | 0.0000 | 71.765 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.525 | 0.0000 | 0.0000 | 71.764 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Ovenlow Discharge ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{t}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{t}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 108.533 | 0.0000 | 0.0000 | 71.764 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.542 | 0.0000 | 0.0000 | 71.764 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.550 | 0.0000 | 0.0000 | 71.763 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.558 | 0.0000 | 0.0000 | 71.763 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.567 | 0.0000 | 0.0000 | 71.762 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.575 | 0.0000 | 0.0000 | 71.762 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.583 | 0.0000 | 0.0000 | 71.762 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.592 | 0.0000 | 0.0000 | 71.761 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.600 | 0.0000 | 0.0000 | 71.761 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.608 | 0.0000 | 0.0000 | 71.760 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.617 | 0.0000 | 0.0000 | 71.760 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.625 | 0.0000 | 0.0000 | 71.760 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.633 | 0.0000 | 0.0000 | 71.759 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.642 | 0.0000 | 0.0000 | 71.759 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.650 | 0.0000 | 0.0000 | 71.759 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.658 | 0.0000 | 0.0000 | 71.758 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.667 | 0.0000 | 0.0000 | 71.758 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.675 | 0.0000 | 0.0000 | 71.757 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.683 | 0.0000 | 0.0000 | 71.757 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.692 | 0.0000 | 0.0000 | 71.757 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.700 | 0.0000 | 0.0000 | 71.756 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.708 | 0.0000 | 0.0000 | 71.756 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.717 | 0.0000 | 0.0000 | 71.755 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.725 | 0.0000 | 0.0000 | 71.755 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.733 | 0.0000 | 0.0000 | 71.755 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.742 | 0.0000 | 0.0000 | 71.754 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.750 | 0.0000 | 0.0000 | 71.754 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.758 | 0.0000 | 0.0000 | 71.754 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.767 | 0.0000 | 0.0000 | 71.753 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.775 | 0.0000 | 0.0000 | 71.753 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.783 | 0.0000 | 0.0000 | 71.752 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.792 | 0.0000 | 0.0000 | 71.752 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.800 | 0.0000 | 0.0000 | 71.752 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.808 | 0.0000 | 0.0000 | 71.751 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.817 | 0.0000 | 0.0000 | 71.751 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.825 | 0.0000 | 0.0000 | 71.750 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.833 | 0.0000 | 0.0000 | 71.750 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.842 | 0.0000 | 0.0000 | 71.750 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.850 | 0.0000 | 0.0000 | 71.749 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.858 | 0.0000 | 0.0000 | 71.749 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.867 | 0.0000 | 0.0000 | 71.749 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.875 | 0.0000 | 0.0000 | 71.748 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.883 | 0.0000 | 0.0000 | 71.748 | 0.00000 | 0.00000 | 789605.1 | 789605. 7 | 0.0 | S |
| 108.892 | 0.0000 | 0.0000 | 71.747 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.900 | 0.0000 | 0.0000 | 71.747 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.908 | 0.0000 | 0.0000 | 71.747 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.917 | 0.0000 | 0.0000 | 71.746 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.925 | 0.0000 | 0.0000 | 71.746 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.933 | 0.0000 | 0.0000 | 71.745 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.942 | 0.0000 | 0.0000 | 71.745 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.950 | 0.0000 | 0.0000 | 71.745 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.958 | 0.0000 | 0.0000 | 71.744 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.967 | 0.0000 | 0.0000 | 71.744 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.975 | 0.0000 | 0.0000 | 71.744 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.983 | 0.0000 | 0.0000 | 71.743 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 108.992 | 0.0000 | 0.0000 | 71.743 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.000 | 0.0000 | 0.0000 | 71.742 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.008 | 0.0000 | 0.0000 | 71.742 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.017 | 0.0000 | 0.0000 | 71.742 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.025 | 0.0000 | 0.0000 | 71.741 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.033 | 0.0000 | 0.0000 | 71.741 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.042 | 0.0000 | 0.0000 | 71.740 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.050 | 0.0000 | 0.0000 | 71.740 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.058 | 0.0000 | 0.0000 | 71.740 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.067 | 0.0000 | 0.0000 | 71.739 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.075 | 0.0000 | 0.0000 | 71.739 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.083 | 0.0000 | 0.0000 | 71.739 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.092 | 0.0000 | 0.0000 | 71.738 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.100 | 0.0000 | 0.0000 | 71.738 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.108 | 0.0000 | 0.0000 | 71.737 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.117 | 0.0000 | 0.0000 | 71.737 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.125 | 0.0000 | 0.0000 | 71.737 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.133 | 0.0000 | 0.0000 | 71.736 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.142 | 0.0000 | 0.0000 | 71.736 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infitration Rate (f $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Voiume ( [ $^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 109.150 | 0.0000 | 0.0000 | 71.735 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.158 | 0.0000 | 0.0000 | 71.735 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.167 | 0.0000 | 0.0000 | 71.735 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.175 | 0.0000 | 0.0000 | 71.734 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.183 | 0.0000 | 0.0000 | 71.734 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.192 | 0.0000 | 0.0000 | 71.734 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.200 | 0.0000 | 0.0000 | 71.733 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.208 | 0.0000 | 0.0000 | 71.733 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.217 | 0.0000 | 0.0000 | 71.732 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.225 | 0.0000 | 0.0000 | 71.732 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.233 | 0.0000 | 0.0000 | 71.732 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.242 | 0.0000 | 0.0000 | 71.731 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.250 | 0.0000 | 0.0000 | 71.731 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.258 | 0.0000 | 0.0000 | 71.730 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.267 | 0.0000 | 0.0000 | 71.730 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.275 | 0.0000 | 0.0000 | 71.730 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.283 | 0.0000 | 0.0000 | 71.729 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.292 | 0.0000 | 0.0000 | 71.729 | 0.00000 | 0.00000 | 788605.1 | 789605.1 | 0.0 | S |
| 109.300 | 0.0000 | 0.0000 | 71.729 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.308 | 0.0000 | 0.0000 | 71.728 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.317 | 0.0000 | 0.0000 | 71.728 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.325 | 0.0000 | 0.0000 | 71.727 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.333 | 0.0000 | 0.0000 | 71.727 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.342 | 0.0000 | 0.0000 | 71.727 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.350 | 0.0000 | 0.0000 | 71.726 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.358 | 0.0000 | 0.0000 | 71.726 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.367 | 0.0000 | 0.0000 | 71.725 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.375 | 0.0000 | 0.0000 | 71.725 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.383 | 0.0000 | 0.0000 | 71.725 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.392 | 0.0000 | 0.0000 | 71.724 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.400 | 0.0000 | 0.0000 | 71.724 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.408 | 0.0000 | 0.0000 | 71.724 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.417 | 0.0000 | 0.0000 | 71.723 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.425 | 0.0000 | 0.0000 | 71.723 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.433 | 0.0000 | 0.0000 | 71.722 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.442 | 0.0000 | 0.0000 | 71.722 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.450 | 0.0000 | 0.0000 | 71.722 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.458 | 0.0000 | 0.0000 | 71.721 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.467 | 0.0000 | 0.0000 | 71.721 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.475 | 0.0000 | 0.0000 | 71.720 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.483 | 0.0000 | 0.0000 | 71.720 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.492 | 0.0000 | 0.0000 | 71.720 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.500 | 0.0000 | 0.0000 | 71.719 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.508 | 0.0000 | 0.0000 | 71.719 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.517 | 0.0000 | 0.0000 | 71.719 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.525 | 0.0000 | 0.0000 | 71.718 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.533 | 0.0000 | 0.0000 | 71.718 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.542 | 0.0000 | 0.0000 | 71.717 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.550 | 0.0000 | 0.0000 | 71.717 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.558 | 0.0000 | 0,0000 | 71.717 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.567 | 0.0000 | 0.0000 | 71.716 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.575 | 0.0000 | 0.0000 | 71.716 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.583 | 0.0000 | 0.0000 | 71.715 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.592 | 0.0000 | 0.0000 | 71.715 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.600 | 0.0000 | 0.0000 | 71.715 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.608 | 0.0000 | 0.0000 | 71.714 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.617 | 0.0000 | 0.0000 | 71.714 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.625 | 0.0000 | 0.0000 | 71.714 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.633 | 0.0000 | 0.0000 | 71.713 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.642 | 0.0000 | 0.0000 | 71.713 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.650 | 0.0000 | 0.0000 | 71.712 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.658 | 0.0000 | 0.0000 | 71.712 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.667 | 0.0000 | 0.0000 | 71.712 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.675 | 0.0000 | 0.0000 | 71.711 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.683 | 0.0000 | 0.0000 | 71.711 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.692 | 0.0000 | 0.0000 | 71.710 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.700 | 0.0000 | 0.0000 | 71.710 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.708 | 0.0000 | 0.0000 | 71.710 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.717 | 0.0000 | 0.0000 | 71.709 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.725 | 0.0000 | 0.0000 | 71.709 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.733 | 0.0000 | 0.0000 | 71.708 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.742 | 0.0000 | 0.0000 | 71.708 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.750 | 0.0000 | 0.0000 | 71.708 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.758 | 0.0000 | 0.0000 | 71.707 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / 3}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overfiow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 109.767 | 0.0000 | 0.0000 | 71.707 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.775 | 0.0000 | 0.0000 | 71.707 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.783 | 0.0000 | 0.0000 | 71.706 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.792 | 0.0000 | 0.0000 | 71.706 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.800 | 0.0000 | 0.0000 | 71.705 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.808 | 0.0000 | 0.0000 | 71.705 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.817 | 0.0000 | 0.0000 | 71.705 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.825 | 0.0000 | 0.0000 | 71.704 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.833 | 0.0000 | 0.0000 | 71.704 | 0.00000 | 0.00000 | 789605.1 | 789605.7 | 0.0 | S |
| 109.842 | 0.0000 | 0.0000 | 71.703 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.850 | 0.0000 | 0.0000 | 71,703 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.858 | 0.0000 | 0.0000 | 71.703 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.867 | 0.0000 | 0.0000 | 71.702 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.875 | 0.0000 | 0.0000 | 71.702 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.883 | 0.0000 | 0.0000 | 71.702 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.892 | 0.0000 | 0.0000 | 71.701 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.900 | 0.0000 | 0.0000 | 71.701 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.908 | 0.0000 | 0.0000 | 71.700 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.917 | 0.0000 | 0.0000 | 71.700 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.925 | 0.0000 | 0.0000 | 71.700 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.933 | 0.0000 | 0.0000 | 71.699 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.942 | 0.0000 | 0.0000 | 71.699 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.950 | 0.0000 | 0.0000 | 71.698 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.958 | 0.0000 | 0.0000 | 71.698 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.967 | 0.0000 | 0.0000 | 71.698 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.975 | 0.0000 | 0.0000 | 71.697 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.983 | 0.0000 | 0.0000 | 71.697 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 109.992 | 0.0000 | 0.0000 | 71.697 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.000 | 0.0000 | 0.0000 | 71.696 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.008 | 0.0000 | 0.0000 | 71.696 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.017 | 0.0000 | 0.0000 | 71.695 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.025 | 0.0000 | 0.0000 | 71.695 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.033 | 0.0000 | 0.0000 | 71.695 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.042 | 0.0000 | 0.0000 | 71.694 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.050 | 0.0000 | 0.0000 | 71.694 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.058 | 0.0000 | 0.0000 | 71.693 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.067 | 0.0000 | 0.0000 | 71.693 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.075 | 0.0000 | 0.0000 | 71.693 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.083 | 0.0000 | 0.0000 | 71.692 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| \$10.092 | 0.0000 | 0.0000 | 71.692 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.100 | 0.0000 | 0.0000 | 71.692 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.108 | 0.0000 | 0.0000 | 71.691 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.117 | 0.0000 | 0.0000 | 71.691 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.125 | 0.0000 | 0.0000 | 71.690 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.133 | 0.0000 | 0.0000 | 71.690 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.142 | 0.0000 | 0.0000 | 71.690 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.150 | 0.0000 | 0.0000 | 71.689 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.158 | 0.0000 | 0.0000 | 71.689 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.167 | 0.0000 | 0.0000 | 71.688 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.175 | 0.0000 | 0.0000 | 71.688 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.183 | 0.0000 | 0.0000 | 71.688 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.192 | 0.0000 | 0.0000 | 71.687 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.200 | 0.0000 | 0.0000 | 71.687 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.208 | 0.0000 | 0.0000 | 71.687 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.217 | 0.0000 | 0.0000 | 71.686 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.225 | 0.0000 | 0.0000 | 71.686 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.233 | 0.0000 | 0.0000 | 71.685 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| \$10.242 | 0.0000 | 0.0000 | 71.685 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.250 | 0.0000 | 0.0000 | 71.685 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.258 | 0.0000 | 0.0000 | 71.684 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.267 | 0.0000 | 0.0000 | 71.684 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.275 | 0.0000 | 0.0000 | 71.683 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.283 | 0.0000 | 0.0000 | 71.683 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.292 | 0.0000 | 0.0000 | 71.683 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.300 | 0.0000 | 0.0000 | 71.682 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.308 | 0.0000 | 0.0000 | 71.682 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.317 | 0.0000 | 0.0000 | 71.681 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.325 | 0.0000 | 0.0000 | 71.681 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.333 | 0.0000 | 0.0000 | 71.681 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.342 | 0.0000 | 0.0000 | 71.680 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.350 | 0.0000 | 0.0000 | 71.680 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.358 | 0.0000 | 0.0000 | 71.680 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.367 | 0.0000 | 0.0000 | 71.679 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| \$10.375 | 0.0000 | 0.0000 | 71.679 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

## Detailed Results (cont,d.) :: Scenario 1 :: Pond 5100 yr / 24 hr

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate (f $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative <br> Discharge <br> Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 110.383 | 0.0000 | 0.0000 | 71.678 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.392 | 0.0000 | 0.0000 | 71.678 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.400 | 0.0000 | 0.0000 | 71.678 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.408 | 0.0000 | 0.0000 | 71.677 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.417 | 0.0000 | 0.0000 | 71.677 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.425 | 0.0000 | 0.0000 | 71.676 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.433 | 0.0000 | 0.0000 | 71.676 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.442 | 0.0000 | 0.0000 | 71.676 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.450 | 0.0000 | 0.0000 | 71.675 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.458 | 0.0000 | 0.0000 | 71.675 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.467 | 0.0000 | 0.0000 | 71.675 | 0.00000 | 0.00000 | 789605.1 | 789605,1 | 0.0 | S |
| 110.475 | 0.0000 | 0.0000 | 71.674 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.483 | 0.0000 | 0.0000 | 71.674 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.492 | 0.0000 | 0.0000 | 71.673 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.500 | 0.0000 | 0.0000 | 71.673 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| \$10.508 | 0.0000 | 0.0000 | 71.673 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.517 | 0.0000 | 0.0000 | 71.672 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.525 | 0.0000 | 0.0000 | 71.672 | 0.00000 | 0.00000 | 789605.1 | 789605. | 0.0 | S |
| 110.533 | 0.0000 | 0.0000 | 71.671 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.542 | 0.0000 | 0.0000 | 71.671 | 0,00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.550 | 0.0000 | 0.0000 | 71.671 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.558 | 0.0000 | 0.0000 | 71.670 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.567 | 0.0000 | 0.0000 | 71.670 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.575 | 0.0000 | 0.0000 | 71.670 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.583 | 0.0000 | 0.0000 | 71.669 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.592 | 0.0000 | 0.0000 | 71.669 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.600 | 0.0000 | 0.0000 | 71.668 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.608 | 0.0000 | 0.0000 | 71.668 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.617 | 0.0000 | 0.0000 | 71.668 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.625 | 0.0000 | 0.0000 | 71.667 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.633 | 0.0000 | 0.0000 | 71.667 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.642 | 0.0000 | 0.0000 | 71.666 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.650 | 0.0000 | 0.0000 | 71.666 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.658 | 0.0000 | 0.0000 | 71.666 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.667 | 0.0000 | 0.0000 | 71.665 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.675 | 0.0000 | 0.0000 | 71.665 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.683 | 0.0000 | 0.0000 | 71.665 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.692 | 0.0000 | 0.0000 | 71.664 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.700 | 0.0000 | 0.0000 | 71.664 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.708 | 0.0000 | 0.0000 | 71.663 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.717 | 0.0000 | 0.0000 | 71.663 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.725 | 0.0000 | 0.0000 | 71.663 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| \$10.733 | 0.0000 | 0.0000 | 71.662 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.742 | 0.0000 | 0.0000 | 71.662 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.750 | 0.0000 | 0.0000 | 71.661 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 170.758 | 0.0000 | 0.0000 | 71.661 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.767 | 0.0000 | 0.0000 | 71.661 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.775 | 0.0000 | 0.0000 | 71.660 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.783 | 0.0000 | 0.0000 | 71.660 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.792 | 0.0000 | 0.0000 | 71.660 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.800 | 0.0000 | 0.0000 | 71.659 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.808 | 0.0000 | 0.0000 | 71.659 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.817 | 0.0000 | 0.0000 | 71.658 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.825 | 0.0000 | 0.0000 | 71.658 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.833 | 0.0000 | 0.0000 | 71.658 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.842 | 0.0000 | 0.0000 | 71.657 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.850 | 0.0000 | 0.0000 | 71.657 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.858 | 0.0000 | 0.0000 | 71.656 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.867 | 0.0000 | 0.0000 | 71.656 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.875 | 0.0000 | 0.0000 | 71.656 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.883 | 0.0000 | 0.0000 | 71.655 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.892 | 0.0000 | 0.0000 | 71.655 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.900 | 0.0000 | 0.0000 | 71.654 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.908 | 0.0000 | 0.0000 | 71.654 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.917 | 0.0000 | 0.0000 | 71.654 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.925 | 0.0000 | 0.0000 | 71.653 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.933 | 0.0000 | 0.0000 | 71.653 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.942 | 0.0000 | 0.0000 | 71.653 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.950 | 0.0000 | 0.0000 | 71.652 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.958 | 0.0000 | 0.0000 | 71.652 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.967 | 0.0000 | 0.0000 | 71.651 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.975 | 0.0000 | 0.0000 | 71.651 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.983 | 0.0000 | 0.0000 | 71.651 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 110.992 | 0.0000 | 0.0000 | 71.650 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Infiow Rate ( $\mathrm{f}^{1 / \mathrm{s}}$ ) | Outside Recharge ( $\mathrm{f} / \mathrm{d}$ day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative <br> Discharge <br> Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 111.000 | 0.0000 | 0.0000 | 71.650 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.008 | 0.0000 | 0.0000 | 71.649 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.017 | 0.0000 | 0.0000 | 71.649 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.025 | 0.0000 | 0.0000 | 71.649 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.033 | 0.0000 | 0.0000 | 71.648 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.042 | 0.0000 | 0.0000 | 71.648 | 0.00000 | 0.00000 | 789605.7 | 789605.1 | 0.0 | S |
| 111.050 | 0.0000 | 0.0000 | 71.648 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.058 | 0.0000 | 0.0000 | 71.647 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.067 | 0.0000 | 0.0000 | 71.647 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.075 | 0.0000 | 0.0000 | 71.646 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.083 | 0.0000 | 0.0000 | 71.646 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.092 | 0.0000 | 0.0000 | 71.646 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.100 | 0.0000 | 0.0000 | 71.645 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.108 | 0.0000 | 0.0000 | 71.645 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.117 | 0.0000 | 0.0000 | 71.644 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.125 | 0.0000 | 0.0000 | 71.644 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.133 | 0.0000 | 0.0000 | 71.644 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.142 | 0.0000 | 0.0000 | 71.643 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.150 | 0.0000 | 0.0000 | 71.643 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.158 | 0.0000 | 0.0000 | 71.643 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.167 | 0.0000 | 0.0000 | 71.642 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.175 | 0.0000 | 0.0000 | 71.642 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.183 | 0.0000 | 0.0000 | 71.641 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.192 | 0.0000 | 0.0000 | 71.641 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.200 | 0.0000 | 0.0000 | 71.641 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.208 | 0.0000 | 0.0000 | 71.640 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.217 | 0.0000 | 0.0000 | 71.640 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.225 | 0.0000 | 0.0000 | 71.639 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.233 | 0.0000 | 0.0000 | 71.639 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.242 | 0.0000 | 0.0000 | 71.639 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.250 | 0.0000 | 0.0000 | 71.638 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.258 | 0.0000 | 0.0000 | 71.638 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.267 | 0.0000 | 0.0000 | 71.638 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.275 | 0.0000 | 0.0000 | 71.637 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.283 | 0.0000 | 0.0000 | 71.637 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.292 | 0.0000 | 0.0000 | 71.636 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.300 | 0.0000 | 0.0000 | 71.636 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.308 | 0.0000 | 0.0000 | 71.636 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.317 | 0.0000 | 0.0000 | 71.635 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.325 | 0.0000 | 0.0000 | 71.635 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.333 | 0.0000 | 0.0000 | 71.634 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.342 | 0.0000 | 0.0000 | 71.634 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.350 | 0.0000 | 0.0000 | 71.634 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.358 | 0.0000 | 0.0000 | 71.633 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.367 | 0.0000 | 0.0000 | 71.633 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.375 | 0.0000 | 0.0000 | 71.633 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.383 | 0.0000 | 0.0000 | 71.632 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.392 | 0.0000 | 0.0000 | 71.632 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.400 | 0.0000 | 0.0000 | 71.631 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.408 | 0.0000 | 0.0000 | 71.631 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.417 | 0.0000 | 0.0000 | 71.631 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.425 | 0.0000 | 0.0000 | 71.630 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.433 | 0.0000 | 0.0000 | 71.630 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.442 | 0.0000 | 0.0000 | 71.629 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.450 | 0.0000 | 0.0000 | 71.629 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.458 | 0.0000 | 0.0000 | 71.629 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.467 | 0.0000 | 0.0000 | 71.628 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.475 | 0.0000 | 0.0000 | 71.628 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.483 | 0.0000 | 0.0000 | 71.628 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.492 | 0.0000 | 0.0000 | 71.627 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.500 | 0.0000 | 0.0000 | 71.627 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.508 | 0.0000 | 0.0000 | 71.626 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.517 | 0.0000 | 0.0000 | 71.626 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.525 | 0.0000 | 0.0000 | 71.626 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.533 | 0.0000 | 0.0000 | 71.625 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.542 | 0.0000 | 0.0000 | 71.625 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.550 | 0.0000 | 0.0000 | 71.624 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.558 | 0.0000 | 0.0000 | 71.624 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| \$11.567 | 0.0000 | 0.0000 | 71.624 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.575 | 0.0000 | 0.0000 | 71.623 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.583 | 0.0000 | 0.0000 | 71.623 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.592 | 0.0000 | 0.0000 | 71.623 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.600 | 0.0000 | 0.0000 | 71.622 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.608 | 0.0000 | 0.0000 | 71.622 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method

Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / 5}$ ) | Cumulative Inflow Volume ( $\mathrm{t}^{3}$ ) | Cumulative Infilitration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 111.617 | 0.0000 | 0.0000 | 71.621 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.625 | 0.0000 | 0.0000 | 71.621 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.633 | 0.0000 | 0.0000 | 71.621 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.642 | 0.0000 | 0.0000 | 71.620 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.650 | 0.0000 | 0.0000 | 71.620 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.658 | 0.0000 | 0.0000 | 71.619 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.667 | 0.0000 | 0.0000 | 71.619 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.675 | 0.0000 | 0.0000 | 71.619 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.683 | 0.0000 | 0.0000 | 71.618 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.692 | 0.0000 | 0.0000 | 71.618 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.700 | 0.0000 | 0.0000 | 71.618 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.708 | 0.0000 | 0.0000 | 71.617 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.717 | 0.0000 | 0.0000 | 71.617 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.725 | 0.0000 | 0.0000 | 71.616 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.733 | 0.0000 | 0.0000 | 71.616 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.742 | 0.0000 | 0.0000 | 71.616 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.750 | 0.0000 | 0.0000 | 71.615 | 0.00000 | 0.00000 | 789605.1 | 789605.7 | 0.0 | S |
| 111.758 | 0.0000 | 0.0000 | 71.615 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.767 | 0.0000 | 0.0000 | 71.614 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.775 | 0.0000 | 0.0000 | 71.614 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.783 | 0.0000 | 0.0000 | 71.614 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.792 | 0.0000 | 0.0000 | 71.613 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.800 | 0.0000 | 0.0000 | 71.613 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.808 | 0.0000 | 0.0000 | 71.613 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.817 | 0.0000 | 0.0000 | 71.612 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.825 | 0.0000 | 0.0000 | 71.612 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.833 | 0.0000 | 0.0000 | 71.611 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.842 | 0.0000 | 0.0000 | 71.611 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.850 | 0.0000 | 0.0000 | 71.611 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.858 | 0.0000 | 0.0000 | 71.610 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.867 | 0.0000 | 0.0000 | 71.610 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.875 | 0.0000 | 0.0000 | 71.609 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.883 | 0.0000 | 0.0000 | 71.609 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.892 | 0.0000 | 0.0000 | 71.609 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.900 | 0.0000 | 0.0000 | 71.608 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.908 | 0.0000 | 0.0000 | 71.608 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.917 | 0.0000 | 0.0000 | 71.608 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.925 | 0.0000 | 0.0000 | 71.607 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.933 | 0.0000 | 0.0000 | 71.607 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.942 | 0.0000 | 0.0000 | 71.606 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.950 | 0.0000 | 0.0000 | 71.606 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.958 | 0.0000 | 0.0000 | 71.606 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.967 | 0.0000 | 0.0000 | 71.605 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.975 | 0.0000 | 0.0000 | 71.605 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.983 | 0.0000 | 0.0000 | 71.604 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 111.992 | 0.0000 | 0.0000 | 71.604 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.000 | 0.0000 | 0.0000 | 71.604 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.008 | 0.0000 | 0.0000 | 71.603 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.017 | 0.0000 | 0.0000 | 71.603 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.025 | 0.0000 | 0.0000 | 71.603 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.033 | 0.0000 | 0.0000 | 71.602 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.042 | 0.0000 | 0.0000 | 71.602 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.050 | 0.0000 | 0.0000 | 71.601 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.058 | 0.0000 | 0.0000 | 71.601 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.067 | 0.0000 | 0.0000 | 71.601 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.075 | 0.0000 | 0.0000 | 71.600 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.083 | 0.0000 | 0.0000 | 71.600 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.092 | 0.0000 | 0.0000 | 71.599 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| \$12.100 | 0.0000 | 0.0000 | 71.599 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.108 | 0.0000 | 0.0000 | 71.599 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.117 | 0.0000 | 0.0000 | 71.598 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.125 | 0.0000 | 0.0000 | 71.598 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.133 | 0.0000 | 0.0000 | 71.598 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.142 | 0.0000 | 0.0000 | 71.597 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.150 | 0.0000 | 0.0000 | 71.597 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.158 | 0.0000 | 0.0000 | 71.596 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.167 | 0.0000 | 0.0000 | 71.596 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.175 | 0.0000 | 0.0000 | 71.596 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.183 | 0.0000 | 0.0000 | 71.595 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.192 | 0.0000 | 0.0000 | 71.595 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.200 | 0.0000 | 0.0000 | 71.594 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.208 | 0.0000 | 0.0000 | 71.594 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.217 | 0.0000 | 0.0000 | 71.594 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.225 | 0.0000 | 0.0000 | 71.593 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate (f $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Voiume ( $\mathrm{t}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 112.233 | 0.0000 | 0.0000 | 71.593 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.242 | 0.0000 | 0.0000 | 71.593 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.250 | 0.0000 | 0.0000 | 71.592 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.258 | 0.0000 | 0.0000 | 71.592 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.267 | 0.0000 | 0.0000 | 71.591 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.275 | 0.0000 | 0.0000 | 71.591 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.283 | 0.0000 | 0.0000 | 71.591 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.292 | 0.0000 | 0.0000 | 71.590 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.300 | 0.0000 | 0.0000 | 71.590 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.308 | 0.0000 | 0.0000 | 71.589 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.317 | 0.0000 | 0.0000 | 71.589 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.325 | 0.0000 | 0.0000 | 71.589 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.333 | 0.0000 | 0.0000 | 71.588 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.342 | 0.0000 | 0.0000 | 71.588 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.350 | 0.0000 | 0.0000 | 71.588 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.358 | 0.0000 | 0.0000 | 71.587 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.367 | 0.0000 | 0.0000 | 71.587 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.375 | 0.0000 | 0.0000 | 71.586 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.383 | 0.0000 | 0.0000 | 71.586 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.392 | 0.0000 | 0.0000 | 71.586 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.400 | 0.0000 | 0.0000 | 71.585 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.408 | 0.0000 | 0.0000 | 71.585 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.417 | 0.0000 | 0.0000 | 71.584 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.425 | 0.0000 | 0.0000 | 71.584 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.433 | 0.0000 | 0.0000 | 71.584 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.442 | 0.0000 | 0.0000 | 71.583 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.450 | 0.0000 | 0.0000 | 71.583 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.458 | 0.0000 | 0.0000 | 71.583 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.467 | 0.0000 | 0.0000 | 71.582 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.475 | 0.0000 | 0.0000 | 71.582 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.483 | 0.0000 | 0.0000 | 71.581 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.492 | 0.0000 | 0.0000 | 71.581 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.500 | 0.0000 | 0.0000 | 71.581 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.508 | 0.0000 | 0.0000 | 71.580 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.517 | 0.0000 | 0.0000 | 71.580 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.525 | 0.0000 | 0.0000 | 71.579 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.533 | 0.0000 | 0.0000 | 71.579 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.542 | 0.0000 | 0.0000 | 71.579 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.550 | 0.0000 | 0.0000 | 71.578 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.558 | 0.0000 | 0.0000 | 71.578 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.567 | 0.0000 | 0.0000 | 71.578 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.575 | 0.0000 | 0.0000 | 71.577 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.583 | 0.0000 | 0.0000 | 71.577 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.592 | 0.0000 | 0.0000 | 71.576 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.600 | 0.0000 | 0.0000 | 71.576 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.608 | 0.0000 | 0.0000 | 71.576 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.617 | 0.0000 | 0.0000 | 71.575 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.625 | 0.0000 | 0.0000 | 71.575 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.633 | 0.0000 | 0.0000 | 71.575 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.642 | 0.0000 | 0.0000 | 71.574 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.650 | 0.0000 | 0.0000 | 71.574 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.658 | 0.0000 | 0.0000 | 71.573 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.667 | 0.0000 | 0.0000 | 71.573 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.675 | 0.0000 | 0.0000 | 71.573 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.683 | 0.0000 | 0.0000 | 71.572 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.692 | 0.0000 | 0.0000 | 71.572 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.700 | 0.0000 | 0.0000 | 71.571 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.708 | 0.0000 | 0.0000 | 71.571 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.717 | 0.0000 | 0.0000 | 71.571 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.725 | 0.0000 | 0.0000 | 71.570 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.733 | 0.0000 | 0.0000 | 71.570 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.742 | 0.0000 | 0.0000 | 71.570 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.750 | 0.0000 | 0.0000 | 71.569 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.758 | 0.0000 | 0.0000 | 71.569 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.767 | 0.0000 | 0.0000 | 71.568 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.775 | 0.0000 | 0.0000 | 71.568 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.783 | 0.0000 | 0.0000 | 71.568 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.792 | 0.0000 | 0.0000 | 71.567 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.800 | 0.0000 | 0.0000 | 71.567 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.808 | 0.0000 | 0.0000 | 71.566 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.817 | 0.0000 | 0.0000 | 71.566 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.825 | 0.0000 | 0.0000 | 71.566 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.833 | 0.0000 | 0.0000 | 71.565 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.842 | 0.0000 | 0.0000 | 71.565 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $5100 \mathrm{yr} / 24 \mathrm{hr}$

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{H}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume (ft ${ }^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 112.850 | 0.0000 | 0.0000 | 71.565 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.858 | 0.0000 | 0.0000 | 71.564 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.867 | 0.0000 | 0.0000 | 71.564 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.875 | 0.0000 | 0.0000 | 71.563 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.883 | 0.0000 | 0.0000 | 71.563 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.892 | 0.0000 | 0.0000 | 71.563 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.900 | 0.0000 | 0.0000 | 71.562 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.908 | 0.0000 | 0.0000 | 71.562 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.917 | 0.0000 | 0.0000 | 71.562 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.925 | 0.0000 | 0.0000 | 71.561 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.933 | 0.0000 | 0.0000 | 71.561 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.942 | 0.0000 | 0.0000 | 71.560 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.950 | 0.0000 | 0.0000 | 71.560 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.958 | 0.0000 | 0.0000 | 71.560 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.967 | 0.0000 | 0.0000 | 71.559 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.975 | 0.0000 | 0.0000 | 71.559 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.983 | 0.0000 | 0.0000 | 71.558 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 112.992 | 0.0000 | 0.0000 | 71.558 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 113.000 | 0.0000 | 0.0000 | 71.558 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 113.008 | 0.0000 | 0.0000 | 71.557 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 113.017 | 0.0000 | 0.0000 | 71.557 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 113.025 | 0.0000 | 0.0000 | 71.557 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 113.033 | 0.0000 | 0.0000 | 71.556 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 113.042 | 0.0000 | 0.0000 | 71.556 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 113.050 | 0.0000 | 0.0000 | 71.555 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 113.058 | 0.0000 | 0.0000 | 71.555 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 113.067 | 0.0000 | 0.0000 | 71.555 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 113.075 | 0.0000 | 0.0000 | 71.554 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 113.083 | 0.0000 | 0.0000 | 71.554 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 113.092 | 0.0000 | 0.0000 | 71.553 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 113.100 | 0.0000 | 0.0000 | 71.553 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 113.108 | 0.0000 | 0.0000 | 71.553 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 113.117 | 0.0000 | 0.0000 | 71.552 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 113.125 | 0.0000 | 0.0000 | 71.552 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 113.133 | 0.0000 | 0.0000 | 71.552 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 113.142 | 0.0000 | 0.0000 | 71.551 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 113.150 | 0.0000 | 0.0000 | 71.551 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 113.158 | 0.0000 | 0.0000 | 71.550 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 113.167 | 0.0000 | 0.0000 | 71.550 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 113.175 | 0.0000 | 0.0000 | 71.550 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 113.183 | 0.0000 | 0.0000 | 71.549 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| \$13.192 | 0.0000 | 0.0000 | 71.549 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | 5 |
| 113.200 | 0.0000 | 0.0000 | 71.549 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 113.208 | 0.0000 | 0.0000 | 71.548 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 113.217 | 0.0000 | 0.0000 | 71.548 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 113.225 | 0.0000 | 0.0000 | 71.547 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 113.233 | 0.0000 | 0.0000 | 71.547 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 113.242 | 0.0000 | 0.0000 | 71.547 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 173.250 | 0.0000 | 0.0000 | 71.546 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 113.258 | 0.0000 | 0.0000 | 71.546 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 113.267 | 0.0000 | 0.0000 | 71.545 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 113.275 | 0.0000 | 0.0000 | 71.545 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 113.283 | 0.0000 | 0.0000 | 71.545 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 113.292 | 0.0000 | 0.0000 | 71.544 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 113.300 | 0.0000 | 0.0000 | 71.544 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 113.308 | 0.0000 | 0.0000 | 71.544 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 113.317 | 0.0000 | 0.0000 | 71.543 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 113.325 | 0.0000 | 0.0000 | 71.543 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 113.333 | 0.0000 | 0.0000 | 71.542 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 113.342 | 0.0000 | 0.0000 | 71.542 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 113.350 | 0.0000 | 0.0000 | 71.542 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 113.358 | 0.0000 | 0.0000 | 71.541 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 113.367 | 0.0000 | 0.0000 | 71.541 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 113.375 | 0.0000 | 0.0000 | 71.540 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 113.383 | 0.0000 | 0.0000 | 71.540 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 113.392 | 0.0000 | 0.0000 | 71.540 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 113.400 | 0.0000 | 0.0000 | 71.539 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 113.408 | 0.0000 | 0.0000 | 71.539 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 113.417 | 0.0000 | 0.0000 | 71.539 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 113.425 | 0.0000 | 0.0000 | 71.538 | 0.00000 | 0.00000 | 789605.1 | 789605.7 | 0.0 | S |
| 113.433 | 0.0000 | 0.0000 | 71.538 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 113.442 | 0.0000 | 0.0000 | 71.537 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 113.450 | 0.0000 | 0.0000 | 71.537 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |
| 113.458 | 0.0000 | 0.0000 | 71.537 | 0.00000 | 0.00000 | 789605.1 | 789605.1 | 0.0 | S |

# PONDS Routing and Recovery Analysis 

## Buildout Results

Pond 6<br>100-year / 24-Hour Storm

Input Report<br>Summary of Results<br>Detailed Results

(Pond dry at Hour 25)

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

## Project Data

| Project Name: | Vista Landfill Redesign |
| :--- | :--- |
| Simulation Description: | Pond 6100 Year / 24 Hour Routing and Recovery Analysis w/ infiltration |
| Project Number: | $10-2141$ |
| Engineer : | cms |
| Supervising Engineer: | cms |
| Date: | $01-06-2011$ |

## Aquifer Data

Base Of Aquifer Elevation, $[\mathrm{B}]$ ( ft datum): ..... 66.00
Water Table Elevation, [WT] (ft datum): ..... 67.00
Horizontal Saturated Hydraulic Conductivity, [Kh] (ft/day): ..... 15.00
Fillable Porosity, [n] (\%): ..... 20.00
Unsaturated Vertical Infiltration Rate, [IV] (ft/day): ..... 5.0
Maximum Area For Unsaturated Infiltration, $[\mathrm{Av}]\left(\mathrm{ft}^{2}\right)$ : ..... 20849.0

## Geometry Data

Equivalent Pond Length, [L] (ft): 250.0

Equivalent Pond Width, [W] (ft): 50.0
Ground water mound is expected to intersect the pond bottom

## Stage vs Area Data

| Stage <br> (ft datum) | Area <br> $\left(\mathrm{ft}^{2}\right)$ |
| ---: | ---: | ---: |
| 85.00 | 3534.0 |
| 86.00 | 4822.0 |
| 87.00 | 6279.0 |
| 88.00 | 7905.0 |
| 89.00 | 9700.0 |
| 90.00 | 11665.0 |
| 91.00 | 13798.0 |
| 92.00 | 16314.0 |
| 93.00 | 18555.0 |
| 94.00 | 20849.0 |

## Discharge Structures

Discharge Structure \#1 is active as weir

## Structure Parameters

Description: pond 6 overflow
Weir elevation, (ft datum): $\quad 93.8$
Weir coefficient: $\quad 3.13$
Weir length, (ft): $\quad 17$
Weir exponent: $\quad 1.5$
Tailwater - disabled, free discharge

Discharge Structure \#2 is inactive
Discharge Structure \#3 is inactive

# Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E. 

## Scenario Input Data

Scenario 1 :: POND 6100 YR / 24 HR
Hydrograph Type: Inline SCS
Modflow Routing Routed with infilitration
Repetitions: ..... 1
Basin Area (acres) ..... 2.700
Time Of Concentration (minutes) ..... 10.0
DCIA (\%) ..... 0.0
Curve Number ..... 98
Design Rainfall Depth (inches) ..... 10.6
Design Rainfall Duration (hours) ..... 24.0
Shape Factor ..... UHG 484
Rainfall Distribution Orange County 100 Year - 24 Hour
Initial ground water level (ft datum) default, 67.00

| Time After <br> Storm Event <br> (days) |  | Time After <br> Storm Event <br> (days) |
| ---: | ---: | ---: |
|  |  | 7.000 |
| 2.000 |  | 11.000 |
| 3.000 |  | 14.000 |
| 4.000 |  |  |
| 5.000 |  |  |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Summary of Results :: Scenario 1 :: POND 6100 YR / 24 HR

|  | Time (hours) | Stage (ft datum) | Rate $\left(\mathrm{f}^{3} / \mathrm{s}\right)$ | Volume <br> (ft ${ }^{3}$ ) |
| :---: | :---: | :---: | :---: | :---: |
| Stage 00000 |  |  |  |  |
| Minimum | 0.000 | 67.00 |  |  |
| Maximum | 13.156 | 92.23 |  |  |
| Inflow |  |  |  |  |
| Rate - Maximum - Positive | 9.000 |  | 5.9382 |  |
| Rate - Maximum - Negative | None |  | None |  |
| Cumulative Volume - Maximum Positive | 24.511 |  |  | 101576.0 |
| Cumulative Volume - Maximum Negative | None |  |  | None |
| Cumulative Volume - End of Simulation | 360.578 |  |  | 101576.0 |
| Infiltration |  |  |  |  |
| Rate - Maximum - Positive | 13.178 |  | 0.9741 |  |
| Rate - Maximum - Negative | None |  | None |  |
| Cumulative Volume - Maximum Positive | 48.578 |  |  | 101576.0 |
| Cumulative Volume - Maximum Negative | None |  |  | None |
| Cumulative Volume - End of Simulation | 360.578 |  |  | 101576.0 |
| Combined Discharge None |  |  |  |  |
| Rate - Maximum - Positive | None |  | None |  |
| Rate - Maximum - Negative | None |  | None |  |
| Cumulative Volume - Maximum Positive | None |  |  | None |
| Cumulative Volume - Maximum Negative | None |  |  | None |
| Cumulative Volume - End of Simulation | 360.578 |  |  | 0.0 |
| Discharge Structure 1 -simple weir None |  |  |  |  |
| Rate - Maximum - Positive | None |  | None |  |
| Rate - Maximum - Negative | None |  | None |  |
| Cumulative Volume - Maximum Positive | None |  |  | None |
| Cumulative Volume - Maximum Negative | None |  |  | None |
| Cumulative Volume - End of Simulation | 360.578 |  |  | 0.0 |
| Discharge Structure 2 - inactive |  |  |  |  |
| Rate - Maximum - Positive | disabled |  | disabled |  |
| Rate - Maximum - Negative | disabled |  | disabled |  |
| Cumulative Volume - Maximum Positive | disabled |  |  |  |
| Cumulative Volume - Maximum Negative | disabled |  |  | disabled |
| Cumulative Volume - End of Simulation | disabled |  |  | disabled |
| Discharge Structure 3 - inactive disabled |  |  |  |  |
| Rate - Maximum - Positive | disabled |  | disabled |  |
| Rate-Maximum - Negative | disabled |  | disabled |  |
| Cumulative Volume - Maximum Positive | disabled |  |  | disabled |
| Cumulative Volume - Maximum Negative | disabled |  |  | disabled |
| Cumulative Volume - End of Simulation | disabled |  |  | disabled |
| Pollution Abatement: |  |  |  |  |
| 36 Hour Stage and Infiltration Volume | N.A. | N.A. |  | N.A. |
| 72 Hour Stage and Infiltration Volume | N.A. | N.A. |  | N.A. |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results :: Scenario 1 :: POND 6100 YR / 24 HR

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Rechafge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Infiow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{t}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 0.000 | 0.0000 | 0.0000 | 67.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | N.A. |
| 0.022 | 0.0000 | 0.0000 | 67.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.044 | 0.0000 | 0.0000 | 67.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.067 | 0.0000 | 0.0000 | 67.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.089 | 0.0000 | 0.0000 | 67.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.111 | 0.0000 | 0.0000 | 67.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.133 | 0.0000 | 0.0000 | 67.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.156 | 0.0000 | 0.0000 | 67.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.178 | 0.0000 | 0.0000 | 67.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.200 | 0.0000 | 0.0000 | 67.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.222 | 0.0000 | 0.0000 | 67.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.244 | 0.0000 | 0.0000 | 67.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.267 | 0.0000 | 0.0000 | 67.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.289 | 0.0000 | 0.0000 | 67.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.311 | 0.0000 | 0.0000 | 67.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.333 | 0.0000 | 0.0000 | 67.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.356 | 0.0000 | 0.0000 | 67.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.378 | 0.0000 | 0.0000 | 67.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.400 | 0.0000 | 0.0000 | 67.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.422 | 0.0000 | 0.0000 | 67.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.444 | 0.0000 | 0.0000 | 67.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.467 | 0.0000 | 0.0000 | 67.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.489 | 0.0000 | 0.0000 | 67.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.511 | 0.0000 | 0.0000 | 67.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.533 | 0.0000 | 0.0000 | 67.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.556 | 0.0000 | 0.0000 | 67.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.578 | 0.0000 | 0.0000 | 67.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.600 | 0.0000 | 0.0000 | 67.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.622 | 0.0000 | 0.0000 | 67.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.644 | 0.0000 | 0.0000 | 67.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.667 | 0.0000 | 0.0000 | 67.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.689 | 0.0000 | 0.0000 | 67.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.711 | 0.0000 | 0.0000 | 67.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.733 | 0.0000 | 0.0000 | 67.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.756 | 0.0000 | 0.0000 | 67.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.778 | 0.0000 | 0.0000 | 67.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.800 | 0.0000 | 0.0000 | 67.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.822 | 0.0000 | 0.0000 | 67.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.844 | 0.0000 | 0.0000 | 67.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.867 | 0.0000 | 0.0000 | 67.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.889 | 0.0000 | 0.0000 | 67.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.911 | 0.0000 | 0.0000 | 67.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.933 | 0.0000 | 0.0000 | 67.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.956 | 0.0000 | 0.0000 | 67.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.978 | 0.0000 | 0.0000 | 67.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.000 | 0.0000 | 0.0000 | 67.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.022 | 0.0000 | 0.0000 | 67.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.044 | 0.0000 | 0.0000 | 67.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.067 | 0.0000 | 0.0000 | 67.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.089 | 0.0000 | 0.0000 | 67.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.111 | 0.0000 | 0.0000 | 67.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.133 | 0.0000 | 0.0000 | 67.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.156 | 0.0000 | 0.0000 | 67.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.178 | 0.0000 | 0.0000 | 67.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.200 | 0.0000 | 0.0000 | 67.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.222 | 0.0000 | 0.0000 | 67.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.244 | 0.0000 | 0.0000 | 67.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.267 | 0.0000 | 0.0000 | 67.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.289 | 0.0000 | 0.0000 | 67.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.311 | 0.0000 | 0.0000 | 67.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.333 | 0.0000 | 0.0000 | 67.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.356 | 0.0000 | 0.0000 | 67.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.378 | 0.0000 | 0.0000 | 67.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.400 | 0.0000 | 0.0000 | 67.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.422 | 0.0000 | 0.0000 | 67.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.444 | 0.0000 | 0.0000 | 67.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.467 | 0.0000 | 0.0000 | 67.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.489 | 0.0000 | 0.0000 | 67.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.511 | 0.0000 | 0.0000 | 67.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| $\uparrow .533$ | 0.0000 | 0.0000 | 67.000 | 0.00003 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.556 | 0.0001 | 0.0000 | 67.000 | 0.00014 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.578 | 0.0004 | 0.0000 | 67.000 | 0.00047 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.600 | 0.0010 | 0.0000 | 67.000 | 0.00118 | 0.00000 | 0.1 | 0.1 | 0.0 | U |
| 1.622 | 0.0023 | 0.0000 | 67.000 | 0.00239 | 0.00000 | 0.2 | 0.2 | 0.0 | U |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: POND 6100 YR / 24 HR

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (fl/day) | Stage Elevation (ft datum) | Infiltration Rate (f $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1.644 | 0.0040 | 0.0000 | 67.000 | 0.00416 | 0.00000 | 0.5 | 0.5 | 0.0 | U |
| 1.667 | 0.0063 | 0.0000 | 67.000 | 0.00642 | 0.00000 | 0.9 | 0.9 | 0.0 | U |
| 1.689 | 0.0090 | 0.0000 | 67.000 | 0.00908 | 0.00000 | 1.5 | 1.5 | 0.0 | U |
| 1.711 | 0.0120 | 0.0000 | 67.001 | 0.01202 | 0.00000 | 2.3 | 2.3 | 0.0 | U |
| 1.733 | 0.0151 | 0.0000 | 67.001 | 0.01513 | 0.00000 | 3.4 | 3.4 | 0.0 | U |
| 1.756 | 0.0183 | 0.0000 | 67.001 | 0.01834 | 0.00000 | 4.8 | 4.8 | 0.0 | U |
| 1.778 | 0.0216 | 0.0000 | 67.002 | 0.02160 | 0.00000 | 6.3 | 6.3 | 0.0 | U |
| 1.800 | 0.0249 | 0.0000 | 67.002 | 0.02486 | 0.00000 | 8.2 | 8.2 | 0.0 | U |
| 1.822 | 0.0281 | 0.0000 | 67.002 | 0.02811 | 0.00000 | 10.3 | 10.3 | 0.0 | U |
| 1.844 | 0.0313 | 0.0000 | 67.003 | 0.03133 | 0.00000 | 12.7 | 12.7 | 0.0 | U |
| 1.867 | 0.0345 | 0.0000 | 67.004 | 0.03450 | 0.00000 | 15.3 | 15.3 | 0.0 | U |
| 1.889 | 0.0376 | 0.0000 | 67.004 | 0.03762 | 0.00000 | 18.2 | 18.2 | 0.0 | U |
| 1.911 | 0.0407 | 0.0000 | 67.005 | 0.04068 | 0.00000 | 21.4 | 21.4 | 0.0 | U |
| 1.933 | 0.0437 | 0.0000 | 67.006 | 0.04368 | 0.00000 | 24.7 | 24.7 | 0.0 | U |
| 1.956 | 0.0466 | 0.0000 | 67.007 | 0.04662 | 0.00000 | 28.3 | 28.3 | 0.0 | U |
| 1.978 | 0.0495 | 0.0000 | 67.008 | 0.04953 | 0.00000 | 32.2 | 32.2 | 0.0 | U |
| 2.000 | 0.0525 | 0.0000 | 67.009 | 0.05261 | 0.00000 | 36.3 | 36.3 | 0.0 | U |
| 2.022 | 0.0560 | 0.0000 | 67.010 | 0.05631 | 0.00000 | 40.6 | 40.6 | 0.0 | U |
| 2.044 | 0.0607 | 0.0000 | 67.011 | 0.06111 | 0.00000 | 45.3 | 45.3 | 0.0 | U |
| 2.067 | 0.0670 | 0.0000 | 67.012 | 0.06726 | 0.00000 | 50.4 | 50.4 | 0.0 | U |
| 2.089 | 0.0744 | 0.0000 | 67.013 | 0.07445 | 0.00000 | 56.0 | 56.0 | 0.0 | U |
| 2.111 | 0.0821 | 0.0000 | 67.015 | 0.08204 | 0.00000 | 62.3 | 62.3 | 0.0 | U |
| 2.133 | 0.0896 | 0.0000 | 67.017 | 0.08950 | 0.00000 | 69.2 | 69.2 | 0.0 | U |
| 2.156 | 0.0966 | 0.0000 | 67.018 | 0.09643 | 0.00000 | 76.6 | 76.6 | 0.0 | U |
| 2.178 | 0.1028 | 0.0000 | 67.020 | 0.10269 | 0.00000 | 84.6 | 84.6 | 0.0 | U |
| 2.200 | 0.1084 | 0.0000 | 67.022 | 0.10834 | 0.00000 | 93.0 | 93.0 | 0.0 | U |
| 2.222 | 0.1136 | 0.0000 | 67.024 | 0.11354 | 0.00000 | 101.9 | 101.9 | 0.0 | U |
| 2.244 | 0.1185 | 0.0000 | 67.027 | 0.11840 | 0.00000 | 111.2 | 111.2 | 0.0 | U |
| 2.267 | 0.1230 | 0.0000 | 67.029 | 0.12296 | 0.00000 | 120.9 | 120.9 | 0.0 | U |
| 2.289 | 0.1273 | 0.0000 | 67.031 | 0.12729 | 0.00000 | 130.9 | 130.9 | 0.0 | U |
| 2.311 | 0.1315 | 0.0000 | 67.034 | 0.13141 | 0.00000 | 141.2 | 141.2 | 0.0 | U |
| 2.333 | 0.1354 | 0.0000 | 67.036 | 0.13536 | 0.00000 | 151.9 | 151.9 | 0.0 | U |
| 2.356 | 0.1392 | 0.0000 | 67.039 | 0.13915 | 0.00000 | 162.9 | 162.9 | 0.0 | U |
| 2.378 | 0.1428 | 0.0000 | 67.042 | 0.14281 | 0.00000 | 174.2 | 174.2 | 0.0 | U |
| 2.400 | 0.1464 | 0.0000 | 67.045 | 0.14634 | 0.00000 | 185.7 | 185.7 | 0.0 | U |
| 2.422 | 0.1498 | 0.0000 | 67.047 | 0.14976 | 0.00000 | 197.6 | 197.6 | 0.0 | U |
| 2.444 | 0.1531 | 0.0000 | 67.050 | 0.15307 | 0.00000 | 209.7 | 209.7 | 0.0 | U |
| 2.467 | 0.1563 | 0.0000 | 67.053 | 0.15628 | 0.00000 | 222.1 | 222.1 | 0.0 | U |
| 2.489 | 0.1594 | 0.0000 | 67.056 | 0.15955 | 0.00000 | 234.7 | 234.7 | 0.0 | U |
| 2.511 | 0.1631 | 0.0000 | 67.059 | 0.16343 | 0.00000 | 247.6 | 247.6 | 0.0 | U |
| 2.533 | 0.1682 | 0.0000 | 67.063 | 0.16887 | 0.00000 | 260.9 | 260.9 | 0.0 | U |
| 2.556 | 0.1761 | 0.0000 | 67.066 | 0.17674 | 0.00000 | 274.6 | 274.6 | 0.0 | U |
| 2.578 | 0.1867 | 0.0000 | 67.069 | 0.18701 | 0.00000 | 289.1 | 289.1 | 0.0 | U |
| 2.600 | 0.1986 | 0.0000 | 67.073 | 0.19858 | 0.00000 | 304.6 | 304.6 | 0.0 | U |
| 2.622 | 0.2106 | 0.0000 | 85.000 | 0.20451 | 0.00000 | 320.9 | 320.9 | 0.0 | U/P |
| 2.644 | 0.2216 | 0.0000 | 85.000 | 0.20452 | 0.00000 | 338.2 | 337.3 | 0.0 | U/P |
| 2.667 | 0.2309 | 0.0000 | 85.001 | 0.20455 | 0.00000 | 356.3 | 353.6 | 0.0 | U/P |
| 2.689 | 0.2387 | 0.0000 | 85.001 | 0.20460 | 0.00000 | 375.1 | 370.0 | 0.0 | U/P |
| 2.711 | 0.2452 | 0.0000 | 85.002 | 0.20465 | 0.00000 | 394.4 | 386.4 | 0.0 | U/P |
| 2.733 | 0.2510 | 0.0000 | 85.003 | 0.20472 | 0.00000 | 414.3 | 402.8 | 0.0 | U/P |
| 2.756 | 0.2562 | 0.0000 | 85.004 | 0.20480 | 0.00000 | 434.6 | 419.1 | 0.0 | U/P |
| 2.778 | 0.2608 | 0.0000 | 85.006 | 0.20488 | 0.00000 | 455.3 | 435.5 | 0.0 | U/P |
| 2.800 | 0.2651 | 0.0000 | 85.007 | 0.20498 | 0.00000 | 476.3 | 451.9 | 0.0 | U/P |
| 2.822 | 0.2691 | 0.0000 | 85.008 | 0.20508 | 0.00000 | 497.7 | 468.3 | 0.0 | U/P |
| 2.844 | 0.2728 | 0.0000 | 85.010 | 0.20519 | 0.00000 | 519.3 | 484.7 | 0.0 | U/P |
| 2.867 | 0.2764 | 0.0000 | 85.011 | 0.20530 | 0.00000 | 541.3 | 501.1 | 0.0 | U/P |
| 2.889 | 0.2797 | 0.0000 | 85.013 | 0.20542 | 0.00000 | 563.6 | 517.6 | 0.0 | U/P |
| 2.911 | 0.2829 | 0.0000 | 85.015 | 0.20555 | 0.00000 | 586.1 | 534.0 | 0.0 | U/P |
| 2.933 | 0.2860 | 0.0000 | 85.016 | 0.20568 | 0.00000 | 608.8 | 550.5 | 0.0 | U/P |
| 2.956 | 0.2890 | 0.0000 | 85.018 | 0.20581 | 0.00000 | 631.8 | 566.9 | 0.0 | U/P |
| 2.978 | 0.2919 | 0.0000 | 85.020 | 0.20595 | 0.00000 | 655.1 | 583.4 | 0.0 | U/P |
| 3.000 | 0.2946 | 0.0000 | 85.022 | 0.20609 | 0.00000 | 678.5 | 599.9 | 0.0 | U/P |
| 3.022 | 0.3008 | 0.0000 | 85.024 | 0.20624 | 0.00000 | 702.3 | 616.4 | 0.0 | U/P |
| 3.044 | 0.3144 | 0.0000 | 85.026 | 0.20640 | 0.00000 | 726.9 | 632.9 | 0.0 | U/P |
| 3.067 | 0.3404 | 0.0000 | 85.029 | 0.20659 | 0.00000 | 753.1 | 649.4 | 0.0 | U/P |
| 3.089 | 0.3762 | 0.0000 | 85.033 | 0.20682 | 0.00000 | 781.8 | 665.9 | 0.0 | U/P |
| 3.111 | 0.4150 | 0.0000 | 85.037 | 0.20710 | 0.00000 | 813.4 | 682.5 | 0.0 | U/P |
| 3.133 | 0.4518 | 0.0000 | 85.042 | 0.20745 | 0.00000 | 848.1 | 699.1 | 0.0 | U/P |
| 3.156 | 0.4839 | 0.0000 | 85.048 | 0.20785 | 0.00000 | 885.5 | 715.7 | 0.0 | U/P |
| 3.178 | 0.5085 | 0.0000 | 85.054 | 0.20830 | 0.00000 | 925.2 | 732.3 | 0.0 | U/P |
| 3.200 | 0.5273 | 0.0000 | 85.061 | 0.20880 | 0.00000 | 966.7 | 749.0 | 0.0 | U/P |
| 3.222 | 0.5423 | 0.0000 | 85.068 | 0.20932 | 0.00000 | 1009.5 | 765.7 | 0.0 | U/P |
| 3.244 | 0.5546 | 0.0000 | 85.076 | 0.20987 | 0.00000 | 1053.3 | 782.5 | 0.0 | U/P |
| 3.267 | 0.5648 | 0.0000 | 85.083 | 0.21044 | 0.00000 | 1098.1 | 799.3 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: POND 6100 YR/24 HR

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}{ }^{3} / \mathrm{s}$ ) | Outside Recharge (fidday) | Stage Elevation (ft datum) | Infiltration Rate ( f / $/ \mathrm{s}$ ) | Overfow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{t}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{fl}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 3.289 | 0.5735 | 0.0000 | 85.091 | 0.21101 | 0.00000 | 1143.6 | 816.2 | 0.0 | U/P |
| 3.311 | 0.5809 | 0.0000 | 85.099 | 0.21161 | 0.00000 | 1189.8 | 833.1 | 0.0 | U/P |
| 3.333 | 0.5875 | 0.0000 | 85.107 | 0.21221 | 0.00000 | 1236.5 | 850.0 | 0.0 | U/P |
| 3.356 | 0.5933 | 0.0000 | 85.115 | 0.21282 | 0.00000 | 1283.8 | 867.0 | 0.0 | U/P |
| 3.378 | 0.5987 | 0.0000 | 85.124 | 0.21343 | 0.00000 | 1331.5 | 884.1 | 0.0 | U/P |
| 3.400 | 0.6035 | 0.0000 | 85.132 | 0.21405 | 0.00000 | 1379.5 | 901.2 | 0.0 | U/P |
| 3.422 | 0.6081 | 0.0000 | 85.141 | 0.21468 | 0.00000 | 1428.0 | 918.3 | 0.0 | U/P |
| 3.444 | 0.6123 | 0.0000 | 85.149 | 0.21531 | 0.00000 | 1476.8 | 935.5 | 0.0 | U/P |
| 3.467 | 0.6163 | 0.0000 | 85.158 | 0.21595 | 0.00000 | 1526.0 | 952.8 | 0.0 | U/P |
| 3.489 | 0.6201 | 0.0000 | 85.166 | 0.21659 | 0.00000 | 1575.4 | 970.1 | 0.0 | U/P |
| 3.511 | 0.6241 | 0.0000 | 85.175 | 0.21723 | 0.00000 | 1625.2 | 987.4 | 0.0 | U/P |
| 3.533 | 0.6298 | 0.0000 | 85.184 | 0.21787 | 0.00000 | 1675.4 | 1004.8 | 0.0 | U/P |
| 3.556 | 0.6389 | 0.0000 | 85.192 | 0.21853 | 0.00000 | 1726.1 | 1022.3 | 0.0 | U/P |
| 3.578 | 0.6523 | 0.0000 | 85.201 | 0.21919 | 0.00000 | 1777.7 | 1039.8 | 0.0 | U/P |
| 3.600 | 0.6686 | 0.0000 | 85.211 | 0.21987 | 0.00000 | 1830.6 | 1057.4 | 0.0 | U/P |
| 3.622 | 0.6852 | 0.0000 | 85.220 | 0.22058 | 0.00000 | 1884.7 | 1075.0 | 0.0 | U/P |
| 3.644 | 0.7005 | 0.0000 | 85.230 | 0.22130 | 0.00000 | 1940.2 | 1092.6 | 0.0 | U/P |
| 3.667 | 0.7134 | 0.0000 | 85.240 | 0.22205 | 0.00000 | 1996.7 | 1110.4 | 0.0 | U/P |
| 3.689 | 0.7235 | 0.0000 | 85.251 | 0.22281 | 0.00000 | 2054.2 | 1128.2 | 0.0 | U/P |
| 3.711 | 0.7314 | 0.0000 | 85.261 | 0.22358 | 0.00000 | 2112.4 | 1146.0 | 0.0 | U/P |
| 3.733 | 0.7379 | 0.0000 | 85.272 | 0.22436 | 0.00000 | 2171.2 | 1163.9 | 0.0 | U/P |
| 3.756 | 0.7433 | 0.0000 | 85.282 | 0.22515 | 0.00000 | 2230.4 | 1181.9 | 0.0 | U/P |
| 3.778 | 0.7480 | 0.0000 | 85.293 | 0.22594 | 0.00000 | 2290.1 | 1200.0 | 0.0 | U/P |
| 3.800 | 0.7520 | 0.0000 | 85.304 | 0.22674 | 0.00000 | 2350.1 | 1218.1 | 0.0 | U/P |
| 3.822 | 0.7556 | 0.0000 | 85.314 | 0.22754 | 0.00000 | 2410.4 | 1236.2 | 0.0 | U/P |
| 3.844 | 0.7588 | 0.0000 | 85.325 | 0.22834 | 0.00000 | 2470.9 | 1254.5 | 0.0 | U/P |
| 3.867 | 0.7618 | 0.0000 | 85.336 | 0.22914 | 0.00000 | 2531.8 | 1272.8 | 0.0 | U/P |
| 3.889 | 0.7645 | 0.0000 | 85.346 | 0.22994 | 0.00000 | 2592.8 | 1291.1 | 0.0 | U/P |
| 3.911 | 0.7674 | 0.0000 | 85.357 | 0.23074 | 0.00000 | 2654.1 | 1309.6 | 0.0 | U/P |
| 3.933 | 0.7695 | 0.0000 | 85.368 | 0.23154 | 0.00000 | 2715.5 | 1328.1 | 0.0 | U/P |
| 3.956 | 0.7717 | 0.0000 | 85.379 | 0.23234 | 0.00000 | 2777.2 | 1346.6 | 0.0 | U/P |
| 3.978 | 0.7739 | 0.0000 | 85.389 | 0.23314 | 0.00000 | 2839.0 | 1365.2 | 0.0 | U/P |
| 4.000 | 0.7760 | 0.0000 | 85.400 | 0.23394 | 0.00000 | 2901.0 | 1383.9 | 0.0 | U/P |
| 4.022 | 0.7808 | 0.0000 | 85.411 | 0.23474 | 0.00000 | 2963.3 | 1402.7 | 0.0 | U/P |
| 4.044 | 0.7931 | 0.0000 | 85.422 | 0.23554 | 0.00000 | 3026.2 | 1421.5 | 0.0 | U/P |
| 4.067 | 0.8187 | 0.0000 | 85.433 | 0.23636 | 0.00000 | 3090.7 | 1440.4 | 0.0 | U/P |
| 4.089 | 0.8575 | 0.0000 | 85.445 | 0.23721 | 0.00000 | 3157.8 | 1459.3 | 0.0 | U/P |
| 4.111 | 0.9028 | 0.0000 | 85.457 | 0.23812 | 0.00000 | 3228.2 | 1478.3 | 0.0 | U/P |
| 4.133 | 0.9474 | 0.0000 | 85.470 | 0.23908 | 0.00000 | 3302.2 | 1497.4 | 0.0 | U/P |
| 4.156 | 0.9866 | 0.0000 | 85.484 | 0.24010 | 0.00000 | 3379.5 | 1516.6 | 0.0 | U/P |
| 4.178 | 1.0173 | 0.0000 | 85.499 | 0.24116 | 0.00000 | 3459.7 | 1535.8 | 0.0 | U/P |
| 4.200 | 1.0398 | 0.0000 | 85.514 | 0.24227 | 0.00000 | 3542.0 | 1555.1 | 0.0 | U/P |
| 4.222 | 1.0563 | 0.0000 | 85.529 | 0.24340 | 0.00000 | 3625.8 | 1574.6 | 0.0 | U/P |
| 4.244 | 1.0690 | 0.0000 | 85.545 | 0.24455 | 0.00000 | 3710.8 | 1594.1 | 0.0 | U/P |
| 4.267 | 1.0788 | 0.0000 | 85.560 | 0.24571 | 0.00000 | 3796.8 | 1613.7 | 0.0 | U/P |
| 4.289 | 1.0865 | 0.0000 | 85.576 | 0.24688 | 0.00000 | 3883.4 | 1633.4 | 0.0 | U/P |
| 4.311 | 1.0926 | 0.0000 | 85.592 | 0.24805 | 0.00000 | 3970.5 | 1653.2 | 0.0 | U/P |
| 4.333 | 1.0975 | 0.0000 | 85.608 | 0.24922 | 0.00000 | 4058.1 | 1673.1 | 0.0 | U/P |
| 4.356 | 1.1016 | 0.0000 | 85.623 | 0.25039 | 0.00000 | 4146.1 | 1693.1 | 0.0 | U/P |
| 4.378 | 1.1051 | 0.0000 | 85.639 | 0.25156 | 0.00000 | 4234.4 | 1713.2 | 0.0 | U/P |
| 4.400 | 1.1081 | 0.0000 | 85.655 | 0.25273 | 0.00000 | 4322.9 | 1733.3 | 0.0 | U/P |
| 4.422 | 1.1107 | 0.0000 | 85.670 | 0.25389 | 0.00000 | 4411.7 | 1753.6 | 0.0 | U/P |
| 4.444 | 1.1131 | 0.0000 | 85.686 | 0.25505 | 0.00000 | 4500.6 | 1773.9 | 0.0 | U/P |
| 4.467 | 1.1152 | 0.0000 | 85.701 | 0.25621 | 0.00000 | 4589.7 | 1794.4 | 0.0 | U/P |
| 4.489 | 1.1173 | 0.0000 | 85.717 | 0.25737 | 0.00000 | 4679.0 | 1814.9 | 0.0 | U/P |
| 4.511 | 1.1191 | 0.0000 | 85.732 | 0.25852 | 0.00000 | 4768.5 | 1835.6 | 0.0 | U/P |
| 4.533 | 1.1216 | 0.0000 | 85.748 | 0.25966 | 0.00000 | 4858.1 | 1856.3 | 0.0 | U/P |
| 4.556 | 1.1257 | 0.0000 | 85.763 | 0.26081 | 0.00000 | 4948.0 | 1877.1 | 0.0 | U/P |
| 4.578 | 1.1327 | 0.0000 | 85.778 | 0.26195 | 0.00000 | 5038.4 | 1898.0 | 0.0 | U/P |
| 4.600 | 1.1419 | 0.0000 | 85.794 | 0.26309 | 0.00000 | 5129.3 | 1919.0 | 0.0 | U/P |
| 4.622 | 1.1518 | 0.0000 | 85.809 | 0.26425 | 0.00000 | 5221.1 | 1940.1 | 0.0 | U/P |
| 4.644 | 1.1611 | 0.0000 | 85.825 | 0.26540 | 0.00000 | 5313.6 | 1961.3 | 0.0 | U/P |
| 4.667 | 1.1691 | 0.0000 | 85.840 | 0.26656 | 0.00000 | 5406.8 | 1982.6 | 0.0 | U/P |
| 4.689 | 1.1753 | 0.0000 | 85.856 | 0.26773 | 0.00000 | 5500.6 | 2004.0 | 0.0 | U/P |
| 4.711 | 1.1799 | 0.0000 | 85.872 | 0.26890 | 0.00000 | 5594.8 | 2025.4 | 0.0 | U/P |
| 4.733 | 1.1836 | 0.0000 | 85.887 | 0.27006 | 0.00000 | 5689.3 | 2047.0 | 0.0 | U/P |
| 4.756 | 1.1866 | 0.0000 | 85.903 | 0.27123 | 0.00000 | 5784.1 | 2068.6 | 0.0 | U/P |
| 4.778 | 1.1891 | 0.0000 | 85.918 | 0.27239 | 0.00000 | 5879.2 | 2090.4 | 0.0 | U/P |
| 4.800 | 1.1912 | 0.0000 | 85.934 | 0.27355 | 0.00000 | 5974.4 | 2112.2 | 0.0 | U/P |
| 4.822 | 1.1930 | 0.0000 | 85.949 | 0.27470 | 0.00000 | 6069.7 | 2134.2 | 0.0 | U/P |
| 4.844 | 1.1945 | 0.0000 | 85.965 | 0.27585 | 0.00000 | 6165.2 | 2156.2 | 0.0 | U/P |
| 4.867 | 1.1959 | 0.0000 | 85.980 | 0.27700 | 0.00000 | 6260.9 | 2178.3 | 0.0 | U/P |
| 4.889 | 1.1972 | 0.0000 | 85.995 | 0.27814 | 0.00000 | 6356.6 | 2200.5 | 0.0 | U/P |
| 4.911 | 1.1984 | 0.0000 | 86.011 | 0.27933 | 0.00000 | 6452.4 | 2222.8 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: POND 6100 YR / 24 HR

| Elapsed Time (hours) | inflow Rate (ft ${ }^{3 / \mathrm{s}}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overfiow Discharge ( $\mathrm{H}^{3} / \mathrm{s}$ ) | $\begin{aligned} & \text { Cumulative } \\ & \text { Infiow } \\ & \text { Volume }\left(\mathrm{ft}^{3}\right) \end{aligned}$ | Cumulative infittration Volume ( $\mathrm{fl}^{3}$ ) | Cumulative <br> Discharge <br> Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4.933 | 1.1995 | 0.0000 | 86.026 | 0.28059 | 0.00000 | 6548.3 | 2245.2 | 0.0 | U/P |
| 4.956 | 1.2005 | 0.0000 | 86.041 | 0.28187 | 0.00000 | 6644.3 | 2267.7 | 0.0 | U/P |
| 4.978 | 1.2015 | 0.0000 | 86.056 | 0.28314 | 0.00000 | 6740.4 | 2290.3 | 0.0 | U/P |
| 5.000 | 1.2027 | 0.0000 | 86.071 | 0.28440 | 0.00000 | 6836.6 | 2313.0 | 0.0 | U/P |
| 5.022 | 1.2049 | 0.0000 | 86.086 | 0.28566 | 0.00000 | 6932.9 | 2335.8 | 0.0 | U/P |
| 5.044 | 1.2088 | 0.0000 | 86.101 | 0.28691 | 0.00000 | 7029.4 | 2358.7 | 0.0 | U/P |
| 5.067 | 1.2150 | 0.0000 | 86.116 | 0.28816 | 0.00000 | 7126.4 | 2381.7 | 0.0 | U/P |
| 5.089 | 1.2225 | 0.0000 | 86.130 | 0.28942 | 0.00000 | 7223.9 | 2404.8 | 0.0 | U/P |
| 5.111 | 1.2302 | 0.0000 | 86.145 | 0.29067 | 0.00000 | 7322.0 | 2428.0 | 0.0 | U/P |
| 5.133 | 1.2372 | 0.0000 | 86.160 | 0.29193 | 0.00000 | 7420.7 | 2451.3 | 0.0 | U/P |
| 5.156 | 1.2429 | 0.0000 | 86.175 | 0.29319 | 0.00000 | 7519.9 | 2474.7 | 0.0 | U/P |
| 5.178 | 1.2472 | 0.0000 | 86.190 | 0.29445 | 0.00000 | 7619.5 | 2498.2 | 0.0 | U/P |
| 5.200 | 1.2504 | 0.0000 | 86.205 | 0.29571 | 0.00000 | 7719.4 | 2521.8 | 0.0 | U/P |
| 5.222 | 1.2529 | 0.0000 | 86.220 | 0.29697 | 0.00000 | 7819.5 | 2545.5 | 0.0 | U/P |
| 5.244 | 1.2549 | 0.0000 | 86.235 | 0.29822 | 0.00000 | 7919.8 | 2569.3 | 0.0 | U/P |
| 5.267 | 1.2565 | 0.0000 | 86.250 | 0.29947 | 0.00000 | 8020.3 | 2593.2 | 0.0 | U/P |
| 5.289 | 1.2579 | 0.0000 | 86.264 | 0.30072 | 0.00000 | 8120.9 | 2617.3 | 0.0 | U/P |
| 5.311 | 1.2590 | 0.0000 | 86.279 | 0.30196 | 0.00000 | 8221.5 | 2641.4 | 0.0 | U/P |
| 5.333 | 1.2600 | 0.0000 | 86.294 | 0.30319 | 0.00000 | 8322.3 | 2665.6 | 0.0 | U/P |
| 5.356 | 1.2609 | 0.0000 | 86.308 | 0.30442 | 0.00000 | 8423.1 | 2689.9 | 0.0 | U/P |
| 5.378 | 1.2616 | 0.0000 | 86.323 | 0.30565 | 0.00000 | 8524.0 | 2714.3 | 0.0 | U/P |
| 5.400 | 1.2624 | 0.0000 | 86.337 | 0.30687 | 0.00000 | 8625.0 | 2738.8 | 0.0 | U/P |
| 5.422 | 1.2630 | 0.0000 | 86.351 | 0.30808 | 0.00000 | 8726.0 | 2763.4 | 0.0 | U/P |
| 5.444 | 1.2637 | 0.0000 | 86.366 | 0.30929 | 0.00000 | 8827.1 | 2788.1 | 0.0 | U/P |
| 5.467 | 1.2643 | 0.0000 | 86.380 | 0.31049 | 0.00000 | 8928.2 | 2812.9 | 0.0 | U/P |
| 5.489 | 1.2648 | 0.0000 | 86.394 | 0.31169 | 0.00000 | 9029.4 | 2837.7 | 0.0 | U/P |
| 5.511 | 1.2654 | 0.0000 | 86.408 | 0.31288 | 0.00000 | 9130.6 | 2862.7 | 0.0 | U/P |
| 5.533 | 1.2659 | 0.0000 | 86.422 | 0.31406 | 0.00000 | 9231.8 | 2887.8 | 0.0 | U/P |
| 5.556 | 1.2664 | 0.0000 | 86.436 | 0.31524 | 0.00000 | 9333.1 | 2913.0 | 0.0 | U/P |
| 5.578 | 1.2669 | 0.0000 | 86.450 | 0.31642 | 0.00000 | 9434.4 | 2938.2 | 0.0 | U/P |
| 5.600 | 1.2673 | 0.0000 | 86.464 | 0.31759 | 0.00000 | 9535.8 | 2963.6 | 0.0 | U/P |
| 5.622 | 1.2678 | 0.0000 | 86.478 | 0.31875 | 0.00000 | 9637.2 | 2989.1 | 0.0 | U/P |
| 5.644 | 1.2682 | 0.0000 | 86.492 | 0.31991 | 0.00000 | 9738.7 | 3014.6 | 0.0 | U/P |
| 5.667 | 1.2687 | 0.0000 | 86.505 | 0.32107 | 0.00000 | 9840.1 | 3040.2 | 0.0 | U/P |
| 5.689 | 1.2691 | 0.0000 | 86.519 | 0.32222 | 0.00000 | 9941.6 | 3066.0 | 0.0 | U/P |
| 5.711 | 1.2695 | 0.0000 | 86.532 | 0.32336 | 0.00000 | 10043.2 | 3091.8 | 0.0 | U/P |
| 5.733 | 1.2699 | 0.0000 | 86.546 | 0.32451 | 0.00000 | 10144.8 | 3117.7 | 0.0 | U/P |
| 5.756 | 1.2703 | 0.0000 | 86.559 | 0.32564 | 0.00000 | 10246.4 | 3143.7 | 0.0 | U/P |
| 5.778 | $\uparrow .2707$ | 0.0000 | 86.573 | 0.32677 | 0.00000 | 10348.0 | 3169.8 | 0.0 | U/P |
| 5.800 | $\uparrow .2711$ | 0.0000 | 86.586 | 0.32790 | 0.00000 | 10449.7 | 3196.0 | 0.0 | U/P |
| 5.822 | 1.2715 | 0.0000 | 86.599 | 0.32902 | 0.00000 | 10551.4 | 3222.3 | 0.0 | U/P |
| 5.844 | 1.2718 | 0.0000 | 86.612 | 0.33013 | 0.00000 | 10653.1 | 3248.6 | 0.0 | U/P |
| 5.867 | 1.2722 | 0.0000 | 86.626 | 0.33125 | 0.00000 | 10754.9 | 3275.1 | 0.0 | U/P |
| 5.889 | 1.2725 | 0.0000 | 86.639 | 0.33235 | 0.00000 | 10856.7 | 3301.6 | 0.0 | U/P |
| 5.911 | 1.2729 | 0.0000 | 86.652 | 0.33345 | 0.00000 | 10958.5 | 3328.3 | 0.0 | U/P |
| 5.933 | 1.2732 | 0.0000 | 86.665 | 0.33455 | 0.00000 | 11060.3 | 3355.0 | 0.0 | U/P |
| 5.956 | 1.2736 | 0.0000 | 86.678 | 0.33565 | 0.00000 | 11162.2 | 3381.8 | 0.0 | U/P |
| 5.978 | 1.2739 | 0.0000 | 86.691 | 0.33674 | 0.00000 | 11264.1 | 3408.7 | 0.0 | U/P |
| 6.000 | 1.2742 | 0.0000 | 86.703 | 0.33782 | 0.00000 | 11366.0 | 3435.7 | 0.0 | U/P |
| 6.022 | 1.2952 | 0.0000 | 86.716 | 0.33891 | 0.00000 | 11468.8 | 3462.8 | 0.0 | U/P |
| 6.044 | 1.3598 | 0.0000 | 86.730 | 0.34002 | 0.00000 | 11575.0 | 3489.9 | 0.0 | U/P |
| 6.067 | 1.4970 | 0.0000 | 86.745 | 0.34121 | 0.00000 | 11689.3 | 3517.2 | 0.0 | U/P |
| 6.089 | 1.6903 | 0.0000 | 86.761 | 0.34254 | 0.00000 | 11816.8 | 3544.5 | 0.0 | U/P |
| 6.111 | 1.8981 | 0.0000 | 86.781 | 0.34408 | 0.00000 | 11960.3 | 3572.0 | 0.0 | U/P |
| 6.133 | 2.0916 | 0.0000 | 86.803 | 0.34583 | 0.00000 | 12119.9 | 3599.6 | 0.0 | U/P |
| 6.156 | 2.2541 | 0.0000 | 86.827 | 0.34779 | 0.00000 | 12293.7 | 3627.3 | 0.0 | U/P |
| 6.178 | 2.3710 | 0.0000 | 86.853 | 0.34991 | 0.00000 | 12478.7 | 3655.2 | 0.0 | U/P |
| 6.200 | 2.4528 | 0.0000 | 86.880 | 0.35215 | 0.00000 | 12671.7 | 3683.3 | 0.0 | U/P |
| 6.222 | 2.5117 | 0.0000 | 86.908 | 0.35446 | 0.00000 | 12870.3 | 3711.5 | 0.0 | U/P |
| 6.244 | 2.5555 | 0.0000 | 86.937 | 0.35683 | 0.00000 | 13073.0 | 3740.0 | 0.0 | U/P |
| 6.267 | 2.5869 | 0.0000 | 86.965 | 0.35922 | 0.00000 | 13278.7 | 3768.6 | 0.0 | U/P |
| 6.289 | 2.6100 | 0.0000 | 86.994 | 0.36163 | 0.00000 | 13486.5 | 3797.5 | 0.0 | U/P |
| 6.371 | 2.6268 | 0.0000 | 87.022 | 0.36416 | 0.00000 | 13696.0 | 3826.5 | 0.0 | U/P |
| 6.333 | 2.6391 | 0.0000 | 87.051 | 0.36682 | 0.00000 | 13906.6 | 3855.7 | 0.0 | U/P |
| 6.356 | 2.6482 | 0.0000 | 87.080 | 0.36951 | 0.00000 | 14118.1 | 3885.2 | 0.0 | U/P |
| 6.378 | 2.6550 | 0.0000 | 87.108 | 0.37219 | 0.00000 | 14330.3 | 3914.9 | 0.0 | U/P |
| 6.400 | 2.6601 | 0.0000 | 87.136 | 0.37485 | 0.00000 | 14542.9 | 3944.7 | 0.0 | U/P |
| 6.422 | 2.6640 | 0.0000 | 87.164 | 0.37749 | 0.00000 | 14755.8 | 3974.8 | 0.0 | U/P |
| 6.444 | 2.6670 | 0.0000 | 87.192 | 0.38012 | 0.00000 | 14969.1 | 4005.1 | 0.0 | U/P |
| 6.467 | 2.6694 | 0.0000 | 87.220 | 0.38273 | 0.00000 | 15182.5 | 4035.7 | 0.0 | U/P |
| 6.489 | 2.6714 | 0.0000 | 87.247 | 0.38533 | 0.00000 | 15396.1 | 4066.4 | 0.0 | U/P |
| 6.511 | 2.6744 | 0.0000 | 87.274 | 0.38790 | 0.00000 | 15610.0 | 4097.3 | 0.0 | U/P |
| 6.533 | 2.6835 | 0.0000 | 87.302 | 0.39047 | 0.00000 | 15824.3 | 4128.4 | 0.0 | U/P |
| 6.556 | 2.7045 | 0.0000 | 87.329 | 0.39302 | 0.00000 | 16039.8 | 4159.8 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: POND 6100 YR/24 HR

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3 / \mathrm{s}} \mathrm{s}$ ) | Outside Recharge (fiday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / 3}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 6.578 | 2.7410 | 0.0000 | 87.356 | 0.39558 | 0.00000 | 16257.6 | 4191.3 | 0.0 | U/P |
| 6.600 | 2.7875 | 0.0000 | 87.383 | 0.39815 | 0.00000 | 16478.8 | 4223.1 | 0.0 | U/P |
| 6.622 | 2.8352 | 0.0000 | 87.411 | 0.40076 | 0.00000 | 16703.7 | 4255.0 | 0.0 | U/P |
| 6.644 | 2.8783 | 0.0000 | 87.439 | 0.40340 | 0.00000 | 16932.2 | 4287.2 | 0.0 | U/P |
| 6.667 | 2.9131 | 0.0000 | 87.468 | 0.40606 | 0.00000 | 17163.9 | 4319.6 | 0.0 | U/P |
| 6.689 | 2.9380 | 0.0000 | 87.496 | 0.40874 | 0.00000 | 17397.9 | 4352.2 | 0.0 | U/P |
| 6.711 | 2.9557 | 0.0000 | 87.525 | 0.41142 | 0.00000 | 17633.7 | 4385.0 | 0.0 | U/P |
| 6.733 | 2.9686 | 0.0000 | 87.553 | 0.41411 | 0.00000 | 17870.6 | 4418.0 | 0.0 | U/P |
| 6.756 | 2.9782 | 0.0000 | 87.582 | 0.41678 | 0.00000 | 18108.5 | 4451.2 | 0.0 | U/P |
| 6.778 | 2.9852 | 0.0000 | 87.610 | 0.41945 | 0.00000 | 18347.1 | 4484.7 | 0.0 | U/P |
| 6.800 | 2.9904 | 0.0000 | 87.638 | 0.42211 | 0.00000 | 18586.1 | 4518.3 | 0.0 | U/P |
| 6.822 | 2.9943 | 0.0000 | 87.666 | 0.42475 | 0.00000 | 18825.5 | 4552.2 | 0.0 | U/P |
| 6.844 | 2.9972 | 0.0000 | 87.694 | 0.42738 | 0.00000 | 19065.1 | 4586.3 | 0.0 | U/P |
| 6.867 | 2.9995 | 0.0000 | 87.722 | 0.42999 | 0.00000 | 19305.0 | 4620.6 | 0.0 | U/P |
| 6.889 | 3.0012 | 0.0000 | 87.749 | 0.43258 | 0.00000 | 19545.0 | 4655.1 | 0.0 | U/P |
| 6.911 | 3.0026 | 0.0000 | 87.777 | 0.43516 | 0.00000 | 19785.2 | 4689.8 | 0.0 | U/P |
| 6.933 | 3.0037 | 0.0000 | 87.804 | 0.43772 | 0.00000 | 20025.4 | 4724.7 | 0.0 | U/P |
| 6.956 | 3.0046 | 0.0000 | 87.831 | 0.44027 | 0.00000 | 20265.8 | 4759.8 | 0.0 | U/P |
| 6.978 | 3.0054 | 0.0000 | 87.858 | 0.44280 | 0.00000 | 20506.2 | 4795.2 | 0.0 | U/P |
| 7.000 | 3.0061 | 0.0000 | 87.884 | 0.44531 | 0.00000 | 20746.6 | 4830.7 | 0.0 | U/P |
| 7.022 | 3.0149 | 0.0000 | 87.911 | 0.44781 | 0.00000 | 20987.5 | 4866.4 | 0.0 | U/P |
| 7.044 | 3.0455 | 0.0000 | 87.937 | 0.45031 | 0.00000 | 21229.9 | 4902.3 | 0.0 | U/P |
| 7.067 | 3.1147 | 0.0000 | 87.964 | 0.45282 | 0.00000 | 21476.3 | 4938.5 | 0.0 | U/P |
| 7.089 | 3.2225 | 0.0000 | 87.992 | 0.45539 | 0.00000 | 21729.8 | 4974.8 | 0.0 | U/P |
| 7.111 | 3.3485 | 0.0000 | 88.020 | 0.45813 | 0.00000 | 21992.6 | 5011.3 | 0.0 | U/P |
| 7.133 | 3.4721 | 0.0000 | 88.050 | 0.46111 | 0.00000 | 22265.4 | 5048.1 | 0.0 | U/P |
| 7.156 | 3.5800 | 0.0000 | 88.080 | 0.46424 | 0.00000 | 22547.5 | 5085.1 | 0.0 | U/P |
| 7.178 | 3.6629 | 0.0000 | 88.112 | 0.46745 | 0.00000 | 22837.2 | 5122.4 | 0.0 | U/P |
| 7.200 | 3.7215 | 0.0000 | 88.143 | 0.47072 | 0.00000 | 23132.6 | 5159.9 | 0.0 | U/P |
| 7.222 | 3.7631 | 0.0000 | 88.175 | 0.47402 | 0.00000 | 23432.0 | 5197.7 | 0.0 | U/P |
| 7.244 | 3.7936 | 0.0000 | 88.207 | 0.47734 | 0.00000 | 23734.3 | 5235.7 | 0.0 | U/P |
| 7.267 | 3.8158 | 0.0000 | 88.239 | 0.48067 | 0.00000 | 24038.6 | 5274.1 | 0.0 | U/P |
| 7.289 | 3.8319 | 0.0000 | 88.271 | 0.48400 | 0.00000 | 24344.5 | 5312.7 | 0.0 | U/P |
| 7.311 | 3.8436 | 0.0000 | 88.303 | 0.48731 | 0.00000 | 24651.6 | 5351.5 | 0.0 | U/P |
| 7.333 | 3.8521 | 0.0000 | 88.335 | 0.49061 | 0.00000 | 24959.4 | 5390.6 | 0.0 | U/P |
| 7.356 | 3.8584 | 0.0000 | 88.366 | 0.49389 | 0.00000 | 25267.8 | 5430.0 | 0.0 | U/P |
| 7.378 | 3.8630 | 0.0000 | 88.398 | 0.49716 | 0.00000 | 25576.7 | 5469.6 | 0.0 | U/P |
| 7.400 | 3.8665 | 0.0000 | 88.429 | 0.50040 | 0.00000 | 25885.8 | 5509.5 | 0.0 | U/P |
| 7.422 | 3.8690 | 0.0000 | 88.460 | 0.50363 | 0.00000 | 26195.3 | 5549.7 | 0.0 | U/P |
| 7.444 | 3.8710 | 0.0000 | 88.491 | 0.50683 | 0.00000 | 26504.9 | 5590.1 | 0.0 | U/P |
| 7.467 | 3.8726 | 0.0000 | 88.521 | 0.51001 | 0.00000 | 26814.6 | 5630.8 | 0.0 | U/P |
| 7.489 | 3.8738 | 0.0000 | 88.551 | 0.51317 | 0.00000 | 27124.5 | 5671.7 | 0.0 | U/P |
| 7.511 | 3.8747 | 0.0000 | 88.582 | 0.51631 | 0.00000 | 27434.4 | 5712.9 | 0.0 | U/P |
| 7.533 | 3.8904 | 0.0000 | 88.612 | 0.51944 | 0.00000 | 27745.0 | 5754.3 | 0.0 | U/P |
| 7.556 | 3.9379 | 0.0000 | 88.642 | 0.52256 | 0.00000 | 28058.1 | 5796.0 | 0.0 | U/P |
| 7.578 | 4.0391 | 0.0000 | 88.672 | 0.52570 | 0.00000 | 28377.2 | 5837.9 | 0.0 | U/P |
| 7.600 | 4.1831 | 0.0000 | 88.704 | 0.52892 | 0.00000 | 28706.1 | 5880.1 | 0.0 | U/P |
| 7.622 | 4.3392 | 0.0000 | 88.736 | 0.53223 | 0.00000 | 29047.0 | 5922.6 | 0.0 | U/P |
| 7.644 | 4.4852 | 0.0000 | 88.769 | 0.53566 | 0.00000 | 29400.0 | 5965.3 | 0.0 | U/P |
| 7.667 | 4.6084 | 0.0000 | 88.804 | 0.53919 | 0.00000 | 29763.7 | 6008.3 | 0.0 | U/P |
| 7.689 | 4.6976 | 0.0000 | 88.839 | 0.54279 | 0.00000 | 30136.0 | 6051.6 | 0.0 | U/P |
| 7.711 | 4.7599 | 0.0000 | 88.874 | 0.54646 | 0.00000 | 30514.3 | 6095.1 | 0.0 | U/P |
| 7.733 | 4.8047 | 0.0000 | 88.910 | 0.55015 | 0.00000 | 30896.8 | 6139.0 | 0.0 | U/P |
| 7.756 | 4.8378 | 0.0000 | 88.946 | 0.55385 | 0.00000 | 31282.5 | 6183.2 | 0.0 | U/P |
| 7.778 | 4.8615 | 0.0000 | 88.981 | 0.55756 | 0.00000 | 31670.5 | 6227.6 | 0.0 | U/P |
| 7.800 | 4.8788 | 0.0000 | 89.017 | 0.56134 | 0.00000 | 32060.1 | 6272.4 | 0.0 | U/P |
| 7.822 | 4.8914 | 0.0000 | 89.052 | 0.56528 | 0.00000 | 32450.9 | 6317.4 | 0.0 | U/P |
| 7.844 | 4.9004 | 0.0000 | 89.088 | 0.56930 | 0.00000 | 32842.6 | 6362.8 | 0.0 | U/P |
| 7.867 | 4.9071 | 0.0000 | 89.123 | 0.57329 | 0.00000 | 33234.9 | 6408.5 | 0.0 | U/P |
| 7.889 | 4.9120 | 0.0000 | 89.157 | 0.57725 | 0.00000 | 33627.7 | 6454.5 | 0.0 | U/P |
| 7.911 | 4.9156 | 0.0000 | 89.192 | 0.58119 | 0.00000 | 34020.8 | 6500.9 | 0.0 | U/P |
| 7.933 | 4.9182 | 0.0000 | 89.226 | 0.58511 | 0.00000 | 34414.1 | 6547.5 | 0.0 | U/P |
| 7.956 | 4.9203 | 0.0000 | 89.260 | 0.58899 | 0.00000 | 34807.7 | 6594.5 | 0.0 | U/P |
| 7.978 | 4.9219 | 0.0000 | 89.294 | 0.59285 | 0.00000 | 35201.3 | 6641.8 | 0.0 | U/P |
| 8.000 | 4.9286 | 0.0000 | 89.328 | 0.59668 | 0.00000 | 35595.4 | 6689.3 | 0.0 | U/P |
| 8.022 | 4.9559 | 0.0000 | 89.361 | 0.60050 | 0.00000 | 35990.7 | 6737.2 | 0.0 | U/P |
| 8.044 | 5.0222 | 0.0000 | 89.395 | 0.60431 | 0.00000 | 36389.9 | 6785.4 | 0.0 | U/P |
| 8.067 | 5.1367 | 0.0000 | 89.429 | 0.60816 | 0.00000 | 36796.2 | 6833.9 | 0.0 | U/P |
| 8.089 | 5.2809 | 0.0000 | 89.464 | 0.61207 | 0.00000 | 37212.9 | 6882.7 | 0.0 | U/P |
| 8.111 | 5.4282 | 0.0000 | 89.499 | 0.61608 | 0.00000 | 37641.3 | 6931.9 | 0.0 | U/P |
| 8.133 | 5.5605 | 0.0000 | 89.536 | 0.62017 | 0.00000 | 38080.8 | 6981.3 | 0.0 | U/P |
| 8.156 | 5.6665 | 0.0000 | 89.573 | 0.62435 | 0.00000 | 38529.9 | 7031.1 | 0.0 | U/P |
| 8.178 | 5.7419 | 0.0000 | 89.610 | 0.62858 | 0.00000 | 38986.3 | 7081.2 | 0.0 | U/P |
| 8.200 | 5.7950 | 0.0000 | 89.648 | 0.63284 | 0.00000 | 39447.7 | 7131.7 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: POND 6100 YR / 24 HR

| Elapsed Time (hours) | inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge ( $1 /$ day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume $\left(\mathrm{ft}^{3}\right)$ | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{5}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 8.222 | 5.8336 | 0.0000 | 89.685 | 0.63712 | 0.00000 | 39912.9 | 7182.5 | 0.0 | U/P |
| 8.244 | 5.8618 | 0.0000 | 89.723 | 0.64139 | 0.00000 | 40380.7 | 7233.6 | 0.0 | U/P |
| 8.267 | 5.8820 | 0.0000 | 89.760 | 0.64566 | 0.00000 | 40850.4 | 7285.1 | 0.0 | U/P |
| 8.289 | 5.8968 | 0.0000 | 89.798 | 0.64992 | 0.00000 | 41321.6 | 7336.9 | 0.0 | U/P |
| 8.311 | 5.9074 | 0.0000 | 89.835 | 0.65415 | 0.00000 | 41793.8 | 7389.1 | 0.0 | U/P |
| 8.333 | 5.9151 | 0.0000 | 89.872 | 0.65837 | 0.00000 | 42266.7 | 7441.6 | 0.0 | U/P |
| 8.356 | 5.9208 | 0.0000 | 89.908 | 0.66256 | 0.00000 | 42740.1 | 7494.4 | 0.0 | U/P |
| 8.378 | 5.9249 | 0.0000 | 89.945 | 0.66672 | 0.00000 | 43213.9 | 7547.6 | 0.0 | U/P |
| 8.400 | 5.9280 | 0.0000 | 89.981 | 0.67086 | 0.00000 | 43688.0 | 7601.1 | 0.0 | U/P |
| 8.422 | 5.9303 | 0.0000 | 90.017 | 0.67506 | 0.00000 | 44162.4 | 7654.9 | 0.0 | U/P |
| 8.444 | 5.9320 | 0.0000 | 90.053 | 0.67940 | 0.00000 | 44636.9 | 7709.1 | 0.0 | U/P |
| 8.467 | 5.9333 | 0.0000 | 90.089 | 0.68381 | 0.00000 | 45111.5 | 7763.6 | 0.0 | U/P |
| 8.489 | 5.9343 | 0.0000 | 90.124 | 0.68818 | 0.00000 | 45586.2 | 7818.5 | 0.0 | U/P |
| 8.511 | 5.9350 | 0.0000 | 90.159 | 0.69252 | 0.00000 | 46061.0 | 7873.7 | 0.0 | U/P |
| 8.533 | 5.9354 | 0.0000 | 90.194 | 0.69683 | 0.00000 | 46535.8 | 7929.3 | 0.0 | U/P |
| 8.556 | 5.9356 | 0.0000 | 90.228 | 0.70112 | 0.00000 | 47010.6 | 7985.2 | 0.0 | U/P |
| 8.578 | 5.9357 | 0.0000 | 90.263 | 0.70537 | 0.00000 | 47485.5 | 8041.5 | 0.0 | U/P |
| 8.600 | 5.9359 | 0.0000 | 90.297 | 0.70960 | 0.00000 | 47960.3 | 8098.1 | 0.0 | U/P |
| 8.622 | 5.9360 | 0.0000 | 90.331 | 0.71379 | 0.00000 | 48435.2 | 8155.0 | 0.0 | U/P |
| 8.644 | 5.9362 | 0.0000 | 90.364 | 0.71796 | 0.00000 | 48910.1 | 8212.3 | 0.0 | U/P |
| 8.667 | 5.9363 | 0.0000 | 90.398 | 0.72210 | 0.00000 | 49385.0 | 8269.9 | 0.0 | U/P |
| 8.689 | 5.9365 | 0.0000 | 90.431 | 0.72622 | 0.00000 | 49859.9 | 8327.8 | 0.0 | U/P |
| 8.711 | 5.9366 | 0.0000 | 90.464 | 0.73031 | 0.00000 | 50334.8 | 8386.1 | 0.0 | U/P |
| 8.733 | 5.9368 | 0.0000 | 90.497 | 0.73437 | 0.00000 | 50809.8 | 8444.7 | 0.0 | U/P |
| 8.756 | 5.9369 | 0.0000 | 90.530 | 0.73841 | 0.00000 | 51284.7 | 8503.6 | 0.0 | U/P |
| 8.778 | 5.9370 | 0.0000 | 90.562 | 0.74242 | 0.00000 | 51759.7 | 8562.8 | 0.0 | U/P |
| 8.800 | 5.9372 | 0.0000 | 90.594 | 0.74641 | 0.00000 | 52234.6 | 8622.4 | 0.0 | U/P |
| 8.822 | 5.9373 | 0.0000 | 90.626 | 0.75037 | 0.00000 | 52709.6 | 8682.2 | 0.0 | U/P |
| 8.844 | 5.9374 | 0.0000 | 90.658 | 0.75431 | 0.00000 | 53184.6 | 8742.4 | 0.0 | U/P |
| 8.867 | 5.9375 | 0.0000 | 90.690 | 0.75823 | 0.00000 | 53659.6 | 8802.9 | 0.0 | U/P |
| 8.889 | 5.9376 | 0.0000 | 90.721 | 0.76212 | 0.00000 | 54134.6 | 8863.7 | 0.0 | U/P |
| 8.911 | 5.9378 | 0.0000 | 90.752 | 0.76599 | 0.00000 | 54609.6 | 8924.9 | 0.0 | U/P |
| 8.933 | 5.9379 | 0.0000 | 90.783 | 0.76984 | 0.00000 | 55084.7 | 8986.3 | 0.0 | U/P |
| 8.956 | 5.9380 | 0.0000 | 90.814 | 0.77367 | 0.00000 | 55559.7 | 9048.0 | 0.0 | U/P |
| 8.978 | 5.9381 | 0.0000 | 90.845 | 0.77747 | 0.00000 | 56034.7 | 9110.1 | 0.0 | U/P |
| 9.000 | 5.9382 | 0.0000 | 90.876 | 0.78126 | 0.00000 | 56509.8 | 9172.4 | 0.0 | U/P |
| 9.022 | 5.9116 | 0.0000 | 90.906 | 0.78501 | 0.00000 | 56983.8 | 9235.1 | 0.0 | U/P |
| 9.044 | 5.8289 | 0.0000 | 90.936 | 0.78873 | 0.00000 | 57453.4 | 9298.0 | 0.0 | U/P |
| 9.067 | 5.6527 | 0.0000 | 90.965 | 0.79235 | 0.00000 | 57912.7 | 9361.3 | 0.0 | U/P |
| 9.089 | 5.4043 | 0.0000 | 90.992 | 0.79584 | 0.00000 | 58354.9 | 9424.8 | 0.0 | U/P |
| 9.111 | 5.1373 | 0.0000 | 91.018 | 0.79934 | 0.00000 | 58776.6 | 9488.6 | 0.0 | U/P |
| 9.133 | 4.8890 | 0.0000 | 91.042 | 0.80291 | 0.00000 | 59177.7 | 9552.7 | 0.0 | U/P |
| 9.156 | 4.6807 | 0.0000 | 91.065 | 0.80634 | 0.00000 | 59560.4 | 9617.1 | 0.0 | U/P |
| 9.178 | 4.5312 | 0.0000 | 91.087 | 0.80958 | 0.00000 | 59928.9 | 9681.7 | 0.0 | U/P |
| 9.200 | 4.4270 | 0.0000 | 91.108 | 0.81269 | 0.00000 | 60287.2 | 9746.6 | 0.0 | U/P |
| 9.222 | 4.3523 | 0.0000 | 91.128 | 0.87569 | 0.00000 | 60638.4 | 9811.8 | 0.0 | U/P |
| 9.244 | 4.2970 | 0.0000 | 91.148 | 0.81861 | 0.00000 | 60984.4 | 9877.1 | 0.0 | U/P |
| 9.267 | 4.2578 | 0.0000 | 91.168 | 0.82147 | 0.00000 | 61326.6 | 9942.7 | 0.0 | U/P |
| 9.289 | 4.2293 | 0.0000 | 91.187 | 0.82429 | 0.00000 | 61666.1 | 10008.6 | 0.0 | U/P |
| 9.311 | 4.2088 | 0.0000 | 91.206 | 0.82707 | 0.00000 | 62003.6 | 10074.6 | 0.0 | U/P |
| 9.333 | 4.1941 | 0.0000 | 91.225 | 0.82982 | 0.00000 | 62339.7 | 10140.9 | 0.0 | U/P |
| 9.356 | 4.1835 | 0.0000 | 91.243 | 0.83255 | 0.00000 | 62674.8 | 10207.4 | 0.0 | U/P |
| 9.378 | 4.1757 | 0.0000 | 91.262 | 0.83526 | 0.00000 | 63009.2 | 10274.1 | 0.0 | U/P |
| 9.400 | 4.1702 | 0.0000 | 91.280 | 0.83795 | 0.00000 | 63343.0 | 10341.0 | 0.0 | U/P |
| 9.422 | 4.1662 | 0.0000 | 91.299 | 0.84063 | 0.00000 | 63676.5 | 10408.2 | 0.0 | U/P |
| 9.444 | 4.1633 | 0.0000 | 91.317 | 0.84329 | 0.00000 | 64009.6 | 10475.5 | 0.0 | U/P |
| 9.467 | 4.1610 | 0.0000 | 91.335 | 0.84594 | 0.00000 | 64342.6 | 10543.1 | 0.0 | U/P |
| 9.489 | 4.1594 | 0.0000 | 91.353 | 0.84858 | 0.00000 | 64675.4 | \$0610.9 | 0.0 | U/P |
| 9.511 | 4.1576 | 0.0000 | 91.371 | 0.85120 | 0.00000 | 65008.1 | 10678.9 | 0.0 | U/P |
| 9.533 | 4.1530 | 0.0000 | 91.389 | 0.85382 | 0.00000 | 65340.5 | 10747.1 | 0.0 | U/P |
| 9.556 | 4.1428 | 0.0000 | 91.407 | 0.85642 | 0.00000 | 65672.4 | 10815.5 | 0.0 | U/P |
| 9.578 | 4.1247 | 0.0000 | 91.424 | 0.85900 | 0.00000 | 66003.1 | 10884.1 | 0.0 | U/P |
| 9.600 | 4.1016 | 0.0000 | 91.442 | 0.86156 | 0.00000 | 66332.1 | 10952.9 | 0.0 | U/P |
| 9.622 | 4.0779 | 0.0000 | 91.459 | 0.86409 | 0.00000 | 66659.3 | 11022.0 | 0.0 | U/P |
| 9.644 | 4.0565 | 0.0000 | 91.476 | 0.86659 | 0.00000 | 66984.7 | 11091.2 | 0.0 | U/P |
| 9.667 | 4.0393 | 0.0000 | 91.493 | 0.86907 | 0.00000 | 67308.5 | 11160.6 | 0.0 | U/P |
| 9.689 | 4.0270 | 0.0000 | 91.510 | 0.87153 | 0.00000 | 67631.2 | 11230.2 | 0.0 | U/P |
| 9.711 | 4.0184 | 0.0000 | 91.527 | 0.87396 | 0.00000 | 67953.0 | 11300.1 | 0.0 | U/P |
| 9.733 | 4.0122 | 0.0000 | 91.543 | 0.87639 | 0.00000 | 68274.2 | 11370.1 | 0.0 | U/P |
| 9.756 | 4.0077 | 0.0000 | 91.560 | 0.87880 | 0.00000 | 68595.0 | 11440.3 | 0.0 | U/P |
| 9.778 | 4.0045 | 0.0000 | 91.576 | 0.88119 | 0.00000 | 68915.5 | 11510.7 | 0.0 | U/P |
| 9.800 | 4.0021 | 0.0000 | 91.593 | 0.88358 | 0.00000 | 69235.8 | 11581.3 | 0.0 | U/P |
| 9.822 | 4.0004 | 0.0000 | 91.609 | 0.88596 | 0.00000 | 69555.9 | 11652.0 | 0.0 | U/P |
| 9.844 | 3.9993 | 0.0000 | 91.625 | 0.88832 | 0.00000 | 69875.9 | 11723.0 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: POND 6100 YR / 24 HR

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (fidday) | Stage Elevation (t datum) | Infiltration Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative <br> Discharge <br> Volume ( $f^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 9.867 | 3.9984 | 0.0000 | 91.641 | 0.89068 | 0.00000 | 70195.8 | 11794.2 | 0.0 | U/P |
| 9.889 | 3.9978 | 0.0000 | 91.657 | 0.89303 | 0.00000 | 70515.6 | 11865.5 | 0.0 | U/P |
| 9.911 | 3.9973 | 0.0000 | 91.673 | 0.89537 | 0.00000 | 70835.4 | 11937.1 | 0.0 | U/P |
| 9.933 | 3.9970 | 0.0000 | 91.689 | 0.89770 | 0.00000 | 71155.2 | 12008.8 | 0.0 | U/P |
| 9.956 | 3.9968 | 0.0000 | 91.705 | 0.90003 | 0.00000 | 71474.9 | 12080.7 | 0.0 | U/P |
| 9.978 | 3.9966 | 0.0000 | 91.721 | 0.90234 | 0.00000 | 71794.7 | 12152.8 | 0.0 | U/P |
| 10.000 | 3.9965 | 0.0000 | 91.737 | 0.90465 | 0.00000 | 72114.4 | 12225.1 | 0.0 | U/P |
| 10.022 | 3.9778 | 0.0000 | 91.753 | 0.90695 | 0.00000 | 72433.4 | 12297.5 | 0.0 | U/P |
| 10.044 | 3.9095 | 0.0000 | 91.768 | 0.90922 | 0.00000 | 72748.9 | 12370.2 | 0.0 | U/P |
| 10.067 | 3.7538 | 0.0000 | 91.783 | 0.91142 | 0.00000 | 73055.4 | 12443.0 | 0.0 | U/P |
| 10.089 | 3.5111 | 0.0000 | 91.797 | 0.91351 | 0.00000 | 73346.0 | 12516.0 | 0.0 | U/P |
| 10.111 | 3.2269 | 0.0000 | 91.809 | 0.91542 | 0.00000 | 73615.5 | 12589.2 | 0.0 | U/P |
| 10.133 | 2.9485 | 0.0000 | 91.820 | 0.91712 | 0.00000 | 73862.5 | 12662.5 | 0.0 | U/P |
| 10.156 | 2.7054 | 0.0000 | 91.830 | 0.91862 | 0.00000 | 74088.7 | 12735.9 | 0.0 | U/P |
| 10.178 | 2.5191 | 0.0000 | 91.838 | 0.91994 | 0.00000 | 74297.7 | 12809.5 | 0.0 | U/P |
| 10.200 | 2.3876 | 0.0000 | 91.846 | 0.92112 | 0.00000 | 74494.0 | 12883.1 | 0.0 | U/P |
| 10.222 | 2.2944 | 0.0000 | 91.853 | 0.92220 | 0.00000 | 74681.2 | 12956.8 | 0.0 | U/P |
| 10.244 | 2.2264 | 0.0000 | 91.860 | 0.92320 | 0.00000 | 74862.1 | 13030.6 | 0.0 | U/P |
| 10.267 | 2.1773 | 0.0000 | 91.866 | 0.92416 | 0.00000 | 75038.2 | 13104.5 | 0.0 | U/P |
| 10.289 | 2.1419 | 0.0000 | 91.872 | 0.92507 | 0.00000 | 75211.0 | 13178.5 | 0.0 | U/P |
| 10.311 | 2.1163 | 0.0000 | 91.878 | 0.92596 | 0.00000 | 75381.3 | 13252.6 | 0.0 | U/P |
| 10.333 | 2.0980 | 0.0000 | 91.884 | 0.92683 | 0.00000 | 75549.9 | 13326.7 | 0.0 | U/P |
| 10.356 | 2.0848 | 0.0000 | 91.890 | 0.92768 | 0.00000 | 75717.2 | 13400.8 | 0.0 | U/P |
| 10.378 | 2.0752 | 0.0000 | 91.896 | 0.92852 | 0.00000 | 75883.6 | 13475.1 | 0.0 | U/P |
| 10.400 | 2.0682 | 0.0000 | 91.902 | 0.92936 | 0.00000 | 76049.3 | 13549.4 | 0.0 | U/P |
| 10.422 | 2.0632 | 0.0000 | 91.907 | 0.93018 | 0.00000 | 76214.6 | 13623.8 | 0.0 | U/P |
| 10.444 | 2.0596 | 0.0000 | 91.913 | 0.93100 | 0.00000 | 76379.5 | 13698.2 | 0.0 | U/P |
| 10.467 | 2.0568 | 0.0000 | 91.918 | 0.93182 | 0.00000 | 76544.1 | 13772.8 | 0.0 | U/P |
| 10.489 | 2.0548 | 0.0000 | 91.924 | 0.93263 | 0.00000 | 76708.6 | 13847.3 | 0.0 | U/P |
| 10.511 | 2.0534 | 0.0000 | 91.930 | 0.93344 | 0.00000 | 76872.9 | 13922.0 | 0.0 | U/P |
| 10.533 | 2.0557 | 0.0000 | 91.935 | 0.93425 | 0.00000 | 77037.3 | 13996.7 | 0.0 | U/P |
| 10.556 | 2.0653 | 0.0000 | 91.941 | 0.93506 | 0.00000 | 77202.1 | 14071.5 | 0.0 | U/P |
| 10.578 | 2.0862 | 0.0000 | 91.946 | 0.93588 | 0.00000 | 77368.2 | 14146.3 | 0.0 | U/P |
| 10.600 | 2.1160 | 0.0000 | 91.952 | 0.93671 | 0.00000 | 77536.3 | 14221.2 | 0.0 | U/P |
| 10.622 | 2.1483 | 0.0000 | 91.958 | 0.93756 | 0.00000 | 77706.9 | 14296.2 | 0.0 | U/P |
| 10.644 | 2.1785 | 0.0000 | 91.964 | 0.93843 | 0.00000 | 77879.9 | 14371.2 | 0.0 | U/P |
| 10.667 | 2.2040 | 0.0000 | 91.970 | 0.93932 | 0.00000 | 78055.2 | 14446.3 | 0.0 | U/P |
| 10.689 | 2.2224 | 0.0000 | 91.977 | 0.94022 | 0.00000 | 78232.3 | 14521.5 | 0.0 | U/P |
| 10.711 | 2.2353 | 0.0000 | 91.983 | 0.94114 | 0.00000 | 78410.6 | 14596.8 | 0.0 | U/P |
| 10.733 | 2.2445 | 0.0000 | 91.989 | 0.94207 | 0.00000 | 78589.8 | 14672.1 | 0.0 | U/P |
| 10.756 | 2.2513 | 0.0000 | 91.996 | 0.94300 | 0.00000 | 78769.6 | 14747.5 | 0.0 | U/P |
| 10.778 | 2.2561 | 0.0000 | 92.002 | 0.94392 | 0.00000 | 78949.9 | 14823.0 | 0.0 | U/P |
| 10.800 | 2.2597 | 0.0000 | 92.009 | 0.94478 | 0.00000 | 79130.5 | 14898.5 | 0.0 | U/P |
| 10.822 | 2.2622 | 0.0000 | 92.015 | 0.94562 | 0.00000 | 79311.4 | 14974.1 | 0.0 | U/P |
| 10.844 | 2.2640 | 0.0000 | 92.021 | 0.94646 | 0.00000 | 79492.5 | 15049.8 | 0.0 | U/P |
| 10.867 | 2.2653 | 0.0000 | 92.028 | 0.94729 | 0.00000 | 79673.6 | 15125.6 | 0.0 | U/P |
| 10.889 | 2.2663 | 0.0000 | 92.034 | 0.94813 | 0.00000 | 79854.9 | 15201.4 | 0.0 | U/P |
| 10.911 | 2.2670 | 0.0000 | 92.041 | 0.94896 | 0.00000 | 80036.2 | 15277.3 | 0.0 | U/P |
| 10.933 | 2.2675 | 0.0000 | 92.047 | 0.94979 | 0.00000 | 80217.6 | 15353.2 | 0.0 | U/P |
| 10.956 | 2.2679 | 0.0000 | 92.054 | 0.95063 | 0.00000 | 80399.0 | 15429.2 | 0.0 | U/P |
| 10.978 | 2.2681 | 0.0000 | 92.060 | 0.95146 | 0.00000 | 80580.5 | 15505.3 | 0.0 | U/P |
| 11.000 | 2.2631 | 0.0000 | 92.066 | 0.95229 | 0.00000 | 80761.7 | 15581.5 | 0.0 | U/P |
| 17.022 | 2.2376 | 0.0000 | 92.073 | 0.95311 | 0.00000 | 80941.8 | 15657.7 | 0.0 | U/P |
| 11.044 | 2.1742 | 0.0000 | 92.079 | 0.95391 | 0.00000 | 81118.2 | 15734.0 | 0.0 | U/P |
| 11.067 | 2.0638 | 0.0000 | 92.084 | 0.95467 | 0.00000 | 81287.7 | 15810.3 | 0.0 | U/P |
| 11.089 | 1.9246 | 0.0000 | 92.089 | 0.95537 | 0.00000 | 81447.3 | 15886.7 | 0.0 | U/P |
| 11.111 | 1.7825 | 0.0000 | 92.094 | 0.95597 | 0.00000 | 81595.6 | 15963.2 | 0.0 | U/P |
| 11.133 | 1.6548 | 0.0000 | 92.097 | 0.95650 | 0.00000 | 81733.0 | 16039.7 | 0.0 | U/P |
| 11.156 | 1.5526 | 0.0000 | 92.101 | 0.95694 | 0.00000 | 81861.3 | 16116.2 | 0.0 | U/P |
| 11.178 | 1.4799 | 0.0000 | 92.103 | 0.95732 | 0.00000 | 81982.6 | 16192.8 | 0.0 | U/P |
| 11.200 | 1.4288 | 0.0000 | 92.106 | 0.95765 | 0.00000 | 82099.0 | 16269.4 | 0.0 | U/P |
| 11.222 | 1.3918 | 0.0000 | 92.108 | 0.95794 | 0.00000 | 82211.8 | 16346.0 | 0.0 | U/P |
| 11.244 | 1.3648 | 0.0000 | 92.110 | 0.95822 | 0.00000 | 82322.1 | 16422.6 | 0.0 | U/P |
| 11.267 | 1.3455 | 0.0000 | 92.112 | 0.95847 | 0.00000 | 82430.5 | 16499.3 | 0.0 | U/P |
| 11.289 | 1.3315 | 0.0000 | 92.114 | 0.95872 | 0.00000 | 82537.6 | 16576.0 | 0.0 | U/P |
| 11.311 | 1.3214 | 0.0000 | 92.115 | 0.95895 | 0.00000 | 82643.7 | 16652.7 | 0.0 | U/P |
| \$1.333 | 1.3142 | 0.0000 | 92.117 | 0.95918 | 0.00000 | 82749.1 | 16729.4 | 0.0 | U/P |
| 11.356 | 1.3089 | 0.0000 | 92.119 | 0.95940 | 0.00000 | 82854.0 | 16806.2 | 0.0 | U/P |
| 11.378 | \$.3051 | 0.0000 | 92.121 | 0.95962 | 0.00000 | 82958.6 | 16882.9 | 0.0 | U/P |
| 11.400 | 1.3024 | 0.0000 | 92.122 | 0.95984 | 0.00000 | 83062.9 | 16959.7 | 0.0 | U/P |
| 11.422 | 1.3004 | 0.0000 | 92.124 | 0.96005 | 0.00000 | 83167.0 | 17036.5 | 0.0 | U/P |
| 11.444 | 1.2989 | 0.0000 | 92.125 | 0.96026 | 0.00000 | 83271.0 | 17113.3 | 0.0 | U/P |
| 11.467 | 1.2978 | 0.0000 | 92.127 | 0.96048 | 0.00000 | 83374.8 | 17190.1 | 0.0 | U/P |
| 11.489 | 1.2970 | 0.0000 | 92.129 | 0.96069 | 0.00000 | 83478.6 | 17267.0 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: POND 6100 YR / 24 HR

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{3} / \mathrm{s}$ ) | Outside Recharge (f/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Vofume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 11.511 | 1.2960 | 0.0000 | 92.130 | 0.96090 | 0.00000 | 83582.3 | 17343.9 | 0.0 | U/P |
| 11.533 | 1.2938 | 0.0000 | 92.132 | 0.96111 | 0.00000 | 83685.9 | 17420.7 | 0.0 | U/P |
| 11.556 | 1.2894 | 0.0000 | 92.134 | 0.96131 | 0.00000 | 83789.3 | 17497.6 | 0.0 | U/P |
| 11.578 | 1.2826 | 0.0000 | 92.135 | 0.96152 | 0.00000 | 83892.1 | 77574.5 | 0.0 | U/P |
| 11.600 | \$.2747 | 0.0000 | 92,137 | 0.96172 | 0.00000 | 83994.4 | 17651.5 | 0.0 | U/P |
| 11.622 | 1.2670 | 0.0000 | 92,138 | 0.96191 | 0.00000 | 84096.1 | 17728.4 | 0.0 | U/P |
| 11.644 | 1.2603 | 0.0000 | 92.140 | 0.96210 | 0.00000 | 84197.2 | 17805.4 | 0.0 | U/P |
| 11.667 | 1.2552 | 0.0000 | 92.141 | 0.96229 | 0.00000 | 84297.8 | 17882.4 | 0.0 | U/P |
| 11.689 | 1.2516 | 0.0000 | 92.142 | 0.96247 | 0.00000 | 84398.1 | 17959.4 | 0.0 | U/P |
| 11.711 | 1.2490 | 0.0000 | 92.144 | 0.96265 | 0.00000 | 84498.1 | 18036.4 | 0.0 | U/P |
| 11.733 | 1.2472 | 0.0000 | 92.145 | 0.96283 | 0.00000 | 84597.9 | 18113.4 | 0.0 | U/P |
| 11.756 | 1.2458 | 0.0000 | 92.147 | 0.96301 | 0.00000 | 84697.7 | 18190.4 | 0.0 | U/P |
| 11.778 | 1.2449 | 0.0000 | 92.148 | 0.96319 | 0.00000 | 84797.3 | 18267.5 | 0.0 | U/P |
| \$1.800 | 1.2442 | 0.0000 | 92.149 | 0.96336 | 0.00000 | 84896.9 | 18344.5 | 0.0 | U/P |
| 11.822 | 1.2437 | 0.0000 | 92.151 | 0.96354 | 0.00000 | 84996.4 | 18421.6 | 0.0 | U/P |
| 11.844 | 1.2433 | 0.0000 | 92.152 | 0.96371 | 0.00000 | 85095.8 | 18498.7 | 0.0 | U/P |
| 11.867 | 1.2430 | 0.0000 | 92.153 | 0.96389 | 0.00000 | 85195.3 | 18575.8 | 0.0 | U/P |
| 11.889 | 1.2429 | 0.0000 | 92.155 | 0.96406 | 0.00000 | 85294.7 | 18652.9 | 0.0 | U/P |
| 11.911 | 1.2427 | 0.0000 | 92.156 | 0.96423 | 0.00000 | 85394.2 | 18730.0 | 0.0 | U/P |
| 11.933 | 1.2426 | 0,0000 | 92.157 | 0.96441 | 0.00000 | 85493.6 | 18807.2 | 0.0 | U/P |
| 11.956 | 1.2425 | 0.0000 | 92.159 | 0.96458 | 0.00000 | 85593.0 | 18884.3 | 0.0 | U/P |
| 11.978 | 1.2425 | 0.0000 | 92.160 | 0.96475 | 0.00000 | 85692.4 | 18961.5 | 0.0 | U/P |
| 12.000 | 1.2425 | 0.0000 | 92.161 | 0.96493 | 0.00000 | 85791.8 | 19038.7 | 0.0 | U/P |
| 12.022 | 1.2432 | 0.0000 | 92.163 | 0.96510 | 0.00000 | 85891.2 | 19115.9 | 0.0 | U/P |
| 12.044 | 1.2457 | 0.0000 | 92.164 | 0.96527 | 0.00000 | 85990.8 | 19193.1 | 0.0 | U/P |
| 12.067 | 1.2511 | 0.0000 | 92.165 | 0.96545 | 0.00000 | 86090.6 | 19270.3 | 0.0 | U/P |
| 12.089 | 1.2586 | 0.0000 | 92.167 | 0.96562 | 0.00000 | 86191.0 | 19347.6 | 0.0 | U/P |
| 12.111 | 1.2667 | 0.0000 | 92.168 | 0.96581 | 0.00000 | 86292.0 | 19424.8 | 0.0 | U/P |
| 12.133 | 1.2742 | 0.0000 | 92.170 | 0.96599 | 0.00000 | 86393.7 | 19502.1 | 0.0 | U/P |
| 12.156 | 1.2805 | 0.0000 | 92.171 | 0.96618 | 0.00000 | 86495.9 | 19579.4 | 0.0 | U/P |
| 12.178 | 1.2851 | 0.0000 | 92.173 | 0.96638 | 0.00000 | 86598.5 | 19656.7 | 0.0 | U/P |
| 12.200 | 1.2882 | 0.0000 | 92.174 | 0.96658 | 0.00000 | 86701.4 | 19734.0 | 0.0 | U/P |
| 12.222 | 1.2905 | 0.0000 | 92.176 | 0.96678 | 0.00000 | 86804.6 | 19811.4 | 0.0 | U/P |
| 12.244 | 1.2922 | 0.0000 | 92.177 | 0.96698 | 0.00000 | 86907.9 | 19888.7 | 0.0 | U/P |
| 12.267 | 1.2933 | 0.0000 | 92.179 | 0.96718 | 0.00000 | 87011.3 | 19966.1 | 0.0 | U/P |
| 12.289 | 1.2942 | 0.0000 | 92.180 | 0.96738 | 0.00000 | 87114.8 | 20043.5 | 0.0 | U/P |
| 12.311 | 1.2948 | 0.0000 | 92.182 | 0.96759 | 0.00000 | 87218.4 | 20120.9 | 0.0 | U/P |
| 12.333 | 1.2953 | 0.0000 | 92.183 | 0.96779 | 0.00000 | 87322.0 | 20198.3 | 0.0 | U/P |
| 12.356 | 1.2956 | 0.0000 | 92.185 | 0.96799 | 0.00000 | 87425.6 | 20275.7 | 0.0 | U/P |
| 12.378 | 1.2958 | 0.0000 | 92.187 | 0.96819 | 0.00000 | 87529.3 | 20353.2 | 0.0 | U/P |
| 12.400 | 1.2960 | 0.0000 | 92.188 | 0.96840 | 0.00000 | 87632.9 | 20430.6 | 0.0 | U/P |
| 12.422 | 1.2961 | 0.0000 | 92.190 | 0.96860 | 0.00000 | 87736.6 | 20508.1 | 0.0 | U/P |
| 12.444 | 1.2962 | 0.0000 | 92.191 | 0.96880 | 0.00000 | 87840.3 | 20585.6 | 0.0 | U/P |
| 12.467 | 1.2963 | 0.0000 | 92.193 | 0.96901 | 0.00000 | 87944.0 | 20663.1 | 0.0 | U/P |
| 12.489 | 1.2963 | 0.0000 | 92.194 | 0.96927 | 0.00000 | 88047.7 | 20740.6 | 0.0 | U/P |
| 12.511 | 1.2961 | 0.0000 | 92.196 | 0.96941 | 0.00000 | 88151.4 | 20818.2 | 0.0 | U/P |
| 12.533 | 1.2948 | 0.0000 | 92.198 | 0.96961 | 0.00000 | 88255.1 | 20895.7 | 0.0 | U/P |
| 12.556 | 1.2914 | 0.0000 | 92.199 | 0.96982 | 0.00000 | 88358.5 | 20973.3 | 0.0 | U/P |
| 12.578 | 1.2853 | 0.0000 | 92.201 | 0.97001 | 0.00000 | 88461.6 | 21050.9 | 0.0 | U/P |
| 12.600 | 1.2776 | 0.0000 | 92.202 | 0.97021 | 0.00000 | 88564.1 | 21128.5 | 0.0 | U/P |
| 12.622 | 1.2697 | 0.0000 | 92.204 | 0.97040 | 0.00000 | 88666.0 | 21206.1 | 0.0 | U/P |
| 12.644 | 1.2626 | 0.0000 | 92.205 | 0.97058 | 0.00000 | 88767.3 | 21283.8 | 0.0 | U/P |
| 12.667 | 1.2568 | 0.0000 | 92.206 | 0.97077 | 0.00000 | 88868.0 | 21361.4 | 0.0 | U/P |
| 12.689 | 1.2527 | 0.0000 | 92.208 | 0.97094 | 0.00000 | 88968.4 | 21439.1 | 0.0 | U/P |
| 12.711 | 1.2499 | 0.0000 | 92.209 | 0.97112 | 0.00000 | 89068.5 | 21516.8 | 0.0 | U/P |
| 12.733 | 1.2478 | 0.0000 | 92.210 | 0.97129 | 0.00000 | 89168.4 | 21594.5 | 0.0 | U/P |
| 12.756 | 1.2463 | 0.0000 | 92.212 | 0.97146 | 0.00000 | 89268.2 | 21672.2 | 0.0 | U/P |
| 12.778 | 1.2452 | 0.0000 | 92.213 | 0.97163 | 0.00000 | 89367.9 | 21749.9 | 0.0 | U/P |
| 12.800 | 1.2444 | 0.0000 | 92.214 | 0.97180 | 0.00000 | 89467.4 | 21827.7 | 0.0 | U/P |
| 12.822 | 1.2438 | 0.0000 | 92.216 | 0.97197 | 0.00000 | 89567.0 | 21905.4 | 0.0 | U/P |
| 12.844 | 1.2434 | 0.0000 | 92.217 | 0.97214 | 0.00000 | 89666.5 | 21983.2 | 0.0 | U/P |
| 12.867 | 1.2431 | 0.0000 | 92.218 | 0.97230 | 0.00000 | 89765.9 | 22060.9 | 0.0 | U/P |
| 12.889 | 1.2429 | 0.0000 | 92.219 | 0.97247 | 0.00000 | 89865.4 | 22138.7 | 0.0 | U/P |
| 12.911 | 1.2428 | 0.0000 | 92.221 | 0.97264 | 0.00000 | 89964.8 | 22216.5 | 0.0 | U/P |
| 12.933 | 1.2427 | 0.0000 | 92.222 | 0.97280 | 0.00000 | 90064.2 | 22294.4 | 0.0 | U/P |
| 12.956 | 1.2426 | 0.0000 | 92.223 | 0.97297 | 0.00000 | 90163.6 | 22372.2 | 0.0 | U/P |
| 12.978 | 1.2425 | 0.0000 | 92.225 | 0.97314 | 0.00000 | 90263.0 | 22450.0 | 0.0 | U/P |
| 13.000 | 1.2425 | 0.0000 | 92.226 | 0.97330 | 0.00000 | 90362.4 | 22527.9 | 0.0 | U/P |
| 13.022 | 1.2388 | 0.0000 | 92.227 | 0.97347 | 0.00000 | 90461.7 | 22605.8 | 0.0 | U/P |
| 13.044 | 1.2255 | 0.0000 | 92.228 | 0.97363 | 0.00000 | 90560.2 | 22683.6 | 0.0 | U/P |
| 13.067 | 1.1952 | 0.0000 | 92.229 | 0.97378 | 0.00000 | 90657.1 | 22761.5 | 0.0 | U/P |
| 13.089 | 1.1480 | 0.0000 | 92.230 | 0.97392 | 0.00000 | 90750.8 | 22839.5 | 0.0 | U/P |
| 13.111 | 1.0928 | 0.0000 | 92.231 | 0.97402 | 0.00000 | 90840.4 | 22917.4 | 0.0 | U/P |
| 13.133 | 1.0386 | 0.0000 | 92.232 | 0.97410 | 0.00000 | 90925.7 | 22995.3 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: POND 6100 YR / 24 HR

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{3} / \mathrm{s}$ ) | Outside Recharge (fiday) | Stage Elevation (fi datum) | Infiltration Rate ( $\mathrm{ft}^{3 /} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 13.156 | 0.9914 | 0.0000 | 92.232 | 0.97414 | 0.00000 | 91006.9 | 23073.2 | 0.0 | U/P |
| 13.178 | 0.9551 | 0.0000 | 92.232 | 0.97415 | 0.00000 | 91084.7 | 23151.2 | 0.0 | U/P |
| 13.200 | 0.9295 | 0.0000 | 92.232 | 0.97414 | 0.00000 | 91160.1 | 23229.1 | 0.0 | U/P |
| 13.222 | 0.9114 | 0.0000 | 92.231 | 0.97411 | 0.00000 | 91233.8 | 23307.0 | 0.0 | U/P |
| 13.244 | 0.8982 | 0.0000 | 92.231 | 0.97408 | 0.00000 | 91306.2 | 23384.9 | 0.0 | U/P |
| 13.267 | 0.8887 | 0.0000 | 92.231 | 0.97403 | 0.00000 | 91377.6 | 23462.9 | 0.0 | U/P |
| 13,289 | 0.8818 | 0.0000 | 92.230 | 0.97398 | 0.00000 | 91448.5 | 23540.8 | 0.0 | U/P |
| 13.311 | 0.8768 | 0.0000 | 92.230 | 0.97392 | 0.00000 | 91518.8 | 23618.7 | 0.0 | U/P |
| 13.333 | 0.8732 | 0.0000 | 92.229 | 0.97386 | 0.00000 | 91588.8 | 23696.6 | 0.0 | U/P |
| 13.356 | 0.8707 | 0.0000 | 92.229 | 0.97380 | 0.00000 | 91658.6 | 23774.5 | 0.0 | U/P |
| 13.378 | 0.8688 | 0.0000 | 92.228 | 0.97374 | 0.00000 | 91728.1 | 23852.4 | 0.0 | U/P |
| 13.400 | 0.8674 | 0.0000 | 92.228 | 0.97367 | 0.00000 | 91797.6 | 23930.3 | 0.0 | U/P |
| 13.422 | 0.8665 | 0.0000 | 92.227 | 0.97361 | 0.00000 | 91866.9 | 24008.2 | 0.0 | U/P |
| 13.444 | 0.8658 | 0.0000 | 92.227 | 0.97354 | 0.00000 | 91936.2 | 24086.1 | 0.0 | U/P |
| 13.467 | 0.8652 | 0.0000 | 92.226 | 0.97347 | 0.00000 | 92005.5 | 24164.0 | 0.0 | U/P |
| 13.489 | 0.8648 | 0.0000 | 92.226 | 0.97341 | 0.00000 | 92074.7 | 24241.9 | 0.0 | U/P |
| 13.511 | 0.8645 | 0.0000 | 92.225 | 0.97334 | 0.00000 | 92143.8 | 24319.7 | 0.0 | U/P |
| 13.533 | 0.8642 | 0.0000 | 92.225 | 0.97327 | 0.00000 | 92213.0 | 24397.6 | 0.0 | U/P |
| $\uparrow 3.556$ | 0.8635 | 0.0000 | 92.224 | 0.97320 | 0.00000 | 92282.1 | 24475.5 | 0.0 | U/P |
| 13.578 | 0.8622 | 0.0000 | 92.224 | 0.97314 | 0.00000 | 92351.1 | 24553.3 | 0.0 | U/P |
| 13.600 | 0.8604 | 0.0000 | 92.223 | 0.97307 | 0.00000 | 92420.0 | 24631.2 | 0.0 | U/P |
| 13.622 | 0.8583 | 0.0000 | 92.223 | 0.97300 | 0.00000 | 92488.8 | 24709.0 | 0.0 | U/P |
| 13.644 | 0.8564 | 0.0000 | 92.222 | 0.97293 | 0.00000 | 92557.4 | 24786.8 | 0.0 | U/P |
| 13.667 | 0.8548 | 0.0000 | 92.221 | 0.97286 | 0.00000 | 92625.8 | 24864.7 | 0.0 | U/P |
| 13.689 | 0.8537 | 0.0000 | 92.221 | 0.97278 | 0.00000 | 92694.2 | 24942.5 | 0.0 | U/P |
| 13.711 | 0.8529 | 0.0000 | 92.220 | 0.97271 | 0.00000 | 92762.4 | 25020.3 | 0.0 | U/P |
| 13.733 | 0.8523 | 0.0000 | 92.220 | 0.97264 | 0.00000 | 92830.6 | 25098.1 | 0.0 | U/P |
| 13.756 | 0.8518 | 0.0000 | 92.219 | 0.97256 | 0.00000 | 92898.8 | 25175.9 | 0.0 | U/P |
| 13.778 | 0.8515 | 0.0000 | 92.219 | 0.97249 | 0.00000 | 92966.9 | 25253.7 | 0.0 | U/P |
| 13.800 | 0.8513 | 0.0000 | 92.218 | 0.97241 | 0.00000 | 93035.0 | 25331.5 | 0.0 | U/P |
| 13.822 | 0.8512 | 0.0000 | 92.217 | 0.97234 | 0.00000 | 93103.1 | 25409.3 | 0.0 | U/P |
| 13.844 | 0.8510 | 0.0000 | 92.217 | 0.97226 | 0.00000 | 93171.2 | 25487.1 | 0.0 | U/P |
| 13.867 | 0.8510 | 0.0000 | 92.216 | 0.97219 | 0.00000 | 93239.3 | 25564.9 | 0.0 | U/P |
| 13.889 | 0.8509 | 0.0000 | 92.216 | 0.97211 | 0.00000 | 93307.4 | 25642.7 | 0.0 | U/P |
| 13.911 | 0.8509 | 0.0000 | 92.215 | 0.97204 | 0.00000 | 93375.5 | 25720.4 | 0.0 | U/P |
| 13.933 | 0.8508 | 0.0000 | 92.215 | 0.97196 | 0.00000 | 93443.5 | 25798.2 | 0.0 | U/P |
| 13.956 | 0.8508 | 0.0000 | 92.214 | 0.97189 | 0.00000 | 93511.6 | 25875.9 | 0.0 | U/P |
| 13.978 | 0.8508 | 0.0000 | 92.213 | 0.97181 | 0.00000 | 93579.6 | 25953.7 | 0.0 | U/P |
| 14.000 | 0.8479 | 0.0000 | 92.213 | 0.97174 | 0.00000 | 93647.6 | 26031.4 | 0.0 | U/P |
| 14.022 | 0.8341 | 0.0000 | 92.212 | 0.97166 | 0.00000 | 93714.9 | 26109.2 | 0.0 | U/P |
| 14.044 | 0.7996 | 0.0000 | 92.211 | 0.97157 | 0.00000 | 93780.2 | 26186.9 | 0.0 | U/P |
| 14.067 | 0.7399 | 0.0000 | 92.211 | 0.97146 | 0.00000 | 93841.8 | 26264.6 | 0.0 | U/P |
| 14.089 | 0.6644 | 0.0000 | 92.209 | 0.97132 | 0.00000 | 93898.0 | 26342.3 | 0.0 | U/P |
| 14.111 | 0.5875 | 0.0000 | 92.208 | 0.97113 | 0.00000 | 93948.1 | 26420.0 | 0.0 | U/P |
| 14.133 | 0.5183 | 0.0000 | 92.206 | 0.97089 | 0.00000 | 93992.3 | 26497.7 | 0.0 | U/P |
| 14.156 | 0.4630 | 0.0000 | 92.203 | 0.97061 | 0.00000 | 94031.5 | 26575.4 | 0.0 | U/P |
| 14.178 | 0.4236 | 0.0000 | 92.201 | 0.97030 | 0.00000 | 94067.0 | 26653.0 | 0.0 | U/P |
| 14.200 | 0.3959 | 0.0000 | 92.198 | 0.96996 | 0.00000 | 94099.8 | 26730.6 | 0.0 | U/P |
| 14.222 | 0.3759 | 0.0000 | 92.195 | 0.96961 | 0.00000 | 94130.7 | 26808.2 | 0.0 | U/P |
| 14.244 | 0.3613 | 0.0000 | 92.192 | 0.96924 | 0.00000 | 94160.1 | 26885.7 | 0.0 | U/P |
| 14.267 | 0.3508 | 0.0000 | 92.190 | 0.96887 | 0.00000 | 94188.6 | 26963.3 | 0.0 | U/P |
| 14.289 | 0.3432 | 0.0000 | 92.187 | 0.96849 | 0.00000 | 94216.4 | 27040.8 | 0.0 | U/P |
| 14.311 | 0.3377 | 0.0000 | 92.184 | 0.96810 | 0.00000 | 94243.6 | 27118.2 | 0.0 | U/P |
| 14.333 | 0.3338 | 0.0000 | 92.181 | 0.96771 | 0.00000 | 94270.5 | 27195.7 | 0.0 | U/P |
| 14.356 | 0.3310 | 0.0000 | 92.178 | 0.96731 | 0.00000 | 94297.1 | 27273.1 | 0.0 | U/P |
| 14.378 | 0.3289 | 0.0000 | 92.174 | 0.96692 | 0.00000 | 94323.5 | 27350.4 | 0.0 | U/P |
| 14.400 | 0.3274 | 0.0000 | 92.171 | 0.96652 | 0.00000 | 94349.7 | 27427.8 | 0.0 | U/P |
| 14.422 | 0.3264 | 0.0000 | 92.168 | 0.96613 | 0.00000 | 94375.9 | 27505.1 | 0.0 | U/P |
| 14.444 | 0.3256 | 0.0000 | 92.165 | 0.96573 | 0.00000 | 94402.0 | 27582.4 | 0.0 | U/P |
| 14.467 | 0.3249 | 0.0000 | 92.162 | 0.96533 | 0.00000 | 94428.0 | 27659.6 | 0.0 | U/P |
| 14.489 | 0.3245 | 0.0000 | 92.159 | 0.96493 | 0.00000 | 94454.0 | 27736.8 | 0.0 | U/P |
| 14.511 | 0.3243 | 0.0000 | 92.156 | 0.96453 | 0.00000 | 94479.9 | 27814.0 | 0.0 | U/P |
| 14.533 | 0.3242 | 0.0000 | 92.153 | 0.96413 | 0.00000 | 94505.8 | 27891.1 | 0.0 | U/P |
| 14.556 | 0.3242 | 0.0000 | 92.150 | 0.96374 | 0.00000 | 94531.8 | 27968.2 | 0.0 | U/P |
| 14.578 | 0.3241 | 0.0000 | 92.147 | 0.96334 | 0.00000 | 94557.7 | 28045.3 | 0.0 | U/P |
| 14.600 | 0.3241 | 0.0000 | 92.144 | 0.96294 | 0.00000 | 94583.6 | 28122.4 | 0.0 | U/P |
| 14.622 | 0.3241 | 0.0000 | 92.141 | 0.96254 | 0.00000 | 94609.6 | 28199.4 | 0.0 | U/P |
| 14.644 | 0.3241 | 0.0000 | 92.138 | 0.96214 | 0.00000 | 94635.5 | 28276.4 | 0.0 | U/P |
| 14.667 | 0.3241 | 0.0000 | 92.135 | 0.96174 | 0.00000 | 94661.4 | 28353.3 | 0.0 | U/P |
| 14.689 | 0.3241 | 0.0000 | 92.131 | 0.96135 | 0.00000 | 94687.3 | 28430.3 | 0.0 | U/P |
| 14.711 | 0.3241 | 0.0000 | 92.128 | 0.96095 | 0.00000 | 94713.3 | 28507.2 | 0.0 | U/P |
| 14.733 | 0.3241 | 0.0000 | 92.125 | 0.96055 | 0.00000 | 94739.2 | 28584.0 | 0.0 | U/P |
| 14.756 | 0.3241 | 0.0000 | 92.122 | 0.96015 | 0.00000 | 94765.1 | 28660.8 | 0.0 | U/P |
| 14.778 | 0.3241 | 0.0000 | 92.119 | 0.95975 | 0.00000 | 94791.1 | 28737.6 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: POND 6100 YR / 24 HR

| Elapsed Time (hours) | inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{n}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative infitration Volume ( $\mathrm{ft}{ }^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 14.800 | 0.3241 | 0.0000 | 92.116 | 0.95936 | 0.00000 | 94817.0 | 28814.4 | 0.0 | U/P |
| 14.822 | 0.3241 | 0.0000 | 92.113 | 0.95896 | 0.00000 | 94842.9 | 28891.1 | 0.0 | U/P |
| 14.844 | 0.3241 | 0.0000 | 92.110 | 0.95856 | 0.00000 | 94868.9 | 28967.8 | 0.0 | U/P |
| 14.867 | 0.3241 | 0.0000 | 92.107 | 0.95816 | 0.00000 | 94894.8 | 29044.5 | 0.0 | U/P |
| 14.889 | 0.3241 | 0.0000 | 92.104 | 0.95777 | 0.00000 | 94920.7 | 29121.1 | 0.0 | U/P |
| 14.911 | 0.3241 | 0.0000 | 92.101 | 0.95737 | 0.00000 | 94946.6 | 29197.7 | 0.0 | U/P |
| 14.933 | 0.3241 | 0.0000 | 92.098 | 0.95697 | 0.00000 | 94972.6 | 29274.3 | 0.0 | U/P |
| 14.956 | 0.3241 | 0.0000 | 92.095 | 0.95657 | 0.00000 | 94998.5 | 29350.9 | 0.0 | U/P |
| 14.978 | 0.3241 | 0.0000 | 92.092 | 0.95618 | 0.00000 | 95024.4 | 29427.4 | 0.0 | U/P |
| 15.000 | 0.3241 | 0.0000 | 92.089 | 0.95578 | 0.00000 | 95050.3 | 29503.9 | 0.0 | U/P |
| 15.022 | 0.3241 | 0.0000 | 92.085 | 0.95538 | 0.00000 | 95076.3 | 29580.3 | 0.0 | U/P |
| 15.044 | 0.3241 | 0.0000 | 92.082 | 0.95499 | 0.00000 | 95102.2 | 29656.7 | 0.0 | U/P |
| 15.067 | 0.3241 | 0.0000 | 92.079 | 0.95459 | 0.00000 | 95128.1 | 29733.1 | 0.0 | U/P |
| 15.089 | 0.3241 | 0.0000 | 92.076 | 0.95419 | 0.00000 | 95154.1 | 29809.4 | 0.0 | U/P |
| 15.111 | 0.3241 | 0.0000 | 92.073 | 0.95380 | 0.00000 | 95180.0 | 29885.8 | 0.0 | U/P |
| 15.133 | 0.3241 | 0.0000 | 92.070 | 0.95340 | 0.00000 | 95205.9 | 29962.1 | 0.0 | U/P |
| 15.156 | 0.3241 | 0.0000 | 92.067 | 0.95300 | 0.00000 | 95231.9 | 30038.3 | 0.0 | U/P |
| 15.178 | 0.3242 | 0.0000 | 92.064 | 0.95261 | 0.00000 | 95257.8 | 30114.5 | 0.0 | U/P |
| 15.200 | 0.3242 | 0.0000 | 92.061 | 0.95221 | 0.00000 | 95283.7 | 30190.7 | 0.0 | U/P |
| 15.222 | 0.3242 | 0.0000 | 92.058 | 0.95182 | 0.00000 | 95309.7 | 30266.9 | 0.0 | U/P |
| 15.244 | 0.3242 | 0.0000 | 92.055 | 0.95142 | 0.00000 | 95335.6 | 30343.0 | 0.0 | U/P |
| 15.267 | 0.3242 | 0.0000 | 92.052 | 0.95102 | 0.00000 | 95361.5 | 30419.1 | 0.0 | U/P |
| 15.289 | 0.3242 | 0.0000 | 92.049 | 0.95063 | 0.00000 | 95387.5 | 30495.2 | 0.0 | U/P |
| 15.311 | 0.3242 | 0.0000 | 92.046 | 0.95023 | 0.00000 | 95413.4 | 30571.2 | 0.0 | U/P |
| 15.333 | 0.3242 | 0.0000 | 92.043 | 0.94984 | 0.00000 | 95439.3 | 30647.2 | 0.0 | U/P |
| 15.356 | 0.3242 | 0.0000 | 92.040 | 0.94944 | 0.00000 | 95465.3 | 30723.2 | 0.0 | U/P |
| 15.378 | 0.3242 | 0.0000 | 92.037 | 0.94905 | 0.00000 | 95491.2 | 30799.1 | 0.0 | U/P |
| 15.400 | 0.3242 | 0.0000 | 92.034 | 0.94865 | 0.00000 | 95517.1 | 30875.0 | 0.0 | $\mathrm{U} / \mathrm{P}$ |
| 15.422 | 0.3242 | 0.0000 | 92.031 | 0.94825 | 0.00000 | 95543.1 | 30950.9 | 0.0 | U/P |
| 15.444 | 0.3242 | 0.0000 | 92.027 | 0.94786 | 0.00000 | 95569.0 | 31026.8 | 0.0 | U/P |
| 15.467 | 0.3242 | 0.0000 | 92.024 | 0.94746 | 0.00000 | 95594.9 | 31102.6 | 0.0 | U/P |
| 15.489 | 0.3242 | 0.0000 | 92.021 | 0.94707 | 0.00000 | 95620.8 | 31178.4 | 0.0 | U/P |
| 15.511 | 0.3239 | 0.0000 | 92.018 | 0.94667 | 0.00000 | 95646.8 | 31254.1 | 0.0 | U/P |
| 15.533 | 0.3225 | 0.0000 | 92.015 | 0.94628 | 0.00000 | 95672.6 | 31329.8 | 0.0 | U/P |
| 15.556 | 0.3191 | 0.0000 | 92.012 | 0.94588 | 0.00000 | 95698.3 | 31405.5 | 0.0 | U/P |
| 15.578 | 0.3131 | 0.0000 | 92.009 | 0.94548 | 0.00000 | 95723.6 | 31481.2 | 0.0 | U/P |
| 15.600 | 0.3054 | 0.0000 | 92.006 | 0.94508 | 0.00000 | 95748.3 | 31556.8 | 0.0 | U/P |
| 15.622 | 0.2974 | 0.0000 | 92.003 | 0.94468 | 0.00000 | 95772.4 | 31632.4 | 0.0 | U/P |
| 15.644 | 0.2903 | 0.0000 | 92.000 | 0.94426 | 0.00000 | 95796.0 | 31707.9 | 0.0 | U/P |
| 15.667 | 0.2845 | 0.0000 | 91.996 | 0.94382 | 0.00000 | 95818.9 | 31783.5 | 0.0 | U/P |
| 15.689 | 0.2804 | 0.0000 | 91.993 | 0.94335 | 0.00000 | 95841.5 | 31858.9 | 0.0 | U/P |
| 15.711 | 0.2776 | 0.0000 | 91.990 | 0.94287 | 0.00000 | 95863.9 | 31934.4 | 0.0 | U/P |
| 15.733 | 0.2755 | 0.0000 | 91.987 | 0.94240 | 0.00000 | 95886.0 | 32009.8 | 0.0 | U/P |
| 15.756 | 0.2740 | 0.0000 | 91.983 | 0.94192 | 0.00000 | 95908.0 | 32085.2 | 0.0 | U/P |
| 15.778 | 0.2729 | 0.0000 | 91.980 | 0.94144 | 0.00000 | 95929.8 | 32160.5 | 0.0 | U/P |
| 15.800 | 0.2721 | 0.0000 | 91.977 | 0.94096 | 0.00000 | 95951.6 | 32235.8 | 0.0 | U/P |
| 15.822 | 0.2715 | 0.0000 | 91.974 | 0.94049 | 0.00000 | 95973.4 | 32311.1 | 0.0 | U/P |
| 15.844 | 0.2711 | 0.0000 | 91.970 | 0.94001 | 0.00000 | 95995.1 | 32386.3 | 0.0 | U/P |
| 15.867 | 0.2708 | 0.0000 | 91.967 | 0.93953 | 0.00000 | 96016.8 | 32461.5 | 0.0 | U/P |
| 15.889 | 0.2706 | 0.0000 | 91.964 | 0.93905 | 0.00000 | 96038.4 | 32536.6 | 0.0 | U/P |
| 15.911 | 0.2704 | 0.0000 | 91.960 | 0.93857 | 0.00000 | 96060.1 | 32611.7 | 0.0 | U/P |
| 15.933 | 0.2703 | 0.0000 | 91.957 | 0.93809 | 0.00000 | 96081.7 | 32686.8 | 0.0 | U/P |
| 15.956 | 0.2703 | 0.0000 | 91.954 | 0.93761 | 0.00000 | 96103.3 | 32761.8 | 0.0 | U/P |
| 15.978 | 0.2702 | 0.0000 | 91.950 | 0.93713 | 0.00000 | 96124.9 | 32836.8 | 0.0 | U/P |
| 16.000 | 0.2701 | 0.0000 | 91.947 | 0.93665 | 0.00000 | 96146.5 | 32911.8 | 0.0 | U/P |
| 16.022 | 0.2696 | 0.0000 | 91.944 | 0.93617 | 0.00000 | 96168.1 | 32986.7 | 0.0 | U/P |
| 16.044 | 0.2677 | 0.0000 | 91.941 | 0.93569 | 0.00000 | 96189.6 | 33061.5 | 0.0 | U/P |
| 16.067 | 0.2634 | 0.0000 | 91.937 | 0.93520 | 0.00000 | 96210.9 | 33136.4 | 0.0 | U/P |
| 16.089 | 0.2566 | 0.0000 | 91.934 | 0.93472 | 0.00000 | 96231.7 | 33211.2 | 0.0 | U/P |
| 16.111 | 0.2487 | 0.0000 | 91.931 | 0.93423 | 0.00000 | 96251.9 | 33285.9 | 0.0 | U/P |
| 16.133 | 0.2410 | 0.0000 | 91.927 | 0.93374 | 0.00000 | 96271.5 | 33360.6 | 0.0 | U/P |
| 16.156 | 0.2342 | 0.0000 | 91.924 | 0.93324 | 0.00000 | 96290.5 | 33435.3 | 0.0 | U/P |
| 16.178 | 0.2290 | 0.0000 | 91.920 | 0.93273 | 0.00000 | 96309.0 | 33510.0 | 0.0 | U/P |
| 16.200 | 0.2254 | 0.0000 | 91.917 | 0.93222 | 0.00000 | 96327.2 | 33584.6 | 0.0 | U/P |
| 16.222 | 0.2228 | 0.0000 | 91.913 | 0.93171 | 0.00000 | 96345.1 | 33659.1 | 0.0 | U/P |
| 16.244 | 0.2209 | 0.0000 | 91.910 | 0.93120 | 0.00000 | 96362.9 | 33733.6 | 0.0 | U/P |
| 16.267 | 0.2195 | 0.0000 | 91.906 | 0.93068 | 0.00000 | 96380.5 | 33808.1 | 0.0 | U/P |
| 16.289 | 0.2185 | 0.0000 | 91.903 | 0.93017 | 0.00000 | 96398.0 | 33882.5 | 0.0 | U/P |
| 16.311 | 0.2178 | 0.0000 | 91.899 | 0.92965 | 0.00000 | 96415.5 | 33956.9 | 0.0 | U/P |
| 16.333 | 0.2173 | 0.0000 | 91.895 | 0.92914 | 0.00000 | 96432.9 | 34031.3 | 0.0 | U/P |
| 16.356 | 0.2170 | 0.0000 | 91.892 | 0.92862 | 0.00000 | 96450.2 | 34105.6 | 0.0 | U/P |
| 16.378 | 0.2167 | 0.0000 | 91.888 | 0.92810 | 0.00000 | 96467.6 | 34179.9 | 0.0 | U/P |
| 16.400 | 0.2165 | 0.0000 | 91.885 | 0.92759 | 0.00000 | 96484.9 | 34254.1 | 0.0 | U/P |
| 16.422 | 0.2164 | 0.0000 | 91.881 | 0.92707 | 0.00000 | 96502.2 | 34328.3 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: POND 6100 YR / 24 HR

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge $\left(\mathrm{ft}^{3} / \mathrm{s}\right)$ | Cumulative Inflow <br> Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative <br> Discharge <br> Volume ( $\mathrm{f}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 16.444 | 0.2163 | 0.0000 | 91.878 | 0.92655 | 0.00000 | 96519.5 | 34402.4 | 0.0 | U/P |
| 16.467 | 0.2162 | 0.0000 | 91.874 | 0.92604 | 0.00000 | 96536.8 | 34476.5 | 0.0 | U/P |
| 16.489 | 0.2161 | 0.0000 | 91.871 | 0.92552 | 0.00000 | 96554.1 | 34550.6 | 0.0 | U/P |
| 16.511 | 0.2161 | 0.0000 | 91.867 | 0.92500 | 0.00000 | 96571.4 | 34624.6 | 0.0 | U/P |
| 16.533 | 0.2170 | 0.0000 | 91.864 | 0.92449 | 0.00000 | 96588.7 | 34698.6 | 0.0 | U/P |
| 16.556 | 0.2201 | 0.0000 | 91.860 | 0.92397 | 0.00000 | 96606.2 | 34772.5 | 0.0 | U/P |
| 16.578 | 0.2266 | 0.0000 | 91.856 | 0.92346 | 0.00000 | 96624.1 | 34846.4 | 0.0 | U/P |
| 16.600 | 0.2359 | 0.0000 | 91.853 | 0.92295 | 0.00000 | 96642.6 | 34920.3 | 0.0 | U/P |
| 16.622 | 0.2460 | 0.0000 | 91.850 | 0.92245 | 0.00000 | 96661.9 | 34994.1 | 0.0 | U/P |
| 16.644 | 0.2555 | 0.0000 | 91.846 | 0.92195 | 0.00000 | 96681.9 | 35067.9 | 0.0 | U/P |
| 16.667 | 0.2634 | 0.0000 | 91.843 | 0.92146 | 0.00000 | 96702.7 | 35141.6 | 0.0 | U/P |
| 16.689 | 0.2692 | 0.0000 | 91.840 | 0.92098 | 0.00000 | 96724.0 | 35215.3 | 0.0 | U/P |
| 16.711 | 0.2732 | 0.0000 | 91.836 | 0.92051 | 0.00000 | 96745.7 | 35289.0 | 0.0 | U/P |
| 16.733 | 0.2761 | 0.0000 | 91.833 | 0.92003 | 0.00000 | 96767.7 | 35362.6 | 0.0 | U/P |
| 16.756 | 0.2782 | 0.0000 | 91.830 | 0.91956 | 0.00000 | 96789.8 | 35436.2 | 0.0 | U/P |
| 16.778 | 0.2798 | 0.0000 | 91.827 | 0.91909 | 0.00000 | 96812.1 | 35509.7 | 0.0 | U/P |
| 16.800 | 0.2809 | 0.0000 | 91.823 | 0.91862 | 0.00000 | 96834.6 | 35583.2 | 0.0 | U/P |
| 16.822 | 0.2816 | 0.0000 | 91.820 | 0.91815 | 0.00000 | 96857.1 | 35656.7 | 0.0 | U/P |
| 16.844 | 0.2822 | 0.0000 | 91.817 | 0.91768 | 0.00000 | 96879.6 | 35730.1 | 0.0 | U/P |
| 16.867 | 0.2826 | 0.0000 | 91.814 | 0.91722 | 0.00000 | 96902.2 | 35803.5 | 0.0 | U/P |
| 16.889 | 0.2829 | 0.0000 | 91.811 | 0.91675 | 0.00000 | 96924.8 | 35876.9 | 0.0 | U/P |
| 16.911 | 0.2831 | 0.0000 | 91.807 | 0.91628 | 0.00000 | 96947.5 | 35950.2 | 0.0 | U/P |
| 16.933 | 0.2833 | 0.0000 | 91.804 | 0.91582 | 0.00000 | 96970.1 | 36023.5 | 0.0 | U/P |
| 16.956 | 0.2834 | 0.0000 | 91.801 | 0.91535 | 0.00000 | 96992.8 | 36096.7 | 0.0 | U/P |
| 16.978 | 0.2835 | 0.0000 | 91.798 | 0.91489 | 0.00000 | 97015.5 | 36170.0 | 0.0 | U/P |
| 17.000 | 0.2838 | 0.0000 | 91.795 | 0.91442 | 0.00000 | 97038.2 | 36243.1 | 0.0 | U/P |
| 17.022 | 0.2849 | 0.0000 | 91.791 | 0.91396 | 0.00000 | 97060.9 | 36316.3 | 0.0 | U/P |
| 17.044 | 0.2876 | 0.0000 | 91.788 | 0.91349 | 0.00000 | 97083.8 | 36389.4 | 0.0 | U/P |
| 17.067 | 0.2922 | 0.0000 | 91.785 | 0.91303 | 0.00000 | 97107.0 | 36462.4 | 0.0 | U/P |
| 17.089 | 0.2980 | 0.0000 | 91.782 | 0.91257 | 0.00000 | 97130.6 | 36535.4 | 0.0 | U/P |
| 17.111 | 0.3039 | 0.0000 | 91.779 | 0.91212 | 0.00000 | 97154.7 | 36608.4 | 0.0 | U/P |
| 17.133 | 0.3092 | 0.0000 | 91.776 | 0.91167 | 0.00000 | 97179.2 | 36681.4 | 0.0 | U/P |
| 17.156 | 0.3135 | 0.0000 | 91.773 | 0.91122 | 0.00000 | 97204.1 | 36754.3 | 0.0 | U/P |
| 17.178 | 0.3165 | 0.0000 | 91.770 | 0.91078 | 0.00000 | 97229.3 | 36827.2 | 0.0 | U/P |
| 17.200 | 0.3186 | 0.0000 | 91.767 | 0.91034 | 0.00000 | 97254.7 | 36900.0 | 0.0 | U/P |
| 17.222 | 0.3202 | 0.0000 | 91.764 | 0.90990 | 0.00000 | 97280.3 | 36972.8 | 0.0 | U/P |
| 17.244 | 0.3213 | 0.0000 | 91.761 | 0.90947 | 0.00000 | 97305.9 | 37045.6 | 0.0 | U/P |
| 17.267 | 0.3221 | 0.0000 | 91.758 | 0.90903 | 0.00000 | 97331.7 | 37118.3 | 0.0 | U/P |
| 17.289 | 0.3227 | 0.0000 | 91.755 | 0.90859 | 0.00000 | 97357.5 | 37191.0 | 0.0 | U/P |
| 17.311 | 0.3231 | 0.0000 | 91.752 | 0.90816 | 0.00000 | 97383.3 | 37263.7 | 0.0 | U/P |
| 17.333 | 0.3234 | 0.0000 | 91.749 | 0.90773 | 0.00000 | 97409.2 | 37336.4 | 0.0 | U/P |
| 17.356 | 0.3236 | 0.0000 | 91.746 | 0.90729 | 0.00000 | 97435.0 | 37409.0 | 0.0 | U/P |
| 17.378 | 0.3238 | 0.0000 | 91.743 | 0.90686 | 0.00000 | 97460.9 | 37481.5 | 0.0 | U/P |
| 17.400 | 0.3239 | 0.0000 | 91.740 | 0.90642 | 0.00000 | 97486.8 | 37554.1 | 0.0 | U/P |
| 17.422 | 0.3240 | 0.0000 | 91.737 | 0.90599 | 0.00000 | 97512.8 | 37626.5 | 0.0 | U/P |
| 17.444 | 0.3241 | 0.0000 | 91.734 | 0.90556 | 0.00000 | 97538.7 | 37699.0 | 0.0 | U/P |
| 17.467 | 0.3241 | 0.0000 | 91.731 | 0.90512 | 0.00000 | 97564.6 | 37771.4 | 0.0 | U/P |
| 17.489 | 0.3241 | 0.0000 | 91.728 | 0.90469 | 0.00000 | 97590.5 | 37843.8 | 0.0 | U/P |
| 17.511 | 0.3236 | 0.0000 | 91.725 | 0.90426 | 0.00000 | 97616.5 | 37916.2 | 0.0 | U/P |
| 17.533 | 0.3217 | 0.0000 | 91.722 | 0.90383 | 0.00000 | 97642.3 | 37988.5 | 0.0 | U/P |
| 17.556 | 0.3172 | 0.0000 | 91.719 | 0.90339 | 0.00000 | 97667.8 | 38060.8 | 0.0 | U/P |
| 17.578 | 0.3104 | 0.0000 | 91.716 | 0.90295 | 0.00000 | 97692.9 | 38133.1 | 0.0 | U/P |
| 17.600 | 0.3024 | 0.0000 | 91.713 | 0.90251 | 0.00000 | 97717.4 | 38205.3 | 0.0 | U/P |
| 17.622 | 0.2947 | 0.0000 | 91.710 | 0.90206 | 0.00000 | 97741.3 | 38277.5 | 0.0 | U/P |
| 17.644 | 0.2880 | 0.0000 | 91.707 | 0.90161 | 0.00000 | 97764.6 | 38349.6 | 0.0 | U/P |
| 17.667 | 0.2829 | 0.0000 | 91.703 | 0.90115 | 0.00000 | 97787.5 | 38421.7 | 0.0 | U/P |
| 17.689 | 0.2793 | 0.0000 | 91.700 | 0.90069 | 0.00000 | 97810.0 | 38493.8 | 0.0 | U/P |
| 17.711 | 0.2768 | 0.0000 | 91.697 | 0.90022 | 0.00000 | 97832.2 | 38565.8 | 0.0 | U/P |
| 17.733 | 0.2749 | 0.0000 | 91.694 | 0.89976 | 0.00000 | 97854.3 | 38637.8 | 0.0 | U/P |
| 17.756 | 0.2735 | 0.0000 | 91.691 | 0.89929 | 0.00000 | 97876.2 | 38709.8 | 0.0 | U/P |
| 17.778 | 0.2726 | 0.0000 | 91.687 | 0.89882 | 0.00000 | 97898.0 | 38781.7 | 0.0 | U/P |
| 17.800 | 0.2719 | 0.0000 | 91.684 | 0.89835 | 0.00000 | 97919.8 | 38853.6 | 0.0 | U/P |
| 17.822 | 0.2714 | 0.0000 | 91.681 | 0.89788 | 0.00000 | 97941.6 | 38925.4 | 0.0 | U/P |
| 17.844 | 0.2710 | 0.0000 | 91.678 | 0.89741 | 0.00000 | 97963.2 | 38997.3 | 0.0 | U/P |
| 17.867 | 0.2707 | 0.0000 | 91.674 | 0.89694 | 0.00000 | 97984.9 | 39069.0 | 0.0 | U/P |
| 17.889 | 0.2705 | 0.0000 | 91.671 | 0.89647 | 0.00000 | 98006.6 | 39140.8 | 0.0 | U/P |
| 17.911 | 0.2704 | 0.0000 | 91.668 | 0.89600 | 0.00000 | 98028.2 | 39212.5 | 0.0 | U/P |
| 17.933 | 0.2703 | 0.0000 | 91.665 | 0.89553 | 0.00000 | 98049.8 | 39284.1 | 0.0 | U/P |
| 17.956 | 0.2702 | 0.0000 | 91.662 | 0.89505 | 0.00000 | 98071.5 | 39355.8 | 0.0 | U/P |
| 17.978 | 0.2702 | 0.0000 | 91.658 | 0.89458 | 0.00000 | 98093.1 | 39427.3 | 0.0 | U/P |
| 18.000 | 0.2701 | 0.0000 | 91.655 | 0.89411 | 0.00000 | 98114.7 | 39498.9 | 0.0 | U/P |
| 18.022 | 0.2693 | 0.0000 | 91.652 | 0.89364 | 0.00000 | 98136.3 | 39570.4 | 0.0 | U/P |
| 18.044 | 0.2668 | 0.0000 | 91.649 | 0.89317 | 0.00000 | 98157.7 | 39641.9 | 0.0 | U/P |
| 18.067 | 0.2614 | 0.0000 | 91.645 | 0.89270 | 0.00000 | 98178.8 | 39713.3 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: POND 6100 YR/24HR

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{t}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 18.089 | 0.2539 | 0.0000 | 91.642 | 0.89222 | 0.00000 | 98199.5 | 39784.7 | 0.0 | U/P |
| 18.111 | 0.2458 | 0.0000 | 91.639 | 0.89174 | 0.00000 | 98219.4 | 39856.1 | 0.0 | U/P |
| 18.133 | 0.2383 | 0.0000 | 91.635 | 0.89125 | 0.00000 | 98238.8 | 39927.4 | 0.0 | U/P |
| 18.156 | 0.2319 | 0.0000 | 91.632 | 0.89076 | 0.00000 | 98257.6 | 39998.7 | 0.0 | U/P |
| 18.178 | 0.2274 | 0.0000 | 91.629 | 0.89026 | 0.00000 | 98276.0 | 40069.9 | 0.0 | U/P |
| 18.200 | 0.2242 | 0.0000 | 91.625 | 0.88976 | 0.00000 | 98294.1 | 40141.1 | 0.0 | U/P |
| 18.222 | 0.2220 | 0.0000 | 91.622 | 0.88925 | 0.00000 | 98311.9 | 40212.3 | 0.0 | U/P |
| 18.244 | 0.2203 | 0.0000 | 91.618 | 0.88875 | 0.00000 | 98329.6 | 40283.4 | 0.0 | U/P |
| 18.267 | 0.2191 | 0.0000 | 91.615 | 0.88824 | 0.00000 | 98347.2 | 40354.5 | 0.0 | U/P |
| 18.289 | 0.2182 | 0.0000 | 91.611 | 0.88773 | 0.00000 | 98364.7 | 40425.5 | 0.0 | U/P |
| 18.311 | 0.2176 | 0.0000 | 91.608 | 0.88722 | 0.00000 | 98382.1 | 40496.5 | 0.0 | U/P |
| 18.333 | 0.2172 | 0.0000 | 91.604 | 0.88671 | 0.00000 | 98399.5 | 40567.5 | 0.0 | U/P |
| 18.356 | 0.2168 | 0.0000 | 91.601 | 0.88620 | 0.00000 | 98416.8 | 40638.4 | 0.0 | U/P |
| 18.378 | 0.2166 | 0.0000 | 91.597 | 0.88570 | 0.00000 | 98434.2 | 40709.2 | 0.0 | U/P |
| 18.400 | 0.2164 | 0.0000 | 91.594 | 0.88519 | 0.00000 | 98451.5 | 40780.1 | 0.0 | U/P |
| 18.422 | 0.2163 | 0.0000 | 91.590 | 0.88468 | 0.00000 | 98468.8 | 40850.9 | 0.0 | U/P |
| 18.444 | 0.2162 | 0.0000 | 91.587 | 0.88417 | 0.00000 | 98486.1 | 40921.6 | 0.0 | U/P |
| 18.467 | 0.2162 | 0.0000 | 91.583 | 0.88366 | 0.00000 | 98503.4 | 40992.3 | 0.0 | U/P |
| 18.489 | 0.2161 | 0.0000 | 91.580 | 0.88315 | 0.00000 | 98520.7 | 41063.0 | 0.0 | U/P |
| 18.511 | 0.2163 | 0.0000 | 91.576 | 0.88264 | 0.00000 | 98538.0 | 41133.6 | 0.0 | U/P |
| 18.533 | 0.2177 | 0.0000 | 91.573 | 0.88213 | 0.00000 | 98555.4 | 41204.2 | 0.0 | U/P |
| 18.556 | 0.2211 | 0.0000 | 91.569 | 0.88162 | 0.00000 | 98572.9 | 41274.8 | 0.0 | U/P |
| 18.578 | 0.2271 | 0.0000 | 91.566 | 0.88112 | 0.00000 | 98590.8 | 41345.3 | 0.0 | U/P |
| 18.600 | 0.2349 | 0.0000 | 91.562 | 0.88062 | 0.00000 | 98609.3 | 41415.8 | 0.0 | U/P |
| 18.622 | 0.2428 | 0.0000 | 91.559 | 0.88012 | 0.00000 | 98628.4 | 41486.2 | 0.0 | U/P |
| 18.644 | 0.2499 | 0.0000 | 91.556 | 0.87964 | 0.00000 | 98648.1 | 41556.6 | 0.0 | U/P |
| 18.667 | 0.2557 | 0.0000 | 91.552 | 0.87915 | 0.00000 | 98668.4 | 41626.9 | 0.0 | U/P |
| 18.689 | 0.2598 | 0.0000 | 91.549 | 0.87867 | 0.00000 | 98689.0 | 41697.2 | 0.0 | U/P |
| 18.711 | 0.2627 | 0.0000 | 91.546 | 0.87820 | 0.00000 | 98709.9 | 41767.5 | 0.0 | U/P |
| 18.733 | 0.2647 | 0.0000 | 91.543 | 0.87773 | 0.00000 | 98731.0 | 41837.8 | 0.0 | U/P |
| 18.756 | 0.2663 | 0.0000 | 91.539 | 0.87725 | 0.00000 | 98752.2 | 41908.0 | 0.0 | U/P |
| 18.778 | 0.2673 | 0.0000 | 91.536 | 0.87678 | 0.00000 | 98773.6 | 41978.1 | 0.0 | U/P |
| 18.800 | 0.2681 | 0.0000 | 91.533 | 0.87632 | 0.00000 | 98795.0 | 42048.2 | 0.0 | U/P |
| 18.822 | 0.2687 | 0.0000 | 91.530 | 0.87585 | 0.00000 | 98816.4 | 42118.3 | 0.0 | U/P |
| 18.844 | 0.2691 | 0.0000 | 91.526 | 0.87538 | 0.00000 | 98838.0 | 42188.4 | 0.0 | U/P |
| 18.867 | 0.2694 | 0.0000 | 91.523 | 0.87491 | 0.00000 | 98859.5 | 42258.4 | 0.0 | U/P |
| 18.889 | 0.2696 | 0.0000 | 91.520 | 0.87445 | 0.00000 | 98881.1 | 42328.4 | 0.0 | U/P |
| 18.911 | 0.2698 | 0.0000 | 91.517 | 0.87398 | 0.00000 | 98902.6 | 42398.3 | 0.0 | U/P |
| 18.933 | 0.2699 | 0.0000 | 91.514 | 0.87351 | 0.00000 | 98924.2 | 42468.2 | 0.0 | U/P |
| 18.956 | 0.2700 | 0.0000 | 91.510 | 0.87305 | 0.00000 | 98945.8 | 42538.1 | 0.0 | U/P |
| 18.978 | 0.2700 | 0.0000 | 91.507 | 0.87258 | 0.00000 | 98967.4 | 42607.9 | 0.0 | U/P |
| 19.000 | 0.2701 | 0.0000 | 91.504 | 0.87212 | 0.00000 | 98989.0 | 42677.7 | 0.0 | U/P |
| 19.022 | 0.2691 | 0.0000 | 91.501 | 0.87165 | 0.00000 | 99010.6 | 42747.4 | 0.0 | U/P |
| 19.044 | 0.2653 | 0.0000 | 91.498 | 0.87118 | 0.00000 | 99032.0 | 42817.1 | 0.0 | U/P |
| 19.067 | 0.2566 | 0.0000 | 91.494 | 0.87072 | 0.00000 | 99052.8 | 42886.8 | 0.0 | U/P |
| 19.089 | 0.2431 | 0.0000 | 91.491 | 0.87024 | 0.00000 | 99072.8 | 42956.5 | 0.0 | U/P |
| 19.111 | 0.2273 | 0.0000 | 91.488 | 0.86975 | 0.00000 | 99091.6 | 43026.1 | 0.0 | U/P |
| 19.133 | 0.2119 | 0.0000 | 91.484 | 0.86925 | 0.00000 | 99109.2 | 43095.6 | 0.0 | U/P |
| 19.156 | 0.1984 | 0.0000 | 91.481 | 0.86874 | 0.00000 | 99125.6 | 43165.1 | 0.0 | U/P |
| 19.178 | 0.1880 | 0.0000 | 91.477 | 0.86823 | 0.00000 | 99141.1 | 43234.6 | 0.0 | U/P |
| 19.200 | 0.1807 | 0.0000 | 91.473 | 0.86770 | 0.00000 | 99155.8 | 43304.1 | 0.0 | U/P |
| 19.222 | 0.1755 | 0.0000 | 91.470 | 0.86716 | 0.00000 | 99170.1 | 43373.4 | 0.0 | U/P |
| 19.244 | 0.1717 | 0.0000 | 91.466 | 0.86663 | 0.00000 | 99184.0 | 43442.8 | 0.0 | U/P |
| 19.267 | 0.1690 | 0.0000 | 91.462 | 0.86609 | 0.00000 | 99197.6 | 43512.1 | 0.0 | U/P |
| 19.289 | 0.1670 | 0.0000 | 91.459 | 0.86554 | 0.00000 | 99211.0 | 43581.4 | 0.0 | U/P |
| 19.311 | 0.1656 | 0.0000 | 91.455 | 0.86500 | 0.00000 | 99224.3 | 43650.6 | 0.0 | U/P |
| 19.333 | 0.1646 | 0.0000 | 91.451 | 0.86445 | 0.00000 | 99237.6 | 43719.8 | 0.0 | U/P |
| 19.356 | 0.1639 | 0.0000 | 91.447 | 0.86391 | 0.00000 | 99250.7 | 43788.9 | 0.0 | U/P |
| 19.378 | 0.1633 | 0.0000 | 91.444 | 0.86336 | 0.00000 | 99263.8 | 43858.0 | 0.0 | U/P |
| 19.400 | 0.1629 | 0.0000 | 91.440 | 0.86282 | 0.00000 | 99276.8 | 43927.0 | 0.0 | U/P |
| 19.422 | 0.1627 | 0.0000 | 91.436 | 0.86227 | 0.00000 | 99289.8 | 43996.0 | 0.0 | U/P |
| 19.444 | 0.1625 | 0.0000 | 91.432 | 0.86172 | 0.00000 | 99302.9 | 44065.0 | 0.0 | U/P |
| 19.467 | 0.1623 | 0.0000 | 91.429 | 0.86117 | 0.00000 | 99315.8 | 44133.9 | 0.0 | U/P |
| 19.489 | 0.1622 | 0.0000 | 91.425 | 0.86063 | 0.00000 | 99328.8 | 44202.8 | 0.0 | U/P |
| 19.511 | 0.1621 | 0.0000 | 91.421 | 0.86008 | 0.00000 | 99341.8 | 44271.6 | 0.0 | U/P |
| 19.533 | 0.1630 | 0.0000 | 91.417 | 0.85953 | 0.00000 | 99354.8 | 44340.4 | 0.0 | U/P |
| 19.556 | 0.1659 | 0.0000 | 91.414 | 0.85899 | 0.00000 | 99368.0 | 44409.1 | 0.0 | U/P |
| 19.578 | 0.1722 | 0.0000 | 91.410 | 0.85844 | 0.00000 | 99381.5 | 44477.8 | 0.0 | U/P |
| 19.600 | 0.1811 | 0.0000 | 91.406 | 0.85790 | 0.00000 | 99395.6 | 44546.5 | 0.0 | U/P |
| 19.622 | 0.1908 | 0.0000 | 91.403 | 0.85737 | 0.00000 | 99410.5 | 44615.1 | 0.0 | U/P |
| 19.644 | 0.1999 | 0.0000 | 91.399 | 0.85685 | 0.00000 | 99426.1 | 44683.7 | 0.0 | U/P |
| 19.667 | 0.2076 | 0.0000 | 91.395 | 0.85633 | 0.00000 | 99442.4 | 44752.2 | 0.0 | U/P |
| 19.689 | 0.2131 | 0.0000 | 91.392 | 0.85582 | 0.00000 | 99459.3 | 44820.7 | 0.0 | U/P |
| 19.711 | 0.2169 | 0.0000 | 91.389 | 0.85531 | 0.00000 | 99476.5 | 44889.1 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:: Scenario 1 :: POND 6100 YR / 24 HR

| Elapsed Time (hours) | Inflow <br> Rate <br> ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (fUday) | Stage Elevation (fl datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overfiow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative tnflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 19.733 | 0.2197 | 0.0000 | 91.385 | 0.85481 | 0.00000 | 99493.9 | 44957.5 | 0.0 | U/P |
| 19.756 | 0.2218 | 0.0000 | 91.382 | 0.85431 | 0.00000 | 99511.6 | 45025.9 | 0.0 | U/P |
| 19.778 | 0.2232 | 0.0000 | 91.378 | 0.85381 | 0.00000 | 99529.4 | 45094.2 | 0.0 | U/P |
| 19.800 | 0.2243 | 0.0000 | 91.375 | 0.85331 | 0.00000 | 99547.3 | 45162.5 | 0.0 | U/P |
| 19.822 | 0.2250 | 0.0000 | 91.371 | 0.85281 | 0.00000 | 99565.2 | 45230.8 | 0.0 | U/P |
| 19.844 | 0.2256 | 0.0000 | 91.368 | 0.85232 | 0.00000 | 99583.3 | 45299.0 | 0.0 | U/P |
| 19.867 | 0.2260 | 0.0000 | 91.365 | 0.85182 | 0.00000 | 99601.3 | 45367.1 | 0.0 | U/P |
| 19.889 | 0.2263 | 0.0000 | 91.361 | 0.85133 | 0.00000 | 99619.4 | 45435.3 | 0.0 | U/P |
| 19.911 | 0.2265 | 0.0000 | 91.358 | 0.85083 | 0.00000 | 99637.5 | 45503.3 | 0.0 | U/P |
| 19.933 | 0.2266 | 0.0000 | 91.354 | 0.85034 | 0.00000 | 99655.7 | 45571.4 | 0.0 | U/P |
| 19.956 | 0.2267 | 0.0000 | 91.351 | 0.84984 | 0.00000 | 99673.8 | 45639.4 | 0.0 | U/P |
| 19.978 | 0.2268 | 0.0000 | 91.348 | 0.84935 | 0.00000 | 99691.9 | 45707.4 | 0.0 | U/P |
| 20.000 | 0.2262 | 0.0000 | 91.344 | 0.84885 | 0.00000 | 99710.1 | 45775.3 | 0.0 | U/P |
| 20.022 | 0.2231 | 0.0000 | 91.341 | 0.84836 | 0.00000 | 99728.0 | 45843.2 | 0.0 | U/P |
| 20.044 | 0.2154 | 0.0000 | 91.337 | 0.84786 | 0.00000 | 99745.6 | 45911.0 | 0.0 | U/P |
| 20.067 | 0.2019 | 0.0000 | 91.334 | 0.84736 | 0.00000 | 99762.3 | 45978.8 | 0.0 | U/P |
| 20.089 | 0.1849 | 0.0000 | 91.330 | 0.84684 | 0.00000 | 99777.7 | 46046.6 | 0.0 | U/P |
| 20.111 | 0.1675 | 0.0000 | 91.327 | 0.84631 | 0.00000 | 99791.8 | 46114.3 | 0.0 | U/P |
| 20.133 | 0.1519 | 0.0000 | 91.323 | 0.84577 | 0.00000 | 99804.6 | 46182.0 | 0.0 | U/P |
| 20.156 | 0.1394 | 0.0000 | 91.319 | 0.84522 | 0.00000 | 99816.2 | 46249.7 | 0.0 | U/P |
| 20.178 | 0.1305 | 0.0000 | 91.315 | 0.84466 | 0.00000 | 99827.0 | 46317.3 | 0.0 | U/P |
| 20.200 | 0.1243 | 0.0000 | 91.311 | 0.84409 | 0.00000 | 99837.2 | 46384.8 | 0.0 | U/P |
| 20.222 | 0.1197 | 0.0000 | 91.307 | 0.84351 | 0.00000 | 99847.0 | 46452.3 | 0.0 | U/P |
| 20.244 | 0.1164 | 0.0000 | 91.303 | 0.84294 | 0.00000 | 99856.4 | 46519.8 | 0.0 | U/P |
| 20.267 | 0.1141 | 0.0000 | 91.299 | 0.84236 | 0.00000 | 99865.7 | 46587.2 | 0.0 | U/P |
| 20.289 | 0.1124 | 0.0000 | 91.295 | 0.84177 | 0.00000 | 99874.7 | 46654.5 | 0.0 | U/P |
| 20.311 | 0.1111 | 0.0000 | 91.291 | 0.84119 | 0.00000 | 99883.7 | 46721.9 | 0.0 | U/P |
| 20.333 | 0.1102 | 0.0000 | 91.287 | 0.84060 | 0.00000 | 99892.5 | 46789.1 | 0.0 | U/P |
| 20.356 | 0.1096 | 0.0000 | 91.283 | 0.84002 | 0.00000 | 99901.3 | 46856.4 | 0.0 | U/P |
| 20.378 | 0.1091 | 0.0000 | 91.279 | 0.83943 | 0.00000 | 99910.1 | 46923.5 | 0.0 | U/P |
| 20.400 | 0.1088 | 0.0000 | 91.275 | 0.83884 | 0.00000 | 99918.8 | 46990.7 | 0.0 | U/P |
| 20.422 | 0.1086 | 0.0000 | 91.271 | 0.83826 | 0.00000 | 99927.5 | 47057.8 | 0.0 | U/P |
| 20.444 | 0.1084 | 0.0000 | 91.267 | 0.83767 | 0.00000 | 99936.1 | 47124.8 | 0.0 | U/P |
| 20.467 | 0.1082 | 0.0000 | 91.263 | 0.83708 | 0.00000 | 99944.8 | 47191.8 | 0.0 | U/P |
| 20.489 | 0.1081 | 0.0000 | 91.259 | 0.83650 | 0.00000 | 99953.5 | 47258.7 | 0.0 | U/P |
| 20.511 | 0.1086 | 0.0000 | 91.255 | 0.83591 | 0.00000 | 99962.1 | 47325.6 | 0.0 | U/P |
| 20.533 | 0.1106 | 0.0000 | 91.251 | 0.83532 | 0.00000 | 99970.9 | 47392.5 | 0.0 | U/P |
| 20.556 | 0.1150 | 0.0000 | 91.247 | 0.83474 | 0.00000 | 99979.9 | 47459.3 | 0.0 | U/P |
| 20.578 | 0.1218 | 0.0000 | 91.243 | 0.83416 | 0.00000 | 99989.4 | 47526.0 | 0.0 | U/P |
| 20.600 | 0.1298 | 0.0000 | 91.239 | 0.83358 | 0.00000 | 99999.5 | 47592.7 | 0.0 | U/P |
| 20.622 | 0.1375 | 0.0000 | 91.235 | 0.83301 | 0.00000 | 100010.1 | 47659.4 | 0.0 | U/P |
| 20.644 | 0.1442 | 0.0000 | 91.231 | 0.83245 | 0.00000 | 100021.4 | 47726.0 | 0.0 | U/P |
| 20.667 | 0.1493 | 0.0000 | 91.227 | 0.83189 | 0.00000 | 100033.1 | 47792.6 | 0.0 | U/P |
| 20.689 | 0.1529 | 0.0000 | 91.224 | 0.83134 | 0.00000 | 100045.2 | 47859.1 | 0.0 | U/P |
| 20.711 | 0.1554 | 0.0000 | 91.220 | 0.83079 | 0.00000 | 100057.6 | 47925.6 | 0.0 | U/P |
| 20.733 | 0.1573 | 0.0000 | 91.216 | 0.83024 | 0.00000 | 100070.1 | 47992.0 | 0.0 | U/P |
| 20.756 | 0.1586 | 0.0000 | 91.212 | 0.82969 | 0.00000 | 100082.7 | 48058.4 | 0.0 | U/P |
| 20.778 | 0.1596 | 0.0000 | 91.209 | 0.82915 | 0.00000 | 100095.4 | 48124.8 | 0.0 | U/P |
| 20.800 | 0.1603 | 0.0000 | 91.205 | 0.82860 | 0.00000 | 100108.2 | 48191.1 | 0.0 | U/P |
| 20.822 | 0.1608 | 0.0000 | 91.201 | 0.82806 | 0.00000 | 100121.1 | 48257.4 | 0.0 | U/P |
| 20.844 | 0.1612 | 0.0000 | 91.197 | 0.82752 | 0.00000 | 100134.0 | 48323.6 | 0.0 | U/P |
| 20.867 | 0.1614 | 0.0000 | 91.194 | 0.82697 | 0.00000 | 100146.9 | 48389.8 | 0.0 | U/P |
| 20.889 | 0.1616 | 0.0000 | 91.190 | 0.82643 | 0.00000 | 100159.8 | 48455.9 | 0.0 | U/P |
| 20.911 | 0.1618 | 0.0000 | 91.186 | 0.82589 | 0.00000 | 100172.7 | 48522.0 | 0.0 | U/P |
| 20.933 | 0.1619 | 0.0000 | 91.183 | 0.82534 | 0.00000 | 100185.7 | 48588.1 | 0.0 | U/P |
| 20.956 | 0.1619 | 0.0000 | 91.179 | 0.82480 | 0.00000 | 100198.6 | 48654.1 | 0.0 | U/P |
| 20.978 | 0.1620 | 0.0000 | 91.175 | 0.82426 | 0.00000 | 100211.6 | 48720.0 | 0.0 | U/P |
| 21.000 | 0.1620 | 0.0000 | 91.171 | 0.82372 | 0.00000 | 100224.5 | 48785.9 | 0.0 | U/P |
| 21.022 | 0.1612 | 0.0000 | 91.168 | 0.82318 | 0.00000 | 100237.5 | 48851.8 | 0.0 | U/P |
| 21.044 | 0.1587 | 0.0000 | 91.164 | 0.82263 | 0.00000 | 100250.3 | 48917.6 | 0.0 | U/P |
| 21.067 | 0.1534 | 0.0000 | 91.160 | 0.82209 | 0.00000 | 100262.8 | 48983.4 | 0.0 | U/P |
| 21.089 | 0.1459 | 0.0000 | 91.156 | 0.82154 | 0.00000 | 100274.7 | 49049.2 | 0.0 | U/P |
| 21.111 | 0.1378 | 0.0000 | 91.153 | 0.82099 | 0.00000 | 100286.1 | 49114.9 | 0.0 | U/P |
| 21.133 | 0.1302 | 0.0000 | 91.149 | 0.82043 | 0.00000 | 100296.8 | 49180.5 | 0.0 | U/P |
| 21.156 | 0.1239 | 0.0000 | 91.145 | 0.81986 | 0.00000 | 100307.0 | 49246.2 | 0.0 | U/P |
| 21.178 | 0.1194 | 0.0000 | 91.141 | 0.81929 | 0.00000 | 100316.7 | 49311.7 | 0.0 | U/P |
| 21.200 | 0.1162 | 0.0000 | 91.137 | 0.81871 | 0.00000 | 100326.1 | 49377.2 | 0.0 | U/P |
| 21.222 | 0.1140 | 0.0000 | 91.133 | 0.81813 | 0.00000 | 100335.3 | 49442.7 | 0.0 | U/P |
| 21.244 | 0.1123 | 0.0000 | 91.129 | 0.81755 | 0.00000 | 100344.4 | 49508.1 | 0.0 | U/P |
| 21.267 | 0.1111 | 0.0000 | 91.125 | 0.81697 | 0.00000 | 100353.3 | 49573.5 | 0.0 | U/P |
| 21.289 | 0.1102 | 0.0000 | 91.121 | 0.81639 | 0.00000 | 100362.2 | 49638.9 | 0.0 | U/P |
| 21.311 | 0.1096 | 0.0000 | 91.117 | 0.81580 | 0.00000 | 100371.0 | 49704.1 | 0.0 | U/P |
| 21.333 | 0.1092 | 0.0000 | 91.113 | 0.81522 | 0.00000 | 100379.7 | 49769.4 | 0.0 | U/P |
| 21.356 | 0.1088 | 0.0000 | 91.109 | 0.81464 | 0.00000 | 100388.4 | 49834.6 | 0.0 | U/P |

PONDS Version 3.2.0207

Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: POND 6100 YR / 24 HR

| Elapsed Time (hours) | Inflow <br> Rate <br> ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume (ft ${ }^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 21.378 | 0.1086 | 0.0000 | 91.105 | 0.81405 | 0.00000 | 100397.1 | 49899.7 | 0.0 | U/P |
| 21.400 | 0.1084 | 0.0000 | 91.101 | 0.81347 | 0.00000 | 100405.8 | 49964.8 | 0.0 | U/P |
| 21.422 | 0.1083 | 0.0000 | 91.097 | 0.81288 | 0.00000 | 100414.5 | 50029.9 | 0.0 | U/P |
| 21.444 | 0.1082 | 0.0000 | 91.093 | 0.81230 | 0.00000 | 100423.1 | 50094.9 | 0.0 | U/P |
| 21.467 | 0.1082 | 0.0000 | 91.089 | 0.81171 | 0.00000 | 100431.8 | 50159.8 | 0.0 | U/P |
| 21.489 | 0.1081 | 0.0000 | 91.085 | 0.81113 | 0.00000 | 100440.4 | 50224.8 | 0.0 | U/P |
| 21.511 | 0.1086 | 0.0000 | 91.081 | 0.81055 | 0.00000 | 100449.1 | 50289.6 | 0.0 | U/P |
| 21.533 | 0.1113 | 0.0000 | 91.077 | 0.80996 | 0.00000 | 100457.9 | 50354.5 | 0.0 | U/P |
| 21.556 | 0.1181 | 0.0000 | 91.073 | 0.80938 | 0.00000 | 100467.1 | 50419.2 | 0.0 | U/P |
| 21.578 | 0.1302 | 0.0000 | 91.069 | 0.80881 | 0.00000 | 100477.0 | 50484.0 | 0.0 | U/P |
| 21.600 | 0.1456 | 0.0000 | 91.065 | 0.80824 | 0.00000 | 100488.0 | 50548.6 | 0.0 | U/P |
| 21.622 | 0.1615 | 0.0000 | 91.061 | 0.80769 | 0.00000 | 100500.3 | 50613.3 | 0.0 | U/P |
| 21.644 | 0.1757 | 0.0000 | 91.058 | 0.80715 | 0.00000 | 100513.8 | 50677.9 | 0.0 | U/P |
| 21.667 | 0.1872 | 0.0000 | 91.054 | 0.80662 | 0.00000 | 100528.3 | 50742.4 | 0.0 | U/P |
| 21.689 | 0.1954 | 0.0000 | 91.050 | 0.80610 | 0.00000 | 100543.6 | 50806.9 | 0.0 | U/P |
| 21.711 | 0.2012 | 0.0000 | 91.047 | 0.80559 | 0.00000 | 100559.5 | 50871.4 | 0.0 | U/P |
| 21.733 | 0.2053 | 0.0000 | 91.044 | 0.80508 | 0.00000 | 100575.8 | 50935.8 | 0.0 | U/P |
| 21.756 | 0.2084 | 0.0000 | 91.040 | 0.80458 | 0.00000 | 100592.3 | 51000.2 | 0.0 | U/P |
| 21.778 | 0.2105 | 0.0000 | 91.037 | 0.80408 | 0.00000 | 100609.1 | 51064.6 | 0.0 | U/P |
| 21.800 | 0.2121 | 0.0000 | 91.033 | 0.80358 | 0.00000 | 100626.0 | 51128.9 | 0.0 | U/P |
| 21.822 | 0.2132 | 0.0000 | 91.030 | 0.80309 | 0.00000 | 100643.0 | 51193.1 | 0.0 | U/P |
| 21.844 | 0.2141 | 0.0000 | 91.026 | 0.80259 | 0.00000 | 100660.1 | 51257.4 | 0.0 | U/P |
| 21.867 | 0.2146 | 0.0000 | 91.023 | 0.80210 | 0.00000 | 100677.2 | 51321.5 | 0.0 | U/P |
| 21.889 | 0.2151 | 0.0000 | 91.020 | 0.80160 | 0.00000 | 100694.4 | 51385.7 | 0.0 | U/P |
| 21.911 | 0.2154 | 0.0000 | 91.016 | 0.80111 | 0.00000 | 100711.6 | 51449.8 | 0.0 | U/P |
| 21.933 | 0.2156 | 0.0000 | 91.013 | 0.80062 | 0.00000 | 100728.9 | 51513.9 | 0.0 | U/P |
| 21.956 | 0.2158 | 0.0000 | 91.010 | 0.80013 | 0.00000 | 100746.1 | 51577.9 | 0.0 | U/P |
| 21.978 | 0.2159 | 0.0000 | 91.006 | 0.79963 | 0.00000 | 100763.4 | 51641.9 | 0.0 | U/P |
| 22.000 | 0.2160 | 0.0000 | 91.003 | 0.79914 | 0.00000 | 100780.7 | 51705.8 | 0.0 | U/P |
| 22.022 | 0.2150 | 0.0000 | 90.999 | 0.79866 | 0.00000 | 100797.9 | 51769.7 | 0.0 | U/P |
| 22.044 | 0.2112 | 0.0000 | 90.996 | 0.79821 | 0.00000 | 100815.0 | 51833.6 | 0.0 | U/P |
| 22.067 | 0.2026 | 0.0000 | 90.993 | 0.79779 | 0.00000 | 100831.5 | 51897.5 | 0.0 | U/P |
| 22.089 | 0.1891 | 0.0000 | 90.989 | 0.79736 | 0.00000 | 100847.2 | 51961.3 | 0.0 | U/P |
| 22.111 | 0.1733 | 0.0000 | 90.985 | 0.79692 | 0.00000 | 100861.7 | 52025.0 | 0.0 | U/P |
| 22.133 | 0.1578 | 0.0000 | 90.982 | 0.79647 | 0.00000 | 100874.9 | 52088.8 | 0.0 | U/P |
| 22.156 | 0.1443 | 0.0000 | 90.978 | 0.79602 | 0.00000 | 100887.0 | 52152.5 | 0.0 | U/P |
| 22.178 | 0.1340 | 0.0000 | 90.974 | 0.79555 | 0.00000 | 100898.1 | 52216.1 | 0.0 | U/P |
| 22.200 | 0.1267 | 0.0000 | 90.970 | 0.79507 | 0.00000 | 100908.6 | 52279.8 | 0.0 | U/P |
| 22.222 | 0.1215 | 0.0000 | 90.966 | 0.79459 | 0.00000 | 100918.5 | 52343.3 | 0.0 | U/P |
| 22.244 | 0.1177 | 0.0000 | 90.963 | 0.79411 | 0.00000 | 100928.1 | 52406.9 | 0.0 | U/P |
| 22.267 | 0.1150 | 0.0000 | 90.959 | 0.79362 | 0.00000 | 100937.4 | 52470.4 | 0.0 | U/P |
| 22.289 | 0.1130 | 0.0000 | 90.955 | 0.79313 | 0.00000 | 100946.5 | 52533.9 | 0.0 | U/P |
| 22.311 | 0.1116 | 0.0000 | 90.951 | 0.79264 | 0.00000 | 100955.5 | 52597.3 | 0.0 | U/P |
| 22.333 | 0.1106 | 0.0000 | 90.947 | 0.79215 | 0.00000 | 100964.4 | 52660.7 | 0.0 | U/P |
| 22.356 | 0.1099 | 0.0000 | 90.943 | 0.79166 | 0.00000 | 100973.2 | 52724.1 | 0.0 | U/P |
| 22.378 | 0.1093 | 0.0000 | 90.939 | 0.79117 | 0.00000 | 100982.0 | 52787.4 | 0.0 | U/P |
| 22.400 | 0.1089 | 0.0000 | 90.935 | 0.79068 | 0.00000 | 100990.7 | 52850.6 | 0.0 | U/P |
| 22.422 | 0.1087 | 0.0000 | 90.931 | 0.79018 | 0.00000 | 100999.4 | 52913.9 | 0.0 | U/P |
| 22.444 | 0.1085 | 0.0000 | 90.927 | 0.78969 | 0.00000 | 101008.1 | 52977.1 | 0.0 | U/P |
| 22.467 | 0.1083 | 0.0000 | 90.923 | 0.78920 | 0.00000 | 101016.8 | 53040.2 | 0.0 | U/P |
| 22.489 | 0.1082 | 0.0000 | 90.919 | 0.78870 | 0.00000 | 101025.4 | 53103.3 | 0.0 | U/P |
| 22.511 | 0.1081 | 0.0000 | 90.915 | 0.78821 | 0.00000 | 101034.1 | 53166.4 | 0.0 | U/P |
| 22.533 | 0.1090 | 0.0000 | 90.911 | 0.78772 | 0.00000 | 101042.7 | 53229.5 | 0.0 | U/P |
| 22.556 | 0.1118 | 0.0000 | 90.907 | 0.78723 | 0.00000 | 101051.6 | 53292.5 | 0.0 | U/P |
| 22.578 | 0.1178 | 0.0000 | 90.903 | 0.78674 | 0.00000 | 101060.8 | 53355.4 | 0.0 | U/P |
| 22.600 | 0.1263 | 0.0000 | 90.899 | 0.78625 | 0.00000 | 101070.5 | 53418.3 | 0.0 | U/P |
| 22.622 | 0.1356 | 0.0000 | 90.895 | 0.78577 | 0.00000 | 101081.0 | 53481.2 | 0.0 | U/P |
| 22.644 | 0.1443 | 0.0000 | 90.891 | 0.78530 | 0.00000 | 101092.2 | 53544.1 | 0.0 | U/P |
| 22.667 | 0.1516 | 0.0000 | 90.887 | 0.78483 | 0.00000 | 101104.0 | 53606.9 | 0.0 | U/P |
| 22.689 | 0.1569 | 0.0000 | 90.884 | 0.78437 | 0.00000 | 101116.4 | 53669.6 | 0.0 | U/P |
| 22.711 | 0.1606 | 0.0000 | 90.880 | 0.78391 | 0.00000 | 101129.1 | 53732.4 | 0.0 | U/P |
| 22.733 | 0.1633 | 0.0000 | 90.876 | 0.78346 | 0.00000 | 101142.0 | 53795.1 | 0.0 | U/P |
| 22.756 | 0.1652 | 0.0000 | 90.873 | 0.78300 | 0.00000 | 101155.2 | 53857.7 | 0.0 | U/P |
| 22.778 | 0.1666 | 0.0000 | 90.869 | 0.78255 | 0.00000 | 101168.4 | 53920.3 | 0.0 | U/P |
| 22.800 | 0.1676 | 0.0000 | 90.865 | 0.78210 | 0.00000 | 101181.8 | 53982.9 | 0.0 | U/P |
| 22.822 | 0.1683 | 0.0000 | 90.862 | 0.78165 | 0.00000 | 101195.3 | 54045.5 | 0.0 | U/P |
| 22.844 | 0.1689 | 0.0000 | 90.858 | 0.78121 | 0.00000 | 101208.7 | 54108.0 | 0.0 | U/P |
| 22.867 | 0.1692 | 0.0000 | 90.854 | 0.78076 | 0.00000 | 101222.3 | 54170.5 | 0.0 | U/P |
| 22.889 | 0.1695 | 0.0000 | 90.851 | 0.78031 | 0.00000 | 101235.8 | 54232.9 | 0.0 | U/P |
| 22.911 | 0.1697 | 0.0000 | 90.847 | 0.77986 | 0.00000 | 101249.4 | 54295.3 | 0.0 | U/P |
| 22.933 | 0.1699 | 0.0000 | 90.844 | 0.77942 | 0.00000 | 101263.0 | 54357.7 | 0.0 | U/P |
| 22.956 | 0.1700 | 0.0000 | 90.840 | 0.77897 | 0.00000 | 101276.6 | 54420.0 | 0.0 | U/P |
| 22.978 | 0.1700 | 0.0000 | 90.836 | 0.77852 | 0.00000 | 101290.2 | 54482.3 | 0.0 | U/P |
| 23.000 | 0.1695 | 0.0000 | 90.833 | 0.77807 | 0.00000 | 101303.7 | 54544.6 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: POND 6100 YR / 24 HR

| Elapsed Time (hours) | inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{Ht}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge volume ( $\mathrm{t}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 23.022 | 0.1665 | 0.0000 | 90.829 | 0.77763 | 0.00000 | 101317.2 | 54606.8 | 0.0 | U/P |
| 23.044 | 0.1589 | 0.0000 | 90.825 | 0.77718 | 0.00000 | 101330.2 | 54669.0 | 0.0 | U/P |
| 23.067 | 0.1457 | 0.0000 | 90.822 | 0.77672 | 0.00000 | 101342.4 | 54731.2 | 0.0 | U/P |
| 23.089 | 0.1291 | 0.0000 | 90.818 | 0.77626 | 0.00000 | 101353.4 | 54793.3 | 0.0 | U/P |
| 23.111 | 0.1121 | 0.0000 | 90.814 | 0.77578 | 0.00000 | 101363.0 | 54855.4 | 0.0 | U/P |
| 23.133 | 0.0969 | 0.0000 | 90.810 | 0.77529 | 0.00000 | 101371.4 | 54917.4 | 0.0 | U/P |
| 23.156 | 0.0847 | 0.0000 | 90.806 | 0.77479 | 0.00000 | 101378.6 | 54979.4 | 0.0 | U/P |
| 23.178 | 0.0760 | 0.0000 | 90.802 | 0.77428 | 0.00000 | 101385.1 | 55041.4 | 0.0 | U/P |
| 23.200 | 0.0699 | 0.0000 | 90.798 | 0.77377 | 0.00000 | 101390.9 | 55103.3 | 0.0 | U/P |
| 23.222 | 0.0655 | 0.0000 | 90.793 | 0.77325 | 0.00000 | 101396.3 | 55165.2 | 0.0 | U/P |
| 23.244 | 0.0622 | 0.0000 | 90.789 | 0.77272 | 0.00000 | 101401.4 | 55227.0 | 0.0 | U/P |
| 23.267 | 0.0599 | 0.0000 | 90.785 | 0.77220 | 0.00000 | 101406.3 | 55288.8 | 0.0 | U/P |
| 23.289 | 0.0583 | 0.0000 | 90.781 | 0.77167 | 0.00000 | 101411.0 | 55350.6 | 0.0 | U/P |
| 23.311 | 0.0571 | 0.0000 | 90.776 | 0.77114 | 0.00000 | 101415.6 | 55412.3 | 0.0 | U/P |
| 23.333 | 0.0562 | 0.0000 | 90.772 | 0.77061 | 0.00000 | 101420.2 | 55473.9 | 0.0 | U/P |
| 23.356 | 0.0556 | 0.0000 | 90.768 | 0.77008 | 0.00000 | 101424.6 | 55535.6 | 0.0 | U/P |
| 23.378 | 0.0551 | 0.0000 | 90.763 | 0.76955 | 0.00000 | 101429.1 | 55597.2 | 0.0 | U/P |
| 23.400 | 0.0548 | 0.0000 | 90.759 | 0.76902 | 0.00000 | 101433.5 | 55658.7 | 0.0 | U/P |
| 23.422 | 0.0545 | 0.0000 | 90.755 | 0.76849 | 0.00000 | 101437.8 | 55720.2 | 0.0 | U/P |
| 23.444 | 0.0544 | 0.0000 | 90.750 | 0.76796 | 0.00000 | 101442.2 | 55781.7 | 0.0 | U/P |
| 23.467 | 0.0542 | 0.0000 | 90.746 | 0.76743 | 0.00000 | 101446.5 | 55843.1 | 0.0 | U/P |
| 23.489 | 0.0541 | 0.0000 | 90.742 | 0.76690 | 0.00000 | 101450.9 | 55904.5 | 0.0 | U/P |
| 23.511 | 0.0541 | 0.0000 | 90.738 | 0.76637 | 0.00000 | 101455.2 | 55965.8 | 0.0 | U/P |
| 23.533 | 0.0541 | 0.0000 | 90.733 | 0.76584 | 0.00000 | 101459.5 | 56027.1 | 0.0 | U/P |
| 23.556 | 0.0541 | 0.0000 | 90.729 | 0.76530 | 0.00000 | 101463.9 | 56088.3 | 0.0 | U/P |
| 23.578 | 0.0540 | 0.0000 | 90.725 | 0.76477 | 0.00000 | 101468.2 | 56149.5 | 0.0 | U/P |
| 23.600 | 0.0540 | 0.0000 | 90.720 | 0.76424 | 0.00000 | 101472.5 | 56210.7 | 0.0 | U/P |
| 23.622 | 0.0540 | 0.0000 | 90.716 | 0.76371 | 0.00000 | 101476.8 | 56271.8 | 0.0 | U/P |
| 23.644 | 0.0540 | 0.0000 | 90.712 | 0.76318 | 0.00000 | 101481.1 | 56332.9 | 0.0 | U/P |
| 23.667 | 0.0540 | 0.0000 | 90.707 | 0.76265 | 0.00000 | 101485.5 | 56393.9 | 0.0 | U/P |
| 23.689 | 0.0540 | 0.0000 | 90.703 | 0.76212 | 0.00000 | 101489.8 | 56454.9 | 0.0 | U/P |
| 23.711 | 0.0540 | 0.0000 | 90.699 | 0.76159 | 0.00000 | 101494.1 | 56515.8 | 0.0 | U/P |
| 23.733 | 0.0540 | 0.0000 | 90.695 | 0.76105 | 0.00000 | 101498.4 | 56576.7 | 0.0 | U/P |
| 23.756 | 0.0540 | 0.0000 | 90.690 | 0.76052 | 0.00000 | 101502.8 | 56637.6 | 0.0 | U/P |
| 23.778 | 0.0540 | 0.0000 | 90.686 | 0.75999 | 0.00000 | 101507.1 | 56698.4 | 0.0 | U/P |
| 23.800 | 0.0540 | 0.0000 | 90.682 | 0.75946 | 0.00000 | 101511.4 | 56759.2 | 0.0 | U/P |
| 23.822 | 0.0540 | 0.0000 | 90.677 | 0.75893 | 0.00000 | 101515.7 | 56819.9 | 0.0 | U/P |
| 23.844 | 0.0540 | 0.0000 | 90.673 | 0.75840 | 0.00000 | 101520.0 | 56880.6 | 0.0 | U/P |
| 23.867 | 0.0540 | 0.0000 | 90.669 | 0.75787 | 0.00000 | 101524.4 | 56941.3 | 0.0 | U/P |
| 23.889 | 0.0540 | 0.0000 | 90.664 | 0.75734 | 0.00000 | 101528.7 | 57001.9 | 0.0 | U/P |
| 23.911 | 0.0540 | 0.0000 | 90.660 | 0.75681 | 0.00000 | 101533.0 | 57062.5 | 0.0 | U/P |
| 23.933 | 0.0540 | 0.0000 | 90.656 | 0.75628 | 0.00000 | 101537.3 | 57123.0 | 0.0 | U/P |
| 23.956 | 0.0540 | 0.0000 | 90.652 | 0.75575 | 0.00000 | 101541.6 | 57183.5 | 0.0 | U/P |
| 23.978 | 0.0540 | 0.0000 | 90.647 | 0.75521 | 0.00000 | 101546.0 | 57243.9 | 0.0 | U/P |
| 24.000 | 0.0540 | 0.0000 | 90.643 | 0.75468 | 0.00000 | 101550.3 | 57304.3 | 0.0 | U/P |
| 24.022 | 0.0532 | 0.0000 | 90.639 | 0.75415 | 0.00000 | 101554.6 | 57364.7 | 0.0 | U/P |
| 24.044 | 0.0507 | 0.0000 | 90.634 | 0.75362 | 0.00000 | 101558.7 | 57425.0 | 0.0 | U/P |
| 24.067 | 0.0453 | 0.0000 | 90.630 | 0.75309 | 0.00000 | 101562.6 | 57485.2 | 0.0 | U/P |
| 24.089 | 0.0378 | 0.0000 | 90.626 | 0.75255 | 0.00000 | 101565.9 | 57545.5 | 0.0 | U/P |
| 24.111 | 0.0297 | 0.0000 | 90.621 | 0.75201 | 0.00000 | 101568.6 | 57605.6 | 0.0 | U/P |
| 24.133 | 0.0222 | 0.0000 | 90.617 | 0.75146 | 0.00000 | 101570.7 | 57665.8 | 0.0 | U/P |
| 24.156 | 0.0159 | 0.0000 | 90.612 | 0.75090 | 0.00000 | 101572.2 | 57725.9 | 0.0 | U/P |
| 24.178 | 0.0113 | 0.0000 | 90.608 | 0.75034 | 0.00000 | 101573.3 | 57785.9 | 0.0 | U/P |
| 24.200 | 0.0082 | 0.0000 | 90.603 | 0.74978 | 0.00000 | 101574.0 | 57845.9 | 0.0 | U/P |
| 24.222 | 0.0059 | 0.0000 | 90.598 | 0.74922 | 0.00000 | 101574.6 | 57905.9 | 0.0 | U/P |
| 24.244 | 0.0042 | 0.0000 | 90.594 | 0.74865 | 0.00000 | 101575.0 | 57965.8 | 0.0 | U/P |
| 24.267 | 0.0030 | 0.0000 | 90.589 | 0.74808 | 0.00000 | 101575.3 | 58025.7 | 0.0 | U/P |
| 24.289 | 0.0022 | 0.0000 | 90.586 | 0.74751 | 0.00000 | 101575.5 | 58085.5 | 0.0 | U/P |
| 24.311 | 0.0016 | 0.0000 | 90.580 | 0.74694 | 0.00000 | 101575.7 | 58145.3 | 0.0 | U/P |
| 24.333 | 0.0011 | 0.0000 | 90.575 | 0.74637 | 0.00000 | 101575.8 | 58205.0 | 0.0 | U/P |
| 24.356 | 0.0008 | 0.0000 | 90.571 | 0.74580 | 0.00000 | 101575.8 | 58264.7 | 0.0 | U/P |
| 24.378 | 0.0005 | 0.0000 | 90.566 | 0.74523 | 0.00000 | 101575.9 | 58324.3 | 0.0 | U/P |
| 24.400 | 0.0004 | 0.0000 | 90.562 | 0.74466 | 0.00000 | 101575.9 | 58383.9 | 0.0 | U/P |
| 24.422 | 0.0003 | 0.0000 | 90.557 | 0.74409 | 0.00000 | 101576.0 | 58443.5 | 0.0 | U/P |
| 24.444 | 0.0002 | 0.0000 | 90.552 | 0.74351 | 0.00000 | 101576.0 | 58503.0 | 0.0 | U/P |
| 24.467 | 0.0001 | 0.0000 | 90.548 | 0.74294 | 0.00000 | 101576.0 | 58562.4 | 0.0 | U/P |
| 24.489 | 0.0000 | 0.0000 | 90.543 | 0.74237 | 0.00000 | 101576.0 | 58621.9 | 0.0 | U/P |
| 24.511 | 0.0000 | 0.0000 | 90.538 | 0.74180 | 0.00000 | 101576.0 | 58681.2 | 0.0 | U/P |
| 24.533 | 0.0000 | 0.0000 | 90.534 | 0.74123 | 0.00000 | 101576.0 | 58740.5 | 0.0 | U/P |
| 24.556 | 0.0000 | 0.0000 | 90.529 | 0.74066 | 0.00000 | 101576.0 | 58799.8 | 0.0 | U/P |
| 24.578 | 0.0000 | 0.0000 | 90.524 | 0.74014 | 0.00000 | 101576.0 | 58859.0 | 0.0 | U/P |
| 48.578 | 0.0000 | 0.0000 | 76.752 | 0.24720 | 0.00000 | 101576.0 | 101576.0 | 0.0 | U/S |
| 72.578 | 0.0000 | 0.0000 | 74.304 | 0.00000 | 0.00000 | 101576.0 | 101576.0 | 0.0 | S |
| 96.578 | 0.0000 | 0.0000 | 73.137 | 0.00000 | 0.00000 | 101576.0 | 101576.0 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: POND 6100 YR/24 HR

| Elapsed Time (hours) | Inflow Rate (f13/s) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overfiow Discharge ( $\mathrm{tt}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume (ft ${ }^{3}$ ) | Cumulative Infiltration Volume $\left\{\mathrm{t}^{3}\right.$ ) | Cumulative Discharge Volume $\left(\mathrm{ff}^{3}\right)$ | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 120.578 | 0.0000 | 0.0000 | 72.414 | 0.00000 | 0.00000 | 101576.0 | 101576.0 | 0.0 | S |
| 144.578 | 0.0000 | 0.0000 | 71.908 | 0.00000 | 0.00000 | 101576.0 | 101576.0 | 0.0 | S |
| 192.578 | 0.0000 | 0.0000 | 71.270 | 0.00000 | 0.00000 | 101576.0 | 101578.0 | 0.0 | S |
| 288.578 | 0.0000 | 0.0000 | 70.547 | 0.00000 | 0.00000 | 101576.0 | 101576.0 | 0.0 | S |
| 360.578 | 0.0000 | 0.0000 | 70.166 | ..... | .... | 101576.0 | 101576.0 | 0.0 | N.A. |

# PONDS Routing and Recovery Analysis 

## Buildout Results

Pond 7<br>100-year / 24-Hour Storm

Input Report Summary of Results Detailed Results

(Pond dry at Hour 96)

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.

## Project Data

| Project Name: | Vista Landfill Redesign |
| :--- | :--- |
| Simulation Description: | Pond 7 <br> 100 Year / 24 Hour Routing and Recovery Analysis w/ infiltration <br> Project Number: |
| $10-2141$ |  |
| Engineer: | cms |
| Supervising Engineer: | cms |
| Date: | $01-06-2011$ |

## Aquifer Data

Base Of Aquifer Elevation, $[\mathrm{B}]$ ( ft datum): ..... 84.00
Water Table Elevation, [WT] (ft datum): ..... 85.00
Horizontal Saturated Hydraulic Conductivity, [Kh] (ft/day): ..... 15.00
Fillable Porosity, [n] (\%): ..... 20.00
Unsaturated Vertical Infiltration Rate, [lv] (ft/day): ..... 5.0
Maximum Area For Unsaturated Infiltration, [Av] (ft²): ..... 90155.0

## Geometry Data

Equivalent Pond Length, [L] (ft): ..... 800.0
Equivalent Pond Width, [W] (ft): ..... 50.0
Ground water mound is expected to intersect the pond bottom

## Stage vs Area Data

| Stage <br> $(\mathrm{ft}$ datum) | Area <br> $\left(\mathrm{ff}^{2}\right)$ |
| ---: | ---: |
| 102.00 | 32159.0 |
| 103.00 | 37728.0 |
| 104.00 | 43348.0 |
| 105.00 | 49919.0 |
| 106.00 | 54742.0 |
| 107.00 | 60516.0 |
| 108.00 | 66341.0 |
| 109.00 | 72218.0 |
| 110.00 | 78146.0 |
| 111.00 | 84125.0 |
| 112.00 | 90155.0 |

## Discharge Structures

Discharge Structure \#1 is inactive

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.

## Discharge Structures (cont'd.)

Discharge Structure \#2 is inactive
Discharge Structure \#3 is inactive

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

## Scenario Input Data

Scenario 1 :: Pond 7 - 100 Year 124 Hour Routing
Hydrograph Type: Inline SCS
Modflow Routing Routed with infiltration
Repetitions: ..... 1
Basin Area (acres) ..... 10.550
Time Of Concentration (minutes) ..... 10.0
DCIA (\%) ..... 0.0
Curve Number ..... 98
Design Rainfall Depth (inches) ..... 10.6
Design Rainfall Duration (hours) ..... 24.0
Shape Factor ..... UHG 484
Rainfall Distribution ..... Orange County 100 Year - 24 Hour
Initial ground water level (ft datum) default, 85.00
Time After
Storm Event(days)3.000
11.00014.000

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Summary of Results :: Scenario 1 :: Pond 7 - 100 Year $/ 24$ Hour Routing

|  | Time (hours) | Stage (ft datum) | Rate $\left(\mathrm{ft}^{3} / \mathrm{s}\right)$ | Volume $\left(\mathrm{ft}^{3}\right)$ |
| :---: | :---: | :---: | :---: | :---: |
| Stage 0.000 |  |  |  |  |
| Minimum | 0.000 | 85.00 |  |  |
| Maximum | 13.200 | 107.35 |  |  |
| Inflow |  |  |  |  |
| Rate - Maximum - Positive | 9.000 |  | 23.2029 |  |
| Rate - Maximum - Negative | None |  | None |  |
| Cumulative Volume - Maximum Positive | 24.489 |  |  | 396898.8 |
| Cumulative Volume - Maximum Negative | None |  |  | None |
| Cumulative Volume - End of Simulation | 360.578 |  |  | 396898.8 |
| Infiltration |  |  |  |  |
| Rate - Maximum - Positive | 13.222 |  | 3.6202 |  |
| Rate - Maximum - Negative | None |  | None |  |
| Cumulative Volume - Maximum Positive | 96.578 |  |  | 396898.8 |
| Cumulative Volume - Maximum Negative | None |  |  | None |
| Cumulative Volume - End of Simulation | 360.578 |  |  | 396898.8 |
| Combined Discharge None |  |  |  |  |
| Rate - Maximum - Positive | None |  | None |  |
| Rate - Maximum - Negative | None |  | None |  |
| Cumulative Volume - Maximum Positive | None |  |  | None |
| Cumulative Volume - Maximum Negative | None |  |  | None |
| Cumulative Volume - End of Simulation | 360.578 |  |  | 0.0 |
| Discharge Structure 1 - inactive |  |  |  |  |
| Rate - Maximum - Positive | disabled |  | disabled |  |
| Rate - Maximum - Negative | disabled |  | disabled |  |
| Cumulative Volume - Maximum Positive | disabled |  |  |  |
| Cumulative Volume - Maximum Negative | disabled |  |  | disabled |
| Cumulative Volume - End of Simulation | disabled |  |  | disabled |
| Discharge Structure 2 - inactive disabled disabled |  |  |  |  |
| Rate - Maximum - Positive | disabled |  | disabled |  |
| Rate - Maximum - Negative | disabled |  | disabled |  |
| Cumulative Volume - Maximum Positive | disabled |  |  | disabled |
| Cumulative Volume - Maximum Negative | disabled |  |  | disabled |
| Cumulative Volume - End of Simulation | disabled |  |  | disabled |
| Discharge Structure 3 - inactive disabled |  |  |  |  |
|  |  |  |  |  |
| Rate - Maximum - Negative | disabled |  | disabled |  |
| Cumulative Volume - Maximum Positive | disabled |  |  | disabled |
| Cumulative Volume - Maximum Negative | disabled |  |  | disabled |
| Cumulative Volume - End of Simulation | disabled |  |  | disabled |
| Pollution Abatement: |  |  |  |  |
| 36 Hour Stage and Infiltration Volume | N.A. | N.A. |  | N.A. |
| 72 Hour Stage and Infiltration Volume | N.A. | N.A. |  | N.A. |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results :: Scenario 1 :: Pond 7 -100 Year/24 Hour Routing

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Overlow Discharge ( $\mathrm{t}^{3 / 5}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infilltration Volume ( $\mathrm{t}^{3}$ ) | Cumulative Discharge Vofume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 0.000 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | N.A. |
| 0.022 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.044 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.067 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.089 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.111 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.133 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.156 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.178 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.200 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.222 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.244 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.267 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.289 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.311 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.333 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.356 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.378 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.400 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.422 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.444 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.467 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.489 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.511 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.533 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.556 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.578 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.600 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.622 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.644 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.667 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.689 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.711 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.733 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.756 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.778 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.800 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.822 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.844 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.867 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.889 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.911 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.933 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.956 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.978 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.000 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.022 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.044 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.067 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.089 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.111 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.133 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.156 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.178 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.200 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.222 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.244 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.267 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.289 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.311 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.333 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.356 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.378 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.400 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.422 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.444 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.467 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.489 | 0.0000 | 0.0000 | 85.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.511 | 0.0000 | 0.0000 | 85.000 | 0.00001 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.533 | 0.0000 | 0.0000 | 85.000 | 0.00010 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.556 | 0.0003 | 0.0000 | 85.000 | 0.00054 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.578 | 0.0014 | 0.0000 | 85.000 | 0.00183 | 0.00000 | 0.1 | 0.1 | 0.0 | U |
| 1.600 | 0.0041 | 0.0000 | 85.000 | 0.00460 | 0.00000 | 0.3 | 0.3 | 0.0 | U |
| 1.622 | 0.0088 | 0.0000 | 85.000 | 0.00936 | 0.00000 | 0.8 | 0.8 | 0.0 | U |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 7 -100 Year / 24 Hour Routing

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Overfiow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1.644 | 0.0157 | 0.0000 | 85.000 | 0.01624 | 0.00000 | 1.8 | 1.8 | 0.0 | U |
| 1.667 | 0.0247 | 0.0000 | 85.000 | 0.02508 | 0.00000 | 3.4 | 3.4 | 0.0 | U |
| 1.689 | 0.0352 | 0.0000 | 85.000 | 0.03548 | 0.00000 | 5.8 | 5.8 | 0.0 | U |
| 1.711 | 0.0468 | 0.0000 | 85.001 | 0.04697 | 0.00000 | 9.1 | 9.1 | 0.0 | U |
| 1.733 | 0.0590 | 0.0000 | 85.001 | 0.05913 | 0.00000 | 13.3 | 13.3 | 0.0 | U |
| 1.756 | 0.0716 | 0.0000 | 85.001 | 0.07167 | 0.00000 | 18.6 | 18.6 | 0.0 | U |
| 1.778 | 0.0844 | 0.0000 | 85.001 | 0.08439 | 0.00000 | 24.8 | 24.8 | 0.0 | U |
| 1.800 | 0.0972 | 0.0000 | 85.002 | 0.09715 | 0.00000 | 32.1 | 32.1 | 0.0 | U |
| 1.822 | 0.1099 | 0.0000 | 85.002 | 0.10986 | 0.00000 | 40.3 | 40.3 | 0.0 | U |
| 1.844 | 0.1225 | 0.0000 | 85.003 | 0.12243 | 0.00000 | 49.6 | 49.6 | 0.0 | U |
| 1.867 | 0.1349 | 0.0000 | 85.003 | 0.13482 | 0.00000 | 59.9 | 59.9 | 0.0 | U |
| 1.889 | 0.1471 | 0.0000 | 85.004 | 0.14700 | 0.00000 | 71.2 | 71.2 | 0.0 | U |
| 1.911 | 0.1590 | 0.0000 | 85.005 | 0.15896 | 0.00000 | 83.5 | 83.5 | 0.0 | U |
| 1.933 | 0.1707 | 0.0000 | 85.005 | 0.17068 | 0.00000 | 96.6 | 96.6 | 0.0 | U |
| 1.956 | 0.1822 | 0.0000 | 85.006 | 0.18215 | 0.00000 | 110.8 | 110.8 | 0.0 | U |
| 1.978 | 0.1934 | 0.0000 | 85.007 | 0.19353 | 0.00000 | 125.8 | 125.8 | 0.0 | U |
| 2.000 | 0.2050 | 0.0000 | 85.008 | 0.20559 | 0.00000 | 141.7 | 141.7 | 0.0 | U |
| 2.022 | 0.2189 | 0.0000 | 85.009 | 0.22001 | 0.00000 | 158.7 | 158.7 | 0.0 | U |
| 2.044 | 0.2373 | 0.0000 | 85.010 | 0.23879 | 0.00000 | 176.9 | 176.9 | 0.0 | U |
| 2.067 | 0.2617 | 0.0000 | 85.011 | 0.26283 | 0.00000 | 196.9 | 196.9 | 0.0 | U |
| 2.089 | 0.2905 | 0.0000 | 85.012 | 0.29089 | 0.00000 | 219.0 | 219.0 | 0.0 | U |
| 2.111 | 0.3207 | 0.0000 | 85.014 | 0.32057 | 0.00000 | 243.4 | 243.4 | 0.0 | U |
| 2.133 | 0.3503 | 0.0000 | 85.015 | 0.34970 | 0.00000 | 270.3 | 270.3 | 0.0 | U |
| 2.156 | 0.3776 | 0.0000 | 85.017 | 0.37680 | 0.00000 | 299.4 | 299.4 | 0.0 | U |
| 2.178 | 0.4018 | 0.0000 | 85.018 | 0.40124 | 0.00000 | 330.6 | 330.6 | 0.0 | U |
| 2.200 | 0.4237 | 0.0000 | 85.020 | 0.42333 | 0.00000 | 363.6 | 363.6 | 0.0 | U |
| 2.222 | 0.4440 | 0.0000 | 85.022 | 0.44366 | 0.00000 | 398.3 | 398.3 | 0.0 | U |
| 2.244 | 0.4629 | 0.0000 | 85.024 | 0.46262 | 0.00000 | 434.6 | 434.6 | 0.0 | U |
| 2.267 | 0.4807 | 0.0000 | 85.026 | 0.48046 | 0.00000 | 472.3 | 472.3 | 0.0 | U |
| 2.289 | 0.4976 | 0.0000 | 85.028 | 0.49736 | 0.00000 | 511.4 | 511.4 | 0.0 | U |
| 2.311 | 0.5136 | 0.0000 | 85.031 | 0.51348 | 0.00000 | 551.9 | 551.9 | 0.0 | U |
| 2.333 | 0.5290 | 0.0000 | 85.033 | 0.52890 | 0.00000 | 593.6 | 593.6 | 0.0 | U |
| 2.356 | 0.5439 | 0.0000 | 85.035 | 0.54373 | 0.00000 | 636.5 | 636.5 | 0.0 | U |
| 2.378 | 0.5581 | 0.0000 | 85.038 | 0.55802 | 0.00000 | 680.6 | 680.6 | 0.0 | U |
| 2.400 | 0.5719 | 0.0000 | 85.040 | 0.57182 | 0.00000 | 725.8 | 725.8 | 0.0 | U |
| 2.422 | 0.5853 | 0.0000 | 85.043 | 0.58517 | 0.00000 | 772.1 | 772.1 | 0.0 | U |
| 2.444 | 0.5982 | 0.0000 | 85.045 | 0.59811 | 0.00000 | 819.4 | 819.4 | 0.0 | U |
| 2.467 | 0.6108 | 0.0000 | 85.048 | 0.61066 | 0.00000 | 867.8 | 867.8 | 0.0 | U |
| 2.489 | 0.6229 | 0.0000 | 85.051 | 0.62343 | 0.00000 | 917.1 | 917.1 | 0.0 | U |
| 2.511 | 0.6371 | 0.0000 | 85.054 | 0.63859 | 0.00000 | 967.5 | 967.5 | 0.0 | U |
| 2.533 | 0.6572 | 0.0000 | 85.057 | 0.65985 | 0.00000 | 1019.3 | 1019.3 | 0.0 | U |
| 2.556 | 0.6879 | 0.0000 | 85.060 | 0.69060 | 0.00000 | 1073.1 | 1073.1 | 0.0 | U |
| 2.578 | 0.7294 | 0.0000 | 85.063 | 0.73070 | 0.00000 | 1129.8 | 1129.8 | 0.0 | U |
| 2.600 | 0.7762 | 0.0000 | 85.066 | 0.77613 | 0.00000 | 1190.0 | 1190.0 | 0.0 | U |
| 2.622 | 0.8228 | 0.0000 | 85.070 | 0.82191 | 0.00000 | 1254.0 | 1254.0 | 0.0 | U |
| 2.644 | 0.8658 | 0.0000 | 85.073 | 0.86419 | 0.00000 | 1321.5 | 1321.5 | 0.0 | U |
| 2.667 | 0.9023 | 0.0000 | 85.077 | 0.90074 | 0.00000 | 1392.3 | 1392.3 | 0.0 | U |
| 2.689 | 0.9325 | 0.0000 | 85.081 | 0.93139 | 0.00000 | 1465.6 | 1465.6 | 0.0 | U |
| 2.711 | 0.9582 | 0.0000 | 85.085 | 0.95744 | 0.00000 | 1541.3 | 1541.3 | 0.0 | U |
| 2.733 | 0.9808 | 0.0000 | 85.090 | 0.98019 | 0.00000 | 1618.8 | 1618.8 | 0.0 | U |
| 2.756 | 1.0009 | 0.0000 | 85.094 | 1.00045 | 0.00000 | 1698.1 | 1698.1 | 0.0 | U |
| 2.778 | 1.0191 | 0.0000 | 85.099 | 1.01878 | 0.00000 | 1778.9 | 4778.9 | 0.0 | U |
| 2.800 | 1.0359 | 0.0000 | 85.103 | 1.03559 | 0.00000 | 1861.1 | 1861.1 | 0.0 | U |
| 2.822 | 1.0514 | 0.0000 | 85.108 | 1.05120 | 0.00000 | 1944.6 | 1944.6 | 0.0 | U |
| 2.844 | 1.0660 | 0.0000 | 85.113 | 1.06583 | 0.00000 | 2029.3 | 2029.3 | 0.0 | U |
| 2.867 | 1.0798 | 0.0000 | 85.117 | \$. 07967 | 0.00000 | 2115.1 | 2115.1 | 0.0 | U |
| 2.889 | 1.0930 | 0.0000 | 85.122 | 1.09284 | 0.00000 | 2202.0 | 2202.0 | 0.0 | U |
| 2.911 | 1.1055 | 0.0000 | 85.127 | 1.10542 | 0.00000 | 2290.0 | 2290.0 | 0.0 | U |
| 2.933 | 1.1176 | 0.0000 | 85.132 | 1.11749 | 0.00000 | 2378.9 | 2378.9 | 0.0 | U |
| 2.956 | 1.1292 | 0.0000 | 85.137 | 1.12912 | 0.00000 | 2468.8 | 2468.8 | 0.0 | U |
| 2.978 | 1.1404 | 0.0000 | 85.142 | 1.14034 | 0.00000 | 2559.6 | 2559.6 | 0.0 | U |
| 3.000 | 1.1513 | 0.0000 | 85.147 | 1.15461 | 0.00000 | 2651.2 | 2651.2 | 0.0 | U |
| 3.022 | 1.1755 | 0.0000 | 85.152 | 1.18265 | 0.00000 | 2744.3 | 2744.3 | 0.0 | U |
| 3.044 | 1.2284 | 0.0000 | 85.158 | 1.24055 | 0.00000 | 2840.5 | 2840.5 | 0.0 | U |
| 3.067 | 1.3299 | 0.0000 | 85.163 | 1.33954 | 0.00000 | 2942.8 | 2942.8 | 0.0 | U |
| 3.089 | 1.4699 | 0.0000 | 85.169 | 1.47282 | 0.00000 | 3054.8 | 3054.8 | 0.0 | U |
| 3.111 | 1.6215 | 0.0000 | 85.176 | $\uparrow .61962$ | 0.00000 | 3178.5 | 3178.5 | 0.0 | U |
| 3.133 | 1.7655 | 0.0000 | 85.184 | 1.76082 | 0.00000 | 3313.9 | 3313.9 | 0.0 | U |
| 3.156 | 1.8907 | 0.0000 | 85.192 | 1.84458 | 0.00000 | 3460.2 | 3460.2 | 0.0 | U |
| 3.178 | 1.9869 | 0.0000 | 102.000 | 1.86108 | 0.00000 | 3615.3 | 3609.1 | 0.0 | U/P |
| 3.200 | 2.0603 | 0.0000 | 102.001 | 1.86118 | 0.00000 | 3777.2 | 3758.0 | 0.0 | U/P |
| 3.222 | 2.1188 | 0.0000 | 102.001 | 1.86134 | 0.00000 | 3944.3 | 3906.9 | 0.0 | U/P |
| 3.244 | 2.1672 | 0.0000 | 102.002 | 1.86154 | 0.00000 | 4115.8 | 4055.8 | 0.0 | U/P |
| 3.267 | 2.2069 | 0.0000 | 102.003 | 1.86179 | 0.00000 | 4290.7 | 4204.7 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 7-100 Year/24 Hour Routing

|  Time (hours) | inflow Rate ( $\mathrm{f} \mathrm{B}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (fl datum) | Infiltration Rate (fils) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 3.289 | 2.2407 | 0.0000 | 102.004 | 1.86206 | 0.00000 | 4468.6 | 4353.7 | 0.0 | U/P |
| 3.311 | 2.2699 | 0.0000 | 102.005 | 1.86236 | 0.00000 | 4649.1 | 4502.6 | 0.0 | U/P |
| 3.333 | 2.2955 | 0.0000 | 102.006 | 1.86269 | 0.00000 | 4831.7 | 4651.6 | 0.0 | U/P |
| 3.356 | 2.3184 | 0.0000 | 102.007 | 1.86304 | 0.00000 | 5016.2 | 4800.7 | 0.0 | U/P |
| 3.378 | 2.3392 | 0.0000 | 102.008 | 1.86340 | 0.00000 | 5202.5 | 4949.7 | 0.0 | U/P |
| 3.400 | 2.3583 | 0.0000 | 102.009 | 1.86378 | 0.00000 | 5390.4 | 5098.8 | 0.0 | U/P |
| 3.422 | 2.3760 | 0.0000 | 102.010 | 1.86418 | 0.00000 | 5579.8 | 5247.9 | 0.0 | U/P |
| 3.444 | 2.3925 | 0.0000 | 102.012 | 1.86458 | 0.00000 | 5770.6 | 5397.1 | 0.0 | U/P |
| 3.467 | 2.4082 | 0.0000 | 102.013 | 1.86501 | 0.00000 | 5962.6 | 5546.3 | 0.0 | U/P |
| 3.489 | 2.4230 | 0.0000 | 102.014 | 1.86544 | 0.00000 | 6155.8 | 5695.5 | 0.0 | U/P |
| 3.511 | 2.4387 | 0.0000 | 102.016 | 1.86589 | 0.00000 | 6350.3 | 5844.7 | 0.0 | U/P |
| 3.533 | 2.4609 | 0.0000 | 102.017 | 1.86635 | 0.00000 | 6546.3 | 5994.0 | 0.0 | U/P |
| 3.556 | 2.4963 | 0.0000 | 102.019 | 1.86682 | 0.00000 | 6744.6 | 6143.3 | 0.0 | U/P |
| 3.578 | 2.5488 | 0.0000 | 102.020 | 1.86733 | 0.00000 | 6946.4 | 6292.7 | 0.0 | U/P |
| 3.600 | 2.6124 | 0.0000 | 102.022 | 1.86788 | 0.00000 | 7152.8 | 6442.1 | 0.0 | U/P |
| 3.622 | 2.6773 | 0.0000 | 102.024 | 1.86847 | 0.00000 | 7364.4 | 6591.6 | 0.0 | U/P |
| 3.644 | 2.7371 | 0.0000 | 102.026 | 1.86912 | 0.00000 | 7581.0 | 6741.1 | 0.0 | U/P |
| 3.667 | 2.7876 | 0.0000 | 102.028 | 1.86981 | 0.00000 | 7802.0 | 6890.6 | 0.0 | U/P |
| 3.689 | 2.8269 | 0.0000 | 102.031 | 1.87054 | 0.00000 | 8026.6 | 7040.2 | 0.0 | U/P |
| 3.711 | 2.8578 | 0.0000 | 102.033 | 1.87130 | 0.00000 | 8253.9 | 7189.9 | 0.0 | U/P |
| 3.733 | 2.8832 | 0.0000 | 102.036 | 1.87208 | 0.00000 | 8483.6 | 7339.6 | 0.0 | U/P |
| 3.756 | 2.9045 | 0.0000 | 102.038 | 1.87289 | 0.00000 | 8715.1 | 7489.4 | 0.0 | U/P |
| 3.778 | 2.9227 | 0.0000 | 102.041 | 1.87371 | 0.00000 | 8948.2 | 7639.3 | 0.0 | U/P |
| 3.800 | 2.9385 | 0.0000 | 102.043 | 1.87455 | 0.00000 | 9182.6 | 7789.2 | 0.0 | U/P |
| 3.822 | 2.9525 | 0.0000 | 102.046 | 1.87539 | 0.00000 | 9418.3 | 7939.2 | 0.0 | U/P |
| 3.844 | 2.9651 | 0.0000 | 102.049 | 1.87625 | 0.00000 | 9655.0 | 8089.3 | 0.0 | U/P |
| 3.867 | 2.9766 | 0.0000 | 102.051 | 1.87711 | 0.00000 | 9892.6 | 8239.4 | 0.0 | U/P |
| 3.889 | 2.9873 | 0.0000 | 102.054 | 1.87799 | 0.00000 | 10131.2 | 8389.6 | 0.0 | U/P |
| 3.911 | 2.9972 | 0.0000 | 102.057 | 1.87887 | 0.00000 | 10370.6 | 8539.9 | 0.0 | U/P |
| 3.933 | 3.0066 | 0.0000 | 102.059 | 1.87976 | 0.00000 | 10610.7 | 8690.3 | 0.0 | U/P |
| 3.956 | 3.0155 | 0.0000 | 102.062 | 1.88065 | 0.00000 | 10851.6 | 8840.7 | 0.0 | U/P |
| 3.978 | 3.0240 | 0.0000 | 102.065 | 1.88155 | 0.00000 | 11093.2 | 8991.2 | 0.0 | U/P |
| 4.000 | 3.0321 | 0.0000 | 102.068 | 1.88246 | 0.00000 | 11335.4 | 9141.7 | 0.0 | U/P |
| 4.022 | 3.0510 | 0.0000 | 102.071 | 1.88337 | 0.00000 | 11578.8 | 9292.4 | 0.0 | U/P |
| 4.044 | 3.0990 | 0.0000 | 102.074 | 1.88430 | 0.00000 | 11824.8 | 9443.1 | 0.0 | U/P |
| 4.067 | 3.1989 | 0.0000 | 102.077 | 1.88527 | 0.00000 | 12076.7 | 9593.8 | 0.0 | U/P |
| 4.089 | 3.3508 | 0.0000 | 102.080 | 1.88632 | 0.00000 | 12338.7 | 9744.7 | 0.0 | U/P |
| 4.111 | 3.5277 | 0.0000 | 102.084 | 1.88748 | 0.00000 | 12613.8 | 9895.7 | 0.0 | U/P |
| 4.133 | 3.7017 | 0.0000 | 102.088 | 1.88878 | 0.00000 | 12903.0 | 10046.7 | 0.0 | U/P |
| 4.156 | 3.8552 | 0.0000 | 102.093 | 1.89021 | 0.00000 | 13205.3 | 10197.9 | 0.0 | U/P |
| 4.178 | 3.9752 | 0.0000 | 102.098 | 1.89175 | 0.00000 | 13518.5 | 10349.1 | 0.0 | U/P |
| 4.200 | 4.0628 | 0.0000 | 102.103 | 1.89339 | 0.00000 | 13840.0 | 10500.5 | 0.0 | U/P |
| 4.222 | 4.1275 | 0.0000 | 102.108 | 1.89509 | 0.00000 | 14167.6 | 10652.1 | 0.0 | U/P |
| 4.244 | 4.1772 | 0.0000 | 102.114 | 1.89684 | 0.00000 | 14499.8 | 10803.8 | 0.0 | U/P |
| 4.267 | 4.2155 | 0.0000 | 102.119 | 1.89864 | 0.00000 | 14835.5 | 10955.6 | 0.0 | U/P |
| 4.289 | 4.2454 | 0.0000 | 102.125 | 1.90045 | 0.00000 | 15173.9 | 11107.5 | 0.0 | U/P |
| 4.311 | 4.2692 | 0.0000 | 102.131 | 1.90229 | 0.00000 | 15514.5 | 11259.6 | 0.0 | U/P |
| 4.333 | 4.2885 | 0.0000 | 102.137 | 1.90415 | 0.00000 | 15856.8 | 11411.9 | 0.0 | U/P |
| 4.356 | 4.3045 | 0.0000 | 102.142 | 1.90601 | 0.00000 | 16200.5 | 11564.3 | 0.0 | U/P |
| 4.378 | 4.3180 | 0.0000 | 102.148 | 1.90789 | 0.00000 | 16545.4 | 11716.9 | 0.0 | U/P |
| 4.400 | 4.3297 | 0.0000 | 102.154 | 1.90977 | 0.00000 | 16891.3 | 11869.6 | 0.0 | U/P |
| 4.422 | 4.3400 | 0.0000 | 102.160 | 1.91166 | 0.00000 | 17238.1 | 12022.4 | 0.0 | U/P |
| 4.444 | 4.3493 | 0.0000 | 102.166 | 1.91356 | 0.00000 | 17585.7 | 12175.4 | 0.0 | U/P |
| 4.467 | 4.3577 | 0.0000 | 102.172 | 1.91545 | 0.00000 | 17934.0 | 12328.6 | 0.0 | U/P |
| 4.489 | 4.3656 | 0.0000 | 102.178 | 1.91736 | 0.00000 | 18282.9 | 12481.9 | 0.0 | U/P |
| 4.511 | 4.3728 | 0.0000 | 102.184 | 1.91926 | 0.00000 | 18632.5 | 12635.4 | 0.0 | U/P |
| 4.533 | 4.3826 | 0.0000 | 102.190 | 1.92117 | 0.00000 | 18982.7 | 12789.0 | 0.0 | U/P |
| 4.556 | 4.3987 | 0.0000 | 102.195 | 1.92308 | 0.00000 | 19333.9 | 12942.8 | 0.0 | U/P |
| 4.578 | 4.4259 | 0.0000 | 102.201 | 1.92500 | 0.00000 | 19686.9 | 13096.7 | 0.0 | U/P |
| 4.600 | 4.4620 | 0.0000 | 102.208 | 1.92694 | 0.00000 | 20042.4 | 13250.8 | 0.0 | U/P |
| 4.622 | 4.5005 | 0.0000 | 102.214 | 1.92890 | 0.00000 | 20400.9 | 13405.0 | 0.0 | U/P |
| 4.644 | 4.5368 | 0.0000 | 102.220 | 1.93089 | 0.00000 | 20762.4 | 13559.4 | 0.0 | U/P |
| 4.667 | 4.5682 | 0.0000 | 102.226 | 1.93290 | 0.00000 | 21126.6 | 13713.9 | 0.0 | U/P |
| 4.689 | 4.5922 | 0.0000 | 102.232 | 1.93493 | 0.00000 | 21493.0 | 13868.7 | 0.0 | U/P |
| 4.711 | 4.6105 | 0.0000 | 102.239 | 1.93698 | 0.00000 | 21861.1 | 14023.5 | 0.0 | U/P |
| 4.733 | 4.6248 | 0.0000 | 102.245 | 1.93904 | 0.00000 | 22230.5 | 14178.6 | 0.0 | U/P |
| 4.756 | 4.6366 | 0.0000 | 102.252 | 1.94110 | 0.00000 | 22601.0 | 14333.8 | 0.0 | U/P |
| 4.778 | 4.6462 | 0.0000 | 102.258 | 1.94317 | 0.00000 | 22972.3 | 14489.1 | 0.0 | U/P |
| 4.800 | 4.6544 | 0.0000 | 102.265 | 1.94525 | 0.00000 | 23344.3 | 14644.7 | 0.0 | U/P |
| 4.822 | 4.6614 | 0.0000 | 102.271 | 1.94732 | 0.00000 | 23717.0 | 14800.4 | 0.0 | U/P |
| 4.844 | 4.6675 | 0.0000 | 102.277 | 1.94940 | 0.00000 | 24090.1 | 14956.3 | 0.0 | U/P |
| 4.867 | 4.6730 | 0.0000 | 102.284 | 1.95148 | 0.00000 | 24463.7 | 15112.3 | 0.0 | U/P |
| 4.889 | 4.6780 | 0.0000 | 102.290 | 1.95356 | 0.00000 | 24837.8 | 15268.5 | 0.0 | U/P |
| 4.911 | 4.6826 | 0.0000 | 102.297 | 1.95564 | 0.00000 | 25212.2 | 15424.9 | 0.0 | U/P |

PONDS Version 3.2.0207

Detailed Results (cont,d.) :: Scenario 1 :: Pond 7 - 100 Year $/ 24$ Hour Routing

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (it datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overfiow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume $\left(\mathrm{ft}^{3}\right)$ | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4.933 | 4.6870 | 0.0000 | 102,303 | 1.95772 | 0.00000 | 25587.0 | 15581.4 | 0.0 | U/P |
| 4.956 | 4.6910 | 0.0000 | 102.310 | 1.95980 | 0.00000 | 25962.1 | 15738.1 | 0.0 | U/P |
| 4.978 | 4.6949 | 0.0000 | 102.316 | 1.96188 | 0.00000 | 26337.6 | 15895.0 | 0.0 | U/P |
| 5.000 | 4.6996 | 0.0000 | 102.323 | 1.96395 | 0.00000 | 26713.3 | 16052.0 | 0.0 | U/P |
| 5.022 | 4.7079 | 0.0000 | 102.329 | 1.96603 | 0.00000 | 27089.6 | 16209.2 | 0.0 | U/P |
| 5.044 | 4.7233 | 0.0000 | 102.335 | 1.96811 | 0.00000 | 27466.9 | 16366.6 | 0.0 | U/P |
| 5.067 | 4.7474 | 0.0000 | 102.342 | 1.97020 | 0.00000 | 27845.7 | 16524.1 | 0.0 | U/P |
| 5.089 | 4.7769 | 0.0000 | 102.349 | 1.97231 | 0.00000 | 28226.7 | 16681.8 | 0.0 | U/P |
| 5.111 | 4.8069 | 0.0000 | 102.355 | 1.97443 | 0.00000 | 28610.0 | 16839.7 | 0.0 | U/P |
| 5.133 | 4.8341 | 0.0000 | 102.362 | 1.97657 | 0.00000 | 28995.7 | 16997.7 | 0.0 | U/P |
| 5.156 | 4.8565 | 0.0000 | 102.369 | 1.97872 | 0.00000 | 29383.3 | 17155.9 | 0.0 | U/P |
| 5.178 | 4.8732 | 0.0000 | 102.375 | 1.98089 | 0.00000 | 29772.5 | 17314.3 | 0.0 | U/P |
| 5.200 | 4.8857 | 0.0000 | 102.382 | 1.98306 | 0.00000 | 30162.9 | 17472.9 | 0.0 | U/P |
| 5.222 | 4.8955 | 0.0000 | 102.389 | 1.98525 | 0.00000 | 30554.1 | 17631.6 | 0.0 | U/P |
| 5.244 | 4.9034 | 0.0000 | 102.396 | 1.98743 | 0.00000 | 30946.1 | 17790.5 | 0.0 | U/P |
| 5.267 | 4.9097 | 0.0000 | 102.402 | 1.98962 | 0.00000 | 31338.6 | 17949.6 | 0.0 | U/P |
| 5.289 | 4.9150 | 0.0000 | 102.409 | 1.99181 | 0.00000 | 31731.6 | 18108.8 | 0.0 | U/P |
| 5.311 | 4.9194 | 0.0000 | 102.416 | 1.99400 | 0.00000 | 32124.9 | 18268.3 | 0.0 | U/P |
| 5.333 | 4.9233 | 0.0000 | 102.423 | 1.99618 | 0.00000 | 32518.6 | 18427.9 | 0.0 | U/P |
| 5.356 | 4.9267 | 0.0000 | 102.430 | 1.99837 | 0.00000 | 32912.6 | 18587.7 | 0.0 | U/P |
| 5.378 | 4.9298 | 0.0000 | 102.436 | 2.00056 | 0.00000 | 33306.9 | 18747.6 | 0.0 | U/P |
| 5.400 | 4.9326 | 0.0000 | 102.443 | 2.00274 | 0.00000 | 33701.4 | 18907.7 | 0.0 | U/P |
| 5.422 | 4.9352 | 0.0000 | 102.450 | 2.00492 | 0.00000 | 34096.1 | 19068.0 | 0.0 | U/P |
| 5.444 | 4.9377 | 0.0000 | 102.457 | 2.00710 | 0.00000 | 34491.0 | 19228.5 | 0.0 | U/P |
| 5.467 | 4.9400 | 0.0000 | 102.463 | 2.00928 | 0.00000 | 34886.1 | 19389.2 | 0.0 | U/P |
| 5.489 | 4.9422 | 0.0000 | 102.470 | 2.01145 | 0.00000 | 35281.4 | 19550.0 | 0.0 | U/P |
| 5.511 | 4.9444 | 0.0000 | 102.477 | 2.01363 | 0.00000 | 35676.9 | 19711.0 | 0.0 | U/P |
| 5.533 | 4.9464 | 0.0000 | 102.484 | 2.01580 | 0.00000 | 36072.5 | 19872.2 | 0.0 | U/P |
| 5.556 | 4.9483 | 0.0000 | 102.490 | 2.01796 | 0.00000 | 36468.3 | 20033.5 | 0.0 | U/P |
| 5.578 | 4.9502 | 0.0000 | 102.497 | 2.02013 | 0.00000 | 36864.2 | 20195.1 | 0.0 | U/P |
| 5.600 | 4.9520 | 0.0000 | 102.504 | 2.02229 | 0.00000 | 37260.3 | 20356.8 | 0.0 | U/P |
| 5.622 | 4.9537 | 0.0000 | 102.510 | 2.02445 | 0.00000 | 37656.5 | 20518.6 | 0.0 | U/P |
| 5.644 | 4.9555 | 0.0000 | 102.517 | 2.02661 | 0.00000 | 38052.9 | 20680.7 | 0.0 | U/P |
| 5.667 | 4.9572 | 0.0000 | 102.524 | 2.02877 | 0.00000 | 38449.4 | 20842.9 | 0.0 | U/P |
| 5.689 | 4.9588 | 0.0000 | 102.530 | 2.03092 | 0.00000 | 38846.1 | 21005.3 | 0.0 | U/P |
| 5.711 | 4.9605 | 0.0000 | 102.537 | 2.03307 | 0.00000 | 39242.8 | 21167.8 | 0.0 | U/P |
| 5.733 | 4.9621 | 0.0000 | 102.544 | 2.03522 | 0.00000 | 39639.7 | 21330.6 | 0.0 | U/P |
| 5.756 | 4.9636 | 0.0000 | 102.550 | 2.03736 | 0.00000 | 40036.8 | 21493.5 | 0.0 | U/P |
| 5.778 | 4.9652 | 0.0000 | 102.557 | 2.03950 | 0.00000 | 40433.9 | 21656.5 | 0.0 | U/P |
| 5.800 | 4.9667 | 0.0000 | 102.564 | 2.04164 | 0.00000 | 40831.2 | 21819.8 | 0.0 | U/P |
| 5.822 | 4.9681 | 0.0000 | 102.570 | 2.04378 | 0.00000 | 41228.6 | 21983.2 | 0.0 | U/P |
| 5.844 | 4.9696 | 0.0000 | 102.577 | 2.04591 | 0.00000 | 41626.1 | 22146.8 | 0.0 | U/P |
| 5.867 | 4.9710 | 0.0000 | 102.584 | 2.04804 | 0.00000 | 42023.7 | 22310.6 | 0.0 | UIP |
| 5.889 | 4.9724 | 0.0000 | 102.590 | 2.05017 | 0.00000 | 42421.4 | 22474.5 | 0.0 | U/P |
| 5.911 | 4.9737 | 0.0000 | 102.597 | 2.05230 | 0.00000 | 42819.3 | 22638.6 | 0.0 | U/P |
| 5.933 | 4.9750 | 0.0000 | 102.603 | 2.05442 | 0.00000 | 43217.2 | 22802.9 | 0.0 | U/P |
| 5.956 | 4.9763 | 0.0000 | 102.610 | 2.05654 | 0.00000 | 43615.3 | 22967.3 | 0.0 | U/P |
| 5.978 | 4.9776 | 0.0000 | 102.616 | 2.05866 | 0.00000 | 44013.4 | 23131.9 | 0.0 | U/P |
| 6.000 | 4.9788 | 0.0000 | 102.623 | 2.06077 | 0.00000 | 44411.7 | 23296.7 | 0.0 | U/P |
| 6.022 | 5.0610 | 0.0000 | 102.630 | 2.06290 | 0.00000 | 44813.3 | 23461.6 | 0.0 | U/P |
| 6.044 | 5.3134 | 0.0000 | 102.637 | 2.06509 | 0.00000 | 45228.3 | 23626.7 | 0.0 | U/P |
| 6.067 | 5.8495 | 0.0000 | 102.645 | 2.06749 | 0.00000 | 45674.8 | 23792.0 | 0.0 | U/P |
| 6.089 | 6.6046 | 0.0000 | 102.654 | 2.07026 | 0.00000 | 46173.0 | 23957.5 | 0.0 | U/P |
| 6.111 | 7.4168 | 0.0000 | 102.665 | 2.07353 | 0.00000 | 46733.8 | 24123.3 | 0.0 | U/P |
| 6.133 | 8.1728 | 0.0000 | 102.678 | 2.07736 | 0.00000 | 47357.4 | 24289.3 | 0.0 | U/P |
| 6.156 | 8.8077 | 0.0000 | 102.692 | 2.08172 | 0.00000 | 48036.6 | 24455.7 | 0.0 | U/P |
| 6.178 | 9.2646 | 0.0000 | 102.707 | 2.08650 | 0.00000 | 48759.5 | 24622.4 | 0.0 | U/P |
| 6.200 | 9.5840 | 0.0000 | 102.724 | 2.09160 | 0.00000 | 49513.5 | 24789.5 | 0.0 | U/P |
| 6.222 | 9.8143 | 0.0000 | 102.740 | 2.09692 | 0.00000 | 50289.4 | 24957.0 | 0.0 | U/P |
| 6.244 | 9.9855 | 0.0000 | 102.757 | 2.10240 | 0.00000 | 51081.4 | 25125.0 | 0.0 | U/P |
| 6.267 | 10.1081 | 0.0000 | 102.775 | 2.10798 | 0.00000 | 51885.1 | 25293.4 | 0.0 | U/P |
| 6.289 | 10.1983 | 0.0000 | 102.793 | 2.11362 | 0.00000 | 52697.4 | 25462.3 | 0.0 | U/P |
| 6.311 | 10.2640 | 0.0000 | 102.810 | 2.11932 | 0.00000 | 53515.9 | 25631.6 | 0.0 | U/P |
| 6.333 | 10.3119 | 0.0000 | 102.828 | 2.12504 | 0.00000 | 54338.9 | 25801.4 | 0.0 | U/P |
| 6.356 | 10.3475 | 0.0000 | 102.846 | 2.13078 | 0.00000 | 55165.3 | 25971.6 | 0.0 | U/P |
| 6.378 | 10.3741 | 0.0000 | 102.864 | 2.13653 | 0.00000 | 55994.1 | 26142.3 | 0.0 | U/P |
| 6.400 | 10.3941 | 0.0000 | 102.882 | 2.14227 | 0.00000 | 56824.9 | 26313.4 | 0.0 | U/P |
| 6.422 | 10.4092 | 0.0000 | 102.899 | 2.14801 | 0.00000 | 57657.0 | 26485.1 | 0.0 | U/P |
| 6.444 | 10.4209 | 0.0000 | 102.917 | 2.15374 | 0.00000 | 58490.2 | 26657.1 | 0.0 | U/P |
| 6.467 | 10.4306 | 0.0000 | 102.935 | 2.15946 | 0.00000 | 59324.3 | 26829.7 | 0.0 | U/P |
| 6.489 | 10.4383 | 0.0000 | 102.953 | 2.16516 | 0.00000 | 60159.0 | 27002.6 | 0.0 | U/P |
| 6.511 | 10.4501 | 0.0000 | 102.970 | 2.17086 | 0.00000 | 60994.6 | 27176.1 | 0.0 | U/P |
| 6.533 | 10.4857 | 0.0000 | 102.988 | 2.17655 | 0.00000 | 61832.0 | 27350.0 | 0.0 | U/P |
| 6.556 | 10.5675 | 0.0000 | 103.006 | 2.18225 | 0.00000 | 62674.1 | 27524.3 | 0.0 | U/P |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1:: Pond 7-100 Year/24 Hour Routing

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{3 / \mathrm{s}}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate (f $\mathrm{f}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 6.578 | 10.7104 | 0.0000 | 103.023 | 2.18802 | 0.00000 | 63525.2 | 27699.1 | 0.0 | U/P |
| 6.600 | 10.8920 | 0.0000 | 103.042 | 2.19388 | 0.00000 | 64389.3 | 27874.4 | 0.0 | U/P |
| 6.622 | 11.0783 | 0.0000 | 103.060 | 2.19985 | 0.00000 | 65268.1 | 28050.2 | 0.0 | U/P |
| 6.644 | 11.2466 | 0.0000 | 103.079 | 2.20591 | 0.00000 | 66161.1 | 28226.4 | 0.0 | U/P |
| 6.667 | 11.3825 | 0.0000 | 103.098 | 2.21207 | 0.00000 | 67066.3 | 28403.1 | 0.0 | U/P |
| 6.689 | 11.4800 | 0.0000 | 103.117 | 2.21829 | 0.00000 | 67980.8 | 28580.3 | 0.0 | U/P |
| 6.711 | 11.5490 | 0.0000 | 103.137 | 2.22457 | 0.00000 | 68902.0 | 28758.0 | 0.0 | U/P |
| 6.733 | 11.5995 | 0.0000 | 103.156 | 2.23087 | 0.00000 | 69827.9 | 28936.3 | 0.0 | U/P |
| 6.756 | 11.6371 | 0.0000 | 103.175 | 2.23718 | 0.00000 | 70757.4 | 29115.0 | 0.0 | U/P |
| 6.778 | 11.6644 | 0.0000 | 103.195 | 2.24349 | 0.00000 | 71689.4 | 29294.2 | 0.0 | U/P |
| 6.800 | 11.6848 | 0.0000 | 103.214 | 2.24981 | 0.00000 | 72623.4 | 29473.9 | 0.0 | U/P |
| 6.822 | 11.7000 | 0.0000 | 103.234 | 2.25611 | 0.00000 | 73558.8 | 29654.2 | 0.0 | U/P |
| 6.844 | 11.7114 | 0.0000 | 103.253 | 2.26241 | 0.00000 | 74495.2 | 29834.9 | 0.0 | U/P |
| 6.867 | 11.7201 | 0.0000 | 103.272 | 2.26869 | 0.00000 | 75432.5 | 30016.2 | 0.0 | U/P |
| 6.889 | 11.7269 | 0.0000 | 103.291 | 2.27495 | 0.00000 | 76370.4 | 30197.9 | 0.0 | U/P |
| 6.911 | 11.7323 | 0.0000 | 103.311 | 2.28120 | 0.00000 | 77308.7 | 30380.1 | 0.0 | U/P |
| 6.933 | 11.7366 | 0.0000 | 103.330 | 2.28743 | 0.00000 | 78247.5 | 30562.9 | 0.0 | U/P |
| 6.956 | 11.7402 | 0.0000 | 103.349 | 2.29364 | 0.00000 | 79186.6 | 30746.1 | 0.0 | U/P |
| 6.978 | 11.7433 | 0.0000 | 103.368 | 2.29983 | 0.00000 | 80125.9 | 30929.9 | 0.0 | U/P |
| 7.000 | 11.7459 | 0.0000 | 103.387 | 2.30600 | 0.00000 | 81065.5 | 31114.1 | 0.0 | U/P |
| 7.022 | 11.7803 | 0.0000 | 103.406 | 2.31217 | 0.00000 | 82006.5 | 31298.8 | 0.0 | U/P |
| 7.044 | 11.9001 | 0.0000 | 103.425 | 2.31834 | 0.00000 | 82953.7 | 31484.1 | 0.0 | U/P |
| 7.067 | 12.1706 | 0.0000 | 103.444 | 2.32458 | 0.00000 | 83916.6 | 31669.8 | 0.0 | U/P |
| 7.089 | 12.5915 | 0.0000 | 103.464 | 2.33097 | 0.00000 | 84907.1 | 31856.0 | 0.0 | U/P |
| 7.111 | 13.0841 | 0.0000 | 103.485 | 2.33760 | 0.00000 | 85934.1 | 32042.7 | 0.0 | U/P |
| 7.133 | 13.5668 | 0.0000 | 103.506 | 2.34451 | 0.00000 | 87000.1 | 32230.0 | 0.0 | U/P |
| 7.156 | 13.9886 | 0.0000 | 103.529 | 2.35169 | 0.00000 | 88102.3 | 32417.8 | 0.0 | U/P |
| 7.178 | 14.3123 | 0.0000 | 103.552 | 2.35912 | 0.00000 | 89234.4 | 32606.3 | 0.0 | U/P |
| 7.200 | 14.5413 | 0.0000 | 103.576 | 2.36672 | 0.00000 | 90388.5 | 32795.3 | 0.0 | U/P |
| 7.222 | 14.7040 | 0.0000 | 103.600 | 2.37444 | 0.00000 | 91558.3 | 32984.9 | 0.0 | U/P |
| 7.244 | 14.8233 | 0.0000 | 103.624 | 2.38224 | 0.00000 | 92739.4 | 33175.2 | 0.0 | U/P |
| 7.267 | 14.9099 | 0.0000 | 103.648 | 2.39009 | 0.00000 | 93928.7 | 33366.1 | 0.0 | U/P |
| 7.289 | 14.9727 | 0.0000 | 103.672 | 2.39796 | 0.00000 | 95124.0 | 33557.6 | 0.0 | U/P |
| 7.311 | 15.0186 | 0.0000 | 103.696 | 2.40584 | 0.00000 | 96323.7 | 33749.8 | 0.0 | U/P |
| 7.333 | 15.0518 | 0.0000 | 103.721 | 2.41372 | 0.00000 | 97526.5 | 33942.6 | 0.0 | U/P |
| 7.356 | 15.0763 | 0.0000 | 103.745 | 2.42158 | 0.00000 | 98731.6 | 34136.0 | 0.0 | U/P |
| 7.378 | 15.0944 | 0.0000 | 103.769 | 2.42944 | 0.00000 | 99938.5 | 34330.0 | 0.0 | U/P |
| 7.400 | 15.1079 | 0.0000 | 103.793 | 2.43728 | 0.00000 | 101146.5 | 34524.7 | 0.0 | U/P |
| 7.422 | 15.1179 | 0.0000 | 103.817 | 2.44509 | 0.00000 | 102355.6 | 34720.0 | 0.0 | U/P |
| 7.444 | 15.1256 | 0.0000 | 103.841 | 2.45288 | 0.00000 | 103565.3 | 34915.9 | 0.0 | U/P |
| 7.467 | 15.1317 | 0.0000 | 103.865 | 2.46065 | 0.00000 | 104775.6 | 35112.4 | 0.0 | U/P |
| 7.489 | 15.1365 | 0.0000 | 103.888 | 2.46839 | 0.00000 | 105986.3 | 35309.6 | 0.0 | U/P |
| 7.511 | 15.1402 | 0.0000 | 103.912 | 2.47610 | 0.00000 | 107197.4 | 35507.4 | 0.0 | U/P |
| 7.533 | 15.2014 | 0.0000 | 103.936 | 2.48380 | 0.00000 | 108411.1 | 35705.8 | 0.0 | U/P |
| 7.556 | 15.3871 | 0.0000 | 103.960 | 2.49152 | 0.00000 | 109634.6 | 35904.8 | 0.0 | U/P |
| 7.578 | 15.7826 | 0.0000 | 103.984 | 2.49933 | 0.00000 | 110881.4 | 36104.4 | 0.0 | U/P |
| 7.600 | 16.3449 | 0.0000 | 104.009 | 2.50736 | 0.00000 | 112166.5 | 36304.7 | 0.0 | U/P |
| 7.622 | 16.9549 | 0.0000 | 104.035 | 2.51571 | 0.00000 | 113498.5 | 36505.6 | 0.0 | U/P |
| 7.644 | 17.5256 | 0.0000 | 104.062 | 2.52441 | 0.00000 | 114877.7 | 36707.2 | 0.0 | U/P |
| 7.667 | 18.0067 | 0.0000 | 104.090 | 2.53341 | 0.00000 | 116299.0 | 36909.5 | 0.0 | U/P |
| 7.689 | 18.3553 | 0.0000 | 104.118 | 2.54265 | 0.00000 | 117753.5 | 37112.5 | 0.0 | U/P |
| 7.711 | 18.5989 | 0.0000 | 104.147 | 2.55207 | 0.00000 | 119231.6 | 37316.3 | 0.0 | U/P |
| 7.733 | 18.7739 | 0.0000 | 104.176 | 2.56159 | 0.00000 | 120726.5 | 37520.9 | 0.0 | U/P |
| 7.756 | 18.9034 | 0.0000 | 104.206 | 2.57119 | 0.00000 | 122233.6 | 37726.2 | 0.0 | U/P |
| 7.778 | 18.9959 | 0.0000 | 104.235 | 2.58081 | 0.00000 | 123749.6 | 37932.3 | 0.0 | U/P |
| 7.800 | 19.0635 | 0.0000 | 104.264 | 2.59046 | 0.00000 | 125272.0 | 38139.1 | 0.0 | U/P |
| 7.822 | 19.1125 | 0.0000 | 104.294 | 2.60010 | 0.00000 | 126799.0 | 38346.7 | 0.0 | U/P |
| 7.844 | 19.1479 | 0.0000 | 104.323 | 2.60973 | 0.00000 | 128329.4 | 38555.1 | 0.0 | U/P |
| 7.867 | 19.1739 | 0.0000 | 104.352 | 2.61934 | 0.00000 | 129862.3 | 38764.3 | 0.0 | U/P |
| 7.889 | 19.1930 | 0.0000 | 104.381 | 2.62892 | 0.00000 | 131397.0 | 38974.2 | 0.0 | U/P |
| 7.911 | 19.2072 | 0.0000 | 104.410 | 2.63847 | 0.00000 | 132933.0 | 39184.9 | 0.0 | U/P |
| 7.933 | 19.2176 | 0.0000 | 104.439 | 2.64800 | 0.00000 | 134470.0 | 39396.4 | 0.0 | U/P |
| 7.956 | 19.2255 | 0.0000 | 104.468 | 2.65749 | 0.00000 | 136007.7 | 39608.6 | 0.0 | U/P |
| 7.978 | 19.2318 | 0.0000 | 104.497 | 2.66694 | 0.00000 | 137546.0 | 39821.6 | 0.0 | U/P |
| 8.000 | 19.2579 | 0.0000 | 104.526 | 2.67637 | 0.00000 | 139085.6 | 40035.3 | 0.0 | U/P |
| 8.022 | 19.3648 | 0.0000 | 104.554 | 2.68577 | 0.00000 | 140630.5 | 40249.8 | 0.0 | U/P |
| 8.044 | 19.6239 | 0.0000 | 104.583 | 2.69522 | 0.00000 | 142190.0 | 40465.0 | 0.0 | U/P |
| 8.067 | 20.0710 | 0.0000 | 104.613 | 2.70477 | 0.00000 | 143777.8 | 40681.0 | 0.0 | U/P |
| 8.089 | 20.6348 | 0.0000 | 104.643 | 2.71452 | 0.00000 | 145406.1 | 40897.8 | 0.0 | U/P |
| 8.111 | 21.2101 | 0.0000 | 104.674 | 2.72453 | 0.00000 | 147079.9 | 41115.3 | 0.0 | U/P |
| 8.133 | 21.7272 | 0.0000 | 104.705 | 2.73482 | 0.00000 | 148797.4 | 41333.7 | 0.0 | U/P |
| 8.156 | 22.1412 | 0.0000 | 104.738 | 2.74533 | 0.00000 | 150552.1 | 41552.9 | 0.0 | U/P |
| 8.178 | 22.4361 | 0.0000 | 104.771 | 2.75603 | 0.00000 | 152335.2 | 41773.0 | 0.0 | U/P |
| 8.200 | 22.6436 | 0.0000 | 104.804 | 2.76685 | 0.00000 | 154138.4 | 41993.9 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: Pond 7 - 100 Year / 24 Hour Routing

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{A}^{3 / 3} \mathrm{~s}$ ) | Outside Recharge (It/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{H1}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ff}^{3}$ ) | Cumulative Infiltration Volume (fis) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 8.222 | 22.7941 | 0.0000 | 104.837 | 2.77773 | 0.00000 | 155955.9 | 42215.7 | 0.0 | U/P |
| 8.244 | 22.9043 | 0.0000 | 104.870 | 2.78865 | 0.00000 | 157783.8 | 42438.3 | 0.0 | U/P |
| 8.267 | 22.9834 | 0.0000 | 104.903 | 2.79959 | 0.00000 | 159619.3 | 42661.9 | 0.0 | U/P |
| 8.289 | 23.0410 | 0.0000 | 104.937 | 2.81052 | 0.00000 | 161460.3 | 42886.3 | 0.0 | U/P |
| 8.311 | 23.0827 | 0.0000 | 104.970 | 2.82143 | 0.00000 | 163305.3 | 43111.5 | 0.0 | U/P |
| 8.333 | 23.1128 | 0.0000 | 105.003 | 2.83232 | 0.00000 | 165153.1 | 43337.7 | 0.0 | U/P |
| 8.356 | 23.1349 | 0.0000 | 105.036 | 2.84323 | 0.00000 | 167003.0 | 43564.7 | 0.0 | U/P |
| 8.378 | 23.1512 | 0.0000 | 105.069 | 2.85416 | 0.00000 | 168854.4 | 43792.6 | 0.0 | U/P |
| 8.400 | 23.1631 | 0.0000 | 105.102 | 2.86504 | 0.00000 | 170707.0 | 44021.4 | 0.0 | U/P |
| 8.422 | 23.1719 | 0.0000 | 105.135 | 2.87588 | 0.00000 | 172560.4 | 44251.0 | 0.0 | U/P |
| 8.444 | 23.1787 | 0.0000 | 105.167 | 2.88668 | 0.00000 | 174414.4 | 44481.5 | 0.0 | U/P |
| 8.467 | 23.1840 | 0.0000 | 105.200 | 2.89744 | 0.00000 | 176268.9 | 44712.9 | 0.0 | U/P |
| 8.489 | 23.1879 | 0.0000 | 105.232 | 2.90815 | 0.00000 | 178123.8 | 44945.1 | 0.0 | U/P |
| 8.511 | 23.1906 | 0.0000 | 105.264 | 2.91883 | 0.00000 | 179978.9 | 45178.2 | 0.0 | U/P |
| 8.533 | 23.1920 | 0.0000 | 105.296 | 2.92946 | 0.00000 | 181834.2 | 45412.1 | 0.0 | U/P |
| 8.556 | 23.1927 | 0.0000 | 105.328 | 2.94004 | 0.00000 | 183689.6 | 45646.9 | 0.0 | U/P |
| 8.578 | 23.1933 | 0.0000 | 105.360 | 2.95059 | 0.00000 | 185545.1 | 45882.5 | 0.0 | U/P |
| 8.600 | 23.1939 | 0.0000 | 105.391 | 2.96109 | 0.00000 | 187400.6 | 46119.0 | 0.0 | U/P |
| 8.622 | 23.1945 | 0.0000 | 105.423 | 2.97155 | 0.00000 | 189256.1 | 46356.3 | 0.0 | U/P |
| 8.644 | 23.1951 | 0.0000 | 105.454 | 2.98196 | 0.00000 | 191111.7 | 46594.4 | 0.0 | U/P |
| 8.667 | 23.1957 | 0.0000 | 105.485 | 2.99234 | 0.00000 | 192967.3 | 46833.4 | 0.0 | U/P |
| 8.689 | 23.1963 | 0.0000 | 105.517 | 3.00267 | 0.00000 | 194823.0 | 47073.2 | 0.0 | U/P |
| 8.711 | 23.1968 | 0.0000 | 105.548 | 3.01297 | 0.00000 | 196678.7 | 47313.8 | 0.0 | U/P |
| 8.733 | 23.1974 | 0.0000 | 105.579 | 3.02322 | 0.00000 | 198534.5 | 47555.3 | 0.0 | U/P |
| 8.756 | 23.1979 | 0.0000 | 105.609 | 3.03343 | 0.00000 | 200390.3 | 47797.6 | 0.0 | U/P |
| 8.778 | 23.1984 | 0.0000 | 105.640 | 3.04361 | 0.00000 | 202246.1 | 48040.6 | 0.0 | U/P |
| 8.800 | 23.1989 | 0.0000 | 105.671 | 3.05375 | 0.00000 | 204102.0 | 48284.5 | 0.0 | U/P |
| 8.822 | 23.1994 | 0.0000 | 105.701 | 3.06384 | 0.00000 | 205958.0 | 48529.2 | 0.0 | U/P |
| 8.844 | 23.1999 | 0.0000 | 105.731 | 3.07391 | 0.00000 | 207813.9 | 48774.7 | 0.0 | U/P |
| 8.867 | 23.2004 | 0.0000 | 105.761 | 3.08393 | 0.00000 | 209669.9 | 49021.1 | 0.0 | U/P |
| 8.889 | 23.2008 | 0.0000 | 105.792 | 3.09391 | 0.00000 | 211526.0 | 49268.2 | 0.0 | U/P |
| 8.911 | 23.2013 | 0.0000 | 105.822 | 3.10386 | 0.00000 | 213382.1 | 49516.1 | 0.0 | U/P |
| 8.933 | 23.2017 | 0.0000 | 105.851 | 3.11377 | 0.00000 | 215238.2 | 49764.8 | 0.0 | U/P |
| 8.956 | 23.2021 | 0.0000 | 105.881 | 3.12365 | 0.00000 | 217094.3 | 50014.3 | 0.0 | U/P |
| 8.978 | 23.2025 | 0.0000 | 105.911 | 3.13349 | 0.00000 | 218950.5 | 50264.6 | 0.0 | U/P |
| 9.000 | 23.2029 | 0.0000 | 105.940 | 3.14330 | 0.00000 | 220806.8 | 50515.6 | 0.0 | U/P |
| 9.022 | 23.0990 | 0.0000 | 105.970 | 3.15305 | 0.00000 | 222658.8 | 50767.5 | 0.0 | U/P |
| 9.044 | 22.7758 | 0.0000 | 105.999 | 3.16271 | 0.00000 | 224493.8 | 51020.1 | 0.0 | U/P |
| 9.067 | 22.0873 | 0.0000 | 106.027 | 3.17220 | 0.00000 | 226288.3 | 51273.5 | 0.0 | U/P |
| 9.089 | 21.1170 | 0.0000 | 106.054 | 3.18138 | 0.00000 | 228016.5 | 51527.7 | 0.0 | U/P |
| 9.111 | 20.0736 | 0.0000 | 106.079 | 3.19008 | 0.00000 | 229664.1 | 51782.6 | 0.0 | U/P |
| 9.133 | 19.1032 | 0.0000 | 106.103 | 3.19826 | 0.00000 | 231231.2 | 52038.1 | 0.0 | U/P |
| 9.156 | 18.2893 | 0.0000 | 106.125 | 3.20597 | 0.00000 | 232726.9 | 52294.3 | 0.0 | U/P |
| 9.178 | 17.7051 | 0.0000 | 106.146 | 3.21326 | 0.00000 | 234166.7 | 52551.1 | 0.0 | U/P |
| 9.200 | 17.2982 | 0.0000 | 106.167 | 3.22025 | 0.00000 | 235566.8 | 52808.4 | 0.0 | U/P |
| 9.222 | 17.0062 | 0.0000 | 106.187 | 3.22702 | 0.00000 | 236939.0 | 53066.3 | 0.0 | U/P |
| 9.244 | 16.7903 | 0.0000 | 106.206 | 3.23363 | 0.00000 | 238290.8 | 53324.7 | 0.0 | U/P |
| 9.267 | 16.6370 | 0.0000 | 106.226 | 3.24012 | 0.00000 | 239627.9 | 53583.7 | 0.0 | U/P |
| 9.289 | 16.5255 | 0.0000 | 106.245 | 3.24651 | 0.00000 | 240954.4 | 53843.1 | 0.0 | U/P |
| 9.311 | 16.4453 | 0.0000 | 106.264 | 3.25284 | 0.00000 | 242273.3 | 54103.1 | 0.0 | U/P |
| 9.333 | 16.3881 | 0.0000 | 106.282 | 3.25911 | 0.00000 | 243586.6 | 54363.6 | 0.0 | U/P |
| 9.356 | 16.3465 | 0.0000 | 106.301 | 3.26534 | 0.00000 | 244896.0 | 54624.6 | 0.0 | U/P |
| 9.378 | 16.3163 | 0.0000 | 106.319 | 3.27153 | 0.00000 | 246202.5 | 54886.0 | 0.0 | U/P |
| 9.400 | 16.2946 | 0.0000 | 106.338 | 3.27769 | 0.00000 | 247506.9 | 55148.0 | 0.0 | U/P |
| 9.422 | 16.2791 | 0.0000 | 106.356 | 3.28383 | 0.00000 | 248809.9 | 55410.5 | 0.0 | U/P |
| 9.444 | 16.2677 | 0.0000 | 106.374 | 3.28995 | 0.00000 | 250111.8 | 55673.4 | 0.0 | U/P |
| 9.467 | 16.2589 | 0.0000 | 106.393 | 3.29604 | 0.00000 | 251412.8 | 55936.9 | 0.0 | U/P |
| 9.489 | 16.2525 | 0.0000 | 106.411 | 3.30212 | 0.00000 | 252713.3 | 56200.8 | 0.0 | U/P |
| 9.511 | 16.2455 | 0.0000 | 106.429 | 3.30818 | 0.00000 | 254013.2 | 56465.2 | 0.0 | U/P |
| 9.533 | 16.2276 | 0.0000 | 106.447 | 3.31423 | 0.00000 | 255312.1 | 56730.1 | 0.0 | U/P |
| 9.556 | 16.1877 | 0.0000 | 106.465 | 3.32025 | 0.00000 | 256608.7 | 56995.5 | 0.0 | U/P |
| 9.578 | 16.1170 | 0.0000 | 106.483 | 3.32623 | 0.00000 | 257900.9 | 57261.3 | 0.0 | U/P |
| 9.600 | 16.0267 | 0.0000 | 106.500 | 3.33217 | 0.00000 | 259186.7 | 57527.7 | 0.0 | U/P |
| 9.622 | 15.9340 | 0.0000 | 106.518 | 3.33806 | 0.00000 | 260465.1 | 57794.5 | 0.0 | U/P |
| 9.644 | 15.8504 | 0.0000 | 106.535 | 3.34390 | 0.00000 | 261736.5 | 58061.8 | 0.0 | U/P |
| 9.667 | 15.7831 | 0.0000 | 106.553 | 3.34968 | 0.00000 | 263001.8 | 58329.5 | 0.0 | U/P |
| 9.689 | 15.7353 | 0.0000 | 106.570 | 3.35542 | 0.00000 | 264262.5 | 58597.7 | 0.0 | U/P |
| 9.711 | 15.7017 | 0.0000 | 106.587 | 3.36112 | 0.00000 | 265520.0 | 58866.4 | 0.0 | U/P |
| 9.733 | 15.6774 | 0.0000 | 106.604 | 3.36680 | 0.00000 | 266775.2 | 59135.5 | 0.0 | U/P |
| 9.756 | 15.6597 | 0.0000 | 106.621 | 3.37245 | 0.00000 | 268028.7 | 59405.1 | 0.0 | U/P |
| 9.778 | 15.6471 | 0.0000 | 106.637 | 3.37808 | 0.00000 | 269280.9 | 59675.1 | 0.0 | U/P |
| 9.800 | 15.6379 | 0.0000 | 106.654 | 3.38370 | 0.00000 | 270532.3 | 59945.6 | 0.0 | U/P |
| 9.822 | 15.6314 | 0.0000 | 106.671 | 3.38929 | 0.00000 | 271783.1 | 60216.5 | 0.0 | U/P |
| 9.844 | 15.6267 | 0.0000 | 106.688 | 3.39488 | 0.00000 | 273033.4 | 60487.9 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:: Scenario 1 :: Pond 7 - 100 Year / 24 Hour Routing

| Elapsed Time (hours) | Inflow <br> Rate <br> ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (fidday) | Stage Elevation ( ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume (fis) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 9.867 | 15.6234 | 0.0000 | 106.704 | 3.40045 | 0.00000 | 274283.4 | 60759.7 | 0.0 | U/P |
| 9.889 | 15.6209 | 0.0000 | 106.721 | 3.40600 | 0.00000 | 275533.2 | 61031.9 | 0.0 | U/P |
| 9.911 | 15.6192 | 0.0000 | 106.737 | 3.41155 | 0.00000 | 276782.8 | 61304.6 | 0.0 | U/P |
| 9.933 | 15.6180 | 0.0000 | 106.754 | 3.41708 | 0.00000 | 278032.3 | 61577.8 | 0.0 | U/P |
| 9.956 | 15.6171 | 0.0000 | 106.770 | 3.42260 | 0.00000 | 279281.7 | 61851.4 | 0.0 | U/P |
| 9.978 | 15.6165 | 0.0000 | 106.787 | 3.42810 | 0.00000 | 280531.1 | 62125.4 | 0.0 | U/P |
| 10.000 | 15.6161 | 0.0000 | 106.803 | 3.43360 | 0.00000 | 281780.3 | 62399.9 | 0.0 | U/P |
| 10.022 | 15.5429 | 0.0000 | 106.820 | 3.43908 | 0.00000 | 283026.7 | 62674.8 | 0.0 | U/P |
| 10.044 | 15.2759 | 0.0000 | 106.836 | 3.44449 | 0.00000 | 284259.5 | 62950.1 | 0.0 | U/P |
| 10.067 | 14.6678 | 0.0000 | 106.851 | 3.44977 | 0.00000 | 285457.2 | 63225.9 | 0.0 | U/P |
| 10.089 | 13.7193 | 0.0000 | 106.866 | 3.45476 | 0.00000 | 286592.7 | 63502.1 | 0.0 | U/P |
| 10.111 | 12.6090 | 0.0000 | 106.879 | 3.45933 | 0.00000 | 287645.8 | 63778.6 | 0.0 | U/P |
| 10.133 | 11.5211 | 0.0000 | 106.890 | 3.46342 | 0.00000 | 288611.0 | 64055.6 | 0.0 | U/P |
| 10.156 | 10.5712 | 0.0000 | 106.900 | 3.46703 | 0.00000 | 289494.7 | 64332.8 | 0.0 | U/P |
| 10.178 | 9.8432 | 0.0000 | 106.909 | 3.47023 | 0.00000 | 290311.3 | 64610.3 | 0.0 | U/P |
| 10.200 | 9.3293 | 0.0000 | 106.917 | 3.47309 | 0.00000 | 291078.2 | 64888.0 | 0.0 | U/P |
| 10.222 | 8.9653 | 0.0000 | 106.925 | 3.47572 | 0.00000 | 291810.0 | 65166.0 | 0.0 | U/P |
| 10.244 | 8.6996 | 0.0000 | 106.932 | 3.47817 | 0.00000 | 292516.6 | 65444.1 | 0.0 | U/P |
| 10.267 | 8.5076 | 0.0000 | 106.939 | 3.48050 | 0.00000 | 293204.8 | 65722.5 | 0.0 | U/P |
| 10.289 | 8.3693 | 0.0000 | 106.945 | 3.48274 | 0.00000 | 293879.9 | 66001.0 | 0.0 | U/P |
| 10.311 | 8.2693 | 0.0000 | 106.952 | 3.48491 | 0.00000 | 294545.5 | 66279.7 | 0.0 | U/P |
| 10.333 | 8.1977 | 0.0000 | 106.958 | 3.48704 | 0.00000 | 295204.2 | 66558.6 | 0.0 | U/P |
| 10.356 | 8.1460 | 0.0000 | 106.964 | 3.48913 | 0.00000 | 295857.9 | 66837.7 | 0.0 | U/P |
| 10.378 | 8.1085 | 0.0000 | 106.971 | 3.49120 | 0.00000 | 296508.1 | 67116.9 | 0.0 | U/P |
| 10.400 | 8.0813 | 0.0000 | 106.977 | 3.49324 | 0.00000 | 297155.7 | 67396.2 | 0.0 | U/P |
| 10.422 | 8.0618 | 0.0000 | 106.983 | 3.49527 | 0.00000 | 297801.4 | 67675.8 | 0.0 | U/P |
| 10.444 | 8.0476 | 0.0000 | 106.989 | 3.49730 | 0.00000 | 298445.8 | 67955.5 | 0.0 | U/P |
| 10.467 | 8.0369 | 0.0000 | 106.995 | 3.49931 | 0.00000 | 299089.2 | 68235.4 | 0.0 | U/P |
| 10.489 | 8.0288 | 0.0000 | 107.001 | 3.50131 | 0.00000 | 299731.8 | 68515.4 | 0.0 | U/P |
| 10.511 | 8.0234 | 0.0000 | 107.007 | 3.50332 | 0.00000 | 300373.9 | 68795.6 | 0.0 | U/P |
| 10.533 | 8.0325 | 0.0000 | 107.013 | 3.50534 | 0.00000 | 301016.1 | 69075.9 | 0.0 | U/P |
| 10.556 | 8.0699 | 0.0000 | 107.019 | 3.50736 | 0.00000 | 301660.2 | 69356.4 | 0.0 | U/P |
| 10.578 | 8.1516 | 0.0000 | 107.025 | 3.50939 | 0.00000 | 302309.1 | 69637.1 | 0.0 | U/P |
| 10.600 | 8.2680 | 0.0000 | 107.031 | 3.51146 | 0.00000 | 302965.8 | 69917.9 | 0.0 | U/P |
| 10.622 | 8.3942 | 0.0000 | 107.037 | 3.51357 | 0.00000 | 303632.3 | 70198.9 | 0.0 | U/P |
| 10.644 | 8.5123 | 0.0000 | 107.044 | 3.51574 | 0.00000 | 304308.6 | 70480.1 | 0.0 | U/P |
| 10.667 | 8.6118 | 0.0000 | 107.050 | 3.51796 | 0.00000 | 304993.6 | 70761.4 | 0.0 | U/P |
| 10.689 | 8.6839 | 0.0000 | 107.057 | 3.52021 | 0.00000 | 305685.4 | 71043.0 | 0.0 | U/P |
| 10.711 | 8.7341 | 0.0000 | 107.064 | 3.52250 | 0.00000 | 306382.1 | 71324.7 | 0.0 | U/P |
| 10.733 | 8.7701 | 0.0000 | 107.071 | 3.52480 | 0.00000 | 307082.3 | 71606.6 | 0.0 | U/P |
| 10.756 | 8.7967 | 0.0000 | 107.078 | 3.52712 | 0.00000 | 307784.9 | 71888.6 | 0.0 | U/P |
| 10.778 | 8.8157 | 0.0000 | 107.085 | 3.52945 | 0.00000 | 308489.4 | 72170.9 | 0.0 | U/P |
| 10.800 | 8.8294 | 0.0000 | 107.092 | 3.53179 | 0.00000 | 309195.3 | 72453.4 | 0.0 | U/P |
| 10.822 | 8.8393 | 0.0000 | 107.099 | 3.53413 | 0.00000 | 309902.0 | 72736.0 | 0.0 | U/P |
| 10.844 | 8.8464 | 0.0000 | 107.106 | 3.53647 | 0.00000 | 310609.4 | 73018.8 | 0.0 | U/P |
| 10.867 | 8.8516 | 0.0000 | 107.112 | 3.53881 | 0.00000 | 311317.3 | 73301.8 | 0.0 | U/P |
| 10.889 | 8.8553 | 0.0000 | 107.119 | 3.54116 | 0.00000 | 312025.6 | 73585.0 | 0.0 | U/P |
| 10.911 | 8.8581 | 0.0000 | 107.126 | 3.54350 | 0.00000 | 312734.2 | 73868.4 | 0.0 | U/P |
| 10.933 | 8.8600 | 0.0000 | 107.133 | 3.54584 | 0.00000 | 313442.9 | 74152.0 | 0.0 | U/P |
| 10.956 | 8.8615 | 0.0000 | 107.140 | 3.54818 | 0.00000 | 314151.8 | 74435.7 | 0.0 | U/P |
| 10.978 | 8.8626 | 0.0000 | 107.147 | 3.55051 | 0.00000 | 314860.7 | 74719.7 | 0.0 | U/P |
| 11.000 | 8.8429 | 0.0000 | 107.154 | 3.55284 | 0.00000 | 315568.9 | 75003.8 | 0.0 | U/P |
| 11.022 | 8.7434 | 0.0000 | 107.161 | 3.55516 | 0.00000 | 316272.4 | 75288.1 | 0.0 | U/P |
| 11.044 | 8.4953 | 0.0000 | 107.167 | 3.55742 | 0.00000 | 316961.9 | 75572.7 | 0.0 | U/P |
| 11.067 | 8.0641 | 0.0000 | 107.174 | 3.55956 | 0.00000 | 317624.3 | 75857.3 | 0.0 | U/P |
| 11.089 | 7.5200 | 0.0000 | 107.179 | 3.56153 | 0.00000 | 318247.7 | 76142.2 | 0.0 | U/P |
| 11.111 | 6.9648 | 0.0000 | 107.184 | 3.56326 | 0.00000 | 318827.1 | 76427.2 | 0.0 | U/P |
| 11.133 | 6.4658 | 0.0000 | 107.188 | 3.56475 | 0.00000 | 319364.3 | 76712.3 | 0.0 | U/P |
| 11.156 | 6.0667 | 0.0000 | 107.192 | 3.56604 | 0.00000 | 319865.6 | 76997.5 | 0.0 | U/P |
| 11.178 | 5.7825 | 0.0000 | 107.195 | 3.56714 | 0.00000 | 320339.6 | 77282.9 | 0.0 | U/P |
| 11.200 | 5.5830 | 0.0000 | 107.197 | 3.56812 | 0.00000 | 320794.2 | 77568.3 | 0.0 | U/P |
| 11.222 | 5.4385 | 0.0000 | 107.200 | 3.56901 | 0.00000 | 321235.0 | 77853.8 | 0.0 | U/P |
| 11.244 | 5.3329 | 0.0000 | 107.202 | 3.56983 | 0.00000 | 321665.9 | 78139.3 | 0.0 | U/P |
| 11.267 | 5.2573 | 0.0000 | 107.204 | 3.57060 | 0.00000 | 322089.5 | 78424.9 | 0.0 | U/P |
| 11.289 | 5.2025 | 0.0000 | 107.207 | 3.57134 | 0.00000 | 322507.9 | 78710.6 | 0.0 | U/P |
| 11.311 | 5.1632 | 0.0000 | 107.209 | 3.57206 | 0.00000 | 322922.5 | 78996.4 | 0.0 | U/P |
| 11.333 | 5.1350 | 0.0000 | 107.211 | 3.57275 | 0.00000 | 323334.4 | 79282.1 | 0.0 | U/P |
| 11.356 | 5.1144 | 0.0000 | 107.213 | 3.57344 | 0.00000 | 323744.4 | 79568.0 | 0.0 | U/P |
| 11.378 | 5.0996 | 0.0000 | 107.215 | 3.57411 | 0.00000 | 324153.0 | 79853.9 | 0.0 | U/P |
| 11.400 | 5.0888 | 0.0000 | 107.217 | 3.57478 | 0.00000 | 324560.5 | 80139.9 | 0.0 | U/P |
| 11.422 | 5.0811 | 0.0000 | 107.219 | 3.57544 | 0.00000 | 324967.3 | 80425.9 | 0.0 | U/P |
| 11.444 | 5.0754 | 0.0000 | 107.221 | 3.57610 | 0.00000 | 325373.6 | 80711.9 | 0.0 | U/P |
| 11.467 | 5.0710 | 0.0000 | 107.223 | 3.57675 | 0.00000 | 325779.4 | 80998.0 | 0.0 | U/P |
| 11.489 | 5.0679 | 0.0000 | 107.224 | 3.57740 | 0.00000 | 326185.0 | 81284.2 | 0.0 | U/P |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: Pond 7 - 100 Year 24 Hour Routing

| Elapsed Time (hours) | inflow Rate ( $\mathrm{f} 3 / \mathrm{s}$ ) | Outside Recharge (fidday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overfiow Discharge ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume $\left(\mathrm{ft}^{3}\right)$ | Cumulative Infiltration Volume $\left(\mathrm{ft}^{3}\right)$ | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 11.511 | 5.0639 | 0.0000 | 107.226 | 3.57805 | 0.00000 | 326590.3 | 81570.4 | 0.0 | U/P |
| 11.533 | 5.0555 | 0.0000 | 107.228 | 3.57870 | 0.00000 | 326995.0 | 81856.7 | 0.0 | U/P |
| 11.556 | 5.0382 | 0.0000 | 107.230 | 3.57934 | 0.00000 | 327398.8 | 82143.0 | 0.0 | U/P |
| 11.578 | 5.0115 | 0.0000 | 107.232 | 3.57998 | 0.00000 | 327800.8 | 82429.4 | 0.0 | U/P |
| 11.600 | 4.9806 | 0.0000 | 107.234 | 3.58060 | 0.00000 | 328200.4 | 82715.8 | 0.0 | U/P |
| 11.622 | 4.9506 | 0.0000 | 107.236 | 3.58121 | 0.00000 | 328597.7 | 83002.3 | 0.0 | U/P |
| 11.644 | 4.9244 | 0.0000 | 107.237 | 3.58181 | 0.00000 | 328992.7 | 83288.8 | 0.0 | U/P |
| 11.667 | 4.9045 | 0.0000 | 107.239 | 3.58239 | 0.00000 | 329385.8 | 83575.4 | 0.0 | U/P |
| 11.689 | 4.8904 | 0.0000 | 107.241 | 3.58297 | 0.00000 | 329777.6 | 83862.0 | 0.0 | U/P |
| 11.711 | 4.8805 | 0.0000 | 107.243 | 3.58354 | 0.00000 | 330168.5 | 84148.6 | 0.0 | U/P |
| 11.733 | 4.8732 | 0.0000 | 107.244 | 3.58411 | 0.00000 | 330558.6 | 84435.3 | 0.0 | U/P |
| 11.756 | 4.8680 | 0.0000 | 107.246 | 3.58467 | 0.00000 | 330948.3 | 84722.1 | 0.0 | U/P |
| 11.778 | 4.8642 | 0.0000 | 107.248 | 3.58523 | 0.00000 | 331337.6 | 85008.9 | 0.0 | U/P |
| 11.800 | 4.8615 | 0.0000 | 107.249 | 3.58578 | 0.00000 | 331726.6 | 85295.7 | 0.0 | U/P |
| 11.822 | 4.8595 | 0.0000 | 107.251 | 3.58634 | 0.00000 | 332115.4 | 85582.6 | 0.0 | U/P |
| 11.844 | 4.8581 | 0.0000 | 107.252 | 3.58689 | 0.00000 | 332504.1 | 85869.6 | 0.0 | U/P |
| 11.867 | 4.8571 | 0.0000 | 107.254 | 3.58744 | 0.00000 | 332892.7 | 86156.5 | 0.0 | U/P |
| 11.889 | 4.8563 | 0.0000 | 107.256 | 3.58800 | 0.00000 | 333281.3 | 86443.5 | 0.0 | U/P |
| 11.911 | 4.8558 | 0.0000 | 107.257 | 3.58855 | 0.00000 | 333669.8 | 86730.6 | 0.0 | U/P |
| 11.933 | 4.8554 | 0.0000 | 107.259 | 3.58910 | 0.00000 | 334058.2 | 87017.7 | 0.0 | U/P |
| 11.956 | 4.8551 | 0.0000 | 107.261 | 3.58965 | 0.00000 | 334446.6 | 87304.9 | 0.0 | U/P |
| 11.978 | 4.8549 | 0.0000 | 107.262 | 3.59020 | 0.00000 | 334835.0 | 87592.1 | 0.0 | U/P |
| 12.000 | 4.8548 | 0.0000 | 107.264 | 3.59075 | 0.00000 | 335223.4 | 87879.3 | 0.0 | U/P |
| 12.022 | 4.8579 | 0.0000 | 107.266 | 3.59130 | 0.00000 | 335611.9 | 88166.6 | 0.0 | U/P |
| 12.044 | 4.8676 | 0.0000 | 107.267 | 3.59185 | 0.00000 | 336000.9 | 88453.9 | 0.0 | U/P |
| 12.067 | 4.8885 | 0.0000 | 107.269 | 3.59241 | 0.00000 | 336391.2 | 88741.3 | 0.0 | U/P |
| 12.089 | 4.9179 | 0.0000 | 107.271 | 3.59297 | 0.00000 | 336783.4 | 89028.7 | 0.0 | U/P |
| 12.111 | 4.9495 | 0.0000 | 107.272 | 3.59355 | 0.00000 | 337178.1 | 89316.1 | 0.0 | U/P |
| 12.133 | 4.9789 | 0.0000 | 107.274 | 3.59413 | 0.00000 | 337575.3 | 89603.7 | 0.0 | U/P |
| 12.156 | 5.0035 | 0.0000 | 107.276 | 3.59474 | 0.00000 | 337974.6 | 89891.2 | 0.0 | U/P |
| 12.178 | 5.0212 | 0.0000 | 107.278 | 3.59535 | 0.00000 | 338375.6 | 90178.8 | 0.0 | U/P |
| 12.200 | 5.0336 | 0.0000 | 107.279 | 3.59596 | 0.00000 | 338777.8 | 90466.5 | 0.0 | U/P |
| 12.222 | 5.0424 | 0.0000 | 107.281 | 3.59659 | 0.00000 | 339180.8 | 90754.2 | 0.0 | U/P |
| 12.244 | 5.0490 | 0.0000 | 107.283 | 3.59721 | 0.00000 | 339584.4 | 91041.9 | 0.0 | U/P |
| 12.267 | 5.0536 | 0.0000 | 107.285 | 3.59784 | 0.00000 | 339988.6 | 91329.7 | 0.0 | U/P |
| 12.289 | 5.0570 | 0.0000 | 107.287 | 3.59848 | 0.00000 | 340393.0 | 91617.6 | 0.0 | U/P |
| 12.311 | 5.0594 | 0.0000 | 107.289 | 3.59911 | 0.00000 | 340797.6 | 91905.5 | 0.0 | U/P |
| 12.333 | 5.0612 | 0.0000 | 107.291 | 3.59974 | 0.00000 | 341202.5 | 92193.4 | 0.0 | U/P |
| 12.356 | 5.0625 | 0.0000 | 107.293 | 3.60037 | 0.00000 | 341607.4 | 92481.4 | 0.0 | U/P |
| 12.378 | 5.0634 | 0.0000 | 107.294 | 3.60101 | 0.00000 | 342012.4 | 92769.5 | 0.0 | U/P |
| 12.400 | 5.0640 | 0.0000 | 107.296 | 3.60164 | 0.00000 | 342417.5 | 93057.6 | 0.0 | U/P |
| 12.422 | 5.0645 | 0.0000 | 107.298 | 3.60228 | 0.00000 | 342822.7 | 93345.8 | 0.0 | U/P |
| 12.444 | 5.0649 | 0.0000 | 107.300 | 3.60291 | 0.00000 | 343227.8 | 93634.0 | 0.0 | U/P |
| 12.467 | 5.0652 | 0.0000 | 107.302 | 3.60354 | 0.00000 | 343633.1 | 93922.2 | 0.0 | U/P |
| 12.489 | 5.0654 | 0.0000 | 107.304 | 3.60418 | 0.00000 | 344038.3 | 94210.5 | 0.0 | U/P |
| 12.511 | 5.0645 | 0.0000 | 107.306 | 3.60481 | 0.00000 | 344443.5 | 94498.9 | 0.0 | U/P |
| 12.533 | 5.0593 | 0.0000 | 107.308 | 3.60544 | 0.00000 | 344848.4 | 94787.3 | 0.0 | U/P |
| 12.556 | 5.0459 | 0.0000 | 107.309 | 3.60607 | 0.00000 | 345252.6 | 95075.8 | 0.0 | U/P |
| 12.578 | 5.0223 | 0.0000 | 107.311 | 3.60669 | 0.00000 | 345655.3 | 95364.3 | 0.0 | U/P |
| 12.600 | 4.9922 | 0.0000 | 107.313 | 3.60730 | 0.00000 | 346055.9 | 95652.8 | 0.0 | U/P |
| 12.622 | 4.9613 | 0.0000 | 107.315 | 3.60790 | 0.00000 | 346454.1 | 95941.4 | 0.0 | U/P |
| 12.644 | 4.9334 | 0.0000 | 107.317 | 3.60849 | 0.00000 | 346849.8 | 96230.1 | 0.0 | U/P |
| 12.667 | 4.9109 | 0.0000 | 107.318 | 3.60906 | 0.00000 | 347243.6 | 96518.8 | 0.0 | U/P |
| 12.689 | 4.8949 | 0.0000 | 107.320 | 3.60962 | 0.00000 | 347635.8 | 96807.5 | 0.0 | U/P |
| 12.711 | 4.8837 | 0.0000 | 107.322 | 3.61018 | 0.00000 | 348027.0 | 97096.3 | 0.0 | U/P |
| 12.733 | 4.8756 | 0.0000 | 107.323 | 3.61073 | 0.00000 | 348417.4 | 97385.2 | 0.0 | U/P |
| 12.756 | 4.8697 | 0.0000 | 107.325 | 3.61128 | 0.00000 | 348807.2 | 97674.1 | 0.0 | U/P |
| 12.778 | 4.8654 | 0.0000 | 107.326 | 3.61182 | 0.00000 | 349196.6 | 97963.0 | 0.0 | U/P |
| 12.800 | 4.8624 | 0.0000 | 107.328 | 3.61236 | 0.00000 | 349585.7 | 98251.9 | 0.0 | U/P |
| 12.822 | 4.8601 | 0.0000 | 107.330 | 3.61290 | 0.00000 | 349974.6 | 98541.0 | 0.0 | U/P |
| 12.844 | 4.8586 | 0.0000 | 107.331 | 3.61344 | 0.00000 | 350363.3 | 98830.0 | 0.0 | U/P |
| 12.867 | 4.8574 | 0.0000 | 107.333 | 3.61398 | 0.00000 | 350752.0 | 99119.1 | 0.0 | U/P |
| 12.889 | 4.8566 | 0.0000 | 107.334 | 3.61452 | 0.00000 | 351140.6 | 99408.2 | 0.0 | U/P |
| 12.911 | 4.8560 | 0.0000 | 107.336 | 3.61505 | 0.00000 | 351529.1 | 99697.4 | 0.0 | U/P |
| 12.933 | 4.8556 | 0.0000 | 107.338 | 3.61559 | 0.00000 | 351917.5 | 99986.6 | 0.0 | U/P |
| 12.956 | 4.8552 | 0.0000 | 107.339 | 3.61612 | 0.00000 | 352305.9 | 100275.9 | 0.0 | U/P |
| 12.978 | 4.8550 | 0.0000 | 107.341 | 3.61666 | 0.00000 | 352694.3 | 100565.2 | 0.0 | U/P |
| 13.000 | 4.8548 | 0.0000 | 107.342 | 3.61719 | 0.00000 | 353082.8 | 100854.6 | 0.0 | U/P |
| 13.022 | 4.8405 | 0.0000 | 107.344 | 3.61772 | 0.00000 | 353470.6 | 101144.0 | 0.0 | U/P |
| 13.044 | 4.7886 | 0.0000 | 107.345 | 3.61825 | 0.00000 | 353855.7 | 101433.4 | 0.0 | U/P |
| 13.067 | 4.6703 | 0.0000 | 107.347 | 3.61875 | 0.00000 | 354234.1 | 101722.9 | 0.0 | U/P |
| 13.089 | 4.4859 | 0.0000 | 107.348 | 3.61919 | 0.00000 | 354600.3 | 102012.4 | 0.0 | U/P |
| 13.111 | 4.2699 | 0.0000 | 107.349 | 3.61956 | 0.00000 | 354950.6 | 102302.0 | 0.0 | U/P |
| 13.133 | 4.0584 | 0.0000 | 107.350 | 3.61984 | 0.00000 | 355283.7 | 102591.5 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: Pond 7 -100 Year / 24 Hour Routing

| Elapsed sime (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overlow <br> Discharge ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume $\left\langle\mathrm{ft}^{3}\right.$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 13.156 | 3.8736 | 0.0000 | 107.350 | 3.62004 | 0.00000 | 355601.0 | 102881.1 | 0.0 | U/P |
| 13.178 | 3.7321 | 0.0000 | 107.350 | 3.62015 | 0.00000 | 355905.2 | 103170.8 | 0.0 | U/P |
| 13.200 | 3.6321 | 0.0000 | 107.350 | 3.62020 | 0.00000 | 356199.8 | 103460.4 | 0.0 | U/P |
| 13.222 | 3.5613 | 0.0000 | 107.350 | 3.62021 | 0.00000 | 356487.5 | 103750.0 | 0.0 | U/P |
| 13.244 | 3.5097 | 0.0000 | 107.350 | 3.62019 | 0.00000 | 356770.3 | 104039.6 | 0.0 | U/P |
| 13.267 | 3.4723 | 0.0000 | 107.350 | 3.62014 | 0.00000 | 357049.6 | 104329.2 | 0.0 | U/P |
| 13.289 | 3.4454 | 0.0000 | 107.350 | 3.62008 | 0.00000 | 357326.3 | 104618.8 | 0.0 | U/P |
| 13.311 | 3.4260 | 0.0000 | 107.350 | 3.62000 | 0.00000 | 357601.2 | 104908.4 | 0.0 | U/P |
| 13.333 | 3.4121 | 0.0000 | 107.349 | 3.61992 | 0.00000 | 357874.7 | 105198.0 | 0.0 | U/P |
| 13.356 | 3.4020 | 0.0000 | 107.349 | 3.61983 | 0.00000 | 358147.3 | 105487.6 | 0.0 | U/P |
| 13.378 | 3.3947 | 0.0000 | 107.349 | 3.61974 | 0.00000 | 358419.2 | 105777.2 | 0.0 | U/P |
| 13.400 | 3.3894 | 0.0000 | 107.349 | 3.61964 | 0.00000 | 358690.5 | 106066.8 | 0.0 | U/P |
| 13.422 | 3.3856 | 0.0000 | 107.348 | 3.61954 | 0.00000 | 358961.5 | 106356.3 | 0.0 | U/P |
| 13.444 | 3.3829 | 0.0000 | 107.348 | 3.61944 | 0.00000 | 359232.3 | 106645.9 | 0.0 | U/P |
| 13.467 | 3.3808 | 0.0000 | 107.348 | 3.61934 | 0.00000 | 359502.8 | 106935.4 | 0.0 | U/P |
| 13.489 | 3.3792 | 0.0000 | 107.347 | 3.61924 | 0.00000 | 359773.2 | 107225.0 | 0.0 | U/P |
| 13.511 | 3.3781 | 0.0000 | 107.347 | 3.61913 | 0.00000 | 360043.5 | 107514.5 | 0.0 | U/P |
| 13.533 | 3.3768 | 0.0000 | 107.347 | 3.61903 | 0.00000 | 360313.7 | 107804.0 | 0.0 | U/P |
| 13.556 | 3.3742 | 0.0000 | 107.347 | 3.61892 | 0.00000 | 360583.7 | 108093.6 | 0.0 | U/P |
| 13.578 | 3.3691 | 0.0000 | 107.346 | 3.61882 | 0.00000 | 360853.5 | 108383.1 | 0.0 | U/P |
| 13.600 | 3.3618 | 0.0000 | 107.346 | 3.61871 | 0.00000 | 361122.7 | 108672.6 | 0.0 | U/P |
| 13.622 | 3.3538 | 0.0000 | 107.346 | 3.61860 | 0.00000 | 361391.3 | 108962.1 | 0.0 | U/P |
| 13.644 | 3.3464 | 0.0000 | 107.345 | 3.61849 | 0.00000 | 361659.3 | 109251.6 | 0.0 | U/P |
| 13.667 | 3.3401 | 0.0000 | 107.345 | 3.61837 | 0.00000 | 361926.8 | 109541.0 | 0.0 | U/P |
| 13.689 | 3.3356 | 0.0000 | 107.344 | 3.61825 | 0.00000 | 362193.8 | 109830.5 | 0.0 | U/P |
| 13.711 | 3.3324 | 0.0000 | 107.344 | 3.61813 | 0.00000 | 362460.5 | 110119.9 | 0.0 | U/P |
| 13.733 | 3.3302 | 0.0000 | 107.344 | 3.61800 | 0.00000 | 362727.0 | 110409.4 | 0.0 | U/P |
| 13.756 | 3.3285 | 0.0000 | 107.343 | 3.61788 | 0.00000 | 362993.4 | 110698.8 | 0.0 | U/P |
| 13.778 | 3.3273 | 0.0000 | 107.343 | 3.61775 | 0.00000 | 363259.6 | 110988.3 | 0.0 | U/P |
| 13.800 | 3.3265 | 0.0000 | 107.343 | 3.61763 | 0.00000 | 363525.8 | 111277.7 | 0.0 | U/P |
| 13.822 | 3.3258 | 0.0000 | 107.342 | 3.61750 | 0.00000 | 363791.9 | 111567.1 | 0.0 | U/P |
| 13.844 | 3.3254 | 0.0000 | 107.342 | 3.61738 | 0.00000 | 364057.9 | 111856.5 | 0.0 | U/P |
| 13.867 | 3.3251 | 0.0000 | 107.342 | 3.61725 | 0.00000 | 364323.9 | 112145.9 | 0.0 | U/P |
| 13.889 | 3.3248 | 0.0000 | 107.341 | 3.61713 | 0.00000 | 364589.9 | 112435.2 | 0.0 | U/P |
| 13.911 | 3.3247 | 0.0000 | 107.341 | 3.61700 | 0.00000 | 364855.9 | 112724.6 | 0.0 | U/P |
| 13.933 | 3.3245 | 0.0000 | 107.340 | 3.61687 | 0.00000 | 365121.9 | 113014.0 | 0.0 | U/P |
| 13.956 | 3.3245 | 0.0000 | 107.340 | 3.61675 | 0.00000 | 365387.8 | 113303.3 | 0.0 | U/P |
| 13.978 | 3.3244 | 0.0000 | 107.340 | 3.61662 | 0.00000 | 365653.8 | 113592.6 | 0.0 | U/P |
| 14.000 | 3.3132 | 0.0000 | 107.339 | 3.61649 | 0.00000 | 365919.3 | 113882.0 | 0.0 | U/P |
| 14.022 | 3.2590 | 0.0000 | 107.339 | 3.61636 | 0.00000 | 366182.2 | 114171.3 | 0.0 | U/P |
| 14.044 | 3.1245 | 0.0000 | 107.338 | 3.61620 | 0.00000 | 366437.5 | 114460.6 | 0.0 | U/P |
| 14.067 | 2.8909 | 0.0000 | 107.338 | 3.61597 | 0.00000 | 366678.2 | 114749.9 | 0.0 | U/P |
| 14.089 | 2.5962 | 0.0000 | 107.336 | 3.61565 | 0.00000 | 366897.6 | 115039.1 | 0.0 | U/P |
| 14.111 | 2.2955 | 0.0000 | 107.335 | 3.61521 | 0.00000 | 367093.3 | 115328.4 | 0.0 | U/P |
| 14.133 | 2.0252 | 0.0000 | 107.333 | 3.61465 | 0.00000 | 367266.1 | 115617.6 | 0.0 | U/P |
| 14.156 | 1.8090 | 0.0000 | 107.331 | 3.61397 | 0.00000 | 367419.5 | 115906.7 | 0.0 | U/P |
| 14.178 | 1.6552 | 0.0000 | 107.328 | 3.61319 | 0.00000 | 367558.1 | 116195.8 | 0.0 | U/P |
| 14.200 | 1.5471 | 0.0000 | 107.326 | 3.61235 | 0.00000 | 367686.2 | 116484.8 | 0.0 | U/P |
| 14.222 | 1.4688 | 0.0000 | 107.323 | 3.61146 | 0.00000 | 367806.8 | 116773.8 | 0.0 | U/P |
| 14.244 | 1.4116 | 0.0000 | 107.320 | 3.61054 | 0.00000 | 367922.0 | 117062.7 | 0.0 | U/P |
| 14.267 | 1.3707 | 0.0000 | 107.318 | 3.60959 | 0.00000 | 368033.3 | 117351.5 | 0.0 | U/P |
| 14.289 | 1.3410 | 0.0000 | 107.315 | 3.60862 | 0.00000 | 368141.8 | 117640.2 | 0.0 | U/P |
| 14.311 | 1.3197 | 0.0000 | 107.312 | 3.60764 | 0.00000 | 368248.2 | 117928.8 | 0.0 | U/P |
| 14.333 | 1.3044 | 0.0000 | 107.309 | 3.60665 | 0.00000 | 368353.2 | 118217.4 | 0.0 | U/P |
| 14.356 | 1.2933 | 0.0000 | 107.306 | 3.60566 | 0.00000 | 368457.1 | 118505.9 | 0.0 | U/P |
| 14.378 | \$. 2852 | 0.0000 | 107.303 | 3.60466 | 0.00000 | 368560.2 | 118794.3 | 0.0 | U/P |
| 14.400 | 1.2794 | 0.0000 | 107.300 | 3.60365 | 0.00000 | 368662.8 | 119082.6 | 0.0 | U/P |
| 14.422 | 1.2752 | 0.0000 | 107.297 | 3.60265 | 0.00000 | 368765.0 | 119370.9 | 0.0 | U/P |
| 14.444 | 1.2721 | 0.0000 | 107.294 | 3.60164 | 0.00000 | 368866.8 | 119659.1 | 0.0 | U/P |
| 14.467 | 1.2697 | 0.0000 | 107.291 | 3.60063 | 0.00000 | 368968.5 | 119947.2 | 0.0 | U/P |
| 14.489 | 1.2680 | 0.0000 | 107.288 | 3.59962 | 0.00000 | 369070.0 | 120235.2 | 0.0 | U/P |
| 14.511 | 1.2670 | 0.0000 | 107.285 | 3.59861 | 0.00000 | 369171.4 | 120523.1 | 0.0 | U/P |
| 14.533 | 1.2666 | 0.0000 | 107.282 | 3.59760 | 0.00000 | 369272.8 | 120811.0 | 0.0 | U/P |
| 14.556 | 1.2666 | 0.0000 | 107.279 | 3.59659 | 0.00000 | 369374.1 | 121098.7 | 0.0 | U/P |
| 14.578 | 1.2666 | 0.0000 | 107.276 | 3.59557 | 0.00000 | 369475.4 | 121386.4 | 0.0 | U/P |
| 14.600 | 1.2665 | 0.0000 | 107.273 | 3.59456 | 0.00000 | 369576.8 | 121674.0 | 0.0 | U/P |
| 14.622 | 1.2665 | 0.0000 | 107.270 | 3.59355 | 0.00000 | 369678.1 | 121961.5 | 0.0 | U/P |
| 14.644 | 1.2665 | 0.0000 | 107.267 | 3.59254 | 0.00000 | 369779.4 | 122249.0 | 0.0 | U/P |
| 14.667 | 1.2665 | 0.0000 | 107.264 | 3.59153 | 0.00000 | 369880.7 | 122536.3 | 0.0 | U/P |
| 14.689 | 1.2664 | 0.0000 | 107.261 | 3.59052 | 0.00000 | 369982.0 | 122823.6 | 0.0 | U/P |
| 14.711 | 1.2664 | 0.0000 | 107.258 | 3.58951 | 0.00000 | 370083.3 | 123110.8 | 0.0 | U/P |
| 14.733 | 1.2664 | 0.0000 | 107.255 | 3.58850 | 0.00000 | 370184.7 | 123397.9 | 0.0 | U/P |
| 14.756 | 1.2664 | 0.0000 | 107.252 | 3.58749 | 0.00000 | 370286.0 | 123685.0 | 0.0 | U/P |
| 14.778 | 1.2664 | 0.0000 | 107.249 | 3.58648 | 0.00000 | 370387.3 | 123971.9 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.

Detailed Results (cont, d.)
:. Scenario 1 :. Pond 7-100 Year/24 Hour Routing

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 14.800 | 1.2664 | 0.0000 | 107.246 | 3.58547 | 0.00000 | 370488.6 | 124258.8 | 0.0 | U/P |
| 14.822 | 1.2664 | 0.0000 | 107.243 | 3.58446 | 0.00000 | 370589.9 | 124545.6 | 0.0 | U/P |
| 14.844 | 1.2664 | 0.0000 | 107.240 | 3.58345 | 0.00000 | 370691.3 | 124832.3 | 0.0 | U/P |
| 14.867 | 1.2664 | 0.0000 | 107.237 | 3.58244 | 0.00000 | 370792.6 | 125119.0 | 0.0 | U/P |
| 14.889 | 1.2664 | 0.0000 | 107.234 | 3.58143 | 0.00000 | 370893.9 | 125405.5 | 0.0 | U/P |
| 14.911 | 1.2664 | 0.0000 | 107.231 | 3.58042 | 0.00000 | 370995.2 | 125692.0 | 0.0 | U/P |
| 14.933 | 1.2664 | 0.0000 | 107.228 | 3.57942 | 0.00000 | 371096.5 | 125978.4 | 0.0 | U/P |
| 14.956 | 1.2664 | 0.0000 | 107.225 | 3.57841 | 0.00000 | 371197.8 | 126264.7 | 0.0 | U/P |
| 14.978 | 1.2664 | 0.0000 | 107.222 | 3.57740 | 0.00000 | 371299.1 | 126550.9 | 0.0 | U/P |
| 15.000 | 1.2664 | 0.0000 | 107.219 | 3.57639 | 0.00000 | 371400.4 | 126837.1 | 0.0 | U/P |
| 15.022 | 1.2664 | 0.0000 | 107.216 | 3.57538 | 0.00000 | 371501.8 | 127123.2 | 0.0 | U/P |
| 15.044 | 1.2664 | 0.0000 | 107.213 | 3.57437 | 0.00000 | 371603.1 | 127409.1 | 0.0 | U/P |
| 15.067 | 1.2664 | 0.0000 | 107.210 | 3.57337 | 0.00000 | 371704.4 | 127695.1 | 0.0 | U/P |
| 15.089 | 1.2665 | 0.0000 | 107.207 | 3.57236 | 0.00000 | 371805.7 | 127980.9 | 0.0 | U/P |
| 15.111 | 1.2665 | 0.0000 | 107.204 | 3.57135 | 0.00000 | 371907.0 | 128266.6 | 0.0 | U/P |
| 15.133 | 1.2665 | 0.0000 | 107.201 | 3.57034 | 0.00000 | 372008.3 | 128552.3 | 0.0 | U/P |
| 15.156 | 1.2666 | 0.0000 | 107.198 | 3.56934 | 0.00000 | 372109.7 | 128837.9 | 0.0 | U/P |
| 15.178 | 1.2666 | 0.0000 | 107.195 | 3.56833 | 0.00000 | 372211.0 | 129123.4 | 0.0 | U/P |
| 15.200 | 1.2666 | 0.0000 | 107.192 | 3.56732 | 0.00000 | 372312.3 | 129408.8 | 0.0 | U/P |
| 15.222 | 1.2666 | 0.0000 | 107.189 | 3.56632 | 0.00000 | 372413.6 | 129694.2 | 0.0 | U/P |
| 15.244 | 1.2666 | 0.0000 | 107.186 | 3.56531 | 0.00000 | 372515.0 | 129979.4 | 0.0 | U/P |
| 15.267 | 1.2666 | 0.0000 | 107.183 | 3.56430 | 0.00000 | 372616.3 | 130264.6 | 0.0 | U/P |
| 15.289 | 1.2666 | 0.0000 | 107.180 | 3.56330 | 0.00000 | 372717.6 | 130549.7 | 0.0 | U/P |
| 15.311 | 1.2666 | 0.0000 | 107.177 | 3.56229 | 0.00000 | 372819.0 | 130834.8 | 0.0 | U/P |
| 15.333 | 1.2666 | 0.0000 | 107.174 | 3.56129 | 0.00000 | 372920.3 | 131119.7 | 0.0 | U/P |
| 15.356 | 1.2666 | 0.0000 | 107.171 | 3.56028 | 0.00000 | 373021.6 | 131404.5 | 0.0 | U/P |
| 15.378 | 1.2666 | 0.0000 | 107.168 | 3.55927 | 0.00000 | 373122.9 | 131689.3 | 0.0 | U/P |
| 15.400 | 1.2666 | 0.0000 | 107.165 | 3.55827 | 0.00000 | 373224.3 | 131974.0 | 0.0 | U/P |
| 15.422 | 1.2666 | 0.0000 | 107.162 | 3.55726 | 0.00000 | 373325.6 | 132258.7 | 0.0 | U/P |
| 15.444 | 1.2666 | 0.0000 | 107.159 | 3.55626 | 0.00000 | 373426.9 | 132543.2 | 0.0 | U/P |
| 15.467 | 1.2666 | 0.0000 | 107.156 | 3.55525 | 0.00000 | 373528.3 | 132827.7 | 0.0 | U/P |
| 15.489 | 1.2666 | 0.0000 | 107.153 | 3.55425 | 0.00000 | 373629.6 | 133112.0 | 0.0 | U/P |
| 15.511 | 1.2656 | 0.0000 | 107.150 | 3.55324 | 0.00000 | 373730.9 | 133396.3 | 0.0 | U/P |
| 15.533 | 1.2603 | 0.0000 | 107.147 | 3.55224 | 0.00000 | 373831.9 | 133680.6 | 0.0 | U/P |
| 15.556 | 1.2470 | 0.0000 | 107.144 | 3.55123 | 0.00000 | 373932.2 | 133964.7 | 0.0 | U/P |
| 15.578 | 1.2233 | 0.0000 | $\$ 07.141$ | 3.55022 | 0.00000 | 374031.0 | 134248.8 | 0.0 | U/P |
| 15.600 | 1.1932 | 0.0000 | 107.138 | 3.54919 | 0.00000 | 374127.7 | 134532.7 | 0.0 | U/P |
| 15.622 | 1.1622 | 0.0000 | 107.135 | 3.54816 | 0.00000 | 374221.9 | 134816.6 | 0.0 | U/P |
| 15.644 | 1.1343 | 0.0000 | 107.132 | 3.54711 | 0.00000 | 374313.8 | 135100.4 | 0.0 | U/P |
| 15.667 | 1.1118 | 0.0000 | 107.129 | 3.54605 | 0.00000 | 374403.6 | 135384.2 | 0.0 | U/P |
| 15.689 | 1.0958 | 0.0000 | 107.126 | 3.54498 | 0.00000 | 374491.9 | 135667.8 | 0.0 | U/P |
| 15.711 | 1.0846 | 0.0000 | 107.122 | 3.54390 | 0.00000 | 374579.1 | 135951.4 | 0.0 | U/P |
| 15.733 | 1.0764 | 0.0000 | 107.119 | 3.54282 | 0.00000 | 374665.6 | \$36234.8 | 0.0 | U/P |
| 15.756 | 1.0705 | 0.0000 | 107.116 | 3.54173 | 0.00000 | 374751.5 | 136518.2 | 0.0 | U/P |
| 15.778 | 1.0662 | 0.0000 | 107.113 | 3.54064 | 0.00000 | 374836.9 | 136801.5 | 0.0 | U/P |
| 15.800 | 1.0632 | 0.0000 | 107.110 | 3.53955 | 0.00000 | 374922.1 | 137084.7 | 0.0 | U/P |
| 15.822 | 1.0609 | 0.0000 | 107.106 | 3.53846 | 0.00000 | 375007.1 | 137367.8 | 0.0 | U/P |
| 15.844 | 1.0594 | 0.0000 | 107.103 | 3.53736 | 0.00000 | 375091.9 | 137650.9 | 0.0 | U/P |
| 15.867 | 1.0582 | 0.0000 | 107.100 | 3.53627 | 0.00000 | 375176.6 | 137933.8 | 0.0 | U/P |
| 15.889 | 1.0574 | 0.0000 | 107.097 | 3.53518 | 0.00000 | 375261.2 | 138216.7 | 0.0 | U/P |
| 15.911 | 1.0568 | 0.0000 | 107.093 | 3.53408 | 0.00000 | 375345.8 | 138499.4 | 0.0 | U/P |
| 15.933 | 1.0563 | 0.0000 | 107.090 | 3.53299 | 0.00000 | 375430.3 | 138782.1 | 0.0 | U/P |
| 15.956 | 1.0560 | 0.0000 | 107.087 | 3.53190 | 0.00000 | 375514.8 | 139064.7 | 0.0 | U/P |
| 15.978 | 1.0558 | 0.0000 | 107.084 | 3.53080 | 0.00000 | 375599.3 | 139347.2 | 0.0 | U/P |
| 16.000 | 1.0556 | 0.0000 | 107.080 | 3.52971 | 0.00000 | 375683.7 | 139629.6 | 0.0 | U/P |
| 16.022 | 1.0534 | 0.0000 | 107.077 | 3.52861 | 0.00000 | 375768.1 | 139912.0 | 0.0 | U/P |
| 16.044 | 1.0460 | 0.0000 | 107.074 | 3.52752 | 0.00000 | 375852.0 | 140194.2 | 0.0 | U/P |
| 16.067 | 1.0291 | 0.0000 | 107.071 | 3.52642 | 0.00000 | 375935.0 | 140476.4 | 0.0 | U/P |
| 16.089 | 1.0027 | 0.0000 | 107.067 | 3.52531 | 0.00000 | 376016.3 | 140758.5 | 0.0 | U/P |
| 16.111 | 0.9718 | 0.0000 | 107.064 | 3.52419 | 0.00000 | 376095.3 | 141040.4 | 0.0 | U/P |
| 16.133 | 0.9416 | 0.0000 | 107.061 | 3.52306 | 0.00000 | 376171.8 | 141322.3 | 0.0 | U/P |
| 16.156 | 0.9152 | 0.0000 | 107.057 | 3.52192 | 0.00000 | 376246.1 | \$41604.1 | 0.0 | U/P |
| 16.178 | 0.8949 | 0.0000 | 107.054 | 3.52077 | 0.00000 | 376318.5 | 141885.8 | 0.0 | U/P |
| 16.200 | 0.8806 | 0.0000 | 107.050 | 3.51960 | 0.00000 | 376389.5 | 142167.4 | 0.0 | U/P |
| 16.222 | 0.8705 | 0.0000 | 107.047 | 3.51843 | 0.00000 | 376459.6 | 142449.0 | 0.0 | U/P |
| 16.244 | 0.8631 | 0.0000 | 107.043 | 3.51726 | 0.00000 | 376528.9 | 142730.4 | 0.0 | U/P |
| 16.267 | 0.8578 | 0.0000 | 107.040 | 3.51608 | 0.00000 | 376597.8 | 143011.7 | 0.0 | U/P |
| 16.289 | 0.8539 | 0.0000 | 107.036 | 3.51490 | 0.00000 | 376666.2 | 143293.0 | 0.0 | U/P |
| 16.311 | 0.8512 | 0.0000 | 107.033 | 3.51372 | 0.00000 | 376734.4 | 143574.1 | 0.0 | U/P |
| 16.333 | 0.8492 | 0.0000 | 107.029 | 3.51254 | 0.00000 | 376802.4 | 143855.2 | 0.0 | U/P |
| 16.356 | 0.8477 | 0.0000 | 107.026 | 3.51135 | 0.00000 | 376870.3 | 144136.1 | 0.0 | U/P |
| 16.378 | 0.8467 | 0.0000 | 107.022 | 3.51017 | 0.00000 | 376938.1 | 144417.0 | 0.0 | U/P |
| 16.400 | 0.8459 | 0.0000 | 107.019 | 3.50898 | 0.00000 | 377005.8 | 144697.8 | 0.0 | U/P |
| 16.422 | 0.8454 | 0.0000 | 107.015 | 3.50780 | 0.00000 | 377073.4 | 144978.4 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 7 - 100 Year / 24 Hour Routing

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (H/day) | Stage Elevation ( 4 datum) | Infiltration Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Overflow Discharge (ft ${ }^{3} / \mathrm{s}$ ) | Cumulative inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 16.444 | 0.8450 | 0.0000 | 107.012 | 3.50662 | 0.00000 | 377141.1 | 145259.0 | 0.0 | U/P |
| 16.467 | 0.8447 | 0.0000 | 107.008 | 3.50543 | 0.00000 | 377208.7 | 145539.5 | 0.0 | U/P |
| 16.489 | 0.8445 | 0.0000 | 107.005 | 3.50425 | 0.00000 | 377276.2 | 145819.9 | 0.0 | U/P |
| 16.511 | 0.8443 | 0.0000 | 107.001 | 3.50306 | 0.00000 | 377343.8 | 146100.2 | 0.0 | U/P |
| 16.533 | 0.8480 | 0.0000 | 106.998 | 3.50188 | 0.00000 | 377411.5 | 146380.3 | 0.0 | U/P |
| 16.556 | 0.8599 | 0.0000 | 106.994 | 3.50071 | 0.00000 | 377479.8 | 146660.5 | 0.0 | U/P |
| 16.578 | 0.8855 | 0.0000 | 106.991 | 3.49954 | 0.00000 | 377549.6 | 146940.5 | 0.0 | U/P |
| 16.600 | 0.9219 | 0.0000 | 106.987 | 3.49839 | 0.00000 | 377621.9 | 147220.4 | 0.0 | U/P |
| 16.622 | 0.9614 | 0.0000 | 106.984 | 3.49725 | 0.00000 | 377697.2 | 147500.2 | 0.0 | U/P |
| 16.644 | 0.9983 | 0.0000 | 106.981 | 3.49613 | 0.00000 | 377775.6 | 147779.9 | 0.0 | U/P |
| 16.667 | 1.0294 | 0.0000 | 106.977 | 3.49502 | 0.00000 | 377856.7 | 148059.6 | 0.0 | U/P |
| 16.689 | 1.0519 | 0.0000 | 106.974 | 3.49393 | 0.00000 | 377940.0 | 148339.1 | 0.0 | U/P |
| 16.711 | 1.0676 | 0.0000 | 106.971 | 3.49285 | 0.00000 | 378024.8 | 148618.6 | 0.0 | U/P |
| 16.733 | 1.0789 | 0.0000 | 106.968 | 3.49177 | 0.00000 | 378110.6 | 148898.0 | 0.0 | U/P |
| 16.756 | 1.0872 | 0.0000 | 106.964 | 3.49070 | 0.00000 | 378197.3 | 149177.3 | 0.0 | U/P |
| 16.778 | 1.0931 | 0.0000 | 106.961 | 3.48964 | 0.00000 | 378284.5 | 149456.5 | 0.0 | U/P |
| 16.800 | 1.0974 | 0.0000 | 106.958 | 3.48857 | 0.00000 | 378372.1 | 149735.6 | 0.0 | U/P |
| 16.822 | 1.1005 | 0.0000 | 106.955 | 3.48751 | 0.00000 | 378460.0 | 150014.7 | 0.0 | U/P |
| 16.844 | 1.1027 | 0.0000 | 106.952 | 3.48645 | 0.00000 | 378548.1 | 150293.6 | 0.0 | U/P |
| 16.867 | 1.1043 | 0.0000 | 106.949 | 3.48539 | 0.00000 | 378636.4 | 150572.5 | 0.0 | U/P |
| 16.889 | 1.1055 | 0.0000 | 106.945 | 3.48434 | 0.00000 | 378724.8 | 150851.3 | 0.0 | U/P |
| 16.911 | \$.1063 | 0.0000 | 106.942 | 3.48328 | 0.00000 | 378813.3 | 151130.0 | 0.0 | U/P |
| 16.933 | 1.1069 | 0.0000 | 106.939 | 3.48223 | 0.00000 | 378901.8 | 151408.6 | 0.0 | U/P |
| 16.956 | 1.1074 | 0.0000 | 106.936 | 3.48117 | 0.00000 | 378990.4 | 151687.2 | 0.0 | U/P |
| 16.978 | 1.1077 | 0.0000 | 106.933 | 3.48012 | 0.00000 | 379079.0 | 151965.6 | 0.0 | U/P |
| 17.000 | 1.1088 | 0.0000 | 106.930 | 3.47906 | 0.00000 | 379167.7 | 152244.0 | 0.0 | U/P |
| 17.022 | 1.1131 | 0.0000 | 106.926 | 3.47801 | 0.00000 | 379256.5 | 152522.3 | 0.0 | U/P |
| 17.044 | 1.1236 | 0.0000 | 106.923 | 3.47696 | 0.00000 | 379346.0 | 152800.5 | 0.0 | U/P |
| 17.067 | 1.1416 | 0.0000 | 106.920 | 3.47591 | 0.00000 | 379436.6 | 153078.6 | 0.0 | U/P |
| 17.089 | 1.1643 | 0.0000 | 106.917 | 3.47487 | 0.00000 | 379528.8 | 153356.6 | 0.0 | U/P |
| 17.111 | 1.1874 | 0.0000 | 106.914 | 3.47384 | 0.00000 | 379622.9 | 153634.6 | 0.0 | U/P |
| 17.133 | 1.2082 | 0.0000 | 106.911 | 3.47282 | 0.00000 | 379718.7 | 153912.4 | 0.0 | U/P |
| 17.156 | 1.2249 | 0.0000 | 106.908 | 3.47181 | 0.00000 | 379816.1 | 154190.2 | 0.0 | U/P |
| 17.178 | 1.2367 | 0.0000 | 106.905 | 3.47081 | 0.00000 | 379914.5 | 154467.9 | 0.0 | U/P |
| 17.200 | 1.2451 | 0.0000 | 106.902 | 3.46982 | 0.00000 | 380013.8 | 154745.5 | 0.0 | U/P |
| 17.222 | 1.2511 | 0.0000 | 106.899 | 3.46882 | 0.00000 | 380113.6 | 155023.1 | 0.0 | U/P |
| 17.244 | 1.2555 | 0.0000 | 106.896 | 3.46783 | 0.00000 | 380213.9 | 155300.5 | 0.0 | U/P |
| 17.267 | 1.2586 | 0.0000 | 106.893 | 3.46685 | 0.00000 | 380314.5 | 155577.9 | 0.0 | U/P |
| 17.289 | 1.2609 | 0.0000 | 106.890 | 3.46586 | 0.00000 | 380415.3 | 155855.3 | 0.0 | U/P |
| 17.311 | 1.2626 | 0.0000 | 106.887 | 3.46488 | 0.00000 | 380516.2 | 156132.5 | 0.0 | U/P |
| 17.333 | 1.2638 | 0.0000 | 106.884 | 3.46389 | 0.00000 | 380617.3 | 156409.6 | 0.0 | U/P |
| 17.356 | 1.2646 | 0.0000 | 106.881 | 3.46291 | 0.00000 | 380718.4 | 156686.7 | 0.0 | U/P |
| 17.378 | 1.2652 | 0.0000 | 106.878 | 3.46193 | 0.00000 | 380819.6 | 156963.7 | 0.0 | U/P |
| 17.400 | 1.2657 | 0.0000 | 106.875 | 3.46095 | 0.00000 | 380920.8 | 157240.6 | 0.0 | U/P |
| 17.422 | 1.2660 | 0.0000 | 106.873 | 3.45997 | 0.00000 | 381022.1 | 157517.4 | 0.0 | U/P |
| 17.444 | 1.2662 | 0.0000 | 106.870 | 3.45898 | 0.00000 | 381123.4 | 157794.2 | 0.0 | U/P |
| 17.467 | 1.2664 | 0.0000 | 106.867 | 3.45800 | 0.00000 | 381224.7 | 158070.9 | 0.0 | U/P |
| 17.489 | 1.2666 | 0.0000 | 106.864 | 3.45702 | 0.00000 | 381326.0 | 158347.5 | 0.0 | U/P |
| 17.511 | 1.2645 | 0.0000 | 106.861 | 3.45604 | 0.00000 | 381427.2 | 158624.0 | 0.0 | U/P |
| 17.533 | 1.2568 | 0.0000 | 106.858 | 3.45506 | 0.00000 | 381528.1 | 158900.5 | 0.0 | U/P |
| 17.556 | 1.2395 | 0.0000 | 106.855 | 3.45408 | 0.00000 | 381627.9 | 159176.8 | 0.0 | U/P |
| 17.578 | 1.2128 | 0.0000 | 106.852 | 3.45308 | 0.00000 | 381726.0 | 159453.1 | 0.0 | U/P |
| 17.600 | 1.1818 | 0.0000 | 106.849 | 3.45208 | 0.00000 | 381821.8 | 159729.3 | 0.0 | U/P |
| 17.622 | 1.1516 | 0.0000 | 106.846 | 3.45106 | 0.00000 | 381915.2 | 160005.4 | 0.0 | U/P |
| 17.644 | 1.1254 | 0.0000 | 106.843 | 3.45003 | 0.00000 | 382006.2 | 160281.5 | 0.0 | U/P |
| 17.667 | 1.1054 | 0.0000 | 106.840 | 3.44899 | 0.00000 | 382095.5 | 160557.4 | 0.0 | U/P |
| 17.689 | 1.0914 | 0.0000 | 106.836 | 3.44794 | 0.00000 | 382183.3 | 160833.3 | 0.0 | U/P |
| 17.711 | 1.0814 | 0.0000 | 106.833 | 3.44688 | 0.00000 | 382270.3 | 161109.1 | 0.0 | U/P |
| 17.733 | 1.0741 | 0.0000 | 106.830 | 3.44582 | 0.00000 | 382356.5 | 161384.8 | 0.0 | U/P |
| 17.756 | 1.0688 | 0.0000 | 106.827 | 3.44475 | 0.00000 | 382442.2 | 161660.4 | 0.0 | U/P |
| 17.778 | 1.0650 | 0.0000 | 106.824 | 3.44369 | 0.00000 | 382527.5 | 161936.0 | 0.0 | U/P |
| 17.800 | 1.0623 | 0.0000 | 106.820 | 3.44262 | 0.00000 | 382612.6 | 162211.4 | 0.0 | U/P |
| 17.822 | 1.0603 | 0.0000 | 106.817 | 3.44155 | 0.00000 | 382697.5 | 162486.8 | 0.0 | U/P |
| 17.844 | 1.0589 | 0.0000 | 106.814 | 3.44048 | 0.00000 | 382782.3 | 162762.1 | 0.0 | U/P |
| 17.867 | 1.0579 | 0.0000 | 106.811 | 3.43941 | 0.00000 | 382867.0 | 163037.3 | 0.0 | U/P |
| 17.889 | 1.0571 | 0.0000 | 106.808 | 3.43834 | 0.00000 | 382951.6 | 163312.4 | 0.0 | U/P |
| 17.911 | 1.0566 | 0.0000 | 106.804 | 3.43726 | 0.00000 | 383036.1 | 163587.4 | 0.0 | U/P |
| 17.933 | 1.0562 | 0.0000 | 106.801 | 3.43619 | 0.00000 | 383120.6 | 163862.3 | 0.0 | U/P |
| 17.956 | 1.0559 | 0.0000 | 106.798 | 3.43512 | 0.00000 | 383205.1 | 164137.2 | 0.0 | U/P |
| 17.978 | 1.0557 | 0.0000 | 106.795 | 3.43405 | 0.00000 | 383289.6 | 164412.0 | 0.0 | U/P |
| 18.000 | 1.0555 | 0.0000 | 106.792 | 3.43298 | 0.00000 | 383374.0 | 164686.6 | 0.0 | U/P |
| 18.022 | 1.0523 | 0.0000 | 106.788 | 3.43191 | 0.00000 | 383458.3 | 164961.2 | 0.0 | U/P |
| 18.044 | 1.0425 | 0.0000 | 106.785 | 3.43083 | 0.00000 | 383542.1 | 165235.8 | 0.0 | U/P |
| 18.067 | 1.0216 | 0.0000 | 106.782 | 3.42975 | 0.00000 | 383624.7 | 165510.2 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 7-100 Year / 24 Hour Routing

| Elapsed Time (hours) | Infiow Rate ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Outside Recharge ( $\mathrm{f} / \mathrm{d}$ day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{Hl}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 18.089 | 0.9921 | 0.0000 | 106.779 | 3.42867 | 0.00000 | 383705.3 | 165784.5 | 0.0 | U/P |
| 18.111 | 0.9604 | 0.0000 | 106.775 | 3.42757 | 0.00000 | 383783.3 | 166058.8 | 0.0 | U/P |
| 18.133 | 0.9310 | 0.0000 | 106.772 | 3.42645 | 0.00000 | 383859.0 | 166332.9 | 0.0 | U/P |
| 18.156 | 0.9063 | 0.0000 | 106.769 | 3.42533 | 0.00000 | 383932.5 | 166607.0 | 0.0 | U/P |
| 18.178 | 0.8886 | 0.0000 | 106.765 | 3.42419 | 0.00000 | 384004.3 | 166881.0 | 0.0 | U/P |
| 18.200 | 0.8762 | 0.0000 | 106.762 | 3.42305 | 0.00000 | 384074.9 | 167154.9 | 0.0 | U/P |
| 18.222 | 0.8673 | 0.0000 | 106.758 | 3.42190 | 0.00000 | 384144.6 | 167428.7 | 0.0 | U/P |
| 18.244 | 0.8608 | 0.0000 | 106.755 | 3.42074 | 0.00000 | 384213.8 | 167702.4 | 0.0 | U/P |
| 18.267 | 0.8561 | 0.0000 | 106.751 | 3.41958 | 0.00000 | 384282.4 | 167976.0 | 0.0 | U/P |
| 18.289 | 0.8527 | 0.0000 | 106.748 | 3.41842 | 0.00000 | 384350.8 | 168249.5 | 0.0 | U/P |
| 18.311 | 0.8503 | 0.0000 | 106.744 | 3.41726 | 0.00000 | 384418.9 | 168522.9 | 0.0 | U/P |
| 18.333 | 0.8486 | 0.0000 | 106.741 | 3.41610 | 0.00000 | 384486.8 | 168796.3 | 0.0 | U/P |
| 18.356 | 0.8473 | 0.0000 | 106.737 | 3.41494 | 0.00000 | 384554.7 | 169069.5 | 0.0 | U/P |
| 18.378 | 0.8464 | 0.0000 | 106.734 | 3.41377 | 0.00000 | 384622.4 | 169342.7 | 0.0 | U/P |
| 18.400 | 0.8457 | 0.0000 | 106.731 | 3.41261 | 0.00000 | 384690.1 | 169615.7 | 0.0 | U/P |
| 18.422 | 0.8452 | 0.0000 | 106.727 | 3.41145 | 0.00000 | 384757.8 | 169888.7 | 0.0 | U/P |
| 18.444 | 0.8449 | 0.0000 | 106.724 | 3.41028 | 0.00000 | 384825.3 | 170161.5 | 0.0 | U/P |
| 18.467 | 0.8446 | 0.0000 | 106.720 | 3.40912 | 0.00000 | 384892.9 | 170434.3 | 0.0 | U/P |
| 18.489 | 0.8444 | 0.0000 | 106.717 | 3.40795 | 0.00000 | 384960.5 | 170707.0 | 0.0 | U/P |
| 18.511 | 0.8453 | 0.0000 | 106.713 | 3.40679 | 0.00000 | 385028.1 | 170979.6 | 0.0 | U/P |
| 18.533 | 0.8505 | 0.0000 | 106.710 | 3.40563 | 0.00000 | 385095.9 | 171252.1 | 0.0 | U/P |
| 18.556 | 0.8639 | 0.0000 | 106.706 | 3.40447 | 0.00000 | 385164.5 | 171524.5 | 0.0 | U/P |
| 18.578 | 0.8875 | 0.0000 | 106.703 | 3.40331 | 0.00000 | 385234.6 | 171796.8 | 0.0 | U/P |
| 18.600 | 0.9177 | 0.0000 | 106.699 | 3.40217 | 0.00000 | 385306.8 | 172069.0 | 0.0 | U/P |
| 18.622 | 0.9487 | 0.0000 | 106.696 | 3.40104 | 0.00000 | 385381.4 | 172341.1 | 0.0 | U/P |
| 18.644 | 0.9766 | 0.0000 | 106.693 | 3.39993 | 0.00000 | 385458.4 | 172613.2 | 0.0 | U/P |
| 18.667 | 0.9991 | 0.0000 | 106.689 | 3.39882 | 0.00000 | 385537.4 | 172885.1 | 0.0 | U/P |
| 18.689 | 1.0151 | 0.0000 | 106.686 | 3.39773 | 0.00000 | 385618.0 | 173157.0 | 0.0 | U/P |
| 18.711 | 1.0263 | 0.0000 | 106.683 | 3.39664 | 0.00000 | 385699.7 | 173428.8 | 0.0 | U/P |
| 18.733 | 1.0344 | 0.0000 | 106.680 | 3.39556 | 0.00000 | 385782,1 | 173700.5 | 0.0 | U/P |
| 18.756 | 1.0404 | 0.0000 | 106.676 | 3.39449 | 0.00000 | 385865.1 | 173972.1 | 0.0 | U/P |
| 18.778 | 1.0446 | 0.0000 | 106.673 | 3.39341 | 0.00000 | 385948.5 | 174243.6 | 0.0 | U/P |
| 18.800 | 1.0477 | 0.0000 | 106.670 | 3.39234 | 0.00000 | 386032.2 | 174515.0 | 0.0 | U/P |
| 18.822 | 1.0499 | 0.0000 | 106.667 | 3.39127 | 0.00000 | 386116.1 | 174786.3 | 0.0 | U/P |
| 18.844 | 1.0515 | 0.0000 | 106.664 | 3.39021 | 0.00000 | 386200.2 | 175057.6 | 0.0 | U/P |
| 18.867 | 1.0527 | 0.0000 | 106.660 | 3.38914 | 0.00000 | 386284.3 | 175328.8 | 0.0 | U/P |
| 18.889 | 1.0535 | 0.0000 | 106.657 | 3.38807 | 0.00000 | 386368.6 | 175599.9 | 0.0 | U/P |
| 18.911 | 1.0541 | 0.0000 | 106.654 | 3.38701 | 0.00000 | 386452.9 | 175870.9 | 0.0 | U/P |
| 18.933 | 1.0546 | 0.0000 | 106.651 | 3.38594 | 0.00000 | 386537.2 | 176141.8 | 0.0 | U/P |
| 18.956 | 1.0549 | 0.0000 | 106.648 | 3.38487 | 0.00000 | 386621.6 | 176412.6 | 0.0 | U/P |
| 18.978 | 1.0551 | 0.0000 | 106.644 | 3.38381 | 0.00000 | 386706.0 | 176683.4 | 0.0 | U/P |
| 19.000 | 1.0553 | 0.0000 | 106.641 | 3.38274 | 0.00000 | 386790.4 | 176954.0 | 0.0 | U/P |
| 19.022 | 1.0514 | 0.0000 | 106.638 | 3.38168 | 0.00000 | 386874.7 | 177224.6 | 0.0 | U/P |
| 19.044 | 1.0366 | 0.0000 | 106.635 | 3.38061 | 0.00000 | 386958.2 | 177495.1 | 0.0 | U/P |
| 19.067 | 1.0028 | 0.0000 | 106.632 | 3.37954 | 0.00000 | 387039.8 | 177765.5 | 0.0 | U/P |
| 19.089 | 0.9500 | 0.0000 | 106.628 | 3.37845 | 0.00000 | 387117.9 | 178035.8 | 0.0 | U/P |
| 19.111 | 0.8883 | 0.0000 | 106.625 | 3.37733 | 0.00000 | 387191.4 | \$78306.1 | 0.0 | U/P |
| 19.133 | 0.8279 | 0.0000 | 106.622 | 3.37619 | 0.00000 | 387260.1 | 178576.2 | 0.0 | U/P |
| 19.156 | 0.7751 | 0.0000 | 106.618 | 3.37503 | 0.00000 | 387324.2 | 178846.3 | 0.0 | U/P |
| 19.178 | 0.7346 | 0.0000 | 106.614 | 3.37384 | 0.00000 | 387384.6 | 179116.2 | 0.0 | U/P |
| 19.200 | 0.7060 | 0.0000 | 106.611 | 3.37263 | 0.00000 | 387442.2 | 179386.1 | 0.0 | U/P |
| 19.222 | 0.6858 | 0.0000 | 106.607 | 3.37140 | 0.00000 | 387497.9 | 179655.8 | 0.0 | U/P |
| 19.244 | 0.6710 | 0.0000 | 106.603 | 3.37017 | 0.00000 | 387552.1 | 179925.5 | 0.0 | U/P |
| 19.267 | 0.6604 | 0.0000 | 106.600 | 3.36893 | 0.00000 | 387605.4 | 180195.0 | 0.0 | U/P |
| 19.289 | 0.6527 | 0.0000 | 106.596 | 3.36769 | 0.00000 | 387657.9 | 180464.5 | 0.0 | U/P |
| 19.311 | 0.6471 | 0.0000 | 106.592 | 3.36644 | 0.00000 | 387709.9 | 180733.9 | 0.0 | U/P |
| 19.333 | 0.6431 | 0.0000 | 106.589 | 3.36519 | 0.00000 | 387761.5 | 181003.2 | 0.0 | U/P |
| 19.356 | 0.6403 | 0.0000 | 106.585 | 3.36394 | 0.00000 | 387812.8 | 181272.3 | 0.0 | U/P |
| 19.378 | 0.6382 | 0.0000 | 106.581 | 3.36269 | 0.00000 | 387864.0 | 181541.4 | 0.0 | U/P |
| 19.400 | 0.6367 | 0.0000 | 106.577 | 3.36144 | 0.00000 | 387915.0 | 181810.3 | 0.0 | U/P |
| 19.422 | 0.6356 | 0.0000 | 106.573 | 3.36018 | 0.00000 | 387965.9 | 182079.2 | 0.0 | U/P |
| 19.444 | 0.6348 | 0.0000 | 106.570 | 3.35893 | 0.00000 | 388016.7 | 182348.0 | 0.0 | U/P |
| 19.467 | 0.6342 | 0.0000 | 106.566 | 3.35767 | 0.00000 | 388067.5 | 182616.6 | 0.0 | U/P |
| 19.489 | 0.6337 | 0.0000 | 106.562 | 3.35642 | 0.00000 | 388118.2 | 182885.2 | 0.0 | U/P |
| 19.511 | 0.6334 | 0.0000 | 106.558 | 3.35516 | 0.00000 | 388168.8 | 183153.7 | 0.0 | U/P |
| 19.533 | 0.6369 | 0.0000 | 106.555 | 3.35391 | 0.00000 | 388219.7 | 183422.0 | 0.0 | U/P |
| 19.556 | 0.6483 | 0.0000 | 106.551 | 3.35266 | 0.00000 | 388271.1 | 183690.3 | 0.0 | U/P |
| 19.578 | 0.6729 | 0.0000 | 106.547 | 3.35141 | 0.00000 | 388323.9 | 183958.5 | 0.0 | U/P |
| 19.600 | 0.7078 | 0.0000 | 106.544 | 3.35017 | 0.00000 | 388379.2 | 184226.5 | 0.0 | U/P |
| 19.622 | 0.7457 | 0.0000 | 106.540 | 3.34895 | 0.00000 | 388437.3 | 184494.5 | 0.0 | U/P |
| 19.644 | 0.7812 | 0.0000 | 106.536 | 3.34775 | 0.00000 | 388498.4 | 184762.3 | 0.0 | U/P |
| 19.667 | 0.8110 | 0.0000 | 106.533 | 3.34656 | 0.00000 | 388562.1 | \$85030.1 | 0.0 | U/P |
| 19.689 | 0.8326 | 0.0000 | 106.529 | 3.34539 | 0.00000 | 388627.8 | 185297.8 | 0.0 | U/P |
| 19.711 | 0.8477 | 0.0000 | 106.526 | 3.34423 | 0.00000 | 388695.0 | 185565.4 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: Pond 7 - 100 Year / 24 Hour Routing

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{1 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Votume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 19.733 | 0.8585 | 0.0000 | 106.522 | 3.34307 | 0.00000 | 388763.3 | 185832.9 | 0.0 | U/P |
| 19.756 | 0.8665 | 0.0000 | 106.519 | 3.34192 | 0.00000 | 388832.3 | 186100.3 | 0.0 | U/P |
| 19.778 | 0.8722 | 0.0000 | 106.516 | 3.34078 | 0.00000 | 388901.8 | 186367.6 | 0.0 | U/P |
| 19.800 | 0.8763 | 0.0000 | 106.512 | 3.33963 | 0.00000 | 388971.8 | 186634.8 | 0.0 | U/P |
| 19.822 | 0.8793 | 0.0000 | 106.509 | 3.33849 | 0.00000 | 389042.0 | 186901.9 | 0.0 | U/P |
| 19.844 | 0.8814 | 0.0000 | 106.505 | 3.33735 | 0.00000 | 389112.4 | 187169.0 | 0.0 | U/P |
| 19.867 | 0.8829 | 0.0000 | 106.502 | 3.33621 | 0.00000 | 389183.0 | 187435.9 | 0.0 | U/P |
| 19.889 | 0.8841 | 0.0000 | 106.499 | 3.33507 | 0.00000 | 389253.7 | 187702.8 | 0.0 | U/P |
| 19.911 | 0.8849 | 0.0000 | 106.495 | 3.33394 | 0.00000 | 389324.4 | 187969.5 | 0.0 | U/P |
| 19.933 | 0.8854 | 0.0000 | 106.492 | 3.33280 | 0.00000 | 389395.2 | 188236.2 | 0.0 | U/P |
| 19.956 | 0.8859 | 0.0000 | 106.488 | 3.33166 | 0.00000 | 389466.1 | 188502.8 | 0.0 | U/P |
| 19.978 | 0.8862 | 0.0000 | 106.485 | 3.33053 | 0.00000 | 389537.0 | 188769.3 | 0.0 | U/P |
| 20.000 | 0.8839 | 0.0000 | 106.482 | 3.32939 | 0.00000 | 389607.8 | 189035.6 | 0.0 | U/P |
| 20.022 | 0.8719 | 0.0000 | 106.478 | 3.32826 | 0.00000 | 389678.0 | 189302.0 | 0.0 | U/P |
| 20.044 | 0.8416 | 0.0000 | 106.475 | 3.32711 | 0.00000 | 389746.5 | 189568.2 | 0.0 | U/P |
| 20.067 | 0.7889 | 0.0000 | 106.471 | 3.32595 | 0.00000 | 389811.8 | 189834.3 | 0.0 | U/P |
| 20.089 | 0.7223 | 0.0000 | 106.468 | 3.32477 | 0.00000 | 389872.2 | 190100.3 | 0.0 | U/P |
| 20.111 | 0.6545 | 0.0000 | 106.464 | 3.32356 | 0.00000 | 389927.3 | 190366.3 | 0.0 | U/P |
| 20.133 | 0.5935 | 0.0000 | 106.460 | 3.32232 | 0.00000 | 389977.2 | 190632.1 | 0.0 | U/P |
| 20.156 | 0.5447 | 0.0000 | 106.456 | 3.32105 | 0.00000 | 390022.7 | 190897.8 | 0.0 | U/P |
| 20.178 | 0.5099 | 0.0000 | 106.452 | 3.31976 | 0.00000 | 390064.9 | 191163.5 | 0.0 | U/P |
| 20.200 | 0.4855 | 0.0000 | 106.449 | 3.31845 | 0.00000 | 390104.7 | 191429.0 | 0.0 | U/P |
| 20.222 | 0.4679 | 0.0000 | 106.445 | 3.31713 | 0.00000 | 390142.8 | 191694.4 | 0.0 | U/P |
| 20.244 | 0.4549 | 0.0000 | 106.441 | 3.31580 | 0.00000 | 390179.8 | 191959.7 | 0.0 | U/P |
| 20.267 | 0.4457 | 0.0000 | 106.437 | 3.31446 | 0.00000 | 390215.8 | 192224.9 | 0.0 | U/P |
| 20.289 | 0.4390 | 0.0000 | 106.433 | 3.31313 | 0.00000 | 390251.2 | 192490.0 | 0.0 | U/P |
| 20.311 | 0.4342 | 0.0000 | 106.429 | 3.31178 | 0.00000 | 390286.1 | 192755.0 | 0.0 | U/P |
| 20.333 | 0.4308 | 0.0000 | 106.424 | 3.31044 | 0.00000 | 390320.7 | 193019.9 | 0.0 | U/P |
| 20.356 | 0.4282 | 0.0000 | 106.420 | 3.30909 | 0.00000 | 390355.1 | 193284.7 | 0.0 | U/P |
| 20.378 | 0.4264 | 0.0000 | 106.416 | 3.30775 | 0.00000 | 390389.3 | 193549.4 | 0.0 | U/P |
| 20.400 | 0.4251 | 0.0000 | 106.412 | 3.30640 | 0.00000 | 390423.3 | 193813.9 | 0.0 | U/P |
| 20.422 | 0.4242 | 0.0000 | 106.408 | 3.30505 | 0.00000 | 390457.3 | 194078.4 | 0.0 | U/P |
| 20.444 | 0.4235 | 0.0000 | 106.404 | 3.30370 | 0.00000 | 390491.2 | 194342.8 | 0.0 | U/P |
| 20.467 | 0.4229 | 0.0000 | 106.400 | 3.30235 | 0.00000 | 390525.1 | 194607.0 | 0.0 | U/P |
| 20.489 | 0.4225 | 0.0000 | 106.396 | 3.30100 | 0.00000 | 390558.9 | 194871.1 | 0.0 | U/P |
| 20.511 | 0.4245 | 0.0000 | 106.392 | 3.29966 | 0.00000 | 390592.8 | 195135.2 | 0.0 | U/P |
| 20.533 | 0.4321 | 0.0000 | 106.388 | 3.29831 | 0.00000 | 390627.0 | 195399.1 | 0.0 | U/P |
| 20.556 | 0.4494 | 0.0000 | 106.384 | 3.29696 | 0.00000 | 390662.3 | 195662.9 | 0.0 | U/P |
| 20.578 | 0.4761 | 0.0000 | 106.380 | 3.29563 | 0.00000 | 390699.3 | 195926.6 | 0.0 | U/P |
| 20.600 | 0.5070 | 0.0000 | 106.376 | 3.29431 | 0.00000 | 390738.6 | 196190.2 | 0.0 | U/P |
| 20.622 | 0.5371 | 0.0000 | 106.372 | 3.29300 | 0.00000 | 390780.4 | 196453.7 | 0.0 | U/P |
| 20.644 | 0.5633 | 0.0000 | 106.369 | 3.29170 | 0.00000 | 390824.4 | 196717.1 | 0.0 | U/P |
| 20.667 | 0.5833 | 0.0000 | 106.365 | 3.29042 | 0.00000 | 390870.3 | 196980.3 | 0.0 | U/P |
| 20.689 | 0.5973 | 0.0000 | 106.361 | 3.28914 | 0.00000 | 390917.5 | 197243.5 | 0.0 | U/P |
| 20.711 | 0.6073 | 0.0000 | 106.357 | 3.28788 | 0.00000 | 390965.7 | 197506.6 | 0.0 | U/P |
| 20.733 | 0.6146 | 0.0000 | 106.353 | 3.28662 | 0.00000 | 391014.5 | 197769.6 | 0.0 | U/P |
| 20.756 | 0.6199 | 0.0000 | 106.350 | 3.28536 | 0.00000 | 391063.9 | 198032.5 | 0.0 | U/P |
| 20.778 | 0.6236 | 0.0000 | 106.346 | 3.28410 | 0.00000 | 391113.7 | 198295.3 | 0.0 | U/P |
| 20.800 | 0.6264 | 0.0000 | 106.342 | 3.28285 | 0.00000 | 391163.7 | 198557.9 | 0.0 | U/P |
| 20.822 | 0.6283 | 0.0000 | 106.338 | 3.28160 | 0.00000 | 391213.8 | 198820.5 | 0.0 | U/P |
| 20.844 | 0.6298 | 0.0000 | 106.335 | 3.28035 | 0.00000 | 391264.2 | 199083.0 | 0.0 | U/P |
| 20.867 | 0.6308 | 0.0000 | 106.331 | 3.27909 | 0.00000 | 391314.6 | 199345.4 | 0.0 | U/P |
| 20.889 | 0.6315 | 0.0000 | 106.327 | 3.27785 | 0.00000 | 391365.1 | 199607.6 | 0.0 | U/P |
| 20.911 | 0.6321 | 0.0000 | 106.323 | 3.27660 | 0.00000 | 391415.6 | 199869.8 | 0.0 | U/P |
| 20.933 | 0.6325 | 0.0000 | 106.320 | 3.27535 | 0.00000 | 391466.2 | 200131.9 | 0.0 | U/P |
| 20.956 | 0.6328 | 0.0000 | 106.316 | 3.27410 | 0.00000 | 391516.8 | 200393.9 | 0.0 | U/P |
| 20.978 | 0.6330 | 0.0000 | 106.312 | 3.27285 | 0.00000 | 391567.5 | 200655.8 | 0.0 | U/P |
| 21.000 | 0.6331 | 0.0000 | 106.308 | 3.27160 | 0.00000 | 391618.1 | 200917.5 | 0.0 | U/P |
| 21.022 | 0.6300 | 0.0000 | 106.305 | 3.27035 | 0.00000 | 391668.6 | 201179.2 | 0.0 | U/P |
| 21.044 | 0.6203 | 0.0000 | 106.301 | 3.26910 | 0.00000 | 391718.6 | 201440.8 | 0.0 | U/P |
| 21.067 | 0.5994 | 0.0000 | 106.297 | 3.26785 | 0.00000 | 391767.4 | 201702.3 | 0.0 | U/P |
| 21.089 | 0.5700 | 0.0000 | 106.293 | 3.26658 | 0.00000 | 391814.2 | 201963.6 | 0.0 | U/P |
| 21.111 | 0.5383 | 0.0000 | 106.290 | 3.26531 | 0.00000 | 391858.5 | 202224.9 | 0.0 | U/P |
| 21.133 | 0.5089 | 0.0000 | 106.286 | 3.26402 | 0.00000 | 391900.4 | 202486.1 | 0.0 | U/P |
| 21.156 | 0.4842 | 0.0000 | 106.282 | 3.26271 | 0.00000 | 391940.2 | 202747.2 | 0.0 | U/P |
| 21.178 | 0.4665 | 0.0000 | 106.278 | 3.26139 | 0.00000 | 391978.2 | 203008.1 | 0.0 | U/P |
| 21.200 | 0.4542 | 0.0000 | 106.274 | 3.26007 | 0.00000 | 392015.0 | 203269.0 | 0.0 | U/P |
| 21.222 | 0.4453 | 0.0000 | 106.270 | 3.25874 | 0.00000 | 392051.0 | 203529.7 | 0.0 | U/P |
| 21.244 | 0.4388 | 0.0000 | 106.266 | 3.25740 | 0.00000 | 392086.3 | 203790.4 | 0.0 | U/P |
| 21.267 | 0.4341 | 0.0000 | 106.262 | 3.25606 | 0.00000 | 392121.3 | 204050.9 | 0.0 | U/P |
| 21.289 | 0.4307 | 0.0000 | 106.258 | 3.25472 | 0.00000 | 392155.8 | 204311.3 | 0.0 | U/P |
| 21.311 | 0.4283 | 0.0000 | 106.254 | 3.25338 | 0.00000 | 392190.2 | 204571.7 | 0.0 | U/P |
| 21.333 | 0.4266 | 0.0000 | 106.250 | 3.25204 | 0.00000 | 392224.4 | 204831.9 | 0.0 | U/P |
| 21.356 | 0.4253 | 0.0000 | 106.246 | 3.25069 | 0.00000 | 392258.5 | 205092.0 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario $1::$ Pond 7 - 100 Year 24 Hour Routing

| Elapsed Time (hours) | inflow Rate ( $\mathrm{f}^{3 / \mathrm{s}} \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (fi datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{t}^{3 /} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumutative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 21.378 | 0.4244 | 0.0000 | 106.242 | 3.24935 | 0.00000 | 392292.5 | 205352.0 | 0.0 | U/P |
| 21.400 | 0.4237 | 0.0000 | 106.238 | 3.24800 | 0.00000 | 392326.4 | 205611.9 | 0.0 | U/P |
| 21.422 | 0.4232 | 0.0000 | 106.234 | 3.24666 | 0.00000 | 392360.3 | 205871.7 | 0.0 | U/P |
| 21.444 | 0.4229 | 0,0000 | 106.230 | 3.24531 | 0.00000 | 392394.1 | 206131.4 | 0.0 | U/P |
| 21.467 | 0.4226 | 0.0000 | 106.226 | 3.24396 | 0.00000 | 392427.9 | 206390.9 | 0.0 | U/P |
| 21.489 | 0.4224 | 0.0000 | 106.222 | 3.24262 | 0.00000 | 392461.8 | 206650.4 | 0.0 | U/P |
| 21.511 | 0.4243 | 0.0000 | 106.218 | 3.24127 | 0.00000 | 392495.6 | 206909.8 | 0.0 | U/P |
| 21.533 | 0.4348 | 0.0000 | 106.213 | 3.23993 | 0.00000 | 392530.0 | 207169.0 | 0.0 | U/P |
| 21.556 | 0.4615 | 0.0000 | 106.209 | 3.23859 | 0.00000 | 392565.8 | 207428.1 | 0.0 | U/P |
| 21.578 | 0.5088 | 0.0000 | 106.206 | 3.23727 | 0.00000 | 392604.6 | 207687.2 | 0.0 | U/P |
| 21.600 | 0.5690 | 0.0000 | 106.202 | 3.23597 | 0.00000 | 392647.8 | 207946.1 | 0.0 | U/P |
| 21.622 | 0.6309 | 0.0000 | 106.198 | 3.23469 | 0.00000 | 392695.8 | 208204.9 | 0.0 | U/P |
| 21.644 | 0.6867 | 0.0000 | 106.194 | 3.23344 | 0.00000 | 392748.4 | 208463.6 | 0.0 | U/P |
| 21.667 | 0.7316 | 0.0000 | 106.191 | 3.23222 | 0.00000 | 392805.2 | 208722.3 | 0.0 | U/P |
| 21.689 | 0.7636 | 0.0000 | 106.187 | 3.23103 | 0.00000 | 392865.0 | 208980.8 | 0.0 | U/P |
| 21.711 | 0.7860 | 0.0000 | 106.184 | 3.22984 | 0.00000 | 392927.0 | 209239.2 | 0.0 | U/P |
| 21.733 | 0.8023 | 0.0000 | 106.180 | 3.22867 | 0.00000 | 392990.5 | 209497.6 | 0.0 | U/P |
| 21.756 | 0.8141 | 0.0000 | 106.177 | 3.22751 | 0.00000 | 393055.2 | 209755.8 | 0.0 | U/P |
| 21.778 | 0.8226 | 0.0000 | 106.173 | 3.22635 | 0.00000 | 393120.6 | 210014.0 | 0.0 | U/P |
| 21.800 | 0.8288 | 0.0000 | 106.170 | 3.22520 | 0.00000 | 393186.7 | 210272.0 | 0.0 | $\mathrm{U} / \mathrm{P}$ |
| 21.822 | 0.8332 | 0.0000 | 106.166 | 3.22405 | 0.00000 | 393253.2 | 210530.0 | 0.0 | U/P |
| 21.844 | 0.8364 | 0.0000 | 106.163 | 3.22290 | 0.00000 | 393319.9 | 210787.9 | 0.0 | U/P |
| 21.867 | 0.8387 | 0.0000 | 106.159 | 3.22175 | 0.00000 | 393386.9 | 211045.7 | 0.0 | U/P |
| 21.889 | 0.8404 | 0.0000 | 106.156 | 3.22061 | 0.00000 | 393454.1 | 211303.4 | 0.0 | U/P |
| 21.911 | 0.8416 | 0.0000 | 106.153 | 3.21947 | 0.00000 | 393521.4 | 211561.0 | 0.0 | U/P |
| 21.933 | 0.8424 | 0.0000 | 106.149 | 3.21832 | 0.00000 | 393588.8 | 211818.5 | 0.0 | U/P |
| 21.956 | 0.8431 | 0.0000 | 106.146 | 3.21718 | 0.00000 | 393656.2 | 212075.9 | 0.0 | U/P |
| 21.978 | 0.8436 | 0.0000 | 106.142 | 3.21604 | 0.00000 | 393723.6 | 212333.2 | 0.0 | U/P |
| 22.000 | 0.8439 | 0.0000 | 106.139 | 3.21490 | 0.00000 | 393791.1 | 212590.5 | 0.0 | U/P |
| 22.022 | 0.8401 | 0.0000 | 106.135 | 3.21376 | 0.00000 | 393858.5 | 212847.6 | 0.0 | U/P |
| 22.044 | 0.8254 | 0.0000 | 106.132 | 3.21261 | 0.00000 | 393925.1 | 213104.7 | 0.0 | U/P |
| 22.067 | 0.7916 | 0.0000 | 106.129 | 3.21146 | 0.00000 | 393989.8 | 213361.6 | 0.0 | U/P |
| 22.089 | 0.7389 | 0.0000 | 106.125 | 3.21029 | 0.00000 | 394051.0 | 213618.5 | 0.0 | U/P |
| 22.111 | 0.6772 | 0.0000 | 106.121 | 3.20910 | 0.00000 | 394107.7 | 213875.3 | 0.0 | U/P |
| 22.133 | 0.6168 | 0.0000 | 106.118 | 3.20788 | 0.00000 | 394159.4 | 214132.0 | 0.0 | U/P |
| 22.156 | 0.5640 | 0.0000 | 106.114 | 3.20863 | 0.00000 | 394206.7 | 214388.5 | 0.0 | U/P |
| 22.178 | 0.5236 | 0.0000 | 106.110 | 3.20536 | 0.00000 | 394250.2 | 214645.0 | 0.0 | U/P |
| 22.200 | 0.4950 | 0.0000 | 106.106 | 3.20406 | 0.00000 | 394290.9 | 214901.4 | 0.0 | U/P |
| 22.222 | 0.4748 | 0.0000 | 106.102 | 3.20276 | 0.00000 | 394329.7 | 215157.7 | 0.0 | U/P |
| 22.244 | 0.4600 | 0.0000 | 106.098 | 3.20144 | 0.00000 | 394367.1 | 215413.8 | 0.0 | U/P |
| 22.267 | 0.4494 | 0.0000 | 106.094 | 3.20011 | 0.00000 | 394403.4 | 215669.9 | 0.0 | U/P |
| 22.289 | 0.4417 | 0.0000 | 106.090 | 3.19879 | 0.00000 | 394439.1 | 215925.9 | 0.0 | U/P |
| 22.311 | 0.4361 | 0.0000 | 106.086 | 3.19745 | 0.00000 | 394474.2 | 216181.7 | 0.0 | U/P |
| 22.333 | 0.4321 | 0.0000 | 106.082 | 3.19612 | 0.00000 | 394508.9 | 216437.5 | 0.0 | U/P |
| 22.356 | 0.4293 | 0.0000 | 106.078 | 3.19478 | 0.00000 | 394543.4 | 216693.1 | 0.0 | U/P |
| 22.378 | 0.4272 | 0.0000 | 106.074 | 3.19344 | 0.00000 | 394577.7 | 216948.6 | 0.0 | U/P |
| 22.400 | 0.4257 | 0.0000 | 106.070 | 3.19210 | 0.00000 | 394611.8 | 217204.0 | 0.0 | U/P |
| 22.422 | 0.4246 | 0.0000 | 106.066 | 3.19076 | 0.00000 | 394645.8 | 217459.3 | 0.0 | U/P |
| 22.444 | 0.4238 | 0.0000 | 106.062 | 3.18942 | 0.00000 | 394679.7 | 217714.6 | 0.0 | U/P |
| 22.467 | 0.4232 | 0.0000 | 106.058 | 3.18807 | 0.00000 | 394713.6 | 217969.7 | 0.0 | U/P |
| 22.489 | 0.4228 | 0.0000 | 106.054 | 3.18673 | 0.00000 | 394747.4 | 218224.7 | 0.0 | U/P |
| 22.511 | 0.4224 | 0.0000 | 106.050 | 3.18539 | 0.00000 | 394781.2 | 218479.5 | 0.0 | U/P |
| 22.533 | 0.4258 | 0.0000 | 106.046 | 3.18405 | 0.00000 | 394815.2 | 218734.3 | 0.0 | U/P |
| 22.556 | 0.4367 | 0.0000 | 106.042 | 3.18271 | 0.00000 | 394849.7 | 218989.0 | 0.0 | U/P |
| 22.578 | 0.4602 | 0.0000 | 106.038 | 3.18138 | 0.00000 | 394885.5 | 219243.5 | 0.0 | U/P |
| 22.600 | 0.4936 | 0.0000 | 106.034 | 3.18005 | 0.00000 | 394923.7 | 219498.0 | 0.0 | U/P |
| 22.622 | 0.5299 | 0.0000 | 106.030 | 3.17875 | 0.00000 | 394964.6 | 219752.4 | 0.0 | U/P |
| 22.644 | 0.5639 | 0.0000 | 106.027 | 3.17746 | 0.00000 | 395008.4 | 220006.6 | 0.0 | U/P |
| 22.667 | 0.5925 | 0.0000 | 106.023 | 3.17618 | 0.00000 | 395054.6 | 220260.8 | 0.0 | U/P |
| 22.689 | 0.6132 | 0.0000 | 106.019 | 3.17492 | 0.00000 | 395102.9 | 220514.8 | 0.0 | U/P |
| 22.711 | 0.6276 | 0.0000 | 106.015 | 3.17368 | 0.00000 | 395152.5 | 220768.7 | 0.0 | U/P |
| 22.733 | 0.6379 | 0.0000 | 106.012 | 3.17243 | 0.00000 | 395203.1 | 221022.6 | 0.0 | U/P |
| 22.756 | 0.6456 | 0.0000 | 106.008 | 3.17120 | 0.00000 | 395254.5 | 221276.3 | 0.0 | U/P |
| 22.778 | 0.6510 | 0.0000 | 106.004 | 3.16996 | 0.00000 | 395306.3 | 221530.0 | 0.0 | U/P |
| 22,800 | 0.6550 | 0.0000 | 106.001 | 3.16873 | 0.00000 | 395358.6 | 221783.5 | 0.0 | U/P |
| 22.822 | 0.6578 | 0.0000 | 105.997 | 3.16751 | 0.00000 | 395411.1 | 222037.0 | 0.0 | U/P |
| 22.844 | 0.6598 | 0.0000 | 105.993 | 3.16630 | 0.00000 | 395463.8 | 222290.3 | 0.0 | U/P |
| 22.867 | 0.6613 | 0.0000 | 105.990 | 3.16508 | 0.00000 | 395516.6 | 222543.6 | 0.0 | U/P |
| 22.889 | 0.6624 | 0.0000 | 105.986 | 3.16387 | 0.00000 | 395569.6 | 222796.7 | 0.0 | U/P |
| 22.911 | 0.6632 | 0.0000 | 105.982 | 3.16266 | 0.00000 | 395622.6 | 223049.8 | 0.0 | U/P |
| 22.933 | 0.6637 | 0.0000 | 105.979 | 3.16144 | 0.00000 | 395675.7 | 223302.8 | 0.0 | U/P |
| 22.956 | 0.6641 | 0.0000 | 105.975 | 3.16023 | 0.00000 | 395728.8 | 223555.6 | 0.0 | U/P |
| 22.978 | 0.6644 | 0.0000 | 105.971 | 3.15902 | 0.00000 | 395781.9 | 223808.4 | 0.0 | U/P |
| 23.000 | 0.6622 | 0.0000 | 105.968 | 3.15781 | 0.00000 | 395835.0 | 224061.1 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 7-100 Year / 24 Hour Routing

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (tt/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overfow Discharge (ft ${ }^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 23.022 | 0.6504 | 0.0000 | 105.964 | 3.15660 | 0.00000 | 395887.5 | 224313.6 | 0.0 | U/P |
| 23.044 | 0.6208 | 0.0000 | 105.960 | 3.15538 | 0.00000 | 395938.3 | 224566.1 | 0.0 | U/P |
| 23.067 | 0.5693 | 0.0000 | 105.957 | 3.15414 | 0.00000 | 395985.9 | 224818.5 | 0.0 | U/P |
| 23.089 | 0.5044 | 0.0000 | 105.953 | 3.15288 | 0.00000 | 396028.9 | 225070.8 | 0.0 | U/P |
| 23.111 | 0.4381 | 0.0000 | 105.949 | 3.15160 | 0.00000 | 396066.6 | 225323.0 | 0.0 | U/P |
| 23.133 | 0.3785 | 0.0000 | 105.945 | 3.15028 | 0.00000 | 396099.3 | 225575.0 | 0.0 | U/P |
| 23.156 | 0.3308 | 0.0000 | 105.941 | 3.14893 | 0.00000 | 396127.6 | 225827.0 | 0.0 | U/P |
| 23.178 | 0.2969 | 0.0000 | 105.936 | 3.14756 | 0.00000 | 396152.8 | 226078.9 | 0.0 | U/P |
| 23.200 | 0.2731 | 0.0000 | 105.932 | 3.14617 | 0.00000 | 396175.5 | 226330.6 | 0.0 | U/P |
| 23.222 | 0.2558 | 0.0000 | 105.928 | 3.14477 | 0.00000 | 396196.7 | 226582.3 | 0.0 | U/P |
| 23.244 | 0.2432 | 0.0000 | 105.924 | 3.14336 | 0.00000 | 396216.7 | 226833.8 | 0.0 | U/P |
| 23.267 | 0.2342 | 0.0000 | 105.919 | 3.14195 | 0.00000 | 396235.8 | 227085.2 | 0.0 | U/P |
| 23.289 | 0.2276 | 0.0000 | 105.915 | 3.14053 | 0.00000 | 396254.2 | 227336.5 | 0.0 | U/P |
| 23.311 | 0.2229 | 0.0000 | 105.911 | 3.13911 | 0.00000 | 396272.3 | 227587.7 | 0.0 | U/P |
| 23.333 | 0.2196 | 0.0000 | 105.907 | 3.13768 | 0.00000 | 396289.9 | 227838.8 | 0.0 | U/P |
| 23.356 | 0.2171 | 0.0000 | 105.902 | 3.13625 | 0.00000 | 396307.4 | 228089.7 | 0.0 | U/P |
| 23.378 | 0.2153 | 0.0000 | 105.898 | 3.13483 | 0.00000 | 396324.7 | 228340.5 | 0.0 | U/P |
| 23.400 | 0.2140 | 0.0000 | 105.894 | 3.13340 | 0.00000 | 396341.9 | 228591.3 | 0.0 | U/P |
| 23.422 | 0.2131 | 0.0000 | 105.889 | 3.13197 | 0.00000 | 396359.0 | 228841.9 | 0.0 | U/P |
| 23.444 | 0.2124 | 0.0000 | 105.885 | 3.13054 | 0.00000 | 396376.0 | 229092.4 | 0.0 | U/P |
| 23.467 | 0.2119 | 0.0000 | 105.881 | 3.12911 | 0.00000 | 396393.0 | 229342.8 | 0.0 | U/P |
| 23.489 | 0.2115 | 0.0000 | 105.876 | 3.12768 | 0.00000 | 396409.9 | 229593.0 | 0.0 | U/P |
| 23.511 | 0.2113 | 0.0000 | 105.872 | 3.12625 | 0.00000 | 396426.8 | 229843.2 | 0.0 | U/P |
| 23.533 | 0.2112 | 0.0000 | 105.868 | 3.12482 | 0.00000 | 396443.7 | 230093.3 | 0.0 | U/P |
| 23.556 | 0.2112 | 0.0000 | 105.863 | 3.12339 | 0.00000 | 396460.6 | 230343.2 | 0.0 | U/P |
| 23.578 | 0.2112 | 0.0000 | 105.859 | 3.12196 | 0.00000 | 396477.5 | 230593.0 | 0.0 | U/P |
| 23.600 | 0.2111 | 0.0000 | 105.855 | 3.12053 | 0.00000 | 396494.4 | 230842.7 | 0.0 | U/P |
| 23.622 | 0.2111 | 0.0000 | 105.850 | 3.11910 | 0.00000 | 396511.3 | 231092.3 | 0.0 | U/P |
| 23.644 | 0.2111 | 0.0000 | 105.846 | 3.11767 | 0.00000 | 396528.2 | 231341.8 | 0.0 | U/P |
| 23.667 | 0.2111 | 0.0000 | 105.842 | 3.11624 | 0.00000 | 396545.1 | 231591.1 | 0.0 | U/P |
| 23.689 | 0.2110 | 0.0000 | 105.837 | 3.11481 | 0.00000 | 396561.9 | 231840.3 | 0.0 | U/P |
| 23.711 | 0.2110 | 0.0000 | 105.833 | 3.11338 | 0.00000 | 396578.8 | 232089.5 | 0.0 | U/P |
| 23.733 | 0.2110 | 0.0000 | 105.829 | 3.11195 | 0.00000 | 396595.7 | 232338.5 | 0.0 | U/P |
| 23.756 | 0.2110 | 0.0000 | 105.825 | 3.11052 | 0.00000 | 396612.6 | 232587.4 | 0.0 | U/P |
| 23.778 | 0.2110 | 0.0000 | 105.820 | 3.10909 | 0.00000 | 396629.5 | 232836.2 | 0.0 | U/P |
| 23.800 | 0.2110 | 0.0000 | 105.816 | 3.10766 | 0.00000 | 396646.3 | 233084.8 | 0.0 | U/P |
| 23.822 | 0.2110 | 0.0000 | 105.812 | 3.10623 | 0.00000 | 396663.2 | 233333.4 | 0.0 | U/P |
| 23.844 | 0.2110 | 0.0000 | 105.807 | 3.10481 | 0.00000 | 396680.1 | 233581.8 | 0.0 | U/P |
| 23.867 | 0.2110 | 0.0000 | 105.803 | 3.10338 | 0.00000 | 396697.0 | 233830.2 | 0.0 | U/P |
| 23.889 | 0.2110 | 0.0000 | \$05.799 | 3.10195 | 0.00000 | 396713.9 | 234078.4 | 0.0 | U/P |
| 23.911 | 0.2110 | 0.0000 | 105.794 | 3.10052 | 0.00000 | 396730.8 | 234326.5 | 0.0 | U/P |
| 23.933 | 0.2110 | 0.0000 | 105.790 | 3.09909 | 0.00000 | 396747.6 | 234574.5 | 0.0 | U/P |
| 23.956 | 0.2110 | 0.0000 | 105.786 | 3.09766 | 0.00000 | 396764.5 | 234822.3 | 0.0 | U/P |
| 23.978 | 0.2110 | 0.0000 | 105.781 | 3.09623 | 0.00000 | 396781.4 | 235070.1 | 0.0 | U/P |
| 24.000 | 0.2110 | 0.0000 | 105.777 | 3.09480 | 0.00000 | 396798.3 | 235317.7 | 0.0 | U/P |
| 24.022 | 0.2078 | 0.0000 | 105.773 | 3.09337 | 0.00000 | 396815.0 | 235565.3 | 0.0 | U/P |
| 24.044 | 0.1980 | 0.0000 | 105.768 | 3.09194 | 0.00000 | 396831.3 | 235812.7 | 0.0 | U/P |
| 24.067 | 0.1772 | 0.0000 | 105.764 | 3.09050 | 0.00000 | 396846.3 | 236060.0 | 0.0 | U/P |
| 24.089 | 0.1477 | 0.0000 | 105.760 | 3.08906 | 0.00000 | 396859.3 | 236307.2 | 0.0 | U/P |
| 24.111 | 0.1161 | 0.0000 | 105.755 | 3.08760 | 0.00000 | 396869.8 | 236554.2 | 0.0 | U/P |
| 24.133 | 0.0867 | 0.0000 | 105.751 | 3.08612 | 0.00000 | 396877.9 | 236801.2 | 0.0 | U/P |
| 24.156 | 0.0620 | 0.0000 | 105.746 | 3.08463 | 0.00000 | 396883.9 | 237048.0 | 0.0 | U/P |
| 24.178 | 0.0443 | 0.0000 | 105.742 | 3.08313 | 0.00000 | 396888.1 | 237294.7 | 0.0 | U/P |
| 24.200 | 0.0319 | 0.0000 | 105.737 | 3.08162 | 0.00000 | 396891.2 | 237541.3 | 0.0 | U/P |
| 24.222 | 0.0231 | 0.0000 | 105.733 | 3.08010 | 0.00000 | 396893.4 | 237787.8 | 0.0 | U/P |
| 24.244 | 0.0165 | 0.0000 | 105.728 | 3.07858 | 0.00000 | 396895.0 | 238034.1 | 0.0 | U/P |
| 24.267 | 0.0119 | 0.0000 | 105.723 | 3.07705 | 0.00000 | 396896.1 | 238280.3 | 0.0 | U/P |
| 24.289 | 0.0085 | 0.0000 | 105.719 | 3.07552 | 0.00000 | 396896.9 | 238526.4 | 0.0 | U/P |
| 24.311 | 0.0061 | 0.0000 | 105.714 | 3.07400 | 0.00000 | 396897.5 | 238772.4 | 0.0 | U/P |
| 24.333 | 0.0043 | 0.0000 | 105.709 | 3.07248 | 0.00000 | 396897.9 | 239018.3 | 0.0 | U/P |
| 24.356 | 0.0031 | 0.0000 | 105.705 | 3.07093 | 0.00000 | 396898.2 | 239264.0 | 0.0 | U/P |
| 24.378 | 0.0021 | 0.0000 | 105.700 | 3.06940 | 0.00000 | 396898.4 | 239509.6 | 0.0 | U/P |
| 24.400 | 0.0015 | 0.0000 | 105.696 | 3.06787 | 0.00000 | 396898.6 | 239755.1 | 0.0 | U/P |
| 24.422 | 0.0010 | 0.0000 | 105.691 | 3.06634 | 0.00000 | 396898.7 | 240000.5 | 0.0 | U/P |
| 24.444 | 0.0007 | 0.0000 | 105.686 | 3.06480 | 0.00000 | 396898.7 | 240245.7 | 0.0 | U/P |
| 24.467 | 0.0004 | 0.0000 | 105.682 | 3.06327 | 0.00000 | 396898.8 | 240490.9 | 0.0 | U/P |
| 24.489 | 0.0002 | 0.0000 | 105.677 | 3.06174 | 0.00000 | 396898.8 | 240735.9 | 0.0 | U/P |
| 24.511 | 0.0001 | 0.0000 | 105.672 | 3.06020 | 0.00000 | 396898.8 | 240980.7 | 0.0 | U/P |
| 24.533 | 0.0000 | 0.0000 | 105.668 | 3.05867 | 0.00000 | 396898.8 | 241225.5 | 0.0 | U/P |
| 24.556 | 0.0000 | 0.0000 | 105.663 | 3.05713 | 0.00000 | 396898.8 | 241470.1 | 0.0 | U/P |
| 24.578 | 0.0000 | 0.0000 | 105.659 | 3.05561 | 0.00000 | 396898.8 | 241714.6 | 0.0 | U/P |
| 96.578 | 0.0000 | 0.0000 | 92.875 | 0.43542 | 0.00000 | 396898.8 | 396898.8 | 0.0 | U/S |
| 288.578 | 0.0000 | 0.0000 | 89.742 | 0.00000 | 0.00000 | 396898.8 | 396898.8 | 0.0 | S |
| 360.578 | 0.0000 | 0.0000 | 89.129 | ---- | ---- | 396898.8 | 396898.8 | 0.0 | N.A. |

# PONDS Routing and Recovery Analysis 

## Buildout Results

Pond 8<br>100-year / 24-Hour Storm<br>Input Report<br>Summary of Results<br>Detailed Results

(Pond dry at Hour 48)

# Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E. 

## Project Data

| Project Name: | Vista Landfill Redesign |
| :--- | :--- |
| Simulation Description: | Pond 8 <br> 100 Year / 24 Hour Routing and Recovery Analysis |
| Project Number: | $10-2141$ |
| Engineer : | cms |
| Supervising Engineer: | cms |
| Date: | $01-06-2011$ |

## Aquifer Data

Base Of Aquifer Elevation, [B] (ft datum): ..... 76.00
Water Table Elevation, $[\mathrm{WT}]$ (ft datum): ..... 77.00
Horizontal Saturated Hydraulic Conductivity, [Kh] (ff/day): ..... 15.00
Fillable Porosity, [n] (\%): ..... 20.00
Unsaturated Vertical Infilltration Rate, [IV] (ft/day): ..... 5.0
Maximum Area For Unsaturated Infiltration, [Av] ( $\mathrm{ft}^{2}$ ): ..... 49013.0

## Geometry Data

Equivalent Pond Length, [L] (ft): ..... 850.0
Equivalent Pond Width, [W] (ft): ..... 50.0
Ground water mound is expected to intersect the pond bottom

## Stage vs Area Data

| Stage <br> (ft datum) | Area <br> $\left(\mathrm{ft}^{2}\right)$ |
| ---: | ---: |
| 92.00 | 20531.0 |
| 93.00 | 23895.0 |
| 94.00 | 37315.0 |
| 95.00 | 30791.0 |
| 96.00 | 33323.0 |
| 97.00 | 3791.0 |
| 98.00 | 4155.0 |
| 99.00 | 4525.0 |
| 100.00 | 49013.0 |

## Discharge Structures

## Discharge Structure \#1 is inactive

Discharge Structure \#2 is inactive

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.

## Discharge Structures (cont'd.)

Discharge Structure \#3 is inactive

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

## Scenario Input Data

## Scenario 1 :: Pond 8 - 100 Year / 24 Hour Routing

| Hydrograph Type: | Inline SCS |
| :--- | :--- |
| Modflow Routing: | Routed with infiltration |
| Repetitions: | 1 |



PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Summary of Results :: Scenario $1::$ Pond 8 - 100 Year $/ 24$ Hour Routing

|  | Time (hours) | Stage (ft datum) | Rate $\left(\mathrm{ft}^{3 / \mathrm{s}}\right)$ | Volume (ft ${ }^{3}$ ) |
| :---: | :---: | :---: | :---: | :---: |
| Stage |  |  |  |  |
| Minimum | 0.000 | 77.00 |  |  |
| Maximum | 13.178 | 97.02 |  |  |
| Inflow |  |  |  |  |
| Rate - Maximum - Positive | 9.000 |  | 13.6798 |  |
| Rate - Maximum - Negative | None |  | None |  |
| Cumulative Volume - Maximum Positive | 24.489 |  |  | 234001.0 |
| Cumulative Volume - Maximum Negative | None |  |  | None |
| Cumulative Volume - End of Simulation | 360.578 |  |  | 234001.0 |
| Infilitration |  |  |  |  |
| Rate - Maximum - Positive | 13.200 |  | 2.1987 |  |
| Rate - Maximum - Negative | None |  | None |  |
| Cumulative Volume - Maximum Positive | 48.578 |  |  | 234001.0 |
| Cumulative Volume - Maximum Negative | None |  |  | None |
| Cumulative Volume - End of Simulation | 360.578 |  |  | 234001.0 |
| Combined Discharge |  |  |  |  |
| Rate - Maximum - Positive | None |  | None |  |
| Rate - Maximum - Negative | None |  | None |  |
| Cumulative Volume - Maximum Positive | None |  |  | None |
| Cumulative Volume - Maximum Negative | None |  |  | None |
| Cumulative Volume - End of Simulation | 360.578 |  |  | 0.0 |
| Discharge Structure 1 - inactive |  |  |  |  |
| Rate - Maximum - Positive | disabled |  | disabled |  |
| Rate - Maximum - Negative | disabled |  | disabled |  |
| Cumulative Volume - Maximum Positive | disabled |  |  | disabled |
| Cumulative Volume - Maximum Negative | disabled |  |  | disabled |
| Cumulative Volume - End of Simulation | disabled |  |  | disabled |
| Discharge Structure 2 - inactive |  |  |  |  |
| Rate - Maximum - Positive | disabled |  | disabled |  |
| Rate - Maximum - Negative | disabled |  | disabled |  |
| Cumulative Volume - Maximum Positive | disabled |  |  | disabled |
| Cumulative Volume - Maximum Negative | disabled |  |  | disabled |
| Cumulative Volume - End of Simulation | disabled |  |  | disabled |
| Discharge Structure 3 - inactive disabled |  |  |  |  |
| Rate - Maximum - Positive | disabled |  | disabled |  |
| Rate - Maximum - Negative | disabled |  | disabled |  |
| Cumulative Volume - Maximum Positive | disabled |  |  | disabled |
| Cumulative Volume - Maximum Negative | disabled |  |  | disabled |
| Cumulative Volume - End of Simulation | disabled |  |  | disabled |
| Pollution Abatement: NA |  |  |  |  |
| 36 Hour Stage and Infiltration Volume | N.A. | N.A. |  | N.A. N. |
| 72 Hour Stage and Infiltration Volume | N.A. | N.A. |  | N.A. |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results :: Scenario 1 :: Pond 8 - 100 Year $/ 24$ Hour Routing

| Elapsed Time (hours) | Inflow Rate (f $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{H}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume (fis) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 0.000 | 0.0000 | 0.0000 | 77.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | N.A. |
| 0.022 | 0.0000 | 0.0000 | 77.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.044 | 0.0000 | 0.0000 | 77.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.067 | 0.0000 | 0.0000 | 77.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.089 | 0.0000 | 0.0000 | 77.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.111 | 0.0000 | 0.0000 | 77.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.133 | 0.0000 | 0.0000 | 77.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.156 | 0.0000 | 0.0000 | 77.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.178 | 0.0000 | 0.0000 | 77.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.200 | 0.0000 | 0.0000 | 77.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.222 | 0.0000 | 0.0000 | 77.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.244 | 0.0000 | 0.0000 | 77.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.267 | 0.0000 | 0.0000 | 77.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.289 | 0.0000 | 0.0000 | 77.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.311 | 0.0000 | 0.0000 | 77.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.333 | 0.0000 | 0.0000 | 77.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.356 | 0.0000 | 0.0000 | 77.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.378 | 0.0000 | 0.0000 | 77.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.400 | 0.0000 | 0.0000 | 77.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.422 | 0.0000 | 0.0000 | 77.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.444 | 0.0000 | 0.0000 | 77.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.467 | 0.0000 | 0.0000 | 77.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.489 | 0.0000 | 0.0000 | 77.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.511 | 0.0000 | 0.0000 | 77.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.533 | 0.0000 | 0.0000 | 77.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.556 | 0.0000 | 0.0000 | 77.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.578 | 0.0000 | 0.0000 | 77.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.600 | 0.0000 | 0.0000 | 77.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.622 | 0.0000 | 0.0000 | 77.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.644 | 0.0000 | 0.0000 | 77.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.667 | 0.0000 | 0.0000 | 77.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.689 | 0.0000 | 0.0000 | 77.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.711 | 0.0000 | 0.0000 | 77.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.733 | 0.0000 | 0.0000 | 77.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.756 | 0.0000 | 0.0000 | 77.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.778 | 0.0000 | 0.0000 | 77.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.800 | 0.0000 | 0.0000 | 77.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.822 | 0.0000 | 0.0000 | 77.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.844 | 0.0000 | 0.0000 | 77.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.867 | 0.0000 | 0.0000 | 77.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.889 | 0.0000 | 0.0000 | 77.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.911 | 0.0000 | 0.0000 | 77.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.933 | 0.0000 | 0.0000 | 77.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.956 | 0.0000 | 0.0000 | 77.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.978 | 0.0000 | 0.0000 | 77.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.000 | 0.0000 | 0.0000 | 77.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.022 | 0.0000 | 0.0000 | 77.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.044 | 0.0000 | 0.0000 | 77.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.067 | 0.0000 | 0.0000 | 77.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.089 | 0.0000 | 0.0000 | 77.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.111 | 0.0000 | 0.0000 | 77.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.133 | 0.0000 | 0.0000 | 77.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.156 | 0.0000 | 0.0000 | 77.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.178 | 0.0000 | 0.0000 | 77.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.200 | 0.0000 | 0.0000 | 77.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.222 | 0.0000 | 0.0000 | 77.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.244 | 0.0000 | 0.0000 | 77.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.267 | 0.0000 | 0.0000 | 77.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.289 | 0.0000 | 0.0000 | 77.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.311 | 0.0000 | 0.0000 | 77.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.333 | 0.0000 | 0.0000 | 77.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.356 | 0.0000 | 0.0000 | 77.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.378 | 0.0000 | 0.0000 | 77.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.400 | 0.0000 | 0.0000 | 77.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.422 | 0.0000 | 0.0000 | 77.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.444 | 0.0000 | 0.0000 | 77.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.467 | 0.0000 | 0.0000 | 77.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.489 | 0.0000 | 0.0000 | 77.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.511 | 0.0000 | 0.0000 | 77.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.533 | 0.0000 | 0.0000 | 77.000 | 0.00006 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.556 | 0.0002 | 0.0000 | 77.000 | 0.00032 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.578 | 0.0009 | 0.0000 | 77.000 | 0.00108 | 0.00000 | 0.1 | 0.1 | 0.0 | U |
| 1.600 | 0.0024 | 0.0000 | 77.000 | 0.00271 | 0.00000 | 0.2 | 0.2 | 0.0 | U |
| 1.622 | 0.0052 | 0.0000 | 77.000 | 0.00552 | 0.00000 | 0.5 | 0.5 | 0.0 | U |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 8 - 100 Year / 24 Hour Routing

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Rechafge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / 3}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1.644 | 0.0093 | 0.0000 | 77.000 | 0.00958 | 0.00000 | 1.1 | 1.1 | 0.0 | U |
| 1.667 | 0.0146 | 0.0000 | 77.000 | 0.01479 | 0.00000 | 2.0 | 2.0 | 0.0 | U |
| 1.689 | 0.0208 | 0.0000 | 77.000 | 0.02092 | 0.00000 | 3.4 | 3.4 | 0.0 | U |
| 1.711 | 0.0276 | 0.0000 | 77.001 | 0.02769 | 0.00000 | 5.4 | 5.4 | 0.0 | U |
| 1.733 | 0.0348 | 0.0000 | 77.001 | 0.03486 | 0.00000 | 7.9 | 7.9 | 0.0 | U |
| 1.756 | 0.0422 | 0.0000 | 77.001 | 0.04226 | 0.00000 | 10.9 | 10.9 | 0.0 | U |
| 1.778 | 0.0498 | 0.0000 | 77.002 | 0.04976 | 0.00000 | 14.6 | 14.6 | 0.0 | U |
| 1.800 | 0.0573 | 0.0000 | 77.002 | 0.05728 | 0.00000 | 18.9 | 18.9 | 0.0 | U |
| 1.822 | 0.0648 | 0.0000 | 77.002 | 0.06477 | 0.00000 | 23.8 | 23.8 | 0.0 | U |
| 1.844 | 0.0722 | 0.0000 | 77.003 | 0.07218 | 0.00000 | 29.3 | 29.3 | 0.0 | U |
| 1.867 | 0.0795 | 0.0000 | 77.004 | 0.07949 | 0.00000 | 35.3 | 35.3 | 0.0 | U |
| 1.889 | 0.0867 | 0.0000 | 77.004 | 0.08667 | 0.00000 | 42.0 | 42.0 | 0.0 | U |
| 1.911 | 0.0938 | 0.0000 | 77.005 | 0.09372 | 0.00000 | 49.2 | 49.2 | 0.0 | U |
| 1.933 | 0.1007 | 0.0000 | 77.006 | 0.10063 | 0.00000 | 57.0 | 57.0 | 0.0 | U |
| 1.956 | 0.1074 | 0.0000 | 77.007 | 0.10739 | 0.00000 | 65.3 | 65.3 | 0.0 | U |
| 1.978 | 0.1140 | 0.0000 | 77.008 | 0.11410 | 0.00000 | 74.2 | 74.2 | 0.0 | U |
| 2.000 | 0.1209 | 0.0000 | 77.009 | 0.12121 | 0.00000 | 83.6 | 83.6 | 0.0 | U |
| 2.022 | 0.1290 | 0.0000 | 77.010 | 0.12971 | 0.00000 | 93.6 | 93.6 | 0.0 | U |
| 2.044 | 0.1399 | 0.0000 | 77.011 | 0.14079 | 0.00000 | 104.3 | 104.3 | 0.0 | U |
| 2.067 | 0.1543 | 0.0000 | 77.012 | 0.15495 | 0.00000 | 116.1 | 116.1 | 0.0 | U |
| 2.089 | 0.1713 | 0.0000 | 77.013 | 0.17150 | 0.00000 | 129.1 | 129.1 | 0.0 | U |
| 2.111 | 0.1891 | 0.0000 | 77.015 | 0.18900 | 0.00000 | 143.5 | 143.5 | 0.0 | U |
| 2.133 | 0.2065 | 0.0000 | 77.016 | 0.20618 | 0.00000 | 159.3 | 159.3 | 0.0 | U |
| 2.156 | 0.2226 | 0.0000 | 77.018 | 0.22215 | 0.00000 | 176.5 | 176.5 | 0.0 | U |
| 2.178 | 0.2369 | 0.0000 | 77.020 | 0.23656 | 0.00000 | 194.9 | 194.9 | 0.0 | U |
| 2.200 | 0.2498 | 0.0000 | 77.022 | 0.24958 | 0.00000 | 214.4 | 214.4 | 0.0 | U |
| 2.222 | 0.2618 | 0.0000 | 77.024 | 0.26157 | 0.00000 | 234.8 | 234.8 | 0.0 | U |
| 2.244 | 0.2729 | 0.0000 | 77.026 | 0.27275 | 0.00000 | 256.2 | 256.2 | 0.0 | U |
| 2.267 | 0.2834 | 0.0000 | 77.028 | 0.28327 | 0.00000 | 278.5 | 278.5 | 0.0 | U |
| 2.289 | 0.2933 | 0.0000 | 77.031 | 0.29323 | 0.00000 | 301.5 | 301.5 | 0.0 | U |
| 2.311 | 0.3028 | 0.0000 | 77.033 | 0.30273 | 0.00000 | 325.4 | 325.4 | 0.0 | U |
| 2.333 | 0.3119 | 0.0000 | 77.036 | 0.31183 | 0.00000 | 350.0 | 350.0 | 0.0 | U |
| 2.356 | 0.3206 | 0.0000 | 77.038 | 0.32057 | 0.00000 | 375.3 | 375.3 | 0.0 | U |
| 2.378 | 0.3291 | 0.0000 | 77.041 | 0.32899 | 0.00000 | 401.3 | 401.3 | 0.0 | U |
| 2.400 | 0.3372 | 0.0000 | 77.044 | 0.33713 | 0.00000 | 427.9 | 427.9 | 0.0 | U |
| 2.422 | 0.3451 | 0.0000 | 77.046 | 0.34500 | 0.00000 | 455.2 | 455.2 | 0.0 | U |
| 2.444 | 0.3527 | 0.0000 | 77.049 | 0.35263 | 0.00000 | 483.1 | 483.1 | 0.0 | U |
| 2.467 | 0.3601 | 0.0000 | 77.052 | 0.36003 | 0.00000 | 511.6 | 511.6 | 0.0 | U |
| 2.489 | 0.3673 | 0.0000 | 77.055 | 0.36756 | 0.00000 | 540.7 | 540.7 | 0.0 | U |
| 2.511 | 0.3756 | 0.0000 | 77.058 | 0.37650 | 0.00000 | 570.4 | 570.4 | 0.0 | U |
| 2.533 | 0.3875 | 0.0000 | 77.061 | 0.38903 | 0.00000 | 601.0 | 601.0 | 0.0 | U |
| 2.556 | 0.4056 | 0.0000 | 77.065 | 0.40716 | 0.00000 | 632.7 | 632.7 | 0.0 | U |
| 2.578 | 0.4300 | 0.0000 | 77.068 | 0.43080 | 0.00000 | 666.1 | 666.1 | 0.0 | U |
| 2.600 | 0.4576 | 0.0000 | 77.072 | 0.45759 | 0.00000 | 701.6 | 701.6 | 0.0 | U |
| 2.622 | 0.4851 | 0.0000 | 77.075 | 0.48458 | 0.00000 | 739.3 | 739.3 | 0.0 | U |
| 2.644 | 0.5105 | 0.0000 | 77.079 | 0.50950 | 0.00000 | 779.1 | 779.1 | 0.0 | U |
| 2.667 | 0.5320 | 0.0000 | 77.084 | 0.53105 | 0.00000 | 820.8 | 820.8 | 0.0 | U |
| 2.689 | 0.5498 | 0.0000 | 77.088 | 0.54913 | 0.00000 | 864.1 | 864.1 | 0.0 | U |
| 2.711 | 0.5649 | 0.0000 | 77.093 | 0.56448 | 0.00000 | 908.7 | 908.7 | 0.0 | U |
| 2.733 | 0.5783 | 0.0000 | 77.097 | 0.57789 | 0.00000 | 954.4 | 954.4 | 0.0 | U |
| 2.756 | 0.5901 | 0.0000 | 77.102 | 0.58984 | 0.00000 | 1001.2 | 1001.2 | 0.0 | U |
| 2.778 | 0.6009 | 0.0000 | 77.107 | 0.60064 | 0.00000 | 1048.8 | 1048.8 | 0.0 | U |
| 2.800 | 0.6107 | 0.0000 | 77.112 | 0.61056 | 0.00000 | 1097.3 | 1097.3 | 0.0 | U |
| 2.822 | 0.6199 | 0.0000 | 77.117 | 0.61976 | 0.00000 | 1146.5 | 1146.5 | 0.0 | U |
| 2.844 | 0.6285 | 0.0000 | 77.122 | 0.62839 | 0.00000 | 1196.4 | 1196.4 | 0.0 | U |
| 2.867 | 0.6366 | 0.0000 | 77.127 | 0.63655 | 0.00000 | 1247.0 | 1247.0 | 0.0 | U |
| 2.889 | 0.6444 | 0.0000 | 77.132 | 0.64431 | 0.00000 | 1298.3 | 1298.3 | 0.0 | U |
| 2.911 | 0.6518 | 0.0000 | 77.138 | 0.65172 | 0.00000 | 1350.1 | 1350.1 | 0.0 | U |
| 2.933 | 0.6589 | 0.0000 | 77.143 | 0.65884 | 0.00000 | 1402.5 | 1402.5 | 0.0 | U |
| 2.956 | 0.6658 | 0.0000 | 77.148 | 0.66570 | 0.00000 | 1455.5 | 1455.5 | 0.0 | U |
| 2.978 | 0.6724 | 0.0000 | 77.154 | 0.67232 | 0.00000 | 1509.1 | 1509.1 | 0.0 | U |
| 3.000 | 0.6788 | 0.0000 | 77.159 | 0.68073 | 0.00000 | 1563.1 | 1563.1 | 0.0 | U |
| 3.022 | 0.6930 | 0.0000 | 77.165 | 0.69726 | 0.00000 | 1618.0 | 1618.0 | 0.0 | U |
| 3.044 | 0.7242 | 0.0000 | 77.174 | 0.73139 | 0.00000 | 1674.7 | 1674.7 | 0.0 | U |
| 3.067 | 0.7841 | 0.0000 | 77.177 | 0.78976 | 0.00000 | 1735.0 | 1735.0 | 0.0 | U |
| 3.089 | 0.8666 | 0.0000 | 77.184 | 0.86833 | 0.00000 | 1801.0 | 1801.0 | 0.0 | U |
| 3.111 | 0.9560 | 0.0000 | 77.191 | 0.95488 | 0.00000 | 1873.9 | 1873.9 | 0.0 | U |
| 3.133 | 1.0409 | 0.0000 | 77.199 | 1.03813 | 0.00000 | 1953.8 | 1953.8 | 0.0 | U |
| 3.156 | 1.1147 | 0.0000 | 77.208 | 1.11043 | 0.00000 | 2040.0 | 2040.0 | 0.0 | U |
| 3.178 | 1.1714 | 0.0000 | 77.217 | 1.16560 | 0.00000 | 2131.5 | 2131.5 | 0.0 | U |
| 3.200 | 1.2147 | 0.0000 | 92.000 | 1.18814 | 0.00000 | 2226.9 | 2226.5 | 0.0 | U/P |
| 3.222 | 1.2492 | 0.0000 | 92.000 | 1.18816 | 0.00000 | 2325.5 | 2321.6 | 0.0 | U/P |
| 3.244 | 1.2777 | 0.0000 | 92.000 | 1.18820 | 0.00000 | 2426.6 | 2416.6 | 0.0 | U/P |
| 3.267 | 1.3011 | 0.0000 | 92.001 | 1.18827 | 0.00000 | 2529.7 | 2511.7 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 8 - 100 Year / 24 Hour Routing

| Elapsed Time (hours) | inflow Rate (f $\mathrm{f}^{3 / \mathrm{s}}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Infow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume (ft ${ }^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 3.289 | 1.3211 | 0.0000 | 92.001 | 1.18835 | 0.00000 | 2634.6 | 2606.8 | 0.0 | U/P |
| 3.311 | 1.3383 | 0.0000 | 92.002 | 1.18845 | 0.00000 | 2741.0 | 2701.8 | 0.0 | U/P |
| 3.333 | 1.3534 | 0.0000 | 92.003 | 1.18857 | 0.00000 | 2848.6 | 2796.9 | 0.0 | U/P |
| 3.356 | 1.3669 | 0.0000 | 92.003 | 1.18869 | 0.00000 | 2957.4 | 2892.0 | 0.0 | U/P |
| 3.378 | 1.3791 | 0.0000 | 92.004 | 1.18883 | 0.00000 | 3067.3 | 2987.1 | 0.0 | U/P |
| 3.400 | 1.3904 | 0.0000 | 92.005 | 1.18897 | 0.00000 | 3178.1 | 3082.2 | 0.0 | U/P |
| 3.422 | 1.4008 | 0.0000 | 92.005 | 1.18912 | 0.00000 | 3289.7 | 3177.3 | 0.0 | U/P |
| 3.444 | 1.4106 | 0.0000 | 92.006 | 1.18928 | 0.00000 | 3402.2 | 3272.5 | 0.0 | U/P |
| 3.467 | 1.4198 | 0.0000 | 92.007 | 1.18945 | 0.00000 | 3515.4 | 3367.6 | 0.0 | U/P |
| 3.489 | 1.4285 | 0.0000 | 92.008 | 1.18963 | 0.00000 | 3629.3 | 3462.8 | 0.0 | U/P |
| 3.511 | 1.4378 | 0.0000 | 92.009 | 1.18981 | 0.00000 | 3744.0 | 3558.0 | 0.0 | U/P |
| 3.533 | 1.4509 | 0.0000 | 92.010 | 1.19000 | 0.00000 | 3859.5 | 3653.2 | 0.0 | U/P |
| 3.556 | 1.4717 | 0.0000 | 92.011 | 1.19019 | 0.00000 | 3976.4 | 3748.4 | 0.0 | U/P |
| 3.578 | 1.5027 | 0.0000 | 92.012 | 1.19041 | 0.00000 | 4095.4 | 3843.6 | 0.0 | U/P |
| 3.600 | 1.5402 | 0.0000 | 92.014 | 1.19065 | 0.00000 | 4217.1 | 3938.8 | 0.0 | U/P |
| 3.622 | 1.5785 | 0.0000 | 92.015 | 1.19091 | 0.00000 | 4341.9 | 4034.1 | 0.0 | U/P |
| 3.644 | 1.6137 | 0.0000 | 92.017 | 1.19121 | 0.00000 | 4469.6 | 4129.4 | 0.0 | U/P |
| 3.667 | 1.6435 | 0.0000 | 92.018 | 1.19152 | 0.00000 | 4599.8 | 4224.7 | 0.0 | U/P |
| 3.689 | 1.6666 | 0.0000 | 92.020 | 1.19186 | 0.00000 | 4732.2 | 4320.0 | 0.0 | U/P |
| 3.711 | 1.6849 | 0.0000 | 92.022 | 1.19222 | 0.00000 | 4866.3 | 4415.4 | 0.0 | U/P |
| 3.733 | 1.6998 | 0.0000 | 92.024 | 1.19259 | 0.00000 | 5001.7 | 4510.8 | 0.0 | U/P |
| 3.756 | 1.7124 | 0.0000 | 92.026 | 1.19298 | 0.00000 | 5138.2 | 4606.2 | 0.0 | U/P |
| 3.778 | 1.7231 | 0.0000 | 92.028 | 1.19337 | 0.00000 | 5275.6 | 4701.6 | 0.0 | U/P |
| 3.800 | 1.7325 | 0.0000 | 92.030 | 1.19377 | 0.00000 | 5413.8 | 4797.1 | 0.0 | U/P |
| 3.822 | 1.7407 | 0.0000 | 92.032 | 1.19418 | 0.00000 | 5552.8 | 4892.6 | 0.0 | U/P |
| 3.844 | 1.7481 | 0.0000 | 92.034 | 1.19459 | 0.00000 | 5692.3 | 4988.2 | 0.0 | U/P |
| 3.867 | 1.7549 | 0.0000 | 92.036 | 1.19500 | 0.00000 | 5832.4 | 5083.8 | 0.0 | U/P |
| 3.889 | 1.7612 | 0.0000 | 92.039 | 1.19543 | 0.00000 | 5973.1 | 5179.4 | 0.0 | U/P |
| 3.911 | 1.7671 | 0.0000 | 92.041 | 1.19585 | 0.00000 | 6114.2 | 5275.1 | 0.0 | U/P |
| 3.933 | 1.7726 | 0.0000 | 92.043 | 1.19628 | 0.00000 | 6255.8 | 5370.7 | 0.0 | U/P |
| 3.956 | 1.7779 | 0.0000 | 92.045 | 1.19672 | 0.00000 | 6397.8 | 5466.5 | 0.0 | U/P |
| 3.978 | 1.7829 | 0.0000 | 92.047 | 1.19716 | 0.00000 | 6540.3 | 5562.2 | 0.0 | U/P |
| 4.000 | 1.7877 | 0.0000 | 92.050 | 1.19760 | 0.00000 | 6683.1 | 5658.0 | 0.0 | U/P |
| 4.022 | 1.7988 | 0.0000 | 92.052 | 1.19804 | 0.00000 | 6826.5 | 5753.8 | 0.0 | U/P |
| 4.044 | 1.8271 | 0.0000 | 92.054 | 1.19850 | 0.00000 | 6971.6 | 5849.7 | 0.0 | U/P |
| 4.067 | 1.8860 | 0.0000 | 92.057 | 1.19897 | 0.00000 | 7120.1 | 5945.6 | 0.0 | U/P |
| 4.089 | 1.9755 | 0.0000 | 92.060 | 1.19950 | 0.00000 | 7274.5 | 6041.5 | 0.0 | U/P |
| 4.111 | 2.0798 | 0.0000 | 92.063 | 1.20008 | 0.00000 | 7436.8 | 6137.5 | 0.0 | U/P |
| 4.133 | 2.1824 | 0.0000 | 92.067 | 1.20074 | 0.00000 | 7607.3 | 6233.5 | 0.0 | U/P |
| 4.156 | 2.2729 | 0.0000 | 92.071 | 1.20148 | 0.00000 | 7785.5 | 6329.6 | 0.0 | U/P |
| 4.178 | 2.3437 | 0.0000 | 92.075 | 1.20228 | 0.00000 | 7970.1 | 6425.8 | 0.0 | U/P |
| 4.200 | 2.3953 | 0.0000 | 92.079 | 1.20313 | 0.00000 | 8159.7 | 6522.0 | 0.0 | U/P |
| 4.222 | 2.4335 | 0.0000 | 92.084 | 1.20402 | 0.00000 | 8352.8 | 6618.3 | 0.0 | U/P |
| 4.244 | 2.4628 | 0.0000 | 92.089 | 1.20494 | 0.00000 | 8548.7 | 6714.6 | 0.0 | U/P |
| 4.267 | 2.4853 | 0.0000 | 92.094 | 1.20588 | 0.00000 | 8746.6 | 6811.1 | 0.0 | U/P |
| 4.289 | 2.5030 | 0.0000 | 92.099 | 1.20683 | 0.00000 | 8946.1 | 6907.6 | 0.0 | U/P |
| 4.311 | 2.5170 | 0.0000 | 92.103 | 1.20780 | 0.00000 | 9146.9 | 7004.2 | 0.0 | U/P |
| 4.333 | 2.5284 | 0.0000 | 92.109 | 1.20877 | 0.00000 | 9348.8 | 7100.8 | 0.0 | U/P |
| 4.356 | 2.5378 | 0.0000 | 92.114 | 1.20976 | 0.00000 | 9551.4 | 7197.6 | 0.0 | U/P |
| 4.378 | 2.5458 | 0.0000 | 92.119 | 1.21075 | 0.00000 | 9754.7 | 7294.4 | 0.0 | U/P |
| 4.400 | 2.5527 | 0.0000 | 92.124 | 1.21174 | 0.00000 | 9958.7 | 7391.3 | 0.0 | U/P |
| 4.422 | 2.5588 | 0.0000 | 92.129 | 1.21274 | 0.00000 | 10163.1 | 7488.3 | 0.0 | U/P |
| 4.444 | 2.5642 | 0.0000 | 92.134 | 1.21374 | 0.00000 | 10368.1 | 7585.3 | 0.0 | U/P |
| 4.467 | 2.5692 | 0.0000 | 92.139 | 1.21474 | 0.00000 | 10573.4 | 7682.5 | 0.0 | U/P |
| 4.489 | 2.5738 | 0.0000 | 92.144 | 1.21574 | 0.00000 | 10779.1 | 7779.7 | 0.0 | U/P |
| 4.511 | 2.5781 | 0.0000 | 92.150 | 1.21675 | 0.00000 | 10985.2 | 7877.0 | 0.0 | U/P |
| 4.533 | 2.5839 | 0.0000 | 92.155 | 1.21776 | 0.00000 | 11191.7 | 7974.4 | 0.0 | U/P |
| 4.556 | 2.5933 | 0.0000 | 92.160 | 1.21877 | 0.00000 | 11398.8 | 8071.8 | 0.0 | U/P |
| 4.578 | 2.6094 | 0.0000 | 92.165 | 1.21979 | 0.00000 | 11606.9 | 8169.4 | 0.0 | U/P |
| 4.600 | 2.6307 | 0.0000 | 92.171 | 1.22081 | 0.00000 | 11816.5 | 8267.0 | 0.0 | U/P |
| 4.622 | 2.6534 | 0.0000 | 92.176 | 1.22185 | 0.00000 | 12027.8 | 8364.7 | 0.0 | U/P |
| 4.644 | 2.6748 | 0.0000 | 92.181 | 1.22291 | 0.00000 | 12241.0 | 8462.5 | 0.0 | U/P |
| 4.667 | 2.6933 | 0.0000 | 92.187 | 1.22398 | 0.00000 | 12455.7 | 8560.4 | 0.0 | U/P |
| 4.689 | 2.7075 | 0.0000 | 92.192 | 1.22506 | 0.00000 | 12671.7 | 8658.3 | 0.0 | U/P |
| 4.711 | 2.7182 | 0.0000 | 92.198 | 1.22615 | 0.00000 | 12888.7 | 8756.4 | 0.0 | U/P |
| 4.733 | 2.7267 | 0.0000 | 92.204 | 1.22724 | 0.00000 | 13106.5 | 8854.5 | 0.0 | U/P |
| 4.756 | 2.7336 | 0.0000 | 92.209 | 1.22834 | 0.00000 | 13325.0 | 8952.7 | 0.0 | U/P |
| 4.778 | 2.7393 | 0.0000 | 92.215 | 1.22945 | 0.00000 | 13543.9 | 9051.0 | 0.0 | U/P |
| 4.800 | 2.7441 | 0.0000 | 92.221 | 1.23055 | 0.00000 | 13763.2 | 9149.4 | 0.0 | U/P |
| 4.822 | 2.7482 | 0.0000 | 92.226 | 1.23166 | 0.00000 | 13982.9 | 9247.9 | 0.0 | U/P |
| 4.844 | 2.7518 | 0.0000 | 92.232 | 1.23277 | 0.00000 | 14202.9 | 9346.5 | 0.0 | U/P |
| 4.867 | 2.7551 | 0.0000 | 92.238 | 1.23388 | 0.00000 | 14423.2 | 9445.2 | 0.0 | U/P |
| 4.889 | 2.7580 | 0.0000 | 92.244 | 1.23499 | 0.00000 | 14643.7 | 9543.9 | 0.0 | U/P |
| 4.911 | 2.7608 | 0.0000 | 92.249 | 1.23610 | 0.00000 | 14864.5 | 9642.8 | 0.0 | U/P |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:: Scenario 1 ::
Pond 8-100 Year 24 Hour Routing

| Elapsed Time (hours) | Inflow Rate (ft3/s) | Outside Recharge (fvday) | Stage Elevation (ft datum) | Infiltration Rate (ft3/s) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{H}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4.933 | 2.7633 | 0.0000 | 92.255 | 1.23721 | 0.00000 | 15085.4 | 9741.7 | 0.0 | U/P |
| 4.956 | 2.7657 | 0.0000 | 92.261 | 1.23833 | 0.00000 | 15306.6 | 9840.7 | 0.0 | U/P |
| 4.978 | 2.7680 | 0.0000 | 92.266 | 1.23944 | 0.00000 | 15527.9 | 9939.8 | 0.0 | U/P |
| 5.000 | 2.7707 | 0.0000 | 92.272 | 1.24055 | 0.00000 | 15749.5 | 10039.0 | 0.0 | U/P |
| 5.022 | 2.7757 | 0.0000 | 92.278 | 1.24166 | 0.00000 | 15971.3 | 10138.3 | 0.0 | U/P |
| 5.044 | 2.7848 | 0.0000 | 92.284 | 1.24277 | 0.00000 | 16193.8 | 10237.7 | 0.0 | U/P |
| 5.067 | 2.7990 | 0.0000 | 92.289 | $\uparrow .24389$ | 0.00000 | 16417.1 | 10337.2 | 0.0 | U/P |
| 5.089 | 2.8164 | 0.0000 | 92.295 | 1.24502 | 0.00000 | 16641.7 | 10436.7 | 0.0 | U/P |
| 5.111 | 2.8340 | 0.0000 | 92.301 | 1.24616 | 0.00000 | 16867.7 | 10536.4 | 0.0 | U/P |
| 5.133 | 2.8501 | 0.0000 | 92.307 | 1.24730 | 0.00000 | 17095.1 | 10636.1 | 0.0 | U/P |
| 5.156 | 2.8632 | 0.0000 | 92.313 | 1.24846 | 0.00000 | 17323.6 | 10735.9 | 0.0 | U/P |
| 5.178 | 2.8731 | 0.0000 | 92.319 | 1.24962 | 0.00000 | 17553.1 | 10835.9 | 0.0 | U/P |
| 5.200 | 2.8805 | 0.0000 | 92.325 | 1.25079 | 0.00000 | 17783.2 | 10935.9 | 0.0 | U/P |
| 5.222 | 2.8863 | 0.0000 | 92.331 | 1.25197 | 0.00000 | 18013.9 | 11036.0 | 0.0 | U/P |
| 5.244 | 2.8909 | 0.0000 | 92.337 | 1.25314 | 0.00000 | 18245.0 | 11136.2 | 0.0 | U/P |
| 5.267 | 2.8946 | 0.0000 | 92.343 | 1.25432 | 0.00000 | 18476.4 | 11236.5 | 0.0 | U/P |
| 5.289 | 2.8977 | 0.0000 | 92.349 | 1.25550 | 0.00000 | 18708.1 | 11336.9 | 0.0 | U/P |
| 5.311 | 2.9004 | 0.0000 | 92.355 | 1.25668 | 0.00000 | 18940.0 | 11437.4 | 0.0 | U/P |
| 5.333 | 2.9026 | 0.0000 | 92.361 | 1.25786 | 0.00000 | 19172.1 | 11537.9 | 0.0 | U/P |
| 5.356 | 2.9046 | 0.0000 | 92.367 | 1.25903 | 0.00000 | 19404.4 | 11638.6 | 0.0 | U/P |
| 5.378 | 2.9065 | 0.0000 | 92.373 | 1.26021 | 0.00000 | 19636.9 | 11739.4 | 0.0 | U/P |
| 5.400 | 2.9081 | 0.0000 | 92.379 | 1.26139 | 0.00000 | 19869.4 | 11840.3 | 0.0 | U/P |
| 5.422 | 2.9097 | 0.0000 | 92.385 | 1.26256 | 0.00000 | 20102.2 | 11941.2 | 0.0 | U/P |
| 5.444 | 2.9111 | 0.0000 | 92.391 | 1.26374 | 0.00000 | 20335.0 | 12042.3 | 0.0 | U/P |
| 5.467 | 2.9125 | 0.0000 | 92.397 | 1.26491 | 0.00000 | 20567.9 | 12143.4 | 0.0 | U/P |
| 5.489 | 2.9138 | 0.0000 | 92.403 | 1.26609 | 0.00000 | 20801.0 | 12244.7 | 0.0 | U/P |
| 5.511 | 2.9151 | 0.0000 | 92.409 | 1.26726 | 0.00000 | 21034.1 | 12346.0 | 0.0 | U/P |
| 5.533 | 2.9162 | 0.0000 | 92.415 | 1.26843 | 0.00000 | 21267.4 | 12447.4 | 0.0 | U/P |
| 5.556 | 2.9174 | 0.0000 | 92.421 | 1.26960 | 0.00000 | 21500.7 | 12548.9 | 0.0 | U/P |
| 5.578 | 2.9185 | 0.0000 | 92.427 | 1.27077 | 0.00000 | 21734.2 | 12650.6 | 0.0 | U/P |
| 5.600 | 2.9195 | 0.0000 | 92.433 | 1.27194 | 0.00000 | 21967.7 | 12752.3 | 0.0 | U/P |
| 5.622 | 2.9206 | 0.0000 | 92.439 | 1.27310 | 0.00000 | 22201.3 | 12854.1 | 0.0 | U/P |
| 5.644 | 2.9216 | 0.0000 | 92.445 | 1.27427 | 0.00000 | 22435.0 | 12956.0 | 0.0 | U/P |
| 5.667 | 2.9226 | 0.0000 | 92.451 | 1.27544 | 0.00000 | 22668.8 | 13057.9 | 0.0 | U/P |
| 5.689 | 2.9236 | 0.0000 | 92.457 | $\uparrow .27660$ | 0.00000 | 22902.6 | 13160.0 | 0.0 | U/P |
| 5.711 | 2.9246 | 0.0000 | 92.463 | 1.27776 | 0.00000 | 23136.5 | 13262.2 | 0.0 | U/P |
| 5.733 | 2.9255 | 0.0000 | 92.469 | 1.27892 | 0.00000 | 23370.5 | 13364.5 | 0.0 | U/P |
| 5.756 | 2.9264 | 0.0000 | 92.475 | 1.28008 | 0.00000 | 23604.6 | 13466.8 | 0.0 | U/P |
| 5.778 | 2.9273 | 0.0000 | 92.481 | 1.28124 | 0.00000 | 23838.8 | 13569.3 | 0.0 | U/P |
| 5.800 | 2.9282 | 0.0000 | 92.487 | 1.28240 | 0.00000 | 24073.0 | 13671.8 | 0.0 | U/P |
| 5.822 | 2.9291 | 0.0000 | 92.493 | 1.28355 | 0.00000 | 24307.3 | 13774.5 | 0.0 | U/P |
| 5.844 | 2.9299 | 0.0000 | 92.499 | 1.28471 | 0.00000 | 24541.6 | 13877.2 | 0.0 | U/P |
| 5.867 | 2.9308 | 0.0000 | 92.505 | 1.28586 | 0.00000 | 24776.1 | 13980.0 | 0.0 | U/P |
| 5.889 | 2.9316 | 0.0000 | 92.511 | 1.28701 | 0.00000 | 25010.6 | 14082.9 | 0.0 | U/P |
| 5.911 | 2.9324 | 0.0000 | 92.517 | 1.28817 | 0.00000 | 25245.1 | 14185.9 | 0.0 | U/P |
| 5.933 | 2.9331 | 0.0000 | 92.523 | 1.28932 | 0.00000 | 25479.7 | 14289.0 | 0.0 | U/P |
| 5.956 | 2.9339 | 0.0000 | 92.529 | 1.29046 | 0.00000 | 25714.4 | 14392.2 | 0.0 | U/P |
| 5.978 | 2.9347 | 0.0000 | 92.534 | 1.29161 | 0.00000 | 25949.2 | 14495.5 | 0.0 | U/P |
| 6.000 | 2.9354 | 0.0000 | 92.540 | 1.29276 | 0.00000 | 26184.0 | 14598.9 | 0.0 | U/P |
| 6.022 | 2.9839 | 0.0000 | 92.546 | 1.29391 | 0.00000 | 26420.7 | 14702.4 | 0.0 | U/P |
| 6.044 | 3.1327 | 0.0000 | 92.553 | 1.29510 | 0.00000 | 26665.4 | 14805.9 | 0.0 | U/P |
| 6.067 | 3.4487 | 0.0000 | 92.560 | 1.29641 | 0.00000 | 26928.6 | 14909.6 | 0.0 | U/P |
| 6.089 | 3.8939 | 0.0000 | 92.568 | 1.29793 | 0.00000 | 27222.4 | 15013.3 | 0.0 | U/P |
| 6.111 | 4.3728 | 0.0000 | 92.578 | 1.29974 | 0.00000 | 27553.0 | 15117.2 | 0.0 | U/P |
| 6.133 | 4.8185 | 0.0000 | 92.590 | 1.30186 | 0.00000 | 27920.7 | 15221.3 | 0.0 | U/P |
| 6.156 | 5.1928 | 0.0000 | 92.603 | 1.30428 | 0.00000 | 28321.1 | 15325.5 | 0.0 | U/P |
| 6.178 | 5.4622 | 0.0000 | 92.617 | 1.30695 | 0.00000 | 28747.3 | 15430.0 | 0.0 | U/P |
| 6.200 | 5.6505 | 0.0000 | 92.632 | 1.30979 | 0.00000 | 29191.8 | 15534.6 | 0.0 | U/P |
| 6.222 | 5.7863 | 0.0000 | 92.648 | 1.31277 | 0.00000 | 29649.3 | 15639.5 | 0.0 | U/P |
| 6.244 | 5.8872 | 0.0000 | 92.664 | 1.31583 | 0.00000 | 30116.2 | 15744.7 | 0.0 | U/P |
| 6.267 | 5.9595 | 0.0000 | 92.680 | 1.31895 | 0.00000 | 30590.1 | 15850.1 | 0.0 | U/P |
| 6.289 | 6.0126 | 0.0000 | 92.696 | 1.32212 | 0.00000 | 31069.0 | 15955.7 | 0.0 | U/P |
| 6.311 | 6.0514 | 0.0000 | 92.713 | 1.32531 | 0.00000 | 31551.5 | 16061.6 | 0.0 | U/P |
| 6.333 | 6.0796 | 0.0000 | 92.729 | 1.32852 | 0.00000 | 32036.8 | 16167.8 | 0.0 | U/P |
| 6.356 | 6.1006 | 0.0000 | 92.746 | 1.33173 | 0.00000 | 32524.0 | 16274.2 | 0.0 | U/P |
| 6.378 | 6.1163 | 0.0000 | 92.762 | 1.33496 | 0.00000 | 33012.7 | 16380.9 | 0.0 | U/P |
| 6.400 | 6.1281 | 0.0000 | 92.779 | 1.33818 | 0.00000 | 33502.4 | 16487.8 | 0.0 | U/P |
| 6.422 | 6.1370 | 0.0000 | 92.796 | 1.34140 | 0.00000 | 33993.0 | 16595.0 | 0.0 | U/P |
| 6.444 | 6.1439 | 0.0000 | 92.812 | 1.34462 | 0.00000 | 34484.3 | 16702.4 | 0.0 | U/P |
| 6.467 | 6.1496 | 0.0000 | 92.829 | 1.34783 | 0.00000 | 34976.0 | 16810.1 | 0.0 | U/P |
| 6.489 | 6.1541 | 0.0000 | 92.845 | 1.35104 | 0.00000 | 35468.2 | 16918.1 | 0.0 | U/P |
| 6.511 | 6.1611 | 0.0000 | 92.861 | 1.35424 | 0.00000 | 35960.8 | 17026.3 | 0.0 | U/P |
| 6.533 | 6.1821 | 0.0000 | 92.878 | 1.35744 | 0.00000 | 36454.5 | 17134.7 | 0.0 | U/P |
| 6.556 | 6.2303 | 0.0000 | 92.894 | 1.36064 | 0.00000 | 36951.0 | 17243.5 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: Pond 8 - 100 Year / 24 Hour Routing

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{Ht}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 6.578 | 6.3145 | 0.0000 | 92.911 | 1.36387 | 0.00000 | 37452.8 | 17352.4 | 0.0 | U/P |
| 6.600 | 6.4216 | 0.0000 | 92.928 | 1.36714 | 0.00000 | 37962.2 | 17461.7 | 0.0 | U/P |
| 6.622 | 6.5315 | 0.0000 | 92.945 | 1.37047 | 0.00000 | 38480.4 | 17571.2 | 0.0 | U/P |
| 6.644 | 6.6307 | 0.0000 | 92.963 | 1.37386 | 0.00000 | 39006.8 | 17681.0 | 0.0 | U/P |
| 6.667 | 6.7108 | 0.0000 | 92.981 | 1.37730 | 0.00000 | 39540.5 | 17791.0 | 0.0 | U/P |
| 6.689 | 6.7683 | 0.0000 | 92.999 | 1.38078 | 0.00000 | 40079.7 | 17901.3 | 0.0 | U/P |
| 6.711 | 6.8090 | 0.0000 | 93.017 | 1.38432 | 0.00000 | 40622.8 | 18011.9 | 0.0 | U/P |
| 6.733 | 6.8388 | 0.0000 | 93.035 | 1.38790 | 0.00000 | 41168.7 | 18122.8 | 0.0 | U/P |
| 6.756 | 6.8609 | 0.0000 | 93.053 | 1.39149 | 0.00000 | 41716.7 | 18234.0 | 0.0 | U/P |
| 6.778 | 6.8770 | 0.0000 | 93.071 | 1.39509 | 0.00000 | 42266.2 | 18345.4 | 0.0 | U/P |
| 6.800 | 6.8891 | 0.0000 | 93.089 | 1.39868 | 0.00000 | 42816.8 | 18457.2 | 0.0 | U/P |
| 6.822 | 6.8980 | 0.0000 | 93.107 | 1.40227 | 0.00000 | 43368.3 | 18569.2 | 0.0 | U/P |
| 6.844 | 6.9047 | 0.0000 | 93.126 | 1.40586 | 0.00000 | 43920.4 | 18681.6 | 0.0 | U/P |
| 6.867 | 6.9099 | 0.0000 | 93.144 | 1.40944 | 0.00000 | 44473.0 | 18794.2 | 0.0 | U/P |
| 6.889 | 6.9139 | 0.0000 | 93.162 | 1.41301 | 0.00000 | 45025.9 | 18907.1 | 0.0 | U/P |
| 6.911 | 6.9171 | 0.0000 | 93.180 | 1.41657 | 0.00000 | 45579.2 | 19020.3 | 0.0 | U/P |
| 6.933 | 6.9196 | 0.0000 | 93.198 | 1.42013 | 0.00000 | 46132.7 | 19133.7 | 0.0 | U/P |
| 6.956 | 6.9217 | 0.0000 | 93.215 | 1.42367 | 0.00000 | 46686.3 | 19247.5 | 0.0 | U/P |
| 6.978 | 6.9235 | 0.0000 | 93.233 | 1.42720 | 0.00000 | 47240.1 | 19361.5 | 0.0 | U/P |
| 7.000 | 6.9251 | 0.0000 | 93.251 | 1.43073 | 0.00000 | 47794.1 | 19475.8 | 0.0 | U/P |
| 7.022 | 6.9454 | 0.0000 | 93.269 | 1.43425 | 0.00000 | 48348.9 | 19590.4 | 0.0 | U/P |
| 7.044 | 7.0160 | 0.0000 | 93.287 | 1.43777 | 0.00000 | 48907.3 | 19705.3 | 0.0 | U/P |
| 7.067 | 7.1754 | 0.0000 | 93.305 | 1.44134 | 0.00000 | 49475.0 | 19820.5 | 0.0 | U/P |
| 7.089 | 7.4236 | 0.0000 | 93.324 | 1.44499 | 0.00000 | 50059.0 | 19935.9 | 0.0 | U/P |
| 7.111 | 7.7140 | 0.0000 | 93.343 | 1.44878 | 0.00000 | 50664.5 | 20051.7 | 0.0 | U/P |
| 7.133 | 7.9986 | 0.0000 | 93.364 | 1.45274 | 0.00000 | 51293.0 | 20167.7 | 0.0 | U/P |
| 7.156 | 8.2473 | 0.0000 | 93.385 | 1.45686 | 0.00000 | 51942.8 | 20284.1 | 0.0 | U/P |
| 7.178 | 8.4381 | 0.0000 | 93.407 | 1.46111 | 0.00000 | 52610.2 | 20400.8 | 0.0 | U/P |
| 7.200 | 8.5732 | 0.0000 | 93.429 | 1.46547 | 0.00000 | 53290.7 | 20517.9 | 0.0 | U/P |
| 7.222 | 8.6691 | 0.0000 | 93.451 | 1.46990 | 0.00000 | 53980.4 | 20635.3 | 0.0 | U/P |
| 7.244 | 8.7394 | 0.0000 | 93.474 | 1.47438 | 0.00000 | 54676.7 | 20753.1 | 0.0 | U/P |
| 7.267 | 8.7905 | 0.0000 | 93.497 | 1.47888 | 0.00000 | 55377.9 | 20871.2 | 0.0 | U/P |
| 7.289 | 8.8275 | 0.0000 | 93.520 | 1.48341 | 0.00000 | 56082.6 | 20989.7 | 0.0 | U/P |
| 7.311 | 8.8545 | 0.0000 | 93.543 | 1.48793 | 0.00000 | 56789.9 | 21108.5 | 0.0 | U/P |
| 7.333 | 8.8742 | 0.0000 | 93.565 | 1.49246 | 0.00000 | 57499.0 | 21227.8 | 0.0 | U/P |
| 7.356 | 8.8886 | 0.0000 | 93.588 | 1.49699 | 0.00000 | 58209.6 | 21347.3 | 0.0 | U/P |
| 7.378 | 8.8992 | 0.0000 | 93.611 | \$. 50150 | 0.00000 | 58921.1 | 21467.3 | 0.0 | U/P |
| 7.400 | 8.9072 | 0.0000 | 93.634 | 1.50601 | 0.00000 | 59633.3 | 21587.6 | 0.0 | U/P |
| 7.422 | 8.9131 | 0.0000 | 93.657 | 1.51051 | 0.00000 | 60346.1 | 21708.2 | 0.0 | U/P |
| 7.444 | 8.9176 | 0.0000 | 93.679 | 1.51499 | 0.00000 | 61059.4 | 21829.3 | 0.0 | U/P |
| 7.467 | 8.9212 | 0.0000 | 93.702 | 1.51946 | 0.00000 | 61772.9 | 21950.6 | 0.0 | U/P |
| 7.489 | 8.9241 | 0.0000 | 93.724 | 1.52392 | 0.00000 | 62486.7 | 22072.4 | 0.0 | U/P |
| 7.511 | 8.9263 | 0.0000 | 93.747 | 1.52836 | 0.00000 | 63200.7 | 22194.5 | 0.0 | U/P |
| 7.533 | 8.9623 | 0.0000 | 93.769 | 1.53279 | 0.00000 | 63916.3 | 22316.9 | 0.0 | U/P |
| 7.556 | 9.0718 | 0.0000 | 93.792 | 1.53724 | 0.00000 | 64637.7 | 22439.7 | 0.0 | U/P |
| 7.578 | 9.3050 | 0.0000 | 93.815 | 1.54174 | 0.00000 | 65372.7 | 22562.9 | 0.0 | U/P |
| 7.600 | 9.6365 | 0.0000 | 93.838 | 1.54636 | 0.00000 | 66130.4 | 22686.4 | 0.0 | U/P |
| 7.622 | 9.9961 | 0.0000 | 93.863 | 1.55115 | 0.00000 | 66915.7 | 22810.3 | 0.0 | U/P |
| 7.644 | 10.3326 | 0.0000 | 93.889 | 1.55613 | 0.00000 | 67728.8 | 22934.6 | 0.0 | U/P |
| 7.667 | 10.6163 | 0.0000 | 93.915 | 1.56128 | 0.00000 | 68566.8 | 23059.3 | 0.0 | U/P |
| 7.689 | 10.8218 | 0.0000 | 93.942 | 1.56658 | 0.00000 | 69424.3 | 23184.4 | 0.0 | U/P |
| 7.711 | 10.9654 | 0.0000 | 93.969 | 1.57197 | 0.00000 | 70295.8 | 23309.9 | 0.0 | U/P |
| 7.733 | 11.0686 | 0.0000 | 93.997 | 1.57743 | 0.00000 | 71177.2 | 23435.9 | 0.0 | U/P |
| 7.756 | 11.1449 | 0.0000 | 94.025 | 1.58297 | 0.00000 | 72065.7 | 23562.3 | 0.0 | U/P |
| 7.778 | 11.1995 | 0.0000 | 94.053 | 1.58858 | 0.00000 | 72959.5 | 23689.2 | 0.0 | U/P |
| 7.800 | 11.2393 | 0.0000 | 94.081 | 1.59420 | 0.00000 | 73857.0 | 23816.5 | 0.0 | U/P |
| 7.822 | 11.2682 | 0.0000 | 94.109 | 1.59982 | 0.00000 | 74757.3 | 23944.2 | 0.0 | U/P |
| 7.844 | 11.2891 | 0.0000 | 94.137 | 1.60544 | 0.00000 | 75659.6 | 24072.5 | 0.0 | U/P |
| 7.867 | 11.3044 | 0.0000 | 94.165 | 1.61105 | 0.00000 | 76563.4 | 24201.1 | 0.0 | U/P |
| 7.889 | 11.3157 | 0.0000 | 94.192 | 1.61664 | 0.00000 | 77468.2 | 24330.2 | 0.0 | U/P |
| 7.911 | 11.3240 | 0.0000 | 94.220 | 1.62222 | 0.00000 | 78373.8 | 24459.8 | 0.0 | U/P |
| 7.933 | 11.3302 | 0.0000 | 94.248 | 1.62778 | 0.00000 | 79279.9 | 24589.8 | 0.0 | U/P |
| 7.956 | 11.3348 | 0.0000 | 94.275 | 1.63332 | 0.00000 | 80186.5 | 24720.2 | 0.0 | U/P |
| 7.978 | 11.3386 | 0.0000 | 94.303 | 1.63884 | 0.00000 | 81093.5 | 24851.1 | 0.0 | U/P |
| 8.000 | 11.3539 | 0.0000 | 94.330 | 1.64435 | 0.00000 | 82001.2 | 24982.4 | 0.0 | U/P |
| 8.022 | 11.4170 | 0.0000 | 94.357 | 1.64984 | 0.00000 | 82912.0 | 25114.2 | 0.0 | U/P |
| 8.044 | 11.5697 | 0.0000 | 94.385 | 1.65536 | 0.00000 | 83831.5 | 25246.4 | 0.0 | U/P |
| 8.067 | 11.8334 | 0.0000 | 94.413 | 1.66094 | 0.00000 | 84767.6 | 25379.1 | 0.0 | U/P |
| 8.089 | 12.1657 | 0.0000 | 94.441 | 1.66665 | 0.00000 | 85727.6 | 25512.2 | 0.0 | U/P |
| 8.111 | $\$ 2.5049$ | 0.0000 | 94.471 | 1.67250 | 0.00000 | 86714.4 | 25645.7 | 0.0 | U/P |
| 8.133 | 12.8098 | 0.0000 | 94.501 | 1.67852 | 0.00000 | 87727.0 | 25779.8 | 0.0 | U/P |
| 8.156 | 13.0538 | 0.0000 | 94.532 | 1.68468 | 0.00000 | 88761.5 | 25914.3 | 0.0 | U/P |
| 8.178 | 13.2277 | 0.0000 | 94.564 | 1.69094 | 0.00000 | 89812.8 | 26049.3 | 0.0 | U/P |
| 8.200 | 13.3500 | 0.0000 | 94.595 | 1.69727 | 0.00000 | 90875.9 | 26184.8 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 8 - 100 Year/ 24 Hour Routing

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{t}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 8.222 | 13.4388 | 0.0000 | 94.627 | 1.70365 | 0.00000 | 91947.5 | 26320.9 | 0.0 | U/P |
| 8.244 | 13.5038 | 0.0000 | 94.659 | 1.71005 | 0.00000 | 93025.2 | 26457.4 | 0.0 | U/P |
| 8.267 | 13.5504 | 0.0000 | 94.691 | 1.71646 | 0.00000 | 94107.3 | 26594.5 | 0.0 | U/P |
| 8.289 | 13.5844 | 0.0000 | 94.723 | 1.72287 | 0.00000 | 95192.7 | 26732.1 | 0.0 | U/P |
| 8.311 | 13.6089 | 0.0000 | 94.754 | 1.72926 | 0.00000 | 96280.4 | 26870.1 | 0.0 | U/P |
| 8.333 | 13.6267 | 0.0000 | 94.786 | 1.73565 | 0.00000 | 97369.9 | 27008.7 | 0.0 | U/P |
| 8.356 | 13.6397 | 0.0000 | 94.818 | 1.74202 | 0.00000 | 98460.5 | 27147.8 | 0.0 | U/P |
| 8.378 | 13.6493 | 0.0000 | 94.849 | 1.74837 | 0.00000 | 99552.1 | 27287.5 | 0.0 | U/P |
| 8.400 | 13.6564 | 0.0000 | 94.881 | 1.75469 | 0.00000 | 100644.3 | 27427.6 | 0.0 | U/P |
| 8.422 | 13.6615 | 0.0000 | 94.912 | 1.76100 | 0.00000 | 101737.0 | 27568.2 | 0.0 | U/P |
| 8.444 | 13.6655 | 0.0000 | 94.943 | 1.76728 | 0.00000 | 102830.1 | 27709.3 | 0.0 | U/P |
| 8.467 | 13.6687 | 0.0000 | 94.974 | 1.77354 | 0.00000 | 103923.5 | 27851.0 | 0.0 | U/P |
| 8.489 | 13.6710 | 0.0000 | 95.005 | 1.77978 | 0.00000 | 105017.1 | 27993.1 | 0.0 | U/P |
| 8.511 | 13.6726 | 0.0000 | 95.036 | 1.78605 | 0.00000 | 106110.8 | 28135.7 | 0.0 | U/P |
| 8.533 | 13.6734 | 0.0000 | 95.066 | 1.79234 | 0.00000 | 107204.6 | 28278.9 | 0.0 | U/P |
| 8.556 | 13.6738 | 0.0000 | 95.097 | 1.79860 | 0.00000 | 108298.5 | 28422.5 | 0.0 | U/P |
| 8.578 | 13.6742 | 0.0000 | 95.128 | 1.80484 | 0.00000 | 109392.4 | 28566.7 | 0.0 | U/P |
| 8.600 | 13.6745 | 0.0000 | 95.158 | 1.81105 | 0.00000 | 110486.4 | 28711.3 | 0.0 | U/P |
| 8.622 | 13.6749 | 0.0000 | 95.188 | 1.81724 | 0.00000 | 111580.4 | 28856.4 | 0.0 | U/P |
| 8.644 | 13.6752 | 0.0000 | 95.218 | 1.82340 | 0.00000 | 112674.4 | 29002.0 | 0.0 | U/P |
| 8.667 | 13.6756 | 0.0000 | 95.248 | 1.82954 | 0.00000 | 113768.4 | 29148.2 | 0.0 | U/P |
| 8.689 | 13.6759 | 0.0000 | 95.278 | 1.83566 | 0.00000 | \$14862.5 | 29294.8 | 0.0 | U/P |
| 8.711 | 13.6762 | 0.0000 | 95.308 | 1.84175 | 0.00000 | 115956.5 | 29441.9 | 0.0 | U/P |
| 8.733 | 13.6765 | 0.0000 | 95.337 | 1.84782 | 0.00000 | 117050.7 | 29589.5 | 0.0 | U/P |
| 8.756 | 13.6769 | 0.0000 | 95.367 | 1.85387 | 0.00000 | 118144.8 | 29737.5 | 0.0 | U/P |
| 8.778 | 13.6772 | 0.0000 | 95.396 | 1.85990 | 0.00000 | 119239.0 | 29886.1 | 0.0 | U/P |
| 8.800 | 13.6775 | 0.0000 | 95.426 | 1.86590 | 0.00000 | 120333.1 | 30035.1 | 0.0 | U/P |
| 8.822 | 13.6778 | 0.0000 | 95.455 | 1.87188 | 0.00000 | 121427.4 | 30184.6 | 0.0 | U/P |
| 8.844 | 13.6780 | 0.0000 | 95.484 | 1.87784 | 0.00000 | 122521.6 | 30334.6 | 0.0 | U/P |
| 8.867 | 13.6783 | 0.0000 | 95.513 | 1.88378 | 0.00000 | 123615.8 | 30485.1 | 0.0 | U/P |
| 8.889 | 13.6786 | 0.0000 | 95.542 | 1.88969 | 0.00000 | 124710.1 | 30636.0 | 0.0 | U/P |
| 8.911 | 13.6788 | 0.0000 | 95.571 | 1.89559 | 0.00000 | 125804.4 | 30787.4 | 0.0 | U/P |
| 8.933 | 13.6791 | 0.0000 | 95.599 | 1.90146 | 0.00000 | 126898.7 | 30939.3 | 0.0 | U/P |
| 8.956 | 13.6794 | 0.0000 | 95.628 | 1.90731 | 0.00000 | 127993.1 | 31091.7 | 0.0 | U/P |
| 8.978 | 13.6796 | 0.0000 | 95.656 | 1.91314 | 0.00000 | 129087.4 | 31244.5 | 0.0 | U/P |
| 9.000 | 13.6798 | 0.0000 | 95.685 | 1.91895 | 0.00000 | 130181.8 | 31397.8 | 0.0 | U/P |
| 9.022 | 13.6185 | 0.0000 | 95.713 | 1.92474 | 0.00000 | 131273.7 | 31551.5 | 0.0 | U/P |
| 9.044 | 13.4280 | 0.0000 | 95.741 | 1.93046 | 0.00000 | 132355.6 | 31705.7 | 0.0 | U/P |
| 9.067 | 13.0221 | 0.0000 | 95.768 | 1.93606 | 0.00000 | 133413.6 | 31860.4 | 0.0 | U/P |
| 9.089 | 12.4500 | 0.0000 | 95.794 | 1.94145 | 0.00000 | 134432.5 | 32015.5 | 0.0 | U/P |
| 9.111 | 11.8348 | 0.0000 | 95.818 | 1.94656 | 0.00000 | 135403.9 | 32171.0 | 0.0 | U/P |
| 9.133 | \$1.2627 | 0.0000 | 95.841 | 1.95137 | 0.00000 | 136327.8 | 32326.9 | 0.0 | U/P |
| 9.156 | 10.7829 | 0.0000 | 95.862 | 1.95589 | 0.00000 | 137209.6 | 32483.2 | 0.0 | U/P |
| 9.178 | 10.4384 | 0.0000 | 95.882 | 1.96017 | 0.00000 | 138058.5 | 32639.9 | 0.0 | U/P |
| 9.200 | 10.1986 | 0.0000 | 95.902 | 1.96428 | 0.00000 | 138883.9 | 32796.9 | 0.0 | U/P |
| 9.222 | 10.0264 | 0.0000 | 95.921 | 1.96825 | 0.00000 | 139692.9 | 32954.2 | 0.0 | U/P |
| 9.244 | 9.8991 | 0.0000 | 95.940 | 1.97212 | 0.00000 | 140490.0 | 33111.8 | 0.0 | U/P |
| 9.267 | 9.8088 | 0.0000 | 95.959 | 1.97593 | 0.00000 | 141278.3 | 33269.7 | 0.0 | U/P |
| 9.289 | 9.7430 | 0.0000 | 95.977 | 1.97968 | 0.00000 | 142060.3 | 33427.9 | 0.0 | U/P |
| 9.311 | 9.6957 | 0.0000 | 95.995 | 1.98339 | 0.00000 | 142837.9 | 33586.5 | 0.0 | U/P |
| 9.333 | 9.6620 | 0.0000 | 96.013 | 1.98709 | 0.00000 | 143612.2 | 33745.3 | 0.0 | U/P |
| 9.356 | 9.6374 | 0.0000 | 96.031 | 1.99079 | 0.00000 | 144384.2 | 33904.4 | 0.0 | U/P |
| 9.378 | 9.6197 | 0.0000 | 96.048 | 1.99448 | 0.00000 | 145154.5 | 34063.8 | 0.0 | U/P |
| 9.400 | 9.6068 | 0.0000 | 96.066 | 1.99815 | 0.00000 | 145923.5 | 34223.5 | 0.0 | U/P |
| 9.422 | 9.5977 | 0.0000 | 96.084 | 2.00181 | 0.00000 | 146691.7 | 34383.5 | 0.0 | U/P |
| 9.444 | 9.5910 | 0.0000 | 96.101 | 2.00546 | 0.00000 | 147459.3 | 34543.8 | 0.0 | U/P |
| 9.467 | 9.5858 | 0.0000 | 96.119 | 2.00909 | 0.00000 | 148226.3 | 34704.4 | 0.0 | U/P |
| 9.489 | 9.5821 | 0.0000 | 96.136 | 2.01272 | 0.00000 | 148993.0 | 34865.2 | 0.0 | U/P |
| 9.511 | 9.5779 | 0.0000 | 96.153 | 2.01633 | 0.00000 | 149759.4 | 35026.4 | 0.0 | U/P |
| 9.533 | 9.5674 | 0.0000 | 96.171 | 2.01993 | 0.00000 | 150525.3 | 35187.9 | 0.0 | U/P |
| 9.556 | 9.5438 | 0.0000 | 96.188 | 2.02352 | 0.00000 | 151289.7 | 35349.6 | 0.0 | U/P |
| 9.578 | 9.5021 | 0.0000 | 96.205 | 2.02709 | 0.00000 | 152051.5 | 35511.6 | 0.0 | U/P |
| 9.600 | 9.4489 | 0.0000 | 96.222 | 2.03063 | 0.00000 | 152809.6 | 35673.9 | 0.0 | U/P |
| 9.622 | 9.3943 | 0.0000 | 96.239 | 2.03414 | 0.00000 | 153563.3 | 35836.5 | 0.0 | U/P |
| 9.644 | 9.3450 | 0.0000 | 96.255 | 2.03761 | 0.00000 | 154312.9 | 35999.4 | 0.0 | U/P |
| 9.667 | 9.3053 | 0.0000 | 96.272 | 2.04106 | 0.00000 | 155058.9 | 36162.5 | 0.0 | U/P |
| 9.689 | 9.2771 | 0.0000 | 96.288 | 2.04448 | 0.00000 | 155802.2 | 36326.0 | 0.0 | U/P |
| 9.711 | 9.2573 | 0.0000 | 96.305 | 2.04788 | 0.00000 | 156543.5 | 36489.7 | 0.0 | U/P |
| 9.733 | 9.2430 | 0.0000 | 96.321 | 2.05126 | 0.00000 | 157283.6 | 36653.6 | 0.0 | U/P |
| 9.756 | 9.2325 | 0.0000 | 96.337 | 2.05463 | 0.00000 | 158022.6 | 36817.9 | 0.0 | U/P |
| 9.778 | 9.2251 | 0.0000 | 96.353 | 2.05799 | 0.00000 | 158760.9 | 36982.4 | 0.0 | U/P |
| 9.800 | 9.2197 | 0.0000 | 96.369 | 2.06134 | 0.00000 | 159498.7 | 37147.1 | 0.0 | U/P |
| 9.822 | 9.2158 | 0.0000 | 96.385 | 2.06467 | 0.00000 | 160236.1 | 37312.2 | 0.0 | U/P |
| 9.844 | 9.2131 | 0.0000 | 96.401 | 2.06800 | 0.00000 | 160973.3 | 37477.5 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) $::$ Scenario $1::$ Pond 8 - 100 Year $/ 24$ Hour Routing

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Intifitration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 /} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 9.867 | 9.2111 | 0.0000 | 96.417 | 2.07132 | 0.00000 | 161710.2 | 37643.1 | 0.0 | U/P |
| 9.889 | 9.2097 | 0.0000 | 96.433 | 2.07463 | 0.00000 | 162447.1 | 37808.9 | 0.0 | U/P |
| 9.911 | 9.2087 | 0.0000 | 96.449 | 2.07794 | 0.00000 | 163183.8 | 37975.0 | 0.0 | U/P |
| 9.933 | 9.2080 | 0.0000 | 96.465 | 2.08123 | 0.00000 | 163920.5 | 38141.4 | 0.0 | U/P |
| 9.956 | 9.2075 | 0.0000 | 96.481 | 2.08452 | 0.00000 | 164657.1 | 38308.0 | 0.0 | U/P |
| 9.978 | 9.2071 | 0.0000 | 96.497 | 2.08781 | 0.00000 | 165393.7 | 38474.9 | 0.0 | U/P |
| 10.000 | 9.2068 | 0.0000 | 96.512 | 2.09108 | 0.00000 | 166130.2 | 38642.0 | 0.0 | U/P |
| 10.022 | 9.1637 | 0.0000 | 96.528 | 2.09435 | 0.00000 | 166865.0 | 38809.5 | 0.0 | U/P |
| 10.044 | 9.0063 | 0.0000 | 96.544 | 2.09758 | 0.00000 | 167591.8 | 38977.1 | 0.0 | U/P |
| 10.067 | 8.6477 | 0.0000 | 96.558 | 2.10072 | 0.00000 | 168298.0 | 39145.1 | 0.0 | U/P |
| 10.089 | 8.0885 | 0.0000 | 96.572 | 2.10369 | 0.00000 | 168967.4 | 39313.3 | 0.0 | U/P |
| 10.111 | 7.4339 | 0.0000 | 96.585 | 2.10641 | 0.00000 | 169588.3 | 39481.7 | 0.0 | U/P |
| 10.133 | 6.7925 | 0.0000 | 96.596 | 2,10885 | 0.00000 | 170157.4 | 39650.3 | 0.0 | U/P |
| 10.156 | 6.2325 | 0.0000 | 96.605 | 2.11099 | 0.00000 | 170678.4 | 39819.1 | 0.0 | U/P |
| 10.178 | 5.8033 | 0.0000 | 96.614 | 2.11288 | 0.00000 | 171159.8 | 39988.0 | 0.0 | U/P |
| 10.200 | 5.5003 | 0.0000 | 96.622 | 2.11458 | 0.00000 | 171612.0 | 40157.1 | 0.0 | U/P |
| 10.222 | 5.2857 | 0.0000 | 96.629 | 2.11612 | 0.00000 | 172043.4 | 40326.4 | 0.0 | U/P |
| 10.244 | 5.1290 | 0.0000 | 96.635 | 2.11757 | 0.00000 | 172460.0 | 40495.7 | 0.0 | U/P |
| 10.267 | 5.0158 | 0.0000 | 96.642 | 2.11894 | 0.00000 | 172865.8 | 40665.2 | 0.0 | U/P |
| 10.289 | 4.9343 | 0.0000 | 96.648 | 2.12026 | 0.00000 | 173263.8 | 40834.8 | 0.0 | U/P |
| 10.311 | 4.8754 | 0.0000 | 96.654 | 2.12154 | 0.00000 | 173656.2 | 41004.4 | 0.0 | U/P |
| 10.333 | 4.8331 | 0.0000 | 96.660 | 2.12279 | 0.00000 | 174044.5 | 41174.2 | 0.0 | U/P |
| 10.356 | 4.8027 | 0.0000 | 96.666 | 2.12402 | 0.00000 | 174430.0 | 41344.1 | 0.0 | U/P |
| 10.378 | 4.7805 | 0.0000 | 96.672 | 2.12523 | 0.00000 | 174813.3 | 41514.0 | 0.0 | U/P |
| 10.400 | 4.7645 | 0.0000 | 96.678 | 2.12643 | 0.00000 | 175195.1 | 41684.1 | 0.0 | U/P |
| 10.422 | 4.7530 | 0.0000 | 96.683 | 2.12763 | 0.00000 | 175575.8 | 41854.3 | 0.0 | U/P |
| 10.444 | 4.7447 | 0.0000 | 96.689 | 2.12881 | 0.00000 | 175955.7 | 42024.5 | 0.0 | U/P |
| 10.467 | 4.7383 | 0.0000 | 96.695 | 2.12999 | 0.00000 | 176335.0 | 42194.9 | 0.0 | U/P |
| 10.489 | 4.7336 | 0.0000 | 96.700 | 2.13117 | 0.00000 | 176713.9 | 42365.3 | 0.0 | U/P |
| 10.511 | 4.7304 | 0.0000 | 96.706 | 2.13234 | 0.00000 | 177092.5 | 42535.9 | 0.0 | U/P |
| 10.533 | 4.7357 | 0.0000 | 96.712 | 2.13352 | 0.00000 | 177471.1 | 42706.5 | 0.0 | U/P |
| 10.556 | 4.7578 | 0.0000 | 96.717 | 2.13469 | 0.00000 | 177850.8 | 42877.2 | 0.0 | U/P |
| 10.578 | 4.8060 | 0.0000 | 96.723 | 2.13588 | 0.00000 | 178233.4 | 43048.1 | 0.0 | U/P |
| 10.600 | 4.8746 | 0.0000 | 96.729 | 2.13708 | 0.00000 | 178620.6 | 43219.0 | 0.0 | U/P |
| 10.622 | 4.9490 | 0.0000 | 96.735 | 2.13831 | 0.00000 | 179013.6 | 43390.0 | 0.0 | U/P |
| 10.644 | 5.0186 | 0.0000 | 96.741 | 2.13957 | 0.00000 | 179412.3 | 43561.1 | 0.0 | U/P |
| 10.667 | 5.0773 | 0.0000 | 96.747 | 2.14087 | 0.00000 | 179816.1 | 43732.3 | 0.0 | U/P |
| 10.689 | 5.1198 | 0.0000 | 96.754 | 2.14218 | 0.00000 | 180224.0 | 43903.6 | 0.0 | U/P |
| 10.711 | 5.1494 | 0.0000 | 96.760 | 2.14352 | 0.00000 | 180634.8 | 44075.1 | 0.0 | U/P |
| 10.733 | 5.1706 | 0.0000 | 96.767 | 2.14487 | 0.00000 | 181047.6 | 44246.6 | 0.0 | U/P |
| 10.756 | 5.1863 | 0.0000 | 96.773 | 2.14622 | 0.00000 | 181461.8 | 44418.2 | 0.0 | U/P |
| 10.778 | 5.1975 | 0.0000 | 96.780 | 2.14758 | 0.00000 | 181877.2 | 44590.0 | 0.0 | U/P |
| 10.800 | 5.2056 | 0.0000 | 96.786 | 2.14895 | 0.00000 | 182293.3 | 44761.9 | 0.0 | U/P |
| 10.822 | 5.2114 | 0.0000 | 96.793 | 2.15031 | 0.00000 | 182710.0 | 44933.8 | 0.0 | U/P |
| 10.844 | 5.2156 | 0.0000 | 96.800 | 2.15168 | 0.00000 | 183127.1 | 45105.9 | 0.0 | U/P |
| 10.867 | 5,2187 | 0.0000 | 96.806 | 2.15305 | 0.00000 | 183544.5 | 45278.1 | 0.0 | U/P |
| 10.889 | 5.2209 | 0.0000 | 96.813 | 2.15442 | 0.00000 | 183962.0 | 45450.4 | 0.0 | U/P |
| 10.911 | 5.2225 | 0.0000 | 96.819 | 2.15579 | 0.00000 | 184379.8 | 45622.8 | 0.0 | U/P |
| 10.933 | 5.2236 | 0.0000 | 96.826 | 2.15715 | 0.00000 | 184797.6 | 45795.3 | 0.0 | U/P |
| 10.956 | 5.2245 | 0.0000 | 96.833 | 2.15852 | 0.00000 | 185215.5 | 45967.9 | 0.0 | U/P |
| 10.978 | 5.2251 | 0.0000 | 96.839 | 2.15989 | 0.00000 | 185633.5 | 46140.7 | 0.0 | U/P |
| 11.000 | 5.2135 | 0.0000 | 96.846 | 2.16125 | 0.00000 | 186051.1 | 46313.5 | 0.0 | U/P |
| 11.022 | 5.1549 | 0.0000 | 96.852 | 2.16260 | 0.00000 | 186465.8 | 46486.5 | 0.0 | U/P |
| 11.044 | 5.0086 | 0.0000 | 96.858 | 2.16392 | 0.00000 | 186872.3 | 46659.5 | 0.0 | U/P |
| 11.067 | 4.7544 | 0.0000 | 96.864 | 2.16517 | 0.00000 | 187262.9 | 46832.7 | 0.0 | U/P |
| 11.089 | 4.4336 | 0.0000 | 96.869 | 2.16632 | 0.00000 | 187630.4 | 47006.0 | 0.0 | U/P |
| 11.111 | 4.1062 | 0.0000 | 96.874 | 2.16732 | 0.00000 | 187972.0 | 47179.3 | 0.0 | U/P |
| 11.133 | 3.8121 | 0.0000 | 96.878 | 2.16819 | 0.00000 | 188288.7 | 47352.7 | 0.0 | U/P |
| 11.156 | 3.5767 | 0.0000 | 96.881 | 2.16892 | 0.00000 | 188584.3 | 47526.2 | 0.0 | U/P |
| 11.178 | 3.4092 | 0.0000 | 96.884 | 2.16955 | 0.00000 | 188863.7 | 47699.8 | 0.0 | U/P |
| 11.200 | 3.2916 | 0.0000 | 96.886 | 2.17011 | 0.00000 | 189131.7 | 47873.4 | 0.0 | U/P |
| 11.222 | 3.2064 | 0.0000 | 96.889 | 2.17061 | 0.00000 | 189391.6 | 48047.0 | 0.0 | U/P |
| 11.244 | 3.1441 | 0.0000 | 96.891 | 2.17107 | 0.00000 | 189645.7 | 48220.7 | 0.0 | U/P |
| 11.267 | 3.0996 | 0.0000 | 96.893 | 2,17150 | 0.00000 | 189895.4 | 48394.4 | 0.0 | U/P |
| 11.289 | 3.0673 | 0.0000 | 96.895 | 2.17191 | 0.00000 | 190142.1 | 48568.1 | 0.0 | U/P |
| 11.311 | 3.0441 | 0.0000 | 96.897 | 2.17231 | 0.00000 | 190386.5 | 48741.9 | 0.0 | U/P |
| 11.333 | 3.0274 | 0.0000 | 96.898 | 2.17270 | 0.00000 | 190629.4 | 48915.7 | 0.0 | U/P |
| 11.356 | 3.0153 | 0.0000 | 96.900 | 2.17308 | 0.00000 | 190871.1 | 49089.5 | 0.0 | U/P |
| 11.378 | 3.0066 | 0.0000 | 96.902 | 2.17345 | 0.00000 | 191112.0 | 49263.4 | 0.0 | U/P |
| 11.400 | 3.0002 | 0.0000 | 96.904 | 2.17382 | 0.00000 | 191352.3 | 49437.2 | 0.0 | U/P |
| 11.422 | 2.9957 | 0.0000 | 96.906 | 2.17418 | 0.00000 | $\ddagger 91592.1$ | 49611.2 | 0.0 | U/P |
| 11.444 | 2.9923 | 0.0000 | 96.907 | 2.17455 | 0.00000 | 191831.6 | 49785.1 | 0.0 | U/P |
| 11.467 | 2.9897 | 0.0000 | 96.909 | 2.17491 | 0.00000 | \$92070.9 | 49959.1 | 0.0 | U/P |
| 11.489 | 2.9879 | 0.0000 | 96.911 | 2.17527 | 0.00000 | 192310.0 | 50133.1 | 0.0 | U/P |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: Pond 8-100 Year / 24 Hour Routing

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (t. datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overliow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 11.511 | 2.9855 | 0.0000 | 96.913 | 2.17563 | 0.00000 | 192548.9 | 50307.1 | 0.0 | U/P |
| 11.533 | 2.9806 | 0.0000 | 96.914 | 2.17599 | 0.00000 | 192787.6 | 50481.2 | 0.0 | U/P |
| 11.556 | 2.9704 | 0.0000 | 96.916 | 2.17634 | 0.00000 | 193025.6 | 50655.3 | 0.0 | U/P |
| 11.578 | 2.9547 | 0.0000 | 96.918 | 2.17669 | 0.00000 | 193262.6 | 50829.4 | 0.0 | U/P |
| 11.600 | 2.9365 | 0.0000 | 96.919 | 2.17703 | 0.00000 | 193498.3 | 51003.6 | 0.0 | U/P |
| 11.622 | 2.9187 | 0.0000 | 96.921 | 2.17737 | 0.00000 | 193732.5 | 51177.7 | 0.0 | U/P |
| 11.644 | 2.9033 | 0.0000 | 96.922 | 2.17770 | 0.00000 | 193965.4 | 51351.9 | 0.0 | U/P |
| 11.667 | 2.8916 | 0.0000 | 96.924 | 2.17802 | 0.00000 | 194197.2 | 51526.2 | 0.0 | U/P |
| 11.689 | 2.8833 | 0.0000 | 96.925 | 2.17833 | 0.00000 | 194428.1 | 51700.4 | 0.0 | U/P |
| 11.711 | 2.8774 | 0.0000 | 96.927 | 2.17865 | 0.00000 | 194658.6 | 51874.7 | 0.0 | U/P |
| 11.733 | 2.8731 | 0.0000 | 96.928 | 2.17895 | 0.00000 | 194888.6 | 52049.0 | 0.0 | U/P |
| 11.756 | 2.8700 | 0.0000 | 96.930 | 2.17926 | 0.00000 | 195118.3 | 52223.3 | 0.0 | U/P |
| 11.778 | 2.8678 | 0.0000 | 96.931 | 2.17957 | 0.00000 | 195347.8 | 52397.7 | 0.0 | U/P |
| 11.800 | 2.8662 | 0.0000 | 96.933 | 2.17987 | 0.00000 | 195577.2 | 52572.1 | 0.0 | U/P |
| 11.822 | 2.8650 | 0.0000 | 96.934 | 2.18017 | 0.00000 | 195806.4 | 52746.5 | 0.0 | U/P |
| 11.844 | 2.8642 | 0.0000 | 96.936 | 2.18047 | 0.00000 | 196035.6 | 52920.9 | 0.0 | U/P |
| 11.867 | 2.8636 | 0.0000 | 96.937 | 2.18078 | 0.00000 | 196264.7 | 53095.3 | 0.0 | U/P |
| 11.889 | 2.8632 | 0.0000 | 96.939 | 2.18108 | 0.00000 | 196493.8 | 53269.8 | 0.0 | U/P |
| 11.911 | 2.8629 | 0.0000 | 96.940 | 2.18138 | 0.00000 | 196722.8 | 53444.3 | 0.0 | U/P |
| 11.933 | 2.8626 | 0.0000 | 96.941 | 2.18168 | 0.00000 | 196951.8 | 53618.8 | 0.0 | U/P |
| 11.950 | 2.8625 | 0.0000 | 96.943 | 2.18198 | 0.00000 | 197180.9 | 53793.4 | 0.0 | U/P |
| 11.978 | 2.8623 | 0.0000 | 96.944 | 2.18228 | 0.00000 | 197409.8 | 53968.0 | 0.0 | U/P |
| 12.000 | 2.8622 | 0.0000 | 96.946 | 2.18258 | 0.00000 | 197638.8 | 54142.6 | 0.0 | U/P |
| 12.022 | 2.8641 | 0.0000 | 96.947 | 2.18288 | 0.00000 | 197867.9 | 54317.2 | 0.0 | U/P |
| 12.044 | 2.8698 | 0.0000 | 96.949 | 2.18318 | 0.00000 | 198097.2 | 54491.8 | 0.0 | U/P |
| 12.067 | 2.8821 | 0.0000 | 96.950 | 2.18348 | 0.00000 | 198327.3 | 54666.5 | 0.0 | U/P |
| 12.089 | 2.8995 | 0.0000 | 96.952 | 2.18379 | 0.00000 | 198558.6 | 54841.2 | 0.0 | U/P |
| 12.111 | 2.9181 | 0.0000 | 96.953 | 2.18410 | 0.00000 | 198791.3 | 55015.9 | 0.0 | U/P |
| 12.133 | 2.9354 | 0.0000 | 96.955 | 2.18443 | 0.00000 | 199025.4 | 55190.6 | 0.0 | U/P |
| 12.156 | 2.9500 | 0.0000 | 96.956 | 2.18476 | 0.00000 | 199260.8 | 55365.4 | 0.0 | U/P |
| 12.178 | 2.9604 | 0.0000 | 96.958 | 2.18509 | 0.00000 | 199497.3 | 55540.2 | 0.0 | U/P |
| 12.200 | 2.9677 | 0.0000 | 96.960 | 2.18543 | 0.00000 | 199734.4 | 55715.0 | 0.0 | U/P |
| 12.222 | 2.9729 | 0.0000 | 96.961 | 2.18578 | 0.00000 | 199972.0 | 55889.9 | 0.0 | U/P |
| 12.244 | 2.9767 | 0.0000 | 96.963 | 2.18612 | 0.00000 | 200210.0 | 56064.7 | 0.0 | U/P |
| 12.267 | 2.9795 | 0.0000 | 96.965 | 2.18647 | 0.00000 | 200448.2 | 56239.6 | 0.0 | U/P |
| 12.289 | 2.9815 | 0.0000 | 96.966 | 2.18682 | 0.00000 | 200686.7 | 56414.6 | 0.0 | U/P |
| 12.311 | 2.9829 | 0.0000 | 96.968 | 2.18717 | 0.00000 | 200925.2 | 56589.5 | 0.0 | U/P |
| 12.333 | 2.9839 | 0.0000 | 96.970 | 2.18752 | 0.00000 | 201163.9 | 56764.5 | 0.0 | U/P |
| 12.356 | 2.9847 | 0.0000 | 96.971 | 2.18787 | 0.00000 | 201402.7 | 56939.5 | 0.0 | U/P |
| 12.378 | 2.9852 | 0.0000 | 96.973 | 2.18822 | 0.00000 | 201641.5 | 57114.6 | 0.0 | U/P |
| 12.400 | 2.9856 | 0.0000 | 96.975 | 2.18857 | 0.00000 | 201880.3 | 57289.6 | 0.0 | U/P |
| 12.422 | 2.9859 | 0.0000 | 96.976 | 2.18892 | 0.00000 | 202119.2 | 57464.7 | 0.0 | U/P |
| 12.444 | $2.986\}$ | 0.0000 | 96.978 | 2.18927 | 0.00000 | 202358.0 | 57639.9 | 0.0 | U/P |
| 12.467 | 2.9863 | 0.0000 | 96.980 | 2.18962 | 0.00000 | 202596.9 | 57815.0 | 0.0 | U/P |
| 12.489 | 2.9864 | 0.0000 | 96.982 | 2.18997 | 0.00000 | 202835.8 | 57990.2 | 0.0 | U/P |
| 12.511 | 2.9859 | 0.0000 | 96.983 | 2.19032 | 0.00000 | 203074.7 | 58165.4 | 0.0 | U/P |
| 12.533 | 2.9828 | 0.0000 | 96.985 | 2.19067 | 0.00000 | 203313.5 | 58340.7 | 0.0 | U/P |
| 12.556 | 2.9749 | 0.0000 | 96.987 | 2.19102 | 0.00000 | 203551.8 | 58515.9 | 0.0 | U/P |
| 12.578 | 2.9610 | 0.0000 | 96.988 | 2.19136 | 0.00000 | 203789.2 | 58691.2 | 0.0 | U/P |
| 12.600 | 2.9433 | 0.0000 | 96.990 | 2.19170 | 0.00000 | 204025.4 | 58866.5 | 0.0 | U/P |
| 12.622 | 2.9250 | 0.0000 | 96.991 | 2.19203 | 0.00000 | 204260.1 | 59041.9 | 0.0 | U/P |
| 12.644 | 2.9086 | 0.0000 | 96.993 | 2.19235 | 0.00000 | 204493.5 | 59217.3 | 0.0 | U/P |
| 12.667 | 2.8954 | 0.0000 | 96.994 | 2.19286 | 0.00000 | 204725.6 | 59392.7 | 0.0 | U/P |
| 12.689 | 2.8859 | 0.0000 | 96,996 | 2.19297 | 0.00000 | 204956.9 | 59568.1 | 0.0 | U/P |
| 12.711 | 2.8793 | 0.0000 | 96.997 | 2.19327 | 0.00000 | 205187.5 | 59743.5 | 0.0 | U/P |
| 12.733 | 2.8745 | 0.0000 | 96.999 | 2.19358 | 0.00000 | 205417.6 | 59919.0 | 0.0 | U/P |
| 12.756 | 2.8710 | 0.0000 | 97.000 | 2.19387 | 0.00000 | 205647.5 | 60094.5 | 0.0 | U/P |
| 12.778 | 2.8685 | 0.0000 | 97.002 | 2.19417 | 0.00000 | 205877.0 | 60270.0 | 0.0 | U/P |
| 12.800 | 2.8667 | 0.0000 | 97.003 | 2.19447 | 0.00000 | 206106.5 | 60445.6 | 0.0 | U/P |
| 12.822 | 2.8654 | 0.0000 | 97.004 | 2.19477 | 0.00000 | 206335.7 | 60621.2 | 0.0 | U/P |
| 12.844 | 2.8645 | 0.0000 | 97.006 | 2.19507 | 0.00000 | 206564.9 | 60796.8 | 0.0 | U/P |
| 12.867 | 2.8638 | 0.0000 | 97.007 | 2.19537 | 0.00000 | 206794.1 | 60972.4 | 0.0 | U/P |
| 12.889 | 2.8633 | 0.0000 | 97.009 | 2.19567 | 0.00000 | 207023.2 | 61148.0 | 0.0 | U/P |
| 12.911 | 2.8630 | 0.0000 | 97.010 | 2.19596 | 0.00000 | 207252.2 | 61323.7 | 0.0 | U/P |
| 12.933 | 2.8627 | 0.0000 | 97.012 | 2.19626 | 0.00000 | 207481.2 | 61499.4 | 0.0 | U/P |
| 12.956 | 2.8625 | 0.0000 | 97.013 | 2.19656 | 0.00000 | 207710.2 | 61675.1 | 0.0 | U/P |
| 12.978 | 2.8624 | 0.0000 | 97.014 | 2.19685 | 0.00000 | 207939.2 | 61850.8 | 0.0 | U/P |
| 13.000 | 2.8623 | 0.0000 | 97.016 | 2.19715 | 0.00000 | 208168.2 | 62026.6 | 0.0 | U/P |
| 13.022 | 2.8539 | 0.0000 | 97.017 | 2.19744 | 0.00000 | 208396.9 | 62202.4 | 0.0 | U/P |
| 13.044 | 2.8232 | 0.0000 | 97.018 | 2.19773 | 0.00000 | 208624.0 | 62378.2 | 0.0 | U/P |
| 13.067 | 2.7535 | 0.0000 | 97.020 | 2.19800 | 0.00000 | 208847.0 | 62554.0 | 0.0 | U/P |
| 13.089 | 2.6447 | 0.0000 | 97.021 | 2.19825 | 0.00000 | 209062.9 | 62729.8 | 0.0 | U/P |
| 13.111 | 2.5174 | 0.0000 | 97.022 | 2.19844 | 0.00000 | 209269.4 | 62905.7 | 0.0 | U/P |
| 13.133 | 2.3927 | 0.0000 | 97.022 | 2.19859 | 0.00000 | 209465.8 | 63081.6 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 8-100 Year $/ 24$ Hour Routing

| Elapsed Time (hours) | inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (fi/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{H}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 13.156 | 2.2838 | 0.0000 | 97.022 | 2.19867 | 0.00000 | 209652.9 | 63257.5 | 0.0 | U/P |
| 13.178 | 2.2003 | 0.0000 | 97.022 | 2.19871 | 0.00000 | 209832.3 | 63433.4 | 0.0 | U/P |
| 13.200 | 2.1414 | 0.0000 | 97.022 | 2.19872 | 0.00000 | 210005.9 | 63609.3 | 0.0 | U/P |
| 13.222 | 2.0997 | 0.0000 | 97.022 | 2.19869 | 0.00000 | 210175.6 | 63785.2 | 0.0 | U/P |
| 13.244 | 2.0692 | 0.0000 | 97.022 | 2.19865 | 0.00000 | 210342.3 | 63961.1 | 0.0 | U/P |
| 13.267 | 2.0472 | 0.0000 | 97.022 | 2.19859 | 0.00000 | 210507.0 | 64137.0 | 0.0 | U/P |
| 13.289 | 2.0313 | 0.0000 | 97.021 | 2.19853 | 0.00000 | 210670.1 | 64312.8 | 0.0 | U/P |
| 13.311 | 2.0199 | 0.0000 | 97.021 | 2.19845 | 0.00000 | 210832.2 | 64488.7 | 0.0 | U/P |
| 13.333 | 2.0117 | 0.0000 | 97.021 | 2.19838 | 0.00000 | 210993.4 | 64664.6 | 0.0 | U/P |
| 13.356 | 2.0057 | 0.0000 | 97.020 | 2.19829 | 0.00000 | 211154.1 | 64840.5 | 0.0 | U/P |
| 13.378 | 2.0014 | 0.0000 | 97.020 | 2.19821 | 0.00000 | 211314.4 | 65016.3 | 0.0 | U/P |
| 13.400 | 1.9983 | 0.0000 | 97.019 | 2.19812 | 0.00000 | 211474.4 | 65192.2 | 0.0 | U/P |
| 13.422 | 1.9961 | 0.0000 | 97.019 | 2.19803 | 0.00000 | 211634.2 | 65368.0 | 0.0 | U/P |
| 13.444 | 1.9944 | 0.0000 | 97.019 | 2.19794 | 0.00000 | 211793.8 | 65543.9 | 0.0 | U/P |
| 13.467 | 1.9932 | 0.0000 | 97.018 | 2.19785 | 0.00000 | 211953.3 | 65719.7 | 0.0 | U/P |
| 13.489 | 1.9923 | 0.0000 | 97.018 | 2.19776 | 0.00000 | 212112.7 | 65895.5 | 0.0 | U/P |
| 13.511 | 1.9917 | 0.0000 | 97.017 | 2.19767 | 0.00000 | 212272.1 | 66071.3 | 0.0 | U/P |
| 13.533 | 1.9909 | 0.0000 | 97.017 | 2.19758 | 0.00000 | 212431.4 | 66247.1 | 0.0 | U/P |
| 13.556 | 1.9894 | 0.0000 | 97.016 | 2.19749 | 0.00000 | 212590.6 | 66423.0 | 0.0 | U/P |
| 13.578 | 1.9863 | 0.0000 | 97.016 | 2.19739 | 0.00000 | 212749.6 | 66598.7 | 0.0 | U/P |
| 13.600 | \{. 9820 | 0.0000 | 97.016 | 2.19730 | 0.00000 | 212908.4 | 66774.5 | 0.0 | U/P |
| 13.622 | 1.9773 | 0.0000 | 97.015 | 2.19720 | 0.00000 | 213066.7 | 66950.3 | 0.0 | U/P |
| 13.644 | 1.9729 | 0.0000 | 97.015 | 2.19711 | 0.00000 | 213224.7 | 67126.1 | 0.0 | U/P |
| 13.667 | 1.9692 | 0.0000 | 97.014 | 2.19701 | 0.00000 | 213382.4 | 67301.8 | 0.0 | U/P |
| 13.689 | 1.9666 | 0.0000 | 97.014 | 2.19691 | 0.00000 | 213539.9 | 67477.6 | 0.0 | U/P |
| 13.711 | 1.9647 | 0.0000 | 97.013 | 2.19680 | 0.00000 | 213697.1 | 67653.4 | 0.0 | U/P |
| 13.733 | 1.9634 | 0.0000 | 97.013 | 2.19670 | 0.00000 | 213854.2 | 67829.1 | 0.0 | U/P |
| 13.756 | 1.9624 | 0.0000 | 97.012 | 2.19660 | 0.00000 | 214011.3 | 68004.8 | 0.0 | U/P |
| 13.778 | 1.9617 | 0.0000 | 97.012 | 2.19649 | 0.00000 | $2 \ddagger 4168.2$ | 68180.6 | 0.0 | U/P |
| 13.800 | 1.9612 | 0.0000 | 97.011 | 2.19639 | 0.00000 | 214325.1 | 68356.3 | 0.0 | U/P |
| 13.822 | 1.9608 | 0.0000 | 97.011 | 2.19628 | 0.00000 | 214482.0 | 68532.0 | 0.0 | U/P |
| \$3.844 | 1.9606 | 0.0000 | 97.010 | 2.19618 | 0.00000 | 214638.9 | 68707.7 | 0.0 | U/P |
| 13.867 | 1.9604 | 0.0000 | 97.010 | 2.19607 | 0.00000 | 214795.7 | 68883.4 | 0.0 | U/P |
| 13.889 | 1.9602 | 0.0000 | 97.009 | 2.19597 | 0.00000 | 214952.5 | 69059.0 | 0.0 | U/P |
| 13.911 | 1.9601 | 0.0000 | 97.009 | 2.19586 | 0.00000 | 215109.4 | 69234.7 | 0.0 | U/P |
| 13.933 | 1.9601 | 0.0000 | 97.008 | 2.19576 | 0.00000 | 215266.2 | 69410.4 | 0.0 | U/P |
| 13.956 | 1.9600 | 0.0000 | 97.008 | 2.19565 | 0.00000 | 215423.0 | 69586.0 | 0.0 | U/P |
| 13.978 | 1.9600 | 0.0000 | 97.007 | 2.19555 | 0.00000 | 215579.8 | 69761.7 | 0.0 | U/P |
| 14.000 | 1.9534 | 0.0000 | 97.007 | 2.19544 | 0.00000 | 215736.3 | 69937.3 | 0.0 | U/P |
| 14.022 | 1.9214 | 0.0000 | 97.006 | 2.19533 | 0.00000 | 215891.3 | 70113.0 | 0.0 | U/P |
| 14.044 | 1.8421 | 0.0000 | 97.005 | 2.19521 | 0.00000 | 216041.8 | 70288.6 | 0.0 | U/P |
| 14.067 | 1.7044 | 0.0000 | 97.005 | 2.19504 | 0.00000 | 216183.7 | 70464.2 | 0.0 | U/P |
| 14.089 | 1.5307 | 0.0000 | 97.003 | 2.19482 | 0.00000 | 216313.1 | 70639.8 | 0.0 | U/P |
| 14.111 | 1.3534 | 0.0000 | 97.002 | 2.19453 | 0.00000 | 216428.5 | 70815.4 | 0.0 | U/P |
| 14.133 | 1.1940 | 0.0000 | 97.000 | 2.19415 | 0.00000 | 216530.4 | 70990.9 | 0.0 | U/P |
| 14.156 | 1.0666 | 0.0000 | 96.998 | 2.19372 | 0.00000 | 216620.8 | 71166.4 | 0.0 | U/P |
| 14.178 | 0.9758 | 0.0000 | 96.995 | 2.19323 | 0.00000 | 216702.5 | 71341.9 | 0.0 | U/P |
| 14.200 | 0.9121 | 0.0000 | 96.992 | 2.19269 | 0.00000 | 216778.0 | 71517.3 | 0.0 | U/P |
| 14.222 | 0.8660 | 0.0000 | 96.990 | 2.19214 | 0.00000 | 216849.1 | 71692.7 | 0.0 | U/P |
| 14.244 | 0.8322 | 0.0000 | 96.987 | 2.19155 | 0.00000 | 216917.0 | 71868.1 | 0.0 | U/P |
| 14.267 | 0.8081 | 0.0000 | 96.984 | 2.19096 | 0.00000 | 216982.7 | 72043.4 | 0.0 | U/P |
| 14.289 | 0.7906 | 0.0000 | 96.981 | 2.19035 | 0.00000 | 217046.6 | 72218.6 | 0.0 | U/P |
| 14.311 | 0.7781 | 0.0000 | 96.978 | 2.18974 | 0.00000 | 217109.4 | 72393.8 | 0.0 | U/P |
| 14.333 | 0.7690 | 0.0000 | 96.975 | 2.18912 | 0.00000 | 217171.2 | 72569.0 | 0.0 | U/P |
| 14.356 | 0.7625 | 0.0000 | 96.972 | 2.18850 | 0.00000 | 217232.5 | 72744.1 | 0.0 | U/P |
| 14.378 | 0.7577 | 0.0000 | 96.969 | 2.18787 | 0.00000 | 217293.3 | 72919.2 | 0.0 | U/P |
| 14.400 | 0.7543 | 0.0000 | 96.966 | 2.18724 | 0.00000 | 217353.8 | 73094.2 | 0.0 | U/P |
| 14.422 | 0.7518 | 0.0000 | 96.963 | 2.18661 | 0.00000 | 217414.0 | 73269.1 | 0.0 | U/P |
| 14.444 | 0.7500 | 0.0000 | 96,960 | 2.18598 | 0.00000 | 217474.1 | 73444.0 | 0.0 | U/P |
| 14.467 | 0.7486 | 0.0000 | 96.957 | 2.18535 | 0.00000 | 217534.0 | 73618.9 | 0.0 | U/P |
| 14.489 | 0.7476 | 0.0000 | 96.954 | 2.18472 | 0.00000 | 217593.9 | 73793.7 | 0.0 | U/P |
| 14.511 | 0.7470 | 0.0000 | 96.951 | 2.18408 | 0.00000 | 217653.7 | 73968.4 | 0.0 | U/P |
| 14.533 | 0.7468 | 0.0000 | 96.948 | 2.18345 | 0.00000 | 217713.4 | 74143.1 | 0.0 | U/P |
| 14.556 | 0.7468 | 0.0000 | 96.945 | 2.18282 | 0.00000 | 217773.2 | 74317.8 | 0.0 | U/P |
| 14.578 | 0.7467 | 0.0000 | 96.942 | 2.18219 | 0.00000 | 217832.9 | 74492.4 | 0.0 | U/P |
| 14.600 | 0.7467 | 0.0000 | 96.939 | 2.18155 | 0.00000 | 217892.7 | 74666.9 | 0.0 | U/P |
| 14.622 | 0.7467 | 0.0000 | 96.936 | 2.18092 | 0.00000 | 217952.4 | 74841.4 | 0.0 | U/P |
| 14.644 | 0.7467 | 0.0000 | 96.933 | 2.18029 | 0.00000 | 218012.1 | 75015.9 | 0.0 | U/P |
| 14.667 | 0.7467 | 0.0000 | 96.930 | 2.17966 | 0.00000 | 218071.9 | 75190.3 | 0.0 | U/P |
| 14.689 | 0.7467 | 0.0000 | 96.926 | 2.17902 | 0.00000 | 218131.6 | 75364.6 | 0.0 | U/P |
| 14.711 | 0.7467 | 0.0000 | 96.923 | 2.17839 | 0.00000 | 218191.3 | 75538.9 | 0.0 | U/P |
| 14.733 | 0.7467 | 0.0000 | 96.920 | 2.17776 | 0.00000 | 218251.1 | 75713.2 | 0.0 | U/P |
| 14.756 | 0.7466 | 0.0000 | 96.917 | 2.17713 | 0.00000 | 218310.8 | 75887.4 | 0.0 | U/P |
| 14.778 | 0.7466 | 0.0000 | 96.914 | 2.17650 | 0.00000 | 218370.5 | 76061.5 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 8-100 Year / 24 Hour Routing

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{t}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative <br> Discharge Volume ( $\mathrm{ft}^{3}$ ) | Fiow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 14.800 | 0.7466 | 0.0000 | 96.911 | 2.17586 | 0.00000 | 218430.3 | 76235.6 | 0.0 | U/P |
| 14.822 | 0.7466 | 0.0000 | 96.908 | 2.17523 | 0.00000 | 218490.0 | 76409.6 | 0.0 | U/P |
| 14.844 | 0.7466 | 0.0000 | 96.905 | 2.17460 | 0.00000 | 218549.7 | 76583.6 | 0.0 | U/P |
| 14.867 | 0.7466 | 0.0000 | 96.902 | 2.17397 | 0.00000 | 218609.5 | 76757.6 | 0.0 | U/P |
| 14.889 | 0.7466 | 0.0000 | 96.899 | 2.17334 | 0.00000 | 218669.2 | 76931.5 | 0.0 | U/P |
| 14.911 | 0.7466 | 0.0000 | 96.896 | 2.17271 | 0.00000 | 218728.9 | 77105.3 | 0.0 | U/P |
| 14.933 | 0.7466 | 0.0000 | 96.893 | 2.17207 | 0.00000 | 218788.6 | 77279.1 | 0.0 | U/P |
| 14.956 | 0.7466 | 0.0000 | 96.890 | 2.17144 | 0.00000 | 218848.4 | 77452.8 | 0.0 | U/P |
| 14.978 | 0.7466 | 0.0000 | 96.887 | 2.17081 | 0.00000 | 218908.1 | 77626.5 | 0.0 | U/P |
| 15.000 | 0.7466 | 0.0000 | 96.884 | 2.17018 | 0.00000 | 218967.8 | 77800.2 | 0.0 | U/P |
| 15.022 | 0.7466 | 0.0000 | 96.881 | 2.16955 | 0.00000 | 219027.6 | 77973.8 | 0.0 | U/P |
| 15.044 | 0.7467 | 0.0000 | 96.878 | 2.16892 | 0.00000 | 219087.3 | 78147.3 | 0.0 | U/P |
| 15.067 | 0.7467 | 0.0000 | 96.875 | 2.16829 | 0.00000 | 219147.0 | 78320.8 | 0.0 | U/P |
| 15.089 | 0.7467 | 0.0000 | 96.872 | 2.16766 | 0.00000 | 219206.8 | 78494.2 | 0.0 | U/P |
| 15.111 | 0.7467 | 0.0000 | 96.869 | 2.16703 | 0.00000 | 219266.5 | 78667.6 | 0.0 | U/P |
| 15.133 | 0.7467 | 0.0000 | 96.866 | 2.16640 | 0.00000 | 219326.2 | 78841.0 | 0.0 | U/P |
| 15.156 | 0.7467 | 0.0000 | 96.863 | 2.16577 | 0.00000 | 219386.0 | 79014.2 | 0.0 | U/P |
| 15.178 | 0.7467 | 0.0000 | 96.860 | 2.16514 | 0.00000 | 219445.7 | 79187.5 | 0.0 | U/P |
| 15.200 | 0.7468 | 0.0000 | 96.857 | 2.16451 | 0.00000 | 219505.5 | 79360.7 | 0.0 | U/P |
| 15.222 | 0.7468 | 0.0000 | 96.854 | 2.16388 | 0.00000 | 219565.2 | 79533.8 | 0.0 | U/P |
| 15.244 | 0.7468 | 0.0000 | 96.851 | 2.16325 | 0.00000 | 219624.9 | 79706.9 | 0.0 | U/P |
| 15.267 | 0.7468 | 0.0000 | 96.847 | 2.16262 | 0.00000 | 219684.7 | 79879.9 | 0.0 | U/P |
| 15.289 | 0.7468 | 0.0000 | 96.844 | 2.16199 | 0.00000 | 219744.4 | 80052.9 | 0.0 | U/P |
| 15.311 | 0.7468 | 0.0000 | 96.841 | 2.16136 | 0.00000 | 219804.2 | 80225.8 | 0.0 | U/P |
| 15.333 | 0.7468 | 0.0000 | 96.838 | 2.16073 | 0.00000 | 219863.9 | 80398.7 | 0.0 | U/P |
| 15.356 | 0.7468 | 0.0000 | 96.835 | 2.16010 | 0.00000 | 219923.6 | 80571.5 | 0.0 | U/P |
| 15.378 | 0.7468 | 0.0000 | 96.832 | 2.15947 | 0.00000 | 219983.4 | 80744.3 | 0.0 | U/P |
| 15.400 | 0.7468 | 0.0000 | 96.829 | 2.15884 | 0.00000 | 220043.1 | 80917.1 | 0.0 | U/P |
| 15.422 | 0.7468 | 0.0000 | 96.826 | 2.15821 | 0.00000 | 220102.9 | 81089.7 | 0.0 | U/P |
| 15.444 | 0.7468 | 0.0000 | 96.823 | 2.15758 | 0.00000 | 220162.6 | 81262.4 | 0.0 | U/P |
| 15.467 | 0.7468 | 0.0000 | 96.820 | 2.15696 | 0.00000 | 220222.4 | 81435.0 | 0.0 | U/P |
| 15.489 | 0.7468 | 0.0000 | 96.817 | 2.15633 | 0.00000 | 220282.1 | 81607.5 | 0.0 | U/P |
| 15.511 | 0.7462 | 0.0000 | 96.814 | 2.15570 | 0.00000 | 220341.8 | 81780.0 | 0.0 | U/P |
| 15.533 | 0.7431 | 0.0000 | 96.811 | 2.15507 | 0.00000 | 220401.4 | 81952.4 | 0.0 | U/P |
| 15.556 | 0.7352 | 0.0000 | 96.808 | 2.15444 | 0.00000 | 220460.5 | 82124.8 | 0.0 | U/P |
| 15.578 | 0.7212 | 0.0000 | 96.805 | 2.15380 | 0.00000 | 220518.8 | 82297.1 | 0.0 | U/P |
| 15.600 | 0.7035 | 0.0000 | 96.802 | 2.15316 | 0.00000 | 220575.8 | 82469.4 | 0.0 | U/P |
| 15.622 | 0.6852 | 0.0000 | 96.799 | 2.15252 | 0.00000 | 220631.3 | 82641.6 | 0.0 | U/P |
| 15.644 | 0.6687 | 0.0000 | 96.796 | 2.15186 | 0.00000 | 220685.5 | 82813.8 | 0.0 | U/P |
| 15.667 | 0.6555 | 0.0000 | 96.792 | 2.15120 | 0.00000 | 220738.4 | 82985.9 | 0.0 | U/P |
| 15.689 | 0.6461 | 0.0000 | 96.789 | 2.15053 | 0.00000 | 220790.5 | 83158.0 | 0.0 | U/P |
| 15.711 | 0.6394 | 0.0000 | 96.786 | 2.14986 | 0.00000 | 220841.9 | 83330.0 | 0.0 | U/P |
| 15.733 | 0.6346 | 0.0000 | 96.783 | 2.14918 | 0.00000 | 220892.9 | 83502.0 | 0.0 | U/P |
| 15.756 | 0.6311 | 0.0000 | 96.779 | 2.14850 | 0.00000 | 220943.5 | 83673.9 | 0.0 | U/P |
| 15.778 | 0.6286 | 0.0000 | 96.776 | 2.14783 | 0.00000 | 220993.9 | 83845.7 | 0.0 | U/P |
| 15.800 | 0.6268 | 0.0000 | 96.773 | 2.14715 | 0.00000 | 221044.1 | 84017.5 | 0.0 | $U / P$ |
| 15.822 | 0.6255 | 0.0000 | 96.770 | 2.14646 | 0.00000 | 221094.2 | 84189.3 | 0.0 | U/P |
| 15.844 | 0.6246 | 0.0000 | 96.766 | 2.14578 | 0.00000 | 221144.2 | 84361.0 | 0.0 | U/P |
| 15.867 | 0.6239 | 0.0000 | 96.763 | 2.14510 | 0.00000 | 221194.2 | 84532.6 | 0.0 | U/P |
| 15.889 | 0.6234 | 0.0000 | 96.760 | 2.14442 | 0.00000 | 221244.0 | 84704.2 | 0.0 | U/P |
| 15.911 | 0.6230 | 0.0000 | 96.756 | 2.14374 | 0.00000 | 221293.9 | 84875.7 | 0.0 | U/P |
| 15.933 | 0.6228 | 0.0000 | 96.753 | 2.14305 | 0.00000 | 221343.7 | 85047.2 | 0.0 | U/P |
| 15.956 | 0.6226 | 0.0000 | 96.750 | 2.14237 | 0.00000 | 221393.5 | 85218.6 | 0.0 | U/P |
| 15.978 | 0.6224 | 0.0000 | 96.747 | 2.14169 | 0.00000 | 221443.3 | 85389.9 | 0.0 | U/P |
| 16.000 | 0.6223 | 0.0000 | 96.743 | 2.14101 | 0.00000 | 221493.1 | 85561.3 | 0.0 | U/P |
| 16.022 | 0.6211 | 0.0000 | 96.740 | 2.14033 | 0.00000 | 221542.9 | 85732.5 | 0.0 | U/P |
| 16.044 | 0.6167 | 0.0000 | 96.737 | 2.13964 | 0.00000 | 221592.4 | 85903.7 | 0.0 | U/P |
| 16.067 | 0.6067 | 0.0000 | 96.733 | 2.13896 | 0.00000 | 221641.3 | 86074.8 | 0.0 | U/P |
| 16.089 | 0.5912 | 0.0000 | 96.730 | 2.13827 | 0.00000 | 221689.2 | 86245.9 | 0.0 | U/P |
| 16.111 | 0.5730 | 0.0000 | 96.727 | 2.13757 | 0.00000 | 221735.8 | 86417.0 | 0.0 | U/P |
| 16.133 | 0.5551 | 0.0000 | 96.723 | 2.13687 | 0.00000 | 221780.9 | 86588.0 | 0.0 | U/P |
| 16.156 | 0.5396 | 0.0000 | 96.720 | 2.13616 | 0.00000 | 221824.7 | 86758.9 | 0.0 | U/P |
| 16.178 | 0.5276 | 0.0000 | 96.716 | 2.13544 | 0.00000 | 221867.4 | 86929.7 | 0.0 | U/P |
| 16.200 | 0.5192 | 0.0000 | 96.713 | 2.13471 | 0.00000 | 221909.3 | 87100.5 | 0.0 | U/P |
| 16.222 | 0.5132 | 0.0000 | 96.709 | 2.13399 | 0.00000 | 221950.6 | 87271.3 | 0.0 | U/P |
| 16.244 | 0.5089 | 0.0000 | 96.706 | 2.13326 | 0.00000 | 221991.5 | 87442.0 | 0.0 | U/P |
| 16.267 | 0.5057 | 0.0000 | 96.702 | 2.13252 | 0.00000 | 222032.0 | 87612.6 | 0.0 | U/P |
| 16.289 | 0.5035 | 0.0000 | 96.699 | 2.13179 | 0.00000 | 222072.4 | 87783.2 | 0.0 | U/P |
| 16.311 | 0.5018 | 0.0000 | 96.695 | 2.13106 | 0.00000 | 222112.6 | 87953.7 | 0.0 | U/P |
| 16.333 | 0.5006 | 0.0000 | 96.692 | 2.13032 | 0.00000 | 222152.7 | 88124.2 | 0.0 | U/P |
| 16.356 | 0.4998 | 0.0000 | 96.688 | 2.12959 | 0.00000 | 222192.7 | 88294.6 | 0.0 | U/P |
| 16.378 | 0.4992 | 0.0000 | 96.685 | 2.12885 | 0.00000 | 222232.7 | 88464.9 | 0.0 | U/P |
| 16.400 | 0.4987 | 0.0000 | 96.681 | 2.12811 | 0.00000 | 222272.6 | 88635.2 | 0.0 | U/P |
| 16.422 | 0.4984 | 0.0000 | 96.678 | 2.12738 | 0.00000 | 222312.5 | 88805.4 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario $1::$ Pond 8 - 100 Year $/ 24$ Hour Routing

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (f datum) | Infititration Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Overfiow Discharge (ft ${ }^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{Hf}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 16.444 | 0.4982 | 0.0000 | 96.674 | 2.12664 | 0.00000 | 222352.4 | 88975.5 | 0.0 | U/P |
| 16.467 | 0.4980 | 0.0000 | 96.670 | 2.12590 | 0.00000 | 222392.2 | 89145.6 | 0.0 | U/P |
| 16.489 | 0.4979 | 0.0000 | 96.667 | 2.12517 | 0.00000 | 222432.0 | 89315.7 | 0.0 | U/P |
| 16.511 | 0.4978 | 0.0000 | 96.663 | 2.12443 | 0.00000 | 222471.9 | 89485.7 | 0.0 | U/P |
| 16.533 | 0.5000 | 0.0000 | 96.660 | 2.12370 | 0.00000 | 222511.8 | 89655.6 | 0.0 | U/P |
| 16.556 | 0.5070 | 0.0000 | 96.656 | 2.12296 | 0.00000 | 222552.1 | 89825.5 | 0.0 | U/P |
| 16.578 | 0.5221 | 0.0000 | 96.653 | 2.12223 | 0.00000 | 222593.2 | 89995.3 | 0.0 | U/P |
| 16.600 | 0.5435 | 0.0000 | 96.649 | 2.12150 | 0.00000 | 222635.8 | 90165.0 | 0.0 | U/P |
| 16.622 | 0.5668 | 0.0000 | 96.646 | 2.12079 | 0.00000 | 222680.3 | 90334.7 | 0.0 | U/P |
| 16.644 | 0.5886 | 0.0000 | 96.643 | 2.12009 | 0.00000 | 222726.5 | 90504.3 | 0.0 | U/P |
| 16.667 | 0.6069 | 0.0000 | 96.639 | 2.11939 | 0.00000 | 222774.3 | 90673.9 | 0.0 | U/P |
| 16.689 | 0.6202 | 0.0000 | 96.636 | 2.11870 | 0.00000 | 222823.4 | 90843.5 | 0.0 | U/P |
| 16.711 | 0.6294 | 0.0000 | 96.633 | 2.11802 | 0.00000 | 222873.4 | 91012.9 | 0.0 | U/P |
| 16.733 | 0.6361 | 0.0000 | 96.629 | 2.11735 | 0.00000 | 222924.0 | 91182.3 | 0.0 | U/P |
| 16.756 | 0.6410 | 0.0000 | 96.626 | 2.11667 | 0.00000 | 222975.1 | 91351.7 | 0.0 | U/P |
| 16.778 | 0.6445 | 0.0000 | 96.623 | 2.11600 | 0.00000 | 223026.5 | 91521.0 | 0.0 | U/P |
| 16.800 | 0.6470 | 0.0000 | 96.620 | 2.11533 | 0.00000 | 223078.1 | 91690.3 | 0.0 | U/P |
| 16.822 | 0.6488 | 0.0000 | 96.617 | 2.11467 | 0.00000 | 223130.0 | 91859.5 | 0.0 | U/P |
| 16.844 | 0.6501 | 0.0000 | 96.613 | 2.11400 | 0.00000 | 223181.9 | 92028.6 | 0.0 | U/P |
| 16.867 | 0.6511 | 0.0000 | 96.610 | 2.11333 | 0.00000 | 223234.0 | 92197.7 | 0.0 | U/P |
| 16.889 | 0.6518 | 0.0000 | 96.607 | 2.11267 | 0.00000 | 223286.1 | 92366.7 | 0.0 | U/P |
| 16.911 | 0.6523 | 0.0000 | 96.604 | 2.11200 | 0.00000 | 223338.3 | 92535.7 | 0.0 | U/P |
| 16.933 | 0.6526 | 0.0000 | 96.600 | 2.11134 | 0.00000 | 223390.5 | 92704.7 | 0.0 | U/P |
| 16.956 | 0.6529 | 0.0000 | 96.597 | 2.11067 | 0.00000 | 223442.7 | 92873.5 | 0.0 | U/P |
| 16.978 | 0.6531 | 0.0000 | 96.594 | 2.11001 | 0.00000 | 223494.9 | 93042.4 | 0.0 | U/P |
| 17.000 | 0.6537 | 0.0000 | 96.591 | 2.10935 | 0.00000 | 223547.2 | 93211.1 | 0.0 | U/P |
| 17.022 | 0.6563 | 0.0000 | 96.588 | 2.10868 | 0.00000 | 223599.6 | 93379.9 | 0.0 | U/P |
| 17.044 | 0.6624 | 0.0000 | 96.585 | 2.10802 | 0.00000 | 223652.3 | 93548.5 | 0.0 | U/P |
| 17.067 | 0.6730 | 0.0000 | 96.581 | 2.10736 | 0.00000 | 223705.8 | 93717.1 | 0.0 | U/P |
| 17.089 | 0.6864 | 0.0000 | 96.578 | 2.10671 | 0.00000 | 223760.1 | 93885.7 | 0.0 | U/P |
| 17.111 | 0.7001 | 0.0000 | 96.575 | 2.10606 | 0.00000 | 223815.6 | 94054.2 | 0.0 | U/P |
| 17.133 | 0.7123 | 0.0000 | 96.572 | 2.10542 | 0.00000 | 223872.1 | 94222.7 | 0.0 | U/P |
| 17.156 | 0.7222 | 0.0000 | 96.569 | 2.10478 | 0.00000 | 223929.5 | 94391.1 | 0.0 | U/P |
| 17.178 | 0.7291 | 0.0000 | 96.566 | 2.10415 | 0.00000 | 223987.5 | 94559.4 | 0.0 | U/P |
| 17.200 | 0.7341 | 0.0000 | 96.563 | 2.10352 | 0.00000 | 224046.0 | 94727.7 | 0.0 | U/P |
| 17.222 | 0.7376 | 0.0000 | 96.560 | 2.10289 | 0.00000 | 224104.9 | 94896.0 | 0.0 | U/P |
| 17.244 | 0.7402 | 0.0000 | 96.557 | 2.10227 | 0.00000 | 224164.0 | 95064.2 | 0.0 | U/P |
| 17.267 | 0.7421 | 0.0000 | 96.554 | 2.10164 | 0.00000 | 224223.3 | 95232.4 | 0.0 | U/P |
| 17.289 | 0.7434 | 0.0000 | 96.551 | 2.10102 | 0.00000 | 224282.7 | 95400.5 | 0.0 | U/P |
| 17.311 | 0.7444 | 0.0000 | 96.548 | 2.10040 | 0.00000 | 224342.3 | 95568.5 | 0.0 | U/P |
| 17.333 | 0.7451 | 0.0000 | 96.545 | 2.09978 | 0.00000 | 224401.8 | 95736.5 | 0.0 | U/P |
| 17.356 | 0.7456 | 0.0000 | 96.542 | 2.09916 | 0.00000 | 224461.5 | 95904.5 | 0.0 | U/P |
| 17.378 | 0.7459 | 0.0000 | 96.539 | 2.09854 | 0.00000 | 224521.1 | 96072.4 | 0.0 | U/P |
| 17.400 | 0.7462 | 0.0000 | 96.536 | 2.09792 | 0.00000 | 224580.8 | 96240.3 | 0.0 | U/P |
| 17.422 | 0.7464 | 0.0000 | 96.533 | 2.09730 | 0.00000 | 224640.5 | 96408.1 | 0.0 | U/P |
| 17.444 | 0.7465 | 0.0000 | 96.530 | 2.09668 | 0.00000 | 224700.2 | 96575.8 | 0.0 | U/P |
| 17.467 | 0.7467 | 0.0000 | 96.527 | 2.09606 | 0.00000 | 224760.0 | 96743.5 | 0.0 | U/P |
| 17.489 | 0.7467 | 0.0000 | 96.524 | 2.09544 | 0.00000 | 224819.7 | 96911.2 | 0.0 | U/P |
| 17.511 | 0.7455 | 0.0000 | 96.521 | 2.09482 | 0.00000 | 224879.4 | 97078.8 | 0.0 | U/P |
| 17.533 | 0.7410 | 0.0000 | 96.518 | 2.09420 | 0.00000 | 224938.8 | 97246.4 | 0.0 | U/P |
| 17.556 | 0.7308 | 0.0000 | 96.515 | 2.09358 | 0.00000 | 224997.7 | 97413.9 | 0.0 | U/P |
| 17.578 | 0.7150 | 0.0000 | 96.512 | 2.09295 | 0.00000 | 225055.5 | 97581.3 | 0.0 | U/P |
| 17.600 | 0.6968 | 0.0000 | 96.509 | 2.09232 | 0.00000 | 225112.0 | 97748.7 | 0.0 | U/P |
| 17.622 | 0.6790 | 0.0000 | 96.506 | 2.09168 | 0.00000 | 225167.0 | 97916.1 | 0.0 | U/P |
| 17.644 | 0.6635 | 0.0000 | 96.503 | 2.09103 | 0.00000 | 225220.7 | 98083.4 | 0.0 | U/P |
| 17.667 | 0.6517 | 0.0000 | 96.500 | 2.09037 | 0.00000 | 225273.3 | 98250.7 | 0.0 | U/P |
| 17.689 | 0.6434 | 0.0000 | 96.496 | 2.08971 | 0.00000 | 225325.1 | 98417.9 | 0.0 | U/P |
| 17.711 | 0.6376 | 0.0000 | 96.493 | 2.08905 | 0.00000 | 225376.4 | 98585.0 | 0.0 | U/P |
| 17.733 | 0.6333 | 0.0000 | 96.490 | 2.08838 | 0.00000 | 225427.2 | 98752.1 | 0.0 | U/P |
| 17.756 | 0.6302 | 0.0000 | 96.487 | 2.08771 | 0.00000 | 225477.8 | 98919.2 | 0.0 | U/P |
| 17.778 | 0.6279 | 0.0000 | 96.483 | 2.08704 | 0.00000 | 225528.1 | 99086.2 | 0.0 | U/P |
| 17.800 | 0.6263 | 0.0000 | 96.480 | 2.08637 | 0.00000 | 225578.3 | 99253.1 | 0.0 | U/P |
| 17.822 | 0.6251 | 0.0000 | 96.477 | 2.08569 | 0.00000 | 225628.3 | 99420.0 | 0.0 | U/P |
| 17.844 | 0.6243 | 0.0000 | 96.474 | 2.08502 | 0.00000 | 225678.3 | 99586.8 | 0.0 | U/P |
| 17.867 | 0.6237 | 0.0000 | 96.471 | 2.08435 | 0.00000 | 225728.2 | 99753.6 | 0.0 | U/P |
| 17.889 | 0.6233 | 0.0000 | 96.467 | 2.08367 | 0.00000 | 225778.1 | 99920.3 | 0.0 | U/P |
| 17.911 | 0.6229 | 0.0000 | 96.464 | 2.08300 | 0.00000 | 225827.9 | 100087.0 | 0.0 | U/P |
| 17.933 | 0.6227 | 0.0000 | 96.461 | 2.08232 | 0.00000 | 225877.8 | 100253.6 | 0.0 | U/P |
| 17.956 | 0.6225 | 0.0000 | 96.458 | 2.08165 | 0.00000 | 225927.6 | 100420.1 | 0.0 | U/P |
| 17.978 | 0.6224 | 0.0000 | 96.454 | 2.08098 | 0.00000 | 225977.4 | 100586.6 | 0.0 | U/P |
| 18.000 | 0.6223 | 0.0000 | 96.451 | 2.08030 | 0.00000 | 226027.2 | 100753.1 | 0.0 | U/P |
| 18.022 | 0.6204 | 0.0000 | 96.448 | 2.07963 | 0.00000 | 226076.9 | 100919.5 | 0.0 | U/P |
| 18.044 | 0.6146 | 0.0000 | 96.445 | 2.07895 | 0.00000 | 226126.3 | 101085.8 | 0.0 | U/P |
| 18.067 | 0.6023 | 0.0000 | $96.44\}$ | 2.07827 | 0.00000 | 226174.9 | 101252.1 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 8-100 Year $/ 24$ Hour Routing

| Elapsed Time (hours) | Inflow Rate (ft3/s) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f} \mathrm{t}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | $\begin{aligned} & \text { Cumulative } \\ & \text { inflow } \\ & \text { volume ( } \mathrm{f}^{3} \text { ) } \end{aligned}$ | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | $\begin{aligned} & \text { Flow } \\ & \text { Type } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 18.089 | 0.5849 | 0.0000 | 96.438 | 2.07759 | 0.00000 | 226222.4 | 101418.4 | 0.0 | U/P |
| 18.111 | 0.5662 | 0.0000 | 96.435 | 2.07690 | 0.00000 | 226268.5 | 101584.5 | 0.0 | U/P |
| 18.133 | 0.5489 | 0.0000 | 96.431 | 2.07620 | 0.00000 | 226313.1 | 101750.7 | 0.0 | U/P |
| 18.156 | 0.5343 | 0.0000 | 96.428 | 2.07549 | 0.00000 | 226356.4 | 101916.7 | 0.0 | U/P |
| 18.178 | 0.5239 | 0.0000 | 96.424 | 2.07478 | 0.00000 | 226398.7 | 102082.7 | 0.0 | U/P |
| 18.200 | 0.5166 | 0.0000 | 96.421 | 2.07406 | 0.00000 | 226440.4 | 102248.7 | 0.0 | U/P |
| 18.222 | 0.5114 | 0.0000 | 96.417 | 2.07334 | 0.00000 | 226481.5 | 102414.6 | 0.0 | U/P |
| 18.244 | 0.5075 | 0.0000 | 96.414 | 2.07261 | 0.00000 | 226522.2 | 102580.4 | 0.0 | U/P |
| 18.267 | 0.5047 | 0.0000 | 96.410 | 2.07189 | 0.00000 | 226562.7 | 102746.2 | 0.0 | U/P |
| 18.289 | 0.5027 | 0.0000 | 96.407 | 2.07116 | 0.00000 | 226603.0 | 102911.9 | 0.0 | U/P |
| 18.311 | 0.5013 | 0.0000 | 96.403 | 2.07043 | 0.00000 | 226643.2 | 103077.6 | 0.0 | U/P |
| 18.333 | 0.5003 | 0.0000 | 96.400 | 2.06970 | 0.00000 | 226683.3 | 103243.2 | 0.0 | U/P |
| 18.356 | 0.4995 | 0.0000 | 96.396 | 2.06897 | 0.00000 | 226723.2 | 103408.7 | 0.0 | U/P |
| 18.378 | 0.4990 | 0.0000 | 96.393 | 2.06824 | 0.00000 | 226763.2 | 103574.2 | 0.0 | U/P |
| 18.400 | 0.4986 | 0.0000 | 96.389 | 2.06752 | 0.00000 | 226803.1 | 103739.7 | 0.0 | U/P |
| 18.422 | 0.4983 | 0.0000 | 96.386 | 2.06679 | 0.00000 | 226843.0 | 103905.0 | 0.0 | U/P |
| 18.444 | 0.4981 | 0.0000 | 96.382 | 2.06606 | 0.00000 | 226882.8 | 104070.4 | 0.0 | U/P |
| 18.467 | 0.4980 | 0.0000 | 96.379 | 2.06533 | 0.00000 | 226922.7 | 104235.6 | 0.0 | U/P |
| 18.489 | 0.4978 | 0.0000 | 96.375 | 2.06460 | 0.00000 | 226962.5 | 104400.8 | 0.0 | U/P |
| 18.511 | 0.4984 | 0.0000 | 96.372 | 2.06387 | 0.00000 | 227002.3 | 104565.9 | 0.0 | U/P |
| 18.533 | 0.5015 | 0.0000 | 96.368 | 2.06314 | 0.00000 | 227042.3 | 104731.0 | 0.0 | U/P |
| 18.556 | 0.5093 | 0.0000 | 96.365 | 2.06241 | 0.00000 | 227082.8 | 104896.0 | 0.0 | U/P |
| 18.578 | 0.5233 | 0.0000 | 96.361 | 2.06169 | 0.00000 | 227124.1 | 105061.0 | 0.0 | U/P |
| 18.600 | 0.5410 | 0.0000 | 96.358 | 2.06097 | 0.00000 | 227166.6 | 105225.9 | 0.0 | U/P |
| 18.622 | 0.5593 | 0.0000 | 96.354 | 2.06026 | 0.00000 | 227210.7 | 105390.8 | 0.0 | U/P |
| 18.644 | 0.5758 | 0.0000 | 96.351 | 2.05956 | 0.00000 | 227256.1 | 105555.6 | 0.0 | U/P |
| 18.667 | 0.5890 | 0.0000 | 96.348 | 2.05887 | 0.00000 | 227302.6 | 105720.3 | 0.0 | U/P |
| 18.689 | 0.5985 | 0.0000 | 96.345 | 2.05818 | 0.00000 | 227350.1 | 105885.0 | 0.0 | U/P |
| 18.711 | 0.6051 | 0.0000 | 96.341 | 2.05750 | 0.00000 | 227398.3 | 106049.6 | 0.0 | U/P |
| 18.733 | 0.6099 | 0.0000 | 96.338 | 2.05682 | 0.00000 | 227446.9 | 106214.2 | 0.0 | U/P |
| 18.756 | 0.6134 | 0.0000 | 96.335 | 2.05614 | 0.00000 | 227485.8 | 106378.7 | 0.0 | U/P |
| 18.778 | 0.6159 | 0.0000 | 96.331 | 2.05547 | 0.00000 | 227545.0 | 106543.1 | 0.0 | U/P |
| 18.800 | 0.6177 | 0.0000 | 96.328 | 2.05479 | 0.00000 | 227594.3 | 106707.6 | 0.0 | U/P |
| 18.822 | 0.6190 | 0.0000 | 96.325 | 2.05412 | 0.00000 | 227643.8 | 106871.9 | 0.0 | U/P |
| 18.844 | 0.6199 | 0.0000 | 96.322 | 2.05345 | 0.00000 | 227693.4 | 107036.2 | 0.0 | U/P |
| 18.867 | 0.6206 | 0.0000 | 96.319 | 2.05278 | 0.00000 | 227743.0 | 107200.5 | 0.0 | U/P |
| 18.889 | 0.6211 | 0.0000 | 96.315 | 2.05210 | 0.00000 | 227792.7 | 107364.7 | 0.0 | U/P |
| 18.911 | 0.6215 | 0.0000 | 96.312 | 2.05143 | 0.00000 | 227842.4 | 107528.8 | 0.0 | U/P |
| 18.933 | 0.6217 | 0.0000 | 96.309 | 2.05076 | 0.00000 | 227892.1 | 107692.9 | 0.0 | U/P |
| 18.956 | 0.6219 | 0.0000 | 96.306 | 2.05009 | 0.00000 | 227941.8 | 107856.9 | 0.0 | U/P |
| 18.978 | 0.6221 | 0.0000 | 96.302 | 2.04942 | 0.00000 | 227991.6 | 108020.9 | 0.0 | U/P |
| 19.000 | 0.6222 | 0.0000 | 96.299 | 2.04875 | 0.00000 | 228041.4 | 108184.8 | 0.0 | U/P |
| 19.022 | 0.6199 | 0.0000 | 96.296 | 2.04808 | 0.00000 | 228091.0 | 108348.7 | 0.0 | U/P |
| 19.044 | 0.6111 | 0.0000 | 96.293 | 2.04741 | 0.00000 | 228140.3 | 108512.5 | 0.0 | U/P |
| 19.067 | 0.5912 | 0.0000 | 96.289 | 2.04674 | 0.00000 | 228188.4 | 108676.3 | 0.0 | U/P |
| 19.089 | 0.5601 | 0.0000 | 96.286 | 2.04605 | 0.00000 | 228234.4 | 108840.0 | 0.0 | U/P |
| 19.111 | 0.5237 | 0.0000 | 96.283 | 2.04535 | 0.00000 | 228277.8 | 109003.7 | 0.0 | U/P |
| 19.133 | 0.4881 | 0.0000 | 96.279 | 2.04464 | 0.00000 | 228318.3 | 109167.3 | 0.0 | U/P |
| 19.156 | 0.4570 | 0.0000 | 96.276 | 2.04391 | 0.00000 | 228356.1 | 109330.8 | 0.0 | U/P |
| 19.178 | 0.4331 | 0.0000 | 96.272 | 2.04316 | 0.00000 | 228391.7 | 109494.3 | 0.0 | U/P |
| 19.200 | 0.4163 | 0.0000 | 96.268 | 2.04240 | 0.00000 | 228425.6 | 109657.7 | 0.0 | U/P |
| 19.222 | 0.4043 | 0.0000 | 96.265 | 2.04164 | 0.00000 | 228458.5 | 109821.1 | 0.0 | U/P |
| 19.244 | 0.3956 | 0.0000 | 96.261 | 2.04087 | 0.00000 | 228490.5 | 109984.4 | 0.0 | U/P |
| 19.267 | 0.3893 | 0.0000 | 96.257 | 2.04009 | 0.00000 | 228521.9 | 110147.6 | 0.0 | U/P |
| 19.289 | 0.3848 | 0.0000 | 96.253 | 2.03931 | 0.00000 | 228552.8 | 110310.8 | 0.0 | U/P |
| 19.311 | 0.3815 | 0.0000 | 96.250 | 2.03853 | 0.00000 | 228583.5 | 110473.9 | 0.0 | U/P |
| 19.333 | 0.3792 | 0.0000 | 96.246 | 2.03775 | 0.00000 | 228613.9 | 110637.0 | 0.0 | U/P |
| 19.356 | 0.3775 | 0.0000 | 96.242 | 2.03697 | 0.00000 | 228644.2 | 110799.9 | 0.0 | U/P |
| 19.378 | 0.3763 | 0.0000 | 96.238 | 2.03619 | 0.00000 | 228674.3 | 110962.9 | 0.0 | U/P |
| 19.400 | 0.3754 | 0.0000 | 96.235 | 2.03540 | 0.00000 | 228704.4 | 111125.7 | 0.0 | U/P |
| 19.422 | 0.3747 | 0.0000 | 96.231 | 2.03462 | 0.00000 | 228734.4 | 111288.5 | 0.0 | U/P |
| 19.444 | 0.3743 | 0.0000 | 96.227 | 2.03383 | 0.00000 | 228764.3 | 111451.3 | 0.0 | U/P |
| 19.467 | 0.3739 | 0.0000 | 96.223 | 2.03305 | 0.00000 | 228794.3 | 111613.9 | 0.0 | U/P |
| 19.489 | 0.3736 | 0.0000 | 96.219 | 2.03226 | 0.00000 | 228824.2 | 111776.6 | 0.0 | U/P |
| 19.511 | 0.3735 | 0.0000 | 96.216 | 2.03148 | 0.00000 | 228854.1 | 111939.1 | 0.0 | U/P |
| 19.533 | 0.3755 | 0.0000 | 96.212 | 2.03069 | 0.00000 | 228884.0 | 112101.6 | 0.0 | U/P |
| 19.556 | 0.3822 | 0.0000 | 96.208 | 2.02991 | 0.00000 | 228914.3 | 112264.0 | 0.0 | U/P |
| 19.578 | 0.3967 | 0.0000 | 96.204 | 2.02913 | 0.00000 | 228945.5 | 112426.4 | 0.0 | U/P |
| 19.600 | 0.4173 | 0.0000 | 96.201 | 2.02836 | 0.00000 | 228978.0 | 112588.7 | 0.0 | U/P |
| 19.622 | 0.4396 | 0.0000 | 96.197 | 2.02759 | 0.00000 | 229012.3 | 112750.9 | 0.0 | U/P |
| 19.644 | 0.4605 | 0.0000 | 96.193 | 2.02684 | 0.00000 | 229048.3 | 112913.1 | 0.0 | U/P |
| 19.667 | 0.4782 | 0.0000 | 96.190 | 2.02610 | 0.00000 | 229085.9 | 113075.2 | 0.0 | U/P |
| 19.689 | 0.4909 | 0.0000 | 96.186 | 2.02536 | 0.00000 | 229124.6 | 113237.3 | 0.0 | U/P |
| 19.711 | 0.4998 | 0.0000 | 96.183 | 2.02463 | 0.00000 | 229164.3 | 113399.3 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 8 - 100 Year / 24 Hour Routing

| Elapsed Time (hours) | knflow Rate ( $\mathrm{ft}^{3 / 3 / 5 \text { ) }) ~}$ | Outside Recharge (ft/day) | Stage Elevation (fl datum) | Infiltration Rate ( $\mathrm{ft}^{3 /} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ff}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{fl}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 19.733 | 0.5062 | 0.0000 | 96.179 | 2.02391 | 0.00000 | 229204.5 | 113561.2 | 0.0 | U/P |
| 19.756 | 0.5109 | 0.0000 | 96.176 | 2.02319 | 0.00000 | 229245.2 | 113723.1 | 0.0 | U/P |
| 19.778 | 0.5142 | 0.0000 | 96.172 | 2.02247 | 0.00000 | 229286.2 | 113884.9 | 0.0 | U/P |
| 19.800 | 0.5166 | 0.0000 | 96.169 | 2.02175 | 0.00000 | 229327.4 | 114046.7 | 0.0 | U/P |
| 19.822 | 0.5184 | 0.0000 | 96.166 | 2.02103 | 0.00000 | 229368.8 | 114208.4 | 0.0 | U/P |
| 19.844 | 0.5196 | 0.0000 | 96.162 | 2.02032 | 0.00000 | 229410.3 | 114370.1 | 0.0 | U/P |
| 19.867 | 0.5206 | 0.0000 | 96.159 | 2.01960 | 0.00000 | 229452.0 | 114531.6 | 0.0 | U/P |
| 19.889 | 0.5212 | 0.0000 | 96.155 | 2.01889 | 0.00000 | 229493.6 | 114693.2 | 0.0 | U/P |
| 19.911 | 0.5217 | 0.0000 | 96.152 | 2.01818 | 0.00000 | 229535.3 | 114854.7 | 0.0 | U/P |
| 19.933 | 0.5220 | 0.0000 | 96.148 | 2.01746 | 0.00000 | 229577.1 | 115016.1 | 0.0 | U/P |
| 19.956 | 0.5223 | 0.0000 | 96.145 | 2.01675 | 0.00000 | 229618.9 | 115177.5 | 0.0 | U/P |
| 19.978 | 0.5225 | 0.0000 | 96.142 | 2.01604 | 0.00000 | 229660.7 | 115338.8 | 0.0 | U/P |
| 20.000 | 0.5211 | 0.0000 | 96.138 | 2.01533 | 0.00000 | 229702.4 | 115500.0 | 0.0 | U/P |
| 20.022 | 0.5140 | 0.0000 | 96.135 | 2.01461 | 0.00000 | 229743.8 | 115661.2 | 0.0 | U/P |
| 20.044 | 0.4962 | 0.0000 | 96.131 | 2.01389 | 0.00000 | 229784.2 | 115822.4 | 0.0 | U/P |
| 20.067 | 0.4651 | 0.0000 | 96.128 | 2.01317 | 0.00000 | 229822.7 | 115983.5 | 0.0 | U/P |
| 20.089 | 0.4259 | 0.0000 | 96.124 | 2.01243 | 0.00000 | 229858.3 | 116144.5 | 0.0 | U/P |
| 20.111 | 0.3859 | 0.0000 | 96.120 | 2.01167 | 0.00000 | 229890.8 | 116305.4 | 0.0 | U/P |
| 20.133 | 0.3499 | 0.0000 | 96.117 | 2.01089 | 0.00000 | 229920.2 | 116466.3 | 0.0 | U/P |
| 20.156 | 0.3211 | 0.0000 | 96.113 | 2.01010 | 0.00000 | 229947.0 | 116627.2 | 0.0 | U/P |
| 20.178 | 0.3006 | 0.0000 | 96.109 | 2.00929 | 0.00000 | 229971.9 | 116788.0 | 0.0 | U/P |
| 20.200 | 0.2863 | 0.0000 | 96.105 | 2.00847 | 0.00000 | 229995.4 | 116948.7 | 0.0 | U/P |
| 20.222 | 0.2758 | 0.0000 | 96.101 | 2.00765 | 0.00000 | 230017.9 | 117109.3 | 0.0 | U/P |
| 20.244 | 0.2682 | 0.0000 | 96.097 | 2.00682 | 0.00000 | 230039.6 | 117269.9 | 0.0 | U/P |
| 20.267 | 0.2628 | 0.0000 | 96.093 | 2.00599 | 0.00000 | 230060.9 | 117430.4 | 0.0 | U/P |
| 20.289 | 0.2588 | 0.0000 | 96.089 | 2.00515 | 0.00000 | 230081.7 | 117590.9 | 0.0 | U/P |
| 20.311 | 0.2560 | 0.0000 | 96.085 | 2.00431 | 0.00000 | 230102.3 | 117751.2 | 0.0 | U/P |
| 20.333 | 0.2540 | 0.0000 | 96.081 | 2.00348 | 0.00000 | 230122.7 | 177911.5 | 0.0 | U/P |
| 20.356 | 0.2525 | 0.0000 | 96.077 | 2.00264 | 0.00000 | 230143.0 | 118071.8 | 0.0 | U/P |
| 20.378 | 0.2514 | 0.0000 | 96.073 | 2.00180 | 0.00000 | 230163.1 | 118232.0 | 0.0 | U/P |
| 20.400 | 0.2506 | 0.0000 | 96.069 | 2.00095 | 0.00000 | 230183.2 | 118392.1 | 0.0 | U/P |
| 20.422 | 0.2501 | 0.0000 | 96.065 | 2.00011 | 0.00000 | 230203.3 | 118552.1 | 0.0 | U/P |
| 20.444 | 0.2497 | 0.0000 | 96.061 | 1.99927 | 0.00000 | 230223.3 | 118712.1 | 0.0 | U/P |
| 20.467 | 0.2493 | 0.0000 | 96.056 | 1.99843 | 0.00000 | 230243.2 | 118872.0 | 0.0 | U/P |
| 20.489 | 0.2491 | 0.0000 | 96.052 | 1.99759 | 0.00000 | 230263.1 | 119031.8 | 0.0 | U/P |
| 20.511 | 0.2503 | 0.0000 | 96.048 | 1.99675 | 0.00000 | 230283.1 | 119191.6 | 0.0 | U/P |
| 20.533 | 0.2547 | 0.0000 | 96.044 | 1.99591 | 0.00000 | 230303.3 | 119351.3 | 0.0 | U/P |
| 20.556 | 0.2650 | 0.0000 | 96.040 | 1.99507 | 0.00000 | 230324.1 | 119511.0 | 0.0 | U/P |
| 20.578 | 0.2807 | 0.0000 | 96.036 | 1.99423 | 0.00000 | 230345.9 | 119670.5 | 0.0 | U/P |
| 20.600 | 0.2989 | 0.0000 | 96.032 | 1.99341 | 0.00000 | 230369.1 | 119830.0 | 0.0 | U/P |
| 20.622 | 0.3167 | 0.0000 | 96.028 | 1.99259 | 0.00000 | 230393.7 | 119989.5 | 0.0 | U/P |
| 20.644 | 0.3321 | 0.0000 | 96.025 | 1.99178 | 0.00000 | 230419.7 | 120148.9 | 0.0 | U/P |
| 20.667 | 0.3439 | 0.0000 | 96.021 | 1.99098 | 0.00000 | 230446.7 | 120308.2 | 0.0 | U/P |
| 20.689 | 0.3522 | 0.0000 | 96.017 | 1.99018 | 0.00000 | 230474.6 | 120467.4 | 0.0 | U/P |
| 20.711 | 0.3581 | 0.0000 | 96.013 | 1.98939 | 0.00000 | 230503.0 | 120626.6 | 0.0 | U/P |
| 20.733 | 0.3623 | 0.0000 | 96.009 | 1.98860 | 0.00000 | 230531.8 | 120785.7 | 0.0 | U/P |
| 20.756 | 0.3654 | 0.0000 | 96.005 | 1.98782 | 0.00000 | 230560.9 | 120944.8 | 0.0 | U/P |
| 20.778 | 0.3677 | 0.0000 | 96.002 | 1.98703 | 0.00000 | 230590.2 | 121103.8 | 0.0 | U/P |
| 20.800 | 0.3693 | 0.0000 | 95.998 | 1.98625 | 0.00000 | 230619.7 | 121262.7 | 0.0 | U/P |
| 20.822 | 0.3705 | 0.0000 | 95.994 | 1.98548 | 0.00000 | 230649.3 | 121421.6 | 0.0 | U/P |
| 20.844 | 0.3713 | 0.0000 | 95.990 | 1.98471 | 0.00000 | 230679.0 | 121580.4 | 0.0 | U/P |
| 20.867 | 0.3719 | 0.0000 | 95.987 | 1.98394 | 0.00000 | 230708.7 | 121739.1 | 0.0 | U/P |
| 20.889 | 0.3723 | 0.0000 | 95.983 | 1.98317 | 0.00000 | 230738.5 | 121897.8 | 0.0 | U/P |
| 20.911 | 0.3727 | 0.0000 | 95.979 | 1.98240 | 0.00000 | 230768.3 | 122056.4 | 0.0 | U/P |
| 20.933 | 0.3729 | 0.0000 | 95.975 | 1.98163 | 0.00000 | 230798.1 | 122215.0 | 0.0 | U/P |
| 20.956 | 0.3731 | 0.0000 | 95.972 | 1.98086 | 0.00000 | 230827.9 | 122373.5 | 0.0 | U/P |
| 20.978 | 0.3732 | 0.0000 | 95.968 | 1.98010 | 0.00000 | 230857.8 | 122531.9 | 0.0 | U/P |
| 21.000 | 0.3733 | 0.0000 | 95.964 | 1.97933 | 0.00000 | 230887,6 | 122690.3 | 0.0 | U/P |
| 21.022 | 0.3715 | 0.0000 | 95.960 | 1.97856 | 0.00000 | 230917.4 | 122848.6 | 0.0 | U/P |
| 21.044 | 0.3657 | 0.0000 | 95.957 | 1.97779 | 0.00000 | 230946.9 | 123006.9 | 0.0 | U/P |
| 21.067 | 0.3534 | 0.0000 | 95.953 | 1.97702 | 0.00000 | 230975.7 | 123165.1 | 0.0 | U/P |
| 21.089 | 0.3360 | 0.0000 | 95.949 | 1.97624 | 0.00000 | 231003.3 | 123323.2 | 0.0 | U/P |
| 21.111 | 0.3174 | 0.0000 | 95.945 | 1.97545 | 0.00000 | 231029.4 | 123481.3 | 0.0 | U/P |
| 21.133 | 0.3000 | 0.0000 | 95.941 | 1.97466 | 0.00000 | 231054.1 | 123639.3 | 0.0 | U/P |
| 21.156 | 0.2855 | 0.0000 | 95.937 | 1.97386 | 0.00000 | 231077.5 | 123797.2 | 0.0 | U/P |
| 21.178 | 0.2750 | 0.0000 | 95.933 | 1.97305 | 0.00000 | 231099.9 | 123955.1 | 0.0 | U/P |
| 21.200 | 0.2678 | 0.0000 | 95.929 | 1.97223 | 0.00000 | 231121.6 | 124112.9 | 0.0 | U/P |
| 21.222 | 0.2625 | 0.0000 | 95.925 | 1.97142 | 0.00000 | 231142.9 | 124270.6 | 0.0 | U/P |
| 21.244 | 0.2587 | 0.0000 | 95.921 | 1.97060 | 0.00000 | 231163.7 | 124428.3 | 0.0 | U/P |
| 21.267 | 0.2559 | 0.0000 | 95.917 | 1.96977 | 0.00000 | 231184.3 | 124585.9 | 0.0 | U/P |
| 21.289 | 0.2539 | 0.0000 | 95.913 | 1.96895 | 0.00000 | 231204.7 | 124743.5 | 0.0 | U/P |
| 21.311 | 0.2525 | 0.0000 | 95.909 | 1.96813 | 0.00000 | 231224.9 | 124901.0 | 0.0 | U/P |
| 21.333 | 0.2515 | 0.0000 | 95.905 | 1.96730 | 0.00000 | 231245.1 | 125058.4 | 0.0 | U/P |
| 21.356 | 0.2507 | 0.0000 | 95.901 | 1.96648 | 0.00000 | 231265.2 | 125215.7 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 8 - 100 Year / 24 Hour Routing

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation ( ft datum) | Infilltration Rate ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{t} \mathrm{t}^{3} \mathrm{~s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{H}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{fl}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 21.378 | 0.2502 | 0.0000 | 95.897 | 1.96565 | 0.00000 | 231285.2 | 125373.0 | 0.0 | U/P |
| 21.400 | 0.2498 | 0.0000 | 95.893 | 1.96482 | 0.00000 | 231305.2 | 125530.2 | 0.0 | U/P |
| 21.422 | 0.2495 | 0.0000 | 95.889 | 1.96400 | 0.00000 | 231325.2 | 125687.4 | 0.0 | U/P |
| 21.444 | 0.2493 | 0.0000 | 95.885 | 1.96317 | 0.00000 | 231345.2 | 125844.5 | 0.0 | U/P |
| 21.467 | 0.2492 | 0.0000 | 95.881 | 1.96235 | 0.00000 | 231365.1 | 126001.5 | 0.0 | U/P |
| 21.489 | 0.2490 | 0.0000 | 95.877 | 1.96152 | 0.00000 | 231385.0 | 126158.5 | 0.0 | U/P |
| 21.511 | 0.2502 | 0.0000 | 95.873 | 1.96069 | 0.00000 | 231405.0 | 126315.3 | 0.0 | U/P |
| 21.533 | 0.2564 | 0.0000 | 95.869 | 1.95987 | 0.00000 | 231425.3 | 126472.2 | 0.0 | U/P |
| 21,556 | 0.2721 | 0.0000 | 95.865 | 1.95905 | 0.00000 | 231446.4 | 126628.9 | 0.0 | U/P |
| 21.578 | 0.3000 | 0.0000 | 95.861 | 1.95823 | 0.00000 | 231469.3 | 126785.6 | 0.0 | U/P |
| 21.600 | 0.3355 | 0.0000 | 95.857 | 1.95743 | 0.00000 | 231494.7 | 126942.2 | 0.0 | U/P |
| 21.622 | 0.3719 | 0.0000 | 95.853 | 1.95665 | 0.00000 | 231523.0 | 127098.8 | 0.0 | U/P |
| 21.644 | 0.4048 | 0.0000 | 95.849 | 1.95588 | 0.00000 | 231554.1 | 127255.3 | 0.0 | U/P |
| 21.667 | 0.4313 | 0.0000 | 95.846 | 1.95513 | 0.00000 | 231587.5 | 127411.7 | 0.0 | U/P |
| 21.689 | 0.4502 | 0.0000 | 95.842 | 1.95439 | 0.00000 | 231622.8 | 127568.1 | 0.0 | U/P |
| 21.711 | 0.4634 | 0.0000 | 95.839 | 1.95366 | 0.00000 | 231659.3 | 127724.4 | 0.0 | U/P |
| 21.733 | 0.4730 | 0.0000 | 95.835 | 1.95294 | 0.00000 | 231696.8 | 127880.7 | 0.0 | U/P |
| 21.756 | 0.4800 | 0.0000 | 95.832 | 1.95222 | 0.00000 | 231734.9 | 128036.9 | 0.0 | U/P |
| 21.778 | 0.4850 | 0.0000 | 95.828 | 1.95151 | 0.00000 | 231773.5 | 128193.1 | 0.0 | U/P |
| 21.800 | 0.4886 | 0.0000 | 95.825 | 1.95080 | 0.00000 | 231812.4 | 128349.1 | 0.0 | U/P |
| 21.822 | 0.4912 | 0.0000 | 95.821 | 1.95009 | 0.00000 | 231851.6 | 128505.2 | 0.0 | U/P |
| 21.844 | 0.4931 | 0.0000 | 95.818 | 1.94938 | 0.00000 | 231891.0 | 128661.2 | 0.0 | U/P |
| 21.867 | 0.4945 | 0.0000 | 95.814 | 1.94867 | 0.00000 | 231930.5 | 128817.1 | 0.0 | U/P |
| 21.889 | 0.4955 | 0.0000 | 95.811 | 1.94797 | 0.00000 | 231970.1 | 128973.0 | 0.0 | U/P |
| 21.911 | 0.4962 | 0.0000 | 95.807 | 1.94726 | 0.00000 | 232009.8 | 129128.8 | 0.0 | U/P |
| 21.933 | 0.4967 | 0.0000 | 95.804 | 1.94655 | 0.00000 | 232049.5 | 129284.5 | 0.0 | U/P |
| 21.956 | 0.4971 | 0.0000 | 95.800 | 1.94585 | 0.00000 | 232089.2 | 129440.2 | 0.0 | U/P |
| 21.978 | 0.4974 | 0.0000 | 95.797 | 1.94514 | 0.00000 | 232129.0 | 129595.9 | 0.0 | U/P |
| 22.000 | 0.4976 | 0.0000 | 95.794 | 1.94444 | 0.00000 | 232168.8 | 129751.4 | 0.0 | U/P |
| 22.022 | 0.4953 | 0.0000 | 95.790 | 1.94374 | 0.00000 | 232208.5 | 129907.0 | 0.0 | U/P |
| 22.044 | 0.4866 | 0.0000 | 95.787 | 1.94303 | 0.00000 | 232247.8 | 130062.4 | 0.0 | U/P |
| 22.067 | 0.4667 | 0.0000 | 95.783 | 1.94232 | 0.00000 | 232285.9 | 130217.8 | 0.0 | U/P |
| 22.089 | 0.4356 | 0.0000 | 95.780 | 1.94160 | 0.00000 | 232322.0 | 130373.2 | 0.0 | U/P |
| 22.111 | 0.3993 | 0.0000 | 95.776 | 1.94086 | 0.00000 | 232355.4 | 130528.5 | 0.0 | U/P |
| 22.133 | 0.3636 | 0.0000 | 95.772 | 1.94011 | 0.00000 | 232385.9 | 130683.7 | 0.0 | U/P |
| 22.156 | 0.3325 | 0.0000 | 95.768 | 1.93934 | 0.00000 | 232413.8 | 130838.9 | 0.0 | U/P |
| 22.178 | 0.3087 | 0.0000 | 95.765 | 1.93856 | 0.00000 | 232439.4 | 130994.0 | 0.0 | U/P |
| 22.200 | 0.2918 | 0.0000 | 95.761 | 1.93776 | 0.00000 | 232463.4 | 131149.1 | 0.0 | U/P |
| 22.222 | 0.2799 | 0.0000 | 95.757 | 1.93696 | 0.00000 | 232486.3 | 131304.1 | 0.0 | U/P |
| 22.244 | 0.2712 | 0.0000 | 95.753 | 1.93615 | 0.00000 | 232508.4 | 131459.0 | 0.0 | U/P |
| 22.267 | 0.2649 | 0.0000 | 95.749 | 1.93534 | 0.00000 | 232529.8 | 131613.9 | 0.0 | U/P |
| 22.289 | 0.2604 | 0.0000 | 95.745 | 1.93452 | 0.00000 | 232550.8 | 131768.7 | 0.0 | U/P |
| 22.311 | 0.2571 | 0.0000 | 95.741 | 1.93370 | 0.00000 | 232571.5 | 131923.4 | 0.0 | U/P |
| 22.333 | 0.2548 | 0.0000 | 95.737 | 1.93288 | 0.00000 | 232592.0 | 132078.0 | 0.0 | U/P |
| 22.356 | 0.2531 | 0.0000 | 95.733 | 1.93206 | 0.00000 | 232612.3 | 132232.6 | 0.0 | U/P |
| 22.378 | 0.2519 | 0.0000 | 95.729 | 1.93124 | 0.00000 | 232632.5 | 132387.2 | 0.0 | U/P |
| 22.400 | 0.2510 | 0.0000 | 95.725 | 1.93042 | 0.00000 | 232652.6 | 132541.6 | 0.0 | U/P |
| 22.422 | 0.2503 | 0.0000 | 95.721 | 1.92959 | 0.00000 | 232672.7 | 132696.0 | 0.0 | U/P |
| 22.444 | 0.2499 | 0.0000 | 95.717 | 1.92877 | 0.00000 | 232692.7 | 132850.4 | 0.0 | U/P |
| 22.467 | 0.2495 | 0.0000 | 95.713 | 1.92794 | 0.00000 | 232712.7 | 133004.6 | 0.0 | U/P |
| 22.489 | 0.2492 | 0.0000 | 95.709 | 1.92712 | 0.00000 | 232732.6 | 133158.8 | 0.0 | U/P |
| 22.511 | 0.2491 | 0.0000 | 95.704 | 1.92630 | 0.00000 | 232752.5 | 133313.0 | 0.0 | U/P |
| 22.533 | 0.2510 | 0.0000 | 95.700 | 1.92547 | 0.00000 | 232772.5 | 133467.1 | 0.0 | U/P |
| 22.556 | 0.2575 | 0.0000 | 95.696 | 1.92465 | 0.00000 | 232792.9 | 133621.1 | 0.0 | U/P |
| 22.578 | 0.2713 | 0.0000 | 95.692 | 1.92383 | 0.00000 | 232814.0 | 133775.0 | 0.0 | U/P |
| 22.600 | 0.2910 | 0.0000 | 95.689 | 1.92302 | 0.00000 | 232836.5 | 133928.9 | 0.0 | U/P |
| 22.622 | 0.3124 | 0.0000 | 95.685 | 1.92222 | 0.00000 | 232860.7 | 134082.7 | 0.0 | U/P |
| 22.644 | 0.3324 | 0.0000 | 95.681 | 1.92142 | 0.00000 | 232886.5 | 134236.4 | 0.0 | U/P |
| 22.667 | 0.3493 | 0.0000 | 95.677 | 1.92064 | 0.00000 | 232913.7 | 134390.1 | 0.0 | U/P |
| 22.689 | 0.3615 | 0.0000 | 95.673 | 1.91986 | 0.00000 | 232942.2 | 134543.7 | 0.0 | U/P |
| 22.711 | 0.3700 | 0.0000 | 95.669 | 1.91910 | 0.00000 | 232971.4 | 134697.3 | 0.0 | U/P |
| 22.733 | 0.3761 | 0.0000 | 95.666 | 1.91833 | 0.00000 | 233001.3 | 134850.8 | 0.0 | U/P |
| 22.756 | 0.3806 | 0.0000 | 95.662 | 1.91757 | 0.00000 | 233031.5 | 135004.2 | 0.0 | U/P |
| 22.778 | 0.3838 | 0.0000 | 95.658 | 1.91681 | 0.00000 | 233062.1 | 135157.6 | 0.0 | U/P |
| 22.800 | 0.3861 | 0.0000 | 95.655 | 1.91605 | 0.00000 | 233092.9 | 135310.9 | 0.0 | U/P |
| 22.822 | 0.3878 | 0.0000 | 95.651 | 1.91530 | 0.00000 | 233123.9 | 135464.2 | 0.0 | U/P |
| 22.844 | 0.3890 | 0.0000 | 95.647 | 1.91454 | 0.00000 | 233154.9 | 135617.4 | 0.0 | U/P |
| 22.867 | 0.3899 | 0.0000 | 95.643 | 1.91379 | 0.00000 | 233186.1 | 135770.5 | 0.0 | U/P |
| 22.889 | 0.3905 | 0.0000 | 95.640 | 1.91304 | 0.00000 | 233217.3 | 135923.6 | 0.0 | U/P |
| 22.911 | 0.3910 | 0.0000 | 95.636 | 1.91228 | 0.00000 | 233248.6 | 136076.6 | 0.0 | U/P |
| 22.933 | 0.3913 | 0.0000 | 95.632 | 1.91153 | 0.00000 | 233279.9 | 136229.5 | 0.0 | U/P |
| 22.956 | 0.3916 | 0.0000 | 95.629 | 1.91078 | 0.00000 | 233311.2 | 136382.4 | 0.0 | U/P |
| 22.978 | 0.3917 | 0.0000 | 95.625 | 1.91002 | 0.00000 | 233342.5 | 136535.3 | 0.0 | $U / P$ |
| 23.000 | 0.3904 | 0.0000 | 95.621 | 1.90927 | 0.00000 | 233373.8 | 136688.0 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 8 - 100 Year / 24 Hour Routing

| Elapsed Time (hours) | Inflow Rate (fis/s) | Outside Recharge ( $\mathrm{N} / \mathrm{day}$ ) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{1 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 23.022 | 0.3835 | 0.0000 | 95.618 | 1.90852 | 0.00000 | 233404.8 | 136840.7 | 0.0 | U/P |
| 23.044 | 0.3660 | 0.0000 | 95.614 | 1.90776 | 0.00000 | 233434.7 | 136993.4 | 0.0 | U/P |
| 23.067 | 0.3357 | 0.0000 | 95.610 | 1.90699 | 0.00000 | 233462.8 | 137146.0 | 0.0 | U/P |
| 23.089 | 0.2974 | 0.0000 | 95.606 | 1.90621 | 0.00000 | 233488.1 | 137298.5 | 0.0 | U/P |
| 23.111 | 0.2583 | 0.0000 | 95.602 | 1.90541 | 0.00000 | 233510.4 | 137451.0 | 0.0 | U/P |
| 23.133 | 0.2231 | 0.0000 | 95.598 | 1.90460 | 0.00000 | 233529.6 | 137603.4 | 0.0 | U/P |
| 23.156 | 0.1950 | 0.0000 | 95.594 | 1.90376 | 0.00000 | 233546.3 | 137755.7 | 0.0 | U/P |
| 23.178 | 0.1750 | 0.0000 | 95.590 | 1.90291 | 0.00000 | 233561.1 | 137908.0 | 0.0 | U/P |
| 23.200 | 0.1610 | 0.0000 | 95.586 | 1.90206 | 0.00000 | 233574.6 | 138060.2 | 0.0 | U/P |
| 23.222 | 0.1508 | 0.0000 | 95.582 | 1.90119 | 0.00000 | 233587.1 | 138212.3 | 0.0 | U/P |
| 23.244 | 0.1434 | 0.0000 | 95.577 | 1.90032 | 0.00000 | 233598.8 | 138364.4 | 0.0 | U/P |
| 23.267 | 0.1381 | 0.0000 | 95.573 | 1.89944 | 0.00000 | 233610.1 | 138516.4 | 0.0 | U/P |
| 23.288 | 0.1342 | 0.0000 | 95.569 | 1.89857 | 0.00000 | 233621.0 | 138668.3 | 0.0 | U/P |
| 23.311 | 0.1314 | 0.0000 | 95.564 | 1.89769 | 0.00000 | 233631.6 | 138820.1 | 0.0 | U/P |
| 23.333 | 0.1294 | 0.0000 | 95.560 | 1.89681 | 0.00000 | 233642.0 | 138971.9 | 0.0 | U/P |
| 23.356 | 0.1280 | 0.0000 | 95.556 | 1.89592 | 0.00000 | 233652.3 | 139123.6 | 0.0 | U/P |
| 23.378 | 0.1270 | 0.0000 | 95.551 | 1.89504 | 0.00000 | 233662.5 | 139275.3 | 0.0 | U/P |
| 23.400 | 0.1262 | 0.0000 | 95.547 | 1.89416 | 0.00000 | 233672.7 | 139426.8 | 0.0 | U/P |
| 23.422 | 0.1257 | 0.0000 | 95.543 | 1.89327 | 0.00000 | 233682.7 | 139578.3 | 0.0 | U/P |
| 23.444 | 0.1252 | 0.0000 | 95.538 | 1.89239 | 0.00000 | 233692.8 | 139729.8 | 0.0 | U/P |
| 23.467 | 0.1249 | 0.0000 | 95.534 | 1.89151 | 0.00000 | 233702.8 | 139881.1 | 0.0 | U/P |
| 23.489 | 0.1247 | 0.0000 | 95.530 | 1.89062 | 0.00000 | 233712.8 | 140032.4 | 0.0 | U/P |
| 23.511 | 0.1246 | 0.0000 | 95.525 | 1.88974 | 0.00000 | 233722.7 | 140183.6 | 0.0 | U/P |
| 23.533 | 0.1245 | 0.0000 | 95.521 | 1.88885 | 0.00000 | 233732.7 | 140334.8 | 0.0 | U/P |
| 23.556 | 0.1245 | 0.0000 | 95.517 | 1.88797 | 0.00000 | 233742.7 | 140485.8 | 0.0 | U/P |
| 23.578 | 0.1245 | 0.0000 | 95.513 | 1.88709 | 0.00000 | 233752.6 | 140636.8 | 0.0 | U/P |
| 23.600 | 0.1245 | 0.0000 | 95.508 | 1.88620 | 0.00000 | 233762.6 | 140787.8 | 0.0 | U/P |
| 23.622 | 0.1245 | 0.0000 | 95.504 | 1.88532 | 0.00000 | 233772.5 | 140938.6 | 0.0 | U/P |
| 23.644 | 0.1244 | 0.0000 | 95.500 | 7.88443 | 0.00000 | 233782.5 | 141089.4 | 0.0 | U/P |
| 23.667 | 0.1244 | 0.0000 | 95.495 | 1.88355 | 0.00000 | 233792.4 | 141240.1 | 0.0 | U/P |
| 23.689 | 0.1244 | 0.0000 | 95.491 | 1.88267 | 0.00000 | 233802.4 | 141390.8 | 0.0 | U/P |
| 23.711 | 0.1244 | 0.0000 | 95.487 | 1.88178 | 0.00000 | 233812.3 | 141541.3 | 0.0 | U/P |
| 23.733 | 0.1244 | 0.0000 | 95.482 | 1.88090 | 0.00000 | 233822.3 | 141691.9 | 0.0 | U/P |
| 23.756 | 0.1244 | 0.0000 | 95.478 | 1.88001 | 0.00000 | 233832.3 | 141842.3 | 0.0 | U/P |
| 23.778 | 0.1244 | 0.0000 | 95.474 | 1.87913 | 0.00000 | 233842.2 | 141992.7 | 0.0 | U/P |
| 23.800 | 0.1244 | 0.0000 | 95.469 | 1.87825 | 0.00000 | 233852.2 | 142143.0 | 0.0 | U/P |
| 23.822 | 0.1244 | 0.0000 | 95.465 | 1.87736 | 0.00000 | 233862.1 | 142293.2 | 0.0 | U/P |
| 23.844 | 0.1244 | 0.0000 | 95.461 | 1.87648 | 0.00000 | 233872.1 | 142443.3 | 0.0 | U/P |
| 23.867 | 0.1244 | 0.0000 | 95.456 | 1.87560 | 0.00000 | 233882.0 | 142593.4 | 0.0 | U/P |
| 23.889 | 0.1244 | 0.0000 | 95.452 | 1.87471 | 0.00000 | 233892.0 | 142743.4 | 0.0 | U/P |
| 23.911 | 0.1244 | 0.0000 | 95.448 | 1.87383 | 0.00000 | 233901.9 | 142893.4 | 0.0 | U/P |
| 23.933 | 0.1244 | 0.0000 | 95.443 | 1.87294 | 0.00000 | 233911.9 | 143043.2 | 0.0 | U/P |
| 23.956 | 0.1244 | 0.0000 | 95.439 | 1.87206 | 0.00000 | 233921.8 | 143193.0 | 0.0 | U/P |
| 23.978 | 0.1244 | 0.0000 | 95.435 | 1.87118 | 0.00000 | 233931.8 | 143342.8 | 0.0 | U/P |
| 24.000 | 0.1244 | 0.0000 | 95.430 | 1.87029 | 0.00000 | 233941.7 | 143492.4 | 0.0 | U/P |
| 24.022 | 0.1225 | 0.0000 | 95.426 | 1.86947 | 0.00000 | 233951.6 | 143642.0 | 0.0 | U/P |
| 24.044 | 0.1168 | 0.0000 | 95.422 | 1.86852 | 0.00000 | 233961.2 | 143791.5 | 0.0 | U/P |
| 24.067 | 0.1044 | 0.0000 | 95.417 | 1.86764 | 0.00000 | 233970.0 | 143941.0 | 0.0 | U/P |
| 24.089 | 0.0871 | 0.0000 | 95.413 | 1.86674 | 0.00000 | 233977.7 | 144090.4 | 0.0 | U/P |
| 24.111 | 0.0684 | 0.0000 | 95.409 | 1.86584 | 0.00000 | 233983.9 | 144239.7 | 0.0 | U/P |
| 24.133 | 0.0511 | 0.0000 | 95.404 | 1.86493 | 0.00000 | 233988.7 | 144388.9 | 0.0 | U/P |
| 24.156 | 0.0366 | 0.0000 | 95.400 | 1.86401 | 0.00000 | 233992.2 | 144538.0 | 0.0 | U/P |
| 24.178 | 0.0261 | 0.0000 | 95.395 | 1.86308 | 0.00000 | 233994.7 | 144687.1 | 0.0 | U/P |
| 24.200 | 0.0188 | 0.0000 | 95.390 | 1.86215 | 0.00000 | 233996.5 | 144836.1 | 0.0 | U/P |
| 24.222 | 0.0136 | 0.0000 | 95.386 | 1.86121 | 0.00000 | 233997.8 | 144985.1 | 0.0 | U/P |
| 24.244 | 0.0098 | 0.0000 | 95.381 | 1.86027 | 0.00000 | 233998.7 | 145133.9 | 0.0 | U/P |
| 24.267 | 0.0070 | 0.0000 | 95.377 | 1.85933 | 0.00000 | 233999.4 | 145282.7 | 0.0 | U/P |
| 24.289 | 0.0050 | 0.0000 | 95.372 | 1.85839 | 0.00000 | 233999.9 | 145431.4 | 0.0 | U/P |
| 24.311 | 0.0036 | 0.0000 | 95.367 | 1.85744 | 0.00000 | 234000.2 | 145580.1 | 0.0 | U/P |
| 24.333 | 0.0026 | 0.0000 | 95.363 | 1.85650 | 0.00000 | 234000.5 | 145728.6 | 0.0 | U/P |
| 24.356 | 0.0018 | 0.0000 | 95.358 | 1.85555 | 0.00000 | 234000.7 | 145877.1 | 0.0 | U/P |
| 24.378 | 0.0013 | 0.0000 | 95.353 | 1.85461 | 0.00000 | 234000.8 | 146025.5 | 0.0 | U/P |
| 24.400 | 0.0009 | 0.0000 | 95.349 | 1.85366 | 0.00000 | 234000.9 | \$46173.8 | 0.0 | U/P |
| 24.422 | 0.0006 | 0.0000 | 95.344 | 1.85272 | 0.00000 | 234000.9 | 146322.1 | 0.0 | U/P |
| 24.444 | 0.0004 | 0.0000 | 95.340 | 1.85177 | 0.00000 | 234001.0 | 146470.3 | 0.0 | U/P |
| 24.467 | 0.0002 | 0.0000 | 95.335 | 1.85082 | 0.00000 | 234001.0 | 146618.4 | 0.0 | U/P |
| 24.489 | 0.0001 | 0.0000 | 95.330 | 1.84988 | 0.00000 | 234001.0 | 146766.4 | 0.0 | U/P |
| 24.511 | 0.0000 | 0.0000 | 95.326 | 1.84893 | 0.00000 | 234001.0 | 146914.4 | 0.0 | U/P |
| 24.533 | 0.0000 | 0.0000 | 95.321 | 1.84798 | 0.00000 | 234001.0 | 147062.2 | 0.0 | U/P |
| 24.556 | 0.0000 | 0.0000 | 95.316 | 1.84704 | 0.00000 | 234001.0 | 147210.0 | 0.0 | U/P |
| 24.578 | 0.0000 | 0.0000 | 95.312 | 1.84578 | 0.00000 | 234001.0 | 147357.8 | 0.0 | U/P |
| 48.578 | 0.0000 | 0.0000 | 87.832 | 0.50141 | 0.00000 | 234001.0 | 234001.0 | 0.0 | U/S |
| 72.578 | 0.0000 | 0.0000 | 85.372 | 0.00000 | 0.00000 | 234001.0 | 234001.0 | 0.0 | S |
| 96.578 | 0.0000 | 0.0000 | 84.181 | 0.00000 | 0.00000 | 234001.0 | 234001.0 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 8 - 100 Year/24 Hour Routing

| Elapsed Time (hours) | Inflow <br> Rate <br> $\left(\mathrm{ft}^{3} / \mathrm{s}\right)$ | Outside <br> Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative unflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Votume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 120.578 | 0.0000 | 0.0000 | 83.435 | 0.00000 | 0.00000 | 234001.0 | 234001.0 | 0.0 | S |
| 144.578 | 0.0000 | 0.0000 | 82.908 | 0.00000 | 0.00000 | 234001.0 | 234001.0 | 0.0 | S |
| 168.578 | 0.0000 | 0.0000 | 82.508 | 0.00000 | 0.00000 | 234001.0 | 234001.0 | 0.0 | S |
| 192.578 | 0.0000 | 0.0000 | 82.189 | 0.00000 | 0.00000 | 234001.0 | 234001.0 | 0.0 | S |
| 288.578 | 0.0000 | 0.0000 | 81.443 | 0.00000 | 0.00000 | 234001.0 | 234001.0 | 0.0 | S |
| 360.578 | 0.0000 | 0.0000 | 81.040 | ---- | ---- | 234001.0 | 234001.0 | 0.0 | N.A. |

# PONDS Routing and Recovery Analysis 

## Buildout Results

Pond 9<br>Back-to-Back<br>100-year / 24-Hour Storm

Run 1* Input Report Summary of Results Detailed Results

Run 2<br>Input Report Summary of Results

(*Pond not dry at Hour 240)

# Pond 9 <br> Back-to-Back <br> 100-year / 24-Hour Storm 

Run 1*<br>Input Report Summary of Results Detailed Results

(*Pond not dry at Hour 240)

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.

## Project Data

Project Name: $\quad$ Vista Landfill Redesign
Simulation Description: Pond 9-100 Year / 24 Hour Routing and Recovery Analysis w/infiltration 1 st 100 year storm
Project Number: ..... $10-2141$
Engineer : ..... cms
Supervising Engineer: ..... cms
Date: ..... 01-06-2011
Aquifer Data
Base Of Aquifer Elevation, $[\mathrm{B}]$ (ft datum): ..... 69.00
Water Table Elevation, [WT] (ft datum): ..... 74.00
Horizontal Saturated Hydraulic Conductivity, [Kh] (ft/day): ..... 15.00
Fillable Porosity, [n] (\%): ..... 20.00
Unsaturated Vertical Infiltration Rate, [lv] (ft/day): ..... 5.0
Maximum Area For Unsaturated Infiltration, $[\mathrm{Av}]\left(\mathrm{ft}^{2}\right)$ : ..... 108430.0

## Geometry Data

Equivalent Pond Length, [L] (ft): ..... 1000.0
Equivalent Pond Width, [W] (ft): ..... 50.0
Ground water mound is expected to intersect the pond bottom

## Stage vs Area Data

| Stage <br> (ft datum) | Area <br> $\left(\mathrm{ft}^{2}\right)$ |
| ---: | :---: |
| 78.00 | 33271.0 |
| 79.00 | 39218.0 |
| 80.00 | 45221.0 |
| 81.00 | 51283.0 |
| 82.00 | 57402.0 |
| 83.00 | 63579.0 |
| 84.00 | 69813.0 |
| 85.00 | 76105.0 |
| 86.00 | 82455.0 |
| 87.00 | 88862.0 |
| 88.00 | 95327.0 |
| 89.00 | 101850.0 |
| 90.00 | 108430.0 |

## Discharge Structures

Discharge Structure \#t is inactive
Discharge Structure \#2 is inactive
Discharge Structure \#3 is inactive

## Retention Pond Recovery - Refined Method Copyright 2003

## Devo Seereeram, Ph.D., P.E.

## Scenario Input Data

Scenario 1 :: pond 9100 year $/ 24$ hour routing with pond 10 overflow
Hydrograph Type: Multi-basin SCS Hydrograph

## Modflow Options

| Modflow Routing: | Routed with infilltration |
| :--- | :--- |
| Initial Groundwater Table: | default |
| Initial Pond Stage: | default |
| Boundary Condition: | default (constant head) |
| Repetitions: | 1 |

## Simulation Parameters

Minimum time of concentration for all contributing basins in chain (minutes): 10
Computational time step (minutes): .5
Duration of simulation (hours): 240

## Contributing Basins

Number of contributing basins: 1

## Basin 1

| Basin Name | da 9 |
| :--- | :--- |
| Basin Area (acres) | 11.14 |
| Time Of Concentration (minutes) | 10 |
| DCIA (\%) | 0 |
| Curve Number | 98 |
| Design Rainfall Depth (inches) | 10.6 |
| Design Rainfall Duration (hours) | 24 |
| Shape Factor | UHG 484 |
| Rainfall Distribution | Orange County 100 Year - 24 Hour |

## Ugradient Inflows

Number of upgradient inflow nodes: 1

## Node 1

| Minimum Discharge Rate (cfs): | 0 |
| :--- | :--- |
| Peak Discharge Rate (cfs): | 17.37525 |
| Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ): | 183122.1 |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Summary of Results :: Scenario 1 :: pond 9100 year/24 hour routing with pond 10 overflow

|  | Time (hours) | Stage (ft datum) | Rate <br> ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Volume (ft ${ }^{3}$ ) |
| :---: | :---: | :---: | :---: | :---: |
| Stage |  |  |  |  |
| Minimum | 0.000 | 74.00 |  |  |
| Maximum | 14.058 | 85.68 |  |  |
| Inflow 0 |  |  |  |  |
| Rate - Maximum - Positive | 9.000 |  | 41.9151 |  |
| Rate - Maximum - Negative | None |  | None |  |
| Cumulative Volume - Maximum Positive | 24.475 |  |  | 602892.1 |
| Cumulative Volume - Maximum Negative | None |  |  | None |
| Cumulative Volume - End of Simulation | 240.000 |  |  | 602892.1 |
| Infiltration |  |  |  |  |
| Rate - Maximum - Positive | 16.700 |  | 24.3929 |  |
| Rate - Maximum - Negative | None |  | None |  |
| Cumulative Volume - Maximum Positive | 240.000 |  |  | 498116.0 |
| Cumulative Volume - Maximum Negative | None |  |  | None |
| Cumulative Volume - End of Simulation | 240.000 |  |  | 498116.0 |
| Combined Discharge |  |  |  |  |
| Rate - Maximum - Positive | None |  | None |  |
| Rate - Maximum - Negative | None |  | None |  |
| Cumulative Volume - Maximum Positive | None |  |  | None |
| Cumulative Volume - Maximum Negative | None |  |  | None |
| Cumulative Volume - End of Simulation | 240.000 |  |  | 0.0 |
| Discharge Structure 1 - inactive disabled |  |  |  |  |
| Rate - Maximum - Positive | disabled |  | disabled |  |
| Rate - Maximum - Negative | disabled |  | disabled |  |
| Cumulative Volume - Maximum Positive | disabled |  |  |  |
| Cumulative Volume - Maximum Negative | disabled |  |  | disabled |
| Cumulative Volume - End of Simulation | disabled |  |  | disabled |
| Discharge Structure 2 - inactive disabled |  |  |  |  |
|  |  |  |  |  |
| Rate - Maximum - Negative | disabled |  | disabled |  |
| Cumulative Volume - Maximum Positive | disabled |  |  | disabled |
| Cumulative Volume - Maximum Negative | disabled |  |  | disabled |
| Cumulative Volume - End of Simulation | disabled |  |  | disabled |
| Discharge Structure 3 - inactive disabled |  |  |  |  |
| Rate - Maximum - Positive | disabled |  | disabled |  |
| Rate - Maximum - Negative | disabled |  | disabled |  |
| Cumulative Volume - Maximum Positive | disabled |  |  |  |
| Cumulative Volume - Maximum Negative Cumulative Volume - End of Simulation | disabled disabled |  |  | disabled disabled |
| Pollution Abatement: Nfilration NA |  |  |  |  |
|  |  |  |  |  |
| 72 Hour Stage and infiltration Volume | N.A. | N.A. |  | N.A |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate $\left(\mathrm{f}^{3} / \mathrm{s}\right)$ | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative inflow Volume ( $\mathrm{t}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 0.000 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | N.A. |
| 0.008 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.017 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.025 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.033 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.042 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.050 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.058 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.067 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.075 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.083 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.092 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.100 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.108 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.117 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.125 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.133 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.142 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.150 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.158 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.167 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.175 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.183 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.192 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.200 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.208 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.217 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.225 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.233 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.242 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.250 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.258 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.267 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.275 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.283 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.292 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.300 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.308 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.317 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.325 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.333 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.342 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.350 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.358 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.367 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.375 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.383 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.392 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.400 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.408 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.417 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.425 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.433 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.442 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.450 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.458 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.467 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.475 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.483 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.492 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.500 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.508 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.517 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.525 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.533 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.542 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.550 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.558 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.567 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.575 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.583 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.592 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.600 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.608 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{1} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{t} \mathrm{t}^{3} / \mathrm{s}$ ) | Cumulative inflow <br> Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 0.617 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.625 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.633 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.642 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.650 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.658 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.667 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.675 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.683 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.692 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.700 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.708 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.717 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.725 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.733 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.742 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.750 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.758 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.767 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.775 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.783 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.792 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.800 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.808 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.817 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.825 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.833 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.842 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.850 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.858 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.867 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.875 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.883 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.892 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.900 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.908 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.917 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.925 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.933 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.942 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.950 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.958 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.967 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.975 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.983 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.992 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.000 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.008 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.017 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.025 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.033 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.042 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.050 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.058 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.067 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.075 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.083 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.092 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.100 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.108 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.117 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.125 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.133 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.142 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.150 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.158 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| $\uparrow .167$ | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.175 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.183 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.192 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.200 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.208 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.217 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.225 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (fl datum) | Infiltration Rate ( $\mathrm{ft}^{3 /} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1.233 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.242 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.250 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.258 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.267 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.275 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.283 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.292 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.300 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.308 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.317 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.325 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.333 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.342 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.350 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.358 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.367 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.375 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.383 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.392 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.400 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.408 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.417 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.425 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.433 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.442 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.450 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.458 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.467 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.475 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.483 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.492 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.500 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.508 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.517 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.525 | 0.0000 | 0.0000 | 74.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.533 | 0.0000 | 0.0000 | 74.000 | 0.00001 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.542 | 0.0000 | 0.0000 | 74.000 | 0.00005 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.550 | 0.0001 | 0.0000 | 74.000 | 0.00013 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.558 | 0.0002 | 0.0000 | 74.000 | 0.00027 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.567 | 0.0005 | 0.0000 | 74.000 | 0.00051 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.575 | 0.0008 | 0.0000 | 74.000 | 0.00089 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.583 | 0.0014 | 0.0000 | 74.000 | 0.00144 | 0.00000 | 0.1 | 0.1 | 0.0 | U |
| 1.592 | 0.0022 | 0.0000 | 74.000 | 0.00222 | 0.00000 | 0.1 | 0.1 | 0.0 | U |
| 1.600 | 0.0032 | 0.0000 | 74.000 | 0.00325 | 0.00000 | 0.2 | 0.2 | 0.0 | U |
| 1.608 | 0.0045 | 0.0000 | 74.000 | 0.00459 | 0.00000 | 0.3 | 0.3 | 0.0 | U |
| 1.617 | 0.0062 | 0.0000 | 74.000 | 0.00624 | 0.00000 | 0.5 | 0.5 | 0.0 | U |
| 1.625 | 0.0081 | 0.0000 | 74.000 | 0.00822 | 0.00000 | 0.7 | 0.7 | 0.0 | U |
| 1.633 | 0.0105 | 0.0000 | 74.000 | 0.01053 | 0.00000 | 1.0 | 1.0 | 0.0 | U |
| 1.642 | 0.0131 | 0.0000 | 74.000 | 0.01318 | 0.00000 | 1.3 | 1.3 | 0.0 | U |
| 1.650 | 0.0161 | 0.0000 | 74.000 | 0.01614 | 0.00000 | 1.8 | 1.8 | 0.0 | U |
| 1.658 | 0.0193 | 0.0000 | 74.000 | 0.01941 | 0.00000 | 2.3 | 2.3 | 0.0 | U |
| 1.667 | 0.0229 | 0.0000 | 74.000 | 0.02295 | 0.00000 | 2.9 | 2.9 | 0.0 | U |
| 1.675 | 0.0267 | 0.0000 | 74.000 | 0.02676 | 0.00000 | 3.7 | 3.7 | 0.0 | U |
| 1.683 | 0.0307 | 0.0000 | 74.000 | 0.03080 | 0.00000 | 4.5 | 4.5 | 0.0 | U |
| 1.692 | 0.0350 | 0.0000 | 74.000 | 0.03504 | 0.00000 | 5.5 | 5.5 | 0.0 | U |
| 1.700 | 0.0394 | 0.0000 | 74.000 | 0.03946 | 0.00000 | 6.6 | 6.6 | 0.0 | U |
| 1.708 | 0.0440 | 0.0000 | 74.000 | 0.04401 | 0.00000 | 7.9 | 7.9 | 0.0 | U |
| 1.717 | 0.0487 | 0.0000 | 74.000 | 0.04869 | 0.00000 | 9.3 | 9.3 | 0.0 | U |
| 1.725 | 0.0534 | 0.0000 | 74.001 | 0.05346 | 0.00000 | 10.8 | 10.8 | 0.0 | U |
| 1.733 | 0.0583 | 0.0000 | 74.001 | 0.05831 | 0.00000 | 12.5 | 12.5 | 0.0 | U |
| 1.742 | 0.0632 | 0.0000 | 74.001 | 0.06322 | 0.00000 | 14.3 | 14.3 | 0.0 | U |
| 1.750 | 0.0682 | 0.0000 | 74.001 | 0.06818 | 0.00000 | 16.3 | 16.3 | 0.0 | U |
| $\uparrow .758$ | 0.0732 | 0.0000 | 74.001 | 0.07319 | 0.00000 | 18.4 | 18.4 | 0.0 | U |
| 1.767 | 0.0782 | 0.0000 | 74.001 | 0.07822 | 0.00000 | 20.7 | 20.7 | 0.0 | U |
| 1.775 | 0.0833 | 0.0000 | 74.001 | 0.08327 | 0.00000 | 23.1 | 23.1 | 0.0 | U |
| 1.783 | 0.0883 | 0.0000 | 74.001 | 0.08834 | 0.00000 | 25.7 | 25.7 | 0.0 | U |
| 1.792 | 0.0934 | 0.0000 | 74.001 | 0.09341 | 0.00000 | 28.4 | 28.4 | 0.0 | U |
| 1.800 | 0.0985 | 0.0000 | 74.001 | 0.09848 | 0.00000 | 31.3 | 31.3 | 0.0 | U |
| 1.808 | 0.1035 | 0.0000 | 74.002 | 0.10354 | 0.00000 | 34.3 | 34.3 | 0.0 | U |
| 1.817 | 0.1086 | 0.0000 | 74.002 | 0.10860 | 0.00000 | 37.5 | 37.5 | 0.0 | U |
| 1.825 | 0.1136 | 0.0000 | 74.002 | 0.11364 | 0.00000 | 40.8 | 40.8 | 0.0 | U |
| 1.833 | 0.1187 | 0.0000 | 74.002 | 0.11866 | 0.00000 | 44.3 | 44.3 | 0.0 | U |
| 1.842 | 0.1237 | 0.0000 | 74.002 | 0.12365 | 0.00000 | 47.9 | 47.9 | 0.0 | U |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / 3}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiliration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Dischafge Volume ( $\mathrm{fl}^{3}$ ) | $\begin{aligned} & \text { Flow } \\ & \text { Type } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1.850 | 0.1286 | 0.0000 | 74.002 | 0.12863 | 0.00000 | 51.7 | 51.7 | 0.0 | U |
| 1.858 | 0.1336 | 0.0000 | 74.003 | 0.13358 | 0.00000 | 55.7 | 55.7 | 0.0 | U |
| 1.867 | 0.1385 | 0.0000 | 74.003 | 0.13849 | 0.00000 | 59.7 | 59.7 | 0.0 | U |
| 1.875 | 0.1434 | 0.0000 | 74.003 | 0.14338 | 0.00000 | 64.0 | 64.0 | 0.0 | U |
| 1.883 | 0.1482 | 0.0000 | 74.003 | 0.14824 | 0.00000 | 68.3 | 68.3 | 0.0 | U |
| 1.892 | 0.1531 | 0.0000 | 74.003 | 0.15306 | 0.00000 | 72.9 | 72.9 | 0.0 | U |
| 1.900 | 0.1579 | 0.0000 | 74.004 | 0.15785 | 0.00000 | 77.5 | 77.5 | 0.0 | U |
| 1.908 | 0.1626 | 0.0000 | 74.004 | 0.16261 | 0.00000 | 82.3 | 82.3 | 0.0 | U |
| 1.917 | 0.1673 | 0.0000 | 74.004 | 0.16733 | 0.00000 | 87.3 | 87.3 | 0.0 | U |
| 1.925 | 0.1720 | 0.0000 | 74.004 | 0.17201 | 0.00000 | 92.4 | 92.4 | 0.0 | U |
| 1.933 | 0.1767 | 0.0000 | 74.005 | 0.17666 | 0.00000 | 97.6 | 97.6 | 0.0 | U |
| 1.942 | 0.1813 | 0.0000 | 74.005 | 0.18127 | 0.00000 | 103.0 | 103.0 | 0.0 | U |
| 1.950 | 0.1859 | 0.0000 | 74.005 | 0.18585 | 0.00000 | 108.5 | 108.5 | 0.0 | U |
| 1.958 | 0.1904 | 0.0000 | 74.005 | 0.19038 | 0.00000 | 114.1 | 114.1 | 0.0 | U |
| 1.967 | 0.1949 | 0.0000 | 74.006 | 0.19488 | 0.00000 | 119.9 | 119.9 | 0.0 | U |
| 1.975 | 0.1994 | 0.0000 | 74.006 | 0.19935 | 0.00000 | 125.8 | 125.8 | 0.0 | U |
| 1.983 | 0.2038 | 0.0000 | 74.006 | 0.20377 | 0.00000 | 131.9 | 131.9 | 0.0 | U |
| 1.992 | 0.2082 | 0.0000 | 74.006 | 0.20820 | 0.00000 | 138.0 | 138.0 | 0.0 | U |
| 2.000 | 0.2127 | 0.0000 | 74.007 | 0.21274 | 0.00000 | 144.4 | 144.4 | 0.0 | U |
| 2.008 | 0.2174 | 0.0000 | 74.007 | 0.21752 | 0.00000 | 150.8 | 150.8 | 0.0 | U |
| 2.017 | 0.2225 | 0.0000 | 74.007 | 0.22265 | 0.00000 | 157.4 | 157.4 | 0.0 | U |
| 2.025 | 0.2281 | 0.0000 | 74.008 | 0.22825 | 0.00000 | 164.2 | 164.2 | 0.0 | U |
| 2.033 | 0.2343 | 0.0000 | 74.008 | 0.23446 | 0.00000 | 171.1 | 171.1 | 0.0 | U |
| 2.042 | 0.2412 | 0.0000 | 74.008 | 0.24144 | 0.00000 | 178.2 | 178.2 | 0.0 | U |
| 2.050 | 0.2491 | 0.0000 | 74.009 | 0.24931 | 0.00000 | 185.6 | 185.6 | 0.0 | U |
| 2.058 | 0.2579 | 0.0000 | 74.009 | 0.25816 | 0.00000 | 193.2 | 193.2 | 0.0 | U |
| 2.067 | 0.2677 | 0.0000 | 74.009 | 0.26793 | 0.00000 | 201.1 | 201.1 | 0.0 | U |
| 2.075 | 0.2783 | 0.0000 | 74.010 | 0.27847 | 0.00000 | 209.3 | 209.3 | 0.0 | U |
| 2.083 | 0.2895 | 0.0000 | 74.010 | 0.28964 | 0.00000 | 217.8 | 217.8 | 0.0 | U |
| 2.092 | 0.3012 | 0.0000 | 74.010 | 0.30126 | 0.00000 | 226.6 | 226.6 | 0.0 | U |
| 2.100 | 0.3131 | 0.0000 | 74.011 | 0.31315 | 0.00000 | 235.9 | 235.9 | 0.0 | U |
| 2.108 | 0.3252 | 0.0000 | 74.011 | 0.32517 | 0.00000 | 245.4 | 245.4 | 0.0 | U |
| 2.117 | 0.3372 | 0.0000 | 74.012 | 0.33721 | 0.00000 | 255.4 | 255.4 | 0.0 | U |
| 2.125 | 0.3492 | 0.0000 | 74.012 | 0.34913 | 0.00000 | 265.7 | 265.7 | 0.0 | U |
| 2.133 | 0.3609 | 0.0000 | 74.013 | 0.36085 | 0.00000 | 276.3 | 276.3 | 0.0 | U |
| 2.142 | 0.3724 | 0.0000 | 74.013 | 0.37230 | 0.00000 | 287.3 | 287.3 | 0.0 | U |
| 2.150 | 0.3835 | 0.0000 | 74.014 | 0.38342 | 0.00000 | 298.7 | 298.7 | 0.0 | U |
| 2.158 | 0.3942 | 0.0000 | 74.014 | 0.39412 | 0.00000 | 310.3 | 310.3 | 0.0 | U |
| 2.167 | 0.4045 | 0.0000 | 74.015 | 0.40433 | 0.00000 | 322.3 | 322.3 | 0.0 | U |
| 2.175 | 0.4142 | 0.0000 | 74.015 | 0.41406 | 0.00000 | 334.6 | 334.6 | 0.0 | U |
| 2.183 | 0.4235 | 0.0000 | 74.016 | 0.42338 | 0.00000 | 347.1 | 347.1 | 0.0 | U |
| 2.192 | 0.4324 | 0.0000 | 74.017 | 0.43235 | 0.00000 | 360.0 | 360.0 | 0.0 | U |
| 2.200 | 0.4411 | 0.0000 | 74.017 | 0.44102 | 0.00000 | 373.1 | 373.1 | 0.0 | U |
| 2.208 | 0.4495 | 0.0000 | 74.018 | 0.44942 | 0.00000 | 386.4 | 386.4 | 0.0 | U |
| 2.217 | 0.4576 | 0.0000 | 74.018 | 0.45759 | 0.00000 | 400.1 | 400.1 | 0.0 | U |
| 2.225 | 0.4656 | 0.0000 | 74.019 | 0.46555 | 0.00000 | 413.9 | 413.9 | 0.0 | U |
| 2.233 | 0.4733 | 0.0000 | 74.020 | 0.47330 | 0.00000 | 428.0 | 428.0 | 0.0 | U |
| 2.242 | 0.4809 | 0.0000 | 74.020 | 0.48087 | 0.00000 | 442.3 | 442.3 | 0.0 | U |
| 2.250 | 0.4883 | 0.0000 | 74.021 | 0.48825 | 0.00000 | 456.8 | 456.8 | 0.0 | U |
| 2.258 | 0.4955 | 0.0000 | 74.022 | 0.49545 | 0.00000 | 471.6 | 471.6 | 0.0 | U |
| 2.267 | 0.5025 | 0.0000 | 74.022 | 0.50251 | 0.00000 | 486.6 | 486.6 | 0.0 | U |
| 2.275 | 0.5095 | 0.0000 | 74.023 | 0.50942 | 0.00000 | 501.7 | 501.7 | 0.0 | U |
| 2.283 | 0.5162 | 0.0000 | 74.024 | 0.51620 | 0.00000 | 517.1 | 517.1 | 0.0 | U |
| 2.292 | 0.5229 | 0.0000 | 74.025 | 0.52285 | 0.00000 | 532.7 | 532.7 | 0.0 | U |
| 2.300 | 0.5294 | 0.0000 | 74.025 | 0.52938 | 0.00000 | 548.5 | 548.5 | 0.0 | U |
| 2.308 | 0.5358 | 0.0000 | 74.026 | 0.53579 | 0.00000 | 564.5 | 564.5 | 0.0 | U |
| 2.317 | 0.5421 | 0.0000 | 74.027 | 0.54210 | 0.00000 | 580.6 | 580.6 | 0.0 | U |
| 2.325 | 0.5483 | 0.0000 | 74.028 | 0.54830 | 0.00000 | 597.0 | 597.0 | 0.0 | U |
| 2.333 | 0.5544 | 0.0000 | 74.028 | 0.55441 | 0.00000 | 613.5 | 613.5 | 0.0 | U |
| 2.342 | 0.5605 | 0.0000 | 74.029 | 0.56043 | 0.00000 | 630.3 | 630.3 | 0.0 | U |
| 2.350 | 0.5664 | 0.0000 | 74.030 | 0.56636 | 0.00000 | 647.2 | 647.2 | 0.0 | U |
| 2.358 | 0.5722 | 0.0000 | 74.031 | 0.57221 | 0.00000 | 664.3 | 664.3 | 0.0 | U |
| 2.367 | 0.5780 | 0.0000 | 74.031 | 0.57798 | 0.00000 | 681.5 | 681.5 | 0.0 | U |
| 2.375 | 0.5837 | 0.0000 | 74.032 | 0.58367 | 0.00000 | 698.9 | 698.9 | 0.0 | U |
| 2.383 | 0.5893 | 0.0000 | 74.033 | 0.58928 | 0.00000 | 716.5 | 716.5 | 0.0 | U |
| 2.392 | 0.5948 | 0.0000 | 74.034 | 0.59482 | 0.00000 | 734.3 | 734.3 | 0.0 | U |
| 2.400 | 0.6003 | 0.0000 | 74.035 | 0.60029 | 0.00000 | 752.2 | 752.2 | 0.0 | U |
| 2.408 | 0.6057 | 0.0000 | 74.036 | 0.60569 | 0.00000 | 770.3 | 770.3 | 0.0 | U |
| 2.417 | 0.6110 | 0.0000 | 74.036 | 0.61103 | 0.00000 | 788.6 | 788.6 | 0.0 | U |
| 2.425 | 0.6163 | 0.0000 | 74.037 | 0.61630 | 0.00000 | 807.0 | 807.0 | 0.0 | U |
| 2.433 | 0.6215 | 0.0000 | 74.038 | 0.62151 | 0.00000 | 825.5 | 825.5 | 0.0 | U |
| 2.442 | 0.6267 | 0.0000 | 74.039 | 0.62666 | 0.00000 | 844.3 | 844.3 | 0.0 | U |
| 2.450 | 0.6318 | 0.0000 | 74.040 | 0.63175 | 0.00000 | 863.1 | 863.1 | 0.0 | U |
| 2.458 | 0.6368 | 0.0000 | 74.041 | 0.03678 | 0.00000 | 882.2 | 882.2 | 0.0 | U |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year/24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( f $3 / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | infiltration Rate (ft ${ }^{3 / s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume (ft ${ }^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2.467 | 0.6418 | 0.0000 | 74.042 | 0.64176 | 0.00000 | 901.3 | 901.3 | 0.0 | U |
| 2.475 | 0.6467 | 0.0000 | 74.042 | 0.64668 | 0.00000 | 920.7 | 920.7 | 0.0 | U |
| 2.483 | 0.6516 | 0.0000 | 74.043 | 0.65155 | 0.00000 | 940.1 | 940.1 | 0.0 | U |
| 2.492 | 0.6564 | 0.0000 | 74.044 | 0.65640 | 0.00000 | 959.8 | 959.8 | 0.0 | U |
| 2.500 | 0.6613 | 0.0000 | 74.045 | 0.66138 | 0.00000 | 979.5 | 979.5 | 0.0 | U |
| 2.508 | 0.6666 | 0.0000 | 74.046 | 0.66674 | 0.00000 | 999.4 | 999.4 | 0.0 | U |
| 2.517 | 0.6725 | 0.0000 | 74.047 | 0.67272 | 0.00000 | 1019.5 | 1019.5 | 0.0 | U |
| 2.525 | 0.6793 | 0.0000 | 74.048 | 0.67954 | 0.00000 | 1039.8 | 1039.8 | 0.0 | U |
| 2.533 | 0.6871 | 0.0000 | 74.049 | 0.68743 | 0.00000 | 1060.3 | 1060.3 | 0.0 | U |
| 2.542 | 0.6963 | 0.0000 | 74.050 | 0.69667 | 0.00000 | 1081.1 | 1081.1 | 0.0 | U |
| 2.550 | 0.7071 | 0.0000 | 74.051 | 0.70755 | 0.00000 | 1102.1 | \$102.1 | 0.0 | U |
| 2.558 | 0.7198 | 0.0000 | 74.052 | 0.72025 | 0.00000 | 1123.5 | 1123.5 | 0.0 | U |
| 2.567 | 0.7344 | 0.0000 | 74.053 | 0.73475 | 0.00000 | 1145.3 | 1145.3 | 0.0 | U |
| 2.575 | 0.7505 | 0.0000 | 74.054 | 0.75080 | 0.00000 | 1167.6 | 1167.6 | 0.0 | U |
| 2.583 | 0.7679 | 0.0000 | 74.055 | 0.76809 | 0.00000 | 1190.4 | 1190.4 | 0.0 | U |
| 2.592 | 0.7861 | 0.0000 | 74.056 | 0.78626 | 0.00000 | 1213.7 | 1213.7 | 0.0 | U |
| 2.600 | 0.8049 | 0.0000 | 74.057 | 0.80494 | 0.00000 | 1237.5 | 1237.5 | 0.0 | U |
| 2.608 | 0.8238 | 0.0000 | 74.058 | 0.82380 | 0.00000 | 1262.0 | 1262.0 | 0.0 | U |
| 2.617 | 0.8427 | 0.0000 | 74.059 | 0.84260 | 0.00000 | 1287.0 | 1287.0 | 0.0 | U |
| 2.625 | 0.8612 | 0.0000 | 74.061 | 0.86108 | 0.00000 | 1312.5 | 1312.5 | 0.0 | U |
| 2.633 | 0.8792 | 0.0000 | 74.062 | 0.87902 | 0.00000 | 1338.6 | 1338.6 | 0.0 | U |
| 2.642 | 0.8965 | 0.0000 | 74.063 | 0.89630 | 0.00000 | 1365.3 | 1365.3 | 0.0 | U |
| 2.650 | 0.9130 | 0.0000 | 74.064 | 0.91280 | 0.00000 | 1392.4 | 1392.4 | 0.0 | U |
| 2.658 | 0.9287 | 0.0000 | 74.065 | 0.92839 | 0.00000 | 1420.0 | 1420.0 | 0.0 | U |
| 2.667 | 0.9432 | 0.0000 | 74.067 | 0.94294 | 0.00000 | \$448.1 | 1448.1 | 0.0 | U |
| 2.675 | 0.9566 | 0.0000 | 74.068 | 0.95640 | 0.00000 | 1476.6 | 1476.6 | 0.0 | U |
| 2.683 | 0.9691 | 0.0000 | 74.069 | 0.96887 | 0.00000 | 1505.5 | 1505.5 | 0.0 | U |
| 2.692 | 0.9807 | 0.0000 | 74.071 | 0.98051 | 0.00000 | 1534.7 | 1534.7 | 0.0 | U |
| 2.700 | 0.9916 | 0.0000 | 74.072 | 0.99146 | 0.00000 | 1564.3 | 1564.3 | 0.0 | U |
| 2.708 | 1.0019 | 0.0000 | 74.074 | 1.00181 | 0.00000 | 1594.2 | 1594.2 | 0.0 | U |
| 2.717 | 1.0118 | 0.0000 | 74.075 | 1.01164 | 0.00000 | 1624.4 | 1624.4 | 0.0 | U |
| 2.725 | 1.0211 | 0.0000 | 74.076 | 1.02101 | 0.00000 | 1654.9 | 1654.9 | 0.0 | U |
| 2.733 | 1.0301 | 0.0000 | 74.078 | 1.02997 | 0.00000 | 1685.7 | 1685.7 | 0.0 | U |
| 2.742 | 1.0386 | 0.0000 | 74.079 | 1.03854 | 0.00000 | 1716.7 | 1716.7 | 0.0 | U |
| 2.750 | 1.0468 | 0.0000 | 74.081 | 1.04675 | 0.00000 | 1748.0 | 1748.0 | 0.0 | U |
| 2.758 | 1.0547 | 0.0000 | 74.082 | 1.05463 | 0.00000 | 1779.5 | 1779.5 | 0.0 | U |
| 2.767 | 1.0623 | 0.0000 | 74.084 | 1.06220 | 0.00000 | 1811.3 | 1811.3 | 0.0 | U |
| 2.775 | 1.0696 | 0.0000 | 74.085 | 1.06951 | 0.00000 | 1843.3 | 1843.3 | 0.0 | U |
| 2.783 | 1.0766 | 0.0000 | 74.086 | 1.07658 | 0.00000 | 1875.5 | 1875.5 | 0.0 | U |
| 2.792 | 1.0835 | 0.0000 | 74.088 | 1.08343 | 0.00000 | 1907.9 | 1907.9 | 0.0 | U |
| 2.800 | 1.0901 | 0.0000 | 74.089 | 1.09007 | 0.00000 | \$940.5 | 1940.5 | 0.0 | U |
| 2.808 | 1.0966 | 0.0000 | 74.091 | 1.09652 | 0.00000 | 1973.3 | 1973.3 | 0.0 | U |
| 2.817 | 1.1028 | 0.0000 | 74.093 | 1.10280 | 0.00000 | 2006.3 | 2006.3 | 0.0 | U |
| 2.825 | 1.1090 | 0.0000 | 74.094 | 1.10891 | 0.00000 | 2039.4 | 2039.4 | 0.0 | U |
| 2.833 | 1.1149 | 0.0000 | 74.096 | 1.11488 | 0.00000 | 2072.8 | 2072.8 | 0.0 | U |
| 2.842 | 1.1207 | 0.0000 | 74.097 | 1.12071 | 0.00000 | 2106.3 | 2106.3 | 0.0 | U |
| 2.850 | 1.1264 | 0.0000 | 74.099 | 1.12642 | 0.00000 | 2140.0 | 2140.0 | 0.0 | U |
| 2.858 | 1.1320 | 0.0000 | 74.100 | 1.13201 | 0.00000 | 2173.9 | 2173.9 | 0.0 | U |
| 2.867 | 1.1375 | 0.0000 | 74.102 | 1.13748 | 0.00000 | 2208.0 | 2208.0 | 0.0 | U |
| 2.875 | 1.1429 | 0.0000 | 74.103 | 1.14286 | 0.00000 | 2242.2 | 2242.2 | 0.0 | U |
| 2.883 | 1.1482 | 0.0000 | 74.105 | 1.14813 | 0.00000 | 2276.5 | 2276.5 | 0.0 | U |
| 2.892 | 1.1533 | 0.0000 | 74.107 | 1.15332 | 0.00000 | 2311.0 | 2311.0 | 0.0 | U |
| 2.900 | 1.1584 | 0.0000 | 74.108 | 1.15841 | 0.00000 | 2345.7 | 2345.7 | 0.0 | U |
| 2.908 | 1.1634 | 0.0000 | 74.110 | 1.16342 | 0.00000 | 2380.6 | 2380.6 | 0.0 | U |
| 2.917 | 1.1684 | 0.0000 | 74.111 | 1.16835 | 0.00000 | 2415.5 | 2415.5 | 0.0 | U |
| 2.925 | 1.1732 | 0.0000 | 74.113 | 1.17321 | 0.00000 | 2450.7 | 2450.7 | 0.0 | U |
| 2.933 | 1.1780 | 0.0000 | 74.115 | 1.17799 | 0.00000 | 2485.9 | 2485.9 | 0.0 | U |
| 2.942 | 1.1827 | 0.0000 | 74.116 | 1.18270 | 0.00000 | 2521.3 | 2521.3 | 0.0 | U |
| 2.950 | 1.1874 | 0.0000 | 74.118 | 1.18736 | 0.00000 | 2556.9 | 2556.9 | 0.0 | U |
| 2.958 | 1.1920 | 0.0000 | 74.120 | 1.19195 | 0.00000 | 2592.6 | 2592.6 | 0.0 | U |
| 2.967 | 1.1965 | 0.0000 | 74.121 | 1.19648 | 0.00000 | 2628.4 | 2628.4 | 0.0 | U |
| 2.975 | 1.2010 | 0.0000 | 74.123 | 1.20095 | 0.00000 | 2664.4 | 2664.4 | 0.0 | U |
| 2.983 | 1.2054 | 0.0000 | 74.125 | 1.20535 | 0.00000 | 2700.5 | 2700.5 | 0.0 | U |
| 2.992 | 1.2097 | 0.0000 | 74.126 | 1.20971 | 0.00000 | 2736.7 | 2736.7 | 0.0 | U |
| 3.000 | 1.2140 | 0.0000 | 74.128 | 1.21430 | 0.00000 | 2773.0 | 2773.0 | 0.0 | U |
| 3.008 | 1.2195 | 0.0000 | 74.130 | 1.22003 | 0.00000 | 2809.5 | 2809.5 | 0.0 | U |
| 3.017 | \$.2272 | 0.0000 | 74.131 | 1.22794 | 0.00000 | 2846.2 | 2846.2 | 0.0 | U |
| 3.025 | 1.2380 | 0.0000 | 74.133 | 1.23887 | 0.00000 | 2883.2 | 2883.2 | 0.0 | U |
| 3.033 | 1.2524 | 0.0000 | 74.135 | 1.25361 | 0.00000 | 2920.6 | 2920.6 | 0.0 | U |
| 3.042 | 1.2717 | 0.0000 | 74.136 | 1.27321 | 0.00000 | 2958.4 | 2958.4 | 0.0 | U |
| 3.050 | 1.2970 | 0.0000 | 74.138 | 1.29878 | 0.00000 | 2997.0 | 2997.0 | 0.0 | U |
| 3.058 | 1.3294 | 0.0000 | 74.140 | 1.33132 | 0.00000 | 3036.4 | 3036.4 | 0.0 | U |
| 3.067 | 1.3695 | 0.0000 | 74.142 | 1.37122 | 0.00000 | 3076.8 | 3076.8 | 0.0 | U |
| 3.075 | 1.4164 | 0.0000 | 74.144 | 1.41777 | 0.00000 | 3118.6 | 3118.6 | 0.0 | U |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed (hours) | snflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (fidday) | Stage Elevation (ft datum) | Infiltration Rate $\left(\mathrm{ft}^{3 / \mathrm{s}}\right.$ ) | Overliow Discharge ( $\mathrm{ft}^{2} / \mathrm{s}$ ) | Cumulative Enflow Votume ( $\mathrm{ft}^{\mathrm{T}}$ ) | Cumulative Infiltration Volume ( $\mathrm{t}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ff}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 3.083 | 1.4687 | 0.0000 | 74.146 | 1.46972 | 0.00000 | 3161.9 | 3161.9 | 0.0 | U |
| 3.092 | 1.5250 | 0.0000 | 74.148 | 1.52572 | 0.00000 | 3206.8 | 3206.8 | 0.0 | U |
| 3.100 | 1.5841 | 0.0000 | 74.150 | 1.58430 | 0.00000 | 3253.5 | 3253.5 | 0.0 | U |
| 3.108 | 1.6439 | 0.0000 | 74.152 | 1.64396 | 0.00000 | 3301.9 | 3301.9 | 0.0 | U |
| 3.117 | 1.7039 | 0.0000 | 74.155 | 1.70369 | 0.00000 | 3352.1 | 3352.1 | 0.0 | U |
| 3.125 | 1.7631 | 0.0000 | 74.157 | 1.76255 | 0.00000 | 3404.1 | 3404.1 | 0.0 | U |
| 3.133 | 1.8201 | 0.0000 | 74.159 | 1.81949 | 0.00000 | 3457.8 | 3457.8 | 0.0 | U |
| 3.142 | 1.8746 | 0.0000 | 74.162 | 1.87389 | 0.00000 | 3513.3 | 3513.3 | 0.0 | U |
| 3.150 | 1.9262 | 0.0000 | 74.165 | 1.91291 | 0.00000 | 3570.3 | 3570.3 | 0.0 | U |
| 3.158 | 1.9745 | 0.0000 | 78.000 | 1.92541 | 0.00000 | 3628.8 | 3628.0 | 0.0 | U/P |
| 3.167 | 2.0189 | 0.0000 | 78.000 | 1.92542 | 0.00000 | 3688.7 | 3685.8 | 0.0 | U/P |
| 3.175 | 2.0586 | 0.0000 | 78.000 | 1.92545 | 0.00000 | 3749.9 | 3743.6 | 0.0 | U/P |
| 3.183 | 2.0941 | 0.0000 | 78.000 | 1.92549 | 0.00000 | 3812.1 | 3801.3 | 0.0 | U/P |
| 3.192 | 2.1260 | 0.0000 | 78.000 | 1.92555 | 0.00000 | 3875.4 | 3859.1 | 0.0 | U/P |
| 3.200 | 2.1551 | 0.0000 | 78.001 | 1.92561 | 0.00000 | 3939.7 | 3916.9 | 0.0 | U/P |
| 3.208 | 2.1818 | 0.0000 | 78.001 | 1.92568 | 0.00000 | 4004.7 | 3974.6 | 0.0 | U/P |
| 3.217 | 2.2063 | 0.0000 | 78.001 | 1.92576 | 0.00000 | 4070.5 | 4032.4 | 0.0 | U/P |
| 3.225 | 2.2290 | 0.0000 | 78.001 | 1.92585 | 0.00000 | 4137.1 | 4090.2 | 0.0 | U/P |
| 3.233 | 2.2502 | 0.0000 | 78.002 | 1.92594 | 0.00000 | 4204.3 | 4148.0 | 0.0 | U/P |
| 3.242 | 2.2698 | 0.0000 | 78.002 | 1.92604 | 0.00000 | 4272.1 | 4205.7 | 0.0 | U/P |
| 3.250 | 2.2881 | 0.0000 | 78.002 | 1.92615 | 0.00000 | 4340.4 | 4263.5 | 0.0 | U/P |
| 3.258 | 2.3052 | 0.0000 | 78.003 | 1.92626 | 0.00000 | 4409.3 | 4321.3 | 0.0 | U/P |
| 3.267 | 2.3209 | 0.0000 | 78.003 | 1.92638 | 0.00000 | 4478.7 | 4379.1 | 0.0 | U/P |
| 3.275 | 2.3358 | 0.0000 | 78.003 | 1.92650 | 0.00000 | 4548.6 | 4436.9 | 0.0 | U/P |
| 3.283 | 2.3498 | 0.0000 | 78.004 | 1.92663 | 0.00000 | 4618.8 | 4494.7 | 0.0 | U/P |
| 3.292 | 2.3630 | 0.0000 | 78.004 | 1.92676 | 0.00000 | 4689.5 | 4552.5 | 0.0 | U/P |
| 3.300 | 2.3755 | 0.0000 | 78.005 | 1.92689 | 0.00000 | 4760.6 | 4610.3 | 0.0 | U/P |
| 3.308 | 2.3873 | 0.0000 | 78.005 | 1.92703 | 0.00000 | 4832.1 | 4668.1 | 0.0 | U/P |
| 3.317 | 2.3985 | 0.0000 | 78.005 | 1.92717 | 0.00000 | 4903.8 | 4725.9 | 0.0 | U/P |
| 3.325 | 2.4092 | 0.0000 | 78.006 | 1.92732 | 0.00000 | 4976.0 | 4783.7 | 0.0 | U/P |
| 3.333 | 2.4193 | 0.0000 | 78.006 | 1.92747 | 0.00000 | 5048.4 | 4841.5 | 0.0 | U/P |
| 3.342 | 2.4290 | 0.0000 | 78.007 | 1.92762 | 0.00000 | 5121.1 | 4899.4 | 0.0 | U/P |
| 3.350 | 2.4384 | 0.0000 | 78.007 | 1.92778 | 0.00000 | 5194.1 | 4957.2 | 0.0 | U/P |
| 3.358 | 2.4474 | 0.0000 | 78.008 | 1.92793 | 0.00000 | 5267.4 | 5015.0 | 0.0 | U/P |
| 3.367 | 2.4560 | 0.0000 | 78.008 | 1.92810 | 0.00000 | 5341.0 | 5072.9 | 0.0 | U/P |
| 3.375 | 2.4644 | 0.0000 | 78.009 | 1.92826 | 0.00000 | 5414.8 | 5130.7 | 0.0 | U/P |
| 3.383 | 2.4725 | 0.0000 | 78.009 | 1.92843 | 0.00000 | 5488.8 | 5188.6 | 0.0 | U/P |
| 3.392 | 2.4803 | 0.0000 | 78.010 | 1.92859 | 0.00000 | 5563.1 | 5246.4 | 0.0 | U/P |
| 3.400 | 2.4879 | 0.0000 | 78.010 | 1.92876 | 0.00000 | 5637.6 | 5304.3 | 0.0 | U/P |
| 3.408 | 2.4952 | 0.0000 | 78.011 | 1.92894 | 0.00000 | 5712.4 | 5362.2 | 0.0 | U/P |
| 3.417 | 2.5024 | 0.0000 | 78.011 | 1.92911 | 0.00000 | 5787.3 | 5420.0 | 0.0 | U/P |
| 3.425 | 2.5093 | 0.0000 | 78.012 | 1.92929 | 0.00000 | 5862.5 | 5477.9 | 0.0 | U/P |
| 3.433 | 2.5161 | 0.0000 | 78.012 | 1.92947 | 0.00000 | 5937.9 | 5535.8 | 0.0 | U/P |
| 3.442 | 2.5227 | 0.0000 | 78.013 | 1.92965 | 0.00000 | 6013.5 | 5593.7 | 0.0 | U/P |
| 3.450 | 2.5292 | 0.0000 | 78.013 | 1.92984 | 0.00000 | 6089.3 | 5651.6 | 0.0 | U/P |
| 3.458 | 2.5356 | 0.0000 | 78.014 | 1.93002 | 0.00000 | 6165.2 | 5709.5 | 0.0 | U/P |
| 3.467 | 2.5418 | 0.0000 | 78.014 | 1.93021 | 0.00000 | 6241.4 | 5767.4 | 0.0 | U/P |
| 3.475 | 2.5479 | 0.0000 | 78.015 | 1.93040 | 0.00000 | 6317.7 | 5825.3 | 0.0 | U/P |
| 3.483 | 2.5538 | 0.0000 | 78.015 | 1.93059 | 0.00000 | 6394.3 | 5883.2 | 0.0 | U/P |
| 3.492 | 2.5596 | 0.0000 | 78.016 | 1.93078 | 0.00000 | 6471.0 | 5941.1 | 0.0 | U/P |
| 3.500 | 2.5653 | 0.0000 | 78.016 | 1.93098 | 0.00000 | 6547.8 | 5999.0 | 0.0 | U/P |
| 3.508 | 2.5712 | 0.0000 | 78.017 | 1.93117 | 0.00000 | 6624.9 | 6057.0 | 0.0 | U/P |
| 3.517 | 2.5776 | 0.0000 | 78.018 | 1.93137 | 0.00000 | 6702.1 | 6114.9 | 0.0 | U/P |
| 3.525 | 2.5850 | 0.0000 | 78.018 | 1.93157 | 0.00000 | 6779.6 | 6172.9 | 0.0 | U/P |
| 3.533 | 2.5936 | 0.0000 | 78.019 | 1.93177 | 0.00000 | 6857.2 | 6230.8 | 0.0 | U/P |
| 3.542 | 2.6038 | 0.0000 | 78.019 | 1.93198 | 0.00000 | 6935.2 | 6288.8 | 0.0 | U/P |
| 3.550 | 2.6160 | 0.0000 | 78.020 | 1.93219 | 0.00000 | 7013.5 | 6346.7 | 0.0 | U/P |
| 3.558 | 2.6307 | 0.0000 | 78.021 | 1.93240 | 0.00000 | 7092.2 | 6404.7 | 0.0 | U/P |
| 3.567 | 2.6483 | 0.0000 | 78.021 | 1.93261 | 0.00000 | 7171.4 | 6462.7 | 0.0 | U/P |
| 3.575 | 2.6686 | 0.0000 | 78.022 | 1.93283 | 0.00000 | 7251.1 | 6520.6 | 0.0 | U/P |
| 3.583 | 2.6912 | 0.0000 | 78.023 | 1.93306 | 0.00000 | 7331.5 | 6578.6 | 0.0 | U/P |
| 3.592 | 2.7155 | 0.0000 | 78.023 | 1.93330 | 0.00000 | 7412.6 | 6636.6 | 0.0 | U/P |
| 3.600 | 2.7410 | 0.0000 | 78.024 | 1.93354 | 0.00000 | 7494.5 | 6694.6 67526 | 0.0 0.0 | U/P |
| 3.608 | 2.7671 | 0.0000 | 78.025 | 1.93379 | 0.00000 | 7577.1 | 6752.6 | 0.0 | U/P |
| 3.617 | 2.7932 | 0.0000 | 78.025 | 1.93405 | 0.00000 | 7660.5 | 6810.7 | 0.0 | U/P |
| 3.625 | 2.8191 | 0.0000 | 78.026 | 1.93431 | 0.00000 | 7744.7 | 6868.7 | 0.0 | U/P |
| 3.633 | 2.8442 | 0.0000 | 78.027 | 1.93458 | 0.00000 | 7829.6 | 6926.7 | 0.0 | U/P |
| 3.642 | 2.8684 | 0.0000 | 78.028 | 1.93487 | 0.00000 | 7915.3 | 6984.8 | 0.0 | U/P |
| 3.650 | 2.8913 | 0.0000 | 78.029 | 1.93515 | 0.00000 | 8001.7 | 7042.8 | 0.0 | U/P |
| 3.658 | 2.9129 | 0.0000 | 78.030 | 1.93545 | 0.00000 | 8088.8 | 7100.9 | 0.0 | U/P |
| 3.667 | 2.9330 | 0.0000 | 78.031 | 1.93575 | 0.00000 | 8176.5 | 7158.9 | 0.0 | U/P |
| 3.675 | 2.9514 | 0.0000 | 78.031 | 1.93606 | 0.00000 | 8264.7 | 7217.0 | 0.0 | U/P |
| 3.683 | 2.9679 | 0.0000 | 78.032 | 1.93637 | 0.00000 | 8353.5 | 7275.1 | 0.0 | U/P |
| 3.692 | 2.9828 | 0.0000 | 78.033 | 1.93669 | 0.00000 | 8442.8 | 7333.2 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate (ft3/s) | Outside Recharge (fi/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge (ft ${ }^{3} / \mathrm{s}$ ) | $\begin{aligned} & \text { Cumulative } \\ & \text { Inflow } \\ & \text { Volume }\left(f^{3}\right) \end{aligned}$ | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{fl}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 3.700 | 2.9964 | 0.0000 | 78.034 | 1.93701 | 0.00000 | 8532.5 | 7391.3 | 0.0 | U/P |
| 3.708 | 3.0089 | 0.0000 | 78.035 | 1.93734 | 0.00000 | 8622.6 | 7449.4 | 0.0 | U/P |
| 3.717 | 3.0205 | 0.0000 | 78.036 | 1.93767 | 0.00000 | 8713.0 | 7507.5 | 0.0 | U/P |
| 3.725 | 3.0313 | 0.0000 | 78.037 | 1.93800 | 0.00000 | 8803.8 | 7565.7 | 0.0 | U/P |
| 3.733 | 3.0413 | 0.0000 | 78.038 | 1.93834 | 0.00000 | 8894.9 | 7623.8 | 0.0 | U/P |
| 3.742 | 3.0507 | 0.0000 | 78.039 | 1.93868 | 0.00000 | 8986.2 | 7682.0 | 0.0 | U/P |
| 3.750 | 3.0596 | 0.0000 | 78.040 | 1.93902 | 0.00000 | 9077.9 | 7740.1 | 0.0 | U/P |
| 3.758 | 3.0679 | 0.0000 | 78.041 | 1.93937 | 0.00000 | 9169.8 | 7798.3 | 0.0 | U/P |
| 3.767 | 3.0756 | 0.0000 | 78.042 | 1.93971 | 0.00000 | 9262.0 | 7856.5 | 0.0 | U/P |
| 3.775 | 3.0829 | 0.0000 | 78.043 | 1.94006 | 0.00000 | 9354.3 | 7914.7 | 0.0 | U/P |
| 3.783 | 3.0899 | 0.0000 | 78.044 | 1.94042 | 0.00000 | 9446.9 | 7972.9 | 0.0 | U/P |
| 3.792 | 3.0965 | 0.0000 | 78.045 | 1.94077 | 0.00000 | 9539.7 | 8031.1 | 0.0 | U/P |
| 3.800 | 3.1027 | 0.0000 | 78.046 | 1.94113 | 0.00000 | 9632.7 | 8089.4 | 0.0 | U/P |
| 3.808 | 3.1087 | 0.0000 | 78.047 | 1.94148 | 0.00000 | 9725.9 | 8147.6 | 0.0 | U/P |
| 3.817 | 3.1144 | 0.0000 | 78.048 | 1.94184 | 0.00000 | 9819.2 | 8205.8 | 0.0 | U/P |
| 3.825 | 3.1199 | 0.0000 | 78.049 | 1.94220 | 0.00000 | 9912.7 | 8264.1 | 0.0 | U/P |
| 3.833 | 3.1251 | 0.0000 | 78.050 | 1.94257 | 0.00000 | 10006.4 | 8322.4 | 0.0 | U/P |
| 3.842 | 3.1302 | 0.0000 | 78.051 | 1.94293 | 0.00000 | 10100.3 | 8380.7 | 0.0 | U/P |
| 3.850 | 3.1351 | 0.0000 | 78.053 | 1.94329 | 0.00000 | 10194.2 | 8438.9 | 0.0 | U/P |
| 3.858 | 3.1398 | 0.0000 | 78.054 | 1.94366 | 0.00000 | 10288.4 | 8497.3 | 0.0 | U/P |
| 3.867 | 3.1444 | 0.0000 | 78.055 | 1.94403 | 0.00000 | 10382.6 | 8555.6 | 0.0 | U/P |
| 3.875 | 3.1488 | 0.0000 | 78.056 | 1.94440 | 0.00000 | 10477.0 | 8613.9 | 0.0 | U/P |
| 3.883 | 3.1531 | 0.0000 | 78.057 | 1.94477 | 0.00000 | 10571.5 | 8672.2 | 0.0 | U/P |
| 3.892 | 3.1573 | 0.0000 | 78.058 | 1.94514 | 0.00000 | 10666.2 | 8730.6 | 0.0 | U/P |
| 3.900 | 3.1614 | 0.0000 | 78.059 | 1.94551 | 0.00000 | 10761.0 | 8788.9 | 0.0 | U/P |
| 3.908 | 3.1654 | 0.0000 | 78.060 | 1.94588 | 0.00000 | 10855.9 | 8847.3 | 0.0 | U/P |
| 3.917 | 3.1693 | 0.0000 | 78.061 | 1.94626 | 0.00000 | 10950.9 | 8905.7 | 0.0 | U/P |
| 3.925 | 3.1731 | 0.0000 | 78.062 | 1.94663 | 0.00000 | 11046.0 | 8964.1 | 0.0 | U/P |
| 3.933 | 3.1768 | 0.0000 | 78.063 | 1.94701 | 0.00000 | 11141.3 | 9022.5 | 0.0 | U/P |
| 3.942 | 3.1804 | 0.0000 | 78.064 | 1.94739 | 0.00000 | 11236.6 | 9080.9 | 0.0 | U/P |
| 3.950 | 3.1840 | 0.0000 | 78.066 | 1.94777 | 0.00000 | 11332.1 | 9139.3 | 0.0 | U/P |
| 3.958 | 3.1875 | 0.0000 | 78.067 | 1.94815 | 0.00000 | 11427.7 | 9197.8 | 0.0 | U/P |
| 3.967 | 3.1910 | 0.0000 | 78.068 | 1.94853 | 0.00000 | 11523.4 | 9256.2 | 0.0 | U/P |
| 3.975 | 3.1944 | 0.0000 | 78.069 | 1.94891 | 0.00000 | 11619.1 | 9314.7 | 0.0 | U/P |
| 3.983 | 3.1977 | 0.0000 | 78.070 | 1.94929 | 0.00000 | 11715.0 | 9373.2 | 0.0 | U/P |
| 3.992 | 3.2010 | 0.0000 | 78.071 | 1.94967 | 0.00000 | 11811.0 | 9431.6 | 0.0 | U/P |
| 4.000 | 3.2042 | 0.0000 | 78.072 | 1.95005 | 0.00000 | 11907.1 | 9490.1 | 0.0 | U/P |
| 4.008 | 3.2074 | 0.0000 | 78.073 | 1.95044 | 0.00000 | 12003.3 | 9548.6 | 0.0 | U/P |
| 4.017 | 3.2122 | 0.0000 | 78.074 | 1.95082 | 0.00000 | 12099.5 | 9607.2 | 0.0 | U/P |
| 4.025 | 3.2198 | 0.0000 | 78.076 | 1.95121 | 0.00000 | 12196.0 | 9665.7 | 0.0 | U/P |
| 4.033 | 3.2314 | 0.0000 | 78.077 | 1.95160 | 0.00000 | 12292.8 | 9724.2 | 0.0 | U/P |
| 4.042 | 3.2477 | 0.0000 | 78.078 | 1.95199 | 0.00000 | 12390.0 | 9782.8 | 0.0 | U/P |
| 4.050 | 3.2701 | 0.0000 | 78.079 | 1.95239 | 0.00000 | 12487.8 | 9841.4 | 0.0 | U/P |
| 4.058 | 3.3001 | 0.0000 | 78.080 | 1.95279 | 0.00000 | 12586.3 | 9899.9 | 0.0 | U/P |
| 4.067 | 3.3389 | 0.0000 | 78.081 | 1.95320 | 0.00000 | 12685.9 | 9958.5 | 0.0 | U/P |
| 4.075 | 3.3875 | 0.0000 | 78.083 | 1.95363 | 0.00000 | 12786.8 | 10017.1 | 0.0 | U/P |
| 4.083 | 3.4442 | 0.0000 | 78.084 | 1.95407 | 0.00000 | 12889.3 | 10075.7 | 0.0 | U/P |
| 4.092 | 3.5075 | 0.0000 | 78.085 | 1.95452 | 0.00000 | 12993.5 | 10134.4 | 0.0 | U/P |
| 4.100 | 3.5755 | 0.0000 | 78.087 | 1.95500 | 0.00000 | 13099.8 | 10193.0 | 0.0 | U/P |
| 4.108 | 3.6466 | 0.0000 | 78.088 | 1.95549 | 0.00000 | 13208.1 | 10251.7 | 0.0 | U/P |
| 4.117 | 3.7182 | 0.0000 | 78.090 | 1.95601 | 0.00000 | 13318.6 | 10310.3 | 0.0 | U/P |
| 4.125 | 3.7898 | 0.0000 | 78.091 | 1.95655 | 0.00000 | 13431.2 | 10369.0 | 0.0 | U/P |
| 4.133 | 3.8599 | 0.0000 | 78.093 | 1.95711 | 0.00000 | 13545.9 | 10427.7 | 0.0 | U/P |
| 4.142 | 3.9270 | 0.0000 | 78.095 | 1.95769 | 0.00000 | 13662.8 | 10486.5 | 0.0 | U/P |
| 4.150 | 3.9906 | 0.0000 | 78.096 | 1.95829 | 0.00000 | 13781.5 | 10545.2 | 0.0 | U/P |
| 4.158 | 4.0502 | 0.0000 | 78.098 | 1.95891 | 0.00000 | 13902.1 | 10604.0 | 0.0 | U/P |
| 4.167 | 4.1055 | 0.0000 | 78.100 | 1.95955 | 0.00000 | 14024.5 | 10662.7 | 0.0 | U/P |
| 4.175 | 4.1555 | 0.0000 | 78.102 | 1.96020 | 0.00000 | 14148.4 | 10721.5 | 0.0 | U/P |
| 4.183 | 4.1995 | 0.0000 | 78.104 | 1.96087 | 0.00000 | 14273.7 | 10780.3 | 0.0 | U/P |
| 4.192 | 4.2380 | 0.0000 | 78.106 | 1.96155 | 0.00000 | 14400.3 | 10839.2 | 0.0 | U/P |
| 4.200 | 4.2720 | 0.0000 | 78.108 | 1.96224 | 0.00000 | 14527.9 | 10898.0 | 0.0 | U/P |
| 4.208 | 4.3023 | 0.0000 | 78.110 | 1.96295 | 0.00000 | 14656.5 | 10956.9 | 0.0 | U/P |
| 4.217 | 4.3296 | 0.0000 | 78.112 | 1.96366 | 0.00000 | 14786.0 | 11015.8 | 0.0 | U/P |
| 4.225 | 4.3542 | 0.0000 | 78.114 | 1.96438 | 0.00000 | 14916.3 | 11074.7 | 0.0 | U/P |
| 4.233 | 4.3764 | 0.0000 | 78.116 | 1.96511 | 0.00000 | 15047.2 | 11133.7 | 0.0 | U/P |
| 4.242 | 4.3967 | 0.0000 | 78.119 | 1.96584 | 0.00000 | 15178.8 | 11192.6 | 0.0 | U/P |
| 4.250 | 4.4151 | 0.0000 | 78.121 | 1.96658 | 0.00000 | 15311.0 | 11251.6 | 0.0 | U/P |
| 4.258 | 4.4319 | 0.0000 | 78.123 | 1.96732 | 0.00000 | 15443.7 | 11310.6 | 0.0 | U/P |
| 4.267 | 4.4470 | 0.0000 | 78.125 | 1.96807 | 0.00000 | 15576.9 | 11369.7 | 0.0 | U/P |
| 4.275 | 4.4606 | 0.0000 | 78.127 | 1.96882 | 0.00000 | 15710.5 | 11428.7 | 0.0 | U/P |
| 4.283 | 4.4732 | 0.0000 | 78.129 | 1.96958 | 0.00000 | 15844.5 | 11487.8 | 0.0 | U/P |
| 4.292 | 4.4847 | 0.0000 | 78.132 | 1.97034 | 0.00000 | 15978.9 | 11546.9 | 0.0 | U/P |
| 4.300 | 4.4952 | 0.0000 | 78.134 | 1.97110 | 0.00000 | 16113.6 | 11606.0 | 0.0 | U/P |
| 4.308 | 4.5049 | 0.0000 | 78.136 | 1.97186 | 0.00000 | 16248.6 | 11665.2 | 0.0 | U/P |

PONDS Version 3.2.0207

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate (ft3/s) | Overtlow Discharge ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4.317 | 4.5138 | 0.0000 | 78.138 | 1.97263 | 0.00000 | 16383.9 | 11724.3 | 0.0 | U/P |
| 4.325 | 4.5221 | 0.0000 | 78.141 | 1.97340 | 0.00000 | 16519.4 | 11783.5 | 0.0 | U/P |
| 4.333 | 4.5297 | 0.0000 | 78.143 | 1.97417 | 0.00000 | 16655.2 | 11842.7 | 0.0 | U/P |
| 4.342 | 4.5367 | 0.0000 | 78.145 | 1.97495 | 0.00000 | 16791.2 | 11902.0 | 0.0 | U/P |
| 4.350 | 4.5434 | 0.0000 | 78.147 | 1.97572 | 0.00000 | 16927.4 | 11961.2 | 0.0 | U/P |
| 4.358 | 4.5495 | 0.0000 | 78.150 | 1.97650 | 0.00000 | 17063.8 | 12020.5 | 0.0 | U/P |
| 4.367 | 4.5553 | 0.0000 | 78.152 | 1.97727 | 0.00000 | 17200.3 | 12079.8 | 0.0 | U/P |
| 4.375 | 4.5608 | 0.0000 | 78.154 | 1.97805 | 0.00000 | 17337.1 | 12139.2 | 0.0 | U/P |
| 4.383 | 4.5660 | 0.0000 | 78.156 | 1.97883 | 0.00000 | 17474.0 | 12198.5 | 0.0 | U/P |
| 4.392 | 4.5709 | 0.0000 | 78.159 | 1.97961 | 0.00000 | 17611.0 | 12257.9 | 0.0 | U/P |
| 4.400 | 4.5755 | 0.0000 | 78.161 | 1.98040 | 0.00000 | 17748.2 | 12317.3 | 0.0 | U/P |
| 4.408 | 4.5799 | 0.0000 | 78.163 | 1.98118 | 0.00000 | 17885.6 | 12376.7 | 0.0 | U/P |
| 4.417 | 4.5841 | 0.0000 | 78.165 | 1.98196 | 0.00000 | 18023.0 | 12436.2 | 0.0 | U/P |
| 4.425 | 4.5881 | 0.0000 | 78.168 | 1.98275 | 0.00000 | 18160.6 | 12495.6 | 0.0 | U/P |
| 4.433 | 4.5920 | 0.0000 | 78.170 | 1.98353 | 0.00000 | 18298.3 | 12555.1 | 0.0 | U/P |
| 4.442 | 4.5957 | 0.0000 | 78.172 | 1.98432 | 0.00000 | 18436.1 | 12614.6 | 0.0 | U/P |
| 4.450 | 4.5993 | 0.0000 | 78.175 | 1.98510 | 0.00000 | 18574.1 | 12674.2 | 0.0 | U/P |
| 4.458 | 4.6027 | 0.0000 | 78.177 | 1.98589 | 0.00000 | 18712.1 | 12733.7 | 0.0 | U/P |
| 4.467 | 4.6061 | 0.0000 | 78.179 | 1.98668 | 0.00000 | 18850.2 | 12793.3 | 0.0 | U/P |
| 4.475 | 4.6094 | 0.0000 | 78.181 | 1.98746 | 0.00000 | 18988.4 | 12852.9 | 0.0 | U/P |
| 4.483 | 4.6125 | 0.0000 | 78.184 | 1.98825 | 0.00000 | 19126.8 | 12912.6 | 0.0 | U/P |
| 4.492 | 4.6156 | 0.0000 | 78.186 | 1.98904 | 0.00000 | 19265.2 | 12972.2 | 0.0 | U/P |
| 4.500 | 4.6186 | 0.0000 | 78.188 | 1.98983 | 0.00000 | 19403.7 | 13031.9 | 0.0 | U/P |
| 4.508 | 4.6215 | 0.0000 | 78.191 | 1.99062 | 0.00000 | 19542.3 | 13091.6 | 0.0 | U/P |
| 4.517 | 4.6244 | 0.0000 | 78.193 | 1.99141 | 0.00000 | 19681.0 | 13151.4 | 0.0 | U/P |
| 4.525 | 4.6277 | 0.0000 | 78.195 | 1.99220 | 0.00000 | 19819.8 | 13211.1 | 0.0 | U/P |
| 4.533 | 4.6317 | 0.0000 | 78.198 | 1.99299 | 0.00000 | 19958.7 | 13270.9 | 0.0 | U/P |
| 4.542 | 4.6363 | 0.0000 | 78.200 | 1.99378 | 0.00000 | 20097.7 | 13330.7 | 0.0 | U/P |
| 4.550 | 4.6419 | 0.0000 | 78.202 | 1.99457 | 0.00000 | 20236.9 | 13390.5 | 0.0 | U/P |
| 4.558 | 4.6488 | 0.0000 | 78.204 | 1.99536 | 0.00000 | 20376.2 | 13450.4 | 0.0 | U/P |
| 4.567 | 4.6572 | 0.0000 | 78.207 | 1.99616 | 0.00000 | 20515.8 | 13510.2 | 0.0 | U/P |
| 4.575 | 4.6673 | 0.0000 | 78.209 | 1.99696 | 0.00000 | 20655.7 | 13570.1 | 0.0 | U/P |
| 4.583 | 4.6791 | 0.0000 | 78.211 | 1.99775 | 0.00000 | 20795.9 | 13630.1 | 0.0 | U/P |
| 4.592 | 4.6923 | 0.0000 | 78.214 | 1.99856 | 0.00000 | 20936.5 | 13690.0 | 0.0 | U/P |
| 4.600 | 4.7066 | 0.0000 | 78.216 | 1.99936 | 0.00000 | 21077.4 | 13750.0 | 0.0 | U/P |
| 4.608 | 4.7215 | 0.0000 | 78.218 | 2.00017 | 0.00000 | 21218.9 | 13810.0 | 0.0 | U/P |
| 4.617 | 4.7368 | 0.0000 | 78.221 | 2.00098 | 0.00000 | 21360.7 | 13870.0 | 0.0 | U/P |
| 4.625 | 4.7520 | 0.0000 | 78.223 | 2.00180 | 0.00000 | 21503.1 | 13930.0 | 0.0 | U/P |
| 4.633 | 4.7671 | 0.0000 | 78.226 | 2.00262 | 0.00000 | 21645.8 | 13990.1 | 0.0 | U/P |
| 4.642 | 4.7817 | 0.0000 | 78.228 | 2.00345 | 0.00000 | 21789.1 | 14050.2 | 0.0 | U/P |
| 4.650 | 4.7956 | 0.0000 | 78.230 | 2.00427 | 0.00000 | 21932.7 | 14110.3 | 0.0 | U/P |
| 4.658 | 4.8089 | 0.0000 | 78.233 | 2.00511 | 0.00000 | 22076.8 | 14170.4 | 0.0 | U/P |
| 4.667 | 4.8212 | 0.0000 | 78.235 | 2.00594 | 0.00000 | 22221.3 | 14230.6 | 0.0 | U/P |
| 4.675 | 4.8327 | 0.0000 | 78.238 | 2.00678 | 0.00000 | 22366.1 | 14290.8 | 0.0 | U/P |
| 4.683 | 4.8430 | 0.0000 | 78.240 | 2.00762 | 0.00000 | 22511.2 | 14351.0 | 0.0 | U/P |
| 4.692 | 4.8522 | 0.0000 | 78.243 | 2.00846 | 0.00000 | 22656.6 | 14411.2 | 0.0 | U/P |
| 4.700 | 4.8605 | 0.0000 | 78.245 | 2.00931 | 0.00000 | 22802.3 | 14471.5 | 0.0 | U/P |
| 4.708 | 4.8679 | 0.0000 | 78.247 | 2.01016 | 0.00000 | 22948.2 | 14531.8 | 0.0 | U/P |
| 4.717 | 4.8747 | 0.0000 | 78.250 | 2.01101 | 0.00000 | 23094.4 | 14592.1 | 0.0 | U/P |
| 4.725 | 4.8809 | 0.0000 | 78.252 | 2.01186 | 0.00000 | 23240.7 | 14652.5 | 0.0 | U/P |
| 4.733 | 4.8866 | 0.0000 | 78.255 | 2.01271 | 0.00000 | 23387.2 | 14712.8 | 0.0 | U/P |
| 4.742 | 4.8919 | 0.0000 | 78.257 | 2.01356 | 0.00000 | 23533.9 | 14773.2 | 0.0 | U/P |
| 4.750 | 4.8968 | 0.0000 | 78.260 | 2.01442 | 0.00000 | 23680.7 | 14833.6 | 0.0 | U/P |
| 4.758 | 4.9014 | 0.0000 | 78.262 | 2.01527 | 0.00000 | 23827.7 | 14894.1 | 0.0 | U/P |
| 4.767 | 4.9056 | 0.0000 | 78.265 | 2.01613 | 0.00000 | 23974.8 | 14954.6 | 0.0 | U/P |
| 4.775 | 4.9096 | 0.0000 | 78.267 | 2.01698 | 0.00000 | 24122.0 | 15015.1 | 0.0 | U/P |
| 4.783 | 4.9132 | 0.0000 | 78.270 | 2.01784 | 0.00000 | 24269.4 | 15075.6 | 0.0 | U/P |
| 4.792 | 4.9167 | 0.0000 | 78.272 | 2.01870 | 0.00000 | 24416.8 | 15136.1 | 0.0 | U/P |
| 4.800 | 4.9199 | 0.0000 | 78.275 | 2.01955 | 0.00000 | 24564.4 | 15196.7 | 0.0 | U/P |
| 4.808 | 4.9230 | 0.0000 | 78.277 | 2.02041 | 0.00000 | 24712.0 | 15257.3 | 0.0 | U/P |
| 4.817 | 4.9258 | 0.0000 | 78.280 | 2.02127 | 0.00000 | 24859.8 | 15317.9 | 0.0 | U/P |
| 4.825 | 4.9286 | 0.0000 | 78.282 | 2.02213 | 0.00000 | 25007.6 | 15378.6 | 0.0 | U/P |
| 4.833 | 4.9312 | 0.0000 | 78.285 | 2.02299 | 0.00000 | 25155.5 | 15439.3 | 0.0 | U/P |
| 4.842 | 4.9336 | 0.0000 | 78.287 | 2.02384 | 0.00000 | 25303.4 | 15500.0 | 0.0 | U/P |
| 4.850 | 4.9360 | 0.0000 | 78.290 | 2.02470 | 0.00000 | 25451.5 | 15560.7 | 0.0 | U/P |
| 4.858 | 4.9383 | 0.0000 | 78.292 | 2.02556 | 0.00000 | 25599.6 | 15621.4 | 0.0 | U/P |
| 4.867 | 4.9405 | 0.0000 | 78.295 | 2.02642 | 0.00000 | 25747.8 | 15682.2 | 0.0 | U/P |
| 4.875 | 4.9426 | 0.0000 | 78.297 | 2.02728 | 0.00000 | 25896.0 | 15743.0 | 0.0 | U/P |
| 4.883 | 4.9446 | 0.0000 | 78.300 | 2.02814 | 0.00000 | 26044.3 | 15803.9 | 0.0 | U/P |
| 4.892 | 4.9466 | 0.0000 | 78.302 | 2.02900 | 0.00000 | 26192.7 | 15864.7 | 0.0 | U/P |
| 4.900 | 4.9485 | 0.0000 | 78.305 | 2.02986 | 0.00000 | 26341.1 | 15925.6 | 0.0 | U/P |
| 4.908 | 4.9503 | 0.0000 | 78.307 | 2.03072 | 0.00000 | 26489.6 | 15986.5 | 0.0 | U/P |
| 4.917 | 4.9521 | 0.0000 | 78.310 | 2.03158 | 0.00000 | 26638.2 | 16047.4 | 0.0 | U/P |
| 4.925 | 4.9539 | 0.0000 | 78.312 | 2.03243 | 0.00000 | 26786.7 | 16108.4 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (fl/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{Cl}^{3 / 5}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | $\begin{aligned} & \text { Cumulative } \\ & \text { Inflow } \\ & \text { Volume }\left(\mathrm{f}^{3}\right) \end{aligned}$ | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4.933 | 4.9556 | 0.0000 | 78.315 | 2.03329 | 0.00000 | 26935.4 | 16169.4 | 0.0 | U/P |
| 4.942 | 4.9573 | 0.0000 | 78.317 | 2.03415 | 0.00000 | 27084.1 | 16230.4 | 0.0 | U/P |
| 4.950 | 4.9589 | 0.0000 | 78.320 | 2.03501 | 0.00000 | 27232.8 | 16291.4 | 0.0 | U/P |
| 4.958 | 4.9605 | 0.0000 | 78.322 | 2.03587 | 0.00000 | 27381.6 | 16352.5 | 0.0 | U/P |
| 4.967 | 4.9621 | 0.0000 | 78.325 | 2.03673 | 0.00000 | 27530.5 | 16413.6 | 0.0 | U/P |
| 4.975 | 4.9636 | 0.0000 | 78.327 | 2.03758 | 0.00000 | 27679.3 | 16474.7 | 0.0 | U/P |
| 4.983 | 4.9652 | 0.0000 | 78.330 | 2.03844 | 0.00000 | 27828.3 | 16535.8 | 0.0 | U/P |
| 4.992 | 4.9667 | 0.0000 | 78.332 | 2.03930 | 0.00000 | 27977.3 | 16597.0 | 0.0 | U/P |
| 5.000 | 4.9684 | 0.0000 | 78.335 | 2.04016 | 0.00000 | 28126.3 | 16658.2 | 0.0 | U/P |
| 5.008 | 4.9705 | 0.0000 | 78.337 | 2.04101 | 0.00000 | 28275.4 | 16719.4 | 0.0 | U/P |
| 5.017 | 4.9732 | 0.0000 | 78.340 | 2.04187 | 0.00000 | 28424.5 | 16780.7 | 0.0 | U/P |
| 5.025 | 4.9766 | 0.0000 | 78.342 | 2.04273 | 0.00000 | 28573.8 | 16841.9 | 0.0 | U/P |
| 5.033 | 4.9810 | 0.0000 | 78.345 | 2.04359 | 0.00000 | 28723.1 | 16903.2 | 0.0 | U/P |
| 5.042 | 4.9866 | 0.0000 | 78.347 | 2.04445 | 0.00000 | 28872.6 | 16964.5 | 0.0 | U/P |
| 5.050 | 4.9935 | 0.0000 | 78.350 | 2.04531 | 0.00000 | 29022.3 | 17025.9 | 0.0 | U/P |
| 5.058 | 5.0019 | 0.0000 | 78.352 | 2.04617 | 0.00000 | 29172.3 | 17087.3 | 0.0 | U/P |
| 5.067 | 5.0117 | 0.0000 | 78.355 | 2.04703 | 0.00000 | 29322.5 | 17148.7 | 0.0 | U/P |
| 5.075 | 5.0225 | 0.0000 | 78.357 | 2.04790 | 0.00000 | 29473.0 | 77210.1 | 0.0 | U/P |
| 5.083 | 5.0340 | 0.0000 | 78.360 | 2.04876 | 0.00000 | 29623.8 | 17271.5 | 0.0 | U/P |
| 5.092 | 5.0461 | 0.0000 | 78.362 | 2.04963 | 0.00000 | 29775.0 | 17333.0 | 0.0 | U/P |
| 5.100 | 5.0582 | 0.0000 | 78.365 | 2.05051 | 0.00000 | 29926.6 | 17394.5 | 0.0 | U/P |
| 5.108 | 5.0703 | 0.0000 | 78.367 | 2.05138 | 0.00000 | 30078.5 | 17456.0 | 0.0 | U/P |
| 5.117 | 5.0822 | 0.0000 | 78.370 | 2.05226 | 0.00000 | 30230.8 | 17517.6 | 0.0 | U/P |
| 5.125 | 5.0936 | 0.0000 | 78.372 | 2.05314 | 0.00000 | 30383.5 | 17579.2 | 0.0 | U/P |
| 5.133 | 5.1044 | 0.0000 | 78.375 | 2.05403 | 0.00000 | 30536.4 | 17640.8 | 0.0 | U/P |
| 5.142 | 5.1146 | 0.0000 | 78.378 | 2.05492 | 0.00000 | 30689.7 | 17702.4 | 0.0 | U/P |
| 5.150 | 5.1240 | 0.0000 | 78.380 | 2.05581 | 0.00000 | 30843.3 | 17764.1 | 0.0 | U/P |
| 5.158 | 5.1327 | 0.0000 | 78.383 | 2.05670 | 0.00000 | 30997.1 | 17825.8 | 0.0 | U/P |
| 5.167 | 5.1403 | 0.0000 | 78.385 | 2.05759 | 0.00000 | 31151.2 | 17887.5 | 0.0 | U/P |
| 5.175 | 5.1471 | 0.0000 | 78.388 | 2.05849 | 0.00000 | 31305.5 | 17949.2 | 0.0 | U/P |
| 5.183 | 5.1531 | 0.0000 | 78.391 | 2.05938 | 0.00000 | 31460.0 | 18011.0 | 0.0 | U/P |
| 5.192 | 5.1586 | 0.0000 | 78.393 | 2.06028 | 0.00000 | 31614.7 | 18072.8 | 0.0 | U/P |
| 5.200 | 5.1635 | 0.0000 | 78.396 | 2.06118 | 0.00000 | 31769.5 | 18134.6 | 0.0 | U/P |
| 5.208 | 5.1680 | 0.0000 | 78.398 | 2.06208 | 0.00000 | 31924.5 | 18196.5 | 0.0 | U/P |
| 5.217 | 5.1721 | 0.0000 | 78.401 | 2.06298 | 0.00000 | 32079.6 | 18258.3 | 0.0 | U/P |
| 5.225 | 5.1758 | 0.0000 | 78.404 | 2.06388 | 0.00000 | 32234.8 | 18320.2 | 0.0 | U/P |
| 5.233 | 5.1793 | 0.0000 | 78.406 | 2.06478 | 0.00000 | 32390.2 | 18382.2 | 0.0 | U/P |
| 5.242 | 5.1825 | 0.0000 | 78.409 | 2.06568 | 0.00000 | 32545.6 | 18444.1 | 0.0 | U/P |
| 5.250 | 5.1854 | 0.0000 | 78.412 | 2.06658 | 0.00000 | 32701.1 | 18506.1 | 0.0 | U/P |
| 5.258 | 5.1881 | 0.0000 | 78.414 | 2.06748 | 0.00000 | 32856.7 | 18568.1 | 0.0 | U/P |
| 5.267 | 5.1906 | 0.0000 | 78.417 | 2.06838 | 0.00000 | 33012.4 | 18630.2 | 0.0 | U/P |
| 5.275 | 5.1930 | 0.0000 | 78.419 | 2.06928 | 0.00000 | 33168.1 | 18692.2 | 0.0 | U/P |
| 5.283 | 5.1952 | 0.0000 | 78.422 | 2.07019 | 0.00000 | 33324.0 | 18754.3 | 0.0 | U/P |
| 5.292 | 5.1972 | 0.0000 | 78.425 | 2.07109 | 0.00000 | 33479.9 | 18816.4 | 0.0 | U/P |
| 5.300 | 5.1991 | 0.0000 | 78.427 | 2.07199 | 0.00000 | 33635.8 | 18878.6 | 0.0 | U/P |
| 5.308 | 5.2009 | 0.0000 | 78.430 | 2.07289 | 0.00000 | 33791.8 | 18940.8 | 0.0 | U/P |
| 5.317 | 5.2026 | 0.0000 | 78.432 | 2.07379 | 0.00000 | 33947.9 | 19003.0 | 0.0 | U/P |
| 5.325 | 5.2042 | 0.0000 | 78.435 | 2.07469 | 0.00000 | 34104.0 | 19065.2 | 0.0 | U/P |
| 5.333 | 5.2057 | 0.0000 | 78.438 | 2.07559 | 0.00000 | 34260.1 | 19127.4 | 0.0 | U/P |
| 5.342 | 5.2072 | 0.0000 | 78.440 | 2.07650 | 0.00000 | 34416.3 | 19189.7 | 0.0 | U/P |
| 5.350 | 5.2086 | 0.0000 | 78.443 | 2.07740 | 0.00000 | 34572.5 | 19252.0 | 0.0 | U/P |
| 5.358 | 5.2099 | 0.0000 | 78.446 | 2.07830 | 0.00000 | 34728.8 | 19314.4 | 0.0 | U/P |
| 5.367 | 5.2112 | 0.0000 | 78.448 | 2.07920 | 0.00000 | 34885.1 | 19376.7 | 0.0 | U/P |
| 5.375 | 5.2124 | 0.0000 | 78.451 | 2.08010 | 0.00000 | 35041.5 | 19439.1 | 0.0 | U/P |
| 5.383 | 5.2136 | 0.0000 | 78.453 | 2.08100 | 0.00000 | 35197.9 | 19501.5 | 0.0 | U/P |
| 5.392 | 5.2148 | 0.0000 | 78.456 | 2.08190 | 0.00000 | 35354.3 | 19564.0 | 0.0 | U/P |
| 5.400 | 5.2159 | 0.0000 | 78.459 | 2.08279 | 0.00000 | 35510.8 | 19626.4 | 0.0 | U/P |
| 5.408 | 5.2170 | 0.0000 | 78.461 | 2.08369 | 0.00000 | 35667.3 | 19688.9 | 0.0 | U/P |
| 5.417 | 5.2180 | 0.0000 | 78.464 | 2.08459 | 0.00000 | 35823.8 | 19751.5 | 0.0 | U/P |
| 5.425 | 5.2191 | 0.0000 | 78.466 | 2.08549 | 0.00000 | 35980.3 | 19814.0 | 0.0 | U/P |
| 5.433 | 5.2201 | 0.0000 | 78.469 | 2.08639 | 0.00000 | 36136.9 | 19876.6 | 0.0 | U/P |
| 5.442 | 5.2211 | 0.0000 | 78.472 | 2.08728 | 0.00000 | 36293.5 | 19939.2 | 0.0 | U/P |
| 5.450 | 5.2220 | 0.0000 | 78.474 | 2.08818 | 0.00000 | 36450.2 | 20001.8 | 0.0 | U/P |
| 5.458 | 5.2230 | 0.0000 | 78.477 | 2.08908 | 0.00000 | 36606.9 | 20064.5 | 0.0 | U/P |
| 5.467 | 5.2239 | 0.0000 | 78.479 | 2.08997 | 0.00000 | 36763.6 | 20127.2 | 0.0 | U/P |
| 5.475 | 5.2248 | 0.0000 | 78.482 | 2.09087 | 0.00000 | 36920.3 | 20189.9 | 0.0 | U/P |
| 5.483 | 5.2257 | 0.0000 | 78.485 | 2.09176 | 0.00000 | 37077.1 | 20252.6 | 0.0 | U/P |
| 5.492 | 5.2266 | 0.0000 | 78.487 | 2.09266 | 0.00000 | 37233.8 | 20315.4 | 0.0 | U/P |
| 5.500 | 5.2275 | 0.0000 | 78.490 | 2.09355 | 0.00000 | 37390.6 | 20378.2 | 0.0 | U/P |
| 5.508 | 5.2283 | 0.0000 | 78.492 | 2.09445 | 0.00000 | 37547.5 | 20441.0 | 0.0 | U/P |
| 5.517 | 5.2291 | 0.0000 | 78.495 | 2.09534 | 0.00000 | 37704.3 | 20503.9 | 0.0 | U/P |
| 5.525 | 5.2299 | 0.0000 | 78.498 | 2.09624 | 0.00000 | 37861.2 | 20566.7 | 0.0 | U/P |
| 5.533 | 5.2307 | 0.0000 | 78.500 | 2.09713 | 0.00000 | 38018.1 | 20629.6 | 0.0 | U/P |
| 5.542 | 5.2315 | 0.0000 | 78.503 | 2.09802 | 0.00000 | 38175.1 | 20692.6 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infititration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{f} \mathrm{t}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 5.550 | 5.2323 | 0.0000 | 78.505 | 2.09891 | 0.00000 | 38332.0 | 20755.5 | 0.0 | U/P |
| 5.558 | 5.2330 | 0.0000 | 78.508 | 2.09980 | 0.00000 | 38489.0 | 20818.5 | 0.0 | U/P |
| 5.567 | 5.2338 | 0.0000 | 78.511 | 2.10070 | 0.00000 | 38646.0 | 20881.5 | 0.0 | U/P |
| 5.575 | 5.2345 | 0.0000 | 78.513 | 2.10159 | 0.00000 | 38803.0 | 20944.5 | 0.0 | U/P |
| 5.583 | 5.2353 | 0.0000 | 78.516 | 2.10248 | 0.00000 | 38960.1 | 21007.6 | 0.0 | U/P |
| 5.592 | 5.2360 | 0.0000 | 78.518 | 2.10337 | 0.00000 | 39117.2 | 21070.7 | 0.0 | U/P |
| 5.600 | 5.2367 | 0.0000 | 78.521 | 2.10426 | 0.00000 | 39274.2 | 21133.8 | 0.0 | U/P |
| 5.608 | 5.2374 | 0.0000 | 78.524 | 2.10515 | 0.00000 | 39431.4 | 21196.9 | 0.0 | U/P |
| 5.617 | 5.2381 | 0.0000 | 78.526 | 2.10604 | 0.00000 | 39588.5 | 21260.1 | 0.0 | U/P |
| 5.625 | 5.2388 | 0.0000 | 78.529 | 2.10692 | 0.00000 | 39745.6 | 21323.3 | 0.0 | U/P |
| 5.633 | 5.2395 | 0.0000 | 78.531 | 2.10781 | 0.00000 | 39902.8 | 21386.5 | 0.0 | U/P |
| 5.642 | 5.2402 | 0.0000 | 78.534 | 2.10870 | 0.00000 | 40060.0 | 21449.8 | 0.0 | U/P |
| 5.650 | 5.2409 | 0.0000 | 78.536 | 2.10959 | 0.00000 | 40217.2 | 21513.0 | 0.0 | U/P |
| 5.658 | 5.2416 | 0.0000 | 78.539 | 2.11047 | 0.00000 | 40374.5 | 21576.3 | 0.0 | U/P |
| 5.667 | 5.2423 | 0.0000 | 78.542 | 2.11136 | 0.00000 | 40531.7 | 21639.7 | 0.0 | U/P |
| 5.675 | 5.2429 | 0.0000 | 78.544 | 2.11225 | 0.00000 | 40689.0 | 21703.0 | 0.0 | U/P |
| 5.683 | 5.2436 | 0.0000 | 78.547 | 2.11313 | 0.00000 | 40846.3 | 21766.4 | 0.0 | U/P |
| 5.692 | 5.2443 | 0.0000 | 78.549 | 2.11402 | 0.00000 | 41003.6 | 21829.8 | 0.0 | U/P |
| 5.700 | 5.2449 | 0.0000 | 78.552 | 2.11490 | 0.00000 | 41161.0 | 21893.2 | 0.0 | U/P |
| 5.708 | 5.2456 | 0.0000 | 78.554 | 2.11578 | 0.00000 | 41318.3 | 21956.7 | 0.0 | U/P |
| 5.717 | 5.2462 | 0.0000 | 78.557 | 2.11667 | 0.00000 | 41475.7 | 22020.2 | 0.0 | U/P |
| 5.725 | 5.2468 | 0.0000 | 78.560 | 2.11755 | 0.00000 | 41633.1 | 22083.7 | 0.0 | U/P |
| 5.733 | 5.2475 | 0.0000 | 78.562 | 2.11843 | 0.00000 | 41790.5 | 22147.2 | 0.0 | U/P |
| 5.742 | 5.2481 | 0.0000 | 78.565 | 2.11932 | 0.00000 | 41947.9 | 22210.8 | 0.0 | U/P |
| 5.750 | 5.2487 | 0.0000 | 78.567 | 2.12020 | 0.00000 | 42105.4 | 22274.4 | 0.0 | U/P |
| 5.758 | 5.2494 | 0.0000 | 78.570 | 2.12108 | 0.00000 | 42262.9 | 22338.0 | 0.0 | U/P |
| 5.767 | 5.2500 | 0.0000 | 78.572 | 2.12196 | 0.00000 | 42420.4 | 22401.7 | 0.0 | U/P |
| 5.775 | 5.2506 | 0.0000 | 78.575 | 2.12284 | 0.00000 | 42577.9 | 22465.3 | 0.0 | U/P |
| 5.783 | 5.2512 | 0.0000 | 78.578 | 2.12372 | 0.00000 | 42735.4 | 22529.0 | 0.0 | U/P |
| 5.792 | 5.2518 | 0.0000 | 78.580 | 2.12460 | 0.00000 | 42892.9 | 22592.8 | 0.0 | U/P |
| 5.800 | 5.2524 | 0.0000 | 78.583 | 2.12548 | 0.00000 | 43050.5 | 22656.5 | 0.0 | U/P |
| 5.808 | 5.2530 | 0.0000 | 78.585 | 2.12636 | 0.00000 | 43208.1 | 22720.3 | 0.0 | U/P |
| 5.817 | 5.2535 | 0.0000 | 78.588 | 2.12724 | 0.00000 | 43365.7 | 22784.1 | 0.0 | U/P |
| 5.825 | 5.2541 | 0.0000 | 78.590 | 2.12812 | 0.00000 | 43523.3 | 22847.9 | 0.0 | U/P |
| 5.833 | 5.2547 | 0.0000 | 78.593 | 2.12899 | 0.00000 | 43680.9 | 22911.8 | 0.0 | U/P |
| 5.842 | 5.2553 | 0.0000 | 78.595 | 2.12987 | 0.00000 | 43838.6 | 22975.7 | 0.0 | U/P |
| 5.850 | 5.2558 | 0.0000 | 78.598 | 2.13075 | 0.00000 | 43996.2 | 23039.6 | 0.0 | U/P |
| 5.858 | 5.2564 | 0.0000 | 78.600 | 2.13162 | 0.00000 | 44153.9 | 23103.5 | 0.0 | U/P |
| 5.867 | 5.2570 | 0.0000 | 78.603 | 2.13250 | 0.00000 | 44311.6 | 23167.5 | 0.0 | U/P |
| 5.875 | 5.2575 | 0.0000 | 78.606 | 2.13337 | 0.00000 | 44469.3 | 23231.5 | 0.0 | U/P |
| 5.883 | 5.2581 | 0.0000 | 78.608 | 2.13425 | 0.00000 | 44627.1 | 23295.5 | 0.0 | U/P |
| 5.892 | 5.2586 | 0.0000 | 78.611 | 2.13512 | 0.00000 | 44784.8 | 23359.5 | 0.0 | U/P |
| 5.900 | 5.2592 | 0.0000 | 78.613 | 2.13600 | 0.00000 | 44942.6 | 23423.6 | 0.0 | U/P |
| 5.908 | 5.2597 | 0.0000 | 78.616 | 2.13687 | 0.00000 | 45100.4 | 23487.7 | 0.0 | U/P |
| 5.917 | 5.2602 | 0.0000 | 78.618 | 2.13774 | 0.00000 | 45258.2 | 23551.8 | 0.0 | U/P |
| 5.925 | 5.2607 | 0.0000 | 78.621 | 2.13862 | 0.00000 | 45416.0 | 23615.9 | 0.0 | U/P |
| 5.933 | 5.2613 | 0.0000 | 78.623 | 2.13949 | 0.00000 | 45573.8 | 23680.1 | 0.0 | U/P |
| 5.942 | 5.2618 | 0.0000 | 78.626 | 2.14036 | 0.00000 | 45731.7 | 23744.3 | 0.0 | U/P |
| 5.950 | 5.2623 | 0.0000 | 78.628 | 2.14123 | 0.00000 | 45889.5 | 23808.5 | 0.0 | U/P |
| 5.958 | 5.2628 | 0.0000 | 78.631 | 2.14210 | 0.00000 | 46047.4 | 23872.8 | 0.0 | U/P |
| 5.967 | 5.2633 | 0.0000 | 78.633 | 2.14297 | 0.00000 | 46205.3 | 23937.1 | 0.0 | U/P |
| 5.975 | 5.2638 | 0.0000 | 78.636 | 2.14384 | 0.00000 | 46363.2 | 24001.4 | 0.0 | U/P |
| 5.983 | 5.2643 | 0.0000 | 78.638 | 2.14471 | 0.00000 | 46521.1 | 24065.7 | 0.0 | U/P |
| 5.992 | 5.2648 | 0.0000 | 78.641 | 2.14558 | 0.00000 | 46679.1 | 24130.0 | 0.0 | U/P |
| 6.000 | 5.2653 | 0.0000 | 78.644 | 2.14645 | 0.00000 | 46837.0 | 24194.4 | 0.0 | U/P |
| 6.008 | 5.2730 | 0.0000 | 78.646 | 2.14732 | 0.00000 | 46995.1 | 24258.8 | 0.0 | U/P |
| 6.017 | 5.2943 | 0.0000 | 78.649 | 2.14819 | 0.00000 | 47153.6 | 24323.3 | 0.0 | U/P |
| 6.025 | 5.3341 | 0.0000 | 78.651 | 2.14906 | 0.00000 | 47313.0 | 24387.7 | 0.0 | U/P |
| 6.033 | 5.3956 | 0.0000 | 78.654 | 2.14995 | 0.00000 | 47474.0 | 24452.2 | 0.0 | U/P |
| 6.042 | 5.4859 | 0.0000 | 78.656 | 2.15085 | 0.00000 | 47637.2 | 24516.7 | 0.0 | U/P |
| 6.050 | 5.6115 | 0.0000 | 78.659 | 2.15178 | 0.00000 | 47803.6 | 24581.3 | 0.0 | U/P |
| 6.058 | 5.7780 | 0.0000 | 78.662 | 2.15275 | 0.00000 | 47974.5 | 24645.8 | 0.0 | U/P |
| 6.067 | 5.9902 | 0.0000 | 78.665 | 2.15376 | 0.00000 | 48151.0 | 24710.4 | 0.0 | U/P |
| 6.075 | 6.2410 | 0.0000 | 78.668 | 2.15482 | 0.00000 | 48334.5 | 24775.0 | 0.0 | U/P |
| 6.083 | 6.5224 | 0.0000 | 78.672 | 2.15596 | 0.00000 | 48525.9 | 24839.7 | 0.0 | U/P |
| 6.092 | 6.8262 | 0.0000 | 78.675 | 2.15717 | 0.00000 | 48726.2 | 24904.4 | 0.0 | U/P |
| 6.100 | 7.1445 | 0.0000 | 78.679 | 2.15846 | 0.00000 | 48935.7 | 24969.1 | 0.0 | U/P |
| 6.108 | 7.4653 | 0.0000 | 78.683 | 2.15984 | 0.00000 | 49154.9 | 25033.9 | 0.0 | U/P |
| 6.117 | 7.7854 | 0.0000 | 78.688 | 2.16131 | 0.00000 | 49383.6 | 25098.7 | 0.0 | U/P |
| 6.125 | 8.0991 | 0.0000 | 78.692 | 2.16286 | 0.00000 | 49621.9 | 25163.6 | 0.0 | U/P |
| 6.133 | 8.3985 | 0.0000 | 78.697 | 2.16450 | 0.00000 | 49869.4 | 25228.5 | 0.0 | U/P |
| 6.142 | 8.6810 | 0.0000 | 78.702 | 2.16622 | 0.00000 | 50125.6 | 25293.5 | 0.0 | U/P |
| 6.150 | 8.9452 | 0.0000 | 78.708 | 2.16801 | 0.00000 | 50389.9 | 25358.5 | 0.0 | U/P |
| 6.158 | 9.1886 | 0.0000 | 78.713 | 2.16988 | 0.00000 | 50662.0 | 25423.5 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative infittration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 6.167 | 9.4080 | 0.0000 | 78.719 | 2.17181 | 0.00000 | 50940.9 | 25488.7 | 0.0 | U/P |
| 6.175 | 9.5985 | 0.0000 | 78.725 | 2.17380 | 0.00000 | 51226.0 | 25553.9 | 0.0 | U/P |
| 6.183 | 9.7634 | 0.0000 | 78.731 | 2.17584 | 0.00000 | 51516.4 | 25619.1 | 0.0 | U/P |
| 6.192 | 9.9067 | 0.0000 | 78.737 | 2.17792 | 0.00000 | 51811.5 | 25684.4 | 0.0 | U/P |
| 6.200 | 10.0332 | 0.0000 | 78.743 | 2.18004 | 0.00000 | 52110.6 | 25749.8 | 0.0 | U/P |
| 6.208 | 10.1453 | 0.0000 | 78.749 | 2.18219 | 0.00000 | 52413.3 | 25815.2 | 0.0 | U/P |
| 6.217 | 10.2445 | 0.0000 | 78.756 | 2.18436 | 0.00000 | 52719.1 | 25880.7 | 0.0 | U/P |
| 6.225 | 10.3328 | 0.0000 | 78.762 | 2.18657 | 0.00000 | 53027.8 | 25946.3 | 0.0 | U/P |
| 6.233 | 10.4123 | 0.0000 | 78.769 | 2.18879 | 0.00000 | 53338.9 | 26011.9 | 0.0 | U/P |
| 6.242 | 10.4830 | 0.0000 | 78.775 | 2.19103 | 0.00000 | 53652.4 | 26077.6 | 0.0 | U/P |
| 6.250 | 10.5460 | 0.0000 | 78.782 | 2.19329 | 0.00000 | 53967.8 | 26143.4 | 0.0 | U/P |
| 6.258 | 10.6017 | 0.0000 | 78.788 | 2.19557 | 0.00000 | 54285.0 | 26209.2 | 0.0 | U/P |
| 6.267 | 10.6503 | 0.0000 | 78.795 | 2.19785 | 0.00000 | 54603.8 | 26275.1 | 0.0 | U/P |
| 6.275 | 10.6940 | 0.0000 | 78.802 | 2.20015 | 0.00000 | 54924.0 | 26341.1 | 0.0 | U/P |
| 6.283 | 10.7329 | 0.0000 | 78.808 | 2.20245 | 0.00000 | 55245.4 | 26407.1 | 0.0 | U/P |
| 6.292 | 10.7674 | 0.0000 | 78.815 | 2.20477 | 0.00000 | 55567.9 | 26473.2 | 0.0 | U/P |
| 6.300 | 10.7983 | 0.0000 | 78.822 | 2.20709 | 0.00000 | 55891.4 | 26539.4 | 0.0 | U/P |
| 6.308 | 10.8255 | 0.0000 | 78.829 | 2.20941 | 0.00000 | 56215.7 | 26605.6 | 0.0 | U/P |
| 6.317 | 10.8498 | 0.0000 | 78.835 | 2.21174 | 0.00000 | 56540.8 | 26672.0 | 0.0 | U/P |
| 6.325 | 10.8714 | 0.0000 | 78.842 | 2.21407 | 0.00000 | 56866.7 | 26738.3 | 0.0 | U/P |
| 6.333 | 10.8903 | 0.0000 | 78.849 | 2.21641 | 0.00000 | 57193.1 | 26804.8 | 0.0 | U/P |
| 6.342 | 10.9075 | 0.0000 | 78.856 | 2.21874 | 0.00000 | 57520.0 | 26871.3 | 0.0 | U/P |
| 6.350 | 10.9228 | 0.0000 | 78.863 | 2.22108 | 0.00000 | 57847.5 | 26937.9 | 0.0 | U/P |
| 6.358 | 10.9364 | 0.0000 | 78.869 | 2.22342 | 0.00000 | 58175.4 | 27004.6 | 0.0 | U/P |
| 6.367 | 10.9488 | 0.0000 | 78.876 | 2.22576 | 0.00000 | 58503.7 | 27071.3 | 0.0 | U/P |
| 6.375 | 10.9597 | 0.0000 | 78.883 | 2.22810 | 0.00000 | 58832.3 | 27138.1 | 0.0 | U/P |
| 6.383 | 10.9696 | 0.0000 | 78.890 | 2.23044 | 0.00000 | 59161.2 | 27205.0 | 0.0 | U/P |
| 6.392 | 10.9785 | 0.0000 | 78.897 | 2.23278 | 0.00000 | 59490.5 | 27272.0 | 0.0 | U/P |
| 6.400 | 10.9865 | 0.0000 | 78.903 | 2.23512 | 0.00000 | 59819.9 | 27339.0 | 0.0 | U/P |
| 6.408 | 10.9937 | 0.0000 | 78.910 | 2.23746 | 0.00000 | 60149.6 | 27406.1 | 0.0 | U/P |
| 6.417 | 11.0001 | 0.0000 | 78.917 | 2.23980 | 0.00000 | 60479.5 | 27473.2 | 0.0 | U/P |
| 6.425 | 11.0059 | 0.0000 | 78.924 | 2.24213 | 0.00000 | 60809.6 | 27540.5 | 0.0 | U/P |
| 6.433 | 11.0112 | 0.0000 | 78.930 | 2.24447 | 0.00000 | 61139.9 | 27607.8 | 0.0 | U/P |
| 6.442 | 11.0161 | 0.0000 | 78.937 | 2.24680 | 0.00000 | 61470.3 | 27675.1 | 0.0 | U/P |
| 6.450 | 11.0205 | 0.0000 | 78.944 | 2.24913 | 0.00000 | 61800.9 | 27742.6 | 0.0 | U/P |
| 6.458 | 11.0247 | 0.0000 | 78.951 | 2.25146 | 0.00000 | 62131.5 | 27810.1 | 0.0 | U/P |
| 6.467 | 11.0285 | 0.0000 | 78.958 | 2.25378 | 0.00000 | 62462.3 | 27877.6 | 0.0 | U/P |
| 6.475 | 11.0320 | 0.0000 | 78.964 | 2.25611 | 0.00000 | 62793.2 | 27945.3 | 0.0 | U/P |
| 6.483 | 11.0353 | 0.0000 | 78.971 | 2.25843 | 0.00000 | 63124.2 | 28013.0 | 0.0 | U/P |
| 6.492 | 11.0382 | 0.0000 | 78.978 | 2.26075 | 0.00000 | 63455.3 | 28080.8 | 0.0 | U/P |
| 6.500 | 11.0409 | 0.0000 | 78.985 | 2.26307 | 0.00000 | 63786.5 | 28148.7 | 0.0 | U/P |
| 6.508 | 11.0441 | 0.0000 | 78.991 | 2.26539 | 0.00000 | 64117.8 | 28216.6 | 0.0 | U/P |
| 6.517 | 11.0496 | 0.0000 | 78.998 | 2.26770 | 0.00000 | 64449.2 | 28284.6 | 0.0 | U/P |
| 6.525 | 11.0585 | 0.0000 | 79.005 | 2.27002 | 0.00000 | 64780.8 | 28352.6 | 0.0 | U/P |
| 6.533 | 11.0719 | 0.0000 | 79.011 | 2.27235 | 0.00000 | 65112.8 | 28420.8 | 0.0 | U/P |
| 6.542 | 11.0909 | 0.0000 | 79.018 | 2.27469 | 0.00000 | 65445.2 | 28489.0 | 0.0 | U/P |
| 6.550 | 11.1172 | 0.0000 | 79.025 | 2.27703 | 0.00000 | 65778.4 | 28557.3 | 0.0 | U/P |
| 6.558 | 11.1521 | 0.0000 | 79.032 | 2.27937 | 0.00000 | 66112.4 | 28625.6 | 0.0 | U/P |
| 6.567 | 11.1972 | 0.0000 | 79.038 | 2.28171 | 0.00000 | 66447.6 | 28694.0 | 0.0 | U/P |
| 6.575 | 11.2519 | 0.0000 | 79.045 | 2.28407 | 0.00000 | 66784.4 | 28762.5 | 0.0 | U/P |
| 6.583 | 11.3147 | 0.0000 | 79.052 | 2.28644 | 0.00000 | 67122.9 | 28831.1 | 0.0 | U/P |
| 6.592 | 11.3835 | 0.0000 | 79.059 | 2.28882 | 0.00000 | 67463.3 | 28899.7 | 0.0 | U/P |
| 6.600 | 11.4566 | 0.0000 | 79.066 | 2.29121 | 0.00000 | 67805.9 | 28968.4 | 0.0 | U/P |
| 6.608 | 11.5316 | 0.0000 | 79.073 | 2.29362 | 0.00000 | 68150.8 | 29037.2 | 0.0 | U/P |
| 6.617 | 11.6068 | 0.0000 | 79.080 | 2.29605 | 0.00000 | 68497.8 | 29106.0 | 0.0 | U/P |
| 6.625 | 11.6819 | 0.0000 | 79.087 | 2.29850 | 0.00000 | 68847.2 | 29174.9 | 0.0 | U/P |
| 6.633 | 11.7530 | 0.0000 | 79.094 | 2.30096 | 0.00000 | 69198.7 | 29243.9 | 0.0 | U/P |
| 6.642 | 11.8212 | 0.0000 | 79.101 | 2.30343 | 0.00000 | 69552.3 | 29313.0 | 0.0 | U/P |
| 6.650 | 11.8852 | 0.0000 | 79.108 | 2.30592 | 0.00000 | 69907.9 | 29382.1 | 0.0 | U/P |
| 6.658 | 11.9448 | 0.0000 | 79.115 | 2.30843 | 0.00000 | 70265.3 | 29451.4 | 0.0 | U/P |
| 6.667 | 11.9991 | 0.0000 | 79.123 | 2.31094 | 0.00000 | 70624.5 | 29520.6 | 0.0 | U/P |
| 6.675 | 12.0472 | 0.0000 | 79.130 | 2.31347 | 0.00000 | 70985.2 | 29590.0 | 0.0 | U/P |
| 6.683 | 12.0890 | 0.0000 | 79.137 | 2.31601 | 0.00000 | 71347.2 | 29659.5 | 0.0 | U/P |
| 6.692 | \$2.1253 | 0.0000 | 79.145 | 2.31855 | 0.00000 | 71710.4 | 29729.0 | 0.0 | U/P |
| 6.700 | 12.1571 | 0.0000 | 79,152 | 2.32110 | 0.00000 | 72074.7 | 29798.6 | 0.0 | U/P |
| 6.708 | 12.1853 | 0.0000 | 79.159 | 2.32365 | 0.00000 | 72439.8 | 29868.2 | 0.0 | U/P |
| 6.717 | 12.2104 | 0.0000 | 79.167 | 2.32621 | 0.00000 | 72805.7 | 29938.0 | 0.0 | U/P |
| 6.725 | 12.2327 | 0.0000 | 79.174 | 2.32877 | 0.00000 | 73172.4 | 30007.8 | 0.0 | U/P |
| 6.733 | 12.2527 | 0.0000 | 79.182 | 2.33134 | 0.00000 | 73539.7 | 30077.7 | 0.0 | U/P |
| 6.742 | 12.2707 | 0.0000 | 79.189 | 2.33390 | 0.00000 | 73907.5 | 30147.7 | 0.0 | U/P |
| 6.750 | 12.2867 | 0.0000 | 79.196 | 2.33647 | 0.00000 | 74275.9 | 30217.7 | 0.0 | U/P |
| 6.758 | 12.3010 | 0.0000 | 79.204 | 2.33903 | 0.00000 | 74644.7 | 30287.9 | 0.0 | U/P |
| 6.767 | 12.3136 | 0.0000 | 79.211 | 2.34160 | 0.00000 | 75013.9 | 30358.1 | 0.0 | U/P |
| 6.775 | 12.3248 | 0.0000 | 79.218 | 2.34417 | 0.00000 | 75383.5 | 30428.4 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative tnfiow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{in}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 6.783 | 12.3349 | 0.0000 | 79.226 | 2.34673 | 0.00000 | 75753.4 | 30498.7 | 0.0 | U/P |
| 6.792 | 12.3439 | 0.0000 | 79.233 | 2.34930 | 0.00000 | 76123.6 | 30569.2 | 0.0 | U/P |
| 6.800 | 12.3520 | 0.0000 | 79.241 | 2.35186 | 0.00000 | 76494.0 | 30639.7 | 0.0 | U/P |
| 6.808 | 12.3592 | 0.0000 | 79.248 | 2.35443 | 0.00000 | 76864.7 | 30710.3 | 0.0 | U/P |
| 6.817 | 12.3657 | 0.0000 | 79.255 | 2.35699 | 0.00000 | 77235.5 | 30781.0 | 0.0 | U/P |
| 6.825 | 12.3715 | 0.0000 | 79.263 | 2.35955 | 0.00000 | 77606.6 | 30851.7 | 0.0 | U/P |
| 6.833 | 12.3767 | 0.0000 | 79.270 | 2.36211 | 0.00000 | 77977.8 | 30922.5 | 0.0 | U/P |
| 6.842 | 12.3813 | 0.0000 | 79.277 | 2.36466 | 0.00000 | 78349.2 | 30993.4 | 0.0 | U/P |
| 6.850 | 12.3855 | 0.0000 | 79.285 | 2.36721 | 0.00000 | 78720.7 | 31064.4 | 0.0 | U/P |
| 6.858 | 12.3894 | 0.0000 | 79.292 | 2.36977 | 0.00000 | 79092.3 | 31135.5 | 0.0 | U/P |
| 6.867 | 12.3928 | 0.0000 | 79.299 | 2.37231 | 0.00000 | 79464.1 | 31206.6 | 0.0 | U/P |
| 6.875 | 12.3960 | 0.0000 | 79.307 | 2.37486 | 0.00000 | 79835.9 | 31277.8 | 0.0 | U/P |
| 6.883 | 12.3988 | 0.0000 | 79.314 | 2.37740 | 0.00000 | 80207.8 | 31349.1 | 0.0 | U/P |
| 6.892 | 12.4015 | 0.0000 | 79.321 | 2.37995 | 0.00000 | 80579.8 | 31420.4 | 0.0 | U/P |
| 6.900 | 12.4038 | 0.0000 | 79.329 | 2.38248 | 0.00000 | 80951.9 | 31491.9 | 0.0 | U/P |
| 6.908 | 12.4060 | 0.0000 | 79.336 | 2.38502 | 0.00000 | 81324.0 | 31563.4 | 0.0 | U/P |
| 6.917 | 12.4080 | 0.0000 | 79.343 | 2.38755 | 0.00000 | 81696.2 | 31635.0 | 0.0 | U/P |
| 6.925 | 12.4099 | 0.0000 | 79.351 | 2.39008 | 0.00000 | 82068.5 | 31706.6 | 0.0 | U/P |
| 6.933 | 12.4116 | 0.0000 | 79.358 | 2.39261 | 0.00000 | 82440.8 | 31778.4 | 0.0 | U/P |
| 6.942 | 12.4132 | 0.0000 | 79.365 | 2.39513 | 0.00000 | 82813.2 | 31850.2 | 0.0 | U/P |
| 6.950 | 12.4147 | 0.0000 | 79.372 | 2.39765 | 0.00000 | 83185.6 | 31922.1 | 0.0 | U/P |
| 6.958 | 12.4161 | 0.0000 | 79,380 | 2.40017 | 0.00000 | 83558.1 | 31994.1 | 0.0 | U/P |
| 6.967 | 12.4174 | 0.0000 | 79.387 | 2.40269 | 0.00000 | 83930.6 | 32066.1 | 0.0 | U/P |
| 6.975 | 12.4186 | 0.0000 | 79.394 | 2.40520 | 0.00000 | 84303.1 | 32138.2 | 0.0 | U/P |
| 6.983 | 12.4198 | 0.0000 | 79.401 | 2.40771 | 0.00000 | 84675.7 | 32210.4 | 0.0 | U/P |
| 6.992 | 12.4209 | 0.0000 | 79.408 | 2.41022 | 0.00000 | 85048.3 | 32282.7 | 0.0 | U/P |
| 7.000 | 12.4220 | 0.0000 | 79.416 | 2.41272 | 0.00000 | 85421.0 | 32355.0 | 0.0 | U/P |
| 7.008 | 12.4231 | 0.0000 | 79.423 | 2.41522 | 0.00000 | 85793.6 | 32427.5 | 0.0 | U/P |
| 7.017 | 12.4288 | 0.0000 | 79.430 | 2.41772 | 0.00000 | 86166.4 | 32499.9 | 0.0 | U/P |
| 7.025 | 12.4431 | 0.0000 | 79.437 | 2.42022 | 0.00000 | 86539.5 | 32572.5 | 0.0 | U/P |
| 7.033 | 12.4688 | 0.0000 | 79.444 | 2.42271 | 0.00000 | 86913.2 | 32645.2 | 0.0 | U/P |
| 7.042 | 12.5081 | 0.0000 | 79.452 | 2.42521 | 0.00000 | 87287.8 | 32717.9 | 0.0 | U/P |
| 7.050 | 12.5655 | 0.0000 | 79.459 | 2.42772 | 0.00000 | 87663.9 | 32790.7 | 0.0 | U/P |
| 7.058 | 12.6449 | 0.0000 | 79.466 | 2.43024 | 0.00000 | 88042.1 | 32863.5 | 0.0 | U/P |
| 7.067 | 12.7499 | 0.0000 | 79.473 | 2.43277 | 0.00000 | 88423.0 | 32936.5 | 0.0 | U/P |
| 7.075 | 12.8830 | 0.0000 | 79.481 | 2.43533 | 0.00000 | 88807.5 | 33009.5 | 0.0 | U/P |
| 7.083 | 13.0399 | 0.0000 | 79.488 | 2.43792 | 0.00000 | 89196.3 | 33082.6 | 0.0 | U/P |
| 7.092 | 13.2156 | 0.0000 | 79.496 | 2.44054 | 0.00000 | 89590.2 | 33155.8 | 0.0 | U/P |
| 7.100 | 13.4050 | 0.0000 | 79.504 | 2.44321 | 0.00000 | 89989.5 | 33229.0 | 0.0 | U/P |
| 7.108 | 13.6032 | 0.0000 | 79.512 | 2.44591 | 0.00000 | 90394.6 | 33302.4 | 0.0 | U/P |
| 7.117 | 13.8027 | 0.0000 | 79.520 | 2.44866 | 0.00000 | 90805.7 | 33375.8 | 0.0 | U/P |
| 7.125 | 14.0016 | 0.0000 | 79.528 | 2.45145 | 0.00000 | 91222.8 | 33449.3 | 0.0 | U/P |
| 7.133 | 14.1964 | 0.0000 | 79.536 | 2.45429 | 0.00000 | 91645.7 | 33522.9 | 0.0 | U/P |
| 7.142 | 14.3821 | 0.0000 | 79.544 | 2.45718 | 0.00000 | 92074.4 | 33596.6 | 0.0 | U/P |
| 7.150 | 14.5573 | 0.0000 | 79.553 | 2.46010 | 0.00000 | 92508.5 | 33670.3 | 0.0 | U/P |
| 7.158 | 14.7210 | 0.0000 | 79.561 | 2.46307 | 0.00000 | 92947.7 | 33744.2 | 0.0 | U/P |
| 7.167 | 14.8717 | 0.0000 | 79.570 | 2.46606 | 0.00000 | 93391.6 | 33818.1 | 0.0 | U/P |
| 7.175 | 15.0073 | 0.0000 | 79.579 | 2.46910 | 0.00000 | 93839.8 | 33892.1 | 0.0 | U/P |
| 7.183 | 15.1250 | 0.0000 | 79.588 | 2.47216 | 0.00000 | 94291.7 | 33966.2 | 0.0 | U/P |
| 7.192 | 15.2269 | 0.0000 | 79.597 | 2.47524 | 0.00000 | 94747.0 | 34040.5 | 0.0 | U/P |
| 7.200 | 15.3154 | 0.0000 | 79.605 | 2.47834 | 0.00000 | 95205.1 | 34114.8 | 0.0 | U/P |
| 7.208 | 15.3935 | 0.0000 | 79.614 | 2.48146 | 0.00000 | 95665.8 | 34189.2 | 0.0 | U/P |
| 7.217 | 15.4627 | 0.0000 | 79.624 | 2.48460 | 0.00000 | 96128.6 | 34263.6 | 0.0 | U/P |
| 7.225 | 15.5240 | 0.0000 | 79.633 | 2.48775 | 0.00000 | 96593.4 | 34338.2 | 0.0 | U/P |
| 7.233 | 15.5785 | 0.0000 | 79.642 | 2.49091 | 0.00000 | 97060.0 | 34412.9 | 0.0 | U/P |
| 7.242 | 15.6275 | 0.0000 | 79.651 | 2.49407 | 0.00000 | 97528.1 | 34487.7 | 0.0 | U/P |
| 7.250 | 15.6711 | 0.0000 | 79.660 | 2.49725 | 0.00000 | 97997.5 | 34562.6 | 0.0 | U/P |
| 7.258 | 15.7099 | 0.0000 | 79.669 | 2.50043 | 0.00000 | 98468.2 | 34637.5 | 0.0 | U/P |
| 7.267 | 15.7442 | 0.0000 | 79.678 | 2.50361 | 0.00000 | 98940.1 | 34712.6 | 0.0 | U/P |
| 7.275 | 15.7741 | 0.0000 | 79.687 | 2.50680 | 0.00000 | 99412.8 | 34787.7 | 0.0 | U/P |
| 7.283 | 15.8009 | 0.0000 | 79.697 | 2.50999 | 0.00000 | 99886.5 | 34863.0 | 0.0 | U/P |
| 7.292 | 15.8248 | 0.0000 | 79.706 | 2.51318 | 0.00000 | 100360.8 | 34938.3 | 0.0 | U/P |
| 7.300 | 15.8460 | 0.0000 | 79.715 | 2.51637 | 0.00000 | 100835.9 | 35013.8 | 0.0 | U/P |
| 7.308 | 15.8649 | 0.0000 | 79.724 | 2.51956 | 0.00000 | 101311.6 | 35089.3 | 0.0 | U/P |
| 7.317 | 15.8816 | 0.0000 | 79.733 | 2.52276 | 0.00000 | 101787.8 | 35165.0 | 0.0 | U/P |
| 7.325 | 15.8964 | 0.0000 | 79.743 | 2.52595 | 0.00000 | 102264.4 | 35240.7 | 0.0 | U/P |
| 7.333 | 15.9096 | 0.0000 | 79.752 | 2.52914 | 0.00000 | 102741.5 | 35316.5 | 0.0 | U/P |
| 7.342 | 15.9211 | 0.0000 | 79.761 | 2.53233 | 0.00000 | 103219.0 | 35392.4 | 0.0 | U/P |
| 7.350 | 15.9316 | 0.0000 | 79.770 | 2.53551 | 0.00000 | 103696.8 | 35468.4 | 0.0 | U/P |
| 7.358 | 15.9409 | 0.0000 | 79.779 | 2.53870 | 0.00000 | 104174.9 | 35544.6 | 0.0 | U/P |
| 7.367 | 15.9491 | 0.0000 | 79.788 | 2.54188 | 0.00000 | 104653.2 | 35620.8 | 0.0 | U/P |
| 7.375 | 15.9566 | 0.0000 | 79.798 | 2.54506 | 0.00000 | 105131.8 | 35697.1 | 0.0 | U/P |
| 7.383 | 15.9632 | 0.0000 | 79.807 | 2.54823 | 0.00000 | 105610.6 | 35773.5 | 0.0 | U/P |
| 7.392 | 15.9692 | 0.0000 | 79.816 | 2.55141 | 0.00000 | 106089.6 | 35850.0 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate (fis/s) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overlow Discharge (fi3/s) | Cumułative Inflow Volume (fis) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 7.400 | 15.9745 | 0.0000 | 79.825 | 2.55458 | 0.00000 | 106568.7 | 35926.6 | 0.0 | U/P |
| 7.408 | 15.9937 | 0.0000 | 79.834 | 2.55774 | 0.00000 | 107048.3 | 36003.2 | 0.0 | U/P |
| 7.417 | 16.1312 | 0.0000 | 79.843 | 2.56092 | 0.00000 | 107530.1 | 36080.0 | 0.0 | U/P |
| 7.425 | 16.3362 | 0.0000 | 79.853 | 2.56412 | 0.00000 | 108017.1 | 36156.9 | 0.0 | U/P |
| 7.433 | 16.5849 | 0.0000 | 79.862 | 2.56736 | 0.00000 | 108511.0 | 36233.9 | 0.0 | U/P |
| 7.442 | 16.8651 | 0.0000 | 79.871 | 2.57065 | 0.00000 | 109012.7 | 36310.9 | 0.0 | U/P |
| 7.450 | 17.1684 | 0.0000 | 79.881 | 2.57400 | 0.00000 | 109523.2 | 36388.1 | 0.0 | U/P |
| 7.458 | 17.4885 | 0.0000 | 79.891 | 2.57742 | 0.00000 | 110043.1 | 36465.4 | 0.0 | U/P |
| 7.467 | 17.8202 | 0.0000 | 79.901 | 2.58091 | 0.00000 | 110572.7 | 36542.8 | 0.0 | U/P |
| 7.475 | 18.1594 | 0.0000 | 79.912 | 2.58447 | 0.00000 | 111112.4 | 36620.2 | 0.0 | U/P |
| 7.483 | 18.5026 | 0.0000 | 79.922 | 2.58810 | 0.00000 | 111662.3 | 36697.8 | 0.0 | U/P |
| 7.492 | 18.8467 | 0.0000 | 79.933 | 2.59180 | 0.00000 | 112222.6 | 36775.5 | 0.0 | U/P |
| 7.500 | 19.1895 | 0.0000 | 79.944 | 2.59558 | 0.00000 | 112793.1 | 36853.3 | 0.0 | U/P |
| 7.508 | 19.5287 | 0.0000 | 79.955 | 2.59944 | 0.00000 | 113373.9 | 36931.3 | 0.0 | U/P |
| 7.517 | 19.8659 | 0.0000 | 79.967 | 2.60336 | 0.00000 | 113964.8 | 37009.3 | 0.0 | U/P |
| 7.525 | 20.2049 | 0.0000 | 79.978 | 2.60736 | 0.00000 | 114565.9 | 37087.5 | 0.0 | U/P |
| 7.533 | 20.5492 | 0.0000 | 79.990 | 2.61143 | 0.00000 | 115177.2 | 37165.7 | 0.0 | U/P |
| 7.542 | 20.9013 | 0.0000 | 80.002 | 2.61557 | 0.00000 | 115798.9 | 37244.1 | 0.0 | U/P |
| 7.550 | 21.2652 | 0.0000 | 80.014 | 2.61981 | 0.00000 | 116431.4 | 37322.7 | 0.0 | U/P |
| 7.558 | 21.6463 | 0.0000 | 80.027 | 2.62414 | 0.00000 | 117075.1 | 37401.3 | 0.0 | U/P |
| 7.567 | 22.0498 | 0.0000 | 80.039 | 2.62855 | 0.00000 | 117730.5 | 37480.1 | 0.0 | U/P |
| 7.575 | 22.4807 | 0.0000 | 80.052 | 2.63305 | 0.00000 | 118398.5 | 37559.0 | 0.0 | U/P |
| 7.583 | 22.9384 | 0.0000 | 80.066 | 2.63764 | 0.00000 | 119079.8 | 37638.1 | 0.0 | U/P |
| 7.592 | 23.4182 | 0.0000 | 80.079 | 2.64232 | 0.00000 | 119775.1 | 37717.3 | 0.0 | U/P |
| 7.600 | 23.9148 | 0.0000 | 80.093 | 2.64711 | 0.00000 | 120485.1 | 37796.6 | 0.0 | U/P |
| 7.608 | 24.4226 | 0.0000 | 80.107 | 2.65200 | 0.00000 | 121210.2 | 37876.1 | 0.0 | U/P |
| 7.617 | 24.9344 | 0.0000 | 80.121 | 2.65699 | 0.00000 | 121950.5 | 37955.8 | 0.0 | U/P |
| 7.625 | 25.4446 | 0.0000 | 80.136 | 2.66209 | 0.00000 | 122706.2 | 38035.5 | 0.0 | U/P |
| 7.633 | 25.9498 | 0.0000 | 80.151 | 2.66730 | 0.00000 | 123477.1 | 38115.5 | 0.0 | U/P |
| 7.642 | 26.4444 | 0.0000 | 80.166 | 2.67261 | 0.00000 | 124263.0 | 38195.6 | 0.0 | U/P |
| 7.650 | 26.9242 | 0.0000 | 80.182 | 2.67802 | 0.00000 | 125063.6 | 38275.8 | 0.0 | U/P |
| 7.658 | 27.3871 | 0.0000 | 80.198 | 2.68353 | 0.00000 | 125878.2 | 38356.3 | 0.0 | U/P |
| 7.667 | 27.8311 | 0.0000 | 80.214 | 2.68913 | 0.00000 | 126706.5 | 38436.9 | 0.0 | U/P |
| 7.675 | 28.2532 | 0.0000 | 80.230 | 2.69482 | 0.00000 | 127547.8 | 38517.6 | 0.0 | U/P |
| 7.683 | 28.6496 | 0.0000 | 80.247 | 2.70058 | 0.00000 | 128401.3 | 38598.5 | 0.0 | U/P |
| 7.692 | 29.0194 | 0.0000 | 80.263 | 2.70643 | 0.00000 | 129266.4 | 38679.6 | 0.0 | U/P |
| 7.700 | 29.3645 | 0.0000 | 80.280 | 2.71234 | 0.00000 | 130142.1 | 38760.9 | 0.0 | U/P |
| 7.708 | 29.6878 | 0.0000 | 80.298 | 2.71832 | 0.00000 | 131027.9 | 38842.4 | 0.0 | U/P |
| 7.717 | 29.9915 | 0.0000 | 80.315 | 2.72435 | 0.00000 | 131923.1 | 38924.0 | 0.0 | U/P |
| 7.725 | 30.2771 | 0.0000 | 80.332 | 2.73044 | 0.00000 | 132827.1 | 39005.8 | 0.0 | U/P |
| 7.733 | 30.5455 | 0.0000 | 80.350 | 2.73658 | 0.00000 | 133739.5 | 39087.9 | 0.0 | U/P |
| 7.742 | 30.7984 | 0.0000 | 80.367 | 2.74276 | 0.00000 | 134659.6 | 39170.0 | 0.0 | U/P |
| 7.750 | 31.0365 | 0.0000 | 80.385 | 2.74898 | 0.00000 | 135587.1 | 39252.4 | 0.0 | U/P |
| 7.758 | 31.2603 | 0.0000 | 80.403 | 2.75524 | 0.00000 | 136521.6 | 39335.0 | 0.0 | U/P |
| 7.767 | 31.4705 | 0.0000 | 80.421 | 2.76153 | 0.00000 | 137462.5 | 39417.7 | 0.0 | U/P |
| 7.775 | 31.6674 | 0.0000 | 80.439 | 2.76786 | 0.00000 | 138409.6 | 39500.7 | 0.0 | U/P |
| 7.783 | 31.8521 | 0.0000 | 80.457 | 2.77421 | 0.00000 | 139362.4 | 39583.8 | 0.0 | U/P |
| 7.792 | 32.0257 | 0.0000 | 80.476 | 2.78058 | 0.00000 | 140320.6 | 39667.1 | 0.0 | U/P |
| 7.800 | 32.1884 | 0.0000 | 80.494 | 2.78698 | 0.00000 | 141283.8 | 39750.6 | 0.0 | U/P |
| 7.808 | 32.3412 | 0.0000 | 80.512 | 2.79340 | 0.00000 | 142251.7 | 39834.3 | 0.0 | U/P |
| 7.817 | 32.4844 | 0.0000 | 80.530 | 2.79983 | 0.00000 | 143224.1 | 39918.2 | 0.0 | U/P |
| 7.825 | 32.6185 | 0.0000 | 80.549 | 2.80628 | 0.00000 | 144200.7 | 40002.3 | 0.0 | U/P |
| 7.833 | 32.7443 | 0.0000 | 80.567 | 2.81275 | 0.00000 | 145181.1 | 40086.6 | 0.0 | U/P |
| 7.842 | 32.8620 | 0.0000 | 80.586 | 2.81922 | 0.00000 | 146165.2 | 40171.1 | 0.0 | U/P |
| 7.850 | 32.9722 | 0.0000 | 80.604 | 2.82570 | 0.00000 | 147152.7 | 40255.8 | 0.0 | U/P |
| 7.858 | 33.0756 | 0.0000 | 80.623 | 2.83219 | 0.00000 | 148143.4 | 40340.6 | 0.0 | U/P |
| 7.867 | 33.1724 | 0.0000 | 80.641 | 2.83869 | 0.00000 | 149137.1 | 40425.7 | 0.0 | U/P |
| 7.875 | 33.2630 | 0.0000 | 80.660 | 2.84519 | 0.00000 | 150133.7 | 40511.0 | 0.0 | U/P |
| 7.883 | 33.3479 | 0.0000 | 80.678 | 2.85169 | 0.00000 | 151132.8 | 40596.4 | 0.0 | U/P |
| 7.892 | 33.4274 | 0.0000 | 80.697 | 2.85820 | 0.00000 | 152134.5 | 40682.1 | 0.0 | U/P |
| 7.900 | 33.5017 | 0.0000 | 80.715 | 2.86470 | 0.00000 | 153138.4 | 40767.9 | 0.0 | U/P |
| 7.908 | 33.5713 | 0.0000 | 80.734 | 2.87121 | 0.00000 | 154144.5 | 40853.9 | 0.0 | U/P |
| 7.917 | 33.6365 | 0.0000 | 80.753 | 2.87771 | 0.00000 | 155152.6 | 40940.2 | 0.0 | U/P |
| 7.925 | 33.6974 | 0.0000 | 80.771 | 2.88421 | 0.00000 | 156162.6 | 41026.6 | 0.0 | U/P |
| 7.933 | 33.7544 | 0.0000 | 80.790 | 2.89071 | 0.00000 | 157174.4 | 41113.2 | 0.0 | U/P |
| 7.942 | 33.8077 | 0.0000 | 80.808 | 2.89721 | 0.00000 | 158187.8 | 41200.1 | 0.0 | U/P |
| 7.950 | 33.8575 | 0.0000 | 80.827 | 2.90370 | 0.00000 | 159202.8 | 41287.1 | 0.0 | U/P |
| 7.958 | 33.9042 | 0.0000 | 80.845 | 2.91018 | 0.00000 | 160219.2 | 41374.3 | 0.0 | U/P |
| 7.967 | 33.9480 | 0.0000 | 80.864 | 2.91666 | 0.00000 | 161237.0 | 41461.7 | 0.0 | U/P |
| 7.975 | 33.9889 | 0.0000 | 80.882 | 2.92314 | 0.00000 | 162256.1 | 41549.3 | 0.0 | U/P |
| 7.983 | 34.0272 | 0.0000 | 80.900 | 2.92960 | 0.00000 | 163276.3 | 41637.1 | 0.0 | U/P |
| 7.992 | 34.0631 | 0.0000 | 80.919 | 2.93606 | 0.00000 | 164297.7 | 41725.1 | 0.0 | U/P |
| 8.000 | 34.1018 | 0.0000 | 80.937 | 2.94251 | 0.00000 | 165320.1 | 41813.2 | 0.0 | U/P |
| 8.008 | 34.1484 | 0.0000 | 80.956 | 2.94895 | 0.00000 | 166343.9 | 41901.6 | 0.0 | U/P |

# PONDS Version 3.2.0207 <br> Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E. 

Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | inflow Rate <br> ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (fiday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 8.017 | 34.2073 | 0.0000 | 80.974 | 2.95539 | 0.00000 | 167369.2 | 41990.2 | 0.0 | U/P |
| 8.025 | 34.2817 | 0.0000 | 80.992 | 2.96182 | 0.00000 | 168396.6 | 42078.9 | 0.0 | U/P |
| 8.033 | 34.3775 | 0.0000 | 81.011 | 2.96828 | 0.00000 | 169426.5 | 42167.9 | 0.0 | U/P |
| 8.042 | 34.5005 | 0.0000 | 81.029 | 2.97476 | 0.00000 | 170459.6 | 42257.0 | 0.0 | U/P |
| 8.050 | 34.6562 | 0.0000 | 81.047 | 2.98127 | 0.00000 | 171497.0 | 42346.4 | 0.0 | U/P |
| 8.058 | 34.8494 | 0.0000 | 81.066 | 2.98780 | 0.00000 | 172539.5 | 42435.9 | 0.0 | U/P |
| 8.067 | 35.0766 | 0.0000 | 81.084 | 2.99435 | 0.00000 | 173588.4 | 42525.6 | 0.0 | U/P |
| 8.075 | 35.3328 | 0.0000 | 81.103 | 3.00093 | 0.00000 | 174644.6 | 42615.6 | 0.0 | U/P |
| 8.083 | 35.6129 | 0.0000 | 81.122 | 3.00755 | 0.00000 | 175708.8 | 42705.7 | 0.0 | U/P |
| 8.092 | 35.9114 | 0.0000 | 81.141 | 3.01421 | 0.00000 | 176781.6 | 42796.0 | 0.0 | U/P |
| 8.100 | 36.2193 | 0.0000 | 81.160 | 3.02091 | 0.00000 | 177863.6 | 42886.5 | 0.0 | U/P |
| 8.108 | 36.5338 | 0.0000 | 81.179 | 3.02766 | 0.00000 | 178954.9 | 42977.3 | 0.0 | U/P |
| 8.117 | 36.8501 | 0.0000 | 81.198 | 3.03445 | 0.00000 | 180055.6 | 43068.2 | 0.0 | U/P |
| 8.125 | 37.1618 | 0.0000 | 81.217 | 3.04130 | 0.00000 | 181165.8 | 43159.3 | 0.0 | U/P |
| 8.133 | 37.4661 | 0.0000 | 81.237 | 3.04819 | 0.00000 | 182285.3 | 43250.7 | 0.0 | U/P |
| 8.142 | 37.7607 | 0.0000 | 81.257 | 3.05512 | 0.00000 | 183413.6 | 43342.2 | 0.0 | U/P |
| 8.150 | 38.0430 | 0.0000 | 81.276 | 3.06209 | 0.00000 | 184550.7 | 43434.0 | 0.0 | U/P |
| 8.158 | 38.3097 | 0.0000 | 81.296 | 3.06911 | 0.00000 | 185696.0 | 43526.0 | 0.0 | U/P |
| 8.167 | 38.5562 | 0.0000 | 81.316 | 3.07616 | 0.00000 | 186849.0 | 43618.1 | 0.0 | U/P |
| 8.175 | 38.7835 | 0.0000 | 81.336 | 3.08324 | 0.00000 | 188009.1 | 43710.5 | 0.0 | U/P |
| 8.183 | 38.9936 | 0.0000 | 81.356 | 3.09035 | 0.00000 | 189175.7 | 43803.1 | 0.0 | U/P |
| 8.192 | 39.1894 | 0.0000 | 81.376 | 3.09748 | 0.00000 | 190348.5 | 43895.9 | 0.0 | U/P |
| 8.200 | 39.3721 | 0.0000 | 81.397 | 3.10464 | 0.00000 | 191526.9 | 43989.0 | 0.0 | U/P |
| 8.208 | 39.5427 | 0.0000 | 81.417 | 3.11181 | 0.00000 | 192710.6 | 44082.2 | 0.0 | U/P |
| 8.217 | 39.7022 | 0.0000 | 81.437 | 3.11900 | 0.00000 | 193899.3 | 44175.7 | 0.0 | U/P |
| 8.225 | 39.8520 | 0.0000 | 81.458 | 3.12620 | 0.00000 | 195092.6 | 44269.4 | 0.0 | U/P |
| 8.233 | 39.9919 | 0.0000 | 81.478 | 3.13341 | 0.00000 | 196290.3 | 44363.3 | 0.0 | U/P |
| 8.242 | 40.1228 | 0.0000 | 81.498 | 3.14064 | 0.00000 | 197492.0 | 44457.4 | 0.0 | U/P |
| 8.250 | 40.2447 | 0.0000 | 81.519 | 3.14787 | 0.00000 | 198697.5 | 44551.7 | 0.0 | U/P |
| 8.258 | 40.3579 | 0.0000 | 81.539 | 3.15510 | 0.00000 | 199906.5 | 44646.2 | 0.0 | U/P |
| 8.267 | 40.4638 | 0.0000 | 81.560 | 3.16234 | 0.00000 | 201118.9 | 44741.0 | 0.0 | U/P |
| 8.275 | 40.5627 | 0.0000 | 81.580 | 3.16959 | 0.00000 | 202334.3 | 44836.0 | 0.0 | U/P |
| 8.283 | 40.6549 | 0.0000 | 81.601 | 3.17683 | 0.00000 | 203552.5 | 44931.2 | 0.0 | U/P |
| 8.292 | 40.7410 | 0.0000 | 81.621 | 3.18407 | 0.00000 | 204773.5 | 45026.6 | 0.0 | U/P |
| 8.300 | 40.8211 | 0.0000 | 81.642 | 3.19132 | 0.00000 | 205996.9 | 45122.2 | 0.0 | U/P |
| 8.308 | 40.8959 | 0.0000 | 81.662 | 3.19856 | 0.00000 | 207222.6 | 45218.1 | 0.0 | U/P |
| 8.317 | 40.9655 | 0.0000 | 81.682 | 3.20579 | 0.00000 | 208450.6 | 45314.1 | 0.0 | U/P |
| 8.325 | 41.0302 | 0.0000 | 81.703 | 3.21303 | 0.00000 | 209680.5 | 45410.4 | 0.0 | U/P |
| 8.333 | 41.0907 | 0.0000 | 81.723 | 3.22025 | 0.00000 | 210912.3 | 45506.9 | 0.0 | U/P |
| 8.342 | 41.1471 | 0.0000 | 81.744 | 3.22748 | 0.00000 | 212145.9 | 45603.6 | 0.0 | U/P |
| 8.350 | 41.1996 | 0.0000 | 81.764 | 3.23469 | 0.00000 | 213381.1 | 45700.6 | 0.0 | U/P |
| 8.358 | 41.2486 | 0.0000 | 81.784 | 3.24190 | 0.00000 | 214617.8 | 45797.7 | 0.0 | U/P |
| 8.367 | 41.2942 | 0.0000 | 81.805 | 3.24910 | 0.00000 | 215855.9 | 45895.1 | 0.0 | U/P |
| 8.375 | 41.3367 | 0.0000 | 81.825 | 3.25629 | 0.00000 | 217095.4 | 45992.7 | 0.0 | U/P |
| 8.383 | 41.3764 | 0.0000 | 81.845 | 3.26347 | 0.00000 | 218336.1 | 46090.5 | 0.0 | U/P |
| 8.392 | 41.4132 | 0.0000 | 81.865 | 3.27064 | 0.00000 | 219578.0 | 46188.5 | 0.0 | U/P |
| 8.400 | 41.4476 | 0.0000 | 81.886 | 3.27780 | 0.00000 | 220820.9 | 46286.7 | 0.0 | U/P |
| 8.408 | 41.4797 | 0.0000 | 81.906 | 3.28495 | 0.00000 | 222064.8 | 46385.1 | 0.0 | U/P |
| 8.417 | 41.5095 | 0.0000 | 81.926 | 3.29209 | 0.00000 | 223309.6 | 46483.8 | 0.0 | U/P |
| 8.425 | 41.5373 | 0.0000 | 81.946 | 3.29922 | 0.00000 | 224555.3 | 46582.7 | 0.0 | U/P |
| 8.433 | 41.5631 | 0.0000 | 81.966 | 3.30634 | 0.00000 | 225801.8 | 46681.7 | 0.0 | U/P |
| 8.442 | 41.5873 | 0.0000 | 81.986 | 3.31345 | 0.00000 | 227049.1 | 46781.0 | 0.0 | U/P |
| 8.450 | 41.6099 | 0.0000 | 82.006 | 3.32055 | 0.00000 | 228297.0 | 46880.5 | 0.0 | U/P |
| 8.458 | 41.6310 | 0.0000 | 82.026 | 3.32768 | 0.00000 | 229545.6 | 46980.3 | 0.0 | U/P |
| 8.467 | 41.6507 | 0.0000 | 82.046 | 3,33481 | 0.00000 | 230794.9 | 47080.2 | 0.0 | U/P |
| 8.475 | 41.6690 | 0.0000 | 82.066 | 3.34193 | 0.00000 | 232044.7 | 47180.4 | 0.0 | U/P |
| 8.483 | 41.6860 | 0.0000 | 82.086 | 3.34904 | 0.00000 | 233295.0 | 47280.7 | 0.0 | U/P |
| 8.492 | 41.7018 | 0.0000 | 82.106 | 3.35614 | 0.00000 | 234545.8 | 47381.3 | 0.0 | U/P |
| 8.500 | 41.7165 | 0.0000 | 82.126 | 3.36322 | 0.00000 | 235797.1 | 47482.1 | 0.0 | U/P |
| 8.508 | 41.7302 | 0.0000 | 82.145 | 3.37029 | 0.00000 | 237048.8 | 47583.1 | 0.0 | U/P |
| 8.517 | 41.7428 | 0.0000 | 82.165 | 3.37735 | 0.00000 | 238300.9 | 47684.3 | 0.0 | U/P |
| 8.525 | 41.7545 | 0.0000 | 82.185 | 3.38439 | 0.00000 | 239553.3 | 47785.7 | 0.0 | U/P |
| 8.533 | 41.7652 | 0.0000 | 82.204 | 3.39142 | 0.00000 | 240806.1 | 47887.4 | 0.0 | U/P |
| 8.542 | 41.7751 | 0.0000 | 82.224 | 3.39843 | 0.00000 | 242059.2 | 47989.2 | 0.0 | U/P |
| 8.550 | 41.7842 | 0.0000 | 82.244 | 3.40544 | 0.00000 | 243312.6 | 48091.3 | 0.0 | U/P |
| 8.558 | 41.7927 | 0.0000 | 82.263 | 3.41242 | 0.00000 | 244560.3 | 48193.5 | 0.0 | U/P |
| 8.567 | 41.8006 | 0.0000 | 82.283 | 3.41940 | 0.00000 | 245820.2 | 48296.0 | 0.0 | U/P |
| 8.575 | 41.8079 | 0.0000 | 82.302 | 3.42635 | 0.00000 | 247074.3 | 48398.7 | 0.0 | U/P |
| 8.583 | 41.8148 | 0.0000 | 82.321 | 3.43330 | 0.00000 | 248328.6 | 48501.6 | 0.0 | U/P |
| 8.592 | 41.8212 | 0.0000 | 82.341 | 3.44023 | 0.00000 | 249583.2 | 48604.7 | 0.0 | U/P |
| 8.600 | 41.8272 | 0.0000 | 82.360 | 3.44715 | 0.00000 | 250837.9 | 48708.0 | 0.0 | U/P |
| 8.608 | 41.8328 | 0.0000 | 82.379 | 3.45405 | 0.00000 | 252092.8 | 48811.5 | 0.0 | U/P |
| 8.617 | 41.8380 | 0.0000 | 82.399 | 3.46094 | 0.00000 | 253347.9 | 48915.3 | 0.0 | U/P |
| 8.625 | 41.8429 | 0.0000 | 82.418 | 3.46781 | 0.00000 | 254603.1 | 49019.2 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond 9100 year $/ 24$ hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate (ft ${ }^{3} / \mathrm{s}$ ) | Overfiow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative <br> Discharge <br> Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 8.633 | 41.8474 | 0.0000 | 82.437 | 3.47467 | 0.00000 | 255858.4 | 49123.3 | 0.0 | U/P |
| 8.642 | 41.8517 | 0.0000 | 82.456 | 3.48152 | 0.00000 | 257113.9 | 49227.7 | 0.0 | U/P |
| 8.650 | 41.8556 | 0.0000 | 82.475 | 3.48835 | 0.00000 | 258369.5 | 49332.2 | 0.0 | U/P |
| 8.658 | 41.8594 | 0.0000 | 82.494 | 3.49517 | 0.00000 | 259625.3 | 49437.0 | 0.0 | U/P |
| 8.667 | 41.8629 | 0.0000 | 82.513 | 3.50198 | 0.00000 | 260881.1 | 49541.9 | 0.0 | U/P |
| 8.675 | 41.8661 | 0.0000 | 82.532 | 3.50877 | 0.00000 | 262137.0 | 49647.1 | 0.0 | U/P |
| 8.683 | 41.8692 | 0.0000 | 82.551 | 3.51555 | 0.00000 | 263393.1 | 49752.5 | 0.0 | U/P |
| 8.692 | 41.8720 | 0.0000 | 82.570 | 3.52231 | 0.00000 | 264649.2 | 49858.0 | 0.0 | U/P |
| 8.700 | 41.8747 | 0.0000 | 82.589 | 3.52906 | 0.00000 | 265905.4 | 49963.8 | 0.0 | U/P |
| 8.708 | 41.8773 | 0.0000 | 82.608 | 3.53580 | 0.00000 | 267161.7 | 50069.8 | 0.0 | U/P |
| 8.717 | 41.8796 | 0.0000 | 82.627 | 3.54252 | 0.00000 | 268418.0 | 50175.9 | 0.0 | U/P |
| 8.725 | 41.8819 | 0.0000 | 82.645 | 3.54923 | 0.00000 | 269674.4 | 50282.3 | 0.0 | U/P |
| 8.733 | 41.8840 | 0.0000 | 82.664 | 3.55593 | 0.00000 | 270930.9 | 50388.9 | 0.0 | U/P |
| 8.742 | 41.8858 | 0.0000 | 82.683 | 3.56261 | 0.00000 | 272187.5 | 50495.7 | 0.0 | U/P |
| 8.750 | 41.8878 | 0.0000 | 82.701 | 3.56928 | 0.00000 | 273444.1 | 50602.7 | 0.0 | U/P |
| 8.758 | 41.8895 | 0.0000 | 82.720 | 3.57594 | 0.00000 | 274700.7 | 50709.8 | 0.0 | U/P |
| 8.767 | 41.8912 | 0.0000 | 82.739 | 3.58258 | 0.00000 | 275957.4 | 50817.2 | 0.0 | U/P |
| 8.775 | 41.8927 | 0.0000 | 82.757 | 3.58921 | 0.00000 | 277214.2 | 50924.8 | 0.0 | U/P |
| 8.783 | 41.8942 | 0.0000 | 82.776 | 3.59583 | 0.00000 | 278471.0 | 51032.6 | 0.0 | U/P |
| 8.792 | 41.8956 | 0.0000 | 82.794 | 3.60243 | 0.00000 | 279727.8 | 51140.5 | 0.0 | U/P |
| 8.800 | 41.8969 | 0.0000 | 82.812 | 3.60902 | 0.00000 | 280984.7 | 51248.7 | 0.0 | U/P |
| 8.808 | 41.8981 | 0.0000 | 82.831 | 3.61560 | 0.00000 | 282241.7 | 51357.1 | 0.0 | U/P |
| 8.817 | 41.8993 | 0.0000 | 82.849 | 3.62216 | 0.00000 | 283498.6 | 51465.6 | 0.0 | U/P |
| 8.825 | 41.9004 | 0.0000 | 82.868 | 3.62872 | 0.00000 | 284755.6 | 51574.4 | 0.0 | U/P |
| 8.833 | 41.9015 | 0.0000 | 82.886 | 3.63526 | 0.00000 | 286012.7 | 51683.4 | 0.0 | U/P |
| 8.842 | 41.9025 | 0.0000 | 82.904 | 3.64178 | 0.00000 | 287269.7 | 51792.5 | 0.0 | U/P |
| 8.850 | 41.9035 | 0.0000 | 82.922 | 3.64830 | 0,00000 | 288526.8 | 51901.9 | 0.0 | U/P |
| 8.858 | 41.9044 | 0.0000 | 82.940 | 3.65480 | 0.00000 | 289783.9 | 52011.4 | 0.0 | U/P |
| 8.867 | 41.9052 | 0.0000 | 82.959 | 3.66129 | 0.00000 | 291041.1 | 52121.2 | 0.0 | U/P |
| 8.875 | 41.9061 | 0.0000 | 82.977 | 3.66776 | 0.00000 | 292298.2 | 52231.1 | 0.0 | U/P |
| 8.883 | 41.9069 | 0.0000 | 82.995 | 3.67423 | 0.00000 | 293555.4 | 52341.2 | 0.0 | U/P |
| 8.892 | 41.9076 | 0.0000 | 83.013 | 3.68070 | 0.00000 | 294812.6 | 52451.6 | 0.0 | U/P |
| 8.900 | 41.9083 | 0.0000 | 83.031 | 3.68719 | 0.00000 | 296069.9 | 52562.1 | 0.0 | U/P |
| 8.908 | 41.9090 | 0.0000 | 83.049 | 3.69368 | 0.00000 | 297327.1 | 52672.8 | 0.0 | U/P |
| 8.917 | 41.9097 | 0.0000 | 83.067 | 3.70015 | 0.00000 | 298584.4 | 52783.7 | 0.0 | U/P |
| 8.925 | 41.9103 | 0.0000 | 83.085 | 3.70662 | 0.00000 | 299841.7 | 52894.8 | 0.0 | U/P |
| 8.933 | 41.9109 | 0.0000 | 83.102 | 3.71307 | 0.00000 | 301099.0 | 53006.1 | 0.0 | U/P |
| 8.942 | 41.9115 | 0.0000 | 83.120 | 3.71950 | 0.00000 | 302356.4 | 53117.6 | 0.0 | U/P |
| 8.950 | 41.9121 | 0.0000 | 83.138 | 3.72593 | 0.00000 | 303613.7 | 53229.3 | 0.0 | U/P |
| 8.958 | 41.9126 | 0.0000 | 83.156 | 3.73234 | 0.00000 | 304871.1 | 53341.1 | 0.0 | U/P |
| 8.967 | 41.9132 | 0.0000 | 83.174 | 3.73874 | 0.00000 | 306128.5 | 53453.2 | 0.0 | U/P |
| 8.975 | 41.9137 | 0.0000 | 83.191 | 3.74513 | 0.00000 | 307385.9 | 53565.5 | 0.0 | U/P |
| 8.983 | 41.9142 | 0.0000 | 83.209 | 3.75151 | 0.00000 | 308643.3 | 53677.9 | 0.0 | U/P |
| 8.992 | 41.9146 | 0.0000 | 83.227 | 3.75788 | 0.00000 | 309900.7 | 53790.5 | 0.0 | U/P |
| 9.000 | 41.915 | 0.0000 | 83.244 | 3.76423 | 0.00000 | 311158.2 | 53903.4 | 0.0 | U/P |
| 9.008 | 41.9060 | 0.0000 | 83.262 | 3.77057 | 0.00000 | 312415.5 | 54016.4 | 0.0 | U/P |
| 9.017 | 41.8783 | 0.0000 | 83.279 | 3.77690 | 0.00000 | 313672.3 | 54129.6 | 0.0 | U/P |
| 9.025 | 41.8249 | 0.0000 | 83.297 | 3.78321 | 0.00000 | 314927.8 | 54243.0 | 0.0 | U/P |
| 9.033 | 41.7403 | 0.0000 | 83.314 | 3.78951 | 0.00000 | 316181.3 | 54356.6 | 0.0 | U/P |
| 9.042 | 41.6137 | 0.0000 | 83.331 | 3.79577 | 0.00000 | 317431.6 | 54470.4 | 0.0 | U/P |
| 9.050 | 41.4350 | 0.0000 | 83.349 | 3.80200 | 0.00000 | 318677.3 | 54584.4 | 0.0 | U/P |
| 9.058 | 41.1947 | 0.0000 | 83.366 | 3.80820 | 0.00000 | 319916.8 | 54698.5 | 0.0 | U/P |
| 9.067 | 40.8843 | 0.0000 | 83.383 | 3.81434 | 0.00000 | 321148.0 | 54812.8 | 0.0 | U/P |
| 9.075 | 40.5109 | 0.0000 | 83.399 | 3.82042 | 0.00000 | 322368.9 | 54927.4 | 0.0 | U/P |
| 9.083 | 40.0836 | 0.0000 | 83.416 | 3.82643 | 0.00000 | 323577.8 | 55042.1 | 0.0 | U/P |
| 9.092 | 39.6118 | 0.0000 | 83.432 | 3.83235 | 0.00000 | 324773.2 | 55157.0 | 0.0 | U/P |
| 9.100 | 39.1058 | 0.0000 | 83.448 | 3.83820 | 0.00000 | 325954.0 | 55272.0 | 0.0 | U/P |
| 9.108 | 38.5817 | 0.0000 | 83.464 | 3.84395 | 0.00000 | 327119.3 | 55387.2 | 0.0 | U/P |
| 9.117 | 38.0447 | 0.0000 | 83.480 | 3.84960 | 0.00000 | 328268.7 | 55502.6 | 0.0 | U/P |
| 9.125 | 37.5033 | 0.0000 | 83.495 | 3.85516 | 0.00000 | 329401.9 | 55618.2 | 0.0 | U/P |
| 9.133 | 36.9696 | 0.0000 | 83.510 | 3.86062 | 0.00000 | 330519.0 | 55734.0 | 0.0 | U/P |
| 9.142 | 36.4487 | 0.0000 | 83.525 | 3.86599 | 0.00000 | 331620.3 | 55849.9 | 0.0 | U/P |
| 9.150 | 35.9444 | 0.0000 | 83.539 | 3.87127 | 0.00000 | 332706.2 | 55965.9 | 0.0 | U/P |
| 9.158 | 35.4618 | 0.0000 | 83.554 | 3.87645 | 0.00000 | 333777.3 | 56082.1 | 0.0 | U/P |
| 9.167 | 35.0069 | 0.0000 | 83.568 | 3.88155 | 0.00000 | 334834.3 | 56198.5 | 0.0 | U/P |
| 9.175 | 34.5880 | 0.0000 | 83.581 | 3.88658 | 0.00000 | 335878.2 | 56315.0 | 0.0 | U/P |
| 9.183 | 34.2030 | 0.0000 | 83.595 | 3.89152 | 0.00000 | 336910.1 | 56431.7 | 0.0 | U/P |
| 9.192 | 33.8481 | 0.0000 | 83.608 | 3.89640 | 0.00000 | 337930.8 | 56548.5 | 0.0 | U/P |
| 9.200 | 33.5183 | 0.0000 | 83.622 | 3.90121 | 0.00000 | 338941.3 | 56665.5 | 0.0 | U/P |
| 9.208 | 33.2112 | 0.0000 | 83.635 | 3.90596 | 0.00000 | 339942.3 | 56782.6 | 0.0 | U/P |
| 9.217 | 32.9255 | 0.0000 | 83.648 | 3.91066 | 0.00000 | 340934.3 | 56899.8 | 0.0 | U/P |
| 9.225 | 32.6591 | 0.0000 | 83.660 | 3.91531 | 0.00000 | 341918.1 | 57017.2 | 0.0 | U/P |
| 9.233 | 32.4095 | 0.0000 | 83.673 | 3.91990 | 0.00000 | 342894.2 | 57134.8 | 0.0 | U/P |
| 9.242 | 32.1769 | 0.0000 | 83.686 | 3.92445 | 0.00000 | 343862.9 | 57252.4 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}{ }^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 /} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 9.250 | 31.9599 | 0.0000 | 83.698 | 3.92896 | 0.00000 | 344825.0 | 57370.2 | 0.0 | U/P |
| 9.258 | 31.7581 | 0.0000 | 83.710 | 3.93343 | 0.00000 | 345780.8 | 57488.2 | 0.0 | U/P |
| 9.267 | 31.5714 | 0.0000 | 83.723 | 3.93785 | 0.00000 | 346730.7 | 57606.2 | 0.0 | U/P |
| 9.275 | 31.3968 | 0.0000 | 83.735 | 3.94225 | 0.00000 | 347675.2 | 57724.4 | 0.0 | U/P |
| 9.283 | 31.2341 | 0.0000 | 83.747 | 3.94661 | 0.00000 | 348614.7 | 57842.8 | 0.0 | U/P |
| 9.292 | 31.0826 | 0.0000 | 83.759 | 3.95094 | 0.00000 | 349549.4 | 57961.2 | 0.0 | U/P |
| 9.300 | 30.9412 | 0.0000 | 83.771 | 3.95524 | 0.00000 | 350479.8 | 58079.8 | 0.0 | U/P |
| 9.308 | 30.8098 | 0.0000 | 83.782 | 3.95951 | 0.00000 | 351406.1 | 58198.5 | 0.0 | U/P |
| 9.317 | 30.6873 | 0.0000 | 83.794 | 3,96375 | 0.00000 | 352328.5 | 58317.4 | 0.0 | U/P |
| 9.325 | 30.5731 | 0.0000 | 83.806 | 3.96797 | 0.00000 | 353247.4 | 58436.4 | 0.0 | U/P |
| 9.333 | 30.4671 | 0.0000 | 83.818 | 3.97217 | 0.00000 | 354163.0 | 58555.5 | 0.0 | U/P |
| 9.342 | 30.3680 | 0.0000 | 83.829 | 3.97635 | 0.00000 | 355075.6 | 58674.7 | 0.0 | U/P |
| 9.350 | 30.2755 | 0.0000 | 83.841 | 3.98050 | 0.00000 | 355985.2 | 58794.1 | 0.0 | U/P |
| 9.358 | 30.1894 | 0.0000 | 83.852 | 3.98464 | 0.00000 | 356892.2 | 58913.5 | 0.0 | U/P |
| 9.367 | 30.1088 | 0.0000 | 83.863 | 3.98875 | 0.00000 | 357796.7 | 59033.1 | 0.0 | U/P |
| 9.375 | 30.0338 | 0.0000 | 83.875 | 3.99285 | 0.00000 | 358698.8 | 59152.9 | 0.0 | U/P |
| 9.383 | 29.9637 | 0.0000 | 83.886 | 3.99694 | 0.00000 | 359598.8 | 59272.7 | 0.0 | U/P |
| 9.392 | 29.8983 | 0.0000 | 83.897 | 4.00100 | 0.00000 | 360496.7 | 59392.7 | 0.0 | U/P |
| 9.400 | 29.8374 | 0.0000 | 83.908 | 4.00506 | 0.00000 | 361392.7 | 59512.8 | 0.0 | U/P |
| 9.408 | 29.7804 | 0.0000 | 83.920 | 4.00909 | 0.00000 | 362287.0 | 59633.0 | 0.0 | U/P |
| 9.417 | 29.7273 | 0.0000 | 83.931 | 4.01312 | 0.00000 | 363179.6 | 59753.3 | 0.0 | U/P |
| 9.425 | 29.6777 | 0.0000 | 83.942 | 4.01713 | 0.00000 | 364070.7 | 59873.8 | 0.0 | U/P |
| 9.433 | 29.6314 | 0.0000 | 83.953 | 4.02113 | 0.00000 | 364960.3 | 59994.3 | 0.0 | U/P |
| 9.442 | 29.5881 | 0.0000 | 83.964 | 4.02512 | 0.00000 | 365848.6 | 60115.0 | 0.0 | U/P |
| 9.450 | 29.5476 | 0.0000 | 83.975 | 4.02909 | 0.00000 | 366735.6 | 60235.8 | 0.0 | U/P |
| 9.458 | 29.5096 | 0.0000 | 83.986 | 4.03306 | 0.00000 | 367621.5 | 60356.8 | 0.0 | U/P |
| 9.467 | 29.4741 | 0.0000 | 83.997 | 4.03701 | 0.00000 | 368506.3 | 60477.8 | 0.0 | U/P |
| 9.475 | 29.4408 | 0.0000 | 84.008 | 4.04097 | 0.00000 | 369390.0 | 60599.0 | 0.0 | U/P |
| 9.483 | 29.4098 | 0.0000 | 84.019 | 4.04493 | 0.00000 | 370272.7 | 60720.3 | 0.0 | U/P |
| 9.492 | 29.3808 | 0.0000 | 84.030 | 4.04890 | 0.00000 | 371154.6 | 60841.7 | 0.0 | U/P |
| 9.500 | 29.3538 | 0.0000 | 84.040 | 4.05285 | 0.00000 | 372035.6 | 60963.2 | 0.0 | U/P |
| 9.508 | 29.3283 | 0.0000 | 84.051 | 4.05679 | 0.00000 | 372915.8 | 61084.9 | 0.0 | U/P |
| 9.517 | 29.3031 | 0.0000 | 84.062 | 4.06073 | 0.00000 | 373795.3 | 61206.6 | 0.0 | U/P |
| 9.525 | 29.2777 | 0.0000 | 84.073 | 4.06466 | 0.00000 | 374674.0 | 61328.5 | 0.0 | U/P |
| 9.533 | 29.2513 | 0.0000 | 84.084 | 4.06858 | 0.00000 | 375552.0 | 61450.5 | 0.0 | U/P |
| 9.542 | 29.2230 | 0.0000 | 84.094 | 4.07249 | 0.00000 | 376429.1 | 61572.6 | 0.0 | U/P |
| 9.550 | 29.1921 | 0.0000 | 84.105 | 4.07639 | 0.00000 | 377305.3 | 61694.9 | 0.0 | U/P |
| 9.558 | 29.1572 | 0.0000 | 84.116 | 4.08028 | 0.00000 | 378180.5 | 61817.2 | 0.0 | U/P |
| 9.567 | 29.1175 | 0.0000 | 84.126 | 4.08417 | 0.00000 | 379054.7 | 61939.7 | 0.0 | U/P |
| 9.575 | 29.0728 | 0.0000 | 84.137 | 4.08804 | 0.00000 | 379927.5 | 62062.3 | 0.0 | U/P |
| 9.583 | 29.0238 | 0.0000 | 84.148 | 4.09190 | 0.00000 | 380799.0 | 62185.0 | 0.0 | U/P |
| 9.592 | 28.9713 | 0.0000 | 84.158 | 4.09575 | 0.00000 | 381668.9 | 62307.8 | 0.0 | U/P |
| 9.600 | 28.9161 | 0.0000 | 84.169 | 4.09959 | 0.00000 | 382537.2 | 62430.7 | 0.0 | U/P |
| 9.608 | 28.8593 | 0.0000 | 84.179 | 4.10341 | 0.00000 | 383403.8 | 62553.7 | 0.0 | U/P |
| 9.617 | 28.8020 | 0.0000 | 84.190 | 4.10722 | 0.00000 | 384268.8 | 62676.9 | 0.0 | U/P |
| 9.625 | 28.7445 | 0.0000 | 84.200 | 4.11102 | 0.00000 | 385131.9 | 62800.2 | 0.0 | U/P |
| 9.633 | 28.6878 | 0.0000 | 84.210 | 4.11481 | 0.00000 | 385993.4 | 62923.6 | 0.0 | U/P |
| 9.642 | 28.6327 | 0.0000 | 84.221 | 4.11858 | 0.00000 | 386853.3 | 63047.1 | 0.0 | U/P |
| 9.650 | 28.5794 | 0.0000 | 84.231 | 4.12234 | 0.00000 | 387711.4 | 63170.7 | 0.0 | U/P |
| 9.658 | 28.5282 | 0.0000 | 84.241 | 4.12609 | 0.00000 | 388568.0 | 63294.4 | 0.0 | U/P |
| 9.667 | 28.4798 | 0.0000 | 84.252 | 4.12983 | 0.00000 | 389423.2 | 63418.2 | 0.0 | U/P |
| 9.675 | 28.4346 | 0.0000 | 84.262 | 4.13356 | 0.00000 | 390276.9 | 63542.2 | 0.0 | U/P |
| 9.683 | 28.3930 | 0.0000 | 84.272 | 4.13727 | 0.00000 | 391129.3 | 63666.3 | 0.0 | U/P |
| 9.692 | 28.3545 | 0.0000 | 84.282 | 4.14098 | 0.00000 | 391980.5 | 63790.4 | 0.0 | U/P |
| 9.700 | 28.3188 | 0.0000 | 84.292 | 4.14467 | 0.00000 | 392830.6 | 63914.7 | 0.0 | U/P |
| 9.708 | 28.2855 | 0.0000 | 84.302 | 4.14836 | 0.00000 | 393679.7 | 64039.1 | 0.0 | U/P |
| 9.717 | 28.2544 | 0.0000 | 84.312 | 4.15203 | 0.00000 | 394527.8 | 64163.6 | 0.0 | U/P |
| 9.725 | 28.2253 | 0.0000 | 84.322 | 4.15570 | 0.00000 | 395374.9 | 64288.2 | 0.0 | U/P |
| 9.733 | 28.1981 | 0.0000 | 84.333 | 4.15936 | 0.00000 | 396221.3 | 64413.0 | 0.0 | U/P |
| 9.742 | 28.1726 | 0.0000 | 84.343 | 4.16301 | 0.00000 | 397066.9 | 64537.8 | 0.0 | U/P |
| 9.750 | 28.1488 | 0.0000 | 84.353 | 4.16666 | 0.00000 | 397911.7 | 64662.7 | 0.0 | U/P |
| 9.758 | 28.1265 | 0.0000 | 84.363 | 4.17029 | 0.00000 | 398755.8 | 64787.8 | 0.0 | U/P |
| 9.767 | 28.1058 | 0.0000 | 84.372 | 4.17392 | 0.00000 | 399599.3 | 64913.0 | 0.0 | U/P |
| 9.775 | 28.0865 | 0.0000 | 84.382 | 4.17755 | 0.00000 | 400442.2 | 65038.2 | 0.0 | U/P |
| 9.783 | 28.0684 | 0.0000 | 84.392 | 4.18116 | 0.00000 | 401284.5 | 65163.6 | 0.0 | U/P |
| 9.792 | 28.0514 | 0.0000 | 84.402 | 4.18477 | 0.00000 | 402126.3 | 65289.1 | 0.0 | U/P |
| 9.800 | 28.0356 | 0.0000 | 84.412 | 4.18838 | 0.00000 | 402967.6 | 65414.7 | 0.0 | U/P |
| 9.808 | 28.0208 | 0.0000 | 84.422 | 4.19197 | 0.00000 | 403808.4 | 65540.4 | 0.0 | U/P |
| 9.817 | 28.0070 | 0.0000 | 84.432 | 4.19557 | 0.00000 | 404648.9 | 65666.2 | 0.0 | U/P |
| 9.825 | 27.9941 | 0.0000 | 84.442 | 4.19915 | 0.00000 | 405488.9 | 65792.1 | 0.0 | U/P |
| 9.833 | 27.9820 | 0.0000 | 84.452 | 4.20273 | 0.00000 | 406328.5 | 65918.2 | 0.0 | U/P |
| 9.842 | 27.9707 | 0.0000 | 84,461 | 4.20631 | 0.00000 | 407167.8 | 66044.3 | 0.0 | U/P |
| 9.850 | 27.9602 | 0.0000 | 84.471 | 4.20988 | 0.00000 | 408006.8 | 66170.5 | 0.0 | U/P |
| 9.858 | 27.9503 | 0.0000 | 84.481 | 4.21344 | 0.00000 | 408845.4 | 66296.9 | 0.0 | U/P |

# PONDS Version 3.2.0207 <br> Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E. 

Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year/24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate (fils ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | infitration Rate (fil/s) | Overlow Discharge ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{fl}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 9.867 | 27.9411 | 0.0000 | 84.491 | 4.21700 | 0.00000 | 409683.8 | 66423.3 | 0.0 | U/P |
| 9.875 | 27.9325 | 0.0000 | 84.500 | 4.22056 | 0.00000 | 410521.9 | 66549.9 | 0.0 | U/P |
| 9.883 | 27.9244 | 0.0000 | 84.510 | 4.22411 | 0.00000 | 411359.8 | 66676.6 | 0.0 | U/P |
| 9.892 | 27.9168 | 0.0000 | 84.520 | 4.22765 | 0.00000 | 412197.4 | 66803.4 | 0.0 | U/P |
| 9.900 | 27.9098 | 0.0000 | 84.530 | 4.23119 | 0.00000 | 413034.8 | 66930.2 | 0.0 | U/P |
| 9.908 | 27.9032 | 0.0000 | 84.539 | 4.23473 | 0.00000 | 413872.0 | 67057.2 | 0.0 | U/P |
| 9.917 | 27.8970 | 0.0000 | 84.549 | 4.23826 | 0.00000 | 414709.0 | 67184.3 | 0.0 | U/P |
| 9.925 | 27.8912 | 0.0000 | 84.559 | 4.24179 | 0.00000 | 415545.8 | 67311.5 | 0.0 | U/P |
| 9.933 | 27.8858 | 0.0000 | 84.568 | 4.24531 | 0.00000 | 416382.4 | 67438.8 | 0.0 | U/P |
| 9.942 | 27.8807 | 0.0000 | 84.578 | 4.24883 | 0.00000 | 417218.9 | 67566.2 | 0.0 | U/P |
| 9.950 | 27.8760 | 0.0000 | 84.588 | 4.25235 | 0.00000 | 418055.3 | 67693.8 | 0.0 | U/P |
| 9.958 | 27.8716 | 0.0000 | 84.597 | 4.25586 | 0.00000 | 418891.5 | 67821.4 | 0.0 | U/P |
| 9.967 | 27.8674 | 0.0000 | 84.607 | 4.25936 | 0.00000 | 419727.6 | 67949.1 | 0.0 | U/P |
| 9.975 | 27.8635 | 0.0000 | 84.617 | 4.26287 | 0.00000 | 420563.6 | 68077.0 | 0.0 | U/P |
| 9.983 | 27.8599 | 0.0000 | 84.626 | 4.26636 | 0.00000 | 421399.4 | 68204.9 | 0.0 | U/P |
| 9.992 | 27.8565 | 0.0000 | 84.636 | 4.26986 | 0.00000 | 422235.2 | 68332.9 | 0.0 | U/P |
| 10.000 | 27.8533 | 0.0000 | 84.645 | 4.27335 | 0.00000 | 423070.8 | 68461.1 | 0.0 | U/P |
| 10.008 | 27.8499 | 0.0000 | 84.655 | 4.27684 | 0.00000 | 423906.3 | 68589.3 | 0.0 | U/P |
| 10.017 | 27.8360 | 0.0000 | 84.664 | 4.28032 | 0.00000 | 424741.7 | 68717.7 | 0.0 | U/P |
| 10.025 | 27.8018 | 0.0000 | 84.674 | 4.28379 | 0.00000 | 425576.2 | 68846.1 | 0.0 | U/P |
| 10.033 | 27.7397 | 0.0000 | 84.684 | 4.28726 | 0.00000 | 426409.3 | 68974.7 | 0.0 | U/P |
| 10.042 | 27.6437 | 0.0000 | 84.693 | 4.29072 | 0.00000 | 427240.1 | 69103.4 | 0.0 | U/P |
| 10.050 | 27.5021 | 0.0000 | 84.702 | 4.29416 | 0.00000 | 428067.3 | 69232.2 | 0.0 | U/P |
| 10.058 | 27.3042 | 0.0000 | 84.712 | 4.29757 | 0.00000 | 428889.3 | 69361.0 | 0.0 | U/P |
| 10.067 | 27.0398 | 0.0000 | 84.721 | 4.30095 | 0.00000 | 429704.5 | 69490.0 | 0.0 | U/P |
| 10.075 | 26.7006 | 0.0000 | 84.730 | 4.30429 | 0.00000 | 430510.6 | 69619.1 | 0.0 | U/P |
| 10.083 | 26.2947 | 0.0000 | 84.739 | 4.30757 | 0.00000 | 431305.6 | 69748.3 | 0.0 | U/P |
| 10.092 | 25.8320 | 0.0000 | 84.748 | 4.31080 | 0.00000 | 432087.5 | 69877.5 | 0.0 | U/P |
| 10.100 | 25.3228 | 0.0000 | 84.756 | 4.31395 | 0.00000 | 432854.8 | 70006.9 | 0.0 | U/P |
| 10.108 | 24.7787 | 0.0000 | 84.765 | 4.31703 | 0.00000 | 433606.3 | 70136.4 | 0.0 | U/P |
| 10.117 | 24.2166 | 0.0000 | 84.773 | 4.32002 | 0.00000 | 434341.2 | 70265.9 | 0.0 | U/P |
| 10.125 | 23.6420 | 0.0000 | 84.781 | 4.32293 | 0.00000 | 435059.1 | 70395.6 | 0.0 | U/P |
| 10.133 | 23.0644 | 0.0000 | 84.788 | 4.32575 | 0.00000 | 435759.7 | 70525.3 | 0.0 | U/P |
| 10.142 | 22.4962 | 0.0000 | 84.796 | 4.32849 | 0.00000 | 436443.1 | 70655.1 | 0.0 | U/P |
| 10.150 | 21.9428 | 0.0000 | 84.803 | 4.33115 | 0.00000 | 437109.7 | 70785.0 | 0.0 | U/P |
| 10.158 | 21.4081 | 0.0000 | 84.810 | 4.33372 | 0.00000 | 437760.0 | 70915.0 | 0.0 | U/P |
| 10.167 | 20.8975 | 0.0000 | 84.817 | 4.33621 | 0.00000 | 438394.5 | 71045.0 | 0.0 | U/P |
| 10.175 | 20.4176 | 0.0000 | 84.823 | 4.33862 | 0.00000 | 439014.3 | 71175.2 | 0.0 | U/P |
| 10.183 | 19.9764 | 0.0000 | 84.829 | 4.34096 | 0.00000 | 439620.2 | 71305.4 | 0.0 | U/P |
| 10.192 | 19.5715 | 0.0000 | 84.836 | 4.34324 | 0.00000 | 440213.4 | 71435.6 | 0.0 | U/P |
| 10.200 | 19.1985 | 0.0000 | 84.842 | 4.34546 | 0.00000 | 440794.9 | 71566.0 | 0.0 | U/P |
| 10.208 | 18.8520 | 0.0000 | 84.847 | 4.34762 | 0.00000 | 441365.7 | 71696.4 | 0.0 | U/P |
| 10.217 | 18.5294 | 0.0000 | 84.853 | 4.34973 | 0.00000 | 441926.4 | 71826.8 | 0.0 | U/P |
| 10.225 | 18.2289 | 0.0000 | 84.859 | 4.35179 | 0.00000 | 442477.8 | 71957.3 | 0.0 | U/P |
| 10.233 | 17.9485 | 0.0000 | 84.864 | 4.35381 | 0.00000 | 443020.5 | 72087.9 | 0.0 | U/P |
| 10.242 | 17.6854 | 0.0000 | 84.870 | 4.35578 | 0.00000 | 443555.0 | 72218.6 | 0.0 | U/P |
| 10.250 | 17.4397 | 0.0000 | 84.875 | 4.35772 | 0.00000 | 444081.8 | 72349.3 | 0.0 | U/P |
| 10.258 | 17.2103 | 0.0000 | 84.880 | 4.35961 | 0.00000 | 444601.6 | 72480.0 | 0.0 | U/P |
| 10.267 | 16.9963 | 0.0000 | 84.885 | 4.36148 | 0.00000 | 445114.7 | 72610.8 | 0.0 | U/P |
| 10.275 | 16.7979 | 0.0000 | 84.890 | 4.36331 | 0.00000 | 445621.6 | 72741.7 | 0.0 | U/P |
| 10.283 | 16.6116 | 0.0000 | 84.895 | 4.36511 | 0.00000 | 446122.8 | 72872.6 | 0.0 | U/P |
| 10.292 | 16.4375 | 0.0000 | 84.900 | 4.36688 | 0.00000 | 446618.5 | 73003.6 | 0.0 | U/P |
| 10.300 | 16.2748 | 0.0000 | 84.905 | 4.36863 | 0.00000 | 447109.2 | 73134.7 | 0.0 | U/P |
| 10.308 | 16.1224 | 0.0000 | 84.909 | 4.37035 | 0.00000 | 447595.1 | 73265.7 | 0.0 | U/P |
| 10.317 | 15.9800 | 0.0000 | 84.914 | 4.37205 | 0.00000 | 448076.7 | 73396.9 | 0.0 | U/P |
| 10.325 | 15.8466 | 0.0000 | 84.919 | 4.37373 | 0.00000 | 448554.1 | 73528.1 | 0.0 | U/P |
| 10.333 | 15.7217 | 0.0000 | 84.923 | 4.37539 | 0.00000 | 449027.6 | 73659.3 | 0.0 | U/P |
| 10.342 | 15.6050 | 0.0000 | 84.928 | 4.37703 | 0.00000 | 449497.5 | 73790.6 | 0.0 | U/P |
| 10.350 | 15.4953 | 0.0000 | 84.932 | 4.37865 | 0.00000 | 449964.0 | 73921.9 | 0.0 | U/P |
| 10.358 | 15.3924 | 0.0000 | 84.936 | 4.38026 | 0.00000 | 450427.3 | 74053.3 | 0.0 | U/P |
| 10.367 | 15.2957 | 0.0000 | 84.941 | 4.38185 | 0.00000 | 450887.6 | 74184.7 | 0.0 | U/P |
| 10.375 | 15.2048 | 0.0000 | 84.945 | 4.38342 | 0.00000 | 451345.2 | 74316.2 | 0.0 | U/P |
| 10.383 | 15.1195 | 0.0000 | 84.949 | 4.38498 | 0.00000 | 451800.0 | 74447.7 | 0.0 | U/P |
| 10.392 | 15.0393 | 0.0000 | 84.954 | 4.38653 | 0.00000 | 452252.4 | 74579.3 | 0.0 | U/P |
| 10.400 | 14.9637 | 0.0000 | 84.958 | 4.38806 | 0.00000 | 452702.4 | 74710.9 | 0.0 | U/P |
| 10.408 | 14.8928 | 0.0000 | 84.962 | 4.38959 | 0.00000 | 453150.3 | 74842.6 | 0.0 | U/P |
| 10.417 | 14.8260 | 0.0000 | 84.966 | 4.39110 | 0.00000 | 453596.1 | 74974.3 | 0.0 | U/P |
| 10.425 | 14.7631 | 0.0000 | 84.970 | 4.39260 | 0.00000 | 454039.9 | 75106.1 | 0.0 | U/P |
| 10.433 | 14.7039 | 0.0000 | 84.974 | 4.39409 | 0.00000 | 454481.9 | 75237.9 | 0.0 | U/P |
| 10.442 | 14.6480 | 0.0000 | 84.978 | 4.39558 | 0.00000 | 454922.2 | 75369.7 | 0.0 | U/P |
| 10.450 | 14.5953 | 0.0000 | 84.982 | 4.39705 | 0.00000 | 455360.8 | 75501.6 | 0.0 | U/P |
| 10.458 | 14.5456 | 0.0000 | 84.986 | 4.39852 | 0.00000 | 455797.9 | 75633.5 | 0.0 | U/P |
| 10.467 | 14.4985 | 0.0000 | 84.990 | 4.39998 | 0.00000 | 456233.6 | 75765.5 | 0.0 | U/P |
| 10.475 | 14.4540 | 0.0000 | 84.994 | 4.40143 | 0.00000 | 456667.9 | 75897.5 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate (ft/s) | Outside Recharge (f/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Overtow <br> Discharge ( $\mathrm{f}{ }^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 10.483 | 14.4119 | 0.0000 | 84.998 | 4.40287 | 0.00000 | 457100.9 | 76029.6 | 0.0 | U/P |
| 10.492 | 14.3723 | 0.0000 | 85.002 | 4.40431 | 0.00000 | 457532.7 | 76161.7 | 0.0 | U/P |
| 10.500 | 14.3348 | 0.0000 | 85.006 | 4.40575 | 0.00000 | 457963.3 | 76293.9 | 0.0 | U/P |
| 10.508 | 14.2996 | 0.0000 | 85.010 | 4.40719 | 0.00000 | 458392.8 | 76426.1 | 0.0 | U/P |
| 10.517 | 14.2670 | 0.0000 | 85.014 | 4.40862 | 0.00000 | 458821.3 | 76558.3 | 0.0 | U/P |
| 10.525 | 14.2381 | 0.0000 | 85.018 | 4.41005 | 0.00000 | 459248.8 | 76690.6 | 0.0 | U/P |
| 10.533 | 14.2138 | 0.0000 | 85.022 | 4.41147 | 0.00000 | 459675.6 | 76822.9 | 0.0 | U/P |
| 10.542 | 14.1946 | 0.0000 | 85.026 | 4.41289 | 0.00000 | 460101.8 | 76955.3 | 0.0 | U/P |
| 10.550 | 14.1816 | 0.0000 | 85.029 | 4.41430 | 0.00000 | 460527.4 | 77087.7 | 0.0 | U/P |
| 10.558 | 14.1758 | 0.0000 | 85.033 | 4.41571 | 0.00000 | 460952.8 | 77220.1 | 0.0 | U/P |
| 10.567 | 14.1782 | 0.0000 | 85.037 | 4.41712 | 0.00000 | 461378.1 | 77352.6 | 0.0 | U/P |
| 10.575 | 14.1895 | 0.0000 | 85.041 | 4.41853 | 0.00000 | 461803.6 | 77485.1 | 0.0 | U/P |
| 10.583 | 14.2096 | 0.0000 | 85.045 | 4.41994 | 0.00000 | 462229.6 | 77617.7 | 0.0 | U/P |
| 10.592 | 14.2374 | 0.0000 | 85.049 | 4.42136 | 0.00000 | 462656.3 | 77750.3 | 0.0 | U/P |
| 10.600 | 14.2716 | 0.0000 | 85.052 | 4.42277 | 0.00000 | 463083.9 | 77883.0 | 0.0 | U/P |
| 10.608 | 14.3111 | 0.0000 | 85.056 | 4.42419 | 0.00000 | 463512.7 | 78015.7 | 0.0 | U/P |
| 10.617 | 14.3542 | 0.0000 | 85.060 | 4.42562 | 0.00000 | 463942.6 | 78148.5 | 0.0 | U/P |
| 10.625 | 14.3996 | 0.0000 | 85.064 | 4.42705 | 0.00000 | 464373.9 | 78281.2 | 0.0 | U/P |
| 10.633 | 14.4466 | 0.0000 | 85.068 | 4.42849 | 0.00000 | 464806.6 | 78414.1 | 0.0 | U/P |
| 10.642 | 14.4939 | 0.0000 | 85.072 | 4.42993 | 0.00000 | 465240.7 | 78547.0 | 0.0 | U/P |
| 10.650 | 14.5405 | 0.0000 | 85.076 | 4.43138 | 0.00000 | 465676.3 | 78679.9 | 0.0 | U/P |
| 10.658 | 14.5860 | 0.0000 | 85.080 | 4.43283 | 0.00000 | 466113.2 | 78812.8 | 0.0 | U/P |
| 10.667 | 14.6298 | 0.0000 | 85.084 | 4.43430 | 0.00000 | 466551.4 | 78945.8 | 0.0 | U/P |
| 10.675 | 14.6712 | 0.0000 | 85.088 | 4.43576 | 0.00000 | 466990.9 | 79078.9 | 0.0 | U/P |
| 10.683 | 14.7095 | 0.0000 | 85.092 | 4.43723 | 0.00000 | 467431.6 | 79212.0 | 0.0 | U/P |
| 10.692 | 14.7444 | 0.0000 | 85.096 | 4.43871 | 0.00000 | 467873.4 | 79345.1 | 0.0 | U/P |
| 10.700 | 14.7762 | 0.0000 | 85.100 | 4.44019 | 0.00000 | 468316.2 | 79478.3 | 0.0 | U/P |
| 10.708 | 14.8056 | 0.0000 | 85.104 | 4.44168 | 0.00000 | 468759.9 | 79611.5 | 0.0 | U/P |
| 10.717 | 14.8328 | 0.0000 | 85.108 | 4.44316 | 0.00000 | 469204.5 | 79744.8 | 0.0 | U/P |
| 10.725 | 14.8581 | 0.0000 | 85.112 | 4.44466 | 0.00000 | 469649.9 | 79878.1 | 0.0 | U/P |
| 10.733 | 14.8817 | 0.0000 | 85.116 | 4.44615 | 0.00000 | 470096.0 | 80011.5 | 0.0 | U/P |
| 10.742 | 14.9038 | 0.0000 | 85.120 | 4.44765 | 0.00000 | 470542.8 | 80144.9 | 0.0 | U/P |
| 10.750 | 14.9246 | 0.0000 | 85.124 | 4.44915 | 0.00000 | 470990.2 | 80278.3 | 0.0 | U/P |
| 10.758 | 14.9440 | 0.0000 | 85.128 | 4.45065 | 0.00000 | 471438.2 | 80411.8 | 0.0 | U/P |
| 10.767 | 14.9622 | 0.0000 | 85.132 | 4.45215 | 0.00000 | 471886.8 | 80545.4 | 0.0 | U/P |
| 10.775 | 14.9791 | 0.0000 | 85.137 | 4.45366 | 0.00000 | 472335.9 | 80679.0 | 0.0 | U/P |
| 10.783 | 14.9949 | 0.0000 | 85.141 | 4.45517 | 0.00000 | 472785.5 | 80812.6 | 0.0 | U/P |
| 10.792 | 15.0097 | 0.0000 | 85.145 | 4.45668 | 0.00000 | 473235.6 | 80946.3 | 0.0 | U/P |
| 10.800 | 15.0237 | 0.0000 | 85.149 | 4.45819 | 0.00000 | 473686.1 | 81080.0 | 0.0 | U/P |
| 10.808 | 15.0368 | 0.0000 | 85.153 | 4.45970 | 0.00000 | 474137.0 | 81213.8 | 0.0 | U/P |
| 10.817 | 15.0490 | 0.0000 | 85.157 | 4.46121 | 0.00000 | 474588.3 | 81347.6 | 0.0 | U/P |
| 10.825 | 15.0606 | 0.0000 | 85.161 | 4.46272 | 0.00000 | 475039.9 | 81481.5 | 0.0 | U/P |
| 10.833 | 15.0714 | 0.0000 | 85.165 | 4.46424 | 0.00000 | 475491.9 | 81615.4 | 0.0 | U/P |
| 10.842 | 15.0816 | 0.0000 | 85.170 | 4.46575 | 0.00000 | 475944.2 | 81749.3 | 0.0 | U/P |
| 10.850 | 15.0911 | 0.0000 | 85.174 | 4.46727 | 0.00000 | 476396.8 | 81883.3 | 0.0 | U/P |
| 10.858 | 15.1001 | 0.0000 | 85.178 | 4.46879 | 0.00000 | 476849.7 | 82017.3 | 0.0 | U/P |
| 10.867 | 15.1086 | 0.0000 | 85.182 | 4.47030 | 0.00000 | 477302.8 | 82151.4 | 0.0 | U/P |
| 10.875 | 15.1167 | 0.0000 | 85.186 | 4.47182 | 0.00000 | 477756.2 | 82285.6 | 0.0 | U/P |
| 10.883 | 15.1242 | 0.0000 | 85.190 | 4.47334 | 0.00000 | 478209.8 | 82419.7 | 0.0 | U/P |
| 10.892 | 15.1313 | 0.0000 | 85.194 | 4.47486 | 0.00000 | 478663.6 | 82554.0 | 0.0 | U/P |
| 10.900 | 15.1381 | 0.0000 | 85.198 | 4.47638 | 0.00000 | 479117.7 | 82688.2 | 0.0 | U/P |
| 10.908 | 15.1444 | 0.0000 | 85.203 | 4.47790 | 0.00000 | 479571.9 | 82822.5 | 0.0 | U/P |
| 10.917 | 15.1504 | 0.0000 | 85.207 | 4.47942 | 0.00000 | 480026.3 | 82956.9 | 0.0 | U/P |
| 10.925 | 15.1560 | 0.0000 | 85.211 | 4.48094 | 0.00000 | 480480.9 | 83091.3 | 0.0 | U/P |
| 10.933 | 15.1614 | 0.0000 | 85.215 | 4.48246 | 0.00000 | 480935.7 | 83225.8 | 0.0 | U/P |
| 10.942 | 15.1664 | 0.0000 | 85.219 | 4.48398 | 0.00000 | 481390.6 | 83360.3 | 0.0 | U/P |
| 10.950 | 15.1712 | 0.0000 | 85.223 | 4.48550 | 0.00000 | 481845.7 | 83494.8 | 0.0 | U/P |
| 10.958 | \$5.1757 | 0.0000 | 85.227 | 4.48702 | 0.00000 | 482300.9 | 83629.4 | 0.0 | U/P |
| 10.967 | 15.1800 | 0.0000 | 85.232 | 4.48853 | 0.00000 | 482756.2 | 83764.0 | 0.0 | U/P |
| 10.975 | 15.1840 | 0.0000 | 85.236 | 4.49005 | 0.00000 | 483211.7 | 83898.7 | 0.0 | U/P |
| 10.983 | 15.1879 | 0.0000 | 85.240 | 4.49157 | 0.00000 | 483667.3 | 84033.4 | 0.0 | U/P |
| 10.992 | 15.1915 | 0.0000 | 85.244 | 4.49309 | 0.00000 | 484122.9 | 84168.2 | 0.0 | U/P |
| 11.000 | 15.1900 | 0.0000 | 85.248 | 4.49461 | 0.00000 | 484578.7 | 84303.0 | 0.0 | U/P |
| 11.008 | 15.1785 | 0.0000 | 85.252 | 4.49613 | 0.00000 | 485034.2 | 84437.9 | 0.0 | U/P |
| 11.017 | 15.1532 | 0.0000 | 85.256 | 4.49764 | 0.00000 | 485489.2 | 84572.8 | 0.0 | U/P |
| 11.025 | 15.1113 | 0.0000 | 85.260 | 4.49915 | 0.00000 | 485943.1 | 84707.7 | 0.0 | U/P |
| \$1.033 | 15.0472 | 0.0000 | 85.264 | 4.50066 | 0.00000 | 486395.5 | 84842.7 | 0.0 | U/P |
| 11.042 | 14.9556 | 0.0000 | 85.269 | 4.50215 | 0.00000 | 486845.6 | 84977.8 | 0.0 | U/P |
| 11.050 | 14.8316 | 0.0000 | 85.273 | 4.50363 | 0.00000 | 487292.4 | 85112.8 | 0.0 | U/P |
| 11.058 | 14.6709 | 0.0000 | 85.276 | 4.50509 | 0.00000 | 487734.9 | 85248.0 | 0.0 | U/P |
| 11.067 | 14.4773 | 0.0000 | 85.280 | 4.50653 | 0.00000 | 488172.1 | 85383.2 | 0.0 | U/P |
| 11.075 | 14.2557 | 0.0000 | 85.284 | 4.50794 | 0.00000 | 488603.1 | 85518.4 | 0.0 | U/P |
| 11.083 | 14.0115 | 0.0000 | 85.288 | 4.50932 | 0.00000 | 489027.1 | 85653.6 | 0.0 | U/P |
| 11.092 | 13.7501 | 0.0000 | 85.291 | 4.51066 | 0.00000 | 489443.6 | 85788.9 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year/24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow <br> Discharge ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume $\left(\mathrm{ft}^{3}\right.$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 11.100 | 13.4800 | 0.0000 | 85.295 | 4.51197 | 0.00000 | 489852.0 | 85924.3 | 0.0 | U/P |
| 11.108 | 13.2040 | 0.0000 | 85.298 | 4.51324 | 0.00000 | 490252.3 | 86059.7 | 0.0 | U/P |
| 11.117 | 12.9267 | 0.0000 | 85.302 | 4.51447 | 0.00000 | 490644.2 | 86195.1 | 0.0 | U/P |
| 11.125 | 12.6540 | 0.0000 | 85.305 | 4.51566 | 0.00000 | 491027.9 | 86330.5 | 0.0 | U/P |
| 11.133 | 12.3887 | 0.0000 | 85.308 | 4.51681 | 0.00000 | 491403.6 | 86466.0 | 0.0 | U/P |
| 11.142 | 12.1326 | 0.0000 | 85.311 | 4.51792 | 0.00000 | 491771.4 | 86601.5 | 0.0 | U/P |
| 11.150 | 11.8881 | 0.0000 | 85.314 | 4.51899 | 0.00000 | 492131.7 | 86737.1 | 0.0 | U/P |
| 11.158 | 11.6583 | 0.0000 | 85.317 | 4.52003 | 0.00000 | 492484.9 | 86872.7 | 0.0 | U/P |
| 11.167 | 11.4473 | 0.0000 | 85.319 | 4.52104 | 0.00000 | 492831.5 | 87008.3 | 0.0 | U/P |
| 11.175 | 11.2540 | 0.0000 | 85.322 | 4.52202 | 0.00000 | 493172.0 | 87143.9 | 0.0 | U/P |
| 11.183 | 11.0761 | 0.0000 | 85.324 | 4.52297 | 0.00000 | 493506.9 | 87279.6 | 0.0 | U/P |
| $\ddagger 1.192$ | 10.9109 | 0.0000 | 85.327 | 4.52389 | 0.00000 | 493836.8 | 87415.3 | 0.0 | U/P |
| 11.200 | 10.7569 | 0.0000 | 85.329 | 4.52480 | 0.00000 | 494161.8 | 87551.0 | 0.0 | U/P |
| 11.208 | 10.6134 | 0.0000 | 85.332 | 4.52567 | 0.00000 | 494482.3 | 87686.8 | 0.0 | U/P |
| 11.217 | 10.4791 | 0.0000 | 85.334 | 4.52653 | 0.00000 | 494798.7 | 87822.6 | 0.0 | U/P |
| 11.225 | 10.3528 | 0.0000 | 85.336 | 4.52737 | 0.00000 | 495111.2 | 87958.4 | 0.0 | U/P |
| 11.233 | 10.2346 | 0.0000 | 85.338 | 4.52819 | 0.00000 | 495420.0 | 88094.2 | 0.0 | U/P |
| 11.242 | 10.1238 | 0.0000 | 85.341 | 4.52900 | 0.00000 | 495725.4 | 88230.1 | 0.0 | U/P |
| 11.250 | 10.0201 | 0.0000 | 85.343 | 4.52979 | 0.00000 | 496027.5 | 88366.0 | 0.0 | U/P |
| 11.258 | 9.9236 | 0.0000 | 85.345 | 4.53056 | 0.00000 | 496326.7 | 88501.9 | 0.0 | U/P |
| 11.267 | 9.8326 | 0.0000 | 85.347 | 4.53132 | 0.00000 | 496623.0 | 88637.8 | 0.0 | U/P |
| 11.275 | 9.7472 | 0.0000 | 85.349 | 4.53206 | 0.00000 | 496916.7 | 88773.7 | 0.0 | U/P |
| 11.283 | 9.6670 | 0.0000 | 85.351 | 4.53280 | 0.00000 | 497207.9 | 88909.7 | 0.0 | U/P |
| 11.292 | 9.5915 | 0.0000 | 85.353 | 4.53352 | 0.00000 | 497496.8 | 89045.7 | 0.0 | U/P |
| 11.300 | 9.5205 | 0.0000 | 85.355 | 4.53423 | 0.00000 | 497783.5 | 89181.7 | 0.0 | U/P |
| 11.308 | 9.4538 | 0.0000 | 85.357 | 4.53494 | 0.00000 | 498068.1 | 89317.8 | 0.0 | U/P |
| 11.317 | 9.3908 | 0.0000 | 85.359 | 4.53563 | 0.00000 | 498350.8 | 89453.8 | 0.0 | U/P |
| 11.325 | 9.3317 | 0.0000 | 85.360 | 4.53631 | 0.00000 | 498631.6 | 89589.9 | 0.0 | U/P |
| 11.333 | 9.2758 | 0.0000 | 85.362 | 4.53698 | 0.00000 | 498910.7 | 89726.0 | 0.0 | U/P |
| 11.342 | 9.2229 | 0.0000 | 85.364 | 4.53765 | 0.00000 | 499188.2 | 89862.1 | 0.0 | U/P |
| 11.350 | 9.1731 | 0.0000 | 85.366 | 4.53831 | 0.00000 | 499464.2 | 89998.3 | 0.0 | U/P |
| 11.358 | 9.1258 | 0.0000 | 85.368 | 4.53896 | 0.00000 | 499738.6 | 90134.4 | 0.0 | U/P |
| 11.367 | 9.0811 | 0.0000 | 85.369 | 4.53961 | 0.00000 | 500011.8 | 90270.6 | 0.0 | U/P |
| 11.375 | 9.0389 | 0.0000 | 85.371 | 4.54025 | 0.00000 | 500283.5 | 90406.8 | 0.0 | U/P |
| 11.383 | 8.9988 | 0.0000 | 85.373 | 4.54088 | 0.00000 | 500554.1 | 90543.0 | 0.0 | U/P |
| 11.392 | 8.9608 | 0.0000 | 85.374 | 4.54150 | 0.00000 | 500823.5 | 90679.3 | 0.0 | U/P |
| 11.400 | 8.9249 | 0.0000 | 85.376 | 4.54212 | 0.00000 | 501091.8 | 90815.5 | 0.0 | U/P |
| 11.408 | 8.8907 | 0.0000 | 85.378 | 4.54274 | 0.00000 | 501359.0 | 90951.8 | 0.0 | U/P |
| 11.417 | 8.8584 | 0.0000 | 85.379 | 4.54335 | 0.00000 | 501625.3 | 91088.1 | 0.0 | U/P |
| 11.425 | 8.8276 | 0.0000 | 85.381 | 4.54396 | 0.00000 | 501890.5 | 91224.4 | 0.0 | U/P |
| 11.433 | 8.7984 | 0.0000 | 85.383 | 4.54456 | 0.00000 | 502154.9 | 91360.7 | 0.0 | U/P |
| 11.442 | 8.7706 | 0.0000 | 85.384 | 4.54516 | 0.00000 | 502418.5 | 91497.1 | 0.0 | U/P |
| 11.450 | 8.7441 | 0.0000 | 85.386 | 4.54575 | 0.00000 | 502681.2 | 91633.4 | 0.0 | U/P |
| 11.458 | 8.7188 | 0.0000 | 85.388 | 4.54634 | 0.00000 | 502943.1 | 91769.8 | 0.0 | U/P |
| 11.467 | 8.6948 | 0.0000 | 85.389 | 4.54692 | 0.00000 | 503204.3 | 91906.2 | 0.0 | U/P |
| \$1.475 | 8.6719 | 0.0000 | 85.391 | 4.54750 | 0.00000 | 503464.8 | 92042.6 | 0.0 | U/P |
| 11.483 | 8.6501 | 0.0000 | 85.392 | 4.54808 | 0.00000 | 503724.7 | 92179.0 | 0.0 | U/P |
| 11.492 | 8.6295 | 0.0000 | 85.394 | 4.54866 | 0.00000 | 503983.8 | 92315.5 | 0.0 | U/P |
| \$1.500 | 8.6097 | 0.0000 | 85.395 | 4.54923 | 0.00000 | 504242.4 | 92452.0 | 0.0 | U/P |
| 11.508 | 8.5905 | 0.0000 | 85.397 | 4.54980 | 0.00000 | 504500.4 | 92588.5 | 0.0 | U/P |
| 11.517 | 8.5716 | 0.0000 | 85.398 | 4.55037 | 0.00000 | 504757.9 | 92725.0 | 0.0 | U/P |
| 11.525 | 8.5527 | 0.0000 | 85.400 | 4.55093 | 0.00000 | 505014.8 | 92861.5 | 0.0 | U/P |
| 11.533 | 8.5337 | 0.0000 | 85.402 | 4.55149 | 0.00000 | 505271.0 | 92998.0 | 0.0 | U/P |
| 11.542 | 8.5143 | 0.0000 | 85.403 | 4.55205 | 0.00000 | 505526.8 | 93134.6 | 0.0 | U/P |
| 11.550 | 8.4939 | 0.0000 | 85.405 | 4.55261 | 0.00000 | 505781.9 | 93271.1 | 0.0 | U/P |
| 11.558 | 8.4723 | 0.0000 | 85.406 | 4.55316 | 0.00000 | 506036.4 | 93407.7 | 0.0 | U/P |
| 11.567 | 8.4495 | 0.0000 | 85.408 | 4.55371 | 0.00000 | 506290.2 | 93544.3 | 0.0 | U/P |
| 11.575 | 8.4256 | 0.0000 | 85.409 | 4.55425 | 0.00000 | 506543.3 | 93680.9 | 0.0 | U/P |
| 11.583 | 8.4009 | 0.0000 | 85.410 | 4.55479 | 0.00000 | 506795.7 | 93817.6 | 0.0 | U/P |
| 11.592 | 8.3757 | 0.0000 | 85.412 | 4.55533 | 0.00000 | 507047.4 | 93954.2 | 0.0 | U/P |
| 11.600 | 8.3503 | 0.0000 | 85.413 | 4.55587 | 0.00000 | 507298.3 | 94090.9 | 0.0 | U/P |
| 11.608 | 8.3250 | 0.0000 | 85.415 | 4.55640 | 0.00000 | 507548.4 | 94227.6 | 0.0 | U/P |
| 11.617 | 8.3001 | 0.0000 | 85.416 | 4.55693 | 0.00000 | 507797.8 | 94364.3 | 0.0 | U/P |
| 11.625 | 8.2757 | 0.0000 | 85.418 | 4.55745 | 0.00000 | 508046.4 | 94501.0 | 0.0 | U/P |
| 11.633 | 8.2521 | 0.0000 | 85.419 | 4.55797 | 0.00000 | 508294.3 | 94637.7 | 0.0 | U/P |
| 11.642 | 8.2294 | 0.0000 | 85.420 | 4.55849 | 0.00000 | 508541.5 | 94774.5 | 0.0 | U/P |
| 11.650 | 8.2076 | 0.0000 | 85.422 | 4.55900 | 0.00000 | 508788.1 | 94911.2 | 0.0 | U/P |
| 11.658 | 8.1869 | 0.0000 | 85.423 | 4.55951 | 0.00000 | 509034.0 | 95048.0 | 0.0 | U/P |
| 11.667 | 8.1675 | 0.0000 | 85.425 | 4.56002 | 0.00000 | 509279.3 | 95184.8 | 0.0 | U/P |
| 11.675 | 8.1494 | 0.0000 | 85.426 | 4.56053 | 0.00000 | 509524.1 | 95321.6 | 0.0 | U/P |
| 11.683 | 8.1325 | 0.0000 | 85.427 | 4.56103 | 0.00000 | 509768.3 | 95458.4 | 0.0 | U/P |
| 11.692 | 8.1167 | 0.0000 | 85.429 | 4.56153 | 0.00000 | 510012.1 | 95595.3 | 0.0 | U/P |
| \$1.700 | 8.1018 | 0.0000 | 85.430 | 4.56202 | 0.00000 | 510255.3 | 95732.1 | 0.0 | U/P |
| \$1.708 | 8.0877 | 0.0000 | 85.431 | 4.56252 | 0.00000 | 510498.2 | 95869.0 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (fi/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / 3}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume (ft³) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 11.717 | 8.0744 | 0.0000 | 85.433 | 4.56301 | 0.00000 | 510740.6 | 96005.9 | 0.0 | U/P |
| 11.725 | 8.0618 | 0.0000 | 85.434 | 4.56350 | 0.00000 | 510982.7 | 96142.8 | 0.0 | U/P |
| 11.733 | 8.0498 | 0.0000 | 85.435 | 4.56399 | 0.00000 | 511224.3 | 96279.7 | 0.0 | U/P |
| 11.742 | 8.0385 | 0.0000 | 85.437 | 4.56448 | 0.00000 | 511465.7 | 96416.6 | 0.0 | U/P |
| 11.750 | 8.0277 | 0.0000 | 85.438 | 4.56497 | 0.00000 | 511706.6 | 96553.6 | 0.0 | U/P |
| 11.758 | 8.0175 | 0.0000 | 85.439 | 4.56545 | 0.00000 | 511947.3 | 96690.5 | 0.0 | U/P |
| 11.767 | 8.0079 | 0.0000 | 85.441 | 4.56593 | 0.00000 | 512187.7 | 96827.5 | 0.0 | U/P |
| 11.775 | 7.9987 | 0.0000 | 85.442 | 4.56641 | 0.00000 | 512427.8 | 96964.5 | 0.0 | U/P |
| 11.783 | 7.9900 | 0.0000 | 85.443 | 4.56689 | 0.00000 | 512667.6 | 97101.5 | 0.0 | U/P |
| 11.792 | 7.9817 | 0.0000 | 85.445 | 4.56737 | 0.00000 | 512907.2 | 97238.5 | 0.0 | U/P |
| 11.800 | 7.9738 | 0.0000 | 85.446 | 4.56785 | 0.00000 | 513146.5 | 97375.5 | 0.0 | U/P |
| 11.808 | 7.9663 | 0.0000 | 85.447 | 4.56832 | 0.00000 | 513385.6 | 97512.6 | 0.0 | U/P |
| 11.817 | 7.9592 | 0.0000 | 85.448 | 4.56880 | 0.00000 | 513624.5 | 97649.6 | 0.0 | U/P |
| 11.825 | 7.9524 | 0.0000 | 85.450 | 4.56927 | 0.00000 | 513863.2 | 97786.7 | 0.0 | U/P |
| 11.833 | 7.9459 | 0.0000 | 85.451 | 4.56974 | 0.00000 | 514101.7 | 97923.8 | 0.0 | U/P |
| 11.842 | 7.9397 | 0.0000 | 85.452 | 4.57021 | 0.00000 | 514339.9 | 98060.9 | 0.0 | U/P |
| 11.850 | 7.9338 | 0.0000 | 85.454 | 4.57068 | 0.00000 | 514578.1 | 98198.0 | 0.0 | U/P |
| 11.858 | 7.9282 | 0.0000 | 85.455 | 4.57115 | 0.00000 | 514816.0 | 98335.1 | 0.0 | U/P |
| 11.867 | 7.9228 | 0.0000 | 85.456 | 4.57162 | 0.00000 | 515053.8 | 98472.3 | 0.0 | U/P |
| 11.875 | 7.9176 | 0.0000 | 85.457 | 4.57209 | 0.00000 | 515291.3 | 98609.4 | 0.0 | U/P |
| 11.883 | 7.9127 | 0.0000 | 85.459 | 4.57256 | 0.00000 | 515528.8 | 98746.6 | 0.0 | U/P |
| 11.892 | 7.9081 | 0.0000 | 85.460 | 4.57302 | 0.00000 | 515766.1 | 98883.8 | 0.0 | U/P |
| 11.900 | 7.9036 | 0.0000 | 85.461 | 4.57349 | 0.00000 | 516003.3 | 99021.0 | 0.0 | U/P |
| 11.908 | 7.8993 | 0.0000 | 85.463 | 4.57395 | 0.00000 | 516240.3 | 99158.2 | 0.0 | U/P |
| 11.917 | 7.8952 | 0.0000 | 85.464 | 4.57442 | 0.00000 | 516477.3 | 99295.4 | 0.0 | U/P |
| 11.925 | 7.8913 | 0.0000 | 85.465 | 4.57488 | 0.00000 | 516714.1 | 99432.6 | 0.0 | U/P |
| 11.933 | 7.8876 | 0.0000 | 85.466 | 4.57534 | 0.00000 | 516950.7 | 99569.9 | 0.0 | U/P |
| 11.942 | 7.8840 | 0.0000 | 85.468 | 4.57580 | 0.00000 | 517187.3 | 99707.2 | 0.0 | U/P |
| 11.950 | 7.8806 | 0.0000 | 85.469 | 4.57627 | 0.00000 | 517423.8 | 99844.4 | 0.0 | U/P |
| 11.958 | 7.8773 | 0.0000 | 85.470 | 4.57673 | 0.00000 | 517660.2 | 99981.7 | 0.0 | U/P |
| 11.967 | 7.8741 | 0.0000 | 85.471 | 4.57719 | 0.00000 | 517896.4 | 100119.0 | 0.0 | U/P |
| 11.975 | 7.8711 | 0.0000 | 85.473 | 4.57765 | 0.00000 | 518132.6 | 100256.4 | 0.0 | U/P |
| 11.983 | 7.8682 | 0.0000 | 85.474 | 4.57810 | 0.00000 | 518368.7 | 100393.7 | 0.0 | U/P |
| 11.992 | 7.8655 | 0.0000 | 85.475 | 4.57856 | 0.00000 | 518604.7 | 100531.0 | 0.0 | U/P |
| 12.000 | 7.8629 | 0.0000 | 85.476 | 4.57902 | 0.00000 | 518840.6 | 100668.4 | 0.0 | U/P |
| 12.008 | 7.8606 | 0.0000 | 85.478 | 4.57948 | 0.00000 | 519076.5 | 100805.8 | 0.0 | U/P |
| 12.017 | 7.8590 | 0.0000 | 85.479 | 4.57994 | 0.00000 | 519312.3 | 100943.2 | 0.0 | U/P |
| 12.025 | 7.8583 | 0.0000 | 85.480 | 4.58039 | 0.00000 | 519548.0 | 101080.6 | 0.0 | U/P |
| 12.033 | 7.8586 | 0.0000 | 85.481 | 4.58085 | 0.00000 | 519783.8 | 101218.0 | 0.0 | U/P |
| 12.042 | 7.8602 | 0.0000 | 85.483 | 4.58131 | 0.00000 | 520019.6 | 101355.4 | 0.0 | U/P |
| 12.050 | 7.8634 | 0.0000 | 85.484 | 4.58176 | 0.00000 | 520255.4 | 101492.9 | 0.0 | U/P |
| 12.058 | 7.8685 | 0.0000 | 85.485 | 4.58222 | 0.00000 | 520491.4 | 101630.3 | 0.0 | U/P |
| 12.067 | 7.8756 | 0.0000 | 85.486 | 4.58268 | 0.00000 | 520727.6 | 101767.8 | 0.0 | U/P |
| 12.075 | 7.8845 | 0.0000 | 85.487 | 4.58314 | 0.00000 | 520964.0 | 101905.3 | 0.0 | U/P |
| 12.083 | 7.8950 | 0.0000 | 85.489 | 4.58359 | 0.00000 | 521200.7 | 102042.8 | 0.0 | U/P |
| 12.092 | 7.9067 | 0.0000 | 85.490 | 4.58406 | 0.00000 | 521437.7 | 102180.3 | 0.0 | U/P |
| 12.100 | 7.9194 | 0.0000 | 85.491 | 4.58452 | 0.00000 | 521675.1 | 102317.8 | 0.0 | U/P |
| 12.108 | 7.9325 | 0.0000 | 85.493 | 4.58498 | 0.00000 | 521912.8 | 102455.4 | 0.0 | U/P |
| 12.117 | 7.9460 | 0.0000 | 85.494 | 4.58545 | 0.00000 | 522151.0 | 102592.9 | 0.0 | U/P |
| 12.125 | 7.9596 | 0.0000 | 85.495 | 4.58592 | 0.00000 | 522389.6 | 102730.5 | 0.0 | U/P |
| 12.133 | 7.9729 | 0.0000 | 85.496 | 4.58639 | 0.00000 | 522628.6 | 102868.1 | 0.0 | U/P |
| 12.142 | 7.9858 | 0.0000 | 85.498 | 4.58686 | 0.00000 | 522868.0 | 103005.7 | 0.0 | U/P |
| 12.150 | 7.9983 | 0.0000 | 85.499 | 4.58733 | 0.00000 | 523107.7 | 103143.3 | 0.0 | U/P |
| 12.158 | 8.0101 | 0.0000 | 85.500 | 4.58780 | 0.00000 | 523347.8 | 103280.9 | 0.0 | U/P |
| 12.167 | 8.0212 | 0.0000 | 85.502 | 4.58828 | 0.00000 | 523588.3 | 103418.6 | 0.0 | U/P |
| 12.175 | 8.0314 | 0.0000 | 85.503 | 4.58876 | 0.00000 | 523829.1 | 103556.2 | 0.0 | U/P |
| 12.183 | 8.0406 | 0.0000 | 85.504 | 4.58923 | 0.00000 | 524070.2 | 103693.9 | 0.0 | U/P |
| 12.192 | 8.0491 | 0.0000 | 85.505 | 4.58971 | 0.00000 | 524311.6 | 103831.6 | 0.0 | U/P |
| 12.200 | 8.0569 | 0.0000 | 85.507 | 4.59020 | 0.00000 | 524553.1 | 103969.3 | 0.0 | U/P |
| 12.208 | 8.0642 | 0.0000 | 85.508 | 4.59068 | 0.00000 | 524794.9 | 104107.0 | 0.0 | U/P |
| 12.217 | 8.0710 | 0.0000 | 85.509 | 4.59116 | 0.00000 | 525037.0 | 104244.7 | 0.0 | U/P |
| 12.225 | 8.0774 | 0.0000 | 85.511 | 4.59164 | 0.00000 | 525279.2 | 104382.5 | 0.0 | U/P |
| 12.233 | 8.0834 | 0.0000 | 85.512 | 4.59213 | 0.00000 | 525521.6 | 104520.2 | 0.0 | U/P |
| 12.242 | 8.0890 | 0.0000 | 85.513 | 4.59261 | 0.00000 | 525764.2 | 104658.0 | 0.0 | U/P |
| 12.250 | 8.0943 | 0.0000 | 85.515 | 4.59310 | 0.00000 | 526006.9 | 104795.8 | 0.0 | U/P |
| 12.258 | 8.0992 | 0.0000 | 85.516 | 4.59358 | 0.00000 | 526249.9 | 104933.6 | 0.0 | U/P |
| 12.267 | 8.1039 | 0.0000 | 85.517 | 4.59407 | 0.00000 | 526492.9 | 105071.4 | 0.0 | U/P |
| 12.275 | 8.1082 | 0.0000 | 85.519 | 4.59456 | 0.00000 | 526736.1 | 105209.2 | 0.0 | U/P |
| 12.283 | 8.1124 | 0.0000 | 85.520 | 4.59505 | 0.00000 | 526979.4 | 105347.1 | 0.0 | U/P |
| 12.292 | 8.1162 | 0.0000 | 85.521 | 4.59553 | 0.00000 | 527222.8 | 105484.9 | 0.0 | U/P |
| 12.300 | 8.1199 | 0.0000 | 85.523 | 4.59602 | 0.00000 | 527466.4 | 105622.8 | 0.0 | U/P |
| 12.308 | 8.1234 | 0.0000 | 85.524 | 4.59651 | 0.00000 | 527710.0 | 105760.7 | 0.0 | U/P |
| 12.317 | 8.1267 | 0.0000 | 85.525 | 4.59700 | 0.00000 | 527953.8 | 105898.6 | 0.0 | U/P |
| 12.325 | 8.1298 | 0.0000 | 85.527 | 4.59749 | 0.00000 | 528197.6 | 106036.5 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow


PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont, d.)
:: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate (fis/s) | Overflow <br> Discharge ( $\mathrm{f} \mathrm{t}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 12.950 | 7.8395 | 0.0000 | 85.623 | 4.63286 | 0.00000 | 546252.3 | 116421.6 | 0.0 | U/P |
| 12.958 | 7.8379 | 0.0000 | 85.624 | 4.63330 | 0.00000 | 546487.5 | 116560.6 | 0.0 | U/P |
| 12.967 | 7.8364 | 0.0000 | 85.625 | 4.63374 | 0.00000 | 546722.6 | 116699.6 | 0.0 | U/P |
| 12.975 | 7.8350 | 0.0000 | 85.626 | 4.63418 | 0.00000 | 546957.7 | 116838.6 | 0.0 | U/P |
| 12.983 | 7.8336 | 0.0000 | 85.628 | 4.63462 | 0.00000 | 547192.7 | 116977.6 | 0.0 | U/P |
| 12.992 | 7.8322 | 0.0000 | 85.629 | 4.63506 | 0.00000 | 547427.7 | 117116.7 | 0.0 | U/P |
| 13.000 | 7.8310 | 0.0000 | 85.630 | 4.63550 | 0.00000 | 547662.6 | 117255.7 | 0.0 | U/P |
| 13.008 | 7.8297 | 0.0000 | 85.631 | 4.63594 | 0.00000 | 547897.6 | 117394.8 | 0.0 | U/P |
| 13.017 | 7.8264 | 0.0000 | 85.632 | 4.63638 | 0.00000 | 548132.4 | 117533.9 | 0.0 | U/P |
| 13.025 | 7.8192 | 0.0000 | 85.634 | 4.63682 | 0.00000 | 548367.1 | 117673.0 | 0.0 | U/P |
| 13.033 | 7.8067 | 0.0000 | 85.635 | 4.63726 | 0.00000 | 548601.5 | 117812.1 | 0.0 | U/P |
| 13.042 | 7.7879 | 0.0000 | 85.636 | 4.63769 | 0.00000 | 548835.4 | 117951.2 | 0.0 | U/P |
| 13.050 | 7.7606 | 0.0000 | 85.637 | 4.63812 | 0.00000 | 549068.6 | 118090.4 | 0.0 | U/P |
| 13.058 | 7.7227 | 0.0000 | 85.638 | 4.63855 | 0.00000 | 549300.9 | 118229.5 | 0.0 | U/P |
| 13.067 | 7.6725 | 0.0000 | 85.639 | 4.63898 | 0.00000 | 549531.8 | 118368.7 | 0.0 | U/P |
| 13.075 | 7.6085 | 0.0000 | 85.641 | 4.63939 | 0.00000 | 549761.0 | 118507.8 | 0.0 | U/P |
| 13.083 | 7.5323 | 0.0000 | 85.642 | 4.63980 | 0.00000 | 549988.1 | 118647.0 | 0.0 | U/P |
| 13.092 | 7.4459 | 0.0000 | 85.643 | 4.64020 | 0.00000 | 550212.8 | 118786.2 | 0.0 | U/P |
| 13.100 | 7.3514 | 0.0000 | 85.644 | 4.64058 | 0.00000 | 550434.8 | 118925.4 | 0.0 | U/P |
| 13.108 | 7.2509 | 0.0000 | 85.645 | 4.64096 | 0.00000 | 550653.8 | 119064.7 | 0.0 | U/P |
| 13.117 | 7.1477 | 0.0000 | 85.646 | 4.64132 | 0.00000 | 550869.8 | 119203.9 | 0.0 | U/P |
| 13.125 | 7.0428 | 0.0000 | 85.647 | 4.64166 | 0.00000 | 551082.6 | 119343.1 | 0.0 | U/P |
| 13.133 | 6.9379 | 0.0000 | 85.647 | 4.64199 | 0.00000 | 551292.3 | 119482.4 | 0.0 | U/P |
| 13.142 | 6.8352 | 0.0000 | 85.648 | 4.64231 | 0.00000 | 551498.9 | 119621.7 | 0.0 | U/P |
| 13.150 | 6.7356 | 0.0000 | 85.649 | 4.64261 | 0.00000 | 551702.5 | 119760.9 | 0.0 | U/P |
| 13.158 | 6.6399 | 0.0000 | 85.650 | 4.64290 | 0.00000 | 551903.1 | 119900.2 | 0.0 | U/P |
| 13.167 | 6.5488 | 0.0000 | 85.651 | 4.64317 | 0.00000 | 552100.9 | 120039.5 | 0.0 | U/P |
| 13.175 | 6.4636 | 0.0000 | 85.651 | 4.64343 | 0.00000 | 552296.1 | 120178.8 | 0.0 | U/P |
| 13.183 | 6.3857 | 0.0000 | 85.652 | 4.64368 | 0.00000 | 552488.9 | 120318.1 | 0.0 | U/P |
| 13.192 | 6.3144 | 0.0000 | 85.653 | 4.64392 | 0.00000 | 552679.4 | 120457.4 | 0.0 | U/P |
| 13.200 | 6.2490 | 0.0000 | 85.653 | 4.64415 | 0.00000 | 552867.8 | 120596.8 | 0.0 | U/P |
| 13.208 | 6.1881 | 0.0000 | 85.654 | 4.64437 | 0.00000 | 553054.4 | 120736.1 | 0.0 | U/P |
| 13.217 | 6.1314 | 0.0000 | 85.654 | 4.64458 | 0.00000 | 553239.2 | 120875.4 | 0.0 | U/P |
| 13.225 | 6.0785 | 0.0000 | 85.655 | 4.64479 | 0.00000 | 553422.3 | 121014.8 | 0.0 | U/P |
| 13.233 | 6.0290 | 0.0000 | 85.655 | 4.64499 | 0.00000 | 553603.9 | 121154.1 | 0.0 | U/P |
| 13.242 | 5.9822 | 0.0000 | 85.656 | 4.64518 | 0.00000 | 553784.1 | 121293.5 | 0.0 | U/P |
| 13.250 | 5.9384 | 0.0000 | 85.656 | 4.64536 | 0.00000 | 553962.9 | 121432.8 | 0.0 | U/P |
| 13.258 | 5.8971 | 0.0000 | 85.657 | 4.64554 | 0.00000 | 554140.4 | 121572.2 | 0.0 | U/P |
| 13.267 | 5.8585 | 0.0000 | 85.657 | 4.64571 | 0.00000 | 554316.8 | 121711.5 | 0.0 | U/P |
| 13.275 | 5.8223 | 0.0000 | 85.658 | 4.64588 | 0.00000 | 554492.0 | 121850.9 | 0.0 | U/P |
| 13.283 | 5.7881 | 0.0000 | 85.658 | 4.64604 | 0.00000 | 554666.2 | 121990.3 | 0.0 | U/P |
| 13.292 | 5.7559 | 0.0000 | 85.659 | 4.64619 | 0.00000 | 554839.3 | 122129.7 | 0.0 | U/P |
| 13.300 | 5.7254 | 0.0000 | 85.659 | 4.64635 | 0.00000 | 555011.6 | 122269.1 | 0.0 | U/P |
| 13.308 | 5.6966 | 0.0000 | 85.659 | 4.64649 | 0.00000 | 555182.9 | 122408.5 | 0.0 | U/P |
| 13.317 | 5.6694 | 0.0000 | 85.660 | 4.64664 | 0.00000 | 555353.4 | 122547.9 | 0.0 | U/P |
| 13.325 | 5.6436 | 0.0000 | 85.660 | 4.64678 | 0.00000 | 555523.1 | 122687.3 | 0.0 | U/P |
| 13.333 | 5.6192 | 0.0000 | 85.661 | 4.64692 | 0.00000 | 555692.0 | 122826.7 | 0.0 | U/P |
| 13.342 | 5.5961 | 0.0000 | 85.661 | 4.64705 | 0.00000 | 555860.3 | 122966.1 | 0.0 | U/P |
| 13.350 | 5.5741 | 0.0000 | 85.661 | 4.64718 | 0.00000 | 556027.8 | 123105.5 | 0.0 | U/P |
| 13.358 | 5.5532 | 0.0000 | 85.662 | 4.64731 | 0.00000 | 556194.7 | 123244.9 | 0.0 | U/P |
| 13.367 | 5.5333 | 0.0000 | 85.662 | 4.64743 | 0.00000 | 556361.0 | 123384.3 | 0.0 | U/P |
| 13.375 | 5.5143 | 0.0000 | 85.662 | 4.64755 | 0.00000 | 556526.7 | 123523.8 | 0.0 | U/P |
| 13.383 | 5.4962 | 0.0000 | 85.663 | 4.64767 | 0.00000 | 556691.9 | 123663.2 | 0.0 | U/P |
| 13.392 | 5.4790 | 0.0000 | 85.663 | 4.64779 | 0.00000 | 556856.5 | 123802.6 | 0.0 | U/P |
| 13.400 | 5.4625 | 0.0000 | 85.663 | 4.64790 | 0.00000 | 557020.6 | 123942.0 | 0.0 | U/P |
| 13.408 | 5.4469 | 0.0000 | 85.664 | 4.64802 | 0.00000 | 557184.3 | 124081.5 | 0.0 | U/P |
| 13.417 | 5.4319 | 0.0000 | 85.664 | 4.64812 | 0.00000 | 557347.4 | 124220.9 | 0.0 | U/P |
| 13.425 | 5.4175 | 0.0000 | 85.664 | 4.64823 | 0.00000 | 557510.2 | 124360.4 | 0.0 | U/P |
| 13.433 | 5.4038 | 0.0000 | 85.664 | 4.64834 | 0.00000 | 557672.5 | 124499.8 | 0.0 | U/P |
| 13.442 | 5.3907 | 0.0000 | 85.665 | 4.64844 | 0.00000 | 557834.4 | 124639.3 | 0.0 | U/P |
| 13.450 | 5.3781 | 0.0000 | 85.665 | 4.64854 | 0.00000 | 557995.9 | 124778.7 | 0.0 | U/P |
| 13.458 | 5.3661 | 0.0000 | 85.665 | 4.64864 | 0.00000 | 558157.1 | 124918.2 | 0.0 | U/P |
| 13.467 | 5.3545 | 0.0000 | 85.666 | 4.64874 | 0.00000 | 558317.9 | 125057.6 | 0.0 | U/P |
| 13.475 | 5.3434 | 0.0000 | 85.666 | 4.64884 | 0.00000 | 558478.4 | 125197.1 | 0.0 | U/P |
| 13.483 | 5.3327 | 0.0000 | 85.666 | 4.64893 | 0.00000 | 558638.5 | 125336.6 | 0.0 | U/P |
| 13.492 | 5.3225 | 0.0000 | 85.666 | 4.64903 | 0.00000 | 558798.4 | 125476.0 | 0.0 | U/P |
| 13.500 | 5.3127 | 0.0000 | 85.667 | 4.64912 | 0.00000 | 558957.9 | 125615.5 | 0.0 | U/P |
| 13.508 | 5.3033 | 0.0000 | 85.667 | 4.64921 | 0.00000 | 559117.1 | 125755.0 | 0.0 | U/P |
| 13.517 | 5.2942 | 0.0000 | 85.667 | 4.64930 | 0.00000 | 559276.1 | 125894.5 | 0.0 | U/P |
| 13.525 | 5.2855 | 0.0000 | 85.667 | 4.64939 | 0.00000 | 559434.8 | 126033.9 | 0.0 | U/P |
| 13.533 | 5.2769 | 0.0000 | 85.668 | 4.64948 | 0.00000 | 559593.2 | $\uparrow 26173.4$ | 0.0 | U/P |
| 13.542 | 5.2684 | 0.0000 | 85.668 | 4.64956 | 0.00000 | 559751.4 | 126312.9 | 0.0 | U/P |
| 13.550 | 5.2601 | 0.0000 | 85.668 | 4.64965 | 0.00000 | 559909.3 | 126452.4 | 0.0 | U/P |
| 13.558 | 5.2517 | 0.0000 | 85.668 | 4.64973 | 0.00000 | 560067.0 | 126591.9 | 0.0 | U/P |

# PONDS Version 3.2.0207 <br> Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E. 

Detailed Results (cont,d.)
:: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overfow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | $\begin{gathered} \text { Cumulative } \\ \text { infiow } \\ \text { volume ( } \mathrm{ft}^{3} \text { ) } \end{gathered}$ | Cumulative Infiltration Volume $\left\langle\mathrm{ft}^{3}\right.$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 13.567 | 5.2433 | 0.0000 | 85.668 | 4.64981 | 0.00000 | 560224.4 | 126731.4 | 0.0 | U/P |
| 13.575 | 5.2346 | 0.0000 | 85.669 | 4.64990 | 0.00000 | 560381.6 | 126870.9 | 0.0 | U/P |
| 13.583 | 5.2257 | 0.0000 | 85.669 | 4.64998 | 0.00000 | 560538.5 | 127010.4 | 0.0 | U/P |
| 13.592 | 5.2166 | 0.0000 | 85.669 | 4.65006 | 0.00000 | 560695.1 | 127149.9 | 0.0 | U/P |
| 13.600 | 5.2075 | 0.0000 | 85.669 | 4.65013 | 0.00000 | 560851.5 | 127289.4 | 0.0 | U/P |
| 13.608 | 5.1983 | 0.0000 | 85.669 | 4.65021 | 0.00000 | 561007.6 | 127428.9 | 0.0 | U/P |
| 13.617 | 5.1892 | 0.0000 | 85.670 | 4.65028 | 0.00000 | 561163.4 | 127568.4 | 0.0 | U/P |
| 13.625 | 5.1802 | 0.0000 | 85.670 | 4.65036 | 0.00000 | 561318.9 | 127707.9 | 0.0 | U/P |
| 13.633 | 5.1714 | 0.0000 | 85.670 | 4.65043 | 0.00000 | 561474.2 | 127847.4 | 0.0 | U/P |
| 13.642 | 5.1628 | 0.0000 | 85.670 | 4.65050 | 0.00000 | 561629.2 | 127986.9 | 0.0 | U/P |
| 13.650 | 5.1544 | 0.0000 | 85.670 | 4.65057 | 0.00000 | 561783.9 | 128126.5 | 0.0 | U/P |
| 13.658 | 5.1464 | 0.0000 | 85.671 | 4.65064 | 0.00000 | 561938.5 | 128266.0 | 0.0 | U/P |
| \$3.667 | 5.1387 | 0.0000 | 85.671 | 4.65071 | 0.00000 | 562092.8 | 128405.5 | 0.0 | U/P |
| 13.675 | 5.1314 | 0.0000 | 85.671 | 4.65078 | 0.00000 | 562246.8 | 128545.0 | 0.0 | U/P |
| 13.683 | 5.1244 | 0.0000 | 85.671 | 4.65084 | 0.00000 | 562400.6 | 128684.5 | 0.0 | U/P |
| 13.692 | 5.1179 | 0.0000 | 85.671 | 4.65091 | 0.00000 | 562554.3 | 128824.1 | 0.0 | U/P |
| 13.700 | 5.1117 | 0.0000 | 85.672 | 4.65097 | 0.00000 | 562707.8 | 128963.6 | 0.0 | U/P |
| 13.708 | 5.1058 | 0.0000 | 85.672 | 4.65104 | 0.00000 | 562861.0 | 129103.1 | 0.0 | U/P |
| 13.717 | 5.1002 | 0.0000 | 85.672 | 4.65110 | 0.00000 | 563014.1 | 129242.6 | 0.0 | U/P |
| 13.725 | 5.0948 | 0.0000 | 85.672 | 4.65116 | 0.00000 | 563167.0 | 129382.2 | 0.0 | U/P |
| 13.733 | 5.0898 | 0.0000 | 85.672 | 4.65122 | 0.00000 | 563319.8 | 129521.7 | 0.0 | U/P |
| 13.742 | 5.0849 | 0.0000 | 85.672 | 4.65128 | 0.00000 | 563472.4 | 129661.3 | 0.0 | U/P |
| 13.750 | 5.0802 | 0.0000 | 85.673 | 4.65134 | 0.00000 | 563624.9 | 129800.8 | 0.0 | U/P |
| 13.758 | 5.0758 | 0.0000 | 85.673 | 4.65140 | 0.00000 | 563777.2 | 129940.3 | 0.0 | U/P |
| 13.767 | 5.0715 | 0.0000 | 85.673 | 4.65146 | 0.00000 | 563929.4 | 130079.9 | 0.0 | U/P |
| 13.775 | 5.0674 | 0.0000 | 85.673 | 4.65151 | 0.00000 | 564081.5 | 130219.4 | 0.0 | U/P |
| 13.783 | 5.0635 | 0.0000 | 85.673 | 4.65157 | 0.00000 | 564233.4 | 130359.0 | 0.0 | U/P |
| 13.792 | 5.0597 | 0.0000 | 85.673 | 4.65163 | 0.00000 | 564385.3 | 130498.5 | 0.0 | U/P |
| 13.800 | 5.0561 | 0.0000 | 85.673 | 4.65168 | 0.00000 | 564537.1 | 130638.1 | 0.0 | U/P |
| 13.808 | 5.0527 | 0.0000 | 85.674 | 4.65174 | 0.00000 | 564688.7 | 130777.6 | 0.0 | U/P |
| 13.817 | 5.0494 | 0.0000 | 85.674 | 4.65179 | 0.00000 | 564840.2 | 130917.2 | 0.0 | U/P |
| 13.825 | 5.0462 | 0.0000 | 85.674 | 4.65185 | 0.00000 | 564991.6 | 131056.7 | 0.0 | U/P |
| 13.833 | 5.0431 | 0.0000 | 85.674 | 4.65190 | 0.00000 | 565143.0 | 131196.3 | 0.0 | U/P |
| 13.842 | 5.0402 | 0.0000 | 85.674 | 4.65196 | 0.00000 | 565294.3 | 131335.8 | 0.0 | U/P |
| 13.850 | 5.0373 | 0.0000 | 85.674 | 4.65201 | 0.00000 | 565445.4 | 131475.4 | 0.0 | U/P |
| 13.858 | 5.0346 | 0.0000 | 85.675 | 4.65206 | 0.00000 | 565596.5 | 131615.0 | 0.0 | U/P |
| 13.867 | 5.0320 | 0.0000 | 85.675 | 4.65212 | 0.00000 | 565747.5 | 131754.5 | 0.0 | U/P |
| 13.875 | 5.0295 | 0.0000 | 85.675 | 4.65217 | 0.00000 | 565898.4 | 131894.1 | 0.0 | U/P |
| 13.883 | 5.0271 | 0.0000 | 85.675 | 4.65222 | 0.00000 | 566049.3 | 132033.7 | 0.0 | U/P |
| 13.892 | 5.0247 | 0.0000 | 85.675 | 4.65227 | 0.00000 | 566200.0 | 132173.2 | 0.0 | U/P |
| 13.900 | 5.0225 | 0.0000 | 85.675 | 4.65232 | 0.00000 | 566350.8 | 132312.8 | 0.0 | U/P |
| 13.908 | 5.0203 | 0.0000 | 85.675 | 4.65237 | 0.00000 | 566501.4 | 132452.4 | 0.0 | U/P |
| 13.917 | 5.0182 | 0.0000 | 85.675 | 4.65242 | 0.00000 | 566651.9 | 132591.9 | 0.0 | U/P |
| 13.925 | 5.0162 | 0.0000 | 85.676 | 4.65247 | 0.00000 | 566802.4 | 132731.5 | 0.0 | U/P |
| 13.933 | 5.0142 | 0.0000 | 85.676 | 4.65252 | 0.00000 | 566952.9 | 132871.1 | 0.0 | U/P |
| 13.942 | 5.0124 | 0.0000 | 85.676 | 4.65257 | 0.00000 | 567103.3 | 133010.7 | 0.0 | U/P |
| 13.950 | 5.0106 | 0.0000 | 85.676 | 4.65262 | 0.00000 | 567253.7 | 133150.2 | 0.0 | U/P |
| 13.958 | 5.0088 | 0.0000 | 85.676 | 4.65267 | 0.00000 | 567403.9 | 133289.8 | 0.0 | U/P |
| 13.967 | 5.0071 | 0.0000 | 85.676 | 4.65272 | 0.00000 | 567554.2 | 133429.4 | 0.0 | U/P |
| 13.975 | 5.0055 | 0.0000 | 85.676 | 4.65277 | 0.00000 | 567704.4 | 133569.0 | 0.0 | U/P |
| 13.983 | 5.0039 | 0.0000 | 85.677 | 4.65282 | 0.00000 | 567854.5 | 133708.6 | 0.0 | U/P |
| 13.992 | 5.0024 | 0.0000 | 85.677 | 4.65286 | 0.00000 | 568004.6 | 133848.2 | 0.0 | U/P |
| 14.000 | 4.9983 | 0.0000 | 85.677 | 4.65291 | 0.00000 | 568154.6 | 133987.7 | 0.0 | U/P |
| 14.008 | 4.9890 | 0.0000 | 85.677 | 4.65296 | 0.00000 | 568304.4 | 134127.3 | 0.0 | U/P |
| 14.017 | 4.9725 | 0.0000 | 85.677 | 4.65301 | 0.00000 | 568453.9 | 134266.9 | 0.0 | U/P |
| 14.025 | 4.9474 | 0.0000 | 85.677 | 4.65305 | 0.00000 | 568602.7 | 134406.5 | 0.0 | U/P |
| 14.033 | 4.9108 | 0.0000 | 85.677 | 4.65309 | 0.00000 | 568750.6 | 134546.1 | 0.0 | U/P |
| 14.042 | 4.8599 | 0.0000 | 85.677 | 4.65312 | 0.00000 | 568897.1 | 134685.7 | 0.0 | U/P |
| 14.050 | 4.7922 | 0.0000 | 85.677 | 4.65315 | 0.00000 | 569041.9 | 134825.3 | 0.0 | U/P |
| 14.058 | 4.7056 | 0.0000 | 85.677 | 4.65317 | 0.00000 | 569184.3 | 134964.9 | 0.0 | U/P |
| 14.067 | 4.6022 | 0.0000 | 85.677 | 4.65318 | 0.00000 | 569323.9 | 135104.5 | 0.0 | U/P |
| 14.075 | 4.4848 | 0.0000 | 85.677 | 4.65317 | 0.00000 | 569460.3 | 135244.1 | 0.0 | U/P |
| 14.083 | 4.3564 | 0.0000 | 85.677 | 4.65315 | 0.00000 | 569592.9 | 135383.7 | 0.0 | U/P |
| 14.092 | 4.2198 | 0.0000 | 85.677 | 4.65310 | 0.00000 | 569721.5 | 135523.3 | 0.0 | U/P |
| 14.100 | 4.0797 | 0.0000 | 85.677 | 4.65305 | 0.00000 | 569846.0 | 135662.8 | 0.0 | U/P |
| 14.108 | 3.9375 | 0.0000 | 85.677 | 4.65297 | 0.00000 | 569966.3 | 135802.4 | 0.0 | U/P |
| 14.117 | 3.7954 | 0.0000 | 85.676 | 4.65287 | 0.00000 | 570082.3 | 135942.0 | 0.0 | U/P |
| 14.125 | 3.6567 | 0.0000 | 85.676 | 4.65275 | 0.00000 | 570194.1 | 136081.6 | 0.0 | U/P |
| 14.133 | 3.5226 | 0.0000 | 85.676 | 4.65261 | 0.00000 | 570301.8 | 136221.2 | 0.0 | U/P |
| 14.142 | 3.3940 | 0.0000 | 85.675 | 4.65246 | 0.00000 | 570405.5 | 136360.8 | 0.0 | U/P |
| 14.150 | 3.2721 | 0.0000 | 85.675 | 4.65229 | 0.00000 | 570505.5 | 136500.3 | 0.0 | U/P |
| 14.158 | 3.1583 | 0.0000 | 85.674 | 4.65210 | 0.00000 | 570601.9 | 136639.9 | 0.0 | U/P |
| 14.167 | 3.0548 | 0.0000 | 85.674 | 4.65189 | 0.00000 | 570695.1 | 136779.5 | 0.0 | U/P |
| 14.175 | 2.9607 | 0.0000 | 85.673 | 4.65168 | 0.00000 | 570785.4 | 136919.0 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (f/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 14.183 | 2.8749 | 0.0000 | 85.672 | 4.65144 | 0.00000 | 570872.9 | 137058.6 | 0.0 | U/P |
| 14.192 | 2.7955 | 0.0000 | 85.672 | 4.65120 | 0.00000 | 570957.9 | 137198.1 | 0.0 | U/P |
| 14.200 | 2.7219 | 0.0000 | 85.671 | 4.65095 | 0.00000 | 571040.7 | 137337.6 | 0.0 | U/P |
| 14.208 | 2.6536 | 0.0000 | 85.670 | 4.65068 | 0.00000 | 571121.4 | 137477.2 | 0.0 | U/P |
| 14.217 | 2.5899 | 0.0000 | 85.670 | 4.65041 | 0.00000 | 571200.0 | 137616.7 | 0.0 | U/P |
| 14.225 | 2.5300 | 0.0000 | 85.669 | 4.65013 | 0.00000 | 571276.8 | 137756.2 | 0.0 | U/P |
| 14.233 | 2.4741 | 0.0000 | 85,668 | 4.64983 | 0.00000 | 571351.9 | 137895.7 | 0.0 | U/P |
| 14.242 | 2.4217 | 0.0000 | 85.667 | 4.64954 | 0.00000 | 571425.3 | 138035.2 | 0.0 | U/P |
| 14.250 | 2.3727 | 0.0000 | 85.666 | 4.64923 | 0.00000 | 571497.2 | 138174.7 | 0.0 | U/P |
| 14.258 | 2.3271 | 0.0000 | 85.665 | 4.64892 | 0.00000 | 571567.7 | 138314.1 | 0.0 | U/P |
| 14.267 | 2.2841 | 0.0000 | 85.665 | 4.64860 | 0.00000 | 571636.9 | 138453.6 | 0.0 | U/P |
| 14.275 | 2.2436 | 0.0000 | 85.664 | 4.64828 | 0.00000 | 571704.8 | 138593.0 | 0.0 | U/P |
| 14.283 | 2.2055 | 0.0000 | 85.663 | 4.64794 | 0.00000 | 571771.5 | 138732.5 | 0.0 | U/P |
| 14.292 | 2.1695 | 0.0000 | 85.662 | 4.64761 | 0.00000 | 571837.1 | 138871.9 | 0.0 | U/P |
| 14.300 | 2.1356 | 0.0000 | 85.661 | 4.64727 | 0.00000 | 571901.8 | 139011.3 | 0.0 | U/P |
| 14.308 | 2.1036 | 0.0000 | 85.660 | 4.64692 | 0.00000 | 571965.3 | 139150.8 | 0.0 | U/P |
| 14.317 | 2.0732 | 0.0000 | 85.659 | 4.64658 | 0.00000 | 572027.9 | 139290.2 | 0.0 | U/P |
| 14.325 | 2.0446 | 0.0000 | 85.658 | 4.64622 | 0.00000 | 572089.8 | 139429.6 | 0.0 | U/P |
| 14.333 | 2.0173 | 0.0000 | 85.657 | 4.64587 | 0.00000 | 572150.7 | 139568.9 | 0.0 | U/P |
| 14.342 | 1.9914 | 0.0000 | 85.656 | 4.64550 | 0.00000 | 572210.8 | 139708.3 | 0.0 | U/P |
| 14.350 | 1.9667 | 0.0000 | 85.655 | 4.64514 | 0.00000 | 572270.2 | 139847.7 | 0.0 | U/P |
| 14.358 | 1.9432 | 0.0000 | 85.654 | 4.64477 | 0.00000 | 572328.8 | 139987.0 | 0.0 | U/P |
| 14.367 | 1.9208 | 0.0000 | 85.653 | 4.64440 | 0.00000 | 572386.8 | 140126.4 | 0.0 | U/P |
| 14.375 | 1.8994 | 0.0000 | 85.652 | 4.64403 | 0.00000 | 572444.1 | 140265.7 | 0.0 | U/P |
| 14.383 | 1.8790 | 0.0000 | 85.651 | 4.64365 | 0.00000 | 572500.8 | 140405.0 | 0.0 | U/P |
| 14.392 | 1.8595 | 0.0000 | 85.650 | 4.64327 | 0.00000 | 572556.8 | 140544.3 | 0.0 | U/P |
| 14.400 | 1.8408 | 0.0000 | 85.649 | 4.64289 | 0.00000 | 572612.3 | 140683.6 | 0.0 | U/P |
| 14.408 | 1.8229 | 0.0000 | 85.648 | 4.64250 | 0.00000 | 572667.3 | 140822.9 | 0.0 | U/P |
| 14.417 | 1.8057 | 0.0000 | 85.647 | 4.64212 | 0.00000 | 572721.8 | 140962.1 | 0.0 | U/P |
| 14.425 | 1.7893 | 0.0000 | 85.646 | 4.64173 | 0.00000 | 572775.6 | 141101.4 | 0.0 | U/P |
| 14.433 | 1.7735 | 0.0000 | 85.645 | 4.64133 | 0.00000 | 572829.1 | 141240.6 | 0.0 | U/P |
| 14.442 | 1.7583 | 0.0000 | 85.644 | 4.64094 | 0.00000 | 572882.1 | 141379.9 | 0.0 | U/P |
| 14.450 | 1.7436 | 0.0000 | 85.643 | 4.64054 | 0.00000 | 572934.6 | 141519.1 | 0.0 | U/P |
| 14.458 | 1.7295 | 0.0000 | 85.641 | 4.64014 | 0.00000 | 572986.7 | 141658.3 | 0.0 | U/P |
| 14.467 | 1.7159 | 0.0000 | 85.640 | 4.63974 | 0.00000 | 573038.4 | 141797.5 | 0.0 | U/P |
| 14.475 | 1.7028 | 0.0000 | 85.639 | 4.63934 | 0.00000 | 573089.6 | 141936.7 | 0.0 | U/P |
| 14.483 | 1.6902 | 0.0000 | 85.638 | 4.63894 | 0.00000 | 573140.6 | 142075.9 | 0.0 | U/P |
| 14.492 | 1.6780 | 0.0000 | 85.637 | 4.63853 | 0.00000 | 573191.1 | 142215.0 | 0.0 | U/P |
| 14.500 | 1.6664 | 0.0000 | 85.636 | 4.63813 | 0.00000 | 573241.3 | 142354.2 | 0.0 | U/P |
| 14.508 | 1.6551 | 0.0000 | 85.635 | 4.63772 | 0.00000 | 573291.1 | 142493.3 | 0.0 | U/P |
| 14.517 | 1.6443 | 0.0000 | 85.634 | 4.63731 | 0.00000 | 573340.6 | 142632.4 | 0.0 | U/P |
| 14.525 | 1.6339 | 0.0000 | 85.633 | 4.63690 | 0.00000 | 573389.7 | 142771.6 | 0.0 | U/P |
| 14.533 | 1.6239 | 0.0000 | 85.631 | 4.63648 | 0.00000 | 573438.6 | 142910.7 | 0.0 | U/P |
| 14.542 | 1.6143 | 0.0000 | 85.630 | 4.63607 | 0.00000 | 573487.2 | 143049.8 | 0.0 | U/P |
| 14.550 | 1.6051 | 0.0000 | 85.629 | 4.63565 | 0.00000 | 573535.4 | 143188.8 | 0.0 | U/P |
| 14.558 | 1.5961 | 0.0000 | 85.628 | 4.63523 | 0.00000 | 573583.4 | 143327.9 | 0.0 | U/P |
| 14.567 | 1.5874 | 0.0000 | 85.627 | 4.63482 | 0.00000 | 573631.2 | 143466.9 | 0.0 | U/P |
| 14.575 | 1.5790 | 0.0000 | 85.626 | 4.63440 | 0.00000 | 573678.7 | 143606.0 | 0.0 | U/P |
| 14.583 | 1.5708 | 0.0000 | 85.625 | 4.63398 | 0.00000 | 573725.9 | 143745.0 | 0.0 | U/P |
| 14.592 | 1.5629 | 0.0000 | 85.623 | 4.63355 | 0.00000 | 573772.9 | 143884.0 | 0.0 | U/P |
| 14.600 | 1.5552 | 0.0000 | 85.622 | 4.63313 | 0.00000 | 573819.8 | 144023.0 | 0.0 | U/P |
| 14.608 | 1.5477 | 0.0000 | 85.621 | 4.63271 | 0.00000 | 573866.3 | 144162.0 | 0.0 | U/P |
| 14.617 | 1.5404 | 0.0000 | 85.620 | 4.63228 | 0.00000 | 573912.6 | 144301.0 | 0.0 | U/P |
| 14.625 | 1.5334 | 0.0000 | 85.619 | 4.63186 | 0.00000 | 573958.7 | 144439.9 | 0.0 | U/P |
| 14.633 | 1.5266 | 0.0000 | 85.618 | 4.63143 | 0.00000 | 574004.6 | 144578.9 | 0.0 | U/P |
| 14.642 | 1.5199 | 0.0000 | 85.617 | 4.63100 | 0.00000 | 574050.3 | 144717.8 | 0.0 | U/P |
| 14.650 | $\uparrow .5135$ | 0.0000 | 85.615 | 4.63057 | 0.00000 | 574095.8 | 144856.8 | 0.0 | U/P |
| 14.658 | 1.5072 | 0.0000 | 85.614 | 4.63014 | 0.00000 | 574141.1 | 144995.7 | 0.0 | U/P |
| 14.667 | 1.5011 | 0.0000 | 85.613 | 4.62971 | 0.00000 | 574186.3 | 145134.6 | 0.0 | U/P |
| 14.675 | 1.4952 | 0.0000 | 85.612 | 4.62928 | 0.00000 | 574231.2 | 145273.4 | 0.0 | U/P |
| 14.683 | 1.4895 | 0.0000 | 85.611 | 4.62885 | 0.00000 | 574275.9 | 145412.3 | 0.0 | U/P |
| 14.692 | 1.4839 | 0.0000 | 85.610 | 4.62842 | 0.00000 | 574320.6 | 145551.2 | 0.0 | U/P |
| 14.700 | 1.4785 | 0.0000 | 85.608 | 4.62799 | 0.00000 | 574365.0 | 145690.0 | 0.0 | U/P |
| 14.708 | 1.4733 | 0.0000 | 85.607 | 4.62755 | 0.00000 | 574409.3 | 145828.8 | 0.0 | U/P |
| 14.717 | 1.4682 | 0.0000 | 85.606 | 4.62712 | 0.00000 | 574453.4 | 145967.7 | 0.0 | U/P |
| 14.725 | 1.4632 | 0.0000 | 85.605 | 4.62668 | 0.00000 | 574497.4 | 146106.5 | 0.0 | U/P |
| 14.733 | 1.4584 | 0.0000 | 85.604 | 4.62624 | 0.00000 | 574541.2 | 146245.3 | 0.0 | U/P |
| 14.742 | 1.4537 | 0.0000 | 85.602 | 4.62581 | 0.00000 | 574584.9 | 146384.0 | 0.0 | U/P |
| 14.750 | 1.4491 | 0.0000 | 85.601 | 4.62537 | 0.00000 | 574628.4 | 146522.8 | 0.0 | U/P |
| 14.758 | 1.4447 | 0.0000 | 85.600 | 4.62493 | 0.00000 | 574671.8 | 146661.6 | 0.0 | U/P |
| 14.767 | 1.4404 | 0.0000 | 85.599 | 4.62449 | 0.00000 | 574715.1 | 146800.3 | 0.0 | U/P |
| 14.775 | 1.4362 | 0.0000 | 85.598 | 4.62405 | 0.00000 | 574758.3 | 146939.0 | 0.0 | U/P |
| 14.783 | 1.4321 | 0.0000 | 85.596 | 4.62361 | 0.00000 | 574801.3 | 147077.8 | 0.0 | U/P |
| 14.792 | 1.4282 | 0.0000 | 85.595 | 4.62317 | 0.00000 | 574844.2 | 147216.5 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (f/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3 / 3} \mathrm{~s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 14.800 | 1.4243 | 0.0000 | 85.594 | 4.62273 | 0.00000 | 574886.9 | 147355.2 | 0.0 | U/P |
| 14.808 | 1.4206 | 0.0000 | 85.593 | 4.62229 | 0.00000 | 574929.6 | 147493.8 | 0.0 | U/P |
| 14.817 | 1.4169 | 0.0000 | 85.592 | 4.62185 | 0.00000 | 574972.2 | 147632.5 | 0.0 | U/P |
| 14.825 | 1.4134 | 0.0000 | 85.590 | 4.62141 | 0.00000 | 575014.6 | 147771.1 | 0.0 | U/P |
| 14.833 | 1.4100 | 0.0000 | 85.589 | 4.62096 | 0.00000 | 575057.0 | 147909.8 | 0.0 | U/P |
| 14.842 | 1.4066 | 0.0000 | 85.588 | 4.62052 | 0.00000 | 575099.3 | 148048.4 | 0.0 | U/P |
| 14.850 | 1.4034 | 0.0000 | 85.587 | 4.62008 | 0.00000 | 575141.4 | 148187.0 | 0.0 | U/P |
| 14.858 | 1.4003 | 0.0000 | 85.586 | 4.61963 | 0.00000 | 575183.4 | 148325.6 | 0.0 | U/P |
| 14.867 | 1.3972 | 0.0000 | 85.584 | 4.61919 | 0.00000 | 575225.4 | 148464.2 | 0.0 | U/P |
| 14.875 | 1.3942 | 0.0000 | 85.583 | 4.61874 | 0.00000 | 575267.3 | 148602.8 | 0.0 | U/P |
| 14.883 | 1.3914 | 0.0000 | 85.582 | 4.61830 | 0.00000 | 575309.1 | 148741.3 | 0.0 | U/P |
| 14.892 | 1.3886 | 0.0000 | 85.581 | 4.61785 | 0.00000 | 575350.8 | 148879.8 | 0.0 | U/P |
| 14.900 | 1.3859 | 0.0000 | 85.580 | 4.61741 | 0.00000 | 575392.4 | 149018.4 | 0.0 | U/P |
| 14.908 | 1.3832 | 0.0000 | 85.578 | 4.61696 | 0.00000 | 575433.9 | 149156.9 | 0.0 | U/P |
| 14.917 | 1.3807 | 0.0000 | 85.577 | 4.61651 | 0.00000 | 575475.4 | 149295.4 | 0.0 | U/P |
| 14.925 | 1.3782 | 0.0000 | 85.576 | 4.61606 | 0.00000 | 575516.8 | 149433.9 | 0.0 | U/P |
| 14.933 | 1.3758 | 0.0000 | 85.575 | 4.61562 | 0.00000 | 575558.1 | 149572.4 | 0.0 | U/P |
| 14.942 | 1.3735 | 0.0000 | 85.573 | 4.61517 | 0.00000 | 575599.3 | 149710.8 | 0.0 | U/P |
| 14.950 | 1.3712 | 0.0000 | 85.572 | 4.61472 | 0.00000 | 575640.5 | 149849.3 | 0.0 | U/P |
| 14.958 | 1.3690 | 0.0000 | 85.571 | 4.61427 | 0.00000 | 575681.6 | 149987.7 | 0.0 | U/P |
| 14.967 | 1.3669 | 0.0000 | 85.570 | 4.61382 | 0.00000 | 575722.6 | 150126.1 | 0.0 | U/P |
| 14.975 | 1.3649 | 0.0000 | 85.569 | 4.61338 | 0.00000 | 575763.6 | 150264.5 | 0.0 | U/P |
| 14.983 | 1.3629 | 0.0000 | 85.567 | 4.61293 | 0.00000 | 575804.5 | 150402.9 | 0.0 | U/P |
| 14.992 | 1.3611 | 0.0000 | 85.566 | 4.61248 | 0.00000 | 575845.4 | 150541.3 | 0.0 | U/P |
| 15.000 | 1.3592 | 0.0000 | 85.565 | 4.61203 | 0.00000 | 575886.2 | 150679.7 | 0.0 | U/P |
| 15.008 | 1.3575 | 0.0000 | 85.564 | 4.61158 | 0.00000 | 575926.9 | 150818.0 | 0.0 | U/P |
| 15.017 | 1.3558 | 0.0000 | 85.562 | 4.61113 | 0.00000 | 575967.6 | 150956.4 | 0.0 | U/P |
| 15.025 | 1.3542 | 0.0000 | 85.561 | 4.61068 | 0.00000 | 576008.3 | 151094.7 | 0.0 | U/P |
| 15.033 | 1.3526 | 0.0000 | 85.560 | 4.61023 | 0.00000 | 576048.9 | 151233.0 | 0.0 | U/P |
| 15.042 | 1.3512 | 0.0000 | 85.559 | 4.60977 | 0.00000 | 576089.4 | 151371.3 | 0.0 | U/P |
| 15.050 | 1.3497 | 0.0000 | 85.558 | 4.60932 | 0.00000 | 576129.9 | 151509.6 | 0.0 | U/P |
| 15.058 | 1.3484 | 0.0000 | 85.556 | 4.60887 | 0.00000 | 576170.4 | 151647.9 | 0.0 | U/P |
| 15.067 | 1.3472 | 0.0000 | 85.555 | 4.60842 | 0.00000 | 576210.9 | 151786.1 | 0.0 | U/P |
| 15.075 | \$.3460 | 0.0000 | 85.554 | 4.60797 | 0.00000 | 576251.3 | 151924.4 | 0.0 | U/P |
| 15.083 | 1.3449 | 0.0000 | 85.553 | 4.60752 | 0.00000 | 576291.6 | 152062.6 | 0.0 | U/P |
| 15.092 | 1.3438 | 0.0000 | 85.551 | 4.60707 | 0.00000 | 576331.9 | 152200.8 | 0.0 | U/P |
| 15.100 | 1.3429 | 0.0000 | 85.550 | 4.60661 | 0.00000 | 576372.3 | 152339.0 | 0.0 | U/P |
| 15.108 | 1.3420 | 0.0000 | 85.549 | 4.60616 | 0.00000 | 576412.5 | 152477.2 | 0.0 | U/P |
| 15.117 | 1.3413 | 0.0000 | 85.548 | 4.60571 | 0.00000 | 576452.8 | 152615.4 | 0.0 | U/P |
| 15.125 | 1.3406 | 0.0000 | 85.546 | 4.60526 | 0.00000 | 576493.0 | 152753.6 | 0.0 | U/P |
| 15.133 | 1.3401 | 0.0000 | 85.545 | 4.60481 | 0.00000 | 576533.2 | 152891.7 | 0.0 | U/P |
| 15.142 | 1.3397 | 0.0000 | 85.544 | 4.60435 | 0.00000 | 576573.4 | 153029.9 | 0.0 | U/P |
| 15.150 | 1.3395 | 0.0000 | 85.543 | 4.60390 | 0.00000 | 576613.6 | 153168.0 | 0.0 | U/P |
| 15.158 | 1.3396 | 0.0000 | 85.542 | 4.60345 | 0.00000 | 576653.8 | 153306.1 | 0.0 | U/P |
| 15.167 | 1.3396 | 0.0000 | 85.540 | 4.60300 | 0.00000 | 576694.0 | 153444.2 | 0.0 | U/P |
| 15.175 | 1.3396 | 0.0000 | 85.539 | 4.60254 | 0.00000 | 576734.2 | 153582.3 | 0.0 | U/P |
| 15.183 | 1.3396 | 0.0000 | 85.538 | 4.60209 | 0.00000 | 576774.4 | 153720.3 | 0.0 | U/P |
| 15.192 | 1.3396 | 0.0000 | 85.537 | 4.60164 | 0.00000 | 576814.6 | 153858.4 | 0.0 | U/P |
| 15.200 | 1.3396 | 0.0000 | 85.535 | 4.60119 | 0.00000 | 576854.8 | 153996.4 | 0.0 | U/P |
| 15.208 | 1.3396 | 0.0000 | 85.534 | 4.60073 | 0.00000 | 576894.9 | 154134.5 | 0.0 | U/P |
| 15.217 | 1.3396 | 0.0000 | 85.533 | 4.60028 | 0.00000 | 576935.1 | 154272.5 | 0.0 | U/P |
| 15.225 | 1.3396 | 0.0000 | 85.532 | 4.59983 | 0.00000 | 576975.3 | 154410.5 | 0.0 | U/P |
| \$5.233 | 1.3396 | 0.0000 | 85.530 | 4.59938 | 0.00000 | 577015.5 | 154548.5 | 0.0 | U/P |
| 15.242 | 1.3396 | 0.0000 | 85.529 | 4.59893 | 0.00000 | 577055.7 | 154686.4 | 0.0 | U/P |
| 15.250 | 1.3396 | 0.0000 | 85.528 | 4.59847 | 0.00000 | 577095.9 | 154824.4 | 0.0 | U/P |
| 15.258 | 1.3396 | 0.0000 | 85.527 | 4.59802 | 0.00000 | 577136.1 | 154962.4 | 0.0 | U/P |
| 15.267 | 1.3396 | 0.0000 | 85.526 | 4.59757 | 0.00000 | 577176.3 | 155100.3 | 0.0 | U/P |
| 15.275 | 1.3396 | 0.0000 | 85.524 | 4.59712 | 0.00000 | 577216.4 | 155238.2 | 0.0 | U/P |
| 15.283 | 1.3396 | 0.0000 | 85.523 | 4.59666 | 0.00000 | 577256.6 | 155376.1 | 0.0 | U/P |
| 15.292 | 1.3396 | 0.0000 | 85.522 | 4.59621 | 0.00000 | 577296.8 | 155514.0 | 0.0 | U/P |
| 15.300 | 1.3396 | 0.0000 | 85.521 | 4.59576 | 0.00000 | 577337.0 | 155651.9 | 0.0 | U/P |
| 15.308 | 1.3396 | 0.0000 | 85.519 | 4.59531 | 0.00000 | 577377.2 | 155789.8 | 0.0 | U/P |
| 15.317 | 1.3396 | 0.0000 | 85.518 | 4.59486 | 0.00000 | 577417.4 | 155927.6 | 0.0 | U/P |
| 15.325 | 1.3396 | 0.0000 | 85.517 | 4.59441 | 0.00000 | 577457.6 | 156065.4 | 0.0 | U/P |
| 15.333 | 1.3396 | 0.0000 | 85.516 | 4.59395 | 0.00000 | 577497.8 | 156203.3 | 0.0 | U/P |
| 15.342 | 1.3396 | 0.0000 | 85.514 | 4.59350 | 0.00000 | 577537.9 | 156341.1 | 0.0 | U/P |
| 15.350 | 1.3396 | 0.0000 | 85.513 | 4.59305 | 0.00000 | 577578.1 | 156478.9 | 0.0 | U/P |
| 15.358 | 1.3396 | 0.0000 | 85.512 | 4.59260 | 0.00000 | 577618.3 | 156616.7 | 0.0 | U/P |
| 15.367 | 1.3396 | 0.0000 | 85.511 | 4.59215 | 0.00000 | 577658.5 | 156754.4 | 0.0 | U/P |
| 15.375 | 1.3396 | 0.0000 | 85.510 | 4.59169 | 0.00000 | 577698.7 | 156892.2 | 0.0 | U/P |
| 15.383 | 1.3396 | 0.0000 | 85.508 | 4.59124 | 0.00000 | 577738.9 | 157029.9 | 0.0 | U/P |
| 15.392 | 1.3386 | 0.0000 | 85.507 | 4.59079 | 0.00000 | 577779.1 | 157167.7 | 0.0 | U/P |
| 15.400 | 1.3396 | 0.0000 | 85.506 | 4.59034 | 0.00000 | 577819.3 | 157305.4 | 0.0 | U/P |
| 15.408 | 1.3396 | 0.0000 | 85.505 | 4.58989 | 0.00000 | 577859.4 | 157443.1 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge (ft ${ }^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{fl}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 15.417 | 1.3396 | 0.0000 | 85.503 | 4.58943 | 0.00000 | 577899.6 | 157580.8 | 0.0 | U/P |
| 15.425 | 1.3396 | 0.0000 | 85.502 | 4.58898 | 0.00000 | 577939.8 | 157718.5 | 0.0 | U/P |
| 15.433 | 1.3396 | 0.0000 | 85.501 | 4.58853 | 0.00000 | 577980.0 | 157856.1 | 0.0 | U/P |
| 15.442 | 1.3396 | 0.0000 | 85.500 | 4.58808 | 0.00000 | 578020.2 | 157993.8 | 0.0 | U/P |
| 15.450 | 1.3396 | 0.0000 | 85.498 | 4.58763 | 0.00000 | 578060.4 | 158131.4 | 0.0 | U/P |
| 15.458 | 1.3396 | 0.0000 | 85.497 | 4.58718 | 0.00000 | 578100.6 | 158269.0 | 0.0 | U/P |
| 15.467 | 1.3396 | 0.0000 | 85.496 | 4.58672 | 0.00000 | 578140.8 | 158406.6 | 0.0 | U/P |
| 15.475 | 1.3396 | 0.0000 | 85.495 | 4.58627 | 0.00000 | 578180.9 | 158544.2 | 0.0 | U/P |
| 15.483 | 1.3396 | 0.0000 | 85.494 | 4.58582 | 0.00000 | 578221.1 | 158681.8 | 0.0 | U/P |
| 15.492 | 1.3396 | 0.0000 | 85.492 | 4.58537 | 0.00000 | 578261.3 | 158819.4 | 0.0 | U/P |
| 15.500 | 1.3396 | 0.0000 | 85.491 | 4.58492 | 0.00000 | 578301.5 | 158956.9 | 0.0 | U/P |
| 15.508 | 1.3395 | 0.0000 | 85.490 | 4.58447 | 0.00000 | 578341.7 | 159094.5 | 0.0 | U/P |
| 15.517 | 1.3389 | 0.0000 | 85.489 | 4.58401 | 0.00000 | 578381.9 | 159232.0 | 0.0 | U/P |
| 15.525 | 1.3377 | 0.0000 | 85.487 | 4.58356 | 0.00000 | 578422.0 | 159369.5 | 0.0 | U/P |
| 15.533 | 1,3358 | 0.0000 | 85.486 | 4.58311 | 0.00000 | 578462.1 | 159507.0 | 0.0 | U/P |
| 15.542 | 1.3328 | 0.0000 | 85.485 | 4.58266 | 0.00000 | 578502.1 | 159644.5 | 0.0 | U/P |
| 15.550 | 1.3286 | 0.0000 | 85.484 | 4.58221 | 0.00000 | 578542.1 | 159782.0 | 0.0 | U/P |
| 15.558 | 1.3228 | 0.0000 | 85.482 | 4.58175 | 0.00000 | 578581.9 | 159919.4 | 0.0 | U/P |
| 15.567 | 1.3154 | 0.0000 | 85.481 | 4.58130 | 0.00000 | 578621.4 | 160056.9 | 0.0 | U/P |
| 15.575 | 1.3064 | 0.0000 | 85.480 | 4.58084 | 0.00000 | 578660.8 | 160194.3 | 0.0 | U/P |
| 15.583 | 1.2960 | 0.0000 | 85.479 | 4.58039 | 0.00000 | 578699.8 | 160331.7 | 0.0 | U/P |
| 15.592 | 1.2845 | 0.0000 | 85.478 | 4.57993 | 0.00000 | 578738.5 | 160469.1 | 0.0 | U/P |
| 15.600 | 1.2724 | 0.0000 | 85.476 | 4.57947 | 0.00000 | 578776.8 | 160606.5 | 0.0 | U/P |
| 15.608 | 1.2599 | 0.0000 | 85.475 | 4.57901 | 0.00000 | 578814.8 | 160743.9 | 0.0 | U/P |
| 15.617 | 1.2474 | 0.0000 | 85.474 | 4.57855 | 0.00000 | 578852.4 | 160881.3 | 0.0 | U/P |
| 15.625 | 1.2351 | 0.0000 | 85.472 | 4.57808 | 0.00000 | 578889.7 | 161018.6 | 0.0 | U/P |
| 15.633 | 1.2232 | 0.0000 | 85.471 | 4.57762 | 0.00000 | 578926.6 | 161156.0 | 0.0 | U/P |
| 15.642 | 1.2118 | 0.0000 | 85.470 | 4.57715 | 0.00000 | 578963.1 | 161293.3 | 0.0 | U/P |
| 15.650 | 1.2012 | 0.0000 | 85.469 | 4.57668 | 0.00000 | 578999.3 | 161430.6 | 0.0 | U/P |
| 15.658 | 1.1914 | 0.0000 | 85.467 | 4.57621 | 0.00000 | 579035.2 | 161567.9 | 0.0 | U/P |
| 15.667 | 1.1824 | 0.0000 | 85.466 | 4.57574 | 0.00000 | 579070.8 | 161705.2 | 0.0 | U/P |
| 15.675 | 1.1744 | 0.0000 | 85.465 | 4.57527 | 0.00000 | 579106.1 | 161842.4 | 0.0 | U/P |
| 15.683 | 1.1676 | 0.0000 | 85.464 | 4.57479 | 0.00000 | 579141.3 | 161979.7 | 0.0 | U/P |
| 15.692 | 1.1616 | 0.0000 | 85.462 | 4.57432 | 0.00000 | 579176.2 | 162116.9 | 0.0 | U/P |
| 15.700 | 1.1564 | 0.0000 | 85.461 | 4.57384 | 0.00000 | 579210.9 | 162254.1 | 0.0 | U/P |
| 15.708 | 1.1518 | 0.0000 | 85.460 | 4.57336 | 0.00000 | 579245.6 | 162391.3 | 0.0 | U/P |
| 15.717 | 1.1477 | 0.0000 | 85.458 | 4.57289 | 0.00000 | 579280.1 | 162528.5 | 0.0 | U/P |
| 15.725 | 1.1441 | 0.0000 | 85.457 | 4.57241 | 0.00000 | 579314.4 | 162665.7 | 0.0 | U/P |
| 15.733 | 1.1409 | 0.0000 | 85.456 | 4.57193 | 0.00000 | 579348.8 | 162802.9 | 0.0 | U/P |
| 15.742 | 1.1380 | 0.0000 | 85.454 | 4.57145 | 0.00000 | 579382.9 | 162940.0 | 0.0 | U/P |
| 15.750 | 1.1355 | 0.0000 | 85.453 | 4.57097 | 0.00000 | 579417.0 | 163077.2 | 0.0 | U/P |
| 15.758 | 1.1332 | 0.0000 | 85.452 | 4.57049 | 0.00000 | 579451.1 | 163214.3 | 0.0 | U/P |
| 15.767 | 1.1312 | 0.0000 | 85.451 | 4.57001 | 0.00000 | 579485.0 | 163351.4 | 0.0 | U/P |
| 15.775 | 1.1295 | 0.0000 | 85.449 | 4.56953 | 0.00000 | 579518.9 | 163488.5 | 0.0 | U/P |
| 15.783 | 1.1279 | 0.0000 | 85.448 | 4.56905 | 0.00000 | 579552.8 | 163625.6 | 0.0 | U/P |
| 15.792 | 1.1266 | 0.0000 | 85.447 | 4.56857 | 0.00000 | 579586.6 | 163762.6 | 0.0 | U/P |
| 15.800 | 1.1253 | 0.0000 | 85.445 | 4.56809 | 0.00000 | 579620.4 | 163899.7 | 0.0 | U/P |
| 15.808 | 1.1243 | 0.0000 | 85.444 | 4.56761 | 0.00000 | 579654.1 | 164036.7 | 0.0 | U/P |
| 15.817 | 1.1233 | 0.0000 | 85.443 | 4.56713 | 0.00000 | 579687.8 | 164173.7 | 0.0 | U/P |
| 15.825 | 1.1225 | 0.0000 | 85.441 | 4.56665 | 0.00000 | 579721.5 | 164310.7 | 0.0 | U/P |
| 15.833 | 1.1217 | 0.0000 | 85.440 | 4.56617 | 0.00000 | 579755.2 | 164447.7 | 0.0 | U/P |
| 15.842 | 1.1211 | 0.0000 | 85.439 | 4.56569 | 0.00000 | 579788.8 | 164584.7 | 0.0 | U/P |
| 15.850 | 1.1205 | 0.0000 | 85.437 | 4.56520 | 0.00000 | 579822.4 | 164721.7 | 0.0 | U/P |
| 15.858 | 1.1200 | 0.0000 | 85.436 | 4.56472 | 0.00000 | 579856.1 | 164858.6 | 0.0 | U/P |
| 15.867 | 1.1195 | 0.0000 | 85.435 | 4.56424 | 0.00000 | 579889.6 | 164995.5 | 0.0 | U/P |
| 15.875 | 1.1191 | 0.0000 | 85.433 | 4.56376 | 0.00000 | 579923.3 | 165132.5 | 0.0 | U/P |
| 15.883 | 1.1188 | 0.0000 | 85.432 | 4.56328 | 0.00000 | 579956.8 | 165269.4 | 0.0 | U/P |
| 15.892 | 1.1184 | 0.0000 | 85.431 | 4.56280 | 0.00000 | 579990.4 | 165406.3 | 0.0 | U/P |
| 15.900 | 1.1182 | 0.0000 | 85.430 | 4.56232 | 0.00000 | 580023.9 | 165543.1 | 0.0 | U/P |
| 15.908 | 1.1179 | 0.0000 | 85.428 | 4.56183 | 0.00000 | 580057.4 | 165680.0 | 0.0 | U/P |
| 15.917 | 1.1177 | 0.0000 | 85.427 | 4.56135 | 0.00000 | 580091.0 | 165816.9 | 0.0 | U/P |
| 15.925 | 1.1175 | 0.0000 | 85.426 | 4.56087 | 0.00000 | 580124.5 | 165953.7 | 0.0 | U/P |
| 15.933 | 1.1173 | 0.0000 | 85.424 | 4.56039 | 0.00000 | 580158.0 | 166090.5 | 0.0 | U/P |
| 15.942 | 1.1172 | 0.0000 | 85.423 | 4.55991 | 0.00000 | 580191.6 | 166227.3 | 0.0 | U/P |
| 15.950 | 1.1170 | 0.0000 | 85.422 | 4.55943 | 0.00000 | 580225.1 | 166364.1 | 0.0 | U/P |
| 15.958 | 1.1169 | 0.0000 | 85.420 | 4.55894 | 0.00000 | 580258.6 | 166500.9 | 0.0 | U/P |
| 15.967 | 1.1168 | 0.0000 | 85.419 | 4.55846 | 0.00000 | 580292.1 | 166637.6 | 0.0 | U/P |
| 15.975 | 1.1167 | 0.0000 | 85.418 | 4.55798 | 0.00000 | 580325.6 | 166774.4 | 0.0 | U/P |
| 15.983 | 1.1166 | 0.0000 | 85.416 | 4.55750 | 0.00000 | 580359.1 | 166911.1 | 0.0 | U/P |
| 15.992 | 1.1165 | 0.0000 | 85.415 | 4.55702 | 0.00000 | 580392.6 | 167047.8 | 0.0 | U/P |
| 16.000 | 1.1165 | 0.0000 | 85.414 | 4.55654 | 0.00000 | 580426.1 | 167184.5 | 0.0 | U/P |
| 16.008 | 1.1164 | 0.0000 | 85.413 | 4.55605 | 0.00000 | 580459.6 | 167321.2 | 0.0 | U/P |
| 16.017 | 1.1160 | 0.0000 | 85.411 | 4.55557 | 0.00000 | 580493.1 | 167457.9 | 0.0 | U/P |
| 16.025 | 1.1152 | 0.0000 | 85.410 | 4.55509 | 0.00000 | 580526.5 | 167594.6 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{fl}^{3 / \mathrm{s})}$ | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume $\left(\mathrm{ff}^{3}\right)$ | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 16.033 | 1.1136 | 0.0000 | 85.409 | 4.55461 | 0.00000 | 580559.9 | 167731.2 | 0.0 | U/P |
| 16.042 | 1.1111 | 0.0000 | 85.407 | 4.55413 | 0.00000 | 580593.3 | 167867.8 | 0.0 | U/P |
| 16.050 | 1.1075 | 0.0000 | 85.406 | 4.55364 | 0.00000 | 580626.6 | 168004.5 | 0.0 | U/P |
| 16.058 | 1.1026 | 0.0000 | 85.405 | 4.55316 | 0.00000 | 580659.8 | 168141.1 | 0.0 | U/P |
| 16.067 | 1.0960 | 0.0000 | 85.403 | 4.55268 | 0.00000 | 580692.8 | 168277.6 | 0.0 | U/P |
| 16.075 | 1.0877 | 0.0000 | 85.402 | 4.55219 | 0.00000 | 580725.5 | 168414.2 | 0.0 | U/P |
| 16.083 | 1.0778 | 0.0000 | 85.401 | 4.55171 | 0.00000 | 580757.9 | 168550.8 | 0.0 | U/P |
| 16.092 | 1.0668 | 0.0000 | 85.399 | 4.55122 | 0.00000 | 580790.1 | 168687.3 | 0.0 | U/P |
| 16.100 | 1.0550 | 0.0000 | 85.398 | 4.55073 | 0.00000 | 580821.9 | 168823.8 | 0.0 | U/P |
| 16.108 | 1.0425 | 0.0000 | 85.397 | 4.55024 | 0.00000 | 580853.4 | 168960.4 | 0.0 | U/P |
| 16.117 | 1.0300 | 0.0000 | 85.395 | 4.54975 | 0.00000 | 580884.5 | 169096.9 | 0.0 | U/P |
| 16.125 | 1.0176 | 0.0000 | 85.394 | 4.54926 | 0.00000 | 580915.3 | 169233.3 | 0.0 | U/P |
| 16.133 | 1.0054 | 0.0000 | 85.393 | 4.54876 | 0.00000 | 580945.6 | 169369.8 | 0.0 | U/P |
| 16.142 | 0.9937 | 0.0000 | 85.391 | 4.54826 | 0.00000 | 580975.6 | 169506.3 | 0.0 | U/P |
| 16.150 | 0.9828 | 0.0000 | 85.390 | 4.54777 | 0.00000 | 581005.2 | 169642.7 | 0.0 | U/P |
| 16.158 | 0.9725 | 0.0000 | 85.389 | 4.54727 | 0.00000 | 581034.6 | 169779.1 | 0.0 | U/P |
| 16.167 | 0.9631 | 0.0000 | 85.387 | 4.54676 | 0.00000 | 581063.6 | 169915.5 | 0.0 | U/P |
| 16.175 | 0.9546 | 0.0000 | 85.386 | 4.54626 | 0.00000 | 581092.3 | 170052.0 | 0.0 | U/P |
| 16.183 | 0.9472 | 0.0000 | 85.384 | 4.54576 | 0.00000 | 581120.9 | 170188.3 | 0.0 | U/P |
| 16.192 | 0.9409 | 0.0000 | 85.383 | 4.54525 | 0.00000 | 581149.2 | 170324.7 | 0.0 | U/P |
| 16.200 | 0.9354 | 0.0000 | 85.382 | 4.54475 | 0.00000 | 581177.3 | 170461.0 | 0.0 | U/P |
| 16.208 | 0.9305 | 0.0000 | 85.380 | 4.54424 | 0.00000 | 581205.3 | 170597.4 | 0.0 | U/P |
| 16.217 | 0.9262 | 0.0000 | 85.379 | 4.54373 | 0.00000 | 581233.2 | 170733.7 | 0.0 | U/P |
| 16.225 | 0.9224 | 0.0000 | 85.378 | 4.54322 | 0.00000 | 581260.9 | 170870.0 | 0.0 | U/P |
| 16.233 | 0.9190 | 0.0000 | 85.376 | 4.54272 | 0.00000 | 581288.5 | 171006.3 | 0.0 | U/P |
| 16.242 | 0.9160 | 0.0000 | 85.375 | 4.54221 | 0.00000 | 581316.1 | 171142.6 | 0.0 | U/P |
| 16.250 | 0.9133 | 0.0000 | 85.373 | 4.54170 | 0.00000 | 581343.5 | 171278.8 | 0.0 | U/P |
| 16.258 | 0.9109 | 0.0000 | 85.372 | 4.54119 | 0.00000 | 581370.8 | 171415.1 | 0.0 | U/P |
| 16.267 | 0.9087 | 0.0000 | 85.371 | 4.54068 | 0.00000 | 581398.1 | 171551.3 | 0.0 | U/P |
| 16.275 | 0.9069 | 0.0000 | 85.369 | 4.54017 | 0.00000 | 581425.4 | 171687.5 | 0.0 | U/P |
| 16.283 | 0.9053 | 0.0000 | 85.368 | 4.53966 | 0.00000 | 581452.6 | 171823.7 | 0.0 | U/P |
| 16.292 | 0.9038 | 0.0000 | 85.366 | 4.53915 | 0.00000 | 581479.7 | 171959.9 | 0.0 | U/P |
| 16.300 | 0.9025 | 0.0000 | 85.365 | 4.53863 | 0.00000 | 581506.8 | 172096.0 | 0.0 | U/P |
| 16.308 | 0.9014 | 0.0000 | 85.364 | 4.53812 | 0.00000 | 581533.8 | 172232.2 | 0.0 | U/P |
| 16.317 | 0.9004 | 0.0000 | 85.362 | 4.53761 | 0.00000 | 581560.9 | 172368.3 | 0.0 | U/P |
| 16.325 | 0.8995 | 0.0000 | 85.361 | 4.53710 | 0.00000 | 581587.9 | 172504.5 | 0.0 | U/P |
| 16.333 | 0.8987 | 0.0000 | 85.360 | 4.53659 | 0.00000 | 581614.8 | 172640.6 | 0.0 | U/P |
| 16.342 | 0.8980 | 0.0000 | 85.358 | 4.53608 | 0.00000 | 581641.8 | 172776.7 | 0.0 | U/P |
| 16.350 | 0.8974 | 0.0000 | 85.357 | 4.53557 | 0.00000 | 581668.7 | 172912.7 | 0.0 | U/P |
| 16.358 | 0.8968 | 0.0000 | 85.355 | 4.53505 | 0.00000 | 581695.6 | 173048.8 | 0.0 | U/P |
| 16.367 | 0.8963 | 0.0000 | 85.354 | 4.53454 | 0.00000 | 581722.5 | 173184.8 | 0.0 | U/P |
| 16.375 | 0.8959 | 0.0000 | 85.353 | 4.53403 | 0.00000 | 581749.4 | 173320.9 | 0.0 | U/P |
| 16.383 | 0.8955 | 0.0000 | 85.351 | 4.53352 | 0.00000 | 581776.3 | 173456.9 | 0.0 | U/P |
| 16.392 | 0.8952 | 0.0000 | 85.350 | 4.53301 | 0.00000 | 581803.1 | 173592.9 | 0.0 | U/P |
| 16.400 | 0.8949 | 0.0000 | 85.348 | 4.53249 | 0.00000 | 581830.0 | 173728.9 | 0.0 | U/P |
| 16.408 | 0.8946 | 0.0000 | 85.347 | 4.53198 | 0.00000 | 581856.8 | 173864.8 | 0.0 | U/P |
| 16.417 | 0.8944 | 0.0000 | 85.346 | 4.53147 | 0.00000 | 581883.7 | 174000.8 | 0.0 | U/P |
| 16.425 | 0.8942 | 0.0000 | 85.344 | 4.53096 | 0.00000 | 581910.5 | 174136.7 | 0.0 | U/P |
| 16.433 | 0.8940 | 0.0000 | 85.343 | 4.53045 | 0.00000 | 581937.3 | 174272.6 | 0.0 | U/P |
| 16.442 | 0.8939 | 0.0000 | 85.341 | 4.52993 | 0.00000 | 581964.1 | 174408.5 | 0.0 | U/P |
| 16.450 | 0.8937 | 0.0000 | 85.340 | 4.52942 | 0.00000 | 581990.9 | 174544.4 | 0.0 | U/P |
| 16.458 | 0.8936 | 0.0000 | 85.339 | 4.52891 | 0.00000 | 582017.8 | 174680.3 | 0.0 | U/P |
| 16.467 | 0.8935 | 0.0000 | 85.337 | 4.52840 | 0.00000 | 582044.6 | 174816.2 | 0.0 | U/P |
| 16.475 | 0.8934 | 0.0000 | 85.336 | 4.52789 | 0.00000 | 582071.4 | 174952.0 | 0.0 | U/P |
| 16.483 | 0.8933 | 0.0000 | 85.334 | 4.52737 | 0.00000 | 582098.2 | 175087.8 | 0.0 | U/P |
| 16.492 | 0.8932 | 0.0000 | 85.333 | 4.52686 | 0.00000 | 582124.9 | 175223.7 | 0.0 | U/P |
| 16.500 | 0.8931 | 0.0000 | 85.332 | 4.52635 | 0.00000 | 582151.8 | 175359.5 | 0.0 | U/P |
| 16.508 | 0.8930 | 0.0000 | 85.330 | 4.52584 | 0.00000 | 582178.6 | 175495.2 | 0.0 | U/P |
| 16.517 | 0.8932 | 0.0000 | 85.329 | 4.52533 | 0.00000 | 582205.3 | 175631.0 | 0.0 | U/P |
| 16.525 | 0.8939 | 0.0000 | 85.327 | 4.52481 | 0.00000 | 582232.1 | 175766.8 | 0.0 | U/P |
| 16.533 | 0.8954 | 0.0000 | 85.326 | 4.52430 | 0.00000 | 582259.0 | 175902.5 | 0.0 | U/P |
| 16.542 | 0.8978 | 0.0000 | 85.325 | 4.52379 | 0.00000 | 582285.9 | 176038.2 | 0.0 | U/P |
| 16.550 | 0.9016 | 0.0000 | 85.323 | 4.52328 | 0.00000 | 582312.9 | 176173.9 | 0.0 | U/P |
| 16.558 | 0.9069 | 0.0000 | 85.322 | 4.52277 | 0.00000 | 582340.0 | 176309.6 | 0.0 | U/P |
| 16.567 | 0.9142 | 0.0000 | 85.321 | 4.52226 | 0.00000 | 582367.3 | 176445.3 | 0.0 | U/P |
| 16.575 | 0.9235 | 0.0000 | 85.319 | 4.52175 | 0.00000 | 582394.9 | 176580.9 | 0.0 | U/P |
| 16.583 | 0.9349 | 0.0000 | 85.318 | 4.52124 | 0.00000 | 582422.8 | 176716.6 | 0.0 | U/P |
| 16.592 | 0.9480 | 0.0000 | 85.316 | 4.52073 | 0.00000 | 582451.0 | 176852.2 | 0.0 | U/P |
| 16.600 | 0.9623 | 0.0000 | 85.315 | 4.52023 | 0.00000 | 582479.7 | 176987.8 | 0.0 | U/P |
| 16.608 | 0.9775 | 0.0000 | 85.314 | 4.51973 | 0.00000 | 582508.8 | 177123.4 | 0.0 | U/P |
| 16.617 | 0.9931 | 0.0000 | 85.312 | 4.51923 | 0.00000 | 582538.3 | 177259.0 | 0.0 | U/P |
| 16.625 | 1.0087 | 0.0000 | 85.311 | 4.51873 | 0.00000 | 582568.3 | 177394.6 | 0.0 | U/P |
| 16.633 | 1.0241 | 0.0000 | 85.310 | 4.51823 | 0.00000 | 582598.8 | 177530.1 | 0.0 | U/P |
| 16.642 | 1.0390 | 0.0000 | 85.308 | 4.51774 | 0.00000 | 582629.8 | 177665.7 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (IV/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{H}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{f}^{3 /} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 16.650 | 1.0531 | 0.0000 | 85.307 | 4.51725 | 0.00000 | 582661.2 | 177801.2 | 0.0 | U/P |
| 16.658 | 1.0664 | 0.0000 | 85.306 | 4.51676 | 0.00000 | 582692.9 | 177936.7 | 0.0 | U/P |
| 16.667 | 1.0787 | 0.0000 | 85.304 | 4.51627 | 0.00000 | 582725.1 | 178072.2 | 0.0 | U/P |
| 16.675 | 1.0898 | 0.0000 | 85.303 | 4.51579 | 0.00000 | 582757.7 | 178207.7 | 0.0 | U/P |
| 16.683 | 1.0997 | 0.0000 | 85.302 | 4.51530 | 0.00000 | 582790.5 | 178343.2 | 0.0 | U/P |
| 16.692 | 1.1082 | 0.0000 | 85.300 | 15.03732 | 0.00000 | 582823.6 | 178478.6 | 0.0 | U/P |
| 16.700 | 4.1157 | 0.0000 | 85.291 | 24.39294 | 0.00000 | 582857.0 | 179245.4 | 0.0 | U/S |
| 16.708 | 1.1221 | 0.0000 | 85.282 | 23.55555 | 0.00000 | 582890.6 | 179942.2 | 0.0 | S |
| 16.717 | 1.1278 | 0.0000 | 85.274 | 23.99591 | 0.00000 | 582924.3 | 180658.7 | 0.0 | S |
| 16.725 | 1.1329 | 0.0000 | 85.265 | 24.02238 | 0.00000 | 582958.2 | 181381.9 | 0.0 | S |
| 16.733 | 1.1374 | 0.0000 | 85.256 | 23.69127 | 0.00000 | 582992.3 | 182100.1 | 0.0 | S |
| 16.742 | 1.1414 | 0.0000 | 85.247 | 23.07617 | 0.00000 | 583026.4 | 182803.4 | 0.0 | S |
| 16.750 | 1.1450 | 0.0000 | 85.239 | 22.25655 | 0.00000 | 583060.8 | 183484.6 | 0.0 | S |
| 16.758 | 1.1481 | 0.0000 | 85.231 | 21.30831 | 0.00000 | 583095.1 | 184138.8 | 0.0 | S |
| 16.767 | 1.1509 | 0.0000 | 85.223 | 20.29732 | 0.00000 | 583129.6 | 184763.1 | 0.0 | S |
| 16.775 | 1.1534 | 0.0000 | 85.216 | 19.27613 | 0.00000 | 583164.2 | 185356.6 | 0.0 | S |
| 16.783 | 1.1556 | 0.0000 | 85.209 | 18.28322 | 0.00000 | 583198.8 | 185919.7 | 0.0 | S |
| 16.792 | 1.1575 | 0.0000 | 85.203 | 17.34415 | 0.00000 | 583233.5 | 186453.6 | 0.0 | S |
| 16.800 | 1.1592 | 0.0000 | 85.197 | 16.47370 | 0.00000 | 583268.3 | 186960.4 | 0.0 | S |
| 16.808 | 1.1607 | 0.0000 | 85.191 | 15.67832 | 0.00000 | 583303.1 | 187442.1 | 0.0 | S |
| 16.817 | 1.1621 | 0.0000 | 85.186 | 14.95856 | 0.00000 | 583337.9 | 187901.0 | 0.0 | S |
| 16.825 | 1.1633 | 0.0000 | 85.180 | 14.31106 | 0.00000 | 583372.8 | 188339.6 | 0.0 | S |
| 16.833 | 1.1643 | 0.0000 | 85.175 | 13.73023 | 0.00000 | 583407.7 | 188759.7 | 0.0 | S |
| 16.842 | 1.1652 | 0.0000 | 85.171 | 13.20936 | 0.00000 | 583442.6 | 189163.4 | 0.0 | S |
| 16.850 | 1.1661 | 0.0000 | 85.166 | 12.74148 | 0.00000 | 583477.6 | 189552.3 | 0.0 | S |
| 16.858 | 1.1668 | 0.0000 | 85.162 | 12.31988 | 0.00000 | 583512.6 | 189927.9 | 0.0 | S |
| 16.867 | 1.1674 | 0.0000 | 85.157 | 11.93837 | 0.00000 | 583547.6 | 190291.5 | 0.0 | S |
| 16.875 | 1.1680 | 0.0000 | 85.153 | 11.59145 | 0.00000 | 583582.6 | 190644.2 | 0.0 | S |
| 16.883 | 1.1685 | 0.0000 | 85.149 | 11.27435 | 0.00000 | 583617.7 | 190987.0 | 0.0 | S |
| 16.892 | 1.1689 | 0.0000 | 85.145 | 10.98298 | 0.00000 | 583652.8 | 191320.6 | 0.0 | S |
| 16.900 | 1.1693 | 0.0000 | 85.142 | 10.71389 | 0.00000 | 583687.8 | 191645.9 | 0.0 | S |
| 16.908 | 1.1697 | 0.0000 | 85.138 | 10.46419 | 0.00000 | 583722.9 | 191963.5 | 0.0 | S |
| 15.917 | 1.1700 | 0.0000 | 85.134 | 10.23147 | 0.00000 | 583758.0 | 192273.8 | 0.0 | S |
| 16.925 | 1.1703 | 0.0000 | 85.131 | 10.01370 | 0.00000 | 583793.1 | 192577.4 | 0.0 | S |
| 16.933 | 1.1705 | 0.0000 | 85.127 | 9.80921 | 0.00000 | 583828.3 | 192874.6 | 0.0 | S |
| 16.942 | 1.1707 | 0.0000 | 85.124 | 9.61659 | 0.00000 | 583863.4 | 193165.9 | 0.0 | S |
| 16.950 | 1.1709 | 0.0000 | 85.121 | 9.43465 | 0.00000 | 583898.5 | 193451.6 | 0.0 | S |
| 16.958 | \$.1711 | 0.0000 | 85.118 | 9.26240 | 0.00000 | 583933.6 | 193732.0 | 0.0 | S |
| 16.967 | 1.1712 | 0.0000 | 85.115 | 9.09895 | 0.00000 | 583968.8 | 194007.3 | 0.0 | S |
| 16.975 | 1.1714 | 0.0000 | 85.111 | 8.94358 | 0.00000 | 584003.9 | 194277.9 | 0.0 | S |
| 16.983 | 1.1715 | 0.0000 | 85.108 | 8.79564 | 0.00000 | 584039.0 | 194544.0 | 0.0 | S |
| 16.992 | 1.1716 | 0.0000 | 85.106 | 8.65454 | 0.00000 | 584074.2 | 194805.7 | 0.0 | S |
| 17.000 | 1.1719 | 0.0000 | 85.103 | 8.51979 | 0.00000 | 584109.3 | 195063.2 | 0.0 | S |
| 17.008 | 1.1726 | 0.0000 | 85.100 | 8.39092 | 0.00000 | 584144.5 | 195316.9 | 0.0 | S |
| 17.017 | 1.1738 | 0.0000 | 85.097 | 8.26755 | 0.00000 | 584179.7 | 195566.7 | 0.0 | S |
| 17.025 | 1.1756 | 0.0000 | 85.094 | 8.14928 | 0.00000 | 584214.9 | 195812.9 | 0.0 | S |
| 17.033 | 1.1783 | 0.0000 | 85.092 | 8.03580 | 0.00000 | 584250.3 | 196055.7 | 0.0 | S |
| 17.042 | 1.1819 | 0.0000 | 85.089 | 7.92680 | 0.00000 | 584285.6 | 196295.1 | 0.0 | S |
| 17.050 | 1.1868 | 0.0000 | 85.086 | 7.82200 | 0.00000 | 584321.2 | 196531.3 | 0.0 | S |
| 17.058 | 1.1930 | 0.0000 | 85.084 | 7.72113 | 0.00000 | 584356.9 | 196764.4 | 0.0 | S |
| 17.067 | 1.2003 | 0.0000 | 85.081 | 7.62397 | 0.00000 | 584392.8 | 196994.5 | 0.0 | S |
| 17.075 | 1.2084 | 0.0000 | 85.079 | 7.53030 | 0.00000 | 584428.9 | 197221.8 | 0.0 | S |
| 17.083 | 1.2173 | 0.0000 | 85.076 | 7.43992 | 0.00000 | 584465.3 | 197446.3 | 0.0 | S |
| 17.092 | 1.2266 | 0.0000 | 85.074 | 7.35264 | 0.00000 | 584501.9 | 197668.2 | 0.0 | S |
| 17.100 | 1.2360 | 0.0000 | 85.071 | 7.26829 | 0.00000 | 584538.9 | 197887.5 | 0.0 | S |
| 17.108 | 1.2453 | 0.0000 | 85.069 | 7.18670 | 0.00000 | 584576.1 | 198104.3 | 0.0 | S |
| 17.117 | 1.2545 | 0.0000 | 85.067 | 7.10774 | 0.00000 | 584613.6 | 198318.7 | 0.0 | S |
| 17.125 | 1.2633 | 0.0000 | 85.064 | 7.03126 | 0.00000 | 584651.4 | 198530.8 | 0.0 | S |
| 17.133 | 1.2716 | 0.0000 | 85.062 | 6.95713 | 0.00000 | 584689.4 | 198740.6 | 0.0 | S |
| 17.142 | 1.2793 | 0.0000 | 85.060 | 6.88524 | 0.00000 | 584727.7 | 198948.2 | 0.0 | S |
| 17.150 | 1.2864 | 0.0000 | 85.058 | 6.81548 | 0.00000 | 584766.1 | 199153.7 | 0.0 | S |
| 17.158 | 1.2929 | 0.0000 | 85.056 | 6.74773 | 0.00000 | 584804.8 | \$99357.1 | 0.0 | S |
| 17.167 | 1.2984 | 0.0000 | 85.054 | 6.68191 | 0.00000 | 584843.7 | 199558.6 | 0.0 | S |
| 17.175 | 1.3033 | 0.0000 | 85.051 | 6.61793 | 0.00000 | 584882.8 | 199758.0 | 0.0 | S |
| 17.183 | 1.3075 | 0.0000 | 85.049 | 6.55569 | 0.00000 | 584921.9 | 199955.6 | 0.0 | S |
| 17.192 | 1.3111 | 0.0000 | 85.047 | 6.49513 | 0.00000 | 584961.2 | 200151.4 | 0.0 | S |
| 17.200 | 1.3144 | 0.0000 | 85.045 | 6.43616 | 0.00000 | 585000.6 | 200345.3 | 0.0 | S |
| 17.208 | 1.3173 | 0.0000 | 85.043 | 6.37872 | 0.00000 | 585040.0 | 200537.5 | 0.0 | S |
| 17.217 | 1.3199 | 0.0000 | 85.041 | 6.32275 | 0.00000 | 585079.6 | 200728.1 | 0.0 | S |
| 17.225 | 1.3222 | 0.0000 | 85.039 | 6.26818 | 0.00000 | 585119.2 | 200916.9 | 0.0 | S |
| 17.233 | 1.3242 | 0.0000 | 85.037 | 6.21496 | 0.00000 | 585158.9 | 201104.2 | 0.0 | S |
| 17.242 | 1.3260 | 0.0000 | 85.035 | 6.16302 | 0.00000 | 585198.7 | 201289.8 | 0.0 | S |
| 17.250 | 1.3276 | 0.0000 | 85.034 | 6.11233 | 0.00000 | 585238.4 | 201473.9 | 0.0 | S |
| 17.258 | 1.3290 | 0.0000 | 85.032 | 6.06283 | 0.00000 | 585278.3 | 201656.6 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{13 / \mathrm{s}}$ ) | Overfiow Discharge ( $\mathrm{ft}^{3 / 3}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 17.267 | 1.3303 | 0.0000 | 85.030 | 6.01448 | 0.00000 | 585318.2 | 201837.7 | 0.0 | S |
| 17.275 | 1.3314 | 0.0000 | 85.028 | 5.96723 | 0.00000 | 585358.1 | 202017.4 | 0.0 | S |
| 17.283 | \{. 3323 | 0.0000 | 85.026 | 5.92104 | 0.00000 | 585398.1 | 202195.7 | 0.0 | S |
| 17.292 | 1.3332 | 0.0000 | 85.024 | 5.87588 | 0.00000 | 585438.1 | 202372.7 | 0.0 | S |
| 17.300 | 1.3340 | 0.0000 | 85.023 | 5.83170 | 0.00000 | 585478.1 | 202548.3 | 0.0 | S |
| 17.308 | 1.3346 | 0.0000 | 85.021 | 5.78848 | 0.00000 | 585518.1 | 202722.6 | 0.0 | S |
| 17.317 | 1.3352 | 0.0000 | 85.019 | 5.74617 | 0.00000 | 585558.1 | 202895.6 | 0.0 | S |
| 17.325 | 1.3358 | 0.0000 | 85.017 | 5.70474 | 0.00000 | 585598.2 | 203067.4 | 0.0 | S |
| 17.333 | 1.3362 | 0.0000 | 85.016 | 5.66418 | 0.00000 | 585638.3 | 203237.9 | 0.0 | S |
| 17.342 | 1.3366 | 0.0000 | 85.014 | 5.62444 | 0.00000 | 585678.4 | 203407.2 | 0.0 | S |
| 17.350 | 1.3370 | 0.0000 | 85.012 | 5.58550 | 0.00000 | 585718.5 | 203575.4 | 0.0 | S |
| 17.358 | 1.3373 | 0.0000 | 85.011 | 5.54733 | 0.00000 | 585758.6 | 203742.3 | 0.0 | S |
| 17.367 | 1.3376 | 0.0000 | 85.009 | 5.50991 | 0.00000 | 585798.8 | 203908.2 | 0.0 | S |
| 17.375 | 1.3379 | 0.0000 | 85.007 | 5.47321 | 0.00000 | 585838.9 | 204072.9 | 0.0 | S |
| 17.383 | 1.3381 | 0.0000 | 85.006 | 5.43722 | 0.00000 | 585879.0 | 204236.6 | 0.0 | S |
| 17.392 | 1.3383 | 0.0000 | 85.004 | 5.40190 | 0.00000 | 585919.1 | 204399.2 | 0.0 | S |
| 17.400 | 1.3385 | 0.0000 | 85.003 | 5.36725 | 0.00000 | 585959,3 | 204560.7 | 0.0 | S |
| 17.408 | 1.3386 | 0.0000 | 85.001 | 5.33323 | 0.00000 | 585999.4 | 204721.2 | 0.0 | S |
| 17.417 | 1.3388 | 0.0000 | 84.999 | 5.29983 | 0.00000 | 586039.6 | 204880.7 | 0.0 | S |
| 17.425 | 1.3389 | 0.0000 | 84.998 | 5.26703 | 0.00000 | 586079.8 | 205039.2 | 0.0 | S |
| 17.433 | 1.3390 | 0.0000 | 84.996 | 5.23482 | 0.00000 | 586119.9 | 205196.7 | 0.0 | S |
| 17.442 | 1.3391 | 0.0000 | 84.995 | 5.20317 | 0.00000 | 586160.1 | 205353.3 | 0.0 | S |
| 17.450 | 1.3392 | 0.0000 | 84.993 | 5.17207 | 0.00000 | 586200.3 | 205508.9 | 0.0 | S |
| 17.458 | 1.3393 | 0.0000 | 84.992 | 5.14150 | 0.00000 | 586240.5 | 205663.6 | 0.0 | S |
| 17.467 | 1.3393 | 0.0000 | 84.990 | 5.11145 | 0.00000 | 586280.7 | 205817.4 | 0.0 | S |
| 17.475 | 1.3394 | 0.0000 | 84.989 | 5.08191 | 0.00000 | 586320.8 | 205970.3 | 0.0 | S |
| 17.483 | 1.3395 | 0.0000 | 84.987 | 5.05286 | 0.00000 | 586361.0 | 206122.3 | 0.0 | S |
| 17.492 | 1.3395 | 0.0000 | 84.986 | 5.02429 | 0.00000 | 586401.2 | 206273.5 | 0.0 | S |
| 17.500 | 1.3394 | 0.0000 | 84.984 | 4.99618 | 0.00000 | 586441.4 | 206423.8 | 0.0 | S |
| 17.508 | 1.3389 | 0.0000 | 84.983 | 4.96852 | 0.00000 | 586481.6 | 206573.2 | 0.0 | S |
| 17.517 | 1.3378 | 0.0000 | 84.982 | 4.94131 | 0.00000 | 586521.7 | 206721.9 | 0.0 | S |
| 17.525 | 1.3359 | 0.0000 | 84.980 | 4.91451 | 0.00000 | 586561.8 | 206869.7 | 0.0 | S |
| 17.533 | 1.3329 | 0.0000 | 84.979 | 4.88813 | 0.00000 | 586601.9 | 207016.8 | 0.0 | S |
| 17.542 | 1.3288 | 0.0000 | 84.977 | 4.86215 | 0.00000 | 586641.8 | 207163.0 | 0.0 | S |
| 17.550 | 1.3231 | 0.0000 | 84.976 | 4.83656 | 0.00000 | 586681.6 | 207308.5 | 0.0 | S |
| 17.558 | 1.3158 | 0.0000 | 84.975 | 4.81135 | 0.00000 | 586721.1 | 207453.2 | 0.0 | S |
| 17.567 | 1.3068 | 0.0000 | 84.973 | 4.78650 | 0.00000 | 586760.5 | 207597.2 | 0.0 | S |
| 17.575 | 1.2964 | 0.0000 | 84.972 | 4.76201 | 0.00000 | 586799.5 | 207740.4 | 0.0 | S |
| 17.583 | 1.2850 | 0.0000 | 84.970 | 4.73786 | 0.00000 | 586838.3 | 207882.9 | 0.0 | S |
| 17.592 | 1.2729 | 0.0000 | 84.969 | 4.71405 | 0.00000 | 586876.6 | 208024.7 | 0.0 | S |
| 17.600 | 1.2604 | 0.0000 | 84.968 | 4.69057 | 0.00000 | 586914.6 | 208165.7 | 0.0 | S |
| \$7.608 | 1.2480 | 0.0000 | 84.966 | 4.66741 | 0.00000 | 586952.3 | 208306.1 | 0.0 | S |
| 17.617 | 1.2356 | 0.0000 | 84.965 | 4.64457 | 0.00000 | 586989.5 | 208445.8 | 0.0 | S |
| 17.625 | 1.2236 | 0.0000 | 84.964 | 4.62203 | 0.00000 | 587026.4 | 208584.8 | 0.0 | S |
| 17.633 | 1.2123 | 0.0000 | 84.962 | 4.59980 | 0.00000 | 587062.9 | 208723.1 | 0.0 | S |
| 17.642 | 1.2016 | 0.0000 | 84.961 | 4.57787 | 0.00000 | 587099.1 | 208860.8 | 0.0 | S |
| 17.650 | 1.1917 | 0.0000 | 84.960 | 4.55623 | 0.00000 | 587135.1 | 208997.8 | 0.0 | S |
| 17.658 | 1.1827 | 0.0000 | 84.958 | 4.53488 | 0.00000 | 587170.6 | 209134.1 | 0.0 | S |
| 17.667 | 1.1747 | 0.0000 | 84.957 | 4.51382 | 0.00000 | 587206.0 | 209269.9 | 0.0 | S |
| 17.675 | 1.1678 | 0.0000 | 84.956 | 4.49303 | 0.00000 | 587241.1 | 209405.0 | 0.0 | S |
| 17.683 | 1.1618 | 0.0000 | 84.954 | 4.47251 | 0.00000 | 587276.1 | 209539.4 | 0.0 | S |
| 17.692 | 1.1566 | 0.0000 | 84.953 | 4.45227 | 0.00000 | 587310.9 | 209673.3 | 0.0 | S |
| 17.700 | 1.1520 | 0.0000 | 84.952 | 4.43228 | 0.00000 | 587345.5 | 209806.6 | 0.0 | S |
| 17.708 | 1.1479 | 0.0000 | 84.950 | 4.41256 | 0.00000 | 587380.0 | 209939.3 | 0.0 | S |
| 17.717 | 1.1443 | 0.0000 | 84.949 | 4.39309 | 0.00000 | 587414.4 | 210071.3 | 0.0 | S |
| 17.725 | 1.1411 | 0.0000 | 84.948 | 4.37386 | 0.00000 | 587448.7 | 210202.8 | 0.0 | S |
| 17.733 | 1.1382 | 0.0000 | 84.947 | 4.35488 | 0.00000 | 587482.9 | 210333.8 | 0.0 | S |
| 17.742 | 1.1356 | 0.0000 | 84.945 | 4.33613 | 0.00000 | 587516.9 | 210464.1 | 0.0 | S |
| 17.750 | 1.1333 | 0.0000 | 84.944 | 4.31762 | 0.00000 | 587551.0 | 210593.9 | 0.0 | S |
| 17.758 | 1.1313 | 0.0000 | 84.943 | 4.29934 | 0.00000 | 587584.9 | 210723.2 | 0.0 | S |
| 17.767 | 1.1296 | 0.0000 | 84.942 | 4.28128 | 0.00000 | 587618.9 | 210851.9 | 0.0 | S |
| 17.775 | \$.1280 | 0.0000 | 84.940 | 4.26344 | 0.00000 | 587652.8 | 210980.1 | 0.0 | S |
| 17.783 | 1.1266 | 0.0000 | 84.939 | 4.24581 | 0.00000 | 587686.6 | 211107.7 | 0.0 | S |
| 17.792 | 1.1254 | 0.0000 | 84.938 | 4.22840 | 0.00000 | 587720.3 | 211234.8 | 0.0 | S |
| 17.800 | 1.1243 | 0.0000 | 84.937 | 4.21119 | 0.00000 | 587754.1 | 211361.4 | 0.0 | S |
| 17.808 | 1.1234 | 0.0000 | 84.935 | 4.19418 | 0.00000 | 587787.8 | 211487.5 | 0.0 | S |
| 17.817 | 1.1225 | 0.0000 | 84.934 | 4.17737 | 0.00000 | 587821.5 | 211613.0 | 0.0 | S |
| 17.825 | 1.1218 | 0.0000 | 84.933 | 4.16076 | 0.00000 | 587855.1 | 211738.1 | 0.0 | S |
| 17.833 | 1.1211 | 0.0000 | 84.932 | 4.14434 | 0.00000 | 587888.8 | 211862.7 | 0.0 | S |
| 17.842 | 1.1205 | 0.0000 | 84.931 | 4.12810 | 0.00000 | 587922.4 | 211986.8 | 0.0 | S |
| 17.850 | 1.1200 | 0.0000 | 84.929 | 4.11205 | 0.00000 | 587956.1 | 212110.4 | 0.0 | S |
| 17.858 | 1.1196 | 0.0000 | 84.928 | 4.09618 | 0.00000 | 587989.6 | 212233.5 | 0.0 | S |
| 17.867 | 1.1191 | 0.0000 | 84.927 | 4.08048 | 0.00000 | 588023.2 | 212356.2 | 0.0 | S |
| 17.875 | 1.1188 | 0.0000 | 84.926 | 4.06496 | 0.00000 | 588056.8 | 212478.3 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate (f13/s) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ff}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 17.883 | 1.1185 | 0.0000 | 84.925 | 4.04961 | 0.00000 | 588090.3 | 212600.0 | 0.0 | S |
| 17.892 | 1.1182 | 0.0000 | 84.924 | 4.03443 | 0.00000 | 588123.9 | 212721.3 | 0.0 | S |
| 17.900 | 1.1179 | 0.0000 | 84.922 | 4.01941 | 0.00000 | 588157.4 | 212842.1 | 0.0 | S |
| 17.908 | 1.1777 | 0.0000 | 84.921 | 4.00456 | 0.00000 | 588190.9 | 212962.5 | 0.0 | S |
| 17.917 | 1.1175 | 0.0000 | 84.920 | 3.98986 | 0.00000 | 588224.5 | 213082.4 | 0.0 | S |
| 17.925 | 1.1173 | 0.0000 | 84.919 | 3.97532 | 0.00000 | 588258.0 | 213201.9 | 0.0 | S |
| 17.933 | 1.1172 | 0.0000 | 84.918 | 3.96093 | 0.00000 | 588291.5 | 213320.9 | 0.0 | S |
| 17.942 | 1.1171 | 0.0000 | 84.917 | 3.94669 | 0.00000 | 588325.1 | 213439.5 | 0.0 | S |
| 17.950 | 1.1168 | 0.0000 | 84.916 | 3.93260 | 0.00000 | 588358.6 | 213557.7 | 0.0 | S |
| 17.958 | 1.1168 | 0.0000 | 84.914 | 3.91865 | 0.00000 | 588392.1 | 213675.5 | 0.0 | S |
| 17.967 | 1.1167 | 0.0000 | 84.913 | 3.90485 | 0.00000 | 588425.6 | 213792.8 | 0.0 | S |
| 17.975 | 1.1166 | 0.0000 | 84.912 | 3.89119 | 0.00000 | 588459.1 | 213909.8 | 0.0 | S |
| 17.983 | 1.1165 | 0.0000 | 84.911 | 3.87766 | 0.00000 | 588492.6 | 214026.3 | 0.0 | S |
| 17.992 | 1.1165 | 0.0000 | 84.910 | 3.86428 | 0.00000 | 588526.1 | 214142.4 | 0.0 | S |
| 18.000 | 1.1164 | 0.0000 | 84.909 | 3.85102 | 0.00000 | 588559.6 | 214258.2 | 0.0 | S |
| 18.008 | 1.1161 | 0.0000 | 84.908 | 3.83790 | 0.00000 | 588593.1 | 214373.5 | 0.0 | S |
| 18.017 | 1.1152 | 0.0000 | 84,907 | 3.82490 | 0.00000 | 588626.5 | 214488.4 | 0.0 | S |
| 18.025 | 1.1137 | 0.0000 | 84.906 | 3.81203 | 0.00000 | 588659.9 | 214603.0 | 0.0 | S |
| 18.033 | 1.1113 | 0.0000 | 84.905 | 3.79927 | 0.00000 | 588693.3 | 214717.2 | 0.0 | S |
| 18.042 | 1.1077 | 0.0000 | 84.904 | 3.78664 | 0.00000 | 588726.6 | 214830.9 | 0.0 | S |
| 18.050 | 1.1028 | 0.0000 | 84.903 | 3.77412 | 0.00000 | 588759.8 | 214944.3 | 0.0 | S |
| 18.058 | 1.0964 | 0.0000 | 84.901 | 3.76171 | 0.00000 | 588792.8 | 215057.4 | 0.0 | S |
| 18.067 | 1.0881 | 0.0000 | 84.900 | 3.74940 | 0.00000 | 588825.5 | 215470.0 | 0.0 | S |
| 18.075 | 1.0783 | 0.0000 | 84.899 | 3.73720 | 0.00000 | 588858.0 | 215282.3 | 0.0 | S |
| 18.083 | 1.0673 | 0.0000 | 84.898 | 3.72510 | 0.00000 | 588890.2 | 215394.3 | 0.0 | S |
| 18.092 | 1.0555 | 0.0000 | 84.897 | 3.71310 | 0.00000 | 588922.1 | 215505.9 | 0.0 | S |
| 18.100 | 1.0431 | 0.0000 | 84.896 | 3.70119 | 0.00000 | 588953.5 | 215617.1 | 0.0 | S |
| 18.108 | 1.0306 | 0.0000 | 84.895 | 3.68938 | 0.00000 | 588984.6 | 215727.9 | 0.0 | S |
| 18.117 | 1.0181 | 0.0000 | 84.894 | 3.67766 | 0.00000 | 589015.4 | 215838.4 | 0.0 | S |
| 18.125 | 1.0059 | 0.0000 | 84.893 | 3.66604 | 0.00000 | 589045.7 | 215948.6 | 0.0 | S |
| 18.133 | 0.9942 | 0.0000 | 84.892 | 3.65452 | 0.00000 | 589075.7 | 216058.4 | 0.0 | S |
| 18.142 | 0.9832 | 0.0000 | 84.891 | 3.64309 | 0.00000 | 589105.4 | 218167.9 | 0.0 | S |
| 18.150 | 0.9729 | 0.0000 | 84.890 | 3.63175 | 0.00000 | 589134.7 | 216277.0 | 0.0 | S |
| 18.158 | 0.9634 | 0.0000 | 84.889 | 3.62051 | 0.00000 | 589163.8 | 216385.8 | 0.0 | S |
| 18.167 | 0,9549 | 0.0000 | 84.888 | 3.60937 | 0.00000 | 589192.5 | 216494.2 | 0.0 | S |
| 18.175 | 0.9475 | 0.0000 | 84.887 | 3.59832 | 0.00000 | 589221.1 | 216602.3 | 0.0 | S |
| 18.183 | 0.9411 | 0.0000 | 84.886 | 3.58737 | 0.00000 | 589249.4 | 216710.1 | 0.0 | S |
| 18.192 | 0.9356 | 0.0000 | 84.885 | 3.57652 | 0.00000 | 589277.6 | 216817.6 | 0.0 | S |
| 18.200 | 0.9307 | 0.0000 | 84.884 | 3.56576 | 0.00000 | 589305.6 | 216924.7 | 0.0 | S |
| 18.208 | 0.9263 | 0.0000 | 84.882 | 3.55509 | 0.00000 | 589333.4 | 217031.5 | 0.0 | S |
| 18.217 | 0.9225 | 0.0000 | 84.881 | 3.54451 | 0.00000 | 589361.1 | 217138.0 | 0.0 | S |
| 18.225 | 0.9191 | 0.0000 | 84.880 | 3.53403 | 0.00000 | 589388.8 | 217244.2 | 0.0 | S |
| 18.233 | 0.9161 | 0.0000 | 84.879 | 3.52364 | 0.00000 | 589416.3 | 217350.0 | 0.0 | S |
| 18.242 | 0.9134 | 0.0000 | 84.878 | 3.51334 | 0.00000 | 589443.7 | 217455.6 | 0.0 | S |
| 18.250 | 0.9110 | 0.0000 | 84.877 | 3.50312 | 0.00000 | 589471.1 | 217560.8 | 0.0 | S |
| 18.258 | 0.9088 | 0.0000 | 84.876 | 3.49299 | 0.00000 | 589498.4 | 217665.8 | 0.0 | S |
| 18.267 | 0.9070 | 0.0000 | 84.875 | 3.48295 | 0.00000 | 589525.6 | 217770.4 | 0.0 | S |
| 18.275 | 0.9053 | 0.0000 | 84.874 | 3.47299 | 0.00000 | 589552.8 | 217874.8 | 0.0 | S |
| 18.283 | 0.9039 | 0.0000 | 84.873 | 3.46311 | 0.00000 | 589579.9 | 217978.8 | 0.0 | S |
| 18.292 | 0.9026 | 0.0000 | 84.872 | 3.45332 | 0.00000 | 589607.1 | 218082.5 | 0.0 | S |
| 18.300 | 0.9014 | 0.0000 | 84.871 | 3.44361 | 0.00000 | 589634.1 | 218186.0 | 0.0 | S |
| 18.308 | 0.9004 | 0.0000 | 84.870 | 3.43398 | 0.00000 | 589661.1 | 218289.2 | 0.0 | S |
| 18.317 | 0.8995 | 0.0000 | 84.869 | 3.42442 | 0.00000 | 589688.1 | 218392.0 | 0.0 | S |
| 18.325 | 0.8987 | 0.0000 | 84.868 | 3.41494 | 0.00000 | 589715.1 | 218494.6 | 0.0 | S |
| 18.333 | 0.8980 | 0.0000 | 84.867 | 3.40554 | 0.00000 | 589742.1 | 218596.9 | 0.0 | S |
| 18.342 | 0.8974 | 0.0000 | 84.866 | 3.39622 | 0.00000 | 589769.0 | 218699.0 | 0.0 | S |
| 18.350 | 0.8969 | 0.0000 | 84.865 | 3.38697 | 0.00000 | 589795.9 | 218800.7 | 0.0 | S |
| 18.358 | 0.8964 | 0.0000 | 84.864 | 3.37779 | 0.00000 | 589822.8 | 218902.2 | 0.0 | S |
| 18.367 | 0.8959 | 0.0000 | 84.863 | 3.36869 | 0.00000 | 589849.7 | 219003.4 | 0.0 | S |
| 18.375 | 0.8956 | 0.0000 | 84.862 | 3.35965 | 0.00000 | 589876.6 | 219104.3 | 0.0 | S |
| 18.383 | 0.8952 | 0.0000 | 84.861 | 3.35069 | 0.00000 | 589903.4 | 219205.0 | 0.0 | S |
| 18.392 | 0.8949 | 0.0000 | 84.860 | 3.34180 | 0.00000 | 589930.3 | 219305.3 | 0.0 | S |
| 18.400 | 0.8947 | 0.0000 | 84.859 | 3.33297 | 0.00000 | 589957.1 | 219405.5 | 0.0 | S |
| 18.408 | 0.8944 | 0.0000 | 84.858 | 3.32421 | 0.00000 | 589983.9 | 219505.3 | 0.0 | S |
| 18.417 | 0.8942 | 0.0000 | 84.857 | 3.31552 | 0.00000 | 590010.8 | 219604.9 | 0.0 | S |
| 18.425 | 0.8940 | 0.0000 | 84.856 | 3.30690 | 0.00000 | 590037.6 | 219704.3 | 0.0 | S |
| 18.433 | 0.8939 | 0.0000 | 84.855 | 3.29834 | 0.00000 | 590064.4 | 219803.3 | 0.0 | S |
| 18.442 | 0.8937 | 0.0000 | 84.854 | 3.28984 | 0.00000 | 590091.3 | 219902.2 | 0.0 | S |
| 18.450 | 0.8936 | 0.0000 | 84.853 | 3.28141 | 0.00000 | 590118.1 | 220000.7 | 0.0 | S |
| 18.458 | 0.8935 | 0.0000 | 84.852 | 3.27304 | 0.00000 | 590144.8 | 220099.0 | 0.0 | S |
| 18.467 | 0.8934 | 0.0000 | 84.852 | 3.26473 | 0.00000 | 590171.6 | 220197.1 | 0.0 | S |
| 18.475 | 0.8933 | 0.0000 | 84.851 | 3.25648 | 0.00000 | 590198.4 | 220294.9 | 0.0 | S |
| 18.483 | 0.8932 | 0.0000 | 84.850 | 3.24830 | 0.00000 | 590225.3 | 220392.5 | 0.0 | S |
| 18.492 | 0.8931 | 0.0000 | 84.849 | 3.24017 | 0.00000 | 590252.1 | 220489.8 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (It datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumułative Inflow Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 18.500 | 0.8930 | 0.0000 | 84.848 | 3.23210 | 0.00000 | 590278.8 | 220586.9 | 0.0 | S |
| 18.508 | 0.8931 | 0.0000 | 84.847 | 3.22409 | 0.00000 | 590305.6 | 220683.8 | 0.0 | S |
| 18.517 | 0.8937 | 0.0000 | 84.846 | 3.21614 | 0.00000 | 590332.4 | 220780.4 | 0.0 | S |
| 18.525 | 0.8948 | 0.0000 | 84.845 | 3.20825 | 0.00000 | 590359.3 | 220876.7 | 0.0 | S |
| 18.533 | 0.8968 | 0.0000 | 84.844 | 3.20041 | 0.00000 | 590386.1 | 220972.8 | 0.0 | S |
| 18.542 | 0.8997 | 0.0000 | 84.843 | 3.19264 | 0.00000 | 590413.1 | 221068.7 | 0.0 | S |
| 18.550 | 0.9039 | 0.0000 | 84.842 | 3.18493 | 0.00000 | 590440.1 | 221164.4 | 0.0 | S |
| 18.558 | 0.9097 | 0.0000 | 84.841 | 3.17728 | 0.00000 | 590467.3 | 221259.8 | 0.0 | S |
| 18.567 | 0.9171 | 0.0000 | 84.840 | 3.16969 | 0.00000 | 590494.8 | 221355.0 | 0.0 | S |
| 18.575 | 0.9261 | 0.0000 | 84.840 | 3.16217 | 0.00000 | 590522.4 | 221450.0 | 0.0 | S |
| 18.583 | 0.9365 | 0.0000 | 84.839 | 3.15472 | 0.00000 | 590550.3 | 221544.8 | 0.0 | S |
| 18.592 | 0.9480 | 0.0000 | 84.838 | 3.14733 | 0.00000 | 590578.6 | 221639.3 | 0.0 | S |
| 18.600 | 0.9601 | 0.0000 | 84.837 | 3.14000 | 0.00000 | 590607.2 | 221733.6 | 0.0 | S |
| 18.608 | 0.9726 | 0.0000 | 84.836 | 3.13274 | 0.00000 | 590636.2 | 221827.7 | 0.0 | S |
| 18.617 | 0.9851 | 0.0000 | 84.835 | 3.12554 | 0.00000 | 590665.6 | 221921.6 | 0.0 | S |
| 18.625 | 0.9974 | 0.0000 | 84.834 | 3.11840 | 0.00000 | 590695.3 | 222015.2 | 0.0 | S |
| 18.633 | 1.0094 | 0.0000 | 84.833 | 3.11132 | 0.00000 | 590725.4 | 222108.7 | 0.0 | S |
| 18.642 | 1.0207 | 0.0000 | 84.833 | 3.10429 | 0.00000 | 590755.9 | 222201.9 | 0.0 | S |
| 18.650 | 1.0313 | 0.0000 | 84.832 | 3.09732 | 0.00000 | 590786.6 | 222294.9 | 0.0 | S |
| 18.658 | 1.0412 | 0.0000 | 84.831 | 3.09040 | 0.00000 | 590817.8 | 222387.8 | 0.0 | S |
| 18.667 | 1.0501 | 0.0000 | 84.830 | 3.08353 | 0.00000 | 590849.1 | 222480.4 | 0.0 | S |
| 18.675 | 1.0581 | 0.0000 | 84.829 | 3.07670 | 0.00000 | 590880.7 | 222572.8 | 0.0 | S |
| 18.683 | 1.0650 | 0.0000 | 84.829 | 3.06992 | 0.00000 | 590912.6 | 222665.0 | 0.0 | S |
| 18.692 | 1.0709 | 0.0000 | 84.828 | 3.06318 | 0.00000 | 590944.6 | 222757.0 | 0.0 | S |
| 18.700 | 1.0761 | 0.0000 | 84.827 | 3.05649 | 0.00000 | 590976.8 | 222848.8 | 0.0 | S |
| 18.708 | 1.0807 | 0.0000 | 84.826 | 3.04984 | 0.00000 | 591009.1 | 222940.3 | 0.0 | S |
| 18.717 | 1.0848 | 0.0000 | 84.825 | 3.04322 | 0.00000 | 591041.6 | 223031.8 | 0.0 | S |
| 18.725 | 1.0884 | 0.0000 | 84.825 | 3.03665 | 0.00000 | 591074.3 | 223122.9 | 0.0 | S |
| 18.733 | 1.0916 | 0.0000 | 84.824 | 3.03012 | 0.00000 | 591106.9 | 223213.9 | 0.0 | S |
| 18.742 | 1.0945 | 0.0000 | 84.823 | 3.02362 | 0.00000 | 591139.8 | 223304.8 | 0.0 | S |
| 18.750 | 1.0970 | 0.0000 | 84.822 | 3.01717 | 0.00000 | 591172.6 | 223395.4 | 0.0 | S |
| 18.758 | 1.0993 | 0.0000 | 84.822 | 3.01075 | 0.00000 | 591205.6 | 223485.8 | 0.0 | S |
| 18.767 | 1.1013 | 0.0000 | 84.821 | 3.00437 | 0.00000 | 591238.6 | 223576.0 | 0.0 | S |
| 18.775 | 1.1030 | 0.0000 | 84.820 | 2.99803 | 0.00000 | 591271.6 | 223666.0 | 0.0 | S |
| 18.783 | 1.1046 | 0.0000 | 84.819 | 2.99173 | 0.00000 | 591304.8 | 223755.9 | 0.0 | S |
| 18.792 | 1.1059 | 0.0000 | 84.818 | 2.98546 | 0.00000 | 581337.9 | 223845.5 | 0.0 | S |
| 18.800 | 1.1072 | 0.0000 | 84.818 | 2.97923 | 0.00000 | 591371.1 | 223935.0 | 0.0 | S |
| 18.808 | 1.1082 | 0.0000 | 84.817 | 2.97303 | 0.00000 | 591404.3 | 224024.3 | 0.0 | S |
| 18.817 | 1.1092 | 0.0000 | 84.816 | 2.96687 | 0.00000 | 591437.6 | 224113.4 | 0.0 | S |
| 18.825 | 1.1100 | 0.0000 | 84.815 | 2.96075 | 0.00000 | 591470.9 | 224202.3 | 0.0 | S |
| 18.833 | 1.1108 | 0.0000 | 84.815 | 2.95466 | 0.00000 | 591504.2 | 224291.0 | 0.0 | S |
| 18.842 | 1.1114 | 0.0000 | 84.814 | 2.94861 | 0.00000 | 591537.5 | 224379.6 | 0.0 | S |
| 18.850 | 1.1120 | 0.0000 | 84.813 | 2.94259 | 0.00000 | 591570.9 | 224468.0 | 0.0 | S |
| 18.858 | 1.1125 | 0.0000 | 84.813 | 2.93661 | 0.00000 | 591604.3 | 224556.1 | 0.0 | S |
| 18.867 | 1.1130 | 0.0000 | 84.812 | 2.93066 | 0.00000 | 591637.6 | 224644.2 | 0.0 | S |
| 18.875 | 1.1134 | 0.0000 | 84.811 | 2.92474 | 0.00000 | 591671.0 | 224732.0 | 0.0 | S |
| 18.883 | 1.1138 | 0.0000 | 84.810 | 2.91886 | 0.00000 | 591704.4 | 224819.6 | 0.0 | S |
| 18.892 | 1.1141 | 0.0000 | 84.810 | 2.91301 | 0.00000 | 591737.8 | 224907.1 | 0.0 | S |
| 18.900 | 1.1144 | 0.0000 | 84.809 | 2.90720 | 0.00000 | 591771.3 | 224994.4 | 0.0 | S |
| 18.908 | 1.1146 | 0.0000 | 84.808 | 2.90141 | 0.00000 | 591804.7 | 225081.5 | 0.0 | S |
| 18.917 | 1.1148 | 0.0000 | 84.807 | 2.89566 | 0.00000 | 591838.1 | 225168.5 | 0.0 | S |
| 18.925 | 1.1150 | 0.0000 | 84.807 | 2.88995 | 0.00000 | 591871.6 | 225255.3 | 0.0 | S |
| 18.933 | 1.1152 | 0.0000 | 84.806 | 2.88426 | 0.00000 | 591905.1 | 225341.9 | 0.0 | S |
| 18.942 | 1.1153 | 0.0000 | 84.805 | 2.87861 | 0.00000 | 591938.5 | 225428.3 | 0.0 | S |
| 18.950 | 1.1155 | 0.0000 | 84.805 | 2.87299 | 0.00000 | 591971.9 | 225514.6 | 0.0 | S |
| 18.958 | 1.1156 | 0.0000 | 84.804 | 2.86740 | 0.00000 | 592005.4 | 225600.7 | 0.0 | S |
| 18.967 | 1.1157 | 0.0000 | 84.803 | 2.86184 | 0.00000 | 592038.9 | 225686.7 | 0.0 | S |
| 18.975 | 1.1158 | 0.0000 | 84.803 | 2.85631 | 0.00000 | 592072.4 | 225772.4 | 0.0 | S |
| 18.983 | 1.1159 | 0.0000 | 84.802 | 2.85081 | 0.00000 | 592105.8 | 225858.0 | 0.0 | S |
| 18.992 | 1.1160 | 0.0000 | 84.801 | 2.84535 | 0.00000 | 592139.3 | 225943.5 | 0.0 | S |
| 19.000 | 1.1161 | 0.0000 | 84.800 | 2.83991 | 0.00000 | 592172.8 | 226028.8 | 0.0 | S |
| 19.008 | 1.1161 | 0.0000 | 84.800 | 2.83450 | 0.00000 | 592206.3 | 226113.9 | 0.0 | S |
| 19.017 | 1.1155 | 0.0000 | 84.799 | 2.82912 | 0.00000 | 592239.8 | 226198.8 | 0.0 | S |
| 19.025 | 1.1139 | 0.0000 | 84.798 | 2.82377 | 0.00000 | 592273.2 | 226283.6 | 0.0 | S |
| 19.033 | 1.1108 | 0.0000 | 84.798 | 2.81844 | 0.00000 | 592306.6 | 226368.3 | 0.0 | S |
| 19.042 | 1.1059 | 0.0000 | 84.797 | 2.81313 | 0.00000 | 592339.8 | 226452.7 | 0.0 | S |
| 19.050 | 1.0988 | 0.0000 | 84.796 | 2.80784 | 0.00000 | 592372.9 | 226537.0 | 0.0 | S |
| 19.058 | 1.0889 | 0.0000 | 84.796 | 2.80256 | 0.00000 | 592405.7 | 226621.2 | 0.0 | S |
| 19.067 | 1.0758 | 0.0000 | 84.795 | 2.79729 | 0.00000 | 592438.2 | 226705.2 | 0.0 | S |
| 19.075 | 1.0592 | 0.0000 | 84.794 | 2.79203 | 0.00000 | 592470.2 | 226789.0 | 0.0 | S |
| 19.083 | 1.0395 | 0.0000 | 84.794 | 2.78677 | 0.00000 | 592501.7 | 226872.7 | 0.0 | S |
| 19.092 | 1.0175 | 0.0000 | 84.793 | 2.78150 | 0.00000 | 592532.6 | 226956.3 | 0.0 | S |
| 19.100 | 0.9938 | 0.0000 | 84.792 | 2.77624 | 0.00000 | 592562.7 | 227039.6 | 0.0 | S |
| 19.108 | 0.9689 | 0.0000 | 84.791 | 2.77097 | 0.00000 | 592592.1 | 227122.8 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infitration Rate ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infittration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 19.117 | 0.9439 | 0.0000 | 84.791 | 2.76571 | 0.00000 | 592620.8 | 227205.9 | 0.0 | S |
| 19.125 | 0.9190 | 0.0000 | 84.790 | 2.76045 | 0.00000 | 592648.8 | 227288.8 | 0.0 | S |
| 19.133 | 0.8946 | 0.0000 | 84.789 | 2.75520 | 0.00000 | 592676.0 | 227371.5 | 0.0 | S |
| 19.142 | 0.8714 | 0.0000 | 84.789 | 2.74996 | 0.00000 | 592702.5 | 227454.1 | 0.0 | S |
| 19.150 | 0.8494 | 0.0000 | 84.788 | 2.74473 | 0.00000 | 592728.3 | 227536.5 | 0.0 | S |
| 19.158 | 0.8289 | 0.0000 | 84.787 | 2.73952 | 0.00000 | 592753.5 | 227618.8 | 0.0 | S |
| 19.167 | 0.8101 | 0.0000 | 84.786 | 2.73432 | 0.00000 | 592778.1 | 227700.9 | 0.0 | S |
| 19.175 | 0.7931 | 0.0000 | 84.785 | 2.72915 | 0.00000 | 592802.1 | 227782.8 | 0.0 | S |
| 19.183 | 0.7784 | 0.0000 | 84.785 | 2.72400 | 0.00000 | 592825.7 | 227864.6 | 0.0 | S |
| 19.192 | 0.7657 | 0.0000 | 84.784 | 2.71888 | 0.00000 | 592848.8 | 227946.3 | 0.0 | S |
| 19.200 | 0.7547 | 0.0000 | 84.783 | 2.71379 | 0.00000 | 592871.6 | 228027.8 | 0.0 | S |
| 19.208 | 0.7449 | 0.0000 | 84.782 | 2.70872 | 0.00000 | 592894.1 | 228109.1 | 0.0 | S |
| 19.217 | 0.7363 | 0.0000 | 84.782 | 2.70369 | 0.00000 | 592916.4 | 228190.3 | 0.0 | S |
| 19.225 | 0.7287 | 0.0000 | 84.781 | 2.69869 | 0.00000 | 592938.3 | 228271.3 | 0.0 | S |
| 19.233 | 0.7220 | 0.0000 | 84.780 | 2.69372 | 0.00000 | 592960.1 | 228352.2 | 0.0 | S |
| 19.242 | 0.7159 | 0.0000 | 84.779 | 2.68877 | 0.00000 | 592981.7 | 228432.9 | 0.0 | S |
| 19.250 | 0.7105 | 0.0000 | 84.778 | 2.68386 | 0.00000 | 593003.1 | 228513.5 | 0.0 | S |
| 19.258 | 0.7057 | 0.0000 | 84.778 | 2.67898 | 0.00000 | 593024.3 | 228594.0 | 0.0 | S |
| 19.267 | 0.7015 | 0.0000 | 84.777 | 2.67413 | 0.00000 | 593045.4 | 228674.3 | 0.0 | S |
| 19.275 | 0.6978 | 0.0000 | 84.776 | 2.66930 | 0.00000 | 593066.4 | 228754.4 | 0.0 | S |
| 19.283 | 0.6945 | 0.0000 | 84.775 | 2.66451 | 0.00000 | 593087.3 | 228834.4 | 0.0 | S |
| 19.292 | 0.6916 | 0.0000 | 84.774 | 2.65974 | 0.00000 | 593108.1 | 228914.3 | 0.0 | S |
| 19.300 | 0.6890 | 0.0000 | 84.774 | 2.65500 | 0.00000 | 593128.8 | 228994.0 | 0.0 | S |
| 19.308 | 0.6867 | 0.0000 | 84.773 | 2.65029 | 0.00000 | 593149.4 | 229073.6 | 0.0 | S |
| 19.317 | 0.6847 | 0.0000 | 84.772 | 2.64561 | 0.00000 | 593170.0 | 229153.0 | 0.0 | S |
| 19.325 | 0.6829 | 0.0000 | 84.771 | 2.64095 | 0.00000 | 593190.5 | 229232.3 | 0.0 | S |
| 19.333 | 0.6813 | 0.0000 | 84.770 | 2.63632 | 0.00000 | 593210.9 | 229311.5 | 0.0 | S |
| 19.342 | 0.6800 | 0.0000 | 84.770 | 2.63172 | 0.00000 | 593231.4 | 229390.5 | 0.0 | S |
| 19.350 | 0.6787 | 0.0000 | 84.769 | 2.62714 | 0.00000 | 593251.8 | 229469.4 | 0.0 | S |
| 19.358 | 0.6776 | 0.0000 | 84.768 | 2.62259 | 0.00000 | 593272.1 | 229548.1 | 0.0 | S |
| 19.367 | 0.6767 | 0.0000 | 84.767 | 2.61806 | 0.00000 | 593292.4 | 229626.7 | 0.0 | S |
| 19.375 | 0.6758 | 0.0000 | 84.767 | 2.61356 | 0.00000 | 593312.7 | 229705.2 | 0.0 | S |
| 19.383 | 0.6751 | 0.0000 | 84.766 | 2.60908 | 0.00000 | 593333.0 | 229783.5 | 0.0 | S |
| 19.392 | 0.6744 | 0.0000 | 84.765 | 2.60463 | 0.00000 | 593353.3 | 229861.8 | 0.0 | S |
| 19.400 | 0.6738 | 0.0000 | 84.764 | 2.60020 | 0.00000 | 593373.4 | 229939.8 | 0.0 | S |
| 19.408 | 0.6733 | 0.0000 | 84.763 | 2.59579 | 0.00000 | 593393.6 | 230017.8 | 0.0 | S |
| 19.417 | 0.6728 | 0.0000 | 84.763 | 2.59141 | 0.00000 | 593413.8 | 230095.6 | 0.0 | S |
| 19.425 | 0.6724 | 0.0000 | 84.762 | 2.58705 | 0.00000 | 593434.0 | 230173.3 | 0.0 | S |
| 19.433 | 0.6720 | 0.0000 | 84.761 | 2.58271 | 0.00000 | 593454.2 | 230250.8 | 0.0 | S |
| 19.442 | 0.6717 | 0.0000 | 84.760 | 2.57839 | 0.00000 | 593474.3 | 230328.2 | 0.0 | S |
| 19.450 | 0.6714 | 0.0000 | 84.760 | 2.57410 | 0.00000 | 593494.5 | 230405.5 | 0.0 | S |
| 19.458 | 0.6712 | 0.0000 | 84.759 | 2.56983 | 0.00000 | 593514.6 | 230482.7 | 0.0 | S |
| 19.467 | 0.6709 | 0.0000 | 84.758 | 2.56558 | 0.00000 | 593534.8 | 230559.7 | 0.0 | S |
| 19.475 | 0.6707 | 0.0000 | 84.757 | 2.56135 | 0.00000 | 593554.9 | 230636.6 | 0.0 | S |
| 19.483 | 0.6705 | 0.0000 | 84.757 | 2.55714 | 0.00000 | 593575.0 | 230713.4 | 0.0 | S |
| 19.492 | 0.6703 | 0.0000 | 84.756 | 2.55295 | 0.00000 | 593595.1 | 230790.0 | 0.0 | S |
| 19.500 | 0.6702 | 0.0000 | 84.755 | 2.54879 | 0.00000 | 593615.3 | 230866.5 | 0.0 | S |
| 19.508 | 0.6701 | 0.0000 | 84.754 | 2.54464 | 0.00000 | 593635.3 | 230943.0 | 0.0 | S |
| 19.517 | 0.6702 | 0.0000 | 84.754 | 2.54051 | 0.00000 | 593655.4 | 231019.2 | 0.0 | S |
| 19.525 | 0.6708 | 0.0000 | 84.753 | 2.53641 | 0.00000 | 593675.6 | 231095.4 | 0.0 | S |
| 19.533 | 0.6722 | 0.0000 | 84.752 | 2.53233 | 0.00000 | 593695.7 | 231171.4 | 0.0 | S |
| 19.542 | 0.6745 | 0.0000 | 84.751 | 2.52827 | 0.00000 | 593715.9 | 231247.3 | 0.0 | S |
| 19.550 | 0.6781 | 0.0000 | 84.751 | 2.52424 | 0.00000 | 593736.2 | 231323.1 | 0.0 | S |
| 19.558 | 0.6832 | 0.0000 | 84.750 | 2.52023 | 0.00000 | 593756.6 | 231398.8 | 0.0 | S |
| 19.567 | 0.6902 | 0.0000 | 84.749 | 2.51626 | 0.00000 | 593777.2 | 231474.3 | 0.0 | S |
| 19.575 | 0.6992 | 0.0000 | 84.748 | 2.51231 | 0.00000 | 593798.1 | 231549.8 | 0.0 | S |
| 19.583 | 0.7101 | 0.0000 | 84.748 | 2.50840 | 0.00000 | 593819.2 | 231625.1 | 0.0 | S |
| 19.592 | 0.7226 | 0.0000 | 84.747 | 2.50453 | 0.00000 | 593840.7 | 231700.3 | 0.0 | S |
| 19.600 | 0.7364 | 0.0000 | 84.746 | 2.50069 | 0.00000 | 593862.6 | 231775.3 | 0.0 | S |
| 19.608 | 0.7510 | 0.0000 | 84.745 | 2.49688 | 0.00000 | 593884.9 | 231850.3 | 0.0 | S |
| 19.617 | 0.7660 | 0.0000 | 84.745 | 2.49311 | 0.00000 | 593907.6 | 231925.1 | 0.0 | S |
| 19.625 | 0.7809 | 0.0000 | 84.744 | 2.48937 | 0.00000 | 593930.8 | 231999.9 | 0.0 | S |
| 19.633 | 0.7957 | 0.0000 | 84.743 | 2.48566 | 0.00000 | 593954.5 | 232074.5 | 0.0 | S |
| 19.642 | 0.8100 | 0.0000 | 84.743 | 2.48198 | 0.00000 | 593978.6 | 232149.0 | 0.0 | S |
| 19.650 | 0.8236 | 0.0000 | 84.742 | 2.47832 | 0.00000 | 594003.1 | 232223.4 | 0.0 | S |
| 19.658 | 0.8363 | 0.0000 | 84.741 | 2.47469 | 0.00000 | 594027.9 | 232297.7 | 0.0 | S |
| 19.667 | 0.8481 | 0.0000 | 84.741 | 2.47108 | 0.00000 | 594053.3 | 232371.9 | 0.0 | S |
| 19.675 | 0.8588 | 0.0000 | 84.740 | 2.46749 | 0.00000 | 594078.8 | 232446.0 | 0.0 . | S |
| 19.683 | 0.8683 | 0.0000 | 84.739 | 2.46392 | 0.00000 | 594104.8 | 232520.0 | $0.0{ }^{\circ}$ | S |
| 19.692 | 0.8765 | 0.0000 | 84.739 | 2.46037 | 0.00000 | 594130.9 | 232593.8 | 0.0 | S |
| 19.700 | 0.8836 | 0.0000 | 84.738 | 2.45683 | 0.00000 | 594157.3 | 232667.6 | 0.0 | S |
| 19.708 | 0.8898 | 0.0000 | 84.738 | 2.45330 | 0.00000 | 594183.9 | 232741.2 | 0.0 | S |
| 19.717 | 0.8953 | 0.0000 | 84.737 | 2.44978 | 0.00000 | 594210.7 | 232814.8 | 0.0 | S |
| 19.725 | 0.9002 | 0.0000 | 84.736 | 2.44628 | 0.00000 | 594237.6 | 232888.2 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3 / 3} \mathrm{~s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 19.733 | 0.9045 | 0.0000 | 84.736 | 2.44279 | 0.00000 | 594264.7 | 232961.5 | 0.0 | S |
| 19.742 | 0.9083 | 0.0000 | 84.735 | 2.43932 | 0.00000 | 594291.9 | 233034.8 | 0.0 | S |
| 19.750 | 0.9117 | 0.0000 | 84.734 | 2.43585 | 0.00000 | 594319.2 | 233107.9 | 0.0 | S |
| 19.758 | 0.9148 | 0.0000 | 84.734 | 2.43240 | 0.00000 | 594346.6 | 233180.9 | 0.0 | S |
| 19.767 | 0.9175 | 0.0000 | 84.733 | 2.42896 | 0.00000 | 594374.1 | 233253.9 | 0.0 | S |
| 19.775 | 0.9199 | 0.0000 | 84.733 | 2.42553 | 0.00000 | 594401.6 | 233326.7 | 0.0 | S |
| 19.783 | 0.9219 | 0.0000 | 84.732 | 2.42211 | 0.00000 | 594429.3 | 233399.4 | 0.0 | S |
| 19.792 | 0.9238 | 0.0000 | 84.731 | 2.41870 | 0.00000 | 594456.9 | 233472.0 | 0.0 | S |
| 19.800 | 0.9254 | 0.0000 | 84.731 | 2.41530 | 0.00000 | 594484.7 | 233544.5 | 0.0 | S |
| 19.808 | 0.9269 | 0.0000 | 84.730 | 2.41192 | 0.00000 | 594512.4 | 233616.9 | 0.0 | S |
| 19.817 | 0.9282 | 0.0000 | 84.730 | 2.40855 | 0.00000 | 594540.3 | 233689.2 | 0.0 | S |
| 19.825 | 0.9293 | 0.0000 | 84.729 | 2.40519 | 0.00000 | 594568.1 | 233761.4 | 0.0 | S |
| 19.833 | 0.9303 | 0.0000 | 84.728 | 2.40184 | 0.00000 | 594596.1 | 233833.5 | 0.0 | S |
| 19.842 | 0.9312 | 0.0000 | 84.728 | 2.39850 | 0.00000 | 594624.0 | 233905.5 | 0.0 | S |
| 19.850 | 0.9320 | 0.0000 | 84.727 | 2.39517 | 0.00000 | 594651.9 | 233977.4 | 0.0 | S |
| 19.858 | 0.9327 | 0.0000 | 84.727 | 2.39186 | 0.00000 | 594679.9 | 234049.3 | 0.0 | S |
| 19.867 | 0.9333 | 0.0000 | 84.726 | 2.38856 | 0.00000 | 594707.9 | 234121.0 | 0.0 | S |
| 19.875 | 0.9339 | 0.0000 | 84.725 | 2.38526 | 0.00000 | 594735.9 | 234192.6 | 0.0 | S |
| 19.883 | 0.9343 | 0.0000 | 84.725 | 2.38199 | 0.00000 | 594763.9 | 234264.1 | 0.0 | S |
| 19.892 | 0.9348 | 0.0000 | 84.724 | 2.37872 | 0.00000 | 594791.9 | 234335.5 | 0.0 | S |
| 19.900 | 0.9352 | 0.0000 | 84.724 | 2.37546 | 0.00000 | 594820.0 | 234406.8 | 0.0 | S |
| 19.908 | 0.9355 | 0.0000 | 84.723 | 2.37222 | 0.00000 | 594848.1 | 234478.0 | 0.0 | S |
| 19.917 | 0.9358 | 0.0000 | 84.723 | 2.36899 | 0.00000 | 594876.1 | 234549.1 | 0.0 | S |
| 19.925 | 0.9360 | 0.0000 | 84.722 | 2.36576 | 0.00000 | 594904.2 | 234620.1 | 0.0 | S |
| 19.933 | 0.9363 | 0.0000 | 84.721 | 2.36256 | 0.00000 | 594932.3 | 234691.1 | 0.0 | S |
| 19.942 | 0.9365 | 0.0000 | 84.721 | 2.35936 | 0.00000 | 594960.4 | 234761.9 | 0.0 | S |
| 19.950 | 0.9367 | 0.0000 | 84.720 | 2.35617 | 0.00000 | 594988.5 | 234832.6 | 0.0 | S |
| 19.958 | 0.9368 | 0.0000 | 84.720 | 2.35300 | 0.00000 | 595016.6 | 234903.3 | 0.0 | S |
| 19.967 | 0.9370 | 0.0000 | 84.719 | 2.34984 | 0.00000 | 595044.7 | 234973.8 | 0.0 | S |
| 19.975 | 0.9371 | 0.0000 | 84.718 | 2.34668 | 0.00000 | 595072.8 | 235044.3 | 0.0 | S |
| 19.983 | 0.9372 | 0.0000 | 84.718 | 2.34355 | 0.00000 | 595100.9 | 235114.6 | 0.0 | S |
| 19.992 | 0.9373 | 0.0000 | 84.717 | 2.34042 | 0.00000 | 595129.1 | 235184.9 | 0.0 | S |
| 20.000 | 0.9368 | 0.0000 | 84.717 | 2.33730 | 0.00000 | 595157.1 | 235255.0 | 0.0 | S |
| 20.008 | 0.9352 | 0.0000 | 84.716 | 2.33419 | 0.00000 | 595185.3 | 235325.1 | 0.0 | S |
| 20.017 | 0.9319 | 0.0000 | 84.716 | 2.33109 | 0.00000 | 595213.3 | 235395.1 | 0.0 | S |
| 20.025 | 0.9268 | 0.0000 | 84.715 | 2.32798 | 0.00000 | 595241.1 | 235465.0 | 0.0 | S |
| 20.033 | 0.9193 | 0.0000 | 84.715 | 2.32488 | 0.00000 | 595268.8 | 235534.8 | 0.0 | S |
| 20.042 | 0.9087 | 0.0000 | 84.714 | 2.32177 | 0.00000 | 595296.3 | 235604.5 | 0.0 | S |
| 20.050 | 0.8946 | 0.0000 | 84.713 | 2.31866 | 0.00000 | 595323.3 | 235674.1 | 0.0 | S |
| 20.058 | 0.8765 | 0.0000 | 84.713 | 2.31552 | 0.00000 | 595349.8 | 235743.6 | 0.0 | S |
| 20.067 | 0.8552 | 0.0000 | 84.712 | 2.31237 | 0.00000 | 595375.8 | 235813.0 | 0.0 | S |
| 20.075 | 0.8311 | 0.0000 | 84.712 | 2.30921 | 0.00000 | 595401.1 | 235882.3 | 0.0 | S |
| 20.083 | 0.8052 | 0.0000 | 84.711 | 2.30602 | 0.00000 | 595425.6 | 235951.6 | 0.0 | S |
| 20.092 | 0.7779 | 0.0000 | 84.710 | 2.30281 | 0.00000 | 595449.4 | 236020.7 | 0.0 | S |
| 20.100 | 0.7504 | 0.0000 | 84.710 | 2.29958 | 0.00000 | 595472.3 | 236089.7 | 0.0 | S |
| 20.108 | 0.7230 | 0.0000 | 84.709 | 2.29635 | 0.00000 | 595494.4 | 236158.7 | 0.0 | S |
| 20.117 | 0.6961 | 0.0000 | 84.709 | 2.29309 | 0.00000 | 595515.7 | 236227.5 | 0.0 | S |
| 20.125 | 0.6704 | 0.0000 | 84.708 | 2.28984 | 0.00000 | 595536.2 | 236296.3 | 0.0 | S |
| 20.133 | 0.6461 | 0.0000 | 84.707 | 2.28658 | 0.00000 | 595555.9 | 236364.9 | 0.0 | S |
| 20.142 | 0.6234 | 0.0000 | 84.707 | 2.28331 | 0.00000 | 595575.0 | 236433.5 | 0.0 | S |
| 20.150 | 0.6026 | 0.0000 | 84.706 | 2.28005 | 0.00000 | 595593.4 | 236501.9 | 0.0 | S |
| 20.158 | 0.5837 | 0.0000 | 84.705 | 2.27680 | 0.00000 | 595611.2 | 236570.3 | 0.0 | S |
| 20.167 | 0.5674 | 0.0000 | 84.705 | 2.27356 | 0.00000 | 595628.4 | 236638.5 | 0.0 | S |
| 20.175 | 0.5532 | 0.0000 | 84.704 | 2.27033 | 0.00000 | 595645.3 | 236706.7 | 0.0 | S |
| 20.183 | 0.5409 | 0.0000 | 84.703 | 2.26711 | 0.00000 | 595661.7 | 236774.7 | 0.0 | S |
| 20.192 | 0.5301 | 0.0000 | 84.702 | 2.26391 | 0.00000 | 595677.8 | 236842.7 | 0.0 | S |
| 20.200 | 0.5206 | 0.0000 | 84.702 | 2.26073 | 0.00000 | 595693.5 | 236910.6 | 0.0 | S |
| 20.208 | 0.5121 | 0.0000 | 84.701 | 2.25757 | 0.00000 | 595709.0 | 236978.3 | 0.0 | S |
| 20.217 | 0.5046 | 0.0000 | 84.700 | 2.25442 | 0.00000 | 595724.3 | 237046.0 | 0.0 | S |
| 20.225 | 0.4978 | 0.0000 | 84.700 | 2.25129 | 0.00000 | 595739.3 | 237113.6 | 0.0 | S |
| 20.233 | 0.4919 | 0.0000 | 84.699 | 2.24818 | 0.00000 | 595754.1 | 237181.1 | 0.0 | S |
| 20.242 | 0.4865 | 0.0000 | 84.698 | 2.24508 | 0.00000 | 595768.8 | 237248.5 | 0.0 | S |
| 20.250 | 0.4818 | 0.0000 | 84.697 | 2.24200 | 0.00000 | 595783.3 | 237315.8 | 0.0 | S |
| 20.258 | 0.4778 | 0.0000 | 84.697 | 2.23894 | 0.00000 | 595797.7 | 237383.0 | 0.0 | S |
| 20.267 | 0.4741 | 0.0000 | 84.696 | 2.23589 | 0.00000 | 595812.0 | 237450.1 | 0.0 | S |
| 20.275 | 0.4709 | 0.0000 | 84.695 | 2.23287 | 0.00000 | 595826.2 | 237517.2 | 0.0 | S |
| 20.283 | 0.4680 | 0.0000 | 84.695 | 2.22985 | 0.00000 | 595840.3 | 237584.1 | 0.0 | S |
| 20.292 | 0.4655 | 0.0000 | 84.694 | 2.22686 | 0.00000 | 595854.3 | 237651.0 | 0.0 | S |
| 20.300 | 0.4632 | 0.0000 | 84.693 | 2.22387 | 0.00000 | 595868.2 | 237717.7 | 0.0 | S |
| 20.308 | 0.4612 | 0.0000 | 84.692 | 2.22091 | 0.00000 | 595882.1 | 237784.4 | 0.0 | S |
| 20.317 | 0.4595 | 0.0000 | 84.692 | 2.21796 | 0.00000 | 595895.9 | 237851.0 | 0.0 | S |
| 20.325 | 0.4580 | 0.0000 | 84.691 | 2.21502 | 0.00000 | 595909.6 | 237917.5 | 0.0 | S |
| 20.333 | 0.4566 | 0.0000 | 84.690 | 2.21210 | 0.00000 | 595923.3 | 237983.9 | 0.0 | S |
| 20.342 | 0.4554 | 0.0000 | 84.690 | 2.20919 | 0.00000 | 595937.0 | 238050.2 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative inflow <br> Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{H}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{H}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 20.350 | 0.4543 | 0.0000 | 84.689 | 2.20630 | 0.00000 | 595950.7 | 238116.4 | 0.0 | S |
| 20.358 | 0.4533 | 0.0000 | 84.688 | 2.20342 | 0.00000 | 595964.3 | 238182.6 | 0.0 | S |
| 20.367 | 0.4525 | 0.0000 | 84.688 | 2.20055 | 0.00000 | 595977.9 | 238248.6 | 0.0 | S |
| 20.375 | 0.4518 | 0.0000 | 84.687 | 2.19770 | 0.00000 | 595991.4 | 238314.6 | 0.0 | S |
| 20.383 | 0.4511 | 0.0000 | 84.686 | 2. 19486 | 0.00000 | 596004.9 | 238380.5 | 0.0 | S |
| 20.392 | 0.4505 | 0.0000 | 84.685 | 2.19203 | 0.00000 | 596018.5 | 238446.3 | 0.0 | S |
| 20.400 | 0.4500 | 0.0000 | 84.685 | 2.18922 | 0.00000 | 596032.0 | 238512.0 | 0.0 | S |
| 20.408 | 0.4495 | 0.0000 | 84.684 | 2.18642 | 0.00000 | 596045.5 | 238577.6 | 0.0 | S |
| 20.417 | 0.4491 | 0.0000 | 84.683 | 2.18362 | 0.00000 | 596059.0 | 238643.2 | 0.0 | S |
| 20.425 | 0.4488 | 0.0000 | 84.683 | 2.18085 | 0.00000 | 596072.4 | 238708.7 | 0.0 | S |
| 20.433 | 0.4485 | 0.0000 | 84.682 | 2.17808 | 0.00000 | 596085.9 | 238774.0 | 0.0 | S |
| 20.442 | 0.4482 | 0.0000 | 84.681 | 2.17532 | 0.00000 | 596099.4 | 238839.3 | 0.0 | S |
| 20.450 | 0.4479 | 0.0000 | 84.680 | 2.17258 | 0.00000 | 596112.8 | 238904.6 | 0.0 | S |
| 20.458 | 0.4477 | 0.0000 | 84.680 | 2.16985 | 0.00000 | 596126.3 | 238969.7 | 0.0 | S |
| 20.467 | 0.4474 | 0.0000 | 84.679 | 2.16713 | 0.00000 | 596139.6 | 239034.8 | 0.0 | S |
| 20.475 | 0.4473 | 0.0000 | 84.678 | 2.16442 | 0.00000 | 596153.1 | 239099.7 | 0.0 | S |
| 20.483 | 0.4471 | 0.0000 | 84.678 | 2.16172 | 0.00000 | 596166.5 | 239164.6 | 0.0 | S |
| 20.492 | 0.4470 | 0.0000 | 84.677 | 2.15903 | 0.00000 | 596179.9 | 239229.4 | 0.0 | S |
| 20.500 | 0.4470 | 0.0000 | 84.676 | 2.15635 | 0.00000 | 596193.3 | 239294.2 | 0.0 | S |
| 20.508 | 0.4474 | 0.0000 | 84.676 | 2.15368 | 0.00000 | 596206.8 | 239358.8 | 0.0 | S |
| 20.517 | 0.4485 | 0.0000 | 84.675 | 2.15103 | 0.00000 | 596220.2 | 239423.4 | 0.0 | S |
| 20.525 | 0.4504 | 0.0000 | 84.674 | 2.14839 | 0.00000 | 596233.6 | 239487.9 | 0.0 | S |
| 20.533 | 0.4533 | 0.0000 | 84.674 | 2.14576 | 0.00000 | 596247.2 | 239552.3 | 0.0 | S |
| 20.542 | 0.4574 | 0.0000 | 84.673 | 2.14316 | 0.00000 | 596260.9 | 239616.6 | 0.0 | S |
| 20.550 | 0.4631 | 0.0000 | 84.672 | 2.14057 | 0.00000 | 596274.7 | 239680.9 | 0.0 | S |
| 20.558 | 0.4704 | 0.0000 | 84.672 | 2.13800 | 0.00000 | 596288.7 | 239745.1 | 0.0 | S |
| 20.567 | 0.4794 | 0.0000 | 84.671 | 2.13545 | 0.00000 | 596302.9 | 239809.2 | 0.0 | S |
| 20.575 | 0.4897 | 0.0000 | 84.670 | 2.13293 | 0.00000 | 596317.4 | 239873.2 | 0.0 | S |
| 20.583 | 0.5011 | 0.0000 | 84.670 | 2.13042 | 0.00000 | 596332.3 | 239937.1 | 0.0 | S |
| 20.592 | 0.5132 | 0.0000 | 84.669 | 2.12795 | 0.00000 | 596347.5 | 240001.0 | 0.0 | S |
| 20.600 | 0.5257 | 0.0000 | 84.668 | 2.12549 | 0.00000 | 596363.1 | 240064.8 | 0.0 | S |
| 20.608 | 0.5382 | 0.0000 | 84.668 | 2.12306 | 0.00000 | 596379.1 | 240128.5 | 0.0 | S |
| 20.617 | 0.5505 | 0.0000 | 84.667 | 2.12065 | 0.00000 | 596395.4 | 240192.2 | 0.0 | S |
| 20.625 | 0.5624 | 0.0000 | 84.666 | 2.11825 | 0.00000 | 596412.1 | 240255.8 | 0.0 | S |
| 20.633 | 0.5738 | 0.0000 | 84.666 | 2.11587 | 0.00000 | 596429.1 | 240319.3 | 0.0 | S |
| 20.642 | 0.5844 | 0.0000 | 84.665 | 2.11351 | 0.00000 | 596446.5 | 240382.7 | 0.0 | S |
| 20.650 | 0.5943 | 0.0000 | 84.664 | 2.11116 | 0.00000 | 596464.2 | 240446.1 | 0.0 | S |
| 20.658 | 0.6033 | 0.0000 | 84.664 | 2.10882 | 0.00000 | 596482.2 | 240509.4 | 0.0 | S |
| 20.667 | 0.6113 | 0.0000 | 84.663 | 2.10649 | 0.00000 | 596500.4 | 240572.6 | 0.0 | S |
| 20.675 | 0.6182 | 0.0000 | 84.663 | 2.10417 | 0.00000 | 596518.8 | 240635.8 | 0.0 | S |
| 20.683 | 0.6242 | 0.0000 | 84.662 | 2.10185 | 0.00000 | 596537.4 | 240698.9 | 0.0 | S |
| 20.692 | 0.6294 | 0.0000 | 84.661 | 2.09954 | 0.00000 | 596556.3 | 240761.9 | 0.0 | S |
| 20.700 | 0.6340 | 0.0000 | 84.661 | 2.09724 | 0.00000 | 596575.2 | 240824.8 | 0.0 | S |
| 20.708 | 0.6381 | 0.0000 | 84.660 | 2.09494 | 0.00000 | 596594.3 | 240887.7 | 0.0 | S |
| 20.717 | 0.6417 | 0.0000 | 84.660 | 2.09265 | 0.00000 | 596613.5 | 240950.5 | 0.0 | S |
| 20.725 | 0.6450 | 0.0000 | 84.659 | 2.09037 | 0.00000 | 596632.8 | 241013.3 | 0.0 | S |
| 20.733 | 0.6478 | 0.0000 | 84.658 | 2.08808 | 0.00000 | 596652.2 | 241076.0 | 0.0 | S |
| 20.742 | 0.6504 | 0.0000 | 84.658 | 2.08581 | 0.00000 | 596671.7 | 241138.6 | 0.0 | S |
| 20.750 | 0.6527 | 0.0000 | 84.657 | 2.08354 | 0.00000 | 596691.2 | 241201.1 | 0.0 | S |
| 20.758 | 0.6547 | 0.0000 | 84.657 | 2.08127 | 0.00000 | 596710.8 | 241263.6 | 0.0 | S |
| 20.767 | 0.6564 | 0.0000 | 84.656 | 2,07901 | 0.00000 | 596730.5 | 241326.0 | 0.0 | S |
| 20.775 | 0.6580 | 0.0000 | 84.656 | 2.07675 | 0.00000 | 596750.2 | 241388.3 | 0.0 | S |
| 20.783 | 0.6594 | 0.0000 | 84.655 | 2.07450 | 0.00000 | 596769.9 | 241450.6 | 0.0 | S |
| 20.792 | 0.6606 | 0.0000 | 84.654 | 2.07225 | 0.00000 | 596789.8 | 241512.8 | 0.0 | S |
| 20.800 | 0.6617 | 0.0000 | 84.654 | 2.07001 | 0.00000 | 596809.6 | 241574.9 | 0.0 | S |
| 20.808 | 0.6626 | 0.0000 | 84.653 | 2.06777 | 0.00000 | 596829.4 | 241637.0 | 0.0 | S |
| 20.817 | 0.6635 | 0.0000 | 84.653 | 2.06554 | 0.00000 | 596849.3 | 241699.0 | 0.0 | S |
| 20.825 | 0.6642 | 0.0000 | 84.652 | 2.06331 | 0.00000 | 596869.3 | 241760.9 | 0.0 | S |
| 20.833 | 0.6649 | 0.0000 | 84.652 | 2.06109 | 0.00000 | 596889.2 | 241822.8 | 0.0 | S |
| 20.842 | 0.6655 | 0.0000 | 84.651 | 2.05887 | 0.00000 | 596909.1 | 241884.6 | 0.0 | S |
| 20.850 | 0.6660 | 0.0000 | 84.650 | 2.05666 | 0.00000 | 596929.1 | 241946.3 | 0.0 | S |
| 20.858 | 0.6664 | 0.0000 | 84.650 | 2.05446 | 0.00000 | 596949.1 | 242008.0 | 0.0 | S |
| 20.867 | 0.6668 | 0.0000 | 84.649 | 2.05226 | 0.00000 | 596969.1 | 242069.6 | 0.0 | S |
| 20.875 | 0.6672 | 0.0000 | 84.649 | 2.05006 | 0.00000 | 596989.1 | 242131.1 | 0.0 | S |
| 20.883 | 0.6675 | 0.0000 | 84.648 | 2.04787 | 0.00000 | 597009.1 | 242192.6 | 0.0 | S |
| 20.892 | 0.6678 | 0.0000 | 84.648 | 2.04569 | 0.00000 | 597029.2 | 242254.0 | 0.0 | S |
| 20.900 | 0.6680 | 0.0000 | 84.647 | 2.04351 | 0.00000 | 597049.2 | 242315.3 | 0.0 | S |
| 20.908 | 0.6683 | 0.0000 | 84.646 | 2.04134 | 0.00000 | 597069.3 | 242376.6 | 0.0 | S |
| 20.917 | 0.6685 | 0.0000 | 84.646 | 2.03918 | 0.00000 | 597089.3 | 242437.8 | 0.0 | S |
| 20.925 | 0.6686 | 0.0000 | 84.645 | 2.03701 | 0.00000 | 597109.4 | 242499.0 | 0.0 | S |
| 20.933 | 0.6688 | 0.0000 | 84.645 | 2.03486 | 0.00000 | 597129.4 | 242560.0 | 0.0 | S |
| 20.942 | 0.6689 | 0.0000 | 84.644 | 2.03271 | 0.00000 | 597149.5 | 242621.1 | 0.0 | S |
| 20.950 | 0.6691 | 0.0000 | 84.644 | 2.03057 | 0.00000 | 597169.6 | 242682.0 | 0.0 | S |
| 20.958 | 0.6692 | 0.0000 | 84.643 | 2.02843 | 0.00000 | 597189.6 | 242742.9 | 0.0 | S |

# PONDS Version 3.2.0207 <br> Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E. 

Detailed Results (cont,d.)
:: Scenario 1 ::

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3 / 5}$ ) | Outside Recharge (fi/day) | Stage Elevation (f datum) | Infiltration Rate ( $\mathrm{ft}^{3 / 3}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumułative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 20.967 | 0.6693 | 0.0000 | 84.643 | 2.02630 | 0.00000 | 597209.7 | 242803.7 | 0.0 | S |
| 20.975 | 0.6694 | 0.0000 | 84.642 | 2.02417 | 0.00000 | 597229.8 | 242864.5 | 0.0 | S |
| 20.983 | 0.6694 | 0.0000 | 84.642 | 2.02205 | 0.00000 | 597249.9 | 242925.2 | 0.0 | S |
| 20.992 | 0.6695 | 0.0000 | 84.641 | 2.01994 | 0.00000 | 597269.9 | 242985.8 | 0.0 | S |
| 21.000 | 0.6696 | 0.0000 | 84.640 | 2.01783 | 0.00000 | 597290.1 | 243046.4 | 0.0 | S |
| 21.008 | 0.6693 | 0.0000 | 84.640 | 2.01573 | 0.00000 | 597310.1 | 243106.9 | 0.0 | S |
| 21.017 | 0.6686 | 0.0000 | 84.639 | 2.01363 | 0.00000 | 597330.2 | 243167.3 | 0.0 | S |
| 21.025 | $0.667 \%$ | 0.0000 | 84.639 | 2.01153 | 0.00000 | 597350.3 | 243227.7 | 0.0 | S |
| 21.033 | 0.6647 | 0.0000 | 84.638 | 2.00944 | 0.00000 | 597370.2 | 243288.0 | 0.0 | S |
| 21.042 | 0.6612 | 0.0000 | 84.638 | 2.00734 | 0.00000 | 597390.1 | 243348.3 | 0.0 | S |
| 21.050 | 0.6563 | 0.0000 | 84.637 | 2.00525 | 0.00000 | 597409.9 | 243408.4 | 0.0 | S |
| 21.058 | 0.6498 | 0.0000 | 84.637 | 2.00315 | 0.00000 | 597429.4 | 243468.6 | 0.0 | S |
| 21.067 | 0.6416 | 0.0000 | 84.636 | 2.00104 | 0.00000 | 597448.8 | 243528.6 | 0.0 | S |
| 21.075 | 0.6318 | 0.0000 | 84.635 | 1.99893 | 0.00000 | 597467.9 | 243588.6 | 0.0 | S |
| 21.083 | 0.6208 | 0.0000 | 84.635 | 1.99681 | 0.00000 | 597486.7 | 243648.6 | 0.0 | S |
| 21.092 | 0.6090 | 0.0000 | 84.634 | 1.99468 | 0.00000 | 597505.1 | 243708.4 | 0.0 | S |
| 21.100 | 0.5966 | 0.0000 | 84.634 | 1.99254 | 0.00000 | 597523.3 | 243768.2 | 0.0 | S |
| 21.108 | 0.5841 | 0.0000 | 84.633 | 1.99040 | 0.00000 | 597540.9 | 243828.0 | 0.0 | S |
| 21.117 | 0.5716 | 0.0000 | 84.633 | 1.98825 | 0.00000 | 597558.3 | 243887.7 | 0.0 | S |
| 21.125 | 0.5594 | 0.0000 | 84.632 | 1.98609 | 0.00000 | 597575.3 | 243947.3 | 0.0 | S |
| 21.133 | 0.5478 | 0.0000 | 84.631 | 1.98393 | 0.00000 | 597591.9 | 244006.8 | 0.0 | S |
| 21.142 | 0.5368 | 0.0000 | 84.631 | 1.98177 | 0.00000 | 597608.1 | 244066.3 | 0.0 | S |
| 21.150 | 0.5265 | 0.0000 | 84.630 | 1.97962 | 0.00000 | 597624.1 | 244125.7 | 0.0 | S |
| 21.158 | 0.5171 | 0.0000 | 84.630 | 1.97746 | 0.00000 | 597639.8 | 244185.1 | 0.0 | S |
| 21.167 | 0.5085 | 0.0000 | 84.629 | 1.97531 | 0.00000 | 597655.1 | 244244.4 | 0.0 | S |
| 21.175 | 0.5011 | 0.0000 | 84.629 | 1.97316 | 0.00000 | 597670.3 | 244303.6 | 0.0 | S |
| 21.183 | 0.4948 | 0.0000 | 84.628 | 1.97102 | 0.00000 | 597685.2 | 244362.8 | 0.0 | S |
| 21.192 | 0.4892 | 0.0000 | 84.627 | 1.96889 | 0.00000 | 597699.9 | 244421.9 | 0.0 | S |
| 21.200 | 0.4843 | 0.0000 | 84.627 | 1.96677 | 0.00000 | 597714.6 | 244480.9 | 0.0 | S |
| 21.208 | 0.4800 | 0.0000 | 84.626 | 1.96465 | 0.00000 | 597729.0 | 244539.9 | 0.0 | S |
| 21.217 | 0.4762 | 0.0000 | 84.626 | 1.96254 | 0.00000 | 597743.4 | 244598.8 | 0.0 | S |
| 21.225 | 0.4728 | 0.0000 | 84.625 | 1.96045 | 0.00000 | 597757.6 | 244657.6 | 0.0 | S |
| 21.233 | 0.4697 | 0.0000 | 84.624 | 1.95836 | 0.00000 | 597771.8 | 244716.4 | 0.0 | S |
| 21.242 | 0.4670 | 0.0000 | 84.624 | 1.95628 | 0.00000 | 597785.8 | 244775.1 | 0.0 | S |
| 21.250 | 0.4646 | 0.0000 | 84.623 | 1.95420 | 0.00000 | 597799.8 | 244833.8 | 0.0 | S |
| 21.258 | 0.4625 | 0.0000 | 84.622 | 1.95214 | 0.00000 | 597813.7 | 244892.4 | 0.0 | S |
| 21.267 | 0.4607 | 0.0000 | 84.622 | 1.95008 | 0.00000 | 597827.5 | 244950.9 | 0.0 | S |
| 21.275 | 0.4590 | 0.0000 | 84.621 | 1.94804 | 0.00000 | 597841.3 | 245009.4 | 0.0 | S |
| 21.283 | 0.4575 | 0.0000 | 84.621 | 1.94600 | 0.00000 | 597855.1 | 245067.8 | 0.0 | S |
| 21.292 | 0.4562 | 0.0000 | 84.620 | 1.94397 | 0.00000 | 597868.8 | 245126.2 | 0.0 | S |
| 21.300 | 0.4551 | 0.0000 | 84.619 | 1.94195 | 0.00000 | 597882.4 | 245184.4 | 0.0 | S |
| 21.308 | 0.4541 | 0.0000 | 84.619 | $\uparrow .93993$ | 0.00000 | 597896.1 | 245242.7 | 0.0 | S |
| 21.317 | 0.4532 | 0.0000 | 84.618 | 1.93793 | 0.00000 | 597909.7 | 245300.8 | 0.0 | S |
| 21.325 | 0.4524 | 0.0000 | 84.618 | 1.93593 | 0.00000 | 597923.3 | 245358.9 | 0.0 | S |
| 21.333 | 0.4517 | 0.0000 | 84.617 | 1.93394 | 0.00000 | 597936.8 | 245417.0 | 0.0 | S |
| 21.342 | 0.4511 | 0.0000 | 84.616 | 1.93195 | 0.00000 | 597950.4 | 245475.0 | 0.0 | S |
| 21.350 | 0.4505 | 0.0000 | 84.616 | 1.92998 | 0.00000 | 597963.9 | 245532.9 | 0.0 | S |
| 21.358 | 0.4501 | 0.0000 | 84.615 | 1.92801 | 0.00000 | 597977.4 | 245590.8 | 0.0 | S |
| 21.367 | 0.4496 | 0.0000 | 84.615 | 1.92605 | 0.00000 | 597990.9 | 245648.6 | 0.0 | S |
| 21.375 | 0.4492 | 0.0000 | 84.614 | 1.92409 | 0.00000 | 598004.4 | 245706.3 | 0.0 | S |
| 21.383 | 0.4489 | 0.0000 | 84.613 | 1.92214 | 0.00000 | 598017.9 | 245764.0 | 0.0 | S |
| 21.392 | 0.4486 | 0.0000 | 84.613 | 1.92020 | 0.00000 | 598031.3 | 245821.7 | 0.0 | S |
| 21.400 | 0.4483 | 0.0000 | 84.612 | 1.91827 | 0.00000 | 598044.8 | 245879.3 | 0.0 | S |
| 21.408 | 0.4481 | 0.0000 | 84.612 | 1.91634 | 0.00000 | 598058.3 | 245936.8 | 0.0 | S |
| 21.417 | 0.4479 | 0.0000 | 84.611 | 1.91442 | 0.00000 | 598071.7 | 245994.2 | 0.0 | S |
| 21.425 | 0.4477 | 0.0000 | 84.610 | 1.91250 | 0.00000 | 598085.1 | 246051.6 | 0.0 | S |
| 21.433 | 0.4476 | 0.0000 | 84.610 | 1.91059 | 0.00000 | 598098.5 | 246109.0 | 0.0 | S |
| 21.442 | 0.4474 | 0.0000 | 84.609 | 1.90869 | 0.00000 | 598111.9 | 246166.3 | 0.0 | S |
| 21.450 | 0.4473 | 0.0000 | 84.609 | 1.90679 | 0.00000 | 598125.4 | 246223.5 | 0.0 | S |
| 21.458 | 0.4472 | 0.0000 | 84.608 | 1.90490 | 0.00000 | 598138.8 | 246280.7 | 0.0 | S |
| 21.467 | 0.4471 | 0.0000 | 84.607 | 1.90302 | 0.00000 | 598152.2 | 246337.8 | 0.0 | S |
| 21.475 | 0.4470 | 0.0000 | 84.607 | 1.90114 | 0.00000 | 598165.6 | 246394.9 | 0.0 | S |
| 21.483 | 0.4469 | 0.0000 | 84.606 | 1.89927 | 0.00000 | 598179.0 | 246451.9 | 0.0 | S |
| 21.492 | 0.4468 | 0.0000 | 84.606 | 1.89740 | 0.00000 | 598192.4 | 246508.8 | 0.0 | S |
| 21.500 | 0.4467 | 0.0000 | 84.605 | 1.89554 | 0.00000 | 598205.8 | 246565.7 | 0.0 | S |
| 21.508 | 0.4470 | 0.0000 | 84.605 | 1.89369 | 0.00000 | 598219.3 | 246622.5 | 0.0 | S |
| 21.517 | 0.4481 | 0.0000 | 84.604 | 1.89184 | 0.00000 | 598232.6 | 246679.3 | 0.0 | S |
| 21.525 | 0.4504 | 0.0000 | 84.603 | 1.89000 | 0.00000 | 598246.1 | 246736.0 | 0.0 | S |
| 21.533 | 0.4543 | 0.0000 | 84.603 | 1.88818 | 0.00000 | 598259.7 | 246792.7 | 0.0 | S |
| 21.542 | 0.4602 | 0.0000 | 84.602 | 1.88637 | 0.00000 | 598273.4 | 246849.3 | 0.0 | S |
| 21.550 | 0.4687 | 0.0000 | 84.602 | 1.88458 | 0.00000 | 598287.4 | 246905.9 | 0.0 | S |
| 21.558 | 0.4801 | 0.0000 | 84.601 | 1.88281 | 0.00000 | 598301.6 | 246962.4 | 0.0 | S |
| 21.567 | 0.4949 | 0.0000 | 84.600 | 1.88107 | 0.00000 | 598316.2 | 247018.9 | 0.0 | S |
| 21.575 | 0.5130 | 0.0000 | 84.600 | 1.87936 | 0.00000 | 598331.3 | 247075.3 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | inflow Rate ( $\mathrm{f}{ }^{3} / \mathrm{s}$ ) | Outside Recharge (fl/day) | Stage Elevation ( f datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Inflitration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{fl}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 21.583 | 0.5338 | 0.0000 | 84.599 | 1.87768 | 0.00000 | 598347.1 | 247131.6 | 0.0 | S |
| 21.592 | 0.5566 | 0.0000 | 84.599 | 1.87604 | 0.00000 | 598363.4 | 247187.9 | 0.0 | S |
| 21.600 | 0.5809 | 0.0000 | 84.598 | 1.87443 | 0.00000 | 598380.4 | 247244.2 | 0.0 | S |
| 21.608 | 0.6058 | 0.0000 | 84.598 | 1.87285 | 0.00000 | 598398.3 | 247300.4 | 0.0 | S |
| 21.617 | 0.6308 | 0.0000 | 84.597 | 1.87129 | 0.00000 | 598416.8 | 247356.6 | 0.0 | S |
| 21.625 | 0.6554 | 0.0000 | 84.597 | 1.86977 | 0.00000 | 598436.1 | 247412.7 | 0.0 | S |
| 21.633 | 0.6793 | 0.0000 | 84.596 | 1.86827 | 0.00000 | 598456.1 | 247468.8 | 0.0 | S |
| 21.642 | 0.7019 | 0.0000 | 84.596 | 1.86679 | 0.00000 | 598476.8 | 247524.8 | 0.0 | S |
| 21.650 | 0.7231 | 0.0000 | 84.595 | 1.86532 | 0.00000 | 598498.2 | 247580.8 | 0.0 | S |
| 21.658 | 0.7428 | 0.0000 | 84.595 | 1.86387 | 0.00000 | 598520.2 | 247636.7 | 0.0 | S |
| 21.667 | 0.7608 | 0.0000 | 84.594 | 1.86243 | 0.00000 | 598542.8 | 247692.6 | 0.0 | S |
| 21.675 | 0.7766 | 0.0000 | 84.594 | 1.86099 | 0.00000 | 598565.8 | 247748.5 | 0.0 | S |
| 21.683 | 0.7904 | 0.0000 | 84.593 | 1.85956 | 0.00000 | 598589.3 | 247804.3 | 0.0 | S |
| 21.692 | 0.8023 | 0.0000 | 84.593 | 1.85813 | 0.00000 | 598613.2 | 247860.0 | 0.0 | S |
| 21.700 | 0.8127 | 0.0000 | 84.593 | 1.85670 | 0.00000 | 598637.4 | 247915.8 | 0.0 | S |
| 21.708 | 0.8218 | 0.0000 | 84.592 | 1.85527 | 0.00000 | 598661.9 | 247971.4 | 0.0 | S |
| 21.717 | 0.8300 | 0.0000 | 84.592 | 1.85384 | 0.00000 | 598686.8 | 248027.1 | 0.0 | S |
| 21.725 | 0.8372 | 0.0000 | 84.591 | 1.85241 | 0.00000 | 598711.8 | 248082.7 | 0.0 | S |
| 21.733 | 0.8436 | 0.0000 | 84.591 | 1.85097 | 0.00000 | 598736.9 | 248138.2 | 0.0 | S |
| 21.742 | 0.8493 | 0.0000 | 84.591 | 1.84954 | 0.00000 | 598762.3 | 248193.7 | 0.0 | S |
| 21.750 | 0.8544 | 0.0000 | 84.590 | 1.84810 | 0.00000 | 598787.9 | 248249.2 | 0.0 | S |
| 21.758 | 0.8590 | 0.0000 | 84.590 | 1.84665 | 0.00000 | 598813.6 | 248304.6 | 0.0 | S |
| 21.767 | 0.8629 | 0.0000 | 84.589 | 1.84521 | 0.00000 | 598839.4 | 248360.0 | 0.0 | S |
| 21.775 | 0.8664 | 0.0000 | 84.589 | 1.84377 | 0.00000 | 598865.4 | 248415.3 | 0.0 | S |
| 21.783 | 0.8695 | 0.0000 | 84.589 | 1.84232 | 0.00000 | 598891.4 | 248470.6 | 0.0 | S |
| 21.792 | 0.8723 | 0.0000 | 84.588 | 1.84087 | 0.00000 | 598917.5 | 248525.8 | 0.0 | S |
| 21.800 | 0.8747 | 0.0000 | 84.588 | 1.83942 | 0.00000 | 598943.8 | 248581.0 | 0.0 | S |
| 21.808 | 0.8769 | 0.0000 | 84.587 | 1.83797 | 0.00000 | 598970.0 | 248636.2 | 0.0 | S |
| 21.817 | 0.8788 | 0.0000 | 84.587 | 1.83652 | 0.00000 | 598996.3 | 248691.3 | 0.0 | S |
| 21.825 | 0.8804 | 0.0000 | 84.587 | 1.83507 | 0.00000 | 599022.8 | 248746.4 | 0.0 | S |
| 21.833 | 0.8819 | 0.0000 | 84.586 | 1.83362 | 0.00000 | 599049.2 | 248801.4 | 0.0 | S |
| 21.842 | 0.8832 | 0.0000 | 84.586 | 1.83216 | 0.00000 | 599075.6 | 248856.4 | 0.0 | S |
| 21.850 | 0.8844 | 0.0000 | 84.585 | 1.83071 | 0.00000 | 599102.2 | 248911.4 | 0.0 | S |
| 21.858 | 0.8854 | 0.0000 | 84.585 | 1.82926 | 0.00000 | 599128.7 | 248966.3 | 0.0 | S |
| 21.867 | 0.8863 | 0.0000 | 84.585 | 1.82781 | 0.00000 | 599155.3 | 249021.1 | 0.0 | S |
| 21.875 | 0.8871 | 0.0000 | 84.584 | 1.82635 | 0.00000 | 599181.9 | 249075.9 | 0.0 | S |
| 21.883 | 0.8879 | 0.0000 | 84.584 | 1.82490 | 0.00000 | 599208.5 | 249130.7 | 0.0 | S |
| 21.892 | 0.8885 | 0.0000 | 84.583 | 1.82345 | 0.00000 | 599235.1 | 249185.4 | 0.0 | S |
| 21.900 | 0.8891 | 0.0000 | 84.583 | 1.82200 | 0.00000 | 599261.8 | 249240.1 | 0.0 | S |
| 21.908 | 0.8896 | 0.0000 | 84.583 | 1.82055 | 0.00000 | 599288.5 | 249294.8 | 0.0 | S |
| 21.917 | 0.8900 | 0.0000 | 84.582 | 1.81910 | 0.00000 | 599315.2 | 249349.3 | 0.0 | S |
| 21.925 | 0.8904 | 0.0000 | 84.582 | 1.81766 | 0.00000 | 599341.9 | 249403.9 | 0.0 | S |
| 21.933 | 0.8907 | 0.0000 | 84.582 | 7.81621 | 0.00000 | 599368.6 | 249458.4 | 0.0 | S |
| 21.942 | 0.8910 | 0.0000 | 84.581 | 7.81477 | 0.00000 | 599395.3 | 249512.9 | 0.0 | S |
| 21.950 | 0.8913 | 0.0000 | 84.581 | 1.81333 | 0.00000 | 599422.1 | 249567.3 | 0.0 | S |
| 21.958 | 0.8916 | 0.0000 | 84.580 | 1.81189 | 0.00000 | 599448.8 | 249621.7 | 0.0 | S |
| 21.967 | 0.8918 | 0.0000 | 84.580 | 1.81045 | 0.00000 | 599475.6 | 249676.0 | 0.0 | S |
| 21.975 | 0.8920 | 0.0000 | 84.580 | 1.80901 | 0.00000 | 599502.3 | 249730.3 | 0.0 | S |
| 21.983 | 0.8922 | 0.0000 | 84.579 | 1.80757 | 0.00000 | 599529.1 | 249784.5 | 0.0 | S |
| 21.992 | 0.8923 | 0.0000 | 84.579 | 1.80614 | 0.00000 | 599555.9 | 249838.8 | 0.0 | S |
| 22.000 | 0.8925 | 0.0000 | 84.579 | 1.80471 | 0.00000 | 599582.6 | 249892.9 | 0.0 | S |
| 22.008 | 0.8926 | 0.0000 | 84.578 | 1.80328 | 0.00000 | 599609.4 | 249947.0 | 0.0 | S |
| 22.017 | 0.8921 | 0.0000 | 84.578 | 1.80185 | 0.00000 | 599636.2 | 250001.1 | 0.0 | S |
| 22.025 | 0.8904 | 0.0000 | 84.577 | 1.80042 | 0.00000 | 599662.9 | 250055.1 | 0.0 | S |
| 22.033 | 0.8874 | 0.0000 | 84.577 | 1.79899 | 0.00000 | 599689.6 | 250109.1 | 0.0 | S |
| 22.042 | 0.8826 | 0.0000 | 84.577 | 1.79755 | 0.00000 | 599716.1 | 250163.1 | 0.0 | S |
| 22.050 | 0.8755 | 0.0000 | 84.576 | 1.79610 | 0.00000 | 599742.5 | 250217.0 | 0.0 | S |
| 22.058 | 0.8656 | 0.0000 | 84.576 | 1.79463 | 0.00000 | 599768.6 | 250270.8 | 0.0 | S |
| 22.067 | 0.8525 | 0.0000 | 84.576 | 1.79315 | 0.00000 | 599794.4 | 250324.7 | 0.0 | S |
| 22.075 | 0.8358 | 0.0000 | 84.575 | 1.79165 | 0.00000 | 599819.7 | 250378.4 | 0.0 | S |
| 22.083 | 0.8162 | 0.0000 | 84.575 | 1.79013 | 0.00000 | 599844.5 | 250432.2 | 0.0 | S |
| 22.092 | 0.7942 | 0.0000 | 84.574 | 1.78858 | 0.00000 | 599868.6 | 250485.8 | 0.0 | S |
| 22.100 | 0.7704 | 0.0000 | 84.574 | 1.78700 | 0.00000 | 599892.1 | 250539.5 | 0.0 | S |
| 22.108 | 0.7456 | 0.0000 | 84.574 | 1.78540 | 0.00000 | 599914.9 | 250593.1 | 0.0 | S |
| 22.117 | 0.7206 | 0.0000 | 84.573 | 1.78378 | 0.00000 | 599936.8 | 250646.6 | 0.0 | S |
| 22.125 | 0.6957 | 0.0000 | 84.573 | 1.78214 | 0.00000 | 599958.1 | 250700.1 | 0.0 | S |
| 22.133 | 0.6714 | 0.0000 | 84.572 | 1.78047 | 0.00000 | 599978.6 | 250753.5 | 0.0 | S |
| 22.142 | 0.6481 | 0.0000 | 84.572 | 1.77880 | 0.00000 | 599998.4 | 250806.9 | 0.0 | S |
| 22.150 | 0.6262 | 0.0000 | 84.571 | 1.77711 | 0.00000 | 600017.5 | 250860.3 | 0.0 | S |
| 22.158 | 0.6057 | 0.0000 | 84.571 | 1.77542 | 0.00000 | 600036.0 | 250913.5 | 0.0 | S |
| 22.167 | 0.5869 | 0.0000 | 84.570 | 1.77372 | 0.00000 | 600053.9 | 250966.8 | 0.0 | S |
| 22.175 | 0.5699 | 0.0000 | 84.570 | 1.77203 | 0.00000 | 600071.3 | 251020.0 | 0.0 | S |
| 22.183 | 0.5552 | 0.0000 | 84.569 | 1.77033 | 0.00000 | 600088.1 | 251073.1 | 0.0 | S |
| 22.192 | 0.5425 | 0.0000 | 84.569 | 1.76864 | 0.00000 | 600104.6 | 251126.2 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | inflow Rate ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (fl datum) | Infiltration Rate ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ff}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 22.200 | 0.5315 | 0.0000 | 84.568 | 1.76696 | 0.00000 | 600120.7 | 251179.2 | 0.0 | S |
| 22.208 | 0.5217 | 0.0000 | 84.568 | 1.76528 | 0.00000 | 600136.5 | 251232.2 | 0.0 | S |
| 22.217 | 0.5131 | 0.0000 | 84.567 | $\ddagger .76362$ | 0.00000 | 600152.0 | 251285.1 | 0.0 | S |
| 22.225 | 0.5055 | 0.0000 | 84.567 | 1.76196 | 0.00000 | 600167.3 | 251338.0 | 0.0 | S |
| 22.233 | 0.4988 | 0.0000 | 84.566 | 1.76031 | 0.00000 | 600182.3 | 251390.9 | 0.0 | S |
| 22.242 | 0.4927 | 0.0000 | 84.566 | 1.75867 | 0.00000 | 600197.2 | 251443.6 | 0.0 | S |
| 22.250 | 0.4873 | 0.0000 | 84.565 | 1.75704 | 0.00000 | 600211.9 | 251496.4 | 0.0 | S |
| 22.258 | 0.4825 | 0.0000 | 84.565 | 1.75542 | 0.00000 | 600226.4 | 251549.1 | 0.0 | S |
| 22.267 | 0.4783 | 0.0000 | 84.564 | 1.75381 | 0.00000 | 600240.9 | 251601.7 | 0.0 | S |
| 22.275 | 0.4746 | 0.0000 | 84.564 | 1.75221 | 0.00000 | 600255.2 | 251654.3 | 0.0 | S |
| 22.283 | 0.4713 | 0.0000 | 84.563 | 1.75062 | 0.00000 | 600269.4 | 251706.8 | 0.0 | S |
| 22.292 | 0.4684 | 0.0000 | 84.563 | 1.74903 | 0.00000 | 600283.4 | 251759.3 | 0.0 | S |
| 22.300 | 0.4658 | 0.0000 | 84.562 | 1.74746 | 0.00000 | 600297.4 | 251811.8 | 0.0 | S |
| 22.308 | 0.4636 | 0.0000 | 84.562 | 1.74589 | 0.00000 | 600311.4 | 251864.2 | 0.0 | S |
| 22.317 | 0.4615 | 0.0000 | 84.561 | 1.74433 | 0.00000 | 600325.3 | 251916.5 | 0.0 | S |
| 22.325 | 0.4598 | 0.0000 | 84.561 | 1.74278 | 0.00000 | 600339.1 | 251968.8 | 0.0 | S |
| 22.333 | 0.4582 | 0.0000 | 84.560 | 1.74123 | 0.00000 | 600352.9 | 252021.1 | 0.0 | S |
| 22.342 | 0.4568 | 0.0000 | 84.560 | 1.73970 | 0.00000 | 600366.6 | 252073.3 | 0.0 | S |
| 22.350 | 0.4556 | 0.0000 | 84.559 | 1.73817 | 0.00000 | 600380.3 | 252125.5 | 0.0 | S |
| 22.358 | 0.4545 | 0.0000 | 84.558 | 1.73665 | 0.00000 | 600393.9 | 252177.6 | 0.0 | S |
| 22.367 | 0.4535 | 0.0000 | 84.558 | 1.73513 | 0.00000 | 600407.6 | 252229.7 | 0.0 | S |
| 22.375 | 0.4527 | 0.0000 | 84.557 | 1.73362 | 0.00000 | 600421.1 | 252281.7 | 0.0 | S |
| 22,383 | 0.4519 | 0.0000 | 84.557 | 1.73212 | 0.00000 | 600434.7 | 252333.7 | 0.0 | S |
| 22.392 | 0.4512 | 0.0000 | 84.556 | 1.73063 | 0.00000 | 600448.3 | 252385.6 | 0.0 | S |
| 22.400 | 0.4506 | 0.0000 | 84.556 | 1.72914 | 0.00000 | 600461.8 | 252437.5 | 0.0 | S |
| 22.408 | 0.4501 | 0.0000 | 84.555 | 1.72765 | 0.00000 | 600475.3 | 252489.4 | 0.0 | S |
| 22.417 | 0.4496 | 0.0000 | 84.555 | 1.72617 | 0.00000 | 600488.8 | 252541.2 | 0.0 | S |
| 22.425 | 0.4492 | 0.0000 | 84.554 | 1.72470 | 0.00000 | 600502.3 | 252593.0 | 0.0 | S |
| 22.433 | 0.4489 | 0.0000 | 84.554 | 1.72324 | 0.00000 | 600515.8 | 252644.7 | 0.0 | S |
| 22.442 | 0.4485 | 0.0000 | 84.553 | 1.72178 | 0.00000 | 600529.2 | 252696.3 | 0.0 | S |
| 22.450 | 0.4483 | 0.0000 | 84.553 | 1.72032 | 0.00000 | 600542.7 | 252748.0 | 0.0 | S |
| 22.458 | 0.4480 | 0.0000 | 84.552 | 1.71887 | 0.00000 | 600556.1 | 252799.6 | 0.0 | S |
| 22.467 | 0.4478 | 0.0000 | 84.552 | 1.71742 | 0.00000 | 600569.6 | 252851.1 | 0.0 | S |
| 22.475 | 0.4475 | 0.0000 | 84.551 | 1.71598 | 0.00000 | 600583.0 | 252802.6 | 0.0 | S |
| 22.483 | 0.4474 | 0.0000 | 84.551 | 1.71455 | 0.00000 | 600596.4 | 252954.1 | 0.0 | S |
| 22.492 | 0.4472 | 0.0000 | 84.550 | 1.71312 | 0.00000 | 600609.8 | 253005.5 | 0.0 | S |
| 22.500 | 0.4470 | 0.0000 | 84.550 | 1.71169 | 0.00000 | 600623.3 | 253056.9 | 0.0 | S |
| 22.508 | 0.4469 | 0.0000 | 84.549 | 1.71027 | 0.00000 | 600636.6 | 253108.2 | 0.0 | S |
| 22.517 | 0.4470 | 0.0000 | 84.549 | 1.70885 | 0.00000 | 600650.1 | 253159.5 | 0.0 | S |
| 22.525 | 0.4476 | 0.0000 | 84.548 | 1.70744 | 0.00000 | 600663.4 | 253210.7 | 0.0 | S |
| 22.533 | 0.4489 | 0.0000 | 84.548 | 1.70604 | 0.00000 | 600676.9 | 253261.9 | 0.0 | S |
| 22.542 | 0.4512 | 0.0000 | 84.547 | 1.70464 | 0.00000 | 600690.4 | 253313.1 | 0.0 | S |
| 22.550 | 0.4546 | 0.0000 | 84.547 | 1.70326 | 0.00000 | 600704.0 | 253364.2 | 0.0 | S |
| 22.558 | 0.4595 | 0.0000 | 84.546 | 1.70188 | 0.00000 | 600717.7 | 253415.3 | 0.0 | S |
| 22.567 | 0.4662 | 0.0000 | 84.546 | 1.70053 | 0.00000 | 600731.6 | 253466.3 | 0.0 | S |
| 22.575 | 0.4748 | 0.0000 | 84.545 | 1.69918 | 0.00000 | 600745.7 | 253517.3 | 0.0 | S |
| 22.583 | 0.4852 | 0.0000 | 84.545 | 1.69786 | 0.00000 | 600760.1 | 253568.3 | 0.0 | S |
| 22.592 | 0.4972 | 0.0000 | 84.544 | 1.69655 | 0.00000 | 600774.9 | 253619.2 | 0.0 | S |
| 22.600 | 0.5104 | 0.0000 | 84.544 | 1.69527 | 0.00000 | 600789.9 | 253670.1 | 0.0 | S |
| 22.608 | 0.5244 | 0.0000 | 84.543 | 1.69401 | 0.00000 | 600805.5 | 253720.9 | 0.0 | S |
| 22.617 | 0.5387 | 0.0000 | 84.543 | 1.69276 | 0.00000 | 600821.4 | 253771.7 | 0.0 | S |
| 22.625 | 0.5531 | 0.0000 | 84.542 | 1.69153 | 0.00000 | 600837.8 | 253822.5 | 0.0 | S |
| 22.633 | 0.5672 | 0.0000 | 84.542 | 1.69032 | 0.00000 | 600854.6 | 253873.2 | 0.0 | S |
| 22.642 | 0.5809 | 0.0000 | 84.541 | 1.68912 | 0.00000 | 600871.8 | 253923.9 | 0.0 | S |
| 22.650 | 0.5939 | 0.0000 | 84.541 | 1.68794 | 0.00000 | 600889.4 | 253974.5 | 0.0 | S |
| 22.658 | 0.6061 | 0.0000 | 84.540 | 1.68676 | 0.00000 | 600907.4 | 254025.2 | 0.0 | S |
| 22.667 | 0.6174 | 0.0000 | 84.540 | 1.68560 | 0.00000 | 600925.8 | 254075.7 | 0.0 | S |
| 22.675 | 0.6276 | 0.0000 | 84.539 | 1.68444 | 0.00000 | 600944.5 | 254126.3 | 0.0 | S |
| 22.683 | 0.6367 | 0.0000 | 84.539 | 1.68328 | 0.00000 | 600963.4 | 254176.8 | 0.0 | S |
| 22.692 | 0.6446 | 0.0000 | 84.539 | 1.68213 | 0.00000 | 600982.7 | 254227.3 | 0.0 | S |
| 22.700 | 0.6514 | 0.0000 | 84.538 | 1.68097 | 0.00000 | 601002.1 | 254277.7 | 0.0 | S |
| 22.708 | 0.6573 | 0.0000 | 84.538 | 1.67982 | 0.00000 | 601021.8 | 254328.1 | 0.0 | S |
| 22.717 | 0.6626 | 0.0000 | 84.537 | 1.67867 | 0.00000 | 601041.6 | 254378.5 | 0.0 | S |
| 22.725 | 0.6672 | 0.0000 | 84.537 | 1.67752 | 0.00000 | 601061.5 | 254428.9 | 0.0 | S |
| 22.733 | 0.6713 | 0.0000 | 84.536 | 1.67637 | 0.00000 | 601081.6 | 254479.2 | 0.0 | S |
| 22.742 | 0.6750 | 0.0000 | 84.536 | 1.67522 | 0.00000 | 601101.8 | 254529.5 | 0.0 | S |
| 22.750 | 0.6783 | 0.0000 | 84.536 | 1.67406 | 0.00000 | 601122.1 | 254579.7 | 0.0 | S |
| 22.758 | 0.6812 | 0.0000 | 84.535 | 1.67291 | 0.00000 | 601142.4 | 254629.9 | 0.0 | S |
| 22.767 | 0.6838 | 0.0000 | 84.535 | 1.67176 | 0.00000 | 601162.9 | 254680.1 | 0.0 | S |
| 22.775 | 0.6861 | 0.0000 | 84.534 | 1.67060 | 0.00000 | 601183.4 | 254730.2 | 0.0 | S |
| 22.783 | 0.6881 | 0.0000 | 84.534 | 1.66945 | 0.00000 | 601204.1 | 254780.3 | 0.0 | S |
| 22.792 | 0.6898 | 0.0000 | 84.534 | 1.66829 | 0.00000 | 601224.8 | 254830.4 | 0.0 | S |
| 22.800 | 0.6914 | 0.0000 | 84.533 | 1.66714 | 0.00000 | 601245.4 | 254880.4 | 0.0 | S |
| 22.808 | 0.6928 | 0.0000 | 84.533 | 1.66598 | 0.00000 | 601266.3 | 254930.4 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3 / 3}$ ) | Overflow Discharge ( $\mathrm{ft} / \mathrm{s}$ ) | Cumulative Infiow Volume (ft ${ }^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 22.817 | 0.6940 | 0.0000 | 84.532 | 1.66483 | 0.00000 | 601287.1 | 254980.4 | 0.0 | S |
| 22.825 | 0.6951 | 0.0000 | 84.532 | 1.66367 | 0.00000 | 601307.9 | 255030.3 | 0.0 | S |
| 22.833 | 0.6961 | 0.0000 | 84.532 | 1.66251 | 0.00000 | 601328.8 | 255080.2 | 0.0 | S |
| 22.842 | 0.6969 | 0.0000 | 84.531 | 1.66136 | 0.00000 | 601349.6 | 255130.0 | 0.0 | S |
| 22.850 | 0.6977 | 0.0000 | 84.531 | 1.66020 | 0.00000 | 601370.6 | 255179.9 | 0.0 | S |
| 22.858 | 0.6984 | 0.0000 | 84.530 | 1.65905 | 0.00000 | 601391.5 | 255229.6 | 0.0 | S |
| 22.867 | 0.6989 | 0.0000 | 84.530 | 1.65789 | 0.00000 | 601412.4 | 255279.4 | 0.0 | S |
| 22.875 | 0.6995 | 0.0000 | 84.530 | 1.65674 | 0.00000 | 601433.4 | 255329.1 | 0.0 | S |
| 22.883 | 0.6999 | 0.0000 | 84.529 | 1.65559 | 0.00000 | 601454.4 | 255378.8 | 0.0 | S |
| 22.892 | 0.7003 | 0.0000 | 84.529 | 1.65444 | 0.00000 | 601475.4 | 255428.5 | 0.0 | S |
| 22.900 | 0.7007 | 0.0000 | 84.528 | 1.65329 | 0.00000 | 601496.4 | 255478.1 | 0.0 | S |
| 22.908 | 0.7010 | 0.0000 | 84.528 | 1.65214 | 0.00000 | 601517.4 | 255527.7 | 0.0 | S |
| 22.917 | 0.7013 | 0.0000 | 84.528 | 1.65099 | 0.00000 | 601538.5 | 255577.2 | 0.0 | S |
| 22,925 | 0.7016 | 0.0000 | 84.527 | 1.64984 | 0.00000 | 601559.6 | 255626.7 | 0.0 | S |
| 22.933 | 0.7018 | 0.0000 | 84.527 | 1.64869 | 0.00000 | 601580.6 | 255676.2 | 0.0 | S |
| 22.942 | 0.7020 | 0.0000 | 84.527 | 1.64755 | 0.00000 | 601601.6 | 255725.6 | 0.0 | S |
| 22.950 | 0.7022 | 0.0000 | 84.526 | 1.64640 | 0.00000 | 601622.7 | 255775.0 | 0.0 | S |
| 22.958 | 0.7023 | 0.0000 | 84.526 | 1.64526 | 0.00000 | 601643.8 | 255824.4 | 0.0 | S |
| 22.967 | 0.7025 | 0.0000 | 84.525 | 1.64412 | 0.00000 | 601664.9 | 255873.8 | 0.0 | S |
| 22.975 | 0.7026 | 0.0000 | 84.525 | 1.64298 | 0.00000 | 601685.9 | 255923.1 | 0.0 | S |
| 22.983 | 0.7027 | 0.0000 | 84.525 | 1.64184 | 0.00000 | 601707.0 | 255972.3 | 0.0 | S |
| 22.992 | 0.7028 | 0.0000 | 84.524 | 1.64070 | 0.00000 | 601728.1 | 256021.6 | 0.0 | S |
| 23.000 | 0.7023 | 0.0000 | 84.524 | 1.63956 | 0.00000 | 601749.2 | 256070.8 | 0.0 | S |
| 23.008 | 0.7007 | 0.0000 | 84.523 | 1.63843 | 0.00000 | 601770.2 | 256120.0 | 0.0 | S |
| 23.017 | 0.6975 | 0.0000 | 84.523 | 1.63728 | 0.00000 | 601791.2 | 256169.1 | 0.0 | S |
| 23.025 | 0.6925 | 0.0000 | 84.523 | 1.63613 | 0.00000 | 601812.1 | 256218.2 | 0.0 | S |
| 23.033 | 0.6851 | 0.0000 | 84.522 | 1.63497 | 0.00000 | 601832.7 | 256267.3 | 0.0 | S |
| 23.042 | 0.6748 | 0.0000 | 84.522 | 1.63380 | 0.00000 | 601853.1 | 256316.3 | 0.0 | S |
| 23.050 | 0.6610 | 0.0000 | 84.522 | 1.63260 | 0.00000 | 601873.1 | 256365.3 | 0.0 | S |
| 23.058 | 0.6434 | 0.0000 | 84.521 | 1.63139 | 0.00000 | 601892.7 | 256414.2 | 0.0 | S |
| 23.067 | 0.6225 | 0.0000 | 84.521 | 1.63014 | 0.00000 | 601911.7 | 256463.2 | 0.0 | S |
| 23.075 | 0.5990 | 0.0000 | 84.520 | 1.62887 | 0.00000 | 601930.0 | 256512.0 | 0.0 | S |
| 23.083 | 0.5737 | 0.0000 | 84.520 | 1.62757 | 0.00000 | 601947.6 | 256560.9 | 0.0 | S |
| 23.092 | 0.5471 | 0.0000 | 84.519 | 1.62624 | 0.00000 | 601964.4 | 256609.7 | 0.0 | S |
| 23.100 | 0.5202 | 0.0000 | 84.519 | 1.62488 | 0.00000 | 601980.4 | 256658.5 | 0.0 | S |
| 23.108 | 0.4934 | 0.0000 | 84.518 | 1.62351 | 0.00000 | 601995.6 | 256707.2 | 0.0 | S |
| 23.117 | 0.4671 | 0.0000 | 84.518 | 1.62211 | 0.00000 | 602010.1 | 256755.9 | 0.0 | S |
| 23.125 | 0.4420 | 0.0000 | 84.518 | 1.62070 | 0.00000 | 602023.7 | 256804.5 | 0.0 | S |
| 23.133 | 0.4183 | 0.0000 | 84.517 | 1.61927 | 0.00000 | 602036.6 | 256853.1 | 0.0 | S |
| 23.142 | 0.3962 | 0.0000 | 84.517 | 1.61784 | 0.00000 | 602048.8 | 256901.7 | 0.0 | S |
| 23.150 | 0.3758 | 0.0000 | 84.516 | 1.61640 | 0.00000 | 602060.4 | 256950.2 | 0.0 | S |
| 23.158 | 0.3574 | 0.0000 | 84.516 | 1.61495 | 0.00000 | 602071.4 | 256998.7 | 0.0 | S |
| 23.167 | 0.3414 | 0.0000 | 84.515 | 1.61351 | 0.00000 | 602081.9 | 257047.1 | 0.0 | S |
| 23.175 | 0.3276 | 0.0000 | 84.515 | 1.61207 | 0.00000 | 602091.9 | 257095.5 | 0.0 | S |
| 23.183 | 0.3156 | 0.0000 | 84.514 | 1.61064 | 0.00000 | 602101.6 | 257143.8 | 0.0 | S |
| 23.192 | 0.3050 | 0.0000 | 84.513 | 1.60922 | 0.00000 | 602110.8 | 257192.1 | 0.0 | S |
| 23.200 | 0.2957 | 0.0000 | 84.513 | 1.60781 | 0.00000 | 602119.9 | 257240.4 | 0.0 | S |
| 23.208 | 0.2874 | 0.0000 | 84.512 | 1.60640 | 0.00000 | 602128.6 | 257288.6 | 0.0 | S |
| 23.217 | 0.2801 | 0.0000 | 84.512 | 1.60500 | 0.00000 | 602137.1 | 257336.8 | 0.0 | S |
| 23.225 | 0.2735 | 0.0000 | 84.511 | 1.60362 | 0.00000 | 602145.4 | 257384.9 | 0.0 | S |
| 23.233 | 0.2676 | 0.0000 | 84.511 | 1.60224 | 0.00000 | 602153.6 | 257433.0 | 0.0 | S |
| 23.242 | 0.2625 | 0.0000 | 84.510 | 1.60087 | 0.00000 | 602161.5 | 257481.0 | 0.0 | S |
| 23.250 | 0.2579 | 0.0000 | 84.510 | 1.59951 | 0.00000 | 602169.3 | 257529.0 | 0.0 | S |
| 23.258 | 0.2539 | 0.0000 | 84.509 | 1.59816 | 0.00000 | 602176.9 | 257577.0 | 0.0 | S |
| 23.267 | 0.2503 | 0.0000 | 84.509 | 1.59681 | 0.00000 | 602184.5 | 257624.9 | 0.0 | S |
| 23.275 | 0.2471 | 0.0000 | 84.508 | 1.59548 | 0.00000 | 602192.0 | 257672.8 | 0.0 | S |
| 23.283 | 0.2443 | 0.0000 | 84.507 | 1.59415 | 0.00000 | 602199.4 | 257720.6 | 0.0 | S |
| 23.292 | 0.2419 | 0.0000 | 84.507 | 1.59283 | 0.00000 | 602206.6 | 257768.4 | 0.0 | S |
| 23.300 | 0.2397 | 0.0000 | 84.506 | 1.59152 | 0.00000 | 602213.9 | 257816.2 | 0.0 | S |
| 23.308 | 0.2377 | 0.0000 | 84.506 | 1.59022 | 0.00000 | 602221.1 | 257863.9 | 0.0 | S |
| 23.317 | 0.2360 | 0.0000 | 84.505 | 1.58892 | 0.00000 | 602228.1 | 257911.6 | 0.0 | S |
| 23.325 | 0.2345 | 0.0000 | 84.505 | 1.58764 | 0.00000 | 602235.2 | 257959.3 | 0.0 | S |
| 23.333 | 0.2332 | 0.0000 | 84.504 | 1.58635 | 0.00000 | 602242.3 | 258006.9 | 0.0 | S |
| 23.342 | 0.2320 | 0.0000 | 84.504 | 1.58508 | 0.00000 | 602249.2 | 258054.5 | 0.0 | S |
| 23.350 | 0.2310 | 0.0000 | 84.503 | 1.58381 | 0.00000 | 602256.1 | 258102.0 | 0.0 | S |
| 23.358 | 0.2300 | 0.0000 | 84.502 | 1.58255 | 0.00000 | 602263.1 | 258149.5 | 0.0 | S |
| 23.367 | 0.2292 | 0.0000 | 84.502 | 1.58129 | 0.00000 | 602269.9 | 258196.9 | 0.0 | S |
| 23.375 | 0.2285 | 0.0000 | 84.501 | 1.58004 | 0.00000 | 602276.8 | 258244.4 | 0.0 | S |
| 23.383 | 0.2278 | 0.0000 | 84.501 | 1.57879 | 0.00000 | 602283.6 | 258291.7 | 0.0 | S |
| 23,392 | 0.2273 | 0.0000 | 84.500 | 1.57756 | 0.00000 | 602290.5 | 258339.1 | 0.0 | S |
| 23.400 | 0.2268 | 0.0000 | 84.500 | 1.57632 | 0.00000 | 602297.3 | 258386.4 | 0.0 | S |
| 23.408 | 0.2263 | 0.0000 | 84.499 | 1.57509 | 0.00000 | 602304.1 | 258433.7 | 0.0 | S |
| 23.417 | 0.2259 | 0.0000 | 84.499 | 1.57387 | 0.00000 | 602310.9 | 258480.9 | 0.0 | S |
| 23.425 | 0.2256 | 0.0000 | 84.498 | 1.57265 | 0.00000 | 602317.6 | 258528.1 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year/24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{3}$ s) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{t}^{3} / \mathrm{s}$ ) | $\begin{aligned} & \text { Cumulative } \\ & \text { Inflow } \\ & \text { Volume ( } \mathrm{ft}^{3} \text { ) } \end{aligned}$ | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 23.433 | 0.2252 | 0.0000 | 84.497 | 1.57143 | 0.00000 | 602324.4 | 258575.3 | 0.0 | S |
| 23.442 | 0.2250 | 0.0000 | 84.497 | 1.57022 | 0.00000 | 602331.2 | 258622.4 | 0.0 | S |
| 23.450 | 0.2247 | 0.0000 | 84.496 | 1.56902 | 0.00000 | 602337.9 | 258669.5 | 0.0 | S |
| 23.458 | 0.2245 | 0.0000 | 84.496 | \$.56782 | 0.00000 | 602344.6 | 258716.5 | 0.0 | S |
| 23.467 | 0.2243 | 0.0000 | 84.495 | 1.56662 | 0.00000 | 602351.4 | 258763.5 | 0.0 | S |
| 23.475 | 0.2241 | 0.0000 | 84.495 | 1.56543 | 0.00000 | 602358.1 | 258810.5 | 0.0 | S |
| 23.483 | 0.2239 | 0.0000 | 84.494 | 1.56424 | 0.00000 | 602364.8 | 258857.5 | 0.0 | S |
| 23.492 | 0.2238 | 0.0000 | 84.494 | 1.56306 | 0.00000 | 602371.6 | 258904.4 | 0.0 | S |
| 23.500 | 0.2237 | 0.0000 | 84.493 | 1.56188 | 0.00000 | 602378.3 | 258951.3 | 0.0 | S |
| 23.508 | 0.2236 | 0.0000 | 84.492 | 1.56070 | 0.00000 | 602384.9 | 258998.1 | 0.0 | S |
| 23.517 | 0.2235 | 0.0000 | 84.492 | 1.55953 | 0.00000 | 602391.7 | 259044.9 | 0.0 | S |
| 23.525 | 0.2234 | 0.0000 | 84.491 | 1.55836 | 0.00000 | 602398.4 | 259091.7 | 0.0 | S |
| 23.533 | 0.2234 | 0.0000 | 84.491 | $\uparrow .55719$ | 0.00000 | 602405.1 | 259138.4 | 0.0 | S |
| 23.542 | 0.2234 | 0.0000 | 84.490 | 1.55603 | 0.00000 | 602411.8 | 259185.1 | 0.0 | S |
| 23.550 | 0.2234 | 0.0000 | 84.490 | 1.55487 | 0.00000 | 602418.5 | 259231.8 | 0.0 | S |
| 23.558 | 0.2234 | 0.0000 | 84.489 | 1.55372 | 0.00000 | 602425.2 | 259278.4 | 0.0 | S |
| 23.567 | 0.2234 | 0.0000 | 84.489 | 1.55256 | 0.00000 | 602431.9 | 259325.0 | 0.0 | S |
| 23.575 | 0.2234 | 0.0000 | 84.488 | 1.55142 | 0.00000 | 602438.6 | 259371.5 | 0.0 | S |
| 23.583 | 0.2233 | 0.0000 | 84.488 | 1.55027 | 0.00000 | 602445.3 | 259418.1 | 0.0 | S |
| 23.592 | 0.2233 | 0.0000 | 84.487 | 1.54913 | 0.00000 | 602452.0 | 259464.5 | 0.0 | S |
| 23.600 | 0.2233 | 0.0000 | 84.486 | 1.54799 | 0.00000 | 602458.7 | 259511.0 | 0.0 | S |
| 23.608 | 0.2233 | 0.0000 | 84.486 | 1.54686 | 0.00000 | 602465.4 | 259557.4 | 0.0 | S |
| 23.617 | 0.2233 | 0.0000 | 84.485 | 1.54572 | 0.00000 | 602472.1 | 259603.8 | 0.0 | S |
| 23.625 | 0.2233 | 0.0000 | 84.485 | 1.54460 | 0.00000 | 602478.8 | 259650.2 | 0.0 | S |
| 23.633 | 0.2233 | 0.0000 | 84.484 | 1.54347 | 0.00000 | 602485.5 | 259696.5 | 0.0 | S |
| 23.642 | 0.2233 | 0.0000 | 84.484 | 1.54235 | 0.00000 | 602492.2 | 259742.8 | 0.0 | S |
| 23.650 | 0.2232 | 0.0000 | 84.483 | 1.54123 | 0.00000 | 602498.9 | 259789.0 | 0.0 | S |
| 23.658 | 0.2232 | 0.0000 | 84.483 | 1.54011 | 0.00000 | 602505.6 | 259835.3 | 0.0 | S |
| 23.667 | 0.2232 | 0.0000 | 84.482 | 1.53899 | 0.00000 | 602512.3 | 259881.4 | 0.0 | S |
| 23.675 | 0.2232 | 0.0000 | 84.482 | 1.53788 | 0.00000 | 602518.9 | 259927.6 | 0.0 | S |
| 23.683 | 0.2232 | 0.0000 | 84.481 | 1.53677 | 0.00000 | 602525.6 | 259973.7 | 0.0 | S |
| 23.692 | 0.2232 | 0.0000 | 84.480 | 1.53567 | 0.00000 | 602532.4 | 260019.8 | 0.0 | S |
| 23.700 | 0.2232 | 0.0000 | 84.480 | 1.53456 | 0.00000 | 602539.1 | 260065.9 | 0.0 | S |
| 23,708 | 0.2232 | 0.0000 | 84.479 | 1.53346 | 0.00000 | 602545.8 | 260111.9 | 0.0 | S |
| 23.717 | 0.2232 | 0.0000 | 84.479 | 1.53237 | 0.00000 | 602552.4 | 260157.9 | 0.0 | S |
| 23.725 | 0.2232 | 0.0000 | 84.478 | 1.53127 | 0.00000 | 602559.1 | 260203.8 | 0.0 | S |
| 23.733 | 0.2232 | 0.0000 | 84.478 | 1.53018 | 0.00000 | 602565.8 | 260249.7 | 0.0 | S |
| 23.742 | 0.2232 | 0.0000 | 84.477 | 1.52909 | 0.00000 | 602572.5 | 260295.6 | 0.0 | S |
| 23.750 | 0.2232 | 0.0000 | 84.477 | 1.52800 | 0.00000 | 602579.2 | 260341.5 | 0.0 | S |
| 23.758 | 0.2232 | 0.0000 | 84.476 | 1.52692 | 0.00000 | 602585.9 | 260387.3 | 0.0 | S |
| 23.767 | 0.2232 | 0.0000 | 84.476 | 1.52583 | 0.00000 | 602592.6 | 260433.1 | 0.0 | S |
| 23.775 | 0.2232 | 0.0000 | 84.475 | 1.52475 | 0.00000 | 602599.3 | 260478.9 | 0.0 | S |
| 23.783 | 0.2232 | 0.0000 | 84.475 | 1.52368 | 0.00000 | 602606.0 | 260524.6 | 0.0 | S |
| 23.792 | 0.2232 | 0.0000 | 84.474 | 1.52260 | 0.00000 | 602612.7 | 260570.3 | 0.0 | S |
| 23.800 | 0.2232 | 0.0000 | 84.473 | 1.52153 | 0.00000 | 602619.4 | 260615.9 | 0.0 | S |
| 23.808 | 0.2232 | 0.0000 | 84.473 | 1.52046 | 0.00000 | 602626.1 | 260661.6 | 0.0 | S |
| 23.817 | 0.2232 | 0.0000 | 84.472 | 1.51939 | 0.00000 | 602632.8 | 260707.2 | 0.0 | S |
| 23.825 | 0.2232 | 0.0000 | 84.472 | 1.51833 | 0.00000 | 602639.5 | 260752.7 | 0.0 | S |
| 23.833 | 0.2232 | 0.0000 | 84.471 | 1.51726 | 0.00000 | 602646.2 | 260798.3 | 0.0 | S |
| 23.842 | 0.2232 | 0.0000 | 84.471 | 1.51620 | 0.00000 | 602652.9 | 260843.8 | 0.0 | S |
| 23.850 | 0.2232 | 0.0000 | 84.470 | 1.51515 | 0.00000 | 602659.6 | 260889.2 | 0.0 | S |
| 23.858 | 0.2232 | 0.0000 | 84.470 | 1.51409 | 0.00000 | 602666.3 | 260934.7 | 0.0 | S |
| 23.867 | 0.2232 | 0.0000 | 84.469 | 1.51304 | 0.00000 | 602672.9 | 260980.1 | 0.0 | S |
| 23.875 | 0.2232 | 0.0000 | 84.469 | 1.51199 | 0.00000 | 602679.6 | 261025.5 | 0.0 | S |
| 23.883 | 0.2232 | 0.0000 | 84.468 | 1.51094 | 0.00000 | 602686.3 | 261070.8 | 0.0 | S |
| 23.892 | 0.2232 | 0.0000 | 84.468 | 1.50989 | 0.00000 | 602693.1 | 261116.1 | 0.0 | S |
| 23.900 | 0.2232 | 0.0000 | 84.467 | 1.50885 | 0.00000 | 602699.8 | 261161.4 | 0.0 | S |
| 23.908 | 0.2232 | 0.0000 | 84.467 | 1.50780 | 0.00000 | 602706.4 | 261206.6 | 0.0 | S |
| 23.917 | 0.2232 | 0.0000 | 84.466 | 1.50676 | 0.00000 | 602713.1 | 261251.9 | 0.0 | S |
| 23.925 | 0.2232 | 0.0000 | 84.465 | 1.50573 | 0.00000 | 602719.8 | 261297.0 | 0.0 | S |
| 23.933 | 0.2232 | 0.0000 | 84.465 | 1.50469 | 0.00000 | 602726.5 | 261342.2 | 0.0 | S |
| 23.942 | 0.2232 | 0.0000 | 84.464 | 1.50366 | 0.00000 | 602733.2 | 261387.3 | 0.0 | S |
| 23.950 | 0.2232 | 0.0000 | 84.464 | 1.50263 | 0.00000 | 602739.9 | 261432.4 | 0.0 | S |
| 23.958 | 0.2232 | 0.0000 | 84.463 | 1.50160 | 0.00000 | 602746.6 | 261477.5 | 0.0 | S |
| 23.967 | 0.2232 | 0.0000 | 84.463 | 1.50057 | 0.00000 | 602753.3 | 261522.5 | 0.0 | S |
| 23.975 | 0.2232 | 0.0000 | 84.462 | 1.49955 | 0.00000 | 602760.0 | 261567.5 | 0.0 | S |
| 23.983 | 0.2232 | 0.0000 | 84.462 | 1.49853 | 0.00000 | 602766.7 | 261612.5 | 0.0 | S |
| 23.992 | 0.2232 | 0.0000 | 84.461 | 1.49751 | 0.00000 | 602773.4 | 261657.4 | 0.0 | S |
| 24.000 | 0.2232 | 0.0000 | 84.461 | 1.49649 | 0.00000 | 602780.1 | 261702.3 | 0.0 | S |
| 24.008 | 0.2229 | 0.0000 | 84.460 | 1.49547 | 0.00000 | 602786.8 | 261747.2 | 0.0 | S |
| 24.017 | 0.2221 | 0.0000 | 84.460 | 1.49446 | 0.00000 | 602793.4 | 261792.1 | 0.0 | S |
| 24.025 | 0.2205 | 0.0000 | 84.459 | 1.49344 | 0.00000 | 602800.1 | 261836.9 | 0.0 | S |
| 24.033 | 0.2182 | 0.0000 | 84.459 | 1.49242 | 0.00000 | 602806.6 | 261881.7 | 0.0 | S |
| 24.042 | 0.2146 | 0.0000 | 84.458 | 1.49140 | 0.00000 | 602813.1 | 261926.4 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{H}^{3 / 5}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{Hi}^{3 / \mathrm{s}}$ ) | Overlow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infilltration Volume ( $\mathrm{t}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 24.050 | 0.2098 | 0.0000 | 84.458 | 1.49037 | 0.00000 | 602819.5 | 261971.2 | 0.0 | S |
| 24.058 | 0.2033 | 0.0000 | 84.457 | 1.48933 | 0.00000 | 602825.7 | 262015.9 | 0.0 | S |
| 24.067 | 0.1950 | 0.0000 | 84.457 | 1.48829 | 0.00000 | 602831.7 | 262060.5 | 0.0 | S |
| 24.075 | 0.1852 | 0.0000 | 84.456 | 1.48723 | 0.00000 | 602837.4 | 262105.2 | 0.0 | S |
| 24.083 | 0.1743 | 0.0000 | 84.455 | 1.48616 | 0.00000 | 602842.8 | 262149.8 | 0.0 | S |
| 24.092 | 0.1624 | 0.0000 | 84.455 | 1.48508 | 0.00000 | 602847.8 | 262194.3 | 0.0 | S |
| 24.100 | 0.1500 | 0.0000 | 84.454 | 1.48399 | 0.00000 | 602852.5 | 262238.9 | 0.0 | S |
| 24.108 | 0.1375 | 0.0000 | 84.454 | 1.48288 | 0.00000 | 602856.8 | 262283.4 | 0.0 | S |
| 24.117 | 0.1251 | 0.0000 | 84.453 | 1.48177 | 0.00000 | 602860.8 | 262327.8 | 0.0 | S |
| 24.125 | 0.1129 | 0.0000 | 84.453 | 1.48065 | 0.00000 | 602864.3 | 262372.3 | 0.0 | S |
| 24.133 | 0.1012 | 0.0000 | 84.452 | 1.47952 | 0.00000 | 602867.6 | 262416.7 | 0.0 | S |
| 24.142 | 0.0902 | 0.0000 | 84.452 | 1.47839 | 0.00000 | 602870.4 | 262461.0 | 0.0 | S |
| 24.150 | 0.0799 | 0.0000 | 84.451 | $\} .47726$ | 0.00000 | 602873.0 | 262505.4 | 0.0 | S |
| 24.158 | 0.0705 | 0.0000 | 84.450 | 1.47612 | 0.00000 | 602875.3 | 262549.7 | 0.0 | S |
| 24.167 | 0.0620 | 0.0000 | 84.450 | 1.47498 | 0.00000 | 602877.2 | 262593.9 | 0.0 | S |
| 24.175 | 0.0546 | 0.0000 | 84.449 | 1.47385 | 0.00000 | 602878.9 | 262638.2 | 0.0 | S |
| 24.183 | 0.0482 | 0.0000 | 84.449 | 1.47271 | 0.00000 | 602880.5 | 262682.4 | 0.0 | S |
| 24.192 | 0.0427 | 0.0000 | 84.448 | 1.47159 | 0.00000 | 602881.9 | 262726.5 | 0.0 | S |
| 24.200 | 0.0378 | 0.0000 | 84.447 | 1.47046 | 0.00000 | 602883.1 | 262770.7 | 0.0 | S |
| 24.208 | 0.0334 | 0.0000 | 84.447 | 1.46934 | 0.00000 | 602884.1 | 262814.8 | 0.0 | S |
| 24.217 | 0.0296 | 0.0000 | 84.446 | 1.46823 | 0.00000 | 602885.1 | 262858.8 | 0.0 | S |
| 24.225 | 0.0262 | 0.0000 | 84.446 | 1.46712 | 0.00000 | 602885.9 | 262902.9 | 0.0 | S |
| 24.233 | 0.0232 | 0.0000 | 84.445 | 1.46602 | 0.00000 | 602886.7 | 262946.9 | 0.0 | S |
| 24.242 | 0.0205 | 0.0000 | 84.444 | 1.46492 | 0.00000 | 602887.3 | 262990.8 | 0.0 | S |
| 24.250 | 0.0181 | 0.0000 | 84.444 | 1.46383 | 0.00000 | 602887.9 | 263034.8 | 0.0 | S |
| 24.258 | 0.0159 | 0.0000 | 84.443 | 1.46274 | 0.00000 | 602888.4 | 263078.7 | 0.0 | S |
| 24.267 | 0.0141 | 0.0000 | 84.443 | 1.46166 | 0.00000 | 602888.9 | 263122.5 | 0.0 | S |
| 24.275 | 0.0124 | 0.0000 | 84.442 | 1.46058 | 0.00000 | 602889.3 | 263166.3 | 0.0 | S |
| 24.283 | 0.0110 | 0.0000 | 84.441 | 1.45951 | 0.00000 | 602889.6 | 263210.2 | 0.0 | S |
| 24.292 | 0.0097 | 0.0000 | 84.441 | 1.45844 | 0.00000 | 602889.9 | 263253.9 | 0.0 | S |
| 24.300 | 0.0085 | 0.0000 | 84.440 | 1.45738 | 0.00000 | 602890.2 | 263297.7 | 0.0 | S |
| 24.308 | 0.0075 | 0.0000 | 84.440 | 1.45632 | 0.00000 | 602890.4 | 263341.4 | 0.0 | S |
| 24.317 | 0.0066 | 0.0000 | 84.439 | 1.45526 | 0.00000 | 602890.6 | 263385.0 | 0.0 | S |
| 24.325 | 0.0058 | 0.0000 | 84.438 | 1.45421 | 0.00000 | 602890.8 | 263428.7 | 0.0 | S |
| 24.333 | 0.0051 | 0.0000 | 84.438 | 1.45317 | 0.00000 | 602891.0 | 263472.3 | 0.0 | S |
| 24.342 | 0.0045 | 0.0000 | 84.437 | 1.45213 | 0.00000 | 602891.1 | 263515.9 | 0.0 | S |
| 24.350 | 0.0040 | 0.0000 | 84.437 | 1.45109 | 0.00000 | 602891.3 | 263559.4 | 0.0 | S |
| 24.358 | 0.0035 | 0.0000 | 84.436 | 1.45005 | 0.00000 | 602891.4 | 263602.9 | 0.0 | S |
| 24.367 | 0.0031 | 0.0000 | 84.436 | 1.44902 | 0.00000 | 602891.5 | 263646.4 | 0.0 | S |
| 24.375 | 0.0027 | 0.0000 | 84.435 | 1.44800 | 0.00000 | 602891.6 | 263689.9 | 0.0 | S |
| 24.383 | 0.0023 | 0.0000 | 84.434 | 1.44697 | 0.00000 | 602891.6 | 263733.3 | 0.0 | S |
| 24.392 | 0.0020 | 0.0000 | 84.434 | 1.44595 | 0.00000 | 602891.7 | 263776.7 | 0.0 | S |
| 24.400 | 0.0018 | 0.0000 | 84.433 | 1.44494 | 0.00000 | 602891.8 | 263820.1 | 0.0 | S |
| 24.408 | 0.0015 | 0.0000 | 84.433 | 1.44392 | 0.00000 | 602891.8 | 263863.4 | 0.0 | S |
| 24.417 | 0.0013 | 0.0000 | 84.432 | 1.44291 | 0.00000 | 602891.9 | 263906.7 | 0.0 | S |
| 24.425 | 0.0012 | 0.0000 | 84.431 | 1.44191 | 0.00000 | 602891.9 | 263950.0 | 0.0 | S |
| 24.433 | 0.0010 | 0.0000 | 84.431 | 1.44090 | 0.00000 | 602891.9 | 263993.2 | 0.0 | S |
| 24.442 | 0.0009 | 0.0000 | 84.430 | 1.43990 | 0.00000 | 602891.9 | 264036.4 | 0.0 | S |
| 24.450 | 0.0007 | 0.0000 | 84.430 | 1.43890 | 0.00000 | 602892.0 | 264079.6 | 0.0 | S |
| 24.458 | 0.0006 | 0.0000 | 84.429 | 1.43791 | 0.00000 | 602892.0 | 264122.8 | 0.0 | S |
| 24.467 | 0.0005 | 0.0000 | 84.428 | 1.43692 | 0.00000 | 602892.0 | 264165.9 | 0.0 | S |
| 24.475 | 0.0004 | 0.0000 | 84.428 | 1.43593 | 0.00000 | 602892.1 | 264209.0 | 0.0 | S |
| 24.483 | 0.0003 | 0.0000 | 84.427 | 1.43494 | 0.00000 | 602892.1 | 264252.0 | 0.0 | S |
| 24.492 | 0.0002 | 0.0000 | 84.427 | 1.43396 | 0.00000 | 602892.1 | 264295.1 | 0.0 | S |
| 24.500 | 0.0002 | 0.0000 | 84.426 | 1.43298 | 0.00000 | 602892.1 | 264338.1 | 0.0 | S |
| 24.508 | 0.0001 | 0.0000 | 84.425 | 1.43200 | 0.00000 | 602892.1 | 264381.1 | 0.0 | S |
| 24.517 | 0.0001 | 0.0000 | 84.425 | 1.43102 | 0.00000 | 602892.1 | 264424.0 | 0.0 | S |
| 24.525 | 0.0000 | 0.0000 | 84.424 | 1.43005 | 0.00000 | 602892.1 | 264466.9 | 0.0 | S |
| 24.533 | 0.0000 | 0.0000 | 84.424 | 1.42908 | 0.00000 | 602892.1 | 264509.8 | 0.0 | S |
| 24.542 | 0.0000 | 0.0000 | 84.423 | 1.42811 | 0.00000 | 602892.1 | 264552.7 | 0.0 | S |
| 24.550 | 0.0000 | 0.0000 | 84.422 | 1.42714 | 0.00000 | 602892.1 | 264595.5 | 0.0 | S |
| 24.558 | 0.0000 | 0.0000 | 84.422 | 1.42618 | 0.00000 | 602892.1 | 264638.3 | 0.0 | S |
| 24.567 | 0.0000 | 0.0000 | 84.421 | 1.42521 | 0.00000 | 602892.1 | 264681.1 | 0.0 | S |
| 24.575 | 0.0000 | 0.0000 | 84.421 | 1.42425 | 0.00000 | 602892.1 | 264723.8 | 0.0 | S |
| 24.583 | 0.0000 | 0.0000 | 84.420 | 1.42330 | 0.00000 | 602892.1 | 264766.5 | 0.0 | S |
| 24.592 | 0.0000 | 0.0000 | 84.419 | 1.42234 | 0.00000 | 602892.1 | 264809.2 | 0.0 | S |
| 24.600 | 0.0000 | 0.0000 | 84.419 | 1.42139 | 0.00000 | 602892.1 | 264851.8 | 0.0 | S |
| 24.608 | 0.0000 | 0.0000 | 84.418 | 1.42044 | 0.00000 | 602892.1 | 264894.5 | 0.0 | S |
| 24.617 | 0.0000 | 0.0000 | 84.418 | 1.41949 | 0.00000 | 602892.1 | 264937.1 | 0.0 | S |
| 24.625 | 0.0000 | 0.0000 | 84.417 | 1.41854 | 0.00000 | 602892.1 | 264979.7 | 0.0 | S |
| 24.633 | 0.0000 | 0.0000 | 84.417 | 1.41760 | 0.00000 | 602892.1 | 265022.2 | 0.0 | S |
| 24.642 | 0.0000 | 0.0000 | 84.416 | 1.41666 | 0.00000 | 602892.1 | 265064.7 | 0.0 | S |
| 24.650 | 0.0000 | 0.0000 | 84.415 | 1.41572 | 0.00000 | 602892.1 | 265107.2 | 0.0 | S |
| 24.658 | 0.0000 | 0.0000 | 84.415 | 1.41478 | 0.00000 | 602892.1 | 265149.7 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation ( t datum) | infiltration Rate ( $\mathrm{ft}^{3 / 5}$ ) | Overflow Discharge ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 24.667 | 0.0000 | 0.0000 | 84.414 | 1.41385 | 0.00000 | 602892.1 | 265192.1 | 0.0 | S |
| 24.675 | 0.0000 | 0.0000 | 84.414 | 1.41291 | 0.00000 | 602892.1 | 265234.5 | 0.0 | S |
| 24.683 | 0.0000 | 0.0000 | 84.413 | 1.41198 | 0.00000 | 602892.1 | 265276.8 | 0.0 | S |
| 24.692 | 0.0000 | 0.0000 | 84.412 | 1.41105 | 0.00000 | 602892.1 | 265319.2 | 0.0 | S |
| 24.700 | 0.0000 | 0.0000 | 84.412 | 1.41012 | 0.00000 | 602892.1 | 265361.5 | 0.0 | S |
| 24.708 | 0.0000 | 0.0000 | 84.411 | 1.40920 | 0.00000 | 602892.1 | 265403.8 | 0.0 | S |
| 24.717 | 0.0000 | 0.0000 | 84.411 | 1.40827 | 0.00000 | 602892.1 | 265446.1 | 0.0 | S |
| 24.725 | 0.0000 | 0.0000 | 84.410 | 1.40735 | 0.00000 | 602892.1 | 265488.3 | 0.0 | S |
| 24.733 | 0.0000 | 0.0000 | 84.410 | 1.40643 | 0.00000 | 602892.1 | 265530.5 | 0.0 | S |
| 24.742 | 0.0000 | 0.0000 | 84.409 | 1.40551 | 0.00000 | 602892.1 | 265572.7 | 0.0 | S |
| 24.750 | 0.0000 | 0.0000 | 84.408 | 1.40460 | 0.00000 | 602892.1 | 265614.8 | 0.0 | S |
| 24.758 | 0.0000 | 0.0000 | 84.408 | 1.40368 | 0.00000 | 602892.1 | 265657.0 | 0.0 | S |
| 24.767 | 0.0000 | 0.0000 | 84.407 | 1.40277 | 0.00000 | 602892.1 | 265699.1 | 0.0 | S |
| 24.775 | 0.0000 | 0.0000 | 84.407 | 1.40186 | 0.00000 | 602892.1 | 265741.1 | 0.0 | S |
| 24.783 | 0.0000 | 0.0000 | 84.406 | 1.40095 | 0.00000 | 602892.1 | 265783.2 | 0.0 | S |
| 24.792 | 0.0000 | 0.0000 | 84.405 | 1.40004 | 0.00000 | 602892.1 | 265825.2 | 0.0 | S |
| 24.800 | 0.0000 | 0.0000 | 84.405 | 1.39914 | 0.00000 | 602892.1 | 265867.2 | 0.0 | S |
| 24.808 | 0.0000 | 0.0000 | 84.404 | 1.39823 | 0.00000 | 602892.1 | 265909.1 | 0.0 | S |
| 24.817 | 0.0000 | 0.0000 | 84.404 | 1.39733 | 0.00000 | 602892.1 | 265951.1 | 0.0 | S |
| 24.825 | 0.0000 | 0.0000 | 84.403 | 1.39643 | 0.00000 | 602892.1 | 265993.0 | 0.0 | S |
| 24.833 | 0.0000 | 0.0000 | 84.403 | 1.39553 | 0.00000 | 602892.1 | 266034.8 | 0.0 | S |
| 24.842 | 0.0000 | 0.0000 | 84.402 | 1.39463 | 0.00000 | 602892.1 | 266076.7 | 0.0 | S |
| 24.850 | 0.0000 | 0.0000 | 84.401 | 1.39374 | 0.00000 | 602892.1 | 266118.5 | 0.0 | S |
| 24.858 | 0.0000 | 0.0000 | 84.401 | 1.39285 | 0.00000 | 602892.1 | 266160.3 | 0.0 | S |
| 24.867 | 0.0000 | 0.0000 | 84.400 | 1.39195 | 0.00000 | 602892.1 | 266202.1 | 0.0 | S |
| 24.875 | 0.0000 | 0.0000 | 84.400 | 1.39106 | 0.00000 | 602892.1 | 266243.8 | 0.0 | S |
| 24.883 | 0.0000 | 0.0000 | 84.399 | 1.39018 | 0.00000 | 602892.1 | 266285.6 | 0.0 | S |
| 24.892 | 0.0000 | 0.0000 | 84.399 | 1.38929 | 0.00000 | 602892.1 | 266327.3 | 0.0 | S |
| 24.900 | 0.0000 | 0.0000 | 84.398 | 1.38841 | 0.00000 | 602892.1 | 266368.9 | 0.0 | S |
| 24.908 | 0.0000 | 0.0000 | 84.397 | 1.38752 | 0.00000 | 602892.1 | 266410.6 | 0.0 | S |
| 24.917 | 0.0000 | 0.0000 | 84.397 | 1.38664 | 0.00000 | 602892.1 | 266452.2 | 0.0 | S |
| 24.925 | 0.0000 | 0.0000 | 84.396 | 1.38576 | 0.00000 | 602892.1 | 266493.8 | 0.0 | S |
| 24.933 | 0.0000 | 0.0000 | 84.396 | 1.38488 | 0.00000 | 602892.1 | 266535.3 | 0.0 | S |
| 24.942 | 0.0000 | 0.0000 | 84.395 | 1.38401 | 0.00000 | 602892.1 | 266576.8 | 0.0 | S |
| 24.950 | 0.0000 | 0.0000 | 84.394 | 1.38313 | 0.00000 | 602892.1 | 266618.3 | 0.0 | S |
| 24.958 | 0.0000 | 0.0000 | 84.394 | 1.38226 | 0.00000 | 602892.1 | 266659.8 | 0.0 | S |
| 24.967 | 0.0000 | 0.0000 | 84.393 | 1.38139 | 0.00000 | 602892.1 | 266701.3 | 0.0 | S |
| 24.975 | 0.0000 | 0.0000 | 84.393 | 1.38052 | 0.00000 | 602892.1 | 266742.7 | 0.0 | S |
| 24.983 | 0.0000 | 0.0000 | 84.392 | 1.37965 | 0.00000 | 602892.1 | 266784, 1 | 0.0 | S |
| 24.992 | 0.0000 | 0.0000 | 84.392 | 1.37878 | 0.00000 | 602892.1 | 266825.5 | 0.0 | S |
| 25.000 | 0.0000 | 0.0000 | 84.391 | 1.37792 | 0.00000 | 602892.1 | 266866.8 | 0.0 | S |
| 25.008 | 0.0000 | 0.0000 | 84.390 | 1.37705 | 0.00000 | 602892.1 | 266908.2 | 0.0 | S |
| 25.017 | 0.0000 | 0.0000 | 84.390 | 1.37619 | 0.00000 | 602892.1 | 266949.5 | 0.0 | S |
| 25.025 | 0.0000 | 0.0000 | 84.389 | 1.37533 | 0.00000 | 602892.1 | 266990.8 | 0.0 | S |
| 25.033 | 0.0000 | 0.0000 | 84.389 | 1.37447 | 0.00000 | 602892.1 | 267032.0 | 0.0 | S |
| 25.042 | 0.0000 | 0.0000 | 84.388 | 1.37361 | 0.00000 | 602892.1 | 267073.2 | 0.0 | S |
| 25.050 | 0.0000 | 0.0000 | 84.388 | 1.37276 | 0.00000 | 602892.1 | 267114.4 | 0.0 | S |
| 25.058 | 0.0000 | 0.0000 | 84.387 | 1.37190 | 0.00000 | 602892.1 | 267155.6 | 0.0 | S |
| 25.067 | 0.0000 | 0.0000 | 84.386 | 1.37105 | 0.00000 | 602892.1 | 267196.7 | 0.0 | S |
| 25.075 | 0.0000 | 0.0000 | 84.386 | 1.37020 | 0.00000 | 602892.1 | 267237.8 | 0.0 | S |
| 25.083 | 0.0000 | 0.0000 | 84.385 | 1.36935 | 0.00000 | 602892.1 | 267278.9 | 0.0 | S |
| 25.092 | 0.0000 | 0.0000 | 84.385 | 1.36850 | 0.00000 | 602892.1 | 267320.0 | 0.0 | S |
| 25.100 | 0.0000 | 0.0000 | 84.384 | 1.36765 | 0.00000 | 602892.1 | 267361.0 | 0.0 | S |
| 25.108 | 0.0000 | 0.0000 | 84.384 | 1.36680 | 0.00000 | 602892.1 | 267402.1 | 0.0 | S |
| 25.117 | 0.0000 | 0.0000 | 84.383 | 1.36596 | 0.00000 | 602892.1 | 267443.1 | 0.0 | S |
| 25.125 | 0.0000 | 0.0000 | 84.382 | 1.36512 | 0.00000 | 602892.1 | 267484.0 | 0.0 | S |
| 25.133 | 0.0000 | 0.0000 | 84.382 | 1.36428 | 0.00000 | 602892.1 | 267525.0 | 0.0 | S |
| 25.142 | 0.0000 | 0.0000 | 84.381 | 1.36344 | 0.00000 | 602892.1 | 267565.9 | 0.0 | S |
| 25.150 | 0.0000 | 0.0000 | 84.381 | 1.36260 | 0.00000 | 602892.1 | 267606.8 | 0.0 | S |
| 25.158 | 0.0000 | 0.0000 | 84.380 | 1.36176 | 0.00000 | 602892.1 | 267647.6 | 0.0 | S |
| 25.167 | 0.0000 | 0.0000 | 84.380 | 1.36093 | 0.00000 | 602892.1 | 267688.5 | 0.0 | S |
| 25.175 | 0.0000 | 0.0000 | 84.379 | 1.36009 | 0.00000 | 602892.1 | 267729.3 | 0.0 | S |
| 25.183 | 0.0000 | 0.0000 | 84.379 | 1.35926 | 0.00000 | 602892.1 | 267770.1 | 0.0 | S |
| 25.192 | 0.0000 | 0.0000 | 84.378 | 1.35843 | 0.00000 | 602892.1 | 267810.8 | 0.0 | S |
| 25.200 | 0.0000 | 0.0000 | 84.377 | 1.35760 | 0.00000 | 602892.1 | 267851.6 | 0.0 | S |
| 25.208 | 0.0000 | 0.0000 | 84.377 | 1.35677 | 0.00000 | 602892.1 | 267892.3 | 0.0 | S |
| 25.217 | 0.0000 | 0.0000 | 84.376 | 1.35594 | 0.00000 | 602892.1 | 267933.0 | 0.0 | S |
| 25.225 | 0.0000 | 0.0000 | 84.376 | 1.35512 | 0.00000 | 602892.1 | 267973.7 | 0.0 | S |
| 25.233 | 0.0000 | 0.0000 | 84.375 | 1.35429 | 0.00000 | 602892.1 | 268014.3 | 0.0 | S |
| 25.242 | 0.0000 | 0.0000 | 84.375 | 1.35347 | 0.00000 | 602892.1 | 268054.9 | 0.0 | S |
| 25.250 | 0.0000 | 0.0000 | 84.374 | 1.35265 | 0.00000 | 602892.1 | 268095.5 | 0.0 | S |
| 25.258 | 0.0000 | 0.0000 | 84.373 | 1.35183 | 0.00000 | 602892.1 | 268136.1 | 0.0 | S |
| 25.267 | 0.0000 | 0.0000 | 84.373 | 1.35101 | 0.00000 | 602892.1 | 268176.6 | 0.0 | S |
| 25.275 | 0.0000 | 0.0000 | 84.372 | 1.35019 | 0.00000 | 602892.1 | 268217.1 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Infow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infilitration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 25.283 | 0.0000 | 0.0000 | 84.372 | 1.34938 | 0.00000 | 602892.1 | 268257.6 | 0.0 | S |
| 25.292 | 0.0000 | 0.0000 | 84.371 | 1.34856 | 0.00000 | 602892.1 | 268298.1 | 0.0 | S |
| 25.300 | 0.0000 | 0.0000 | 84.371 | 1.34775 | 0.00000 | 602892.1 | 268338.5 | 0.0 | S |
| 25.308 | 0.0000 | 0.0000 | 84.370 | 1.34694 | 0.00000 | 602892.1 | 268379.0 | 0.0 | S |
| 25.317 | 0.0000 | 0.0000 | 84.370 | 1.34613 | 0.00000 | 602892.1 | 268419.3 | 0.0 | S |
| 25.325 | 0.0000 | 0.0000 | 84.369 | 1.34532 | 0.00000 | 602892.1 | 268459.7 | 0.0 | S |
| 25.333 | 0.0000 | 0.0000 | 84.368 | 1.34451 | 0.00000 | 602892.1 | 268500.1 | 0.0 | S |
| 25.342 | 0.0000 | 0.0000 | 84.368 | 1.34371 | 0.00000 | 602892.1 | 268540.4 | 0.0 | S |
| 25.350 | 0.0000 | 0.0000 | 84.367 | 1.34290 | 0.00000 | 602892.1 | 268580.7 | 0.0 | S |
| 25.358 | 0.0000 | 0.0000 | 84.367 | 1.34210 | 0.00000 | 602892.1 | 268621.0 | 0.0 | S |
| 25.367 | 0.0000 | 0.0000 | 84.366 | 1.34129 | 0.00000 | 602892.1 | 268661.2 | 0.0 | S |
| 25.375 | 0.0000 | 0.0000 | 84.366 | 1.34049 | 0.00000 | 602892.1 | 268701.4 | 0.0 | S |
| 25.383 | 0.0000 | 0.0000 | 84.365 | 1.33969 | 0.00000 | 602892.1 | 268741.7 | 0.0 | S |
| 25.392 | 0.0000 | 0.0000 | 84.365 | 1.33890 | 0.00000 | 602892.1 | 268781.8 | 0.0 | S |
| 25.400 | 0.0000 | 0.0000 | 84.364 | 1.33810 | 0.00000 | 602892.1 | 268822.0 | 0.0 | S |
| 25.408 | 0.0000 | 0.0000 | 84.363 | 1.33730 | 0.00000 | 602892.1 | 268862.1 | 0.0 | S |
| 25.417 | 0.0000 | 0.0000 | 84.363 | 1.33651 | 0.00000 | 602892.1 | 268902.2 | 0.0 | S |
| 25.425 | 0.0000 | 0.0000 | 84.362 | 1.33571 | 0.00000 | 602892.1 | 268942.3 | 0.0 | S |
| 25.433 | 0.0000 | 0.0000 | 84.362 | 1.33492 | 0.00000 | 602892.1 | 268982.4 | 0.0 | S |
| 25.442 | 0.0000 | 0.0000 | 84.361 | 1.33413 | 0.00000 | 602892.1 | 269022.4 | 0.0 | S |
| 25.450 | 0.0000 | 0.0000 | 84.361 | 1.33334 | 0.00000 | 602892.1 | 269062.4 | 0.0 | S |
| 25.458 | 0.0000 | 0.0000 | 84.360 | 1.33255 | 0.00000 | 602892.1 | 269102.4 | 0.0 | S |
| 25.467 | 0.0000 | 0.0000 | 84.360 | 1.33177 | 0.00000 | 602892.1 | 269142.4 | 0.0 | S |
| 25.475 | 0.0000 | 0.0000 | 84.359 | 1.33098 | 0.00000 | 602892.1 | 269182.3 | 0.0 | S |
| 25.483 | 0.0000 | 0.0000 | 84.358 | 1.33020 | 0.00000 | 602892.1 | 269222.2 | 0.0 | S |
| 25.492 | 0.0000 | 0.0000 | 84.358 | 1.32941 | 0.00000 | 602892.1 | 269262.1 | 0.0 | S |
| 25.500 | 0.0000 | 0.0000 | 84.357 | 1.32863 | 0.00000 | 602892.1 | 269302.0 | 0.0 | S |
| 25.508 | 0.0000 | 0.0000 | 84.357 | 1.32785 | 0.00000 | 602892.1 | 269341.8 | 0.0 | S |
| 25.517 | 0.0000 | 0.0000 | 84.356 | 1.32707 | 0.00000 | 602892.1 | 269381.7 | 0.0 | S |
| 25.525 | 0.0000 | 0.0000 | 84.356 | 1.32629 | 0.00000 | 602892.1 | 269421.5 | 0.0 | S |
| 25.533 | 0.0000 | 0.0000 | 84.355 | 1.32552 | 0.00000 | 602892.1 | 269461.3 | 0.0 | S |
| 25.542 | 0.0000 | 0.0000 | 84.355 | 1.32474 | 0.00000 | 602892.1 | 269501.0 | 0.0 | S |
| 25.550 | 0.0000 | 0.0000 | 84.354 | 1.32397 | 0.00000 | 602892.1 | 269540.7 | 0.0 | S |
| 25.558 | 0.0000 | 0.0000 | 84.353 | 1.32319 | 0.00000 | 602892.1 | 269580.4 | 0.0 | S |
| 25.567 | 0.0000 | 0.0000 | 84.353 | 1.32242 | 0.00000 | 602892.1 | 269620.1 | 0.0 | S |
| 25.575 | 0.0000 | 0.0000 | 84.352 | 1.32165 | 0.00000 | 602892.1 | 269659.8 | 0.0 | S |
| 25.583 | 0.0000 | 0.0000 | 84.352 | 1.32088 | 0.00000 | 602892.1 | 269699.4 | 0.0 | S |
| 25.592 | 0.0000 | 0.0000 | 84.351 | 1.32011 | 0.00000 | 602892.1 | 269739.0 | 0.0 | S |
| 25.600 | 0.0000 | 0.0000 | 84.351 | 1.31934 | 0.00000 | 602892.1 | 269778.6 | 0.0 | S |
| 25.608 | 0.0000 | 0.0000 | 84.350 | 1.31858 | 0.00000 | 602892.1 | 269818.2 | 0.0 | S |
| 25.617 | 0.0000 | 0.0000 | 84.350 | 1.31781 | 0.00000 | 602892.1 | 269857.8 | 0.0 | S |
| 25.625 | 0.0000 | 0.0000 | 84.349 | 1.31705 | 0.00000 | 602892.1 | 269897.3 | 0.0 | S |
| 25.633 | 0.0000 | 0.0000 | 84.348 | 1.37629 | 0.00000 | 602892.1 | 269936.8 | 0.0 | S |
| 25.642 | 0.0000 | 0.0000 | 84.348 | 1.31553 | 0.00000 | 602892.1 | 269976.3 | 0.0 | S |
| 25.650 | 0.0000 | 0.0000 | 84.347 | 1.31476 | 0.00000 | 602892.1 | 270015.7 | 0.0 | S |
| 25.658 | 0.0000 | 0.0000 | 84.347 | 1.31401 | 0.00000 | 602892.1 | 270055.1 | 0.0 | S |
| 25.667 | 0.0000 | 0.0000 | 84.346 | 1.31325 | 0.00000 | 602892.1 | 270094.5 | 0.0 | S |
| 25.675 | 0.0000 | 0.0000 | 84.346 | 1.31249 | 0.00000 | 602892.1 | 270133.9 | 0.0 | S |
| 25.683 | 0.0000 | 0.0000 | 84.345 | 1.31174 | 0.00000 | 602892.1 | 270173.3 | 0.0 | S |
| 25.692 | 0.0000 | 0.0000 | 84.345 | 1.31098 | 0.00000 | 602892.1 | 270212.6 | 0.0 | S |
| 25.700 | 0.0000 | 0.0000 | 84.344 | 1.31023 | 0.00000 | 602892.1 | 270251.9 | 0.0 | S |
| 25.708 | 0.0000 | 0.0000 | 84.344 | 1.30948 | 0.00000 | 602892.1 | 270291.3 | 0.0 | S |
| 25.717 | 0.0000 | 0.0000 | 84.343 | 1.30873 | 0.00000 | 602892.1 | 270330.5 | 0.0 | S |
| 25.725 | 0.0000 | 0.0000 | 84.342 | 1.30798 | 0.00000 | 602892.1 | 270369.8 | 0.0 | S |
| 25.733 | 0.0000 | 0.0000 | 84.342 | 1.30723 | 0.00000 | 602892.1 | 270409.0 | 0.0 | S |
| 25.742 | 0.0000 | 0.0000 | 84.341 | 1.30648 | 0.00000 | 602892.1 | 270448.2 | 0.0 | S |
| 25.750 | 0.0000 | 0.0000 | 84.341 | 1.30573 | 0.00000 | 602892.1 | 270487.4 | 0.0 | S |
| 25.758 | 0.0000 | 0.0000 | 84.340 | 1.30499 | 0.00000 | 602892.1 | 270526.5 | 0.0 | S |
| 25.767 | 0.0000 | 0.0000 | 84.340 | 1.30424 | 0.00000 | 602892.1 | 270565.7 | 0.0 | S |
| 25.775 | 0.0000 | 0.0000 | 84.339 | 1.30350 | 0.00000 | 602892.1 | 270604.8 | 0.0 | S |
| 25.783 | 0.0000 | 0.0000 | 84.339 | 1.30276 | 0.00000 | 602892.1 | 270643.9 | 0.0 | S |
| 25.792 | 0.0000 | 0.0000 | 84.338 | 1.30202 | 0.00000 | 602892.1 | 270683.0 | 0.0 | S |
| 25.800 | 0.0000 | 0.0000 | 84.338 | 1.30128 | 0.00000 | 602892.1 | 270722.0 | 0.0 | S |
| 25.808 | 0.0000 | 0.0000 | 84.337 | 1.30054 | 0.00000 | 602892.1 | 270761.0 | 0.0 | S |
| 25.817 | 0.0000 | 0.0000 | 84.336 | 1.29980 | 0.00000 | 602892.1 | 270800.0 | 0.0 | S |
| 25.825 | 0.0000 | 0.0000 | 84.336 | 1.29907 | 0.00000 | 602892.1 | 270839.0 | 0.0 | S |
| 25.833 | 0.0000 | 0.0000 | 84.335 | 1.29833 | 0.00000 | 602892.1 | 270878.0 | 0.0 | S |
| 25.842 | 0.0000 | 0.0000 | 84.335 | 1.29760 | 0.00000 | 602892.1 | 270916.9 | 0.0 | S |
| 25.850 | 0.0000 | 0.0000 | 84.334 | 1.29687 | 0.00000 | 602892.1 | 270955.8 | 0.0 | S |
| 25.858 | 0.0000 | 0.0000 | 84.334 | 1.29613 | 0.00000 | 602892.1 | 270994.7 | 0.0 | S |
| 25.867 | 0.0000 | 0.0000 | 84.333 | 1.29540 | 0.00000 | 602892.1 | 271033.6 | 0.0 | S |
| 25.875 | 0.0000 | 0.0000 | 84.333 | 1.29467 | 0.00000 | 602892.1 | 271072.5 | 0.0 | S |
| 25.883 | 0.0000 | 0.0000 | 84.332 | 1.29395 | 0.00000 | 602892.1 | 271111.3 | 0.0 | S |
| 25.892 | 0.0000 | 0.0000 | 84.332 | 1.29322 | 0.00000 | 602892.1 | 271150.1 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate (fis/s) | Outside Recharge (ftday) | Stage Elevation (ft daturn) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 25.900 | 0.0000 | 0.0000 | 84.331 | 1.29249 | 0.00000 | 602892.1 | 271188.9 | 0.0 | S |
| 25.908 | 0.0000 | 0.0000 | 84.331 | 1.29177 | 0.00000 | 602892.1 | 271227.7 | 0.0 | S |
| 25.917 | 0.0000 | 0.0000 | 84.330 | 1.29104 | 0.00000 | 602892.1 | 271266.4 | 0.0 | S |
| 25.925 | 0.0000 | 0.0000 | 84.329 | 1.29032 | 0.00000 | 602892.1 | 271305.1 | 0.0 | S |
| 25.933 | 0.0000 | 0.0000 | 84.329 | 1.28960 | 0.00000 | 602892.1 | 271343.8 | 0.0 | S |
| 25.942 | 0.0000 | 0.0000 | 84.328 | 1.28888 | 0.00000 | 602892.1 | 271382.5 | 0.0 | S |
| 25.950 | 0.0000 | 0.0000 | 84.328 | 1.28816 | 0.00000 | 602892.1 | 271421.1 | 0.0 | S |
| 25.958 | 0.0000 | 0.0000 | 84.327 | 1.28744 | 0.00000 | 602892.1 | 271459.8 | 0.0 | S |
| 25.967 | 0.0000 | 0.0000 | 84.327 | 1.28672 | 0.00000 | 602892.1 | 271498.4 | 0.0 | S |
| 25.975 | 0.0000 | 0.0000 | 84.326 | 1.28600 | 0.00000 | 602892.1 | 271537.0 | 0.0 | S |
| 25.983 | 0.0000 | 0.0000 | 84.326 | 1.28529 | 0.00000 | 602892.1 | 271575.5 | 0.0 | S |
| 25.992 | 0.0000 | 0.0000 | 84.325 | 1.28457 | 0.00000 | 602892.1 | 271614.1 | 0.0 | S |
| 26.000 | 0.0000 | 0.0000 | 84.325 | 1.28386 | 0.00000 | 602892.1 | 271652.6 | 0.0 | S |
| 26.008 | 0.0000 | 0.0000 | 84.324 | 1.28315 | 0.00000 | 602892.1 | 271691.1 | 0.0 | S |
| 26.017 | 0.0000 | 0.0000 | 84.324 | 1.28243 | 0.00000 | 602892.1 | 271729.6 | 0.0 | S |
| 26.025 | 0.0000 | 0.0000 | 84.323 | 1.28172 | 0.00000 | 602892.1 | 271768.1 | 0.0 | S |
| 26.033 | 0.0000 | 0.0000 | 84.322 | 1.28101 | 0.00000 | 602892.1 | 271806.5 | 0.0 | S |
| 26.042 | 0.0000 | 0.0000 | 84.322 | 1.28031 | 0.00000 | 602892.1 | 271844.9 | 0.0 | S |
| 26.050 | 0.0000 | 0.0000 | 84.321 | 1.27960 | 0.00000 | 602892.1 | 271883.3 | 0.0 | S |
| 26.058 | 0.0000 | 0.0000 | 84.321 | 1.27889 | 0.00000 | 602892.1 | 271921.7 | 0.0 | S |
| 26.067 | 0.0000 | 0.0000 | 84.320 | 1.27819 | 0.00000 | 602892.1 | 271960.1 | 0.0 | S |
| 26.075 | 0.0000 | 0.0000 | 84.320 | 1.27748 | 0.00000 | 602892.1 | 271998.4 | 0.0 | S |
| 26.083 | 0.0000 | 0.0000 | 84.319 | 1.27678 | 0.00000 | 602892.1 | 272036.7 | 0.0 | S |
| 26.092 | 0.0000 | 0.0000 | 84.319 | 1.27608 | 0.00000 | 602892.1 | 272075.0 | 0.0 | S |
| 26.100 | 0.0000 | 0.0000 | 84.318 | 1.27538 | 0.00000 | 602892.1 | 272113.3 | 0.0 | S |
| 26.108 | 0.0000 | 0.0000 | 84.318 | 1.27468 | 0.00000 | 602892.1 | 272151.5 | 0.0 | S |
| 26.117 | 0.0000 | 0.0000 | 84.317 | 1.27398 | 0.00000 | 602892.1 | 272189.8 | 0.0 | S |
| 26.125 | 0.0000 | 0.0000 | 84.317 | $\uparrow .27328$ | 0.00000 | 602892.1 | 272228.0 | 0.0 | S |
| 26.133 | 0.0000 | 0.0000 | 84.316 | 1.27258 | 0.00000 | 602892.1 | 272266.2 | 0.0 | S |
| 26.142 | 0.0000 | 0.0000 | 84.316 | 1.27188 | 0.00000 | 602892.1 | 272304.3 | 0.0 | S |
| 26.150 | 0.0000 | 0.0000 | 84.315 | 1.27119 | 0.00000 | 602892.1 | 272342.5 | 0.0 | S |
| 26.158 | 0.0000 | 0.0000 | 84.314 | 1.27049 | 0.00000 | 602892.1 | 272380.6 | 0.0 | S |
| 26.167 | 0.0000 | 0.0000 | 84.314 | 1.26980 | 0.00000 | 602892.1 | 272418.7 | 0.0 | S |
| 26.175 | 0.0000 | 0,0000 | 84.313 | 1.26911 | 0.00000 | 602892.1 | 272456.8 | 0.0 | S |
| 26.183 | 0.0000 | 0.0000 | 84.313 | 1.26842 | 0.00000 | 602892.1 | 272494.8 | 0.0 | S |
| 26.192 | 0.0000 | 0.0000 | 84.312 | 1.26773 | 0.00000 | 602892.1 | 272532.9 | 0.0 | S |
| 26.200 | 0.0000 | 0.0000 | 84.312 | 1.26704 | 0.00000 | 602892.1 | 272570.9 | 0.0 | S |
| 26.208 | 0.0000 | 0.0000 | 84.311 | 1.26635 | 0.00000 | 602892.1 | 272608.9 | 0.0 | S |
| 26.217 | 0.0000 | 0.0000 | 84.311 | $\uparrow .26566$ | 0.00000 | 602892.1 | 272646.9 | 0.0 | S |
| 26.225 | 0.0000 | 0.0000 | 84.310 | 1.26498 | 0.00000 | 602892.1 | 272684.8 | 0.0 | S |
| 26.233 | 0.0000 | 0.0000 | 84.310 | 1.26429 | 0.00000 | 602892.1 | 272722.8 | 0.0 | S |
| 26.242 | 0.0000 | 0.0000 | 84.309 | 1.26361 | 0.00000 | 602892.1 | 272760.7 | 0.0 | S |
| 26.250 | 0.0000 | 0.0000 | 84.309 | 1.26292 | 0.00000 | 602892.1 | 272798.6 | 0.0 | S |
| 26.258 | 0.0000 | 0.0000 | 84.308 | 1.26224 | 0.00000 | 602892.1 | 272836.5 | 0.0 | S |
| 26.267 | 0.0000 | 0.0000 | 84.308 | 1.26156 | 0.00000 | 602892.1 | 272874.3 | 0.0 | S |
| 26.275 | 0.0000 | 0.0000 | 84.307 | 1.26088 | 0.00000 | 602892.1 | 272912.2 | 0.0 | S |
| 26.283 | 0.0000 | 0.0000 | 84.307 | 1.26020 | 0.00000 | 602892.1 | 272950.0 | 0.0 | S |
| 26.292 | 0.0000 | 0.0000 | 84.306 | 1.25952 | 0.00000 | 602892.1 | 272987.8 | 0.0 | S |
| 26.300 | 0.0000 | 0.0000 | 84.306 | 1.25884 | 0.00000 | 602892.1 | 273025.6 | 0.0 | S |
| 26.308 | 0.0000 | 0.0000 | 84.305 | 1.25816 | 0.00000 | 602892.1 | 273063.3 | 0.0 | S |
| 26.317 | 0.0000 | 0.0000 | 84.304 | 1.25749 | 0.00000 | 602892.1 | 273101.1 | 0.0 | S |
| 26.325 | 0.0000 | 0.0000 | 84.304 | 1.25681 | 0.00000 | 602892.1 | 273138.8 | 0.0 | S |
| 26.333 | 0.0000 | 0.0000 | 84.303 | 1.25614 | 0.00000 | 602892.1 | 273176.5 | 0.0 | S |
| 26.342 | 0.0000 | 0.0000 | 84.303 | 1.25547 | 0.00000 | 602892.1 | 273214.1 | 0.0 | S |
| 26.350 | 0.0000 | 0.0000 | 84.302 | 1.25479 | 0.00000 | 602892.1 | 273251.8 | 0.0 | S |
| 26.358 | 0.0000 | 0.0000 | 84.302 | 1.25412 | 0.00000 | 602892.1 | 273289.4 | 0.0 | S |
| 26.367 | 0.0000 | 0.0000 | 84.301 | 1.25345 | 0.00000 | 602892.1 | 273327.0 | 0.0 | S |
| 26.375 | 0.0000 | 0.0000 | 84.301 | 1.25278 | 0.00000 | 602892.1 | 273364.6 | 0.0 | S |
| 26.383 | 0.0000 | 0.0000 | 84.300 | 1.25212 | 0.00000 | 602892.1 | 273402.2 | 0.0 | S |
| 26.392 | 0.0000 | 0.0000 | 84.300 | 1.25145 | 0.00000 | 602892.1 | 273439.8 | 0.0 | S |
| 26.400 | 0.0000 | 0.0000 | 84.299 | 1.25078 | 0.00000 | 602892.1 | 273477.3 | 0.0 | S |
| 26.408 | 0.0000 | 0.0000 | 84.299 | 1.25012 | 0.00000 | 602892.1 | 273514.8 | 0.0 | S |
| 26.417 | 0.0000 | 0.0000 | 84.298 | 1.24945 | 0.00000 | 602892.1 | 273552.3 | 0.0 | S |
| 26.425 | 0.0000 | 0.0000 | 84.298 | 1.24879 | 0.00000 | 602892.1 | 273589.8 | 0.0 | S |
| 26.433 | 0.0000 | 0.0000 | 84.297 | 1.24812 | 0.00000 | 602892.1 | 273627.2 | 0.0 | S |
| 26.442 | 0.0000 | 0.0000 | 84.297 | 1.24746 | 0.00000 | 602892.1 | 273664.7 | 0.0 | S |
| 26.450 | 0.0000 | 0.0000 | 84.296 | 1.24680 | 0.00000 | 602892.1 | 273702.1 | 0.0 | S |
| 26.458 | 0.0000 | 0.0000 | 84.296 | 1.24614 | 0.00000 | 602892.1 | 273739.5 | 0.0 | S |
| 26.467 | 0.0000 | 0.0000 | 84.295 | 1.24548 | 0.00000 | 602892.1 | 273776.8 | 0.0 | S |
| 26.475 | 0.0000 | 0.0000 | 84.295 | 1.24482 | 0.00000 | 602892.1 | 273814.2 | 0.0 | S |
| 26.483 | 0.0000 | 0.0000 | 84.294 | $\uparrow .24417$ | 0.00000 | 602892.1 | 273851.5 | 0.0 | S |
| 26.492 | 0.0000 | 0.0000 | 84.293 | 1.24351 | 0.00000 | 602892.1 | 273888.8 | 0.0 | S |
| 26.500 | 0.0000 | 0.0000 | 84.293 | 1.24285 | 0.00000 | 602892.1 | 273926.1 | 0.0 | S |
| 26.508 | 0.0000 | 0.0000 | 84.292 | 1.24220 | 0.00000 | 602892.1 | 273963.4 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year/24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 /} \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 26.517 | 0.0000 | 0.0000 | 84.292 | 1.24155 | 0.00000 | 602892.1 | 274000.7 | 0.0 | S |
| 26.525 | 0.0000 | 0.0000 | 84.291 | 1.24089 | 0.00000 | 602892.1 | 274037.9 | 0.0 | S |
| 26.533 | 0.0000 | 0.0000 | 84.291 | 1.24024 | 0.00000 | 602892.1 | 274075.1 | 0.0 | S |
| 26.542 | 0.0000 | 0.0000 | 84.290 | 1.23959 | 0.00000 | 602892.1 | 274112.3 | 0.0 | S |
| 26.550 | 0.0000 | 0.0000 | 84.290 | 1.23894 | 0.00000 | 602892.1 | 274149.5 | 0.0 | S |
| 26.558 | 0.0000 | 0.0000 | 84.289 | 1.23829 | 0.00000 | 602892.1 | 274186.7 | 0.0 | S |
| 26.567 | 0.0000 | 0.0000 | 84.289 | 1.23764 | 0.00000 | 602892.1 | 274223.8 | 0.0 | S |
| 26.575 | 0.0000 | 0.0000 | 84.288 | 1.23699 | 0.00000 | 602892.1 | 274260.9 | 0.0 | S |
| 26.583 | 0.0000 | 0.0000 | 84.288 | 1.23635 | 0.00000 | 602892.1 | 274298.0 | 0.0 | S |
| 26.592 | 0.0000 | 0.0000 | 84.287 | 1.23570 | 0.00000 | 602892.1 | 274335.1 | 0.0 | S |
| 26.600 | 0.0000 | 0.0000 | 84.287 | 1.23506 | 0.00000 | 602892.1 | 274372.2 | 0.0 | S |
| 26.608 | 0.0000 | 0.0000 | 84.286 | 1.23441 | 0.00000 | 602892.1 | 274409.2 | 0.0 | S |
| 26.617 | 0.0000 | 0.0000 | 84.286 | 1.23377 | 0.00000 | 602892.1 | 274446.2 | 0.0 | S |
| 26.625 | 0.0000 | 0.0000 | 84.285 | \{. 23313 | 0.00000 | 602892.1 | 274483.2 | 0.0 | S |
| 26.633 | 0.0000 | 0.0000 | 84.285 | \$. 23248 | 0.00000 | 602892.1 | 274520.2 | 0.0 | S |
| 26.642 | 0.0000 | 0.0000 | 84.284 | 1.23184 | 0.00000 | 602892.1 | 274557.2 | 0.0 | S |
| 26.650 | 0.0000 | 0.0000 | 84.284 | 1.23120 | 0.00000 | 602892.1 | 274594.1 | 0.0 | S |
| 26.658 | 0.0000 | 0.0000 | 84.283 | 1.23056 | 0.00000 | 602892.1 | 274631.0 | 0.0 | S |
| 26.667 | 0.0000 | 0.0000 | 84.283 | 1.22993 | 0.00000 | 602892.1 | 274668.0 | 0.0 | S |
| 26.675 | 0.0000 | 0.0000 | 84.282 | 1.22929 | 0.00000 | 602892.1 | 274704.8 | 0.0 | S |
| 26.683 | 0.0000 | 0.0000 | 84.282 | 1.22865 | 0.00000 | 602892.1 | 274741.7 | 0.0 | S |
| 26.692 | 0.0000 | 0.0000 | 84.281 | 1.22802 | 0.00000 | 602892.1 | 274778.6 | 0.0 | S |
| 26.700 | 0.0000 | 0.0000 | 84.281 | 1.22738 | 0.00000 | 602892.1 | 274815.4 | 0.0 | S |
| 26.708 | 0.0000 | 0.0000 | 84.280 | 1.22675 | 0.00000 | 602892.1 | 274852.2 | 0.0 | S |
| 26.717 | 0.0000 | 0.0000 | 84.280 | 1.22612 | 0.00000 | 602892.1 | 274889.0 | 0.0 | S |
| 26.725 | 0.0000 | 0.0000 | 84.279 | 1.22548 | 0.00000 | 602892.1 | 274925.8 | 0.0 | S |
| 26.733 | 0.0000 | 0.0000 | 84.278 | 1.22485 | 0.00000 | 602892.1 | 274962.5 | 0.0 | S |
| 26.742 | 0.0000 | 0.0000 | 84.278 | 1.22422 | 0.00000 | 602892.1 | 274999.3 | 0.0 | S |
| 26.750 | 0.0000 | 0.0000 | 84.277 | 1.22359 | 0.00000 | 602892.1 | 275036.0 | 0.0 | S |
| 26.758 | 0.0000 | 0.0000 | 84.277 | 1.22296 | 0.00000 | 602892.1 | 275072.7 | 0.0 | S |
| 26.767 | 0.0000 | 0.0000 | 84.276 | 1.22233 | 0.00000 | 602892.1 | 275109.3 | 0.0 | S |
| 26.775 | 0.0000 | 0.0000 | 84.276 | 1.22171 | 0.00000 | 602892.1 | 275146.0 | 0.0 | S |
| 26.783 | 0.0000 | 0.0000 | 84.275 | 1.22108 | 0.00000 | 602892.1 | 275182.7 | 0.0 | S |
| 26.792 | 0.0000 | 0.0000 | 84.275 | 1.22046 | 0.00000 | 602892.4 | 275219.3 | 0.0 | S |
| 26.800 | 0.0000 | 0.0000 | 84.274 | 1.21983 | 0.00000 | 602892.4 | 275255.9 | 0.0 | S |
| 26.808 | 0.0000 | 0.0000 | 84.274 | 1.21921 | 0.00000 | 602892.1 | 275292.5 | 0.0 | S |
| 26.817 | 0.0000 | 0.0000 | 84.273 | 1.21858 | 0.00000 | 602892.1 | 275329.0 | 0.0 | S |
| 26.825 | 0.0000 | 0.0000 | 84.273 | 1.21796 | 0.00000 | 602892.1 | 275365.6 | 0.0 | S |
| 26.833 | 0.0000 | 0.0000 | 84.272 | 1.21734 | 0.00000 | 602892.1 | 275402.1 | 0.0 | S |
| 26.842 | 0.0000 | 0.0000 | 84.272 | 1.21672 | 0.00000 | 602892.1 | 275438.6 | 0.0 | S |
| 26.850 | 0.0000 | 0.0000 | 84.271 | 1.21610 | 0.00000 | 602892.1 | 275475.1 | 0.0 | S |
| 26.858 | 0.0000 | 0.0000 | 84.271 | 1.21548 | 0.00000 | 602892.1 | 275511.6 | 0.0 | S |
| 26.867 | 0.0000 | 0.0000 | 84.270 | 1.21486 | 0.00000 | 602892.1 | 275548.1 | 0.0 | S |
| 26.875 | 0.0000 | 0.0000 | 84.270 | 1.21424 | 0.00000 | 602892.1 | 275584.5 | 0.0 | S |
| 26.883 | 0.0000 | 0.0000 | 84.269 | 1.21363 | 0.00000 | 602892.1 | 275620.9 | 0.0 | S |
| 26.892 | 0.0000 | 0.0000 | 84.269 | $\uparrow .21301$ | 0.00000 | 602892.1 | 275657.3 | 0.0 | S |
| 26.900 | 0.0000 | 0.0000 | 84.268 | 1.21240 | 0.00000 | 602892.1 | 275693.7 | 0.0 | S |
| 26.908 | 0.0000 | 0.0000 | 84.268 | 1.21178 | 0.00000 | 602892.1 | 275730.0 | 0.0 | S |
| 26.917 | 0.0000 | 0.0000 | 84.267 | 1.21117 | 0.00000 | 602892.1 | 275766.4 | 0.0 | S |
| 26.925 | 0.0000 | 0.0000 | 84.267 | 1.21056 | 0.00000 | 602892.1 | 275802.7 | 0.0 | S |
| 26.933 | 0.0000 | 0.0000 | 84.266 | 1.20995 | 0.00000 | 602892.1 | 275839.0 | 0.0 | S |
| 26.942 | 0.0000 | 0.0000 | 84.266 | 1.20933 | 0.00000 | 602892.1 | 275875.3 | 0.0 | S |
| 26.950 | 0.0000 | 0.0000 | 84.265 | 1.20872 | 0.00000 | 602892.1 | 275911.6 | 0.0 | S |
| 26.958 | 0.0000 | 0.0000 | 84.265 | 1.20811 | 0.00000 | 602892.1 | 275947.8 | 0.0 | S |
| 26.967 | 0.0000 | 0.0000 | 84.264 | 1.20751 | 0.00000 | 602892.1 | 275984.1 | 0.0 | S |
| 26.975 | 0.0000 | 0.0000 | 84.264 | 1.20690 | 0.00000 | 602892.1 | 276020.3 | 0.0 | S |
| 26.983 | 0.0000 | 0.0000 | 84.263 | 1.20629 | 0.00000 | 602892.1 | 276056.5 | 0.0 | S |
| 26.992 | 0.0000 | 0.0000 | 84.263 | 1.20568 | 0.00000 | 602892.1 | 276092.7 | 0.0 | S |
| 27.000 | 0.0000 | 0.0000 | 84.262 | 1.20508 | 0.00000 | 602892.1 | 276128.8 | 0.0 | S |
| 27.008 | 0.0000 | 0.0000 | 84.262 | 1.20447 | 0.00000 | 602892.1 | 276165.0 | 0.0 | S |
| 27.017 | 0.0000 | 0.0000 | 84.261 | 1.20387 | 0.00000 | 602892.1 | 276201.1 | 0.0 | S |
| 27.025 | 0.0000 | 0.0000 | 84.261 | 1.20327 | 0.00000 | 602892.1 | 276237.2 | 0.0 | S |
| 27.033 | 0.0000 | 0.0000 | 84.260 | 1.20266 | 0.00000 | 602892.1 | 276273.3 | 0.0 | S |
| 27.042 | 0.0000 | 0.0000 | 84.260 | 1.20206 | 0.00000 | 602892.1 | 276309.4 | 0.0 | S |
| 27.050 | 0.0000 | 0.0000 | 84.259 | 1.20146 | 0.00000 | 602892.1 | 276345.4 | 0.0 | S |
| 27.058 | 0.0000 | 0.0000 | 84.259 | 1.20086 | 0.00000 | 602892.1 | 276381.4 | 0.0 | S |
| 27.067 | 0.0000 | 0.0000 | 84.258 | 1.20026 | 0.00000 | 602892.1 | 276417.5 | 0.0 | S |
| 27.075 | 0.0000 | 0.0000 | 84.258 | 1.19966 | 0.00000 | 602892.1 | 276453.5 | 0.0 | S |
| 27.083 | 0.0000 | 0.0000 | 84.257 | 1.19907 | 0.00000 | 602892.1 | 276489.4 | 0.0 | S |
| 27.092 | 0.0000 | 0.0000 | 84.257 | 1.19847 | 0.00000 | 602892.1 | 276525.4 | 0.0 | S |
| 27.100 | 0.0000 | 0.0000 | 84.256 | 1.19787 | 0.00000 | 602892.1 | 276561.3 | 0.0 | S |
| 27.108 | 0.0000 | 0.0000 | 84.256 | 1.19728 | 0.00000 | 602892.1 | 276597.3 | 0.0 | S |
| 27.117 | 0.0000 | 0.0000 | 84.255 | 1.19668 | 0.00000 | 602892.1 | 276633.2 | 0.0 | S |
| 27.125 | 0.0000 | 0.0000 | 84.255 | 1.19609 | 0.00000 | 602892.1 | 276669.1 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Rechatge (fiday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{2}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 27.133 | 0.0000 | 0.0000 | 84.254 | 1.19550 | 0.00000 | 602892.1 | 276705.0 | 0.0 | S |
| 27.142 | 0.0000 | 0.0000 | 84.254 | 1.19490 | 0.00000 | 602892.1 | 276740.8 | 0.0 | S |
| 27.150 | 0.0000 | 0.0000 | 84.253 | 1.19431 | 0.00000 | 602892.1 | 276776.7 | 0.0 | S |
| 27.158 | 0.0000 | 0.0000 | 84.253 | 1.19372 | 0.00000 | 602892.1 | 276812.5 | 0.0 | S |
| 27.167 | 0.0000 | 0.0000 | 84.252 | 1.19313 | 0.00000 | 602892.1 | 276848.3 | 0.0 | S |
| 27.175 | 0.0000 | 0.0000 | 84.252 | 1.19254 | 0.00000 | 602892.1 | 276884.1 | 0.0 | S |
| 27.183 | 0.0000 | 0.0000 | 84.251 | 1.19195 | 0.00000 | 602892.1 | 276919.8 | 0.0 | S |
| 27.192 | 0.0000 | 0.0000 | 84.251 | 1.19136 | 0.00000 | 602892.1 | 276955.6 | 0.0 | S |
| 27.200 | 0.0000 | 0.0000 | 84.250 | 1.19078 | 0.00000 | 602892.1 | 276991.3 | 0.0 | S |
| 27.208 | 0.0000 | 0.0000 | 84.250 | 1.19019 | 0.00000 | 602892.7 | 277027.0 | 0.0 | S |
| 27.217 | 0.0000 | 0.0000 | 84.249 | 1.18960 | 0.00000 | 602892.1 | 277062.7 | 0.0 | S |
| 27.225 | 0.0000 | 0.0000 | 84.249 | 1.18902 | 0.00000 | 602892.1 | 277098.4 | 0.0 | S |
| 27.233 | 0.0000 | 0.0000 | 84.248 | 1.18843 | 0.00000 | 602892.1 | 277134.1 | 0.0 | S |
| 27.242 | 0.0000 | 0.0000 | 84.248 | 1.18785 | 0.00000 | 602892.1 | 277169.7 | 0.0 | S |
| 27.250 | 0.0000 | 0.0000 | 84.247 | 1.18727 | 0.00000 | 602892.1 | 277205.3 | 0.0 | S |
| 27.258 | 0.0000 | 0.0000 | 84.247 | 1.18669 | 0.00000 | 602892.1 | 277240.9 | 0.0 | S |
| 27.267 | 0.0000 | 0.0000 | 84.246 | 1.18610 | 0.00000 | 602892.1 | 277276.5 | 0.0 | S |
| 27.275 | 0.0000 | 0.0000 | 84.246 | 1.18552 | 0.00000 | 602892.1 | 277312.1 | 0.0 | S |
| 27.283 | 0.0000 | 0.0000 | 84.245 | 1.18494 | 0.00000 | 602892.1 | 277347.7 | 0.0 | S |
| 27.292 | 0.0000 | 0.0000 | 84.245 | 1.18436 | 0.00000 | 602892.1 | 277383.2 | 0.0 | S |
| 27.300 | 0.0000 | 0.0000 | 84.244 | 1.18379 | 0.00000 | 602892.1 | 277418.7 | 0.0 | S |
| 27.308 | 0.0000 | 0.0000 | 84.244 | 1.18321 | 0.00000 | 602892.1 | 277454.2 | 0.0 | S |
| 27.317 | 0.0000 | 0.0000 | 84.243 | 1.18263 | 0.00000 | 602892.1 | 277489.7 | 0.0 | S |
| 27.325 | 0.0000 | 0.0000 | 84.243 | 1.18205 | 0.00000 | 602892.1 | 277525.2 | 0.0 | S |
| 27.333 | 0.0000 | 0.0000 | 84.242 | 1.18148 | 0.00000 | 602892.1 | 277560.7 | 0.0 | S |
| 27.342 | 0.0000 | 0.0000 | 84.242 | 1.18090 | 0.00000 | 602892.1 | 277596.1 | 0.0 | S |
| 27.350 | 0.0000 | 0.0000 | 84.241 | 1.18033 | 0.00000 | 602892.1 | 277631.5 | 0.0 | S |
| 27.358 | 0.0000 | 0.0000 | 84.241 | 1.17976 | 0.00000 | 602892.1 | 277666.9 | 0.0 | S |
| 27.367 | 0.0000 | 0.0000 | 84.240 | 1.17918 | 0.00000 | 602892.1 | 277702.3 | 0.0 | S |
| 27.375 | 0.0000 | 0.0000 | 84.240 | 1.17861 | 0.00000 | 602892.1 | 277737.7 | 0.0 | S |
| 27.383 | 0.0000 | 0.0000 | 84.239 | 1.17804 | 0.00000 | 602892.1 | 277773.0 | 0.0 | S |
| 27.392 | 0.0000 | 0.0000 | 84.239 | 1.17747 | 0.00000 | 602892.1 | 277808.3 | 0.0 | S |
| 27.400 | 0.0000 | 0.0000 | 84.238 | 1.17690 | 0.00000 | 602892.1 | 277843.7 | 0.0 | S |
| 27.408 | 0.0000 | 0.0000 | 84.238 | 1.17633 | 0.00000 | 602892.1 | 277878.9 | 0.0 | S |
| 27.417 | 0.0000 | 0.0000 | 84.237 | 1.17576 | 0.00000 | 602892.1 | 277914.2 | 0.0 | S |
| 27.425 | 0.0000 | 0.0000 | 84.237 | 1.17519 | 0.00000 | 602892.1 | 277949.5 | 0.0 | S |
| 27.433 | 0.0000 | 0.0000 | 84.236 | 1.17462 | 0.00000 | 602892.1 | 277984.8 | 0.0 | S |
| 27.442 | 0.0000 | 0.0000 | 84.236 | 1.17406 | 0.00000 | 602892.1 | 278020.0 | 0.0 | S |
| 27.450 | 0.0000 | 0.0000 | 84.235 | 1.17349 | 0.00000 | 602892.1 | 278055.2 | 0.0 | S |
| 27.458 | 0.0000 | 0.0000 | 84.235 | 1.17293 | 0.00000 | 602892.1 | 278090.4 | 0.0 | S |
| 27.467 | 0.0000 | 0.0000 | 84.234 | 1.17236 | 0.00000 | 602892.1 | 278125.6 | 0.0 | S |
| 27.475 | 0.0000 | 0.0000 | 84.234 | 1.17180 | 0.00000 | 602892.1 | 278160.7 | 0.0 | S |
| 27.483 | 0.0000 | 0.0000 | 84.233 | 1.17124 | 0.00000 | 602892.1 | 278195.9 | 0.0 | S |
| 27.492 | 0.0000 | 0.0000 | 84.233 | 1.17067 | 0.00000 | 602892.1 | 278231.0 | 0.0 | S |
| 27.500 | 0.0000 | 0.0000 | 84.232 | 1.17011 | 0.00000 | 602892.1 | 278266.1 | 0.0 | S |
| 27.508 | 0.0000 | 0.0000 | 84.232 | 1.16955 | 0.00000 | 602892.1 | 278301.2 | 0.0 | S |
| 27.517 | 0.0000 | 0.0000 | 84.231 | 1.16899 | 0.00000 | 602892.1 | 278336.3 | 0.0 | S |
| 27.525 | 0.0000 | 0.0000 | 84.231 | 1.16843 | 0.00000 | 602892.1 | 278371.3 | 0.0 | S |
| 27.533 | 0.0000 | 0.0000 | 84.230 | 1.16787 | 0.00000 | 602892.1 | 278406.4 | 0.0 | S |
| 27.542 | 0.0000 | 0.0000 | 84.230 | 1.16731 | 0.00000 | 602892.1 | 278441.4 | 0.0 | S |
| 27.550 | 0.0000 | 0.0000 | 84.229 | 1.16676 | 0.00000 | 602892.1 | 278476.4 | 0.0 | S |
| 27.558 | 0.0000 | 0.0000 | 84.229 | 1.16620 | 0.00000 | 602892.1 | 278511.4 | 0.0 | S |
| 27.567 | 0.0000 | 0.0000 | 84.228 | 1.16564 | 0.00000 | 602892.1 | 278546.4 | 0.0 | S |
| 27.575 | 0.0000 | 0.0000 | 84.228 | 1.16509 | 0.00000 | 602892.1 | 278581.3 | 0.0 | S |
| 27.583 | 0.0000 | 0.0000 | 84.227 | 1.16453 | 0.00000 | 602892.1 | 278616.3 | 0.0 | S |
| 27.592 | 0.0000 | 0.0000 | 84.227 | 1.16398 | 0.00000 | 602892.1 | 278651.2 | 0.0 | S |
| 27.600 | 0.0000 | 0.0000 | 84.226 | 1.16342 | 0.00000 | 602892.1 | 278686.1 | 0.0 | S |
| 27.608 | 0.0000 | 0.0000 | 84.226 | 1.16287 | 0.00000 | 602892.1 | 278721.0 | 0.0 | S |
| 27.617 | 0.0000 | 0.0000 | 84.225 | 1.16232 | 0.00000 | 602892.1 | 278755.9 | 0.0 | S |
| 27.625 | 0.0000 | 0.0000 | 84.225 | 1.16177 | 0.00000 | 602892.1 | 278790.8 | 0.0 | S |
| 27.633 | 0.0000 | 0.0000 | 84.224 | 1.16122 | 0.00000 | 602892.1 | 278825.6 | 0.0 | S |
| 27.642 | 0.0000 | 0.0000 | 84.224 | 1.16067 | 0.00000 | 602892.1 | 278860.4 | 0.0 | S |
| 27.650 | 0.0000 | 0.0000 | 84.223 | 1.16012 | 0.00000 | 602892.1 | 278895.3 | 0.0 | S |
| 27.658 | 0.0000 | 0.0000 | 84.223 | 1.15957 | 0.00000 | 602892.1 | 278930.1 | 0.0 | S |
| 27.667 | 0.0000 | 0.0000 | 84.222 | 1.15902 | 0.00000 | 602892.1 | 278964.8 | 0.0 | S |
| 27.675 | 0.0000 | 0.0000 | 84.222 | 1.15847 | 0.00000 | 602892.1 | 278999.6 | 0.0 | S |
| 27.683 | 0.0000 | 0.0000 | 84.221 | 1.15792 | 0.00000 | 602892.1 | 279034.3 | 0.0 | S |
| 27.692 | 0.0000 | 0.0000 | 84.221 | 1.15738 | 0.00000 | 602892.1 | 279069.1 | 0.0 | S |
| 27.700 | 0.0000 | 0.0000 | 84.220 | 1.15683 | 0.00000 | 602892.1 | 279103.8 | 0.0 | S |
| 27.708 | 0.0000 | 0.0000 | 84.220 | 1.15629 | 0.00000 | 602892.1 | 279138.5 | 0.0 | S |
| 27.717 | 0.0000 | 0.0000 | 84.219 | 1.15574 | 0.00000 | 602892.1 | 279173.2 | 0.0 | S |
| 27.725 | 0.0000 | 0.0000 | 84.219 | 1.15520 | 0.00000 | 602892.1 | 279207.8 | 0.0 | S |
| 27.733 | 0.0000 | 0.0000 | 84.219 | 1.15466 | 0.00000 | 602892.1 | 279242.5 | 0.0 | S |
| 27.742 | 0.0000 | 0.0000 | 84.218 | 1.15411 | 0.00000 | 602892.1 | 279277.1 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3 / 5}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overllow Discharge (ft ${ }^{3 / \mathrm{s}}$ ) | $\begin{aligned} & \text { Cumulative } \\ & \text { Inflow } \\ & \text { Volume }\left(\mathrm{ft}^{3}\right) \end{aligned}$ | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 27.750 | 0.0000 | 0.0000 | 84.218 | 1.15357 | 0.00000 | 602892.1 | 279311.7 | 0.0 | S |
| 27.758 | 0.0000 | 0.0000 | 84.217 | 1.15303 | 0.00000 | 602892.1 | 279346.3 | 0.0 | S |
| 27.767 | 0.0000 | 0.0000 | 84.217 | 1.15249 | 0.00000 | 602892.1 | 279380.9 | 0.0 | S |
| 27.775 | 0.0000 | 0.0000 | 84.216 | 1.15195 | 0.00000 | 602892.1 | 279415.5 | 0.0 | S |
| 27.783 | 0.0000 | 0.0000 | 84.216 | 1.15141 | 0.00000 | 602892.1 | 279450.0 | 0.0 | S |
| 27.792 | 0.0000 | 0.0000 | 84.215 | 1.15087 | 0.00000 | 602892.1 | 279484.6 | 0.0 | S |
| 27.800 | 0.0000 | 0.0000 | 84.215 | 1.15033 | 0.00000 | 602892.1 | 279519.1 | 0.0 | S |
| 27.808 | 0.0000 | 0.0000 | 84.214 | 1.14980 | 0.00000 | 602892.1 | 279553.6 | 0.0 | S |
| 27.817 | 0.0000 | 0.0000 | 84.214 | 1.14926 | 0.00000 | 602892.1 | 279588.1 | 0.0 | S |
| 27.825 | 0.0000 | 0.0000 | 84.213 | 1.14872 | 0.00000 | 602892.1 | 279622.5 | 0.0 | S |
| 27.833 | 0.0000 | 0.0000 | 84.213 | 1.14819 | 0.00000 | 602892.1 | 279657.0 | 0.0 | S |
| 27.842 | 0.0000 | 0.0000 | 84.212 | 1.14765 | 0.00000 | 602892.1 | 279691.4 | 0.0 | S |
| 27.850 | 0.0000 | 0.0000 | 84.212 | 1.14712 | 0.00000 | 602892.1 | 279725.8 | 0.0 | S |
| 27.858 | 0.0000 | 0.0000 | 84.211 | 1.14659 | 0.00000 | 602892.1 | 279760.3 | 0.0 | S |
| 27.867 | 0.0000 | 0.0000 | 84.211 | 1.14605 | 0.00000 | 602892.1 | 279794.6 | 0.0 | S |
| 27.875 | 0.0000 | 0.0000 | 84.210 | \$. 14552 | 0.00000 | 602892.1 | 279829.0 | 0.0 | S |
| 27.883 | 0.0000 | 0.0000 | 84.210 | 1.14499 | 0.00000 | 602892.1 | 279863.4 | 0.0 | S |
| 27.892 | 0.0000 | 0.0000 | 84.209 | 1.14446 | 0.00000 | 602892.1 | 279897.7 | 0.0 | S |
| 27.900 | 0.0000 | 0.0000 | 84.209 | 1.14393 | 0.00000 | 602892.1 | 279932.0 | 0.0 | S |
| 27.908 | 0.0000 | 0.0000 | 84.208 | 1.14340 | 0.00000 | 602892.1 | 279966.3 | 0.0 | S |
| 27.917 | 0.0000 | 0.0000 | 84.208 | 1.14287 | 0.00000 | 602892.1 | 280000.6 | 0.0 | S |
| 27.925 | 0.0000 | 0.0000 | 84.207 | 1.14234 | 0.00000 | 602892.1 | 280034.9 | 0.0 | S |
| 27.933 | 0.0000 | 0.0000 | 84.207 | 1.14181 | 0.00000 | 602892.1 | 280069.2 | 0.0 | S |
| 27.942 | 0.0000 | 0.0000 | 84.206 | 1.14128 | 0.00000 | 602892.1 | 280103.4 | 0.0 | S |
| 27.950 | 0.0000 | 0.0000 | 84.206 | 1.14076 | 0.00000 | 602892.1 | 280137.7 | 0.0 | S |
| 27.958 | 0.0000 | 0.0000 | 84.205 | 1.14023 | 0.00000 | 602892.1 | 280171.9 | 0.0 | S |
| 27.967 | 0.0000 | 0.0000 | 84.205 | 1.13970 | 0.00000 | 602892.1 | 280206.1 | 0.0 | S |
| 27.975 | 0.0000 | 0.0000 | 84.204 | 1.13918 | 0.00000 | 602892.1 | 280240.3 | 0.0 | S |
| 27.983 | 0.0000 | 0.0000 | 84.204 | 1.13865 | 0.00000 | 602892.1 | 280274.4 | 0.0 | S |
| 27.992 | 0.0000 | 0.0000 | 84.204 | 1.13813 | 0.00000 | 602892.1 | 280308.6 | 0.0 | S |
| 28.000 | 0.0000 | 0.0000 | 84.203 | 1.13761 | 0.00000 | 602892.1 | 280342.7 | 0.0 | S |
| 28.008 | 0.0000 | 0.0000 | 84.203 | 1.13709 | 0.00000 | 602892.1 | 280376.8 | 0.0 | S |
| 28.017 | 0.0000 | 0.0000 | 84.202 | 1.13656 | 0.00000 | 602892.1 | 280410.9 | 0.0 | S |
| 28.025 | 0.0000 | 0.0000 | 84.202 | 1.13604 | 0.00000 | 602892.1 | 280445.0 | 0.0 | S |
| 28.033 | 0.0000 | 0.0000 | 84.201 | 1.13552 | 0.00000 | 602892.1 | 280479.1 | 0.0 | S |
| 28.042 | 0.0000 | 0.0000 | 84.201 | 1.13500 | 0.00000 | 602892.1 | 280513.2 | 0.0 | S |
| 28.050 | 0.0000 | 0.0000 | 84.200 | $\ddagger .13448$ | 0.00000 | 602892.1 | 280547.2 | 0.0 | S |
| 28.058 | 0.0000 | 0.0000 | 84.200 | 1.13396 | 0.00000 | 602892.1 | 280581.2 | 0.0 | S |
| 28.067 | 0.0000 | 0.0000 | 84.199 | 1.13344 | 0.00000 | 602892.1 | 280615.2 | 0.0 | S |
| 28.075 | 0.0000 | 0.0000 | 84.199 | 1.13293 | 0.00000 | 602892.1 | 280649.2 | 0.0 | S |
| 28.083 | 0.0000 | 0.0000 | 84.198 | 1.13241 | 0.00000 | 602892.1 | 280683.2 | 0.0 | S |
| 28.092 | 0.0000 | 0.0000 | 84.198 | 1.13189 | 0.00000 | 602892.1 | 280717.2 | 0.0 | S |
| 28.100 | 0.0000 | 0.0000 | 84.197 | 1.13138 | 0.00000 | 602892.1 | 280751.1 | 0.0 | S |
| 28.108 | 0.0000 | 0.0000 | 84.197 | 1.13086 | 0.00000 | 602892.1 | 280785.1 | 0.0 | S |
| 28.117 | 0.0000 | 0.0000 | 84.196 | 1.13035 | 0.00000 | 602892.1 | 280819.0 | 0.0 | S |
| 28.125 | 0.0000 | 0.0000 | 84.196 | 1.12983 | 0.00000 | 602892.1 | 280852.9 | 0.0 | S |
| 28.133 | 0.0000 | 0.0000 | 84.195 | 1.12932 | 0.00000 | 602892.1 | 280886.8 | 0.0 | S |
| 28.142 | 0.0000 | 0.0000 | 84.195 | 1.12881 | 0.00000 | 602892.1 | 280920.6 | 0.0 | S |
| 28.150 | 0.0000 | 0.0000 | 84.194 | 1.12829 | 0.00000 | 602892.1 | 280954.5 | 0.0 | S |
| 28.158 | 0.0000 | 0.0000 | 84.194 | 1.12778 | 0.00000 | 602892.1 | 280988.3 | 0.0 | S |
| 28.167 | 0.0000 | 0.0000 | 84.193 | 1.12727 | 0.00000 | 602892.1 | 281022.2 | 0.0 | S |
| 28.175 | 0.0000 | 0.0000 | 84.193 | 1.12676 | 0.00000 | 602892.1 | 281056.0 | 0.0 | S |
| 28.183 | 0.0000 | 0.0000 | 84,193 | 1.12625 | 0.00000 | 602892.1 | 281089.8 | 0.0 | S |
| 28.192 | 0.0000 | 0.0000 | 84.192 | 1.12574 | 0.00000 | 602892.1 | 281123.5 | 0.0 | S |
| 28.200 | 0.0000 | 0.0000 | 84.192 | 1.12523 | 0.00000 | 602892.1 | 281157.3 | 0.0 | S |
| 28.208 | 0.0000 | 0.0000 | 84.191 | 1.12472 | 0.00000 | 602892.1 | 281191.1 | 0.0 | S |
| 28.217 | 0.0000 | 0.0000 | 84.191 | 1.12421 | 0.00000 | 602892.1 | 281224.8 | 0.0 | S |
| 28.225 | 0.0000 | 0.0000 | 84.190 | 1.12371 | 0.00000 | 602892.1 | 281258.5 | 0.0 | S |
| 28.233 | 0.0000 | 0.0000 | 84.190 | 1.12320 | 0.00000 | 602892.1 | 281292.2 | 0.0 | S |
| 28.242 | 0.0000 | 0.0000 | 84.189 | 1.12269 | 0.00000 | 602892.1 | 281325.9 | 0.0 | S |
| 28.250 | 0.0000 | 0.0000 | 84.189 | 1.12219 | 0.00000 | 602892.1 | 281359.6 | 0.0 | S |
| 28.258 | 0.0000 | 0.0000 | 84.188 | 1.12168 | 0.00000 | 602892.1 | 281393.2 | 0.0 | S |
| 28.267 | 0.0000 | 0.0000 | 84.188 | 1.12118 | 0.00000 | 602892.1 | 281426.9 | 0.0 | S |
| 28.275 | 0.0000 | 0.0000 | 84.187 | 1.12068 | 0.00000 | 602892.1 | 281460.5 | 0.0 | S |
| 28.283 | 0.0000 | 0.0000 | 84.187 | 1.12017 | 0.00000 | 602892.4 | 281494.1 | 0.0 | S |
| 28.292 | 0.0000 | 0.0000 | 84.186 | 1.11967 | 0.00000 | 602892.1 | 281527.7 | 0.0 | S |
| 28.300 | 0.0000 | 0.0000 | 84.186 | 1.11917 | 0.00000 | 602892.1 | 281561.3 | 0.0 | S |
| 28.308 | 0.0000 | 0.0000 | 84.185 | 1.11867 | 0.00000 | 602892.1 | 281594.9 | 0.0 | S |
| 28.317 | 0.0000 | 0.0000 | 84.185 | 1.11817 | 0.00000 | 602892.1 | 281628.4 | 0.0 | S |
| 28.325 | 0.0000 | 0.0000 | 84.184 | 1.11767 | 0.00000 | 602892.1 | 281661.9 | 0.0 | S |
| 28.333 | 0.0000 | 0.0000 | 84.184 | 1.11717 | 0.00000 | 602892.1 | 281695.5 | 0.0 | S |
| 28.342 | 0.0000 | 0.0000 | 84.184 | 1.11667 | 0.00000 | 602892.1 | 281728.0 | 0.0 | S |
| 28.350 | 0.0000 | 0.0000 | 84.183 | 1.11617 | 0.00000 | 602892.1 | 281762.5 | 0.0 | S |
| 28.358 | 0.0000 | 0.0000 | 84.183 | 1.11567 | 0.00000 | 602892.1 | 281795.9 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:: Scenario $1::$ pond 9100 year $/ 24$ hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{HI}^{3 / \mathrm{s}} \mathrm{s}$ ) | Outside Recharge (fl/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3 / 3}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | $\begin{aligned} & \text { Cumulative } \\ & \text { Inflow } \\ & \text { volume }\left(\mathrm{ff}^{3}\right) \end{aligned}$ | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume (fis) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 28.367 | 0.0000 | 0.0000 | 84.182 | 1.11517 | 0.00000 | 602892.1 | 281829.4 | 0.0 | S |
| 28.375 | 0.0000 | 0.0000 | 84.182 | 1.11468 | 0.00000 | 602892.1 | 281862.9 | 0.0 | S |
| 28.383 | 0.0000 | 0.0000 | 84.181 | 1.11418 | 0.00000 | 602892.1 | 281896.3 | 0.0 | S |
| 28.392 | 0.0000 | 0.0000 | 84.181 | 1.11368 | 0.00000 | 602892.1 | 281929.7 | 0.0 | S |
| 28.400 | 0.0000 | 0.0000 | 84.180 | 1.11319 | 0.00000 | 602892.1 | 281963.1 | 0.0 | S |
| 28.408 | 0.0000 | 0.0000 | 84.180 | 1.11269 | 0.00000 | 602892.1 | 281996.5 | 0.0 | S |
| 28.417 | 0.0000 | 0.0000 | 84.179 | 1.11220 | 0.00000 | 602892.1 | 282029.9 | 0.0 | S |
| 28.425 | 0.0000 | 0.0000 | 84.179 | 1.11170 | 0.00000 | 602892.1 | 282063.3 | 0.0 | S |
| 28.433 | 0.0000 | 0.0000 | 84.178 | 1.11121 | 0.00000 | 602892.1 | 282096.6 | 0.0 | S |
| 28.442 | 0.0000 | 0.0000 | 84.178 | 1.11072 | 0.00000 | 602892.1 | 282129.9 | 0.0 | S |
| 28.450 | 0.0000 | 0.0000 | 84.177 | 1.11023 | 0.00000 | 602892.1 | 282163.2 | 0.0 | S |
| 28.458 | 0.0000 | 0.0000 | 84.177 | 1.10974 | 0.00000 | 602892.1 | 282196.5 | 0.0 | S |
| 28.467 | 0.0000 | 0.0000 | 84.176 | 1.10924 | 0.00000 | 602892.1 | 282229.8 | 0.0 | S |
| 28.475 | 0.0000 | 0.0000 | 84.176 | 1.10875 | 0.00000 | 602892.1 | 282263.1 | 0.0 | S |
| 28.483 | 0.0000 | 0.0000 | 84.176 | 1.10826 | 0.00000 | 602892.1 | 282296.3 | 0.0 | S |
| 28.492 | 0.0000 | 0.0000 | 84.175 | 1.10777 | 0.00000 | 602892.1 | 282329.6 | 0.0 | S |
| 28.500 | 0.0000 | 0.0000 | 84.175 | 1.10729 | 0.00000 | 602892.1 | 282362.8 | 0.0 | S |
| 28.508 | 0.0000 | 0.0000 | 84.174 | 1.10680 | 0.00000 | 602892.1 | 282396.0 | 0.0 | S |
| 28.517 | 0.0000 | 0.0000 | 84.174 | 1.10631 | 0.00000 | 602892.1 | 282429.2 | 0.0 | S |
| 28.525 | 0.0000 | 0.0000 | 84.173 | 1.10582 | 0.00000 | 602892.1 | 282462.4 | 0.0 | S |
| 28.533 | 0.0000 | 0.0000 | 84.173 | 1.10534 | 0.00000 | 602892.1 | 282495.6 | 0.0 | S |
| 28.542 | 0.0000 | 0.0000 | 84.172 | 1.10485 | 0.00000 | 602892.1 | 282528.7 | 0.0 | S |
| 28.550 | 0.0000 | 0.0000 | 84.172 | 1.10436 | 0.00000 | 602892.1 | 282561.8 | 0.0 | S |
| 28.558 | 0.0000 | 0.0000 | 84.171 | 1.10388 | 0.00000 | 602892.1 | 282595.0 | 0.0 | S |
| 28.567 | 0.0000 | 0.0000 | 84.171 | 1.10340 | 0.00000 | 602892.1 | 282628.1 | 0.0 | S |
| 28.575 | 0.0000 | 0.0000 | 84.170 | 1.10294 | 0.00000 | 602892.1 | 282661.2 | 0.0 | S |
| 28.583 | 0.0000 | 0.0000 | 84.770 | 1.10243 | 0.00000 | 602892.1 | 282694.3 | 0.0 | S |
| 28.592 | 0.0000 | 0.0000 | 84.169 | 1.10194 | 0.00000 | 602892.1 | 282727.3 | 0.0 | S |
| 28.600 | 0.0000 | 0.0000 | 84.169 | 1.10146 | 0.00000 | 602892.1 | 282760.4 | 0.0 | S |
| 28.608 | 0.0000 | 0.0000 | 84.169 | 1.10098 | 0.00000 | 602892.1 | 282793.4 | 0.0 | S |
| 28.617 | 0.0000 | 0.0000 | 84.168 | 1.10050 | 0.00000 | 602892.1 | 282826.4 | 0.0 | S |
| 28.625 | 0.0000 | 0.0000 | 84.168 | 1.10002 | 0.00000 | 602892.1 | 282859.4 | 0.0 | S |
| 28.633 | 0.0000 | 0.0000 | 84.167 | 1.09954 | 0.00000 | 602892.1 | 282892.4 | 0.0 | S |
| 28.642 | 0.0000 | 0.0000 | 84.167 | 1.09906 | 0.00000 | 602892.1 | 282925.4 | 0.0 | S |
| 28.650 | 0.0000 | 0.0000 | 84.166 | 1.09858 | 0.00000 | 602892.1 | 282958.4 | 0.0 | S |
| 28.658 | 0.0000 | 0.0000 | 84.166 | 1.09810 | 0.00000 | 602892.1 | 282991.3 | 0.0 | S |
| 28.667 | 0.0000 | 0.0000 | 84.165 | 1.09762 | 0.00000 | 602892.1 | 283024.3 | 0.0 | S |
| 28.675 | 0.0000 | 0.0000 | 84.165 | 1.09714 | 0.00000 | 602892.1 | 283057.2 | 0.0 | S |
| 28.683 | 0.0000 | 0.0000 | 84.164 | 1.09667 | 0.00000 | 602892.1 | 283090.1 | 0.0 | S |
| 28.692 | 0.0000 | 0.0000 | 84.164 | 1.09619 | 0.00000 | 602892.1 | 283123.0 | 0.0 | S |
| 28.700 | 0.0000 | 0.0000 | 84.163 | 1.09571 | 0.00000 | 602892.1 | 283155.8 | 0.0 | S |
| 28.708 | 0.0000 | 0.0000 | 84.163 | 1.09524 | 0.00000 | 602892.1 | 283188.7 | 0.0 | S |
| 28.717 | 0.0000 | 0.0000 | 84.162 | 1.09476 | 0.00000 | 602892.1 | 283221.6 | 0.0 | S |
| 28.725 | 0.0000 | 0.0000 | 84.162 | 1.09429 | 0.00000 | 602892.1 | 283254.4 | 0.0 | S |
| 28.733 | 0.0000 | 0.0000 | 84.162 | 1.09382 | 0.00000 | 602892.1 | 283287.2 | 0.0 | S |
| 28.742 | 0.0000 | 0.0000 | 84.161 | 1.09334 | 0.00000 | 602892.1 | 283320.0 | 0.0 | S |
| 28.750 | 0.0000 | 0.0000 | 84.161 | 1.09287 | 0.00000 | 602892.1 | 283352.8 | 0.0 | S |
| 28.758 | 0.0000 | 0.0000 | 84.160 | 1.09240 | 0.00000 | 602892.1 | 283385.6 | 0.0 | S |
| 28.767 | 0.0000 | 0.0000 | 84.160 | 1.09192 | 0.00000 | 602892.1 | 283418.4 | 0.0 | S |
| 28.775 | 0.0000 | 0.0000 | 84.159 | 1.09145 | 0.00000 | 602892.1 | 283451.1 | 0.0 | S |
| 28.783 | 0.0000 | 0.0000 | 84.159 | 1.09098 | 0.00000 | 602892.1 | 283483.9 | 0.0 | S |
| 28.792 | 0.0000 | 0.0000 | 84.158 | 1.09051 | 0.00000 | 602892.1 | 283516.6 | 0.0 | S |
| 28.800 | 0.0000 | 0.0000 | 84.158 | 1.09004 | 0.00000 | 602892.1 | 283549.3 | 0.0 | S |
| 28.808 | 0.0000 | 0.0000 | 84.157 | 1.08957 | 0.00000 | 602892.1 | 283582.0 | 0.0 | S |
| 28.817 | 0.0000 | 0.0000 | 84.157 | 1.08910 | 0.00000 | 602892.1 | 283614.7 | 0.0 | S |
| 28.825 | 0.0000 | 0.0000 | 84.156 | 1.08863 | 0.00000 | 602892.1 | 283647.3 | 0.0 | S |
| 28,833 | 0.0000 | 0.0000 | 84.156 | 1.08817 | 0.00000 | 602892.1 | 283680.0 | 0.0 | S |
| 28.842 | 0.0000 | 0.0000 | 84.156 | 1.08770 | 0.00000 | 602892.1 | 283712.6 | 0.0 | S |
| 28.850 | 0.0000 | 0.0000 | 84.155 | 1.08723 | 0.00000 | 602892.1 | 283745.3 | 0.0 | S |
| 28.858 | 0.0000 | 0.0000 | 84.155 | 1.08677 | 0.00000 | 602892.1 | 283777.8 | 0.0 | S |
| 28.867 | 0.0000 | 0.0000 | 84.154 | 1.08630 | 0.00000 | 602892.1 | 283810.4 | 0.0 | S |
| 28.875 | 0.0000 | 0.0000 | 84.154 | 1.08583 | 0.00000 | 602892.1 | 283843.0 | 0.0 | S |
| 28.883 | 0.0000 | 0.0000 | 84.153 | 1.08537 | 0.00000 | 602892.1 | 283875.6 | 0.0 | S |
| 28.892 | 0.0000 | 0.0000 | 84.153 | 1.08490 | 0.00000 | 602892.1 | 283908.2 | 0.0 | S |
| 28.900 | 0.0000 | 0.0000 | 84.152 | 1.08444 | 0.00000 | 602892.1 | 283940.7 | 0.0 | S |
| 28.908 | 0.0000 | 0.0000 | 84.152 | 1.08398 | 0.00000 | 602892.1 | 283973.2 | 0.0 | S |
| 28.917 | 0.0000 | 0.0000 | 84.151 | 1.08351 | 0.00000 | 602892.1 | 284005.8 | 0.0 | S |
| 28.925 | 0.0000 | 0.0000 | 84.151 | 1.08305 | 0.00000 | 602892.1 | 284038.3 | 0.0 | S |
| 28.933 | 0.0000 | 0.0000 | 84.150 | 1.08259 | 0.00000 | 602892.1 | 284070.7 | 0.0 | S |
| 28.942 | 0.0000 | 0.0000 | 84.150 | 1.08213 | 0.00000 | 602892.1 | 284103.2 | 0.0 | S |
| 28.950 | 0.0000 | 0.0000 | 84.150 | 1.08167 | 0.00000 | 602892.1 | 284135.7 | 0.0 | S |
| 28.958 | 0.0000 | 0.0000 | 84.149 | 1.08121 | 0.00000 | 602892.1 | 284168.1 | 0.0 | S |
| 28.967 | 0.0000 | 0.0000 | 84.149 | 1.08075 | 0.00000 | 602892.1 | 284200.5 | 0.0 | S |
| 28.975 | 0.0000 | 0.0000 | 84.148 | 1.08029 | 0.00000 | 602892.1 | 284232.9 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year/24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (fy/day) | Stage Elevation (ft datum) | Infilitration Rate (ft ${ }^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | $\begin{aligned} & \text { Cumulative } \\ & \text { Inflow } \\ & \text { Volume }\left(\mathrm{ft}^{3}\right) \end{aligned}$ | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 28.983 | 0.0000 | 0.0000 | 84.148 | 1.07983 | 0.00000 | 602892.1 | 284265.3 | 0.0 | S |
| 28.992 | 0.0000 | 0.0000 | 84.147 | 1.07937 | 0.00000 | 602892.1 | 284297.7 | 0.0 | S |
| 29.000 | 0.0000 | 0.0000 | 84.147 | 1.07891 | 0.00000 | 602892.1 | 284330.1 | 0.0 | S |
| 29.008 | 0.0000 | 0.0000 | 84.146 | 1.07845 | 0.00000 | 602892.1 | 284362.5 | 0.0 | S |
| 29.017 | 0.0000 | 0.0000 | 84.146 | 1.07800 | 0.00000 | 602892.1 | 284394.8 | 0.0 | S |
| 29.025 | 0.0000 | 0.0000 | 84.145 | 1.07754 | 0.00000 | 602892.1 | 284427.1 | 0.0 | S |
| 29.033 | 0.0000 | 0.0000 | 84.145 | 1.07708 | 0.00000 | 602892.1 | 284459.5 | 0.0 | S |
| 29.042 | 0.0000 | 0.0000 | 84.145 | 1.07663 | 0.00000 | 602892.1 | 284491.8 | 0.0 | S |
| 29.050 | 0.0000 | 0.0000 | 84.144 | 1.07617 | 0.00000 | 602892.1 | 284524.1 | 0.0 | S |
| 29.058 | 0.0000 | 0.0000 | 84.144 | 1.07572 | 0.00000 | 602892.1 | 284556.3 | 0.0 | S |
| 29.067 | 0.0000 | 0.0000 | 84.143 | 1.07526 | 0.00000 | 602892.1 | 284588.6 | 0.0 | S |
| 29.075 | 0.0000 | 0.0000 | 84.143 | 1.07481 | 0.00000 | 602892.1 | 284620.8 | 0.0 | S |
| 29.083 | 0.0000 | 0.0000 | 84.142 | 1.07436 | 0.00000 | 602892.1 | 284653.1 | 0.0 | S |
| 29.092 | 0.0000 | 0.0000 | 84.142 | 1.07390 | 0.00000 | 602892.1 | 284685.3 | 0.0 | S |
| 29.100 | 0.0000 | 0.0000 | 84.141 | 1.07345 | 0.00000 | 602892.1 | 284717.5 | 0.0 | S |
| 29.108 | 0.0000 | 0.0000 | 84.141 | 1.07300 | 0.00000 | 602892.1 | 284749.7 | 0.0 | S |
| 29.117 | 0.0000 | 0.0000 | 84.140 | 1.07255 | 0.00000 | 602892.1 | 284781.9 | 0.0 | S |
| 29.125 | 0.0000 | 0.0000 | 84.140 | 1.07210 | 0.00000 | 602892.1 | 284814.1 | 0.0 | S |
| 29.133 | 0.0000 | 0.0000 | 84.140 | 1.07165 | 0.00000 | 602892.1 | 284846.2 | 0.0 | S |
| 29.142 | 0.0000 | 0.0000 | 84.139 | 1.07120 | 0.00000 | 602892.1 | 284878.4 | 0.0 | S |
| 29.150 | 0.0000 | 0.0000 | 84.139 | 1.07075 | 0.00000 | 602892.1 | 284910.5 | 0.0 | S |
| 29.158 | 0.0000 | 0.0000 | 84.138 | 1.07030 | 0.00000 | 602892.1 | 284942.6 | 0.0 | S |
| 29.167 | 0.0000 | 0.0000 | 84.138 | 1.06985 | 0.00000 | 602892.1 | 284974.7 | 0.0 | S |
| 29.175 | 0.0000 | 0.0000 | 84.137 | 1.06940 | 0.00000 | 602892.1 | 285006.8 | 0.0 | S |
| 29.183 | 0.0000 | 0.0000 | 84.137 | 1.06895 | 0.00000 | 602892.1 | 285038.9 | 0.0 | S |
| 29.192 | 0.0000 | 0.0000 | 84.136 | 1.06851 | 0.00000 | 602892.1 | 285070.9 | 0.0 | S |
| 29.200 | 0.0000 | 0.0000 | 84.136 | 1.06806 | 0.00000 | 602892.1 | 285103.0 | 0.0 | S |
| 29.208 | 0.0000 | 0.0000 | 84.135 | 1.06761 | 0.00000 | 602892.1 | 285135.0 | 0.0 | S |
| 29.217 | 0.0000 | 0.0000 | 84.135 | 1.06717 | 0.00000 | 602892.1 | 285167.1 | 0.0 | S |
| 29.225 | 0.0000 | 0.0000 | 84.135 | 1.06672 | 0.00000 | 602892.1 | 285199.1 | 0.0 | S |
| 29.233 | 0.0000 | 0.0000 | 84.134 | 1.06628 | 0.00000 | 602892.1 | 285231.1 | 0.0 | S |
| 29.242 | 0.0000 | 0.0000 | 84.134 | 1.06583 | 0.00000 | 602892.1 | 285263.0 | 0.0 | S |
| 29.250 | 0.0000 | 0.0000 | 84.133 | 1.06539 | 0.00000 | 602892.1 | 285295.0 | 0.0 | S |
| 29.258 | 0.0000 | 0.0000 | 84.133 | 1.06495 | 0.00000 | 602892.1 | 285327.0 | 0.0 | S |
| 29.267 | 0.0000 | 0.0000 | 84.132 | 1.06450 | 0.00000 | 602892.1 | 285358.9 | 0.0 | S |
| 29.275 | 0.0000 | 0.0000 | 84.132 | 1.06406 | 0.00000 | 602892.1 | 285390.8 | 0.0 | S |
| 29.283 | 0.0000 | 0.0000 | 84.131 | 1.06362 | 0.00000 | 602892.1 | 285422.8 | 0.0 | S |
| 29.292 | 0.0000 | 0.0000 | 84.131 | 1.06318 | 0.00000 | 602892.1 | 285454.7 | 0.0 | S |
| 29.300 | 0.0000 | 0.0000 | 84.130 | 1.06274 | 0.00000 | 602892.1 | 285486.5 | 0.0 | S |
| 29.308 | 0.0000 | 0.0000 | 84.130 | 1.06230 | 0.00000 | 602882.1 | 285518.4 | 0.0 | S |
| 29.317 | 0.0000 | 0.0000 | 84.130 | 1.06186 | 0.00000 | 602892.1 | 285550.3 | 0.0 | S |
| 29.325 | 0.0000 | 0.0000 | 84.129 | 1.06142 | 0.00000 | 602892.1 | 285582.1 | 0.0 | S |
| 29.333 | 0.0000 | 0.0000 | 84.129 | 1.06098 | 0.00000 | 602892.1 | 285614.0 | 0.0 | S |
| 29.342 | 0.0000 | 0.0000 | 84.128 | 1.06054 | 0.00000 | 602892.1 | 285645.8 | 0.0 | S |
| 29.350 | 0.0000 | 0.0000 | 84.128 | 1.06010 | 0.00000 | 602892.1 | 285677.6 | 0.0 | S |
| 29.358 | 0.0000 | 0.0000 | 84.127 | 1.05966 | 0.00000 | 602892.1 | 285709.4 | 0.0 | S |
| 29.367 | 0.0000 | 0.0000 | 84.127 | 1.05922 | 0.00000 | 602892.1 | 285741.2 | 0.0 | S |
| 29.375 | 0.0000 | 0.0000 | 84.126 | 1.05879 | 0.00000 | 602892.1 | 285772.9 | 0.0 | S |
| 29.383 | 0.0000 | 0.0000 | 84.126 | 1.05835 | 0.00000 | 602892.1 | 285804.7 | 0.0 | S |
| 29.392 | 0.0000 | 0.0000 | 84.126 | 1.05791 | 0.00000 | 602892.1 | 285836.4 | 0.0 | S |
| 29.400 | 0.0000 | 0.0000 | 84.125 | 1.05748 | 0.00000 | 602892.1 | 285868.2 | 0.0 | S |
| 29.408 | 0.0000 | 0.0000 | 84.125 | 1.05704 | 0.00000 | 602892.1 | 285899.9 | 0.0 | S |
| 29.417 | 0.0000 | 0.0000 | 84.124 | 1.05661 | 0.00000 | 602892.1 | 285931.6 | 0.0 | S |
| 29.425 | 0.0000 | 0.0000 | 84.124 | 1.05617 | 0.00000 | 602892.1 | 285963.3 | 0.0 | S |
| 29.433 | 0.0000 | 0.0000 | 84.123 | 1.05574 | 0.00000 | 602892.1 | 285995.0 | 0.0 | S |
| 29.442 | 0.0000 | 0.0000 | 84.123 | 1.05531 | 0.00000 | 602892.1 | 286026.6 | 0.0 | S |
| 29.450 | 0.0000 | 0.0000 | 84.122 | 1.05487 | 0.00000 | 602892.1 | 286058.3 | 0.0 | S |
| 29.458 | 0.0000 | 0.0000 | 84.122 | 1.05444 | 0.00000 | 602892.1 | 286089.9 | 0.0 | S |
| 29.467 | 0.0000 | 0.0000 | 84.121 | 1.05401 | 0.00000 | 602892.1 | 286121.6 | 0.0 | S |
| 29.475 | 0.0000 | 0.0000 | 84.121 | 1.05358 | 0.00000 | 602892.1 | 286153.2 | 0.0 | S |
| 29.483 | 0.0000 | 0.0000 | 84.121 | 1.05314 | 0.00000 | 602892.1 | 286184.8 | 0.0 | S |
| 29.492 | 0.0000 | 0.0000 | 84.120 | 1.05271 | 0.00000 | 602892.1 | 286216.3 | 0.0 | S |
| 29.500 | 0.0000 | 0.0000 | 84.120 | 1.05228 | 0.00000 | 602892.1 | 286247.9 | 0.0 | S |
| 29.508 | 0.0000 | 0.0000 | 84.119 | 1.05185 | 0.00000 | 602892.1 | 286279.5 | 0.0 | S |
| 29.517 | 0.0000 | 0.0000 | 84.119 | 1.05142 | 0.00000 | 602892.1 | 286311.0 | 0.0 | S |
| 29.525 | 0.0000 | 0.0000 | 84.118 | 1.05099 | 0.00000 | 602892.1 | 286342.6 | 0.0 | S |
| 29.533 | 0.0000 | 0.0000 | 84.118 | 1.05056 | 0.00000 | 602892.1 | 286374.1 | 0.0 | S |
| 29.542 | 0.0000 | 0.0000 | 84.117 | 1.05014 | 0.00000 | 602892.1 | 286405.6 | 0.0 | S |
| 29.550 | 0.0000 | 0.0000 | 84.117 | 1.04971 | 0.00000 | 602892.1 | 286437.1 | 0.0 | S |
| 29.558 | 0.0000 | 0.0000 | 84.117 | 1.04928 | 0.00000 | 602892.1 | 286468.6 | 0.0 | S |
| 29.567 | 0.0000 | 0.0000 | 84.116 | 1.04885 | 0.00000 | 602892.1 | 286500.1 | 0.0 | S |
| 29.575 | 0.0000 | 0.0000 | 84.116 | 1.04843 | 0.00000 | 602892.1 | 286531.5 | 0.0 | S |
| 29.583 | 0.0000 | 0.0000 | 84.115 | 1.04800 | 0.00000 | 602892.1 | 286563.0 | 0.0 | S |
| 29.592 | 0.0000 | 0.0000 | 84.115 | 1.04758 | 0.00000 | 602892.1 | 286594.4 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overfiow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume (ft³) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 29.600 | 0.0000 | 0.0000 | 84.114 | 1.04715 | 0.00000 | 602892.1 | 286625.8 | 0.0 | S |
| 29.608 | 0.0000 | 0.0000 | 84.114 | 1.04673 | 0.00000 | 602892.1 | 286657.2 | 0.0 | S |
| 29.617 | 0.0000 | 0.0000 | 84.113 | 1.04630 | 0.00000 | 602892.1 | 286688.6 | 0.0 | S |
| 29.625 | 0.0000 | 0.0000 | 84.113 | 1.04588 | 0.00000 | 602892.1 | 286720.0 | 0.0 | S |
| 29.633 | 0.0000 | 0.0000 | 84.113 | 1.04545 | 0.00000 | 602892.1 | 286751.4 | 0.0 | S |
| 29.642 | 0.0000 | 0.0000 | 84.112 | 1.04503 | 0.00000 | 602892.1 | 286782.7 | 0.0 | S |
| 29.650 | 0.0000 | 0.0000 | 84.112 | 1.0446 | 0.00000 | 602892.1 | 286814.1 | 0.0 | S |
| 29.658 | 0.0000 | 0.0000 | 84.111 | 1.04419 | 0.00000 | 602892.1 | 286845.4 | 0.0 | S |
| 29.667 | 0.0000 | 0.0000 | 84.111 | 1.04376 | 0.00000 | 602892.1 | 286876.7 | 0.0 | S |
| 29.675 | 0.0000 | 0.0000 | 84.110 | 1.04334 | 0.00000 | 602892.1 | 286908.0 | 0.0 | S |
| 29.683 | 0.0000 | 0.0000 | 84.110 | 1.04292 | 0.00000 | 602892.1 | 286939.3 | 0.0 | S |
| 29.692 | 0.0000 | 0.0000 | 84.109 | 1.04250 | 0.00000 | 602892.1 | 286970.6 | 0.0 | S |
| 29.700 | 0.0000 | 0.0000 | 84.109 | 1.04208 | 0.00000 | 602892.1 | 287001.9 | 0.0 | S |
| 29.708 | 0.0000 | 0.0000 | 84.109 | 1.04166 | 0.00000 | 602892.1 | 287033.1 | 0.0 | S |
| 29.717 | 0.0000 | 0.0000 | 84.108 | 1.04124 | 0.00000 | 602892.1 | 287064.4 | 0.0 | S |
| 29.725 | 0.0000 | 0.0000 | 84.108 | 1.04082 | 0.00000 | 602892.1 | 287095.6 | 0.0 | S |
| 29.733 | 0.0000 | 0.0000 | 84.107 | 1.04040 | 0.00000 | 602892.1 | 287126.8 | 0.0 | S |
| 29.742 | 0.0000 | 0.0000 | 84.107 | 1.03998 | 0.00000 | 602892.1 | 287158.0 | 0.0 | S |
| 29.750 | 0.0000 | 0.0000 | 84.105 | 1.03957 | 0.00000 | 602892.1 | 287189.2 | 0.0 | S |
| 29.758 | 0.0000 | 0.0000 | 84.106 | 1.03915 | 0.00000 | 602892.1 | 287220.4 | 0.0 | S |
| 29.767 | 0.0000 | 0.0000 | 84.105 | 1.03873 | 0.00000 | 602892.1 | 287251.6 | 0.0 | S |
| 29.775 | 0.0000 | 0.0000 | 84.105 | 1.03832 | 0.00000 | 602892.1 | 287282.7 | 0.0 | S |
| 29.783 | 0.0000 | 0.0000 | 84.105 | 1.03790 | 0.00000 | 602892.1 | 287313.9 | 0.0 | S |
| 29.792 | 0.0000 | 0.0000 | 84.104 | 1.03748 | 0.00000 | 602892.1 | 287345.0 | 0.0 | S |
| 29.800 | 0.0000 | 0.0000 | 84.104 | 1.03707 | 0.00000 | 602892.1 | 287376.1 | 0.0 | S |
| 29.808 | 0.0000 | 0.0000 | 84.103 | 1.03665 | 0.00000 | 602892.7 | 287407.2 | 0.0 | S |
| 29.817 | 0.0000 | 0.0000 | 84.103 | 1.03624 | 0.00000 | 602892.1 | 287438.3 | 0.0 | S |
| 29.825 | 0.0000 | 0.0000 | 84.102 | 1.03583 | 0.00000 | 602892.1 | 287469.4 | 0.0 | S |
| 29.833 | 0.0000 | 0.0000 | 84.102 | 1.03541 | 0.00000 | 602892.1 | 287500.5 | 0.0 | S |
| 29.842 | 0.0000 | 0.0000 | 84.101 | 1.03500 | 0.00000 | 602892.1 | 287531.5 | 0.0 | S |
| 29.850 | 0.0000 | 0.0000 | 84.101 | 1.03459 | 0.00000 | 602892.1 | 287562.6 | 0.0 | S |
| 29.858 | 0.0000 | 0.0000 | 84.101 | 1.03417 | 0.00000 | 602892.1 | 287593.6 | 0.0 | S |
| 29.867 | 0.0000 | 0.0000 | 84.100 | 1.03376 | 0.00000 | 602892.1 | 287624.6 | 0.0 | S |
| 29.875 | 0.0000 | 0.0000 | 84.100 | 1.03335 | 0.00000 | 602892.1 | 287655.6 | 0.0 | S |
| 29.883 | 0.0000 | 0.0000 | 84.099 | 1.03294 | 0.00000 | 602892.1 | 287686.6 | 0.0 | S |
| 29.892 | 0.0000 | 0.0000 | 84.099 | 1.03253 | 0.00000 | 602892.1 | 287717.6 | 0.0 | S |
| 29.900 | 0.0000 | 0.0000 | 84.098 | 1.03212 | 0.00000 | 602892.1 | 287748.6 | 0.0 | S |
| 29.908 | 0.0000 | 0.0000 | 84.098 | 1.03171 | 0.00000 | 602892.1 | 287779.5 | 0.0 | S |
| 29.917 | 0.0000 | 0.0000 | 84.098 | 1.03130 | 0.00000 | 602892.1 | 287810.5 | 0.0 | S |
| 29.925 | 0.0000 | 0.0000 | 84.097 | 1.03089 | 0.00000 | 602892.1 | 287841.4 | 0.0 | S |
| 29.933 | 0.0000 | 0.0000 | 84.097 | 1.03048 | 0.00000 | 602892.1 | 287872.3 | 0.0 | S |
| 29.942 | 0.0000 | 0.0000 | 84.096 | 1.03007 | 0.00000 | 602892.1 | 287903.3 | 0.0 | S |
| 29.950 | 0.0000 | 0.0000 | 84.096 | 1.02966 | 0.00000 | 602892.1 | 287934.1 | 0.0 | S |
| 29.958 | 0.0000 | 0.0000 | 84.095 | 1.02926 | 0.00000 | 602892.1 | 287965.0 | 0.0 | S |
| 29.967 | 0.0000 | 0.0000 | 84.095 | 1.02885 | 0.00000 | 602892.1 | 287995.9 | 0.0 | S |
| 29.975 | 0.0000 | 0.0000 | 84.094 | 1.02844 | 0.00000 | 602892.1 | 288026.8 | 0.0 | S |
| 29,983 | 0.0000 | 0.0000 | 84.094 | 1.02804 | 0.00000 | 602892.1 | 288057.6 | 0.0 | S |
| 29.992 | 0.0000 | 0.0000 | 84.094 | 1.02763 | 0.00000 | 602892.1 | 288088.4 | 0.0 | S |
| 30.000 | 0.0000 | 0.0000 | 84.093 | 1.02723 | 0.00000 | 602892.1 | 288119.3 | 0.0 | S |
| 30.008 | 0.0000 | 0.0000 | 84.093 | 1.02682 | 0.00000 | 602892.1 | 288150.1 | 0.0 | S |
| 30.017 | 0.0000 | 0.0000 | 84.092 | 1.02642 | 0.00000 | 602892.1 | 288180.9 | 0.0 | S |
| 30.025 | 0.0000 | 0.0000 | 84.092 | 1.02601 | 0.00000 | 602892.1 | 288211.7 | 0.0 | S |
| 30.033 | 0.0000 | 0.0000 | 84.091 | 1.02561 | 0.00000 | 602892.1 | 288242.4 | 0.0 | S |
| 30.042 | 0.0000 | 0.0000 | 84.091 | 1.02520 | 0.00000 | 602892.1 | 288273.2 | 0.0 | S |
| 30.050 | 0.0000 | 0.0000 | 84.090 | 1.02480 | 0.00000 | 602892.1 | 288303.9 | 0.0 | S |
| 30.058 | 0.0000 | 0.0000 | 84.090 | 1.02440 | 0.00000 | 602892.1 | 288334.7 | 0.0 | S |
| 30.067 | 0.0000 | 0.0000 | 84.090 | 1.02399 | 0.00000 | 602892.1 | 288365.4 | 0.0 | S |
| 30.075 | 0.0000 | 0.0000 | 84.089 | 1.02359 | 0.00000 | 602892.1 | 288396.1 | 0.0 | S |
| 30.083 | 0.0000 | 0.0000 | 84.089 | 1.02319 | 0.00000 | 602892.1 | 288426.8 | 0.0 | S |
| 30.092 | 0.0000 | 0.0000 | 84.088 | 1.02279 | 0.00000 | 602892.1 | 288457.5 | 0.0 | S |
| 30.100 | 0.0000 | 0.0000 | 84.088 | 1.02239 | 0.00000 | 602892.1 | 288488.2 | 0.0 | S |
| 30.108 | 0.0000 | 0.0000 | 84.087 | 1.02199 | 0.00000 | 602892.1 | 288518.8 | 0.0 | S |
| 30.117 | 0.0000 | 0.0000 | 84.087 | 1.02159 | 0.00000 | 602892.1 | 288549.5 | 0.0 | S |
| 30.125 | 0.0000 | 0.0000 | 84.087 | 1.02119 | 0.00000 | 602892.1 | 288580.2 | 0.0 | S |
| 30.133 | 0.0000 | 0.0000 | 84.086 | 1.02079 | 0.00000 | 602892.1 | 288610.8 | 0.0 | S |
| 30.142 | 0.0000 | 0.0000 | 84.086 | 1.02039 | 0.00000 | 602892.1 | 288641.4 | 0.0 | S |
| 30.150 | 0.0000 | 0.0000 | 84.085 | 1.01999 | 0.00000 | 602892.1 | 288672.0 | 0.0 | S |
| 30.158 | 0.0000 | 0.0000 | 84.085 | 1.01959 | 0.00000 | 602892.1 | 288702.6 | 0.0 | S |
| 30.167 | 0.0000 | 0.0000 | 84.084 | 1.01920 | 0.00000 | 602892.1 | 288733.2 | 0.0 | S |
| 30.175 | 0.0000 | 0.0000 | 84.084 | 1.01880 | 0.00000 | 602892.1 | 288763.8 | 0.0 | S |
| 30.183 | 0.0000 | 0.0000 | 84.084 | 1.01840 | 0.00000 | 602892.1 | 288794.3 | 0.0 | S |
| 30.192 | 0.0000 | 0.0000 | 84.083 | 1.01800 | 0.00000 | 602892.1 | 288824.8 | 0.0 | S |
| 30.200 | 0.0000 | 0.0000 | 84.083 | 1.01761 | 0.00000 | 602892.1 | 288855.4 | 0.0 | S |
| 30.208 | 0.0000 | 0.0000 | 84.082 | 1.01721 | 0.00000 | 602892.1 | 288885.9 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (fl/day) | Stage Elevation ( f datum) | Infiltration Rate ( $\mathrm{Al}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{f}{ }^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{fl}^{3}$ ) | Cumulative <br> Discharge <br> Volume ( $\mathrm{rt}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30.217 | 0.0000 | 0.0000 | 84.082 | 1.01682 | 0.00000 | 602892.1 | 288916.4 | 0.0 | S |
| 30.225 | 0.0000 | 0.0000 | 84.081 | 1.01642 | 0.00000 | 602892.1 | 288946.9 | 0.0 | S |
| 30.233 | 0.0000 | 0.0000 | 84.081 | 1.01603 | 0.00000 | 602892.1 | 288977.4 | 0.0 | S |
| 30.242 | 0.0000 | 0.0000 | 84.080 | 1.01563 | 0.00000 | 602892.1 | 289007.9 | 0.0 | S |
| 30.250 | 0.0000 | 0.0000 | 84.080 | 1.01524 | 0.00000 | 602892.1 | 289038.3 | 0.0 | S |
| 30.258 | 0.0000 | 0.0000 | 84.080 | 1.01485 | 0.00000 | 602892.1 | 289068.8 | 0.0 | S |
| 30.267 | 0.0000 | 0.0000 | 84.079 | 1.01445 | 0.00000 | 602892.1 | 289099.2 | 0.0 | S |
| 30.275 | 0.0000 | 0.0000 | 84.079 | 1.01406 | 0.00000 | 602892.1 | 289129.7 | 0.0 | S |
| 30.283 | 0.0000 | 0.0000 | 84.078 | 1.01367 | 0.00000 | 602892.1 | 289160.1 | 0.0 | S |
| 30.292 | 0.0000 | 0.0000 | 84.078 | 1.01327 | 0.00000 | 602892.1 | 289190.5 | 0.0 | S |
| 30.300 | 0.0000 | 0.0000 | 84.077 | 1.01288 | 0.00000 | 602892.1 | 289220.9 | 0.0 | S |
| 30.308 | 0.0000 | 0.0000 | 84.077 | 1.01249 | 0.00000 | 602892.1 | 289251.3 | 0.0 | S |
| 30.317 | 0.0000 | 0.0000 | 84.077 | 1.01210 | 0.00000 | 602892.1 | 289281.6 | 0.0 | S |
| 30.325 | 0.0000 | 0.0000 | 84.076 | 1.01171 | 0.00000 | 602892.1 | 289312.0 | 0.0 | S |
| 30.333 | 0.0000 | 0.0000 | 84.076 | 1.01132 | 0.00000 | 602892.1 | 289342.3 | 0.0 | S |
| 30.342 | 0.0000 | 0.0000 | 84.075 | 1.01093 | 0.00000 | 602892.1 | 289372.7 | 0.0 | S |
| 30.350 | 0.0000 | 0.0000 | 84.075 | \$. 01054 | 0.00000 | 602892.1 | 289403.0 | 0.0 | S |
| 30.358 | 0.0000 | 0.0000 | 84.074 | 1.01015 | 0.00000 | 602892.1 | 289433.3 | 0.0 | S |
| 30.367 | 0.0000 | 0.0000 | 84.074 | 1.00976 | 0.00000 | 602892.1 | 289463.6 | 0.0 | S |
| 30.375 | 0.0000 | 0.0000 | 84.074 | 1.00937 | 0.00000 | 602892.1 | 289493.9 | 0.0 | S |
| 30.383 | 0.0000 | 0.0000 | 84.073 | 1.00899 | 0.00000 | 602892.1 | 289524.2 | 0.0 | S |
| 30.392 | 0.0000 | 0.0000 | 84.073 | 1.00860 | 0.00000 | 602892.1 | 289554.4 | 0.0 | S |
| 30.400 | 0.0000 | 0.0000 | 84.072 | 1.00821 | 0.00000 | 602892.1 | 289584.7 | 0.0 | S |
| 30.408 | 0.0000 | 0.0000 | 84.072 | 1.00782 | 0.00000 | 602892.1 | 289614.9 | 0.0 | S |
| 30.417 | 0.0000 | 0.0000 | 84.071 | 1.00744 | 0.00000 | 602892.1 | 289645.1 | 0.0 | S |
| 30.425 | 0.0000 | 0.0000 | 84.071 | 1.00705 | 0.00000 | 602892.1 | 289675.3 | 0.0 | S |
| 30.433 | 0.0000 | 0.0000 | 84.071 | 1.00666 | 0.00000 | 602892.1 | 289705.6 | 0.0 | S |
| 30.442 | 0.0000 | 0.0000 | 84.070 | 1.00628 | 0.00000 | 602892.1 | 289735.8 | 0.0 | S |
| 30.450 | 0.0000 | 0.0000 | 84.070 | \{. 00589 | 0.00000 | 602892.1 | 289765.9 | 0.0 | S |
| 30.458 | 0.0000 | 0.0000 | 84.069 | 1.00551 | 0.00000 | 602892.1 | 289796.1 | 0.0 | S |
| 30.467 | 0.0000 | 0.0000 | 84.069 | 1.00512 | 0.00000 | 602892.1 | 289826.3 | 0.0 | S |
| 30.475 | 0.0000 | 0.0000 | 84.068 | 1.00474 | 0.00000 | 602892.1 | 289856.4 | 0.0 | S |
| 30.483 | 0.0000 | 0.0000 | 84.068 | 1.00436 | 0.00000 | 602892.1 | 289886.6 | 0.0 | S |
| 30.492 | 0.0000 | 0.0000 | 84.068 | 1.00397 | 0.00000 | 602892.1 | 289916.7 | 0.0 | S |
| 30.500 | 0.0000 | 0.0000 | 84.067 | 1.00359 | 0.00000 | 602892.1 | 289946.8 | 0.0 | S |
| 30.508 | 0.0000 | 0.0000 | 84.067 | 1.00321 | 0.00000 | 602892.1 | 289976.9 | 0.0 | S |
| 30.517 | 0.0000 | 0.0000 | 84.066 | 1.00283 | 0.00000 | 602892.1 | 290007.0 | 0.0 | S |
| 30.525 | 0.0000 | 0.0000 | 84.066 | 1.00244 | 0.00000 | 602892.1 | 290037.1 | 0.0 | S |
| 30.533 | 0.0000 | 0.0000 | 84.065 | 1.00206 | 0.00000 | 602892.1 | 290067.1 | 0.0 | S |
| 30.542 | 0.0000 | 0.0000 | 84.065 | 1.00168 | 0.00000 | 602892.1 | 290097.2 | 0.0 | S |
| 30.550 | 0.0000 | 0.0000 | 84.065 | 1.00130 | 0.00000 | 602892.1 | 290127.2 | 0.0 | S |
| 30.558 | 0.0000 | 0.0000 | 84.064 | 1.00092 | 0.00000 | 602892.1 | 290157.3 | 0.0 | S |
| 30.567 | 0.0000 | 0.0000 | 84.064 | 1.00054 | 0.00000 | 602892.1 | 290187.3 | 0.0 | S |
| 30.575 | 0.0000 | 0.0000 | 84.063 | 1.00016 | 0.00000 | 602892.1 | 290217.3 | 0.0 | S |
| 30.583 | 0.0000 | 0.0000 | 84.063 | 0.99978 | 0.00000 | 602892.1 | 290247.3 | 0.0 | S |
| 30.592 | 0.0000 | 0.0000 | 84.062 | 0.99940 | 0.00000 | 602892.1 | 290277.3 | 0.0 | S |
| 30.600 | 0.0000 | 0.0000 | 84.062 | 0.99902 | 0.00000 | 602892.1 | 290307.3 | 0.0 | S |
| 30.608 | 0.0000 | 0.0000 | 84.062 | 0.99864 | 0.00000 | 602892.1 | 290337.2 | 0.0 | S |
| 30.617 | 0.0000 | 0.0000 | 84.061 | 0.99827 | 0.00000 | 602892.1 | 290367.2 | 0.0 | S |
| 30.625 | 0.0000 | 0.0000 | 84.061 | 0.99789 | 0.00000 | 602892.1 | 290397.1 | 0.0 | S |
| 30.633 | 0.0000 | 0.0000 | 84.060 | 0.99751 | 0.00000 | 602892.1 | 290427.1 | 0.0 | S |
| 30.642 | 0.0000 | 0.0000 | 84.060 | 0.99713 | 0.00000 | 602892.1 | 290457.0 | 0.0 | S |
| 30.650 | 0.0000 | 0.0000 | 84.059 | 0.99676 | 0.00000 | 602892.1 | 290486.9 | 0.0 | S |
| 30.658 | 0.0000 | 0.0000 | 84.059 | 0.99638 | 0.00000 | 602892.1 | 290516.8 | 0.0 | S |
| 30.667 | 0.0000 | 0.0000 | 84.059 | 0.99601 | 0.00000 | 602892.1 | 290546.7 | 0.0 | S |
| 30.675 | 0.0000 | 0.0000 | 84.058 | 0.99563 | 0.00000 | 602892.1 | 290576.5 | 0.0 | S |
| 30.683 | 0.0000 | 0.0000 | 84.058 | 0.99525 | 0.00000 | 602892.1 | 290606.4 | 0.0 | S |
| 30.692 | 0.0000 | 0.0000 | 84.057 | 0.99488 | 0.00000 | 602892.1 | 290636.3 | 0.0 | S |
| 30.700 | 0.0000 | 0.0000 | 84.057 | 0.99451 | 0.00000 | 602892.1 | 290666.1 | 0.0 | S |
| 30.708 | 0.0000 | 0.0000 | 84.056 | 0.99413 | 0.00000 | 602892.1 | 290695.9 | 0.0 | S |
| 30.717 | 0.0000 | 0.0000 | 84.056 | 0.99376 | 0.00000 | 602892.1 | 290725.8 | 0.0 | S |
| 30.725 | 0.0000 | 0.0000 | 84.056 | 0.99338 | 0.00000 | 602892.1 | 290755.5 | 0.0 | S |
| 30.733 | 0.0000 | 0.0000 | 84.055 | 0.99301 | 0.00000 | 602892.1 | 290785.3 | 0.0 | S |
| 30.742 | 0.0000 | 0.0000 | 84.055 | 0.99264 | 0.00000 | 602892.1 | 290815.1 | 0.0 | S |
| 30.750 | 0.0000 | 0.0000 | 84.054 | 0.99227 | 0.00000 | 602892.1 | 290844.9 | 0.0 | S |
| 30.758 | 0.0000 | 0.0000 | 84.054 | 0.99189 | 0.00000 | 602892.1 | 290874.7 | 0.0 | S |
| 30.767 | 0.0000 | 0.0000 | 84.053 | 0.99152 | 0.00000 | 602892.1 | 290904.4 | 0.0 | S |
| 30.775 | 0.0000 | 0.0000 | 84.053 | 0.99115 | 0.00000 | 602892.1 | 290934.2 | 0.0 | S |
| 30.783 | 0.0000 | 0.0000 | 84.053 | 0.99078 | 0.00000 | 602892.1 | 290963.9 | 0.0 | S |
| 30.792 | 0.0000 | 0.0000 | 84.052 | 0.99041 | 0.00000 | 602892.1 | 290993.6 | 0.0 | S |
| 30.800 | 0.0000 | 0.0000 | 84.052 | 0.99004 | 0.00000 | 602892.1 | 291023.3 | 0.0 | S |
| 30.808 | 0.0000 | 0.0000 | 84.051 | 0.98967 | 0.00000 | 602892.1 | 291053.0 | 0.0 | S |
| 30.817 | 0.0000 | 0.0000 | 84.051 | 0.98930 | 0.00000 | 602892.1 | 291082.7 | 0.0 | S |
| 30.825 | 0.0000 | 0.0000 | 84.051 | 0.98893 | 0.00000 | 602892.1 | 291112.3 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (t/day) | Stage Elevation (ft datum) | Infiltration Rate (ft ${ }^{3} / \mathrm{s}$ ) | Overfiow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infittration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{fl}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30.833 | 0.0000 | 0.0000 | 84.050 | 0.98856 | 0.00000 | 602892.1 | 291142.0 | 0.0 | S |
| 30.842 | 0.0000 | 0.0000 | 84.050 | 0.98819 | 0.00000 | 602892.1 | 291171.7 | 0.0 | S |
| 30.850 | 0.0000 | 0.0000 | 84.049 | 0.98782 | 0.00000 | 602892.1 | 291201.3 | 0.0 | S |
| 30.858 | 0.0000 | 0.0000 | 84.049 | 0.98745 | 0.00000 | 602892.1 | 291230.9 | 0.0 | S |
| 30.867 | 0.0000 | 0.0000 | 84.048 | 0.98709 | 0.00000 | 602892.1 | 291260.6 | 0.0 | S |
| 30.875 | 0.0000 | 0.0000 | 84.048 | 0.98672 | 0.00000 | 602892.1 | 291290.2 | 0.0 | S |
| 30.883 | 0.0000 | 0.0000 | 84.048 | 0.98635 | 0.00000 | 602892.1 | 291319.8 | 0.0 | S |
| 30.892 | 0.0000 | 0.0000 | 84.047 | 0.98599 | 0.00000 | 602892.1 | 291349.3 | 0.0 | S |
| 30.900 | 0.0000 | 0.0000 | 84.047 | 0.98562 | 0.00000 | 602892.1 | 291378.9 | 0.0 | S |
| 30.908 | 0.0000 | 0.0000 | 84.046 | 0.98525 | 0.00000 | 602892.1 | 291408.5 | 0.0 | S |
| 30.917 | 0.0000 | 0.0000 | 84.046 | 0.98489 | 0.00000 | 602892.1 | 291438.0 | 0.0 | S |
| 30.925 | 0.0000 | 0.0000 | 84.045 | 0.98452 | 0.00000 | 602892.1 | 291467.6 | 0.0 | S |
| 30.933 | 0.0000 | 0.0000 | 84.045 | 0.98416 | 0.00000 | 602892.1 | 291497.1 | 0.0 | S |
| 30.942 | 0.0000 | 0.0000 | 84.045 | 0.98379 | 0.00000 | 602892.1 | 291526.6 | 0.0 | S |
| 30.950 | 0.0000 | 0.0000 | 84.044 | 0.98343 | 0.00000 | 602892.1 | 291556.1 | 0.0 | S |
| 30.958 | 0.0000 | 0.0000 | 84.044 | 0.98306 | 0.00000 | 602892.4 | 291585.6 | 0.0 | S |
| 30.967 | 0.0000 | 0.0000 | 84.043 | 0.98270 | 0.00000 | 602892.1 | 291615.1 | 0.0 | S |
| 30.975 | 0.0000 | 0.0000 | 84.043 | 0.98234 | 0.00000 | 602892.1 | 291644.6 | 0.0 | S |
| 30.983 | 0.0000 | 0.0000 | 84.043 | 0.98197 | 0.00000 | 602892.1 | 291674.1 | 0.0 | S |
| 30.992 | 0.0000 | 0.0000 | 84.042 | 0.98161 | 0.00000 | 602892.1 | 291703.5 | 0.0 | S |
| 31.000 | 0.0000 | 0.0000 | 84.042 | 0.98125 | 0.00000 | 602892.1 | 291733.0 | 0.0 | S |
| 31.008 | 0.0000 | 0.0000 | 84.041 | 0.98089 | 0.00000 | 602892.1 | 291762.4 | 0.0 | S |
| 31.017 | 0.0000 | 0.0000 | 84.041 | 0.98052 | 0.00000 | 602892.1 | 291791.8 | 0.0 | S |
| 31.025 | 0.0000 | 0.0000 | 84.040 | 0.98016 | 0.00000 | 602892.1 | 291821.2 | 0.0 | S |
| 31.033 | 0.0000 | 0.0000 | 84.040 | 0.97980 | 0.00000 | 602892.1 | 291850.6 | 0.0 | S |
| 31.042 | 0.0000 | 0.0000 | 84.040 | 0.97944 | 0.00000 | 602892.1 | 291880.0 | 0.0 | S |
| 31.050 | 0.0000 | 0.0000 | 84.039 | 0.97908 | 0.00000 | 602892.1 | 291909.4 | 0.0 | S |
| 31.058 | 0.0000 | 0.0000 | 84.039 | 0.97872 | 0.00000 | 602892.1 | 291938.8 | 0.0 | S |
| 31.067 | 0.0000 | 0.0000 | 84.038 | 0.97836 | 0.00000 | 602892.1 | 291968.1 | 0.0 | S |
| 31.075 | 0.0000 | 0.0000 | 84.038 | 0.97800 | 0.00000 | 602892.1 | 291997.5 | 0.0 | S |
| 31.083 | 0.0000 | 0.0000 | 84.037 | 0.97764 | 0.00000 | 602892.1 | 292026.8 | 0.0 | S |
| 31.092 | 0.0000 | 0.0000 | 84.037 | 0.97728 | 0.00000 | 602892.1 | 292056.1 | 0.0 | S |
| 31.100 | 0.0000 | 0.0000 | 84.037 | 0.97692 | 0.00000 | 602892.1 | 292085.4 | 0.0 | S |
| 31.108 | 0.0000 | 0.0000 | 84.036 | 0.97657 | 0.00000 | 602892.1 | 292114.7 | 0.0 | S |
| 31.117 | 0.0000 | 0.0000 | 84.036 | 0.97621 | 0.00000 | 602892.1 | 292144.0 | 0.0 | S |
| 31.125 | 0.0000 | 0.0000 | 84.035 | 0.97585 | 0.00000 | 602892.1 | 292173.3 | 0.0 | S |
| 31.133 | 0.0000 | 0.0000 | 84.035 | 0.97549 | 0.00000 | 602892.1 | 292202.6 | 0.0 | S |
| 31.142 | 0.0000 | 0.0000 | 84.035 | 0.97514 | 0.00000 | 602892.1 | 292231.8 | 0.0 | S |
| 31.150 | 0.0000 | 0.0000 | 84.034 | 0.97478 | 0.00000 | 602892.1 | 292261.3 | 0.0 | S |
| 31.158 | 0.0000 | 0.0000 | 84.034 | 0.97442 | 0.00000 | 602892.1 | 292290.3 | 0.0 | S |
| 31.167 | 0.0000 | 0.0000 | 84.033 | 0.97407 | 0.00000 | 602892.1 | 292319.5 | 0.0 | S |
| 31.175 | 0.0000 | 0.0000 | 84.033 | 0.97371 | 0.00000 | 602892.1 | 292348.8 | 0.0 | S |
| 31.183 | 0.0000 | 0.0000 | 84.032 | 0.97336 | 0.00000 | 602892.1 | 292378.0 | 0.0 | S |
| 31.192 | 0.0000 | 0.0000 | 84.032 | 0.97300 | 0.00000 | 602892.1 | 292407.2 | 0.0 | S |
| 31.200 | 0.0000 | 0.0000 | 84.032 | 0.97265 | 0.00000 | 602892.1 | 292436.3 | 0.0 | S |
| 31.208 | 0.0000 | 0.0000 | 84.031 | 0.97229 | 0.00000 | 602892.1 | 292465.5 | 0.0 | S |
| 31.217 | 0.0000 | 0.0000 | 84.031 | 0.97194 | 0.00000 | 602892.1 | 292494.7 | 0.0 | S |
| 31.225 | 0.0000 | 0.0000 | 84.030 | 0.97159 | 0.00000 | 602892.1 | 292523.8 | 0.0 | S |
| 31.233 | 0.0000 | 0.0000 | 84.030 | 0.97123 | 0.00000 | 602892.1 | 292553.0 | 0.0 | 5 |
| 31.242 | 0.0000 | 0.0000 | 84.030 | 0.97088 | 0.00000 | 602892.1 | 292582.1 | 0.0 | S |
| 31.250 | 0.0000 | 0.0000 | 84.029 | 0.97053 | 0.00000 | 602892.1 | 292611.2 | 0.0 | S |
| 31.258 | 0.0000 | 0.0000 | 84.029 | 0.97017 | 0.00000 | 602892.1 | 292640.3 | 0.0 | S |
| 31.267 | 0.0000 | 0.0000 | 84.028 | 0.96982 | 0.00000 | 602892.1 | 292669.4 | 0.0 | S |
| 31.275 | 0.0000 | 0.0000 | 84.028 | 0.96947 | 0.00000 | 602892.1 | 292698.5 | 0.0 | S |
| 31.283 | 0.0000 | 0.0000 | 84.027 | 0.96912 | 0.00000 | 602892.1 | 292727.6 | 0.0 | S |
| 31.292 | 0.0000 | 0.0000 | 84.027 | 0.96877 | 0.00000 | 602892.1 | 292756.7 | 0.0 | S |
| 31.300 | 0.0000 | 0.0000 | 84.027 | 0.96842 | 0.00000 | 602892.1 | 292785.8 | 0.0 | S |
| 31.308 | 0.0000 | 0.0000 | 84.026 | 0.96806 | 0.00000 | 602892.1 | 292814.8 | 0.0 | S |
| 31.317 | 0.0000 | 0.0000 | 84.026 | 0.96771 | 0.00000 | 602892.1 | 292843.8 | 0.0 | S |
| 31.325 | 0.0000 | 0.0000 | 84.025 | 0.96736 | 0.00000 | 602892.1 | 292872.8 | 0.0 | S |
| 31.333 | 0.0000 | 0.0000 | 84.025 | 0.96701 | 0.00000 | 602892.1 | 292901.9 | 0.0 | S |
| 31.342 | 0.0000 | 0.0000 | 84.025 | 0.96667 | 0.00000 | 602892.1 | 292930.9 | 0.0 | S |
| 31.350 | 0.0000 | 0.0000 | 84.024 | 0.96632 | 0.00000 | 602892.1 | 292959.9 | 0.0 | S |
| 31.358 | 0.0000 | 0.0000 | 84.024 | 0.96597 | 0.00000 | 602892.1 | 292988.8 | 0.0 | S |
| 31.367 | 0.0000 | 0.0000 | 84.023 | 0.96562 | 0.00000 | 602892.1 | 293017.8 | 0.0 | S |
| 31.375 | 0.0000 | 0.0000 | 84.023 | 0.96527 | 0.00000 | 602892.1 | 293046.8 | 0.0 | S |
| 31.383 | 0.0000 | 0.0000 | 84.022 | 0.96492 | 0.00000 | 602892.1 | 293075.8 | 0.0 | S |
| 31.392 | 0.0000 | 0.0000 | 84.022 | 0.96458 | 0.00000 | 602892.1 | 293104.7 | 0.0 | S |
| 31.400 | 0.0000 | 0.0000 | 84.022 | 0.96423 | 0.00000 | 602892.1 | 293133.6 | 0.0 | S |
| 31.408 | 0.0000 | 0.0000 | 84.021 | 0.96388 | 0.00000 | 602892.1 | 293162.5 | 0.0 | S |
| 31.417 | 0.0000 | 0.0000 | 84.021 | 0.96353 | 0.00000 | 602892.1 | 293191.4 | 0.0 | S |
| 31.425 | 0.0000 | 0.0000 | 84.020 | 0.96319 | 0.00000 | 602892.1 | 293220.3 | 0.0 | S |
| 31.433 | 0.0000 | 0.0000 | 84.020 | 0.96284 | 0.00000 | 602892.1 | 293249.3 | 0.0 | S |
| 31.442 | 0.0000 | 0.0000 | 84.020 | 0.96250 | 0.00000 | 602892.1 | 293278.1 | 0.0 | S |

# PONDS Version 3.2.0207 <br> Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E. 

Detailed Results (cont,d.)
$\because$ Scenario 1
$\because$ pond 9
9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (fv/day) | Stage Elevation ( ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $f^{3} / \mathrm{s}$ ) | Cumulative inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative <br> Discharge <br> Volume (ft ${ }^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 31.450 | 0.0000 | 0.0000 | 84.019 | 0.96215 | 0.00000 | 602892.1 | 293307.0 | 0.0 | S |
| 31.458 | 0.0000 | 0.0000 | 84.019 | 0.96181 | 0.00000 | 602892.1 | 293335.8 | 0.0 | S |
| 31.467 | 0.0000 | 0.0000 | 84.018 | 0.96146 | 0.00000 | 602892.1 | 293364.7 | 0.0 | S |
| 31.475 | 0.0000 | 0.0000 | 84.018 | 0.96112 | 0.00000 | 602892.1 | 293393.5 | 0.0 | S |
| 31.483 | 0.0000 | 0.0000 | 84.018 | 0.96077 | 0.00000 | 602892.1 | 293422.4 | 0.0 | S |
| 31.492 | 0.0000 | 0.0000 | 84.017 | 0.96043 | 0.00000 | 602892.1 | 293451.2 | 0.0 | S |
| 31.500 | 0.0000 | 0.0000 | 84.017 | 0.96008 | 0.00000 | 602892.1 | 293480.0 | 0.0 | S |
| 31.508 | 0.0000 | 0.0000 | 84.016 | 0.95974 | 0.00000 | 602892.1 | 293508.8 | 0.0 | S |
| 31.517 | 0.0000 | 0.0000 | 84.016 | 0.95940 | 0.00000 | 602892.1 | 293537.6 | 0.0 | S |
| 31.525 | 0.0000 | 0.0000 | 84.015 | 0.95906 | 0.00000 | 602892.1 | 293566.3 | 0.0 | S |
| 31.533 | 0.0000 | 0.0000 | 84.015 | 0.95871 | 0.00000 | 602892.1 | 293595.1 | 0.0 | S |
| 31.542 | 0.0000 | 0.0000 | 84.015 | 0.95837 | 0.00000 | 602892.1 | 293623.9 | 0.0 | S |
| 31.550 | 0.0000 | 0.0000 | 84.014 | 0.95803 | 0.00000 | 602892.1 | 293652.6 | 0.0 | S |
| 31.558 | 0.0000 | 0.0000 | 84.014 | 0.95769 | 0.00000 | 602892.1 | 293681.3 | 0.0 | S |
| 31.567 | 0.0000 | 0.0000 | 84.013 | 0.95735 | 0.00000 | 602892.1 | 293710.1 | 0.0 | S |
| 31.575 | 0.0000 | 0.0000 | 84.013 | 0.95701 | 0.00000 | 602892.1 | 293738.8 | 0.0 | S |
| 31.583 | 0.0000 | 0.0000 | 84.013 | 0.95666 | 0.00000 | 602892.1 | 293767.5 | 0.0 | S |
| 31.592 | 0.0000 | 0.0000 | 84.012 | 0.95632 | 0.00000 | 602892.1 | 293796.2 | 0.0 | S |
| 31.600 | 0.0000 | 0.0000 | 84.012 | 0.95598 | 0.00000 | 602892.1 | 293824.9 | 0.0 | S |
| 31.608 | 0.0000 | 0.0000 | 84.011 | 0.95564 | 0.00000 | 602892.1 | 293853.6 | 0.0 | S |
| 31.617 | 0.0000 | 0.0000 | 84.011 | 0.95531 | 0.00000 | 602892.1 | 293882.2 | 0.0 | S |
| 31.625 | 0.0000 | 0.0000 | 84.011 | 0.95497 | 0.00000 | 602892.1 | 293910.9 | 0.0 | S |
| 31.633 | 0.0000 | 0.0000 | 84.010 | 0.95463 | 0.00000 | 602892.1 | 293939.5 | 0.0 | S |
| 31.642 | 0.0000 | 0.0000 | 84.010 | 0.95429 | 0.00000 | 602892.1 | 293968.2 | 0.0 | S |
| 31.650 | 0.0000 | 0.0000 | 84.009 | 0.95395 | 0.00000 | 602892.1 | 293996.8 | 0.0 | S |
| 31.658 | 0.0000 | 0.0000 | 84.009 | 0.95361 | 0.00000 | 602892.1 | 294025.4 | 0.0 | S |
| 31.667 | 0.0000 | 0.0000 | 84.008 | 0.95327 | 0.00000 | 602892.1 | 294054.0 | 0.0 | S |
| 31.675 | 0.0000 | 0.0000 | 84.008 | 0.95294 | 0.00000 | 602892.1 | 294082.6 | 0.0 | S |
| 31.683 | 0.0000 | 0.0000 | 84.008 | 0.95260 | 0.00000 | 602892.1 | 294111.2 | 0.0 | S |
| 31.692 | 0.0000 | 0.0000 | 84.007 | 0.95226 | 0.00000 | 602892.1 | 294139.8 | 0.0 | S |
| 31.700 | 0.0000 | 0.0000 | 84.007 | 0.95193 | 0.00000 | 602892.1 | 294168.3 | 0.0 | S |
| 31.708 | 0.0000 | 0.0000 | 84.006 | 0.95159 | 0.00000 | 602892.1 | 294196.8 | 0.0 | S |
| 31.717 | 0.0000 | 0.0000 | 84.006 | 0.95125 | 0.00000 | 602892.1 | 294225.4 | 0.0 | S |
| 31.725 | 0.0000 | 0.0000 | 84.006 | 0.95092 | 0.00000 | 602892.1 | 294253.9 | 0.0 | S |
| 31.733 | 0.0000 | 0.0000 | 84.005 | 0.95058 | 0.00000 | 602892.1 | 294282.4 | 0.0 | S |
| 31.742 | 0.0000 | 0.0000 | 84.005 | 0.95025 | 0.00000 | 602892.1 | 294311.0 | 0.0 | S |
| 31.750 | 0.0000 | 0.0000 | 84.004 | 0.94991 | 0.00000 | 602892.1 | 294339.5 | 0.0 | S |
| 31.758 | 0.0000 | 0.0000 | 84.004 | 0.94958 | 0.00000 | 602892.1 | 294368.0 | 0.0 | S |
| 31.767 | 0.0000 | 0.0000 | 84.004 | 0.94924 | 0.00000 | 602892.1 | 294396.4 | 0.0 | S |
| 31.775 | 0.0000 | 0.0000 | 84.003 | 0.94891 | 0.00000 | 602892.1 | 294424.9 | 0.0 | S |
| 31.783 | 0.0000 | 0.0000 | 84.003 | 0.94858 | 0.00000 | 602892.1 | 294453.4 | 0.0 | S |
| 31.792 | 0.0000 | 0.0000 | 84.002 | 0.94824 | 0.00000 | 602892.1 | 294481.8 | 0.0 | S |
| 31.800 | 0.0000 | 0.0000 | 84.002 | 0.94791 | 0.00000 | 602892.1 | 294510.3 | 0.0 | S |
| 31.808 | 0.0000 | 0.0000 | 84.002 | 0.94758 | 0.00000 | 602892.1 | 294538.7 | 0.0 | S |
| 31.817 | 0.0000 | 0.0000 | 84.001 | 0.94724 | 0.00000 | 602892.1 | 294567.1 | 0.0 | S |
| 31.825 | 0.0000 | 0.0000 | 84.001 | 0.94691 | 0.00000 | 602892.1 | 294595.5 | 0.0 | S |
| 31.833 | 0.0000 | 0.0000 | 84.000 | 0.94658 | 0.00000 | 602892.1 | 294623.9 | 0.0 | S |
| 31.842 | 0.0000 | 0.0000 | 84.000 | 0.94625 | 0.00000 | 602892.1 | 294652.3 | 0.0 | S |
| 31.850 | 0.0000 | 0.0000 | 84.000 | 0.94592 | 0.00000 | 602892.1 | 294680.7 | 0.0 | S |
| 31.858 | 0.0000 | 0.0000 | 83.999 | 0.94559 | 0.00000 | 602892.1 | 294709.1 | 0.0 | S |
| 31.867 | 0.0000 | 0.0000 | 83.999 | 0.94526 | 0.00000 | 602892.1 | 294737.4 | 0.0 | S |
| 31.875 | 0.0000 | 0.0000 | 83.998 | 0.94493 | 0.00000 | 602892.1 | 294765.8 | 0.0 | S |
| 31.883 | 0.0000 | 0.0000 | 83.998 | 0.94459 | 0.00000 | 602892.1 | 294794.2 | 0.0 | S |
| 31.892 | 0.0000 | 0.0000 | 83.997 | 0.94426 | 0.00000 | 602892.1 | 294822.5 | 0.0 | S |
| 31.900 | 0.0000 | 0.0000 | 83.997 | 0.94394 | 0.00000 | 602892.1 | 294850.8 | 0.0 | S |
| 31.908 | 0.0000 | 0.0000 | 83.997 | 0.94361 | 0.00000 | 602892.1 | 294879.1 | 0.0 | S |
| 31.917 | 0.0000 | 0.0000 | 83.996 | 0.94328 | 0.00000 | 602892.1 | 294907.4 | 0.0 | S |
| 31.925 | 0.0000 | 0.0000 | 83.996 | 0.94295 | 0.00000 | 602892.1 | 294935.7 | 0.0 | S |
| 31.933 | 0.0000 | 0.0000 | 83.995 | 0.94262 | 0.00000 | 602892.1 | 294964.0 | 0.0 | S |
| 31.942 | 0.0000 | 0.0000 | 83.995 | 0.94229 | 0.00000 | 602892.1 | 294992.3 | 0.0 | S |
| 31.950 | 0.0000 | 0.0000 | 83.995 | 0.94196 | 0.00000 | 602892.1 | 295020.5 | 0.0 | S |
| 31.958 | 0.0000 | 0.0000 | 83.994 | 0.94163 | 0.00000 | 602892.1 | 295048.8 | 0.0 | S |
| 31.967 | 0.0000 | 0.0000 | 83.994 | 0.94131 | 0.00000 | 602892.1 | 295077.0 | 0.0 | S |
| 31.975 | 0.0000 | 0.0000 | 83.993 | 0.94098 | 0.00000 | 602892.1 | 295105.3 | 0.0 | S |
| 31.983 | 0.0000 | 0.0000 | 83.993 | 0.94065 | 0.00000 | 602892.1 | 295133.5 | 0.0 | S |
| 31.992 | 0.0000 | 0.0000 | 83.993 | 0.94033 | 0.00000 | 602892.1 | 295161.7 | 0.0 | S |
| 32.000 | 0.0000 | 0.0000 | 83.992 | 0.94000 | 0.00000 | 602892.1 | 295189.9 | 0.0 | S |
| 32.008 | 0.0000 | 0.0000 | 83.992 | 0.93967 | 0.00000 | 602892.1 | 295218.1 | 0.0 | S |
| 32.017 | 0.0000 | 0.0000 | 83.991 | 0.93935 | 0.00000 | 602892.1 | 295246.3 | 0.0 | S |
| 32.025 | 0.0000 | 0.0000 | 83.991 | 0.93802 | 0.00000 | 602892.1 | 295274.5 | 0.0 | S |
| 32.033 | 0.0000 | 0.0000 | 83.991 | 0.93870 | 0.00000 | 602892.1 | 295302.6 | 0.0 | S |
| 32.042 | 0.0000 | 0.0000 | 83.990 | 0.93837 | 0.00000 | 602892.1 | 295330.8 | 0.0 | S |
| 32.050 | 0.0000 | 0.0000 | 83.990 | 0.93805 | 0.00000 | 602892.1 | 295358.9 | 0.0 | S |
| 32.058 | 0.0000 | 0.0000 | 83.989 | 0.93772 | 0.00000 | 602892.1 | 295387.1 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year $/ 24$ hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 /} / \mathrm{s}$ ) | Outside Recharge (fl/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{t}^{3 / 3}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32.067 | 0.0000 | 0.0000 | 83.989 | 0.93740 | 0.00000 | 602892.1 | 295415.2 | 0.0 | S |
| 32.075 | 0.0000 | 0.0000 | 83.989 | 0.93707 | 0.00000 | 602892.1 | 295443.3 | 0.0 | S |
| 32.083 | 0.0000 | 0.0000 | 83.988 | 0.93675 | 0.00000 | 602892.1 | 295471.4 | 0.0 | S |
| 32.092 | 0.0000 | 0.0000 | 83.988 | 0.93643 | 0.00000 | 602892.1 | 295499.5 | 0.0 | S |
| 32.100 | 0.0000 | 0.0000 | 83.987 | 0.93610 | 0.00000 | 602892.1 | 295527.6 | 0.0 | S |
| 32.108 | 0.0000 | 0.0000 | 83.987 | 0.93578 | 0.00000 | 602892.1 | 295555.7 | 0.0 | S |
| 32.117 | 0.0000 | 0.0000 | 83.987 | 0.93546 | 0.00000 | 602892.1 | 295583.8 | 0.0 | S |
| 32.125 | 0.0000 | 0.0000 | 83.986 | 0.93514 | 0.00000 | 602882.1 | 295611.8 | 0.0 | S |
| 32.133 | 0.0000 | 0.0000 | 83.986 | 0.93481 | 0.00000 | 602882.1 | 295639.9 | 0.0 | S |
| 32.142 | 0.0000 | 0.0000 | 83.985 | 0.93449 | 0.00000 | 602892.1 | 295667.9 | 0.0 | S |
| 32.150 | 0.0000 | 0.0000 | 83.985 | 0.93417 | 0.00000 | 602892.1 | 295695.9 | 0.0 | S |
| 32.158 | 0.0000 | 0.0000 | 83.985 | 0.93385 | 0.00000 | 602892.1 | 295723.9 | 0.0 | S |
| 32.167 | 0.0000 | 0.0000 | 83.984 | 0.93353 | 0.00000 | 602892.1 | 295752.0 | 0.0 | S |
| 32.175 | 0.0000 | 0.0000 | 83.984 | 0.93321 | 0.00000 | 602892.1 | 295780.0 | 0.0 | S |
| 32.183 | 0.0000 | 0.0000 | 83.983 | 0.93289 | 0.00000 | 602892.1 | 295808.0 | 0.0 | S |
| 32.192 | 0.0000 | 0.0000 | 83.983 | 0.93257 | 0.00000 | 602892.1 | 295835.9 | 0.0 | S |
| 32.200 | 0.0000 | 0.0000 | 83.983 | 0.93225 | 0.00000 | 602892.1 | 295863.9 | 0.0 | S |
| 32.208 | 0.0000 | 0.0000 | 83.982 | 0.93193 | 0.00000 | 602892.1 | 295891.9 | 0.0 | S |
| 32.217 | 0.0000 | 0.0000 | 83.982 | 0.93161 | 0.00000 | 602892.1 | 295919.8 | 0.0 | S |
| 32.225 | 0.0000 | 0.0000 | 83,981 | 0.93129 | 0.00000 | 602892.1 | 295947.8 | 0.0 | S |
| 32.233 | 0.0000 | 0.0000 | 83.981 | 0.93097 | 0.00000 | 602892.1 | 295975.7 | 0.0 | S |
| 32.242 | 0.0000 | 0.0000 | 83.981 | 0.93065 | 0.00000 | 602892.1 | 296003.6 | 0.0 | S |
| 32.250 | 0.0000 | 0.0000 | 83.980 | 0.93033 | 0.00000 | 602892.1 | 296031.5 | 0.0 | S |
| 32.258 | 0.0000 | 0.0000 | 83.980 | 0.93002 | 0.00000 | 602892.1 | 296059.4 | 0.0 | S |
| 32.267 | 0.0000 | 0.0000 | 83.979 | 0.92970 | 0.00000 | 602892.1 | 296087.3 | 0.0 | S |
| 32.275 | 0.0000 | 0.0000 | 83.979 | 0.92938 | 0.00000 | 602892.1 | 296115.2 | 0.0 | S |
| 32.283 | 0.0000 | 0.0000 | 83.979 | 0.92906 | 0.00000 | 602892.1 | 296143.1 | 0.0 | S |
| 32.292 | 0.0000 | 0.0000 | 83.978 | 0.92875 | 0.00000 | 602892.1 | 296171.0 | 0.0 | S |
| 32.300 | 0.0000 | 0.0000 | 83.978 | 0.92843 | 0.00000 | 602892.1 | 296198.8 | 0.0 | S |
| 32.308 | 0.0000 | 0.0000 | 83.977 | 0.92811 | 0.00000 | 602892.1 | 296226.7 | 0.0 | S |
| 32.317 | 0.0000 | 0.0000 | 83.977 | 0.92780 | 0.00000 | 602892.1 | 296254.5 | 0.0 | S |
| 32.325 | 0.0000 | 0.0000 | 83.977 | 0.92748 | 0.00000 | 602892.1 | 296282.3 | 0.0 | S |
| 32.333 | 0.0000 | 0.0000 | 83.976 | 0.92717 | 0.00000 | 602892.1 | 296310.2 | 0.0 | S |
| 32.342 | 0.0000 | 0.0000 | 83.976 | 0.92685 | 0.00000 | 602892.1 | 296338.0 | 0.0 | S |
| 32.350 | 0.0000 | 0.0000 | 83.975 | 0.92653 | 0.00000 | 602892.1 | 296365.8 | 0.0 | S |
| 32.358 | 0.0000 | 0.0000 | 83.975 | 0.92622 | 0.00000 | 602892.1 | 296393.6 | 0.0 | S |
| 32.367 | 0.0000 | 0.0000 | 83.975 | 0.92591 | 0.00000 | 602892.1 | 296421.3 | 0.0 | S |
| 32.375 | 0.0000 | 0.0000 | 83.974 | 0.92559 | 0.00000 | 602892.1 | 296449.7 | 0.0 | S |
| 32.383 | 0.0000 | 0.0000 | 83.974 | 0.92528 | 0.00000 | 602892.1 | 296476.9 | 0.0 | S |
| 32.392 | 0.0000 | 0.0000 | 83.973 | 0.92496 | 0.00000 | 602892.1 | 296504.6 | 0.0 | S |
| 32.400 | 0.0000 | 0.0000 | 83.973 | 0.92465 | 0.00000 | 602892.1 | 296532.4 | 0.0 | S |
| 32.408 | 0.0000 | 0.0000 | 83.973 | 0.92434 | 0.00000 | 602892.1 | 296560.1 | 0.0 | S |
| 32.417 | 0.0000 | 0.0000 | 83.972 | 0.92402 | 0.00000 | 602892.1 | 296587.8 | 0.0 | S |
| 32.425 | 0.0000 | 0.0000 | 83.972 | 0.92371 | 0.00000 | 602892.1 | 296615.6 | 0.0 | S |
| 32.433 | 0.0000 | 0.0000 | 83.971 | 0.92340 | 0.00000 | 602892.1 | 296643.3 | 0.0 | S |
| 32.442 | 0.0000 | 0.0000 | 83.971 | 0.92309 | 0.00000 | 602892.1 | 296671.0 | 0.0 | S |
| 32.450 | 0.0000 | 0.0000 | 83.971 | 0.92277 | 0.00000 | 602892.1 | 296698.7 | 0.0 | S |
| 32.458 | 0.0000 | 0.0000 | 83.970 | 0.92246 | 0.00000 | 602892.1 | 296726.3 | 0.0 | S |
| 32.467 | 0.0000 | 0.0000 | 83.970 | 0.92215 | 0.00000 | 602892.1 | 296754.0 | 0.0 | S |
| 32.475 | 0.0000 | 0.0000 | 83.969 | 0.92184 | 0.00000 | 602892.1 | 296781.7 | 0.0 | S |
| 32.483 | 0.0000 | 0.0000 | 83.969 | 0.92153 | 0.00000 | 602892.1 | 296809.3 | 0.0 | S |
| 32.492 | 0.0000 | 0.0000 | 83.969 | 0.92122 | 0.00000 | 602892.1 | 296836.9 | 0.0 | S |
| 32.500 | 0.0000 | 0.0000 | 83.968 | 0.92091 | 0.00000 | 602892.1 | 296864.6 | 0.0 | S |
| 32.508 | 0.0000 | 0.0000 | 83.968 | 0.92060 | 0.00000 | 602892.1 | 296892.2 | 0.0 | S |
| 32.517 | 0.0000 | 0.0000 | 83.967 | 0.92029 | 0.00000 | 602892.1 | 296919.8 | 0.0 | S |
| 32.525 | 0.0000 | 0.0000 | 83.967 | 0.91998 | 0.00000 | 602892.1 | 296947.4 | 0.0 | S |
| 32.533 | 0.0000 | 0.0000 | 83.967 | 0.91967 | 0.00000 | 602892.1 | 296975.0 | 0.0 | S |
| 32.542 | 0.0000 | 0.0000 | 83.966 | 0.91936 | 0.00000 | 602892.1 | 297002.6 | 0.0 | S |
| 32.550 | 0.0000 | 0.0000 | 83.966 | 0.91905 | 0.00000 | 602892.1 | 297030.2 | 0.0 | S |
| 32.558 | 0.0000 | 0.0000 | 83.965 | 0.91874 | 0.00000 | 602892.1 | 297057.8 | 0.0 | S |
| 32.567 | 0.0000 | 0.0000 | 83.965 | 0.91843 | 0.00000 | 602892.1 | 297085.3 | 0.0 | S |
| 32.575 | 0.0000 | 0.0000 | 83.965 | 0.91812 | 0.00000 | 602892.1 | 297112.8 | 0.0 | S |
| 32.583 | 0.0000 | 0.0000 | 83.964 | 0.91781 | 0.00000 | 602892.1 | 297140.4 | 0.0 | S |
| 32.592 | 0.0000 | 0.0000 | 83.964 | 0.91751 | 0.00000 | 602892.1 | 297167.9 | 0.0 | S |
| 32.600 | 0.0000 | 0.0000 | 83.963 | 0.91720 | 0.00000 | 602892.1 | 297195.4 | 0.0 | S |
| 32.608 | 0.0000 | 0.0000 | 83.963 | 0.91689 | 0.00000 | 602892.1 | 297222.9 | 0.0 | S |
| 32.617 | 0.0000 | 0.0000 | 83.963 | 0.91658 | 0.00000 | 602892.1 | 297250.4 | 0.0 | S |
| 32.625 | 0.0000 | 0.0000 | 83.962 | 0.91628 | 0.00000 | 602892.1 | 297277.9 | 0.0 | S |
| 32.633 | 0.0000 | 0.0000 | 83.962 | 0.91597 | 0.00000 | 602892.1 | 297305.4 | 0.0 | S |
| 32.642 | 0.0000 | 0.0000 | 83.961 | 0.91566 | 0.00000 | 602892.1 | 297332.9 | 0.0 | S |
| 32.650 | 0.0000 | 0.0000 | 83.961 | 0.91536 | 0.00000 | 602892.1 | 297360.4 | 0.0 | S |
| 32.658 | 0.0000 | 0.0000 | 83.961 | 0.91505 | 0.00000 | 602892.1 | 297387.8 | 0.0 | S |
| 32.667 | 0.0000 | 0.0000 | 83.960 | 0.91475 | 0.00000 | 602892.1 | 297415.3 | 0.0 | S |
| 32.675 | 0.0000 | 0.0000 | 83.960 | 0.91444 | 0.00000 | 602892.1 | 297442.7 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (fl/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{Ft}^{3 / \mathrm{s}}$ ) | Overlow Discharge ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32.683 | 0.0000 | 0.0000 | 83.959 | 0.91414 | 0.00000 | 602892.1 | 297470.1 | 0.0 | S |
| 32.692 | 0.0000 | 0.0000 | 83.959 | 0.91383 | 0.00000 | 602892.1 | 297497.6 | 0.0 | S |
| 32.700 | 0.0000 | 0.0000 | 83.959 | 0,91353 | 0.00000 | 602892.1 | 297525.0 | 0.0 | S |
| 32.708 | 0.0000 | 0.0000 | 83.958 | 0.91322 | 0.00000 | 602892.1 | 297552.4 | 0.0 | S |
| 32.717 | 0.0000 | 0.0000 | 83.958 | 0,91292 | 0.00000 | 602892.1 | 297579.8 | 0.0 | S |
| 32.725 | 0.0000 | 0.0000 | 83.958 | 0.91262 | 0.00000 | 602892.1 | 297607.2 | 0.0 | S |
| 32.733 | 0.0000 | 0.0000 | 83.957 | 0.91231 | 0.00000 | 602892.1 | 297634.5 | 0.0 | S |
| 32.742 | 0.0000 | 0.0000 | 83.957 | 0.91201 | 0.00000 | 602892.1 | 297661.9 | 0.0 | S |
| 32.750 | 0.0000 | 0.0000 | 83.956 | 0.91171 | 0.00000 | 602892.1 | 297689.3 | 0.0 | S |
| 32.758 | 0.0000 | 0.0000 | 83.956 | 0.91140 | 0.00000 | 602892.1 | 297716.6 | 0.0 | S |
| 32.767 | 0.0000 | 0.0000 | 83.956 | 0.91110 | 0.00000 | 602892.1 | 297743.9 | 0.0 | S |
| 32.775 | 0.0000 | 0.0000 | 83.955 | 0.91080 | 0.00000 | 602892.1 | 297771.3 | 0.0 | S |
| 32.783 | 0.0000 | 0.0000 | 83.955 | 0.91050 | 0.00000 | 602892.1 | 297798.6 | 0.0 | S |
| 32.792 | 0.0000 | 0.0000 | 83.954 | 0.91019 | 0.00000 | 602892.1 | 297825.9 | 0.0 | S |
| 32.800 | 0.0000 | 0.0000 | 83.954 | 0.90989 | 0.00000 | 602892.1 | 297853.2 | 0.0 | S |
| 32.808 | 0.0000 | 0.0000 | 83.954 | 0.90959 | 0.00000 | 602892.1 | 297880.5 | 0.0 | S |
| 32.817 | 0.0000 | 0.0000 | 83.953 | 0.90929 | 0.00000 | 602892.1 | 297907.8 | 0.0 | S |
| 32.825 | 0.0000 | 0.0000 | 83.953 | 0.90899 | 0.00000 | 602892.1 | 297935.0 | 0.0 | S |
| 32.833 | 0.0000 | 0.0000 | 83.952 | 0.90869 | 0.00000 | 602892.1 | 297962.3 | 0.0 | S |
| 32,842 | 0.0000 | 0.0000 | 83.952 | 0.90839 | 0.00000 | 602892.1 | 297989.6 | 0.0 | S |
| 32.850 | 0.0000 | 0.0000 | 83.952 | 0.90809 | 0.00000 | 602892.1 | 298016.8 | 0.0 | S |
| 32.858 | 0.0000 | 0.0000 | 83.951 | 0.90779 | 0.00000 | 602892.1 | 298044.0 | 0.0 | S |
| 32.867 | 0.0000 | 0.0000 | 83.951 | 0.90749 | 0.00000 | 602892.1 | 298071.3 | 0.0 | S |
| 32.875 | 0.0000 | 0.0000 | 83.950 | 0.90719 | 0.00000 | 602892.1 | 298098.5 | 0.0 | S |
| 32.883 | 0.0000 | 0.0000 | 83.950 | 0.90689 | 0.00000 | 602892.1 | 298125.7 | 0.0 | S |
| 32.892 | 0.0000 | 0.0000 | 83.950 | 0.90659 | 0.00000 | 602892.1 | 298152.9 | 0.0 | S |
| 32.900 | 0.0000 | 0.0000 | 83.949 | 0.90629 | 0.00000 | 602892.1 | 298180.1 | 0.0 | S |
| 32.908 | 0.0000 | 0.0000 | 83.949 | 0.90599 | 0.00000 | 602892.1 | 298207.3 | 0.0 | S |
| 32.917 | 0.0000 | 0.0000 | 83.948 | 0.90569 | 0.00000 | 602892.1 | 298234.5 | 0.0 | S |
| 32.925 | 0.0000 | 0.0000 | 83.948 | 0.90540 | 0.00000 | 602892.1 | 298261.6 | 0.0 | S |
| 32.933 | 0.0000 | 0.0000 | 83.948 | 0.90510 | 0.00000 | 602892.1 | 298288.8 | 0.0 | S |
| 32.942 | 0.0000 | 0.0000 | 83.947 | 0.90480 | 0.00000 | 602892.1 | 298315.9 | 0.0 | S |
| 32.950 | 0.0000 | 0.0000 | 83.947 | 0.90450 | 0.00000 | 602892.1 | 298343.1 | 0.0 | S |
| 32.958 | 0.0000 | 0.0000 | 83.947 | 0.90421 | 0.00000 | 602892.1 | 298370.2 | 0.0 | S |
| 32.967 | 0.0000 | 0.0000 | 83.946 | 0.90391 | 0.00000 | 602892.1 | 298397.3 | 0.0 | S |
| 32.975 | 0.0000 | 0.0000 | 83.946 | 0.90361 | 0.00000 | 602892.1 | 298424.4 | 0.0 | S |
| 32.983 | 0.0000 | 0.0000 | 83.945 | 0.90332 | 0.00000 | 602892.1 | 298451.5 | 0.0 | S |
| 32.992 | 0.0000 | 0.0000 | 83.945 | 0.90302 | 0.00000 | 602892.1 | 298478.6 | 0.0 | S |
| 33.000 | 0.0000 | 0.0000 | 83.945 | 0.90272 | 0.00000 | 602892.1 | 298505.7 | 0.0 | S |
| 33.008 | 0.0000 | 0.0000 | 83.944 | 0.90243 | 0.00000 | 602892.1 | 298532.8 | 0.0 | S |
| 33.017 | 0.0000 | 0.0000 | 83.944 | 0.90213 | 0.00000 | 602892.1 | 298559.9 | 0.0 | S |
| 33.025 | 0.0000 | 0.0000 | 83.943 | 0.90184 | 0.00000 | 602892.7 | 298586.9 | 0.0 | S |
| 33.033 | 0.0000 | 0.0000 | 83.943 | 0.90154 | 0.00000 | 602892.1 | 298614.0 | 0.0 | S |
| 33.042 | 0.0000 | 0.0000 | 83.943 | 0.90125 | 0.00000 | 602892.1 | 298641.0 | 0.0 | S |
| 33.050 | 0.0000 | 0.0000 | 83.942 | 0.90095 | 0.00000 | 602892.1 | 298668.0 | 0.0 | S |
| 33.058 | 0.0000 | 0.0000 | 83.942 | 0.90066 | 0.00000 | 602892.1 | 298695.1 | 0.0 | S |
| 33.067 | 0.0000 | 0.0000 | 83.941 | 0.90036 | 0.00000 | 602892.1 | 298722.1 | 0.0 | S |
| 33.075 | 0.0000 | 0.0000 | 83.941 | 0.90007 | 0.00000 | 602892.1 | 298749.1 | 0.0 | S |
| 33.083 | 0.0000 | 0.0000 | 83.941 | 0.89978 | 0.00000 | 602892.1 | 298776.1 | 0.0 | S |
| 33.092 | 0.0000 | 0.0000 | 83.940 | 0.89948 | 0.00000 | 602892.1 | 298803.1 | 0.0 | S |
| 33.100 | 0.0000 | 0.0000 | 83.940 | 0.89919 | 0.00000 | 602892.1 | 298830.1 | 0.0 | S |
| 33.108 | 0.0000 | 0.0000 | 83.940 | 0.89890 | 0.00000 | 602892.1 | 298857.0 | 0.0 | S |
| 33.117 | 0.0000 | 0.0000 | 83.939 | 0.89860 | 0.00000 | 602892.1 | 298884.0 | 0.0 | S |
| 33.125 | 0.0000 | 0.0000 | 83.939 | 0.89831 | 0.00000 | 602892.1 | 298910.9 | 0.0 | S |
| 33.133 | 0.0000 | 0.0000 | 83.938 | 0.89802 | 0.00000 | 602892.1 | 298937.9 | 0.0 | S |
| 33.142 | 0.0000 | 0.0000 | 83.938 | 0.89773 | 0.00000 | 602892.1 | 298964.8 | 0.0 | S |
| 33,150 | 0.0000 | 0.0000 | 83.938 | 0.89744 | 0.00000 | 602892.1 | 298991.8 | 0.0 | S |
| 33.158 | 0.0000 | 0.0000 | 83.937 | 0.89714 | 0.00000 | 602892.1 | 299018.7 | 0.0 | S |
| 33.167 | 0.0000 | 0.0000 | 83.937 | 0.89685 | 0.00000 | 602892.1 | 299045.6 | 0.0 | S |
| 33.175 | 0.0000 | 0.0000 | 83.936 | 0.89656 | 0.00000 | 602892.1 | 299072.5 | 0.0 | S |
| 33.183 | 0.0000 | 0.0000 | 83.936 | 0.89627 | 0.00000 | 602892.1 | 299099.4 | 0.0 | S |
| 33.192 | 0.0000 | 0.0000 | 83.936 | 0.89598 | 0.00000 | 602892.1 | 299126.3 | 0.0 | S |
| 33.200 | 0.0000 | 0.0000 | 83.935 | 0.89569 | 0.00000 | 602892.1 | 299153.1 | 0.0 | S |
| 33.208 | 0.0000 | 0.0000 | 83.935 | 0.89540 | 0.00000 | 602892.1 | 299180.0 | 0.0 | S |
| 33.217 | 0.0000 | 0.0000 | 83.934 | 0.89511 | 0.00000 | 602892.1 | 299206.9 | 0.0 | S |
| 33.225 | 0.0000 | 0.0000 | 83.934 | 0.89482 | 0.00000 | 602892.1 | 299233.7 | 0.0 | S |
| 33.233 | 0.0000 | 0.0000 | 83.934 | 0.89453 | 0.00000 | 602892.1 | 299260.6 | 0.0 | S |
| 33.242 | 0.0000 | 0.0000 | 83.933 | 0.89424 | 0.00000 | 602892.1 | 299287.4 | 0.0 | S |
| 33.250 | 0.0000 | 0.0000 | 83.933 | 0.89395 | 0.00000 | 602892.1 | 299314.2 | 0.0 | S |
| 33.258 | 0.0000 | 0.0000 | 83.933 | 0.89366 | 0.00000 | 602892.1 | 299341.0 | 0.0 | S |
| 33.267 | 0.0000 | 0.0000 | 83.932 | 0.89337 | 0.00000 | 602892.1 | 299367.8 | 0.0 | S |
| 33.275 | 0.0000 | 0.0000 | 83.932 | 0.89309 | 0.00000 | 602892.1 | 299394.6 | 0.0 | S |
| 33.283 | 0.0000 | 0.0000 | 83.931 | 0.89280 | 0.00000 | 602892.1 | 299421.4 | 0.0 | S |
| 33.292 | 0.0000 | 0.0000 | 83.931 | 0.89251 | 0.00000 | 602892.1 | 299448.2 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / 5}$ ) | Outside Recharge (ffday) | Stage Elevation (ft datum) | Infiltration Rate $\left(\mathrm{ft}^{3 /} \mathrm{s}\right)$ | Overtiow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Infiow <br> Vofume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 33.300 | 0.0000 | 0.0000 | 83.931 | 0.89222 | 0.00000 | 602892.1 | 299475.0 | 0.0 | S |
| 33.308 | 0.0000 | 0.0000 | 83.930 | 0.89193 | 0.00000 | 602892.1 | 299501.7 | 0.0 | S |
| 33.317 | 0.0000 | 0.0000 | 83.930 | 0.89165 | 0.00000 | 602892.1 | 299528.5 | 0.0 | S |
| 33.325 | 0.0000 | 0.0000 | 83.929 | 0.89136 | 0.00000 | 602892.1 | 299555.2 | 0.0 | S |
| 33.333 | 0.0000 | 0.0000 | 83.929 | 0.89107 | 0.00000 | 602892.1 | 299582.0 | 0.0 | S |
| 33.342 | 0.0000 | 0.0000 | 83.929 | 0.89079 | 0.00000 | 602892.1 | 299608.7 | 0.0 | S |
| 33.350 | 0.0000 | 0.0000 | 83.928 | 0.89050 | 0.00000 | 602892.1 | 299635.4 | 0.0 | S |
| 33.358 | 0.0000 | 0.0000 | 83.928 | 0.89021 | 0.00000 | 602892.1 | 299662.1 | 0.0 | S |
| 33.367 | 0.0000 | 0.0000 | 83.928 | 0.88993 | 0.00000 | 602892.1 | 299688.8 | 0.0 | S |
| 33.375 | 0.0000 | 0.0000 | 83.927 | 0.88964 | 0.00000 | 602892.1 | 299715.5 | 0.0 | S |
| 33.383 | 0.0000 | 0.0000 | 83.927 | 0.88936 | 0.00000 | 602892.1 | 299742.2 | 0.0 | S |
| 33.392 | 0.0000 | 0.0000 | 83.926 | 0.88907 | 0.00000 | 602892.1 | 299768.9 | 0.0 | S |
| 33.400 | 0.0000 | 0.0000 | 83.926 | 0.88879 | 0.00000 | 602892.1 | 299795.5 | 0.0 | S |
| 33.408 | 0.0000 | 0.0000 | 83.926 | 0.88850 | 0.00000 | 602892.1 | 299822.2 | 0.0 | S |
| 33.417 | 0.0000 | 0.0000 | 83.925 | 0.88822 | 0.00000 | 602892.1 | 299848.8 | 0.0 | S |
| 33.425 | 0.0000 | 0.0000 | 83.925 | 0.88793 | 0.00000 | 602892.1 | 299875.5 | 0.0 | S |
| 33.433 | 0.0000 | 0.0000 | 83.924 | 0.88765 | 0.00000 | 602892.1 | 299902.1 | 0.0 | S |
| 33.442 | 0.0000 | 0.0000 | 83.924 | 0.88736 | 0.00000 | 602892.1 | 299928.8 | 0.0 | S |
| 33.450 | 0.0000 | 0.0000 | 83.924 | 0.88708 | 0.00000 | 602892.1 | 299955.4 | 0.0 | S |
| 33.458 | 0.0000 | 0.0000 | 83.923 | 0.88680 | 0.00000 | 602892.1 | 299982.0 | 0.0 | S |
| 33.467 | 0.0000 | 0.0000 | 83.923 | 0.88651 | 0.00000 | 602892.1 | 300008.6 | 0.0 | S |
| 33.475 | 0.0000 | 0.0000 | 83.923 | 0.88623 | 0.00000 | 602892.1 | 300035.2 | 0.0 | S |
| 33.483 | 0.0000 | 0.0000 | 83.922 | 0.88595 | 0.00000 | 602892.1 | 300061.8 | 0.0 | S |
| 33.492 | 0.0000 | 0.0000 | 83.922 | 0.88567 | 0.00000 | 602892.1 | 300088.3 | 0.0 | S |
| 33.500 | 0.0000 | 0.0000 | 83.921 | 0.88538 | 0.00000 | 602892.1 | 300114.9 | 0.0 | S |
| 33.508 | 0.0000 | 0.0000 | 83.921 | 0.88510 | 0.00000 | 602892.1 | 300141.4 | 0.0 | S |
| 33.517 | 0.0000 | 0.0000 | 83.921 | 0.88482 | 0.00000 | 602892.1 | 300168.0 | 0.0 | S |
| 33.525 | 0.0000 | 0.0000 | 83.920 | 0.88454 | 0.00000 | 602892.1 | 300194.5 | 0.0 | S |
| 33.533 | 0.0000 | 0.0000 | 83.920 | 0.88426 | 0.00000 | 602892.1 | 300221.1 | 0.0 | S |
| 33.542 | 0.0000 | 0.0000 | 83.919 | 0.88397 | 0.00000 | 602892.1 | 300247.6 | 0.0 | S |
| 33.550 | 0.0000 | 0.0000 | 83.919 | 0.88369 | 0.00000 | 602892.1 | 300274.1 | 0.0 | S |
| 33.558 | 0.0000 | 0.0000 | 83.919 | 0.88341 | 0.00000 | 602892.1 | 300300.6 | 0.0 | S |
| 33.567 | 0.0000 | 0.0000 | 83.918 | 0.88313 | 0.00000 | 602892.1 | 300327.1 | 0.0 | S |
| 33.575 | 0.0000 | 0.0000 | 83.918 | 0.88285 | 0.00000 | 602892.1 | 300353.6 | 0.0 | S |
| 33.583 | 0.0000 | 0.0000 | 83.918 | 0.88257 | 0.00000 | 602892.1 | 300380.1 | 0.0 | S |
| 33.592 | 0.0000 | 0.0000 | 83.917 | 0.88229 | 0.00000 | 602892.1 | 300406.6 | 0.0 | S |
| 33.600 | 0.0000 | 0.0000 | 83.917 | 0.88201 | 0.00000 | 602892.1 | 300433.0 | 0.0 | S |
| 33.608 | 0.0000 | 0.0000 | 83.916 | 0.88173 | 0.00000 | 602892.1 | 300459.5 | 0.0 | S |
| 33.617 | 0.0000 | 0.0000 | 83.916 | 0.88145 | 0.00000 | 602892.1 | 300485.9 | 0.0 | S |
| 33.625 | 0.0000 | 0.0000 | 83.916 | 0.88117 | 0.00000 | 602892.1 | 300512.4 | 0.0 | S |
| 33.633 | 0.0000 | 0.0000 | 83.915 | 0.88089 | 0.00000 | 602892.1 | 300538.8 | 0.0 | S |
| 33.642 | 0.0000 | 0.0000 | 83.915 | 0.88061 | 0.00000 | 602892.1 | 300565.2 | 0.0 | S |
| 33.650 | 0.0000 | 0.0000 | 83.915 | 0.88034 | 0.00000 | 602892.1 | 300591.6 | 0.0 | S |
| 33.658 | 0.0000 | 0.0000 | 83.914 | 0.88006 | 0.00000 | 602892.1 | 300618.0 | 0.0 | S |
| 33.667 | 0.0000 | 0.0000 | 83.914 | 0.87978 | 0.00000 | 602892.1 | 300644.4 | 0.0 | S |
| 33.675 | 0.0000 | 0.0000 | 83.913 | 0.87950 | 0.00000 | 602892.1 | 300670.8 | 0.0 | S |
| 33.683 | 0.0000 | 0.0000 | 83.913 | 0.87922 | 0.00000 | 602892.1 | 300697.2 | 0.0 | S |
| 33.692 | 0.0000 | 0.0000 | 83.913 | 0.87895 | 0.00000 | 602892.1 | 300723.6 | 0.0 | S |
| 33.700 | 0.0000 | 0.0000 | 83.912 | 0.87867 | 0.00000 | 602892.1 | 300749.9 | 0.0 | S |
| 33.708 | 0.0000 | 0.0000 | 83.912 | 0.87839 | 0.00000 | 602892.1 | 300776.3 | 0.0 | S |
| 33.717 | 0.0000 | 0.0000 | 83.911 | 0.87811 | 0.00000 | 602892.1 | 300802.7 | 0.0 | S |
| 33.725 | 0.0000 | 0.0000 | 83.911 | 0.87784 | 0.00000 | 602892.1 | 300829.0 | 0.0 | S |
| 33.733 | 0.0000 | 0.0000 | 83.911 | 0.87756 | 0.00000 | 602892.1 | 300855.3 | 0.0 | S |
| 33.742 | 0.0000 | 0.0000 | 83.910 | 0.87728 | 0.00000 | 602892.1 | 300881.6 | 0.0 | S |
| 33.750 | 0.0000 | 0.0000 | 83.910 | 0.87701 | 0.00000 | 602892.1 | 300907.9 | 0.0 | S |
| 33.758 | 0.0000 | 0.0000 | 83.910 | 0.87673 | 0.00000 | 602892.1 | 300934.3 | 0.0 | S |
| 33.767 | 0.0000 | 0.0000 | 83.909 | 0.87646 | 0.00000 | 602892.1 | 300960.6 | 0.0 | S |
| 33.775 | 0.0000 | 0.0000 | 83.909 | 0.87618 | 0.00000 | 602892.1 | 300986.8 | 0.0 | S |
| 33.783 | 0.0000 | 0.0000 | 83.908 | 0.87591 | 0.00000 | 602892.1 | 301013.1 | 0.0 | S |
| 33.792 | 0.0000 | 0.0000 | 83.908 | 0.87563 | 0.00000 | 602892.1 | 301039.4 | 0.0 | S |
| 33.800 | 0.0000 | 0.0000 | 83.908 | 0.87536 | 0.00000 | 602892.1 | 301065.7 | 0.0 | S |
| 33.808 | 0.0000 | 0.0000 | 83.907 | 0.87508 | 0.00000 | 602892.1 | 301091.9 | 0.0 | S |
| 33.817 | 0.0000 | 0.0000 | 83.907 | 0.87481 | 0.00000 | 602892.1 | 301118.2 | 0.0 | S |
| 33.825 | 0.0000 | 0.0000 | 83.907 | 0.87453 | 0.00000 | 602892.1 | 301144.4 | 0.0 | S |
| 33.833 | 0.0000 | 0.0000 | 83.906 | 0.87426 | 0.00000 | 602892.1 | 301170.6 | 0.0 | S |
| 33.842 | 0.0000 | 0.0000 | 83.906 | 0.87398 | 0.00000 | 602892.1 | 301196.9 | 0.0 | S |
| 33.850 | 0.0000 | 0.0000 | 83.905 | 0.87371 | 0.00000 | 602892.1 | 301223.1 | 0.0 | S |
| 33.858 | 0.0000 | 0.0000 | 83.905 | 0.87344 | 0.00000 | 602892.1 | 301249.3 | 0.0 | S |
| 33.867 | 0.0000 | 0.0000 | 83.905 | 0.87316 | 0.00000 | 602892.1 | 301275.5 | 0.0 | S |
| 33.875 | 0.0000 | 0.0000 | 83.904 | 0.87289 | 0.00000 | 602892.1 | 301301.7 | 0.0 | S |
| 33.883 | 0.0000 | 0.0000 | 83.904 | 0.87262 | 0.00000 | 602892.1 | 301327.9 | 0.0 | S |
| 33.892 | 0.0000 | 0.0000 | 83.904 | 0.87235 | 0.00000 | 602892.1 | 301354.0 | 0.0 | S |
| 33.900 | 0.0000 | 0.0000 | 83.903 | 0.87207 | 0.00000 | 602892.1 | 301380.2 | 0.0 | S |
| 33.908 | 0.0000 | 0.0000 | 83.903 | 0.87180 | 0.00000 | 602892.1 | 301406.3 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | !nflow Rate ( $\mathrm{ft}^{3 / 5}$ ) | Outside Recharge (fi/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge (ftys) | Cumulative Inflow <br> Volume (ft ${ }^{3}$ ) | Cumulative Infitration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume (ft ${ }^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 33.917 | 0.0000 | 0.0000 | 83.902 | 0.87153 | 0.00000 | 602892.1 | 301432.5 | 0.0 | S |
| 33.925 | 0.0000 | 0.0000 | 83.902 | 0.87126 | 0.00000 | 602892.1 | 301458.7 | 0.0 | S |
| 33.933 | 0.0000 | 0.0000 | 83.902 | 0.87099 | 0.00000 | 602892.1 | 301484.8 | 0.0 | S |
| 33.942 | 0.0000 | 0.0000 | 83.901 | 0.87071 | 0.00000 | 602892.1 | 301510.9 | 0.0 | S |
| 33.950 | 0.0000 | 0.0000 | 83.901 | 0.87044 | 0.00000 | 602892.1 | 301537.0 | 0.0 | S |
| 33.958 | 0.0000 | 0.0000 | 83.900 | 0.87017 | 0.00000 | 602892.1 | 301563.1 | 0.0 | S |
| 33.967 | 0.0000 | 0.0000 | 83.900 | 0.86990 | 0.00000 | 602892.1 | 301589.3 | 0.0 | S |
| 33.975 | 0.0000 | 0.0000 | 83.900 | 0.86963 | 0.00000 | 602892.1 | 301615.3 | 0.0 | S |
| 33.983 | 0.0000 | 0.0000 | 83.899 | 0.86936 | 0.00000 | 602892.1 | 301641.4 | 0.0 | S |
| 33.992 | 0.0000 | 0.0000 | 83.899 | 0.86909 | 0.00000 | 602892.1 | 301667.5 | 0.0 | S |
| 34.000 | 0.0000 | 0.0000 | 83.899 | 0.86882 | 0.00000 | 602892.1 | 301693.6 | 0.0 | S |
| 34.008 | 0.0000 | 0.0000 | 83.898 | 0.86855 | 0.00000 | 602892.1 | 301719.6 | 0.0 | S |
| 34.017 | 0.0000 | 0.0000 | 83.898 | 0.86828 | 0.00000 | 602892.1 | 301745.7 | 0.0 | S |
| 34.025 | 0.0000 | 0.0000 | 83.897 | 0.86801 | 0.00000 | 602892.1 | 301771.7 | 0.0 | S |
| 34.033 | 0.0000 | 0.0000 | 83.897 | 0.86774 | 0.00000 | 602892.1 | 301797.8 | 0.0 | S |
| 34.042 | 0.0000 | 0.0000 | 83.897 | 0.86747 | 0.00000 | 602892.1 | 301823.8 | 0.0 | S |
| 34.050 | 0.0000 | 0.0000 | 83.896 | 0.86721 | 0.00000 | 602892.1 | 301849.8 | 0.0 | S |
| 34.058 | 0.0000 | 0.0000 | 83.896 | 0.86694 | 0.00000 | 602892.1 | 301875.8 | 0.0 | S |
| 34.067 | 0.0000 | 0.0000 | 83.896 | 0.86667 | 0.00000 | 602892.1 | 301901.8 | 0.0 | S |
| 34.075 | 0.0000 | 0.0000 | 83.895 | 0.86640 | 0.00000 | 602892.1 | 301927.8 | 0.0 | S |
| 34.083 | 0.0000 | 0.0000 | 83.895 | 0.86613 | 0.00000 | 602892.1 | 301953.8 | 0.0 | S |
| 34.092 | 0.0000 | 0.0000 | 83.894 | 0.86586 | 0.00000 | 602892.1 | 301979.8 | 0.0 | S |
| 34.100 | 0.0000 | 0.0000 | 83.894 | 0.86560 | 0.00000 | 602892.1 | 302005.8 | 0.0 | S |
| 34.108 | 0.0000 | 0.0000 | 83.894 | 0.86533 | 0.00000 | 602892.1 | 302031.7 | 0.0 | S |
| 34.117 | 0.0000 | 0.0000 | 83.893 | 0.86506 | 0.00000 | 602892.1 | 302057.7 | 0.0 | S |
| 34.125 | 0.0000 | 0.0000 | 83.893 | 0.86480 | 0.00000 | 602892.1 | 302083.6 | 0.0 | S |
| 34.133 | 0.0000 | 0.0000 | 83.893 | 0.86453 | 0.00000 | 602892.1 | 302109.6 | 0.0 | S |
| 34.142 | 0,0000 | 0.0000 | 83.892 | 0.86426 | 0.00000 | 602892.1 | 302135.5 | 0.0 | S |
| 34.150 | 0,0000 | 0.0000 | 83.892 | 0.86400 | 0.00000 | 602892.1 | 302161.4 | 0.0 | S |
| 34.158 | 0.0000 | 0.0000 | 83.891 | 0.86373 | 0.00000 | 602892.1 | 302187.3 | 0.0 | S |
| 34.167 | 0.0000 | 0.0000 | 83.891 | 0.86346 | 0.00000 | 602892.1 | 302213.3 | 0.0 | S |
| 34.175 | 0.0000 | 0.0000 | 83.891 | 0.86320 | 0.00000 | 602892.1 | 302239.2 | 0.0 | S |
| 34.183 | 0.0000 | 0.0000 | 83.890 | 0.86293 | 0.00000 | 602892.1 | 302265.0 | 0.0 | S |
| 34.192 | 0.0000 | 0.0000 | 83.890 | 0.86267 | 0.00000 | 602892.1 | 302290.9 | 0.0 | S |
| 34.200 | 0.0000 | 0.0000 | 83.890 | 0.86240 | 0.00000 | 602892.1 | 302316.8 | 0.0 | S |
| 34.208 | 0.0000 | 0.0000 | 83.889 | 0.86214 | 0.00000 | 602892.1 | 302342.7 | 0.0 | S |
| 34.217 | 0.0000 | 0.0000 | 83.889 | 0.86187 | 0.00000 | 602892.1 | 302368.5 | 0.0 | S |
| 34.225 | 0.0000 | 0.0000 | 83.888 | 0.86161 | 0.00000 | 602892.1 | 302394.4 | 0.0 | S |
| 34.233 | 0.0000 | 0.0000 | 83.888 | 0.86134 | 0.00000 | 602892.1 | 302420.2 | 0.0 | S |
| 34.242 | 0.0000 | 0.0000 | 83.888 | 0.86108 | 0.00000 | 602892.1 | 302446.1 | 0.0 | S |
| 34.250 | 0.0000 | 0.0000 | 83.887 | 0.86081 | 0.00000 | 602892.1 | 302471.9 | 0.0 | S |
| 34.258 | 0.0000 | 0.0000 | 83.887 | 0.86055 | 0.00000 | 602892.1 | 302497.7 | 0.0 | S |
| 34.267 | 0.0000 | 0.0000 | 83.887 | 0.86029 | 0.00000 | 602892.1 | 302523.5 | 0.0 | S |
| 34.275 | 0.0000 | 0.0000 | 83.886 | 0.86002 | 0.00000 | 602892.1 | 302549.3 | 0.0 | S |
| 34.283 | 0.0000 | 0.0000 | 83.886 | 0.85976 | 0.00000 | 602892.1 | 302575.1 | 0.0 | S |
| 34.292 | 0.0000 | 0.0000 | 83.885 | 0.85950 | 0.00000 | 602892.1 | 302600.9 | 0.0 | S |
| 34.300 | 0.0000 | 0.0000 | 83.885 | 0.85923 | 0.00000 | 602892.1 | 302626.7 | 0.0 | S |
| 34.308 | 0.0000 | 0.0000 | 83.885 | 0.85897 | 0.00000 | 602892.1 | 302652.5 | 0.0 | S |
| 34.317 | 0.0000 | 0.0000 | 83.884 | 0.85871 | 0.00000 | 602892.1 | 302678.2 | 0.0 | S |
| 34.325 | 0.0000 | 0.0000 | 83.884 | 0.85845 | 0.00000 | 602892.1 | 302704.0 | 0.0 | S |
| 34.333 | 0.0000 | 0.0000 | 83.884 | 0.85818 | 0.00000 | 602892.1 | 302729.7 | 0.0 | S |
| 34.342 | 0.0000 | 0.0000 | 83.883 | 0.85792 | 0.00000 | 602892.1 | 302755.5 | 0.0 | S |
| 34.350 | 0.0000 | 0.0000 | 83.883 | 0.85766 | 0.00000 | 602892.1 | 302781.2 | 0.0 | S |
| 34.358 | 0.0000 | 0.0000 | 83.883 | 0.85740 | 0.00000 | 602892.1 | 302806.9 | 0.0 | S |
| 34.367 | 0.0000 | 0.0000 | 83.882 | 0.85714 | 0.00000 | 602892.1 | 302832.7 | 0.0 | S |
| 34.375 | 0.0000 | 0.0000 | 83.882 | 0.85688 | 0.00000 | 602892.1 | 302858.4 | 0.0 | S |
| 34.383 | 0.0000 | 0.0000 | 83.881 | 0.85662 | 0.00000 | 602892.1 | 302884.1 | 0.0 | S |
| 34.392 | 0.0000 | 0.0000 | 83.881 | 0.85635 | 0.00000 | 602892.1 | 302909.8 | 0.0 | S |
| 34.400 | 0.0000 | 0.0000 | 83.881 | 0.85609 | 0.00000 | 602892.1 | 302935.4 | 0.0 | S |
| 34.408 | 0.0000 | 0.0000 | 83.880 | 0.85583 | 0.00000 | 602892.1 | 302961.1 | 0.0 | S |
| 34.417 | 0.0000 | 0.0000 | 83.880 | 0.85557 | 0.00000 | 602892.1 | 302986.8 | 0.0 | S |
| 34.425 | 0.0000 | 0.0000 | 83.880 | 0.85531 | 0.00000 | 602892.1 | 303012.5 | 0.0 | S |
| 34.433 | 0.0000 | 0.0000 | 83.879 | 0.85505 | 0.00000 | 602892.1 | 303038.1 | 0.0 | S |
| 34.442 | 0.0000 | 0.0000 | 83.879 | 0.85479 | 0.00000 | 602892.1 | 303063.8 | 0.0 | S |
| 34.450 | 0.0000 | 0.0000 | 83.878 | 0.85453 | 0.00000 | 602892.1 | 303089.4 | 0.0 | S |
| 34.458 | 0.0000 | 0.0000 | 83.878 | 0.85428 | 0.00000 | 602892.1 | 303115.0 | 0.0 | S |
| 34.467 | 0.0000 | 0.0000 | 83.878 | 0.85402 | 0.00000 | 602892.1 | 303140.7 | 0.0 | S |
| 34.475 | 0.0000 | 0.0000 | 83.877 | 0.85376 | 0.00000 | 602892.1 | 303166.3 | 0.0 | S |
| 34.483 | 0.0000 | 0.0000 | 83.877 | 0.85350 | 0.00000 | 602892.1 | 303191.9 | 0.0 | S |
| 34.492 | 0.0000 | 0.0000 | 83.877 | 0.85324 | 0.00000 | 602892.1 | 303217.5 | 0.0 | S |
| 34.500 | 0.0000 | 0.0000 | 83.876 | 0.85298 | 0.00000 | 602892.1 | 303243.1 | 0.0 | S |
| 34.508 | 0.0000 | 0.0000 | 83.876 | 0.85272 | 0.00000 | 602892.1 | 303268.7 | 0.0 | S |
| 34.517 | 0.0000 | 0.0000 | 83.875 | 0.85247 | 0.00000 | 602892.1 | 303294.3 | 0.0 | S |
| 34.525 | 0.0000 | 0.0000 | 83.875 | 0.85221 | 0.00000 | 602892.1 | 303319.8 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | \{nflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (It/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overfiow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Voiume ( $\mathrm{ft}^{3}$ ) | Cumutative Infiltration Volume ( $\mathrm{f}^{\mathrm{t}}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 34.533 | 0.0000 | 0.0000 | 83.875 | 0.85195 | 0.00000 | 602892.1 | 303345.4 | 0.0 | S |
| 34.542 | 0.0000 | 0.0000 | 83.874 | 0.85169 | 0.00000 | 602892.1 | 303370.9 | 0.0 | S |
| 34.550 | 0.0000 | 0.0000 | 83.874 | 0.85144 | 0.00000 | 602892.1 | 303396.5 | 0.0 | S |
| 34.558 | 0.0000 | 0.0000 | 83.874 | 0.85118 | 0.00000 | 602892.1 | 303422.0 | 0.0 | S |
| 34.567 | 0.0000 | 0.0000 | 83.873 | 0.85092 | 0.00000 | 602892.1 | 303447.5 | 0.0 | S |
| 34.575 | 0.0000 | 0.0000 | 83.873 | 0.85066 | 0.00000 | 602892.1 | 303473.1 | 0.0 | S |
| 34.583 | 0.0000 | 0.0000 | 83.872 | 0.85041 | 0.00000 | 602892.1 | 303498.6 | 0.0 | S |
| 34.592 | 0.0000 | 0.0000 | 83.872 | 0.85015 | 0.00000 | 602892.1 | 303524.1 | 0.0 | S |
| 34.600 | 0.0000 | 0.0000 | 83.872 | 0.84990 | 0.00000 | 602892.1 | 303549.6 | 0.0 | S |
| 34.608 | 0.0000 | 0.0000 | 83.871 | 0.84964 | 0.00000 | 602892.1 | 303575.1 | 0.0 | S |
| 34.617 | 0.0000 | 0.0000 | 83.871 | 0.84938 | 0.00000 | 602892.1 | 303600.6 | 0.0 | S |
| 34.625 | 0.0000 | 0.0000 | 83.871 | 0.84913 | 0.00000 | 602892.1 | 303626.1 | 0.0 | S |
| 34.633 | 0.0000 | 0.0000 | 83.870 | 0.84887 | 0.00000 | 602892.1 | 303651.5 | 0.0 | S |
| 34.642 | 0.0000 | 0.0000 | 83.870 | 0.84862 | 0.00000 | 602892.1 | 303677.0 | 0.0 | S |
| 34.650 | 0.0000 | 0.0000 | 83.870 | 0.84836 | 0,00000 | 602892.1 | 303702.4 | 0.0 | S |
| 34.658 | 0.0000 | 0.0000 | 83.869 | 0.84811 | 0.00000 | 602892.1 | 303727.9 | 0.0 | S |
| 34.667 | 0.0000 | 0.0000 | 83.869 | 0.84785 | 0.00000 | 602892.1 | 303753.3 | 0.0 | S |
| 34.675 | 0.0000 | 0.0000 | 83.868 | 0.84760 | 0.00000 | 602892.1 | 303778.8 | 0.0 | S |
| 34.683 | 0.0000 | 0.0000 | 83.868 | 0.84734 | 0.00000 | 602892.1 | 303804.2 | 0.0 | S |
| 34.692 | 0.0000 | 0.0000 | 83.868 | 0.84709 | 0.00000 | 602892.1 | 303829.6 | 0.0 | S |
| 34.700 | 0.0000 | 0.0000 | 83.867 | 0.84684 | 0.00000 | 602892.1 | 303855.0 | 0.0 | S |
| 34.708 | 0.0000 | 0.0000 | 83.867 | 0.84658 | 0.00000 | 602892.1 | 303880.4 | 0.0 | S |
| 34.717 | 0.0000 | 0.0000 | 83.867 | 0.84633 | 0.00000 | 602892.1 | 303905.8 | 0.0 | S |
| 34.725 | 0.0000 | 0.0000 | 83.866 | 0.84608 | 0.00000 | 602892.1 | 303931.2 | 0.0 | S |
| 34.733 | 0.0000 | 0.0000 | 83.866 | 0.84582 | 0.00000 | 602892.1 | 303956.6 | 0.0 | S |
| 34.742 | 0.0000 | 0.0000 | 83.865 | 0.84557 | 0.00000 | 602892.1 | 303981.9 | 0.0 | S |
| 34.750 | 0.0000 | 0.0000 | 83.865 | 0.84532 | 0.00000 | 602892.1 | 304007.3 | 0.0 | S |
| 34.758 | 0.0000 | 0.0000 | 83.865 | 0.84506 | 0.00000 | 602892.1 | 304032.7 | 0.0 | S |
| 34.767 | 0.0000 | 0.0000 | 83.864 | 0.84481 | 0.00000 | 602892.1 | 304058.0 | 0.0 | S |
| 34.775 | 0.0000 | 0.0000 | 83.864 | 0.84456 | 0.00000 | 602892.4 | 304083.3 | 0.0 | S |
| 34.783 | 0.0000 | 0.0000 | 83.864 | 0.84431 | 0.00000 | 602892.1 | 304108.7 | 0.0 | S |
| 34.792 | 0.0000 | 0.0000 | 83.863 | 0.84406 | 0.00000 | 602892.1 | 304134.0 | 0.0 | S |
| 34.800 | 0.0000 | 0.0000 | 83.863 | 0.84380 | 0.00000 | 602892.1 | 304159.3 | 0.0 | S |
| 34.808 | 0.0000 | 0.0000 | 83.863 | 0.84355 | 0.00000 | 602892.1 | 304184.6 | 0.0 | S |
| 34.817 | 0.0000 | 0.0000 | 83.862 | 0.84330 | 0.00000 | 602892.1 | 304209.9 | 0.0 | S |
| 34.825 | 0.0000 | 0.0000 | 83.862 | 0.84305 | 0.00000 | 602882.1 | 304235.2 | 0.0 | S |
| 34.833 | 0.0000 | 0.0000 | 83.861 | 0.84280 | 0.00000 | 602892.1 | 304260.5 | 0.0 | S |
| 34.842 | 0.0000 | 0.0000 | 83.861 | 0.84255 | 0.00000 | 602892.1 | 304285.8 | 0.0 | S |
| 34.850 | 0.0000 | 0.0000 | 83.861 | 0.84230 | 0.00000 | 602892.1 | 304311.1 | 0.0 | S |
| 34.858 | 0.0000 | 0.0000 | 83.860 | 0.84205 | 0.00000 | 602892.1 | 304336.3 | 0.0 | S |
| 34.867 | 0.0000 | 0.0000 | 83.860 | 0.84180 | 0.00000 | 602892.1 | 304361.6 | 0.0 | S |
| 34.875 | 0.0000 | 0.0000 | 83.860 | 0.84155 | 0.00000 | 602892.1 | 304386.8 | 0.0 | S |
| 34.883 | 0.0000 | 0.0000 | 83.859 | 0.84130 | 0.00000 | 602892.1 | 304412.1 | 0.0 | S |
| 34.892 | 0.0000 | 0.0000 | 83.859 | 0.84105 | 0.00000 | 602892.1 | 304437.3 | 0.0 | S |
| 34.900 | 0.0000 | 0.0000 | 83.859 | 0.84080 | 0.00000 | 602892.1 | 304462.6 | 0.0 | S |
| 34.908 | 0.0000 | 0.0000 | 83.858 | 0.84055 | 0.00000 | 602892.1 | 304487.8 | 0.0 | S |
| 34.917 | 0.0000 | 0.0000 | 83.858 | 0.84030 | 0.00000 | 602892.1 | 304513.0 | 0.0 | S |
| 34.925 | 0.0000 | 0.0000 | 83.857 | 0.84005 | 0.00000 | 602892.1 | 304538.2 | 0.0 | S |
| 34.933 | 0.0000 | 0.0000 | 83.857 | 0.83980 | 0.00000 | 602892.4 | 304563.4 | 0.0 | S |
| 34.942 | 0.0000 | 0.0000 | 83.857 | 0.83955 | 0.00000 | 602892.1 | 304588.6 | 0.0 | S |
| 34.950 | 0.0000 | 0.0000 | 83.856 | 0.83930 | 0.00000 | 602892.1 | 304613.8 | 0.0 | S |
| 34.958 | 0.0000 | 0.0000 | 83.856 | 0.83905 | 0.00000 | 602892.1 | 304638.9 | 0.0 | S |
| 34.967 | 0.0000 | 0.0000 | 83.856 | 0.83881 | 0.00000 | 602892.1 | 304664.1 | 0.0 | S |
| 34.975 | 0.0000 | 0.0000 | 83.855 | 0.83856 | 0.00000 | 602892.1 | 304689.3 | 0.0 | S |
| 34.983 | 0.0000 | 0.0000 | 83.855 | 0.83831 | 0.00000 | 602892.1 | 304714.4 | 0.0 | S |
| 34.992 | 0.0000 | 0.0000 | 83.854 | 0.83806 | 0.00000 | 602892.1 | 304739.6 | 0.0 | S |
| 35.000 | 0.0000 | 0.0000 | 83.854 | 0.83781 | 0.00000 | 602892.1 | 304764.7 | 0.0 | S |
| 35.008 | 0.0000 | 0.0000 | 83.854 | 0.83757 | 0.00000 | 602892.1 | 304789.8 | 0.0 | S |
| 35.017 | 0.0000 | 0.0000 | 83.853 | 0.83732 | 0.00000 | 602892.1 | 304814.9 | 0.0 | S |
| 35.025 | 0.0000 | 0.0000 | 83.853 | 0.83707 | 0.00000 | 602892.1 | 304840.1 | 0.0 | S |
| 35.033 | 0.0000 | 0.0000 | 83.853 | 0.83683 | 0.00000 | 602892.1 | 304865.2 | 0.0 | S |
| 35.042 | 0.0000 | 0.0000 | 83.852 | 0.83658 | 0.00000 | 602892.1 | 304890.3 | 0.0 | S |
| 35.050 | 0.0000 | 0.0000 | 83.852 | 0.83633 | 0.00000 | 602892.1 | 304915.4 | 0.0 | S |
| 35.058 | 0.0000 | 0.0000 | 83.852 | 0.83609 | 0.00000 | 602892.1 | 304940.5 | 0.0 | S |
| 35.067 | 0.0000 | 0.0000 | 83.851 | 0.83584 | 0.00000 | 602892.1 | 304965.5 | 0.0 | S |
| 35.075 | 0.0000 | 0.0000 | 83.851 | 0.83559 | 0.00000 | 602892.1 | 304990.6 | 0.0 | S |
| 35.083 | 0.0000 | 0.0000 | 83.850 | 0.83535 | 0.00000 | 602892.1 | 305015.7 | 0.0 | S |
| 35.092 | 0.0000 | 0.0000 | 83.850 | 0.83510 | 0.00000 | 602892.1 | 305040.7 | 0.0 | S |
| 35.100 | 0.0000 | 0.0000 | 83.850 | 0.83486 | 0.00000 | 602892.1 | 305065.8 | 0.0 | S |
| 35.108 | 0.0000 | 0.0000 | 83.849 | 0.83461 | 0.00000 | 602892.1 | 305090.8 | 0.0 | S |
| 35.117 | 0.0000 | 0.0000 | 83.849 | 0.83437 | 0.00000 | 602892.1 | 305115.8 | 0.0 | S |
| 35.125 | 0.0000 | 0.0000 | 83.849 | 0.83412 | 0.00000 | 602892.1 | 305140.9 | 0.0 | S |
| 35.133 | 0.0000 | 0.0000 | 83.848 | 0.83388 | 0.00000 | 602892.1 | 305165.9 | 0.0 | S |
| 35.142 | 0.0000 | 0.0000 | 83.848 | 0.83363 | 0.00000 | 602892.1 | 305190.9 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation ( ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overfiow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | $\begin{aligned} & \text { Cumulative } \\ & \text { Inflow } \\ & \text { volume }\left(f^{3}\right) \end{aligned}$ | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 35.150 | 0.0000 | 0.0000 | 83.848 | 0.83339 | 0.00000 | 602892.1 | 305215.9 | 0.0 | S |
| 35.158 | 0.0000 | 0.0000 | 83.847 | 0.83314 | 0.00000 | 602892.1 | 305240.9 | 0.0 | S |
| 35.167 | 0.0000 | 0.0000 | 83.847 | 0.83290 | 0.00000 | 602892.1 | 305265.9 | 0.0 | S |
| 35.175 | 0.0000 | 0.0000 | 83.846 | 0.83266 | 0.00000 | 602892.1 | 305290.9 | 0.0 | S |
| 35.183 | 0.0000 | 0.0000 | 83.846 | 0.83241 | 0.00000 | 602892.1 | 305315.9 | 0.0 | S |
| 35.192 | 0.0000 | 0.0000 | 83.846 | 0.83217 | 0.00000 | 602892.1 | 305340.8 | 0.0 | S |
| 35.200 | 0.0000 | 0.0000 | 83.845 | 0.83192 | 0.00000 | 602892.1 | 305365.8 | 0.0 | S |
| 35.208 | 0.0000 | 0.0000 | 83.845 | 0.83168 | 0.00000 | 602892.1 | 305390.8 | 0.0 | S |
| 35.217 | 0.0000 | 0.0000 | 83.845 | 0.83144 | 0.00000 | 602892.1 | 305415.7 | 0.0 | S |
| 35.225 | 0.0000 | 0.0000 | 83.844 | 0.83120 | 0.00000 | 602892.1 | 305440.6 | 0.0 | S |
| 35.233 | 0.0000 | 0.0000 | 83.844 | 0.83095 | 0.00000 | 602892.1 | 305465.6 | 0.0 | S |
| 35.242 | 0.0000 | 0.0000 | 83.844 | 0.83071 | 0.00000 | 602892.1 | 305480.5 | 0.0 | S |
| 35.250 | 0.0000 | 0.0000 | 83.843 | 0.83047 | 0.00000 | 602892.1 | 305515.4 | 0.0 | S |
| 35.258 | 0.0000 | 0.0000 | 83.843 | 0.83023 | 0.00000 | 602892.1 | 305540.3 | 0.0 | S |
| 35.267 | 0.0000 | 0.0000 | 83.843 | 0.82998 | 0.00000 | 602892.1 | 305565.2 | 0.0 | S |
| 35.275 | 0.0000 | 0.0000 | 83.842 | 0.82974 | 0.00000 | 602892.1 | 305590.1 | 0.0 | S |
| 35.283 | 0.0000 | 0.0000 | 83.842 | 0.82950 | 0.00000 | 602892.1 | 305615.0 | 0.0 | S |
| 35.292 | 0.0000 | 0.0000 | 83.841 | 0.82926 | 0.00000 | 602892.1 | 305639.9 | 0.0 | S |
| 35.300 | 0.0000 | 0.0000 | 83.841 | 0.82902 | 0.00000 | 602892.1 | 305664.8 | 0.0 | S |
| 35.308 | 0.0000 | 0.0000 | 83.841 | 0.82878 | 0.00000 | 602892.1 | 305689.6 | 0.0 | S |
| 35.317 | 0.0000 | 0.0000 | 83.840 | 0.82853 | 0.00000 | 602892.1 | 305714.5 | 0.0 | S |
| 35.325 | 0.0000 | 0.0000 | 83.840 | 0.82829 | 0.00000 | 602892.1 | 305739.3 | 0.0 | S |
| 35.333 | 0.0000 | 0.0000 | 83.840 | 0.82805 | 0.00000 | 602892.1 | 305764.2 | 0.0 | S |
| 35.342 | 0.0000 | 0.0000 | 83.839 | 0.82781 | 0.00000 | 602892.1 | 305789.0 | 0.0 | S |
| 35.350 | 0.0000 | 0.0000 | 83.839 | 0.82757 | 0.00000 | 602892.1 | 305813.8 | 0.0 | S |
| 35.358 | 0.0000 | 0.0000 | 83.839 | 0.82733 | 0.00000 | 602892.1 | 305838.7 | 0.0 | S |
| 35.367 | 0.0000 | 0.0000 | 83.838 | 0.82709 | 0.00000 | 602892.1 | 305863.5 | 0.0 | S |
| 35.375 | 0.0000 | 0.0000 | 83.838 | 0.82685 | 0.00000 | 602892.1 | 305888.3 | 0.0 | S |
| 35.383 | 0.0000 | 0.0000 | 83.837 | 0.82661 | 0.00000 | 602892.1 | 305913.1 | 0.0 | S |
| 35.392 | 0.0000 | 0.0000 | 83.837 | 0.82637 | 0.00000 | 602892.1 | 305937.9 | 0.0 | S |
| 35.400 | 0.0000 | 0.0000 | 83.837 | 0.82613 | 0.00000 | 602892.1 | 305962.7 | 0.0 | S |
| 35.408 | 0.0000 | 0.0000 | 83.836 | 0.82589 | 0.00000 | 602892.1 | 305987.5 | 0.0 | S |
| 35.417 | 0.0000 | 0.0000 | 83.836 | 0.82565 | 0.00000 | 602892.1 | 306012.3 | 0.0 | S |
| 35.425 | 0.0000 | 0.0000 | 83.836 | 0.82542 | 0.00000 | 602892.1 | 306037.0 | 0.0 | S |
| 35.433 | 0.0000 | 0.0000 | 83.835 | 0.82518 | 0.00000 | 602892.1 | 306061.8 | 0.0 | S |
| 35.442 | 0.0000 | 0.0000 | 83.835 | 0.82494 | 0.00000 | 602892.1 | 306086.5 | 0.0 | S |
| 35.450 | 0.0000 | 0.0000 | 83.835 | 0.82470 | 0.00000 | 602892.1 | 306111.3 | 0.0 | S |
| 35.458 | 0.0000 | 0.0000 | 83.834 | 0.82446 | 0.00000 | 602892.1 | 306136.0 | 0.0 | S |
| 35.467 | 0.0000 | 0.0000 | 83.834 | 0.82422 | 0.00000 | 602892.1 | 306160.8 | 0.0 | S |
| 35.475 | 0.0000 | 0.0000 | 83.833 | 0.82399 | 0.00000 | 602892.1 | 306185.5 | 0.0 | S |
| 35.483 | 0.0000 | 0.0000 | 83.833 | 0.82375 | 0.00000 | 602892.1 | 306210.2 | 0.0 | S |
| 35.492 | 0.0000 | 0.0000 | 83.833 | 0.82351 | 0.00000 | 602892.1 | 306234.9 | 0.0 | S |
| 35.500 | 0.0000 | 0.0000 | 83.832 | 0.82327 | 0.00000 | 602892.1 | 306259.6 | 0.0 | S |
| 35.508 | 0.0000 | 0.0000 | 83.832 | 0.82304 | 0.00000 | 602892.1 | 306284.3 | 0.0 | S |
| 35.517 | 0.0000 | 0.0000 | 83.832 | 0.82280 | 0.00000 | 602892.1 | 306309.0 | 0.0 | S |
| 35.525 | 0.0000 | 0.0000 | 83.831 | 0.82256 | 0.00000 | 602892.1 | 306333.7 | 0.0 | S |
| 35.533 | 0.0000 | 0.0000 | 83.831 | 0.82232 | 0.00000 | 602892.1 | 306358.3 | 0.0 | S |
| 35.542 | 0.0000 | 0.0000 | 83.831 | 0.82209 | 0.00000 | 602892.1 | 306383.0 | 0.0 | S |
| 35.550 | 0.0000 | 0.0000 | 83.830 | 0.82185 | 0.00000 | 602892.1 | 306407.7 | 0.0 | \$ |
| 35.558 | 0.0000 | 0.0000 | 83.830 | 0.82161 | 0.00000 | 602892.1 | 306432.3 | 0.0 | S |
| 35.567 | 0.0000 | 0.0000 | 83.830 | 0.82138 | 0.00000 | 602892.1 | 306456.9 | 0.0 | S |
| 35.575 | 0.0000 | 0.0000 | 83.829 | 0.82114 | 0.00000 | 602892.1 | 306481.6 | 0.0 | S |
| 35.583 | 0.0000 | 0.0000 | 83.829 | 0.82091 | 0.00000 | 602892.1 | 306506.2 | 0.0 | S |
| 35.592 | 0.0000 | 0.0000 | 83.828 | 0.82067 | 0.00000 | 602892.1 | 306530.8 | 0.0 | S |
| 35.600 | 0.0000 | 0.0000 | 83.828 | 0.82044 | 0.00000 | 602892.1 | 306555.4 | 0.0 | S |
| 35.608 | 0.0000 | 0.0000 | 83.828 | 0.82020 | 0.00000 | 602892.1 | 306580.1 | 0.0 | S |
| 35.617 | 0.0000 | 0.0000 | 83.827 | 0.81997 | 0.00000 | 602892.1 | 306604.7 | 0.0 | S |
| 35.625 | 0.0000 | 0.0000 | 83.827 | 0.81973 | 0.00000 | 602892.1 | 306629.3 | 0.0 | S |
| 35.633 | 0.0000 | 0.0000 | 83.827 | 0.81950 | 0.00000 | 602892.1 | 306653.8 | 0.0 | S |
| 35.642 | 0.0000 | 0.0000 | 83.826 | 0.81926 | 0.00000 | 602892.1 | 306678.4 | 0.0 | S |
| 35.650 | 0.0000 | 0.0000 | 83.826 | 0.81903 | 0.00000 | 602892.1 | 306703.0 | 0.0 | S |
| 35.658 | 0.0000 | 0.0000 | 83.826 | 0.81879 | 0.00000 | 602892.1 | 306727.6 | 0.0 | S |
| 35.667 | 0.0000 | 0.0000 | 83.825 | 0.81856 | 0.00000 | 602892.1 | 306752.1 | 0.0 | S |
| 35.675 | 0.0000 | 0.0000 | 83.825 | 0.81832 | 0.00000 | 602892.1 | 306776.7 | 0.0 | S |
| 35.683 | 0.0000 | 0.0000 | 83.825 | 0.81809 | 0.00000 | 602892.1 | 306801.2 | 0.0 | S |
| 35.692 | 0.0000 | 0.0000 | 83.824 | 0.81786 | 0.00000 | 602892.1 | 306825.8 | 0.0 | S |
| 35.700 | 0.0000 | 0.0000 | 83.824 | 0.81762 | 0.00000 | 602892.1 | 306850.3 | 0.0 | S |
| 35.708 | 0.0000 | 0.0000 | 83.823 | 0.81739 | 0.00000 | 602892.1 | 306874.8 | 0.0 | S |
| 35.717 | 0.0000 | 0.0000 | 83.823 | 0.81715 | 0.00000 | 602892.1 | 306899.3 | 0.0 | S |
| 35.725 | 0.0000 | 0.0000 | 83.823 | 0.81692 | 0.00000 | 602892.1 | 306923.8 | 0.0 | S |
| 35.733 | 0.0000 | 0.0000 | 83.822 | 0.81669 | 0.00000 | 602892.1 | 306948.4 | 0.0 | S |
| 35.742 | 0.0000 | 0.0000 | 83.822 | 0.81646 | 0.00000 | 602892.1 | 306972.8 | 0.0 | S |
| 35.750 | 0.0000 | 0.0000 | 83.822 | 0.81622 | 0.00000 | 602892.1 | 306997.3 | 0.0 | S |
| 35.758 | 0.0000 | 0.0000 | 83.821 | 0.81599 | 0.00000 | 602892.1 | 307021.8 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | $\begin{aligned} & \text { Cumulative } \\ & \text { Inflow } \\ & \text { volume }\left(\mathrm{fl}^{3}\right) \end{aligned}$ | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Votume (fi) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 35.767 | 0.0000 | 0.0000 | 83.821 | 0.81576 | 0.00000 | 602892.1 | 307046.3 | 0.0 | S |
| 35.775 | 0.0000 | 0.0000 | 83.821 | 0.81553 | 0.00000 | 602892.1 | 307070.8 | 0.0 | S |
| 35.783 | 0.0000 | 0.0000 | 83.820 | 0.81529 | 0.00000 | 602892.1 | 307095.3 | 0.0 | S |
| 35.792 | 0.0000 | 0.0000 | 83.820 | 0.81506 | 0.00000 | 602892.1 | 307119.7 | 0.0 | S |
| 35.800 | 0.0000 | 0.0000 | 83.820 | 0.81483 | 0.00000 | 602892.1 | 307144.2 | 0.0 | S |
| 35.808 | 0.0000 | 0.0000 | 83.819 | 0.81460 | 0.00000 | 602892.1 | 307168.6 | 0.0 | S |
| 35.817 | 0.0000 | 0.0000 | 83.819 | 0.81437 | 0.00000 | 602892.1 | 307193.0 | 0.0 | S |
| 35.825 | 0.0000 | 0.0000 | 83.818 | 0.81414 | 0.00000 | 602892.1 | 307217.4 | 0.0 | S |
| 35.833 | 0.0000 | 0.0000 | 83.818 | 0.81391 | 0.00000 | 602892.1 | 307241.9 | 0.0 | S |
| 35.842 | 0.0000 | 0.0000 | 83.818 | 0.81367 | 0.00000 | 602892.1 | 307266.3 | 0.0 | S |
| 35.850 | 0.0000 | 0.0000 | 83.817 | 0.81344 | 0.00000 | 602892.1 | 307290.7 | 0.0 | S |
| 35.858 | 0.0000 | 0.0000 | 83.817 | 0.81321 | 0.00000 | 602892.1 | 307315.1 | 0.0 | S |
| 35.867 | 0.0000 | 0.0000 | 83.817 | 0.81298 | 0.00000 | 602892.1 | 307339.5 | 0.0 | S |
| 35.875 | 0.0000 | 0.0000 | 83.816 | 0.81275 | 0.00000 | 602892.1 | 307363.9 | 0.0 | S |
| 35.883 | 0.0000 | 0.0000 | 83.816 | 0.81252 | 0.00000 | 602892.1 | 307388.3 | 0.0 | S |
| 35.892 | 0.0000 | 0.0000 | 83.816 | 0.81229 | 0.00000 | 602892.1 | 307412.6 | 0.0 | S |
| 35.900 | 0.0000 | 0.0000 | 83.815 | 0.81206 | 0.00000 | 602892.1 | 307437.0 | 0.0 | S |
| 35.908 | 0.0000 | 0.0000 | 83.815 | 0.81183 | 0.00000 | 602892.1 | 307461.3 | 0.0 | S |
| 35.917 | 0.0000 | 0.0000 | 83.815 | 0.81160 | 0.00000 | 602892.1 | 307485.7 | 0.0 | S |
| 35.925 | 0.0000 | 0.0000 | 83.814 | 0.81137 | 0.00000 | 602892.1 | 307510.0 | 0.0 | S |
| 35.933 | 0.0000 | 0.0000 | 83.814 | 0.81114 | 0.00000 | 602892.1 | 307534.4 | 0.0 | S |
| 35.942 | 0.0000 | 0.0000 | 83.814 | 0.81091 | 0.00000 | 602892.1 | 307558.7 | 0.0 | S |
| 35.950 | 0.0000 | 0.0000 | 83.813 | 0.81069 | 0.00000 | 602892.1 | 307583.0 | 0.0 | S |
| 35.958 | 0.0000 | 0.0000 | 83.813 | 0.81046 | 0.00000 | 602892.1 | 307607.3 | 0.0 | S |
| 35.967 | 0.0000 | 0.0000 | 83.812 | 0.81023 | 0.00000 | 602892.1 | 307631.7 | 0.0 | S |
| 35.975 | 0.0000 | 0.0000 | 83.812 | 0.81000 | 0.00000 | 602892.1 | 307656.0 | 0.0 | S |
| 35.983 | 0.0000 | 0.0000 | 83.812 | 0.80977 | 0.00000 | 602892.1 | 307680.3 | 0.0 | S |
| 35.992 | 0.0000 | 0.0000 | 83.811 | 0.80954 | 0.00000 | 602892.1 | 307704.5 | 0.0 | S |
| 36.000 | 0.0000 | 0.0000 | 83.811 | 0.80932 | 0.00000 | 602892.1 | 307728.8 | 0.0 | S |
| 36.008 | 0.0000 | 0.0000 | 83.811 | 0.80909 | 0.00000 | 602892.1 | 307753.1 | 0.0 | S |
| 36.017 | 0.0000 | 0.0000 | 83.810 | 0.80886 | 0.00000 | 602892.1 | 307777.4 | 0.0 | S |
| 36.025 | 0.0000 | 0.0000 | 83.810 | 0.80863 | 0.00000 | 602892.1 | 307801.6 | 0.0 | S |
| 36.033 | 0.0000 | 0.0000 | 83.810 | 0.80840 | 0.00000 | 602892.1 | 307825.9 | 0.0 | S |
| 36.042 | 0.0000 | 0.0000 | 83.809 | 0.80818 | 0.00000 | 602892.1 | 307850.1 | 0.0 | S |
| 36.050 | 0.0000 | 0.0000 | 83.809 | 0.80795 | 0.00000 | 602892.1 | 307874.4 | 0.0 | S |
| 36.058 | 0.0000 | 0.0000 | 83.809 | 0.80772 | 0.00000 | 602892.1 | 307898.6 | 0.0 | S |
| 36.067 | 0.0000 | 0.0000 | 83.808 | 0.80750 | 0.00000 | 602892.1 | 307922.8 | 0.0 | S |
| 36.075 | 0.0000 | 0.0000 | 83.808 | 0.80727 | 0.00000 | 602892.1 | 307947.1 | 0.0 | S |
| 36.083 | 0.0000 | 0.0000 | 83.807 | 0.80704 | 0.00000 | 602892.1 | 307971.3 | 0.0 | S |
| 36.092 | 0.0000 | 0.0000 | 83.807 | 0.80682 | 0.00000 | 602892.1 | 307995.5 | 0.0 | S |
| 36.100 | 0.0000 | 0.0000 | 83.807 | 0.80659 | 0.00000 | 602892.1 | 308019.7 | 0.0 | S |
| 36.108 | 0.0000 | 0.0000 | 83.806 | 0.80636 | 0.00000 | 602892.1 | 308043.9 | 0.0 | S |
| 36.117 | 0.0000 | 0.0000 | 83.806 | 0.80614 | 0.00000 | 602892.1 | 308068.1 | 0.0 | S |
| 36.125 | 0.0000 | 0.0000 | 83.806 | 0.80591 | 0.00000 | 602892.1 | 308092.3 | 0.0 | S |
| 36.133 | 0.0000 | 0.0000 | 83.805 | 0.80569 | 0.00000 | 602892.1 | 308116.4 | 0.0 | S |
| 36.142 | 0.0000 | 0.0000 | 83.805 | 0.80546 | 0.00000 | 602892.1 | 308140.6 | 0.0 | S |
| 36.150 | 0.0000 | 0.0000 | 83.805 | 0.80524 | 0.00000 | 602892.1 | 308164.8 | 0.0 | S |
| 36.158 | 0.0000 | 0.0000 | 83.804 | 0.80501 | 0.00000 | 602892.1 | 308188.9 | 0.0 | S |
| 36.167 | 0.0000 | 0.0000 | 83.804 | 0.80479 | 0.00000 | 602892.1 | 308213.1 | 0.0 | S |
| 36.175 | 0.0000 | 0.0000 | 83.804 | 0.80456 | 0.00000 | 602892.1 | 308237.2 | 0.0 | S |
| 36.183 | 0.0000 | 0.0000 | 83.803 | 0.80434 | 0.00000 | 602892.1 | 308261.3 | 0.0 | S |
| 36.192 | 0.0000 | 0.0000 | 83.803 | 0.80411 | 0.00000 | 602892.1 | 308285.5 | 0.0 | S |
| 36.200 | 0.0000 | 0.0000 | 83.803 | 0.80389 | 0.00000 | 602892.1 | 308309.6 | 0.0 | S |
| 36.208 | 0.0000 | 0.0000 | 83.802 | 0.80366 | 0.00000 | 602892.1 | 308333.7 | 0.0 | S |
| 36.217 | 0.0000 | 0.0000 | 83.802 | 0.80344 | 0.00000 | 602892.1 | 308357.8 | 0.0 | S |
| 36.225 | 0.0000 | 0.0000 | 83.802 | 0.80321 | 0.00000 | 602892.1 | 308381.9 | 0.0 | S |
| 36.233 | 0.0000 | 0.0000 | 83.801 | 0.80299 | 0.00000 | 602892.1 | 308406.0 | 0.0 | S |
| 36.242 | 0.0000 | 0.0000 | 83.801 | 0.80277 | 0.00000 | 602892.1 | 308430.1 | 0.0 | S |
| 36.250 | 0.0000 | 0.0000 | 83.800 | 0.80254 | 0.00000 | 602892.1 | 308454.2 | 0.0 | S |
| 36.258 | 0.0000 | 0.0000 | 83.800 | 0.80232 | 0.00000 | 602892.1 | 308478.2 | 0.0 | S |
| 36.267 | 0.0000 | 0.0000 | 83.800 | 0.80210 | 0.00000 | 602892.1 | 308502.3 | 0.0 | S |
| 36.275 | 0.0000 | 0.0000 | 83.799 | 0.80187 | 0.00000 | 602892.1 | 308526.3 | 0.0 | S |
| 36.283 | 0.0000 | 0.0000 | 83.799 | 0.80165 | 0.00000 | 602892.1 | 308550.4 | 0.0 | S |
| 36.292 | 0.0000 | 0.0000 | 83.799 | 0.80143 | 0.00000 | 602892.1 | 308574.4 | 0.0 | S |
| 36.300 | 0.0000 | 0.0000 | 83.798 | 0.80121 | 0.00000 | 602892.1 | 308598.5 | 0.0 | S |
| 36.308 | 0.0000 | 0.0000 | 83.798 | 0.80098 | 0.00000 | 602892.1 | 308622.5 | 0.0 | S |
| 36.317 | 0.0000 | 0.0000 | 83.798 | 0.80076 | 0.00000 | 602892.1 | 308646.6 | 0.0 | S |
| 36.325 | 0.0000 | 0.0000 | 83.797 | 0.80054 | 0.00000 | 602892.1 | 308670.6 | 0.0 | S |
| 36.333 | 0.0000 | 0.0000 | 83.797 | 0.80032 | 0.00000 | 602892.1 | 308694.6 | 0.0 | S |
| 36.342 | 0.0000 | 0.0000 | 83.797 | 0.80009 | 0.00000 | 602892.1 | 308718.6 | 0.0 | S |
| 36.350 | 0.0000 | 0.0000 | 83.796 | 0.79987 | 0.00000 | 602892.1 | 308742.6 | 0.0 | S |
| 36.358 | 0.0000 | 0.0000 | 83.796 | 0.79965 | 0.00000 | 602892.1 | 308766.6 | 0.0 | S |
| 36.367 | 0.0000 | 0.0000 | 83.796 | 0.79943 | 0.00000 | 602892.1 | 308790.6 | 0.0 | S |
| 36.375 | 0.0000 | 0.0000 | 83.795 | 0.79921 | 0.00000 | 602892.1 | 308814.6 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{H}^{3 / \mathrm{s}}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{h}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{fr}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{fr}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 36.383 | 0.0000 | 0.0000 | 83.795 | 0.79899 | 0.00000 | 602892.1 | 308838.5 | 0.0 | S |
| 36.392 | 0.0000 | 0.0000 | 83.794 | 0.79877 | 0.00000 | 602892.1 | 308862.5 | 0.0 | S |
| 36.400 | 0.0000 | 0.0000 | 83.794 | 0.79854 | 0.00000 | 602892.1 | 308886.4 | 0.0 | S |
| 36.408 | 0.0000 | 0.0000 | 83.794 | 0.79832 | 0.00000 | 602892.1 | 308910.4 | 0.0 | S |
| 36.417 | 0.0000 | 0.0000 | 83.793 | 0.79810 | 0.00000 | 602892.1 | 308934.3 | 0.0 | S |
| 36.425 | 0.0000 | 0.0000 | 83.793 | 0.79788 | 0.00000 | 602892.1 | 308958.3 | 0.0 | S |
| 36.433 | 0.0000 | 0.0000 | 83.793 | 0.79766 | 0.00000 | 602892.1 | 308982.2 | 0.0 | S |
| 36.442 | 0.0000 | 0.0000 | 83.792 | 0.79744 | 0.00000 | 602892.1 | 309006.2 | 0.0 | S |
| 36.450 | 0.0000 | 0.0000 | 83.792 | 0.79722 | 0.00000 | 602892.1 | 309030.1 | 0.0 | S |
| 36.458 | 0.0000 | 0.0000 | 83.792 | 0.79700 | 0.00000 | 602892.1 | 309054.0 | 0.0 | S |
| 36.467 | 0.0000 | 0.0000 | 83.791 | 0.79678 | 0.00000 | 602892.1 | 309077.9 | 0.0 | S |
| 36.475 | 0.0000 | 0.0000 | 83.791 | 0.79656 | 0.00000 | 602892.1 | 309101.8 | 0.0 | S |
| 36.483 | 0.0000 | 0.0000 | 83.791 | 0.79634 | 0.00000 | 602892.1 | 309125.7 | 0.0 | S |
| 36.492 | 0.0000 | 0.0000 | 83.790 | 0.79612 | 0.00000 | 602892.1 | 309149.6 | 0.0 | S |
| 36.500 | 0.0000 | 0.0000 | 83.790 | 0.79590 | 0.00000 | 602892.1 | 309173.4 | 0.0 | S |
| 36.508 | 0.0000 | 0.0000 | 83.790 | 0.79569 | 0.00000 | 602892.1 | 309197.3 | 0.0 | S |
| 36.517 | 0.0000 | 0.0000 | 83.789 | 0.79547 | 0.00000 | 602892.1 | 309221.2 | 0.0 | S |
| 36.525 | 0.0000 | 0.0000 | 83.789 | 0.79525 | 0.00000 | 602892.1 | 309245.1 | 0.0 | S |
| 36.533 | 0.0000 | 0.0000 | 83.789 | 0.79503 | 0.00000 | 602892.1 | 309268.9 | 0.0 | S |
| 36.542 | 0.0000 | 0.0000 | 83.788 | 0.79481 | 0.00000 | 602892.1 | 309292.8 | 0.0 | S |
| 36.550 | 0.0000 | 0.0000 | 83.788 | 0.79459 | 0.00000 | 602892.1 | 309316.6 | 0.0 | S |
| 36.558 | 0.0000 | 0.0000 | 83.788 | 0.79437 | 0.00000 | 602892.1 | 309340.4 | 0.0 | S |
| 36.567 | 0.0000 | 0.0000 | 83.787 | 0.79416 | 0.00000 | 602892.1 | 309364.3 | 0.0 | S |
| 36.575 | 0.0000 | 0.0000 | 83.787 | 0.79394 | 0.00000 | 602892.1 | 309388.1 | 0.0 | S |
| 36.583 | 0.0000 | 0.0000 | 83.786 | 0.79372 | 0.00000 | 602892.1 | 309411.9 | 0.0 | S |
| 36.592 | 0.0000 | 0.0000 | 83.786 | 0.79350 | 0.00000 | 602892.4 | 309435.7 | 0.0 | S |
| 36.600 | 0.0000 | 0.0000 | 83.786 | 0.79328 | 0.00000 | 602892.1 | 309459.5 | 0.0 | S |
| 36.608 | 0.0000 | 0.0000 | 83.785 | 0.79307 | 0.00000 | 602892.1 | 309483.3 | 0.0 | S |
| 36.617 | 0.0000 | 0.0000 | 83.785 | 0.79285 | 0.00000 | 602892.1 | 309507.1 | 0.0 | S |
| 36.625 | 0.0000 | 0.0000 | 83.785 | 0.79263 | 0.00000 | 602892.1 | 309530.9 | 0.0 | S |
| 36.633 | 0.0000 | 0.0000 | 83.784 | 0.79242 | 0.00000 | 602892.1 | 309554.7 | 0.0 | S |
| 36.642 | 0.0000 | 0.0000 | 83.784 | 0.79220 | 0.00000 | 602892.1 | 309578.4 | 0.0 | S |
| 36.650 | 0.0000 | 0.0000 | 83.784 | 0.79198 | 0.00000 | 602892.1 | 309602.2 | 0.0 | S |
| 36.658 | 0.0000 | 0.0000 | 83.783 | 0.79177 | 0.00000 | 602892.1 | 309625.9 | 0.0 | S |
| 36.667 | 0.0000 | 0.0000 | 83.783 | 0.79155 | 0.00000 | 602892.1 | 309649.7 | 0.0 | S |
| 36.675 | 0.0000 | 0.0000 | 83.783 | 0.79133 | 0.00000 | 602892.1 | 309673.4 | 0.0 | S |
| 36.683 | 0.0000 | 0.0000 | 83.782 | 0.79112 | 0.00000 | 602892.1 | 309697.2 | 0.0 | S |
| 36.692 | 0.0000 | 0.0000 | 83.782 | 0.79090 | 0.00000 | 602892.1 | 309720.9 | 0.0 | S |
| 36.700 | 0.0000 | 0.0000 | 83.782 | 0.79068 | 0.00000 | 602892.1 | 309744.6 | 0.0 | S |
| 36.708 | 0.0000 | 0.0000 | 83.781 | 0.79047 | 0.00000 | 602892.1 | 309768.3 | 0.0 | S |
| 36.717 | 0.0000 | 0.0000 | 83.781 | 0.79025 | 0.00000 | 602892.1 | 309792.0 | 0.0 | S |
| 36.725 | 0.0000 | 0.0000 | 83.781 | 0.79004 | 0.00000 | 602892.1 | 309875.8 | 0.0 | S |
| 36.733 | 0.0000 | 0.0000 | 83.780 | 0.78982 | 0.00000 | 602892.1 | 309839.4 | 0.0 | S |
| 36.742 | 0.0000 | 0.0000 | 83.780 | 0.78961 | 0.00000 | 602892.1 | 309863.1 | 0.0 | S |
| 36.750 | 0.0000 | 0.0000 | 83.780 | 0.78939 | 0.00000 | 602892.1 | 309886.8 | 0.0 | S |
| 36.758 | 0.0000 | 0.0000 | 83.779 | 0.78918 | 0.00000 | 602892.1 | 309910.5 | 0.0 | S |
| 36.767 | 0.0000 | 0.0000 | 83.779 | 0.78896 | 0.00000 | 602892.1 | 309934.2 | 0.0 | S |
| 36.775 | 0.0000 | 0.0000 | 83.779 | 0.78875 | 0.00000 | 602892.1 | 309957.8 | 0.0 | S |
| 36.783 | 0.0000 | 0.0000 | 83.778 | 0.78853 | 0.00000 | 602892.1 | 309981.5 | 0.0 | S |
| 36.792 | 0.0000 | 0.0000 | 83.778 | 0.78832 | 0.00000 | 602892.1 | 310005.2 | 0.0 | S |
| 36.800 | 0.0000 | 0.0000 | 83.777 | 0.78811 | 0.00000 | 602892.1 | 310028.8 | 0.0 | S |
| 36.808 | 0.0000 | 0.0000 | 83.777 | 0.78789 | 0.00000 | 602892.1 | 310052.4 | 0.0 | S |
| 36.817 | 0.0000 | 0.0000 | 83.777 | 0.78768 | 0.00000 | 602892.1 | 310076.1 | 0.0 | S |
| 36.825 | 0.0000 | 0.0000 | 83.776 | 0.78746 | 0.00000 | 602892.1 | 310099.7 | 0.0 | S |
| 36.833 | 0.0000 | 0.0000 | 83.776 | 0.78725 | 0.00000 | 602892.1 | 310123.3 | 0.0 | S |
| 36.842 | 0.0000 | 0.0000 | 83.776 | 0.78704 | 0.00000 | 602892.1 | 310146.9 | 0.0 | S |
| 36.850 | 0.0000 | 0.0000 | 83.775 | 0.78682 | 0.00000 | 602892.1 | 310170.5 | 0.0 | S |
| 36.858 | 0.0000 | 0.0000 | 83.775 | 0.78661 | 0.00000 | 602892.1 | 310194.1 | 0.0 | S |
| 36.867 | 0.0000 | 0.0000 | 83.775 | 0.78640 | 0.00000 | 602892.1 | 310217.8 | 0.0 | S |
| 36.875 | 0.0000 | 0.0000 | 83.774 | 0.78618 | 0.00000 | 602892.1 | 310241.3 | 0.0 | S |
| 36.883 | 0.0000 | 0.0000 | 83.774 | 0.78597 | 0.00000 | 602892.1 | 310264.9 | 0.0 | S |
| 36.892 | 0.0000 | 0.0000 | 83.774 | 0.78576 | 0.00000 | 602892.1 | 310288.5 | 0.0 | S |
| 36.900 | 0.0000 | 0.0000 | 83.773 | 0.78555 | 0.00000 | 602892.1 | 310312.1 | 0.0 | S |
| 36,908 | 0.0000 | 0.0000 | 83.773 | 0.78533 | 0.00000 | 602892.1 | 310335.6 | 0.0 | S |
| 36.917 | 0.0000 | 0.0000 | 83.773 | 0.78512 | 0.00000 | 602892.1 | 310359.2 | 0.0 | S |
| 36.925 | 0.0000 | 0.0000 | 83.772 | 0.78481 | 0.00000 | 602892.1 | 310382.7 | 0.0 | S |
| 36.933 | 0.0000 | 0.0000 | 83.772 | 0.78470 | 0.00000 | 602892.1 | 310406.3 | 0.0 | S |
| 36.942 | 0.0000 | 0.0000 | 83.772 | 0.78448 | 0.00000 | 602892.1 | 310429.8 | 0.0 | S |
| 36.950 | 0.0000 | 0.0000 | 83.771 | 0.78427 | 0.00000 | 602892.1 | 310453.3 | 0.0 | S |
| 36.958 | 0.0000 | 0.0000 | 83.771 | 0.78406 | 0.00000 | 602892.1 | 310476.9 | 0.0 | S |
| 36.967 | 0.0000 | 0.0000 | 83.771 | 0.78385 | 0.00000 | 602892.1 | 310500.4 | 0.0 | S |
| 36.975 | 0.0000 | 0.0000 | 83.770 | 0.78364 | 0.00000 | 602892.1 | 310523.9 | 0.0 | S |
| 36.983 | 0.0000 | 0.0000 | 83.770 | 0.78343 | 0.00000 | 602892.1 | 310547.4 | 0.0 | S |
| 36.992 | 0.0000 | 0.0000 | 83.770 | 0.78322 | 0.00000 | 602892.1 | 310570.9 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overlow Dischafge (fi3/s) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{t}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 37.000 | 0.0000 | 0.0000 | 83.769 | 0.78301 | 0.00000 | 602892.1 | 310594.4 | 0.0 | S |
| 37.008 | 0.0000 | 0.0000 | 83.769 | 0.78279 | 0.00000 | 602892.1 | 310617.9 | 0.0 | S |
| 37.017 | 0.0000 | 0.0000 | 83.769 | 0.78258 | 0.00000 | 602892.1 | 310641.3 | 0.0 | S |
| 37.025 | 0.0000 | 0.0000 | 83.768 | 0.78237 | 0.00000 | 602892.1 | 310664.8 | 0.0 | S |
| 37.033 | 0.0000 | 0.0000 | 83.768 | 0.78216 | 0.00000 | 602892.1 | 310688.3 | 0.0 | S |
| 37.042 | 0.0000 | 0.0000 | 83.767 | 0.78195 | 0.00000 | 602892.1 | 310711.8 | 0.0 | S |
| 37.050 | 0.0000 | 0.0000 | 83.767 | 0.78174 | 0.00000 | 602892.1 | 310735.2 | 0.0 | S |
| 37.058 | 0.0000 | 0.0000 | 83.767 | 0.78153 | 0.00000 | 602892.1 | 310758.7 | 0.0 | S |
| 37.067 | 0.0000 | 0.0000 | 83.766 | 0.78132 | 0.00000 | 602892.1 | 310782.1 | 0.0 | S |
| 37.075 | 0.0000 | 0.0000 | 83.766 | 0.78111 | 0.00000 | 602892.1 | 310805.5 | 0.0 | S |
| 37.083 | 0.0000 | 0.0000 | 83.766 | 0.78090 | 0.00000 | 602892.1 | 310829.0 | 0.0 | S |
| 37.092 | 0.0000 | 0.0000 | 83.765 | 0.78069 | 0.00000 | 602892.1 | 310852.4 | 0.0 | S |
| 37.100 | 0.0000 | 0.0000 | 83.765 | 0.78048 | 0.00000 | 602892.1 | 310875.8 | 0.0 | S |
| 37.108 | 0.0000 | 0.0000 | 83.765 | 0.78027 | 0.00000 | 602892.1 | 310899.2 | 0.0 | S |
| 37.197 | 0.0000 | 0.0000 | 83.764 | 0.78007 | 0.00000 | 602892.1 | 310922.6 | 0.0 | S |
| 37.125 | 0.0000 | 0.0000 | 83.764 | 0.77986 | 0.00000 | 602892.1 | 310946.0 | 0.0 | S |
| 37.133 | 0.0000 | 0.0000 | 83.764 | 0.77965 | 0.00000 | 602892.1 | 310969.4 | 0.0 | S |
| 37.142 | 0.0000 | 0.0000 | 83.763 | 0.77944 | 0.00000 | 602892.1 | 310992.8 | 0.0 | S |
| 37.150 | 0.0000 | 0.0000 | 83.763 | 0.77923 | 0.00000 | 602892.1 | 311016.2 | 0.0 | S |
| 37.158 | 0.0000 | 0.0000 | 83.763 | 0.77902 | 0.00000 | 602892.1 | 311039.6 | 0.0 | S |
| 37.167 | 0.0000 | 0.0000 | 83.762 | 0.77881 | 0.00000 | 602892.1 | 311062.9 | 0.0 | S |
| 37.175 | 0.0000 | 0.0000 | 83.762 | 0.77861 | 0.00000 | 602892.1 | 311086.3 | 0.0 | S |
| 37.183 | 0.0000 | 0.0000 | 83.762 | 0.77840 | 0.00000 | 602892.1 | 311109.7 | 0.0 | S |
| 37.192 | 0.0000 | 0.0000 | 83.761 | 0.77819 | 0.00000 | 602892.1 | 311133.0 | 0.0 | S |
| 37.200 | 0.0000 | 0.0000 | 83.761 | 0.77798 | 0.00000 | 602892.1 | 311156.3 | 0.0 | S |
| 37.208 | 0.0000 | 0.0000 | 83.761 | 0.77777 | 0.00000 | 602892.1 | 311179.7 | 0.0 | S |
| 37.217 | 0.0000 | 0.0000 | 83.760 | 0.77757 | 0.00000 | 602892.1 | 311203.0 | 0.0 | S |
| 37.225 | 0.0000 | 0.0000 | 83.760 | 0.77736 | 0.00000 | 602892.1 | 311226.3 | 0.0 | S |
| 37.233 | 0.0000 | 0.0000 | 83.760 | 0.77715 | 0.00000 | 602892.1 | 311249.7 | 0.0 | S |
| 37.242 | 0.0000 | 0.0000 | 83.759 | 0.77694 | 0.00000 | 602892.1 | 311273.0 | 0.0 | S |
| 37.250 | 0.0000 | 0.0000 | 83.759 | 0.77674 | 0.00000 | 602892.1 | 311296.3 | 0.0 | S |
| 37.258 | 0.0000 | 0.0000 | 83.759 | 0.77653 | 0.00000 | 602892.1 | 311319.6 | 0.0 | S |
| 37.267 | 0.0000 | 0.0000 | 83.758 | 0.77632 | 0.00000 | 602892.1 | 311342.8 | 0.0 | S |
| 37.275 | 0.0000 | 0.0000 | 83.758 | 0.77612 | 0.00000 | 602892.1 | 311366.2 | 0.0 | S |
| 37.283 | 0.0000 | 0.0000 | 83.758 | 0.77591 | 0.00000 | 602892.1 | 311389.4 | 0.0 | S |
| 37.292 | 0.0000 | 0.0000 | 83.757 | 0.77570 | 0.00000 | 602892.1 | 311412.7 | 0.0 | S |
| 37.300 | 0.0000 | 0.0000 | 83.757 | 0.77550 | 0.00000 | 602892.1 | 311436.0 | 0.0 | S |
| 37.308 | 0.0000 | 0.0000 | 83.757 | 0.77529 | 0.00000 | 602892.1 | 311459.2 | 0.0 | S |
| 37.317 | 0.0000 | 0.0000 | 83.756 | 0.77509 | 0.00000 | 602892.1 | 311482.5 | 0.0 | S |
| 37.325 | 0.0000 | 0.0000 | 83.756 | 0.77488 | 0.00000 | 602892.1 | 311505.7 | 0.0 | S |
| 37.333 | 0.0000 | 0.0000 | 83.756 | 0.77467 | 0.00000 | 602892.1 | 311529.0 | 0.0 | S |
| 37.342 | 0.0000 | 0.0000 | 83.755 | 0.77447 | 0.00000 | 602892.1 | 311552.2 | 0.0 | S |
| 37.350 | 0.0000 | 0.0000 | 83.755 | 0.77426 | 0.00000 | 602892.1 | 311575.4 | 0.0 | S |
| 37.358 | 0.0000 | 0.0000 | 83.754 | 0.77406 | 0.00000 | 602892.1 | 311598.7 | 0.0 | S |
| 37.367 | 0.0000 | 0.0000 | 83.754 | 0.77385 | 0.00000 | 602892.1 | 311621.9 | 0.0 | S |
| 37.375 | 0.0000 | 0.0000 | 83.754 | 0.77365 | 0.00000 | 602892.1 | 311645.1 | 0.0 | S |
| 37.383 | 0.0000 | 0.0000 | 83.753 | 0.77344 | 0.00000 | 602892.1 | 311668.3 | 0.0 | S |
| 37.392 | 0.0000 | 0.0000 | 83.753 | 0.77324 | 0.00000 | 602892.1 | 311691.5 | 0.0 | S |
| 37.400 | 0.0000 | 0.0000 | 83.753 | 0.77303 | 0.00000 | 602892.1 | 311714.7 | 0.0 | S |
| 37.408 | 0.0000 | 0.0000 | 83.752 | 0.77283 | 0.00000 | 602892.1 | 311737.9 | 0.0 | S |
| 37.417 | 0.0000 | 0.0000 | 83.752 | 0.77262 | 0.00000 | 602892.1 | 311761.1 | 0.0 | S |
| 37.425 | 0.0000 | 0.0000 | 83.752 | 0.77242 | 0.00000 | 602892.1 | 311784.3 | 0.0 | S |
| 37.433 | 0.0000 | 0.0000 | 83.751 | 0.77222 | 0.00000 | 602892.1 | 311807.4 | 0.0 | S |
| 37.442 | 0.0000 | 0.0000 | 83.751 | 0.77201 | 0.00000 | 602892.1 | 311830.6 | 0.0 | S |
| 37.450 | 0.0000 | 0.0000 | 83.751 | 0.77181 | 0.00000 | 602892.1 | 311853.8 | 0.0 | S |
| 37.458 | 0.0000 | 0.0000 | 83.750 | 0.77160 | 0.00000 | 602892.1 | 311876.9 | 0.0 | S |
| 37.467 | 0.0000 | 0.0000 | 83.750 | 0.77140 | 0.00000 | 602892.1 | 311900.0 | 0.0 | S |
| 37.475 | 0.0000 | 0.0000 | 83.750 | 0.77120 | 0.00000 | 602892.1 | 311923.2 | 0.0 | S |
| 37.483 | 0.0000 | 0.0000 | 83.749 | 0.77099 | 0.00000 | 602892.1 | 311946.3 | 0.0 | S |
| 37.492 | 0.0000 | 0.0000 | 83.749 | 0.77079 | 0.00000 | 602892.1 | 311969.4 | 0.0 | S |
| 37.500 | 0.0000 | 0.0000 | 83.749 | 0.77059 | 0.00000 | 602892.1 | 311992.6 | 0.0 | S |
| 37.508 | 0.0000 | 0.0000 | 83.748 | 0.77038 | 0.00000 | 602892.1 | 312015.7 | 0.0 | S |
| 37.517 | 0.0000 | 0.0000 | 83.748 | 0.77018 | 0.00000 | 602892.1 | 312038.8 | 0.0 | S |
| 37.525 | 0.0000 | 0.0000 | 83.748 | 0.76998 | 0.00000 | 602892.1 | 312061.9 | 0.0 | S |
| 37.533 | 0.0000 | 0.0000 | 83.747 | 0.76977 | 0.00000 | 602892.1 | 312085.0 | 0.0 | S |
| 37.542 | 0.0000 | 0.0000 | 83.747 | 0.76957 | 0.00000 | 602892.1 | 312108.1 | 0.0 | S |
| 37.550 | 0.0000 | 0.0000 | 83.747 | 0.76937 | 0.00000 | 602892.1 | 312131.2 | 0.0 | S |
| 37.558 | 0.0000 | 0.0000 | 83.746 | 0.76917 | 0.00000 | 602892.1 | 312154.2 | 0.0 | S |
| 37.567 | 0.0000 | 0.0000 | 83.746 | 0.76897 | 0.00000 | 602892.1 | 312177.3 | 0.0 | S |
| 37.575 | 0.0000 | 0.0000 | 83.746 | 0.76876 | 0.00000 | 602892.1 | 312200.4 | 0.0 | S |
| 37.583 | 0.0000 | 0.0000 | 83.745 | 0.76856 | 0.00000 | 602892.1 | 312223.4 | 0.0 | S |
| 37.592 | 0.0000 | 0.0000 | 83.745 | 0.76836 | 0.00000 | 602892.1 | 312246.5 | 0.0 | S |
| 37.600 | 0.0000 | 0.0000 | 83.745 | 0.76816 | 0.00000 | 602892.1 | 312269.5 | 0.0 | S |
| 37.608 | 0.0000 | 0.0000 | 83.744 | 0.76796 | 0.00000 | 602892.1 | 312292.6 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (fi/day) | Stage Elevation (ft datum) | Infittration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infittration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 37.617 | 0.0000 | 0.0000 | 83.744 | 0.76775 | 0.00000 | 602892.1 | 312315.6 | 0.0 | S |
| 37.625 | 0.0000 | 0.0000 | 83.744 | 0.76755 | 0.00000 | 602892.1 | 312338.6 | 0.0 | S |
| 37.633 | 0.0000 | 0.0000 | 83.743 | 0.76735 | 0.00000 | 602892.1 | 312361.7 | 0.0 | S |
| 37.642 | 0.0000 | 0.0000 | 83.743 | 0.76715 | 0.00000 | 602892.1 | 312384.7 | 0.0 | S |
| 37.650 | 0.0000 | 0.0000 | 83.743 | 0.76695 | 0.00000 | 602892.1 | 312407.7 | 0.0 | S |
| 37.658 | 0.0000 | 0.0000 | 83.742 | 0.76675 | 0.00000 | 602892.1 | 312430.7 | 0.0 | S |
| 37.667 | 0.0000 | 0.0000 | 83.742 | 0.76655 | 0.00000 | 602892.1 | 312453.7 | 0.0 | S |
| 37.675 | 0.0000 | 0.0000 | 83.742 | 0.76635 | 0.00000 | 602892.1 | 312476.7 | 0.0 | S |
| 37.683 | 0.0000 | 0.0000 | 83.741 | 0.76615 | 0.00000 | 602892.1 | 312499.7 | 0.0 | S |
| 37.692 | 0.0000 | 0.0000 | 83.741 | 0.76595 | 0.00000 | 602892.1 | 312522.7 | 0.0 | S |
| 37.700 | 0.0000 | 0.0000 | 83.741 | 0.76575 | 0.00000 | 602892.1 | 312545.6 | 0.0 | S |
| 37.708 | 0.0000 | 0.0000 | 83.740 | 0.76555 | 0.00000 | 602892.1 | 312568.6 | 0.0 | S |
| 37.717 | 0.0000 | 0.0000 | 83.740 | 0.76535 | 0.00000 | 602892.1 | 312591.6 | 0.0 | S |
| 37.725 | 0.0000 | 0.0000 | 83.740 | 0.76515 | 0.00000 | 602892.1 | 312614.5 | 0.0 | S |
| 37.733 | 0.0000 | 0.0000 | 83.739 | 0.76495 | 0.00000 | 602892.1 | 312637.5 | 0.0 | S |
| 37.742 | 0.0000 | 0.0000 | 83.739 | 0.76475 | 0.00000 | 602892.1 | 312660.4 | 0.0 | S |
| 37.750 | 0.0000 | 0.0000 | 83.739 | 0.76455 | 0.00000 | 602892.1 | 312683.3 | 0.0 | S |
| 37.758 | 0.0000 | 0.0000 | 83.738 | 0.76435 | 0.00000 | 602892.1 | 312706.3 | 0.0 | S |
| 37.767 | 0.0000 | 0.0000 | 83.738 | 0.76415 | 0.00000 | 602892.1 | 312729.2 | 0.0 | S |
| 37.775 | 0.0000 | 0.0000 | 83.738 | 0.76395 | 0.00000 | 602892.1 | 312752.1 | 0.0 | S |
| 37.783 | 0.0000 | 0.0000 | 83.737 | 0.76375 | 0.00000 | 602892.1 | 312775.1 | 0.0 | S |
| 37.792 | 0.0000 | 0.0000 | 83.737 | 0.76355 | 0.00000 | 602892.1 | 312798.0 | 0.0 | S |
| 37.800 | 0.0000 | 0.0000 | 83.737 | 0.76335 | 0.00000 | 602892.1 | 312820.9 | 0.0 | S |
| 37.808 | 0.0000 | 0.0000 | 83.736 | 0.76315 | 0.00000 | 602892.1 | 312843.8 | 0.0 | S |
| 37.817 | 0.0000 | 0.0000 | 83.736 | 0.76296 | 0.00000 | 602892.1 | 312866.7 | 0.0 | S |
| 37.825 | 0.0000 | 0.0000 | 83.736 | 0.76276 | 0.00000 | 602892.1 | 312889.5 | 0.0 | S |
| 37.833 | 0.0000 | 0.0000 | 83.735 | 0.76256 | 0.00000 | 602892.1 | 312912.4 | 0.0 | S |
| 37.842 | 0.0000 | 0.0000 | 83.735 | 0.76236 | 0.00000 | 602892.1 | 312935.3 | 0.0 | S |
| 37.850 | 0.0000 | 0.0000 | 83.735 | 0.76216 | 0.00000 | 602892.1 | 312958.2 | 0.0 | S |
| 37.858 | 0.0000 | 0.0000 | 83.734 | 0.76197 | 0.00000 | 602892.1 | 312981.0 | 0.0 | S |
| 37.867 | 0.0000 | 0.0000 | 83.734 | 0.76177 | 0.00000 | 602892.1 | 313003.9 | 0.0 | S |
| 37.875 | 0.0000 | 0.0000 | 83.734 | 0.76157 | 0.00000 | 602892.1 | 313026.7 | 0.0 | S |
| 37.883 | 0.0000 | 0.0000 | 83.733 | 0.76137 | 0.00000 | 602892.1 | 313049.6 | 0.0 | S |
| 37.892 | 0.0000 | 0.0000 | 83.733 | 0.76118 | 0.00000 | 602892.1 | 313072.4 | 0.0 | S |
| 37.900 | 0.0000 | 0.0000 | 83.733 | 0.76098 | 0.00000 | 602892.1 | 313095.3 | 0.0 | S |
| 37.908 | 0.0000 | 0.0000 | 83.732 | 0.76078 | 0.00000 | 602892.1 | 313118.1 | 0.0 | S |
| 37.917 | 0.0000 | 0.0000 | 83.732 | 0.76058 | 0.00000 | 602892.1 | 313140.9 | 0.0 | S |
| 37.925 | 0.0000 | 0.0000 | 83.732 | 0.76039 | 0.00000 | 602892.1 | 313163.7 | 0.0 | S |
| 37.933 | 0.0000 | 0.0000 | 83.731 | 0.76019 | 0.00000 | 602892.1 | 313186.5 | 0.0 | S |
| 37.942 | 0.0000 | 0.0000 | 83.731 | 0.75999 | 0.00000 | 602892.1 | 313209.3 | 0.0 | S |
| 37.950 | 0.0000 | 0.0000 | 83.731 | 0.75980 | 0.00000 | 602892.1 | 313232.1 | 0.0 | S |
| 37.958 | 0.0000 | 0.0000 | 83.730 | 0.75960 | 0.00000 | 602892.1 | 313254.9 | 0.0 | S |
| 37.967 | 0.0000 | 0.0000 | 83.730 | 0.75940 | 0.00000 | 602892.1 | 313277.7 | 0.0 | S |
| 37.975 | 0.0000 | 0.0000 | 83.730 | 0.75921 | 0.00000 | 602892.1 | 313300.5 | 0.0 | S |
| 37.983 | 0.0000 | 0.0000 | 83.729 | 0.75901 | 0.00000 | 602892.1 | 313323.3 | 0.0 | S |
| 37.992 | 0.0000 | 0.0000 | 83.729 | 0.75882 | 0.00000 | 602892.1 | 313346.0 | 0.0 | S |
| 38.000 | 0.0000 | 0.0000 | 83.729 | 0.75862 | 0.00000 | 602892.1 | 313368.8 | 0.0 | S |
| 38.008 | 0.0000 | 0.0000 | 83.728 | 0.75842 | 0.00000 | 602892.1 | 313391.5 | 0.0 | S |
| 38.017 | 0.0000 | 0.0000 | 83.728 | 0.75823 | 0.00000 | 602892.1 | 313414.3 | 0.0 | S |
| 38.025 | 0.0000 | 0.0000 | 83.728 | 0.75803 | 0.00000 | 602892.1 | 313437.0 | 0.0 | S |
| 38.033 | 0.0000 | 0.0000 | 83.727 | 0.75784 | 0.00000 | 602892.1 | 313459.8 | 0.0 | S |
| 38.042 | 0.0000 | 0.0000 | 83.727 | 0.75764 | 0.00000 | 602892.1 | 313482.5 | 0.0 | S |
| 38.050 | 0.0000 | 0.0000 | 83.727 | 0.75745 | 0.00000 | 602892.1 | 313505.2 | 0.0 | S |
| 38.058 | 0.0000 | 0.0000 | 83.726 | 0.75725 | 0.00000 | 602892.1 | 313527.9 | 0.0 | S |
| 38.067 | 0.0000 | 0.0000 | 83.726 | 0.75706 | 0.00000 | 602892.1 | 313550.7 | 0.0 | S |
| 38.075 | 0.0000 | 0.0000 | 83.726 | 0.75686 | 0.00000 | 602892.1 | 313573.4 | 0.0 | S |
| 38.083 | 0.0000 | 0.0000 | 83.725 | 0.75667 | 0.00000 | 602892.1 | 313596.1 | 0.0 | S |
| 38.092 | 0.0000 | 0.0000 | 83.725 | 0.75647 | 0.00000 | 602892.1 | 313618.8 | 0.0 | S |
| 38.100 | 0.0000 | 0.0000 | 83.725 | 0.75628 | 0.00000 | 602892.1 | 313641.4 | 0.0 | S |
| 38.108 | 0.0000 | 0.0000 | 83.724 | 0.75608 | 0.00000 | 602892.1 | 313664.1 | 0.0 | S |
| 38.117 | 0.0000 | 0.0000 | 83.724 | 0.75589 | 0.00000 | 602892.1 | 313686.8 | 0.0 | S |
| 38.125 | 0.0000 | 0.0000 | 83.724 | 0.75569 | 0.00000 | 602892.1 | 313709.5 | 0.0 | S |
| 38.133 | 0.0000 | 0.0000 | 83.723 | 0.75550 | 0.00000 | 602892.1 | 313732.2 | 0.0 | S |
| 38.142 | 0.0000 | 0.0000 | 83.723 | 0.75531 | 0.00000 | 602892.1 | 313754.8 | 0.0 | S |
| 38.150 | 0.0000 | 0.0000 | 83.723 | 0.75511 | 0.00000 | 602892.1 | 313777.5 | 0.0 | S |
| 38.158 | 0.0000 | 0.0000 | 83.722 | 0.75492 | 0.00000 | 602892.1 | 313800.1 | 0.0 | S |
| 38.167 | 0.0000 | 0.0000 | 83.722 | 0.75473 | 0.00000 | 602892.1 | 313822.8 | 0.0 | S |
| 38.175 | 0.0000 | 0.0000 | 83.722 | 0.75453 | 0.00000 | 602892.1 | 313845.4 | 0.0 | S |
| 38.183 | 0.0000 | 0.0000 | 83.721 | 0.75434 | 0.00000 | 602892.1 | 313868.0 | 0.0 | S |
| 38.192 | 0.0000 | 0.0000 | 83.721 | 0.75415 | 0.00000 | 602892.1 | 313890.7 | 0.0 | S |
| 38.200 | 0.0000 | 0.0000 | 83.721 | 0.75395 | 0.00000 | 602892.1 | 313913.3 | 0.0 | S |
| 38.208 | 0.0000 | 0.0000 | 83.720 | 0.75376 | 0.00000 | 602892.1 | 313935.9 | 0.0 | S |
| 38.217 | 0.0000 | 0.0000 | 83.720 | 0.75357 | 0.00000 | 602892.1 | 313958.5 | 0.0 | S |
| 38.225 | 0.0000 | 0.0000 | 83.720 | 0.75337 | 0.00000 | 602892.1 | 313981.1 | 0.0 | S |

PONDS Version 3.2.0207

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Outside Recharge (tt/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 38.233 | 0.0000 | 0.0000 | 83.719 | 0.75318 | 0.00000 | 602892.1 | 314003.7 | 0.0 | S |
| 38.242 | 0.0000 | 0.0000 | 83.719 | 0.75299 | 0.00000 | 602892.1 | 314026.3 | 0.0 | S |
| 38.250 | 0.0000 | 0.0000 | 83.719 | 0.75280 | 0.00000 | 602892.1 | 314048.9 | 0.0 | S |
| 38.258 | 0.0000 | 0.0000 | 83.718 | 0.75260 | 0.00000 | 602892.1 | 314071.5 | 0.0 | S |
| 38.267 | 0.0000 | 0.0000 | 83.718 | 0.75241 | 0.00000 | 602892.1 | 314094.1 | 0.0 | S |
| 38.275 | 0.0000 | 0.0000 | 83.718 | 0.75222 | 0.00000 | 602892.1 | 314116.6 | 0.0 | S |
| 38.283 | 0.0000 | 0.0000 | 83.717 | 0.75203 | 0.00000 | 602892.1 | 314139.2 | 0.0 | S |
| 38.292 | 0.0000 | 0.0000 | 83.717 | 0.75184 | 0.00000 | 602892.1 | 314161.8 | 0.0 | S |
| 38.300 | 0.0000 | 0.0000 | 83.717 | 0.75165 | 0.00000 | 602892.1 | 314184.3 | 0.0 | S |
| 38.308 | 0.0000 | 0.0000 | 83.716 | 0.75145 | 0.00000 | 602892.1 | 314206.8 | 0.0 | S |
| 38.317 | 0.0000 | 0.0000 | 83.716 | 0.75126 | 0.00000 | 602892.1 | 314229.4 | 0.0 | S |
| 38.325 | 0.0000 | 0.0000 | 83.716 | 0.75107 | 0.00000 | 602892.1 | 314251.9 | 0.0 | S |
| 38.333 | 0.0000 | 0.0000 | 83.715 | 0.75088 | 0.00000 | 602892.1 | 314274.4 | 0.0 | S |
| 38.342 | 0.0000 | 0.0000 | 83.715 | 0.75069 | 0.00000 | 602892.1 | 314297.0 | 0.0 | S |
| 38.350 | 0.0000 | 0.0000 | 83.715 | 0.75050 | 0.00000 | 602892.1 | 314319.5 | 0.0 | S |
| 38.358 | 0.0000 | 0.0000 | 83.714 | 0.75031 | 0.00000 | 602892.1 | 314342.0 | 0.0 | S |
| 38.367 | 0.0000 | 0.0000 | 83.714 | 0.75012 | 0.00000 | 602892.1 | 314364.5 | 0.0 | S |
| 38.375 | 0.0000 | 0.0000 | 83.714 | 0.74992 | 0.00000 | 602892.1 | 314387.0 | 0.0 | S |
| 38.383 | 0.0000 | 0.0000 | 83.713 | 0.74973 | 0.00000 | 602892.1 | 314409.5 | 0.0 | S |
| 38.392 | 0.0000 | 0.0000 | 83.713 | 0.74954 | 0.00000 | 602892.1 | 314432.0 | 0.0 | S |
| 38.400 | 0.0000 | 0.0000 | 83.713 | 0.74935 | 0.00000 | 602892.1 | 314454.5 | 0.0 | S |
| 38.408 | 0.0000 | 0.0000 | 83.712 | 0.74916 | 0.00000 | 602892.1 | 314477.0 | 0.0 | S |
| 38.417 | 0.0000 | 0.0000 | 83.712 | 0.74897 | 0.00000 | 602892.1 | 314499.4 | 0.0 | S |
| 38.425 | 0.0000 | 0.0000 | 83.712 | 0.74878 | 0.00000 | 602892.1 | 314521.9 | 0.0 | S |
| 38.433 | 0.0000 | 0.0000 | 83.711 | 0.74859 | 0.00000 | 602892.1 | 314544.3 | 0.0 | S |
| 38.442 | 0.0000 | 0.0000 | 83.711 | 0.74840 | 0.00000 | 602892.1 | 314566.8 | 0.0 | S |
| 38.450 | 0.0000 | 0.0000 | 83.711 | 0.74821 | 0.00000 | 602892.1 | 314589.3 | 0.0 | S |
| 38.458 | 0.0000 | 0.0000 | 83.710 | 0.74802 | 0.00000 | 602892.1 | 314611.7 | 0.0 | S |
| 38.467 | 0.0000 | 0.0000 | 83.710 | 0.74783 | 0.00000 | 602892.1 | 314634.2 | 0.0 | S |
| 38.475 | 0.0000 | 0.0000 | 83.710 | 0.74764 | 0.00000 | 602892.1 | 314656.6 | 0.0 | S |
| 38.483 | 0.0000 | 0.0000 | 83.709 | 0.74746 | 0.00000 | 602892.1 | 314679.0 | 0.0 | S |
| 38.492 | 0.0000 | 0.0000 | 83.709 | 0.74727 | 0.00000 | 602892.1 | 314701.4 | 0.0 | S |
| 38.500 | 0.0000 | 0.0000 | 83.709 | 0.74708 | 0.00000 | 602892.1 | 314723.8 | 0.0 | S |
| 38.508 | 0.0000 | 0.0000 | 83.708 | 0.74689 | 0.00000 | 602892.1 | 314746.3 | 0.0 | S |
| 38.517 | 0.0000 | 0.0000 | 83.708 | 0.74670 | 0.00000 | 602892.1 | 314768.7 | 0.0 | S |
| 38.525 | 0.0000 | 0.0000 | 83.708 | 0.74651 | 0.00000 | 602892.1 | 314791.1 | 0.0 | S |
| 38.533 | 0.0000 | 0.0000 | 83.707 | 0.74632 | 0.00000 | 602892.1 | 314813.4 | 0.0 | S |
| 38.542 | 0.0000 | 0.0000 | 83.707 | 0.74613 | 0.00000 | 602892.1 | 314835.8 | 0.0 | S |
| 38.550 | 0.0000 | 0.0000 | 83.707 | 0.74594 | 0.00000 | 602892.1 | 314858.2 | 0.0 | S |
| 38.558 | 0.0000 | 0.0000 | 83.706 | 0.74576 | 0.00000 | 602892.1 | 314880.6 | 0.0 | S |
| 38.567 | 0.0000 | 0.0000 | 83.706 | 0.74557 | 0.00000 | 602892.1 | 314903.0 | 0.0 | S |
| 38.575 | 0.0000 | 0.0000 | 83.706 | 0.74538 | 0.00000 | 602892.1 | 314925.3 | 0.0 | S |
| 38.583 | 0.0000 | 0.0000 | 83.705 | 0.74519 | 0.00000 | 602892.1 | 314947.7 | 0.0 | S |
| 38.592 | 0.0000 | 0.0000 | 83.705 | 0.74500 | 0.00000 | 602892.1 | 314970.0 | 0.0 | S |
| 38.600 | 0.0000 | 0.0000 | 83.705 | 0.74482 | 0.00000 | 602892.1 | 314992.4 | 0.0 | S |
| 38.608 | 0.0000 | 0.0000 | 83.704 | 0.74463 | 0.00000 | 602892.1 | 315014.7 | 0.0 | S |
| 38.617 | 0.0000 | 0.0000 | 83.704 | 0.74444 | 0.00000 | 602892.1 | 315037.1 | 0.0 | S |
| 38.625 | 0.0000 | 0.0000 | 83.704 | 0.74425 | 0.00000 | 602892.1 | 315059.4 | 0.0 | S |
| 38.633 | 0.0000 | 0.0000 | 83.703 | 0.74407 | 0.00000 | 602892.1 | 315081.7 | 0.0 | S |
| 38.642 | 0.0000 | 0.0000 | 83.703 | 0.74388 | 0.00000 | 602892.1 | 315104.0 | 0.0 | S |
| 38.650 | 0.0000 | 0.0000 | 83.703 | 0.74369 | 0.00000 | 602892.1 | 315126.3 | 0.0 | S |
| 38.658 | 0.0000 | 0.0000 | 83.702 | 0.74351 | 0.00000 | 602892.1 | 315148.7 | 0.0 | S |
| 38.667 | 0.0000 | 0.0000 | 83.702 | 0.74332 | 0.00000 | 602892.1 | 315171.0 | 0.0 | S |
| 38.675 | 0.0000 | 0.0000 | 83.702 | 0.74313 | 0.00000 | 602892.1 | 315193.3 | 0.0 | S |
| 38.683 | 0.0000 | 0.0000 | 83.701 | 0.74295 | 0.00000 | 602892.1 | 315215.5 | 0.0 | S |
| 38.692 | 0.0000 | 0.0000 | 83.701 | 0.74276 | 0.00000 | 602892.1 | 315237.8 | 0.0 | S |
| 38.700 | 0.0000 | 0.0000 | 83.701 | 0.74257 | 0.00000 | 602892.1 | 315260.1 | 0.0 | S |
| 38.708 | 0.0000 | 0.0000 | 83.700 | 0.74239 | 0.00000 | 602892.1 | 315282.4 | 0.0 | S |
| 38.717 | 0.0000 | 0.0000 | 83.700 | 0.74220 | 0.00000 | 602892.1 | 315304.7 | 0.0 | S |
| 38.725 | 0.0000 | 0.0000 | 83.700 | 0.74201 | 0.00000 | 602892.1 | 315326.9 | 0.0 | S |
| 38.733 | 0.0000 | 0.0000 | 83.699 | 0.74183 | 0.00000 | 602892.1 | 315349.2 | 0.0 | S |
| 38.742 | 0.0000 | 0.0000 | 83.699 | 0.74164 | 0.00000 | 602892.1 | 315371.4 | 0.0 | S |
| 38.750 | 0.0000 | 0.0000 | 83.699 | 0.74146 | 0.00000 | 602892.1 | 315393.7 | 0.0 | S |
| 38.758 | 0.0000 | 0.0000 | 83.698 | 0.74127 | 0.00000 | 602892.1 | 315415.9 | 0.0 | S |
| 38.767 | 0.0000 | 0.0000 | 83.698 | 0.74108 | 0.00000 | 602892.1 | 315438.2 | 0.0 | S |
| 38.775 | 0.0000 | 0.0000 | 83.698 | 0.74090 | 0.00000 | 602892.1 | 315460.4 | 0.0 | S |
| 38.783 | 0.0000 | 0.0000 | 83.697 | 0.74071 | 0.00000 | 602892.1 | 315482.6 | 0.0 | S |
| 38.792 | 0.0000 | 0.0000 | 83.697 | 0.74053 | 0.00000 | 602892.1 | 315504.8 | 0.0 | S |
| 38.800 | 0.0000 | 0.0000 | 83.697 | 0.74034 | 0.00000 | 602892.1 | 315527.0 | 0.0 | S |
| 38.808 | 0.0000 | 0.0000 | 83.696 | 0.74016 | 0.00000 | 602892.1 | 315549.3 | 0.0 | S |
| 38.817 | 0.0000 | 0.0000 | 83.696 | 0.73997 | 0.00000 | 602892.1 | 315571.4 | 0.0 | S |
| 38.825 | 0.0000 | 0.0000 | 83.696 | 0.73979 | 0.00000 | 602892.1 | 315593.6 | 0.0 | S |
| 38.833 | 0.0000 | 0.0000 | 83.696 | 0.73960 | 0.00000 | 602892.1 | 315615.8 | 0.0 | S |
| 38.842 | 0.0000 | 0.0000 | 83.695 | 0.73942 | 0.00000 | 602892.1 | 315638.0 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:: Scenario 1 :: pond 9100 year $/ 24$ hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate (ft's) | Overflow Discharge ( $\mathrm{ft}^{3 /} \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{ft}^{\top}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 38.850 | 0.0000 | 0.0000 | 83.695 | 0.73924 | 0.00000 | 602892.1 | 315660.2 | 0.0 | S |
| 38.858 | 0.0000 | 0.0000 | 83.695 | 0.73905 | 0.00000 | 602892.1 | 315682.4 | 0.0 | S |
| 38.867 | 0.0000 | 0.0000 | 83.694 | 0.73887 | 0.00000 | 602892.1 | 315704.5 | 0.0 | S |
| 38.875 | 0.0000 | 0.0000 | 83.694 | 0.73868 | 0.00000 | 602892.1 | 315726.7 | 0.0 | S |
| 38.883 | 0.0000 | 0.0000 | 83.694 | 0.73850 | 0.00000 | 602892.1 | 315748.8 | 0.0 | S |
| 38.892 | 0.0000 | 0.0000 | 83.693 | 0.73831 | 0.00000 | 602892.1 | 315771.0 | 0.0 | S |
| 38.900 | 0.0000 | 0.0000 | 83.693 | 0.73813 | 0.00000 | 602892.1 | 315793.2 | 0.0 | S |
| 38.908 | 0.0000 | 0.0000 | 83.693 | 0.73795 | 0.00000 | 602892.1 | 315815.3 | 0.0 | S |
| 38.917 | 0.0000 | 0.0000 | 83.692 | 0.73776 | 0.00000 | 602892.1 | 315837.4 | 0.0 | S |
| 38.925 | 0.0000 | 0.0000 | 83.692 | 0.73758 | 0.00000 | 602892.1 | 315859.6 | 0.0 | S |
| 38.933 | 0.0000 | 0.0000 | 83.692 | 0.73740 | 0.00000 | 602892.1 | 315881.7 | 0.0 | S |
| 38.942 | 0.0000 | 0.0000 | 83.691 | 0.73721 | 0.00000 | 602892.7 | 315903.8 | 0.0 | S |
| 38.950 | 0.0000 | 0.0000 | 83.691 | 0.73703 | 0.00000 | 602892.1 | 315925.9 | 0.0 | S |
| 38.958 | 0.0000 | 0.0000 | 83.691 | 0.73685 | 0.00000 | 602892.1 | 315948.0 | 0.0 | S |
| 38.967 | 0.0000 | 0.0000 | 83.690 | 0.73666 | 0.00000 | 602892.1 | 315970.1 | 0.0 | S |
| 38.975 | 0.0000 | 0.0000 | 83.690 | 0.73648 | 0.00000 | 602892.1 | 315992.2 | 0.0 | S |
| 38.983 | 0.0000 | 0.0000 | 83.690 | 0.73630 | 0.00000 | 602892.1 | 316014.3 | 0.0 | S |
| 38.992 | 0.0000 | 0.0000 | 83.689 | 0.73612 | 0.00000 | 602892.1 | 316036.4 | 0.0 | S |
| 39.000 | 0.0000 | 0.0000 | 83.689 | 0.73593 | 0.00000 | 602892.1 | 316058.5 | 0.0 | S |
| 39.008 | 0.0000 | 0.0000 | 83.689 | 0.73575 | 0.00000 | 602892.1 | 316080.6 | 0.0 | S |
| 39.017 | 0.0000 | 0.0000 | 83.688 | 0.73557 | 0.00000 | 602892.1 | 316102.6 | 0.0 | S |
| 39.025 | 0.0000 | 0.0000 | 83.688 | 0.73539 | 0.00000 | 602892.1 | 316124.7 | 0.0 | S |
| 39.033 | 0.0000 | 0.0000 | 83.688 | 0.73520 | 0.00000 | 602892.1 | 316146.8 | 0.0 | S |
| 39.042 | 0.0000 | 0.0000 | 83.687 | 0.73502 | 0.00000 | 602892.1 | 316168.8 | 0.0 | S |
| 39.050 | 0.0000 | 0.0000 | 83.687 | 0.73484 | 0.00000 | 602892.1 | 316190.8 | 0.0 | S |
| 39.058 | 0.0000 | 0.0000 | 83.687 | 0.73466 | 0.00000 | 602892.1 | 316212.9 | 0.0 | S |
| 39.067 | 0.0000 | 0.0000 | 83.686 | 0.73448 | 0.00000 | 602892.1 | 316234.9 | 0.0 | S |
| 39.075 | 0.0000 | 0.0000 | 83.686 | 0.73429 | 0.00000 | 602892.1 | 316257.0 | 0.0 | S |
| 39.083 | 0.0000 | 0.0000 | 83.686 | 0.73411 | 0.00000 | 602892.1 | 316279.0 | 0.0 | S |
| 39.092 | 0.0000 | 0.0000 | 83.685 | 0.73393 | 0.00000 | 602892.1 | 316301.0 | 0.0 | S |
| 39.100 | 0.0000 | 0.0000 | 83.685 | 0.73375 | 0.00000 | 602892.1 | 316323.0 | 0.0 | S |
| 39.108 | 0.0000 | 0.0000 | 83.685 | 0.73357 | 0.00000 | 602892.1 | 316345.0 | 0.0 | S |
| 39.117 | 0.0000 | 0.0000 | 83.684 | 0.73339 | 0.00000 | 602892.1 | 316367.0 | 0.0 | S |
| 39.125 | 0.0000 | 0.0000 | 83.684 | 0.73321 | 0.00000 | 602892.1 | 316389.0 | 0.0 | S |
| 39.133 | 0.0000 | 0.0000 | 83.684 | 0.73303 | 0.00000 | 602892.1 | 316411.0 | 0.0 | S |
| 39.142 | 0.0000 | 0.0000 | 83.683 | 0.73285 | 0.00000 | 602892.1 | 316433.0 | 0.0 | S |
| 39.150 | 0.0000 | 0.0000 | 83.683 | 0.73266 | 0.00000 | 602892.1 | 316455.0 | 0.0 | S |
| 39.158 | 0.0000 | 0.0000 | 83.683 | 0.73248 | 0.00000 | 602892.1 | 316477.0 | 0.0 | S |
| 39.167 | 0.0000 | 0.0000 | 83.683 | 0.73230 | 0.00000 | 602892.1 | 316499.0 | 0.0 | S |
| 39.175 | 0.0000 | 0.0000 | 83.682 | 0.73212 | 0.00000 | 602892.1 | 316520.9 | 0.0 | S |
| 39.183 | 0.0000 | 0.0000 | 83.682 | 0.73194 | 0.00000 | 602892.1 | 316542.9 | 0.0 | S |
| 39.192 | 0.0000 | 0.0000 | 83.682 | 0.73176 | 0.00000 | 602892.1 | 316564.8 | 0.0 | S |
| 39.200 | 0.0000 | 0.0000 | 83.681 | 0.73158 | 0.00000 | 602892.1 | 316586.8 | 0.0 | S |
| 39.208 | 0.0000 | 0.0000 | 83.681 | 0.73140 | 0.00000 | 602892.1 | 316608.7 | 0.0 | S |
| 39.217 | 0.0000 | 0.0000 | 83.681 | 0.73122 | 0.00000 | 602892.1 | 316630.7 | 0.0 | S |
| 39.225 | 0.0000 | 0.0000 | 83.680 | 0.73104 | 0.00000 | 602892.1 | 316652.6 | 0.0 | S |
| 39.233 | 0.0000 | 0.0000 | 83.680 | 0.73086 | 0.00000 | 602892.1 | 316674.5 | 0.0 | S |
| 39.242 | 0.0000 | 0.0000 | 83.680 | 0.73068 | 0.00000 | 602892.1 | 316696.5 | 0.0 | S |
| 39.250 | 0.0000 | 0.0000 | 83.679 | 0.73050 | 0.00000 | 602892.1 | 316718.4 | 0.0 | S |
| 39.258 | 0.0000 | 0.0000 | 83.679 | 0.73033 | 0.00000 | 602892.1 | 316740.3 | 0.0 | S |
| 39.267 | 0.0000 | 0.0000 | 83.679 | 0.73015 | 0.00000 | 602892.1 | 316762.2 | 0.0 | S |
| 39.275 | 0.0000 | 0.0000 | 83.678 | 0.72997 | 0.00000 | 602892.1 | 316784.1 | 0.0 | S |
| 39.283 | 0.0000 | 0.0000 | 83.678 | 0.72979 | 0.00000 | 602892.1 | 316806.0 | 0.0 | S |
| 39.292 | 0.0000 | 0.0000 | 83.678 | 0.72961 | 0.00000 | 602892.1 | 316827.9 | 0.0 | S |
| 39.300 | 0.0000 | 0.0000 | 83.677 | 0.72943 | 0.00000 | 602892.1 | 316849.8 | 0.0 | S |
| 39.308 | 0.0000 | 0.0000 | 83.677 | 0.72925 | 0.00000 | 602892.1 | 316871.7 | 0.0 | S |
| 39.317 | 0.0000 | 0.0000 | 83.677 | 0.72907 | 0.00000 | 602892.1 | 316893.5 | 0.0 | S |
| 39.325 | 0.0000 | 0.0000 | 83.676 | 0.72889 | 0.00000 | 602892.1 | 316915.4 | 0.0 | S |
| 39.333 | 0.0000 | 0.0000 | 83.676 | 0.72872 | 0.00000 | 602892.1 | 316937.3 | 0.0 | S |
| 39.342 | 0.0000 | 0.0000 | 83.676 | 0.72854 | 0.00000 | 602892.1 | 316959.1 | 0.0 | S |
| 39.350 | 0.0000 | 0.0000 | 83.675 | 0.72836 | 0.00000 | 602892.1 | 316981.0 | 0.0 | S |
| 39.358 | 0.0000 | 0.0000 | 83.675 | 0.72818 | 0.00000 | 602892.1 | 317002.8 | 0.0 | S |
| 39.367 | 0.0000 | 0.0000 | 83.675 | 0.72800 | 0.00000 | 602892.1 | 317024.7 | 0.0 | S |
| 39.375 | 0.0000 | 0.0000 | 83.674 | 0.72783 | 0.00000 | 602892.1 | 317046.5 | 0.0 | S |
| 39.383 | 0.0000 | 0.0000 | 83.674 | 0.72765 | 0.00000 | 602892.1 | 377068.3 | 0.0 | S |
| 39.392 | 0.0000 | 0.0000 | 83.674 | 0.72747 | 0.00000 | 602892.1 | 317090.2 | 0.0 | S |
| 39.400 | 0.0000 | 0.0000 | 83.673 | 0.72729 | 0.00000 | 602892.1 | 317112.0 | 0.0 | S |
| 39.408 | 0.0000 | 0.0000 | 83.673 | 0.72711 | 0.00000 | 602892.1 | 317133.8 | 0.0 | S |
| 39.417 | 0.0000 | 0.0000 | 83.673 | 0.72694 | 0.00000 | 602892.1 | 317155.6 | 0.0 | S |
| 39.425 | 0.0000 | 0.0000 | 83.672 | 0.72676 | 0.00000 | 602892.1 | 317177.4 | 0.0 | S |
| 39.433 | 0.0000 | 0.0000 | 83.672 | 0.72658 | 0.00000 | 602892.1 | 317199.2 | 0.0 | S |
| 39.442 | 0.0000 | 0.0000 | 83.672 | 0.72641 | 0.00000 | 602892.1 | 317221.0 | 0.0 | S |
| 39.450 | 0.0000 | 0.0000 | 83.672 | 0.72623 | 0.00000 | 602892.1 | 317242.8 | 0.0 | S |
| 39.458 | 0.0000 | 0.0000 | 83.674 | 0.72605 | 0.00000 | 602892.1 | 317264.6 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3 / 3}$ ) | Outside Recharge (fitday) | Stage Elevation (fl datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{t}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 39.467 | 0.0000 | 0.0000 | 83.671 | 0.72587 | 0.00000 | 602892.1 | 317286.4 | 0.0 | S |
| 39.475 | 0.0000 | 0.0000 | 83.671 | 0.72570 | 0.00000 | 602892.1 | 317308.1 | 0.0 | S |
| 39.483 | 0.0000 | 0.0000 | 83.670 | 0.72552 | 0.00000 | 602892.1 | 317329.9 | 0.0 | S |
| 39.492 | 0.0000 | 0.0000 | 83.670 | 0.72534 | 0.00000 | 602892.1 | 317351.7 | 0.0 | S |
| 39.500 | 0.0000 | 0.0000 | 83.670 | 0.72517 | 0.00000 | 602892.1 | 317373.4 | 0.0 | S |
| 39.508 | 0.0000 | 0.0000 | 83.669 | 0.72499 | 0.00000 | 602892.1 | 317395.2 | 0.0 | S |
| 39.517 | 0.0000 | 0.0000 | 83.669 | 0.72482 | 0.00000 | 602892.1 | 317416.9 | 0.0 | S |
| 39.525 | 0.0000 | 0.0000 | 83.669 | 0.72464 | 0.00000 | 602892.1 | 317438.7 | 0.0 | S |
| 39.533 | 0.0000 | 0.0000 | 83.668 | 0.72446 | 0.00000 | 602892.1 | 317460.4 | 0.0 | S |
| 39.542 | 0.0000 | 0.0000 | 83.668 | 0.72429 | 0.00000 | 602892.1 | 317482.1 | 0.0 | S |
| 39.550 | 0.0000 | 0.0000 | 83.668 | 0.72411 | 0.00000 | 602892.1 | 317503.8 | 0.0 | S |
| 39.558 | 0.0000 | 0.0000 | 83.667 | 0.72394 | 0.00000 | 602892.1 | 317525.6 | 0.0 | S |
| 39.567 | 0.0000 | 0.0000 | 83.667 | 0.72376 | 0.00000 | 602892.1 | 317547.3 | 0.0 | S |
| 39.575 | 0.0000 | 0.0000 | 83.667 | 0.72358 | 0.00000 | 602892.1 | 317569.0 | 0.0 | S |
| 39.583 | 0.0000 | 0.0000 | 83.666 | 0.72341 | 0.00000 | 602892.1 | 317590.7 | 0.0 | S |
| 39.592 | 0.0000 | 0.0000 | 83.666 | 0.72323 | 0.00000 | 602892.1 | 317612.4 | 0.0 | S |
| 39.600 | 0.0000 | 0.0000 | 83.666 | 0.72306 | 0.00000 | 602892.1 | 317634.1 | 0.0 | S |
| 39.608 | 0.0000 | 0.0000 | 83.665 | 0.72288 | 0.00000 | 602892.1 | 317655.8 | 0.0 | S |
| 39.617 | 0.0000 | 0.0000 | 83.665 | 0.72271 | 0.00000 | 602892.1 | 317677.5 | 0.0 | S |
| 39.625 | 0.0000 | 0.0000 | 83.665 | 0.72253 | 0.00000 | 602892.1 | 317699.2 | 0.0 | S |
| 39.633 | 0.0000 | 0.0000 | 83.664 | 0.72236 | 0.00000 | 602892.1 | 317720.8 | 0.0 | S |
| 39.642 | 0.0000 | 0.0000 | 83.664 | 0.72218 | 0.00000 | 602892.1 | 317742.5 | 0.0 | S |
| 39.650 | 0.0000 | 0.0000 | 83.664 | 0.72201 | 0.00000 | 602892.1 | 317764.2 | 0.0 | S |
| 39.658 | 0.0000 | 0.0000 | 83.664 | 0.72184 | 0.00000 | 602892.1 | 317785.8 | 0.0 | S |
| 39.667 | 0.0000 | 0.0000 | 83.663 | 0.72166 | 0.00000 | 602892.1 | 317807.5 | 0.0 | S |
| 39.675 | 0.0000 | 0.0000 | 83.663 | 0.72149 | 0.00000 | 602892.1 | 317829.1 | 0.0 | S |
| 39.683 | 0.0000 | 0.0000 | 83.663 | 0.72131 | 0.00000 | 602892.1 | 317850.8 | 0.0 | S |
| 39.692 | 0.0000 | 0.0000 | 83.662 | 0.72114 | 0.00000 | 602892.1 | 317872.4 | 0.0 | S |
| 39.700 | 0.0000 | 0.0000 | 83.662 | 0.72096 | 0.00000 | 602892.1 | 317894.0 | 0.0 | S |
| 39.708 | 0.0000 | 0.0000 | 83.662 | 0.72079 | 0.00000 | 602892.1 | 317915.7 | 0.0 | S |
| 39.717 | 0.0000 | 0.0000 | 83.661 | 0.72062 | 0.00000 | 602892.1 | 317937.3 | 0.0 | S |
| 39.725 | 0.0000 | 0.0000 | 83.661 | 0.72044 | 0.00000 | 602892.1 | 317958.9 | 0.0 | S |
| 39.733 | 0.0000 | 0.0000 | 83.661 | 0.72027 | 0.00000 | 602892.1 | 317980.5 | 0.0 | S |
| 39.742 | 0.0000 | 0.0000 | 83.660 | 0.72009 | 0.00000 | 602892.1 | 318002.1 | 0.0 | S |
| 39.750 | 0.0000 | 0.0000 | 83.660 | 0.71992 | 0.00000 | 602892.1 | 318023.7 | 0.0 | S |
| 39.758 | 0.0000 | 0.0000 | 83.660 | 0.71975 | 0.00000 | 602892.1 | 318045.3 | 0.0 | S |
| 39.767 | 0.0000 | 0.0000 | 83.659 | 0.71957 | 0.00000 | 602892.1 | 318066.9 | 0.0 | S |
| 39.775 | 0.0000 | 0.0000 | 83.659 | 0.71940 | 0.00000 | 602892.1 | 318088.5 | 0.0 | S |
| 39.783 | 0.0000 | 0.0000 | 83.659 | 0.71923 | 0.00000 | 602892.1 | 318110.1 | 0.0 | S |
| 39.792 | 0.0000 | 0.0000 | 83.658 | 0.71906 | 0.00000 | 602892.1 | 318131.6 | 0.0 | S |
| 39.800 | 0.0000 | 0.0000 | 83.658 | 0.71888 | 0.00000 | 602892.1 | 318153.2 | 0.0 | S |
| 39.808 | 0.0000 | 0.0000 | 83.658 | 0.71871 | 0.00000 | 602892.1 | 318174.8 | 0.0 | S |
| 39.817 | 0.0000 | 0.0000 | 83.657 | 0.71854 | 0.00000 | 602892.1 | 318196.3 | 0.0 | S |
| 39.825 | 0.0000 | 0.0000 | 83.657 | 0.71836 | 0.00000 | 602892.1 | 318217.9 | 0.0 | S |
| 39.833 | 0.0000 | 0.0000 | 83.657 | 0.71819 | 0.00000 | 602892.1 | 318239.4 | 0.0 | S |
| 39.842 | 0.0000 | 0.0000 | 83.656 | 0.71802 | 0.00000 | 602892.1 | 318261.0 | 0.0 | S |
| 39.850 | 0.0000 | 0.0000 | 83.656 | 0.71785 | 0.00000 | 602892.1 | 318282.5 | 0.0 | S |
| 39.858 | 0.0000 | 0.0000 | 83.656 | 0.71768 | 0.00000 | 602892.1 | 318304.0 | 0.0 | S |
| 39.867 | 0.0000 | 0.0000 | 83.656 | 0.71750 | 0.00000 | 602892.1 | 318325.6 | 0.0 | S |
| 39.875 | 0.0000 | 0.0000 | 83.655 | 0.71733 | 0.00000 | 602892.1 | 318347.1 | 0.0 | S |
| 39.883 | 0.0000 | 0.0000 | 83.655 | 0.71716 | 0.00000 | 602892.1 | 318368.6 | 0.0 | S |
| 39.892 | 0.0000 | 0.0000 | 83.655 | 0.71699 | 0.00000 | 602892.1 | 318390.1 | 0.0 | S |
| 39.900 | 0.0000 | 0.0000 | 83.654 | 0.71682 | 0.00000 | 602892.1 | 318411.6 | 0.0 | S |
| 39.908 | 0.0000 | 0.0000 | 83.654 | 0.71664 | 0.00000 | 602892.1 | 318433.1 | 0.0 | S |
| 39.917 | 0.0000 | 0.0000 | 83.654 | 0.71647 | 0.00000 | 602892.1 | 318454.6 | 0.0 | S |
| 39.925 | 0.0000 | 0.0000 | 83.653 | 0.71630 | 0.00000 | 602892.1 | 318476.1 | 0.0 | S |
| 39.933 | 0.0000 | 0.0000 | 83.653 | 0.71613 | 0.00000 | 602892.1 | 318497.6 | 0.0 | S |
| 39.942 | 0.0000 | 0.0000 | 83.653 | 0.71596 | 0.00000 | 602892.1 | 318519.1 | 0.0 | S |
| 39.950 | 0.0000 | 0.0000 | 83.652 | 0.71579 | 0.00000 | 602892.1 | 318540.6 | 0.0 | S |
| 39.958 | 0.0000 | 0.0000 | 83.652 | 0.71562 | 0.00000 | 602892.1 | 318562.0 | 0.0 | S |
| 39.967 | 0.0000 | 0.0000 | 83.652 | 0.71544 | 0.00000 | 602892.1 | 318583.5 | 0.0 | S |
| 39.975 | 0.0000 | 0.0000 | 83.651 | 0.71527 | 0.00000 | 602892.1 | 318605.0 | 0.0 | S |
| 39.983 | 0.0000 | 0.0000 | 83.651 | 0.71510 | 0.00000 | 602892.1 | 318626.4 | 0.0 | S |
| 39.992 | 0.0000 | 0.0000 | 83.651 | 0.71493 | 0.00000 | 602892.1 | 318647.9 | 0.0 | S |
| 40.000 | 0.0000 | 0.0000 | 83,650 | 0.71476 | 0.00000 | 602892.1 | 318669.3 | 0.0 | S |
| 40.008 | 0.0000 | 0.0000 | 83.650 | 0.71459 | 0.00000 | 602892.1 | 318690.8 | 0.0 | S |
| 40.017 | 0.0000 | 0.0000 | 83.650 | 0.71442 | 0.00000 | 602892.1 | 318712.2 | 0.0 | S |
| 40.025 | 0.0000 | 0.0000 | 83.650 | 0.71425 | 0.00000 | 602892.1 | 318733.6 | 0.0 | S |
| 40.033 | 0.0000 | 0.0000 | 83.649 | 0.71408 | 0.00000 | 602892.1 | 318755.0 | 0.0 | S |
| 40.042 | 0.0000 | 0.0000 | 83.649 | 0.71391 | 0.00000 | 602892.1 | 318776.5 | 0.0 | S |
| 40.050 | 0.0000 | 0.0000 | 83.649 | 0.71374 | 0.00000 | 602892.1 | 318797.9 | 0.0 | S |
| 40.058 | 0.0000 | 0.0000 | 83.648 | 0.71357 | 0.00000 | 602892.1 | 318819.3 | 0.0 | S |
| 40.067 | 0.0000 | 0.0000 | 83.648 | 0.71340 | 0.00000 | 602892.1 | 318840.7 | 0.0 | S |
| 40.075 | 0.0000 | 0.0000 | 83.648 | 0.71323 | 0.00000 | 602892.1 | 318862.1 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond 9100 year $/ 24$ hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate (ftys) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / 3 /}$ ) | Cumulative inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 40.083 | 0.0000 | 0.0000 | 83.647 | 0.71306 | 0.00000 | 602892.1 | 318883.5 | 0.0 | S |
| 40.092 | 0.0000 | 0.0000 | 83.647 | 0.71289 | 0.00000 | 602892.1 | 318904.9 | 0.0 | S |
| 40.100 | 0.0000 | 0.0000 | 83.647 | 0.71272 | 0.00000 | 602892.1 | 318926.3 | 0.0 | S |
| 40.108 | 0.0000 | 0.0000 | 83.646 | 0.71255 | 0.00000 | 602892.1 | 318947.6 | 0.0 | S |
| 40.117 | 0.0000 | 0.0000 | 83.646 | 0.71238 | 0.00000 | 602892.1 | 318969.0 | 0.0 | S |
| 40.125 | 0.0000 | 0.0000 | 83.646 | 0.71221 | 0.00000 | 602892.1 | 318990.4 | 0.0 | S |
| 40.133 | 0.0000 | 0.0000 | 83.645 | 0.71204 | 0.00000 | 602892.1 | 319011.8 | 0.0 | S |
| 40.142 | 0.0000 | 0.0000 | 83.645 | 0.71188 | 0.00000 | 602892.1 | 319033.1 | 0.0 | S |
| 40.150 | 0.0000 | 0.0000 | 83.645 | 0.71171 | 0.00000 | 602892.1 | 319054.4 | 0.0 | S |
| 40.158 | 0.0000 | 0.0000 | 83.644 | 0.71154 | 0.00000 | 602892.1 | 319075.8 | 0.0 | S |
| 40.167 | 0.0000 | 0.0000 | 83.644 | 0.71137 | 0.00000 | 602892.1 | 319097.2 | 0.0 | S |
| 40.175 | 0.0000 | 0.0000 | 83.644 | 0.71120 | 0.00000 | 602892.1 | 319118.5 | 0.0 | S |
| 40.183 | 0.0000 | 0.0000 | 83.643 | 0.71103 | 0.00000 | 602892.1 | 319139.8 | 0.0 | S |
| 40.192 | 0.0000 | 0.0000 | 83.643 | 0.71086 | 0.00000 | 602892.1 | 319161.2 | 0.0 | S |
| 40.200 | 0.0000 | 0.0000 | 83.643 | 0.71069 | 0.00000 | 602892.1 | 319182.5 | 0.0 | S |
| 40.208 | 0.0000 | 0.0000 | 83.643 | 0.71053 | 0.00000 | 602892.1 | 319203.8 | 0.0 | S |
| 40.217 | 0.0000 | 0.0000 | 83.642 | 0.71036 | 0.00000 | 602892.1 | 319225.1 | 0.0 | S |
| 40.225 | 0.0000 | 0.0000 | 83.642 | 0.71019 | 0.00000 | 602892.1 | 319246.4 | 0.0 | S |
| 40.233 | 0.0000 | 0.0000 | 83.642 | 0.71002 | 0.00000 | 602892.1 | 319267.7 | 0.0 | S |
| 40.242 | 0.0000 | 0.0000 | 83.641 | 0.70985 | 0.00000 | 602892.1 | 319289.0 | 0.0 | S |
| 40.250 | 0.0000 | 0.0000 | 83.641 | 0.70969 | 0.00000 | 602892.1 | 319310.3 | 0.0 | S |
| 40.258 | 0.0000 | 0.0000 | 83.641 | 0.70952 | 0.00000 | 602892.1 | 319331.6 | 0.0 | S |
| 40.267 | 0.0000 | 0.0000 | 83.640 | 0.70935 | 0.00000 | 602892.1 | 319352.9 | 0.0 | S |
| 40.275 | 0.0000 | 0.0000 | 83.640 | 0.70918 | 0.00000 | 602892.1 | 319374.2 | 0.0 | S |
| 40.283 | 0.0000 | 0.0000 | 83.640 | 0.70902 | 0.00000 | 602892.1 | 319395.4 | 0.0 | S |
| 40.292 | 0.0000 | 0.0000 | 83.639 | 0.70885 | 0.00000 | 602892.1 | 319416.7 | 0.0 | S |
| 40.300 | 0.0000 | 0.0000 | 83.639 | 0.70868 | 0.00000 | 602892.1 | 319438.0 | 0.0 | S |
| 40.308 | 0.0000 | 0.0000 | 83.639 | 0.70851 | 0.00000 | 602892.1 | 319459.2 | 0.0 | S |
| 40.317 | 0.0000 | 0.0000 | 83.638 | 0.70835 | 0.00000 | 602892.1 | 319480.5 | 0.0 | S |
| 40.325 | 0.0000 | 0.0000 | 83.638 | 0.70818 | 0.00000 | 602892.1 | 319501.7 | 0.0 | S |
| 40.333 | 0.0000 | 0.0000 | 83.638 | 0.70801 | 0.00000 | 602892.1 | 319523.0 | 0.0 | S |
| 40.342 | 0.0000 | 0.0000 | 83.638 | 0.70785 | 0.00000 | 602892.1 | 319544.2 | 0.0 | S |
| 40.350 | 0.0000 | 0.0000 | 83.637 | 0.70768 | 0.00000 | 602892.1 | 319565.4 | 0.0 | S |
| 40.358 | 0.0000 | 0.0000 | 83.637 | 0.70751 | 0.00000 | 602892.1 | 319586.7 | 0.0 | S |
| 40.367 | 0.0000 | 0.0000 | 83.637 | 0.70735 | 0.00000 | 602892.1 | 319607.9 | 0.0 | S |
| 40.375 | 0.0000 | 0.0000 | 83.636 | 0.70718 | 0.00000 | 602892.1 | 319629.1 | 0.0 | S |
| 40.383 | 0.0000 | 0.0000 | 83.636 | 0.70701 | 0.00000 | 602892.1 | 319650.3 | 0.0 | S |
| 40.392 | 0.0000 | 0.0000 | 83.636 | 0.70685 | 0.00000 | 602892.1 | 319671.5 | 0.0 | S |
| 40.400 | 0.0000 | 0.0000 | 83.635 | 0.70668 | 0.00000 | 602892.1 | 319692.7 | 0.0 | S |
| 40.408 | 0.0000 | 0.0000 | 83.635 | 0.70651 | 0.00000 | 602892.1 | 319713.9 | 0.0 | S |
| 40.417 | 0.0000 | 0.0000 | 83.635 | 0.70635 | 0.00000 | 602892.1 | 319735.1 | 0.0 | S |
| 40.425 | 0.0000 | 0.0000 | 83.634 | 0.70618 | 0.00000 | 602892.1 | 319756.3 | 0.0 | S |
| 40.433 | 0.0000 | 0.0000 | 83.634 | 0.70602 | 0.00000 | 602892.1 | 319777.5 | 0.0 | S |
| 40.442 | 0.0000 | 0.0000 | 83.634 | 0.70585 | 0.00000 | 602892.1 | 319798.7 | 0.0 | S |
| 40.450 | 0.0000 | 0.0000 | 83.633 | 0.70569 | 0.00000 | 602892.1 | 319819.8 | 0.0 | S |
| 40.458 | 0.0000 | 0.0000 | 83.633 | 0.70552 | 0.00000 | 602892.1 | 319841.0 | 0.0 | S |
| 40.467 | 0.0000 | 0.0000 | 83.633 | 0.70535 | 0.00000 | 602892.1 | 319862.2 | 0.0 | S |
| 40.475 | 0.0000 | 0.0000 | 83.632 | 0.70519 | 0.00000 | 602892.1 | 319883.3 | 0.0 | S |
| 40.483 | 0.0000 | 0.0000 | 83.632 | 0.70502 | 0.00000 | 602892.1 | 319904.5 | 0.0 | S |
| 40.492 | 0.0000 | 0.0000 | 83.632 | 0.70486 | 0.00000 | 602892.1 | 319925.6 | 0.0 | S |
| 40.500 | 0.0000 | 0.0000 | 83.632 | 0.70469 | 0.00000 | 602892.1 | 319946.8 | 0.0 | S |
| 40.508 | 0.0000 | 0.0000 | 83.631 | 0.70453 | 0.00000 | 602892.1 | 319967.9 | 0.0 | S |
| 40.517 | 0.0000 | 0.0000 | 83.631 | 0.70436 | 0.00000 | 602892.1 | 319989.0 | 0.0 | S |
| 40.525 | 0.0000 | 0.0000 | 83.631 | 0.70420 | 0.00000 | 602892.1 | 320010.2 | 0.0 | S |
| 40.533 | 0.0000 | 0.0000 | 83.630 | 0.70403 | 0.00000 | 602892.1 | 320031.3 | 0.0 | S |
| 40.542 | 0.0000 | 0.0000 | 83.630 | 0.70387 | 0.00000 | 602892.1 | 320052.4 | 0.0 | S |
| 40.550 | 0.0000 | 0.0000 | 83.630 | 0.70370 | 0.00000 | 602892.1 | 320073.5 | 0.0 | S |
| 40.558 | 0.0000 | 0.0000 | 83.629 | 0.70354 | 0.00000 | 602892.1 | 320094.6 | 0.0 | S |
| 40.567 | 0.0000 | 0.0000 | 83.629 | 0.70338 | 0.00000 | 602892.1 | 320115.8 | 0.0 | S |
| 40.575 | 0.0000 | 0.0000 | 83.629 | 0.70321 | 0.00000 | 602892.1 | 320136.8 | 0.0 | S |
| 40.583 | 0.0000 | 0.0000 | 83.628 | 0.70305 | 0.00000 | 602892.1 | 320157.9 | 0.0 | S |
| 40.592 | 0.0000 | 0.0000 | 83.628 | 0.70288 | 0.00000 | 602892.1 | 320179.0 | 0.0 | S |
| 40.600 | 0.0000 | 0.0000 | 83.628 | 0.70272 | 0.00000 | 602892.1 | 320200.1 | 0.0 | S |
| 40.608 | 0.0000 | 0.0000 | 83.627 | 0.70256 | 0.00000 | 602892.1 | 320221.2 | 0.0 | S |
| 40.617 | 0.0000 | 0.0000 | 83.627 | 0.70239 | 0.00000 | 602882.1 | 320242.3 | 0.0 | S |
| 40.625 | 0.0000 | 0.0000 | 83.627 | 0.70223 | 0.00000 | 602892.1 | 320263.3 | 0.0 | S |
| 40.633 | 0.0000 | 0.0000 | 83.627 | 0.70206 | 0.00000 | 602892.1 | 320284.4 | 0.0 | S |
| 40.642 | 0.0000 | 0.0000 | 83.626 | 0.70190 | 0.00000 | 602892.1 | 320305.4 | 0.0 | S |
| 40.650 | 0.0000 | 0.0000 | 83.626 | 0.70174 | 0.00000 | 602892.1 | 320326.5 | 0.0 | S |
| 40.658 | 0.0000 | 0.0000 | 83.626 | 0.70157 | 0.00000 | 602892.1 | 320347.6 | 0.0 | S |
| 40.667 | 0.0000 | 0.0000 | 83.625 | 0.70141 | 0.00000 | 602892.1 | 320368.6 | 0.0 | S |
| 40.675 | 0.0000 | 0.0000 | 83.625 | 0.70125 | 0.00000 | 602892.1 | 320389.6 | 0.0 | S |
| 40.683 | 0.0000 | 0.0000 | 83.625 | 0.70108 | 0.00000 | 602892.1 | 320410.7 | 0.0 | S |
| 40.692 | 0.0000 | 0.0000 | 83.624 | 0.70092 | 0.00000 | 602892.1 | 320431.7 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond 9100 year $/ 24$ hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate (ftys) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{fl}^{3 / \mathrm{s}}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{fr}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{n}^{3}$ ) | $\begin{aligned} & \text { Flow } \\ & \text { Type } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 40.700 | 0.0000 | 0.0000 | 83.624 | 0.70076 | 0.00000 | 602892.1 | 320452.7 | 0.0 | S |
| 40.708 | 0.0000 | 0.0000 | 83.624 | 0.70059 | 0.00000 | 602892.1 | 320473.8 | 0.0 | S |
| 40.717 | 0.0000 | 0.0000 | 83.623 | 0.70043 | 0.00000 | 602892.1 | 320494.8 | 0.0 | S |
| 40.725 | 0.0000 | 0.0000 | 83.623 | 0.70027 | 0.00000 | 602892.1 | 320515.8 | 0.0 | S |
| 40.733 | 0.0000 | 0.0000 | 83.623 | 0.70011 | 0.00000 | 602892.1 | 320536.8 | 0.0 | S |
| 40.742 | 0.0000 | 0.0000 | 83.622 | 0.69994 | 0.00000 | 602892.1 | 320557.8 | 0.0 | S |
| 40.750 | 0.0000 | 0.0000 | 83.622 | 0.69978 | 0.00000 | 602892.1 | 320578.8 | 0.0 | S |
| 40.758 | 0.0000 | 0.0000 | 83.622 | 0.69962 | 0.00000 | 602892.1 | 320599.8 | 0.0 | S |
| 40.767 | 0.0000 | 0.0000 | 83.622 | 0.69946 | 0.00000 | 602892.1 | 320620.8 | 0.0 | S |
| 40.775 | 0.0000 | 0.0000 | 83.621 | 0.69929 | 0.00000 | 602892.1 | 320641.7 | 0.0 | S |
| 40.783 | 0.0000 | 0.0000 | 83.621 | 0.69913 | 0.00000 | 602892.1 | 320662.7 | 0.0 | S |
| 40.792 | 0.0000 | 0.0000 | 83.621 | 0.69897 | 0.00000 | 602892.1 | 320683.7 | 0.0 | S |
| 40.800 | 0.0000 | 0.0000 | 83.620 | 0.69881 | 0.00000 | 602892.1 | 320704.7 | 0.0 | S |
| 40.808 | 0.0000 | 0.0000 | 83.620 | 0.69865 | 0.00000 | 602892.1 | 320725.6 | 0.0 | S |
| 40.817 | 0.0000 | 0.0000 | 83.620 | 0.69848 | 0.00000 | 602892.1 | 320746.6 | 0.0 | S |
| 40.825 | 0.0000 | 0.0000 | 83.619 | 0.69832 | 0.00000 | 602892.1 | 320767.5 | 0.0 | S |
| 40.833 | 0.0000 | 0.0000 | 83.619 | 0.69816 | 0.00000 | 602892.1 | 320788.5 | 0.0 | S |
| 40.842 | 0.0000 | 0.0000 | 83.619 | 0.69800 | 0.00000 | 602892.1 | 320809.4 | 0.0 | S |
| 40.850 | 0.0000 | 0.0000 | 83.618 | 0.69784 | 0.00000 | 602892.1 | 320830.3 | 0.0 | S |
| 40.858 | 0.0000 | 0.0000 | 83.618 | 0.69768 | 0.00000 | 602892.1 | 320851.3 | 0.0 | S |
| 40.867 | 0.0000 | 0.0000 | 83.618 | 0.69752 | 0.00000 | 602892.1 | 320872.2 | 0.0 | S |
| 40.875 | 0.0000 | 0.0000 | 83.618 | 0.69735 | 0.00000 | 602892.1 | 320893.1 | 0.0 | S |
| 40.883 | 0.0000 | 0.0000 | 83.617 | 0.69719 | 0.00000 | 602892.1 | 320914.1 | 0.0 | S |
| 40.892 | 0.0000 | 0.0000 | 83.617 | 0.69703 | 0.00000 | 602892.1 | 320935.0 | 0.0 | S |
| 40.900 | 0.0000 | 0.0000 | 83.617 | 0.69687 | 0.00000 | 602892.1 | 320955.9 | 0.0 | S |
| 40.908 | 0.0000 | 0.0000 | 83.616 | 0.69671 | 0.00000 | 602892.1 | 320976.8 | 0.0 | S |
| 40.917 | 0.0000 | 0.0000 | 83.616 | 0.69655 | 0.00000 | 602892.1 | 320997.7 | 0.0 | S |
| 40.925 | 0.0000 | 0.0000 | 83.616 | 0.69639 | 0.00000 | 602892.1 | 321018.6 | 0.0 | S |
| 40.933 | 0.0000 | 0.0000 | 83.615 | 0.69623 | 0.00000 | 602892.1 | 321039.5 | 0.0 | S |
| 40.942 | 0.0000 | 0.0000 | 83.615 | 0.69607 | 0.00000 | 602892.1 | 321060.3 | 0.0 | S |
| 40.950 | 0.0000 | 0.0000 | 83.615 | 0.69591 | 0.00000 | 602892.1 | 321081.2 | 0.0 | S |
| 40.958 | 0.0000 | 0.0000 | 83.614 | 0.69575 | 0.00000 | 602892.1 | 321102.1 | 0.0 | S |
| 40.967 | 0.0000 | 0.0000 | 83.614 | 0.69559 | 0.00000 | 602892.1 | 321123.0 | 0.0 | S |
| 40.975 | 0.0000 | 0.0000 | 83.614 | 0.69543 | 0.00000 | 602892.1 | 321143.8 | 0.0 | S |
| 40.983 | 0.0000 | 0.0000 | 83.613 | 0.69527 | 0.00000 | 602892.1 | 321164.7 | 0.0 | S |
| 40.992 | 0.0000 | 0.0000 | 83.613 | 0.69511 | 0.00000 | 602892.1 | 321185.5 | 0.0 | S |
| 41.000 | 0.0000 | 0.0000 | 83.613 | 0.69495 | 0.00000 | 602892.1 | 321206.4 | 0.0 | S |
| 41.008 | 0.0000 | 0.0000 | 83.613 | 0.69479 | 0.00000 | 602892.1 | 321227.3 | 0.0 | S |
| 41.017 | 0.0000 | 0.0000 | 83.612 | 0.69463 | 0.00000 | 602892.1 | 321248.1 | 0.0 | S |
| 41.025 | 0.0000 | 0.0000 | 83.612 | 0.69447 | 0.00000 | 602892.1 | 321268.9 | 0.0 | S |
| 41.033 | 0.0000 | 0.0000 | 83.612 | 0.69431 | 0.00000 | 602892.1 | 321289.8 | 0.0 | S |
| 41.042 | 0.0000 | 0.0000 | 83.611 | 0.69415 | 0.00000 | 602892.1 | 321310.6 | 0.0 | S |
| 41.050 | 0.0000 | 0.0000 | 83.611 | 0.69399 | 0.00000 | 602892.1 | 321331.4 | 0.0 | S |
| 41.058 | 0.0000 | 0.0000 | 83.611 | 0.69383 | 0.00000 | 602892.1 | 321352.2 | 0.0 | S |
| 41.067 | 0.0000 | 0.0000 | 83.610 | 0.69367 | 0.00000 | 602892.1 | 321373.0 | 0.0 | S |
| 41.075 | 0.0000 | 0.0000 | 83.610 | 0.69351 | 0.00000 | 602892.1 | 321393.8 | 0.0 | S |
| 41.083 | 0.0000 | 0.0000 | 83.610 | 0.69335 | 0.00000 | 602892.1 | 321414.7 | 0.0 | S |
| 41.092 | 0.0000 | 0.0000 | 83.609 | 0.69319 | 0.00000 | 602892.1 | 321435.4 | 0.0 | S |
| 41.100 | 0.0000 | 0.0000 | 83.609 | 0.69303 | 0.00000 | 602892.1 | 321456.2 | 0.0 | S |
| 41.108 | 0.0000 | 0.0000 | 83.609 | 0.69288 | 0.00000 | 602892.1 | 321477.0 | 0.0 | S |
| 41.117 | 0.0000 | 0.0000 | 83.609 | 0.69272 | 0.00000 | 602892.1 | 321497.8 | 0.0 | S |
| 41.125 | 0.0000 | 0.0000 | 83.608 | 0.69256 | 0.00000 | 602892.1 | 321518.6 | 0.0 | S |
| 41.133 | 0.0000 | 0.0000 | 83.608 | 0.69240 | 0.00000 | 602892.1 | 321539.3 | 0.0 | S |
| 41.142 | 0.0000 | 0.0000 | 83.608 | 0.69224 | 0.00000 | 602892.1 | 321560.1 | 0.0 | S |
| 41.150 | 0.0000 | 0.0000 | 83.607 | 0.69208 | 0.00000 | 602892.1 | 321580.9 | 0.0 | S |
| 41.158 | 0.0000 | 0.0000 | 83.607 | 0.69192 | 0.00000 | 602892.1 | 321601.7 | 0.0 | S |
| 41.167 | 0.0000 | 0.0000 | 83.607 | 0.69177 | 0.00000 | 602892.1 | 321622.4 | 0.0 | S |
| 41.175 | 0.0000 | 0.0000 | 83.606 | 0.69161 | 0.00000 | 602892.1 | 321643.2 | 0.0 | S |
| 41.183 | 0.0000 | 0.0000 | 83.606 | 0.69145 | 0.00000 | 602892.1 | 321663.9 | 0.0 | S |
| 41.192 | 0.0000 | 0.0000 | 83.606 | 0.69129 | 0.00000 | 602892.1 | 321684.7 | 0.0 | S |
| 41.200 | 0.0000 | 0.0000 | 83.605 | 0.69113 | 0.00000 | 602892.1 | 321705.4 | 0.0 | S |
| 41.208 | 0.0000 | 0.0000 | 83.605 | 0.69098 | 0.00000 | 602892.1 | 321726.1 | 0.0 | S |
| 41.217 | 0.0000 | 0.0000 | 83.605 | 0.69082 | 0.00000 | 602892.1 | 321746.8 | 0.0 | S |
| 41.225 | 0.0000 | 0.0000 | 83.605 | 0.69066 | 0.00000 | 602892.1 | 321767.6 | 0.0 | S |
| 41.233 | 0.0000 | 0.0000 | 83.604 | 0.69050 | 0.00000 | 602892.1 | 321788.3 | 0.0 | S |
| 41.242 | 0.0000 | 0.0000 | 83.604 | 0.69035 | 0.00000 | 602892.1 | 321809.0 | 0.0 | S |
| 41.250 | 0.0000 | 0.0000 | 83.604 | 0.69019 | 0.00000 | 602892.1 | 321829.7 | 0.0 | S |
| 41.258 | 0.0000 | 0.0000 | 83.603 | 0.69003 | 0.00000 | 602892.1 | 321850.4 | 0.0 | S |
| 41.267 | 0.0000 | 0.0000 | 83.603 | 0.68987 | 0.00000 | 602892.1 | 321871.1 | 0.0 | S |
| 41.275 | 0.0000 | 0.0000 | 83.603 | 0.68972 | 0.00000 | 602892.1 | 321891.8 | 0.0 | S |
| 41.283 | 0.0000 | 0.0000 | 83.602 | 0.68956 | 0.00000 | 602892.1 | 321912.5 | 0.0 | S |
| 41.292 | 0.0000 | 0.0000 | 83.602 | 0.68940 | 0.00000 | 602892.1 | 321933.2 | 0.0 | S |
| 41.300 | 0.0000 | 0.0000 | 83.602 | 0.68925 | 0.00000 | 602892.1 | 321953.8 | 0.0 | S |
| 41.308 | 0.0000 | 0.0000 | 83.601 | 0.68909 | 0.00000 | 602892.1 | 321974.5 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 /} \mathrm{s}$ ) | Outside Recharge (H/day) | Stage Elevation (ft datum) | Infiltration Rate $\left(f^{3 / 3}\right)$ | Overflow Discharge (f13/s) | $\begin{aligned} & \text { Cumulative } \\ & \text { Inflow } \\ & \text { Volume }\left(\mathrm{ff}^{3}\right) \end{aligned}$ | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{fl}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 41.317 | 0.0000 | 0.0000 | 83.601 | 0.68893 | 0.00000 | 602892.1 | 321995.2 | 0.0 | S |
| 41.325 | 0.0000 | 0.0000 | 83.601 | 0.68878 | 0.00000 | 602892.1 | 322015.9 | 0.0 | S |
| 41.333 | 0.0000 | 0.0000 | 83.601 | 0.68862 | 0.00000 | 602892.1 | 322036.5 | 0.0 | S |
| 41.342 | 0.0000 | 0.0000 | 83.600 | 0.68846 | 0.00000 | 602892.1 | 322057.2 | 0.0 | S |
| 41.350 | 0.0000 | 0.0000 | 83.600 | 0.68831 | 0.00000 | 602892.1 | 322077.8 | 0.0 | S |
| 41.358 | 0.0000 | 0.0000 | 83.600 | 0.68815 | 0.00000 | 602892.1 | 322098.5 | 0.0 | S |
| 41.367 | 0.0000 | 0.0000 | 83.599 | 0.68799 | 0.00000 | 602892.1 | 322119.1 | 0.0 | S |
| 41.375 | 0.0000 | 0.0000 | 83.599 | 0.68784 | 0.00000 | 602892.1 | 322139.8 | 0.0 | S |
| 41.383 | 0.0000 | 0.0000 | 83.599 | 0.68768 | 0.00000 | 602892.1 | 322160.4 | 0.0 | S |
| 41.392 | 0.0000 | 0.0000 | 83.598 | 0.68752 | 0.00000 | 602892.1 | 322181.0 | 0.0 | S |
| 41.400 | 0.0000 | 0.0000 | 83.598 | 0.68737 | 0.00000 | 602892.1 | 322201.7 | 0.0 | S |
| 41.408 | 0.0000 | 0.0000 | 83.598 | 0.68721 | 0.00000 | 602892.1 | 322222.3 | 0.0 | S |
| 41.417 | 0.0000 | 0.0000 | 83.597 | 0.68706 | 0.00000 | 602892.1 | 322242.9 | 0.0 | S |
| 41.425 | 0.0000 | 0.0000 | 83.597 | 0.68690 | 0.00000 | 602892.1 | 322263.5 | 0.0 | S |
| 41.433 | 0.0000 | 0.0000 | 83.597 | 0.68675 | 0.00000 | 602892.1 | 322284.1 | 0.0 | S |
| 41.442 | 0.0000 | 0.0000 | 83.597 | 0.68659 | 0.00000 | 602892.1 | 322304.7 | 0.0 | S |
| 4§.450 | 0.0000 | 0.0000 | 83.596 | 0.68643 | 0.00000 | 602892.1 | 322325.3 | 0.0 | S |
| 41.458 | 0.0000 | 0.0000 | 83.596 | 0.68628 | 0.00000 | 602892.1 | 322345.9 | 0.0 | S |
| 41.467 | 0.0000 | 0.0000 | 83.596 | 0.68612 | 0.00000 | 602892.1 | 322366.5 | 0.0 | S |
| 41.475 | 0.0000 | 0.0000 | 83.595 | 0.68597 | 0.00000 | 602892.1 | 322387.0 | 0.0 | S |
| 41.483 | 0.0000 | 0.0000 | 83.595 | 0.68581 | 0.00000 | 602892.1 | 322407.6 | 0.0 | S |
| 41.492 | 0,0000 | 0.0000 | 83.595 | 0.68566 | 0.00000 | 602892.1 | 322428.2 | 0.0 | S |
| 41.500 | 0.0000 | 0.0000 | 83.594 | 0.68550 | 0.00000 | 602892.1 | 322448.8 | 0.0 | S |
| 41.508 | 0.0000 | 0.0000 | 83.594 | 0.68535 | 0.00000 | 602892.1 | 322469.3 | 0.0 | S |
| 41.517 | 0.0000 | 0.0000 | 83.594 | 0.68519 | 0.00000 | 602892.1 | 322489.9 | 0.0 | S |
| 41.525 | 0.0000 | 0.0000 | 83.594 | 0.68504 | 0.00000 | 602892.1 | 322510.4 | 0.0 | S |
| 41.533 | 0.0000 | 0.0000 | 83.593 | 0.68488 | 0.00000 | 602892.1 | 322531.0 | 0.0 | S |
| 41.542 | 0.0000 | 0.0000 | 83.593 | 0.68473 | 0.00000 | 602892.1 | 322551.5 | 0.0 | S |
| 41.550 | 0.0000 | 0.0000 | 83.593 | 0.68458 | 0.00000 | 602892.1 | 322572.1 | 0.0 | S |
| 41.558 | 0.0000 | 0.0000 | 83.592 | 0.68442 | 0.00000 | 602892.1 | 322592.6 | 0.0 | S |
| 41.567 | 0.0000 | 0.0000 | 83.592 | 0.68427 | 0.00000 | 602892.1 | 322613.1 | 0.0 | S |
| 41.575 | 0.0000 | 0.0000 | 83.592 | 0.68411 | 0.00000 | 602892.1 | 322633.7 | 0.0 | S |
| 41.583 | 0.0000 | 0.0000 | 83.591 | 0.68396 | 0.00000 | 602892.1 | 322654.2 | 0.0 | S |
| 41.592 | 0.0000 | 0.0000 | 83.591 | 0.68380 | 0.00000 | 602892.1 | 322674.7 | 0.0 | S |
| 41.600 | 0.0000 | 0.0000 | 83.591 | 0.68365 | 0.00000 | 602892.1 | 322695.2 | 0.0 | S |
| 41.608 | 0.0000 | 0.0000 | 83.590 | 0.68350 | 0.00000 | 602892.1 | 322715.7 | 0.0 | S |
| 41.617 | 0.0000 | 0.0000 | 83.590 | 0.68334 | 0.00000 | 602892.1 | 322736.2 | 0.0 | S |
| 41,625 | 0.0000 | 0.0000 | 83.590 | 0.68319 | 0.00000 | 602892.1 | 322756.7 | 0.0 | S |
| 41.633 | 0.0000 | 0.0000 | 83.590 | 0.68304 | 0.00000 | 602892.1 | 322777.2 | 0.0 | S |
| 41.642 | 0.0000 | 0.0000 | 83.589 | 0.68288 | 0.00000 | 602892.1 | 322797.7 | 0.0 | S |
| 41.650 | 0.0000 | 0.0000 | 83.589 | 0.68273 | 0.00000 | 602892.1 | 322818.2 | 0.0 | S |
| 41.658 | 0.0000 | 0.0000 | 83.589 | 0.68257 | 0.00000 | 602892.1 | 322838.7 | 0.0 | S |
| 41.667 | 0.0000 | 0.0000 | 83.588 | 0.68242 | 0.00000 | 602892.1 | 322859.1 | 0.0 | S |
| 41.675 | 0.0000 | 0.0000 | 83.588 | 0.68227 | 0.00000 | 602892.1 | 322879.6 | 0.0 | S |
| 41.683 | 0.0000 | 0.0000 | 83.588 | 0.68211 | 0.00000 | 602892.1 | 322900.1 | 0.0 | S |
| 41.692 | 0.0000 | 0.0000 | 83.587 | 0.68196 | 0.00000 | 602892.1 | 322920.5 | 0.0 | S |
| 41.700 | 0.0000 | 0.0000 | 83.587 | 0.68181 | 0.00000 | 602892.1 | 322941.0 | 0.0 | S |
| 41.708 | 0.0000 | 0.0000 | 83.587 | 0.68166 | 0.00000 | 602892.1 | 322961.4 | 0.0 | S |
| 41.717 | 0.0000 | 0.0000 | 83.587 | 0.68150 | 0.00000 | 602892.1 | 322981.9 | 0.0 | S |
| 41.725 | 0.0000 | 0.0000 | 83.586 | 0.68135 | 0.00000 | 602892.1 | 323002.3 | 0.0 | S |
| 41.733 | 0.0000 | 0.0000 | 83.586 | 0.68120 | 0.00000 | 602892.1 | 323022.8 | 0.0 | S |
| 41.742 | 0.0000 | 0.0000 | 83.586 | 0.68104 | 0.00000 | 602892.1 | 323043.2 | 0.0 | S |
| 41.750 | 0.0000 | 0.0000 | 83.585 | 0.68089 | 0.00000 | 602892.1 | 323063.6 | 0.0 | S |
| 41.758 | 0.0000 | 0.0000 | 83.585 | 0.68074 | 0.00000 | 602892.1 | 323084.1 | 0.0 | S |
| 41.767 | 0.0000 | 0.0000 | 83.585 | 0.68059 | 0.00000 | 602892.1 | 323104.5 | 0.0 | S |
| 41.775 | 0.0000 | 0.0000 | 83.584 | 0.68043 | 0.00000 | 602892.1 | 323124.9 | 0.0 | S |
| 41.783 | 0.0000 | 0.0000 | 83.584 | 0.68028 | 0.00000 | 602892.1 | 323145.3 | 0.0 | S |
| 41.792 | 0.0000 | 0.0000 | 83.584 | 0.68013 | 0.00000 | 602892.1 | 323165.7 | 0.0 | S |
| 41.800 | 0.0000 | 0.0000 | 83.583 | 0.67998 | 0.00000 | 602892.1 | 323186.1 | 0.0 | S |
| 41.808 | 0.0000 | 0.0000 | 83.583 | 0.67983 | 0.00000 | 602892.1 | 323206.5 | 0.0 | S |
| 41.817 | 0.0000 | 0.0000 | 83.583 | 0.67967 | 0.00000 | 602892.1 | 323226.9 | 0.0 | S |
| 41.825 | 0.0000 | 0.0000 | 83.583 | 0.67952 | 0.00000 | 602892.1 | 323247.3 | 0.0 | S |
| 41.833 | 0.0000 | 0.0000 | 83.582 | 0.67937 | 0.00000 | 602892.1 | 323267.7 | 0.0 | S |
| 41.842 | 0.0000 | 0.0000 | 83.582 | 0.67922 | 0.00000 | 602892.1 | 323288.1 | 0.0 | S |
| 41.850 | 0.0000 | 0.0000 | 83.582 | 0.67907 | 0.00000 | 602892.1 | 323308.4 | 0.0 | S |
| 41.858 | 0.0000 | 0.0000 | 83.581 | 0.67892 | 0.00000 | 602892.1 | 323328.8 | 0.0 | S |
| 41.867 | 0.0000 | 0.0000 | 83.581 | 0.67876 | 0.00000 | 602892.1 | 323349.2 | 0.0 | S |
| 41.875 | 0.0000 | 0.0000 | 83.581 | 0.67861 | 0.00000 | 602892.1 | 323369.5 | 0.0 | S |
| 41.883 | 0.0000 | 0.0000 | 83.580 | 0.67846 | 0.00000 | 602892.1 | 323389.9 | 0.0 | S |
| 41.892 | 0.0000 | 0.0000 | 83.580 | 0.67831 | 0.00000 | 602892.1 | 323410.2 | 0.0 | S |
| 41.900 | 0.0000 | 0.0000 | 83.580 | 0.67816 | 0.00000 | 602892.1 | 323430.6 | 0.0 | S |
| 41.908 | 0.0000 | 0.0000 | 83.580 | 0.67801 | 0.00000 | 602892.1 | 323450.9 | 0.0 | S |
| 41.917 | 0.0000 | 0.0000 | 83.579 | 0.67786 | 0.00000 | 602892.1 | 323471.3 | 0.0 | S |
| 41.925 | 0.0000 | 0.0000 | 83.579 | 0.67771 | 0.00000 | 602892.1 | 323491.6 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year $/ 24$ hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate (f13/s) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate (f13/s) | Overfiow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{fl}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 41.933 | 0.0000 | 0.0000 | 83.579 | 0.67755 | 0.00000 | 602892.1 | 323511.9 | 0.0 | S |
| 41.942 | 0.0000 | 0.0000 | 83.578 | 0.67740 | 0.00000 | 602892.1 | 323532.3 | 0.0 | S |
| 41.950 | 0.0000 | 0.0000 | 83.578 | 0.67725 | 0.00000 | 602892.1 | 323552.6 | 0.0 | S |
| 41.958 | 0.0000 | 0.0000 | 83.578 | 0.67710 | 0.00000 | 602892.1 | 323572.9 | 0.0 | S |
| 41.967 | 0.0000 | 0.0000 | 83.577 | 0.67695 | 0.00000 | 602892.1 | 323593.2 | 0.0 | S |
| 41.975 | 0.0000 | 0.0000 | 83.577 | 0.67680 | 0.00000 | 602892.1 | 323613.5 | 0.0 | S |
| 41.983 | 0.0000 | 0.0000 | 83.577 | 0.67665 | 0.00000 | 602892.1 | 323633.8 | 0.0 | S |
| 41.992 | 0.0000 | 0.0000 | 83.577 | 0.67650 | 0.00000 | 602892.1 | 323654.1 | 0.0 | S |
| 42.000 | 0.0000 | 0.0000 | 83.576 | 0.67635 | 0.00000 | 602892.1 | 323674.4 | 0.0 | S |
| 42.008 | 0.0000 | 0.0000 | 83.576 | 0.67620 | 0.00000 | 602892.1 | 323694.7 | 0.0 | S |
| 42.017 | 0.0000 | 0.0000 | 83.576 | 0.67605 | 0.00000 | 602892.1 | 323715.0 | 0.0 | S |
| 42.025 | 0.0000 | 0.0000 | 83.575 | 0.67590 | 0.00000 | 602892.1 | 323735.3 | 0.0 | S |
| 42.033 | 0.0000 | 0.0000 | 83.575 | 0.67575 | 0.00000 | 602892.1 | 323755.5 | 0.0 | S |
| 42.042 | 0.0000 | 0.0000 | 83.575 | 0.67560 | 0.00000 | 602892.1 | 323775.8 | 0.0 | S |
| 42.050 | 0.0000 | 0.0000 | 83.574 | 0.67545 | 0.00000 | 602892.1 | 323796.0 | 0.0 | S |
| 42.058 | 0.0000 | 0.0000 | 83.574 | 0.67530 | 0.00000 | 602892.1 | 323816.3 | 0.0 | S |
| 42.067 | 0.0000 | 0.0000 | 83.574 | 0.67515 | 0.00000 | 602892.1 | 323836.6 | 0.0 | S |
| 42.075 | 0.0000 | 0.0000 | 83.573 | 0.67500 | 0.00000 | 602892.1 | 323856.8 | 0.0 | S |
| 42.083 | 0.0000 | 0.0000 | 83.573 | 0.67485 | 0.00000 | 602892.1 | 323877.1 | 0.0 | S |
| 42.092 | 0.0000 | 0.0000 | 83.573 | 0.67470 | 0.00000 | 602892.1 | 323897.3 | 0.0 | S |
| 42.100 | 0.0000 | 0.0000 | 83.573 | 0.67455 | 0.00000 | 602892.1 | 323917.5 | 0.0 | S |
| 42.108 | 0.0000 | 0.0000 | 83.572 | 0.67440 | 0.00000 | 602892.1 | 323937.8 | 0.0 | S |
| 42.117 | 0.0000 | 0.0000 | 83.572 | 0.67425 | 0.00000 | 602892.1 | 323958.0 | 0.0 | S |
| 42.125 | 0.0000 | 0.0000 | 83.572 | 0.67411 | 0.00000 | 602892.1 | 323978.3 | 0.0 | S |
| 42.133 | 0.0000 | 0.0000 | 83.571 | 0.67396 | 0.00000 | 602892.1 | 323998.5 | 0.0 | S |
| 42.142 | 0.0000 | 0.0000 | 83.571 | 0.67381 | 0.00000 | 602892.1 | 324018.7 | 0.0 | S |
| 42.150 | 0.0000 | 0.0000 | 83.571 | 0.67366 | 0.00000 | 602892.1 | 324038.9 | 0.0 | S |
| 42.158 | 0.0000 | 0.0000 | 83.570 | 0.67351 | 0.00000 | 602892.1 | 324059.1 | 0.0 | S |
| 42.167 | 0.0000 | 0.0000 | 83.570 | 0.67336 | 0.00000 | 602892.1 | 324079.3 | 0.0 | S |
| 42.175 | 0.0000 | 0.0000 | 83.570 | 0.67321 | 0.00000 | 602892.1 | 324099.5 | 0.0 | S |
| 42.183 | 0.0000 | 0.0000 | 83.570 | 0.67306 | 0.00000 | 602892.1 | 324119.7 | 0.0 | S |
| 42.192 | 0.0000 | 0.0000 | 83.569 | 0.67291 | 0.00000 | 602892.1 | 324139.9 | 0.0 | S |
| 42.200 | 0.0000 | 0.0000 | 83.569 | 0.67277 | 0.00000 | 602892.1 | 324160.1 | 0.0 | S |
| 42.208 | 0.0000 | 0.0000 | 83.569 | 0.67262 | 0.00000 | 602892.1 | 324180.3 | 0.0 | S |
| 42.217 | 0.0000 | 0.0000 | 83.568 | 0.67247 | 0.00000 | 602892.1 | 324200.4 | 0.0 | S |
| 42.225 | 0.0000 | 0.0000 | 83.568 | 0.67232 | 0.00000 | 602892.1 | 324220.6 | 0.0 | S |
| 42.233 | 0.0000 | 0.0000 | 83.568 | 0.67217 | 0.00000 | 602892.1 | 324240.8 | 0.0 | S |
| 42.242 | 0.0000 | 0.0000 | 83.567 | 0.67203 | 0.00000 | 602892.1 | 324260.9 | 0.0 | S |
| 42.250 | 0.0000 | 0.0000 | 83.567 | 0.67188 | 0.00000 | 602892.1 | 324281.1 | 0.0 | S |
| 42.258 | 0.0000 | 0.0000 | 83.567 | 0.67173 | 0.00000 | 602892.1 | 324301.3 | 0.0 | S |
| 42.267 | 0.0000 | 0.0000 | 83.567 | 0.67158 | 0.00000 | 602892.1 | 324321.4 | 0.0 | S |
| 42.275 | 0.0000 | 0.0000 | 83.566 | 0.67143 | 0.00000 | 602892.1 | 324341.5 | 0.0 | S |
| 42.283 | 0.0000 | 0.0000 | 83.566 | 0.67129 | 0.00000 | 602892.1 | 324361.7 | 0.0 | S |
| 42.292 | 0.0000 | 0.0000 | 83.566 | 0.67114 | 0.00000 | 602892.1 | 324381.8 | 0.0 | S |
| 42.300 | 0.0000 | 0.0000 | 83.565 | 0.67099 | 0.00000 | 602892.1 | 324401.9 | 0.0 | S |
| 42.308 | 0.0000 | 0.0000 | 83.565 | 0.67084 | 0.00000 | 602892.1 | 324422.1 | 0.0 | S |
| 42.317 | 0.0000 | 0.0000 | 83.565 | 0.67070 | 0.00000 | 602892.1 | 324442.2 | 0.0 | S |
| 42.325 | 0.0000 | 0.0000 | 83.564 | 0.67055 | 0.00000 | 602892.1 | 324462.3 | 0.0 | S |
| 42.333 | 0.0000 | 0.0000 | 83.564 | 0.67040 | 0.00000 | 602892.1 | 324482.4 | 0.0 | S |
| 42.342 | 0.0000 | 0.0000 | 83.564 | 0.67025 | 0.00000 | 602892.1 | 324502.5 | 0.0 | S |
| 42.350 | 0.0000 | 0.0000 | 83.564 | 0.67011 | 0.00000 | 602892.1 | 324522.6 | 0.0 | S |
| 42.358 | 0.0000 | 0.0000 | 83.563 | 0.66996 | 0.00000 | 602892.1 | 324542.8 | 0.0 | S |
| 42.367 | 0.0000 | 0.0000 | 83.563 | 0.66981 | 0.00000 | 602892.1 | 324562.8 | 0.0 | S |
| 42.375 | 0.0000 | 0.0000 | 83.563 | 0.66967 | 0.00000 | 602892.1 | 324582.9 | 0.0 | S |
| 42.383 | 0.0000 | 0.0000 | 83.562 | 0.66952 | 0.00000 | 602892.1 | 324603.0 | 0.0 | S |
| 42.392 | 0.0000 | 0.0000 | 83.562 | 0.66937 | 0.00000 | 602892.1 | 324623.1 | 0.0 | S |
| 42.400 | 0.0000 | 0.0000 | 83.562 | 0.66923 | 0.00000 | 602892.1 | 324643.2 | 0.0 | S |
| 42.408 | 0.0000 | 0.0000 | 83.561 | 0.66908 | 0.00000 | 602892.1 | 324663.3 | 0.0 | S |
| 42.417 | 0.0000 | 0.0000 | 83.561 | 0.66893 | 0.00000 | 602892.1 | 324683.3 | 0.0 | S |
| 42.425 | 0.0000 | 0.0000 | 83.561 | 0.66879 | 0.00000 | 602892.1 | 324703.4 | 0.0 | S |
| 42.433 | 0.0000 | 0.0000 | 83.561 | 0.66864 | 0.00000 | 602892.1 | 324723.4 | 0.0 | S |
| 42.442 | 0.0000 | 0.0000 | 83.560 | 0.66849 | 0.00000 | 602892.1 | 324743.5 | 0.0 | S |
| 42.450 | 0.0000 | 0.0000 | 83.560 | 0.66835 | 0.00000 | 602892.1 | 324763.6 | 0.0 | S |
| 42.458 | 0.0000 | 0.0000 | 83.560 | 0.66820 | 0.00000 | 602892.1 | 324783.6 | 0.0 | S |
| 42.467 | 0.0000 | 0.0000 | 83.559 | 0.66805 | 0.00000 | 602892.1 | 324803.7 | 0.0 | S |
| 42.475 | 0.0000 | 0.0000 | 83.559 | 0.66791 | 0.00000 | 602892.1 | 324823.7 | 0.0 | S |
| 42.483 | 0.0000 | 0.0000 | 83.559 | 0.66776 | 0.00000 | 602892.1 | 324843.7 | 0.0 | S |
| 42.492 | 0.0000 | 0.0000 | 83.558 | 0.66762 | 0.00000 | 602892.1 | 324863.8 | 0.0 | S |
| 42.500 | 0.0000 | 0.0000 | 83.558 | 0.66747 | 0.00000 | 602892.1 | 324883.8 | 0.0 | S |
| 42.508 | 0.0000 | 0.0000 | 83.558 | 0.66733 | 0.00000 | 602892.1 | 324903.8 | 0.0 | S |
| 42.517 | 0.0000 | 0.0000 | 83.558 | 0.66718 | 0.00000 | 602892.1 | 324923.8 | 0.0 | S |
| 42.525 | 0.0000 | 0.0000 | 83.557 | 0.66703 | 0.00000 | 602892.1 | 324943.8 | 0.0 | S |
| 42.533 | 0.0000 | 0.0000 | 83.557 | 0.66689 | 0.00000 | 602892.1 | 324963.8 | 0.0 | S |
| 42.542 | 0.0000 | 0.0000 | 83.557 | 0.66674 | 0.00000 | 602892.1 | 324983.8 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate (f $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 42.550 | 0.0000 | 0.0000 | 83.556 | 0.66660 | 0.00000 | 602892.1 | 325003.8 | 0.0 | S |
| 42.558 | 0.0000 | 0.0000 | 83.556 | 0.66645 | 0.00000 | 602892.1 | 325023.8 | 0.0 | S |
| 42.567 | 0.0000 | 0.0000 | 83.556 | 0.66631 | 0.00000 | 602892.1 | 325043.8 | 0.0 | S |
| 42.575 | 0.0000 | 0.0000 | 83.555 | 0.66616 | 0.00000 | 602892.1 | 325063.8 | 0.0 | S |
| 42.583 | 0.0000 | 0.0000 | 83.555 | 0.66602 | 0.00000 | 602892.1 | 325083.8 | 0.0 | S |
| 42.592 | 0.0000 | 0.0000 | 83.555 | 0.66587 | 0.00000 | 602892.1 | 325103.8 | 0.0 | S |
| 42.600 | 0.0000 | 0.0000 | 83.555 | 0.66573 | 0.00000 | 602892.1 | 325123.8 | 0.0 | S |
| 42.608 | 0.0000 | 0.0000 | 83.554 | 0.66558 | 0.00000 | 602892.1 | 325143.7 | 0.0 | S |
| 42.617 | 0.0000 | 0.0000 | 83.554 | 0.66544 | 0.00000 | 602892.1 | 325163.7 | 0.0 | S |
| 42.625 | 0.0000 | 0.0000 | 83.554 | 0.66529 | 0.00000 | 602892.1 | 325183.7 | 0.0 | S |
| 42.633 | 0.0000 | 0.0000 | 83.553 | 0.66515 | 0.00000 | 602892.1 | 325203.6 | 0.0 | S |
| 42,642 | 0.0000 | 0.0000 | 83.553 | 0.66500 | 0.00000 | 602892.1 | 325223.6 | 0.0 | S |
| 42.650 | 0.0000 | 0.0000 | 83.553 | 0.66486 | 0.00000 | 602892.1 | 325243.5 | 0.0 | S |
| 42.658 | 0.0000 | 0.0000 | 83.553 | 0.66471 | 0.00000 | 602892.1 | 325263.5 | 0.0 | S |
| 42.667 | 0.0000 | 0.0000 | 83.552 | 0.66457 | 0.00000 | 602892.1 | 325283.4 | 0.0 | S |
| 42.675 | 0.0000 | 0.0000 | 83.552 | 0.66443 | 0.00000 | 602892.1 | 325303.3 | 0.0 | S |
| 42.683 | 0.0000 | 0.0000 | 83.552 | 0.66428 | 0.00000 | 602892.1 | 325323.3 | 0.0 | S |
| 42.692 | 0.0000 | 0.0000 | 83.551 | 0.66414 | 0.00000 | 602892.1 | 325343.2 | 0.0 | S |
| 42.700 | 0.0000 | 0.0000 | 83.551 | 0.66399 | 0.00000 | 602892.1 | 325363.1 | 0.0 | S |
| 42.708 | 0.0000 | 0.0000 | 83.551 | 0.66385 | 0.00000 | 602892.1 | 325383.0 | 0.0 | S |
| 42.717 | 0.0000 | 0.0000 | 83.550 | 0.66371 | 0.00000 | 602892.1 | 325402.9 | 0.0 | S |
| 42.725 | 0.0000 | 0.0000 | 83.550 | 0.66356 | 0.00000 | 602892.1 | 325422.8 | 0.0 | S |
| 42.733 | 0.0000 | 0.0000 | 83.550 | 0.66342 | 0.00000 | 602892.1 | 325442.8 | 0.0 | S |
| 42.742 | 0.0000 | 0.0000 | 83.550 | 0.66327 | 0.00000 | 602892.1 | 325462.7 | 0.0 | S |
| 42.750 | 0.0000 | 0.0000 | 83.549 | 0.66313 | 0.00000 | 602892.1 | 325482.6 | 0.0 | S |
| 42.758 | 0.0000 | 0.0000 | 83.549 | 0.66299 | 0.00000 | 602892.1 | 325502.4 | 0.0 | S |
| 42.767 | 0.0000 | 0.0000 | 83.549 | 0.66284 | 0.00000 | 602892.1 | 325522.3 | 0.0 | S |
| 42.775 | 0.0000 | 0.0000 | 83.548 | 0.66270 | 0.00000 | 602892.1 | 325542.2 | 0.0 | S |
| 42.783 | 0.0000 | 0.0000 | 83.548 | 0.66256 | 0.00000 | 602892.1 | 325562.1 | 0.0 | S |
| 42.792 | 0.0000 | 0.0000 | 83.548 | 0.66241 | 0.00000 | 602892.1 | 325582.0 | 0.0 | S |
| 42.800 | 0.0000 | 0.0000 | 83.547 | 0.66227 | 0.00000 | 602892.1 | 325601.8 | 0.0 | S |
| 42.808 | 0.0000 | 0.0000 | 83.547 | 0.66213 | 0.00000 | 602892.1 | 325621.7 | 0.0 | S |
| 42.817 | 0.0000 | 0.0000 | 83.547 | 0.66198 | 0.00000 | 602892.1 | 325641.6 | 0.0 | S |
| 42.825 | 0.0000 | 0.0000 | 83.547 | 0.66184 | 0.00000 | 602892.1 | 325661.4 | 0.0 | S |
| 42.833 | 0.0000 | 0.0000 | 83.546 | 0.66170 | 0.00000 | 602892.1 | 325681.3 | 0.0 | S |
| 42.842 | 0.0000 | 0.0000 | 83.546 | 0.66156 | 0.00000 | 602892.1 | 325701.1 | 0.0 | S |
| 42.850 | 0.0000 | 0.0000 | 83.546 | 0.66141 | 0.00000 | 602892.1 | 325721.0 | 0.0 | S |
| 42.858 | 0.0000 | 0.0000 | 83.545 | 0.66127 | 0.00000 | 602892.1 | 325740.8 | 0.0 | S |
| 42.867 | 0.0000 | 0.0000 | 83.545 | 0.66113 | 0.00000 | 602892.1 | 325760.7 | 0.0 | S |
| 42.875 | 0.0000 | 0.0000 | 83.545 | 0.66098 | 0.00000 | 602892.1 | 325780.5 | 0.0 | S |
| 42.883 | 0.0000 | 0.0000 | 83.544 | 0.66084 | 0.00000 | 602892.7 | 325800.3 | 0.0 | S |
| 42.892 | 0.0000 | 0.0000 | 83.544 | 0.66070 | 0.00000 | 602892.1 | 325820.1 | 0.0 | S |
| 42.900 | 0.0000 | 0.0000 | 83.544 | 0.66056 | 0.00000 | 602892.1 | 325839.9 | 0.0 | S |
| 42.908 | 0.0000 | 0.0000 | 83.544 | 0.66041 | 0.00000 | 602892.1 | 325859.8 | 0.0 | S |
| 42.917 | 0.0000 | 0.0000 | 83.543 | 0.66027 | 0.00000 | 602892.1 | 325879.6 | 0.0 | S |
| 42.925 | 0.0000 | 0.0000 | 83.543 | 0.66013 | 0.00000 | 602892.1 | 325899.4 | 0.0 | S |
| 42.933 | 0.0000 | 0.0000 | 83.543 | 0.65999 | 0.00000 | 602892.1 | 325919.2 | 0.0 | S |
| 42.942 | 0.0000 | 0.0000 | 83.542 | 0.65985 | 0.00000 | 602892.1 | 325939.0 | 0.0 | S |
| 42.950 | 0.0000 | 0.0000 | 83.542 | 0.65970 | 0.00000 | 602892.1 | 325958.8 | 0.0 | S |
| 42.958 | 0.0000 | 0.0000 | 83.542 | 0.65956 | 0.00000 | 602892.1 | 325978.6 | 0.0 | S |
| 42.967 | 0.0000 | 0.0000 | 83.542 | 0.65942 | 0.00000 | 602892.1 | 325998.3 | 0.0 | S |
| 42.975 | 0.0000 | 0.0000 | 83.541 | 0.65928 | 0.00000 | 602892.1 | 326018.1 | 0.0 | S |
| 42.983 | 0.0000 | 0.0000 | 83.541 | 0.65914 | 0.00000 | 602892.1 | 326037.9 | 0.0 | S |
| 42.992 | 0.0000 | 0.0000 | 83.541 | 0.65900 | 0.00000 | 602892.1 | 326057.7 | 0.0 | S |
| 43.000 | 0.0000 | 0.0000 | 83.540 | 0.65885 | 0.00000 | 602892.1 | 326077.4 | 0.0 | S |
| 43.008 | 0.0000 | 0.0000 | 83.540 | 0.65871 | 0.00000 | 602892.1 | 326097.2 | 0.0 | S |
| 43.017 | 0.0000 | 0.0000 | 83.540 | 0.65857 | 0.00000 | 602892.1 | 326117.0 | 0.0 | S |
| 43.025 | 0.0000 | 0.0000 | 83.539 | 0.65843 | 0.00000 | 602892.1 | 326136.7 | 0.0 | S |
| 43.033 | 0.0000 | 0.0000 | 83.539 | 0.65829 | 0.00000 | 602892.1 | 326156.5 | 0.0 | S |
| 43.042 | 0.0000 | 0.0000 | 83.539 | 0.65815 | 0.00000 | 602892.1 | 326176.2 | 0.0 | S |
| 43.050 | 0.0000 | 0.0000 | 83.539 | 0.65801 | 0.00000 | 602892.1 | 326196.0 | 0.0 | S |
| 43.058 | 0.0000 | 0.0000 | 83.538 | 0.65786 | 0.00000 | 602892.1 | 326215.7 | 0.0 | S |
| 43.067 | 0.0000 | 0.0000 | 83.538 | 0.65772 | 0.00000 | 602882.1 | 326235.4 | 0.0 | S |
| 43.075 | 0.0000 | 0.0000 | 83.538 | 0.65758 | 0.00000 | 602892.1 | 326255.2 | 0.0 | S |
| 43.083 | 0.0000 | 0.0000 | 83.537 | 0.65744 | 0.00000 | 602892.1 | 326274.9 | 0.0 | S |
| 43,092 | 0.0000 | 0.0000 | 83.537 | 0.65730 | 0.00000 | 602892.1 | 326294.6 | 0.0 | S |
| 43.100 | 0.0000 | 0.0000 | 83.537 | 0.65716 | 0.00000 | 602892.1 | 326314.3 | 0.0 | S |
| 43,108 | 0.0000 | 0.0000 | 83.537 | 0.65702 | 0.00000 | 602892.1 | 326334.0 | 0.0 | S |
| 43.117 | 0.0000 | 0.0000 | 83.536 | 0.65688 | 0.00000 | 602892.1 | 326353.8 | 0.0 | S |
| 43.125 | 0.0000 | 0.0000 | 83.536 | 0.65674 | 0.00000 | 602892.1 | 326373.4 | 0.0 | S |
| 43.133 | 0.0000 | 0.0000 | 83.538 | 0.65660 | 0.00000 | 602892.1 | 326393.2 | 0.0 | S |
| 43.142 | 0.0000 | 0.0000 | 83.535 | 0.65646 | 0.00000 | 602892.1 | 326412.8 | 0.0 | S |
| 43.150 | 0.0000 | 0.0000 | 83.535 | 0.65632 | 0.00000 | 602892.1 | 326432.5 | 0.0 | S |
| 43.158 | 0.0000 | 0.0000 | 83.535 | 0.65618 | 0.00000 | 602892.1 | 326452.2 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{H}^{3 / \mathrm{s}} \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumukative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 43.167 | 0.0000 | 0.0000 | 83.534 | 0.65604 | 0.00000 | 602892.1 | 326471.9 | 0.0 | S |
| 43.175 | 0.0000 | 0.0000 | 83.534 | 0.65590 | 0.00000 | 602892.1 | 326491.6 | 0.0 | S |
| 43.183 | 0.0000 | 0.0000 | 83.534 | 0.65576 | 0.00000 | 602892.1 | 326511.3 | 0.0 | S |
| 43.192 | 0.0000 | 0.0000 | 83.534 | 0.65562 | 0.00000 | 602892.1 | 326530.9 | 0.0 | S |
| 43.200 | 0.0000 | 0.0000 | 83.533 | 0.65548 | 0.00000 | 602892.1 | 326550.6 | 0.0 | S |
| 43.208 | 0.0000 | 0.0000 | 83.533 | 0.65534 | 0.00000 | 602892.1 | 326570.3 | 0.0 | S |
| 43.217 | 0.0000 | 0.0000 | 83.533 | 0.65520 | 0.00000 | 602892.1 | 326589.9 | 0.0 | S |
| 43.225 | 0.0000 | 0.0000 | 83.532 | 0.65506 | 0.00000 | 602892.1 | 326609.6 | 0.0 | S |
| 43.233 | 0.0000 | 0.0000 | 83.532 | 0.65492 | 0.00000 | 602892.1 | 326629.2 | 0.0 | S |
| 43.242 | 0.0000 | 0.0000 | 83.532 | 0.65478 | 0.00000 | 602892.1 | 326648.9 | 0.0 | S |
| 43.250 | 0.0000 | 0.0000 | 83.532 | 0.65464 | 0.00000 | 602892.1 | 326668.5 | 0.0 | S |
| 43.258 | 0.0000 | 0.0000 | 83.531 | 0.65450 | 0.00000 | 602892.1 | 326688.2 | 0.0 | S |
| 43.267 | 0.0000 | 0.0000 | 83.531 | 0.65436 | 0.00000 | 602892.1 | 326707.8 | 0.0 | S |
| 43.275 | 0.0000 | 0.0000 | 83.531 | 0.65422 | 0.00000 | 602892.1 | 326727.4 | 0.0 | S |
| 43.283 | 0.0000 | 0.0000 | 83.530 | 0.65408 | 0.00000 | 602892.1 | 326747.0 | 0.0 | S |
| 43.292 | 0.0000 | 0.0000 | 83.530 | 0.65394 | 0.00000 | 602892.1 | 326766.7 | 0.0 | S |
| 43.300 | 0.0000 | 0.0000 | 83.530 | 0.65380 | 0.00000 | 602892.1 | 326786.3 | 0.0 | S |
| 43.308 | 0.0000 | 0.0000 | 83.529 | 0.65366 | 0.00000 | 602892.1 | 326805.9 | 0.0 | S |
| 43.317 | 0.0000 | 0.0000 | 83.529 | 0.65353 | 0.00000 | 602892.1 | 326825.5 | 0.0 | S |
| 43.325 | 0.0000 | 0.0000 | 83.529 | 0.65339 | 0.00000 | 602892.1 | 326845.1 | 0.0 | S |
| 43.333 | 0.0000 | 0.0000 | 83.529 | 0.65325 | 0.00000 | 602892.1 | 326864.7 | 0.0 | S |
| 43.342 | 0.0000 | 0.0000 | 83.528 | 0.65311 | 0.00000 | 602892.1 | 326884.3 | 0.0 | S |
| 43.350 | 0.0000 | 0.0000 | 83.528 | 0.65297 | 0.00000 | 602892.1 | 326903.9 | 0.0 | S |
| 43.358 | 0.0000 | 0.0000 | 83.528 | 0.65283 | 0.00000 | 602892.1 | 326923.5 | 0.0 | S |
| 43.367 | 0.0000 | 0.0000 | 83.527 | 0.65269 | 0.00000 | 602892.1 | 326943.0 | 0.0 | S |
| 43.375 | 0.0000 | 0.0000 | 83.527 | 0.65255 | 0.00000 | 602892.1 | 326962.6 | 0.0 | S |
| 43.383 | 0.0000 | 0.0000 | 83.527 | 0.65242 | 0.00000 | 602892.1 | 326982.2 | 0.0 | S |
| 43.392 | 0.0000 | 0.0000 | 83.527 | 0.65228 | 0.00000 | 602892.1 | 327001.8 | 0.0 | S |
| 43.400 | 0.0000 | 0.0000 | 83.526 | 0.65214 | 0.00000 | 602892.1 | 327021.3 | 0.0 | S |
| 43.408 | 0.0000 | 0.0000 | 83.526 | 0.65200 | 0.00000 | 602892.1 | 327040.9 | 0.0 | S |
| 43.417 | 0.0000 | 0.0000 | 83.526 | 0.65186 | 0.00000 | 602892.1 | 327060.4 | 0.0 | S |
| 43.425 | 0.0000 | 0.0000 | 83.525 | 0.65173 | 0.00000 | 602892.1 | 327080.0 | 0.0 | S |
| 43.433 | 0.0000 | 0.0000 | 83.525 | 0.65159 | 0.00000 | 602892.1 | 327099.6 | 0.0 | S |
| 43.442 | 0.0000 | 0.0000 | 83.525 | 0.65145 | 0.00000 | 602892.1 | 327119.1 | 0.0 | S |
| 43.450 | 0.0000 | 0.0000 | 83.525 | 0.65131 | 0.00000 | 602892.1 | 327138.7 | 0.0 | S |
| 43.458 | 0.0000 | 0.0000 | 83.524 | 0.65117 | 0.00000 | 602892.1 | 327158.2 | 0.0 | S |
| 43.467 | 0.0000 | 0.0000 | 83.524 | 0.65104 | 0.00000 | 602892.1 | 327177.7 | 0.0 | S |
| 43.475 | 0.0000 | 0.0000 | 83.524 | 0.65090 | 0.00000 | 602892.1 | 327197.3 | 0.0 | S |
| 43.483 | 0.0000 | 0.0000 | 83.523 | 0.65076 | 0.00000 | 602892.1 | 327216.8 | 0.0 | S |
| 43.492 | 0.0000 | 0.0000 | 83.523 | 0.65062 | 0.00000 | 602892.1 | 327236.3 | 0.0 | S |
| 43.500 | 0.0000 | 0.0000 | 83.523 | 0.65049 | 0.00000 | 602892.1 | 327255.8 | 0.0 | S |
| 43.508 | 0.0000 | 0.0000 | 83.522 | 0.65035 | 0.00000 | 602892.1 | 327275.3 | 0.0 | S |
| 43.517 | 0.0000 | 0.0000 | 83.522 | 0.65021 | 0.00000 | 602892.1 | 327294.8 | 0.0 | S |
| 43.525 | 0.0000 | 0.0000 | 83.522 | 0.65007 | 0.00000 | 602892.1 | 327314.3 | 0.0 | S |
| 43.533 | 0.0000 | 0.0000 | 83.522 | 0.64994 | 0.00000 | 602892.1 | 327333.8 | 0.0 | S |
| 43.542 | 0.0000 | 0.0000 | 83.521 | 0.64980 | 0.00000 | 602892.1 | 327353.3 | 0.0 | S |
| 43.550 | 0.0000 | 0.0000 | 83.521 | 0.64966 | 0.00000 | 602892.1 | 327372.8 | 0.0 | S |
| 43.558 | 0.0000 | 0.0000 | 83.521 | 0.64952 | 0.00000 | 602892.1 | 327392.3 | 0.0 | S |
| 43.567 | 0.0000 | 0.0000 | 83.520 | 0.64939 | 0.00000 | 602892.1 | 327411.8 | 0.0 | S |
| 43.575 | 0.0000 | 0.0000 | 83.520 | 0.64925 | 0.00000 | 602892.1 | 327431.3 | 0.0 | S |
| 43.583 | 0.0000 | 0.0000 | 83.520 | 0.64911 | 0.00000 | 602892.1 | 327450.8 | 0.0 | S |
| 43.592 | 0.0000 | 0.0000 | 83.520 | 0.64898 | 0.00000 | 602892.1 | 327470.2 | 0.0 | S |
| 43.600 | 0.0000 | 0.0000 | 83.519 | 0.64884 | 0.00000 | 602892.1 | 327489.7 | 0.0 | S |
| 43.608 | 0.0000 | 0.0000 | 83.519 | 0.64870 | 0.00000 | 602892.1 | 327509.2 | 0.0 | S |
| 43.617 | 0.0000 | 0.0000 | 83.519 | 0.64857 | 0.00000 | 602892.1 | 327528.6 | 0.0 | S |
| 43.625 | 0.0000 | 0.0000 | 83.518 | 0.64843 | 0.00000 | 602892.1 | 327548.1 | 0.0 | S |
| 43.633 | 0.0000 | 0.0000 | 83.518 | 0.64829 | 0.00000 | 602892.1 | 327567.5 | 0.0 | S |
| 43.642 | 0.0000 | 0.0000 | 83.518 | 0.64816 | 0.00000 | 602892.1 | 327587.0 | 0.0 | S |
| 43.650 | 0.0000 | 0.0000 | 83.517 | 0.64802 | 0.00000 | 602892.1 | 327606.4 | 0.0 | S |
| 43.658 | 0.0000 | 0.0000 | 83.517 | 0.64789 | 0.00000 | 602892.1 | 327625.8 | 0.0 | S |
| 43.667 | 0.0000 | 0.0000 | 83.517 | 0.64775 | 0.00000 | 602892.1 | 327645.3 | 0.0 | S |
| 43.675 | 0.0000 | 0.0000 | 83.517 | 0.64761 | 0.00000 | 602892.1 | 327664.7 | 0.0 | S |
| 43.683 | 0.0000 | 0.0000 | 83.516 | 0.64748 | 0.00000 | 602892.1 | 327684.1 | 0.0 | S |
| 43.692 | 0.0000 | 0.0000 | 83.516 | 0.64734 | 0.00000 | 602892.1 | 327703.6 | 0.0 | S |
| 43.700 | 0.0000 | 0.0000 | 83.516 | 0.64721 | 0.00000 | 602892.1 | 327723.0 | 0.0 | S |
| 43.708 | 0.0000 | 0.0000 | 83.515 | 0.64707 | 0.00000 | 602892.1 | 327742.4 | 0.0 | S |
| 43.717 | 0.0000 | 0.0000 | 83.515 | 0.64693 | 0.00000 | 602892.1 | 327761.8 | 0.0 | S |
| 43.725 | 0.0000 | 0.0000 | 83.515 | 0.64680 | 0.00000 | 602892.1 | 327781.2 | 0.0 | S |
| 43.733 | 0.0000 | 0.0000 | 83.515 | 0.64666 | 0.00000 | 602892.1 | 327800.6 | 0.0 | S |
| 43.742 | 0.0000 | 0.0000 | 83.514 | 0.64653 | 0.00000 | 602892.1 | 327820.0 | 0.0 | S |
| 43.750 | 0.0000 | 0.0000 | 83.514 | 0.64639 | 0.00000 | 602892.1 | 327839.4 | 0.0 | S |
| 43.758 | 0.0000 | 0.0000 | 83.514 | 0.64626 | 0.00000 | 602892.1 | 327858.8 | 0.0 | S |
| 43.767 | 0.0000 | 0.0000 | 83.513 | 0.64612 | 0.00000 | 602892.1 | 327878.2 | 0.0 | S |
| 43.775 | 0.0000 | 0.0000 | 83.513 | 0.64598 | 0.00000 | 602892.1 | 327897.6 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow


PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Infiow Rate (f $\mathrm{f}^{3 / \mathrm{s}}$ ) | Outside Recharge (t/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Ovenlow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume (ft ${ }^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume (ft ${ }^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 44.400 | 0.0000 | 0.0000 | 83.492 | 0.63601 | 0.00000 | 602892.1 | 329339.8 | 0.0 | S |
| 44.408 | 0.0000 | 0.0000 | 83.491 | 0.63588 | 0.00000 | 602892.1 | 329358.8 | 0.0 | S |
| 44.417 | 0.0000 | 0.0000 | 83.491 | 0.63575 | 0.00000 | 602892.1 | 329377.9 | 0.0 | S |
| 44.425 | 0.0000 | 0.0000 | 83.491 | 0.63562 | 0.00000 | 602892.1 | 329397.0 | 0.0 | S |
| 44.433 | 0.0000 | 0.0000 | 83.490 | 0.63549 | 0.00000 | 602892.1 | 329416.0 | 0.0 | S |
| 44.442 | 0.0000 | 0.0000 | 83.490 | 0.63536 | 0.00000 | 602892.1 | 329435.1 | 0.0 | S |
| 44.450 | 0.0000 | 0.0000 | 83.490 | 0.63523 | 0.00000 | 602892.7 | 329454.2 | 0.0 | S |
| 44.458 | 0.0000 | 0.0000 | 83.490 | 0.63510 | 0.00000 | 602892.1 | 329473.2 | 0.0 | S |
| 44.467 | 0.0000 | 0.0000 | 83.489 | 0.63497 | 0.00000 | 602892.1 | 329492.3 | 0.0 | S |
| 44.475 | 0.0000 | 0.0000 | 83.489 | 0.63484 | 0.00000 | 602892.1 | 329511.3 | 0.0 | S |
| 44.483 | 0.0000 | 0.0000 | 83.489 | 0.63471 | 0.00000 | 602892.1 | 329530.3 | 0.0 | S |
| 44.492 | 0.0000 | 0.0000 | 83.488 | 0.63458 | 0.00000 | 602892.1 | 329549.4 | 0.0 | S |
| 44.500 | 0.0000 | 0.0000 | 83.488 | 0.63445 | 0.00000 | 602892.1 | 329568.4 | 0.0 | S |
| 44.508 | 0.0000 | 0.0000 | 83.488 | 0.63432 | 0.00000 | 602892.1 | 329587.4 | 0.0 | S |
| 44.517 | 0.0000 | 0.0000 | 83.488 | 0.63419 | 0.00000 | 602892.1 | 329606.5 | 0.0 | S |
| 44.525 | 0.0000 | 0.0000 | 83.487 | 0.63406 | 0.00000 | 602892.1 | 329625.5 | 0.0 | S |
| 44.533 | 0.0000 | 0.0000 | 83.487 | 0.63393 | 0.00000 | 602892.1 | 329644.5 | 0.0 | S |
| 44.542 | 0.0000 | 0.0000 | 83.487 | 0.63380 | 0.00000 | 602892.1 | 329663.5 | 0.0 | S |
| 44.550 | 0.0000 | 0.0000 | 83.486 | 0.63367 | 0.00000 | 602892.1 | 329682.6 | 0.0 | S |
| 44.558 | 0.0000 | 0.0000 | 83.486 | 0.63354 | 0.00000 | 602892.1 | 329701.6 | 0.0 | S |
| 44.567 | 0.0000 | 0.0000 | 83.486 | 0.63341 | 0.00000 | 602892.1 | 329720.6 | 0.0 | S |
| 44.575 | 0.0000 | 0.0000 | 83.486 | 0.63328 | 0.00000 | 602892.1 | 329739.6 | 0.0 | S |
| 44.583 | 0.0000 | 0.0000 | 83.485 | 0.63315 | 0.00000 | 602892.1 | 329758.6 | 0.0 | S |
| 44.592 | 0.0000 | 0.0000 | 83.485 | 0.63303 | 0.00000 | 602892.1 | 329777.6 | 0.0 | S |
| 44.600 | 0.0000 | 0.0000 | 83.485 | 0.63290 | 0.00000 | 602892.1 | 329796.5 | 0.0 | S |
| 44.608 | 0.0000 | 0.0000 | 83.484 | 0.63277 | 0.00000 | 602892.1 | 329815.5 | 0.0 | S |
| 44.617 | 0.0000 | 0.0000 | 83.484 | 0.63264 | 0.00000 | 602892.1 | 329834.5 | 0.0 | S |
| 44.625 | 0.0000 | 0.0000 | 83.484 | 0.63251 | 0.00000 | 602892.1 | 329853.5 | 0.0 | S |
| 44.633 | 0.0000 | 0.0000 | 83.484 | 0.63238 | 0.00000 | 602892.1 | 329872.5 | 0.0 | S |
| 44.642 | 0.0000 | 0.0000 | 83.483 | 0.63225 | 0.00000 | 602892.1 | 329891.4 | 0.0 | S |
| 44.650 | 0.0000 | 0.0000 | 83.483 | 0.63212 | 0.00000 | 602892.1 | 329910.4 | 0.0 | S |
| 44.658 | 0.0000 | 0.0000 | 83.483 | 0.63199 | 0.00000 | 602892.1 | 329929.3 | 0.0 | S |
| 44.667 | 0.0000 | 0.0000 | 83.482 | 0.63186 | 0.00000 | 602892.1 | 329948.3 | 0.0 | S |
| 44.675 | 0.0000 | 0.0000 | 83.482 | 0.63174 | 0.00000 | 602892.1 | 329967.3 | 0.0 | S |
| 44.683 | 0.0000 | 0.0000 | 83.482 | 0.63161 | 0.00000 | 602892.1 | 329986.2 | 0.0 | S |
| 44.692 | 0.0000 | 0.0000 | 83.482 | 0.63148 | 0.00000 | 602892.1 | 330005.2 | 0.0 | S |
| 44.700 | 0.0000 | 0.0000 | 83.481 | 0.63135 | 0.00000 | 602892.1 | 330024.1 | 0.0 | S |
| 44.708 | 0.0000 | 0.0000 | 83.481 | 0.63122 | 0.00000 | 602892.1 | 330043.0 | 0.0 | S |
| 44.717 | 0.0000 | 0.0000 | 83.481 | 0.63109 | 0.00000 | 602892.1 | 330062.0 | 0.0 | S |
| 44.725 | 0.0000 | 0.0000 | 83.480 | 0.63097 | 0.00000 | 602892.1 | 330080.9 | 0.0 | S |
| 44.733 | 0.0000 | 0.0000 | 83.480 | 0.63084 | 0.00000 | 602892.1 | 330099.8 | 0.0 | S |
| 44.742 | 0.0000 | 0.0000 | 83.480 | 0.63071 | 0.00000 | 602892.1 | 330118.8 | 0.0 | S |
| 44.750 | 0.0000 | 0.0000 | 83.480 | 0.63058 | 0.00000 | 602892.1 | 330137.7 | 0.0 | S |
| 44.758 | 0.0000 | 0.0000 | 83.479 | 0.63045 | 0.00000 | 602892.1 | 330156.6 | 0.0 | S |
| 44.767 | 0.0000 | 0.0000 | 83.479 | 0.63032 | 0.00000 | 602892.1 | 330175.5 | 0.0 | S |
| 44.775 | 0.0000 | 0.0000 | 83.479 | 0.63020 | 0.00000 | 602892.1 | 330194.4 | 0.0 | S |
| 44.783 | 0.0000 | 0.0000 | 83.478 | 0.63007 | 0.00000 | 602892.1 | 330213.3 | 0.0 | S |
| 44.792 | 0.0000 | 0.0000 | 83.478 | 0.62994 | 0.00000 | 602892.1 | 330232.2 | 0.0 | S |
| 44.800 | 0.0000 | 0.0000 | 83.478 | 0.62981 | 0.00000 | 602892.1 | 330251.1 | 0.0 | S |
| 44.808 | 0.0000 | 0.0000 | 83.478 | 0.62969 | 0.00000 | 602892.1 | 330270.0 | 0.0 | S |
| 44.817 | 0.0000 | 0.0000 | 83.477 | 0.62956 | 0.00000 | 602892.1 | 330288.9 | 0.0 | S |
| 44.825 | 0.0000 | 0.0000 | 83.477 | 0.62943 | 0.00000 | 602892.1 | 330307.8 | 0.0 | S |
| 44.833 | 0.0000 | 0.0000 | 83.477 | 0.62930 | 0.00000 | 602892.1 | 330326.7 | 0.0 | S |
| 44.842 | 0.0000 | 0.0000 | 83.476 | 0.62917 | 0.00000 | 602892.1 | 330345.5 | 0.0 | S |
| 44.850 | 0.0000 | 0.0000 | 83.476 | 0.62905 | 0.00000 | 602892.1 | 330364.4 | 0.0 | S |
| 44.858 | 0.0000 | 0.0000 | 83.476 | 0.62892 | 0.00000 | 602892.1 | 330383.3 | 0.0 | S |
| 44.867 | 0.0000 | 0.0000 | 83.476 | 0.62879 | 0.00000 | 602892.1 | 330402.2 | 0.0 | S |
| 44.875 | 0.0000 | 0.0000 | 83.475 | 0.62867 | 0.00000 | 602892.1 | 330421.0 | 0.0 | S |
| 44.883 | 0.0000 | 0.0000 | 83.475 | 0.62854 | 0.00000 | 602892.1 | 330439.9 | 0.0 | S |
| 44.892 | 0.0000 | 0.0000 | 83.475 | 0.62841 | 0.00000 | 602892.1 | 330458.7 | 0.0 | S |
| 44.900 | 0.0000 | 0.0000 | 83.474 | 0.62828 | 0.00000 | 602892.1 | 330477.6 | 0.0 | S |
| 44.908 | 0.0000 | 0.0000 | 83.474 | 0.62816 | 0.00000 | 602892.1 | 330496.4 | 0.0 | S |
| 44.917 | 0.0000 | 0.0000 | 83.474 | 0.62803 | 0.00000 | 602892.1 | 330515.3 | 0.0 | S |
| 44.925 | 0.0000 | 0.0000 | 83.474 | 0.62790 | 0.00000 | 602892.1 | 330534.1 | 0.0 | S |
| 44.933 | 0.0000 | 0.0000 | 83.473 | 0.62778 | 0.00000 | 602892.1 | 330552.9 | 0.0 | S |
| 44.942 | 0.0000 | 0.0000 | 83.473 | 0.62765 | 0.00000 | 602892.1 | 330571.8 | 0.0 | S |
| 44.950 | 0.0000 | 0.0000 | 83.473 | 0.62752 | 0.00000 | 602892.1 | 330590.6 | 0.0 | S |
| 44.958 | 0.0000 | 0.0000 | 83.472 | 0.62740 | 0.00000 | 602892.1 | 330609.4 | 0.0 | S |
| 44.967 | 0.0000 | 0.0000 | 83.472 | 0.62727 | 0.00000 | 602892.1 | 330628.3 | 0.0 | S |
| 44.975 | 0.0000 | 0.0000 | 83.472 | 0.62714 | 0.00000 | 602892.1 | 330647.1 | 0.0 | S |
| 44.983 | 0.0000 | 0.0000 | 83.472 | 0.62702 | 0.00000 | 602892.1 | 330665.9 | 0.0 | S |
| 44.992 | 0.0000 | 0.0000 | 83.471 | 0.62689 | 0.00000 | 602892.1 | 330684.7 | 0.0 | S |
| 45.000 | 0.0000 | 0.0000 | 83.471 | 0.62676 | 0.00000 | 602892.1 | 330703.5 | 0.0 | S |
| 45.008 | 0.0000 | 0.0000 | 83.471 | 0.62664 | 0.00000 | 602892.1 | 330722.3 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year $/ 24$ hour routing with pond 10 overflow

| Elapsed Time (hours) | inflow Rate ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overliow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{h}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 45.017 | 0.0000 | 0.0000 | 83.470 | 0.62651 | 0.00000 | 602892.1 | 330741.1 | 0.0 | S |
| 45.025 | 0.0000 | 0.0000 | 83.470 | 0.62638 | 0.00000 | 602892.1 | 330759.9 | 0.0 | S |
| 45.033 | 0.0000 | 0.0000 | 83.470 | 0.62626 | 0.00000 | 602892.1 | 330778.7 | 0.0 | S |
| 45.042 | 0.0000 | 0.0000 | 83.470 | 0.62613 | 0.00000 | 602892.1 | 330797.4 | 0.0 | S |
| 45.050 | 0.0000 | 0.0000 | 83.469 | 0.62601 | 0.00000 | 602892.1 | 330816.2 | 0.0 | S |
| 45.058 | 0.0000 | 0.0000 | 83.469 | 0.62588 | 0.00000 | 602892.1 | 330835.0 | 0.0 | S |
| 45.067 | 0.0000 | 0.0000 | 83.469 | 0.62575 | 0.00000 | 602892.1 | 330853.8 | 0.0 | S |
| 45.075 | 0.0000 | 0.0000 | 83.468 | 0.62563 | 0.00000 | 602892.1 | 330872.6 | 0.0 | S |
| 45.083 | 0.0000 | 0.0000 | 83.468 | 0.62550 | 0.00000 | 602892.1 | 330891.3 | 0.0 | S |
| 45.092 | 0.0000 | 0.0000 | 83.468 | 0.62538 | 0.00000 | 602892.1 | 330910.1 | 0.0 | S |
| 45.100 | 0.0000 | 0.0000 | 83.468 | 0.62525 | 0.00000 | 602892.1 | 330928.8 | 0.0 | S |
| 45.108 | 0.0000 | 0.0000 | 83.467 | 0.62513 | 0.00000 | 602892.1 | 330947.6 | 0.0 | S |
| 45.117 | 0.0000 | 0.0000 | 83.467 | 0.62500 | 0.00000 | 602892.1 | 330966.3 | 0.0 | S |
| 45.125 | 0.0000 | 0.0000 | 83.467 | 0.62487 | 0.00000 | 602892.1 | 330985.1 | 0.0 | S |
| 45.133 | 0.0000 | 0.0000 | 83.467 | 0.62475 | 0.00000 | 602892.1 | 331003.8 | 0.0 | S |
| 45.142 | 0.0000 | 0.0000 | 83.466 | 0.62462 | 0.00000 | 602892.1 | 331022.6 | 0.0 | S |
| 45.150 | 0.0000 | 0.0000 | 83.466 | 0.62450 | 0.00000 | 602892.1 | 331041.3 | 0.0 | S |
| 45.158 | 0.0000 | 0.0000 | 83.466 | 0.62437 | 0.00000 | 602892.1 | 331060.1 | 0.0 | S |
| 45.167 | 0.0000 | 0.0000 | 83.465 | 0.62425 | 0.00000 | 602892.1 | 331078.8 | 0.0 | S |
| 45.175 | 0.0000 | 0.0000 | 83.465 | 0.62412 | 0.00000 | 602892.1 | 331097.5 | 0.0 | S |
| 45.183 | 0.0000 | 0.0000 | 83.465 | 0.62400 | 0.00000 | 602892.1 | 331116.2 | 0.0 | S |
| 45.192 | 0.0000 | 0.0000 | 83.465 | 0.62387 | 0.00000 | 602892.1 | 331134.9 | 0.0 | S |
| 45.200 | 0.0000 | 0.0000 | 83.464 | 0.62375 | 0.00000 | 602892.1 | 331153.7 | 0.0 | S |
| 45.208 | 0.0000 | 0.0000 | 83.464 | 0.62362 | 0.00000 | 602892.1 | 331172.4 | 0.0 | S |
| 45.217 | 0.0000 | 0.0000 | 83.464 | 0.62350 | 0.00000 | 602892.1 | 331191.1 | 0.0 | S |
| 45.225 | 0.0000 | 0.0000 | 83.463 | 0.62337 | 0.00000 | 602892.1 | 331209.8 | 0.0 | S |
| 45.233 | 0.0000 | 0.0000 | 83.463 | 0.62325 | 0.00000 | 602892.1 | 331228.5 | 0.0 | S |
| 45.242 | 0.0000 | 0.0000 | 83.463 | 0.62312 | 0.00000 | 602892.1 | 331247.2 | 0.0 | S |
| 45.250 | 0.0000 | 0.0000 | 83.463 | 0.62300 | 0.00000 | 602892.1 | 331265.9 | 0.0 | S |
| 45.258 | 0.0000 | 0.0000 | 83.462 | 0.62287 | 0.00000 | 602892.1 | 331284.6 | 0.0 | S |
| 45.267 | 0.0000 | 0.0000 | 83.462 | 0.62275 | 0.00000 | 602892.1 | 331303.3 | 0.0 | S |
| 45.275 | 0.0000 | 0.0000 | 83.462 | 0.62262 | 0.00000 | 602892.1 | 331321.9 | 0.0 | S |
| 45.283 | 0.0000 | 0.0000 | 83.461 | 0.62250 | 0.00000 | 602892.1 | 331340.6 | 0.0 | S |
| 45.292 | 0.0000 | 0.0000 | 83.461 | 0.62238 | 0.00000 | 602892.1 | 331359.3 | 0.0 | S |
| 45.300 | 0.0000 | 0.0000 | 83.461 | 0.62225 | 0.00000 | 602892.1 | 331377.9 | 0.0 | S |
| 45.308 | 0.0000 | 0.0000 | 83.461 | 0.62213 | 0.00000 | 602892.1 | 331396.6 | 0.0 | S |
| 45.317 | 0.0000 | 0.0000 | 83.460 | 0.62200 | 0.00000 | 602892.1 | 331415.3 | 0.0 | S |
| 45.325 | 0.0000 | 0.0000 | 83.460 | 0.62188 | 0.00000 | 602892.1 | 331433.9 | 0.0 | S |
| 45.333 | 0.0000 | 0.0000 | 83.460 | 0.62175 | 0.00000 | 602892.1 | 331452.6 | 0.0 | S |
| 45.342 | 0.0000 | 0.0000 | 83.459 | 0.62163 | 0.00000 | 602892.1 | 331471.2 | 0.0 | S |
| 45.350 | 0.0000 | 0.0000 | 83.459 | 0.62151 | 0.00000 | 602892.1 | 331489.9 | 0.0 | S |
| 45.358 | 0.0000 | 0.0000 | 83.459 | 0.62138 | 0.00000 | 602892.1 | 331508.5 | 0.0 | S |
| 45.367 | 0.0000 | 0.0000 | 83.459 | 0.62126 | 0.00000 | 602892.1 | 331527.2 | 0.0 | S |
| 45.375 | 0.0000 | 0.0000 | 83.458 | 0.62113 | 0.00000 | 602892.1 | 331545.8 | 0.0 | S |
| 45.383 | 0.0000 | 0.0000 | 83.458 | 0.62101 | 0.00000 | 602892.1 | 331564.4 | 0.0 | S |
| 45.392 | 0.0000 | 0.0000 | 83.458 | 0.62089 | 0.00000 | 602892.1 | 331583.1 | 0.0 | S |
| 45.400 | 0.0000 | 0.0000 | 83.458 | 0.62076 | 0.00000 | 602892.1 | 331601.7 | 0.0 | S |
| 45.408 | 0.0000 | 0.0000 | 83.457 | 0.62064 | 0.00000 | 602892.1 | 331620.3 | 0.0 | S |
| 45.417 | 0.0000 | 0.0000 | 83.457 | 0.62052 | 0.00000 | 602892.1 | 331638.9 | 0.0 | S |
| 45.425 | 0.0000 | 0.0000 | 83.457 | 0.62039 | 0.00000 | 602892.1 | 331657.5 | 0.0 | S |
| 45.433 | 0.0000 | 0.0000 | 83.456 | 0.62027 | 0.00000 | 602892.1 | 331676.2 | 0.0 | S |
| 45.442 | 0.0000 | 0.0000 | 83.456 | 0.62015 | 0.00000 | 602892.1 | 331694.8 | 0.0 | S |
| 45.450 | 0.0000 | 0.0000 | 83.456 | 0.62002 | 0.00000 | 602892.1 | 331713.3 | 0.0 | S |
| 45.458 | 0.0000 | 0.0000 | 83.456 | 0.61990 | 0.00000 | 602892.1 | 331731.9 | 0.0 | S |
| 45.467 | 0.0000 | 0.0000 | 83.455 | 0.61978 | 0.00000 | 602892.1 | 331750.5 | 0.0 | S |
| 45.475 | 0.0000 | 0.0000 | 83.455 | 0.61965 | 0.00000 | 602892.1 | 331769.1 | 0.0 | S |
| 45.483 | 0.0000 | 0.0000 | 83.455 | 0.61953 | 0.00000 | 602892.1 | 331787.7 | 0.0 | S |
| 45.492 | 0.0000 | 0.0000 | 83.454 | 0.61941 | 0.00000 | 602892.1 | 331806.3 | 0.0 | S |
| 45.500 | 0.0000 | 0.0000 | 83.454 | 0.61928 | 0.00000 | 602892.1 | 331824.9 | 0.0 | S |
| 45.508 | 0.0000 | 0.0000 | 83.454 | 0.61916 | 0.00000 | 602892.1 | 331843.5 | 0.0 | S |
| 45.517 | 0.0000 | 0.0000 | 83.454 | 0.61904 | 0.00000 | 602892.1 | 331862.0 | 0.0 | S |
| 45.525 | 0.0000 | 0.0000 | 83.453 | 0.61891 | 0.00000 | 602892.1 | 331880.6 | 0.0 | S |
| 45.533 | 0.0000 | 0.0000 | 83.453 | 0.61879 | 0.00000 | 602892.1 | 331899.2 | 0.0 | S |
| 45.542 | 0.0000 | 0.0000 | 83.453 | 0.61867 | 0.00000 | 602892.1 | 331917.8 | 0.0 | S |
| 45.550 | 0.0000 | 0.0000 | 83.452 | 0.61855 | 0.00000 | 602892.1 | 331936.3 | 0.0 | S |
| 45.558 | 0.0000 | 0.0000 | 83.452 | 0.61842 | 0.00000 | 602892.1 | 331954.8 | 0.0 | S |
| 45.567 | 0.0000 | 0.0000 | 83.452 | 0.61830 | 0.00000 | 602892.1 | 331973.4 | 0.0 | S |
| 45.575 | 0.0000 | 0.0000 | 83.452 | 0.61818 | 0.00000 | 602892.1 | 331991.9 | 0.0 | S |
| 45.583 | 0.0000 | 0.0000 | 83.451 | 0.61806 | 0.00000 | 602892.1 | 332010.5 | 0.0 | S |
| 45.592 | 0.0000 | 0.0000 | 83.451 | 0.61793 | 0.00000 | 602892.7 | 332029.0 | 0.0 | S |
| 45.600 | 0.0000 | 0.0000 | 83.451 | 0.61781 | 0.00000 | 602892.1 | 332047.6 | 0.0 | S |
| 45.608 | 0.0000 | 0.0000 | 83.451 | 0.61769 | 0.00000 | 602892.1 | 332066.1 | 0.0 | S |
| 45.617 | 0.0000 | 0.0000 | 83.450 | 0.61757 | 0.00000 | 602892.1 | 332084.6 | 0.0 | S |
| 45.625 | 0.0000 | 0.0000 | 83.450 | 0.61744 | 0.00000 | 602892.1 | 332103.2 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario $1::$ pond 9100 year $/ 24$ hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | infiltration Rate (f $\mathrm{f}^{3} / \mathrm{s}$ ) | Overfiow Discharge ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{H}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 45.633 | 0.0000 | 0.0000 | 83.450 | 0.61732 | 0.00000 | 602892.1 | 332121.7 | 0.0 | S |
| 45.642 | 0.0000 | 0.0000 | 83.449 | 0.61720 | 0.00000 | 602892.1 | 332140.2 | 0.0 | S |
| 45.650 | 0.0000 | 0.0000 | 83.449 | 0.61708 | 0.00000 | 602892.1 | 332158.7 | 0.0 | S |
| 45.658 | 0.0000 | 0.0000 | 83.449 | 0.61696 | 0.00000 | 602892.1 | 332177.2 | 0.0 | S |
| 45.667 | 0.0000 | 0.0000 | 83.449 | 0.61683 | 0.00000 | 602882.1 | 332195.7 | 0.0 | S |
| 45.675 | 0.0000 | 0.0000 | 83.448 | 0.61671 | 0.00000 | 602892.1 | 332214.2 | 0.0 | S |
| 45.683 | 0.0000 | 0.0000 | 83.448 | 0.61659 | 0.00000 | 602892.1 | 332232.7 | 0.0 | S |
| 45.692 | 0.0000 | 0.0000 | 83.448 | 0.61647 | 0.00000 | 602892.1 | 332251.2 | 0.0 | S |
| 45.700 | 0.0000 | 0.0000 | 83.447 | 0.61635 | 0.00000 | 602892.1 | 332269.7 | 0.0 | S |
| 45.708 | 0.0000 | 0.0000 | 83.447 | 0.61623 | 0.00000 | 602892.1 | 332288.2 | 0.0 | S |
| 45.717 | 0.0000 | 0.0000 | 83.447 | 0.61610 | 0.00000 | 602892.1 | 332306.7 | 0.0 | S |
| 45.725 | 0.0000 | 0.0000 | 83.447 | 0.61598 | 0.00000 | 602892.1 | 332325.2 | 0.0 | S |
| 45.733 | 0.0000 | 0.0000 | 83.446 | 0.61586 | 0.00000 | 602892.1 | 332343.7 | 0.0 | S |
| 45.742 | 0.0000 | 0.0000 | 83.446 | 0.61574 | 0.00000 | 602892.1 | 332362.1 | 0.0 | S |
| 45.750 | 0.0000 | 0.0000 | 83.446 | 0.61562 | 0.00000 | 602892.1 | 332380.6 | 0.0 | S |
| 45.758 | 0.0000 | 0.0000 | 83.446 | 0.61550 | 0.00000 | 602892.1 | 332399.1 | 0.0 | S |
| 45.767 | 0.0000 | 0.0000 | 83.445 | 0.61537 | 0.00000 | 602892.1 | 332417.5 | 0.0 | S |
| 45.775 | 0.0000 | 0.0000 | 83.445 | 0.61525 | 0.00000 | 602892.1 | 332436.0 | 0.0 | S |
| 45.783 | 0.0000 | 0.0000 | 83.445 | 0.61513 | 0.00000 | 602892.1 | 332454.4 | 0.0 | S |
| 45.792 | 0.0000 | 0.0000 | 83.444 | 0.61501 | 0.00000 | 602892.1 | 332472.9 | 0.0 | S |
| 45.800 | 0.0000 | 0.0000 | 83.444 | 0.61489 | 0.00000 | 602892.1 | 332491.3 | 0.0 | S |
| 45.808 | 0.0000 | 0.0000 | 83.444 | 0.61477 | 0.00000 | 602892.1 | 332509.8 | 0.0 | S |
| 45.817 | 0.0000 | 0.0000 | 83.444 | 0.61465 | 0.00000 | 602892.1 | 332528.2 | 0.0 | S |
| 45.825 | 0.0000 | 0.0000 | 83.443 | 0.61453 | 0.00000 | 602892.1 | 332546.7 | 0.0 | S |
| 45.833 | 0.0000 | 0.0000 | 83.443 | 0.61441 | 0.00000 | 602892.1 | 332565.1 | 0.0 | S |
| 45.842 | 0.0000 | 0.0000 | 83.443 | 0.61429 | 0.00000 | 602892.1 | 332583.5 | 0.0 | S |
| 45.850 | 0.0000 | 0.0000 | 83.442 | 0.61417 | 0.00000 | 602892.1 | 332601.9 | 0.0 | S |
| 45.858 | 0.0000 | 0.0000 | 83.442 | 0.61404 | 0.00000 | 602892.1 | 332620.4 | 0.0 | S |
| 45.867 | 0.0000 | 0.0000 | 83.442 | 0.61392 | 0.00000 | 602892.1 | 332638.8 | 0.0 | S |
| 45.875 | 0.0000 | 0.0000 | 83.442 | 0.61380 | 0.00000 | 602892.1 | 332657.2 | 0.0 | S |
| 45.883 | 0.0000 | 0.0000 | 83.441 | 0.61368 | 0.00000 | 602892.1 | 332675.6 | 0.0 | S |
| 45.892 | 0.0000 | 0.0000 | 83.441 | 0.61356 | 0.00000 | 602892.1 | 332694.0 | 0.0 | S |
| 45.900 | 0.0000 | 0.0000 | 83.441 | 0.61344 | 0.00000 | 602892.1 | 332712.4 | 0.0 | S |
| 45.908 | 0.0000 | 0.0000 | 83.441 | 0.61332 | 0.00000 | 602892.1 | 332730.8 | 0.0 | S |
| 45.917 | 0.0000 | 0.0000 | 83.440 | 0.61320 | 0.00000 | 602892.1 | 332749.3 | 0.0 | S |
| 45.925 | 0.0000 | 0.0000 | 83.440 | 0.61308 | 0.00000 | 602892.1 | 332767.6 | 0.0 | S |
| 45.933 | 0.0000 | 0.0000 | 83.440 | 0.61296 | 0.00000 | 602892.1 | 332786.0 | 0.0 | S |
| 45.942 | 0.0000 | 0.0000 | 83.439 | 0.61284 | 0.00000 | 602892.1 | 332804.4 | 0.0 | S |
| 45.950 | 0.0000 | 0.0000 | 83.439 | 0.61272 | 0.00000 | 602892.1 | 332822.8 | 0.0 | S |
| 45.958 | 0.0000 | 0.0000 | 83.439 | 0.61260 | 0.00000 | 602892.1 | 332841.2 | 0.0 | S |
| 45.967 | 0.0000 | 0.0000 | 83.439 | 0.61248 | 0.00000 | 602892.1 | 332859.6 | 0.0 | S |
| 45.975 | 0.0000 | 0.0000 | 83.438 | 0.61236 | 0.00000 | 602892.1 | 332877.9 | 0.0 | S |
| 45.983 | 0.0000 | 0.0000 | 83.438 | 0.61224 | 0.00000 | 602892.1 | 332896.3 | 0.0 | S |
| 45.992 | 0.0000 | 0.0000 | 83.438 | 0.61212 | 0.00000 | 602892.1 | 332914.7 | 0.0 | S |
| 46.000 | 0.0000 | 0.0000 | 83.437 | 0.61200 | 0.00000 | 602892.1 | 332933.0 | 0.0 | S |
| 46.008 | 0.0000 | 0.0000 | 83.437 | 0.61188 | 0.00000 | 602892.1 | 332951.4 | 0.0 | S |
| 46.017 | 0.0000 | 0.0000 | 83.437 | 0.61176 | 0.00000 | 602892.1 | 332969.7 | 0.0 | S |
| 46.025 | 0.0000 | 0.0000 | 83.437 | 0.61164 | 0.00000 | 602892.1 | 332988.1 | 0.0 | S |
| 46.033 | 0.0000 | 0.0000 | 83.436 | 0.61152 | 0.00000 | 602892.1 | 333006.4 | 0.0 | S |
| 46.042 | 0.0000 | 0.0000 | 83.436 | 0.61140 | 0.00000 | 602892.1 | 333024.8 | 0.0 | S |
| 46.050 | 0.0000 | 0.0000 | 83.436 | 0.61128 | 0.00000 | 602892.1 | 333043.1 | 0.0 | S |
| 46.058 | 0.0000 | 0.0000 | 83.436 | 0.61116 | 0.00000 | 602892.1 | 333061.4 | 0.0 | S |
| 46.067 | 0.0000 | 0.0000 | 83.435 | 0.61104 | 0.00000 | 602892.1 | 333079.8 | 0.0 | S |
| 46.075 | 0.0000 | 0.0000 | 83.435 | 0.61092 | 0.00000 | 602892.1 | 333098.1 | 0.0 | S |
| 46.083 | 0.0000 | 0.0000 | 83.435 | 0.61081 | 0.00000 | 602892.1 | 333116.4 | 0.0 | S |
| 46.092 | 0.0000 | 0.0000 | 83.434 | 0.61069 | 0.00000 | 602892.1 | 333134.8 | 0.0 | S |
| 46.100 | 0.0000 | 0.0000 | 83.434 | 0.61057 | 0.00000 | 602892.1 | 333153.1 | 0.0 | S |
| 46.108 | 0.0000 | 0.0000 | 83.434 | 0.61045 | 0.00000 | 602892.1 | 333171.4 | 0.0 | S |
| 46.117 | 0.0000 | 0.0000 | 83.434 | 0.61033 | 0.00000 | 602892.1 | 333189.7 | 0.0 | S |
| 46.125 | 0.0000 | 0.0000 | 83.433 | 0.61021 | 0.00000 | 602892.1 | 333208.0 | 0.0 | S |
| 46.133 | 0.0000 | 0.0000 | 83.433 | 0.61009 | 0.00000 | 602892.1 | 333226.3 | 0.0 | S |
| 46.142 | 0.0000 | 0.0000 | 83.433 | 0.60997 | 0.00000 | 602892.1 | 333244.6 | 0.0 | S |
| 46.150 | 0.0000 | 0.0000 | 83.432 | 0.60985 | 0.00000 | 602892.1 | 333262.9 | 0.0 | S |
| 46.158 | 0.0000 | 0.0000 | 83.432 | 0.60973 | 0.00000 | 602892.1 | 333281.2 | 0.0 | S |
| 46.167 | 0.0000 | 0.0000 | 83.432 | 0.60962 | 0.00000 | 602892.1 | 333299.5 | 0.0 | S |
| 46.175 | 0.0000 | 0.0000 | 83.432 | 0.60950 | 0.00000 | 602892.1 | 333317.8 | 0.0 | S |
| 46.183 | 0.0000 | 0.0000 | 83.431 | 0.60938 | 0.00000 | 602892.1 | 333336.1 | 0.0 | S |
| 46.192 | 0.0000 | 0.0000 | 83.431 | 0.60926 | 0.00000 | 602892.1 | 333354.3 | 0.0 | S |
| 46.200 | 0.0000 | 0.0000 | 83.431 | 0.60914 | 0.00000 | 602892.1 | 333372.6 | 0.0 | S |
| 46.208 | 0.0000 | 0.0000 | 83.431 | 0.60902 | 0.00000 | 602892.1 | 333390.9 | 0.0 | S |
| 46.217 | 0.0000 | 0.0000 | 83.430 | 0.60890 | 0.00000 | 602892.1 | 333409.2 | 0.0 | S |
| 46.225 | 0.0000 | 0.0000 | 83.430 | 0.60879 | 0.00000 | 602892.1 | 333427.4 | 0.0 | S |
| 46.233 | 0.0000 | 0.0000 | 83.430 | 0.60867 | 0.00000 | 602892.1 | 333445.7 | 0.0 | S |
| 46.242 | 0.0000 | 0.0000 | 83.429 | 0.60855 | 0.00000 | 602892.1 | 333463.9 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Enflow Rate <br> ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{fl}^{3 / \mathrm{s})}$ | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 46.250 | 0.0000 | 0.0000 | 83.429 | 0.60843 | 0.00000 | 602892.1 | 333482.2 | 0.0 | S |
| 46.258 | 0.0000 | 0.0000 | 83.429 | 0.60831 | 0.00000 | 602892.1 | 333500.5 | 0.0 | S |
| 46.267 | 0.0000 | 0.0000 | 83.429 | 0.60819 | 0.00000 | 602892.1 | 333518.7 | 0.0 | S |
| 46.275 | 0.0000 | 0.0000 | 83.428 | 0.60808 | 0.00000 | 602892.1 | 333536.9 | 0.0 | S |
| 46.283 | 0.0000 | 0.0000 | 83.428 | 0.60796 | 0.00000 | 602892.1 | 333555.2 | 0.0 | S |
| 46.292 | 0.0000 | 0.0000 | 83.428 | 0.60784 | 0.00000 | 602892.1 | 333573.4 | 0.0 | S |
| 46.300 | 0.0000 | 0.0000 | 83.428 | 0.60772 | 0.00000 | 602892.1 | 333591.7 | 0.0 | S |
| 46.308 | 0.0000 | 0.0000 | 83.427 | 0.60760 | 0.00000 | 602892.1 | 333609.9 | 0.0 | S |
| 46.317 | 0.0000 | 0.0000 | 83.427 | 0.60749 | 0.00000 | 602892.1 | 333628.1 | 0.0 | S |
| 46.325 | 0.0000 | 0.0000 | 83.427 | 0.60737 | 0.00000 | 602892.1 | 333646.3 | 0.0 | S |
| 46.333 | 0.0000 | 0.0000 | 83.426 | 0.60725 | 0.00000 | 602892.1 | 333664.6 | 0.0 | S |
| 46.342 | 0.0000 | 0.0000 | 83.426 | 0.60713 | 0.00000 | 602892.1 | 333682.8 | 0.0 | S |
| 46.350 | 0.0000 | 0.0000 | 83.426 | 0.60702 | 0.00000 | 602892.1 | 333701.0 | 0.0 | S |
| 46.358 | 0.0000 | 0.0000 | 83.426 | 0.60690 | 0.00000 | 602892.1 | 333719.2 | 0.0 | S |
| 46.367 | 0.0000 | 0.0000 | 83.425 | 0.60678 | 0.00000 | 602892.1 | 333737.4 | 0.0 | S |
| 46.375 | 0.0000 | 0.0000 | 83.425 | 0.60666 | 0.00000 | 602892.1 | 333755.6 | 0.0 | S |
| 46.383 | 0.0000 | 0.0000 | 83.425 | 0.60655 | 0.00000 | 602892.1 | 333773.8 | 0.0 | S |
| 46.392 | 0.0000 | 0.0000 | 83.425 | 0.60643 | 0.00000 | 602892.1 | 333792.0 | 0.0 | S |
| 46.400 | 0.0000 | 0.0000 | 83.424 | 0.60631 | 0.00000 | 602892.1 | 333810.2 | 0.0 | S |
| 46.408 | 0.0000 | 0.0000 | 83.424 | 0.60619 | 0.00000 | 602892.1 | 333828.4 | 0.0 | S |
| 46.417 | 0.0000 | 0.0000 | 83.424 | 0.60608 | 0.00000 | 602892.1 | 333846.6 | 0.0 | S |
| 46.425 | 0.0000 | 0.0000 | 83.423 | 0.60596 | 0.00000 | 602892.1 | 333864.8 | 0.0 | S |
| 46.433 | 0.0000 | 0.0000 | 83.423 | 0.60584 | 0.00000 | 602892.1 | 333882.9 | 0.0 | S |
| 46.442 | 0.0000 | 0.0000 | 83.423 | 0.60573 | 0.00000 | 602892.1 | 333901.1 | 0.0 | S |
| 46.450 | 0.0000 | 0.0000 | 83.423 | 0.60561 | 0.00000 | 602892.1 | 333919.3 | 0.0 | S |
| 46.458 | 0.0000 | 0.0000 | 83.422 | 0.60549 | 0.00000 | 602892.1 | 333937.4 | 0.0 | S |
| 46.467 | 0.0000 | 0.0000 | 83.422 | 0.60538 | 0.00000 | 602892.1 | 333955.6 | 0.0 | S |
| 46.475 | 0.0000 | 0.0000 | 83.422 | 0.60526 | 0.00000 | 602892.1 | 333973.8 | 0.0 | S |
| 46.483 | 0.0000 | 0.0000 | 83.421 | 0.60514 | 0.00000 | 602892.1 | 333991.9 | 0.0 | S |
| 46.492 | 0.0000 | 0.0000 | 83.421 | 0.60502 | 0.00000 | 602892.1 | 334010.1 | 0.0 | S |
| 46.500 | 0.0000 | 0.0000 | 83.421 | 0.60491 | 0.00000 | 602892.1 | 334028.2 | 0.0 | S |
| 46.508 | 0.0000 | 0.0000 | 83.421 | 0.60479 | 0.00000 | 602892.1 | 334046.3 | 0.0 | S |
| 46.517 | 0.0000 | 0.0000 | 83.420 | 0.60467 | 0.00000 | 602892.1 | 334064.5 | 0.0 | S |
| 46.525 | 0.0000 | 0.0000 | 83.420 | 0.60456 | 0.00000 | 602892.1 | 334082.6 | 0.0 | S |
| 46.533 | 0.0000 | 0.0000 | 83.420 | 0.60444 | 0.00000 | 602892.1 | 334100.8 | 0.0 | S |
| 46.542 | 0.0000 | 0.0000 | 83.420 | 0.60433 | 0.00000 | 602892.1 | 334118.9 | 0.0 | S |
| 46.550 | 0.0000 | 0.0000 | 83.419 | 0.60421 | 0.00000 | 602892.1 | 334137.0 | 0.0 | S |
| 46.558 | 0.0000 | 0.0000 | 83.419 | 0.60409 | 0.00000 | 602892.1 | 334155.2 | 0.0 | S |
| 46.567 | 0.0000 | 0.0000 | 83.419 | 0.60398 | 0.00000 | 602892.1 | 334173.3 | 0.0 | S |
| 46.575 | 0.0000 | 0.0000 | 83.418 | 0.60386 | 0.00000 | 602892.1 | 334191.4 | 0.0 | S |
| 46.583 | 0.0000 | 0.0000 | 83.418 | 0.60374 | 0.00000 | 602892.1 | 334209.5 | 0.0 | S |
| 46.592 | 0.0000 | 0.0000 | 83.418 | 0.60363 | 0.00000 | 602892.1 | 334227.6 | 0.0 | S |
| 46.600 | 0.0000 | 0.0000 | 83.418 | 0.60351 | 0.00000 | 602892.1 | 334245.7 | 0.0 | S |
| 46.608 | 0.0000 | 0.0000 | 83.417 | 0.60340 | 0.00000 | 602892.1 | 334263.8 | 0.0 | S |
| 46.617 | 0.0000 | 0.0000 | 83.417 | 0.60328 | 0.00000 | 602892.1 | 334281.9 | 0.0 | S |
| 46.625 | 0.0000 | 0.0000 | 83.417 | 0.60316 | 0.00000 | 602892.1 | 334300.0 | 0.0 | S |
| 46.633 | 0.0000 | 0.0000 | 83.417 | 0.60305 | 0.00000 | 602892.1 | 334318.1 | 0.0 | S |
| 46.642 | 0.0000 | 0.0000 | 83.416 | 0.60293 | 0.00000 | 602892.1 | 334336.2 | 0.0 | S |
| 46.650 | 0.0000 | 0.0000 | 83.416 | 0.60282 | 0.00000 | 602892.1 | 334354.3 | 0.0 | S |
| 46.658 | 0.0000 | 0.0000 | 83.4 ¢6 | 0.60270 | 0.00000 | 602892.1 | 334372.4 | 0.0 | S |
| 46.667 | 0.0000 | 0.0000 | 83.415 | 0.60258 | 0.00000 | 602892.1 | 334390.4 | 0.0 | S |
| 46.675 | 0.0000 | 0.0000 | 83.415 | 0.60247 | 0.00000 | 602892.1 | 334408.5 | 0.0 | S |
| 46.683 | 0.0000 | 0.0000 | 83.415 | 0.60235 | 0.00000 | 602892.1 | 334426.6 | 0.0 | S |
| 46.692 | 0.0000 | 0.0000 | 83.415 | 0.60224 | 0.00000 | 602892.1 | 334444.7 | 0.0 | S |
| 46.700 | 0.0000 | 0.0000 | 83.414 | 0.60212 | 0.00000 | 602892.1 | 334462.8 | 0.0 | S |
| 46.708 | 0.0000 | 0.0000 | 83.414 | 0.60201 | 0.00000 | 602892.1 | 334480.8 | 0.0 | S |
| 46.717 | 0.0000 | 0.0000 | 83.414 | 0.60189 | 0.00000 | 602892.1 | 334498.8 | 0.0 | S |
| 46.725 | 0.0000 | 0.0000 | 83.414 | 0.60178 | 0.00000 | 602892.1 | 334516.9 | 0.0 | S |
| 46.733 | 0.0000 | 0.0000 | 83.413 | 0.60166 | 0.00000 | 602892.1 | 334535.0 | 0.0 | S |
| 46.742 | 0.0000 | 0.0000 | 83.413 | 0.60155 | 0.00000 | 602892.1 | 334553.0 | 0.0 | S |
| 46.750 | 0.0000 | 0.0000 | 83.413 | 0.60143 | 0.00000 | 602892.1 | 334571.1 | 0.0 | S |
| 46.758 | 0.0000 | 0.0000 | 83.412 | 0.60132 | 0.00000 | 602892.1 | 334589.1 | 0.0 | S |
| 46.767 | 0.0000 | 0.0000 | 83.412 | 0.60120 | 0.00000 | 602892.1 | 334607.1 | 0.0 | S |
| 46.775 | 0.0000 | 0.0000 | 83.412 | 0.60109 | 0.00000 | 602892.1 | 334625.2 | 0.0 | S |
| 46.783 | 0.0000 | 0.0000 | 83.412 | 0.60097 | 0.00000 | 602892.1 | 334643.2 | 0.0 | S |
| 46.792 | 0.0000 | 0.0000 | 83.411 | 0.60086 | 0.00000 | 602892.1 | 334661.2 | 0.0 | S |
| 46.800 | 0.0000 | 0.0000 | 83.411 | 0.60074 | 0.00000 | 602892.1 | 334679.3 | 0.0 | S |
| 46.808 | 0.0000 | 0.0000 | 83.411 | 0.60063 | 0.00000 | 602892.1 | 334697.3 | 0.0 | S |
| 46.817 | 0.0000 | 0.0000 | 83.411 | 0.60051 | 0.00000 | 602892.1 | 334715.3 | 0.0 | S |
| 46.825 | 0.0000 | 0.0000 | 83.410 | 0.60040 | 0.00000 | 602892.1 | 334733.3 | 0.0 | S |
| 46.833 | 0.0000 | 0.0000 | 83.410 | 0.60028 | 0.00000 | 602892.1 | 334751.3 | 0.0 | S |
| 46.842 | 0.0000 | 0.0000 | 83.410 | 0.60017 | 0.00000 | 602892.1 | 334769.3 | 0.0 | S |
| 46.850 | 0.0000 | 0.0000 | 83.409 | 0.60005 | 0.00000 | 602892.1 | 334787.3 | 0.0 | S |
| 46.858 | 0.0000 | 0.0000 | 83.409 | 0.59994 | 0.00000 | 602892.1 | 334805.3 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario $1::$ pond 9100 year $/ 24$ hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Voiume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 46.867 | 0.0000 | 0.0000 | 83.409 | 0.59982 | 0.00000 | 602892.1 | 334823.3 | 0.0 | S |
| 46.875 | 0.0000 | 0.0000 | 83.409 | 0.59971 | 0.00000 | 602892.1 | 334841.3 | 0.0 | S |
| 46.883 | 0.0000 | 0.0000 | 83.408 | 0.59959 | 0.00000 | 602892.1 | 334859.3 | 0.0 | S |
| 46.892 | 0.0000 | 0.0000 | 83.408 | 0.59948 | 0.00000 | 602892.1 | 334877.3 | 0.0 | S |
| 46.900 | 0.0000 | 0.0000 | 83.408 | 0.59937 | 0.00000 | 602892.1 | 334895.3 | 0.0 | S |
| 46.908 | 0.0000 | 0.0000 | 83.408 | 0.59925 | 0.00000 | 602892.1 | 334913.3 | 0.0 | S |
| 46.917 | 0.0000 | 0.0000 | 83.407 | 0.59914 | 0.00000 | 602892.1 | 334931.2 | 0.0 | S |
| 46.925 | 0.0000 | 0.0000 | 83.407 | 0.59902 | 0.00000 | 602892.1 | 334949.2 | 0.0 | S |
| 46.933 | 0.0000 | 0.0000 | 83.407 | 0.59891 | 0.00000 | 602892.1 | 334967.2 | 0.0 | S |
| 46.942 | 0.0000 | 0.0000 | 83.406 | 0.59879 | 0.00000 | 602892.1 | 334985.1 | 0.0 | S |
| 46.950 | 0.0000 | 0.0000 | 83.406 | 0.59868 | 0.00000 | 602892.1 | 335003.1 | 0.0 | S |
| 46.958 | 0.0000 | 0.0000 | 83.406 | 0.59857 | 0.00000 | 602892.1 | 335021.1 | 0.0 | S |
| 46.967 | 0.0000 | 0.0000 | 83.406 | 0.59845 | 0.00000 | 602892.1 | 335039.0 | 0.0 | S |
| 46.975 | 0.0000 | 0.0000 | 83,405 | 0.59834 | 0.00000 | 602892.1 | 335057.0 | 0.0 | S |
| 46.983 | 0.0000 | 0.0000 | 83.405 | 0.59822 | 0.00000 | 602892.1 | 335074.9 | 0.0 | S |
| 46.992 | 0.0000 | 0.0000 | 83.405 | 0.59811 | 0.00000 | 602892.1 | 335092.8 | 0.0 | S |
| 47.000 | 0.0000 | 0.0000 | 83.405 | 0.59800 | 0.00000 | 602892.1 | 335110.8 | 0.0 | S |
| 47.008 | 0.0000 | 0.0000 | 83.404 | 0.59788 | 0.00000 | 602892.1 | 335128.7 | 0.0 | S |
| 47.017 | 0.0000 | 0.0000 | 83.404 | 0.59777 | 0.00000 | 602892.1 | 335146.7 | 0.0 | S |
| 47.025 | 0.0000 | 0.0000 | 83.404 | 0.59766 | 0.00000 | 602892.1 | 335164.6 | 0.0 | S |
| 47.033 | 0.0000 | 0.0000 | 83.403 | 0.59754 | 0.00000 | 602892.1 | 335182.5 | 0.0 | S |
| 47.042 | 0.0000 | 0.0000 | 83.403 | 0.59743 | 0.00000 | 602892.1 | 335200.4 | 0.0 | S |
| 47.050 | 0.0000 | 0.0000 | 83.403 | 0.59732 | 0.00000 | 602892.1 | 335218.4 | 0.0 | S |
| 47.058 | 0.0000 | 0.0000 | 83.403 | 0.59720 | 0.00000 | 602892.1 | 335236.3 | 0.0 | S |
| 47.067 | 0.0000 | 0.0000 | 83.402 | 0.59709 | 0.00000 | 602892.1 | 335254.2 | 0.0 | S |
| 47.075 | 0.0000 | 0.0000 | 83.402 | 0.59698 | 0.00000 | 602892.1 | 335272.1 | 0.0 | S |
| 47.083 | 0.0000 | 0.0000 | 83.402 | 0.59686 | 0.00000 | 602892.1 | 335290.0 | 0.0 | S |
| 47.092 | 0.0000 | 0.0000 | 83.402 | 0.59675 | 0.00000 | 602892.1 | 335307.9 | 0.0 | S |
| 47.100 | 0.0000 | 0.0000 | 83.401 | 0.59664 | 0.00000 | 602892.1 | 335325.8 | 0.0 | S |
| 47.108 | 0.0000 | 0.0000 | 83.401 | 0.59652 | 0.00000 | 602892.1 | 335343.7 | 0.0 | S |
| 47.117 | 0.0000 | 0.0000 | 83.401 | 0.59641 | 0.00000 | 602892.1 | 335361.6 | 0.0 | S |
| 47.125 | 0.0000 | 0.0000 | 83.401 | 0.59630 | 0.00000 | 602892.1 | 335379.5 | 0.0 | S |
| 47.133 | 0.0000 | 0.0000 | 83.400 | 0.59618 | 0.00000 | 602892.1 | 335397.4 | 0.0 | S |
| 47.142 | 0.0000 | 0.0000 | 83.400 | 0.59607 | 0.00000 | 602892.1 | 335415.3 | 0.0 | S |
| 47.150 | 0.0000 | 0.0000 | 83.400 | 0.59596 | 0.00000 | 602892.1 | 335433.2 | 0.0 | S |
| 47.158 | 0.0000 | 0.0000 | 83.399 | 0.59585 | 0.00000 | 602892.1 | 335451.0 | 0.0 | S |
| 47.167 | 0.0000 | 0.0000 | 83.399 | 0.59573 | 0.00000 | 602892.1 | 335468.9 | 0.0 | S |
| 47.175 | 0.0000 | 0.0000 | 83.399 | 0.59562 | 0.00000 | 602892.1 | 335486.8 | 0.0 | S |
| 47.183 | 0.0000 | 0.0000 | 83.399 | 0.59551 | 0.00000 | 602892.1 | 335504.7 | 0.0 | S |
| 47.192 | 0.0000 | 0.0000 | 83.398 | 0.59539 | 0.00000 | 602892.1 | 335522.5 | 0.0 | S |
| 47.200 | 0.0000 | 0.0000 | 83.398 | 0.59528 | 0.00000 | 602892.1 | 335540.4 | 0.0 | S |
| 47.208 | 0.0000 | 0.0000 | 83.398 | 0.59517 | 0.00000 | 602892.1 | 335558.2 | 0.0 | S |
| 47.217 | 0.0000 | 0.0000 | 83.398 | 0.59506 | 0.00000 | 602892.1 | 335576.1 | 0.0 | S |
| 47.225 | 0.0000 | 0.0000 | 83.397 | 0.59494 | 0.00000 | 602892.1 | 335593.9 | 0.0 | S |
| 47.233 | 0.0000 | 0.0000 | 83.397 | 0.59483 | 0.00000 | 602892.1 | 335611.8 | 0.0 | S |
| 47.242 | 0.0000 | 0.0000 | 83.397 | 0.59472 | 0.00000 | 602892.1 | 335629.6 | 0.0 | S |
| 47.250 | 0.0000 | 0.0000 | 83.396 | 0.59461 | 0.00000 | 602892.1 | 335647.5 | 0.0 | S |
| 47.258 | 0.0000 | 0.0000 | 83.396 | 0.59450 | 0.00000 | 602892.1 | 335665.3 | 0.0 | S |
| 47.267 | 0.0000 | 0.0000 | 83.396 | 0.59438 | 0.00000 | 602892.1 | 335683.1 | 0.0 | S |
| 47.275 | 0.0000 | 0.0000 | 83.396 | 0.59427 | 0.00000 | 602892.1 | 335701.0 | 0.0 | S |
| 47.283 | 0.0000 | 0.0000 | 83.395 | 0.59416 | 0.00000 | 602892.1 | 335718.8 | 0.0 | S |
| 47.292 | 0.0000 | 0.0000 | 83.395 | 0.59405 | 0.00000 | 602892.1 | 335736.6 | 0.0 | S |
| 47.300 | 0.0000 | 0.0000 | 83.395 | 0.59393 | 0.00000 | 602892.1 | 335754.4 | 0.0 | S |
| 47.308 | 0.0000 | 0.0000 | 83.395 | 0.59382 | 0.00000 | 602892.1 | 335772.3 | 0.0 | S |
| 47.317 | 0.0000 | 0.0000 | 83.394 | 0.59371 | 0.00000 | 602892.1 | 335790.1 | 0.0 | S |
| 47.325 | 0.0000 | 0.0000 | 83.394 | 0.59360 | 0.00000 | 602892.1 | 335807.9 | 0.0 | S |
| 47.333 | 0.0000 | 0.0000 | 83.394 | 0.59349 | 0.00000 | 602892.1 | 335825.7 | 0.0 | S |
| 47.342 | 0.0000 | 0.0000 | 83.393 | 0.59338 | 0.00000 | 602892.1 | 335843.5 | 0.0 | S |
| 47.350 | 0.0000 | 0.0000 | 83.393 | 0.59326 | 0.00000 | 602892.1 | 335861.3 | 0.0 | S |
| 47.358 | 0.0000 | 0.0000 | 83.393 | 0.59315 | 0.00000 | 602892.1 | 335879.1 | 0.0 | S |
| 47.367 | 0.0000 | 0.0000 | 83.393 | 0.59304 | 0.00000 | 602892.1 | 335896.9 | 0.0 | S |
| 47.375 | 0.0000 | 0.0000 | 83.392 | 0.59293 | 0.00000 | 602892.1 | 335914.7 | 0.0 | S |
| 47.383 | 0.0000 | 0.0000 | 83.392 | 0.59282 | 0.00000 | 602892.1 | 335932.4 | 0.0 | S |
| 47.392 | 0.0000 | 0.0000 | 83.392 | 0.59271 | 0.00000 | 602892.1 | 335950.2 | 0.0 | S |
| 47.400 | 0.0000 | 0.0000 | 83.392 | 0.59259 | 0.00000 | 602892.1 | 335968.0 | 0.0 | S |
| 47.408 | 0.0000 | 0.0000 | 83.391 | 0.59248 | 0.00000 | 602892.1 | 335985.8 | 0.0 | S |
| 47.417 | 0.0000 | 0.0000 | 83.391 | 0.59237 | 0.00000 | 602892.1 | 336003.6 | 0.0 | S |
| 47.425 | 0.0000 | 0.0000 | 83.391 | 0.59226 | 0.00000 | 602892.1 | 336021.3 | 0.0 | S |
| 47.433 | 0.0000 | 0.0000 | 83.391 | 0.59215 | 0.00000 | 602892.1 | 336039.1 | 0.0 | S |
| 47.442 | 0.0000 | 0.0000 | 83.390 | 0.59204 | 0.00000 | 602892.1 | 336056.8 | 0.0 | S |
| 47.450 | 0.0000 | 0.0000 | 83.390 | 0.59193 | 0.00000 | 602892.1 | 336074.6 | 0.0 | S |
| 47.458 | 0.0000 | 0.0000 | 83.390 | 0.59182 | 0.00000 | 602892.1 | 336092.4 | 0.0 | S |
| 47.467 | 0.0000 | 0.0000 | 83.389 | 0.59170 | 0.00000 | 602892.1 | 336110.1 | 0.0 | S |
| 47.475 | 0.0000 | 0.0000 | 83.389 | 0.59159 | 0.00000 | 602892.1 | 336127.9 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (f/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | $\begin{aligned} & \text { Cumulative } \\ & \text { Inflow } \\ & \text { Volume }\left(\mathrm{f}^{3}\right) \end{aligned}$ | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{h}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 47.483 | 0.0000 | 0.0000 | 83.389 | 0.59148 | 0.00000 | 602892.1 | 336145.6 | 0.0 | S |
| 47.492 | 0.0000 | 0.0000 | 83.389 | 0.59137 | 0.00000 | 602892.1 | 336163.4 | 0.0 | S |
| 47.500 | 0.0000 | 0.0000 | 83.388 | 0.59126 | 0.00000 | 602892.1 | 336181.1 | 0.0 | S |
| 47.508 | 0.0000 | 0.0000 | 83.388 | 0.59115 | 0.00000 | 602892.1 | 336198.8 | 0.0 | S |
| 47.517 | 0.0000 | 0.0000 | 83.388 | 0.59104 | 0.00000 | 602892.1 | 336216.6 | 0.0 | S |
| 47.525 | 0.0000 | 0.0000 | 83.388 | 0.59093 | 0.00000 | 602892.1 | 336234.3 | 0.0 | S |
| 47.533 | 0.0000 | 0.0000 | 83.387 | 0.59082 | 0.00000 | 602892.1 | 336252.0 | 0.0 | S |
| 47.542 | 0.0000 | 0.0000 | 83.387 | 0.59071 | 0.00000 | 602892.1 | 336269.8 | 0.0 | S |
| 47.550 | 0.0000 | 0.0000 | 83.387 | 0.59060 | 0.00000 | 602892.1 | 336287.5 | 0.0 | S |
| 47.558 | 0.0000 | 0.0000 | 83.386 | 0.59049 | 0.00000 | 602892.1 | 336305.2 | 0.0 | S |
| 47.567 | 0.0000 | 0.0000 | 83.386 | 0.59038 | 0.00000 | 602892.1 | 336322.9 | 0.0 | S |
| 47.575 | 0.0000 | 0.0000 | 83.386 | 0.59026 | 0.00000 | 602892.1 | 336340.6 | 0.0 | S |
| 47.583 | 0.0000 | 0.0000 | 83.386 | 0.59015 | 0.00000 | 602892.1 | 336358.3 | 0.0 | S |
| 47.592 | 0.0000 | 0.0000 | 83.385 | 0.59004 | 0.00000 | 602892.1 | 336376.0 | 0.0 | S |
| 47.600 | 0.0000 | 0.0000 | 83.385 | 0.58993 | 0.00000 | 602892.1 | 336393.7 | 0.0 | S |
| 47.608 | 0.0000 | 0.0000 | 83.385 | 0.58982 | 0.00000 | 602892.1 | 336411.4 | 0.0 | S |
| 47.617 | 0.0000 | 0.0000 | 83.385 | 0.58971 | 0.00000 | 602892.1 | 336429.1 | 0.0 | S |
| 47.625 | 0.0000 | 0.0000 | 83.384 | 0.58960 | 0.00000 | 602892.1 | 336446.8 | 0.0 | S |
| 47.633 | 0.0000 | 0.0000 | 83.384 | 0.58949 | 0.00000 | 602892.1 | 336464.5 | 0.0 | S |
| 47.642 | 0.0000 | 0.0000 | 83.384 | 0.58938 | 0.00000 | 602892.1 | 336482.2 | 0.0 | S |
| 47.650 | 0.0000 | 0.0000 | 83.384 | 0.58927 | 0.00000 | 602892.1 | 336499.8 | 0.0 | S |
| 47.658 | 0.0000 | 0.0000 | 83.383 | 0.58916 | 0.00000 | 602892.1 | 336517.5 | 0.0 | S |
| 47.667 | 0.0000 | 0.0000 | 83.383 | 0.58905 | 0.00000 | 602892.1 | 336535.2 | 0.0 | S |
| 47.675 | 0.0000 | 0.0000 | 83.383 | 0.58894 | 0.00000 | 602892.1 | 336552.9 | 0.0 | S |
| 47.683 | 0.0000 | 0.0000 | 83.382 | 0.58883 | 0.00000 | 602892.1 | 336570.5 | 0.0 | S |
| 47.692 | 0.0000 | 0.0000 | 83.382 | 0.58872 | 0.00000 | 602892.1 | 336588.2 | 0.0 | S |
| 47.700 | 0.0000 | 0.0000 | 83.382 | 0.58861 | 0.00000 | 602892.1 | 336605.8 | 0.0 | S |
| 47.708 | 0.0000 | 0.0000 | 83.382 | 0.58850 | 0.00000 | 602892.1 | 336623.5 | 0.0 | S |
| 47.717 | 0.0000 | 0.0000 | 83.381 | 0.58839 | 0.00000 | 602892.1 | 336641.2 | 0.0 | S |
| 47.725 | 0.0000 | 0.0000 | 83.381 | 0.58828 | 0.00000 | 602892.1 | 336658.8 | 0.0 | S |
| 47.733 | 0.0000 | 0.0000 | 83.381 | 0.58817 | 0.00000 | 602892.1 | 336676.5 | 0.0 | S |
| 47.742 | 0.0000 | 0.0000 | 83.381 | 0.58807 | 0.00000 | 602892.1 | 336694.1 | 0.0 | S |
| 47.750 | 0.0000 | 0.0000 | 83.380 | 0.58796 | 0.00000 | 602892.1 | 336711.8 | 0.0 | S |
| 47.758 | 0.0000 | 0.0000 | 83.380 | 0.58785 | 0.00000 | 602892.1 | 336729.4 | 0.0 | S |
| 47.767 | 0.0000 | 0.0000 | 83.380 | 0.58774 | 0.00000 | 602892.1 | 336747.0 | 0.0 | S |
| 47.775 | 0.0000 | 0.0000 | 83.380 | 0.58763 | 0.00000 | 602892.1 | 336764.7 | 0.0 | S |
| 47.783 | 0.0000 | 0.0000 | 83.379 | 0.58752 | 0.00000 | 602892.1 | 336782.3 | 0.0 | S |
| 47.792 | 0.0000 | 0.0000 | 83.379 | 0.58741 | 0.00000 | 602892.1 | 336799.9 | 0.0 | S |
| 47.800 | 0.0000 | 0.0000 | 83.379 | 0.58730 | 0.00000 | 602892.1 | 336817.5 | 0.0 | S |
| 47.808 | 0.0000 | 0.0000 | 83.378 | 0.58719 | 0.00000 | 602892.1 | 336835.1 | 0.0 | S |
| 47.817 | 0.0000 | 0.0000 | 83.378 | 0.58708 | 0.00000 | 602892.1 | 336852.8 | 0.0 | S |
| 47.825 | 0.0000 | 0.0000 | 83.378 | 0.58697 | 0.00000 | 602892.1 | 336870.4 | 0.0 | S |
| 47.833 | 0.0000 | 0.0000 | 83.378 | 0.58686 | 0.00000 | 602892.1 | 336888.0 | 0.0 | S |
| 47.842 | 0.0000 | 0.0000 | 83.377 | 0.58675 | 0.00000 | 602892.1 | 336905.6 | 0.0 | S |
| 47.850 | 0.0000 | 0.0000 | 83.377 | 0.58665 | 0.00000 | 602892.1 | 336923.2 | 0.0 | S |
| 47.858 | 0.0000 | 0.0000 | 83.377 | 0.58654 | 0.00000 | 602892.1 | 336940.8 | 0.0 | S |
| 47.867 | 0.0000 | 0.0000 | 83.377 | 0.58643 | 0.00000 | 602892.1 | 336958.4 | 0.0 | S |
| 47.875 | 0.0000 | 0.0000 | 83.376 | 0.58632 | 0.00000 | 602892.1 | 336976.0 | 0.0 | S |
| 47.883 | 0.0000 | 0.0000 | 83.376 | 0.58621 | 0.00000 | 602892.1 | 336993.5 | 0.0 | S |
| 47.892 | 0.0000 | 0.0000 | 83.376 | 0.58610 | 0.00000 | 602892.1 | 337011.1 | 0.0 | S |
| 47.900 | 0.0000 | 0.0000 | 83.376 | 0.58599 | 0.00000 | 602892.1 | 337028.7 | 0.0 | S |
| 47.908 | 0.0000 | 0.0000 | 83.375 | 0.58588 | 0.00000 | 602892.1 | 337046.3 | 0.0 | S |
| 47.917 | 0.0000 | 0.0000 | 83.375 | 0.58578 | 0.00000 | 602892.1 | 337063.9 | 0.0 | S |
| 47.925 | 0.0000 | 0.0000 | 83.375 | 0.58567 | 0.00000 | 602892.1 | 337081.4 | 0.0 | S |
| 47.933 | 0.0000 | 0.0000 | 83.374 | 0.58556 | 0.00000 | 602892.1 | 337099.0 | 0.0 | S |
| 47.942 | 0.0000 | 0.0000 | 83.374 | 0.58545 | 0.00000 | 602892.1 | 337116.6 | 0.0 | S |
| 47.950 | 0.0000 | 0.0000 | 83.374 | 0.58534 | 0.00000 | 602892.1 | 337134.1 | 0.0 | S |
| 47.958 | 0.0000 | 0.0000 | 83.374 | 0.58523 | 0.00000 | 602892.1 | 337151.7 | 0.0 | S |
| 47.967 | 0.0000 | 0.0000 | 83.373 | 0.58512 | 0.00000 | 602892.1 | 337169.3 | 0.0 | S |
| 47.975 | 0.0000 | 0.0000 | 83.373 | 0.58502 | 0.00000 | 602892.1 | 337186.8 | 0.0 | S |
| 47.983 | 0.0000 | 0.0000 | 83.373 | 0.58491 | 0.00000 | 602892.1 | 337204.3 | 0.0 | S |
| 47.992 | 0.0000 | 0.0000 | 83.373 | 0.58480 | 0.00000 | 602892.1 | 337221.9 | 0.0 | S |
| 48.000 | 0.0000 | 0.0000 | 83.372 | 0.58469 | 0.00000 | 602892.1 | 337239.4 | 0.0 | S |
| 48.008 | 0.0000 | 0.0000 | 83.372 | 0.58458 | 0.00000 | 602892.1 | 337257.0 | 0.0 | S |
| 48.017 | 0.0000 | 0.0000 | 83.372 | 0.58448 | 0.00000 | 602892.1 | 337274.5 | 0.0 | S |
| 48.025 | 0.0000 | 0.0000 | 83.372 | 0.58437 | 0.00000 | 602892.1 | 337292.0 | 0.0 | S |
| 48.033 | 0.0000 | 0.0000 | 83.371 | 0.58426 | 0.00000 | 602892.1 | 337309.6 | 0.0 | S |
| 48.042 | 0.0000 | 0.0000 | 83.371 | 0.58415 | 0.00000 | 602892.1 | 337327.1 | 0.0 | S |
| 48.050 | 0.0000 | 0.0000 | 83.371 | 0.58404 | 0.00000 | 602892.1 | 337344.6 | 0.0 | S |
| 48.058 | 0.0000 | 0.0000 | 83.370 | 0.58394 | 0.00000 | 602892.1 | 337362.1 | 0.0 | S |
| 48.067 | 0.0000 | 0.0000 | 83.370 | 0.58383 | 0.00000 | 602892.1 | 337379.7 | 0.0 | S |
| 48.075 | 0.0000 | 0.0000 | 83.370 | 0.58372 | 0.00000 | 602892.1 | 337397.2 | 0.0 | S |
| 48.083 | 0.0000 | 0.0000 | 83.370 | 0.58361 | 0.00000 | 602892.1 | 337414.7 | 0.0 | S |
| 48.092 | 0.0000 | 0.0000 | 83.369 | 0.58350 | 0.00000 | 602892.1 | 337432.2 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (f/day) | Stage Elevation (fidatum) | Infiltration Rate (ft ${ }^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{H}^{3 / \mathrm{s}}$ ) | Cumulative inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume $\left\langle\mathrm{f}^{3}\right.$ ) | Cumulative Discharge Volume ( $\mathrm{n}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 48.100 | 0.0000 | 0.0000 | 83.369 | 0.58340 | 0.00000 | 602892.1 | 337449.7 | 0.0 | S |
| 48.108 | 0.0000 | 0.0000 | 83.369 | 0.58329 | 0.00000 | 602892.1 | 337467.2 | 0.0 | S |
| 48.117 | 0.0000 | 0.0000 | 83.369 | 0.58318 | 0.00000 | 602892.1 | 337484.7 | 0.0 | S |
| 48.125 | 0.0000 | 0.0000 | 83.368 | 0.58307 | 0.00000 | 602892.1 | 337502.2 | 0.0 | S |
| 48.133 | 0.0000 | 0.0000 | 83.368 | 0.58297 | 0.00000 | 602892.1 | 337519.7 | 0.0 | S |
| 48.142 | 0.0000 | 0.0000 | 83.368 | 0.58286 | 0.00000 | 602892.1 | 337537.2 | 0.0 | S |
| 48.150 | 0.0000 | 0.0000 | 83.368 | 0.58275 | 0.00000 | 602892.1 | 337554.7 | 0.0 | S |
| 48.158 | 0.0000 | 0.0000 | 83.367 | 0.58265 | 0.00000 | 602892.1 | 337572.1 | 0.0 | S |
| 48.167 | 0.0000 | 0.0000 | 83.367 | 0.58254 | 0.00000 | 602892.1 | 337589.6 | 0.0 | S |
| 48.175 | 0.0000 | 0.0000 | 83.367 | 0.58243 | 0.00000 | 602892.1 | 337607.1 | 0.0 | S |
| 48.183 | 0.0000 | 0.0000 | 83.366 | 0.58232 | 0.00000 | 602892.1 | 337624.5 | 0.0 | S |
| 48.192 | 0.0000 | 0.0000 | 83.366 | 0.58222 | 0.00000 | 602892.1 | 337642.0 | 0.0 | S |
| 48.200 | 0.0000 | 0.0000 | 83.366 | 0.58211 | 0.00000 | 602892.1 | 337659.5 | 0.0 | S |
| 48.208 | 0.0000 | 0.0000 | 83.366 | 0.58200 | 0.00000 | 602892.1 | 337676.9 | 0.0 | S |
| 48.217 | 0.0000 | 0.0000 | 83.365 | 0.58190 | 0.00000 | 602892.1 | 337694.4 | 0.0 | S |
| 48.225 | 0.0000 | 0.0000 | 83.365 | 0.58179 | 0.00000 | 602892.1 | 337711.8 | 0.0 | S |
| 48.233 | 0.0000 | 0.0000 | 83.365 | 0.58168 | 0.00000 | 602892.1 | 337729.3 | 0.0 | S |
| 48.242 | 0.0000 | 0.0000 | 83.365 | 0.58157 | 0.00000 | 602892.1 | 337746.8 | 0.0 | S |
| 48.250 | 0.0000 | 0.0000 | 83.364 | 0.58147 | 0.00000 | 602892.1 | 337764.2 | 0.0 | S |
| 48.258 | 0.0000 | 0.0000 | 83.364 | 0.58136 | 0.00000 | 602892.1 | 337781.7 | 0.0 | S |
| 48.267 | 0.0000 | 0.0000 | 83.364 | 0.58125 | 0.00000 | 602892.1 | 337799.1 | 0.0 | S |
| 48.275 | 0.0000 | 0.0000 | 83.364 | 0.58115 | 0.00000 | 602892.1 | 337816.5 | 0.0 | S |
| 48.283 | 0.0000 | 0.0000 | 83.363 | 0.58104 | 0.00000 | 602892.1 | 337833.9 | 0.0 | S |
| 48.292 | 0.0000 | 0.0000 | 83.363 | 0.58093 | 0.00000 | 602892.1 | 337851.4 | 0.0 | S |
| 48.300 | 0.0000 | 0.0000 | 83.363 | 0.58083 | 0.00000 | 602892.1 | 337868.8 | 0.0 | S |
| 48.308 | 0.0000 | 0.0000 | 83.363 | 0.58072 | 0.00000 | 602892.1 | 337886.2 | 0.0 | S |
| 48.317 | 0.0000 | 0.0000 | 83.362 | 0.58061 | 0.00000 | 602892.1 | 337903.7 | 0.0 | S |
| 48.325 | 0.0000 | 0.0000 | 83.362 | 0.58051 | 0.00000 | 602892.1 | 337921.1 | 0.0 | S |
| 48.333 | 0.0000 | 0.0000 | 83.362 | 0.58040 | 0.00000 | 602892.1 | 337938.5 | 0.0 | S |
| 48.342 | 0.0000 | 0.0000 | 83.361 | 0.58030 | 0.00000 | 602892.1 | 337955.9 | 0.0 | S |
| 48.350 | 0.0000 | 0.0000 | 83.361 | 0.58019 | 0.00000 | 602892.1 | 337973.3 | 0.0 | S |
| 48.358 | 0.0000 | 0.0000 | 83.361 | 0.58008 | 0.00000 | 602892.1 | 337990.7 | 0.0 | S |
| 48.367 | 0.0000 | 0.0000 | 83.361 | 0.57998 | 0.00000 | 602892.1 | 338008.1 | 0.0 | S |
| 48.375 | 0.0000 | 0.0000 | 83.360 | 0.57987 | 0.00000 | 602892.1 | 338025.5 | 0.0 | S |
| 48.383 | 0.0000 | 0.0000 | 83.360 | 0.57976 | 0.00000 | 602892.1 | 338042.9 | 0.0 | S |
| 48.392 | 0.0000 | 0.0000 | 83.360 | 0.57966 | 0.00000 | 602892.1 | 338060.3 | 0.0 | S |
| 48.400 | 0.0000 | 0.0000 | 83.360 | 0.57955 | 0.00000 | 602892.1 | 338077.7 | 0.0 | S |
| 48.408 | 0.0000 | 0.0000 | 83.359 | 0.57945 | 0.00000 | 602892.1 | 338095.1 | 0.0 | S |
| 48.417 | 0.0000 | 0.0000 | 83.359 | 0.57934 | 0.00000 | 602892.1 | 338112.4 | 0.0 | S |
| 48.425 | 0.0000 | 0.0000 | 83.359 | 0.57923 | 0.00000 | 602892.1 | 338129.8 | 0.0 | S |
| 48.433 | 0.0000 | 0.0000 | 83.359 | 0.57913 | 0.00000 | 602892.1 | 338147.2 | 0.0 | S |
| 48.442 | 0.0000 | 0.0000 | 83.358 | 0.57902 | 0.00000 | 602892.1 | 338164.6 | 0.0 | S |
| 48.450 | 0.0000 | 0.0000 | 83.358 | 0.57892 | 0.00000 | 602892.1 | 338181.9 | 0.0 | S |
| 48.458 | 0.0000 | 0.0000 | 83.358 | 0.57881 | 0.00000 | 602892.1 | 338199.3 | 0.0 | S |
| 48.467 | 0.0000 | 0.0000 | 83.357 | 0.57871 | 0.00000 | 602892.1 | 338216.7 | 0.0 | S |
| 48.475 | 0.0000 | 0.0000 | 83.357 | 0.57860 | 0.00000 | 602892.1 | 338234.0 | 0.0 | S |
| 48.483 | 0.0000 | 0.0000 | 83.357 | 0.57849 | 0.00000 | 602892.1 | 338251.4 | 0.0 | S |
| 48.492 | 0.0000 | 0.0000 | 83.357 | 0.57839 | 0.00000 | 602892.1 | 338268.8 | 0.0 | S |
| 48.500 | 0.0000 | 0.0000 | 83.356 | 0.57828 | 0.00000 | 602892.1 | 338286.1 | 0.0 | S |
| 48.508 | 0.0000 | 0.0000 | 83.356 | 0.57818 | 0.00000 | 602892.1 | 338303.4 | 0.0 | S |
| 48.517 | 0.0000 | 0.0000 | 83.356 | 0.57807 | 0.00000 | 602892.1 | 338320.8 | 0.0 | S |
| 48.525 | 0.0000 | 0.0000 | 83.356 | 0.57797 | 0.00000 | 602892.1 | 338338.1 | 0.0 | S |
| 48.533 | 0.0000 | 0.0000 | 83.355 | 0.57786 | 0.00000 | 602892.1 | 338355.5 | 0.0 | S |
| 48.542 | 0.0000 | 0.0000 | 83.355 | 0.57776 | 0.00000 | 602892.1 | 338372.8 | 0.0 | S |
| 48.550 | 0.0000 | 0.0000 | 83.355 | 0.57765 | 0.00000 | 602892.1 | 338390.1 | 0.0 | S |
| 48.558 | 0.0000 | 0.0000 | 83.355 | 0.57755 | 0.00000 | 602892.1 | 338407.4 | 0.0 | S |
| 48.567 | 0.0000 | 0.0000 | 83.354 | 0.57744 | 0.00000 | 602892.1 | 338424.8 | 0.0 | S |
| 48.575 | 0.0000 | 0.0000 | 83.354 | 0.57734 | 0.00000 | 602892.1 | 338442.1 | 0.0 | S |
| 48.583 | 0.0000 | 0.0000 | 83.354 | 0.57723 | 0.00000 | 602892.1 | 338459.4 | 0.0 | S |
| 48.592 | 0.0000 | 0.0000 | 83.354 | 0.57712 | 0.00000 | 602892.1 | 338476.7 | 0.0 | S |
| 48.600 | 0.0000 | 0.0000 | 83.353 | 0.57702 | 0.00000 | 602892.1 | 338494.0 | 0.0 | S |
| 48.608 | 0.0000 | 0.0000 | 83.353 | 0.57691 | 0.00000 | 602892.1 | 338511.3 | 0.0 | S |
| 48.617 | 0.0000 | 0.0000 | 83.353 | 0.57681 | 0.00000 | 602892.1 | 338528.7 | 0.0 | S |
| 48.625 | 0.0000 | 0.0000 | 83.352 | 0.57671 | 0.00000 | 602892.1 | 338546.0 | 0.0 | S |
| 48.633 | 0.0000 | 0.0000 | 83.352 | 0.57660 | 0.00000 | 602892.1 | 338563.3 | 0.0 | S |
| 48.642 | 0.0000 | 0.0000 | 83.352 | 0.57650 | 0.00000 | 602892.1 | 338580.6 | 0.0 | S |
| 48.650 | 0.0000 | 0.0000 | 83.352 | 0.57639 | 0.00000 | 602892.1 | 338597.8 | 0.0 | S |
| 48.658 | 0.0000 | 0.0000 | 83.351 | 0.57629 | 0.00000 | 602892.1 | 338615.1 | 0.0 | S |
| 48.667 | 0.0000 | 0.0000 | 83.351 | 0.57618 | 0.00000 | 602892.1 | 338632.4 | 0.0 | S |
| 48.675 | 0.0000 | 0.0000 | 83.351 | 0.57608 | 0.00000 | 602892.1 | 338649.7 | 0.0 | S |
| 48.683 | 0.0000 | 0.0000 | 83.351 | 0.57597 | 0.00000 | 602892.1 | 338667.0 | 0.0 | S |
| 48.692 | 0.0000 | 0.0000 | 83.350 | 0.57587 | 0.00000 | 602892.1 | 338684.3 | 0.0 | S |
| 48.700 | 0.0000 | 0.0000 | 83.350 | 0.57576 | 0.00000 | 602892.1 | 338701.5 | 0.0 | S |
| 48.708 | 0.0000 | 0.0000 | 83.350 | 0.57566 | 0.00000 | 602892.1 | 338718.8 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (tt/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{1} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 48.717 | 0.0000 | 0.0000 | 83.350 | 0.57555 | 0.00000 | 602892.1 | 338736.1 | 0.0 | S |
| 48.725 | 0.0000 | 0.0000 | 83.349 | 0.57545 | 0.00000 | 602892.1 | 338753.3 | 0.0 | S |
| 48.733 | 0.0000 | 0.0000 | 83.349 | 0.57535 | 0.00000 | 602892.1 | 338770.6 | 0.0 | S |
| 48.742 | 0.0000 | 0.0000 | 83.349 | 0.57524 | 0.00000 | 602892.1 | 338787.9 | 0.0 | S |
| 48.750 | 0.0000 | 0.0000 | 83.349 | 0.57514 | 0.00000 | 602892.1 | 338805.1 | 0.0 | S |
| 48.758 | 0.0000 | 0.0000 | 83.348 | 0.57503 | 0.00000 | 602892.1 | 338822.4 | 0.0 | S |
| 48.767 | 0.0000 | 0.0000 | 83.348 | 0.57493 | 0.00000 | 602892.1 | 338839.6 | 0.0 | S |
| 48.775 | 0.0000 | 0.0000 | 83.348 | 0.57482 | 0.00000 | 602892.1 | 338856.9 | 0.0 | S |
| 48.783 | 0.0000 | 0.0000 | 83.347 | 0.57472 | 0.00000 | 602892.1 | 338874.1 | 0.0 | S |
| 48.782 | 0.0000 | 0.0000 | 83.347 | 0.57462 | 0.00000 | 602892.1 | 338891.3 | 0.0 | S |
| 48.800 | 0.0000 | 0.0000 | 83.347 | 0.57451 | 0.00000 | 602892.1 | 338908.6 | 0.0 | S |
| 48.808 | 0.0000 | 0.0000 | 83.347 | 0.57441 | 0.00000 | 602892.1 | 338925.8 | 0.0 | S |
| 48.817 | 0.0000 | 0.0000 | 83.346 | 0.57430 | 0.00000 | 602892.1 | 338943.1 | 0.0 | S |
| 48.825 | 0.0000 | 0.0000 | 83.346 | 0.57420 | 0.00000 | 602892.1 | 338960.3 | 0.0 | S |
| 48.833 | 0.0000 | 0.0000 | 83.346 | 0.57410 | 0.00000 | 602892.1 | 338977.5 | 0.0 | S |
| 48.842 | 0.0000 | 0.0000 | 83.346 | 0.57399 | 0.00000 | 602892.1 | 338994.7 | 0.0 | S |
| 48.850 | 0.0000 | 0.0000 | 83.345 | 0.57389 | 0.00000 | 602892.1 | 339011.9 | 0.0 | S |
| 48.858 | 0.0000 | 0.0000 | 83.345 | 0.57379 | 0.00000 | 602892.1 | 339029.2 | 0.0 | S |
| 48.867 | 0.0000 | 0.0000 | 83.345 | 0.57368 | 0.00000 | 602892.1 | 339046.4 | 0.0 | S |
| 48.875 | 0.0000 | 0.0000 | 83.345 | 0.57358 | 0.00000 | 602892.1 | 339063.6 | 0.0 | S |
| 48.883 | 0.0000 | 0.0000 | 83.344 | 0.57347 | 0.00000 | 602892.1 | 339080.8 | 0.0 | S |
| 48.892 | 0.0000 | 0.0000 | 83.344 | 0.57337 | 0.00000 | 602892.1 | 339098.0 | 0.0 | S |
| 48.900 | 0.0000 | 0.0000 | 83.344 | 0.57327 | 0.00000 | 602882.1 | 339115.2 | 0.0 | S |
| 48.908 | 0.0000 | 0.0000 | 83.344 | 0.57316 | 0.00000 | 602892.1 | 339132.4 | 0.0 | S |
| 48.917 | 0.0000 | 0.0000 | 83.343 | 0.57306 | 0.00000 | 602892.1 | 339149.6 | 0.0 | S |
| 48.925 | 0.0000 | 0.0000 | 83.343 | 0.57296 | 0.00000 | 602892.1 | 339166.8 | 0.0 | S |
| 48.933 | 0.0000 | 0.0000 | 83.343 | 0.57285 | 0.00000 | 602892.1 | 339184.0 | 0.0 | S |
| 48.942 | 0.0000 | 0.0000 | 83.343 | 0.57275 | 0.00000 | 602892.1 | 339201.2 | 0.0 | S |
| 48.950 | 0.0000 | 0.0000 | 83.342 | 0.57265 | 0.00000 | 602892.1 | 339218.3 | 0.0 | S |
| 48.958 | 0.0000 | 0.0000 | 83.342 | 0.57254 | 0.00000 | 602892.1 | 339235.5 | 0.0 | S |
| 48.967 | 0.0000 | 0.0000 | 83.342 | 0.57244 | 0.00000 | 602892.1 | 339252.7 | 0.0 | S |
| 48.975 | 0.0000 | 0.0000 | 83.341 | 0.57234 | 0.00000 | 602892.1 | 339269.8 | 0.0 | S |
| 48.983 | 0.0000 | 0.0000 | 83.341 | 0.57223 | 0.00000 | 602892.1 | 339287.0 | 0.0 | S |
| 48.992 | 0.0000 | 0.0000 | 83.341 | 0.57213 | 0.00000 | 602892.1 | 339304.2 | 0.0 | S |
| 49.000 | 0.0000 | 0.0000 | 83.341 | 0.57203 | 0.00000 | 602892.1 | 339321.3 | 0.0 | S |
| 49.008 | 0.0000 | 0.0000 | 83.340 | 0.57193 | 0.00000 | 602892.1 | 339338.5 | 0.0 | S |
| 49.017 | 0.0000 | 0.0000 | 83.340 | 0.57182 | 0.00000 | 602892.1 | 339355.7 | 0.0 | S |
| 49.025 | 0.0000 | 0.0000 | 83.340 | 0.57172 | 0.00000 | 602892.1 | 339372.8 | 0.0 | S |
| 49.033 | 0.0000 | 0.0000 | 83.340 | 0.57162 | 0.00000 | 602892.1 | 339390.0 | 0.0 | S |
| 49.042 | 0.0000 | 0.0000 | 83.339 | 0.57151 | 0.00000 | 602892.1 | 339407.1 | 0.0 | S |
| 49.050 | 0.0000 | 0.0000 | 83.339 | 0.57141 | 0.00000 | 602892.1 | 339424.3 | 0.0 | S |
| 49.058 | 0.0000 | 0.0000 | 83.339 | 0.57131 | 0.00000 | 602892.1 | 339441.4 | 0.0 | S |
| 49.067 | 0.0000 | 0.0000 | 83.339 | 0.57121 | 0.00000 | 602892.1 | 339458.5 | 0.0 | S |
| 49.075 | 0.0000 | 0.0000 | 83.338 | 0.57110 | 0.00000 | 602892.1 | 339475.7 | 0.0 | S |
| 49.083 | 0.0000 | 0.0000 | 83.338 | 0.57100 | 0.00000 | 602892.1 | 339492.8 | 0.0 | S |
| 49.092 | 0.0000 | 0.0000 | 83.338 | 0.57090 | 0.00000 | 602892.1 | 339509.9 | 0.0 | S |
| 49.100 | 0.0000 | 0.0000 | 83.338 | 0.57080 | 0.00000 | 602892.1 | 339527.1 | 0.0 | S |
| 49.108 | 0.0000 | 0.0000 | 83.337 | 0.57069 | 0.00000 | 602892.1 | 339544.2 | 0.0 | S |
| 49.117 | 0.0000 | 0.0000 | 83.337 | 0.57059 | 0.00000 | 602892.1 | 339561.3 | 0.0 | S |
| 49.125 | 0.0000 | 0.0000 | 83.337 | 0.57049 | 0.00000 | 602892.1 | 339578.4 | 0.0 | S |
| 49.133 | 0.0000 | 0.0000 | 83.337 | 0.57039 | 0.00000 | 602892.1 | 339595.5 | 0.0 | S |
| 49.142 | 0.0000 | 0.0000 | 83.336 | 0.57028 | 0.00000 | 602892.1 | 339612.6 | 0.0 | S |
| 49.150 | 0.0000 | 0.0000 | 83.336 | 0.57018 | 0.00000 | 602892.1 | 339629.8 | 0.0 | S |
| 49.158 | 0.0000 | 0.0000 | 83.336 | 0.57008 | 0.00000 | 602892.1 | 339646.8 | 0.0 | S |
| 49.167 | 0.0000 | 0.0000 | 83.335 | 0.56998 | 0.00000 | 602892.1 | 339663.9 | 0.0 | S |
| 49.175 | 0.0000 | 0.0000 | 83.335 | 0.56988 | 0.00000 | 602892.1 | 339681.0 | 0.0 | S |
| 49.183 | 0.0000 | 0.0000 | 83.335 | 0.56977 | 0.00000 | 602892.1 | 339698.1 | 0.0 | S |
| 49.192 | 0.0000 | 0.0000 | 83.335 | 0.56967 | 0.00000 | 602892.1 | 339715.2 | 0.0 | S |
| 49.200 | 0.0000 | 0.0000 | 83.334 | 0.56957 | 0.00000 | 602892.1 | 339732.3 | 0.0 | S |
| 49.208 | 0.0000 | 0.0000 | 83.334 | 0.56947 | 0.00000 | 602892.1 | 339749.4 | 0.0 | S |
| 49.217 | 0.0000 | 0.0000 | 83.334 | 0.56937 | 0.00000 | 602892.1 | 339766.5 | 0.0 | S |
| 49.225 | 0.0000 | 0.0000 | 83.334 | 0.56926 | 0.00000 | 602892.1 | 339783.6 | 0.0 | S |
| 49.233 | 0.0000 | 0.0000 | 83.333 | 0.56916 | 0.00000 | 602892.1 | 339800.7 | 0.0 | S |
| 49.242 | 0.0000 | 0.0000 | 83.333 | 0.56906 | 0.00000 | 602892.1 | 339817.7 | 0.0 | S |
| 49.250 | 0.0000 | 0.0000 | 83.333 | 0.56896 | 0.00000 | 602892.1 | 339834.8 | 0.0 | S |
| 49.258 | 0.0000 | 0.0000 | 83.333 | 0.56886 | 0.00000 | 602892.1 | 339851.8 | 0.0 | S |
| 49.267 | 0.0000 | 0.0000 | 83.332 | 0.56875 | 0.00000 | 602892.1 | 339868.9 | 0.0 | S |
| 49.275 | 0.0000 | 0.0000 | 83.332 | 0.56865 | 0.00000 | 602892.1 | 339886.0 | 0.0 | S |
| 49.283 | 0.0000 | 0.0000 | 83.332 | 0.56855 | 0.00000 | 602892.1 | 339903.0 | 0.0 | S |
| 49.292 | 0.0000 | 0.0000 | 83.332 | 0.56845 | 0.00000 | 602892.1 | 339920.1 | 0.0 | S |
| 49.300 | 0.0000 | 0.0000 | 83.331 | 0.56835 | 0.00000 | 602892.1 | 339937.2 | 0.0 | S |
| 49.308 | 0.0000 | 0.0000 | 83.331 | 0.56825 | 0.00000 | 602892.1 | 339954.2 | 0.0 | S |
| 49.317 | 0.0000 | 0.0000 | 83.331 | 0.56814 | 0.00000 | 602892.1 | 339971.3 | 0.0 | S |
| 49.325 | 0.0000 | 0.0000 | 83.331 | 0.56804 | 0.00000 | 602892.1 | 339988.3 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate (fis/s) | Outside Recharge (ft/day) | Stage Elevation (fl datum) | infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume (fis) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 49.333 | 0.0000 | 0.0000 | 83.330 | 0.56794 | 0.00000 | 602892.1 | 340005.3 | 0.0 | S |
| 49.342 | 0.0000 | 0.0000 | 83.330 | 0.56784 | 0.00000 | 602892.1 | 340022.3 | 0.0 | S |
| 49.350 | 0.0000 | 0.0000 | 83.330 | 0.56774 | 0.00000 | 602892.1 | 340039.4 | 0.0 | S |
| 49.358 | 0.0000 | 0.0000 | 83.329 | 0.56764 | 0.00000 | 602892.1 | 340056.4 | 0.0 | S |
| 49.367 | 0.0000 | 0.0000 | 83.329 | 0.56754 | 0.00000 | 602892.1 | 340073.4 | 0.0 | S |
| 49.375 | 0.0000 | 0.0000 | 83.329 | 0.56744 | 0.00000 | 602892.1 | 340090.5 | 0.0 | S |
| 49.383 | 0.0000 | 0.0000 | 83.329 | 0.56733 | 0.00000 | 602892.1 | 340107.5 | 0.0 | S |
| 49.392 | 0.0000 | 0.0000 | 83.328 | 0.56723 | 0.00000 | 602892.1 | 340124.5 | 0.0 | S |
| 49.400 | 0.0000 | 0.0000 | 83.328 | 0.56713 | 0.00000 | 602892.1 | 340141.5 | 0.0 | S |
| 49.408 | 0.0000 | 0.0000 | 83.328 | 0.56703 | 0.00000 | 602892.1 | 340158.5 | 0.0 | S |
| 49.417 | 0.0000 | 0.0000 | 83.328 | 0.56693 | 0.00000 | 602892.1 | 340175.6 | 0.0 | S |
| 49.425 | 0.0000 | 0.0000 | 83.327 | 0.56683 | 0.00000 | 602892.1 | 340192.6 | 0.0 | S |
| 49.433 | 0.0000 | 0.0000 | 83.327 | 0.56673 | 0.00000 | 602892.1 | 340209.6 | 0.0 | S |
| 49.442 | 0.0000 | 0.0000 | 83.327 | 0.56663 | 0.00000 | 602892.1 | 340226.6 | 0.0 | S |
| 49.450 | 0.0000 | 0.0000 | 83.327 | 0.56653 | 0.00000 | 602892.1 | 340243.6 | 0.0 | S |
| 49.458 | 0.0000 | 0.0000 | 83.326 | 0.56643 | 0.00000 | 602892.1 | 340260.6 | 0.0 | S |
| 49.467 | 0.0000 | 0.0000 | 83.326 | 0.56633 | 0.00000 | 602892.1 | 340277.5 | 0.0 | S |
| 49.475 | 0.0000 | 0.0000 | 83.326 | 0.56622 | 0.00000 | 602892.1 | 340294.5 | 0.0 | S |
| 49.483 | 0.0000 | 0.0000 | 83.326 | 0.56612 | 0.00000 | 602892.1 | 340311.5 | 0.0 | S |
| 49.492 | 0.0000 | 0.0000 | 83.325 | 0.56602 | 0.00000 | 602892.1 | 340328.5 | 0.0 | S |
| 49.500 | 0.0000 | 0.0000 | 83.325 | 0.56592 | 0.00000 | 602892.1 | 340345.5 | 0.0 | S |
| 49.508 | 0.0000 | 0.0000 | 83.325 | 0.56582 | 0.00000 | 602892.1 | 340362.5 | 0.0 | S |
| 49.517 | 0.0000 | 0.0000 | 83.325 | 0.56572 | 0.00000 | 602892.1 | 340379.4 | 0.0 | S |
| 49.525 | 0.0000 | 0.0000 | 83.324 | 0.56562 | 0.00000 | 602892.1 | 340396.4 | 0.0 | S |
| 49.533 | 0.0000 | 0.0000 | 83.324 | 0.56552 | 0.00000 | 602892.1 | 340413.4 | 0.0 | S |
| 49.542 | 0.0000 | 0.0000 | 83.324 | 0.56542 | 0.00000 | 602892.1 | 340430.3 | 0.0 | S |
| 49.550 | 0.0000 | 0.0000 | 83.324 | 0.56532 | 0.00000 | 602892.1 | 340447.3 | 0.0 | S |
| 49.558 | 0.0000 | 0.0000 | 83.323 | 0.56522 | 0.00000 | 602892.1 | 340464.3 | 0.0 | S |
| 49.567 | 0.0000 | 0.0000 | 83.323 | 0.56512 | 0.00000 | 602892.1 | 340481.2 | 0.0 | S |
| 49.575 | 0.0000 | 0.0000 | 83.323 | 0.56502 | 0.00000 | 602892.1 | 340498.2 | 0.0 | S |
| 49.583 | 0.0000 | 0.0000 | 83.322 | 0.56492 | 0.00000 | 602892.1 | 340515.1 | 0.0 | S |
| 49.592 | 0.0000 | 0.0000 | 83.322 | 0.56482 | 0.00000 | 602892.1 | 340532.1 | 0.0 | S |
| 49.600 | 0.0000 | 0.0000 | 83.322 | 0.56472 | 0.00000 | 602892.1 | 340549.0 | 0.0 | S |
| 49.608 | 0.0000 | 0.0000 | 83.322 | 0.56462 | 0.00000 | 602892.1 | 340565.9 | 0.0 | S |
| 49.617 | 0.0000 | 0.0000 | 83.321 | 0.56452 | 0.00000 | 602892.1 | 340582.9 | 0.0 | S |
| 49.625 | 0.0000 | 0.0000 | 83.321 | 0.56442 | 0.00000 | 602892.1 | 340599.8 | 0.0 | S |
| 49.633 | 0.0000 | 0.0000 | 83.321 | 0.56432 | 0.00000 | 602892.1 | 340616.8 | 0.0 | S |
| 49.642 | 0.0000 | 0.0000 | 83.321 | 0.56422 | 0.00000 | 602892.1 | 340633.7 | 0.0 | S |
| 49.650 | 0.0000 | 0.0000 | 83.320 | 0.56412 | 0.00000 | 602892.1 | 340650.6 | 0.0 | S |
| 49.658 | 0.0000 | 0.0000 | 83.320 | 0.56402 | 0.00000 | 602892.1 | 340667.5 | 0.0 | S |
| 49.667 | 0.0000 | 0.0000 | 83.320 | 0.56392 | 0.00000 | 602892.1 | 340684.4 | 0.0 | S |
| 49.675 | 0.0000 | 0.0000 | 83.320 | 0.56382 | 0.00000 | 602892.1 | 340701.3 | 0.0 | S |
| 49.683 | 0.0000 | 0.0000 | 83.319 | 0.56372 | 0.00000 | 602892.1 | 340718.3 | 0.0 | S |
| 49.692 | 0.0000 | 0.0000 | 83.319 | 0.56362 | 0.00000 | 602892.1 | 340735.2 | 0.0 | S |
| 49.700 | 0.0000 | 0.0000 | 83.319 | 0.56352 | 0.00000 | 602892.1 | 340752.1 | 0.0 | S |
| 49.708 | 0.0000 | 0.0000 | 83.319 | 0.56342 | 0.00000 | 602892.1 | 340769.0 | 0.0 | S |
| 49.717 | 0.0000 | 0.0000 | 83.318 | 0.56332 | 0.00000 | 602892.1 | 340785.9 | 0.0 | S |
| 49.725 | 0.0000 | 0.0000 | 83.318 | 0.56322 | 0.00000 | 602892.1 | 340802.8 | 0.0 | S |
| 49.733 | 0.0000 | 0.0000 | 83.318 | 0.56312 | 0.00000 | 602892.1 | 340819.7 | 0.0 | S |
| 49.742 | 0.0000 | 0.0000 | 83.318 | 0.56302 | 0.00000 | 602892.1 | 340836.6 | 0.0 | S |
| 49.750 | 0.0000 | 0.0000 | 83.317 | 0.56292 | 0.00000 | 602892.1 | 340853.5 | 0.0 | S |
| 49.758 | 0.0000 | 0.0000 | 83.317 | 0.56282 | 0.00000 | 602892.1 | 340870.3 | 0.0 | S |
| 49.767 | 0.0000 | 0.0000 | 83.317 | 0.56273 | 0.00000 | 602892.1 | 340887.2 | 0.0 | S |
| 49.775 | 0.0000 | 0.0000 | 83.317 | 0.56263 | 0.00000 | 602892.1 | 340904.1 | 0.0 | S |
| 49.783 | 0.0000 | 0.0000 | 83.316 | 0.56253 | 0.00000 | 602892.1 | 340921.0 | 0.0 | S |
| 49.792 | 0.0000 | 0.0000 | 83.316 | 0.56243 | 0.00000 | 602892.1 | 340937.8 | 0.0 | S |
| 49.800 | 0.0000 | 0.0000 | 83.316 | 0.56233 | 0.00000 | 602892.1 | 340954.7 | 0.0 | S |
| 49.808 | 0.0000 | 0.0000 | 83.316 | 0.56223 | 0.00000 | 602892. ${ }^{1}$ | 340971.6 | 0.0 | S |
| 49.817 | 0.0000 | 0.0000 | 83.315 | 0.56213 | 0.00000 | 602892.1 | 340988.5 | 0.0 | S |
| 49.825 | 0.0000 | 0.0000 | 83.315 | 0.56203 | 0.00000 | 602892.1 | 341005.3 | 0.0 | S |
| 49.833 | 0.0000 | 0.0000 | 83.315 | 0.56193 | 0.00000 | 602892.1 | 341022.2 | 0.0 | S |
| 49.842 | 0.0000 | 0.0000 | 83.315 | 0.56183 | 0.00000 | 602892.1 | 341039.0 | 0.0 | S |
| 49.850 | 0.0000 | 0.0000 | 83.314 | 0.56173 | 0.00000 | 602892.1 | 341055.9 | 0.0 | S |
| 49.858 | 0.0000 | 0.0000 | 83.314 | 0.56164 | 0.00000 | 602892.1 | 341072.8 | 0.0 | S |
| 49.867 | 0.0000 | 0.0000 | 83.314 | 0.56154 | 0.00000 | 602892.1 | 341089.6 | 0.0 | S |
| 49.875 | 0.0000 | 0.0000 | 83.313 | 0.56144 | 0.00000 | 602892.1 | 341106.4 | 0.0 | S |
| 49.883 | 0.0000 | 0.0000 | 83.313 | 0.56134 | 0.00000 | 602892.1 | 341123.3 | 0.0 | S |
| 49.892 | 0.0000 | 0.0000 | 83.313 | 0.56124 | 0.00000 | 602892.1 | 341140.1 | 0.0 | S |
| 49.900 | 0.0000 | 0.0000 | 83.313 | 0.56114 | 0.00000 | 602892.1 | 341157.0 | 0.0 | S |
| 49.908 | 0.0000 | 0.0000 | 83.312 | 0.56104 | 0.00000 | 602892.1 | 341173.8 | 0.0 | S |
| 49.917 | 0.0000 | 0.0000 | 83.312 | 0.56094 | 0.00000 | 602892.1 | 341190.6 | 0.0 | S |
| 49.925 | 0.0000 | 0.0000 | 83.312 | 0.56085 | 0.00000 | 602892.1 | 341207.4 | 0.0 | S |
| 49.933 | 0.0000 | 0.0000 | 83.312 | 0.56075 | 0.00000 | 602892.1 | 341224.3 | 0.0 | S |
| 49.942 | 0.0000 | 0.0000 | 83.311 | 0.56065 | 0.00000 | 602892.1 | 341241.1 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year $/ 24$ hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infittration Volume (ft ${ }^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 49.950 | 0.0000 | 0.0000 | 83.311 | 0.56055 | 0.00000 | 602892.1 | 341257.9 | 0.0 | S |
| 49.958 | 0.0000 | 0.0000 | 83.311 | 0.56045 | 0.00000 | 602892.1 | 341274.7 | 0.0 | S |
| 49.967 | 0.0000 | 0.0000 | 83.311 | 0.56035 | 0.00000 | 602892.1 | 341291.5 | 0.0 | S |
| 49.975 | 0.0000 | 0.0000 | 83.310 | 0.56025 | 0.00000 | 602892.1 | 341308.3 | 0.0 | S |
| 49.983 | 0.0000 | 0.0000 | 83.310 | 0.56016 | 0.00000 | 602892.1 | 341325.2 | 0.0 | S |
| 49.992 | 0.0000 | 0.0000 | 83.310 | 0.56006 | 0.00000 | 602892.1 | 341341.9 | 0.0 | S |
| 50.000 | 0.0000 | 0.0000 | 83.310 | 0.55996 | 0.00000 | 602892.1 | 341358.8 | 0.0 | S |
| 50.008 | 0.0000 | 0.0000 | 83.309 | 0.55986 | 0.00000 | 602892.1 | 341375.6 | 0.0 | S |
| 50.017 | 0.0000 | 0.0000 | 83.309 | 0.55976 | 0.00000 | 602892.1 | 341392.3 | 0.0 | S |
| 50.025 | 0.0000 | 0.0000 | 83.309 | 0.55967 | 0.00000 | 602892.1 | 341409.1 | 0.0 | S |
| 50.033 | 0.0000 | 0.0000 | 83.309 | 0.55957 | 0.00000 | 602892.1 | 341425.9 | 0.0 | S |
| 50.042 | 0.0000 | 0.0000 | 83.308 | 0.55947 | 0.00000 | 602892.1 | 341442.7 | 0.0 | S |
| 50.050 | 0.0000 | 0.0000 | 83.308 | 0.55937 | 0.00000 | 602892.1 | 341459.5 | 0.0 | S |
| 50.058 | 0.0000 | 0.0000 | 83.308 | 0.55927 | 0.00000 | 602892.1 | 341476.3 | 0.0 | S |
| 50.067 | 0.0000 | 0.0000 | 83.308 | 0.55918 | 0.00000 | 602892.1 | 341493.1 | 0.0 | S |
| 50.075 | 0.0000 | 0.0000 | 83.307 | 0.55908 | 0.00000 | 602892.1 | 341509.8 | 0.0 | S |
| 50.083 | 0.0000 | 0.0000 | 83.307 | 0.55898 | 0.00000 | 602892.1 | 341526.6 | 0.0 | S |
| 50.092 | 0.0000 | 0.0000 | 83.307 | 0.55888 | 0.00000 | 602892.1 | 341543.4 | 0.0 | S |
| 50.100 | 0.0000 | 0.0000 | 83.307 | 0.55878 | 0.00000 | 602892.1 | 341560.1 | 0.0 | S |
| 50.108 | 0.0000 | 0.0000 | 83.306 | 0.55869 | 0.00000 | 602892.1 | 341576.9 | 0.0 | S |
| 50.117 | 0.0000 | 0.0000 | 83.306 | 0.55859 | 0.00000 | 602892.1 | 341593.7 | 0.0 | S |
| 50.125 | 0.0000 | 0.0000 | 83.306 | 0.55849 | 0.00000 | 602892.1 | 341610.4 | 0.0 | S |
| 50.133 | 0.0000 | 0.0000 | 83.306 | 0.55839 | 0.00000 | 602892.1 | 341627.2 | 0.0 | S |
| 50.142 | 0.0000 | 0.0000 | 83.305 | 0.55830 | 0.00000 | 602892.1 | 341643.9 | 0.0 | S |
| 50.150 | 0.0000 | 0.0000 | 83.305 | 0.55820 | 0.00000 | 602892.1 | 341660.7 | 0.0 | S |
| 50.158 | 0.0000 | 0.0000 | 83.305 | 0.55810 | 0.00000 | 602892.1 | 341677.4 | 0.0 | S |
| 50.167 | 0.0000 | 0.0000 | 83.305 | 0.55800 | 0.00000 | 602892.1 | 341694.1 | 0.0 | S |
| 50.175 | 0.0000 | 0.0000 | 83.304 | 0.55791 | 0.00000 | 602892.1 | 341710.9 | 0.0 | S |
| 50.183 | 0.0000 | 0.0000 | 83.304 | 0.55781 | 0.00000 | 602892.1 | 341727.6 | 0.0 | S |
| 50.192 | 0.0000 | 0.0000 | 83.304 | 0.55771 | 0.00000 | 602892.1 | 341744.3 | 0.0 | S |
| 50.200 | 0.0000 | 0.0000 | 83.303 | 0.55761 | 0.00000 | 602892.1 | 341761.1 | 0.0 | S |
| 50.208 | 0.0000 | 0.0000 | 83.303 | 0.55752 | 0.00000 | 602892.1 | 341777.8 | 0.0 | S |
| 50.217 | 0.0000 | 0.0000 | 83.303 | 0.55742 | 0.00000 | 602892.1 | 341794.5 | 0.0 | S |
| 50.225 | 0.0000 | 0.0000 | 83.303 | 0.55732 | 0.00000 | 602892.1 | 341811.3 | 0.0 | S |
| 50.233 | 0.0000 | 0.0000 | 83.302 | 0.55722 | 0.00000 | 602892.1 | 341828.0 | 0.0 | S |
| 50.242 | 0.0000 | 0.0000 | 83.302 | 0.55713 | 0.00000 | 602892.1 | 341844.7 | 0.0 | S |
| 50.250 | 0.0000 | 0.0000 | 83.302 | 0.55703 | 0.00000 | 602892.1 | 341861.4 | 0.0 | S |
| 50.258 | 0.0000 | 0.0000 | 83.302 | 0.55693 | 0.00000 | 602892.1 | 341878.1 | 0.0 | S |
| 50.267 | 0.0000 | 0.0000 | 83.301 | 0.55684 | 0.00000 | 602892.1 | 341894.8 | 0.0 | S |
| 50.275 | 0.0000 | 0.0000 | 83.301 | 0.55674 | 0.00000 | 602892.1 | 341911.5 | 0.0 | S |
| 50.283 | 0.0000 | 0.0000 | 83.301 | 0.55664 | 0.00000 | 602892.1 | 341928.2 | 0.0 | S |
| 50.292 | 0.0000 | 0.0000 | 83.301 | 0.55655 | 0.00000 | 602892.1 | 341944.9 | 0.0 | S |
| 50.300 | 0.0000 | 0.0000 | 83.300 | 0.55645 | 0.00000 | 602892.1 | 341961.6 | 0.0 | S |
| 50.308 | 0.0000 | 0.0000 | 83.300 | 0.55635 | 0.00000 | 602892.1 | 341978.3 | 0.0 | S |
| 50.317 | 0.0000 | 0.0000 | 83.300 | 0.55625 | 0.00000 | 602892.1 | 341995.0 | 0.0 | S |
| 50.325 | 0.0000 | 0.0000 | 83.300 | 0.55616 | 0.00000 | 602892.1 | 342011.7 | 0.0 | S |
| 50.333 | 0.0000 | 0.0000 | 83.299 | 0.55606 | 0.00000 | 602892.1 | 342028.3 | 0.0 | S |
| 50.342 | 0.0000 | 0.0000 | 83.299 | 0.55596 | 0.00000 | 602892.1 | 342045.0 | 0.0 | S |
| 50.350 | 0.0000 | 0.0000 | 83.299 | 0.55587 | 0.00000 | 602892.1 | 342061.7 | 0.0 | S |
| 50.358 | 0.0000 | 0.0000 | 83.299 | 0.55577 | 0.00000 | 602892.1 | 342078.4 | 0.0 | S |
| 50.367 | 0.0000 | 0.0000 | 83.298 | 0.55567 | 0.00000 | 602892.1 | 342095.1 | 0.0 | S |
| 50.375 | 0.0000 | 0.0000 | 83.298 | 0.55558 | 0.00000 | 602892.1 | 342111.7 | 0.0 | S |
| 50.383 | 0.0000 | 0.0000 | 83.298 | 0.55548 | 0.00000 | 602892.1 | 342128.4 | 0.0 | S |
| 50.392 | 0.0000 | 0.0000 | 83.298 | 0.55539 | 0.00000 | 602892.1 | 342145.1 | 0.0 | S |
| 50.400 | 0.0000 | 0.0000 | 83.297 | 0.55529 | 0.00000 | 602892.1 | 342161.7 | 0.0 | S |
| 50.408 | 0.0000 | 0.0000 | 83.297 | 0.55519 | 0.00000 | 602892.1 | 342178.4 | 0.0 | S |
| 50.417 | 0.0000 | 0.0000 | 83.297 | 0.55510 | 0.00000 | 602892.1 | 342195.0 | 0.0 | S |
| 50.425 | 0.0000 | 0.0000 | 83.297 | 0.55500 | 0.00000 | 602892.1 | 342211.7 | 0.0 | S |
| 50.433 | 0.0000 | 0.0000 | 83.296 | 0.55490 | 0.00000 | 602892.1 | 342228.3 | 0.0 | S |
| 50.442 | 0.0000 | 0.0000 | 83.296 | 0.55481 | 0.00000 | 602892.1 | 342245.0 | 0.0 | S |
| 50.450 | 0.0000 | 0.0000 | 83.296 | 0.55471 | 0.00000 | 602892.1 | 342261.6 | 0.0 | S |
| 50.458 | 0.0000 | 0.0000 | 83.296 | 0.55461 | 0.00000 | 602892.1 | 342278.3 | 0.0 | S |
| 50.467 | 0.0000 | 0.0000 | 83.295 | 0.55452 | 0.00000 | 602892.1 | 342294.9 | 0.0 | S |
| 50.475 | 0.0000 | 0.0000 | 83.295 | 0.55442 | 0.00000 | 602892.1 | 342311.5 | 0.0 | S |
| 50.483 | 0.0000 | 0.0000 | 83.295 | 0.55433 | 0.00000 | 602892.1 | 342328.2 | 0.0 | S |
| 50.492 | 0.0000 | 0.0000 | 83.295 | 0.55423 | 0.00000 | 602892.1 | 342344.8 | 0.0 | S |
| 50.500 | 0.0000 | 0.0000 | 83.294 | 0.55413 | 0.00000 | 602892.1 | 342361.4 | 0.0 | S |
| 50.508 | 0.0000 | 0.0000 | 83.294 | 0.55404 | 0.00000 | 602892.1 | 342378.0 | 0.0 | S |
| 50.517 | 0.0000 | 0.0000 | 83.294 | 0.55394 | 0.00000 | 602892.1 | 342394.7 | 0.0 | S |
| 50.525 | 0.0000 | 0.0000 | 83.294 | 0.55385 | 0.00000 | 602892.1 | 342411.3 | 0.0 | S |
| 50.533 | 0.0000 | 0.0000 | 83.293 | 0.55375 | 0.00000 | 602892.1 | 342427.9 | 0.0 | S |
| 50.542 | 0.0000 | 0.0000 | 83.293 | 0.55365 | 0.00000 | 602892.1 | 342444.5 | 0.0 | S |
| 50.550 | 0.0000 | 0.0000 | 83.293 | 0.55356 | 0.00000 | 602892.1 | 342461.1 | 0.0 | S |
| 50.558 | 0.0000 | 0.0000 | 83.293 | 0.55346 | 0.00000 | 602892.1 | 342477.7 | 0.0 | S |

PONDS Version 3.2.0207

Retention Pond Recovery - Refined Method Copyright 2003<br>Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario $1::$ pond 9100 year $/ 24$ hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (fl/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overlow Discharge (f $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 50.567 | 0.0000 | 0.0000 | 83.292 | 0.55337 | 0.00000 | 602892.1 | 342494.3 | 0.0 | S |
| 50.575 | 0.0000 | 0.0000 | 83.292 | 0.55327 | 0.00000 | 602892.1 | 342510.9 | 0.0 | S |
| 50.583 | 0.0000 | 0.0000 | 83.292 | 0.55318 | 0.00000 | 602892.1 | 342527.5 | 0.0 | S |
| 50.592 | 0.0000 | 0.0000 | 83.292 | 0.55308 | 0.00000 | 602892.1 | 342544.1 | 0.0 | S |
| 50.600 | 0.0000 | 0.0000 | 83.291 | 0.55299 | 0.00000 | 602892.1 | 342560.7 | 0.0 | S |
| 50.608 | 0.0000 | 0.0000 | 83.291 | 0.55289 | 0.00000 | 602892.1 | 342577.3 | 0.0 | S |
| 50.617 | 0.0000 | 0.0000 | 83.291 | 0.55279 | 0.00000 | 602892.1 | 342593.9 | 0.0 | S |
| 50.625 | 0.0000 | 0.0000 | 83.291 | 0.55270 | 0.00000 | 602892.1 | 342610.5 | 0.0 | S |
| 50.633 | 0.0000 | 0.0000 | 83.290 | 0.55260 | 0.00000 | 602892.1 | 342627.0 | 0.0 | S |
| 50.642 | 0.0000 | 0.0000 | 83.290 | 0.55251 | 0.00000 | 602892.1 | 342643.6 | 0.0 | S |
| 50.650 | 0.0000 | 0.0000 | 83.290 | 0.55241 | 0.00000 | 602892.1 | 342660.2 | 0.0 | S |
| 50.658 | 0.0000 | 0.0000 | 83.289 | 0.55232 | 0.00000 | 602892.1 | 342676.8 | 0.0 | S |
| 50.667 | 0.0000 | 0.0000 | 83.289 | 0.55222 | 0.00000 | 602892.1 | 342693.3 | 0.0 | S |
| 50.675 | 0.0000 | 0.0000 | 83.289 | 0.55213 | 0.00000 | 602892.1 | 342709.9 | 0.0 | S |
| 50.683 | 0.0000 | 0.0000 | 83.289 | 0.55203 | 0.00000 | 602892.1 | 342726.4 | 0.0 | S |
| 50.692 | 0.0000 | 0.0000 | 83.288 | 0.55194 | 0.00000 | 602892.1 | 342743.0 | 0.0 | S |
| 50.700 | 0.0000 | 0.0000 | 83.288 | 0.55184 | 0.00000 | 602892.1 | 342759.6 | 0.0 | S |
| 50.708 | 0.0000 | 0.0000 | 83.288 | 0.55175 | 0.00000 | 602892.1 | 342776.1 | 0.0 | S |
| 50.717 | 0.0000 | 0.0000 | 83.288 | 0.55165 | 0.00000 | 602892.1 | 342792.7 | 0.0 | S |
| 50.725 | 0.0000 | 0.0000 | 83.287 | 0.55156 | 0.00000 | 602892.1 | 342809.2 | 0.0 | S |
| 50.733 | 0.0000 | 0.0000 | 83.287 | 0.55146 | 0.00000 | 602892.1 | 342825.8 | 0.0 | S |
| 50.742 | 0.0000 | 0.0000 | 83.287 | 0.55137 | 0.00000 | 602892.1 | 342842.3 | 0.0 | S |
| 50.750 | 0.0000 | 0.0000 | 83.287 | 0.55127 | 0.00000 | 602892.1 | 342858.8 | 0.0 | S |
| 50.758 | 0.0000 | 0.0000 | 83.286 | 0.55118 | 0.00000 | 602892.1 | 342875.4 | 0.0 | S |
| 50.767 | 0.0000 | 0.0000 | 83.286 | 0.55108 | 0.00000 | 602892.1 | 342891.9 | 0.0 | S |
| 50.775 | 0.0000 | 0.0000 | 83.286 | 0.55099 | 0.00000 | 602892.1 | 342908.4 | 0.0 | S |
| 50.783 | 0.0000 | 0.0000 | 83.286 | 0.55089 | 0.00000 | 602892.1 | 342925.0 | 0.0 | S |
| 50.792 | 0.0000 | 0.0000 | 83.285 | 0.55080 | 0.00000 | 602892.1 | 342941.5 | 0.0 | S |
| 50.800 | 0.0000 | 0.0000 | 83.285 | 0.55070 | 0.00000 | 602892.1 | 342958.0 | 0.0 | S |
| 50.808 | 0.0000 | 0.0000 | 83.285 | 0.55061 | 0.00000 | 602892.1 | 342974.5 | 0.0 | S |
| 50.817 | 0.0000 | 0.0000 | 83.285 | 0.55051 | 0.00000 | 602892.1 | 342991.1 | 0.0 | S |
| 50.825 | 0.0000 | 0.0000 | 83.284 | 0.55042 | 0.00000 | 602892.1 | 343007.6 | 0.0 | S |
| 50.833 | 0.0000 | 0.0000 | 83.284 | 0.55032 | 0.00000 | 602892.1 | 343024.1 | 0.0 | S |
| 50.842 | 0.0000 | 0.0000 | 83.284 | 0.55023 | 0.00000 | 602892.1 | 343040.6 | 0.0 | S |
| 50.850 | 0.0000 | 0.0000 | 83.284 | 0.55014 | 0.00000 | 602892.1 | 343057.1 | 0.0 | S |
| 50.858 | 0.0000 | 0.0000 | 83.283 | 0.55004 | 0.00000 | 602892.1 | 343073.6 | 0.0 | S |
| 50.867 | 0.0000 | 0.0000 | 83.283 | 0.54995 | 0.00000 | 602892.1 | 343090.1 | 0.0 | S |
| 50.875 | 0.0000 | 0.0000 | 83.283 | 0.54985 | 0.00000 | 602892.1 | 343106.6 | 0.0 | S |
| 50.883 | 0.0000 | 0.0000 | 83.283 | 0.54976 | 0.00000 | 602892.1 | 343123.1 | 0.0 | S |
| 50.892 | 0.0000 | 0.0000 | 83.282 | 0.54966 | 0.00000 | 602892.1 | 343139.6 | 0.0 | S |
| 50.900 | 0.0000 | 0.0000 | 83.282 | 0.54957 | 0.00000 | 602892.1 | 343156.1 | 0.0 | S |
| 50.908 | 0.0000 | 0.0000 | 83.282 | 0.54948 | 0.00000 | 602892.1 | 343172.6 | 0.0 | S |
| 50.917 | 0.0000 | 0.0000 | 83.282 | 0.54938 | 0.00000 | 602892.1 | 343189.0 | 0.0 | S |
| 50.925 | 0.0000 | 0.0000 | 83.281 | 0.54929 | 0.00000 | 602892.1 | 343205.5 | 0.0 | S |
| 50.933 | 0.0000 | 0.0000 | 83.281 | 0.54919 | 0.00000 | 602892.1 | 343222.0 | 0.0 | S |
| 50.942 | 0.0000 | 0.0000 | 83.281 | 0.54910 | 0.00000 | 602892.1 | 343238.5 | 0.0 | S |
| 50.950 | 0.0000 | 0.0000 | 83.281 | 0.54900 | 0.00000 | 602892.1 | 343254.9 | 0.0 | S |
| 50.958 | 0.0000 | 0.0000 | 83.280 | 0.54891 | 0.00000 | 602892.1 | 343271.4 | 0.0 | S |
| 50.967 | 0.0000 | 0.0000 | 83.280 | 0.54882 | 0.00000 | 602892.1 | 343287.9 | 0.0 | S |
| 50.975 | 0.0000 | 0.0000 | 83.280 | 0.54872 | 0.00000 | 602892.1 | 343304.3 | 0.0 | S |
| 50.983 | 0.0000 | 0.0000 | 83.280 | 0.54863 | 0.00000 | 602892.1 | 343320.8 | 0.0 | S |
| 50.992 | 0.0000 | 0.0000 | 83.279 | 0.54853 | 0.00000 | 602892.1 | 343337.3 | 0.0 | S |
| 51.000 | 0.0000 | 0.0000 | 83.279 | 0.54844 | 0.00000 | 602892.1 | 343353.7 | 0.0 | S |
| 51.008 | 0.0000 | 0.0000 | 83.279 | 0.54835 | 0.00000 | 602892.1 | 343370.2 | 0.0 | S |
| 51.017 | 0.0000 | 0.0000 | 83.279 | 0.54825 | 0.00000 | 602892.1 | 343386.6 | 0.0 | S |
| 51.025 | 0.0000 | 0.0000 | 83.278 | 0.54816 | 0.00000 | 602892.1 | 343403.1 | 0.0 | S |
| 51.033 | 0.0000 | 0.0000 | 83.278 | 0.54807 | 0.00000 | 602892.1 | 343419.5 | 0.0 | S |
| 51.042 | 0.0000 | 0.0000 | 83.278 | 0.54797 | 0.00000 | 602892.1 | 343435.9 | 0.0 | S |
| 51.050 | 0.0000 | 0.0000 | 83.278 | 0.54788 | 0.00000 | 602892.1 | 343452.4 | 0.0 | S |
| 51.058 | 0.0000 | 0.0000 | 83.277 | 0.54779 | 0.00000 | 602892.1 | 343468.8 | 0.0 | S |
| 51.067 | 0.0000 | 0.0000 | 83.277 | 0.54769 | 0.00000 | 602892.1 | 343485.3 | 0.0 | S |
| 51.075 | 0.0000 | 0.0000 | 83.277 | 0.54760 | 0.00000 | 602892.1 | 343501.7 | 0.0 | S |
| 51.083 | 0.0000 | 0.0000 | 83.277 | 0.54750 | 0.00000 | 602892.1 | 343518.1 | 0.0 | S |
| 51.092 | 0.0000 | 0.0000 | 83.276 | 0.54741 | 0.00000 | 602892.1 | 343534.5 | 0.0 | S |
| 51.100 | 0.0000 | 0.0000 | 83.276 | 0.54732 | 0.00000 | 602892.1 | 343550.9 | 0.0 | S |
| 51.108 | 0.0000 | 0.0000 | 83.276 | 0.54722 | 0.00000 | 602892.1 | 343567.4 | 0.0 | S |
| 51.117 | 0.0000 | 0.0000 | 83.276 | 0.54713 | 0.00000 | 602892.1 | 343583.8 | 0.0 | S |
| 51.125 | 0.0000 | 0.0000 | 83.275 | 0.54704 | 0.00000 | 602892.1 | 343600.2 | 0.0 | S |
| 51.133 | 0.0000 | 0.0000 | 83.275 | 0.54694 | 0.00000 | 602892.1 | 343616.6 | 0.0 | S |
| 51.142 | 0.0000 | 0.0000 | 83.275 | 0.54685 | 0.00000 | 602892.1 | 343633.0 | 0.0 | S |
| 51.150 | 0.0000 | 0.0000 | 83.275 | 0.54676 | 0.00000 | 602892.1 | 343649.4 | 0.0 | S |
| 51.158 | 0.0000 | 0.0000 | 83.274 | 0.54667 | 0.00000 | 602892.1 | 343665.8 | 0.0 | S |
| 51.167 | 0.0000 | 0.0000 | 83.274 | 0.54657 | 0.00000 | 602892.1 | 343682.2 | 0.0 | S |
| 51.175 | 0.0000 | 0.0000 | 83.274 | 0.54648 | 0.00000 | 602892.1 | 343698.6 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year/ 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (f datum) | Infilitration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infilitration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 51.183 | 0.0000 | 0.0000 | 83.274 | 0.54639 | 0.00000 | 602892.1 | 343715.0 | 0.0 | S |
| 51.192 | 0.0000 | 0.0000 | 83.273 | 0.54629 | 0.00000 | 602892.1 | 343731.4 | 0.0 | S |
| 51.200 | 0.0000 | 0.0000 | 83.273 | 0.54620 | 0.00000 | 602892.1 | 343747.8 | 0.0 | S |
| 51.208 | 0.0000 | 0.0000 | 83.273 | 0.54611 | 0.00000 | 602892.1 | 343764.2 | 0.0 | S |
| 51.217 | 0.0000 | 0.0000 | 83.273 | 0.54601 | 0.00000 | 602892.1 | 343780.6 | 0.0 | S |
| 51.225 | 0.0000 | 0.0000 | 83.272 | 0.54592 | 0.00000 | 602892.1 | 343796.9 | 0.0 | S |
| 51.233 | 0.0000 | 0.0000 | 83.272 | 0.54583 | 0.00000 | 602892.1 | 343813.3 | 0.0 | S |
| 51.242 | 0.0000 | 0.0000 | 83.272 | 0.54574 | 0.00000 | 602892.1 | 343829.7 | 0.0 | S |
| 51.250 | 0.0000 | 0.0000 | 83.272 | 0.54564 | 0.00000 | 602892.1 | 343846.1 | 0.0 | S |
| 51.258 | 0.0000 | 0.0000 | 83.271 | 0.54555 | 0.00000 | 602892.1 | 343862.4 | 0.0 | S |
| 51.267 | 0.0000 | 0.0000 | 83.271 | 0.54546 | 0.00000 | 602892.1 | 343878.8 | 0.0 | S |
| 51.275 | 0.0000 | 0.0000 | 83.271 | 0.54536 | 0.00000 | 602892.1 | 343895.2 | 0.0 | S |
| 51.283 | 0.0000 | 0.0000 | 83.271 | 0.54527 | 0.00000 | 602892.1 | 343911.5 | 0.0 | S |
| 51.292 | 0.0000 | 0.0000 | 83.270 | 0.54518 | 0.00000 | 602892.1 | 343927.9 | 0.0 | S |
| 51.300 | 0.0000 | 0.0000 | 83.270 | 0.54509 | 0.00000 | 602892.1 | 343944.2 | 0.0 | S |
| 51.308 | 0.0000 | 0.0000 | 83.270 | 0.54499 | 0.00000 | 602892.1 | 343960.6 | 0.0 | S |
| 51.317 | 0.0000 | 0.0000 | 83.270 | 0.54490 | 0.00000 | 602892.1 | 343976.9 | 0.0 | S |
| 51.325 | 0.0000 | 0.0000 | 83.269 | 0.54481 | 0.00000 | 602892.1 | 343993.3 | 0.0 | S |
| 51.333 | 0.0000 | 0.0000 | 83.269 | 0.54472 | 0.00000 | 602892.1 | 344009.6 | 0 | S |
| 51.342 | 0.0000 | 0.0000 | 83.269 | 0.54462 | 0.00000 | 602892.1 | 344025.9 | 0.0 | S |
| 51.350 | 0.0000 | 0.0000 | 83.269 | 0.54453 | 0.00000 | 602892.1 | 344042.3 | 0.0 | S |
| 51.358 | 0.0000 | 0.0000 | 83.268 | 0.54444 | 0.00000 | 602892.1 | 344058.6 | 0.0 | S |
| 51.367 | 0.0000 | 0.0000 | 83.268 | 0.54435 | 0.00000 | 602892.1 | 344074.9 | 0.0 | S |
| 51.375 | 0.0000 | 0.0000 | 83.268 | 0.54426 | 0.00000 | 602892.1 | 344091.3 | 0.0 | S |
| 51.383 | 0.0000 | 0.0000 | 83.268 | 0.54416 | 0.00000 | 602892.1 | 344107.6 | 0.0 | S |
| 51.392 | 0.0000 | 0.0000 | 83.267 | 0.54407 | 0.00000 | 602892.1 | 344123.9 | 0.0 | S |
| 51.400 | 0.0000 | 0.0000 | 83.267 | 0.54398 | 0.00000 | 602892.1 | 344140.3 | 0.0 | S |
| 51.408 | 0.0000 | 0.0000 | 83.267 | 0.54389 | 0.00000 | 602892.1 | 344156.6 | 0.0 | S |
| 51.417 | 0.0000 | 0.0000 | 83.267 | 0.54379 | 0.00000 | 602892.1 | 344172.9 | 0.0 | S |
| 51.425 | 0.0000 | 0.0000 | 83.266 | 0.54370 | 0.00000 | 602892.1 | 344189.2 | 0.0 | S |
| 51.433 | 0.0000 | 0.0000 | 83.266 | 0.54361 | 0.00000 | 602892.1 | 344205.5 | 0.0 | S |
| 51.442 | 0.0000 | 0.0000 | 83.266 | 0.54352 | 0.00000 | 602892.1 | 344221.8 | 0.0 | S |
| 51.450 | 0.0000 | 0.0000 | 83.266 | 0.54343 | 0.00000 | 602892.1 | 344238.1 | 0.0 | S |
| 51.458 | 0.0000 | 0.0000 | 83.265 | 0.54333 | 0.00000 | 602892.1 | 344254.4 | 0.0 | S |
| 51.467 | 0.0000 | 0.0000 | 83.265 | 0.54324 | 0.00000 | 602892.1 | 344270.7 | 0.0 | S |
| 51.475 | 0.0000 | 0.0000 | 83.265 | 0.54315 | 0.00000 | 602892.1 | 344287.0 | 0.0 | S |
| 51.483 | 0.0000 | 0.0000 | 83.265 | 0.54306 | 0.00000 | 602892.1 | 344303.3 | 0.0 | S |
| 51.492 | 0.0000 | 0.0000 | 83.264 | 0.54297 | 0.00000 | 602892.1 | 344319.6 | 0.0 | S |
| 51.500 | 0.0000 | 0.0000 | 83.264 | 0.54288 | 0.00000 | 602892.1 | 344335.9 | 0.0 | S |
| 51.508 | 0.0000 | 0.0000 | 83.264 | 0.54278 | 0.00000 | 602892.1 | 344352.2 | 0.0 | S |
| 51.517 | 0.0000 | 0.0000 | 83.264 | 0.54269 | 0.00000 | 602892.1 | 344368.4 | 0.0 | S |
| 51.525 | 0.0000 | 0.0000 | 83.263 | 0.54260 | 0.00000 | 602892.1 | 344384.7 | 0.0 | S |
| 51.533 | 0.0000 | 0.0000 | 83.263 | 0.54251 | 0.00000 | 602892.1 | 344401.0 | 0.0 | S |
| 51.542 | 0.0000 | 0.0000 | 83.263 | 0.54242 | 0.00000 | 602892.1 | 344417.3 | 0.0 | S |
| 51.550 | 0.0000 | 0.0000 | 83.263 | 0.54233 | 0.00000 | 602892.1 | 344433.6 | 0.0 | S |
| 51.558 | 0.0000 | 0.0000 | 83.262 | 0.54223 | 0.00000 | 602892.1 | 344449.8 | 0.0 | S |
| 51.567 | 0.0000 | 0.0000 | 83.262 | 0.54214 | 0.00000 | 602892.1 | 344466.1 | 0.0 | S |
| 51.575 | 0.0000 | 0.0000 | 83.262 | 0.54205 | 0.00000 | 602892.1 | 344482.3 | 0.0 | S |
| 51.583 | 0.0000 | 0.0000 | 83.262 | 0.54196 | 0.00000 | 602892.1 | 344498.6 | 0.0 | S |
| 51.592 | 0.0000 | 0.0000 | 83.261 | 0.54187 | 0.00000 | 602892.1 | 344514.9 | 0.0 | S |
| 51.600 | 0.0000 | 0.0000 | 83.261 | 0.54178 | 0.00000 | 602892.1 | 344531.1 | 0.0 | S |
| 51.608 | 0.0000 | 0.0000 | 83.261 | 0.54169 | 0.00000 | 602892.1 | 344547.4 | 0.0 | S |
| 51.617 | 0.0000 | 0.0000 | 83.261 | 0.54159 | 0.00000 | 602892.1 | 344563.6 | 0.0 | S |
| 51.625 | 0.0000 | 0.0000 | 83.260 | 0.54150 | 0.00000 | 602892.1 | 344579.9 | 0.0 | S |
| 51.633 | 0.0000 | 0.0000 | 83.260 | 0.54141 | 0.00000 | 602892.1 | 344596.1 | 0.0 | S |
| 51.642 | 0.0000 | 0.0000 | 83.260 | 0.54132 | 0.00000 | 602892.1 | 344612.3 | 0.0 | S |
| 51.650 | 0.0000 | 0.0000 | 83.260 | 0.54123 | 0.00000 | 602892.1 | 344628.6 | 0.0 | S |
| 51.658 | 0.0000 | 0.0000 | 83.259 | 0.54114 | 0.00000 | 602892.1 | 344644.8 | 0.0 | S |
| 51.667 | 0.0000 | 0.0000 | 83.259 | 0.54105 | 0.00000 | 602892.1 | 344661.1 | 0.0 | S |
| 51.675 | 0.0000 | 0.0000 | 83.259 | 0.54096 | 0.00000 | 602892.1 | 344677.3 | 0.0 | S |
| 51.683 | 0.0000 | 0.0000 | 83.259 | 0.54087 | 0.00000 | 602892.1 | 344693.5 | 0.0 | S |
| 51.682 | 0.0000 | 0.0000 | 83.258 | 0.54077 | 0.00000 | 602892.1 | 344709.8 | 0.0 | S |
| 51.700 | 0.0000 | 0.0000 | 83.258 | 0.54068 | 0.00000 | 602892.1 | 344726.0 | 0.0 | S |
| 51.708 | 0.0000 | 0.0000 | 83.258 | 0.54059 | 0.00000 | 602892.1 | 344742.2 | 0.0 | S |
| 51.717 | 0.0000 | 0.0000 | 83.258 | 0.54050 | 0.00000 | 602892.1 | 344758.4 | 0.0 | S |
| 51.725 | 0.0000 | 0.0000 | 83.257 | 0.54041 | 0.00000 | 602892.1 | 344774.6 | 0.0 | S |
| 51.733 | 0.0000 | 0.0000 | 83.257 | 0.54032 | 0.00000 | 602892.1 | 344790.8 | 0.0 | S |
| 51.742 | 0.0000 | 0.0000 | 83.257 | 0.54023 | 0.00000 | 602892.1 | 344807.0 | 0.0 | S |
| 51.750 | 0.0000 | 0.0000 | 83.257 | 0.54014 | 0.00000 | 602892.1 | 344823.3 | 0.0 | S |
| 51.758 | 0.0000 | 0.0000 | 83.256 | 0.54005 | 0.00000 | 602892.1 | 344839.4 | 0.0 | S |
| 51.767 | 0.0000 | 0.0000 | 83.256 | 0.53996 | 0.00000 | 602892.1 | 344855.6 | 0.0 | S |
| 51.775 | 0.0000 | 0.0000 | 83.256 | 0.53987 | 0.00000 | 602892.1 | 344871.8 | 0.0 | S |
| 51.783 | 0.0000 | 0.0000 | 83.256 | 0.53978 | 0.00000 | 602892.1 | 344888.0 | 0.0 | S |
| 51.792 | 0.0000 | 0.0000 | 83.255 | 0.53969 | 0.00000 | 602892.1 | 344904.2 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed <br> Time (hours) | Inflow Rate (f13/s) | Outside Recharge (Fl/day) | Stage Elevation (fl datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 51.800 | 0.0000 | 0.0000 | 83.255 | 0.53960 | 0.00000 | 602892.1 | 344920.4 | 0.0 | S |
| 51.808 | 0.0000 | 0.0000 | 83.255 | 0.53950 | 0.00000 | 602892.1 | 344936.6 | 0.0 | S |
| 51.817 | 0.0000 | 0.0000 | 83.255 | 0.53941 | 0.00000 | 602892.1 | 344952.8 | 0.0 | S |
| 51.825 | 0.0000 | 0.0000 | 83.254 | 0.53932 | 0.00000 | 602892.1 | 344969.0 | 0.0 | S |
| 51.833 | 0.0000 | 0.0000 | 83.254 | 0.53923 | 0.00000 | 602892.1 | 344985.1 | 0.0 | S |
| 51.842 | 0.0000 | 0.0000 | 83.254 | 0.53914 | 0.00000 | $602892 . \dagger$ | 345001.3 | 0.0 | S |
| 51.850 | 0.0000 | 0.0000 | 83.254 | 0.53905 | 0.00000 | 602892.1 | 345017.5 | 0.0 | S |
| 51.858 | 0.0000 | 0.0000 | 83.253 | 0.53896 | 0.00000 | 602892.1 | 345033.7 | 0.0 | S |
| 51.867 | 0.0000 | 0.0000 | 83.253 | 0.53887 | 0.00000 | 602892.1 | 345049.8 | 0.0 | S |
| 51.875 | 0.0000 | 0.0000 | 83.253 | 0.53878 | 0.00000 | 602892.1 | 345066.0 | 0.0 | S |
| 51.883 | 0.0000 | 0.0000 | 83.253 | 0.53869 | 0.00000 | 602892.1 | 345082.2 | 0.0 | S |
| 51.892 | 0.0000 | 0.0000 | 83.252 | 0.53860 | 0.00000 | 602892.1 | 345098.3 | 0.0 | S |
| 51.900 | 0.0000 | 0.0000 | 83.252 | 0.53851 | 0.00000 | 602892.1 | 345114.5 | 0.0 | S |
| 51.908 | 0.0000 | 0.0000 | 83.252 | 0.53842 | 0.00000 | 602892.1 | 345130.6 | 0.0 | S |
| 51.917 | 0.0000 | 0.0000 | 83.252 | 0.53833 | 0.00000 | 602892.1 | 345146.8 | 0.0 | S |
| 51.925 | 0.0000 | 0.0000 | 83.251 | 0.53824 | 0.00000 | 602892.1 | 345162.9 | 0.0 | S |
| 51.933 | 0.0000 | 0.0000 | 83.251 | 0.53815 | 0.00000 | 602892.1 | 345179.1 | 0.0 | S |
| 51.942 | 0.0000 | 0.0000 | 83.251 | 0.53806 | 0.00000 | 602892.1 | 345195.2 | 0.0 | S |
| 51.950 | 0.0000 | 0.0000 | 83.251 | 0.53797 | 0.00000 | 602892.1 | 345211.3 | 0.0 | S |
| 51.958 | 0.0000 | 0.0000 | 83.250 | 0.53788 | 0.00000 | 602892.1 | 345227.5 | 0.0 | S |
| 51.967 | 0.0000 | 0.0000 | 83.250 | 0.53779 | 0.00000 | 602892.1 | 345243.6 | 0.0 | S |
| 51.975 | 0.0000 | 0.0000 | 83.250 | 0.53770 | 0.00000 | 602892.1 | 345259.8 | 0.0 | S |
| 51.983 | 0.0000 | 0.0000 | 83.250 | 0.53761 | 0.00000 | 602892.1 | 345275.9 | 0.0 | S |
| 51.992 | 0.0000 | 0.0000 | 83.249 | 0.53752 | 0.00000 | 602892.1 | 345292.0 | 0.0 | S |
| 52.000 | 0.0000 | 0.0000 | 83.249 | 0.53743 | 0.00000 | 602892.1 | 345308.1 | 0.0 | S |
| 52.008 | 0.0000 | 0.0000 | 83.249 | 0.53734 | 0.00000 | 602892.1 | 345324.3 | 0.0 | S |
| 52.017 | 0.0000 | 0.0000 | 83.249 | 0.53725 | 0.00000 | 602892.1 | 345340.4 | 0.0 | S |
| 52.025 | 0.0000 | 0.0000 | 83.248 | 0.53716 | 0.00000 | 602892.1 | 345356.5 | 0.0 | S |
| 52.033 | 0.0000 | 0.0000 | 83.248 | 0.53707 | 0.00000 | 602892.1 | 345372.6 | 0.0 | S |
| 52.042 | 0.0000 | 0.0000 | 83.248 | 0.53698 | 0.00000 | 602892.1 | 345388.7 | 0.0 | S |
| 52.050 | 0.0000 | 0.0000 | 83.248 | 0.53690 | 0.00000 | 602892.1 | 345404.8 | 0.0 | S |
| 52.058 | 0.0000 | 0.0000 | 83.247 | 0.53681 | 0.00000 | 602892.1 | 345420.9 | 0.0 | S |
| 52.067 | 0.0000 | 0.0000 | 83.247 | 0.53672 | 0.00000 | 602892.1 | 345437.0 | 0.0 | S |
| 52.075 | 0.0000 | 0.0000 | 83.247 | 0.53663 | 0.00000 | 602892.1 | 345453.1 | 0.0 | S |
| 52.083 | 0.0000 | 0.0000 | 83.247 | 0.53654 | 0.00000 | 602892.1 | 345469.3 | 0.0 | S |
| 52.092 | 0.0000 | 0.0000 | 83.246 | 0.53645 | 0.00000 | 602892.1 | 345485.3 | 0.0 | S |
| 52.100 | 0.0000 | 0.0000 | 83.246 | 0.53636 | 0.00000 | 602892.1 | 345501.4 | 0.0 | S |
| 52.108 | 0.0000 | 0.0000 | 83.246 | 0.53627 | 0.00000 | 602892.1 | 345517.5 | 0.0 | S |
| 52.117 | 0.0000 | 0.0000 | 83.246 | 0.53618 | 0.00000 | 602892.1 | 345533.6 | 0.0 | S |
| 52.125 | 0.0000 | 0.0000 | 83.245 | 0.53609 | 0.00000 | 602892.1 | 345549.7 | 0.0 | S |
| 52.133 | 0.0000 | 0.0000 | 83.245 | 0.53600 | 0.00000 | 602892.1 | 345565.8 | 0.0 | S |
| 52.142 | 0.0000 | 0.0000 | 83.245 | 0.53591 | 0.00000 | 602892.1 | 345581.8 | 0.0 | S |
| 52.150 | 0.0000 | 0.0000 | 83.245 | 0.53582 | 0.00000 | 602892.1 | 345597.9 | 0.0 | S |
| 52.158 | 0.0000 | 0.0000 | 83.244 | 0.53573 | 0.00000 | 602892.1 | 345614.0 | 0.0 | S |
| 52.167 | 0.0000 | 0.0000 | 83.244 | 0.53565 | 0.00000 | 602892.1 | 345630.7 | 0.0 | S |
| 52.175 | 0.0000 | 0.0000 | 83.244 | 0.53556 | 0.00000 | 602892.1 | 345646.1 | 0.0 | S |
| 52.183 | 0.0000 | 0.0000 | 83.244 | 0.53547 | 0.00000 | 602892.1 | 345662.2 | 0.0 | S |
| 52.192 | 0.0000 | 0.0000 | 83.243 | 0.53538 | 0.00000 | 602892.1 | 345678.3 | 0.0 | S |
| 52.200 | 0.0000 | 0.0000 | 83.243 | 0.53529 | 0.00000 | 602892.1 | 345694.3 | 0.0 | S |
| 52.208 | 0.0000 | 0.0000 | 83.243 | 0.53520 | 0.00000 | 602892.1 | 345710.4 | 0.0 | S |
| 52.217 | 0.0000 | 0.0000 | 83.243 | 0.53511 | 0.00000 | 602892.1 | 345726.4 | 0.0 | S |
| 52.225 | 0.0000 | 0.0000 | 83.242 | 0.53502 | 0.00000 | 602892.1 | 345742.5 | 0.0 | S |
| 52.233 | 0.0000 | 0.0000 | 83.242 | 0.53493 | 0.00000 | 602892.1 | 345758.5 | 0.0 | S |
| 52.242 | 0.0000 | 0.0000 | 83.242 | 0.53485 | 0.00000 | 602892.1 | 345774.6 | 0.0 | S |
| 52.250 | 0.0000 | 0.0000 | 83.242 | 0.53476 | 0.00000 | 602892.1 | 345790.6 | 0.0 | S |
| 52.258 | 0.0000 | 0.0000 | 83.242 | 0.53467 | 0.00000 | 602892.1 | 345806.7 | 0.0 | S |
| 52.267 | 0.0000 | 0.0000 | 83.241 | 0.53458 | 0.00000 | 602892.1 | 345822.7 | 0.0 | S |
| 52.275 | 0.0000 | 0.0000 | 83.241 | 0.53449 | 0.00000 | 602892.1 | 345838.8 | 0.0 | S |
| 52.283 | 0.0000 | 0.0000 | 83.241 | 0.53440 | 0.00000 | 602892.1 | 345854.8 | 0.0 | S |
| 52.292 | 0.0000 | 0.0000 | 83.241 | 0.53431 | 0.00000 | 602892.1 | 345870.8 | 0.0 | S |
| 52.300 | 0.0000 | 0.0000 | 83.240 | 0.53422 | 0.00000 | 602892.1 | 345886.8 | 0.0 | S |
| 52.308 | 0.0000 | 0.0000 | 83.240 | 0.53414 | 0.00000 | 602892.1 | 345902.8 | 0.0 | S |
| 52.317 | 0.0000 | 0.0000 | 83.240 | 0.53405 | 0.00000 | 602892.1 | 345918.9 | 0.0 | S |
| 52.325 | 0.0000 | 0.0000 | 83.240 | 0.53396 | 0.00000 | 602892.1 | 345934.9 | 0.0 | S |
| 52.333 | 0.0000 | 0.0000 | 83.239 | 0.53387 | 0.00000 | 602892.1 | 345950.9 | 0.0 | S |
| 52.342 | 0.0000 | 0.0000 | 83.239 | 0.53378 | 0.00000 | 602892.1 | 345966.9 | 0.0 | S |
| 52.350 | 0.0000 | 0.0000 | 83.239 | 0.53369 | 0.00000 | 602892.1 | 345982.9 | 0.0 | S |
| 52.358 | 0.0000 | 0.0000 | 83.239 | 0.53361 | 0.00000 | 602892.1 | 345998.9 | 0.0 | S |
| 52.367 | 0.0000 | 0.0000 | 83.238 | 0.53352 | 0.00000 | 602892.1 | 346015.0 | 0.0 | S |
| 52.375 | 0.0000 | 0.0000 | 83.238 | 0.53343 | 0.00000 | 602892.1 | 346031.0 | 0.0 | S |
| 52.383 | 0.0000 | 0.0000 | 83.238 | 0.53334 | 0.00000 | 602892.1 | 346047.0 | 0.0 | S |
| 52.392 | 0.0000 | 0.0000 | 83.238 | 0.53325 | 0.00000 | 602892.1 | 346063.0 | 0.0 | S |
| 52.400 | 0.0000 | 0.0000 | 83.237 | 0.53316 | 0.00000 | 602892.1 | 346079.0 | 0.0 | S |
| 52.408 | 0.0000 | 0.0000 | 83.237 | 0.53308 | 0.00000 | 602892.1 | 346095.0 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{A}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (f datum) | Infiltration Rate ( $\mathrm{fl}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | $\begin{aligned} & \text { Cumulative } \\ & \text { Inflow } \\ & \text { Volume }\left(\mathrm{ft}^{3}\right) \end{aligned}$ | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 52.417 | 0.0000 | 0.0000 | 83.237 | 0.53299 | 0.00000 | 602892.1 | 346110.9 | 0.0 | S |
| 52.425 | 0.0000 | 0.0000 | 83.237 | 0.53290 | 0.00000 | 602892.1 | 346126.9 | 0.0 | S |
| 52.433 | 0.0000 | 0.0000 | 83.236 | 0.53281 | 0.00000 | 602892.1 | 346142.9 | 0.0 | S |
| 52.442 | 0.0000 | 0.0000 | 83.236 | 0.53272 | 0.00000 | 602892.1 | 346158.9 | 0.0 | S |
| 52.450 | 0.0000 | 0.0000 | 83.236 | 0.53264 | 0.00000 | 602892.1 | 346174.9 | 0.0 | S |
| 52.458 | 0.0000 | 0.0000 | 83.236 | 0.53255 | 0.00000 | 602892.1 | 346190.9 | 0.0 | S |
| 52.467 | 0.0000 | 0.0000 | 83.235 | 0.53246 | 0.00000 | 602892.1 | 346206.8 | 0.0 | S |
| 52.475 | 0.0000 | 0.0000 | 83.235 | 0.53237 | 0.00000 | 602892.1 | 346222.8 | 0.0 | S |
| 52.483 | 0.0000 | 0.0000 | 83.235 | 0.53228 | 0.00000 | 602892.1 | 346238.8 | 0.0 | S |
| 52.492 | 0.0000 | 0.0000 | 83.235 | 0.53220 | 0.00000 | 602892.7 | 346254.8 | 0.0 | S |
| 52.500 | 0.0000 | 0.0000 | 83.234 | 0.53211 | 0.00000 | 602892.1 | 346270.7 | 0.0 | S |
| 52.508 | 0.0000 | 0.0000 | 83.234 | 0.53202 | 0.00000 | 602892.1 | 346286.7 | 0.0 | S |
| 52.517 | 0.0000 | 0.0000 | 83.234 | 0.53193 | 0.00000 | 602892.1 | 346302.6 | 0.0 | S |
| 52.525 | 0.0000 | 0.0000 | 83.234 | 0.53185 | 0.00000 | 602892.1 | 346318.6 | 0.0 | S |
| 52.533 | 0.0000 | 0.0000 | 83.233 | 0.53176 | 0.00000 | 602892.1 | 346334.5 | 0.0 | S |
| 52.542 | 0.0000 | 0.0000 | 83.233 | 0.53167 | 0.00000 | 602892.1 | 346350.5 | 0.0 | S |
| 52.550 | 0.0000 | 0.0000 | 83.233 | 0.53158 | 0.00000 | 602892.1 | 346366.4 | 0.0 | S |
| 52.558 | 0.0000 | 0.0000 | 83.233 | 0.53150 | 0.00000 | 602892.1 | 346382.4 | 0.0 | S |
| 52.567 | 0.0000 | 0.0000 | 83.232 | 0.53141 | 0.00000 | 602892.1 | 346398.3 | 0.0 | S |
| 52.575 | 0.0000 | 0.0000 | 83.232 | 0.53132 | 0.00000 | 602892.1 | 346414.3 | 0.0 | S |
| 52.583 | 0.0000 | 0.0000 | 83.232 | 0.53123 | 0.00000 | 602892.1 | 346430.2 | 0.0 | S |
| 52.592 | 0.0000 | 0.0000 | 83.232 | 0.53115 | 0.00000 | 602892.1 | 346446.2 | 0.0 | S |
| 52.600 | 0.0000 | 0.0000 | 83.231 | 0.53106 | 0.00000 | 602892.1 | 346462.1 | 0.0 | S |
| 52.608 | 0.0000 | 0.0000 | 83.231 | 0.53097 | 0.00000 | 602892.1 | 346478.0 | 0.0 | S |
| 52.617 | 0.0000 | 0.0000 | 83.231 | 0.53088 | 0.00000 | 602892.1 | 346493.9 | 0.0 | S |
| 52.625 | 0.0000 | 0.0000 | 83.231 | 0.53080 | 0.00000 | 602892.1 | 346509.9 | 0.0 | S |
| 52.633 | 0.0000 | 0.0000 | 83.230 | 0.53071 | 0.00000 | 602892.1 | 346525.8 | 0.0 | S |
| 52.642 | 0.0000 | 0.0000 | 83.230 | 0.53062 | 0.00000 | 602892.1 | 346541.7 | 0.0 | S |
| 52.650 | 0.0000 | 0.0000 | 83.230 | 0.53053 | 0.00000 | 602892.1 | 346557.6 | 0.0 | S |
| 52.658 | 0.0000 | 0.0000 | 83.230 | 0.53045 | 0.00000 | 602892.1 | 346573.5 | 0.0 | S |
| 52.667 | 0.0000 | 0.0000 | 83.229 | 0.53036 | 0.00000 | 602892.1 | 346589.4 | 0.0 | S |
| 52.675 | 0.0000 | 0.0000 | 83.229 | 0.53027 | 0.00000 | 602892.1 | 346605.3 | 0.0 | S |
| 52.683 | 0.0000 | 0.0000 | 83.229 | 0.53019 | 0.00000 | 602892.1 | 346621.3 | 0.0 | S |
| 52.692 | 0.0000 | 0.0000 | 83.229 | 0.53010 | 0.00000 | 602892.1 | 346637.2 | 0.0 | S |
| 52.700 | 0.0000 | 0.0000 | 83.228 | 0.53001 | 0.00000 | 602892.1 | 346653.1 | 0.0 | S |
| 52.708 | 0.0000 | 0.0000 | 83.228 | 0.52992 | 0.00000 | 602892.1 | 346669.0 | 0.0 | S |
| 52.717 | 0.0000 | 0.0000 | 83.228 | 0.52984 | 0.00000 | 602892.1 | 346684.9 | 0.0 | S |
| 52.725 | 0.0000 | 0.0000 | 83.228 | 0.52975 | 0.00000 | 602892.1 | 346700.8 | 0.0 | S |
| 52.733 | 0.0000 | 0.0000 | 83.228 | 0.52966 | 0.00000 | 602892.1 | 346716.7 | 0.0 | S |
| 52.742 | 0.0000 | 0.0000 | 83.227 | 0.52958 | 0.00000 | 602882.1 | 346732.5 | 0.0 | S |
| 52.750 | 0.0000 | 0.0000 | 83.227 | 0.52949 | 0.00000 | 602892.1 | 346748.4 | 0.0 | S |
| 52.758 | 0.0000 | 0.0000 | 83.227 | 0.52940 | 0.00000 | 602892.1 | 346764.3 | 0.0 | S |
| 52.767 | 0.0000 | 0.0000 | 83.227 | 0.52932 | 0.00000 | 602892.1 | 346780.2 | 0.0 | S |
| 52.775 | 0.0000 | 0.0000 | 83.226 | 0.52923 | 0.00000 | 602892.1 | 346796.1 | 0.0 | S |
| 52.783 | 0.0000 | 0.0000 | 83.226 | 0.52914 | 0.00000 | 602892.1 | 346811.9 | 0.0 | S |
| 52.792 | 0.0000 | 0.0000 | 83.226 | 0.52906 | 0.00000 | 602892.1 | 346827.8 | 0.0 | S |
| 52.800 | 0.0000 | 0.0000 | 83.226 | 0.52897 | 0.00000 | 602892.1 | 346843.7 | 0.0 | S |
| 52.808 | 0.0000 | 0.0000 | 83.225 | 0.52888 | 0.00000 | 602892.1 | 346859.6 | 0.0 | S |
| 52.817 | 0.0000 | 0.0000 | 83.225 | 0.52880 | 0.00000 | 602892.1 | 346875.4 | 0.0 | S |
| 52.825 | 0.0000 | 0.0000 | 83.225 | 0.52871 | 0.00000 | 602892.1 | 346891.3 | 0.0 | S |
| 52.833 | 0.0000 | 0.0000 | 83.225 | 0.52862 | 0.00000 | 602892.1 | 346907.2 | 0.0 | S |
| 52.842 | 0.0000 | 0.0000 | 83.224 | 0.52854 | 0.00000 | 602892.1 | 346923.0 | 0.0 | S |
| 52.850 | 0.0000 | 0.0000 | 83.224 | 0.52845 | 0.00000 | 602892.1 | 346938.8 | 0.0 | S |
| 52.858 | 0.0000 | 0.0000 | 83.224 | 0.52836 | 0.00000 | 602892.1 | 346954.7 | 0.0 | S |
| 52.867 | 0.0000 | 0.0000 | 83.224 | 0.52828 | 0.00000 | 602892.1 | 346970.6 | 0.0 | S |
| 52.875 | 0.0000 | 0.0000 | 83.223 | 0.52819 | 0.00000 | 602892.1 | 346986.4 | 0.0 | S |
| 52.883 | 0.0000 | 0.0000 | 83.223 | 0.52811 | 0.00000 | 602892.1 | 347002.3 | 0.0 | S |
| 52.892 | 0.0000 | 0.0000 | 83.223 | 0.52802 | 0.00000 | 602892.1 | 347018.1 | 0.0 | S |
| 52.900 | 0.0000 | 0.0000 | 83.223 | 0.52793 | 0.00000 | 602892.1 | 347033.9 | 0.0 | S |
| 52.908 | 0.0000 | 0.0000 | 83.222 | 0.52785 | 0.00000 | 602892.1 | 347049.8 | 0.0 | S |
| 52.917 | 0.0000 | 0.0000 | 83.222 | 0.52776 | 0.00000 | 602892.1 | 347065.6 | 0.0 | S |
| 52.925 | 0.0000 | 0.0000 | 83.222 | 0.52767 | 0.00000 | 602892.1 | 347081.4 | 0.0 | S |
| 52.933 | 0.0000 | 0.0000 | 83.222 | 0.52759 | 0.00000 | 602892.1 | 347097.3 | 0.0 | S |
| 52.942 | 0.0000 | 0.0000 | 83.221 | 0.52750 | 0.00000 | 602892.1 | 347113.1 | 0.0 | S |
| 52.950 | 0.0000 | 0.0000 | 83.221 | 0.52742 | 0.00000 | 602892.1 | 347128.9 | 0.0 | S |
| 52.958 | 0.0000 | 0.0000 | 83.221 | 0.52733 | 0.00000 | 602892.1 | 347144.7 | 0.0 | S |
| 52.967 | 0.0000 | 0.0000 | 83.221 | 0.52724 | 0.00000 | 602892.1 | 347160.6 | 0.0 | S |
| 52.975 | 0.0000 | 0.0000 | 83.220 | 0.52716 | 0.00000 | 602892.1 | 347176.4 | 0.0 | S |
| 52.983 | 0.0000 | 0.0000 | 83.220 | 0.52707 | 0.00000 | 602892.1 | 347192.2 | 0.0 | S |
| 52.992 | 0.0000 | 0.0000 | 83.220 | 0.52699 | 0.00000 | 602892.1 | 347208.0 | 0.0 | S |
| 53.000 | 0.0000 | 0.0000 | 83.220 | 0.52690 | 0.00000 | 602892.1 | 347223.8 | 0.0 | S |
| 53.008 | 0.0000 | 0.0000 | 83.219 | 0.52681 | 0.00000 | 602892.1 | 347239.6 | 0.0 | S |
| 53.017 | 0.0000 | 0.0000 | 83.219 | 0.52673 | 0.00000 | 602892.1 | 347255.4 | 0.0 | S |
| 53.025 | 0.0000 | 0.0000 | 83.219 | 0.52664 | 0.00000 | 602892.1 | 347271.2 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{t}^{3}$ ) | Cumutative Infiltration Volume (ft ${ }^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 53.033 | 0.0000 | 0.0000 | 83.219 | 0.52656 | 0.00000 | 602892.1 | 347287.0 | 0.0 | S |
| 53.042 | 0.0000 | 0.0000 | 83.218 | 0.52647 | 0.00000 | 602892.1 | 347302.8 | 0.0 | S |
| 53.050 | 0.0000 | 0.0000 | 83.218 | 0.52638 | 0.00000 | 602892.1 | 347318.6 | 0.0 | S |
| 53.058 | 0.0000 | 0.0000 | 83.218 | 0.52630 | 0.00000 | 602892.1 | 347334.4 | 0.0 | S |
| 53.067 | 0.0000 | 0.0000 | 83.218 | 0.52621 | 0.00000 | 602892.1 | 347350.2 | 0.0 | S |
| 53.075 | 0.0000 | 0.0000 | 83.218 | 0.52613 | 0.00000 | 602892.1 | 347366.0 | 0.0 | S |
| 53.083 | 0.0000 | 0.0000 | 83.217 | 0.52604 | 0.00000 | 602892.1 | 347381.8 | 0.0 | S |
| 53.092 | 0.0000 | 0.0000 | 83.217 | 0.52596 | 0.00000 | 602892.1 | 347397.5 | 0.0 | S |
| 53.100 | 0.0000 | 0.0000 | 83.217 | 0.52587 | 0.00000 | 602892.1 | 347413.3 | 0.0 | S |
| 53.108 | 0.0000 | 0.0000 | 83.217 | 0.52579 | 0.00000 | 602892.1 | 347429.1 | 0.0 | S |
| 53.117 | 0.0000 | 0.0000 | 83.216 | 0.52570 | 0.00000 | 602892.1 | 347444.8 | 0.0 | S |
| 53.125 | 0.0000 | 0.0000 | 83.216 | 0.52561 | 0.00000 | 602892.1 | 347460.6 | 0.0 | S |
| 53.133 | 0.0000 | 0.0000 | 83.216 | 0.52553 | 0.00000 | 602892.1 | 347476.4 | 0.0 | S |
| 53.142 | 0.0000 | 0.0000 | 83.216 | 0.52544 | 0.00000 | 602892.1 | 347492.2 | 0.0 | S |
| 53.150 | 0.0000 | 0.0000 | 83.215 | 0.52536 | 0.00000 | 602892.1 | 347507.9 | 0.0 | S |
| 53.158 | 0.0000 | 0.0000 | 83.215 | 0.52527 | 0.00000 | 602892.1 | 347523.7 | 0.0 | S |
| 53.167 | 0.0000 | 0.0000 | 83.215 | 0.52519 | 0.00000 | 602892.1 | 347539.4 | 0.0 | S |
| 53.175 | 0.0000 | 0.0000 | 83.215 | 0.52510 | 0.00000 | 602892.1 | 347555.2 | 0.0 | S |
| 53.183 | 0.0000 | 0.0000 | 83.214 | 0.52502 | 0.00000 | 602892.1 | 347570.9 | 0.0 | S |
| 53.192 | 0.0000 | 0.0000 | 83.214 | 0.52493 | 0.00000 | 602892.1 | 347586.7 | 0.0 | S |
| 53.200 | 0.0000 | 0.0000 | 83.214 | 0.52485 | 0.00000 | 602892.1 | 347602.4 | 0.0 | S |
| 53.208 | 0.0000 | 0.0000 | 83.214 | 0.52476 | 0.00000 | 602892.1 | 347618.2 | 0.0 | S |
| 53.217 | 0.0000 | 0.0000 | 83.213 | 0.52468 | 0.00000 | 602892.1 | 347633.9 | 0.0 | S |
| 53.225 | 0.0000 | 0.0000 | 83.213 | 0.52459 | 0.00000 | 602892.1 | 347649.7 | 0.0 | S |
| 53.233 | 0.0000 | 0.0000 | 83.213 | 0.52451 | 0.00000 | 602892.1 | 347665.4 | 0.0 | S |
| 53.242 | 0.0000 | 0.0000 | 83.213 | 0.52442 | 0.00000 | 602892.1 | 347681.1 | 0.0 | S |
| 53.250 | 0.0000 | 0.0000 | 83.212 | 0.52434 | 0.00000 | 602892.1 | 347696.8 | 0.0 | S |
| 53.258 | 0.0000 | 0.0000 | 83.212 | 0.52425 | 0.00000 | 602892.1 | 347712.6 | 0.0 | S |
| 53.267 | 0.0000 | 0.0000 | 83.212 | 0.52417 | 0.00000 | 602892.1 | 347728.3 | 0.0 | S |
| 53.275 | 0.0000 | 0.0000 | 83.212 | 0.52408 | 0.00000 | 602892.1 | 347744.0 | 0.0 | S |
| 53.283 | 0.0000 | 0.0000 | 83.211 | 0.52400 | 0.00000 | 602892.1 | 347759.8 | 0.0 | S |
| 53.292 | 0.0000 | 0.0000 | 83.211 | 0.52391 | 0.00000 | 602892.1 | 347775.5 | 0.0 | S |
| 53.300 | 0.0000 | 0.0000 | 83.211 | 0.52383 | 0.00000 | 602892.1 | 347791.2 | 0.0 | S |
| 53.308 | 0.0000 | 0.0000 | 83.211 | 0.52374 | 0.00000 | 602892.1 | 347806.9 | 0.0 | S |
| 53.317 | 0.0000 | 0.0000 | 83.210 | 0.52366 | 0.00000 | 602892.1 | 347822.6 | 0.0 | S |
| 53.325 | 0.0000 | 0.0000 | 83.210 | 0.52357 | 0.00000 | 602892.1 | 347838.3 | 0.0 | S |
| 53.333 | 0.0000 | 0.0000 | 83.210 | 0.52349 | 0.00000 | 602892.1 | 347854.0 | 0.0 | S |
| 53.342 | 0.0000 | 0.0000 | 83.210 | 0.52340 | 0.00000 | 602892.1 | 347869.7 | 0.0 | S |
| 53.350 | 0.0000 | 0.0000 | 83.210 | 0.52332 | 0.00000 | 602892.1 | 347885.4 | 0.0 | S |
| 53.358 | 0.0000 | 0.0000 | 83.209 | 0.52323 | 0.00000 | 602892.1 | 347901.1 | 0.0 | S |
| 53.367 | 0.0000 | 0.0000 | 83.209 | 0.52315 | 0.00000 | 602892.1 | 347916.8 | 0.0 | S |
| 53.375 | 0.0000 | 0.0000 | 83.209 | 0.52307 | 0.00000 | 602892.1 | 347932.5 | 0.0 | S |
| 53.383 | 0.0000 | 0.0000 | 83.209 | 0.52298 | 0.00000 | 602892.1 | 347948.2 | 0.0 | S |
| 53.392 | 0.0000 | 0.0000 | 83.208 | 0.52290 | 0.00000 | 602892.1 | 347963.9 | 0.0 | S |
| 53.400 | 0.0000 | 0.0000 | 83.208 | 0.52281 | 0.00000 | 602892.1 | 347979.6 | 0.0 | S |
| 53.408 | 0.0000 | 0.0000 | 83.208 | 0.52273 | 0.00000 | 602892.1 | 347995.3 | 0.0 | S |
| 53.417 | 0.0000 | 0.0000 | 83.208 | 0.52264 | 0.00000 | 602892.1 | 348010.9 | 0.0 | S |
| 53.425 | 0.0000 | 0.0000 | 83.207 | 0.52256 | 0.00000 | 602892.1 | 348026.6 | 0.0 | S |
| 53.433 | 0.0000 | 0.0000 | 83.207 | 0.52247 | 0.00000 | 602892.1 | 348042.3 | 0.0 | S |
| 53.442 | 0.0000 | 0.0000 | 83.207 | 0.52239 | 0.00000 | 602892.1 | 348058.0 | 0.0 | S |
| 53.450 | 0.0000 | 0.0000 | 83.207 | 0.52231 | 0.00000 | 602892.1 | 348073.7 | 0.0 | S |
| 53.458 | 0.0000 | 0.0000 | 83.206 | 0.52222 | 0.00000 | 602892.1 | 348089.3 | 0.0 | S |
| 53.467 | 0.0000 | 0.0000 | 83.206 | 0.52214 | 0.00000 | 602892.1 | 348105.0 | 0.0 | S |
| 53.475 | 0.0000 | 0.0000 | 83.206 | 0.52205 | 0.00000 | 602892.1 | 348120.7 | 0.0 | S |
| 53.483 | 0.0000 | 0.0000 | 83.206 | 0.52197 | 0.00000 | 602892.1 | 348136.3 | 0.0 | S |
| 53.492 | 0.0000 | 0.0000 | 83.205 | 0.52188 | 0.00000 | 602892.1 | 348152.0 | 0.0 | S |
| 53.500 | 0.0000 | 0.0000 | 83.205 | 0.52180 | 0.00000 | 602892.1 | 348167.6 | 0.0 | S |
| 53.508 | 0.0000 | 0.0000 | 83.205 | 0.52172 | 0.00000 | 602892.1 | 348183.3 | 0.0 | S |
| 53.517 | 0.0000 | 0.0000 | 83.205 | 0.52163 | 0.00000 | 602892.1 | 348198.9 | 0.0 | S |
| 53.525 | 0.0000 | 0.0000 | 83.204 | 0.52155 | 0.00000 | 602892.1 | 348214.6 | 0.0 | S |
| 53.533 | 0.0000 | 0.0000 | 83.204 | 0.52146 | 0.00000 | 602892.1 | 348230.2 | 0.0 | S |
| 53.542 | 0.0000 | 0.0000 | 83.204 | 0.52138 | 0.00000 | 602892.1 | 348245.8 | 0.0 | S |
| 53.550 | 0.0000 | 0.0000 | 83.204 | 0.52130 | 0.00000 | 602892.1 | 348261.5 | 0.0 | S |
| 53.558 | 0.0000 | 0.0000 | 83.203 | 0.52121 | 0.00000 | 602892.1 | 348277.1 | 0.0 | S |
| 53.567 | 0.0000 | 0.0000 | 83.203 | 0.52113 | 0.00000 | 602892.1 | 348292.8 | 0.0 | S |
| 53.575 | 0.0000 | 0.0000 | 83.203 | 0.52105 | 0.00000 | 602892.1 | 348308.4 | 0.0 | S |
| 53.583 | 0.0000 | 0.0000 | 83.203 | 0.52096 | 0.00000 | 602892.1 | 348324.0 | 0.0 | S |
| 53.592 | 0.0000 | 0.0000 | 83.203 | 0.52088 | 0.00000 | 602892.1 | 348339.7 | 0.0 | S |
| 53.600 | 0.0000 | 0.0000 | 83.202 | 0.52079 | 0.00000 | 602892.1 | 348355.3 | 0.0 | S |
| 53.608 | 0.0000 | 0.0000 | 83.202 | 0.52071 | 0.00000 | 602892.1 | 348370.9 | 0.0 | S |
| 53.617 | 0.0000 | 0.0000 | 83.202 | 0.52063 | 0.00000 | 602892.1 | 348386.5 | 0.0 | S |
| 53.625 | 0.0000 | 0.0000 | 83.202 | 0.52054 | 0.00000 | 602892.1 | 348402.2 | 0.0 | S |
| 53.633 | 0.0000 | 0.0000 | 83.201 | 0.52046 | 0.00000 | 602892.1 | 348417.8 | 0.0 | S |
| 53.642 | 0.0000 | 0.0000 | 83.201 | 0.52038 | 0.00000 | 602892.1 | 348433.4 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation ( H datum) | Infilitration Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{H}^{3 / \mathrm{s}} \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{t}^{3}$ ) | Cumulative <br> Discharge <br> Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 53.650 | 0.0000 | 0.0000 | 83.201 | 0.52029 | 0.00000 | 602892.1 | 348449.0 | 0.0 | S |
| 53.658 | 0.0000 | 0.0000 | 83.201 | 0.52021 | 0.00000 | 602892.1 | 348464.6 | 0.0 | S |
| 53.667 | 0.0000 | 0.0000 | 83.200 | 0.52013 | 0.00000 | 602892.1 | 348480.2 | 0.0 | 5 |
| 53.675 | 0.0000 | 0.0000 | 83.200 | 0.52004 | 0.00000 | 602892.1 | 348495.8 | 0.0 | S |
| 53.683 | 0.0000 | 0.0000 | 83.200 | 0.51996 | 0.00000 | 602892.1 | 348511.4 | 0.0 | S |
| 53.692 | 0.0000 | 0.0000 | 83.200 | 0.51987 | 0.00000 | 602892.1 | 348527.0 | 0.0 | S |
| 53.700 | 0.0000 | 0.0000 | 83.199 | 0.51979 | 0.00000 | 602892.1 | 348542.6 | 0.0 | S |
| 53.708 | 0.0000 | 0.0000 | 83.199 | 0.51971 | 0.00000 | 602892.1 | 348558.2 | 0.0 | S |
| 53.717 | 0.0000 | 0.0000 | 83.199 | 0.51962 | 0.00000 | 602892.1 | 348573.8 | 0.0 | S |
| 53.725 | 0.0000 | 0.0000 | 83.199 | 0.51954 | 0.00000 | 602892.1 | 348589.3 | 0.0 | S |
| 53.733 | 0.0000 | 0.0000 | 83.198 | 0.51946 | 0.00000 | 602892.1 | 348604.9 | 0.0 | S |
| 53.742 | 0.0000 | 0.0000 | 83.198 | 0.51937 | 0.00000 | 602892.1 | 348620.5 | 0.0 | S |
| 53.750 | 0.0000 | 0.0000 | 83.198 | 0.51929 | 0.00000 | 602892.1 | 348636.1 | 0.0 | S |
| 53.758 | 0.0000 | 0.0000 | 83.198 | 0.51921 | 0.00000 | 602892.1 | 348651.7 | 0.0 | S |
| 53.767 | 0.0000 | 0.0000 | 83.197 | 0.51913 | 0.00000 | 602892.1 | 348667.3 | 0.0 | S |
| 53.775 | 0.0000 | 0.0000 | 83.197 | 0.51904 | 0.00000 | 602892.1 | 348682.8 | 0.0 | S |
| 53.783 | 0.0000 | 0.0000 | 83.197 | 0.51896 | 0.00000 | 602892.1 | 348698.4 | 0.0 | S |
| 53.792 | 0.0000 | 0.0000 | 83.197 | 0.51888 | 0.00000 | 602892.1 | 348714.0 | 0.0 | S |
| 53.800 | 0.0000 | 0.0000 | 83.197 | 0.51879 | 0.00000 | 602892.1 | 348729.5 | 0.0 | S |
| 53.808 | 0.0000 | 0.0000 | 83.196 | 0.51871 | 0.00000 | 602892.1 | 348745.1 | 0.0 | S |
| 53.817 | 0.0000 | 0.0000 | 83.196 | 0.51863 | 0.00000 | 602892.1 | 348760.7 | 0.0 | S |
| 53.825 | 0.0000 | 0.0000 | 83.196 | 0.51854 | 0.00000 | 602892.1 | 348776.2 | 0.0 | S |
| 53.833 | 0.0000 | 0.0000 | 83.196 | 0.51846 | 0.00000 | 602892.1 | 348791.8 | 0.0 | S |
| 53.842 | 0.0000 | 0.0000 | 83.195 | 0.51838 | 0.00000 | 602892.1 | 348807.3 | 0.0 | S |
| 53.850 | 0.0000 | 0.0000 | 83.195 | 0.51830 | 0.00000 | 602892.1 | 348822.9 | 0.0 | S |
| 53.858 | 0.0000 | 0.0000 | 83.195 | 0.51821 | 0.00000 | 602892.1 | 348838.4 | 0.0 | S |
| 53.867 | 0.0000 | 0.0000 | 83.195 | 0.51813 | 0.00000 | 602892.1 | 348854.0 | 0.0 | S |
| 53.875 | 0.0000 | 0.0000 | 83.194 | 0.51805 | 0.00000 | 602892.1 | 348869.5 | 0.0 | S |
| 53.883 | 0.0000 | 0.0000 | 83.194 | 0.51796 | 0.00000 | 602892.1 | 348885.0 | 0.0 | S |
| 53.892 | 0.0000 | 0.0000 | 83.194 | 0.51788 | 0.00000 | 602892.1 | 348900.6 | 0.0 | S |
| 53.900 | 0.0000 | 0.0000 | 83.194 | 0.51780 | 0.00000 | 602892.1 | 348916.1 | 0.0 | S |
| 53.908 | 0.0000 | 0.0000 | 83.193 | 0.51772 | 0.00000 | 602892.1 | 348931.7 | 0.0 | S |
| 53.917 | 0.0000 | 0.0000 | 83.193 | 0.51763 | 0.00000 | 602892.1 | 348947.2 | 0.0 | S |
| 53.925 | 0.0000 | 0.0000 | 83.193 | 0.51755 | 0.00000 | 602892.1 | 348962.7 | 0.0 | S |
| 53.933 | 0.0000 | 0.0000 | 83.193 | 0.51747 | 0.00000 | 602892.1 | 348978.2 | 0.0 | S |
| 53.942 | 0.0000 | 0.0000 | 83.192 | 0.51739 | 0.00000 | 602892.1 | 348993.8 | 0.0 | S |
| 53.950 | 0.0000 | 0.0000 | 83.192 | 0.51730 | 0.00000 | 602892.1 | 349009.3 | 0.0 | S |
| 53.958 | 0.0000 | 0.0000 | 83.192 | 0.51722 | 0.00000 | 602892.1 | 349024.8 | 0.0 | S |
| 53.967 | 0.0000 | 0.0000 | 83.192 | 0.51714 | 0.00000 | 602892.1 | 349040.3 | 0.0 | S |
| 53.975 | 0.0000 | 0.0000 | 83.191 | 0.51706 | 0.00000 | 602892.1 | 349055.8 | 0.0 | S |
| 53.983 | 0.0000 | 0.0000 | 83.191 | 0.51697 | 0.00000 | 602892.1 | 349071.3 | 0.0 | S |
| 53.992 | 0.0000 | 0.0000 | 83.191 | 0.51689 | 0.00000 | 602892.1 | 349086.8 | 0.0 | S |
| 54.000 | 0.0000 | 0.0000 | 83.191 | 0.51681 | 0.00000 | 602892.1 | 349102.3 | 0.0 | S |
| 54.008 | 0.0000 | 0.0000 | 83.191 | 0.51673 | 0.00000 | 602892.1 | 349117.8 | 0.0 | S |
| 54.017 | 0.0000 | 0.0000 | 83.190 | 0.51664 | 0.00000 | 602892.1 | 349133.3 | 0.0 | S |
| 54.025 | 0.0000 | 0.0000 | 83,190 | 0.51656 | 0.00000 | 602892.1 | 349148.8 | 0.0 | S |
| 54.033 | 0.0000 | 0.0000 | 83.190 | 0.51648 | 0.00000 | 602892.1 | 349164.3 | 0.0 | S |
| 54.042 | 0.0000 | 0.0000 | 83.190 | 0.51640 | 0.00000 | 602892.1 | 349179.8 | 0.0 | S |
| 54.050 | 0.0000 | 0.0000 | 83.189 | 0.51632 | 0.00000 | 602892.1 | 349195.3 | 0.0 | S |
| 54.058 | 0.0000 | 0.0000 | 83.189 | 0.51623 | 0.00000 | 602892.1 | 349210.8 | 0.0 | S |
| 54.067 | 0.0000 | 0.0000 | 83.189 | 0.51615 | 0.00000 | 602892.1 | 349226.3 | 0.0 | S |
| 54.075 | 0.0000 | 0.0000 | 83.189 | 0.51607 | 0.00000 | 602892.1 | 349241.8 | 0.0 | S |
| 54.083 | 0.0000 | 0.0000 | 83.188 | 0.51599 | 0.00000 | 602892.1 | 349257.3 | 0.0 | S |
| 54.092 | 0.0000 | 0.0000 | 83.188 | 0.51590 | 0.00000 | 602892.1 | 349272.8 | 0.0 | S |
| 54.100 | 0.0000 | 0.0000 | 83.188 | 0.51582 | 0.00000 | 602892.1 | 349288.2 | 0.0 | S |
| 54.108 | 0.0000 | 0.0000 | 83.188 | 0.51574 | 0.00000 | 602892.1 | 349303.7 | 0.0 | S |
| 54.117 | 0.0000 | 0.0000 | 83.187 | 0.51566 | 0.00000 | 602892.1 | 349319.2 | 0.0 | S |
| 54.125 | 0.0000 | 0.0000 | 83.187 | 0.51558 | 0.00000 | 602892.1 | 349334.6 | 0.0 | S |
| 54.133 | 0.0000 | 0.0000 | 83.187 | 0.51550 | 0.00000 | 602892.1 | 349350.1 | 0.0 | S |
| 54.142 | 0.0000 | 0.0000 | 83.187 | 0.51541 | 0.00000 | 602892.1 | 349365.6 | 0.0 | S |
| 54.150 | 0.0000 | 0.0000 | 83.186 | 0.51533 | 0.00000 | 602892.1 | 349381.0 | 0.0 | S |
| 54.158 | 0.0000 | 0.0000 | 83.186 | 0.51525 | 0.00000 | 602892.1 | 349396.5 | 0.0 | S |
| 54.167 | 0.0000 | 0.0000 | 83.186 | 0.51517 | 0.00000 | 602892.1 | 349411.9 | 0.0 | S |
| 54.175 | 0.0000 | 0.0000 | 83.186 | 0.51509 | 0.00000 | 602892.1 | 349427.4 | 0.0 | S |
| 54.183 | 0.0000 | 0.0000 | 83.185 | 0.51500 | 0.00000 | 602892.1 | 349442.8 | 0.0 | S |
| 54.192 | 0.0000 | 0.0000 | 83.185 | 0.51492 | 0.00000 | 602892.1 | 349458.3 | 0.0 | S |
| 54.200 | 0.0000 | 0.0000 | 83.185 | 0.51484 | 0.00000 | 602892.1 | 349473.8 | 0.0 | S |
| 54.208 | 0.0000 | 0.0000 | 83.185 | 0.51476 | 0.00000 | 602892.1 | 349489.2 | 0.0 | S |
| 54.217 | 0.0000 | 0.0000 | 83.185 | 0.51468 | 0.00000 | 602892.1 | 349504.6 | 0.0 | S |
| 54.225 | 0.0000 | 0.0000 | 83.184 | 0.51460 | 0.00000 | 602892.1 | 349520.1 | 0.0 | S |
| 54.233 | 0.0000 | 0.0000 | 83.184 | 0.51451 | 0.00000 | 602892.1 | 349535.5 | 0.0 | S |
| 54.242 | 0.0000 | 0.0000 | 83.184 | 0.51443 | 0.00000 | 602892.1 | 349550.9 | 0.0 | S |
| 54.250 | 0.0000 | 0.0000 | 83.184 | 0.51435 | 0.00000 | 602892.1 | 349566.4 | 0.0 | S |
| 54.258 | 0.0000 | 0.0000 | 83.183 | 0.51427 | 0.00000 | 602892.1 | 349581.8 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{3 / s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | $\begin{gathered} \text { Cumulative } \\ \text { Snflow } \\ \text { Volume }\left(f^{3}\right) \\ \hline \end{gathered}$ | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumułative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 54.267 | 0.0000 | 0.0000 | 83.183 | 0.51419 | 0.00000 | 602892.1 | 349597.2 | 0.0 | S |
| 54.275 | 0.0000 | 0.0000 | 83.183 | 0.51411 | 0.00000 | 602892.1 | 349612.7 | 0.0 | S |
| 54.283 | 0.0000 | 0.0000 | 83.183 | 0.51403 | 0.00000 | 602892.1 | 349628.1 | 0.0 | S |
| 54.292 | 0.0000 | 0.0000 | 83.182 | 0.51394 | 0.00000 | 602892.1 | 349643.5 | 0.0 | S |
| 54.300 | 0.0000 | 0.0000 | 83.182 | 0.51386 | 0.00000 | 602892.1 | 349658.9 | 0.0 | S |
| 54.308 | 0.0000 | 0.0000 | 83.182 | 0.51378 | 0.00000 | 602892.1 | 349674.3 | 0.0 | S |
| 54.317 | 0.0000 | 0.0000 | 83.182 | 0.51370 | 0.00000 | 602892.1 | 349689.7 | 0.0 | S |
| 54.325 | 0.0000 | 0.0000 | 83.181 | 0.51362 | 0.00000 | 602892.1 | 349705.2 | 0.0 | S |
| 54.333 | 0.0000 | 0.0000 | 83.181 | 0.51354 | 0.00000 | 602892.1 | 349720.6 | 0.0 | S |
| 54.342 | 0.0000 | 0.0000 | 83.181 | 0.51346 | 0.00000 | 602892.1 | 349736.0 | 0.0 | S |
| 54.350 | 0.0000 | 0.0000 | 83.181 | 0.51338 | 0.00000 | 602892.1 | 349751.3 | 0.0 | S |
| 54.358 | 0.0000 | 0.0000 | 83.180 | 0.51329 | 0.00000 | 602892.1 | 349766.8 | 0.0 | S |
| 54.367 | 0.0000 | 0.0000 | 83.180 | 0.51321 | 0.00000 | 602892.1 | 349782.2 | 0.0 | S |
| 54.375 | 0.0000 | 0.0000 | 83.180 | 0.51313 | 0.00000 | 602892.1 | 349797.6 | 0.0 | S |
| 54.383 | 0.0000 | 0.0000 | 83.180 | 0.51305 | 0.00000 | 602892.1 | 349812.9 | 0.0 | S |
| 54.392 | 0.0000 | 0.0000 | 83.180 | 0.51297 | 0.00000 | 602892.1 | 349828.3 | 0.0 | S |
| 54.400 | 0.0000 | 0.0000 | 83.179 | 0.51289 | 0.00000 | 602892.1 | 349843.7 | 0.0 | S |
| 54.408 | 0.0000 | 0.0000 | 83.179 | 0.51281 | 0.00000 | 602892.1 | 349859.1 | 0.0 | S |
| 54.417 | 0.0000 | 0.0000 | 83.179 | 0.51273 | 0.00000 | 602892.1 | 349874.5 | 0.0 | S |
| 54.425 | 0.0000 | 0.0000 | 83.179 | 0.51265 | 0.00000 | 602892.1 | 349889.9 | 0.0 | S |
| 54.433 | 0.0000 | 0.0000 | 83.178 | 0.51257 | 0.00000 | 602892.1 | 349905.3 | 0.0 | S |
| 54.442 | 0.0000 | 0.0000 | 83.178 | 0.51249 | 0.00000 | 602892.1 | 349920.6 | 0.0 | S |
| 54.450 | 0.0000 | 0.0000 | 83.178 | 0.51240 | 0.00000 | 602892.1 | 349936.0 | 0.0 | S |
| 54.458 | 0.0000 | 0.0000 | 83.178 | 0.51232 | 0.00000 | 602892.1 | 349951.4 | 0.0 | S |
| 54.467 | 0.0000 | 0.0000 | 83.177 | 0.51224 | 0.00000 | 602892.1 | 349966.8 | 0.0 | S |
| 54.475 | 0.0000 | 0.0000 | 83.177 | 0.51216 | 0.00000 | 602892.1 | 349982.1 | 0.0 | S |
| 54.483 | 0.0000 | 0.0000 | 83.177 | 0.51208 | 0.00000 | 602892.1 | 349997.5 | 0.0 | S |
| 54.492 | 0.0000 | 0.0000 | 83.177 | 0.51200 | 0.00000 | 602892.1 | 350012.8 | 0.0 | S |
| 54.500 | 0.0000 | 0.0000 | 83.176 | 0.51192 | 0.00000 | 602892.1 | 350028.2 | 0.0 | S |
| 54.508 | 0.0000 | 0.0000 | 83.176 | 0.51184 | 0.00000 | 602892.1 | 350043.5 | 0.0 | S |
| 54.517 | 0.0000 | 0.0000 | 83.176 | 0.51176 | 0.00000 | 602892.1 | 350058.9 | 0.0 | S |
| 54.525 | 0.0000 | 0.0000 | 83.176 | 0.51168 | 0.00000 | 602892.1 | 350074.3 | 0.0 | S |
| 54.533 | 0.0000 | 0.0000 | 83.175 | 0.51160 | 0.00000 | 602892.1 | 350089.6 | 0.0 | S |
| 54.542 | 0.0000 | 0.0000 | 83.175 | 0.51152 | 0.00000 | 602892.1 | 350104.9 | 0.0 | S |
| 54.550 | 0.0000 | 0.0000 | 83.175 | 0.51144 | 0.00000 | 602892.1 | 350120.3 | 0.0 | S |
| 54.558 | 0.0000 | 0.0000 | 83.175 | 0.51136 | 0.00000 | 602892.1 | 350135.6 | 0.0 | S |
| 54.567 | 0.0000 | 0.0000 | 83.175 | 0.51128 | 0.00000 | 602892.1 | 350151.0 | 0.0 | S |
| 54.575 | 0.0000 | 0.0000 | 83.174 | 0.51120 | 0.00000 | 602892.1 | 350166.3 | 0.0 | S |
| 54.583 | 0.0000 | 0.0000 | 83.174 | 0.51112 | 0.00000 | 602892.1 | 350181.7 | 0.0 | S |
| 54.592 | 0.0000 | 0.0000 | 83.174 | 0.51103 | 0.00000 | 602892.1 | 350197.0 | 0.0 | S |
| 54.600 | 0.0000 | 0.0000 | 83.174 | 0.51095 | 0.00000 | 602892.1 | 350212.3 | 0.0 | S |
| 54.608 | 0.0000 | 0.0000 | 83.173 | 0.51087 | 0.00000 | 602892.1 | 350227.6 | 0.0 | S |
| 54.617 | 0.0000 | 0.0000 | 83.173 | 0.51079 | 0.00000 | 602892.1 | 350243.0 | 0.0 | S |
| 54.625 | 0.0000 | 0.0000 | 83.173 | 0.51071 | 0.00000 | 602892.1 | 350258.3 | 0.0 | S |
| 54.633 | 0.0000 | 0.0000 | 83.173 | 0.51063 | 0.00000 | 602892.1 | 350273.6 | 0.0 | S |
| 54.642 | 0.0000 | 0.0000 | 83.172 | 0.51055 | 0.00000 | 602892.1 | 350288.9 | 0.0 | S |
| 54.650 | 0.0000 | 0.0000 | 83.172 | 0.51047 | 0.00000 | 602892.1 | 350304.2 | 0.0 | S |
| 54.658 | 0.0000 | 0.0000 | 83.172 | 0.51039 | 0.00000 | 602892.1 | 350319.5 | 0.0 | S |
| 54.667 | 0.0000 | 0.0000 | 83.172 | 0.51031 | 0.00000 | 602892.1 | 350334.8 | 0.0 | S |
| 54.675 | 0.0000 | 0.0000 | 83.171 | 0.51023 | 0.00000 | 602892.1 | 350350.2 | 0.0 | S |
| 54.683 | 0.0000 | 0.0000 | 83.171 | 0.51015 | 0.00000 | 602892.1 | 350365.5 | 0.0 | S |
| 54.692 | 0.0000 | 0.0000 | 83.171 | 0.51007 | 0.00000 | 602892.1 | 350380.8 | 0.0 | S |
| 54.700 | 0.0000 | 0.0000 | 83.171 | 0.50999 | 0.00000 | 602892.1 | 350396.1 | 0.0 | S |
| 54.708 | 0.0000 | 0.0000 | 83.171 | 0.50991 | 0.00000 | 602892.1 | 350411.4 | 0.0 | S |
| 54.717 | 0.0000 | 0.0000 | 83.170 | 0.50983 | 0.00000 | 602892.1 | 350426.7 | 0.0 | S |
| 54.725 | 0.0000 | 0.0000 | 83.170 | 0.50975 | 0.00000 | 602892.1 | 350442.0 | 0.0 | S |
| 54.733 | 0.0000 | 0.0000 | 83.170 | 0.50967 | 0.00000 | 602892.1 | 350457.3 | 0.0 | S |
| 54.742 | 0.0000 | 0.0000 | 83.170 | 0.50959 | 0.00000 | 602892.1 | 350472.5 | 0.0 | S |
| 54.750 | 0.0000 | 0.0000 | 83.169 | 0.50951 | 0.00000 | 602892.1 | 350487.8 | 0.0 | S |
| 54.758 | 0.0000 | 0.0000 | 83.169 | 0.50943 | 0.00000 | 602892.1 | 350503.1 | 0.0 | S |
| 54.767 | 0.0000 | 0.0000 | 83.169 | 0.50935 | 0.00000 | 602892.1 | 350518.4 | 0.0 | S |
| 54.775 | 0.0000 | 0.0000 | 83.169 | 0.50927 | 0.00000 | 602892.1 | 350533.7 | 0.0 | S |
| 54.783 | 0.0000 | 0.0000 | 83.168 | 0.50919 | 0.00000 | 602892.1 | 350549.0 | 0.0 | S |
| 54.792 | 0.0000 | 0.0000 | 83.168 | 0.50911 | 0.00000 | 602892.1 | 350564.2 | 0.0 | S |
| 54.800 | 0.0000 | 0.0000 | 83.168 | 0.50904 | 0.00000 | 602892.1 | 350579.5 | 0.0 | S |
| 54.808 | 0.0000 | 0.0000 | 83.168 | 0.50896 | 0.00000 | 602892.1 | 350594.8 | 0.0 | S |
| 54.817 | 0.0000 | 0.0000 | 83.167 | 0.50888 | 0.00000 | 602892.1 | 350610.0 | 0.0 | S |
| 54.825 | 0.0000 | 0.0000 | 83.167 | 0.50880 | 0.00000 | 602892.1 | 350625.3 | 0.0 | S |
| 54.833 | 0.0000 | 0.0000 | 83.167 | 0.50872 | 0.00000 | 602892.1 | 350640.6 | 0.0 | S |
| 54.842 | 0.0000 | 0.0000 | 83.167 | 0.50864 | 0.00000 | 602892.1 | 350655.8 | 0.0 | S |
| 54.850 | 0.0000 | 0.0000 | 83.167 | 0.50856 | 0.00000 | 602892.1 | 350671.1 | 0.0 | S |
| 54.858 | 0.0000 | 0.0000 | 83.166 | 0.50848 | 0.00000 | 602892.1 | 350686.3 | 0.0 | S |
| 54.867 | 0.0000 | 0.0000 | 83.166 | 0.50840 | 0.00000 | 602892.1 | 350701.6 | 0.0 | S |
| 54.875 | 0.0000 | 0.0000 | 83.166 | 0.50832 | 0.00000 | 602892.1 | 350716.8 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year/24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow <br> Rate <br> ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infitration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow <br> Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Votume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 54.883 | 0.0000 | 0.0000 | 83.166 | 0.50824 | 0.00000 | 602892.1 | 350732.1 | 0.0 | S |
| 54.892 | 0.0000 | 0.0000 | 83.165 | 0.50816 | 0.00000 | 602892.1 | 350747.3 | 0.0 | S |
| 54.900 | 0.0000 | 0.0000 | 83.165 | 0.50808 | 0.00000 | 602892.1 | 350762.6 | 0.0 | S |
| 54.908 | 0.0000 | 0.0000 | 83.165 | 0.50800 | 0.00000 | 602892.1 | 350777.8 | 0.0 | S |
| 54.917 | 0.0000 | 0.0000 | 83.165 | 0.50792 | 0.00000 | 602892.1 | 350793.1 | 0.0 | S |
| 54.925 | 0.0000 | 0.0000 | 83.164 | 0.50784 | 0.00000 | 602892.1 | 350808.3 | 0.0 | S |
| 54.933 | 0.0000 | 0.0000 | 83.164 | 0.50776 | 0.00000 | 602892.1 | 350823.5 | 0.0 | S |
| 54.942 | 0.0000 | 0.0000 | 83.164 | 0.50768 | 0.00000 | 602892.1 | 350838.8 | 0.0 | S |
| 54.950 | 0.0000 | 0.0000 | 83.164 | 0.50761 | 0.00000 | 602892.1 | 350854.0 | 0.0 | S |
| 54.958 | 0.0000 | 0.0000 | 83.163 | 0.50753 | 0.00000 | 602892.1 | 350869.2 | 0.0 | S |
| 54.967 | 0.0000 | 0.0000 | 83.163 | 0.50745 | 0.00000 | 602892.1 | 350884.4 | 0.0 | S |
| 54.975 | 0.0000 | 0.0000 | 83.163 | 0.50737 | 0.00000 | 602892.1 | 350899.7 | 0.0 | S |
| 54.983 | 0.0000 | 0.0000 | 83.163 | 0.50729 | 0.00000 | 602892.1 | 350914.9 | 0.0 | S |
| 54.992 | 0.0000 | 0.0000 | 83.162 | 0.50721 | 0.00000 | 602892.1 | 350930.1 | 0.0 | S |
| 55.000 | 0.0000 | 0.0000 | 83.162 | 0.50713 | 0.00000 | 602892.1 | 350945.3 | 0.0 | S |
| 55.008 | 0.0000 | 0.0000 | 83.162 | 0.50705 | 0.00000 | 602892.1 | 350960.5 | 0.0 | S |
| 55.017 | 0.0000 | 0.0000 | 83.162 | 0.50697 | 0.00000 | 602892.1 | 350975.8 | 0.0 | S |
| 55.025 | 0.0000 | 0.0000 | 83.162 | 0.50689 | 0.00000 | 602892.1 | 350990.9 | 0.0 | S |
| 55.033 | 0.0000 | 0.0000 | 83.161 | 0.50682 | 0.00000 | 602892.1 | 351006.2 | 0.0 | S |
| 55.042 | 0.0000 | 0.0000 | 83.167 | 0.50674 | 0.00000 | 602892.1 | 351021.3 | 0.0 | S |
| 55.050 | 0.0000 | 0.0000 | 83.161 | 0.50666 | 0.00000 | 602892.1 | 351036.6 | 0.0 | S |
| 55.058 | 0.0000 | 0.0000 | 83.161 | 0.50658 | 0.00000 | 602892.1 | 351051.8 | 0.0 | S |
| 55.067 | 0.0000 | 0.0000 | 83.160 | 0.50650 | 0.00000 | 602892.1 | 351067.0 | 0.0 | S |
| 55.075 | 0.0000 | 0.0000 | 83.160 | 0.50642 | 0.00000 | 602892.1 | 351082.2 | 0.0 | S |
| 55.083 | 0.0000 | 0.0000 | 83.160 | 0.50634 | 0.00000 | 602892.1 | 351097.3 | 0.0 | S |
| 55.092 | 0.0000 | 0.0000 | 83.160 | 0.50626 | 0.00000 | 602892.1 | 351112.5 | 0.0 | S |
| 55.100 | 0.0000 | 0.0000 | 83.159 | 0.50619 | 0.00000 | 602892.1 | 351127.7 | 0.0 | S |
| 55.108 | 0.0000 | 0.0000 | 83.159 | 0.50611 | 0.00000 | 602892.1 | 351142.9 | 0.0 | S |
| 55.117 | 0.0000 | 0.0000 | 83.159 | 0.50603 | 0.00000 | 602892.1 | 351158.1 | 0.0 | S |
| 55.125 | 0.0000 | 0.0000 | 83.159 | 0.50595 | 0.00000 | 602892.1 | 351173.3 | 0.0 | S |
| 55.133 | 0.0000 | 0.0000 | 83.158 | 0.50587 | 0.00000 | 602892.1 | 351188.4 | 0.0 | S |
| 55.142 | 0.0000 | 0.0000 | 83.158 | 0.50579 | 0.00000 | 602892.1 | 351203.6 | 0.0 | S |
| 55.150 | 0.0000 | 0.0000 | 83.158 | 0.50571 | 0.00000 | 602892.1 | 351218.8 | 0.0 | S |
| 55.158 | 0.0000 | 0.0000 | 83.158 | 0.50564 | 0.00000 | 602892.1 | 351234.0 | 0.0 | S |
| 55.167 | 0.0000 | 0.0000 | 83.158 | 0.50556 | 0.00000 | 602892.1 | 351249.1 | 0.0 | S |
| 55.175 | 0.0000 | 0.0000 | 83.157 | 0.50548 | 0.00000 | 602892.1 | 351264.3 | 0.0 | S |
| 55.183 | 0.0000 | 0.0000 | 83.157 | 0.50540 | 0.00000 | 602892.1 | 351279.5 | 0.0 | S |
| 55.192 | 0.0000 | 0.0000 | 83.157 | 0.50532 | 0.00000 | 602892.1 | 351294.6 | 0.0 | S |
| 55.200 | 0.0000 | 0.0000 | 83.157 | 0.50524 | 0.00000 | 602892.1 | 351309.8 | 0.0 | S |
| 55.208 | 0.0000 | 0.0000 | 83.156 | 0.50516 | 0.00000 | 602892.1 | 351324.9 | 0.0 | S |
| 55.217 | 0.0000 | 0.0000 | 83.156 | 0.50509 | 0.00000 | 602892.1 | 351340.1 | 0.0 | S |
| 55.225 | 0.0000 | 0.0000 | 83.156 | 0.50501 | 0.00000 | 602892.1 | 351355.2 | 0.0 | S |
| 55.233 | 0.0000 | 0.0000 | 83,156 | 0.50493 | 0.00000 | 602892.1 | 351370.4 | 0.0 | S |
| 55.242 | 0.0000 | 0.0000 | 83.155 | 0.50485 | 0.00000 | 602892.1 | 351385.5 | 0.0 | S |
| 55.250 | 0.0000 | 0.0000 | 83.155 | 0.50477 | 0.00000 | 602892.1 | 351400.7 | 0.0 | S |
| 55.258 | 0.0000 | 0.0000 | 83.155 | 0.50470 | 0.00000 | 602892.1 | 351415.8 | 0.0 | S |
| 55.267 | 0.0000 | 0.0000 | 83.155 | 0.50462 | 0.00000 | 602892.1 | 351431.0 | 0.0 | S |
| 55.275 | 0.0000 | 0.0000 | 83.155 | 0.50454 | 0.00000 | 602892.1 | 351446.1 | 0.0 | S |
| 55.283 | 0.0000 | 0.0000 | 83.154 | 0.50446 | 0.00000 | 602892.1 | 351461.2 | 0.0 | S |
| 55.292 | 0.0000 | 0.0000 | 83.154 | 0.50438 | 0.00000 | 602892.1 | 351476.4 | 0.0 | S |
| 55.300 | 0.0000 | 0.0000 | 83.154 | 0.50430 | 0.00000 | 602892.1 | 351491.5 | 0.0 | S |
| 55.308 | 0.0000 | 0.0000 | 83.154 | 0.50423 | 0.00000 | 602892.1 | 351506.6 | 0.0 | S |
| 55.317 | 0.0000 | 0.0000 | 83.153 | 0.50415 | 0.00000 | 602892.1 | 351521.8 | 0.0 | S |
| 55.325 | 0.0000 | 0.0000 | 83.153 | 0.50407 | 0.00000 | 602892.1 | 351536.9 | 0.0 | S |
| 55.333 | 0.0000 | 0.0000 | 83.153 | 0.50399 | 0.00000 | 602892.1 | 351552.0 | 0.0 | S |
| 55.342 | 0.0000 | 0.0000 | 83.153 | 0.50391 | 0.00000 | 602892.1 | 351567.1 | 0.0 | S |
| 55.350 | 0.0000 | 0.0000 | 83.152 | 0.50384 | 0.00000 | 602892.1 | 351582.2 | 0.0 | S |
| 55.358 | 0.0000 | 0.0000 | 83.152 | 0.50376 | 0.00000 | 602892.1 | 351597.3 | 0.0 | S |
| 55.367 | 0.0000 | 0.0000 | 83.152 | 0.50368 | 0.00000 | 602892.1 | 351612.4 | 0.0 | S |
| 55.375 | 0.0000 | 0.0000 | 83.152 | 0.50360 | 0.00000 | 602892.1 | 351627.6 | 0.0 | S |
| 55.383 | 0.0000 | 0.0000 | 83.151 | 0.50353 | 0.00000 | 602892.1 | 351642.7 | 0.0 | S |
| 55.392 | 0.0000 | 0.0000 | 83.151 | 0.50345 | 0.00000 | 602892.1 | 351657.8 | 0.0 | S |
| 55.400 | 0.0000 | 0.0000 | 83.154 | 0.50337 | 0.00000 | 602892.1 | 351672.9 | 0.0 | S |
| 55.408 | 0.0000 | 0.0000 | 83.151 | 0.50329 | 0.00000 | 602892.1 | 351688.0 | 0.0 | S |
| 55.417 | 0.0000 | 0.0000 | 83.151 | 0.50321 | 0.00000 | 602892.1 | 351703.1 | 0.0 | S |
| 55.425 | 0.0000 | 0.0000 | 83.150 | 0.50314 | 0.00000 | 602892.1 | 351718.2 | 0.0 | S |
| 55.433 | 0.0000 | 0.0000 | 83.150 | 0.50306 | 0.00000 | 602892.1 | 351733.3 | 0.0 | S |
| 55.442 | 0.0000 | 0.0000 | 83.150 | 0.50298 | 0.00000 | 602892.1 | 351748.3 | 0.0 | S |
| 55.450 | 0.0000 | 0.0000 | 83.150 | 0.50290 | 0.00000 | 602892.1 | 351763.4 | 0.0 | S |
| 55.458 | 0.0000 | 0.0000 | 83.149 | 0.50283 | 0.00000 | 602892.1 | 351778.5 | 0.0 | S |
| 55.467 | 0.0000 | 0.0000 | 83.149 | 0.50275 | 0.00000 | 602892.1 | 351793.6 | 0.0 | S |
| 55.475 | 0.0000 | 0.0000 | 83.149 | 0.50267 | 0.00000 | 602892.1 | 351808.7 | 0.0 | S |
| 55.483 | 0.0000 | 0.0000 | 83.149 | 0.50259 | 0.00000 | 602892.1 | 351823.8 | 0.0 | S |
| 55.492 | 0.0000 | 0.0000 | 83.148 | 0.50252 | 0.00000 | 602892.1 | 351838.8 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (f/day) | Stage Elevation (fl datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overfiow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 55.500 | 0.0000 | 0.0000 | 83.148 | 0.50244 | 0.00000 | 602892.1 | 351853.9 | 0.0 | S |
| 55.508 | 0.0000 | 0.0000 | 83.148 | 0.50236 | 0.00000 | 602892.1 | 351869.0 | 0.0 | S |
| 55.517 | 0.0000 | 0.0000 | 83.148 | 0.50228 | 0.00000 | 602892.1 | 351884.1 | 0.0 | S |
| 55.525 | 0.0000 | 0.0000 | 83.147 | 0.50221 | 0.00000 | 602892.1 | 351899.1 | 0.0 | S |
| 55.533 | 0.0000 | 0.0000 | 83.147 | 0.50213 | 0.00000 | 602892.1 | 351914.2 | 0.0 | S |
| 55.542 | 0.0000 | 0.0000 | 83.147 | 0.50205 | 0.00000 | 602892.1 | 351929.3 | 0.0 | S |
| 55.550 | 0.0000 | 0.0000 | 83.147 | 0.50198 | 0.00000 | 602892.1 | 351944.3 | 0.0 | S |
| 55.558 | 0.0000 | 0.0000 | 83.147 | 0.50190 | 0.00000 | 602892.1 | 351959.4 | 0.0 | S |
| 55.567 | 0.0000 | 0.0000 | 83.146 | 0.50182 | 0.00000 | 602892.1 | 351974.4 | 0.0 | S |
| 55.575 | 0.0000 | 0.0000 | 83.146 | 0.50174 | 0.00000 | 602892.1 | 351989.5 | 0.0 | S |
| 55.583 | 0.0000 | 0.0000 | 83.146 | 0.50167 | 0.00000 | 602892.1 | 352004.5 | 0.0 | S |
| 55.592 | 0.0000 | 0.0000 | 83.146 | 0.50159 | 0.00000 | 602892.1 | 352019.6 | 0.0 | S |
| 55.600 | 0.0000 | 0.0000 | 83.145 | 0.50151 | 0.00000 | 602892.1 | 352034.6 | 0.0 | S |
| 55.608 | 0.0000 | 0.0000 | 83.145 | 0.50143 | 0.00000 | 602892.1 | 352049.7 | 0.0 | S |
| 55.617 | 0.0000 | 0.0000 | 83.145 | 0.50136 | 0.00000 | 602892.1 | 352064.7 | 0.0 | S |
| 55.625 | 0.0000 | 0.0000 | 83.145 | 0.50128 | 0.00000 | 602892.1 | 352079.8 | 0.0 | S |
| 55.633 | 0.0000 | 0.0000 | 83.144 | 0.50120 | 0.00000 | 602892.1 | 352094.8 | 0.0 | S |
| 55.642 | 0.0000 | 0.0000 | 83.144 | 0.50113 | 0.00000 | 602892.1 | 352109.8 | 0.0 | S |
| 55.650 | 0.0000 | 0.0000 | 83.144 | 0.50105 | 0.00000 | 602892.1 | 352124.9 | 0.0 | S |
| 55.658 | 0.0000 | 0.0000 | 83.144 | 0.50097 | 0.00000 | 602892.1 | 352139.9 | 0.0 | S |
| 55.667 | 0.0000 | 0.0000 | 83.144 | 0.50090 | 0.00000 | 602892.1 | 352154.9 | 0.0 | S |
| 55.675 | 0.0000 | 0.0000 | 83.143 | 0.50082 | 0.00000 | 602892.1 | 352169.9 | 0.0 | S |
| 55.683 | 0.0000 | 0.0000 | 83.143 | 0.50074 | 0.00000 | 602892.1 | 352185.0 | 0.0 | S |
| 55.692 | 0.0000 | 0.0000 | 83,143 | 0.50067 | 0.00000 | 602892.1 | 352200.0 | 0.0 | S |
| 55.700 | 0.0000 | 0.0000 | 83.143 | 0.50059 | 0.00000 | 602892.1 | 352215.0 | 0.0 | S |
| 55.708 | 0.0000 | 0.0000 | 83.142 | 0.50051 | 0.00000 | 602892.1 | 352230.0 | 0.0 | S |
| 55.717 | 0.0000 | 0.0000 | 83.142 | 0.50043 | 0.00000 | 602892.1 | 352245.0 | 0.0 | S |
| 55.725 | 0.0000 | 0.0000 | 83.142 | 0.50036 | 0.00000 | 602892.1 | 352260.1 | 0.0 | S |
| 55.733 | 0.0000 | 0.0000 | 83.142 | 0.50028 | 0.00000 | 602892.1 | 352275.1 | 0.0 | S |
| 55.742 | 0.0000 | 0.0000 | 83.141 | 0.50020 | 0.00000 | 602892.1 | 352290.1 | 0.0 | S |
| 55.750 | 0.0000 | 0.0000 | 83.141 | 0.50013 | 0.00000 | 602892.1 | 352305.1 | 0.0 | S |
| 55.758 | 0.0000 | 0.0000 | 83.141 | 0.50005 | 0.00000 | 602892.1 | 352320.1 | 0.0 | S |
| 55.767 | 0.0000 | 0.0000 | 83.141 | 0.49997 | 0.00000 | 602892.1 | 352335.1 | 0.0 | S |
| 55.775 | 0.0000 | 0.0000 | 83.140 | 0.49990 | 0.00000 | 602882.1 | 352350.1 | 0.0 | S |
| 55.783 | 0.0000 | 0.0000 | 83.140 | 0.49982 | 0.00000 | 602892.1 | 352365.1 | 0.0 | S |
| 55.792 | 0.0000 | 0.0000 | 83.140 | 0.49975 | 0.00000 | 602892.1 | 352380.1 | 0.0 | S |
| 55.800 | 0.0000 | 0.0000 | 83.140 | 0.49967 | 0.00000 | 602892.1 | 352395.1 | 0.0 | S |
| 55.808 | 0.0000 | 0.0000 | 83.140 | 0.49959 | 0.00000 | 602892.1 | 352410.0 | 0.0 | S |
| 55.817 | 0.0000 | 0.0000 | 83.139 | 0.49952 | 0.00000 | 602892.1 | 352425.0 | 0.0 | S |
| 55.825 | 0.0000 | 0.0000 | 83.139 | 0.49944 | 0.00000 | 602892.1 | 352440.0 | 0.0 | S |
| 55.833 | 0.0000 | 0.0000 | 83.139 | 0.49936 | 0.00000 | 602892.1 | 352455.0 | 0.0 | S |
| 55.842 | 0.0000 | 0.0000 | 83.139 | 0.49929 | 0.00000 | 602892.1 | 352470.0 | 0.0 | S |
| 55.850 | 0.0000 | 0.0000 | 83.138 | 0.49921 | 0.00000 | 602892.1 | 352484.9 | 0.0 | S |
| 55.858 | 0.0000 | 0.0000 | 83.138 | 0.49913 | 0.00000 | 602892.1 | 352499.9 | 0.0 | S |
| 55.867 | 0.0000 | 0.0000 | 83.138 | 0.49906 | 0.00000 | 602892.1 | 352514.9 | 0.0 | S |
| 55.875 | 0.0000 | 0.0000 | 83.138 | 0.49898 | 0.00000 | 602892.1 | 352529.9 | 0.0 | S |
| 55.883 | 0.0000 | 0.0000 | 83.137 | 0.49891 | 0.00000 | 602892.1 | 352544.8 | 0.0 | S |
| 55.892 | 0.0000 | 0.0000 | 83.137 | 0.49883 | 0.00000 | 602892.1 | 352559.8 | 0.0 | S |
| 55.900 | 0.0000 | 0.0000 | 83.137 | 0.49875 | 0.00000 | 602892.1 | 352574.8 | 0.0 | S |
| 55.908 | 0.0000 | 0.0000 | 83.137 | 0.49868 | 0.00000 | 602892.1 | 352589.7 | 0.0 | S |
| 55.917 | 0.0000 | 0.0000 | 83.137 | 0.49860 | 0.00000 | 602892.1 | 352604.7 | 0.0 | S |
| 55.925 | 0.0000 | 0.0000 | 83.136 | 0.49852 | 0.00000 | 602892.1 | 352619.7 | 0.0 | S |
| 55.933 | 0.0000 | 0.0000 | 83.136 | 0.49845 | 0.00000 | 602892.1 | 352634.6 | 0.0 | S |
| 55.942 | 0.0000 | 0.0000 | 83.136 | 0.49837 | 0.00000 | 602892.1 | 352649.6 | 0.0 | S |
| 55.950 | 0.0000 | 0.0000 | 83.136 | 0.49830 | 0.00000 | 602892.1 | 352664.5 | 0.0 | S |
| 55.958 | 0.0000 | 0.0000 | 83.135 | 0.49822 | 0.00000 | 602892.1 | 352679.4 | 0.0 | S |
| 55.967 | 0.0000 | 0.0000 | 83.135 | 0.49814 | 0.00000 | 602892.1 | 352694.4 | 0.0 | S |
| 55.975 | 0.0000 | 0.0000 | 83.135 | 0.49807 | 0.00000 | 602892.1 | 352709.3 | 0.0 | S |
| 55.983 | 0.0000 | 0.0000 | 83.135 | 0.49799 | 0.00000 | 602892.1 | 352724.3 | 0.0 | S |
| 55.992 | 0.0000 | 0.0000 | 83.134 | 0.49792 | 0.00000 | 602892.1 | 352739.2 | 0.0 | S |
| 56.000 | 0.0000 | 0.0000 | 83.134 | 0.49784 | 0.00000 | 602892.1 | 352754.2 | 0.0 | S |
| 56.008 | 0.0000 | 0.0000 | 83.134 | 0.49776 | 0.00000 | 602892.1 | 352769.1 | 0.0 | S |
| 56.017 | 0.0000 | 0.0000 | 83.134 | 0.49769 | 0.00000 | 602892.1 | 352784.0 | 0.0 | S |
| 56.025 | 0.0000 | 0.0000 | 83.134 | 0.49761 | 0.00000 | 602892.1 | 352798.9 | 0.0 | S |
| 56.033 | 0.0000 | 0.0000 | 83.133 | 0.49754 | 0.00000 | 602892.1 | 352813.9 | 0.0 | S |
| 56.042 | 0.0000 | 0.0000 | 83.133 | 0.49746 | 0.00000 | 602892.1 | 352828.8 | 0.0 | S |
| 56.050 | 0.0000 | 0.0000 | 83.133 | 0.49739 | 0.00000 | 602892.1 | 352843.7 | 0.0 | S |
| 56.058 | 0.0000 | 0.0000 | 83.133 | 0.49731 | 0.00000 | 602892.1 | 352858.7 | 0.0 | S |
| 56.067 | 0.0000 | 0.0000 | 83.132 | 0.49723 | 0.00000 | 602892.1 | 352873.6 | 0.0 | S |
| 56.075 | 0.0000 | 0.0000 | 83.132 | 0.49716 | 0.00000 | 602892.1 | 352888.5 | 0.0 | S |
| 56.083 | 0.0000 | 0.0000 | 83.132 | 0.49708 | 0.00000 | 602892.1 | 352903.4 | 0.0 | S |
| 56.092 | 0.0000 | 0.0000 | 83.132 | 0.49701 | 0.00000 | 602892.1 | 352918.3 | 0.0 | S |
| 56.100 | 0.0000 | 0.0000 | 83.131 | 0.49693 | 0.00000 | 602892.1 | 352933.2 | 0.0 | S |
| 56.108 | 0.0000 | 0.0000 | 83.131 | 0.49686 | 0.00000 | 602892.1 | 352948.1 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario $1::$ pond 9100 year $/ 24$ hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (f/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 56.117 | 0.0000 | 0.0000 | 83.131 | 0.49678 | 0.00000 | 602892.1 | 352963.0 | 0.0 | S |
| 56.125 | 0.0000 | 0.0000 | 83.131 | 0.49670 | 0.00000 | 602892.1 | 352977.9 | 0.0 | S |
| 56.133 | 0.0000 | 0.0000 | 83.131 | 0.49663 | 0.00000 | 602892.1 | 352992.8 | 0.0 | S |
| 56.142 | 0.0000 | 0.0000 | 83.130 | 0.49655 | 0.00000 | 602892.1 | 353007.7 | 0.0 | S |
| 56.150 | 0.0000 | 0.0000 | 83.130 | 0.49648 | 0.00000 | 602892.1 | 353022.6 | 0.0 | S |
| 56.158 | 0.0000 | 0.0000 | 83.130 | 0.49640 | 0.00000 | 602892.1 | 353037.5 | 0.0 | S |
| 56.167 | 0.0000 | 0.0000 | 83.130 | 0.49633 | 0.00000 | 602892.1 | 353052.4 | 0.0 | S |
| 56.175 | 0.0000 | 0.0000 | 83.129 | 0.49625 | 0.00000 | 602892.1 | 353067.3 | 0.0 | S |
| 56.183 | 0.0000 | 0.0000 | 83.129 | 0.49618 | 0.00000 | 602892.1 | 353082.2 | 0.0 | S |
| 56.192 | 0.0000 | 0.0000 | 83.129 | 0.49610 | 0.00000 | 602892.1 | 353097.1 | 0.0 | S |
| 56.200 | 0.0000 | 0.0000 | 83.129 | 0.49603 | 0.00000 | 602892.1 | 353111.9 | 0.0 | S |
| 56.208 | 0.0000 | 0.0000 | 83.128 | 0.49595 | 0.00000 | 602892.1 | 353126.8 | 0.0 | S |
| 56.217 | 0.0000 | 0.0000 | 83.128 | 0.49588 | 0.00000 | 602892.1 | 353141.7 | 0.0 | S |
| 56.225 | 0.0000 | 0.0000 | 83.128 | 0.49580 | 0.00000 | 602892.1 | 353156.6 | 0.0 | S |
| 56.233 | 0.0000 | 0.0000 | 83.128 | 0.49573 | 0.00000 | 602892.1 | 353171.4 | 0.0 | S |
| 56.242 | 0.0000 | 0.0000 | 83.127 | 0.49565 | 0.00000 | 602892.1 | 353186.3 | 0.0 | S |
| 56.250 | 0.0000 | 0.0000 | 83.127 | 0.49558 | 0.00000 | 602892.1 | 353201.2 | 0.0 | S |
| 56.258 | 0.0000 | 0.0000 | 83.127 | 0.49550 | 0.00000 | 602892.1 | 353216.1 | 0.0 | S |
| 56.267 | 0.0000 | 0.0000 | 83.127 | 0.49542 | 0.00000 | 602892.1 | 353230.9 | 0.0 | S |
| 56.275 | 0.0000 | 0.0000 | 83.127 | 0.49535 | 0.00000 | 602892.1 | 353245.8 | 0.0 | S |
| 56.283 | 0.0000 | 0.0000 | 83.126 | 0.49527 | 0.00000 | 602892.1 | 353260.7 | 0.0 | S |
| 56.292 | 0.0000 | 0.0000 | 83.126 | 0.49520 | 0.00000 | 602892.1 | 353275.5 | 0.0 | S |
| 56.300 | 0.0000 | 0.0000 | 83.126 | 0.49512 | 0.00000 | 602892.1 | 353290.3 | 0.0 | S |
| 56.308 | 0.0000 | 0.0000 | 83.126 | 0.49505 | 0.00000 | 602892.1 | 353305.2 | 0.0 | S |
| 56.317 | 0.0000 | 0.0000 | 83.125 | 0.49497 | 0.00000 | 602892.1 | 353320.1 | 0.0 | S |
| 56.325 | 0.0000 | 0.0000 | 83.125 | 0.49490 | 0.00000 | 602892.1 | 353334.9 | 0.0 | S |
| 56.333 | 0.0000 | 0.0000 | 83.125 | 0.49482 | 0.00000 | 602892.1 | 353349.8 | 0.0 | S |
| 56.342 | 0.0000 | 0.0000 | 83.125 | 0.49475 | 0.00000 | 602892.1 | 353364.6 | 0.0 | S |
| 56.350 | 0.0000 | 0.0000 | 83.125 | 0.49468 | 0.00000 | 602892.1 | 353379.4 | 0.0 | S |
| 56.358 | 0.0000 | 0.0000 | 83.124 | 0.49460 | 0.00000 | 602892.1 | 353394.3 | 0.0 | S |
| 56.367 | 0.0000 | 0.0000 | 83.124 | 0.49453 | 0.00000 | 602892.1 | 353409.1 | 0.0 | S |
| 56.375 | 0.0000 | 0.0000 | 83.124 | 0.49445 | 0.00000 | 602892.1 | 353423.9 | 0.0 | S |
| 56.383 | 0.0000 | 0.0000 | 83.124 | 0.49438 | 0.00000 | 602892.1 | 353438.8 | 0.0 | S |
| 56.392 | 0.0000 | 0.0000 | 83.123 | 0.49430 | 0.00000 | 602892.1 | 353453.6 | 0.0 | S |
| 56.400 | 0.0000 | 0.0000 | 83.123 | 0.49423 | 0.00000 | 602892.1 | 353468.4 | 0.0 | S |
| 56.408 | 0.0000 | 0.0000 | 83.123 | 0.49415 | 0.00000 | 602892.1 | 353483.3 | 0.0 | S |
| 56.417 | 0.0000 | 0.0000 | 83.123 | 0.49408 | 0.00000 | 602892.1 | 353498.1 | 0.0 | S |
| 56.425 | 0.0000 | 0.0000 | 83.122 | 0.49400 | 0.00000 | 602892.1 | 353512.9 | 0.0 | S |
| 56.433 | 0.0000 | 0.0000 | 83.122 | 0.49393 | 0.00000 | 602892.1 | 353527.7 | 0.0 | S |
| 56.442 | 0.0000 | 0.0000 | 83.122 | 0.49385 | 0.00000 | 602892.1 | 353542.5 | 0.0 | S |
| 56.450 | 0.0000 | 0.0000 | 83.122 | 0.49378 | 0.00000 | 602892.1 | 353557.3 | 0.0 | S |
| 56.458 | 0.0000 | 0.0000 | 83.122 | 0.49370 | 0.00000 | 602892.1 | 353572.2 | 0.0 | S |
| 56.467 | 0.0000 | 0.0000 | 83.121 | 0.49363 | 0.00000 | 602892.1 | 353587.0 | 0.0 | S |
| 56.475 | 0.0000 | 0.0000 | 83.121 | 0.49356 | 0.00000 | 602892.1 | 353601.8 | 0.0 | S |
| 56.483 | 0.0000 | 0.0000 | 83.121 | 0.49348 | 0.00000 | 602892.1 | 353616.6 | 0.0 | S |
| 56.492 | 0.0000 | 0.0000 | 83.121 | 0.49341 | 0.00000 | 602892.1 | 353631.4 | 0.0 | S |
| 56.500 | 0.0000 | 0.0000 | 83.120 | 0.49333 | 0.00000 | 602892.1 | 353646.2 | 0.0 | S |
| 56.508 | 0.0000 | 0.0000 | 83.120 | 0.49326 | 0.00000 | 602892.1 | 353661.0 | 0.0 | S |
| 56.517 | 0.0000 | 0.0000 | 83.120 | 0.49318 | 0.00000 | 602892.1 | 353675.8 | 0.0 | S |
| 56.525 | 0.0000 | 0.0000 | 83.120 | 0.49311 | 0.00000 | 602892.1 | 353690.6 | 0.0 | S |
| 56.533 | 0.0000 | 0.0000 | 83.119 | 0.49303 | 0.00000 | 602892.1 | 353705.4 | 0.0 | S |
| 56.542 | 0.0000 | 0.0000 | 83.119 | 0.49296 | 0.00000 | 602892.1 | 353720.2 | 0.0 | S |
| 56.550 | 0.0000 | 0.0000 | 83.119 | 0.49289 | 0.00000 | 602892.1 | 353735.0 | 0.0 | S |
| 56.558 | 0.0000 | 0.0000 | 83.119 | 0.49281 | 0.00000 | 602892.1 | 353749.8 | 0.0 | S |
| 56.567 | 0.0000 | 0.0000 | 83.119 | 0.49274 | 0.00000 | 602892.1 | 353764.5 | 0.0 | S |
| 56.575 | 0.0000 | 0.0000 | 83.118 | 0.49266 | 0.00000 | 602892.1 | 353779.3 | 0.0 | S |
| 56.583 | 0.0000 | 0.0000 | 83.118 | 0.49259 | 0.00000 | 602892.1 | 353794.1 | 0.0 | S |
| 56.592 | 0.0000 | 0.0000 | 83.118 | 0.49252 | 0.00000 | 602892.1 | 353808.9 | 0.0 | S |
| 56.600 | 0.0000 | 0.0000 | 83.118 | 0.49244 | 0.00000 | 602892.1 | 353823.6 | 0.0 | S |
| 56.608 | 0.0000 | 0.0000 | 83.117 | 0.49237 | 0.00000 | 602892.1 | 353838.4 | 0.0 | S |
| 56.617 | 0.0000 | 0.0000 | 83.117 | 0.49229 | 0.00000 | 602892.1 | 353853.2 | 0.0 | S |
| 56.625 | 0.0000 | 0.0000 | 83.117 | 0.49222 | 0.00000 | 602892.1 | 353867.9 | 0.0 | S |
| 56.633 | 0.0000 | 0.0000 | 83.117 | 0.49214 | 0.00000 | 602892.1 | 353882.7 | 0.0 | S |
| 56.642 | 0.0000 | 0.0000 | 83.116 | 0.49207 | 0.00000 | 602892.1 | 353897.5 | 0.0 | S |
| 56.650 | 0.0000 | 0.0000 | 83.116 | 0.49200 | 0.00000 | 602892.1 | 353912.3 | 0.0 | S |
| 56.658 | 0.0000 | 0.0000 | 83.116 | 0.49192 | 0.00000 | 602892.1 | 353927.0 | 0.0 | S |
| 56.667 | 0.0000 | 0.0000 | 83.116 | 0.49185 | 0.00000 | 602892.1 | 353941.8 | 0.0 | S |
| 56.675 | 0.0000 | 0.0000 | 83.116 | 0.49178 | 0.00000 | 602892.1 | 353956.5 | 0.0 | S |
| 56.683 | 0.0000 | 0.0000 | 83.115 | 0.49170 | 0.00000 | 602892.1 | 353971.3 | 0.0 | S |
| 56.692 | 0.0000 | 0.0000 | 83.115 | 0.49163 | 0.00000 | 602892.1 | 353986.0 | 0.0 | S |
| 56.700 | 0.0000 | 0.0000 | 83.115 | 0.49155 | 0.00000 | 602892.1 | 354000.8 | 0.0 | S |
| 56.708 | 0.0000 | 0.0000 | 83.115 | 0.49148 | 0.00000 | 602892.1 | 354015.5 | 0.0 | S |
| 56.717 | 0.0000 | 0.0000 | 83.114 | 0.49141 | 0.00000 | 602892.1 | 354030.3 | 0.0 | S |
| 56.725 | 0.0000 | 0.0000 | 83.114 | 0.49133 | 0.00000 | 602892.1 | 354045.0 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{3} / \mathrm{s}$ ) | Outside Recharge (fl/day) | Stage Elevation ( 1 datum) | Infiltration Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Overiow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 56.733 | 0.0000 | 0.0000 | 83.114 | 0.49126 | 0.00000 | 602892.1 | 354059.7 | 0.0 | S |
| 56.742 | 0.0000 | 0.0000 | 83.114 | 0.49118 | 0.00000 | 602892.1 | 354074.5 | 0.0 | S |
| 56.750 | 0.0000 | 0.0000 | 83.113 | 0.49111 | 0.00000 | 602892.1 | 354089.2 | 0.0 | S |
| 56.758 | 0.0000 | 0.0000 | 83.113 | 0.49104 | 0.00000 | 602892.1 | 354103.9 | 0.0 | S |
| 56.767 | 0.0000 | 0.0000 | 83.113 | 0.49096 | 0.00000 | 602892.1 | 354118.7 | 0.0 | S |
| 56.775 | 0.0000 | 0.0000 | 83.113 | 0.49089 | 0.00000 | 602892.1 | 354133.4 | 0.0 | S |
| 56.783 | 0.0000 | 0.0000 | 83.113 | 0.49082 | 0.00000 | 602892.1 | 354148.1 | 0.0 | S |
| 56.792 | 0.0000 | 0.0000 | 83.112 | 0.49074 | 0.00000 | 602892.1 | 354162.8 | 0.0 | S |
| 56.800 | 0.0000 | 0.0000 | 83.112 | 0.49067 | 0.00000 | 602892.1 | 354177.6 | 0.0 | S |
| 56.808 | 0.0000 | 0.0000 | 83.112 | 0.49060 | 0.00000 | 602892.1 | 354192.3 | 0.0 | S |
| 56.817 | 0.0000 | 0.0000 | 83.112 | 0.49052 | 0.00000 | 602892.1 | 354207.0 | 0.0 | S |
| 56.825 | 0.0000 | 0.0000 | 83.111 | 0.49045 | 0.00000 | 602892.1 | 354221.7 | 0.0 | S |
| 56.833 | 0.0000 | 0.0000 | 83.111 | 0.49038 | 0.00000 | 602892.1 | 354236.4 | 0.0 | S |
| 56.842 | 0.0000 | 0.0000 | 83.111 | 0.49030 | 0.00000 | 602892.1 | 354251.1 | 0.0 | S |
| 56.850 | 0.0000 | 0.0000 | 83.111 | 0.49023 | 0.00000 | 602892.1 | 354265.8 | 0.0 | S |
| 56.858 | 0.0000 | 0.0000 | 83.110 | 0.49016 | 0.00000 | 602892.1 | 354280.5 | 0.0 | S |
| 56.867 | 0.0000 | 0.0000 | 83.110 | 0.49008 | 0.00000 | 602892.1 | 354295.3 | 0.0 | S |
| 56.875 | 0.0000 | 0.0000 | 83.110 | 0.49001 | 0.00000 | 602892.1 | 354309.9 | 0.0 | S |
| 56.883 | 0.0000 | 0.0000 | 83.110 | 0.48994 | 0.00000 | 602892.1 | 354324.7 | 0.0 | S |
| 56.892 | 0.0000 | 0.0000 | 83.110 | 0.48986 | 0.00000 | 602892.1 | 354339.3 | 0.0 | S |
| 56.900 | 0.0000 | 0.0000 | 83.109 | 0.48979 | 0.00000 | 602892.1 | 354354.0 | 0.0 | S |
| 56.908 | 0.0000 | 0.0000 | 83.109 | 0.48972 | 0.00000 | 602892.1 | 354368.7 | 0.0 | S |
| 56.917 | 0.0000 | 0.0000 | 83.109 | 0.48964 | 0.00000 | 602892.1 | 354383.4 | 0.0 | S |
| 56.925 | 0.0000 | 0.0000 | 83.109 | 0.48957 | 0.00000 | 602892.1 | 354398.1 | 0.0 | S |
| 56.933 | 0.0000 | 0.0000 | 83.108 | 0.48950 | 0.00000 | 602892.1 | 354412.8 | 0.0 | S |
| 56.942 | 0.0000 | 0.0000 | 83.108 | 0.48942 | 0.00000 | 602892.1 | 354427.5 | 0.0 | S |
| 56.950 | 0.0000 | 0.0000 | 83.108 | 0.48935 | 0.00000 | 602892.1 | 354442.2 | 0.0 | S |
| 56.958 | 0.0000 | 0.0000 | 83.108 | 0.48928 | 0.00000 | 602892.1 | 354456.8 | 0.0 | S |
| 56.967 | 0.0000 | 0.0000 | 83.108 | 0.48920 | 0.00000 | 602892.1 | 354471.5 | 0.0 | S |
| 56.975 | 0.0000 | 0.0000 | 83.107 | 0.48913 | 0.00000 | 602892.1 | 354486.2 | 0.0 | S |
| 56.983 | 0.0000 | 0.0000 | 83.107 | 0.48906 | 0.00000 | 602892.1 | 354500.9 | 0.0 | S |
| 56.992 | 0.0000 | 0.0000 | 83.107 | 0.48898 | 0.00000 | 602892.1 | 354515.5 | 0.0 | S |
| 57.000 | 0.0000 | 0.0000 | 83.107 | 0.48891 | 0.00000 | 602892.1 | 354530.2 | 0.0 | S |
| 57.008 | 0.0000 | 0.0000 | 83.106 | 0.48884 | 0.00000 | 602892.1 | 354544.9 | 0.0 | S |
| 57.017 | 0.0000 | 0.0000 | 83.106 | 0.48877 | 0.00000 | 602892.1 | 354559.5 | 0.0 | S |
| 57.025 | 0.0000 | 0.0000 | 83.106 | 0.48869 | 0.00000 | 602892.1 | 354574.2 | 0.0 | S |
| 57.033 | 0.0000 | 0.0000 | 83.106 | 0.48862 | 0.00000 | 602892.1 | 354588.8 | 0.0 | S |
| 57.042 | 0.0000 | 0.0000 | 83.105 | 0.48855 | 0.00000 | 602892.1 | 354603.5 | 0.0 | S |
| 57.050 | 0.0000 | 0.0000 | 83.105 | 0.48847 | 0.00000 | 602892.1 | 354618.2 | 0.0 | S |
| 57.058 | 0.0000 | 0.0000 | 83.105 | 0.48840 | 0.00000 | 602892.1 | 354632.8 | 0.0 | S |
| 57.067 | 0.0000 | 0.0000 | 83.105 | 0.48833 | 0.00000 | 602892.1 | 354647.5 | 0.0 | S |
| 57.075 | 0.0000 | 0.0000 | 83.105 | 0.48826 | 0.00000 | 602892.1 | 354662.1 | 0.0 | S |
| 57.083 | 0.0000 | 0.0000 | 83.104 | 0.48818 | 0.00000 | 602892.1 | 354676.8 | 0.0 | S |
| 57.092 | 0.0000 | 0.0000 | 83.104 | 0.48811 | 0.00000 | 602892.1 | 354691.4 | 0.0 | S |
| 57.100 | 0.0000 | 0.0000 | 83.104 | 0.48804 | 0.00000 | 602892.1 | 354706.1 | 0.0 | S |
| 57.108 | 0.0000 | 0.0000 | 83.104 | 0.48797 | 0.00000 | 602892.1 | 354720.7 | 0.0 | S |
| 57.117 | 0.0000 | 0.0000 | 83.103 | 0.48789 | 0,00000 | 602892.1 | 354735.3 | 0.0 | S |
| 57.125 | 0.0000 | 0.0000 | 83.103 | 0.48782 | 0.00000 | 602892.1 | 354750.0 | 0.0 | S |
| 57.133 | 0.0000 | 0.0000 | 83.103 | 0.48775 | 0.00000 | 602892.1 | 354764.6 | 0.0 | S |
| 57.142 | 0.0000 | 0.0000 | 83.103 | 0.48767 | 0.00000 | 602892.1 | 354779.2 | 0.0 | S |
| 57.150 | 0.0000 | 0.0000 | 83.102 | 0.48760 | 0.00000 | 602892.1 | 354793.9 | 0.0 | S |
| 57.158 | 0.0000 | 0.0000 | 83.102 | 0.48753 | 0.00000 | 602892.1 | 354808.5 | 0.0 | S |
| 57.167 | 0.0000 | 0.0000 | 83.102 | 0.48746 | 0.00000 | 602892.1 | 354823.1 | 0.0 | S |
| 57.175 | 0.0000 | 0.0000 | 83.102 | 0.48738 | 0.00000 | 602892.1 | 354837.8 | 0.0 | S |
| 57.183 | 0.0000 | 0.0000 | 83.102 | 0.48731 | 0.00000 | 602892.1 | 354852.3 | 0.0 | S |
| 57.192 | 0.0000 | 0.0000 | 83.101 | 0.48724 | 0.00000 | 602892.1 | 354867.0 | 0.0 | S |
| 57.200 | 0.0000 | 0.0000 | 83.101 | 0.48717 | 0.00000 | 602892.1 | 354881.6 | 0.0 | S |
| 57.208 | 0.0000 | 0.0000 | 83.101 | 0.48709 | 0.00000 | 602892.1 | 354896.2 | 0.0 | S |
| 57.217 | 0.0000 | 0.0000 | 83.101 | 0.48702 | 0.00000 | 602892.1 | 354910.8 | 0.0 | S |
| 57.225 | 0.0000 | 0.0000 | 83.100 | 0.48695 | 0.00000 | 602892.1 | 354925.4 | 0.0 | S |
| 57.233 | 0.0000 | 0.0000 | 83.100 | 0.48688 | 0.00000 | 602892.1 | 354940.0 | 0.0 | S |
| 57.242 | 0.0000 | 0.0000 | 83.100 | 0.48681 | 0.00000 | 602892.1 | 354954.6 | 0.0 | S |
| 57.250 | 0.0000 | 0.0000 | 83.100 | 0.48673 | 0.00000 | 602892.1 | 354969.3 | 0.0 | S |
| 57.258 | 0.0000 | 0.0000 | 83.100 | 0.48666 | 0.00000 | 602892.1 | 354983.8 | 0.0 | S |
| 57.267 | 0.0000 | 0.0000 | 83.099 | 0.48659 | 0.00000 | 602892.1 | 354998.4 | 0.0 | S |
| 57.275 | 0.0000 | 0.0000 | 83.099 | 0.48652 | 0.00000 | 602892.1 | 355013.0 | 0.0 | S |
| 57.283 | 0.0000 | 0.0000 | 83.099 | 0.48644 | 0.00000 | 602892.1 | 355027.6 | 0.0 | S |
| 57.292 | 0.0000 | 0.0000 | 83.099 | 0.48637 | 0.00000 | 602892.1 | 355042.2 | 0.0 | S |
| 57.300 | 0.0000 | 0.0000 | 83.098 | 0.48630 | 0.00000 | 602892.1 | 355056.8 | 0.0 | S |
| 57.308 | 0.0000 | 0.0000 | 83.098 | 0.48623 | 0.00000 | 602892.1 | 355071.4 | 0.0 | S |
| 57.317 | 0.0000 | 0.0000 | 83.098 | 0.48616 | 0.00000 | 602892.1 | 355086.0 | 0.0 | S |
| 57.325 | 0.0000 | 0.0000 | 83.098 | 0.48608 | 0.00000 | 602892.1 | 355100.6 | 0.0 | S |
| 57.333 | 0.0000 | 0.0000 | 83.097 | 0.48601 | 0.00000 | 602892.1 | 355115.2 | 0.0 | S |
| 57.342 | 0.0000 | 0.0000 | 83.097 | 0.48594 | 0.00000 | 602892.1 | 355129.7 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation ( t datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overlow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infilitration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 57.350 | 0.0000 | 0.0000 | 83.097 | 0.48587 | 0.00000 | 602892.1 | 355144.3 | 0.0 | S |
| 57.358 | 0.0000 | 0.0000 | 83.097 | 0.48580 | 0.00000 | 602892.1 | 355158.9 | 0.0 | S |
| 57.367 | 0.0000 | 0.0000 | 83.097 | 0.48572 | 0.00000 | 602892.1 | 355173.5 | 0.0 | S |
| 57.375 | 0.0000 | 0.0000 | 83.096 | 0.48565 | 0.00000 | 602892.1 | 355188.0 | 0.0 | S |
| 57.383 | 0.0000 | 0.0000 | 83.096 | 0.48558 | 0.00000 | 602892.1 | 355202.6 | 0.0 | S |
| 57.392 | 0.0000 | 0.0000 | 83.096 | 0.48551 | 0.00000 | 602892.1 | 355217.2 | 0.0 | S |
| 57.400 | 0.0000 | 0.0000 | 83.096 | 0.48544 | 0.00000 | 602892.1 | 355231.7 | 0.0 | S |
| 57.408 | 0.0000 | 0.0000 | 83.095 | 0.48536 | 0.00000 | 602892.1 | 355246.3 | 0.0 | S |
| 57.417 | 0.0000 | 0.0000 | 83.095 | 0.48529 | 0.00000 | 602892.1 | 355260.8 | 0.0 | S |
| 57.425 | 0.0000 | 0.0000 | 83.095 | 0.48522 | 0.00000 | 602892.1 | 355275.4 | 0.0 | S |
| 57.433 | 0.0000 | 0.0000 | 83.095 | 0.48515 | 0.00000 | 602892.1 | 355290.0 | 0.0 | S |
| 57.442 | 0.0000 | 0.0000 | 83.095 | 0.48508 | 0.00000 | 602892.1 | 355304.5 | 0.0 | S |
| 57.450 | 0.0000 | 0.0000 | 83.094 | 0.48501 | 0.00000 | 602892.1 | 355319.1 | 0.0 | S |
| 57.458 | 0.0000 | 0.0000 | 83.094 | 0.48493 | 0.00000 | 602892.1 | 355333.6 | 0.0 | S |
| 57.467 | 0.0000 | 0.0000 | 83.094 | 0.48486 | 0.00000 | 602892.1 | 355348.2 | 0.0 | S |
| 57.475 | 0.0000 | 0.0000 | 83.094 | 0.48479 | 0.00000 | 602892.1 | 355362.7 | 0.0 | S |
| 57.483 | 0.0000 | 0.0000 | 83.093 | 0.48472 | 0.00000 | 602892.1 | 355377.3 | 0.0 | S |
| 57.492 | 0.0000 | 0.0000 | 83.093 | 0.48465 | 0.00000 | 602892.1 | 355391.8 | 0.0 | S |
| 57.500 | 0.0000 | 0.0000 | 83.093 | 0.48458 | 0.00000 | 602892.1 | 355406.3 | 0.0 | S |
| 57.508 | 0.0000 | 0.0000 | 83.093 | 0.48450 | 0.00000 | 602892.1 | 355420.9 | 0.0 | S |
| 57.517 | 0.0000 | 0.0000 | 83.093 | 0.48443 | 0.00000 | 602892.1 | 355435.4 | 0.0 | S |
| 57.525 | 0.0000 | 0.0000 | 83.092 | 0.48436 | 0.00000 | 602892.1 | 355449.9 | 0.0 | S |
| 57.533 | 0.0000 | 0.0000 | 83.092 | 0.48429 | 0.00000 | 602892.1 | 355464.5 | 0.0 | S |
| 57.542 | 0.0000 | 0.0000 | 83.092 | 0.48422 | 0.00000 | 602892.1 | 355479.0 | 0.0 | S |
| 57.550 | 0.0000 | 0.0000 | 83.092 | 0.48415 | 0.00000 | 602892.1 | 355493.5 | 0.0 | S |
| 57.558 | 0.0000 | 0.0000 | 83.091 | 0.48408 | 0.00000 | 602892.1 | 355508.0 | 0.0 | S |
| 57.567 | 0.0000 | 0.0000 | 83.091 | 0.48400 | 0.00000 | 602892.1 | 355522.6 | 0.0 | S |
| 57.575 | 0.0000 | 0.0000 | 83.091 | 0.48393 | 0.00000 | 602892.1 | 355537.1 | 0.0 | S |
| 57.583 | 0.0000 | 0.0000 | 83.091 | 0.48386 | 0.00000 | 602892.1 | 355551.6 | 0.0 | S |
| 57.592 | 0.0000 | 0.0000 | 83.090 | 0.48379 | 0.00000 | 602892.1 | 355566.1 | 0.0 | S |
| 57.600 | 0.0000 | 0.0000 | 83.090 | 0.48372 | 0.00000 | 602892.1 | 355580.6 | 0.0 | S |
| 57.608 | 0.0000 | 0.0000 | 83.090 | 0.48365 | 0.00000 | 602892.1 | 355595.1 | 0.0 | S |
| 57.617 | 0.0000 | 0.0000 | 83.080 | 0.48358 | 0.00000 | 602892.1 | 355609.7 | 0.0 | S |
| 57.625 | 0.0000 | 0.0000 | 83.090 | 0.48351 | 0.00000 | 602892.1 | 355624.2 | 0.0 | S |
| 57.633 | 0.0000 | 0.0000 | 83.089 | 0.48343 | 0.00000 | 602892.1 | 355638.7 | 0.0 | S |
| 57.642 | 0.0000 | 0.0000 | 83.089 | 0.48336 | 0.00000 | 602892.1 | 355653.2 | 0.0 | S |
| 57.650 | 0.0000 | 0.0000 | 83.089 | 0.48329 | 0.00000 | 602892.1 | 355667.7 | 0.0 | S |
| 57.658 | 0.0000 | 0.0000 | 83.089 | 0.48322 | 0.00000 | 602892.1 | 355682.2 | 0.0 | S |
| 57.667 | 0.0000 | 0.0000 | 83.088 | 0.48315 | 0.00000 | 602892.1 | 355696.7 | 0.0 | S |
| 57.675 | 0.0000 | 0.0000 | 83.088 | 0.48308 | 0.00000 | 602892.1 | 355711.1 | 0.0 | S |
| 57.683 | 0.0000 | 0.0000 | 83.088 | 0.48301 | 0.00000 | 602892.1 | 355725.6 | 0.0 | S |
| 57.692 | 0.0000 | 0.0000 | 83.088 | 0.48294 | 0.00000 | 602892.1 | 355740.1 | 0.0 | S |
| 57.700 | 0.0000 | 0.0000 | 83.088 | 0.48286 | 0.00000 | 602892.1 | 355754.6 | 0.0 | S |
| 57.708 | 0.0000 | 0.0000 | 83.087 | 0.48279 | 0.00000 | 602892.1 | 355769.1 | 0.0 | S |
| 57.717 | 0.0000 | 0.0000 | 83.087 | 0.48272 | 0.00000 | 602892.1 | 355783.6 | 0.0 | S |
| 57.725 | 0.0000 | 0.0000 | 83.087 | 0.48265 | 0.00000 | 602892.1 | 355798.1 | 0.0 | S |
| 57.733 | 0.0000 | 0.0000 | 83.087 | 0.48258 | 0.00000 | 602892.1 | 355812.5 | 0.0 | S |
| 57.742 | 0.0000 | 0.0000 | 83.086 | 0.48251 | 0.00000 | 602892.1 | 355827.0 | 0.0 | S |
| 57.750 | 0.0000 | 0.0000 | 83.086 | 0.48244 | 0.00000 | 602892.1 | 355841.5 | 0.0 | S |
| 57.758 | 0.0000 | 0.0000 | 83.086 | 0.48237 | 0.00000 | 602892.1 | 355856.0 | 0.0 | S |
| 57.767 | 0.0000 | 0.0000 | 83.086 | 0.48230 | 0.00000 | 602892.1 | 355870.4 | 0.0 | S |
| 57.775 | 0.0000 | 0.0000 | 83.085 | 0.48223 | 0.00000 | 602892.1 | 355884.9 | 0.0 | S |
| 57.783 | 0.0000 | 0.0000 | 83.085 | 0.48216 | 0.00000 | 602892.1 | 355899.4 | 0.0 | S |
| 57.792 | 0.0000 | 0.0000 | 83.085 | 0.48209 | 0.00000 | 602892.1 | 355913.8 | 0.0 | S |
| 57.800 | 0.0000 | 0.0000 | 83.085 | 0.48201 | 0.00000 | 602892.1 | 355928.3 | 0.0 | S |
| 57.808 | 0.0000 | 0.0000 | 83.085 | 0.48194 | 0.00000 | 602892.1 | 355942.8 | 0.0 | S |
| 57.817 | 0.0000 | 0.0000 | 83.084 | 0.48187 | 0.00000 | 602892.1 | 355957.2 | 0.0 | S |
| 57.825 | 0.0000 | 0.0000 | 83.084 | 0.48180 | 0.00000 | 602892.1 | 355971.7 | 0.0 | S |
| 57.833 | 0.0000 | 0.0000 | 83.084 | 0.48173 | 0.00000 | 602892.1 | 355986.1 | 0.0 | S |
| 57.842 | 0.0000 | 0.0000 | 83.084 | 0.48166 | 0.00000 | 602892.1 | 356000.6 | 0.0 | S |
| 57.850 | 0.0000 | 0.0000 | 83.083 | 0.48159 | 0.00000 | 602892.1 | 356015.0 | 0.0 | S |
| 57.858 | 0.0000 | 0.0000 | 83.083 | 0.48152 | 0.00000 | 602892.1 | 356029.5 | 0.0 | S |
| 57.867 | 0.0000 | 0.0000 | 83.083 | 0.48145 | 0.00000 | 602892.1 | 356043.9 | 0.0 | S |
| 57.875 | 0.0000 | 0.0000 | 83.083 | 0.48138 | 0.00000 | 602892.1 | 356058.3 | 0.0 | S |
| 57.883 | 0.0000 | 0.0000 | 83.083 | 0.48131 | 0.00000 | 602892.1 | 356072.8 | 0.0 | S |
| 57.892 | 0.0000 | 0.0000 | 83.082 | 0.48124 | 0.00000 | 602892.1 | 356087.2 | 0.0 | S |
| 57.900 | 0.0000 | 0.0000 | 83.082 | 0.48117 | 0.00000 | 602892.1 | 356101.7 | 0.0 | S |
| 57.908 | 0.0000 | 0.0000 | 83.082 | 0.48110 | 0.00000 | 602892.1 | 356116.1 | 0.0 | S |
| 57.917 | 0.0000 | 0.0000 | 83.082 | 0.48103 | 0.00000 | 602892.1 | 356130.5 | 0.0 | S |
| 57.925 | 0.0000 | 0.0000 | 83.081 | 0.48096 | 0.00000 | 602892.1 | 356145.0 | 0.0 | S |
| 57.933 | 0.0000 | 0.0000 | 83.081 | 0.48089 | 0.00000 | 602892.1 | 356159.4 | 0.0 | S |
| 57.942 | 0.0000 | 0.0000 | 83.081 | 0.48081 | 0.00000 | 602892.1 | 356173.8 | 0.0 | S |
| 57.950 | 0.0000 | 0.0000 | 83.081 | 0.48074 | 0.00000 | 602892.1 | 356188.2 | 0.0 | S |
| 57.958 | 0.0000 | 0.0000 | 83.081 | 0.48067 | 0.00000 | 602892.1 | 356202.7 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overiow Discharge ( $\mathrm{t}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 57.967 | 0.0000 | 0.0000 | 83.080 | 0.48060 | 0.00000 | 602892.1 | 356217.1 | 0.0 | S |
| 57.975 | 0.0000 | 0.0000 | 83.080 | 0.48053 | 0.00000 | 602892.1 | 356231.5 | 0.0 | S |
| 57.983 | 0.0000 | 0.0000 | 83.080 | 0.48046 | 0.00000 | 602892.1 | 356245.9 | 0.0 | S |
| 57.992 | 0.0000 | 0.0000 | 83.080 | 0.48039 | 0.00000 | 602892.1 | 356260.3 | 0.0 | S |
| 58.000 | 0.0000 | 0.0000 | 83.079 | 0.48032 | 0.00000 | 602892.1 | 356274.7 | 0.0 | S |
| 58.008 | 0.0000 | 0.0000 | 83.079 | 0.48025 | 0.00000 | 602892.1 | 356289.1 | 0.0 | S |
| 58.017 | 0.0000 | 0.0000 | 83.079 | 0.48018 | 0.00000 | 602892.1 | 356303.5 | 0.0 | S |
| 58.025 | 0.0000 | 0.0000 | 83.079 | 0.48011 | 0.00000 | 602892.1 | 356317.9 | 0.0 | S |
| 58.033 | 0.0000 | 0.0000 | 83.079 | 0.48004 | 0.00000 | 602892.1 | 356332.3 | 0.0 | S |
| 58.042 | 0.0000 | 0.0000 | 83.078 | 0.47997 | 0.00000 | 602892.1 | 356346.8 | 0.0 | S |
| 58.050 | 0.0000 | 0.0000 | 83.078 | 0.47990 | 0.00000 | 602892.1 | 356361.2 | 0.0 | S |
| 58.058 | 0.0000 | 0.0000 | 83.078 | 0.47983 | 0.00000 | 602892.1 | 356375.5 | 0.0 | S |
| 58.067 | 0.0000 | 0.0000 | 83.078 | 0.47976 | 0.00000 | 602892.1 | 356389.9 | 0.0 | S |
| 58.075 | 0.0000 | 0.0000 | 83.077 | 0.47969 | 0.00000 | 602892.1 | 356404.3 | 0.0 | S |
| 58.083 | 0.0000 | 0.0000 | 83.077 | 0.47962 | 0.00000 | 602892.1 | 356418.7 | 0.0 | S |
| 58.092 | 0.0000 | 0.0000 | 83.077 | 0.47955 | 0.00000 | 602892.1 | 356433.1 | 0.0 | S |
| 58.100 | 0.0000 | 0.0000 | 83.077 | 0.47948 | 0.00000 | 602892.1 | 356447.5 | 0.0 | S |
| 58.108 | 0.0000 | 0.0000 | 83.076 | 0.47941 | 0.00000 | 602892.1 | 356461.9 | 0.0 | S |
| 58.117 | 0.0000 | 0.0000 | 83.076 | 0.47934 | 0.00000 | 602892.1 | 356476.3 | 0.0 | S |
| 58.125 | 0.0000 | 0.0000 | 83.076 | 0.47927 | 0.00000 | 602892.1 | 356490.6 | 0.0 | S |
| 58.133 | 0.0000 | 0.0000 | 83.076 | 0.47920 | 0.00000 | 602892.1 | 356505.0 | 0.0 | S |
| 58.142 | 0.0000 | 0.0000 | 83.076 | 0.47913 | 0.00000 | 602892.1 | 356519.4 | 0.0 | S |
| 58.150 | 0.0000 | 0.0000 | 83.075 | 0.47906 | 0.00000 | 602892.1 | 356533.8 | 0.0 | S |
| 58.158 | 0.0000 | 0.0000 | 83.075 | 0.47899 | 0.00000 | 602892.1 | 356548.1 | 0.0 | S |
| 58.167 | 0.0000 | 0.0000 | 83.075 | 0.47892 | 0.00000 | 602892.1 | 356562.5 | 0.0 | S |
| 58.175 | 0.0000 | 0.0000 | 83.075 | 0.47885 | 0.00000 | 602892.1 | 356576.9 | 0.0 | S |
| 58.183 | 0.0000 | 0.0000 | 83.074 | 0.47878 | 0.00000 | 602892.1 | 356591.2 | 0.0 | S |
| 58.192 | 0.0000 | 0.0000 | 83.074 | 0.47871 | 0.00000 | 602892.1 | 356605.6 | 0.0 | S |
| 58.200 | 0.0000 | 0.0000 | 83.074 | 0.47864 | 0.00000 | 602892.1 | 356620.0 | 0.0 | S |
| 58.208 | 0.0000 | 0.0000 | 83.074 | 0.47857 | 0.00000 | 602892.1 | 356634.3 | 0.0 | S |
| 58.217 | 0.0000 | 0.0000 | 83.074 | 0.47850 | 0.00000 | 602892.1 | 356648.7 | 0.0 | S |
| 58.225 | 0.0000 | 0.0000 | 83.073 | 0.47843 | 0.00000 | 602892.1 | 356663.0 | 0.0 | S |
| 58.233 | 0.0000 | 0.0000 | 83.073 | 0.47837 | 0.00000 | 602892.1 | 356677.4 | 0.0 | S |
| 58.242 | 0.0000 | 0.0000 | 83.073 | 0.47830 | 0.00000 | 602892.1 | 356691.7 | 0.0 | S |
| 58.250 | 0.0000 | 0.0000 | 83.073 | 0.47823 | 0.00000 | 602892.1 | 356706.1 | 0.0 | S |
| 58.258 | 0.0000 | 0.0000 | 83.072 | 0.47816 | 0.00000 | 602892.1 | 356720.4 | 0.0 | S |
| 58.267 | 0.0000 | 0.0000 | 83.072 | 0.47809 | 0.00000 | 602892.1 | 356734.8 | 0.0 | S |
| 58.275 | 0.0000 | 0.0000 | 83.072 | 0.47802 | 0.00000 | 602892.1 | 356749.1 | 0.0 | S |
| 58.283 | 0.0000 | 0.0000 | 83.072 | 0.47795 | 0.00000 | 602892.1 | 356763.4 | 0.0 | S |
| 58.292 | 0.0000 | 0.0000 | 83.072 | 0.47788 | 0.00000 | 602892.1 | 356777.8 | 0.0 | S |
| 58.300 | 0.0000 | 0.0000 | 83.071 | 0.47781 | 0.00000 | 602892.1 | 356792.1 | 0.0 | S |
| 58.308 | 0.0000 | 0.0000 | 83.071 | 0.47774 | 0.00000 | 602892.1 | 356806.4 | 0.0 | S |
| 58.317 | 0.0000 | 0.0000 | 83.071 | 0.47767 | 0.00000 | 602892.1 | 356820.8 | 0.0 | S |
| 58.325 | 0.0000 | 0.0000 | 83.071 | 0.47760 | 0.00000 | 602892.1 | 356835.1 | 0.0 | S |
| 58.333 | 0.0000 | 0.0000 | 83.070 | 0.47753 | 0.00000 | 602892.1 | 356849.4 | 0.0 | S |
| 58.342 | 0.0000 | 0.0000 | 83.070 | 0.47746 | 0.00000 | 602892.1 | 356863.8 | 0.0 | S |
| 58.350 | 0.0000 | 0.0000 | 83.070 | 0.47739 | 0.00000 | 602892.1 | 356878.1 | 0.0 | S |
| 58.358 | 0.0000 | 0.0000 | 83.070 | 0.47732 | 0.00000 | 602892.1 | 356892.4 | 0.0 | S |
| 58.367 | 0.0000 | 0.0000 | 83.070 | 0.47725 | 0.00000 | 602892.1 | 356906.7 | 0.0 | S |
| 58.375 | 0.0000 | 0.0000 | 83.069 | 0.47719 | 0.00000 | 602892.1 | 356921.0 | 0.0 | S |
| 58.383 | 0.0000 | 0.0000 | 83.069 | 0.47712 | 0.00000 | 602892.1 | 356935.3 | 0.0 | S |
| 58.392 | 0.0000 | 0.0000 | 83.069 | 0.47705 | 0.00000 | 602892.1 | 356949.7 | 0.0 | S |
| 58.400 | 0.0000 | 0.0000 | 83.069 | 0.47698 | 0.00000 | 602892.1 | 356964.0 | 0.0 | S |
| 58.408 | 0.0000 | 0.0000 | 83.068 | 0.47691 | 0.00000 | 602892.1 | 356978.3 | 0.0 | S |
| 58.417 | 0.0000 | 0.0000 | 83.068 | 0.47684 | 0.00000 | 602892.1 | 356992.6 | 0.0 | S |
| 58.425 | 0.0000 | 0.0000 | 83.068 | 0.47677 | 0.00000 | 602892.1 | 357006.9 | 0.0 | S |
| 58.433 | 0.0000 | 0.0000 | 83.068 | 0.47670 | 0.00000 | 602892.1 | 357021.2 | 0.0 | S |
| 58.442 | 0.0000 | 0.0000 | 83.068 | 0.47663 | 0.00000 | 602892.1 | 357035.5 | 0.0 | S |
| 58.450 | 0.0000 | 0.0000 | 83.067 | 0.47656 | 0.00000 | 602892.1 | 357049.8 | 0.0 | S |
| 58.458 | 0.0000 | 0.0000 | 83.067 | 0.47649 | 0.00000 | 602892.1 | 357064.1 | 0.0 | S |
| 58.467 | 0.0000 | 0.0000 | 83.067 | 0.47643 | 0.00000 | 602892.1 | 357078.4 | 0.0 | S |
| 58.475 | 0.0000 | 0.0000 | 83.067 | 0.47636 | 0.00000 | 602892.1 | 357092.7 | 0.0 | S |
| 58.483 | 0.0000 | 0.0000 | 83.066 | 0.47629 | 0.00000 | 602892.1 | 357107.0 | 0.0 | S |
| 58.492 | 0.0000 | 0.0000 | 83.066 | 0.47622 | 0.00000 | 602892.1 | 357121.3 | 0.0 | S |
| 58.500 | 0.0000 | 0.0000 | 83.066 | 0.47615 | 0.00000 | 602892.1 | 357135.5 | 0.0 | S |
| 58.508 | 0.0000 | 0.0000 | 83.066 | 0.47608 | 0.00000 | 602892.1 | 357149.8 | 0.0 | S |
| 58.517 | 0.0000 | 0.0000 | 83.066 | 0.47601 | 0.00000 | 602892.1 | 357164.1 | 0.0 | S |
| 58.525 | 0.0000 | 0.0000 | 83.065 | 0.47594 | 0.00000 | 602892.1 | 357178.4 | 0.0 | S |
| 58.533 | 0.0000 | 0.0000 | 83.065 | 0.47587 | 0.00000 | 602892.1 | 357192.7 | 0.0 | S |
| 58.542 | 0.0000 | 0.0000 | 83.065 | 0.47580 | 0.00000 | 602892.1 | 357206.9 | 0.0 | S |
| 58.550 | 0.0000 | 0.0000 | 83.065 | 0.47574 | 0.00000 | 602892.1 | 357221.2 | 0.0 | S |
| 58.558 | 0.0000 | 0.0000 | 83.064 | 0.47567 | 0.00000 | 602892.1 | 357235.5 | 0.0 | S |
| 58.567 | 0.0000 | 0.0000 | 83.064 | 0.47560 | 0.00000 | 602892.1 | 357249.8 | 0.0 | S |
| 58.575 | 0.0000 | 0.0000 | 83.064 | 0.47553 | 0.00000 | 602892.1 | 357264.0 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario $1::$ pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{fl}^{3 / 5}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate (f13/s) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ff}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 58.583 | 0.0000 | 0.0000 | 83.064 | 0.47546 | 0.00000 | 602892.1 | 357278.3 | 0.0 | S |
| 58.592 | 0.0000 | 0.0000 | 83.064 | 0.47539 | 0.00000 | 602892.1 | 357292.5 | 0.0 | S |
| 58.600 | 0.0000 | 0.0000 | 83.063 | 0.47532 | 0.00000 | 602892.1 | 357306.8 | 0.0 | S |
| 58.608 | 0.0000 | 0.0000 | 83.063 | 0.47526 | 0.00000 | 602892.1 | 357321.1 | 0.0 | S |
| 58.617 | 0.0000 | 0.0000 | 83.063 | 0.47519 | 0.00000 | 602892.1 | 357335.3 | 0.0 | S |
| 58.625 | 0.0000 | 0.0000 | 83.063 | 0.47512 | 0.00000 | 602892.1 | 357349.6 | 0.0 | S |
| 58.633 | 0.0000 | 0.0000 | 83.062 | 0.47505 | 0.00000 | 602892.1 | 357363.8 | 0.0 | S |
| 58.642 | 0.0000 | 0.0000 | 83.062 | 0.47498 | 0.00000 | 602892.1 | 357378.1 | 0.0 | S |
| 58.650 | 0.0000 | 0.0000 | 83.062 | 0.47491 | 0.00000 | 602892.1 | 357392.3 | 0.0 | S |
| 58.658 | 0.0000 | 0.0000 | 83.062 | 0.47484 | 0.00000 | 602892.1 | 357406.6 | 0.0 | S |
| 58.667 | 0.0000 | 0.0000 | 83.062 | 0.47478 | 0.00000 | 602892.1 | 357420.8 | 0.0 | S |
| 58.675 | 0.0000 | 0.0000 | 83.061 | 0.47471 | 0.00000 | 602892.1 | 357435.1 | 0.0 | S |
| 58.683 | 0.0000 | 0.0000 | 83.061 | 0.47464 | 0.00000 | 602892.1 | 357449.3 | 0.0 | S |
| 58.692 | 0.0000 | 0.0000 | 83.061 | 0.47457 | 0.00000 | 602892.1 | 357463.5 | 0.0 | S |
| 58.700 | 0.0000 | 0.0000 | 83.061 | 0.47450 | 0.00000 | 602892.1 | 357477.8 | 0.0 | S |
| 58.708 | 0.0000 | 0.0000 | 83.060 | 0.47443 | 0.00000 | 602892.1 | 357492.0 | 0.0 | S |
| 58.717 | 0.0000 | 0.0000 | 83.060 | 0.47436 | 0.00000 | 602892.1 | 357506.3 | 0.0 | S |
| 58.725 | 0.0000 | 0.0000 | 83.060 | 0.47430 | 0.00000 | 602892.1 | 357520.5 | 0.0 | S |
| 58.733 | 0.0000 | 0.0000 | 83.060 | 0.47423 | 0.00000 | 602892.1 | 357534.7 | 0.0 | S |
| 58.742 | 0.0000 | 0.0000 | 83.060 | 0.47416 | 0.00000 | 602892.1 | 357548.9 | 0.0 | S |
| 58.750 | 0.0000 | 0.0000 | 83.059 | 0.47409 | 0.00000 | 602892.1 | 357563.2 | 0.0 | S |
| 58.758 | 0.0000 | 0.0000 | 83.059 | 0.47402 | 0.00000 | 602892.1 | 357577.4 | 0.0 | S |
| 58.767 | 0.0000 | 0.0000 | 83.059 | 0.47396 | 0.00000 | 602892.1 | 357591.6 | 0.0 | S |
| 58.775 | 0.0000 | 0.0000 | 83.059 | 0.47389 | 0.00000 | 602892.1 | 357605.8 | 0.0 | S |
| 58.783 | 0.0000 | 0.0000 | 83.058 | 0.47382 | 0.00000 | 602892.1 | 357620.0 | 0.0 | S |
| 58.792 | 0.0000 | 0.0000 | 83.058 | 0.47375 | 0.00000 | 602892.1 | 357634.3 | 0.0 | S |
| 58.800 | 0.0000 | 0.0000 | 83.058 | 0.47368 | 0.00000 | 602892.1 | 357648.4 | 0.0 | S |
| 58.808 | 0.0000 | 0.0000 | 83.058 | 0.47361 | 0.00000 | 602892.1 | 357662.7 | 0.0 | S |
| 58.817 | 0.0000 | 0.0000 | 83.058 | 0.47355 | 0.00000 | 602892.1 | 357676.9 | 0.0 | S |
| 58.825 | 0.0000 | 0.0000 | 83.057 | 0.47348 | 0.00000 | 602892.1 | 357691.1 | 0.0 | S |
| 58.833 | 0.0000 | 0.0000 | 83.057 | 0.47341 | 0.00000 | 602892.1 | 357705.3 | 0.0 | S |
| 58.842 | 0.0000 | 0.0000 | 83.057 | 0.47334 | 0.00000 | 602892.1 | 357719.5 | 0.0 | S |
| 58.850 | 0.0000 | 0.0000 | 83.057 | 0.47327 | 0.00000 | 602892.1 | 357733.7 | 0.0 | S |
| 58.858 | 0.0000 | 0.0000 | 83.056 | 0.47321 | 0.00000 | 602892.1 | 357747.9 | 0.0 | S |
| 58.867 | 0.0000 | 0.0000 | 83.056 | 0.47314 | 0.00000 | 602892.1 | 357762.1 | 0.0 | S |
| 58.875 | 0.0000 | 0.0000 | 83.056 | 0.47307 | 0.00000 | 602892.1 | 357776.3 | 0.0 | S |
| 58.883 | 0.0000 | 0.0000 | 83.056 | 0.47300 | 0.00000 | 602892.1 | 357790.4 | 0.0 | S |
| 58.892 | 0.0000 | 0.0000 | 83.056 | 0.47293 | 0.00000 | 602892.1 | 357804.6 | 0.0 | S |
| 58.900 | 0.0000 | 0.0000 | 83.055 | 0.47287 | 0.00000 | 602892.1 | 357818.8 | 0.0 | S |
| 58.908 | 0.0000 | 0.0000 | 83.055 | 0.47280 | 0.00000 | 602892.1 | 357833.0 | 0.0 | S |
| 58.917 | 0.0000 | 0.0000 | 83.055 | 0.47273 | 0.00000 | 602892.1 | 357847.2 | 0.0 | S |
| 58.925 | 0.0000 | 0.0000 | 83.055 | 0.47266 | 0.00000 | 602892.1 | 357861.4 | 0.0 | S |
| 58.933 | 0.0000 | 0.0000 | 83.054 | 0.47259 | 0.00000 | 602892.1 | 357875.6 | 0.0 | S |
| 58.942 | 0.0000 | 0.0000 | 83.054 | 0.47253 | 0.00000 | 602892.1 | 357889.7 | 0.0 | S |
| 58.950 | 0.0000 | 0.0000 | 83.054 | 0.47246 | 0.00000 | 602892.1 | 357903.9 | 0.0 | S |
| 58.958 | 0.0000 | 0.0000 | 83.054 | 0.47239 | 0.00000 | 602892.1 | 357918.1 | 0.0 | S |
| 58.967 | 0.0000 | 0.0000 | 83.054 | 0.47232 | 0.00000 | 602892.1 | 357932.3 | 0.0 | S |
| 58.975 | 0.0000 | 0.0000 | 83.053 | 0.47226 | 0.00000 | 602892.1 | 357946.4 | 0.0 | S |
| 58.983 | 0.0000 | 0.0000 | 83.053 | 0.47219 | 0.00000 | 602892.1 | 357960.6 | 0.0 | S |
| 58.992 | 0.0000 | 0.0000 | 83.053 | 0.47212 | 0.00000 | 602892.1 | 357974.8 | 0.0 | S |
| 59.000 | 0.0000 | 0.0000 | 83.053 | 0.47205 | 0.00000 | 602892.1 | 357988.9 | 0.0 | S |
| 59.008 | 0.0000 | 0.0000 | 83.052 | 0.47199 | 0.00000 | 602892.1 | 358003.1 | 0.0 | S |
| 59.017 | 0.0000 | 0.0000 | 83.052 | 0.47192 | 0.00000 | 602892.1 | 358017.2 | 0.0 | S |
| 59.025 | 0.0000 | 0.0000 | 83.052 | 0.47185 | 0.00000 | 602892.1 | 358031.4 | 0.0 | S |
| 59.033 | 0.0000 | 0.0000 | 83.052 | 0.47178 | 0.00000 | 602892.1 | 358045.5 | 0.0 | S |
| 59.042 | 0.0000 | 0.0000 | 83.052 | 0.47172 | 0.00000 | 602892.1 | 358059.7 | 0.0 | S |
| 59.050 | 0.0000 | 0.0000 | 83.051 | 0.47165 | 0.00000 | 602892.1 | 358073.8 | 0.0 | S |
| 59.058 | 0.0000 | 0.0000 | 83.051 | 0.47158 | 0.00000 | 602892.1 | 358088.0 | 0.0 | S |
| 59.067 | 0.0000 | 0.0000 | 83.051 | 0.47151 | 0.00000 | 602892.1 | 358102.1 | 0.0 | S |
| 59.075 | 0.0000 | 0.0000 | 83.051 | 0.47145 | 0.00000 | 602892.1 | 358116.3 | 0.0 | S |
| 59.083 | 0.0000 | 0.0000 | 83.050 | 0.47138 | 0.00000 | 602892.1 | 358130.4 | 0.0 | S |
| 59.092 | 0.0000 | 0.0000 | 83.050 | 0.47131 | 0.00000 | 602892.1 | 358144.6 | 0.0 | S |
| 59.100 | 0.0000 | 0.0000 | 83.050 | 0.47124 | 0.00000 | 602892.1 | 358158.7 | 0.0 | S |
| 59.108 | 0.0000 | 0.0000 | 83.050 | 0.47118 | 0.00000 | 602892.1 | 358172.8 | 0.0 | S |
| 59.117 | 0.0000 | 0.0000 | 83.050 | 0.47111 | 0.00000 | 602892.1 | 358187.0 | 0.0 | S |
| 59.125 | 0.0000 | 0.0000 | 83.049 | 0.47104 | 0.00000 | 602892.1 | 358201.1 | 0.0 | S |
| 59.133 | 0.0000 | 0.0000 | 83.049 | 0.47097 | 0.00000 | 602892.1 | 358215.3 | 0.0 | S |
| 59.142 | 0.0000 | 0.0000 | 83.049 | 0.47091 | 0.00000 | 602892.1 | 358229.4 | 0.0 | S |
| 59.150 | 0.0000 | 0.0000 | 83.049 | 0.47084 | 0.00000 | 602892.1 | 358243.5 | 0.0 | S |
| 59.158 | 0.0000 | 0.0000 | 83.048 | 0.47077 | 0.00000 | 602892.1 | 358257.6 | 0.0 | S |
| 59.167 | 0.0000 | 0.0000 | 83.048 | 0.47070 | 0.00000 | 602892.1 | 358271.8 | 0.0 | S |
| 59.175 | 0.0000 | 0.0000 | 83.048 | 0.47064 | 0.00000 | 602892.1 | 358285.8 | 0.0 | S |
| 59.183 | 0.0000 | 0.0000 | 83.048 | 0.47057 | 0.00000 | 602892.1 | 358300.0 | 0.0 | S |
| 59.192 | 0.0000 | 0.0000 | 83.048 | 0.47050 | 0.00000 | 602892.1 | 358314.1 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate (fi3/s) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate (ffiss) | Overfow Discharge ( $44^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $f^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 59.200 | 0.0000 | 0.0000 | 83.047 | 0.47044 | 0.00000 | 602892.1 | 358328.2 | 0.0 | S |
| 59.208 | 0.0000 | 0.0000 | 83.047 | 0.47037 | 0.00000 | 602892.1 | 358342.3 | 0.0 | S |
| 59.217 | 0.0000 | 0.0000 | 83.047 | 0.47030 | 0.00000 | 602892.1 | 358356.4 | 0.0 | S |
| 59.225 | 0.0000 | 0.0000 | 83.047 | 0.47023 | 0.00000 | 602892.1 | 358370.5 | 0.0 | S |
| 59.233 | 0.0000 | 0.0000 | 83.046 | 0.47017 | 0.00000 | 602892.1 | 358384.7 | 0.0 | S |
| 59.242 | 0.0000 | 0.0000 | 83.046 | 0.47010 | 0.00000 | 602892.1 | 358398.8 | 0.0 | S |
| 59.250 | 0.0000 | 0.0000 | 83.046 | 0.47003 | 0.00000 | 602892.1 | 358412.8 | 0.0 | S |
| 59.258 | 0.0000 | 0.0000 | 83.046 | 0.46997 | 0.00000 | 602892.1 | 358426.9 | 0.0 | S |
| 59.267 | 0.0000 | 0.0000 | 83.046 | 0.46990 | 0.00000 | 602892.1 | 358441.0 | 0.0 | S |
| 59.275 | 0.0000 | 0.0000 | 83.045 | 0.46983 | 0.00000 | 602892.1 | 358455.2 | 0.0 | S |
| 59.283 | 0.0000 | 0.0000 | 83.045 | 0.46977 | 0.00000 | 602892.1 | 358469.3 | 0.0 | S |
| 59.292 | 0.0000 | 0.0000 | 83.045 | 0.46970 | 0.00000 | 602892.1 | 358483.3 | 0.0 | S |
| 59.300 | 0.0000 | 0.0000 | 83.045 | 0.46963 | 0.00000 | 602892.1 | 358497.4 | 0.0 | S |
| 59.308 | 0.0000 | 0.0000 | 83.044 | 0.46956 | 0.00000 | 602892.1 | 358511.5 | 0.0 | S |
| 59.317 | 0.0000 | 0.0000 | 83.044 | 0.46950 | 0.00000 | 602892.1 | 358525.6 | 0.0 | S |
| 59.325 | 0.0000 | 0.0000 | 83.044 | 0.46943 | 0.00000 | 602892.1 | 358539.7 | 0.0 | S |
| 59.333 | 0.0000 | 0.0000 | 83.044 | 0.46936 | 0.00000 | 602892.1 | 358553.8 | 0.0 | S |
| 59.342 | 0.0000 | 0.0000 | 83.044 | 0.46930 | 0.00000 | 602892.1 | 358567.8 | 0.0 | S |
| 59.350 | 0.0000 | 0.0000 | 83.043 | 0.46923 | 0.00000 | 602892.1 | 358581.9 | 0.0 | S |
| 59.358 | 0.0000 | 0.0000 | 83.043 | 0.46916 | 0.00000 | 602892.1 | 358596.0 | 0.0 | S |
| 59.367 | 0.0000 | 0.0000 | 83.043 | 0.46910 | 0.00000 | 602892.1 | 358610.1 | 0.0 | S |
| 59.375 | 0.0000 | 0.0000 | 83.043 | 0.46903 | 0.00000 | 602892.1 | 358624.1 | 0.0 | S |
| 59.383 | 0.0000 | 0.0000 | 83.042 | 0.46896 | 0.00000 | 602892.1 | 358638.2 | 0.0 | S |
| 59.392 | 0.0000 | 0.0000 | 83.042 | 0.46890 | 0.00000 | 602892.1 | 358652.3 | 0.0 | S |
| 59.400 | 0.0000 | 0.0000 | 83.042 | 0.46883 | 0.00000 | 602892.1 | 358666.3 | 0.0 | S |
| 59.408 | 0.0000 | 0.0000 | 83.042 | 0.46876 | 0.00000 | 602892.1 | 358680.4 | 0.0 | S |
| 59.417 | 0.0000 | 0.0000 | 83.042 | 0.46870 | 0.00000 | 602892.1 | 358694.5 | 0.0 | S |
| 59.425 | 0.0000 | 0.0000 | 83.041 | 0.46863 | 0.00000 | 602892.1 | 358708.5 | 0.0 | S |
| 59.433 | 0.0000 | 0.0000 | 83.041 | 0.46856 | 0.00000 | 602892.1 | 358722.6 | 0.0 | S |
| 59.442 | 0.0000 | 0.0000 | 83.041 | 0.46850 | 0.00000 | 602892.1 | 358736.6 | 0.0 | S |
| 59.450 | 0.0000 | 0.0000 | 83.041 | 0.46843 | 0.00000 | 602892.1 | 358750.7 | 0.0 | S |
| 59.458 | 0.0000 | 0.0000 | 83.040 | 0.46836 | 0.00000 | 602892.1 | 358764.8 | 0.0 | S |
| 59.467 | 0.0000 | 0.0000 | 83.040 | 0.46830 | 0.00000 | 602892.1 | 358778.8 | 0.0 | S |
| 59.475 | 0.0000 | 0.0000 | 83.040 | 0.46823 | 0.00000 | 602892.1 | 358792.8 | 0.0 | S |
| 59.483 | 0.0000 | 0.0000 | 83.040 | 0.46817 | 0.00000 | 602892.1 | 358806.9 | 0.0 | S |
| 59.492 | 0.0000 | 0.0000 | 83.040 | 0.46810 | 0.00000 | 602892.1 | 358820.9 | 0.0 | S |
| 59.500 | 0.0000 | 0.0000 | 83.039 | 0.46803 | 0.00000 | 602892.1 | 358835.0 | 0.0 | S |
| 59.508 | 0.0000 | 0.0000 | 83.039 | 0.46797 | 0.00000 | 602892.1 | 358849.0 | 0.0 | S |
| 59.517 | 0.0000 | 0.0000 | 83.039 | 0.46790 | 0.00000 | 602892.1 | 358863.1 | 0.0 | S |
| 59.525 | 0.0000 | 0.0000 | 83.039 | 0.46783 | 0.00000 | 602892.1 | 358877.1 | 0.0 | S |
| 59.533 | 0.0000 | 0.0000 | 83.038 | 0.46777 | 0.00000 | 602892.1 | 358891.1 | 0.0 | S |
| 59.542 | 0.0000 | 0.0000 | 83.038 | 0.46770 | 0.00000 | 602892.1 | 358905.2 | 0.0 | S |
| 59.550 | 0.0000 | 0.0000 | 83.038 | 0.46763 | 0.00000 | 602892.1 | 358919.2 | 0.0 | S |
| 59.558 | 0.0000 | 0.0000 | 83.038 | 0.46757 | 0.00000 | 602892.1 | 358933.2 | 0.0 | S |
| 59.567 | 0.0000 | 0.0000 | 83.038 | 0.46750 | 0.00000 | 602892.1 | 358947.3 | 0.0 | S |
| 59.575 | 0.0000 | 0.0000 | 83.037 | 0.46744 | 0.00000 | 602892.1 | 358961.3 | 0.0 | S |
| 59.583 | 0.0000 | 0.0000 | 83.037 | 0.46737 | 0.00000 | 602892.1 | 358975.3 | 0.0 | S |
| 59.592 | 0.0000 | 0.0000 | 83.037 | 0.46730 | 0.00000 | 602892.1 | 358989.3 | 0.0 | S |
| 59.600 | 0.0000 | 0.0000 | 83.037 | 0.46724 | 0.00000 | 602892.1 | 359003.3 | 0.0 | S |
| 59.608 | 0.0000 | 0.0000 | 83.037 | 0.46717 | 0.00000 | 602892.1 | 359017.3 | 0.0 | S |
| 59.617 | 0.0000 | 0.0000 | 83.036 | 0.46710 | 0.00000 | 602892.1 | 359031.3 | 0.0 | S |
| 59.625 | 0.0000 | 0.0000 | 83.036 | 0.46704 | 0.00000 | 602892.1 | 359045.4 | 0.0 | S |
| 59.633 | 0.0000 | 0.0000 | 83.036 | 0.46697 | 0.00000 | 602892.1 | 359059.4 | 0.0 | S |
| 59.642 | 0.0000 | 0.0000 | 83.036 | 0.46691 | 0.00000 | 602892.1 | 359073.4 | 0.0 | S |
| 59.650 | 0.0000 | 0.0000 | 83.035 | 0.46684 | 0.00000 | 602892.1 | 359087.4 | 0.0 | S |
| 59.658 | 0.0000 | 0.0000 | 83.035 | 0.46677 | 0.00000 | 602892.1 | 359101.4 | 0.0 | S |
| 59.667 | 0.0000 | 0.0000 | 83.035 | 0.46671 | 0.00000 | 602892.1 | 359115.4 | 0.0 | S |
| 59.675 | 0.0000 | 0.0000 | 83.035 | 0.46664 | 0.00000 | 602892.1 | 359129.4 | 0.0 | S |
| 59.683 | 0.0000 | 0.0000 | 83.035 | 0.46658 | 0.00000 | 602892.1 | 359143.4 | 0.0 | S |
| 59.692 | 0.0000 | 0.0000 | 83.034 | 0.46651 | 0.00000 | 602892.1 | 359157.4 | 0.0 | S |
| 59.700 | 0.0000 | 0.0000 | 83.034 | 0.46644 | 0.00000 | 602892.1 | 359171.4 | 0.0 | S |
| 59.708 | 0.0000 | 0.0000 | 83.034 | 0.46638 | 0.00000 | 602892.1 | 359185.4 | 0.0 | S |
| 59.717 | 0.0000 | 0.0000 | 83.034 | 0.46631 | 0.00000 | 602892.1 | 359199.4 | 0.0 | S |
| 59.725 | 0.0000 | 0.0000 | 83.033 | 0.46625 | 0.00000 | 602892.1 | 359213.3 | 0.0 | S |
| 59.733 | 0.0000 | 0.0000 | 83.033 | 0.46618 | 0.00000 | 602892.1 | 359227.3 | 0.0 | S |
| 59.742 | 0.0000 | 0.0000 | 83.033 | 0.46612 | 0.00000 | 602892.1 | 359241.3 | 0.0 | S |
| 59.750 | 0.0000 | 0.0000 | 83.033 | 0.46605 | 0.00000 | 602892.1 | 359255.3 | 0.0 | S |
| 59.758 | 0.0000 | 0.0000 | 83.033 | 0.46598 | 0.00000 | 602892.1 | 359269.3 | 0.0 | S |
| 59.767 | 0.0000 | 0.0000 | 83.032 | 0.46592 | 0.00000 | 602892.1 | 359283.3 | 0.0 | S |
| 59.775 | 0.0000 | 0.0000 | 83.032 | 0.46585 | 0.00000 | 602892.1 | 359297.3 | 0.0 | S |
| 59.783 | 0.0000 | 0.0000 | 83.032 | 0.46579 | 0.00000 | 602892.1 | 359311.2 | 0.0 | S |
| 59.792 | 0.0000 | 0.0000 | 83.032 | 0.46572 | 0.00000 | 602892.1 | 359325.2 | 0.0 | S |
| 59.800 | 0.0000 | 0.0000 | 83.031 | 0.46565 | 0.00000 | 602892.1 | 359339.2 | 0.0 | S |
| 59.808 | 0.0000 | 0.0000 | 83.031 | 0.46559 | 0.00000 | 602892.1 | 359353.1 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year/24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 59.817 | 0.0000 | 0.0000 | 83.031 | 0.46552 | 0.00000 | 602892.1 | 359367.1 | 0.0 | S |
| 59.825 | 0.0000 | 0.0000 | 83.031 | 0.46546 | 0.00000 | 602892.1 | 359381.1 | 0.0 | S |
| 59.833 | 0.0000 | 0.0000 | 83.031 | 0.46539 | 0.00000 | 602892.1 | 359395.0 | 0.0 | S |
| 59.842 | 0.0000 | 0.0000 | 83.030 | 0.46533 | 0.00000 | 602892.1 | 359409.0 | 0.0 | S |
| 59.850 | 0.0000 | 0.0000 | 83.030 | 0.46526 | 0.00000 | 602892.1 | 359422.9 | 0.0 | S |
| 59.858 | 0.0000 | 0.0000 | 83.030 | 0.46520 | 0.00000 | 602892.1 | 359436.9 | 0.0 | S |
| 59.867 | 0.0000 | 0.0000 | 83.030 | 0.46513 | 0.00000 | 602892.1 | 359450.8 | 0.0 | S |
| 59.875 | 0.0000 | 0.0000 | 83.030 | 0.46506 | 0.00000 | 602892.1 | 359464.8 | 0.0 | S |
| 59.883 | 0.0000 | 0.0000 | 83.029 | 0.46500 | 0.00000 | 602892.1 | 359478.8 | 0.0 | S |
| 59.892 | 0.0000 | 0.0000 | 83.029 | 0.46493 | 0.00000 | 602892.1 | 359492.7 | 0.0 | S |
| 59.900 | 0.0000 | 0.0000 | 83.029 | 0.46487 | 0.00000 | 602892.1 | 359506.7 | 0.0 | S |
| 59.908 | 0.0000 | 0.0000 | 83.029 | 0.46480 | 0.00000 | 602892.1 | 359520.6 | 0.0 | S |
| 59.917 | 0.0000 | 0.0000 | 83.028 | 0.46474 | 0.00000 | 602892.1 | 359534.5 | 0.0 | S |
| 59.925 | 0.0000 | 0.0000 | 83.028 | 0.46467 | 0.00000 | 602892.1 | 359548.5 | 0.0 | S |
| 59.933 | 0.0000 | 0.0000 | 83.028 | 0.46461 | 0.00000 | 602892.1 | 359562.4 | 0.0 | S |
| 59.942 | 0.0000 | 0.0000 | 83.028 | 0.46454 | 0.00000 | 602892.1 | 359576.4 | 0.0 | S |
| 59.950 | 0.0000 | 0.0000 | 83.028 | 0.46448 | 0.00000 | 602892.1 | 359590.3 | 0.0 | S |
| 59.958 | 0.0000 | 0.0000 | 83.027 | 0.46441 | 0.00000 | 602892.1 | 359604.2 | 0.0 | S |
| 59.967 | 0.0000 | 0.0000 | 83.027 | 0.46435 | 0.00000 | 602892.1 | 359618.2 | 0.0 | S |
| 59.975 | 0.0000 | 0.0000 | 83.027 | 0.46428 | 0.00000 | 602892.1 | 359632.1 | 0.0 | S |
| 59.983 | 0.0000 | 0.0000 | 83.027 | 0.46421 | 0.00000 | 602892.1 | 359646.0 | 0.0 | S |
| 59.992 | 0.0000 | 0.0000 | 83.026 | 0.46415 | 0.00000 | 602892.1 | 359659.9 | 0.0 | S |
| 60.000 | 0.0000 | 0.0000 | 83.026 | 0.46408 | 0.00000 | 602892.1 | 359673.9 | 0.0 | S |
| 60.008 | 0.0000 | 0.0000 | 83.026 | 0.46402 | 0.00000 | 602892.1 | 359687.8 | 0.0 | S |
| 60.017 | 0.0000 | 0.0000 | 83.026 | 0.46395 | 0.00000 | 602892.1 | 359701.7 | 0.0 | S |
| 60.025 | 0.0000 | 0.0000 | 83.026 | 0.46389 | 0.00000 | 602892.1 | 359715.6 | 0.0 | S |
| 60.033 | 0.0000 | 0.0000 | 83.025 | 0.46382 | 0.00000 | 602892.1 | 359729.5 | 0.0 | S |
| 60.042 | 0.0000 | 0.0000 | 83.025 | 0.46376 | 0.00000 | 602892.1 | 359743.5 | 0.0 | S |
| 60.050 | 0.0000 | 0.0000 | 83.025 | 0.46369 | 0.00000 | 602892.1 | 359757.4 | 0.0 | S |
| 60.058 | 0.0000 | 0.0000 | 83.025 | 0.46363 | 0.00000 | 602892.1 | 359771.3 | 0.0 | S |
| 60.067 | 0.0000 | 0.0000 | 83.024 | 0.46356 | 0.00000 | 602892.1 | 359785.2 | 0.0 | S |
| 60.075 | 0.0000 | 0.0000 | 83.024 | 0.46350 | 0.00000 | 602892.1 | 359799.1 | 0.0 | S |
| 60.083 | 0.0000 | 0.0000 | 83.024 | 0.46343 | 0.00000 | 602892.1 | 359813.0 | 0.0 | S |
| 60.092 | 0.0000 | 0.0000 | 83.024 | 0.46337 | 0.00000 | 602892.1 | 359826.9 | 0.0 | S |
| 60.100 | 0.0000 | 0.0000 | 83.024 | 0.46330 | 0.00000 | 602892.1 | 359840.8 | 0.0 | S |
| 60.108 | 0.0000 | 0.0000 | 83.023 | 0.46324 | 0.00000 | 602892.1 | 359854.7 | 0.0 | S |
| 60.117 | 0.0000 | 0.0000 | 83.023 | 0.46317 | 0.00000 | 602892.1 | 359868.6 | 0.0 | S |
| 60.125 | 0.0000 | 0.0000 | 83.023 | 0.46311 | 0.00000 | 602892.1 | 359882.5 | 0.0 | S |
| 60.133 | 0.0000 | 0.0000 | 83.023 | 0.46304 | 0.00000 | 602892.1 | 359896.4 | 0.0 | S |
| 60.142 | 0.0000 | 0.0000 | 83.023 | 0.46298 | 0.00000 | 602892.1 | 359910.3 | 0.0 | S |
| 60.150 | 0.0000 | 0.0000 | 83.022 | 0.46291 | 0.00000 | 602892.1 | 359924.2 | 0.0 | S |
| 60.158 | 0.0000 | 0.0000 | 83.022 | 0.46285 | 0.00000 | 602892.1 | 359938.0 | 0.0 | S |
| 60.167 | 0.0000 | 0.0000 | 83.022 | 0.46278 | 0.00000 | 602892.1 | 359951.9 | 0.0 | S |
| 60.175 | 0.0000 | 0.0000 | 83.022 | 0.46272 | 0.00000 | 602892.1 | 359965.8 | 0.0 | S |
| 60.183 | 0.0000 | 0.0000 | 83.021 | 0.46265 | 0.00000 | 602892.1 | 359979.7 | 0.0 | S |
| 60.192 | 0.0000 | 0.0000 | 83.021 | 0.46259 | 0.00000 | 602892.1 | 359993.6 | 0.0 | S |
| 60.200 | 0.0000 | 0.0000 | 83.021 | 0.46253 | 0.00000 | 602892.1 | 360007.4 | 0.0 | S |
| 60.208 | 0.0000 | 0.0000 | 83.021 | 0.46246 | 0.00000 | 602892.1 | 360021.3 | 0.0 | S |
| 60.217 | 0.0000 | 0.0000 | 83.021 | 0.46240 | 0.00000 | 602892.1 | 360035.2 | 0.0 | S |
| 60.225 | 0.0000 | 0.0000 | 83.020 | 0.46233 | 0.00000 | 602892.1 | 360049.1 | 0.0 | S |
| 60.233 | 0.0000 | 0.0000 | 83.020 | 0.46227 | 0.00000 | 602892.1 | 360062.9 | 0.0 | S |
| 60.242 | 0.0000 | 0.0000 | 83.020 | 0.46220 | 0.00000 | 602892.1 | 360076.8 | 0.0 | S |
| 60.250 | 0.0000 | 0.0000 | 83.020 | 0.46214 | 0.00000 | 602892.1 | 360090.7 | 0.0 | S |
| 60.258 | 0.0000 | 0.0000 | 83.019 | 0.46207 | 0.00000 | 602892.1 | 360104.5 | 0.0 | S |
| 60.267 | 0.0000 | 0.0000 | 83.019 | 0.46201 | 0.00000 | 602892.1 | 360118.4 | 0.0 | S |
| 60.275 | 0.0000 | 0.0000 | 83.019 | 0.46194 | 0.00000 | 602892.1 | 360132.3 | 0.0 | S |
| 60.283 | 0.0000 | 0.0000 | 83.019 | 0.46188 | 0.00000 | 602892.1 | 360146.1 | 0.0 | S |
| 60.292 | 0.0000 | 0.0000 | 83.019 | 0.46181 | 0.00000 | 602892.1 | 360160.0 | 0.0 | S |
| 60.300 | 0.0000 | 0.0000 | 83.018 | 0.46175 | 0.00000 | 602892.1 | 360173.8 | 0.0 | S |
| 60.308 | 0.0000 | 0.0000 | 83.018 | 0.46169 | 0.00000 | 602892.1 | 360187.7 | 0.0 | S |
| 60.317 | 0.0000 | 0.0000 | 83.018 | 0.46162 | 0.00000 | 602892.1 | 360201.5 | 0.0 | S |
| 60.325 | 0.0000 | 0.0000 | 83.018 | 0.46156 | 0.00000 | 602892.1 | 360215.4 | 0.0 | S |
| 60.333 | 0.0000 | 0.0000 | 83.018 | 0.46149 | 0.00000 | 602892.1 | 360229.2 | 0.0 | S |
| 60.342 | 0.0000 | 0.0000 | 83.017 | 0.46143 | 0.00000 | 602892.1 | 360243.1 | 0.0 | S |
| 60.350 | 0.0000 | 0.0000 | 83.017 | 0.46136 | 0.00000 | 602892.1 | 360256.9 | 0.0 | S |
| 60.358 | 0.0000 | 0.0000 | 83.017 | 0.46130 | 0.00000 | 602892.1 | 360270.8 | 0.0 | S |
| 60.367 | 0.0000 | 0.0000 | 83.017 | 0.46123 | 0.00000 | 602892.1 | 360284.6 | 0.0 | S |
| 60.375 | 0.0000 | 0.0000 | 83.016 | 0.46117 | 0.00000 | 602892.1 | 360298.4 | 0.0 | S |
| 60.383 | 0.0000 | 0.0000 | 83.016 | 0.46111 | 0.00000 | 602892.1 | 360312.3 | 0.0 | S |
| 60.392 | 0.0000 | 0.0000 | 83.016 | 0.46104 | 0.00000 | 602892.1 | 360326.1 | 0.0 | S |
| 60.400 | 0.0000 | 0.0000 | 83.016 | 0.46098 | 0.00000 | 602892.1 | 360339.9 | 0.0 | S |
| 60.408 | 0.0000 | 0.0000 | 83.016 | 0.46091 | 0.00000 | 602892.1 | 360353.8 | 0.0 | S |
| 60.417 | 0.0000 | 0.0000 | 83.015 | 0.46085 | 0.00000 | 602892.1 | 360367.6 | 0.0 | S |
| 60.425 | 0.0000 | 0.0000 | 83.015 | 0.46078 | 0.00000 | 602892.1 | 360381.4 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year/24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate (f13/s) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 60.433 | 0.0000 | 0.0000 | 83.015 | 0.46072 | 0.00000 | 602892.1 | 360395.2 | 0.0 | S |
| 60.442 | 0.0000 | 0.0000 | 83.015 | 0.46066 | 0.00000 | 602892.1 | 360409.0 | 0.0 | S |
| 60.450 | 0.0000 | 0.0000 | 83.014 | 0.46059 | 0.00000 | 602892.1 | 360422.8 | 0.0 | S |
| 60.458 | 0.0000 | 0.0000 | 83.014 | 0.46053 | 0.00000 | 602892.1 | 360436.7 | 0.0 | S |
| 60.467 | 0.0000 | 0.0000 | 83.014 | 0.46046 | 0.00000 | 602892.1 | 360450.5 | 0.0 | S |
| 60.475 | 0.0000 | 0.0000 | 83.014 | 0.46040 | 0.00000 | 602892.1 | 360464.3 | 0.0 | S |
| 60.483 | 0.0000 | 0.0000 | 83.014 | 0.46034 | 0.00000 | 602892.1 | 360478.1 | 0.0 | S |
| 60.492 | 0.0000 | 0.0000 | 83.013 | 0.46027 | 0.00000 | 602892.1 | 360491.9 | 0.0 | S |
| 60.500 | 0.0000 | 0.0000 | 83.013 | 0.46021 | 0.00000 | 602892.1 | 360505.7 | 0.0 | S |
| 60.508 | 0.0000 | 0.0000 | 83.013 | 0.46014 | 0.00000 | 602892.1 | 360519.5 | 0.0 | S |
| 60.517 | 0.0000 | 0.0000 | 83.013 | 0.46008 | 0.00000 | 602892.1 | 360533.3 | 0.0 | S |
| 60.525 | 0.0000 | 0.0000 | 83.013 | 0.46002 | 0.00000 | 602892.1 | 360547.1 | 0.0 | S |
| 60.533 | 0.0000 | 0.0000 | 83.012 | 0.45995 | 0.00000 | 602892.1 | 360560.9 | 0.0 | S |
| 60.542 | 0.0000 | 0.0000 | 83.012 | 0.45989 | 0.00000 | 602892.1 | 360574.7 | 0.0 | S |
| 60.550 | 0.0000 | 0.0000 | 83.012 | 0.45982 | 0.00000 | 602892.1 | 360588.5 | 0.0 | S |
| 60.558 | 0.0000 | 0.0000 | 83.012 | 0.45976 | 0.00000 | 602892.1 | 360602.3 | 0.0 | S |
| 60.567 | 0.0000 | 0.0000 | 83.011 | 0.45970 | 0.00000 | 602892.1 | 360616.1 | 0.0 | S |
| 60.575 | 0.0000 | 0.0000 | 83.011 | 0.45963 | 0.00000 | 602892.1 | 360629.9 | 0.0 | S |
| 60.583 | 0.0000 | 0.0000 | 83.011 | 0.45957 | 0.00000 | 602892.1 | 360643.7 | 0.0 | S |
| 60.592 | 0.0000 | 0.0000 | 83.011 | 0.45950 | 0.00000 | 602892.1 | 360657.5 | 0.0 | S |
| 60.600 | 0.0000 | 0.0000 | 83.011 | 0.45944 | 0.00000 | 602892.1 | 360671.3 | 0.0 | S |
| 60.608 | 0.0000 | 0.0000 | 83.010 | 0.45938 | 0.00000 | 602892.1 | 360685.0 | 0.0 | S |
| 60.617 | 0.0000 | 0.0000 | 83.010 | 0.45931 | 0.00000 | 602892.1 | 360698.8 | 0.0 | S |
| 60.625 | 0.0000 | 0.0000 | 83.010 | 0.45925 | 0.00000 | 602892.1 | 360712.6 | 0.0 | S |
| 60.633 | 0.0000 | 0.0000 | 83.010 | 0.45919 | 0.00000 | 602892.1 | 360726.4 | 0.0 | S |
| 60.642 | 0.0000 | 0.0000 | 83.009 | 0.45912 | 0.00000 | 602892.1 | 360740.2 | 0.0 | S |
| 60.650 | 0.0000 | 0.0000 | 83.009 | 0.45906 | 0.00000 | 602892.1 | 360753.9 | 0.0 | S |
| 60.658 | 0.0000 | 0.0000 | 83.009 | 0.45899 | 0.00000 | 602892.1 | 360767.7 | 0.0 | S |
| 60.667 | 0.0000 | 0.0000 | 83.009 | 0.45893 | 0.00000 | 602892.1 | 360781.5 | 0.0 | S |
| 60.675 | 0.0000 | 0.0000 | 83.009 | 0.45887 | 0.00000 | 602892.1 | 360795.2 | 0.0 | S |
| 60.683 | 0.0000 | 0.0000 | 83.008 | 0.45880 | 0.00000 | 602892.1 | 360809.0 | 0.0 | S |
| 60.692 | 0.0000 | 0.0000 | 83.008 | 0.45874 | 0.00000 | 602892.1 | 360822.8 | 0.0 | S |
| 60.700 | 0.0000 | 0.0000 | 83.008 | 0.45868 | 0.00000 | 602892.1 | 360836.5 | 0.0 | S |
| 60.708 | 0.0000 | 0.0000 | 83.008 | 0.45861 | 0.00000 | 602892.1 | 360850.3 | 0.0 | S |
| 60.717 | 0.0000 | 0.0000 | 83.008 | 0.45855 | 0.00000 | 602892.1 | 360864.0 | 0.0 | S |
| 60.725 | 0.0000 | 0.0000 | 83.007 | 0.45849 | 0.00000 | 602892.1 | 360877.8 | 0.0 | S |
| 60.733 | 0.0000 | 0.0000 | 83.007 | 0.45842 | 0.00000 | 602892.1 | 360891.5 | 0.0 | S |
| 60.742 | 0.0000 | 0.0000 | 83.007 | 0.45836 | 0.00000 | 602892.1 | 360905.3 | 0.0 | S |
| 60.750 | 0.0000 | 0.0000 | 83.007 | 0.45829 | 0.00000 | 602892.1 | 360919.0 | 0.0 | S |
| 60.758 | 0.0000 | 0.0000 | 83.006 | 0.45823 | 0.00000 | 602892.1 | 360932.8 | 0.0 | S |
| 60.767 | 0.0000 | 0.0000 | 83.006 | 0.45817 | 0.00000 | 602892.1 | 360946.5 | 0.0 | S |
| 60.775 | 0.0000 | 0.0000 | 83.006 | 0.45810 | 0.00000 | 602892.1 | 360960.3 | 0.0 | S |
| 60.783 | 0.0000 | 0.0000 | 83.006 | 0.45804 | 0.00000 | 602892.1 | 360974.0 | 0.0 | S |
| 60.792 | 0.0000 | 0.0000 | 83.006 | 0.45798 | 0.00000 | 602892.1 | 360987.8 | 0.0 | S |
| 60.800 | 0.0000 | 0.0000 | 83.005 | 0.45791 | 0.00000 | 602892.1 | 361001.5 | 0.0 | S |
| 60.808 | 0.0000 | 0.0000 | 83.005 | 0.45785 | 0.00000 | 602892.1 | 361015.3 | 0.0 | S |
| 60.817 | 0.0000 | 0.0000 | 83.005 | 0.45779 | 0.00000 | 602892.1 | 361029.0 | 0.0 | S |
| 60.825 | 0.0000 | 0.0000 | 83.005 | 0.45772 | 0.00000 | 602892.1 | 361042.7 | 0.0 | S |
| 60.833 | 0.0000 | 0.0000 | 83.005 | 0.45766 | 0.00000 | 602892.1 | 361056.4 | 0.0 | S |
| 60.842 | 0.0000 | 0.0000 | 83.004 | 0.45760 | 0.00000 | 602892.1 | 361070.2 | 0.0 | S |
| 60.850 | 0.0000 | 0.0000 | 83.004 | 0.45753 | 0.00000 | 602892.1 | 361083.9 | 0.0 | S |
| 60.858 | 0.0000 | 0.0000 | 83.004 | 0.45747 | 0.00000 | 602892.1 | 361097.6 | 0.0 | S |
| 60.867 | 0.0000 | 0.0000 | 83.004 | 0.45741 | 0.00000 | 602892.1 | 361111.3 | 0.0 | S |
| 60.875 | 0.0000 | 0.0000 | 83.003 | 0.45734 | 0.00000 | 602892.1 | 361125.1 | 0.0 | S |
| 60.883 | 0.0000 | 0.0000 | 83.003 | 0.45728 | 0.00000 | 602892.1 | 361138.8 | 0.0 | S |
| 60.892 | 0.0000 | 0.0000 | 83.003 | 0.45722 | 0.00000 | 602892.1 | 361152.5 | 0.0 | S |
| 60.900 | 0.0000 | 0.0000 | 83.003 | 0.45716 | 0.00000 | 602892.1 | 361166.2 | 0.0 | S |
| 60.908 | 0.0000 | 0.0000 | 83.003 | 0.45709 | 0.00000 | 602892.1 | 361179.9 | 0.0 | S |
| 60.917 | 0.0000 | 0.0000 | 83.002 | 0.45703 | 0.00000 | 602892.1 | 361193.7 | 0.0 | S |
| 60.925 | 0.0000 | 0.0000 | 83.002 | 0.45697 | 0.00000 | 602892.1 | 361207.3 | 0.0 | S |
| 60.933 | 0.0000 | 0.0000 | 83.002 | 0.45690 | 0.00000 | 602892.1 | 361221.1 | 0.0 | S |
| 60.942 | 0.0000 | 0.0000 | 83.002 | 0.45684 | 0.00000 | 602892.1 | 361234.8 | 0.0 | S |
| 60.950 | 0.0000 | 0.0000 | 83.001 | 0.45678 | 0.00000 | 602892.1 | 361248.5 | 0.0 | S |
| 60.958 | 0.0000 | 0.0000 | 83.001 | 0.45671 | 0.00000 | 602892.1 | 361262.2 | 0.0 | S |
| 60.967 | 0.0000 | 0.0000 | 83.001 | 0.45665 | 0.00000 | 602892.1 | 361275.9 | 0.0 | S |
| 60.975 | 0.0000 | 0.0000 | 83.001 | 0.45659 | 0.00000 | 602892.1 | 361289.6 | 0.0 | S |
| 60.983 | 0.0000 | 0.0000 | 83.001 | 0.45652 | 0.00000 | 602892.1 | 361303.3 | 0.0 | S |
| 60.992 | 0.0000 | 0.0000 | 83.000 | 0.45646 | 0.00000 | 602892.1 | 361317.0 | 0.0 | S |
| 61.000 | 0.0000 | 0.0000 | 83.000 | 0.45640 | 0.00000 | 602892.1 | 361330.7 | 0.0 | S |
| 61.008 | 0.0000 | 0.0000 | 83.000 | 0.45634 | 0.00000 | 602892.1 | 361344.3 | 0.0 | S |
| 61.017 | 0.0000 | 0.0000 | 83.000 | 0.45627 | 0.00000 | 602892.1 | 361358.0 | 0.0 | S |
| 61.025 | 0.0000 | 0.0000 | 83.000 | 0.45621 | 0.00000 | 602892.1 | 361371.7 | 0.0 | S |
| 61.033 | 0.0000 | 0.0000 | 82.999 | 0.45615 | 0.00000 | 602892.1 | 361385.4 | 0.0 | S |
| 61.042 | 0.0000 | 0.0000 | 82.999 | 0.45608 | 0.00000 | 602892.1 | 361399.1 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Overflow Discharge (f $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 61.050 | 0.0000 | 0.0000 | 82.999 | 0.45602 | 0.00000 | 602892.1 | 361412.8 | 0.0 | S |
| 61.058 | 0.0000 | 0.0000 | 82.999 | 0.45596 | 0.00000 | 602892.1 | 361426.5 | 0.0 | S |
| 61.067 | 0.0000 | 0.0000 | 82.998 | 0.45590 | 0.00000 | 602892.1 | 361440.1 | 0.0 | S |
| 61.075 | 0.0000 | 0.0000 | 82.998 | 0.45583 | 0.00000 | 602892.1 | 361453.8 | 0.0 | S |
| 61.083 | 0.0000 | 0.0000 | 82.998 | 0.45577 | 0.00000 | 602892.1 | 361467.5 | 0.0 | S |
| 61.092 | 0.0000 | 0.0000 | 82.998 | 0.45571 | 0.00000 | 602892.1 | 361481.2 | 0.0 | S |
| 61.100 | 0.0000 | 0.0000 | 82.998 | 0.45565 | 0.00000 | 602892.1 | 361494.8 | 0.0 | S |
| 61.108 | 0.0000 | 0.0000 | 82.997 | 0.45558 | 0.00000 | 602892.1 | 361508.5 | 0.0 | S |
| 61.117 | 0.0000 | 0.0000 | 82.997 | 0.45552 | 0.00000 | 602892.1 | 361522.2 | 0.0 | S |
| 61.125 | 0.0000 | 0.0000 | 82.997 | 0.45546 | 0.00000 | 602892.1 | 361535.8 | 0.0 | S |
| 61.133 | 0.0000 | 0.0000 | 82.997 | 0.45539 | 0.00000 | 602892.1 | 361549.5 | 0.0 | S |
| 61.142 | 0.0000 | 0.0000 | 82.997 | 0.45533 | 0.00000 | 602892.1 | 361563.2 | 0.0 | S |
| 61.150 | 0.0000 | 0.0000 | 82.996 | 0.45527 | 0.00000 | 602892.1 | 361576.8 | 0.0 | S |
| 61.158 | 0.0000 | 0.0000 | 82.996 | 0.45521 | 0.00000 | 602892.1 | 361590.5 | 0.0 | S |
| 61.967 | 0.0000 | 0.0000 | 82.996 | 0.45514 | 0.00000 | 602892.1 | 361604.1 | 0.0 | S |
| 61.175 | 0.0000 | 0.0000 | 82.996 | 0.45508 | 0.00000 | 602892.1 | 361617.8 | 0.0 | S |
| 61.183 | 0.0000 | 0.0000 | 82.995 | 0.45502 | 0.00000 | 602892.1 | 361631.4 | 0.0 | S |
| 61.192 | 0.0000 | 0.0000 | 82.995 | 0.45496 | 0.00000 | 602892.1 | 361645.1 | 0.0 | S |
| 61.200 | 0.0000 | 0.0000 | 82.995 | 0.45489 | 0.00000 | 602892.1 | 361658.7 | 0.0 | S |
| 61.208 | 0.0000 | 0.0000 | 82.995 | 0.45483 | 0.00000 | 602892.1 | 361672.4 | 0.0 | S |
| 61.217 | 0.0000 | 0.0000 | 82.995 | 0.45477 | 0.00000 | 602892.1 | 361686.0 | 0.0 | S |
| 61.225 | 0.0000 | 0.0000 | 82.994 | 0.45471 | 0.00000 | 602892.1 | 361699.7 | 0.0 | S |
| 61.233 | 0.0000 | 0.0000 | 82.994 | 0.45464 | 0.00000 | 602892.1 | 361713.3 | 0.0 | S |
| 61.242 | 0.0000 | 0.0000 | 82.994 | 0.45458 | 0.00000 | 602892.1 | 361726.9 | 0.0 | S |
| 61.250 | 0.0000 | 0.0000 | 82.994 | 0.45452 | 0.00000 | 602892.1 | 361740.6 | 0.0 | S |
| 61.258 | 0.0000 | 0.0000 | 82.994 | 0.45446 | 0.00000 | 602892.1 | 361754.2 | 0.0 | S |
| 61.267 | 0.0000 | 0.0000 | 82.993 | 0.45440 | 0.00000 | 602892.1 | 361767.8 | 0.0 | S |
| 61.275 | 0.0000 | 0.0000 | 82.993 | 0.45433 | 0.00000 | 602892.1 | 361781.5 | 0.0 | S |
| 61.283 | 0.0000 | 0.0000 | 82.993 | 0.45427 | 0.00000 | 602892.1 | 361795.1 | 0.0 | S |
| 61.292 | 0.0000 | 0.0000 | 82.993 | 0.45421 | 0.00000 | 602892.1 | 361808.7 | 0.0 | S |
| 61.300 | 0.0000 | 0.0000 | 82.992 | 0.45415 | 0.00000 | 602892.1 | 361822.3 | 0.0 | S |
| 61.308 | 0.0000 | 0.0000 | 82.992 | 0.45408 | 0.00000 | 602892.1 | 361836.0 | 0.0 | S |
| 61.317 | 0.0000 | 0.0000 | 82.992 | 0.45402 | 0.00000 | 602892.1 | 361849.6 | 0.0 | S |
| 61.325 | 0.0000 | 0.0000 | 82.992 | 0.45396 | 0.00000 | 602892.1 | 361863.2 | 0.0 | S |
| 61.333 | 0.0000 | 0.0000 | 82.992 | 0.45390 | 0.00000 | 602892.1 | 361876.8 | 0.0 | S |
| 61.342 | 0.0000 | 0.0000 | 82.991 | 0.45384 | 0.00000 | 602892.1 | 361890.4 | 0.0 | S |
| 61.350 | 0.0000 | 0.0000 | 82.991 | 0.45377 | 0.00000 | 602892.1 | 361904.1 | 0.0 | S |
| 61.358 | 0.0000 | 0.0000 | 82.991 | 0.45371 | 0.00000 | 602892.1 | 361917.7 | 0.0 | S |
| 61.367 | 0.0000 | 0.0000 | 82.991 | 0.45365 | 0.00000 | 602892.1 | 361931.3 | 0.0 | S |
| 61.375 | 0.0000 | 0.0000 | 82.991 | 0.45359 | 0.00000 | 602892.1 | 361944.9 | 0.0 | S |
| 61.383 | 0.0000 | 0.0000 | 82.990 | 0.45352 | 0.00000 | 602892.1 | 361958.5 | 0.0 | S |
| 61.392 | 0.0000 | 0.0000 | 82.990 | 0.45346 | 0.00000 | 602892.1 | 361972.1 | 0.0 | S |
| 61.400 | 0.0000 | 0.0000 | 82.990 | 0.45340 | 0.00000 | 602892.1 | 361985.7 | 0.0 | S |
| 61.408 | 0.0000 | 0.0000 | 82.990 | 0.45334 | 0.00000 | 602892.1 | 361999.3 | 0.0 | S |
| 61.417 | 0.0000 | 0.0000 | 82.989 | 0.45328 | 0.00000 | 602892.1 | 362012.9 | 0.0 | S |
| 61.425 | 0.0000 | 0.0000 | 82.989 | 0.45321 | 0.00000 | 602892.1 | 362026.5 | 0.0 | S |
| 61.433 | 0.0000 | 0.0000 | 82.989 | 0.45315 | 0.00000 | 602892.1 | 362040.1 | 0.0 | S |
| 61.442 | 0.0000 | 0.0000 | 82.989 | 0.45309 | 0.00000 | 602892.1 | 362053.7 | 0.0 | S |
| 61.450 | 0.0000 | 0.0000 | 82.989 | 0.45303 | 0.00000 | 602892.1 | 362067.3 | 0.0 | S |
| 61.458 | 0.0000 | 0.0000 | 82.988 | 0.45297 | 0.00000 | 602892.1 | 362080.9 | 0.0 | S |
| 61.467 | 0.0000 | 0.0000 | 82.988 | 0.45290 | 0.00000 | 602892.1 | 362094.5 | 0.0 | S |
| 61.475 | 0.0000 | 0.0000 | 82.988 | 0.45284 | 0.00000 | 602892.1 | 362108.1 | 0.0 | S |
| 61.483 | 0.0000 | 0.0000 | 82.988 | 0.45278 | 0.00000 | 602892.1 | 362121.6 | 0.0 | S |
| 61.492 | 0.0000 | 0.0000 | 82.988 | 0.45272 | 0.00000 | 602892.1 | 362135.2 | 0.0 | S |
| 61.500 | 0.0000 | 0.0000 | 82.987 | 0.45266 | 0.00000 | 602892.1 | 362148.8 | 0.0 | S |
| 61.508 | 0.0000 | 0.0000 | 82.987 | 0.45260 | 0.00000 | 602892.1 | 362162.4 | 0.0 | S |
| 61.517 | 0.0000 | 0.0000 | 82.987 | 0.45253 | 0.00000 | 602892.1 | 362176.0 | 0.0 | S |
| 61.525 | 0.0000 | 0.0000 | 82.987 | 0.45247 | 0.00000 | 602892.1 | 362189.5 | 0.0 | S |
| 61.533 | 0.0000 | 0.0000 | 82.986 | 0.45241 | 0.00000 | 602892.1 | 362203.1 | 0.0 | S |
| 61.542 | 0.0000 | 0.0000 | 82.986 | 0.45235 | 0.00000 | 602892.1 | 362216.7 | 0.0 | S |
| 61.550 | 0.0000 | 0.0000 | 82.986 | 0.45229 | 0.00000 | 602892.1 | 362230.3 | 0.0 | S |
| 61.558 | 0.0000 | 0.0000 | 82.986 | 0.45223 | 0.00000 | 602892.1 | 362243.8 | 0.0 | S |
| 61.567 | 0.0000 | 0.0000 | 82.986 | 0.45216 | 0.00000 | 602892.1 | 362257.4 | 0.0 | S |
| 61.575 | 0.0000 | 0.0000 | 82.985 | 0.45210 | 0.00000 | 602892.1 | 362270.9 | 0.0 | S |
| 61.583 | 0.0000 | 0.0000 | 82.985 | 0.45204 | 0.00000 | 602892.1 | 362284.5 | 0.0 | S |
| 61.592 | 0.0000 | 0.0000 | 82.985 | 0.45198 | 0.00000 | 602892.1 | 362298.1 | 0.0 | S |
| 61.600 | 0.0000 | 0.0000 | 82.985 | 0.45192 | 0.00000 | 602892.1 | 362311.6 | 0.0 | S |
| 61.608 | 0.0000 | 0.0000 | 82.985 | 0.45186 | 0.00000 | 602892.1 | 362325.2 | 0.0 | S |
| 61.617 | 0.0000 | 0.0000 | 82.984 | 0.45179 | 0.00000 | 602892.1 | 362338.7 | 0.0 | S |
| 61.625 | 0.0000 | 0.0000 | 82.984 | 0.45173 | 0.00000 | 602892.1 | 362352.3 | 0.0 | S |
| 61.633 | 0.0000 | 0.0000 | 82.984 | 0.45167 | 0.00000 | 602892.1 | 362365.8 | 0.0 | S |
| 61.642 | 0.0000 | 0.0000 | 82.984 | 0.45161 | 0.00000 | 602892.1 | 362379.4 | 0.0 | S |
| 61.650 | 0.0000 | 0.0000 | 82.983 | 0.45155 | 0.00000 | 602892.1 | 362392.9 | 0.0 | S |
| 61.658 | 0.0000 | 0.0000 | 82.983 | 0.45149 | 0.00000 | 602892.1 | 362406.5 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | inflow Rate ( $\mathrm{tt}^{3 / \mathrm{s}}$ ) | Outside Recharge (ftday) | Stage Elevation ( ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{f}{ }^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume (fis) | Cumulative Infilitration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 61.667 | 0.0000 | 0.0000 | 82.983 | 0.45142 | 0.00000 | 602892.1 | 362420.0 | 0.0 | S |
| 61.675 | 0.0000 | 0.0000 | 82.983 | 0.45136 | 0.00000 | 602892.1 | 362433.6 | 0.0 | S |
| 61.683 | 0.0000 | 0.0000 | 82.983 | 0.45130 | 0.00000 | 602892.1 | 362447.1 | 0.0 | S |
| 61.692 | 0.0000 | 0.0000 | 82.982 | 0.45124 | 0.00000 | 602892.1 | 362460.7 | 0.0 | S |
| 61.700 | 0.0000 | 0.0000 | 82.982 | 0.45118 | 0.00000 | 602892.1 | 362474.2 | 0.0 | S |
| 61.708 | 0.0000 | 0.0000 | 82.982 | 0.45112 | 0.00000 | 602892.1 | 362487.7 | 0.0 | S |
| 61.717 | 0.0000 | 0.0000 | 82.982 | 0.45106 | 0.00000 | 602892.1 | 362501.3 | 0.0 | S |
| 61.725 | 0.0000 | 0.0000 | 82.982 | 0.45100 | 0.00000 | 602892.1 | 362514.8 | 0.0 | S |
| 61.733 | 0.0000 | 0.0000 | 82.981 | 0.45093 | 0.00000 | 602892.1 | 362528.3 | 0.0 | S |
| 61.742 | 0.0000 | 0.0000 | 82.981 | 0.45087 | 0.00000 | 602892.1 | 362541.8 | 0.0 | S |
| 61.750 | 0.0000 | 0.0000 | 82.981 | 0.45081 | 0.00000 | 602892.1 | 362555.3 | 0.0 | S |
| 61.758 | 0.0000 | 0.0000 | 82.981 | 0.45075 | 0.00000 | 602892.1 | 362568.9 | 0.0 | S |
| 61.767 | 0.0000 | 0.0000 | 82.980 | 0.45069 | 0.00000 | 602892.1 | 362582.4 | 0.0 | S |
| 61.775 | 0.0000 | 0.0000 | 82.980 | 0.45063 | 0.00000 | 602892.1 | 362595.9 | 0.0 | S |
| 61.783 | 0.0000 | 0.0000 | 82.980 | 0.45057 | 0.00000 | 602892.1 | 362609.4 | 0.0 | S |
| 61.792 | 0.0000 | 0.0000 | 82.980 | 0.45051 | 0.00000 | 602892.1 | 362623.0 | 0.0 | S |
| 61.800 | 0.0000 | 0.0000 | 82.980 | 0.45044 | 0.00000 | 602892.1 | 362636.5 | 0.0 | S |
| 61.808 | 0.0000 | 0.0000 | 82.979 | 0.45038 | 0.00000 | 602892.1 | 362650.0 | 0.0 | S |
| 61.817 | 0.0000 | 0.0000 | 82.979 | 0.45032 | 0.00000 | 602892.1 | 362663.5 | 0.0 | S |
| 61.825 | 0.0000 | 0.0000 | 82.979 | 0.45026 | 0.00000 | 602892.1 | 362677.0 | 0.0 | S |
| 61.833 | 0.0000 | 0.0000 | 82.979 | 0.45020 | 0.00000 | 602892.1 | 362690.5 | 0.0 | S |
| 61.842 | 0.0000 | 0.0000 | 82.979 | 0.45014 | 0.00000 | 602892.1 | 362704.0 | 0.0 | S |
| 61.850 | 0.0000 | 0.0000 | 82.978 | 0.45008 | 0.00000 | 602892.1 | 362717.5 | 0.0 | S |
| 61.858 | 0.0000 | 0.0000 | 82.978 | 0.45002 | 0.00000 | 602892.1 | 362731.0 | 0.0 | S |
| 61.867 | 0.0000 | 0.0000 | 82.978 | 0.44996 | 0.00000 | 602892.1 | 362744.5 | 0.0 | S |
| 61.875 | 0.0000 | 0.0000 | 82.978 | 0.44989 | 0.00000 | 602892.1 | 362758.0 | 0.0 | S |
| 61.883 | 0.0000 | 0.0000 | 82.978 | 0.44983 | 0.00000 | 602892.1 | 362771.5 | 0.0 | S |
| 61.892 | 0.0000 | 0.0000 | 82.977 | 0.44977 | 0.00000 | 602892.1 | 362785.0 | 0.0 | S |
| 61.900 | 0.0000 | 0.0000 | 82.977 | 0.44971 | 0.00000 | 602892.1 | 362798.5 | 0.0 | S |
| 61.908 | 0.0000 | 0.0000 | 82.977 | 0.44965 | 0.00000 | 602892.1 | 362812.0 | 0.0 | S |
| 61.917 | 0.0000 | 0.0000 | 82.977 | 0.44959 | 0.00000 | 602892.1 | 362825.5 | 0.0 | S |
| 61.925 | 0.0000 | 0.0000 | 82.976 | 0.44953 | 0.00000 | 602892.1 | 362839.0 | 0.0 | S |
| 61.933 | 0.0000 | 0.0000 | 82.976 | 0.44947 | 0.00000 | 602892.1 | 362852.4 | 0.0 | S |
| 61.942 | 0.0000 | 0.0000 | 82.976 | 0.44941 | 0.00000 | 602892.1 | 362865.9 | 0.0 | S |
| 61.950 | 0.0000 | 0.0000 | 82.976 | 0.44935 | 0.00000 | 602892.1 | 362879.4 | 0.0 | S |
| 61.958 | 0.0000 | 0.0000 | 82.976 | 0.44929 | 0.00000 | 602892.1 | 362892.9 | 0.0 | S |
| 61.967 | 0.0000 | 0.0000 | 82.975 | 0.44922 | 0.00000 | 602892.1 | 362906.4 | 0.0 | S |
| 61.975 | 0.0000 | 0.0000 | 82.975 | 0.44916 | 0.00000 | 602892.1 | 362919.8 | 0.0 | S |
| 61.983 | 0.0000 | 0.0000 | 82.975 | 0.44910 | 0.00000 | 602892.1 | 362933.3 | 0.0 | S |
| 61.992 | 0.0000 | 0.0000 | 82.975 | 0.44904 | 0.00000 | 602892.1 | 362946.8 | 0.0 | S |
| 62.000 | 0.0000 | 0.0000 | 82.975 | 0.44898 | 0.00000 | 602892.1 | 362960.3 | 0.0 | S |
| 62.008 | 0.0000 | 0.0000 | 82.974 | 0.44892 | 0.00000 | 602892.1 | 362973.7 | 0.0 | S |
| 62.017 | 0.0000 | 0.0000 | 82.974 | 0.44886 | 0.00000 | 602892.1 | 362987.2 | 0.0 | S |
| 62.025 | 0.0000 | 0.0000 | 82.974 | 0.44880 | 0.00000 | 602892.1 | 363000.7 | 0.0 | S |
| 62.033 | 0.0000 | 0.0000 | 82.974 | 0.44874 | 0.00000 | 602892.1 | 363014.1 | 0.0 | S |
| 62.042 | 0.0000 | 0.0000 | 82.973 | 0.44868 | 0.00000 | 602892.1 | 363027.6 | 0.0 | S |
| 62.050 | 0.0000 | 0.0000 | 82.973 | 0.44862 | 0.00000 | 602892.1 | 363041.0 | 0.0 | S |
| 62.058 | 0.0000 | 0.0000 | 82.973 | 0.44856 | 0.00000 | 602892.1 | 363054.5 | 0.0 | S |
| 62.067 | 0.0000 | 0.0000 | 82.973 | 0.44850 | 0.00000 | 602892.1 | 363068.0 | 0.0 | S |
| 62.075 | 0.0000 | 0.0000 | 82.973 | 0.44844 | 0.00000 | 602892.1 | 363081.4 | 0.0 | S |
| 62.083 | 0.0000 | 0.0000 | 82.972 | 0.44837 | 0.00000 | 602892.1 | 363094.9 | 0.0 | S |
| 62.092 | 0.0000 | 0.0000 | 82.972 | 0.44831 | 0.00000 | 602892.1 | 363108.3 | 0.0 | S |
| 62.100 | 0.0000 | 0.0000 | 82.972 | 0.44825 | 0.00000 | 602892.1 | 363121.8 | 0.0 | S |
| 62.108 | 0.0000 | 0.0000 | 82.972 | 0.44819 | 0.00000 | 602892.1 | 363135.2 | 0.0 | S |
| 62.117 | 0.0000 | 0.0000 | 82.972 | 0.44813 | 0.00000 | 602892.1 | 363148.7 | 0.0 | S |
| 62.125 | 0.0000 | 0.0000 | 82.971 | 0.44807 | 0.00000 | 602892.1 | 363162.1 | 0.0 | S |
| 62.133 | 0.0000 | 0.0000 | 82.971 | 0.44801 | 0.00000 | 602892.1 | 363175.5 | 0.0 | S |
| 62.142 | 0.0000 | 0.0000 | 82.971 | 0.44795 | 0.00000 | 602892.1 | 363189.0 | 0.0 | S |
| 62.150 | 0.0000 | 0.0000 | 82.971 | 0.44789 | 0.00000 | 602892.1 | 363202.4 | 0.0 | S |
| 62.158 | 0.0000 | 0.0000 | 82.971 | 0.44783 | 0.00000 | 602892.1 | 363215.8 | 0.0 | S |
| 62.167 | 0.0000 | 0.0000 | 82.970 | 0.44777 | 0.00000 | 602892.1 | 363229.3 | 0.0 | S |
| 62.175 | 0.0000 | 0.0000 | 82.970 | 0.44771 | 0.00000 | 602892.1 | 363242.7 | 0.0 | S |
| 62.183 | 0.0000 | 0.0000 | 82.970 | 0.44765 | 0.00000 | 602892.1 | 363256.2 | 0.0 | S |
| 62.192 | 0.0000 | 0.0000 | 82.970 | 0.44759 | 0.00000 | 602892.1 | 363269.6 | 0.0 | S |
| 62.200 | 0.0000 | 0.0000 | 82.969 | 0.44753 | 0.00000 | 602892.1 | 363283.0 | 0.0 | S |
| 62.208 | 0.0000 | 0.0000 | 82.969 | 0.44747 | 0.00000 | 602892.1 | 363296.4 | 0.0 | S |
| 62.217 | 0.0000 | 0.0000 | 82.969 | 0.44741 | 0.00000 | 602892.1 | 363309.8 | 0.0 | S |
| 62.225 | 0.0000 | 0.0000 | 82.969 | 0.44735 | 0.00000 | 602892.1 | 363323.3 | 0.0 | S |
| 62.233 | 0.0000 | 0.0000 | 82.969 | 0.44729 | 0.00000 | 602892.1 | 363336.7 | 0.0 | S |
| 62.242 | 0.0000 | 0.0000 | 82.968 | 0.44723 | 0.00000 | 602892.1 | 363350.1 | 0.0 | S |
| 62.250 | 0.0000 | 0.0000 | 82.968 | 0.44717 | 0.00000 | 602892.1 | 363363.5 | 0.0 | S |
| 62.258 | 0.0000 | 0.0000 | 82.968 | 0.44711 | 0.00000 | 602892.1 | 363376.9 | 0.0 | S |
| 62.267 | 0.0000 | 0.0000 | 82.968 | 0.44705 | 0.00000 | 602892.1 | 363390.3 | 0.0 | S |
| 62.275 | 0.0000 | 0.0000 | 82.968 | 0.44699 | 0.00000 | 602892.7 | 363403.8 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | inflow Rate ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Outside Recharge (tt/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 62.283 | 0.0000 | 0.0000 | 82.967 | 0.44693 | 0.00000 | 602892.1 | 363417.2 | 0.0 | S |
| 62.292 | 0.0000 | 0.0000 | 82.967 | 0.44687 | 0.00000 | 602892.1 | 363430.6 | 0.0 | S |
| 62.300 | 0.0000 | 0.0000 | 82.967 | 0.44681 | 0.00000 | 602892.1 | 363444.0 | 0.0 | S |
| 62.308 | 0.0000 | 0.0000 | 82.967 | 0.44675 | 0.00000 | 602892.1 | 363457.4 | 0.0 | S |
| 62.317 | 0.0000 | 0.0000 | 82.966 | 0.44669 | 0.00000 | 602892.1 | 363470.8 | 0.0 | S |
| 62.325 | 0.0000 | 0.0000 | 82.966 | 0.44663 | 0.00000 | 602892.1 | 363484.2 | 0.0 | S |
| 62.333 | 0.0000 | 0.0000 | 82.966 | 0.44657 | 0.00000 | 602892.1 | 363497.6 | 0.0 | S |
| 62.342 | 0.0000 | 0.0000 | 82.966 | 0.44651 | 0.00000 | 602892.1 | 363511.0 | 0.0 | S |
| 62.350 | 0.0000 | 0.0000 | 82.966 | 0.44645 | 0.00000 | 602892.1 | 363524.4 | 0.0 | S |
| 62.358 | 0.0000 | 0.0000 | 82.965 | 0.44639 | 0.00000 | 602892.1 | 363537.8 | 0.0 | S |
| 62.367 | 0.0000 | 0.0000 | 82.965 | 0.44633 | 0.00000 | 602892.1 | 363551.2 | 0.0 | S |
| 62.375 | 0.0000 | 0.0000 | 82.965 | 0.44627 | 0.00000 | 602892.1 | 363564.6 | 0.0 | S |
| 62.383 | 0.0000 | 0.0000 | 82.965 | 0.44621 | 0.00000 | 602892.1 | 363577.9 | 0.0 | S |
| 62.392 | 0.0000 | 0.0000 | 82.965 | 0.44615 | 0.00000 | 602892.1 | 363591.3 | 0.0 | S |
| 62.400 | 0.0000 | 0.0000 | 82.964 | 0.44609 | 0.00000 | 602892.1 | 363604.7 | 0.0 | S |
| 62.408 | 0.0000 | 0.0000 | 82.964 | 0.44603 | 0.00000 | 602892.1 | 363618.1 | 0.0 | S |
| 62.417 | 0.0000 | 0.0000 | 82.964 | 0.44597 | 0.00000 | 602892.1 | 363631.5 | 0.0 | S |
| 62.425 | 0.0000 | 0.0000 | 82.964 | 0.44591 | 0.00000 | 602892.1 | 363644.8 | 0.0 | S |
| 62.433 | 0.0000 | 0.0000 | 82.964 | 0.44585 | 0.00000 | 602892.1 | 363658.2 | 0.0 | S |
| 62.442 | 0.0000 | 0.0000 | 82.963 | 0.44579 | 0.00000 | 602892.1 | 363671.6 | 0.0 | S |
| 62.450 | 0.0000 | 0.0000 | 82.963 | 0.44573 | 0.00000 | 602892.1 | 363685.0 | 0.0 | S |
| 62.458 | 0.0000 | 0.0000 | 82.963 | 0.44567 | 0.00000 | 602892.1 | 363698.3 | 0.0 | S |
| 62.467 | 0.0000 | 0.0000 | 82.963 | 0.44561 | 0.00000 | 602892.1 | 363711.7 | 0.0 | S |
| 62.475 | 0.0000 | 0.0000 | 82.962 | 0.44555 | 0.00000 | 602892.1 | 363725.1 | 0.0 | S |
| 62.483 | 0.0000 | 0.0000 | 82.962 | 0.44549 | 0.00000 | 602892.1 | 363738.4 | 0.0 | S |
| 62.492 | 0.0000 | 0.0000 | 82.962 | 0.44543 | 0.00000 | 602892.1 | 363751.8 | 0.0 | S |
| 62.500 | 0.0000 | 0.0000 | 82.962 | 0.44537 | 0.00000 | 602892.1 | 363765.2 | 0.0 | S |
| 62.508 | 0.0000 | 0.0000 | 82.962 | 0.44531 | 0.00000 | 602892.1 | 363778.5 | 0.0 | S |
| 62.517 | 0.0000 | 0.0000 | 82.961 | 0.44525 | 0.00000 | 602892.1 | 363791.9 | 0.0 | S |
| 62.525 | 0.0000 | 0.0000 | 82.961 | 0.44519 | 0.00000 | 602892.1 | 363805.3 | 0.0 | S |
| 62.533 | 0.0000 | 0.0000 | 82.961 | 0.44513 | 0.00000 | 602892.1 | 363818.6 | 0.0 | S |
| 62.542 | 0.0000 | 0.0000 | 82.961 | 0.44507 | 0.00000 | 602892.1 | 363831.9 | 0.0 | S |
| 62.550 | 0.0000 | 0.0000 | 82.961 | 0.44501 | 0.00000 | 602892.1 | 363845.3 | 0.0 | S |
| 62.558 | 0.0000 | 0.0000 | 82.960 | 0.44495 | 0.00000 | 602892.1 | 363858.7 | 0.0 | S |
| 62.567 | 0.0000 | 0.0000 | 82.960 | 0.44489 | 0.00000 | 602892.1 | 363872.0 | 0.0 | S |
| 62.575 | 0.0000 | 0.0000 | 82.960 | 0.44483 | 0.00000 | 602892.1 | 363885.3 | 0.0 | S |
| 62.583 | 0.0000 | 0.0000 | 82.960 | 0.44477 | 0.00000 | 602892.1 | 363898.7 | 0.0 | S |
| 62.592 | 0.0000 | 0.0000 | 82.960 | 0.44471 | 0.00000 | 602892.1 | 363912.0 | 0.0 | S |
| 62.600 | 0.0000 | 0.0000 | 82.959 | 0.44465 | 0.00000 | 602892.1 | 363925.4 | 0.0 | S |
| 62.608 | 0.0000 | 0.0000 | 82.959 | 0.44459 | 0.00000 | 602892.1 | 363938.7 | 0.0 | S |
| 62.617 | 0.0000 | 0.0000 | 82.959 | 0.44453 | 0.00000 | 602892.1 | 363952.1 | 0.0 | S |
| 62.625 | 0.0000 | 0.0000 | 82.959 | 0.44447 | 0.00000 | 602892.1 | 363965.4 | 0.0 | S |
| 62.633 | 0.0000 | 0.0000 | 82.958 | 0.44441 | 0.00000 | 602892.1 | 363978.7 | 0.0 | S |
| 62.642 | 0.0000 | 0.0000 | 82.958 | 0.44436 | 0.00000 | 602892.1 | 363992.1 | 0.0 | S |
| 62.650 | 0.0000 | 0.0000 | 82.958 | 0.44430 | 0.00000 | 602892.1 | 364005.4 | 0.0 | S |
| 62.658 | 0.0000 | 0.0000 | 82.958 | 0.44424 | 0.00000 | 602892.1 | 364018.7 | 0.0 | S |
| 62.667 | 0.0000 | 0.0000 | 82.958 | 0.44418 | 0.00000 | 602892.1 | 364032.0 | 0.0 | S |
| 62.675 | 0.0000 | 0.0000 | 82.957 | 0.44412 | 0.00000 | 602892.1 | 364045.3 | 0.0 | S |
| 62.683 | 0.0000 | 0.0000 | 82.957 | 0.44406 | 0.00000 | 602892.1 | 364058.7 | 0.0 | S |
| 62.692 | 0.0000 | 0.0000 | 82.957 | 0.44400 | 0.00000 | 602892.1 | 364072.0 | 0.0 | S |
| 62.700 | 0.0000 | 0.0000 | 82.957 | 0.44394 | 0.00000 | 602892.1 | 364085.3 | 0.0 | S |
| 62.708 | 0.0000 | 0.0000 | 82.957 | 0.44388 | 0.00000 | 602892.1 | 364098.6 | 0.0 | S |
| 62.717 | 0.0000 | 0.0000 | 82.956 | 0.44382 | 0.00000 | 602892.1 | 364111.9 | 0.0 | S |
| 62.725 | 0.0000 | 0.0000 | 82.956 | 0.44376 | 0.00000 | 602892.1 | 364125.3 | 0.0 | S |
| 62.733 | 0.0000 | 0.0000 | 82,956 | 0.44370 | 0.00000 | 602892.1 | 364138.6 | 0.0 | S |
| 62.742 | 0.0000 | 0.0000 | 82.956 | 0.44364 | 0.00000 | 602892.1 | 364151.9 | 0.0 | S |
| 62.750 | 0.0000 | 0.0000 | 82.956 | 0.44358 | 0.00000 | 602892.1 | 364165.2 | 0.0 | S |
| 62.758 | 0.0000 | 0.0000 | 82.955 | 0.44353 | 0.00000 | 602892.1 | 364178.5 | 0.0 | S |
| 62.767 | 0.0000 | 0.0000 | 82.955 | 0.44347 | 0.00000 | 602892.1 | 364191.8 | 0.0 | S |
| 62.775 | 0.0000 | 0.0000 | 82.955 | 0.44341 | 0.00000 | 602892.1 | 364205.1 | 0.0 | S |
| 62.783 | 0.0000 | 0.0000 | 82.955 | 0.44335 | 0.00000 | 602892.1 | 364218.4 | 0.0 | S |
| 62.792 | 0.0000 | 0.0000 | 82.954 | 0.44329 | 0.00000 | 602892.1 | 364231.7 | 0.0 | S |
| 62.800 | 0.0000 | 0.0000 | 82.954 | 0.44323 | 0.00000 | 602892.1 | 364245.0 | 0.0 | S |
| 62.808 | 0.0000 | 0.0000 | 82.954 | 0.44317 | 0.00000 | 602892.1 | 364258.3 | 0.0 | S |
| 62.817 | 0.0000 | 0.0000 | 82.954 | 0.44311 | 0.00000 | 602892.1 | 364271.6 | 0.0 | S |
| 62.825 | 0.0000 | 0.0000 | 82.954 | 0.44305 | 0.00000 | 602892.1 | 364284.9 | 0.0 | S |
| 62.833 | 0.0000 | 0.0000 | 82.953 | 0.44299 | 0.00000 | 602892.1 | 364298.2 | 0.0 | S |
| 62.842 | 0.0000 | 0.0000 | 82.953 | 0.44293 | 0.00000 | 602892.1 | 364311.5 | 0.0 | S |
| 62.850 | 0.0000 | 0.0000 | 82.953 | 0.44288 | 0.00000 | 602892.1 | 364324.8 | 0.0 | S |
| 62.858 | 0.0000 | 0.0000 | 82.953 | 0.44282 | 0.00000 | 602892.1 | 364338.0 | 0.0 | S |
| 62.867 | 0.0000 | 0.0000 | 82.953 | 0.44276 | 0.00000 | 602892.1 | 364351.3 | 0.0 | S |
| 62.875 | 0.0000 | 0.0000 | 82.952 | 0.44270 | 0.00000 | 602892.1 | 364364.6 | 0.0 | S |
| 62.883 | 0.0000 | 0.0000 | 82.952 | 0.44264 | 0.00000 | 602892.1 | 364377.9 | 0.0 | S |
| 62.892 | 0.0000 | 0.0000 | 82.952 | 0.44258 | 0.00000 | 602892.1 | 364391.2 | 0.0 | S |

PONDS Version 3.2.0207

# Retention Pond Recovery - Refined Method Copyright 2003 

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate (fflis) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Overfow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{H}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | $\begin{aligned} & \text { Flow } \\ & \text { Type } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 62.900 | 0.0000 | 0.0000 | 82.952 | 0.44252 | 0.00000 | 602892.1 | 364404.4 | 0.0 | S |
| 62.908 | 0.0000 | 0.0000 | 82.952 | 0.44246 | 0.00000 | 602892.1 | 364417.7 | 0.0 | S |
| 62.917 | 0.0000 | 0.0000 | 82.951 | 0.44240 | 0.00000 | 602892.1 | 364431.0 | 0.0 | S |
| 62.925 | 0.0000 | 0.0000 | 82.951 | 0.44235 | 0.00000 | 602892.1 | 364444.3 | 0.0 | S |
| 62.933 | 0.0000 | 0.0000 | 82.951 | 0.44229 | 0.00000 | 602892.1 | 364457.5 | 0.0 | S |
| 62.942 | 0.0000 | 0.0000 | 82.951 | 0.44223 | 0.00000 | 602892.1 | 364470.8 | 0.0 | 5 |
| 62.950 | 0.0000 | 0.0000 | 82.950 | 0.44217 | 0.00000 | 602892.1 | 364484.1 | 0.0 | 5 |
| 62.958 | 0.0000 | 0.0000 | 82.950 | 0.44211 | 0.00000 | 602892.1 | 364497.3 | 0.0 | S |
| 62.967 | 0.0000 | 0.0000 | 82.950 | 0.44205 | 0.00000 | 602892.1 | 364510.6 | 0.0 | 5 |
| 62.975 | 0.0000 | 0.0000 | 82.950 | 0.44199 | 0.00000 | 602892.1 | 364523.8 | 0.0 | S |
| 62.983 | 0.0000 | 0.0000 | 82.950 | 0.44193 | 0.00000 | 602892.1 | 364537.1 | 0.0 | S |
| 62.992 | 0.0000 | 0.0000 | 82.949 | 0.44187 | 0.00000 | 602892.1 | 364550.4 | 0.0 | S |
| 63.000 | 0.0000 | 0.0000 | 82.949 | 0.44182 | 0.00000 | 602892.1 | 364563.6 | 0.0 | S |
| 63.008 | 0.0000 | 0.0000 | 82.949 | 0.44176 | 0.00000 | 602892.1 | 364576.9 | 0.0 | S |
| 63.017 | 0.0000 | 0.0000 | 82.949 | 0.44170 | 0.00000 | 602892.1 | 364590.1 | 0.0 | S |
| 63.025 | 0.0000 | 0.0000 | 82.949 | 0.44164 | 0.00000 | 602892.1 | 364603.4 | 0.0 | S |
| 63.033 | 0.0000 | 0.0000 | 82.948 | 0.44158 | 0.00000 | 602892.1 | 364616.6 | 0.0 | S |
| 63.042 | 0.0000 | 0.0000 | 82.948 | 0.44152 | 0.00000 | 602892.1 | 364629.9 | 0.0 | S |
| 63.050 | 0.0000 | 0.0000 | 82.948 | 0.44146 | 0.00000 | 602892.1 | 364643.1 | 0.0 | S |
| 63.058 | 0.0000 | 0.0000 | 82.948 | 0.44141 | 0.00000 | 602892.1 | 364656.4 | 0.0 | S |
| 63.067 | 0.0000 | 0.0000 | 82.948 | 0.44135 | 0.00000 | 602892.1 | 364669.6 | 0.0 | S |
| 63.075 | 0.0000 | 0.0000 | 82.947 | 0.44129 | 0.00000 | 602892.1 | 364682.8 | 0.0 | S |
| 63.083 | 0.0000 | 0.0000 | 82.947 | 0.44123 | 0.00000 | 602892.1 | 364696.1 | 0.0 | S |
| 63.092 | 0.0000 | 0.0000 | 82.947 | 0.44117 | 0.00000 | 602892.1 | 364709.3 | 0.0 | S |
| 63.100 | 0.0000 | 0.0000 | 82.947 | 0.44111 | 0.00000 | 602892.1 | 364722.6 | 0.0 | S |
| 63.108 | 0.0000 | 0.0000 | 82.947 | 0.44105 | 0.00000 | 602892.1 | 364735.8 | 0.0 | S |
| 63.117 | 0.0000 | 0.0000 | 82.946 | 0.44100 | 0.00000 | 602892.1 | 364749.0 | 0.0 | S |
| 63.125 | 0.0000 | 0.0000 | 82.946 | 0.44094 | 0.00000 | 602892.1 | 364762.3 | 0.0 | S |
| 63.133 | 0.0000 | 0.0000 | 82.946 | 0.44088 | 0.00000 | 602892.1 | 364775.5 | 0.0 | S |
| 63.142 | 0.0000 | 0.0000 | 82.940 | 0.44082 | 0.00000 | 602892.1 | 364788.7 | 0.0 | S |
| 63.150 | 0.0000 | 0.0000 | 82.945 | 0.44076 | 0.00000 | 602892.1 | 364801.9 | 0.0 | S |
| 63.158 | 0.0000 | 0.0000 | 82.945 | 0.44070 | 0.00000 | 602892.1 | 364815.2 | 0.0 | S |
| 63.167 | 0.0000 | 0.0000 | 82.945 | 0.44065 | 0.00000 | 602892.1 | 364828.4 | 0.0 | S |
| 63.175 | 0.0000 | 0.0000 | 82.945 | 0.44059 | 0.00000 | 602892.1 | 364841.6 | 0.0 | S |
| 63.183 | 0.0000 | 0.0000 | 82.945 | 0.44053 | 0.00000 | 602892.1 | 364854.8 | 0.0 | S |
| 63.192 | 0.0000 | 0.0000 | 82.944 | 0.44047 | 0.00000 | 602892.1 | 364868.0 | 0.0 | S |
| 63.200 | 0.0000 | 0.0000 | 82.944 | 0.44041 | 0.00000 | 602892.1 | 364881.2 | 0.0 | S |
| 63.208 | 0.0000 | 0.0000 | 82,944 | 0.44035 | 0.00000 | 602892.1 | 364894.4 | 0.0 | S |
| 63.217 | 0.0000 | 0.0000 | 82.944 | 0.44030 | 0.00000 | 602892.1 | 364907.7 | 0.0 | S |
| 63.225 | 0.0000 | 0.0000 | 82.944 | 0.44024 | 0.00000 | 602892.1 | 364920.8 | 0.0 | S |
| 63.233 | 0.0000 | 0.0000 | 82.943 | 0.44018 | 0.00000 | 602892.1 | 364934.1 | 0.0 | S |
| 63.242 | 0.0000 | 0.0000 | 82.943 | 0.44012 | 0.00000 | 602892.1 | 364947.3 | 0.0 | S |
| 63.250 | 0.0000 | 0.0000 | 82.943 | 0.44006 | 0.00000 | 602892.1 | 364960.5 | 0.0 | S |
| 63.258 | 0.0000 | 0.0000 | 82.943 | 0.44000 | 0.00000 | 602892.1 | 364973.7 | 0.0 | S |
| 63.267 | 0.0000 | 0.0000 | 82.943 | 0.43995 | 0.00000 | 602892.1 | 364986.9 | 0.0 | S |
| 63.275 | 0.0000 | 0.0000 | 82.942 | 0.43989 | 0.00000 | 602892.1 | 365000.1 | 0.0 | S |
| 63.283 | 0.0000 | 0.0000 | 82.942 | 0.43983 | 0.00000 | 602892.1 | 365013.3 | 0.0 | S |
| 63.292 | 0.0000 | 0.0000 | 82.942 | 0.43977 | 0.00000 | 602892.1 | 365026.5 | 0.0 | S |
| 63.300 | 0.0000 | 0.0000 | 82.942 | 0.43971 | 0.00000 | 602892.1 | 365039.7 | 0.0 | S |
| 63.308 | 0.0000 | 0.0000 | 82.941 | 0.43966 | 0.00000 | 602892.1 | 365052.8 | 0.0 | S |
| 63.317 | 0.0000 | 0.0000 | 82.941 | 0.43960 | 0.00000 | 602892.1 | 365066.0 | 0.0 | S |
| 63.325 | 0.0000 | 0.0000 | 82.941 | 0.43954 | 0.00000 | 602892.1 | 365079.2 | 0.0 | S |
| 63.333 | 0.0000 | 0.0000 | 82.941 | 0.43948 | 0.00000 | 602892.1 | 365092.4 | 0.0 | S |
| 63.342 | 0.0000 | 0.0000 | 82.941 | 0.43942 | 0.00000 | 602892.1 | 365105.6 | 0.0 | S |
| 63.350 | 0.0000 | 0.0000 | 82.940 | 0.43937 | 0.00000 | 602892.1 | 365118.8 | 0.0 | S |
| 63.358 | 0.0000 | 0.0000 | 82.940 | 0.43931 | 0.00000 | 602892.1 | 365131.9 | 0.0 | S |
| 63.367 | 0.0000 | 0.0000 | 82.940 | 0.43925 | 0.00000 | 602892.1 | 365145.1 | 0.0 | S |
| 63.375 | 0.0000 | 0.0000 | 82.940 | 0.43919 | 0.00000 | 602892.1 | 365158.3 | 0.0 | S |
| 63.383 | 0.0000 | 0.0000 | 82.940 | 0.43913 | 0.00000 | 602892.1 | 365171.5 | 0.0 | S |
| 63.392 | 0.0000 | 0.0000 | 82.939 | 0.43908 | 0.00000 | 602892.1 | 365184.7 | 0.0 | S |
| 63.400 | 0.0000 | 0.0000 | 82.939 | 0.43902 | 0.00000 | 602892.1 | 365197.8 | 0.0 | S |
| 63.408 | 0.0000 | 0.0000 | 82.939 | 0.43896 | 0.00000 | 602892.1 | 365211.0 | 0.0 | S |
| 63.417 | 0.0000 | 0.0000 | 82.939 | 0.43880 | 0.00000 | 602892.1 | 365224.2 | 0.0 | S |
| 63.425 | 0.0000 | 0.0000 | 82.939 | 0.43884 | 0.00000 | 602892.1 | 365237.3 | 0.0 | S |
| 63.433 | 0.0000 | 0.0000 | 82.938 | 0.43879 | 0.00000 | 602892.1 | 365250.5 | 0.0 | S |
| 63.442 | 0.0000 | 0.0000 | 82.938 | 0.43873 | 0.00000 | 602892.1 | 365263.7 | 0.0 | S |
| 63.450 | 0.0000 | 0.0000 | 82.938 | 0.43867 | 0.00000 | 602892.1 | 365276.8 | 0.0 | S |
| 63.458 | 0.0000 | 0.0000 | 82.938 | 0.43861 | 0.00000 | 602892.1 | 365290.0 | 0.0 | S |
| 63.467 | 0.0000 | 0.0000 | 82.938 | 0.43856 | 0.00000 | 602892.1 | 365303.1 | 0.0 | S |
| 63.475 | 0.0000 | 0.0000 | 82.937 | 0.43850 | 0.00000 | 602892.1 | 365316.3 | 0.0 | S |
| 63.483 | 0.0000 | 0.0000 | 82.937 | 0.43844 | 0.00000 | 602892.1 | 365329.4 | 0.0 | S |
| 63.492 | 0.0000 | 0.0000 | 82.937 | 0.43838 | 0.00000 | 602892.1 | 365342.6 | 0.0 | S |
| 63.500 | 0.0000 | 0.0000 | 82.937 | 0.43832 | 0.00000 | 602892.1 | 365355.8 | 0.0 | S |
| 63.508 | 0.0000 | 0.0000 | 82.936 | 0.43827 | 0.00000 | 602892.1 | 365368.9 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | infiltration Rate (ft ${ }^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume (ft ${ }^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{fl}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 63.517 | 0.0000 | 0.0000 | 82.936 | 0.43821 | 0.00000 | 602892.1 | 365382.0 | 0.0 | S |
| 63.525 | 0.0000 | 0.0000 | 82.936 | 0.43815 | 0.00000 | 602892.1 | 365395.2 | 0.0 | S |
| 63.533 | 0.0000 | 0.0000 | 82.936 | 0.43809 | 0.00000 | 602892.1 | 365408.3 | 0.0 | S |
| 63.542 | 0.0000 | 0.0000 | 82.936 | 0.43804 | 0.00000 | 602892.1 | 365421.5 | 0.0 | S |
| 63.550 | 0.0000 | 0.0000 | 82.935 | 0.43798 | 0.00000 | 602892.1 | 365434.6 | 0.0 | S |
| 63.558 | 0.0000 | 0.0000 | 82.935 | 0.43792 | 0.00000 | 602892.1 | 365447.8 | 0.0 | S |
| 63.567 | 0.0000 | 0.0000 | 82.935 | 0.43786 | 0.00000 | 602892.1 | 365460.9 | 0.0 | S |
| 63.575 | 0.0000 | 0.0000 | 82.935 | 0.43781 | 0.00000 | 602892.1 | 365474.0 | 0.0 | S |
| 63.583 | 0.0000 | 0.0000 | 82.935 | 0.43775 | 0.00000 | 602892.1 | 365487.2 | 0.0 | S |
| 63.592 | 0.0000 | 0.0000 | 82.934 | 0.43769 | 0.00000 | 602892.1 | 365500.3 | 0.0 | S |
| 63.600 | 0.0000 | 0.0000 | 82.934 | 0.43763 | 0.00000 | 602892.1 | 365513.4 | 0.0 | S |
| 63.608 | 0.0000 | 0.0000 | 82.934 | 0.43758 | 0.00000 | 602892.1 | 365526.5 | 0.0 | S |
| 63.617 | 0.0000 | 0.0000 | 82.934 | 0.43752 | 0.00000 | 602892.1 | 365539.7 | 0.0 | S |
| 63.625 | 0.0000 | 0.0000 | 82.934 | 0.43746 | 0.00000 | 602892.1 | 365552.8 | 0.0 | S |
| 63.633 | 0.0000 | 0.0000 | 82.933 | 0.43740 | 0.00000 | 602892.1 | 365565.9 | 0.0 | S |
| 63.642 | 0.0000 | 0.0000 | 82.933 | 0.43735 | 0.00000 | 602892.1 | 365579.0 | 0.0 | S |
| 63.650 | 0.0000 | 0.0000 | 82.933 | 0.43729 | 0.00000 | 602892.1 | 365592.2 | 0.0 | S |
| 63.658 | 0.0000 | 0.0000 | 82.933 | 0.43723 | 0.00000 | 602892.1 | 365605.3 | 0.0 | S |
| 63.667 | 0.0000 | 0.0000 | 82.933 | 0.43717 | 0.00000 | 602892.1 | 365618.4 | 0.0 | S |
| 63.675 | 0.0000 | 0.0000 | 82.932 | 0.43712 | 0.00000 | 602892.1 | 365631.5 | 0.0 | S |
| 63.683 | 0.0000 | 0.0000 | 82.932 | 0.43706 | 0.00000 | 602892.1 | 365644.6 | 0.0 | S |
| 63.692 | 0.0000 | 0.0000 | 82.932 | 0.43700 | 0.00000 | 602892.1 | 365657.7 | 0.0 | S |
| 63.700 | 0.0000 | 0.0000 | 82.932 | 0.43694 | 0.00000 | 602892.1 | 365670.8 | 0.0 | S |
| 63.708 | 0.0000 | 0.0000 | 82.932 | 0.43689 | 0.00000 | 602892.1 | 365683.9 | 0.0 | S |
| 63.717 | 0.0000 | 0.0000 | 82.931 | 0.43683 | 0.00000 | 602892.1 | 365697.1 | 0.0 | S |
| 63.725 | 0.0000 | 0.0000 | 82.931 | 0.43677 | 0.00000 | 602892.1 | 365710.2 | 0.0 | S |
| 63.733 | 0.0000 | 0.0000 | 82.931 | 0.43671 | 0.00000 | 602892.1 | 365723.3 | 0.0 | S |
| 63.742 | 0.0000 | 0.0000 | 82.931 | 0.43666 | 0.00000 | 602892.1 | 365736.3 | 0.0 | S |
| 63.750 | 0.0000 | 0.0000 | 82.930 | 0.43660 | 0.00000 | 602892.1 | 365749.5 | 0.0 | S |
| 63.758 | 0.0000 | 0.0000 | 82.930 | 0.43654 | 0.00000 | 602892.4 | 365762.6 | 0.0 | S |
| 63.767 | 0.0000 | 0.0000 | 82.930 | 0.43649 | 0.00000 | 602892.1 | 365775.7 | 0.0 | S |
| 63.775 | 0.0000 | 0.0000 | 82.930 | 0.43643 | 0.00000 | 602892.1 | 365788.8 | 0.0 | S |
| 63.783 | 0.0000 | 0.0000 | 82.930 | 0.43637 | 0.00000 | 602892.1 | 365801.8 | 0.0 | S |
| 63.792 | 0.0000 | 0.0000 | 82.929 | 0.43631 | 0.00000 | 602892.1 | 365814.9 | 0.0 | S |
| 63.800 | 0.0000 | 0.0000 | 82.929 | 0.43626 | 0.00000 | 602892.1 | 365828.0 | 0.0 | S |
| 63.808 | 0.0000 | 0.0000 | 82.929 | 0.43620 | 0.00000 | 602892.1 | 365841.1 | 0.0 | S |
| 63.817 | 0.0000 | 0.0000 | 82.929 | 0.43614 | 0.00000 | 602892.1 | 365854.2 | 0.0 | S |
| 63.825 | 0.0000 | 0.0000 | 82.929 | 0.43609 | 0.00000 | 602892.1 | 365867.3 | 0.0 | S |
| 63.833 | 0.0000 | 0.0000 | 82.928 | 0.43603 | 0.00000 | 602892.1 | 365880.3 | 0.0 | S |
| 63.842 | 0.0000 | 0.0000 | 82,928 | 0.43597 | 0.00000 | 602892.1 | 365893.4 | 0.0 | S |
| 63.850 | 0.0000 | 0.0000 | 82.928 | 0.43591 | 0.00000 | 602892.1 | 365906.5 | 0.0 | S |
| 63.858 | 0.0000 | 0.0000 | 82.928 | 0.43586 | 0.00000 | 602892.1 | 365919.6 | 0.0 | S |
| 63.867 | 0.0000 | 0.0000 | 82.928 | 0.43580 | 0.00000 | 602892.1 | 365932.7 | 0.0 | S |
| 63.875 | 0.0000 | 0.0000 | 82.927 | 0.43574 | 0.00000 | 602892.1 | 365945.7 | 0.0 | S |
| 63.883 | 0.0000 | 0.0000 | 82.927 | 0.43569 | 0.00000 | 602892.1 | 365958.8 | 0.0 | S |
| 63.892 | 0.0000 | 0.0000 | 82.927 | 0.43563 | 0.00000 | 602892.1 | 365971.9 | 0.0 | S |
| 63.900 | 0.0000 | 0.0000 | 82.927 | 0.43557 | 0.00000 | 602892.1 | 365984.9 | 0.0 | S |
| 63.908 | 0.0000 | 0.0000 | 82.927 | 0.43552 | 0.00000 | 602892.1 | 365998.0 | 0.0 | S |
| 63.917 | 0.0000 | 0.0000 | 82.926 | 0.43546 | 0.00000 | 602892.1 | 366011.1 | 0.0 | S |
| 63.925 | 0.0000 | 0.0000 | 82.926 | 0.43540 | 0.00000 | 602882.1 | 366024.1 | 0.0 | S |
| 63.933 | 0.0000 | 0.0000 | 82.926 | 0.43535 | 0.00000 | 602892.1 | 366037.2 | 0.0 | S |
| 63.942 | 0.0000 | 0.0000 | 82.926 | 0.43529 | 0.00000 | 602892.1 | 366050.3 | 0.0 | S |
| 63.950 | 0.0000 | 0.0000 | 82.925 | 0.43523 | 0.00000 | 602892.1 | 366063.3 | 0.0 | S |
| 63.958 | 0.0000 | 0.0000 | 82.925 | 0.43517 | 0.00000 | 602892.1 | 366076.4 | 0.0 | S |
| 63.967 | 0.0000 | 0.0000 | 82.925 | 0.43512 | 0.00000 | 602892.1 | 366089.4 | 0.0 | S |
| 63.975 | 0.0000 | 0.0000 | 82.925 | 0.43506 | 0.00000 | 602892.1 | 366102.5 | 0.0 | S |
| 63,983 | 0.0000 | 0.0000 | 82.925 | 0.43500 | 0.00000 | 602892.1 | 366115.5 | 0.0 | S |
| 63.992 | 0.0000 | 0.0000 | 82.924 | 0.43495 | 0.00000 | 602892.1 | 366128.6 | 0.0 | S |
| 64.000 | 0.0000 | 0.0000 | 82.924 | 0.43489 | 0.00000 | 602892.1 | 366141.6 | 0.0 | S |
| 64.008 | 0.0000 | 0.0000 | 82.924 | 0.43483 | 0.00000 | 602892.1 | 366154.7 | 0.0 | S |
| 64.017 | 0.0000 | 0.0000 | 82.924 | 0.43478 | 0.00000 | 602892.1 | 366167.7 | 0.0 | S |
| 64.025 | 0.0000 | 0.0000 | 82.924 | 0.43472 | 0.00000 | 602892.1 | 366180.8 | 0.0 | S |
| 64.033 | 0.0000 | 0.0000 | 82.923 | 0.43466 | 0.00000 | 602892.1 | 366193.8 | 0.0 | S |
| 64.042 | 0.0000 | 0.0000 | 82.923 | 0.43461 | 0.00000 | 602892.1 | 366206.8 | 0.0 | S |
| 64.050 | 0.0000 | 0.0000 | 82.923 | 0.43455 | 0.00000 | 602892.1 | 366219.9 | 0.0 | S |
| 64.058 | 0.0000 | 0.0000 | 82.923 | 0.43449 | 0.00000 | 602892.1 | 366232.9 | 0.0 | S |
| 64.067 | 0.0000 | 0.0000 | 82.923 | 0.43444 | 0.00000 | 602892.1 | 366245.9 | 0.0 | S |
| 64.075 | 0.0000 | 0.0000 | 82.922 | 0.43438 | 0.00000 | 602892.1 | 366259.0 | 0.0 | S |
| 64.083 | 0.0000 | 0.0000 | 82.922 | 0.43432 | 0.00000 | 602892.1 | 366272.0 | 0.0 | S |
| 64.092 | 0.0000 | 0.0000 | 82.922 | 0.43427 | 0.00000 | 602892.1 | 366285.0 | 0.0 | S |
| 64.100 | 0.0000 | 0.0000 | 82.922 | 0.43421 | 0.00000 | 602892.1 | 366298.1 | 0.0 | S |
| 64.108 | 0.0000 | 0.0000 | 82.922 | 0.43415 | 0.00000 | 602892.1 | 366311.1 | 0.0 | S |
| 64.117 | 0.0000 | 0.0000 | 82.921 | 0.43410 | 0.00000 | 602892.1 | 366324.1 | 0.0 | S |
| 64.125 | 0.0000 | 0.0000 | 82.921 | 0.43404 | 0.00000 | 602892.1 | 366337.1 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year/24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infilitration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 64.133 | 0.0000 | 0.0000 | 82.921 | 0.43398 | 0.00000 | 602892.1 | 366350.2 | 0.0 | S |
| 64.142 | 0.0000 | 0.0000 | 82.921 | 0.43393 | 0.00000 | 602892.1 | 366363.2 | 0.0 | S |
| 64.150 | 0.0000 | 0.0000 | 82.921 | 0.43387 | 0.00000 | 602892.1 | 366376.2 | 0.0 | S |
| 64.158 | 0.0000 | 0.0000 | 82.920 | 0.43382 | 0.00000 | 602892.1 | 366389.2 | 0.0 | S |
| 64.167 | 0.0000 | 0.0000 | 82.920 | 0.43376 | 0.00000 | 602892.1 | 366402.2 | 0.0 | S |
| 64.175 | 0.0000 | 0.0000 | 82.920 | 0.43370 | 0.00000 | 602892.1 | 366415.2 | 0.0 | S |
| 64.183 | 0.0000 | 0.0000 | 82.920 | 0.43365 | 0.00000 | 602892.1 | 366428.3 | 0.0 | S |
| 64.192 | 0.0000 | 0.0000 | 82.920 | 0.43359 | 0.00000 | 602892.1 | 366441.3 | 0.0 | S |
| 64.200 | 0.0000 | 0.0000 | 82.919 | 0.43353 | 0.00000 | 602892.1 | 366454.3 | 0.0 | S |
| 64,208 | 0.0000 | 0.0000 | 82.919 | 0.43348 | 0.00000 | 602892.1 | 366467.3 | 0.0 | S |
| 64.217 | 0.0000 | 0.0000 | 82.919 | 0.43342 | 0.00000 | 602892.1 | 366480.3 | 0.0 | S |
| 64.225 | 0.0000 | 0.0000 | 82.919 | 0.43336 | 0.00000 | 602892.1 | 366493.3 | 0.0 | S |
| 64.233 | 0.0000 | 0.0000 | 82.918 | 0.43331 | 0.00000 | 602892.1 | 366506.3 | 0.0 | S |
| 64.242 | 0.0000 | 0.0000 | 82.918 | 0.43325 | 0.00000 | 602892.1 | 366519.3 | 0.0 | S |
| 64.250 | 0.0000 | 0.0000 | 82.918 | 0.43320 | 0.00000 | 602892.1 | 366532.3 | 0.0 | S |
| 64.258 | 0.0000 | 0.0000 | 82.918 | 0.43314 | 0.00000 | 602892.1 | 366545.3 | 0.0 | S |
| 64.267 | 0.0000 | 0.0000 | 82.918 | 0.43308 | 0.00000 | 602892.1 | 366558.3 | 0.0 | S |
| 64.275 | 0.0000 | 0.0000 | 82.917 | 0.43303 | 0.00000 | 602892.1 | 366571.3 | 0.0 | S |
| 64.283 | 0.0000 | 0.0000 | 82.917 | 0.43297 | 0.00000 | 602892.1 | 366584.2 | 0.0 | S |
| 64.292 | 0.0000 | 0.0000 | 82.917 | 0.43291 | 0.00000 | 602892.1 | 366597.2 | 0.0 | S |
| 64.300 | 0.0000 | 0.0000 | 82.917 | 0.43286 | 0.00000 | 602892.1 | 366610.2 | 0.0 | S |
| 64.308 | 0.0000 | 0.0000 | 82.917 | 0.43280 | 0.00000 | 602892.1 | 366623.2 | 0.0 | S |
| 64.317 | 0.0000 | 0.0000 | 82.916 | 0.43275 | 0.00000 | 602892.1 | 366636.2 | 0.0 | S |
| 64.325 | 0.0000 | 0.0000 | 82.916 | 0.43269 | 0.00000 | 602892.7 | 366649.2 | 0.0 | S |
| 64.333 | 0.0000 | 0.0000 | 82.916 | 0.43263 | 0.00000 | 602892.1 | 366662.1 | 0.0 | S |
| 64.342 | 0.0000 | 0.0000 | 82.916 | 0.43258 | 0.00000 | 602892.1 | 366675.1 | 0.0 | S |
| 64.350 | 0.0000 | 0.0000 | 82.916 | 0.43252 | 0.00000 | 602892.1 | 366688.1 | 0.0 | S |
| 64.358 | 0.0000 | 0.0000 | 82.915 | 0.43246 | 0.00000 | 602892.1 | 366701.1 | 0.0 | S |
| 64.367 | 0.0000 | 0.0000 | 82.915 | 0.43241 | 0.00000 | 602892.1 | 366714.0 | 0.0 | S |
| 64.375 | 0.0000 | 0.0000 | 82.915 | 0.43235 | 0.00000 | 602892.1 | 366727.0 | 0.0 | S |
| 64.383 | 0.0000 | 0.0000 | 82.915 | 0.43230 | 0.00000 | 602892.1 | 366740.0 | 0.0 | S |
| 64.392 | 0.0000 | 0.0000 | 82.915 | 0.43224 | 0.00000 | 602892.1 | 366752.9 | 0.0 | S |
| 64.400 | 0.0000 | 0.0000 | 82.914 | 0.43218 | 0.00000 | 602892.1 | 366765.9 | 0.0 | S |
| 64.408 | 0.0000 | 0.0000 | 82.914 | 0.43213 | 0.00000 | 602892.1 | 366778.9 | 0.0 | S |
| 64.417 | 0.0000 | 0.0000 | 82.914 | 0.43207 | 0.00000 | 602892.1 | 366791.8 | 0.0 | S |
| 64.425 | 0.0000 | 0.0000 | 82.914 | 0.43202 | 0.00000 | 602892.1 | 366804.8 | 0.0 | S |
| 64.433 | 0.0000 | 0.0000 | 82.914 | 0.43196 | 0.00000 | 602892.7 | 366817.8 | 0.0 | S |
| 64.442 | 0.0000 | 0.0000 | 82.913 | 0.43190 | 0.00000 | 602892.1 | 366830.7 | 0.0 | S |
| 64.450 | 0.0000 | 0.0000 | 82.913 | 0.43185 | 0.00000 | 602892.1 | 366843.7 | 0.0 | S |
| 64.458 | 0.0000 | 0.0000 | 82.913 | 0.43179 | 0.00000 | 602892.1 | 366856.6 | 0.0 | S |
| 64.467 | 0.0000 | 0.0000 | 82.913 | 0.43174 | 0.00000 | 602892.1 | 366869.6 | 0.0 | S |
| 64.475 | 0.0000 | 0.0000 | 82.913 | 0.43168 | 0.00000 | 602892.1 | 366882.5 | 0.0 | S |
| 64.483 | 0.0000 | 0.0000 | 82.912 | 0.43163 | 0.00000 | 602892.1 | 366895.5 | 0.0 | S |
| 64.492 | 0.0000 | 0.0000 | 82.912 | 0.43157 | 0.00000 | 602892.1 | 366908.4 | 0.0 | S |
| 64.500 | 0.0000 | 0.0000 | 82.912 | 0.43151 | 0.00000 | 602892.1 | 366921.4 | 0.0 | S |
| 64.508 | 0.0000 | 0.0000 | 82.912 | 0.43146 | 0.00000 | 602892.1 | 366934.3 | 0.0 | S |
| 64.517 | 0.0000 | 0.0000 | 82.911 | 0.43140 | 0.00000 | 602892.1 | 366947.3 | 0.0 | S |
| 64.525 | 0.0000 | 0.0000 | 82.911 | 0.43135 | 0.00000 | 602892.1 | 366960.2 | 0.0 | S |
| 64.533 | 0.0000 | 0.0000 | 82.911 | 0.43129 | 0.00000 | 602892.1 | 366973.2 | 0.0 | S |
| 64.542 | 0.0000 | 0.0000 | 82.911 | 0.43123 | 0.00000 | 602892.1 | 366986.1 | 0.0 | S |
| 64.550 | 0.0000 | 0.0000 | 82.911 | 0.43118 | 0.00000 | 602892.1 | 366999.0 | 0.0 | S |
| 64.558 | 0.0000 | 0.0000 | 82.910 | 0.43112 | 0.00000 | 602892.1 | 367012.0 | 0.0 | S |
| 64.567 | 0.0000 | 0.0000 | 82.910 | 0.43107 | 0.00000 | 602892.1 | 367024.9 | 0.0 | S |
| 64.575 | 0.0000 | 0.0000 | 82.910 | 0.43101 | 0.00000 | 602892.1 | 367037.8 | 0.0 | S |
| 64.583 | 0.0000 | 0.0000 | 82.910 | 0.43096 | 0.00000 | 602892.1 | 367050.8 | 0.0 | S |
| 64.592 | 0.0000 | 0.0000 | 82.910 | 0.43090 | 0.00000 | 602892.1 | 367063.7 | 0.0 | S |
| 64.600 | 0.0000 | 0.0000 | 82.909 | 0.43084 | 0.00000 | 602892.1 | 367076.6 | 0.0 | S |
| 64.608 | 0.0000 | 0.0000 | 82.909 | 0.43079 | 0.00000 | 602892.1 | 367089.5 | 0.0 | S |
| 64.617 | 0.0000 | 0.0000 | 82.909 | 0.43073 | 0.00000 | 602892.1 | 367102.5 | 0.0 | S |
| 64.625 | 0.0000 | 0.0000 | 82.909 | 0.43068 | 0.00000 | 602892.1 | 367115.4 | 0.0 | S |
| 64.633 | 0.0000 | 0.0000 | 82.909 | 0.43062 | 0.00000 | 602892.1 | 367128.3 | 0.0 | S |
| 64.642 | 0.0000 | 0.0000 | 82.908 | 0.43057 | 0.00000 | 602892.1 | 367141.2 | 0.0 | S |
| 64.650 | 0.0000 | 0.0000 | 82.908 | 0.43051 | 0.00000 | 602892.1 | 367154.1 | 0.0 | S |
| 64.658 | 0.0000 | 0.0000 | 82.908 | 0.43046 | 0.00000 | 602892.1 | $367 \pm 67.0$ | 0.0 | S |
| 64.667 | 0.0000 | 0.0000 | 82.908 | 0.43040 | 0.00000 | 602892.1 | 367180.0 | 0.0 | S |
| 64.675 | 0.0000 | 0.0000 | 82.908 | 0.43034 | 0.00000 | 602892.1 | 367192.9 | 0.0 | S |
| 64.683 | 0.0000 | 0.0000 | 82.907 | 0.43029 | 0.00000 | 602892.1 | 367205.8 | 0.0 | S |
| 64.692 | 0.0000 | 0.0000 | 82.907 | 0.43023 | 0.00000 | 602892.1 | 367218.7 | 0.0 | S |
| 64.700 | 0.0000 | 0.0000 | 82.907 | 0.43018 | 0.00000 | 602892.1 | 367231.6 | 0.0 | S |
| 64.708 | 0.0000 | 0.0000 | 82.907 | 0.43012 | 0.00000 | 602892.1 | 367244.5 | 0.0 | S |
| 64.717 | 0.0000 | 0.0000 | 82.907 | 0.43007 | 0.00000 | 602892.1 | 367257.4 | 0.0 | S |
| 64.725 | 0.0000 | 0.0000 | 82.906 | 0.43001 | 0.00000 | 602892.1 | 367270.3 | 0.0 | S |
| 64.733 | 0.0000 | 0.0000 | 82.906 | 0.42996 | 0.00000 | 602892.1 | 367283.2 | 0.0 | S |
| 64.742 | 0.0000 | 0.0000 | 82.906 | 0.42990 | 0.00000 | 602892.1 | 367296.1 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (f datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Cumulative Inflow Voiume ( $\mathrm{ft}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 64.750 | 0.0000 | 0.0000 | 82.906 | 0.42985 | 0.00000 | 602892.1 | 367309.0 | 0.0 | S |
| 64.758 | 0.0000 | 0.0000 | 82.906 | 0.42979 | 0.00000 | 602892.1 | 367321.9 | 0.0 | S |
| 64.767 | 0.0000 | 0.0000 | 82.905 | 0.42973 | 0.00000 | 602892.1 | 367334.8 | 0.0 | S |
| 64.775 | 0.0000 | 0.0000 | 82.905 | 0.42968 | 0.00000 | 602892.1 | 367347.7 | 0.0 | S |
| 64.783 | 0.0000 | 0.0000 | 82.905 | 0.42962 | 0.00000 | 602892.1 | 367360.6 | 0.0 | S |
| 64.792 | 0.0000 | 0.0000 | 82.905 | 0.42957 | 0.00000 | 602892.1 | 367373.4 | 0.0 | S |
| 64.800 | 0.0000 | 0.0000 | 82.905 | 0.42951 | 0.00000 | 602892.1 | 367386.3 | 0.0 | S |
| 64.808 | 0.0000 | 0.0000 | 82.904 | 0.42946 | 0.00000 | 602892.1 | 367399.2 | 0.0 | S |
| 64.817 | 0.0000 | 0.0000 | 82.904 | 0.42940 | 0.00000 | 602892.1 | 367412.1 | 0.0 | S |
| 64.825 | 0.0000 | 0.0000 | 82.904 | 0.42935 | 0.00000 | 602892.1 | 367425.0 | 0.0 | S |
| 64.833 | 0.0000 | 0.0000 | 82.904 | 0.42929 | 0.00000 | 602892.1 | 367437.9 | 0.0 | S |
| 64.842 | 0.0000 | 0.0000 | 82.903 | 0.42924 | 0.00000 | 602892.1 | 367450.8 | 0.0 | S |
| 64.850 | 0.0000 | 0.0000 | 82.903 | 0.42918 | 0.00000 | 602892.1 | 367463.6 | 0.0 | S |
| 64.858 | 0.0000 | 0.0000 | 82.903 | 0.42913 | 0.00000 | 602892.1 | 367476.5 | 0.0 | S |
| 64.867 | 0.0000 | 0.0000 | 82.903 | 0.42907 | 0.00000 | 602892.1 | 367489.4 | 0.0 | S |
| 64.875 | 0.0000 | 0.0000 | 82.903 | 0.42902 | 0.00000 | 602892.1 | 367502.3 | 0.0 | S |
| 64.883 | 0.0000 | 0.0000 | 82.902 | 0.42896 | 0.00000 | 602892.1 | 367515.1 | 0.0 | S |
| 64.892 | 0.0000 | 0.0000 | 82.902 | 0.42891 | 0.00000 | 602892.1 | 367528.0 | 0.0 | S |
| 64.900 | 0.0000 | 0.0000 | 82.902 | 0.42885 | 0.00000 | 602892.1 | 367540.8 | 0.0 | S |
| 64.908 | 0.0000 | 0.0000 | 82.902 | 0.42880 | 0.00000 | 602892.1 | 367553.7 | 0.0 | S |
| 64.917 | 0.0000 | 0.0000 | 82.902 | 0.42874 | 0.00000 | 602892.1 | 367566.6 | 0.0 | S |
| 64.925 | 0.0000 | 0.0000 | 82.901 | 0.42869 | 0.00000 | 602892.1 | 367579.4 | 0.0 | S |
| 64.933 | 0.0000 | 0.0000 | 82.901 | 0.42863 | 0.00000 | 602892.1 | 367592.3 | 0.0 | S |
| 64.942 | 0.0000 | 0.0000 | 82.901 | 0.42858 | 0.00000 | 602892.1 | 367605.2 | 0.0 | S |
| 64.950 | 0.0000 | 0.0000 | 82.901 | 0.42852 | 0.00000 | 602892.1 | 367618.0 | 0.0 | S |
| 64.958 | 0.0000 | 0.0000 | 82.901 | 0.42847 | 0.00000 | 602892.1 | 367630.8 | 0.0 | S |
| 64.967 | 0.0000 | 0.0000 | 82.900 | 0.42841 | 0.00000 | 602892.1 | 367643.7 | 0.0 | S |
| 64.975 | 0.0000 | 0.0000 | 82.900 | 0.42836 | 0.00000 | 602892.1 | 367656.6 | 0.0 | S |
| 64.983 | 0.0000 | 0.0000 | 82.900 | 0.42830 | 0.00000 | 602892.1 | 367669.4 | 0.0 | S |
| 64.992 | 0.0000 | 0.0000 | 82.900 | 0.42825 | 0.00000 | 602892.1 | 367682.3 | 0.0 | S |
| 65.000 | 0.0000 | 0.0000 | 82.900 | 0.42819 | 0.00000 | 602892.1 | 367695.1 | 0.0 | S |
| 65.008 | 0.0000 | 0.0000 | 82.899 | 0.42814 | 0.00000 | 602892.1 | 367707.9 | 0.0 | S |
| 65.017 | 0.0000 | 0.0000 | 82.899 | 0.42808 | 0.00000 | 602892.1 | 367720.8 | 0.0 | S |
| 65.025 | 0.0000 | 0.0000 | 82.899 | 0.42803 | 0.00000 | 602892.1 | 367733.6 | 0.0 | S |
| 65.033 | 0.0000 | 0.0000 | 82.899 | 0.42797 | 0.00000 | 602892.1 | 367746.5 | 0.0 | S |
| 65.042 | 0.0000 | 0.0000 | 82.899 | 0.42792 | 0.00000 | 602892.1 | 367759.3 | 0.0 | S |
| 65.050 | 0.0000 | 0.0000 | 82.898 | 0.42786 | 0.00000 | 602892.1 | 367772.2 | 0.0 | S |
| 65.058 | 0.0000 | 0.0000 | 82.898 | 0.42781 | 0.00000 | 602892.1 | 367785.0 | 0.0 | S |
| 65.067 | 0.0000 | 0.0000 | 82.898 | 0.42775 | 0.00000 | 602892.1 | 367797.8 | 0.0 | S |
| 65.075 | 0.0000 | 0.0000 | 82.898 | 0.42770 | 0.00000 | 602892.1 | 367810.7 | 0.0 | S |
| 65.083 | 0.0000 | 0.0000 | 82.898 | 0.42764 | 0.00000 | 602892.1 | 367823.5 | 0.0 | S |
| 65.092 | 0.0000 | 0.0000 | 82.897 | 0.42759 | 0.00000 | 602892.1 | 367836.3 | 0.0 | S |
| 65.100 | 0.0000 | 0.0000 | 82.897 | 0.42753 | 0.00000 | 602892.1 | 367849.1 | 0.0 | S |
| 65.108 | 0.0000 | 0.0000 | 82.897 | 0.42748 | 0.00000 | 602892.1 | 367862.0 | 0.0 | S |
| 65.117 | 0.0000 | 0.0000 | 82.897 | 0.42742 | 0.00000 | 602892.1 | 367874.8 | 0.0 | S |
| 65.125 | 0.0000 | 0.0000 | 82.897 | 0.42737 | 0.00000 | 602892.1 | 367887.6 | 0.0 | S |
| 65.133 | 0.0000 | 0.0000 | 82.896 | 0.42731 | 0.00000 | 602892.1 | 367900.4 | 0.0 | S |
| 65.142 | 0.0000 | 0.0000 | 82.896 | 0.42726 | 0.00000 | 602892.1 | 367913.3 | 0.0 | S |
| 65.150 | 0.0000 | 0.0000 | 82.896 | 0.42721 | 0.00000 | 602892.1 | 367926.1 | 0.0 | S |
| 65.158 | 0.0000 | 0.0000 | 82.896 | 0.42715 | 0.00000 | 602892.1 | 367938.9 | 0.0 | S |
| 65.167 | 0.0000 | 0.0000 | 82.896 | 0.42710 | 0.00000 | 602892.1 | 367951.7 | 0.0 | S |
| 65.175 | 0.0000 | 0.0000 | 82.895 | 0.42704 | 0.00000 | 602892.1 | 367964.5 | 0.0 | S |
| 65.183 | 0.0000 | 0.0000 | 82.895 | 0.42699 | 0.00000 | 602892.1 | 367977.3 | 0.0 | S |
| 65.192 | 0.0000 | 0.0000 | 82.895 | 0.42693 | 0.00000 | 602892.1 | 367990.1 | 0.0 | S |
| 65.200 | 0.0000 | 0.0000 | 82.895 | 0.42688 | 0.00000 | 602892.1 | 368002.9 | 0.0 | S |
| 65.208 | 0.0000 | 0.0000 | 82.895 | 0.42682 | 0.00000 | 602892.1 | 368015.8 | 0.0 | S |
| 65.217 | 0.0000 | 0.0000 | 82.894 | 0.42677 | 0.00000 | 602892.1 | 368028.5 | 0.0 | S |
| 65.225 | 0.0000 | 0.0000 | 82.894 | 0.42671 | 0.00000 | 602892.1 | 368041.3 | 0.0 | S |
| 65.233 | 0.0000 | 0.0000 | 82.894 | 0.42666 | 0.00000 | 602892.1 | 368054.2 | 0.0 | S |
| 65.242 | 0.0000 | 0.0000 | 82.894 | 0.42661 | 0.00000 | 602892.1 | 368066.9 | 0.0 | S |
| 65.250 | 0.0000 | 0.0000 | 82.893 | 0.42655 | 0.00000 | 602892.1 | 368079.8 | 0.0 | S |
| 65.258 | 0.0000 | 0.0000 | 82.893 | 0.42650 | 0.00000 | 602892.1 | 368092.5 | 0.0 | S |
| 65.267 | 0.0000 | 0.0000 | 82.893 | 0.42644 | 0.00000 | 602892.1 | 368105.3 | 0.0 | S |
| 65.275 | 0.0000 | 0.0000 | 82.893 | 0.42639 | 0.00000 | 602892.1 | 368118.1 | 0.0 | S |
| 65.283 | 0.0000 | 0.0000 | 82.893 | 0.42633 | 0.00000 | 602892.1 | 368130.9 | 0.0 | S |
| 65.292 | 0.0000 | 0.0000 | 82.892 | 0.42628 | 0.00000 | 602892.1 | 368143.7 | 0.0 | S |
| 65.300 | 0.0000 | 0.0000 | 82.892 | 0.42622 | 0.00000 | 602892.1 | 368156.5 | 0.0 | S |
| 65.308 | 0.0000 | 0.0000 | 82.892 | 0.42617 | 0.00000 | 602892.1 | 368169.3 | 0.0 | S |
| 65.317 | 0.0000 | 0.0000 | 82.892 | 0.42612 | 0.00000 | 602892.1 | 368182.1 | 0.0 | S |
| 65.325 | 0.0000 | 0.0000 | 82.892 | 0.42606 | 0.00000 | 602892.1 | 368194.8 | 0.0 | S |
| 65.333 | 0.0000 | 0.0000 | 82.891 | 0.42601 | 0.00000 | 602892.1 | 368207.6 | 0.0 | S |
| 65.342 | 0.0000 | 0.0000 | 82.891 | 0.42595 | 0.00000 | 602892.1 | 368220.4 | 0.0 | S |
| 65.350 | 0.0000 | 0.0000 | 82.891 | 0.42590 | 0.00000 | 602892.1 | 368233.2 | 0.0 | S |
| 65.358 | 0.0000 | 0.0000 | 82.891 | 0.42584 | 0.00000 | 602892.1 | 368246.0 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | $\begin{aligned} & \text { Cumulative } \\ & \text { Inflow } \\ & \text { Volume }\left(f^{3}\right) \end{aligned}$ | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Туре |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 65.367 | 0.0000 | 0.0000 | 82.891 | 0.42579 | 0.00000 | 602892.1 | 368258.7 | 0.0 | S |
| 65.375 | 0.0000 | 0.0000 | 82.890 | 0.42574 | 0.00000 | 602892.1 | 368271.5 | 0.0 | S |
| 65.383 | 0.0000 | 0.0000 | 82.890 | 0.42568 | 0.00000 | 602892.1 | 368284.3 | 0.0 | S |
| 65.392 | 0.0000 | 0.0000 | 82.890 | 0.42563 | 0.00000 | 602892.1 | 368297.0 | 0.0 | S |
| 65.400 | 0.0000 | 0.0000 | 82.890 | 0.42557 | 0.00000 | 602892.1 | 368309.8 | 0.0 | S |
| 65.408 | 0.0000 | 0.0000 | 82.890 | 0.42552 | 0.00000 | 602892.1 | 368322.6 | 0.0 | S |
| 65.417 | 0.0000 | 0.0000 | 82.889 | 0.42546 | 0.00000 | 602892.1 | 368335.3 | 0.0 | S |
| 65.425 | 0.0000 | 0.0000 | 82.889 | 0.42541 | 0.00000 | 602892.1 | 368348.1 | 0.0 | S |
| 65.433 | 0.0000 | 0.0000 | 82.889 | 0.42536 | 0.00000 | 602892.1 | 368360.9 | 0.0 | S |
| 65.442 | 0.0000 | 0.0000 | 82.889 | 0.42530 | 0.00000 | 602892.1 | 368373.6 | 0.0 | S |
| 65.450 | 0.0000 | 0.0000 | 82.889 | 0.42525 | 0.00000 | 602892.1 | 368386.4 | 0.0 | S |
| 65.458 | 0.0000 | 0.0000 | 82.888 | 0.42519 | 0.00000 | 602892.1 | 368399.2 | 0.0 | S |
| 65.467 | 0.0000 | 0.0000 | 82.888 | 0.42514 | 0.00000 | 602892.1 | 368411.9 | 0.0 | S |
| 65.475 | 0.0000 | 0.0000 | 82.888 | 0.42509 | 0.00000 | 602892.1 | 368424.7 | 0.0 | S |
| 65.483 | 0.0000 | 0.0000 | 82.888 | 0.42503 | 0.00000 | 602892.1 | 368437.4 | 0.0 | S |
| 65.492 | 0.0000 | 0.0000 | 82.888 | 0.42498 | 0.00000 | 602892.1 | 368450.2 | 0.0 | S |
| 65.500 | 0.0000 | 0.0000 | 82.887 | 0.42492 | 0.00000 | 602892.1 | 368462.9 | 0.0 | S |
| 65.508 | 0.0000 | 0.0000 | 82.887 | 0.42487 | 0.00000 | 602892.1 | 368475.7 | 0.0 | S |
| 65.517 | 0.0000 | 0.0000 | 82.887 | 0.42482 | 0.00000 | 602892.1 | 368488.4 | 0.0 | S |
| 65.525 | 0.0000 | 0.0000 | 82.887 | 0.42476 | 0.00000 | 602892.1 | 368501.1 | 0.0 | S |
| 65.533 | 0.0000 | 0.0000 | 82.887 | 0.42471 | 0.00000 | 602892.1 | 368513.9 | 0.0 | S |
| 65.542 | 0.0000 | 0.0000 | 82.886 | 0.42465 | 0.00000 | 602892.1 | 368526.6 | 0.0 | S |
| 65.550 | 0.0000 | 0.0000 | 82.886 | 0.42460 | 0.00000 | 602892.1 | 368539.4 | 0.0 | S |
| 65.558 | 0.0000 | 0.0000 | 82.886 | 0.42455 | 0.00000 | 602892.1 | 368552.1 | 0.0 | S |
| 65.567 | 0.0000 | 0.0000 | 82.886 | 0.42449 | 0.00000 | 602892.1 | 368564.8 | 0.0 | S |
| 65.575 | 0.0000 | 0.0000 | 82.886 | 0.42444 | 0.00000 | 602892.1 | 368577.6 | 0.0 | S |
| 65.583 | 0.0000 | 0.0000 | 82.885 | 0.42438 | 0.00000 | 602892.1 | 368590.3 | 0.0 | S |
| 65.592 | 0.0000 | 0.0000 | 82.885 | 0.42433 | 0.00000 | 602892.1 | 368603.0 | 0.0 | S |
| 65.600 | 0.0000 | 0.0000 | 82.885 | 0.42428 | 0.00000 | 602892.1 | 368615.8 | 0.0 | S |
| 65.608 | 0.0000 | 0.0000 | 82.885 | 0.42422 | 0.00000 | 602892.1 | 368628.5 | 0.0 | S |
| 65.617 | 0.0000 | 0.0000 | 82.885 | 0.42417 | 0.00000 | 602892.1 | 368641.2 | 0.0 | S |
| 65.625 | 0.0000 | 0.0000 | 82.884 | 0.42411 | 0.00000 | 602892.1 | 368653.9 | 0.0 | S |
| 65.633 | 0.0000 | 0.0000 | 82.884 | 0.42406 | 0.00000 | 602892.1 | 368666.7 | 0.0 | S |
| 65.642 | 0.0000 | 0.0000 | 82.884 | 0.42401 | 0.00000 | 602892.1 | 368679.4 | 0.0 | S |
| 65.650 | 0.0000 | 0.0000 | 82.884 | 0.42395 | 0.00000 | 602892.1 | 368692.1 | 0.0 | S |
| 65.658 | 0.0000 | 0.0000 | 82.884 | 0.42390 | 0.00000 | 602892.1 | 368704.8 | 0.0 | S |
| 65.667 | 0.0000 | 0.0000 | 82.883 | 0.42385 | 0.00000 | 602892.1 | 368717.5 | 0.0 | S |
| 65.675 | 0.0000 | 0.0000 | 82.883 | 0.42379 | 0.00000 | 602892.1 | 368730.3 | 0.0 | S |
| 65.683 | 0.0000 | 0.0000 | 82.883 | 0.42374 | 0.00000 | 602892.1 | 368743.0 | 0.0 | S |
| 65.692 | 0.0000 | 0.0000 | 82.883 | 0.42368 | 0.00000 | 602892.1 | 368755.7 | 0.0 | S |
| 65.700 | 0.0000 | 0.0000 | 82.883 | 0.42363 | 0.00000 | 602892.1 | 368768.4 | 0.0 | S |
| 65.708 | 0.0000 | 0.0000 | 82.882 | 0.42358 | 0.00000 | 602892.1 | 368781.1 | 0.0 | S |
| 65.717 | 0.0000 | 0.0000 | 82.882 | 0.42352 | 0.00000 | 602892.1 | 368793.8 | 0.0 | S |
| 65.725 | 0.0000 | 0.0000 | 82.882 | 0.42347 | 0.00000 | 602892.1 | 368806.5 | 0.0 | S |
| 65.733 | 0.0000 | 0.0000 | 82.882 | 0.42342 | 0.00000 | 602892.1 | 368819.2 | 0.0 | S |
| 65.742 | 0.0000 | 0.0000 | 82.882 | 0.42336 | 0.00000 | 602892.1 | 368831.9 | 0.0 | S |
| 65.750 | 0.0000 | 0.0000 | 82.881 | 0.42331 | 0.00000 | 602892.1 | 368844.6 | 0.0 | S |
| 65.758 | 0.0000 | 0.0000 | 82.881 | 0.42325 | 0.00000 | 602892.1 | 368857.3 | 0.0 | S |
| 65.767 | 0.0000 | 0.0000 | 82.881 | 0.42320 | 0.00000 | 602892.1 | 368870.0 | 0.0 | S |
| 65.775 | 0.0000 | 0.0000 | 82.881 | 0.42315 | 0.00000 | 602892.1 | 368882.7 | 0.0 | S |
| 65.783 | 0.0000 | 0.0000 | 82.881 | 0.42309 | 0.00000 | 602892.1 | 368895.4 | 0.0 | S |
| 65.792 | 0.0000 | 0.0000 | 82.880 | 0.42304 | 0.00000 | 602892.1 | 368908.1 | 0.0 | S |
| 65.800 | 0.0000 | 0.0000 | 82.880 | 0.42299 | 0.00000 | 602892.1 | 368920.8 | 0.0 | S |
| 65.808 | 0.0000 | 0.0000 | 82.880 | 0.42293 | 0.00000 | 602892.1 | 368933.5 | 0.0 | S |
| 65.817 | 0.0000 | 0.0000 | 82.880 | 0.42288 | 0.00000 | 602892.1 | 368946.2 | 0.0 | S |
| 65.825 | 0.0000 | 0.0000 | 82.880 | 0.42283 | 0.00000 | 602892.1 | 368958.8 | 0.0 | S |
| 65.833 | 0.0000 | 0.0000 | 82.879 | 0.42277 | 0.00000 | 602892.1 | 368971.5 | 0.0 | S |
| 65.842 | 0.0000 | 0.0000 | 82.879 | 0.42272 | 0.00000 | 602892.1 | 368984.2 | 0.0 | S |
| 65.850 | 0.0000 | 0.0000 | 82.879 | 0.42267 | 0.00000 | 602892.1 | 368996.9 | 0.0 | S |
| 65.858 | 0.0000 | 0.0000 | 82.879 | 0.42261 | 0.00000 | 602892.1 | 369009.6 | 0.0 | S |
| 65.867 | 0.0000 | 0.0000 | 82.879 | 0.42256 | 0.00000 | 602892.1 | 369022.3 | 0.0 | S |
| 65.875 | 0.0000 | 0.0000 | 82.878 | 0.42251 | 0.00000 | 602892.1 | 369034.9 | 0.0 | S |
| 65.883 | 0.0000 | 0.0000 | 82.878 | 0.42245 | 0.00000 | 602892.1 | 369047.6 | 0.0 | S |
| 65.892 | 0.0000 | 0.0000 | 82.878 | 0.42240 | 0.00000 | 602892.1 | 369060.3 | 0.0 | S |
| 65.900 | 0.0000 | 0.0000 | 82.878 | 0.42235 | 0.00000 | 602892.1 | 369072.9 | 0.0 | S |
| 65.908 | 0.0000 | 0.0000 | 82.877 | 0.42229 | 0.00000 | 602892.1 | 369085.6 | 0.0 | S |
| 65.917 | 0.0000 | 0.0000 | 82.877 | 0.42224 | 0.00000 | 602892.1 | 369098.3 | 0.0 | S |
| 65.925 | 0.0000 | 0.0000 | 82.877 | 0.42219 | 0.00000 | 602892.1 | 369110.9 | 0.0 | S |
| 65.933 | 0.0000 | 0.0000 | 82.877 | 0.42213 | 0.00000 | 602892.1 | 369123.6 | 0.0 | S |
| 65.942 | 0.0000 | 0.0000 | 82.877 | 0.42208 | 0.00000 | 602892.1 | 369136.3 369148.9 | 0.0 0.0 | S |
| 65.950 | 0.0000 | 0.0000 | 82.876 | 0.42203 | 0.00000 | 602892.1 | 369148.9 | 0.0 | S |
| 65.958 | 0.0000 | 0.0000 | 82.876 | 0.42197 | 0.00000 | 602892.1 | 369161.6 | 0.0 | S |
| 65.967 | 0.0000 | 0.0000 | 82.876 | 0.42192 | 0.00000 | 602892.1 | 369174.3 | 0.0 | S |
| 65.975 | 0.0000 | 0.0000 | 82.876 | 0.42187 | 0.00000 | 602892.1 | 369186.9 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{A}^{3 / \mathrm{s}} \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overfow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 65.983 | 0.0000 | 0.0000 | 82.876 | 0.42181 | 0.00000 | 602892.1 | 369199.6 | 0.0 | S |
| 65.992 | 0.0000 | 0.0000 | 82.875 | 0.42176 | 0.00000 | 602892.1 | 369212.2 | 0.0 | S |
| 66.000 | 0.0000 | 0.0000 | 82.875 | 0.42171 | 0.00000 | 602892.1 | 369224.9 | 0.0 | S |
| 66.008 | 0.0000 | 0.0000 | 82.875 | 0.42165 | 0.00000 | 602892.1 | 369237.5 | 0.0 | S |
| 66.017 | 0.0000 | 0.0000 | 82.875 | 0.42160 | 0.00000 | 602892.1 | 369250.2 | 0.0 | S |
| 66.025 | 0.0000 | 0.0000 | 82.875 | 0.42155 | 0.00000 | 602892.1 | 369262.8 | 0.0 | S |
| 66.033 | 0.0000 | 0.0000 | 82.874 | 0.42149 | 0.00000 | 602892.1 | 369275.5 | 0.0 | S |
| 66.042 | 0.0000 | 0.0000 | 82.874 | 0.42144 | 0.00000 | 602892.1 | 369288.1 | 0.0 | S |
| 66.050 | 0.0000 | 0.0000 | 82.874 | 0.42139 | 0.00000 | 602892.1 | 369300.8 | 0.0 | S |
| 66.058 | 0.0000 | 0.0000 | 82.874 | 0.42134 | 0.00000 | 602892.1 | 369313.4 | 0.0 | S |
| 66.067 | 0.0000 | 0.0000 | 82.874 | 0.42128 | 0.00000 | 602892.1 | 369326.0 | 0.0 | S |
| 66.075 | 0.0000 | 0.0000 | 82.873 | 0.42123 | 0.00000 | 602892.1 | 369338.7 | 0.0 | S |
| 66.083 | 0.0000 | 0.0000 | 82.873 | 0.42118 | 0.00000 | 602892.1 | 369351.3 | 0.0 | S |
| 66.092 | 0.0000 | 0.0000 | 82.873 | 0.42112 | 0.00000 | 602892.1 | 369363.9 | 0.0 | S |
| 66.100 | 0.0000 | 0.0000 | 82.873 | 0.42107 | 0.00000 | 602892.1 | 369376.6 | 0.0 | S |
| 66.108 | 0.0000 | 0.0000 | 82.873 | 0.42102 | 0.00000 | 602892.1 | 369389.2 | 0.0 | S |
| 66.117 | 0.0000 | 0.0000 | 82.872 | 0.42096 | 0.00000 | 602892.1 | 369401.8 | 0.0 | S |
| 66.125 | 0.0000 | 0.0000 | 82.872 | 0.42091 | 0.00000 | 602892.1 | 369414.4 | 0.0 | S |
| 66.133 | 0.0000 | 0.0000 | 82.872 | 0.42086 | 0.00000 | 602892.1 | 369427.1 | 0.0 | S |
| 66.142 | 0.0000 | 0.0000 | 82.872 | 0.42081 | 0.00000 | 602892.1 | 369439.7 | 0.0 | S |
| 66.150 | 0.0000 | 0.0000 | 82.872 | 0.42075 | 0.00000 | 602892.1 | 369452.3 | 0.0 | S |
| 66.158 | 0.0000 | 0.0000 | 82.871 | 0.42070 | 0.00000 | 602892.1 | 369464.9 | 0.0 | S |
| 66.167 | 0.0000 | 0.0000 | 82.871 | 0.42065 | 0.00000 | 602892.1 | 369477.6 | 0.0 | S |
| 66.175 | 0.0000 | 0.0000 | 82.871 | 0.42059 | 0.00000 | 602892.1 | 369490.2 | 0.0 | S |
| 66.183 | 0.0000 | 0.0000 | 82.871 | 0.42054 | 0.00000 | 602892.1 | 369502.8 | 0.0 | S |
| 66,192 | 0.0000 | 0.0000 | 82.871 | 0.42049 | 0.00000 | 602892.1 | 369515.4 | 0.0 | S |
| 66.200 | 0.0000 | 0.0000 | 82.870 | 0.42043 | 0.00000 | 602892.1 | 369528.0 | 0.0 | S |
| 66.208 | 0.0000 | 0.0000 | 82.870 | 0.42038 | 0.00000 | 602892.1 | 369540.7 | 0.0 | S |
| 66.217 | 0.0000 | 0.0000 | 82.870 | 0.42033 | 0.00000 | 602892.1 | 369553.3 | 0.0 | S |
| 66.225 | 0.0000 | 0.0000 | 82.870 | 0.42028 | 0.00000 | 602892.1 | 369565.9 | 0.0 | S |
| 66.233 | 0.0000 | 0.0000 | 82.870 | 0.42022 | 0.00000 | 602892.1 | 369578.5 | 0.0 | S |
| 66.242 | 0.0000 | 0.0000 | 82.869 | 0.42017 | 0.00000 | 602892.1 | 369591.1 | 0.0 | S |
| 66.250 | 0.0000 | 0.0000 | 82.869 | 0.42012 | 0.00000 | 602892.1 | 369603.7 | 0.0 | S |
| 66.258 | 0.0000 | 0.0000 | 82.869 | 0.42007 | 0.00000 | 602892.1 | 369616.3 | 0.0 | S |
| 66.267 | 0.0000 | 0.0000 | 82.869 | 0.42001 | 0.00000 | 602892.1 | 369628.9 | 0.0 | S |
| 66.275 | 0.0000 | 0.0000 | 82.869 | 0.41996 | 0.00000 | 602892.1 | 369641.5 | 0.0 | S |
| 66.283 | 0.0000 | 0.0000 | 82.868 | 0.41991 | 0.00000 | 602892.1 | 369654.1 | 0.0 | S |
| 66.292 | 0.0000 | 0.0000 | 82.868 | 0.41985 | 0.00000 | 602892.1 | 369666.7 | 0.0 | S |
| 66.300 | 0.0000 | 0.0000 | 82.868 | 0.41980 | 0.00000 | 602892.1 | 369679.3 | 0.0 | S |
| 66.308 | 0.0000 | 0.0000 | 82.868 | 0.41975 | 0.00000 | 602892.1 | 369691.9 | 0.0 | S |
| 66.317 | 0.0000 | 0.0000 | 82.868 | 0.41970 | 0.00000 | 602892.1 | 369704.5 | 0.0 | S |
| 66.325 | 0.0000 | 0.0000 | 82.867 | 0.41964 | 0.00000 | 602892.1 | 369717.1 | 0.0 | S |
| 66.333 | 0.0000 | 0.0000 | 82.867 | 0.41959 | 0.00000 | 602892.1 | 369729.6 | 0.0 | S |
| 66.342 | 0.0000 | 0.0000 | 82.867 | 0.41954 | 0.00000 | 602892.1 | 369742.2 | 0.0 | S |
| 66.350 | 0.0000 | 0.0000 | 82.867 | 0.41949 | 0.00000 | 602892.1 | 369754.8 | 0.0 | S |
| 66.358 | 0.0000 | 0.0000 | 82.867 | 0.41943 | 0.00000 | 602892.1 | 369767.4 | 0.0 | S |
| 66.367 | 0.0000 | 0.0000 | 82.866 | 0.41938 | 0.00000 | 602892.1 | 369780.0 | 0.0 | S |
| 66.375 | 0.0000 | 0.0000 | 82.866 | 0.41933 | 0.00000 | 602892.1 | 369792.6 | 0.0 | S |
| 66.383 | 0.0000 | 0.0000 | 82.866 | 0.41928 | 0.00000 | 602892.1 | 369805.1 | 0.0 | S |
| 66.392 | 0.0000 | 0.0000 | 82.866 | 0.41922 | 0.00000 | 602892.1 | 369817.7 | 0.0 | S |
| 66.400 | 0.0000 | 0.0000 | 82.866 | 0.41917 | 0.00000 | 602892.1 | 369830.3 | 0.0 | S |
| 66.408 | 0.0000 | 0.0000 | 82.865 | 0.41912 | 0.00000 | 602892.1 | 369842.9 | 0.0 | S |
| 66.417 | 0.0000 | 0.0000 | 82.865 | 0.41907 | 0.00000 | 602892.1 | 369855.4 | 0.0 | S |
| 66.425 | 0.0000 | 0.0000 | 82.865 | 0.41901 | 0.00000 | 602892.1 | 369868.0 | 0.0 | S |
| 66.433 | 0.0000 | 0.0000 | 82.865 | 0.41896 | 0.00000 | 602892.1 | 369880.6 | 0.0 | S |
| 66.442 | 0.0000 | 0,0000 | 82.865 | 0.41891 | 0.00000 | 602892.1 | 369893.2 | 0.0 | S |
| 66.450 | 0.0000 | 0.0000 | 82.864 | 0.41886 | 0.00000 | 602892.1 | 369905.7 | 0.0 | S |
| 66.458 | 0.0000 | 0.0000 | 82.864 | 0.41880 | 0.00000 | 602892.1 | 369918.3 | 0.0 | S |
| 66.467 | 0.0000 | 0.0000 | 82.864 | 0.41875 | 0.00000 | 602892.1 | 369930.8 | 0.0 | S |
| 66.475 | 0.0000 | 0.0000 | 82.864 | 0.41870 | 0.00000 | 602892.1 | 369943.4 | 0.0 | S |
| 66.483 | 0.0000 | 0.0000 | 82.864 | 0.41865 | 0.00000 | 602892.1 | 369956.0 | 0.0 | S |
| 66.492 | 0.0000 | 0.0000 | 82.863 | 0.41859 | 0.00000 | 602892.1 | 369968.5 | 0.0 | S |
| 66.500 | 0.0000 | 0.0000 | 82.863 | 0.41854 | 0.00000 | 602892.1 | 369981.1 | 0.0 | S |
| 66.508 | 0.0000 | 0.0000 | 82.863 | 0.41849 | 0.00000 | 602892.1 | 369993.6 | 0.0 | S |
| 66.517 | 0.0000 | 0.0000 | 82.863 | 0.41844 | 0.00000 | 602892.1 | 370006.2 | 0.0 | S |
| 66.525 | 0.0000 | 0.0000 | 82.863 | 0.41838 | 0.00000 | 602892.1 | 370018.8 | 0.0 | S |
| 66.533 | 0.0000 | 0.0000 | 82.862 | 0.41833 | 0.00000 | 602892.1 | 370031.3 | 0.0 | S |
| 66.542 | 0.0000 | 0.0000 | 82.862 | 0.41828 | 0.00000 | 602892.1 | 370043.8 | 0.0 | S |
| 66.550 | 0.0000 | 0.0000 | 82.862 | 0.41823 | 0.00000 | 602892.1 | 370056.4 | 0.0 | S |
| 66.558 | 0.0000 | 0.0000 | 82.862 | 0.41818 | 0.00000 | 602892.1 | 370068.9 | 0.0 | S |
| 66.567 | 0.0000 | 0.0000 | 82.862 | 0.41812 | 0.00000 | 602892.1 | 370081.5 | 0.0 | S |
| 66.575 | 0.0000 | 0.0000 | 82.861 | 0.41807 | 0.00000 | 602892.1 | 370094.0 | 0.0 | S |
| 66.583 | 0.0000 | 0.0000 | 82.861 | 0.41802 | 0.00000 | 602892.1 | 370106.6 | 0.0 | S |
| 66.592 | 0.0000 | 0.0000 | 82.861 | 0.41797 | 0.00000 | 602892.1 | 370119.1 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year $/ 24$ hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (f1/day) | Stage Elevation (ft datum) | infiltration Rate (ft ${ }^{3}$ s) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Dischafge Volume ( $\mathrm{fl}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 66.600 | 0.0000 | 0.0000 | 82.861 | 0.41791 | 0.00000 | 602892.1 | 370131.7 | 0.0 | S |
| 66.608 | 0.0000 | 0.0000 | 82.861 | 0.41786 | 0.00000 | 602892.1 | 370144.2 | 0.0 | S |
| 66.617 | 0.0000 | 0.0000 | 82.860 | 0.41781 | 0.00000 | 602892.1 | 370156.7 | 0.0 | S |
| 66.625 | 0.0000 | 0.0000 | 82.860 | 0.41776 | 0.00000 | 602892.1 | 370169.3 | 0.0 | S |
| 66.633 | 0.0000 | 0.0000 | 82.860 | 0.41771 | 0.00000 | 602892.1 | 370181.8 | 0.0 | S |
| 66.642 | 0.0000 | 0.0000 | 82.860 | 0.41765 | 0.00000 | 602892.1 | 370194.3 | 0.0 | S |
| 66.650 | 0.0000 | 0.0000 | 82.860 | 0.41760 | 0.00000 | 602892.1 | 370206.8 | 0.0 | S |
| 66.658 | 0.0000 | 0.0000 | 82.859 | 0.41755 | 0.00000 | 602892.1 | 370219.4 | 0.0 | S |
| 66.667 | 0.0000 | 0.0000 | 82.859 | 0.41750 | 0.00000 | 602892.1 | 370231.9 | 0.0 | S |
| 66.675 | 0.0000 | 0.0000 | 82.859 | 0.41745 | 0.00000 | 602892.1 | 370244.4 | 0.0 | S |
| 66.683 | 0.0000 | 0.0000 | 82.859 | 0.41739 | 0.00000 | 602892.1 | 370256.9 | 0.0 | S |
| 66.692 | 0.0000 | 0.0000 | 82.859 | 0.41734 | 0.00000 | 602892.1 | 370269.5 | 0.0 | S |
| 66.700 | 0.0000 | 0.0000 | 82.858 | 0.41729 | 0.00000 | 602892.1 | 370282.0 | 0.0 | S |
| 66.708 | 0.0000 | 0.0000 | 82.858 | 0.41724 | 0.00000 | 602892.1 | 370294.5 | 0.0 | S |
| 66.717 | 0.0000 | 0.0000 | 82.858 | 0.41719 | 0.00000 | 602892.1 | 370307.0 | 0.0 | S |
| 66.725 | 0.0000 | 0.0000 | 82.858 | 0.41713 | 0.00000 | 602892.1 | 370319.5 | 0.0 | S |
| 66.733 | 0.0000 | 0.0000 | 82.858 | 0.41708 | 0.00000 | 602892.1 | 370332.0 | 0.0 | S |
| 66.742 | 0.0000 | 0.0000 | 82.857 | 0.41703 | 0.00000 | 602892.1 | 370344.6 | 0.0 | S |
| 66.750 | 0.0000 | 0.0000 | 82.857 | 0.41698 | 0.00000 | 602892.1 | 370357.1 | 0.0 | S |
| 66.758 | 0.0000 | 0.0000 | 82.857 | 0.41693 | 0.00000 | 602892.1 | 370369.6 | 0.0 | S |
| 66.767 | 0.0000 | 0.0000 | 82.857 | 0.41687 | 0.00000 | 602892.1 | 370382.1 | 0.0 | S |
| 66.775 | 0.0000 | 0.0000 | 82.857 | 0.41682 | 0.00000 | 602892.1 | 370394.6 | 0.0 | S |
| 66.783 | 0.0000 | 0.0000 | 82.856 | 0.41677 | 0.00000 | 602892.1 | 370407.1 | 0.0 | S |
| 66.792 | 0.0000 | 0.0000 | 82.856 | 0.41672 | 0.00000 | 602892.1 | 370419.6 | 0.0 | S |
| 66.800 | 0.0000 | 0.0000 | 82.856 | 0.41667 | 0.00000 | 602892.1 | 370432.1 | 0.0 | S |
| 66.808 | 0.0000 | 0.0000 | 82.856 | 0.41661 | 0.00000 | 602892.1 | 370444.6 | 0.0 | S |
| 66.817 | 0.0000 | 0.0000 | 82.856 | 0.41656 | 0.00000 | 602892.1 | 370457.1 | 0.0 | S |
| 66.825 | 0.0000 | 0.0000 | 82.855 | 0.41651 | 0.00000 | 602892.1 | 370469.6 | 0.0 | S |
| 66.833 | 0.0000 | 0.0000 | 82.855 | 0.41646 | 0.00000 | 602892.1 | 370482.1 | 0.0 | S |
| 66.842 | 0.0000 | 0.0000 | 82.855 | 0.41641 | 0.00000 | 602892.1 | 370494.6 | 0.0 | S |
| 66.850 | 0.0000 | 0.0000 | 82.855 | 0.41636 | 0.00000 | 602892.1 | 370507.1 | 0.0 | S |
| 66.858 | 0.0000 | 0.0000 | 82.855 | 0.41630 | 0.00000 | 602892.1 | 370519.6 | 0.0 | S |
| 66.867 | 0.0000 | 0.0000 | 82.854 | 0.41625 | 0.00000 | 602892.1 | 370532.0 | 0.0 | S |
| 66.875 | 0.0000 | 0.0000 | 82.854 | 0.41620 | 0.00000 | 602892.1 | 370544.5 | 0.0 | S |
| 66.883 | 0.0000 | 0.0000 | 82.854 | 0.41615 | 0.00000 | 602892.1 | 370557.0 | 0.0 | S |
| 66.892 | 0.0000 | 0.0000 | 82.854 | 0.41610 | 0.00000 | 602892.1 | 370569.5 | 0.0 | S |
| 66.900 | 0.0000 | 0.0000 | 82.854 | 0.41605 | 0.00000 | 602892.1 | 370582.0 | 0.0 | S |
| 66.908 | 0.0000 | 0.0000 | 82.853 | 0.41599 | 0.00000 | 602892.1 | 370594.5 | 0.0 | S |
| 66.917 | 0.0000 | 0.0000 | 82.853 | 0.41594 | 0.00000 | 602892.1 | 370606.9 | 0.0 | S |
| 66.925 | 0.0000 | 0.0000 | 82.853 | 0.41589 | 0.00000 | 602892.1 | 370619.4 | 0.0 | S |
| 66.933 | 0.0000 | 0.0000 | 82.853 | 0.41584 | 0.00000 | 602892.1 | 370631.9 | 0.0 | S |
| 66.942 | 0.0000 | 0.0000 | 82.853 | 0.41579 | 0.00000 | 602892.1 | 370644.4 | 0.0 | S |
| 66.950 | 0.0000 | 0.0000 | 82.852 | 0.41574 | 0.00000 | 602892.1 | 370656.8 | 0.0 | S |
| 66.958 | 0.0000 | 0.0000 | 82.852 | 0.41568 | 0.00000 | 602892.1 | 370669.3 | 0.0 | S |
| 66.967 | 0.0000 | 0.0000 | 82.852 | 0.41563 | 0.00000 | 602892.1 | 370681.8 | 0.0 | S |
| 66.975 | 0.0000 | 0.0000 | 82.852 | 0.41558 | 0.00000 | 602892.1 | 370694.3 | 0.0 | S |
| 66.983 | 0.0000 | 0.0000 | 82.852 | 0.41553 | 0.00000 | 602892.1 | 370706.7 | 0.0 | S |
| 66.992 | 0.0000 | 0.0000 | 82.851 | 0.41548 | 0.00000 | 602892.1 | 370719.2 | 0.0 | S |
| 67.000 | 0.0000 | 0.0000 | 82.851 | 0.41543 | 0.00000 | 602892.1 | 370731.7 | 0.0 | S |
| 67.008 | 0.0000 | 0.0000 | 82.851 | 0.41537 | 0.00000 | 602892.1 | 370744.1 | 0.0 | S |
| 67.017 | 0.0000 | 0.0000 | 82.851 | 0.41532 | 0.00000 | 602892.1 | 370756.6 | 0.0 | S |
| 67.025 | 0.0000 | 0.0000 | 82.851 | 0.41527 | 0.00000 | 602892.1 | 370769.0 | 0.0 | S |
| 67.033 | 0.0000 | 0.0000 | 82.850 | 0.41522 | 0.00000 | 602892.1 | 370781.5 | 0.0 | S |
| 67.042 | 0.0000 | 0.0000 | 82.850 | 0.41517 | 0.00000 | 602892.1 | 370793.9 | 0.0 | S |
| 67.050 | 0.0000 | 0.0000 | 82.850 | 0.41512 | 0.00000 | 602892.1 | 370806.4 | 0.0 | S |
| 67.058 | 0.0000 | 0.0000 | 82.850 | 0.41507 | 0.00000 | 602892.1 | 370818.8 | 0.0 | S |
| 67.067 | 0.0000 | 0.0000 | 82.850 | 0.41501 | 0.00000 | 602892.1 | 370831.3 | 0.0 | S |
| 67.075 | 0.0000 | 0.0000 | 82.849 | 0.41496 | 0.00000 | 602892.1 | 370843.8 | 0.0 | S |
| 67.083 | 0.0000 | 0.0000 | 82.849 | 0.41491 | 0.00000 | 602892.1 | 370856.2 | 0.0 | S |
| 67.092 | 0.0000 | 0.0000 | 82.849 | 0.41486 | 0.00000 | 602892.1 | 370868.6 | 0.0 | S |
| 67.100 | 0.0000 | 0.0000 | 82.849 | 0.41481 | 0.00000 | 602892.1 | 370881.1 | 0.0 | S |
| 67.108 | 0.0000 | 0.0000 | 82.849 | 0.41476 | 0.00000 | 602892.1 | 370893.5 | 0.0 | S |
| 67.117 | 0.0000 | 0.0000 | 82.848 | 0.41471 | 0.00000 | 602892.1 | 370906.0 | 0.0 | S |
| 67.125 | 0.0000 | 0.0000 | 82.848 | 0.41466 | 0.00000 | 602892.1 | 370918.4 | 0.0 | S |
| 67.133 | 0.0000 | 0.0000 | 82.848 | 0.41460 | 0.00000 | 602892.1 | 370930.8 | 0.0 | S |
| 67.142 | 0.0000 | 0.0000 | 82.848 | 0.41455 | 0.00000 | 602892.1 | 370943.3 | 0.0 | S |
| 67.150 | 0.0000 | 0.0000 | 82.848 | 0.41450 | 0.00000 | 602892.1 | 370955.7 | 0.0 | S |
| 67.158 | 0.0000 | 0.0000 | 82.847 | 0.41445 | 0.00000 | 602892.1 | 370968.2 | 0.0 | S |
| 67.167 | 0.0000 | 0.0000 | 82.847 | 0.41440 | 0.00000 | 602892.1 | 370980.6 | 0.0 | S |
| 67.175 | 0.0000 | 0.0000 | 82.847 | 0.41435 | 0.00000 | 602892.1 | 370993.0 | 0.0 | S |
| 67.183 | 0.0000 | 0.0000 | 82.847 | 0.41430 | 0.00000 | 602892.1 | 371005.4 | 0.0 | S |
| 67.192 | 0.0000 | 0.0000 | 82.847 | 0.41425 | 0.00000 | 602892.1 | 371017.9 | 0.0 | S |
| 67.200 | 0.0000 | 0.0000 | 82.846 | 0.41419 | 0.00000 | 602892.1 | 371030.3 | 0.0 | S |
| 67.208 | 0.0000 | 0.0000 | 82.846 | 0.41414 | 0.00000 | 602892.1 | 371042.7 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{13} \mathrm{~s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 67.217 | 0.0000 | 0.0000 | 82.846 | 0.41409 | 0.00000 | 602892.1 | 371055.2 | 0.0 | S |
| 67.225 | 0.0000 | 0.0000 | 82.846 | 0.41404 | 0.00000 | 602892.1 | 371067.6 | 0.0 | S |
| 67.233 | 0.0000 | 0.0000 | 82.846 | 0.41399 | 0.00000 | 602892.1 | 371080.0 | 0.0 | S |
| 67.242 | 0.0000 | 0.0000 | 82.846 | 0.41394 | 0.00000 | 602892.1 | 371092.4 | 0.0 | S |
| 67.250 | 0.0000 | 0.0000 | 82.845 | 0.41389 | 0.00000 | 602892.1 | 371104.8 | 0.0 | S |
| 67.258 | 0.0000 | 0.0000 | 82.845 | 0.41384 | 0.00000 | 602892.1 | 371117.3 | 0.0 | S |
| 67.267 | 0.0000 | 0.0000 | 82.845 | 0.41378 | 0.00000 | 602892.1 | 371129.7 | 0.0 | S |
| 67.275 | 0.0000 | 0.0000 | 82.845 | 0.41373 | 0.00000 | 602892.1 | 371142.1 | 0.0 | S |
| 67.283 | 0.0000 | 0.0000 | 82.845 | 0.41368 | 0.00000 | 602892.1 | 371154.5 | 0.0 | S |
| 67.292 | 0.0000 | 0.0000 | 82.844 | 0.41363 | 0.00000 | 602892.1 | 371166.9 | 0.0 | S |
| 67.300 | 0.0000 | 0.0000 | 82.844 | 0.41358 | 0.00000 | 602892.1 | 371179.3 | 0.0 | S |
| 67.308 | 0.0000 | 0.0000 | 82.844 | 0.41353 | 0.00000 | 602892.1 | 371191.7 | 0.0 | S |
| 67.317 | 0.0000 | 0.0000 | 82.844 | 0.41348 | 0.00000 | 602892.1 | 371204.1 | 0.0 | S |
| 67.325 | 0.0000 | 0.0000 | 82.844 | 0.41343 | 0.00000 | 602892.1 | 371216.5 | 0.0 | S |
| 67.333 | 0.0000 | 0.0000 | 82.843 | 0.41338 | 0.00000 | 602892.1 | 371228.9 | 0.0 | S |
| 67.342 | 0.0000 | 0.0000 | 82.843 | 0.41333 | 0.00000 | 602892.1 | 371241.3 | 0.0 | S |
| 67.350 | 0.0000 | 0.0000 | 82.843 | 0.41327 | 0.00000 | 602892.1 | 371253.7 | 0.0 | S |
| 67.358 | 0.0000 | 0.0000 | 82.843 | 0.41322 | 0.00000 | 602892.1 | 371266.1 | 0.0 | S |
| 67.367 | 0.0000 | 0.0000 | 82.843 | 0.41317 | 0.00000 | 602892.1 | 371278.5 | 0.0 | S |
| 67.375 | 0.0000 | 0.0000 | 82.842 | 0.41312 | 0.00000 | 602892.1 | 371290.9 | 0.0 | S |
| 67.383 | 0.0000 | 0.0000 | 82.842 | 0.41307 | 0.00000 | 602892.1 | 371303.3 | 0.0 | S |
| 67.392 | 0.0000 | 0.0000 | 82.842 | 0.41302 | 0.00000 | 602892.1 | 371315.7 | 0.0 | S |
| 67.400 | 0.0000 | 0.0000 | 82.842 | 0.41297 | 0.00000 | 602892.1 | 371328.1 | 0.0 | S |
| 67.408 | 0.0000 | 0.0000 | 82.842 | 0.41292 | 0.00000 | 602892.1 | $37 \ddagger 340.5$ | 0.0 | S |
| 67.417 | 0.0000 | 0.0000 | 82.841 | 0.41287 | 0.00000 | 602892.1 | 371352.8 | 0.0 | S |
| 67.425 | 0.0000 | 0.0000 | 82.841 | 0.41282 | 0.00000 | 602892.1 | 371365.3 | 0.0 | S |
| 67.433 | 0.0000 | 0.0000 | 82.841 | 0.41277 | 0.00000 | 602892.1 | 371377.6 | 0.0 | S |
| 67.442 | 0.0000 | 0.0000 | 82.841 | 0.41271 | 0.00000 | 602892.1 | 371390.0 | 0.0 | S |
| 67.450 | 0.0000 | 0.0000 | 82.841 | 0.41266 | 0.00000 | 602892.1 | 371402.4 | 0.0 | S |
| 67.458 | 0.0000 | 0.0000 | 82.840 | 0.41261 | 0.00000 | 602892.1 | 371414.8 | 0.0 | S |
| 67.467 | 0.0000 | 0.0000 | 82.840 | 0.41256 | 0.00000 | 602892.1 | 371427.2 | 0.0 | S |
| 67.475 | 0.0000 | 0.0000 | 82.840 | 0.41251 | 0.00000 | 602892.1 | 371439.5 | 0.0 | S |
| 67.483 | 0.0000 | 0.0000 | 82.840 | 0.41246 | 0.00000 | 602892.1 | 371451.9 | 0.0 | S |
| 67.492 | 0.0000 | 0.0000 | 82.840 | 0.41241 | 0.00000 | 602892.1 | 371464.3 | 0.0 | S |
| 67.500 | 0.0000 | 0.0000 | 82.839 | 0.41236 | 0.00000 | 602892.1 | 371476.7 | 0.0 | S |
| 67.508 | 0.0000 | 0.0000 | 82.839 | 0.41231 | 0.00000 | 602892.1 | 371489.0 | 0.0 | S |
| 67.517 | 0.0000 | 0.0000 | 82.839 | 0.41226 | 0.00000 | 602892.1 | 371501.4 | 0.0 | S |
| 67.525 | 0.0000 | 0.0000 | 82.839 | 0.41221 | 0.00000 | 602892.1 | 371513.8 | 0.0 | S |
| 67.533 | 0.0000 | 0.0000 | 82.839 | 0.41216 | 0.00000 | 602892.1 | 371526.1 | 0.0 | S |
| 67.542 | 0.0000 | 0.0000 | 82.838 | 0.41211 | 0.00000 | 602892.1 | 371538.5 | 0.0 | S |
| 67.550 | 0.0000 | 0.0000 | 82.838 | 0.41206 | 0.00000 | 602892.1 | 371550.8 | 0.0 | S |
| 67.558 | 0.0000 | 0.0000 | 82.838 | 0.41200 | 0.00000 | 602892.1 | 371563.2 | 0.0 | S |
| 67.567 | 0.0000 | 0.0000 | 82.838 | 0.41195 | 0.00000 | 602892.1 | 371575.6 | 0.0 | S |
| 67.575 | 0.0000 | 0.0000 | 82.838 | 0.41190 | 0.00000 | 602892.1 | 371587.9 | 0.0 | S |
| 67.583 | 0.0000 | 0.0000 | 82.837 | 0.41185 | 0.00000 | 602892.1 | 371600.3 | 0.0 | S |
| 67.592 | 0.0000 | 0.0000 | 82.837 | 0.41180 | 0.00000 | 602892.1 | 371612.6 | 0.0 | S |
| 67.600 | 0.0000 | 0.0000 | 82.837 | 0.41175 | 0.00000 | 602892.4 | 371625.0 | 0.0 | S |
| 67.608 | 0.0000 | 0.0000 | 82.837 | 0.41170 | 0.00000 | 602892.1 | 371637.3 | 0.0 | S |
| 67.617 | 0.0000 | 0.0000 | 82.837 | 0.41165 | 0.00000 | 602892.1 | 371649.7 | 0.0 | S |
| 67.625 | 0.0000 | 0.0000 | 82.836 | 0.41160 | 0.00000 | 602892.1 | 371662.0 | 0.0 | S |
| 67.633 | 0.0000 | 0.0000 | 82.836 | 0.41155 | 0.00000 | 602892.1 | 371674.4 | 0.0 | S |
| 67.642 | 0.0000 | 0.0000 | 82.836 | 0.41150 | 0.00000 | 602892.1 | 371686.7 | 0.0 | S |
| 67.650 | 0.0000 | 0.0000 | 82.836 | 0.41145 | 0.00000 | 602892.1 | 371699.1 | 0.0 | S |
| 67.658 | 0.0000 | 0.0000 | 82.836 | 0.41140 | 0.00000 | 602892.1 | 371711.4 | 0.0 | S |
| 67.667 | 0.0000 | 0.0000 | 82.835 | 0.41135 | 0.00000 | 602892.1 | 371723.8 | 0.0 | S |
| 67.675 | 0.0000 | 0.0000 | 82.835 | 0.41130 | 0.00000 | 602892.1 | 371736.1 | 0.0 | S |
| 67.683 | 0.0000 | 0.0000 | 82.835 | 0.41125 | 0.00000 | 602892.1 | 371748.4 | 0.0 | S |
| 67.692 | 0.0000 | 0.0000 | 82.835 | 0.41120 | 0.00000 | 602892.1 | 371760.8 | 0.0 | S |
| 67.700 | 0.0000 | 0.0000 | 82.835 | 0.41115 | 0.00000 | 602892.1 | 371773.1 | 0.0 | S |
| 67.708 | 0.0000 | 0.0000 | 82.834 | 0.41110 | 0.00000 | 602892.1 | 371785.4 | 0.0 | S |
| 67.717 | 0.0000 | 0.0000 | 82.834 | 0.41104 | 0.00000 | 602892.1 | 371797.8 | 0.0 | S |
| 67.725 | 0.0000 | 0.0000 | 82.834 | 0.41099 | 0.00000 | 602892.1 | 371810.1 | 0.0 | S |
| 67.733 | 0.0000 | 0.0000 | 82.834 | 0.41094 | 0.00000 | 602892.1 | 371822.4 | 0.0 | S |
| 67.742 | 0.0000 | 0.0000 | 82.834 | 0.41089 | 0.00000 | 602892.1 | 371834.8 | 0.0 | S |
| 67.750 | 0.0000 | 0.0000 | 82.833 | 0.41084 | 0.00000 | 602892.1 | 371847.1 | 0.0 | S |
| 67.758 | 0.0000 | 0.0000 | 82.833 | 0.41079 | 0.00000 | 602892.1 | 371859.4 | 0.0 | S |
| 67.767 | 0.0000 | 0.0000 | 82.833 | 0.41074 | 0.00000 | 602892.1 | 371871.7 | 0.0 | S |
| 67.775 | 0.0000 | 0.0000 | 82.833 | 0.41069 | 0.00000 | 602892.1 | 371884.1 | 0.0 | S |
| 67.783 | 0.0000 | 0.0000 | 82.833 | 0.41064 | 0.00000 | 602892.1 | 371896.4 | 0.0 | S |
| 67.792 | 0.0000 | 0.0000 | 82.832 | 0.41059 | 0.00000 | 602892.1 | 371908.7 | 0.0 | S |
| 67.800 | 0.0000 | 0.0000 | 82.832 | 0.41054 | 0.00000 | 602892.1 | 371921.0 | 0.0 | S |
| 67.808 | 0.0000 | 0.0000 | 82.832 | 0.41049 | 0.00000 | 602892.1 | 371933.3 | 0.0 | S |
| 67.817 | 0.0000 | 0.0000 | 82.832 | 0.41044 | 0.00000 | 602892.1 | 371945.6 | 0.0 | S |
| 67.825 | 0.0000 | 0.0000 | 82.832 | 0.41039 | 0.00000 | 602892.1 | 371957.9 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Outside Recharge (H/day) | Stage Elevation (ft datum) | Infiltration Rate $\left(\mathrm{H}^{3} / \mathrm{s}\right)$ | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Infiow Volume ( $\mathrm{f}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{t}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 67.833 | 0.0000 | 0.0000 | 82.831 | 0.41034 | 0.00000 | 602892.1 | 371970.3 | 0.0 | S |
| 67.842 | 0.0000 | 0.0000 | 82.831 | 0.41029 | 0.00000 | 602892.1 | 371982.6 | 0.0 | S |
| 67.850 | 0.0000 | 0.0000 | 82.831 | 0.41024 | 0.00000 | 602892.1 | 371994.9 | 0.0 | S |
| 67.858 | 0.0000 | 0.0000 | 82.831 | 0.41019 | 0.00000 | 602892.1 | 372007.2 | 0.0 | S |
| 67.867 | 0.0000 | 0.0000 | 82.831 | 0.41014 | 0.00000 | 602892.1 | 372019.5 | 0.0 | S |
| 67.875 | 0.0000 | 0.0000 | 82.830 | 0.41009 | 0.00000 | 602892.1 | 372031.8 | 0.0 | S |
| 67.883 | 0.0000 | 0.0000 | 82.830 | 0.41004 | 0.00000 | 602892.1 | 372044.1 | 0.0 | S |
| 67.892 | 0.0000 | 0.0000 | 82.830 | 0.40999 | 0.00000 | 602892.1 | 372056.4 | 0.0 | S |
| 67.900 | 0.0000 | 0.0000 | 82.830 | 0.40994 | 0.00000 | 602892.1 | 372068.7 | 0.0 | S |
| 67.908 | 0.0000 | 0.0000 | 82.830 | 0.40989 | 0.00000 | 602892.1 | 372081.0 | 0.0 | S |
| 67.917 | 0.0000 | 0.0000 | 82.830 | 0.40984 | 0.00000 | 602892.1 | 372093.3 | 0.0 | S |
| 67.925 | 0.0000 | 0.0000 | 82.829 | 0.40979 | 0.00000 | 602892.1 | 372105.6 | 0.0 | S |
| 67.933 | 0.0000 | 0.0000 | 82.829 | 0.40974 | 0.00000 | 602892.1 | 372117.9 | 0.0 | S |
| 67.942 | 0.0000 | 0.0000 | 82.829 | 0.40969 | 0.00000 | 602892.1 | 372130.2 | 0.0 | S |
| 67.950 | 0.0000 | 0.0000 | 82.829 | 0.40964 | 0.00000 | 602892.1 | 372142.5 | 0.0 | S |
| 67.958 | 0.0000 | 0.0000 | 82.829 | 0.40959 | 0.00000 | 602892.1 | 372154.8 | 0.0 | S |
| 67.967 | 0.0000 | 0.0000 | 82.828 | 0.40954 | 0.00000 | 602892.1 | 372167.0 | 0.0 | S |
| 67.975 | 0.0000 | 0.0000 | 82.828 | 0.40949 | 0.00000 | 602892.1 | 372179.3 | 0.0 | S |
| 67.983 | 0.0000 | 0.0000 | 82.828 | 0.40944 | 0.00000 | 602892.1 | 372191.6 | 0.0 | S |
| 67.992 | 0.0000 | 0.0000 | 82.828 | 0.40939 | 0.00000 | 602892.1 | 372203.9 | 0.0 | S |
| 68.000 | 0.0000 | 0.0000 | 82.828 | 0.40934 | 0.00000 | 602892.1 | 372216.2 | 0.0 | S |
| 68.008 | 0.0000 | 0.0000 | 82.827 | 0.40929 | 0.00000 | 602892.1 | 372228.4 | 0.0 | S |
| 68.017 | 0.0000 | 0.0000 | 82.827 | 0.40924 | 0.00000 | 602892.1 | 372240.7 | 0.0 | S |
| 68.025 | 0.0000 | 0.0000 | 82.827 | 0.40919 | 0.00000 | 602892.1 | 372253.0 | 0.0 | S |
| 68.033 | 0.0000 | 0.0000 | 82.827 | 0.40914 | 0.00000 | 602892.1 | 372265.3 | 0.0 | S |
| 68.042 | 0.0000 | 0.0000 | 82.827 | 0.40909 | 0.00000 | 602892.1 | 372277.5 | 0.0 | S |
| 68.050 | 0.0000 | 0.0000 | 82.826 | 0.40904 | 0.00000 | 602892.1 | 372289.8 | 0.0 | S |
| 68.058 | 0.0000 | 0.0000 | 82.826 | 0.40899 | 0.00000 | 602892.1 | 372302.1 | 0.0 | S |
| 68.067 | 0.0000 | 0.0000 | 82.826 | 0.40894 | 0.00000 | 602892.1 | 372314.3 | 0.0 | S |
| 68.075 | 0.0000 | 0.0000 | 82.826 | 0.40889 | 0.00000 | 602892.1 | 372326.6 | 0.0 | S |
| 68.083 | 0.0000 | 0.0000 | 82.826 | 0.40884 | 0.00000 | 602892.1 | 372338.9 | 0.0 | S |
| 68.092 | 0.0000 | 0.0000 | 82.825 | 0.40879 | 0.00000 | 602892.1 | 372351.2 | 0.0 | S |
| 68.100 | 0.0000 | 0.0000 | 82.825 | 0.40874 | 0.00000 | 602892.1 | 372363.4 | 0.0 | S |
| 68.108 | 0.0000 | 0.0000 | 82.825 | 0.40869 | 0.00000 | 602892.1 | 372375.7 | 0.0 | S |
| 68.117 | 0.0000 | 0.0000 | 82.825 | 0.40864 | 0.00000 | 602892.1 | 372387.9 | 0.0 | S |
| 68.125 | 0.0000 | 0.0000 | 82.825 | 0.40859 | 0.00000 | 602892.1 | 372400.2 | 0.0 | S |
| 68.133 | 0.0000 | 0.0000 | 82.824 | 0.40854 | 0.00000 | 602892.1 | 372412.5 | 0.0 | S |
| 68.142 | 0.0000 | 0.0000 | 82.824 | 0.40849 | 0.00000 | 602892.1 | 372424.7 | 0.0 | S |
| 68.150 | 0.0000 | 0.0000 | 82.824 | 0.40844 | 0.00000 | 602892.1 | 372437.0 | 0.0 | S |
| 68.158 | 0.0000 | 0.0000 | 82.824 | 0.40839 | 0.00000 | 602892.1 | 372449.2 | 0.0 | S |
| 68.167 | 0.0000 | 0.0000 | 82.824 | 0.40834 | 0.00000 | 602892.1 | 372461.5 | 0.0 | S |
| 68.175 | 0.0000 | 0.0000 | 82.823 | 0.40829 | 0.00000 | 602892.1 | 372473.7 | 0.0 | S |
| 68.183 | 0.0000 | 0.0000 | 82.823 | 0.40824 | 0.00000 | 602892.1 | 372486.0 | 0.0 | S |
| 68.192 | 0.0000 | 0.0000 | 82.823 | 0.40819 | 0.00000 | 602892.1 | 372498.2 | 0.0 | S |
| 68.200 | 0.0000 | 0.0000 | 82.823 | 0.40814 | 0.00000 | 602892.1 | 372510.5 | 0.0 | S |
| 68.208 | 0.0000 | 0.0000 | 82.823 | 0.40809 | 0.00000 | 602892.1 | 372522.7 | 0.0 | S |
| 68.217 | 0.0000 | 0.0000 | 82.822 | 0.40805 | 0.00000 | 602892.1 | 372534.9 | 0.0 | S |
| 68.225 | 0.0000 | 0.0000 | 82.822 | 0.40800 | 0.00000 | 602892.1 | 372547.2 | 0.0 | S |
| 68.233 | 0.0000 | 0.0000 | 82.822 | 0.40795 | 0.00000 | 602892.1 | 372559.4 | 0.0 | S |
| 68.242 | 0.0000 | 0.0000 | 82.822 | 0.40790 | 0.00000 | 602892.1 | 372571.7 | 0.0 | S |
| 68.250 | 0.0000 | 0.0000 | 82.822 | 0.40785 | 0.00000 | 602892.1 | 372583.9 | 0.0 | S |
| 68.258 | 0.0000 | 0.0000 | 82.821 | 0.40780 | 0.00000 | 602892.1 | 372596.1 | 0.0 | S |
| 68.267 | 0.0000 | 0.0000 | 82.821 | 0.40775 | 0.00000 | 602892.1 | 372608.4 | 0.0 | S |
| 68.275 | 0.0000 | 0.0000 | 82.821 | 0.40770 | 0.00000 | 602892.1 | 372620.6 | 0.0 | S |
| 68.283 | 0.0000 | 0.0000 | 82.821 | 0.40765 | 0.00000 | 602892.1 | 372632.8 | 0.0 | S |
| 68.292 | 0.0000 | 0.0000 | 82.821 | 0.40760 | 0.00000 | 602892.1 | 372645.1 | 0.0 | S |
| 68.300 | 0.0000 | 0.0000 | 82.820 | 0.40755 | 0.00000 | 602892.1 | 372657.3 | 0.0 | S |
| 68.308 | 0.0000 | 0.0000 | 82.820 | 0.40750 | 0.00000 | 602892.1 | 372669.5 | 0.0 | S |
| 68.317 | 0.0000 | 0.0000 | 82.820 | 0.40745 | 0.00000 | 602892.1 | 372681.7 | 0.0 | S |
| 68.325 | 0.0000 | 0.0000 | 82.820 | 0.40740 | 0.00000 | 602892.1 | 372694.0 | 0.0 | S |
| 68.333 | 0.0000 | 0.0000 | 82.820 | 0.40735 | 0.00000 | 602892.1 | 372706.2 | 0.0 | S |
| 68.342 | 0.0000 | 0.0000 | 82.820 | 0.40730 | 0.00000 | 602892.1 | 372718.4 | 0.0 | S |
| 68.350 | 0.0000 | 0.0000 | 82.819 | 0.40725 | 0.00000 | 602892.1 | 372730.6 | 0.0 | S |
| 68.358 | 0.0000 | 0.0000 | 82.819 | 0.40720 | 0.00000 | 602892.1 | 372742.8 | 0.0 | S |
| 68.367 | 0.0000 | 0.0000 | 82.819 | 0.40715 | 0.00000 | 602892.1 | 372755.1 | 0.0 | S |
| 68.375 | 0.0000 | 0.0000 | 82.819 | 0.40710 | 0.00000 | 602892.1 | 372767.3 | 0.0 | S |
| 68.383 | 0.0000 | 0.0000 | 82.819 | 0.40706 | 0.00000 | 602892.1 | 372779.5 | 0.0 | S |
| 68.392 | 0.0000 | 0.0000 | 82.818 | 0.40701 | 0.00000 | 602892.1 | 372791.7 | 0.0 | S |
| 68.400 | 0.0000 | 0.0000 | 82.818 | 0.40696 | 0.00000 | 602892.1 | 372803.9 | 0.0 | S |
| 68.408 | 0.0000 | 0.0000 | 82.818 | 0.40691 | 0.00000 | 602892.1 | 372816.1 | 0.0 | S |
| 68.417 | 0.0000 | 0.0000 | 82.818 | 0.40686 | 0.00000 | 602892.1 | 372828.3 | 0.0 | S |
| 68.425 | 0.0000 | 0.0000 | 82.818 | 0.40681 | 0.00000 | 602892.1 | 372840.5 | 0.0 | S |
| 68.433 | 0.0000 | 0.0000 | 82.817 | 0.40676 | 0.00000 | 602892.1 | 372852.7 | 0.0 | S |
| 68.442 | 0.0000 | 0.0000 | 82.817 | 0.40671 | 0.00000 | 602892.1 | 372864.9 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont, d.)
:: Scenario 1 :: pond 9100 year $/ 24$ hour routing with pond 10 overflow

| Elapsed Time (hours) | Enflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (flday) | Stage Elevation (fl datum) | Infittration Rate ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume $\left(\mathrm{ft}^{3}\right.$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 68.450 | 0.0000 | 0.0000 | 82.817 | 0.40666 | 0.00000 | 602892.1 | 372877.1 | 0.0 | S |
| 68.458 | 0.0000 | 0.0000 | 82.817 | 0.40661 | 0.00000 | 602892.1 | 372889.3 | 0.0 | S |
| 68.467 | 0.0000 | 0.0000 | 82.817 | 0.40656 | 0.00000 | 602892.1 | 372901.5 | 0.0 | S |
| 68.475 | 0.0000 | 0.0000 | 82.816 | 0.40651 | 0.00000 | 602892.1 | 372913.7 | 0.0 | S |
| 68.483 | 0.0000 | 0.0000 | 82.816 | 0.40646 | 0.00000 | 602892.1 | 372925.9 | 0.0 | S |
| 68.492 | 0.0000 | 0.0000 | 82.816 | 0.40641 | 0.00000 | 602892.1 | 372938.1 | 0.0 | S |
| 68.500 | 0.0000 | 0.0000 | 82.816 | 0.40637 | 0.00000 | 602892.1 | 372950.3 | 0.0 | S |
| 68.508 | 0.0000 | 0.0000 | 82.816 | 0.40632 | 0.00000 | 602892.1 | 372962.5 | 0.0 | S |
| 68.517 | 0.0000 | 0.0000 | 82.815 | 0.40627 | 0.00000 | 602892.1 | 372974.7 | 0.0 | S |
| 68.525 | 0.0000 | 0.0000 | 82.815 | 0.40622 | 0.00000 | 602892.1 | 372986.8 | 0.0 | S |
| 68.533 | 0.0000 | 0.0000 | 82.815 | 0.40617 | 0.00000 | 602892.1 | 372999.0 | 0.0 | S |
| 68.542 | 0.0000 | 0.0000 | 82.815 | 0.40612 | 0.00000 | 602892.1 | 373011.2 | 0.0 | S |
| 68.550 | 0.0000 | 0.0000 | 82.815 | 0.40607 | 0.00000 | 602892.1 | 373023.4 | 0.0 | S |
| 68.558 | 0.0000 | 0.0000 | 82.814 | 0.40602 | 0.00000 | 602892.1 | 373035.6 | 0.0 | S |
| 68.567 | 0.0000 | 0.0000 | 82.814 | 0.40597 | 0.00000 | 602892.1 | 373047.8 | 0.0 | S |
| 68.575 | 0.0000 | 0.0000 | 82.814 | 0.40592 | 0.00000 | 602892.1 | 373059.9 | 0.0 | S |
| 68.583 | 0.0000 | 0.0000 | 82.814 | 0.40587 | 0.00000 | 602892.1 | 373072.1 | 0.0 | S |
| 68.592 | 0.0000 | 0.0000 | 82.814 | 0.40583 | 0.00000 | 602892.1 | 373084.3 | 0.0 | S |
| 68.600 | 0.0000 | 0.0000 | 82.813 | 0.40578 | 0.00000 | 602892.1 | 373096.5 | 0.0 | S |
| 68.608 | 0.0000 | 0.0000 | 82.813 | 0.40573 | 0.00000 | 602892.1 | 373108.7 | 0.0 | S |
| 68.617 | 0.0000 | 0.0000 | 82.813 | 0.40568 | 0.00000 | 602892.1 | 373120.8 | 0.0 | S |
| 68.625 | 0.0000 | 0.0000 | 82.813 | 0.40563 | 0.00000 | 602892.1 | 373133.0 | 0.0 | S |
| 68.633 | 0.0000 | 0.0000 | 82.813 | 0.40558 | 0.00000 | 602892.1 | 373145.2 | 0.0 | S |
| 68.642 | 0.0000 | 0.0000 | 82.812 | 0.40553 | 0.00000 | 602892.1 | 373157.3 | 0.0 | S |
| 68.650 | 0.0000 | 0.0000 | 82.812 | 0.40548 | 0.00000 | 602892.1 | 373169.5 | 0.0 | S |
| 68.658 | 0.0000 | 0.0000 | 82.812 | 0.40543 | 0.00000 | 602892.1 | 373181.7 | 0.0 | S |
| 68.667 | 0.0000 | 0.0000 | 82.812 | 0.40538 | 0.00000 | 602892.1 | 373193.8 | 0.0 | S |
| 68.675 | 0.0000 | 0.0000 | 82.812 | 0.40534 | 0.00000 | 602892.1 | 373206.0 | 0.0 | S |
| 68.683 | 0.0000 | 0.0000 | 82.812 | 0.40529 | 0.00000 | 602892.1 | 373218.1 | 0.0 | S |
| 68.692 | 0.0000 | 0.0000 | 82.811 | 0.40524 | 0.00000 | 602892.1 | 373230.3 | 0.0 | S |
| 68.700 | 0.0000 | 0.0000 | 82.811 | 0.40519 | 0.00000 | 602892.1 | 373242.4 | 0.0 | S |
| 68.708 | 0.0000 | 0.0000 | 82.811 | 0.40514 | 0.00000 | 602892.1 | 373254.6 | 0.0 | S |
| 68.717 | 0.0000 | 0.0000 | 82.811 | 0.40509 | 0.00000 | 602892.1 | 373266.8 | 0.0 | S |
| 68.725 | 0.0000 | 0.0000 | 82.811 | 0.40504 | 0.00000 | 602892.1 | 373278.9 | 0.0 | S |
| 68.733 | 0.0000 | 0.0000 | 82.810 | 0.40499 | 0.00000 | 602892.1 | 373291.1 | 0.0 | S |
| 68.742 | 0.0000 | 0.0000 | 82.810 | 0.40494 | 0.00000 | 602892.1 | 373303.2 | 0.0 | S |
| 68.750 | 0.0000 | 0.0000 | 82.810 | 0.40490 | 0.00000 | 602892.1 | 373315.3 | 0.0 | S |
| 68.758 | 0.0000 | 0.0000 | 82.810 | 0.40485 | 0.00000 | 602892.1 | 373327.5 | 0.0 | S |
| 68.767 | 0.0000 | 0.0000 | 82.810 | 0.40480 | 0.00000 | 602892.1 | 373339.7 | 0.0 | S |
| 68.775 | 0.0000 | 0.0000 | 82.809 | 0.40475 | 0.00000 | 602892.1 | 373351.8 | 0.0 | S |
| 68.783 | 0.0000 | 0.0000 | 82.809 | 0.40470 | 0.00000 | 602892.1 | 373363.9 | 0.0 | S |
| 68.792 | 0.0000 | 0.0000 | 82.809 | 0.40465 | 0.00000 | 602892.1 | 373376.1 | 0.0 | S |
| 68.800 | 0.0000 | 0.0000 | 82.809 | 0.40460 | 0.00000 | 602892.1 | 373388.2 | 0.0 | S |
| 68.808 | 0.0000 | 0.0000 | 82.809 | 0.40455 | 0.00000 | 602892.1 | 373400.3 | 0.0 | S |
| 68.817 | 0.0000 | 0.0000 | 82.808 | 0.40451 | 0.00000 | 602892.1 | 373412.5 | 0.0 | S |
| 68.825 | 0.0000 | 0.0000 | 82.808 | 0.40446 | 0.00000 | 602892.1 | 373424.6 | 0.0 | S |
| 68.833 | 0.0000 | 0.0000 | 82.808 | 0.40441 | 0.00000 | 602892.1 | 373436.8 | 0.0 | S |
| 68.842 | 0.0000 | 0.0000 | 82.808 | 0.40436 | 0.00000 | 602892.1 | 373448.9 | 0.0 | S |
| 68.850 | 0.0000 | 0.0000 | 82.808 | 0.40431 | 0.00000 | 602892.1 | 373461.0 | 0.0 | S |
| 68.858 | 0.0000 | 0.0000 | 82.807 | 0.40426 | 0.00000 | 602892.1 | 373473.2 | 0.0 | S |
| 68.867 | 0.0000 | 0.0000 | 82.807 | 0.40421 | 0.00000 | 602892.1 | 373485.3 | 0.0 | S |
| 68.875 | 0.0000 | 0.0000 | 82.807 | 0.40416 | 0.00000 | 602892.1 | 373497.4 | 0.0 | S |
| 68.883 | 0.0000 | 0.0000 | 82.807 | 0.40412 | 0.00000 | 602892.1 | 373509.5 | 0.0 | S |
| 68.892 | 0.0000 | 0.0000 | 82.807 | 0.40407 | 0.00000 | 602892.1 | 373521.7 | 0.0 | S |
| 68.900 | 0.0000 | 0.0000 | 82.806 | 0.40402 | 0.00000 | 602892.1 | 373533.8 | 0.0 | S |
| 68.908 | 0.0000 | 0.0000 | 82.806 | 0.40397 | 0.00000 | 602892.1 | 373545.9 | 0.0 | S |
| 68.917 | 0.0000 | 0.0000 | 82.806 | 0.40392 | 0.00000 | 602892.1 | 373558.0 | 0.0 | S |
| 68.925 | 0.0000 | 0.0000 | 82.806 | 0.40387 | 0.00000 | 602892.1 | 373570.1 | 0.0 | S |
| 68.933 | 0.0000 | 0.0000 | 82.806 | 0.40382 | 0.00000 | 602892.1 | 373582.3 | 0.0 | S |
| 68.942 | 0.0000 | 0.0000 | 82.805 | 0.40378 | 0.00000 | 602892.1 | 373594.3 | 0.0 | S |
| 68.950 | 0.0000 | 0.0000 | 82.805 | 0.40373 | 0.00000 | 602892.1 | 373606.5 | 0.0 | S |
| 68.958 | 0.0000 | 0.0000 | 82.805 | 0.40368 | 0.00000 | 602892.1 | 373618.6 | 0.0 | S |
| 68.967 | 0.0000 | 0.0000 | 82.805 | 0.40363 | 0.00000 | 602892.1 | 373630.7 | 0.0 | S |
| 68.975 | 0.0000 | 0.0000 | 82.805 | 0.40358 | 0.00000 | 602892.1 | 373642.8 | 0.0 | S |
| 68.983 | 0.0000 | 0.0000 | 82.805 | 0.40353 | 0.00000 | 602892.1 | 373654.9 | 0.0 | S |
| 68.992 | 0.0000 | 0.0000 | 82.804 | 0.40349 | 0.00000 | 602892.1 | 373667.0 | 0.0 | S |
| 69.000 | 0.0000 | 0.0000 | 82.804 | 0.40344 | 0.00000 | 602892.1 | 373679.1 | 0.0 | S |
| 69.008 | 0.0000 | 0.0000 | 82.804 | 0.40339 | 0.00000 | 602892.1 | 373691.2 | 0.0 | S |
| 69.017 | 0.0000 | 0.0000 | 82.804 | 0.40334 | 0.00000 | 602892.1 | 373703.3 | 0.0 | S |
| 69.025 | 0.0000 | 0.0000 | 82.804 | 0.40329 | 0.00000 | 602892.1 | 373715.4 | 0.0 | S |
| 69.033 | 0.0000 | 0.0000 | 82.803 | 0.40324 | 0.00000 | 602892.1 | 373727.5 | 0.0 | S |
| 69.042 | 0.0000 | 0.0000 | 82.803 | 0.40319 | 0.00000 | 602892.1 | 373739.6 | 0.0 | S |
| 69.050 | 0.0000 | 0.0000 | 82.803 | 0.40315 | 0.00000 | 602892.1 | 373751.7 | 0.0 | S |
| 69.058 | 0.0000 | 0.0000 | 82.803 | 0.40310 | 0.00000 | 602892.1 | 373763.8 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (f datum) | Infiltration Rate ( $\mathrm{H}^{2} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{H}^{3}$ ) | Cumulative infilitration Volume $\left(\mathrm{ff}^{3}\right)$ | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 69.067 | 0.0000 | 0.0000 | 82.803 | 0.40305 | 0.00000 | 602892.1 | 373775.9 | 0.0 | S |
| 69.075 | 0.0000 | 0.0000 | 82.802 | 0.40300 | 0.00000 | 602892.1 | 373788.0 | 0.0 | S |
| 69.083 | 0.0000 | 0.0000 | 82.802 | 0.40295 | 0.00000 | 602892.1 | 373800.1 | 0.0 | S |
| 69.092 | 0.0000 | 0.0000 | 82.802 | 0.40290 | 0.00000 | 602892.1 | 373812.2 | 0.0 | S |
| 69.100 | 0.0000 | 0.0000 | 82.802 | 0.40286 | 0.00000 | 602892.1 | 373824.3 | 0.0 | S |
| 69.108 | 0.0000 | 0.0000 | 82.802 | 0.40281 | 0.00000 | 602892.1 | 373836.3 | 0.0 | S |
| 69.117 | 0.0000 | 0.0000 | 82.801 | 0.40276 | 0.00000 | 602892.1 | 373848.4 | 0.0 | S |
| 69.125 | 0.0000 | 0.0000 | 82.801 | 0.40271 | 0.00000 | 602892.1 | 373860.5 | 0.0 | S |
| 69.133 | 0.0000 | 0.0000 | 82.801 | 0.40266 | 0.00000 | 602892.1 | 373872.6 | 0.0 | S |
| 69.142 | 0.0000 | 0.0000 | 82.801 | 0.40261 | 0.00000 | 602892.1 | 373884.7 | 0.0 | S |
| 69.150 | 0.0000 | 0.0000 | 82.801 | 0.40257 | 0.00000 | 602892.1 | 373896.7 | 0.0 | S |
| 69.158 | 0.0000 | 0.0000 | 82.800 | 0.40252 | 0.00000 | 602892.1 | 373908.8 | 0.0 | S |
| 69.167 | 0.0000 | 0.0000 | 82.800 | 0.40247 | 0.00000 | 602892.1 | 373920.9 | 0.0 | S |
| 69.175 | 0.0000 | 0.0000 | 82.800 | 0.40242 | 0.00000 | 602892.1 | 373932.9 | 0.0 | S |
| 69.183 | 0.0000 | 0.0000 | 82.800 | 0.40237 | 0.00000 | 602892.1 | 373945.0 | 0.0 | S |
| 69.192 | 0.0000 | 0.0000 | 82.800 | 0.40233 | 0.00000 | 602892.1 | 373957.1 | 0.0 | S |
| 69.200 | 0.0000 | 0.0000 | 82.799 | 0.40228 | 0.00000 | 602892.1 | 373969.2 | 0.0 | S |
| 69.208 | 0.0000 | 0.0000 | 82.799 | 0.40223 | 0.00000 | 602892.1 | 373981.2 | 0.0 | S |
| 69.217 | 0.0000 | 0.0000 | 82.799 | 0.40218 | 0.00000 | 602892.1 | 373993.3 | 0.0 | S |
| 69.225 | 0.0000 | 0.0000 | 82.799 | 0.40213 | 0.00000 | 602892.1 | 374005.4 | 0.0 | S |
| 69.233 | 0.0000 | 0.0000 | 82.799 | 0.40208 | 0.00000 | 602892.1 | 374017.4 | 0.0 | S |
| 69.242 | 0.0000 | 0.0000 | 82.798 | 0.40204 | 0.00000 | 602892.1 | 374029.5 | 0.0 | S |
| 69.250 | 0.0000 | 0.0000 | 82.798 | 0.40199 | 0.00000 | 602892.1 | 374041.6 | 0.0 | S |
| 69.258 | 0.0000 | 0.0000 | 82.798 | 0.40194 | 0.00000 | 602892.1 | 374053.6 | 0.0 | S |
| 69.267 | 0.0000 | 0.0000 | 82.798 | 0.40189 | 0.00000 | 602892.1 | 374065.7 | 0.0 | S |
| 69.275 | 0.0000 | 0.0000 | 82.798 | 0.40184 | 0.00000 | 602892.1 | 374077.7 | 0.0 | S |
| 69.283 | 0.0000 | 0.0000 | 82.798 | 0.40180 | 0.00000 | 602892.1 | 374089.8 | 0.0 | S |
| 69.292 | 0.0000 | 0.0000 | 82.797 | 0.40175 | 0.00000 | 602892.1 | 374101.8 | 0.0 | S |
| 69.300 | 0.0000 | 0.0000 | 82.797 | 0.40170 | 0.00000 | 602892.1 | 374113.9 | 0.0 | S |
| 69.308 | 0.0000 | 0.0000 | 82.797 | 0.40165 | 0.00000 | 602892.1 | 374125.9 | 0.0 | S |
| 69.317 | 0.0000 | 0.0000 | 82.797 | 0.40160 | 0.00000 | 602892.1 | 374138.0 | 0.0 | S |
| 69.325 | 0.0000 | 0.0000 | 82.797 | 0.40156 | 0.00000 | 602892.1 | 374150.0 | 0.0 | S |
| 69.333 | 0.0000 | 0.0000 | 82.796 | 0.40151 | 0.00000 | 602892.1 | 374162.1 | 0.0 | S |
| 69.342 | 0.0000 | 0.0000 | 82.796 | 0.40146 | 0.00000 | 602892.1 | 374174.1 | 0.0 | S |
| 69.350 | 0.0000 | 0.0000 | 82.796 | 0.40141 | 0.00000 | 602892.1 | 374186.2 | 0.0 | S |
| 69.358 | 0.0000 | 0.0000 | 82.796 | 0.40136 | 0.00000 | 602892.1 | 374198.2 | 0.0 | S |
| 69.367 | 0.0000 | 0.0000 | 82.796 | 0.40132 | 0.00000 | 602892.1 | 374210.3 | 0.0 | S |
| 69.375 | 0.0000 | 0.0000 | 82.795 | 0.40127 | 0.00000 | 602892.1 | 374222.3 | 0.0 | S |
| 69.383 | 0.0000 | 0.0000 | 82.795 | 0.40122 | 0.00000 | 602892.1 | 374234.3 | 0.0 | S |
| 69.392 | 0.0000 | 0.0000 | 82.795 | 0.40117 | 0.00000 | 602892.1 | 374246.3 | 0.0 | S |
| 69.400 | 0.0000 | 0.0000 | 82.795 | 0.40113 | 0.00000 | 602892.1 | 374258.4 | 0.0 | S |
| 69.408 | 0.0000 | 0.0000 | 82.795 | 0.40108 | 0.00000 | 602892.1 | 374270.4 | 0.0 | S |
| 69.417 | 0.0000 | 0.0000 | 82.794 | 0.40103 | 0.00000 | 602892.1 | 374282.4 | 0.0 | S |
| 69.425 | 0.0000 | 0.0000 | 82.794 | 0.40098 | 0.00000 | 602892.1 | 374294.5 | 0.0 | S |
| 69.433 | 0.0000 | 0.0000 | 82.794 | 0.40093 | 0.00000 | 602892.1 | 374306.5 | 0.0 | S |
| 69.442 | 0.0000 | 0.0000 | 82.794 | 0.40089 | 0.00000 | 602892.1 | 374318.5 | 0.0 | S |
| 69.450 | 0.0000 | 0.0000 | 82.794 | 0.40084 | 0.00000 | 602892.1 | 374330.6 | 0.0 | S |
| 69.458 | 0.0000 | 0.0000 | 82.793 | 0.40079 | 0.00000 | 602892.1 | 374342.6 | 0.0 | S |
| 69.467 | 0.0000 | 0.0000 | 82.793 | 0.40074 | 0.00000 | 602892.1 | 374354.6 | 0.0 | S |
| 69.475 | 0.0000 | 0.0000 | 82.793 | 0.40069 | 0.00000 | 602892.1 | 374366.6 | 0.0 | S |
| 69.483 | 0.0000 | 0.0000 | 82.793 | 0.40065 | 0.00000 | 602892.1 | 374378.7 | 0.0 | S |
| 69.492 | 0.0000 | 0.0000 | 82.793 | 0.40060 | 0.00000 | 602892.1 | 374390.7 | 0.0 | S |
| 69.500 | 0.0000 | 0.0000 | 82.793 | 0.40055 | 0.00000 | 602892.1 | 374402.7 | 0.0 | S |
| 69.508 | 0.0000 | 0.0000 | 82.792 | 0.40050 | 0.00000 | 602892.1 | 374414.7 | 0.0 | S |
| 69.517 | 0.0000 | 0.0000 | 82.792 | 0.40046 | 0.00000 | 602892.1 | 374426.7 | 0.0 | S |
| 69.525 | 0.0000 | 0.0000 | 82.792 | 0.40041 | 0.00000 | 602892.1 | 374438.7 | 0.0 | S |
| 69.533 | 0.0000 | 0.0000 | 82.792 | 0.40036 | 0.00000 | 602892.1 | 374450.8 | 0.0 | S |
| 69.542 | 0.0000 | 0.0000 | 82.792 | 0.40031 | 0.00000 | 602892.1 | 374462.8 | 0.0 | S |
| 69.550 | 0.0000 | 0.0000 | 82.791 | 0.40027 | 0.00000 | 602892.1 | 374474.8 | 0.0 | S |
| 69.558 | 0.0000 | 0.0000 | 82.791 | 0.40022 | 0.00000 | 602892.1 | 374486.8 | 0.0 | S |
| 69.567 | 0.0000 | 0.0000 | 82.791 | 0.40017 | 0.00000 | 602892.1 | 374498.8 | 0.0 | S |
| 69.575 | 0.0000 | 0.0000 | 82.791 | 0.40012 | 0.00000 | 602892.1 | 374510.8 | 0.0 | S |
| 69.583 | 0.0000 | 0.0000 | 82.791 | 0.40007 | 0.00000 | 602892.1 | 374522.8 | 0.0 | S |
| 69.592 | 0.0000 | 0.0000 | 82.790 | 0.40003 | 0.00000 | 602892.1 | 374534.8 | 0.0 | S |
| 69.600 | 0.0000 | 0.0000 | 82.790 | 0.39998 | 0.00000 | 602892.1 | 374546.8 | 0.0 | S |
| 69.608 | 0.0000 | 0.0000 | 82.790 | 0.39993 | 0.00000 | 602892.1 | 374558.8 | 0.0 | S |
| 69.617 | 0.0000 | 0.0000 | 82.790 | 0.39988 | 0.00000 | 602892.1 | 374570.8 | 0.0 | S |
| 69.625 | 0.0000 | 0.0000 | 82.790 | 0.39984 | 0.00000 | 602892.1 | 374582.8 | 0.0 | S |
| 69.633 | 0,0000 | 0.0000 | 82.789 | 0.39979 | 0.00000 | 602892.1 | 374594.8 | 0.0 | S |
| 69.642 | 0.0000 | 0.0000 | 82.789 | 0.39974 | 0.00000 | 602892.1 | 374606.8 | 0.0 | S |
| 69.650 | 0.0000 | 0.0000 | 82.789 | 0.39969 | 0.00000 | 602892.1 | 374618.8 | 0.0 | S |
| 69.658 | 0.0000 | 0.0000 | 82.789 | 0.39965 | 0.00000 | 602892.1 | 374630.8 | 0.0 | S |
| 69.667 | 0.0000 | 0.0000 | 82.789 | 0.39960 | 0.00000 | 602892.1 | 374642.8 | 0.0 | S |
| 69.675 | 0.0000 | 0.0000 | 82.788 | 0.39955 | 0.00000 | 602892.1 | 374654.7 | 0.0 | S |

PONDS Version 3.2.0207

# Retention Pond Recovery - Refined Method <br> Copyright 2003 

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed <br> Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate (ft ${ }^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 69.683 | 0.0000 | 0.0000 | 82.788 | 0.39950 | 0.00000 | 602892.1 | 374666.7 | 0.0 | S |
| 69.692 | 0.0000 | 0.0000 | 82.788 | 0.39946 | 0.00000 | 602892.1 | 374678.7 | 0.0 | S |
| 69.700 | 0.0000 | 0.0000 | 82.788 | 0.39941 | 0.00000 | 602892.1 | 374690.7 | 0.0 | S |
| 69.708 | 0.0000 | 0.0000 | 82.788 | 0.39936 | 0.00000 | 602892.1 | 374702.7 | 0.0 | S |
| 69.717 | 0.0000 | 0.0000 | 82.787 | 0.39931 | 0.00000 | 602892.1 | 374714.6 | 0.0 | S |
| 69.725 | 0.0000 | 0.0000 | 82.787 | 0.39927 | 0.00000 | 602892.1 | 374726.6 | 0.0 | S |
| 69.733 | 0.0000 | 0.0000 | 82.787 | 0.39922 | 0.00000 | 602892.1 | 374738.6 | 0.0 | S |
| 69.742 | 0.0000 | 0.0000 | 82.787 | 0.39917 | 0.00000 | 602892.1 | 374750.6 | 0.0 | S |
| 69.750 | 0.0000 | 0.0000 | 82.787 | 0.39913 | 0.00000 | 602892.1 | 374762.5 | 0.0 | S |
| 69.758 | 0.0000 | 0.0000 | 82.787 | 0.39908 | 0.00000 | 602892.1 | 374774.5 | 0.0 | S |
| 69.767 | 0.0000 | 0.0000 | 82.786 | 0.39903 | 0.00000 | 602892.1 | 374786.5 | 0.0 | S |
| 69.775 | 0.0000 | 0.0000 | 82.786 | 0.39898 | 0.00000 | 602892.1 | 374798.5 | 0.0 | S |
| 69.783 | 0.0000 | 0.0000 | 82.786 | 0.39894 | 0.00000 | 602892.1 | 374810.4 | 0.0 | S |
| 69.792 | 0.0000 | 0.0000 | 82.786 | 0.39889 | 0.00000 | 602892.1 | 374822.4 | 0.0 | S |
| 69.800 | 0.0000 | 0.0000 | 82.786 | 0.39884 | 0.00000 | 602892.1 | 374834.4 | 0.0 | S |
| 69.808 | 0.0000 | 0.0000 | 82.785 | 0.39879 | 0.00000 | 602892.1 | 374846.3 | 0.0 | S |
| 69.817 | 0.0000 | 0.0000 | 82.785 | 0.39875 | 0.00000 | 602892.1 | 374858.3 | 0.0 | S |
| 69.825 | 0.0000 | 0.0000 | 82.785 | 0.39870 | 0.00000 | 602892.1 | 374870.3 | 0.0 | S |
| 69.833 | 0.0000 | 0.0000 | 82.785 | 0.39865 | 0.00000 | 602892.1 | 374882.2 | 0.0 | S |
| 69.842 | 0.0000 | 0.0000 | 82.785 | 0.39860 | 0.00000 | 602892.1 | 374894.2 | 0.0 | S |
| 69.850 | 0.0000 | 0.0000 | 82.784 | 0.39856 | 0.00000 | 602892.1 | 374906.1 | 0.0 | S |
| 69.858 | 0.0000 | 0.0000 | 82.784 | 0.39851 | 0.00000 | 602892.1 | 374918.1 | 0.0 | S |
| 69.867 | 0.0000 | 0.0000 | 82.784 | 0.39846 | 0.00000 | 602892.1 | 374930.0 | 0.0 | S |
| 69.875 | 0.0000 | 0.0000 | 82.784 | 0.39842 | 0.00000 | 602892.1 | 374942.0 | 0.0 | S |
| 69.883 | 0.0000 | 0.0000 | 82.784 | 0.39837 | 0.00000 | 602892.1 | 374953.9 | 0.0 | S |
| 69.892 | 0.0000 | 0.0000 | 82.783 | 0.39832 | 0.00000 | 602892.1 | 374965.9 | 0.0 | S |
| 69.900 | 0.0000 | 0.0000 | 82.783 | 0.39827 | 0.00000 | 602892.1 | 374977.8 | 0.0 | S |
| 69.908 | 0.0000 | 0.0000 | 82.783 | 0.39823 | 0.00000 | 602892.1 | 374989.8 | 0.0 | S |
| 69.917 | 0.0000 | 0.0000 | 82.783 | 0.39818 | 0.00000 | 602892.1 | 375001.8 | 0.0 | S |
| 69.925 | 0.0000 | 0.0000 | 82.783 | 0.39813 | 0.00000 | 602892.1 | 375013.7 | 0.0 | S |
| 69.933 | 0.0000 | 0.0000 | 82.782 | 0.39809 | 0.00000 | 602892.1 | 375025.6 | 0.0 | S |
| 69.942 | 0.0000 | 0.0000 | 82.782 | 0.39804 | 0.00000 | 602892.1 | 375037.6 | 0.0 | S |
| 69.950 | 0.0000 | 0.0000 | 82.782 | 0.39799 | 0.00000 | 602892.1 | 375049.5 | 0.0 | S |
| 69.958 | 0.0000 | 0.0000 | 82.782 | 0.39794 | 0.00000 | 602892.1 | 375061.4 | 0.0 | S |
| 69.967 | 0.0000 | 0.0000 | 82.782 | 0.39790 | 0.00000 | 602892.1 | 375073.4 | 0.0 | S |
| 69.975 | 0.0000 | 0.0000 | 82.782 | 0.39785 | 0.00000 | 602892.1 | 375085.3 | 0.0 | S |
| 69.983 | 0.0000 | 0.0000 | 82.781 | 0.39780 | 0.00000 | 602892.1 | 375097.3 | 0.0 | S |
| 69.992 | 0.0000 | 0.0000 | 82.781 | 0.39776 | 0.00000 | 602892.1 | 375109.2 | 0.0 | S |
| 70.000 | 0.0000 | 0.0000 | 82.781 | 0.39771 | 0.00000 | 602892.1 | 375121.1 | 0.0 | S |
| 70.008 | 0.0000 | 0.0000 | 82.781 | 0.39766 | 0.00000 | 602892.1 | 375133.1 | 0.0 | S |
| 70.017 | 0.0000 | 0.0000 | 82.781 | 0.39762 | 0.00000 | 602892.1 | 375145.0 | 0.0 | S |
| 70.025 | 0.0000 | 0.0000 | 82.780 | 0.39757 | 0.00000 | 602892.1 | 375156.9 | 0.0 | S |
| 70.033 | 0.0000 | 0.0000 | 82.780 | 0.39752 | 0.00000 | 602892.1 | 375168.8 | 0.0 | S |
| 70.042 | 0.0000 | 0.0000 | 82.780 | 0.39747 | 0.00000 | 602892.1 | 375180.8 | 0.0 | S |
| 70.050 | 0.0000 | 0.0000 | 82.780 | 0.39743 | 0.00000 | 602892.1 | 375192.7 | 0.0 | S |
| 70.058 | 0.0000 | 0.0000 | 82.780 | 0.39738 | 0.00000 | 602892.1 | 375204.6 | 0.0 | S |
| 70.067 | 0.0000 | 0.0000 | 82.779 | 0.39733 | 0.00000 | 602892.1 | 375216.5 | 0.0 | S |
| 70.075 | 0.0000 | 0.0000 | 82.779 | 0.39729 | 0.00000 | 602892.1 | 375228.4 | 0.0 | S |
| 70.083 | 0.0000 | 0.0000 | 82.779 | 0.39724 | 0.00000 | 602892.1 | 375240.4 | 0.0 | S |
| 70.092 | 0.0000 | 0.0000 | 82.779 | 0.39719 | 0.00000 | 602892.1 | 375252.3 | 0.0 | S |
| 70.100 | 0.0000 | 0.0000 | 82.779 | 0.39715 | 0.00000 | 602892.1 | 375264.2 | 0.0 | S |
| 70.108 | 0.0000 | 0.0000 | 82.778 | 0.39710 | 0.00000 | 602892.1 | 375276.1 | 0.0 | S |
| 70.117 | 0.0000 | 0.0000 | 82.778 | 0.39705 | 0.00000 | 602892.1 | 375288.0 | 0.0 | S |
| 70.125 | 0.0000 | 0.0000 | 82.778 | 0.39701 | 0.00000 | 602892.1 | 375299.9 | 0.0 | S |
| 70.133 | 0.0000 | 0.0000 | 82.778 | 0.39696 | 0.00000 | 602892.1 | 375311.8 | 0.0 | S |
| 70.142 | 0.0000 | 0.0000 | 82.778 | 0.39691 | 0.00000 | 602892.1 | 375323.8 | 0.0 | S |
| 70.150 | 0.0000 | 0.0000 | 82.778 | 0.39686 | 0.00000 | 602892.1 | 375335.7 | 0.0 | S |
| 70.158 | 0.0000 | 0.0000 | 82.777 | 0.39682 | 0.00000 | 602892.1 | 375347.6 | 0.0 | S |
| 70.167 | 0.0000 | 0.0000 | 82.777 | 0.39677 | 0.00000 | 602892.1 | 375359.5 | 0.0 | S |
| 70.175 | 0.0000 | 0.0000 | 82.777 | 0.39672 | 0.00000 | 602892.1 | 375371.4 | 0.0 | S |
| 70.183 | 0.0000 | 0.0000 | 82.777 | 0.39668 | 0.00000 | 602892.1 | 375383.3 | 0.0 | S |
| 70.192 | 0.0000 | 0.0000 | 82.777 | 0.39663 | 0.00000 | 602892.1 | 375395.2 | 0.0 | S |
| 70.200 | 0.0000 | 0,0000 | 82.776 | 0.39658 | 0.00000 | 602892.1 | 375407.1 | 0.0 | S |
| 70.208 | 0.0000 | 0.0000 | 82.776 | 0.39654 | 0.00000 | 602892.1 | 375419.0 | 0.0 | S |
| 70.217 | 0.0000 | 0.0000 | 82.776 | 0.39649 | 0.00000 | 602892.1 | 375430.8 | 0.0 | S |
| 70.225 | 0.0000 | 0.0000 | 82.776 | 0.39644 | 0.00000 | 602892.1 | 375442.8 | 0.0 | S |
| 70.233 | 0.0000 | 0.0000 | 82.776 | 0.39640 | 0.00000 | 602892.1 | 375454.7 | 0.0 | S |
| 70.242 | 0.0000 | 0.0000 | 82.775 | 0.39635 | 0.00000 | 602892.1 | 375466.5 | 0.0 | S |
| 70.250 | 0.0000 | 0.0000 | 82.775 | 0.39630 | 0.00000 | 602892.1 | 375478.4 | 0.0 | S |
| 70.258 | 0.0000 | 0.0000 | 82.775 | 0.39626 | 0.00000 | 602892.1 | 375490.3 | 0.0 | S |
| 70.267 | 0.0000 | 0.0000 | 82.775 | 0.39621 | 0.00000 | 602892.1 | 375502.2 | 0.0 | S |
| 70.275 | 0.0000 | 0.0000 | 82.775 | 0.39616 | 0.00000 | 602892.1 | 375514.1 | 0.0 | S |
| 70.283 | 0.0000 | 0.0000 | 82.774 | 0.39612 | 0.00000 | 602892.1 | 375526.0 | 0.0 | S |
| 70.292 | 0.0000 | 0.0000 | 82.774 | 0.39607 | 0.00000 | 602892.1 | 375537.8 | 0.0 | S |

PONDS Version 3.2.0207

# Retention Pond Recovery - Refined Method Copyright 2003 

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario $1::$ pond 9100 year/24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (f $f /$ day) | Stage Elevation (ft datum) | Infilitration Rate (ft ${ }^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Intilitration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 70.300 | 0.0000 | 0.0000 | 82.774 | 0.39602 | 0.00000 | 602892.1 | 375549.7 | 0.0 | S |
| 70.308 | 0.0000 | 0.0000 | 82.774 | 0.39598 | 0.00000 | 602892.1 | 375561.6 | 0.0 | S |
| 70.317 | 0.0000 | 0.0000 | 82.774 | 0.39593 | 0.00000 | 602892.1 | 375573.5 | 0.0 | S |
| 70.325 | 0.0000 | 0.0000 | 82.774 | 0.39588 | 0.00000 | 602892.1 | 375585.4 | 0.0 | S |
| 70.333 | 0.0000 | 0.0000 | 82.773 | 0.39584 | 0.00000 | 602892.1 | 375597.3 | 0.0 | S |
| 70.342 | 0.0000 | 0.0000 | 82.773 | 0.39579 | 0.00000 | 602892.1 | 375609.1 | 0.0 | S |
| 70.350 | 0.0000 | 0.0000 | 82.773 | 0.39574 | 0.00000 | 602892.1 | 375621.0 | 0.0 | S |
| 70.358 | 0.0000 | 0.0000 | 82.773 | 0.39570 | 0.00000 | 602892.1 | 375632.9 | 0.0 | S |
| 70.367 | 0.0000 | 0.0000 | 82.773 | 0.39565 | 0.00000 | 602892.1 | 375644.7 | 0.0 | S |
| 70.375 | 0.0000 | 0.0000 | 82.772 | 0.39561 | 0.00000 | 602892.1 | 375656.6 | 0.0 | S |
| 70.383 | 0.0000 | 0.0000 | 82.772 | 0.39556 | 0.00000 | 602892.1 | 375668.5 | 0.0 | S |
| 70.392 | 0.0000 | 0.0000 | 82.772 | 0.39551 | 0.00000 | 602892.1 | 375680.3 | 0.0 | S |
| 70.400 | 0.0000 | 0.0000 | 82.772 | 0.39547 | 0.00000 | 602892.1 | 375692.2 | 0.0 | S |
| 70.408 | 0.0000 | 0.0000 | 82.772 | 0.39542 | 0.00000 | 602892.1 | 375704.1 | 0.0 | S |
| 70.417 | 0.0000 | 0.0000 | 82.771 | 0.39537 | 0.00000 | 602892.1 | 375715.9 | 0.0 | S |
| 70.425 | 0.0000 | 0.0000 | 82.771 | 0.39533 | 0.00000 | 602892.1 | 375727.8 | 0.0 | S |
| 70.433 | 0.0000 | 0.0000 | 82.771 | 0.39528 | 0.00000 | 602892.1 | 375739.7 | 0.0 | S |
| 70.442 | 0.0000 | 0.0000 | 82.771 | 0.39523 | 0.00000 | 602892.1 | 375751.5 | 0.0 | S |
| 70.450 | 0.0000 | 0.0000 | 82.771 | 0.39519 | 0.00000 | 602892.1 | 375763.4 | 0.0 | S |
| 70.458 | 0.0000 | 0.0000 | 82.770 | 0.39514 | 0.00000 | 602892.1 | 375775.2 | 0.0 | S |
| 70.467 | 0.0000 | 0.0000 | 82.770 | 0.39509 | 0.00000 | 602892.1 | 375787.1 | 0.0 | S |
| 70.475 | 0.0000 | 0.0000 | 82.770 | 0.39505 | 0.00000 | 602892.1 | 375798.9 | 0.0 | S |
| 70.483 | 0.0000 | 0.0000 | 82.770 | 0.39500 | 0.00000 | 602892.1 | 375810.8 | 0.0 | S |
| 70.492 | 0.0000 | 0.0000 | 82.770 | 0.39496 | 0.00000 | 602892.1 | 375822.6 | 0.0 | S |
| 70.500 | 0.0000 | 0.0000 | 82.769 | 0.39491 | 0.00000 | 602892.1 | 375834.5 | 0.0 | S |
| 70.508 | 0.0000 | 0.0000 | 82.769 | 0.39486 | 0.00000 | 602892.1 | 375846.3 | 0.0 | S |
| 70.517 | 0.0000 | 0.0000 | 82.769 | 0.39482 | 0.00000 | 602892.1 | 375858.2 | 0.0 | S |
| 70.525 | 0.0000 | 0.0000 | 82.769 | 0.39477 | 0.00000 | 602892.1 | 375870.0 | 0.0 | S |
| 70.533 | 0.0000 | 0.0000 | 82.769 | 0.39472 | 0.00000 | 602892.1 | 375881.8 | 0.0 | S |
| 70.542 | 0.0000 | 0.0000 | 82.769 | 0.39468 | 0.00000 | 602892.1 | 375893.7 | 0.0 | S |
| 70.550 | 0.0000 | 0.0000 | 82.768 | 0.39463 | 0.00000 | 602892.1 | 375905.5 | 0.0 | S |
| 70.558 | 0.0000 | 0.0000 | 82.768 | 0.39458 | 0.00000 | 602892.1 | 375917.4 | 0.0 | S |
| 70.567 | 0.0000 | 0.0000 | 82.768 | 0.39454 | 0.00000 | 602892.1 | 375929.2 | 0.0 | S |
| 70.575 | 0.0000 | 0.0000 | 82.768 | 0.39449 | 0.00000 | 602892.1 | 375941.0 | 0.0 | S |
| 70.583 | 0.0000 | 0.0000 | 82.768 | 0.39445 | 0.00000 | 602892.1 | 375952.9 | 0.0 | S |
| 70.592 | 0.0000 | 0.0000 | 82.767 | 0.39440 | 0.00000 | 602892.1 | 375964.7 | 0.0 | S |
| 70.600 | 0.0000 | 0.0000 | 82.767 | 0.39435 | 0.00000 | 602892.1 | 375976.5 | 0.0 | S |
| 70.608 | 0.0000 | 0.0000 | 82.767 | 0.39431 | 0.00000 | 602892.1 | 375988.4 | 0.0 | S |
| 70.617 | 0.0000 | 0.0000 | 82.767 | 0.39426 | 0.00000 | 602892.1 | 376000.2 | 0.0 | S |
| 70.625 | 0.0000 | 0.0000 | 82.767 | 0.39422 | 0.00000 | 602892.1 | 376012.0 | 0.0 | S |
| 70.633 | 0.0000 | 0.0000 | 82.766 | 0.39417 | 0.00000 | 602892.1 | 376023.8 | 0.0 | S |
| 70.642 | 0.0000 | 0.0000 | 82.766 | 0.39412 | 0.00000 | 602892.1 | 376035.7 | 0.0 | S |
| 70.650 | 0.0000 | 0.0000 | 82.766 | 0.39408 | 0.00000 | 602892.1 | 376047.5 | 0.0 | S |
| 70.658 | 0.0000 | 0.0000 | 82.766 | 0.39403 | 0.00000 | 602892.1 | 376059.3 | 0.0 | S |
| 70.667 | 0.0000 | 0.0000 | 82.766 | 0.39398 | 0.00000 | 602892.1 | 376071.1 | 0.0 | S |
| 70.675 | 0.0000 | 0.0000 | 82.766 | 0.39394 | 0.00000 | 602892.1 | 376083.0 | 0.0 | S |
| 70.683 | 0.0000 | 0.0000 | 82.765 | 0.39389 | 0.00000 | 602892.1 | 376094.8 | 0.0 | S |
| 70.692 | 0.0000 | 0.0000 | 82.765 | 0.39385 | 0.00000 | 602892.1 | 376106.6 | 0.0 | S |
| 70.700 | 0.0000 | 0.0000 | 82.765 | 0.39380 | 0.00000 | 602892.1 | 376118.4 | 0.0 | S |
| 70.708 | 0.0000 | 0.0000 | 82.765 | 0.39375 | 0.00000 | 602892.1 | 376130.2 | 0.0 | S |
| 70.717 | 0.0000 | 0.0000 | 82.765 | 0.39371 | 0.00000 | 602892.1 | 376142.0 | 0.0 | S |
| 70.725 | 0.0000 | 0.0000 | 82.764 | 0.39366 | 0.00000 | 602892.1 | 376153.8 | 0.0 | S |
| 70.733 | 0.0000 | 0.0000 | 82.764 | 0.39362 | 0.00000 | 602892.1 | 376165.7 | 0.0 | S |
| 70.742 | 0.0000 | 0.0000 | 82.764 | 0.39357 | 0.00000 | 602892.1 | 376177.5 | 0.0 | S |
| 70.750 | 0.0000 | 0.0000 | 82.764 | 0.39352 | 0.00000 | 602892.1 | 376189.3 | 0.0 | S |
| 70.758 | 0.0000 | 0.0000 | 82.764 | 0.39348 | 0.00000 | 602892.1 | 376201.1 | 0.0 | S |
| 70.767 | 0.0000 | 0.0000 | 82.763 | 0.39343 | 0.00000 | 602892.1 | 376212.9 | 0.0 | S |
| 70.775 | 0.0000 | 0.0000 | 82.763 | 0.39339 | 0.00000 | 602892.1 | 376224.7 | 0.0 | S |
| 70.783 | 0.0000 | 0.0000 | 82.763 | 0.39334 | 0.00000 | 602892.1 | 376236.5 | 0.0 | S |
| 70.792 | 0.0000 | 0.0000 | 82.763 | 0.39329 | 0.00000 | 602892.1 | 376248.3 | 0.0 | S |
| 70.800 | 0.0000 | 0.0000 | 82.763 | 0.39325 | 0.00000 | 602892.1 | 376260.1 | 0.0 | S |
| 70.808 | 0.0000 | 0.0000 | 82.762 | 0.39320 | 0.00000 | 602892.1 | 376271.9 | 0.0 | S |
| 70.817 | 0.0000 | 0.0000 | 82.762 | 0.39316 | 0.00000 | 602892.1 | 376283.7 | 0.0 | S |
| 70.825 | 0.0000 | 0.0000 | 82.762 | 0.39311 | 0.00000 | 602892.1 | 376295.5 | 0.0 | S |
| 70.833 | 0.0000 | 0.0000 | 82.762 | 0.39306 | 0.00000 | 602892.1 | 376307.3 | 0.0 | S |
| 70.842 | 0.0000 | 0.0000 | 82.762 | 0.39302 | 0.00000 | 602892.1 | 376319.0 | 0.0 | S |
| 70.850 | 0.0000 | 0.0000 | 82.762 | 0.39297 | 0.00000 | 602892.1 | 376330.8 | 0.0 | S |
| 70.858 | 0.0000 | 0.0000 | 82.761 | 0.39293 | 0.00000 | 602892.1 | 376342.6 | 0.0 | S |
| 70.867 | 0.0000 | 0.0000 | 82.761 | 0.39288 | 0.00000 | 602892.1 | 376354.4 | 0.0 | S |
| 70.875 | 0.0000 | 0.0000 | 82.761 | 0.39284 | 0.00000 | 602892.1 | 376366.2 | 0.0 | S |
| 70.883 | 0.0000 | 0.0000 | 82.761 | 0.39279 | 0.00000 | 602892.1 | 376378.0 | 0.0 | S |
| 70.892 | 0.0000 | 0.0000 | 82.761 | 0.39274 | 0.00000 | 602892.1 | 376389.8 | 0.0 | S |
| 70.900 | 0.0000 | 0.0000 | 82.760 | 0.39270 | 0.00000 | 602892.1 | 376401.5 | 0.0 | S |
| 70.908 | 0.0000 | 0.0000 | 82.760 | 0.39265 | 0.00000 | 602892.1 | 376413.3 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate <br> ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate (f $\mathrm{f}^{3 / s}$ ) | Overlow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{H}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 70.917 | 0.0000 | 0.0000 | 82.760 | 0.39261 | 0.00000 | 602892.1 | 376425.1 | 0.0 | S |
| 70.925 | 0.0000 | 0.0000 | 82.760 | 0.39256 | 0.00000 | 602892.1 | 376436.9 | 0.0 | S |
| 70.933 | 0.0000 | 0.0000 | 82.760 | 0.39251 | 0.00000 | 602892.1 | 376448.7 | 0.0 | S |
| 70.942 | 0.0000 | 0.0000 | 82.759 | 0.39247 | 0.00000 | 602892.1 | 376460.4 | 0.0 | S |
| 70.950 | 0.0000 | 0.0000 | 82.759 | 0.39242 | 0.00000 | 602892.1 | 376472.2 | 0.0 | S |
| 70.958 | 0.0000 | 0.0000 | 82.759 | 0.39238 | 0.00000 | 602892.1 | 376484.0 | 0.0 | S |
| 70.967 | 0.0000 | 0.0000 | 82.759 | 0.39233 | 0.00000 | 602892.1 | 376495.8 | 0.0 | S |
| 70.975 | 0.0000 | 0.0000 | 82.759 | 0.39229 | 0.00000 | 602892.1 | 376507.5 | 0.0 | S |
| 70.983 | 0.0000 | 0.0000 | 82.758 | 0.39224 | 0.00000 | 602892.1 | 376519.3 | 0.0 | S |
| 70.992 | 0.0000 | 0.0000 | 82.758 | 0.39219 | 0.00000 | 602892.1 | 376531.1 | 0.0 | S |
| 71.000 | 0.0000 | 0.0000 | 82.758 | 0.39215 | 0.00000 | 602892.1 | 376542.8 | 0.0 | S |
| 71.008 | 0.0000 | 0.0000 | 82.758 | 0.39210 | 0.00000 | 602892.1 | 376554.6 | 0.0 | S |
| 71.017 | 0.0000 | 0.0000 | 82.758 | 0.39206 | 0.00000 | 602892.1 | 376566.3 | 0.0 | S |
| 71.025 | 0.0000 | 0.0000 | 82.758 | 0.39201 | 0.00000 | 602892.1 | 376578.1 | 0.0 | S |
| 71.033 | 0.0000 | 0.0000 | 82.757 | 0.39197 | 0.00000 | 602892.1 | 376589.9 | 0.0 | S |
| 71.042 | 0.0000 | 0.0000 | 82.757 | 0.39192 | 0.00000 | 602892.1 | 376601.6 | 0.0 | S |
| 71.050 | 0.0000 | 0.0000 | 82.757 | 0.39188 | 0.00000 | 602892.1 | 376613.4 | 0.0 | S |
| 71.058 | 0.0000 | 0.0000 | 82.757 | 0.39183 | 0.00000 | 602892.1 | 376625.1 | 0.0 | S |
| 71.067 | 0.0000 | 0.0000 | 82.757 | 0.39178 | 0.00000 | 602892.1 | 376636.9 | 0.0 | S |
| 71.075 | 0.0000 | 0.0000 | 82.756 | 0.39174 | 0.00000 | 602892.1 | 376648.6 | 0.0 | S |
| 71.083 | 0.0000 | 0.0000 | 82.756 | 0.39169 | 0.00000 | 602892.1 | 376660.4 | 0.0 | S |
| 71.092 | 0.0000 | 0.0000 | 82.756 | 0.39165 | 0.00000 | 602892.1 | 376672.2 | 0.0 | S |
| 71.100 | 0.0000 | 0.0000 | 82.756 | 0.39160 | 0.00000 | 602892.1 | 376683.9 | 0.0 | S |
| 71.108 | 0.0000 | 0.0000 | 82.756 | 0.39156 | 0.00000 | 602892.1 | 376695.6 | 0.0 | S |
| 71.117 | 0.0000 | 0.0000 | 82.755 | 0.39151 | 0.00000 | 602892.1 | 376707.4 | 0.0 | S |
| 71.125 | 0.0000 | 0.0000 | 82.755 | 0.39147 | 0.00000 | 602892.1 | 376719.1 | 0.0 | S |
| 71.133 | 0.0000 | 0.0000 | 82.755 | 0.39142 | 0.00000 | 602892.1 | 376730.9 | 0.0 | S |
| 71.142 | 0.0000 | 0.0000 | 82.755 | 0.39137 | 0.00000 | 602892.1 | 376742.6 | 0.0 | S |
| 71.150 | 0.0000 | 0.0000 | 82.755 | 0.39133 | 0.00000 | 602892.1 | 376754.3 | 0.0 | S |
| 71.158 | 0.0000 | 0.0000 | 82.754 | 0.39128 | 0.00000 | 602892.1 | 376766.1 | 0.0 | S |
| 71.167 | 0.0000 | 0.0000 | 82.754 | 0.39124 | 0.00000 | 602892.1 | 376777.8 | 0.0 | S |
| 71.175 | 0.0000 | 0.0000 | 82.754 | 0.39119 | 0.00000 | 602892.1 | 376789.6 | 0.0 | S |
| 71.183 | 0.0000 | 0.0000 | 82.754 | 0.39115 | 0.00000 | 602892.1 | 376801.3 | 0.0 | S |
| 71.192 | 0.0000 | 0.0000 | 82.754 | 0.39110 | 0.00000 | 602892.1 | 376813.0 | 0.0 | S |
| 71.200 | 0.0000 | 0.0000 | 82.754 | 0.39106 | 0.00000 | 602892.1 | 376824.8 | 0.0 | S |
| 71.208 | 0.0000 | 0.0000 | 82.753 | 0.39101 | 0.00000 | 602892.1 | 376836.5 | 0.0 | S |
| 71.217 | 0.0000 | 0.0000 | 82.753 | 0.39097 | 0.00000 | 602892.1 | 376848.2 | 0.0 | S |
| 71.225 | 0.0000 | 0.0000 | 82.753 | 0.39092 | 0.00000 | 602892.1 | 376860.0 | 0.0 | S |
| 71.233 | 0.0000 | 0.0000 | 82.753 | 0.39087 | 0.00000 | 602892.1 | 376871.7 | 0.0 | S |
| 71.242 | 0.0000 | 0.0000 | 82.753 | 0.39083 | 0.00000 | 602892.1 | 376883.4 | 0.0 | S |
| 71.250 | 0.0000 | 0.0000 | 82.752 | 0.39078 | 0.00000 | 602892.1 | 376895.1 | 0.0 | S |
| 71.258 | 0.0000 | 0.0000 | 82.752 | 0.39074 | 0.00000 | 602892.1 | 376906.8 | 0.0 | S |
| 71.267 | 0.0000 | 0.0000 | 82.752 | 0.39069 | 0.00000 | 602892.1 | 376918.6 | 0.0 | S |
| 71.275 | 0.0000 | 0.0000 | 82.752 | 0.39065 | 0.00000 | 602892.1 | 376930.3 | 0.0 | S |
| 71.283 | 0.0000 | 0.0000 | 82.752 | 0.39060 | 0.00000 | 602892.1 | 376942.0 | 0.0 | S |
| 71.292 | 0.0000 | 0.0000 | 82.751 | 0.39056 | 0.00000 | 602892.1 | 376953.7 | 0.0 | S |
| 71.300 | 0.0000 | 0.0000 | 82.751 | 0.39051 | 0.00000 | 602892.1 | 376965.4 | 0.0 | S |
| 71.308 | 0.0000 | 0.0000 | 82.751 | 0.39047 | 0.00000 | 602892.1 | 376977.2 | 0.0 | S |
| 71.317 | 0.0000 | 0.0000 | 82.751 | 0.39042 | 0.00000 | 602892.1 | 376988.9 | 0.0 | S |
| 71.325 | 0.0000 | 0.0000 | 82.751 | 0.39038 | 0.00000 | 602892.1 | 377000.6 | 0.0 | S |
| 71.333 | 0.0000 | 0.0000 | 82.751 | 0.39033 | 0.00000 | 602892.1 | 377012.3 | 0.0 | S |
| 71.342 | 0.0000 | 0.0000 | 82.750 | 0.39029 | 0.00000 | 602892.1 | 377024.0 | 0.0 | S |
| 71.350 | 0.0000 | 0.0000 | 82.750 | 0.39024 | 0.00000 | 602892.1 | 377035.7 | 0.0 | S |
| 71.358 | 0.0000 | 0.0000 | 82.750 | 0.39020 | 0.00000 | 602892.1 | 377047.4 | 0.0 | S |
| 71.367 | 0.0000 | 0.0000 | 82.750 | 0.39015 | 0.00000 | 602892.1 | 377059.1 | 0.0 | S |
| 71.375 | 0.0000 | 0.0000 | 82.750 | 0.39011 | 0.00000 | 602892.1 | 377070.8 | 0.0 | S |
| 71.383 | 0.0000 | 0.0000 | 82.749 | 0.39006 | 0.00000 | 602892.1 | 377082.5 | 0.0 | S |
| 71.392 | 0.0000 | 0.0000 | 82.749 | 0.39002 | 0.00000 | 602892.1 | 377094.3 | 0.0 | S |
| 71.400 | 0.0000 | 0.0000 | 82.749 | 0.38997 | 0.00000 | 602892.1 | 377105.9 | 0.0 | S |
| 71.408 | 0.0000 | 0.0000 | 82.749 | 0.38992 | 0.00000 | 602892.1 | 377117.6 | 0.0 | S |
| 71.417 | 0.0000 | 0.0000 | 82.749 | 0.38988 | 0.00000 | 602892.1 | 377129.3 | 0.0 | S |
| 71.425 | 0.0000 | 0.0000 | 82.748 | 0.38983 | 0.00000 | 602892.1 | 377141.0 | 0.0 | S |
| 71.433 | 0.0000 | 0.0000 | 82.748 | 0.38979 | 0.00000 | 602892.1 | 377152.7 | 0.0 | S |
| 71.442 | 0.0000 | 0.0000 | 82.748 | 0.38974 | 0.00000 | 602892.1 | 377164.4 | 0.0 | S |
| 74.450 | 0.0000 | 0.0000 | 82.748 | 0.38970 | 0.00000 | 602892.1 | 377176.1 | 0.0 | S |
| 71.458 | 0.0000 | 0.0000 | 82.748 | 0.38965 | 0.00000 | 602892.1 | 377187.8 | 0.0 | S |
| 71.467 | 0.0000 | 0.0000 | 82.748 | 0.38961 | 0.00000 | 602892.1 | 377199.5 | 0.0 | S |
| 71.475 | 0.0000 | 0.0000 | 82.747 | 0.38956 | 0.00000 | 602892.1 | 377211.2 | 0.0 | S |
| 71.483 | 0.0000 | 0.0000 | 82.747 | 0.38952 | 0.00000 | 602892.1 | 377222.9 | 0.0 | S |
| 71.492 | 0.0000 | 0.0000 | 82.747 | 0.38947 | 0.00000 | 602892.1 | 377234.5 | 0.0 | S |
| 71.500 | 0.0000 | 0.0000 | 82.747 | 0.38943 | 0.00000 | 602892.1 | 377246.2 | 0.0 | S |
| 71.508 | 0.0000 | 0.0000 | 82.747 | 0.38938 | 0.00000 | 602892.1 | 377257.9 | 0.0 | S |
| 71.517 | 0.0000 | 0.0000 | 82.746 | 0.38934 | 0.00000 | 602892.1 | 377269.6 | 0.0 | S |
| 71.525 | 0.0000 | 0.0000 | 82.746 | 0.38929 | 0.00000 | 602892.1 | 377281.3 | 0.0 | S |

PONDS Version 3.2.0207

# Retention Pond Recovery - Refined Method Copyright 2003 

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario $1::$ pond 9100 year $/ 24$ hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (H datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{H}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{t}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 71.533 | 0.0000 | 0.0000 | 82.746 | 0.38925 | 0.00000 | 602892.1 | 377292.9 | 0.0 | S |
| 71.542 | 0.0000 | 0.0000 | 82.746 | 0.38920 | 0.00000 | 602892.1 | 377304.6 | 0.0 | S |
| 71.550 | 0.0000 | 0.0000 | 82.746 | 0.38916 | 0.00000 | 602892.1 | 377316.3 | 0.0 | S |
| 71.558 | 0.0000 | 0.0000 | 82.745 | 0.38911 | 0.00000 | 602892.1 | 377328.0 | 0.0 | S |
| 71.567 | 0.0000 | 0.0000 | 82.745 | 0.38907 | 0.00000 | 602892.1 | 377339.7 | 0.0 | S |
| 71.575 | 0.0000 | 0.0000 | 82.745 | 0.38902 | 0.00000 | 602892.1 | 377351.3 | 0.0 | S |
| 71.583 | 0.0000 | 0.0000 | 82.745 | 0.38898 | 0.00000 | 602892.1 | 377363.0 | 0.0 | S |
| 71.592 | 0.0000 | 0.0000 | 82.745 | 0.38893 | 0.00000 | 602892.1 | 377374.7 | 0.0 | S |
| 71.600 | 0.0000 | 0.0000 | 82.744 | 0.38889 | 0.00000 | 602892.1 | 377386.3 | 0.0 | S |
| 71.608 | 0.0000 | 0.0000 | 82.744 | 0.38884 | 0.00000 | 602892.1 | 377398.0 | 0.0 | S |
| 71.617 | 0.0000 | 0.0000 | 82.744 | 0.38880 | 0.00000 | 602892.1 | 377409.7 | 0.0 | S |
| 71.625 | 0.0000 | 0.0000 | 82.744 | 0.38876 | 0.00000 | 602892.1 | 377421.3 | 0.0 | S |
| 71.633 | 0.0000 | 0.0000 | 82.744 | 0.38871 | 0.00000 | 602892.1 | 377433.0 | 0.0 | S |
| 71.642 | 0.0000 | 0.0000 | 82.744 | 0.38867 | 0.00000 | 602892.1 | 377444.7 | 0.0 | S |
| 71.650 | 0.0000 | 0.0000 | 82.743 | 0.38862 | 0.00000 | 602892.1 | 377456.3 | 0.0 | S |
| 71.658 | 0.0000 | 0.0000 | 82.743 | 0.38858 | 0.00000 | 602892.1 | 377468.0 | 0.0 | S |
| 71.667 | 0.0000 | 0.0000 | 82.743 | 0.38853 | 0.00000 | 602892.1 | 377479.6 | 0.0 | S |
| 71.675 | 0.0000 | 0.0000 | 82.743 | 0.38849 | 0.00000 | 602892.1 | 377491.3 | 0.0 | S |
| 71.683 | 0.0000 | 0.0000 | 82.743 | 0.38844 | 0.00000 | 602892.1 | 377502.9 | 0.0 | S |
| 71.692 | 0.0000 | 0.0000 | 82.742 | 0.38840 | 0.00000 | 602892.1 | 377514.6 | 0.0 | S |
| 71.700 | 0.0000 | 0.0000 | 82.742 | 0.38835 | 0.00000 | 602892.1 | 377526.2 | 0.0 | S |
| 71.708 | 0.0000 | 0.0000 | 82.742 | 0.38831 | 0.00000 | 602892.1 | 377537.9 | 0.0 | S |
| 71.717 | 0.0000 | 0.0000 | 82.742 | 0.38826 | 0.00000 | 602892.1 | 377549.5 | 0.0 | S |
| 71.725 | 0.0000 | 0.0000 | 82.742 | 0.38822 | 0.00000 | 602892.1 | 377561.2 | 0.0 | S |
| 71.733 | 0.0000 | 0.0000 | 82.741 | 0.38817 | 0.00000 | 602892.1 | 377572.8 | 0.0 | S |
| 71.742 | 0.0000 | 0.0000 | 82.741 | 0.38813 | 0.00000 | 602892.1 | 377584.5 | 0.0 | S |
| 71.750 | 0.0000 | 0.0000 | 82.741 | 0.38808 | 0.00000 | 602892.1 | 377596.1 | 0.0 | S |
| 71.758 | 0.0000 | 0.0000 | 82.741 | 0.38804 | 0.00000 | 602892.1 | 377607.8 | 0.0 | S |
| 71.767 | 0.0000 | 0.0000 | 82.741 | 0.38799 | 0.00000 | 602892.1 | 377619.4 | 0.0 | S |
| 71.775 | 0.0000 | 0.0000 | 82.741 | 0.38795 | 0.00000 | 602892.1 | 377631.0 | 0.0 | S |
| 71.783 | 0.0000 | 0.0000 | 82.740 | 0.38791 | 0.00000 | 602892.1 | 377642.7 | 0.0 | S |
| 71.792 | 0.0000 | 0.0000 | 82.740 | 0.38786 | 0.00000 | 602892.1 | 377654.3 | 0.0 | S |
| 71.800 | 0.0000 | 0.0000 | 82.740 | 0.38782 | 0.00000 | 602892.1 | 377665.9 | 0.0 | S |
| 71,808 | 0.0000 | 0.0000 | 82.740 | 0.38777 | 0.00000 | 602892.1 | 377677.6 | 0.0 | S |
| 71.817 | 0.0000 | 0.0000 | 82.740 | 0.38773 | 0.00000 | 602892.1 | 377689.2 | 0.0 | S |
| 71.825 | 0.0000 | 0.0000 | 82.739 | 0.38768 | 0.00000 | 602892.1 | 377700.8 | 0.0 | S |
| 71.833 | 0.0000 | 0.0000 | 82.739 | 0.38764 | 0.00000 | 602892.1 | 377712.5 | 0.0 | S |
| 71.842 | 0.0000 | 0.0000 | 82.739 | 0.38759 | 0.00000 | 602892.1 | 377724.1 | 0.0 | S |
| 71.850 | 0.0000 | 0.0000 | 82.739 | 0.38755 | 0.00000 | 602892.1 | 377735.7 | 0.0 | S |
| 71.858 | 0.0000 | 0.0000 | 82.739 | 0.38750 | 0.00000 | 602892.1 | 377747.3 | 0.0 | S |
| 71.867 | 0.0000 | 0.0000 | 82.738 | 0.38746 | 0.00000 | 602892.1 | 377759.0 | 0.0 | S |
| 71.875 | 0.0000 | 0.0000 | 82.738 | 0.38741 | 0.00000 | 602892.1 | 377770.6 | 0.0 | S |
| 71.883 | 0.0000 | 0.0000 | 82.738 | 0.38737 | 0.00000 | 602892.1 | 377782.2 | 0.0 | S |
| 71.892 | 0.0000 | 0.0000 | 82.738 | 0.38733 | 0.00000 | 602892.1 | 377793.8 | 0.0 | S |
| 71.900 | 0.0000 | 0.0000 | 82.738 | 0.38728 | 0.00000 | 602892.1 | 377805.5 | 0.0 | S |
| 71.908 | 0.0000 | 0.0000 | 82.738 | 0.38724 | 0.00000 | 602892.1 | 377817.1 | 0.0 | S |
| 71.917 | 0.0000 | 0.0000 | 82.737 | 0.38719 | 0.00000 | 602892.1 | 377828.7 | 0.0 | S |
| 71.925 | 0.0000 | 0.0000 | 82.737 | 0.38715 | 0.00000 | 602892.1 | 377840.3 | 0.0 | S |
| 71.933 | 0.0000 | 0.0000 | 82.737 | 0.38710 | 0.00000 | 602892.1 | 377851.9 | 0.0 | S |
| 71.942 | 0.0000 | 0.0000 | 82.737 | 0.38706 | 0.00000 | 602892.1 | 377863.5 | 0.0 | S |
| 71.950 | 0.0000 | 0.0000 | 82.737 | 0.38701 | 0.00000 | 602892.1 | 377875.2 | 0.0 | S |
| 71.958 | 0.0000 | 0.0000 | 82.736 | 0.38697 | 0.00000 | 602892.1 | 377886.8 | 0.0 | S |
| 71.967 | 0.0000 | 0.0000 | 82.736 | 0.38693 | 0.00000 | 602892.1 | 377898.4 | 0.0 | S |
| 71.975 | 0.0000 | 0.0000 | 82.736 | 0.38688 | 0.00000 | 602892.1 | 377910.0 | 0.0 | S |
| 71.983 | 0.0000 | 0.0000 | 82.736 | 0.38684 | 0.00000 | 602892.1 | 377921.6 | 0.0 | S |
| 71.992 | 0.0000 | 0.0000 | 82.736 | 0.38679 | 0.00000 | 602892.1 | 377933.2 | 0.0 | S |
| 72.000 | 0.0000 | 0.0000 | 82.735 | 0.38675 | 0.00000 | 602892.1 | 377944.8 | 0.0 | S |
| 72.008 | 0.0000 | 0.0000 | 82.735 | 0.38670 | 0.00000 | 602892.1 | 377956.4 | 0.0 | S |
| 72.017 | 0.0000 | 0.0000 | 82.735 | 0.38666 | 0.00000 | 602892.1 | 377968.0 | 0.0 | S |
| 72.025 | 0.0000 | 0.0000 | 82.735 | 0.38661 | 0.00000 | 602892.1 | 377979.6 | 0.0 | S |
| 72.033 | 0.0000 | 0.0000 | 82.735 | 0.38657 | 0.00000 | 602892.1 | 377991.2 | 0.0 | S |
| 72.042 | 0.0000 | 0.0000 | 82.735 | 0.38653 | 0.00000 | 602892.1 | 378002.8 | 0.0 | S |
| 72.050 | 0.0000 | 0.0000 | 82.734 | 0.38648 | 0.00000 | 602892.1 | 378014.4 | 0.0 | S |
| 72.058 | 0.0000 | 0.0000 | 82.734 | 0.38644 | 0.00000 | 602892.1 | 378026.0 | 0.0 | S |
| 72.067 | 0.0000 | 0.0000 | 82.734 | 0.38639 | 0.00000 | 602892.1 | 378037.6 | 0.0 | S |
| 72.075 | 0.0000 | 0.0000 | 82.734 | 0.38635 | 0.00000 | 602892.1 | 378049.2 | 0.0 | S |
| 72.083 | 0.0000 | 0.0000 | 82.734 | 0.38630 | 0.00000 | 602892.1 | 378060.8 | 0.0 | S |
| 72.092 | 0.0000 | 0.0000 | 82.733 | 0.38626 | 0.00000 | 602892.1 | 378072.3 | 0.0 | S |
| 72.100 | 0.0000 | 0.0000 | 82.733 | 0.38622 | 0.00000 | 602892.1 | 378083.9 | 0.0 | S |
| 72.108 | 0.0000 | 0.0000 | 82.733 | 0.38617 | 0.00000 | 602892.1 | 378095.5 | 0.0 | S |
| 72.117 | 0.0000 | 0.0000 | 82.733 | 0.38613 | 0.00000 | 602892.1 | 378107.1 | 0.0 | S |
| 72.125 | 0.0000 | 0.0000 | 82.733 | 0.38608 | 0.00000 | 602892.1 | 378118.7 | 0.0 | S |
| 72.133 | 0.0000 | 0.0000 | 82.732 | 0.38604 | 0.00000 | 602892.1 | 378130.3 | 0.0 | S |
| 72.142 | 0.0000 | 0.0000 | 82.732 | 0.38600 | 0.00000 | 602892.1 | 378141.8 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate (f13/s) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infilitration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overtlow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | $\begin{aligned} & \text { Flow } \\ & \text { Type } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 72.150 | 0.0000 | 0.0000 | 82.732 | 0.38595 | 0.00000 | 602892.1 | 378153.4 | 0.0 | S |
| 72.158 | 0.0000 | 0.0000 | 82.732 | 0.38591 | 0.00000 | 602892.1 | 378165.0 | 0.0 | S |
| 72.167 | 0.0000 | 0.0000 | 82.732 | 0.38586 | 0.00000 | 602892.1 | 378176.6 | 0.0 | S |
| 72.175 | 0.0000 | 0.0000 | 82.732 | 0.38582 | 0.00000 | 602892.1 | 378188.1 | 0.0 | S |
| 72.183 | 0.0000 | 0.0000 | 82.731 | 0.38577 | 0.00000 | 602892.1 | 378199.7 | 0.0 | S |
| 72.192 | 0.0000 | 0.0000 | 82.731 | 0.38573 | 0.00000 | 602892.1 | 378211.3 | 0.0 | S |
| 72.200 | 0.0000 | 0.0000 | 82.731 | 0.38569 | 0.00000 | 602892.1 | 378222.8 | 0.0 | S |
| 72.208 | 0.0000 | 0.0000 | 82.731 | 0.38564 | 0.00000 | 602892.1 | 378234.4 | 0.0 | S |
| 72.217 | 0.0000 | 0.0000 | 82.731 | 0.38560 | 0.00000 | 602892.1 | 378246.0 | 0.0 | S |
| 72.225 | 0.0000 | 0.0000 | 82.730 | 0.38555 | 0.00000 | 602892.1 | 378257.6 | 0.0 | S |
| 72.233 | 0.0000 | 0.0000 | 82.730 | 0.38551 | 0.00000 | 602892.1 | 378269.1 | 0.0 | S |
| 72.242 | 0.0000 | 0.0000 | 82.730 | 0.38547 | 0.00000 | 602892.1 | 378280.7 | 0.0 | S |
| 72.250 | 0.0000 | 0.0000 | 82.730 | 0.38542 | 0.00000 | 602892.1 | 378292.3 | 0.0 | S |
| 72.258 | 0.0000 | 0.0000 | 82.730 | 0.38538 | 0.00000 | 602892.1 | 378303.8 | 0.0 | S |
| 72.267 | 0.0000 | 0.0000 | 82.730 | 0.38533 | 0.00000 | 602892.1 | 378315.4 | 0.0 | S |
| 72.275 | 0.0000 | 0.0000 | 82.729 | 0.38529 | 0.00000 | 602892.1 | 378326.9 | 0.0 | S |
| 72.283 | 0.0000 | 0.0000 | 82.729 | 0.38525 | 0.00000 | 602892.1 | 378338.5 | 0.0 | S |
| 72.292 | 0.0000 | 0.0000 | 82.729 | 0.38520 | 0.00000 | 602892.1 | 378350.1 | 0.0 | S |
| 72.300 | 0.0000 | 0.0000 | 82.729 | 0.38516 | 0.00000 | 602892.1 | 378361.6 | 0.0 | S |
| 72.308 | 0.0000 | 0.0000 | 82.729 | 0.38511 | 0.00000 | 602892.1 | 378373.2 | 0.0 | S |
| 72.317 | 0.0000 | 0.0000 | 82.728 | 0.38507 | 0.00000 | 602892.1 | 378384.7 | 0.0 | S |
| 72.325 | 0.0000 | 0.0000 | 82.728 | 0.38503 | 0.00000 | 602892.1 | 378396.3 | 0.0 | S |
| 72.333 | 0.0000 | 0.0000 | 82.728 | 0.38498 | 0.00000 | 602892.1 | 378407.8 | 0.0 | S |
| 72.342 | 0.0000 | 0.0000 | 82.728 | 0.38494 | 0.00000 | 602892.1 | 378419.4 | 0.0 | S |
| 72.350 | 0.0000 | 0.0000 | 82.728 | 0.38489 | 0.00000 | 602892.1 | 378430.9 | 0.0 | S |
| 72.358 | 0.0000 | 0.0000 | 82.727 | 0.38485 | 0.00000 | 602892.1 | 378442.5 | 0.0 | S |
| 72.367 | 0.0000 | 0.0000 | 82.727 | 0.38481 | 0.00000 | 602892.1 | 378454.0 | 0.0 | S |
| 72.375 | 0.0000 | 0.0000 | 82.727 | 0.38476 | 0.00000 | 602892.1 | 378465.6 | 0.0 | S |
| 72.383 | 0.0000 | 0.0000 | 82.727 | 0.38472 | 0.00000 | 602892.1 | 378477.1 | 0.0 | S |
| 72.392 | 0.0000 | 0.0000 | 82.727 | 0.38467 | 0.00000 | 602892.1 | 378488.6 | 0.0 | S |
| 72.400 | 0.0000 | 0.0000 | 82.727 | 0.38463 | 0.00000 | 602892.4 | 378500.2 | 0.0 | S |
| 72.408 | 0.0000 | 0.0000 | 82.726 | 0.38459 | 0.00000 | 602892.1 | 378511.7 | 0.0 | S |
| 72.417 | 0.0000 | 0.0000 | 82.726 | 0.38454 | 0.00000 | 602892.1 | 378523.3 | 0.0 | S |
| 72.425 | 0.0000 | 0.0000 | 82.726 | 0.38450 | 0.00000 | 602892.1 | 378534.8 | 0.0 | S |
| 72.433 | 0.0000 | 0.0000 | 82.726 | 0.38446 | 0.00000 | 602892.1 | 378546.3 | 0.0 | S |
| 72.442 | 0.0000 | 0.0000 | 82.726 | 0.38441 | 0.00000 | 602892.1 | 378557.8 | 0.0 | S |
| 72.450 | 0.0000 | 0.0000 | 82.725 | 0.38437 | 0.00000 | 602892.1 | 378569.4 | 0.0 | S |
| 72.458 | 0.0000 | 0.0000 | 82.725 | 0.38432 | 0.00000 | 602892.1 | 378580.9 | 0.0 | S |
| 72.467 | 0.0000 | 0.0000 | 82.725 | 0.38428 | 0.00000 | 602892.1 | 378592.4 | 0.0 | S |
| 72.475 | 0.0000 | 0.0000 | 82.725 | 0.38424 | 0.00000 | 602892, 1 | 378604.0 | 0.0 | S |
| 72.483 | 0.0000 | 0.0000 | 82.725 | 0.38419 | 0.00000 | 602892.1 | 378615.5 | 0.0 | S |
| 72.492 | 0.0000 | 0.0000 | 82.724 | 0.38415 | 0.00000 | 602892.1 | 378627.0 | 0.0 | S |
| 72.500 | 0.0000 | 0.0000 | 82.724 | 0.38411 | 0.00000 | 602892.1 | 378638.5 | 0.0 | S |
| 72.508 | 0.0000 | 0.0000 | 82.724 | 0.38406 | 0.00000 | 602892.1 | 378650.1 | 0.0 | S |
| 72.517 | 0.0000 | 0.0000 | 82.724 | 0.38402 | 0.00000 | 602892.1 | 378661.6 | 0.0 | S |
| 72.525 | 0.0000 | 0.0000 | 82.724 | 0.38397 | 0.00000 | 602892.1 | 378673.1 | 0.0 | S |
| 72.533 | 0.0000 | 0.0000 | 82.724 | 0.38393 | 0.00000 | 602892.1 | 378684.6 | 0.0 | S |
| 72.542 | 0.0000 | 0.0000 | 82.723 | 0.38389 | 0.00000 | 602892.1 | 378696.2 | 0.0 | S |
| 72.550 | 0.0000 | 0.0000 | 82.723 | 0.38384 | 0.00000 | 602892.1 | 378707.7 | 0.0 | S |
| 72.558 | 0.0000 | 0.0000 | 82.723 | 0.38380 | 0.00000 | 602892.1 | 378719.2 | 0.0 | S |
| 72.567 | 0.0000 | 0.0000 | 82.723 | 0.38376 | 0.00000 | 602892.1 | 378730.7 | 0.0 | S |
| 72.575 | 0.0000 | 0.0000 | 82.723 | 0.38371 | 0.00000 | 602892.1 | 378742.2 | 0.0 | S |
| 72.583 | 0.0000 | 0.0000 | 82.722 | 0.38367 | 0.00000 | 602892.1 | 378753.7 | 0.0 | S |
| 72.592 | 0.0000 | 0.0000 | 82.722 | 0.38362 | 0.00000 | 602892.1 | 378765.2 | 0.0 | S |
| 72.600 | 0.0000 | 0.0000 | 82.722 | 0.38358 | 0.00000 | 602892.1 | 378776.7 | 0.0 | S |
| 72.608 | 0.0000 | 0.0000 | 82.722 | 0.38354 | 0.00000 | 602892.1 | 378788.2 | 0.0 | S |
| 72.617 | 0.0000 | 0.0000 | 82.722 | 0.38349 | 0.00000 | 602892.1 | 378799.8 | 0.0 | S |
| 72.625 | 0.0000 | 0.0000 | 82.721 | 0.38345 | 0.00000 | 602892.1 | 378811.3 | 0.0 | S |
| 72.633 | 0.0000 | 0.0000 | 82.721 | 0.38341 | 0.00000 | 602892.1 | 378822.8 | 0.0 | S |
| 72.642 | 0.0000 | 0.0000 | 82.721 | 0.38336 | 0.00000 | 602892.1 | 378834.3 | 0.0 | S |
| 72.650 | 0.0000 | 0.0000 | 82.721 | 0.38332 | 0.00000 | 602892.1 | 378845.8 | 0.0 | S |
| 72.658 | 0.0000 | 0.0000 | 82.721 | 0.38328 | 0.00000 | 602892.1 | 378857.3 | 0.0 | S |
| 72.667 | 0.0000 | 0.0000 | 82.721 | 0.38323 | 0.00000 | 602892.1 | 378868.8 | 0.0 | S |
| 72.675 | 0.0000 | 0.0000 | 82.720 | 0.38319 | 0.00000 | 602892.1 | 378880.3 | 0.0 | S |
| 72.683 | 0.0000 | 0.0000 | 82.720 | 0.38315 | 0.00000 | 602892.1 | 378891.8 | 0.0 | S |
| 72.692 | 0.0000 | 0.0000 | 82.720 | 0.38310 | 0.00000 | 602892.1 | 378903.2 | 0.0 | S |
| 72.700 | 0.0000 | 0.0000 | 82.720 | 0.38306 | 0.00000 | 602892.1 | 378914.7 | 0.0 | S |
| 72.708 | 0.0000 | 0.0000 | 82.720 | 0.38301 | 0.00000 | 602892.1 | 378926.2 | 0.0 | S |
| 72.717 | 0.0000 | 0.0000 | 82.719 | 0.38297 | 0.00000 | 602892.1 | 378937.7 | 0.0 | S |
| 72.725 | 0.0000 | 0.0000 | 82.719 | 0.38293 | 0.00000 | 602892.1 | 378949.2 | 0.0 | S |
| 72.733 | 0.0000 | 0.0000 | 82.719 | 0.38288 | 0.00000 | 602892.1 | 378960.7 | 0.0 | S |
| 72.742 | 0.0000 | 0.0000 | 82.719 | 0.38284 | 0.00000 | 602892.1 | 378972.2 | 0.0 | S |
| 72.750 | 0.0000 | 0.0000 | 82.719 | 0.38280 | 0.00000 | 602892.1 | 378983.7 | 0.0 | S |
| 72.758 | 0.0000 | 0.0000 | 82.719 | 0.38275 | 0.00000 | 602892.1 | 378995.1 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (fl datum) | infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{fl}^{3}$ ) | Fiow |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 72.767 | 0.0000 | 0.0000 | 82.718 | 0.38271 | 0.00000 | 602892.1 | 379006.6 | 0.0 | S |
| 72.775 | 0.0000 | 0.0000 | 82.718 | 0.38267 | 0.00000 | 602892.1 | 379018.1 | 0.0 | S |
| 72.783 | 0.0000 | 0.0000 | 82.718 | 0.38262 | 0.00000 | 602892.1 | 379029.6 | 0.0 | S |
| 72.792 | 0.0000 | 0.0000 | 82.718 | 0.38258 | 0.00000 | 602892.1 | 379041.1 | 0.0 | S |
| 72.800 | 0.0000 | 0.0000 | 82.718 | 0.38254 | 0.00000 | 602892.1 | 379052.5 | 0.0 | S |
| 72.808 | 0.0000 | 0.0000 | 82.717 | 0.38249 | 0.00000 | 602892.1 | 379064.0 | 0.0 | S |
| 72.817 | 0.0000 | 0.0000 | 82.717 | 0.38245 | 0.00000 | 602892.1 | 379075.5 | 0.0 | S |
| 72.825 | 0.0000 | 0.0000 | 82.717 | 0.38241 | 0.00000 | 602892.1 | 379086.9 | 0.0 | S |
| 72.833 | 0.0000 | 0.0000 | 82.717 | 0.38236 | 0.00000 | 602892.1 | 379098.4 | 0.0 | S |
| 72.842 | 0.0000 | 0.0000 | 82.717 | 0.38232 | 0.00000 | 602892.1 | 379109.9 | 0.0 | S |
| 72.850 | 0.0000 | 0.0000 | 82.716 | 0.38228 | 0.00000 | 602892.1 | 379121.4 | 0.0 | S |
| 72.858 | 0.0000 | 0.0000 | 82.716 | 0.38223 | 0.00000 | 602892.1 | 379132.8 | 0.0 | S |
| 72.867 | 0.0000 | 0.0000 | 82.716 | 0.38219 | 0.00000 | 602892.1 | 379144.3 | 0.0 | S |
| 72.875 | 0.0000 | 0.0000 | 82.716 | 0.38215 | 0.00000 | 602892.1 | 379155.8 | 0.0 | S |
| 72.883 | 0.0000 | 0.0000 | 82.716 | 0.38210 | 0.00000 | 602892.1 | 379167.2 | 0.0 | S |
| 72.892 | 0.0000 | 0.0000 | 82.716 | 0.38206 | 0.00000 | 602892.1 | 379178.7 | 0.0 | S |
| 72.900 | 0.0000 | 0.0000 | 82.715 | 0.38202 | 0.00000 | 602892.1 | 379190.2 | 0.0 | S |
| 72.908 | 0.0000 | 0.0000 | 82.715 | 0.38197 | 0.00000 | 602892.1 | 379201.6 | 0.0 | S |
| 72.917 | 0.0000 | 0.0000 | 82.715 | 0.38193 | 0.00000 | 602892.1 | 379213.1 | 0.0 | S |
| 72.925 | 0.0000 | 0.0000 | 82.715 | 0.38189 | 0.00000 | 602892.1 | 379224.5 | 0.0 | S |
| 72.933 | 0.0000 | 0.0000 | 82.715 | 0.38184 | 0.00000 | 602892.1 | 379236.0 | 0.0 | S |
| 72.942 | 0.0000 | 0.0000 | 82.714 | 0.38180 | 0.00000 | 602892.1 | 379247.4 | 0.0 | S |
| 72.950 | 0.0000 | 0.0000 | 82.714 | 0.38176 | 0.00000 | 602892.1 | 379258.9 | 0.0 | S |
| 72.958 | 0.0000 | 0.0000 | 82.714 | 0.38171 | 0.00000 | 602892.1 | 379270.3 | 0.0 | S |
| 72.967 | 0.0000 | 0.0000 | 82.714 | 0.38167 | 0.00000 | 602892.1 | 379281.8 | 0.0 | S |
| 72.975 | 0.0000 | 0.0000 | 82.714 | 0.38163 | 0.00000 | 602892.1 | 379293.3 | 0.0 | S |
| 72.983 | 0.0000 | 0.0000 | 82.714 | 0.38159 | 0.00000 | 602892.1 | 379304.7 | 0.0 | S |
| 72.992 | 0.0000 | 0.0000 | 82.713 | 0.38154 | 0.00000 | 602892.1 | 379316.1 | 0.0 | S |
| 73.000 | 0.0000 | 0.0000 | 82.713 | 0.38150 | 0.00000 | 602892.1 | 379327.6 | 0.0 | S |
| 73.008 | 0.0000 | 0.0000 | 82.713 | 0.38146 | 0.00000 | 602892.1 | 379339.0 | 0.0 | S |
| 73.017 | 0.0000 | 0.0000 | 82.713 | 0.38141 | 0.00000 | 602892.1 | 379350.5 | 0.0 | S |
| 73.025 | 0.0000 | 0.0000 | 82.713 | 0.38137 | 0.00000 | 602892.1 | 379361.9 | 0.0 | S |
| 73.033 | 0.0000 | 0.0000 | 82.712 | 0.38133 | 0.00000 | 602892.1 | 379373.3 | 0.0 | S |
| 73.042 | 0.0000 | 0.0000 | 82.712 | 0.38128 | 0.00000 | 602892.1 | 379384.8 | 0.0 | S |
| 73.050 | 0.0000 | 0.0000 | 82.712 | 0.38124 | 0.00000 | 602892.1 | 379396.2 | 0.0 | S |
| 73.058 | 0.0000 | 0.0000 | 82.712 | 0.38120 | 0.00000 | 602892.1 | 379407.7 | 0.0 | S |
| 73.067 | 0.0000 | 0.0000 | 82.712 | 0.38115 | 0.00000 | 602892.1 | 379419.1 | 0.0 | S |
| 73.075 | 0.0000 | 0.0000 | 82.711 | 0.38111 | 0.00000 | 602892.1 | 379430.5 | 0.0 | S |
| 73.083 | 0.0000 | 0.0000 | 82.711 | 0.38107 | 0.00000 | 602892.1 | 379442.0 | 0.0 | S |
| 73.092 | 0.0000 | 0.0000 | 82.711 | 0.38103 | 0.00000 | 602892.1 | 379453.4 | 0.0 | S |
| 73.100 | 0.0000 | 0.0000 | 82.711 | 0.38098 | 0.00000 | 602892.1 | 379464.8 | 0.0 | S |
| 73.108 | 0.0000 | 0.0000 | 82.711 | 0.38094 | 0.00000 | 602892.1 | 379476.3 | 0.0 | S |
| 73.117 | 0.0000 | 0.0000 | 82.711 | 0.38090 | 0.00000 | 602892.1 | 379487.7 | 0.0 | S |
| 73.125 | 0.0000 | 0.0000 | 82.710 | 0.38085 | 0.00000 | 602892.1 | 379499.1 | 0.0 | S |
| 73.133 | 0.0000 | 0.0000 | 82.710 | 0.38081 | 0.00000 | 602892.1 | 379510.5 | 0.0 | S |
| 73.142 | 0.0000 | 0.0000 | 82.710 | 0.38077 | 0.00000 | 602892.1 | 379522.0 | 0.0 | S |
| 73.150 | 0.0000 | 0.0000 | 82.710 | 0.38072 | 0.00000 | 602892.1 | 379533.4 | 0.0 | S |
| 73.158 | 0.0000 | 0.0000 | 82.710 | 0.38068 | 0.00000 | 602892.1 | 379544.8 | 0.0 | S |
| 73.167 | 0.0000 | 0.0000 | 82.709 | 0.38064 | 0.00000 | 602892.1 | 379556.2 | 0.0 | S |
| 73.175 | 0.0000 | 0.0000 | 82.709 | 0.38060 | 0.00000 | 602892.1 | 379567.7 | 0.0 | S |
| 73.183 | 0.0000 | 0.0000 | 82.709 | 0.38055 | 0.00000 | 602892.1 | 379579.1 | 0.0 | S |
| 73.192 | 0.0000 | 0.0000 | 82.709 | 0.38051 | 0.00000 | 602892.1 | 379590.5 | 0.0 | S |
| 73.200 | 0.0000 | 0.0000 | 82.709 | 0.38047 | 0.00000 | 602892.1 | 379601.9 | 0.0 | S |
| 73.208 | 0.0000 | 0.0000 | 82.709 | 0.38042 | 0.00000 | 602892.1 | 379613.3 | 0.0 | S |
| 73.217 | 0.0000 | 0.0000 | 82.708 | 0.38038 | 0.00000 | 602892.1 | 379624.7 | 0.0 | S |
| 73.225 | 0.0000 | 0.0000 | 82.708 | 0.38034 | 0.00000 | 602892.1 | 379636.1 | 0.0 | S |
| 73.233 | 0.0000 | 0.0000 | 82.708 | 0.38030 | 0.00000 | 602892.1 | 379647.5 | 0.0 | S |
| 73.242 | 0.0000 | 0.0000 | 82.708 | 0.38025 | 0.00000 | 602892.1 | 379658.9 | 0.0 | S |
| 73.250 | 0.0000 | 0.0000 | 82.708 | 0.38021 | 0.00000 | 602892.1 | 379670.3 | 0.0 | S |
| 73.258 | 0.0000 | 0.0000 | 82.707 | 0.38017 | 0.00000 | 602892.1 | 379681.8 | 0.0 | S |
| 73.267 | 0.0000 | 0.0000 | 82.707 | 0.38012 | 0.00000 | 602892.1 | 379693.2 | 0.0 | S |
| 73.275 | 0.0000 | 0.0000 | 82.707 | 0.38008 | 0.00000 | 602892.1 | 379704.6 | 0.0 | S |
| 73.283 | 0.0000 | 0.0000 | 82.707 | 0.38004 | 0.00000 | 602892.1 | 379716.0 | 0.0 | S |
| 73.292 | 0.0000 | 0.0000 | 82.707 | 0.38000 | 0.00000 | 602892.1 | 379727.4 | 0.0 | S |
| 73.300 | 0.0000 | 0.0000 | 82.706 | 0.37995 | 0.00000 | 602892.1 | 379738.8 | 0.0 | S |
| 73.308 | 0.0000 | 0.0000 | 82.706 | 0.37991 | 0.00000 | 602892.1 | 379750.2 | 0.0 | S |
| 73.317 | 0.0000 | 0.0000 | 82.706 | 0.37987 | 0.00000 | 602892.1 | 379761.6 | 0.0 | S |
| 73.325 | 0.0000 | 0.0000 | 82.706 | 0.37982 | 0.00000 | 602892.1 | 379773.0 | 0.0 | S |
| 73.333 | 0.0000 | 0.0000 | 82.706 | 0.37978 | 0.00000 | 602892.1 | 379784.3 | 0.0 | S |
| 73.342 | 0.0000 | 0.0000 | 82.706 | 0.37974 | 0.00000 | 602892.1 | 379795.8 | 0.0 | S |
| 73.350 | 0.0000 | 0.0000 | 82.705 | 0.37970 | 0.00000 | 602892.1 | 379807.1 | 0.0 | S |
| 73.358 | 0.0000 | 0.0000 | 82.705 | 0.37965 | 0.00000 | 602892.1 | 379818.5 | 0.0 | S |
| 73.367 | 0.0000 | 0.0000 | 82.705 | 0.37961 | 0.00000 | 602892.1 | 379829.9 | 0.0 | S |
| 73.375 | 0.0000 | 0.0000 | 82.705 | 0.37957 | 0.00000 | 602892.1 | 379841.3 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overtiow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 73.383 | 0.0000 | 0.0000 | 82.705 | 0.37953 | 0.00000 | 602892.1 | 379852.7 | 0.0 | S |
| 73.392 | 0.0000 | 0.0000 | 82.704 | 0.37948 | 0.00000 | 602892.1 | 379864.1 | 0.0 | S |
| 73.400 | 0.0000 | 0.0000 | 82.704 | 0.37944 | 0.00000 | 602892.1 | 379875.5 | 0.0 | S |
| 73.408 | 0.0000 | 0.0000 | 82.704 | 0.37940 | 0.00000 | 602892.1 | 379886.8 | 0.0 | S |
| 73.417 | 0.0000 | 0.0000 | 82.704 | 0.37936 | 0.00000 | 602892.1 | 379898.2 | 0.0 | S |
| 73.425 | 0.0000 | 0.0000 | 82.704 | 0.37931 | 0.00000 | 602892.1 | 379909.6 | 0.0 | S |
| 73.433 | 0.0000 | 0.0000 | 82.704 | 0.37927 | 0.00000 | 602892.1 | 379921.0 | 0.0 | S |
| 73.442 | 0.0000 | 0.0000 | 82.703 | 0.37923 | 0.00000 | 602892.1 | 379932.3 | 0.0 | S |
| 73.450 | 0.0000 | 0.0000 | 82.703 | 0.37919 | 0.00000 | 602892.1 | 379943.7 | 0.0 | S |
| 73.458 | 0.0000 | 0.0000 | 82.703 | 0.37914 | 0.00000 | 602892.1 | 379955.1 | 0.0 | S |
| 73.467 | 0.0000 | 0.0000 | 82.703 | 0.37910 | 0.00000 | 602892.1 | 379966.5 | 0.0 | S |
| 73.475 | 0.0000 | 0.0000 | 82.703 | 0.37906 | 0.00000 | 602892.1 | 379977.8 | 0.0 | S |
| 73.483 | 0.0000 | 0.0000 | 82.702 | 0.37901 | 0.00000 | 602892.1 | 379989.2 | 0.0 | S |
| 73.492 | 0.0000 | 0.0000 | 82.702 | 0.37897 | 0.00000 | 602892.1 | 380000.6 | 0.0 | S |
| 73.500 | 0.0000 | 0.0000 | 82.702 | 0.37893 | 0.00000 | 602892.1 | 380012.0 | 0.0 | S |
| 73.508 | 0.0000 | 0.0000 | 82.702 | 0.37889 | 0.00000 | 602892.1 | 380023.3 | 0.0 | S |
| 73.517 | 0.0000 | 0.0000 | 82.702 | 0.37884 | 0.00000 | 602892.1 | 380034.7 | 0.0 | S |
| 73.525 | 0.0000 | 0.0000 | 82.702 | 0.37880 | 0.00000 | 602892.1 | 380046.1 | 0.0 | S |
| 73.533 | 0.0000 | 0.0000 | 82.701 | 0.37876 | 0.00000 | 602892.1 | 380057.4 | 0.0 | S |
| 73.542 | 0.0000 | 0.0000 | 82.701 | 0.37872 | 0.00000 | 602892.1 | 380068.8 | 0.0 | S |
| 73.550 | 0.0000 | 0.0000 | 82.701 | 0.37867 | 0.00000 | 602892.1 | 380080.2 | 0.0 | S |
| 73.558 | 0.0000 | 0.0000 | 82.701 | 0.37863 | 0.00000 | 602892.1 | 380091.5 | 0.0 | S |
| 73.567 | 0.0000 | 0.0000 | 82.701 | 0.37859 | 0.00000 | 602892.1 | 380102.9 | 0.0 | S |
| 73.575 | 0.0000 | 0.0000 | 82.700 | 0.37855 | 0.00000 | 602892.1 | 380114.2 | 0.0 | S |
| 73.583 | 0.0000 | 0.0000 | 82.700 | 0.37850 | 0.00000 | 602892.1 | 380125.6 | 0.0 | S |
| 73.592 | 0.0000 | 0.0000 | 82.700 | 0.37846 | 0.00000 | 602892.1 | 380136.9 | 0.0 | S |
| 73.600 | 0.0000 | 0.0000 | 82.700 | 0.37842 | 0.00000 | 602892.1 | 380148.3 | 0.0 | S |
| 73.608 | 0.0000 | 0.0000 | 82.700 | 0.37838 | 0.00000 | 602892.1 | 380159.6 | 0.0 | S |
| 73.617 | 0.0000 | 0.0000 | 82.699 | 0.37834 | 0.00000 | 602892.1 | 380171.0 | 0.0 | S |
| 73.625 | 0.0000 | 0.0000 | 82.699 | 0.37829 | 0.00000 | 602892.1 | 380182.3 | 0.0 | S |
| 73.633 | 0.0000 | 0.0000 | 82.699 | 0.37825 | 0.00000 | 602892.1 | 380193.7 | 0.0 | S |
| 73.642 | 0.0000 | 0.0000 | 82.699 | 0.3782 | 0.00000 | 602892.1 | 380205.0 | 0.0 | S |
| 73.650 | 0.0000 | 0.0000 | 82.699 | 0.37817 | 0.00000 | 602892.1 | 380216.4 | 0.0 | S |
| 73.658 | 0.0000 | 0.0000 | 82.699 | 0.37812 | 0.00000 | 602892.1 | 380227.7 | 0.0 | S |
| 73.667 | 0.0000 | 0.0000 | 82.698 | 0.37808 | 0.00000 | 602892.1 | 380239.1 | 0.0 | S |
| 73.675 | 0.0000 | 0.0000 | 82.698 | 0.37804 | 0.00000 | 602892.1 | 380250.4 | 0.0 | S |
| 73.683 | 0.0000 | 0.0000 | 82.698 | 0.37800 | 0.00000 | 602892.1 | 380261.8 | 0.0 | S |
| 73.692 | 0.0000 | 0.0000 | 82.698 | 0.37795 | 0.00000 | 602892.1 | 380273.1 | 0.0 | S |
| 73.700 | 0.0000 | 0.0000 | 82.698 | 0.37791 | 0.00000 | 602892.1 | 380284.4 | 0.0 | S |
| 73.708 | 0.0000 | 0.0000 | 82.697 | 0.37787 | 0.00000 | 602892.1 | 380295.8 | 0.0 | S |
| 73.717 | 0.0000 | 0.0000 | 82.697 | 0.37783 | 0.00000 | 602892.1 | 380307.1 | 0.0 | S |
| 73.725 | 0.0000 | 0.0000 | 82.697 | 0.37779 | 0.00000 | 602892.1 | 380318.4 | 0.0 | S |
| 73.733 | 0.0000 | 0.0000 | 82.697 | 0.37774 | 0.00000 | 602892.1 | 380329.8 | 0.0 | S |
| 73.742 | 0.0000 | 0.0000 | 82.697 | 0.37770 | 0.00000 | 602892.1 | 380341.1 | 0.0 | S |
| 73.750 | 0.0000 | 0.0000 | 82.697 | 0.37766 | 0.00000 | 602892.1 | 380352.4 | 0.0 | S |
| 73.758 | 0.0000 | 0.0000 | 82.696 | 0.37762 | 0.00000 | 602892.1 | 380363.8 | 0.0 | S |
| 73.767 | 0.0000 | 0.0000 | 82.696 | 0.37757 | 0.00000 | 602892.1 | 380375.1 | 0.0 | S |
| 73.775 | 0.0000 | 0.0000 | 82.696 | 0.37753 | 0.00000 | 602892.1 | 380386.4 | 0.0 | S |
| 73.783 | 0.0000 | 0.0000 | 82.696 | 0.37749 | 0.00000 | 602892.1 | 380397.8 | 0.0 | S |
| 73.792 | 0.0000 | 0.0000 | 82.696 | 0.37745 | 0.00000 | 602892.1 | 380409.1 | 0.0 | S |
| 73.800 | 0.0000 | 0.0000 | 82.695 | 0.37741 | 0.00000 | 602892.1 | 380420.4 | 0.0 | S |
| 73.808 | 0.0000 | 0.0000 | 82.695 | 0.37736 | 0.00000 | 602892.1 | 380431.7 | 0.0 | S |
| 73.817 | 0.0000 | 0.0000 | 82.695 | 0.37732 | 0.00000 | 602892.1 | 380443.0 | 0.0 | S |
| 73.825 | 0.0000 | 0.0000 | 82.695 | 0.37728 | 0.00000 | 602892.1 | 380454.3 | 0.0 | S |
| 73.833 | 0.0000 | 0.0000 | 82.695 | 0.37724 | 0.00000 | 602892.1 | 380465.7 | 0.0 | S |
| 73.842 | 0.0000 | 0.0000 | 82.695 | 0.37719 | 0.00000 | 602892.1 | 380477.0 | 0.0 | S |
| 73.850 | 0.0000 | 0.0000 | 82.694 | 0.37715 | 0.00000 | 602892.1 | 380488.3 | 0.0 | S |
| 73.858 | 0.0000 | 0.0000 | 82.694 | 0.37711 | 0.00000 | 602892.1 | 380499.6 | 0.0 | S |
| 73.867 | 0.0000 | 0.0000 | 82.694 | 0.37707 | 0.00000 | 602892.1 | 380510.9 | 0.0 | S |
| 73.875 | 0.0000 | 0.0000 | 82.694 | 0.37703 | 0.00000 | 602892.1 | 380522.2 | 0.0 | S |
| 73.883 | 0.0000 | 0.0000 | 82.694 | 0.37698 | 0.00000 | 602892.1 | 380533.5 | 0.0 | S |
| 73.892 | 0.0000 | 0.0000 | 82.693 | 0.37694 | 0.00000 | 602892.1 | 380544.8 | 0.0 | S |
| 73.900 | 0.0000 | 0.0000 | 82.693 | 0.37690 | 0.00000 | 602892.1 | 380556.2 | 0.0 | S |
| 73.908 | 0.0000 | 0.0000 | 82.693 | 0.37686 | 0.00000 | 602892.1 | 380567.5 | 0.0 | S |
| 73.917 | 0.0000 | 0.0000 | 82.693 | 0.37682 | 0.00000 | 602892.1 | 380578.8 | 0.0 | S |
| 73.925 | 0.0000 | 0.0000 | 82.693 | 0.37677 | 0.00000 | 602892.1 | 380590.1 | 0.0 | S |
| 73.933 | 0.0000 | 0.0000 | 82.693 | 0.37673 | 0.00000 | 602892.1 | 380601.4 | 0.0 | S |
| 73.942 | 0.0000 | 0.0000 | 82.692 | 0.37669 | 0.00000 | 602892.1 | 380612.7 | 0.0 | S |
| 73.950 | 0.0000 | 0.0000 | 82.692 | 0.37665 | 0.00000 | 602892.1 | 380624.0 | 0.0 | S |
| 73.958 | 0.0000 | 0.0000 | 82.692 | 0.37661 | 0.00000 | 602892.1 | 380635.3 | 0.0 | S |
| 73.967 | 0.0000 | 0.0000 | 82.692 | 0.37656 | 0.00000 | 602892.1 | 380646.6 | 0.0 | S |
| 73.975 | 0.0000 | 0.0000 | 82.692 | 0.37652 | 0.00000 | 602892.1 | 380657.9 | 0.0 | S |
| 73.983 | 0.0000 | 0.0000 | 82.691 | 0.37648 | 0.00000 | 602892.1 | 380669.2 | 0.0 | S |
| 73.992 | 0.0000 | 0.0000 | 82.691 | 0.37644 | 0.00000 | 602892.1 | 380680.5 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate (ft/s) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 74.000 | 0.0000 | 0.0000 | 82.691 | 0.37640 | 0.00000 | 602892.1 | 380691.8 | 0.0 | S |
| 74.008 | 0.0000 | 0.0000 | 82.691 | 0.37635 | 0.00000 | 602892.1 | 380703.0 | 0.0 | S |
| 74.017 | 0.0000 | 0.0000 | 82.691 | 0.37631 | 0.00000 | 602892.1 | 380714.3 | 0.0 | S |
| 74.025 | 0.0000 | 0.0000 | 82.690 | 0.37627 | 0.00000 | 602892.1 | 380725.6 | 0.0 | S |
| 74.033 | 0.0000 | 0.0000 | 82.690 | 0.37623 | 0.00000 | 602892.1 | 380736.9 | 0.0 | S |
| 74.042 | 0.0000 | 0.0000 | 82.690 | 0.37619 | 0.00000 | 602892.1 | 380748.2 | 0.0 | S |
| 74.050 | 0.0000 | 0.0000 | 82.690 | 0.37614 | 0.00000 | 602892.1 | 380759.5 | 0.0 | S |
| 74.058 | 0.0000 | 0.0000 | 82.690 | 0.37610 | 0.00000 | 602892.1 | 380770.8 | 0.0 | S |
| 74.067 | 0.0000 | 0.0000 | 82.690 | 0.37606 | 0.00000 | 602892.1 | 380782.0 | 0.0 | S |
| 74.075 | 0.0000 | 0.0000 | 82.689 | 0.37602 | 0.00000 | 602892.1 | 380793.3 | 0.0 | S |
| 74.083 | 0.0000 | 0.0000 | 82.689 | 0.37598 | 0.00000 | 602892.1 | 380804.6 | 0.0 | S |
| 74.092 | 0.0000 | 0.0000 | 82.689 | 0.37593 | 0.00000 | 602892.1 | 380815.9 | 0.0 | S |
| 74.100 | 0.0000 | 0.0000 | 82.689 | 0.37589 | 0.00000 | 602892.1 | 380827.2 | 0.0 | S |
| 74.108 | 0.0000 | 0.0000 | 82.689 | 0.37585 | 0.00000 | 602892.1 | 380838.4 | 0.0 | S |
| 74.117 | 0.0000 | 0.0000 | 82.688 | 0.37581 | 0.00000 | 602892.1 | 380849.7 | 0.0 | S |
| 74.125 | 0.0000 | 0.0000 | 82.688 | 0.37577 | 0.00000 | 602892.1 | 380861.0 | 0.0 | S |
| 74.133 | 0.0000 | 0.0000 | 82.688 | 0.37573 | 0.00000 | 602892.1 | 380872.3 | 0.0 | S |
| 74.142 | 0.0000 | 0.0000 | 82.688 | 0.37568 | 0.00000 | 602892.1 | 380883.5 | 0.0 | S |
| 74.150 | 0.0000 | 0.0000 | 82.688 | 0.37564 | 0.00000 | 602892.1 | 380894.8 | 0.0 | S |
| 74.158 | 0.0000 | 0.0000 | 82.688 | 0.37560 | 0.00000 | 602892.1 | 380906.1 | 0.0 | S |
| 74.167 | 0.0000 | 0.0000 | 82.687 | 0.37556 | 0.00000 | 602892.1 | 380917.3 | 0.0 | S |
| 74.175 | 0.0000 | 0.0000 | 82.687 | 0.37552 | 0.00000 | 602892.1 | 380928.6 | 0.0 | S |
| 74.183 | 0.0000 | 0.0000 | 82.687 | 0.37548 | 0.00000 | 602892.1 | 380939.9 | 0.0 | S |
| 74.192 | 0.0000 | 0.0000 | 82.687 | 0.37543 | 0.00000 | 602892.1 | 380951.1 | 0.0 | S |
| 74.200 | 0.0000 | 0.0000 | 82.687 | 0.37539 | 0.00000 | 602892.1 | 380962.4 | 0.0 | S |
| 74.208 | 0.0000 | 0.0000 | 82.686 | 0.37535 | 0.00000 | 602892.1 | 380973.7 | 0.0 | S |
| 74.217 | 0.0000 | 0.0000 | 82.686 | 0.37531 | 0.00000 | 602892.1 | 380984.9 | 0.0 | S |
| 74.225 | 0.0000 | 0.0000 | 82.686 | 0.37527 | 0.00000 | 602892.1 | 380996.2 | 0.0 | S |
| 74.233 | 0.0000 | 0.0000 | 82.686 | 0.37523 | 0.00000 | 602892.1 | 381007.4 | 0.0 | S |
| 74.242 | 0.0000 | 0.0000 | 82.686 | 0.37518 | 0.00000 | 602892.1 | 381018.7 | 0.0 | S |
| 74.250 | 0.0000 | 0.0000 | 82.686 | 0.37514 | 0.00000 | 602892.1 | 381029.9 | 0.0 | S |
| 74.258 | 0.0000 | 0.0000 | 82.685 | 0.37510 | 0.00000 | 602892.1 | 381041.2 | 0.0 | S |
| 74.267 | 0.0000 | 0.0000 | 82.685 | 0.37506 | 0.00000 | 602892.1 | 381052.4 | 0.0 | S |
| 74.275 | 0.0000 | 0.0000 | 82.685 | 0.37502 | 0.00000 | 602892.1 | 381063.7 | 0.0 | S |
| 74.283 | 0.0000 | 0.0000 | 82.685 | 0.37498 | 0.00000 | 602892.1 | 381074.9 | 0.0 | S |
| 74.292 | 0.0000 | 0.0000 | 82.685 | 0.37493 | 0.00000 | 602892.1 | 381086.2 | 0.0 | S |
| 74.300 | 0.0000 | 0.0000 | 82.684 | 0.37489 | 0.00000 | 602892.1 | 381097.4 | 0.0 | S |
| 74.308 | 0.0000 | 0.0000 | 82.684 | 0.37485 | 0.00000 | 602892.1 | 381108.7 | 0.0 | S |
| 74.317 | 0.0000 | 0.0000 | 82.684 | 0.37481 | 0.00000 | 602892.1 | 381119.9 | 0.0 | S |
| 74.325 | 0.0000 | 0.0000 | 82.684 | 0.37477 | 0.00000 | 602892.1 | 381131.2 | 0.0 | S |
| 74.333 | 0.0000 | 0.0000 | 82.684 | 0.37473 | 0.00000 | 602892.1 | 381142.4 | 0.0 | S |
| 74.342 | 0.0000 | 0.0000 | 82.684 | 0.37468 | 0.00000 | 602892.1 | 381153.7 | 0.0 | S |
| 74.350 | 0.0000 | 0.0000 | 82.683 | 0.37464 | 0.00000 | 602892.1 | 381164.9 | 0.0 | S |
| 74.358 | 0.0000 | 0.0000 | 82.683 | 0.37460 | 0.00000 | 602892.1 | 381176.2 | 0.0 | S |
| 74.367 | 0.0000 | 0.0000 | 82.683 | 0.37456 | 0.00000 | 602892.1 | 381187.4 | 0.0 | S |
| 74.375 | 0.0000 | 0.0000 | 82.683 | 0.37452 | 0.00000 | 602892.1 | 381198.6 | 0.0 | S |
| 74.383 | 0.0000 | 0.0000 | 82.683 | 0.37448 | 0.00000 | 602892.1 | 381209.8 | 0.0 | S |
| 74.392 | 0.0000 | 0.0000 | 82.682 | 0.37444 | 0.00000 | 602892.1 | 381221.1 | 0.0 | S |
| 74.400 | 0.0000 | 0.0000 | 82.682 | 0.37439 | 0.00000 | 602892.1 | 381232.3 | 0.0 | S |
| 74.408 | 0.0000 | 0.0000 | 82.682 | 0.37435 | 0.00000 | 602892.1 | 381243.6 | 0.0 | S |
| 74.417 | 0.0000 | 0.0000 | 82.682 | 0.37431 | 0.00000 | 602892.1 | 381254.8 | 0.0 | S |
| 74.425 | 0.0000 | 0.0000 | 82.682 | 0.37427 | 0.00000 | 602892.1 | 381266.0 | 0.0 | S |
| 74.433 | 0.0000 | 0.0000 | 82.682 | 0.37423 | 0.00000 | 602892.1 | 381277.2 | 0.0 | S |
| 74.442 | 0.0000 | 0.0000 | 82.681 | 0.37419 | 0.00000 | 602892.1 | 381288.5 | 0.0 | S |
| 74.450 | 0.0000 | 0.0000 | 82.681 | 0.37414 | 0.00000 | 602892.1 | 381299.7 | 0.0 | S |
| 74.458 | 0.0000 | 0.0000 | 82.681 | 0.37410 | 0.00000 | 602892.1 | 381310.9 | 0.0 | S |
| 74.467 | 0.0000 | 0.0000 | 82.681 | 0.37406 | 0.00000 | 602892.1 | 381322.1 | 0.0 | S |
| 74.475 | 0.0000 | 0.0000 | 82.681 | 0.37402 | 0.00000 | 602892.1 | 381333.3 | 0.0 | S |
| 74.483 | 0.0000 | 0.0000 | 82.680 | 0.37398 | 0.00000 | 602892.1 | 381344.6 | 0.0 | S |
| 74.492 | 0.0000 | 0.0000 | 82.680 | 0.37394 | 0.00000 | 602892.1 | 381355.8 | 0.0 | S |
| 74.500 | 0.0000 | 0.0000 | 82.680 | 0.37390 | 0.00000 | 602892.1 | 381367.0 | 0.0 | S |
| 74.508 | 0.0000 | 0.0000 | 82.680 | 0.37386 | 0.00000 | 602892.1 | 381378.2 | 0.0 | S |
| 74.517 | 0.0000 | 0.0000 | 82.680 | 0.37381 | 0.00000 | 602892.1 | 381389.4 | 0.0 | S |
| 74.525 | 0.0000 | 0.0000 | 82.680 | 0.37377 | 0.00000 | 602892.1 | 381400.7 | 0.0 | S |
| 74.533 | 0.0000 | 0.0000 | 82.679 | 0.37373 | 0.00000 | 602892.1 | 381411.9 | 0.0 | S |
| 74.542 | 0.0000 | 0.0000 | 82.679 | 0.37369 | 0.00000 | 602892.1 | 381423.1 | 0.0 | S |
| 74.550 | 0.0000 | 0.0000 | 82.679 | 0.37365 | 0.00000 | 602892.1 | 381434.3 | 0.0 | S |
| 74.558 | 0.0000 | 0.0000 | 82.679 | 0.37361 | 0.00000 | 602892.1 | 381445.5 | 0.0 | S |
| 74.567 | 0.0000 | 0.0000 | 82.679 | 0.37357 | 0.00000 | 602892.1 | 381456.7 | 0.0 | S |
| 74.575 | 0.0000 | 0.0000 | 82.678 | 0.37352 | 0.00000 | 602892.1 | 381467.9 | 0.0 | S |
| 74.583 | 0.0000 | 0.0000 | 82.678 | 0.37348 | 0.00000 | 602892.1 | 381479.1 | 0.0 | S |
| 74.592 | 0.0000 | 0.0000 | 82.678 | 0.37344 | 0.00000 | 602892.1 | 381490.3 | 0.0 | S |
| 74.600 | 0.0000 | 0.0000 | 82.678 | 0.37340 | 0.00000 | 602892.1 | 381501.5 | 0.0 | S |
| 74.608 | 0.0000 | 0.0000 | 82.678 | 0.37336 | 0.00000 | 602892.1 | 381512.7 | 0.0 | S |

PONDS Version 3.2.0207

# Retention Pond Recovery - Refined Method <br> Copyright 2003 

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario $1::$ pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate (ft ${ }^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infittration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 74.617 | 0.0000 | 0.0000 | 82.678 | 0.37332 | 0.00000 | 602892.1 | 381523.9 | 0.0 | S |
| 74.625 | 0.0000 | 0.0000 | 82.677 | 0.37328 | 0.00000 | 602892.1 | 381535.1 | 0.0 | S |
| 74.633 | 0.0000 | 0.0000 | 82.677 | 0.37324 | 0.00000 | 602892.1 | 381546.3 | 0.0 | S |
| 74.642 | 0.0000 | 0.0000 | 82.677 | 0.37319 | 0.00000 | 602892.1 | 381557.5 | 0.0 | S |
| 74.650 | 0.0000 | 0.0000 | 82.677 | 0.37315 | 0.00000 | 602892.1 | 381568.7 | 0.0 | S |
| 74.658 | 0.0000 | 0.0000 | 82.677 | 0.37311 | 0.00000 | 602892.1 | 381579.9 | 0.0 | S |
| 74.667 | 0.0000 | 0.0000 | 82.676 | 0.37307 | 0.00000 | 602892.1 | 381591.1 | 0.0 | S |
| 74.675 | 0.0000 | 0.0000 | 82.676 | 0.37303 | 0.00000 | 602892.1 | 381602.3 | 0.0 | S |
| 74.683 | 0.0000 | 0.0000 | 82.676 | 0.37299 | 0.00000 | 602892.1 | 381613.5 | 0.0 | S |
| 74.692 | 0.0000 | 0.0000 | 82.676 | 0.37295 | 0.00000 | 602892.1 | 381624.7 | 0.0 | S |
| 74.700 | 0.0000 | 0.0000 | 82.676 | 0.37291 | 0.00000 | 602892.1 | 381635.8 | 0.0 | S |
| 74.708 | 0.0000 | 0.0000 | 82.676 | 0.37287 | 0.00000 | 602892.1 | 381647.0 | 0.0 | S |
| 74.717 | 0.0000 | 0.0000 | 82.675 | 0.37282 | 0.00000 | 602892.1 | 381658.2 | 0.0 | S |
| 74.725 | 0.0000 | 0.0000 | 82.675 | 0.37278 | 0.00000 | 602892.1 | 381669.4 | 0.0 | S |
| 74.733 | 0.0000 | 0.0000 | 82.675 | 0.37274 | 0.00000 | 602892.1 | 381680.6 | 0.0 | S |
| 74.742 | 0.0000 | 0.0000 | 82.675 | 0.37270 | 0.00000 | 602892.1 | 381691.8 | 0.0 | S |
| 74.750 | 0.0000 | 0.0000 | 82.675 | 0.37266 | 0.00000 | 602892.1 | 381703.0 | 0.0 | S |
| 74.758 | 0.0000 | 0.0000 | 82.674 | 0.37262 | 0.00000 | 602892.1 | 381714.1 | 0.0 | S |
| 74.767 | 0.0000 | 0.0000 | 82.674 | 0.37258 | 0.00000 | 602892.1 | 381725.3 | 0.0 | S |
| 74.775 | 0.0000 | 0.0000 | 82.674 | 0.37254 | 0.00000 | 602892.1 | 381736.5 | 0.0 | S |
| 74.783 | 0.0000 | 0.0000 | 82.674 | 0.37250 | 0.00000 | 602892.1 | 381747.7 | 0.0 | S |
| 74.792 | 0.0000 | 0.0000 | 82.674 | 0.37245 | 0.00000 | 602892.1 | 381758.8 | 0.0 | S |
| 74.800 | 0.0000 | 0.0000 | 82.674 | 0.37241 | 0.00000 | 602892.1 | 381770.0 | 0.0 | S |
| 74.808 | 0.0000 | 0.0000 | 82.673 | 0.37237 | 0.00000 | 602892.1 | 381781.2 | 0.0 | S |
| 74.817 | 0.0000 | 0.0000 | 82.673 | 0.37233 | 0.00000 | 602892.1 | 381792.3 | 0.0 | S |
| 74.825 | 0.0000 | 0.0000 | 82.673 | 0.37229 | 0.00000 | 602892.1 | 381803.5 | 0.0 | S |
| 74.833 | 0.0000 | 0.0000 | 82.673 | 0.37225 | 0.00000 | 602892.1 | 381814.7 | 0.0 | S |
| 74.842 | 0.0000 | 0.0000 | 82.673 | 0.37221 | 0.00000 | 602892.1 | 381825.9 | 0.0 | S |
| 74.850 | 0.0000 | 0.0000 | 82.672 | 0.37217 | 0.00000 | 602892.1 | 381837.0 | 0.0 | S |
| 74.858 | 0.0000 | 0.0000 | 82.672 | 0.37213 | 0.00000 | 602892.1 | 381848.2 | 0.0 | S |
| 74.867 | 0.0000 | 0.0000 | 82.672 | 0.37209 | 0.00000 | 602892.1 | 381859.3 | 0.0 | S |
| 74.875 | 0.0000 | 0.0000 | 82.672 | 0.37204 | 0.00000 | 602892.1 | 381870.5 | 0.0 | S |
| 74.883 | 0.0000 | 0.0000 | 82.672 | 0.37200 | 0.00000 | 602892.1 | 381881.7 | 0.0 | S |
| 74.892 | 0.0000 | 0.0000 | 82.672 | 0.37196 | 0.00000 | 602892.1 | 381892.8 | 0.0 | S |
| 74.900 | 0.0000 | 0.0000 | 82.671 | 0.37192 | 0.00000 | 602892.1 | 381904.0 | 0.0 | S |
| 74.908 | 0.0000 | 0.0000 | 82.671 | 0.37188 | 0.00000 | 602892.1 | 381915.2 | 0.0 | S |
| 74.917 | 0.0000 | 0.0000 | 82.671 | 0.37184 | 0.00000 | 602892.1 | 381926.3 | 0.0 | S |
| 74.925 | 0.0000 | 0.0000 | 82.671 | 0.37180 | 0.00000 | 602892.1 | 381937.5 | 0.0 | S |
| 74.933 | 0.0000 | 0.0000 | 82.671 | 0.37176 | 0.00000 | 602892.1 | 381948.6 | 0.0 | S |
| 74.942 | 0.0000 | 0.0000 | 82.670 | 0.37172 | 0.00000 | 602892.1 | 381959.8 | 0.0 | S |
| 74.950 | 0.0000 | 0.0000 | 82.670 | 0.37168 | 0.00000 | 602892.1 | 381970.9 | 0.0 | S |
| 74.958 | 0.0000 | 0.0000 | 82.670 | 0.37164 | 0.00000 | 602892.1 | 381982.1 | 0.0 | S |
| 74.967 | 0.0000 | 0.0000 | 82.670 | 0.37159 | 0.00000 | 602892.1 | 381993.2 | 0.0 | S |
| 74.975 | 0.0000 | 0.0000 | 82.670 | 0.37155 | 0.00000 | 602892.1 | 382004.4 | 0.0 | S |
| 74.983 | 0.0000 | 0.0000 | 82.670 | 0.37151 | 0.00000 | 602892.1 | 382015.5 | 0.0 | S |
| 74.992 | 0.0000 | 0.0000 | 82.669 | 0.37147 | 0.00000 | 602892.1 | 382026.7 | 0.0 | S |
| 75.000 | 0.0000 | 0.0000 | 82.669 | 0.37143 | 0.00000 | 602892.1 | 382037.8 | 0.0 | S |
| 75.008 | 0.0000 | 0.0000 | 82.669 | 0.37139 | 0.00000 | 602892.1 | 382048.9 | 0.0 | S |
| 75.017 | 0.0000 | 0.0000 | 82.669 | 0.37135 | 0.00000 | 602892.1 | 382060.1 | 0.0 | S |
| 75.025 | 0.0000 | 0.0000 | 82.669 | 0.37131 | 0.00000 | 602892.1 | 382071.2 | 0.0 | S |
| 75.033 | 0.0000 | 0.0000 | 82.668 | 0.37127 | 0.00000 | 602892.1 | 382082.4 | 0.0 | S |
| 75.042 | 0.0000 | 0.0000 | 82.668 | 0.37123 | 0.00000 | 602892.1 | 382093.5 | 0.0 | S |
| 75.050 | 0.0000 | 0.0000 | 82.668 | 0.37119 | 0.00000 | 602892.1 | 382104.6 | 0.0 | S |
| 75.058 | 0.0000 | 0.0000 | 82.668 | 0.37115 | 0.00000 | 602892.1 | 382115.8 | 0.0 | S |
| 75.067 | 0.0000 | 0.0000 | 82.668 | 0.37110 | 0.00000 | 602892.1 | 382126.9 | 0.0 | S |
| 75.075 | 0.0000 | 0.0000 | 82.668 | 0.37106 | 0.00000 | 602892.1 | 382138.0 | 0.0 | S |
| 75.083 | 0.0000 | 0.0000 | 82.667 | 0.37102 | 0.00000 | 602892.1 | 382149.2 | 0.0 | S |
| 75.092 | 0.0000 | 0.0000 | 82.667 | 0.37098 | 0.00000 | 602892.1 | 382160.3 | 0.0 | S |
| 75.100 | 0.0000 | 0.0000 | 82.667 | 0.37094 | 0.00000 | 602892.1 | 382171.4 | 0.0 | S |
| 75.108 | 0.0000 | 0.0000 | 82.667 | 0.37090 | 0.00000 | 602892.1 | 382182.6 | 0.0 | S |
| 75.117 | 0.0000 | 0.0000 | 82.667 | 0.37086 | 0.00000 | 602892.1 | 382193.7 | 0.0 | S |
| 75.125 | 0.0000 | 0.0000 | 82.666 | 0.37082 | 0.00000 | 602892.1 | 382204.8 | 0.0 | S |
| 75.133 | 0.0000 | 0.0000 | 82.666 | 0.37078 | 0.00000 | 602892.1 | 382215.9 | 0.0 | S |
| 75.142 | 0.0000 | 0.0000 | 82.666 | 0.37074 | 0.00000 | 602892.1 | 382227.1 | 0.0 | S |
| 75.150 | 0.0000 | 0.0000 | 82.666 | 0.37070 | 0.00000 | 602892.1 | 382238.2 | 0.0 | S |
| 75.158 | 0.0000 | 0.0000 | 82.666 | 0.37066 | 0.00000 | 602892.1 | 382249.3 | 0.0 | S |
| 75.167 | 0.0000 | 0.0000 | 82.666 | 0.37062 | 0.00000 | 602892.1 | 382260.4 | 0.0 | S |
| 75.175 | 0.0000 | 0.0000 | 82.665 | 0.37058 | 0.00000 | 602892.1 | 382271.5 | 0.0 | S |
| 75.183 | 0.0000 | 0.0000 | 82.665 | 0.37054 | 0.00000 | 602892.1 | 382282.7 | 0.0 | S |
| 75.192 | 0.0000 | 0.0000 | 82.665 | 0.37049 | 0.00000 | 602892.1 | 382293.8 | 0.0 | S |
| 75.200 | 0.0000 | 0.0000 | 82.665 | 0.37045 | 0.00000 | 602892.1 | 382304.9 | 0.0 | S |
| 75.208 | 0.0000 | 0.0000 | 82.665 | 0.37041 | 0.00000 | 602892.1 | 382316.0 | 0.0 | S |
| 75.217 | 0.0000 | 0.0000 | 82.664 | 0.37037 | 0.00000 | 602892.1 | 382327.1 | 0.0 | S |
| 75.225 | 0.0000 | 0.0000 | 82.664 | 0.37033 | 0.00000 | 602892.1 | 382338.2 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (fl datum) | infiltration Rate ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{n}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 75.233 | 0.0000 | 0.0000 | 82.664 | 0.37029 | 0.00000 | 602892.1 | 382349.3 | 0.0 | S |
| 75.242 | 0.0000 | 0.0000 | 82.664 | 0.37025 | 0.00000 | 602892.1 | 382360.4 | 0.0 | S |
| 75.250 | 0.0000 | 0.0000 | 82.664 | 0.37021 | 0.00000 | 602892.1 | 382371.5 | 0.0 | S |
| 75.258 | 0.0000 | 0.0000 | 82.664 | 0.37017 | 0.00000 | 602892.1 | 382382.7 | 0.0 | S |
| 75.267 | 0.0000 | 0.0000 | 82.663 | 0.37013 | 0.00000 | 602892.1 | 382393.8 | 0.0 | S |
| 75.275 | 0.0000 | 0.0000 | 82.663 | 0.37009 | 0.00000 | 602892.1 | 382404.8 | 0.0 | S |
| 75.283 | 0.0000 | 0.0000 | 82.663 | 0.37005 | 0.00000 | 602892.1 | 382415.9 | 0.0 | S |
| 75.292 | 0.0000 | 0.0000 | 82.663 | 0.37001 | 0.00000 | 602892.1 | 382427.1 | 0.0 | S |
| 75.300 | 0.0000 | 0.0000 | 82.663 | 0.36997 | 0.00000 | 602892.1 | 382438.2 | 0.0 | S |
| 75.308 | 0.0000 | 0.0000 | 82.663 | 0.36993 | 0.00000 | 602892.1 | 382449.3 | 0.0 | S |
| 75.317 | 0.0000 | 0.0000 | 82.662 | 0.36989 | 0.00000 | 602892.1 | 382460.3 | 0.0 | S |
| 75.325 | 0.0000 | 0.0000 | 82.662 | 0.36985 | 0.00000 | 602892.1 | 382471.4 | 0.0 | S |
| 75.333 | 0.0000 | 0.0000 | 82.662 | 0.36981 | 0.00000 | 602892.1 | 382482.5 | 0.0 | S |
| 75.342 | 0.0000 | 0.0000 | 82.662 | 0.36977 | 0.00000 | 602892.1 | 382493.6 | 0.0 | S |
| 75.350 | 0.0000 | 0.0000 | 82.662 | 0.36973 | 0.00000 | 602892.1 | 382504.7 | 0.0 | S |
| 75.358 | 0.0000 | 0.0000 | 82.661 | 0.36968 | 0.00000 | 602892.1 | 382515.8 | 0.0 | S |
| 75.367 | 0.0000 | 0.0000 | 82.661 | 0.36964 | 0.00000 | 602892.1 | 382526.9 | 0.0 | S |
| 75.375 | 0.0000 | 0.0000 | 82.661 | 0.36960 | 0.00000 | 602892.1 | 382538.0 | 0.0 | S |
| 75.383 | 0.0000 | 0.0000 | 82.661 | 0.36956 | 0.00000 | 602892.1 | 382549.1 | 0.0 | S |
| 75.392 | 0.0000 | 0.0000 | 82.661 | 0.36952 | 0.00000 | 602892.1 | 382560.2 | 0.0 | S |
| 75.400 | 0.0000 | 0.0000 | 82.661 | 0.36948 | 0.00000 | 602892.1 | 382571.3 | 0.0 | S |
| 75.408 | 0.0000 | 0.0000 | 82.660 | 0.36944 | 0.00000 | 602892.1 | 382582.3 | 0.0 | S |
| 75.417 | 0.0000 | 0.0000 | 82.660 | 0.36940 | 0.00000 | 602892.1 | 382593.4 | 0.0 | S |
| 75.425 | 0.0000 | 0.0000 | 82.660 | 0.36936 | 0.00000 | 602892.1 | 382604.5 | 0.0 | S |
| 75.433 | 0.0000 | 0.0000 | 82.660 | 0.36932 | 0.00000 | 602892.1 | 382615.6 | 0.0 | S |
| 75.442 | 0.0000 | 0.0000 | 82.660 | 0.36928 | 0.00000 | 602892.1 | 382626.7 | 0.0 | S |
| 75.450 | 0.0000 | 0.0000 | 82.659 | 0.36924 | 0.00000 | 602892.1 | 382637.8 | 0.0 | S |
| 75.458 | 0.0000 | 0.0000 | 82.659 | 0.36920 | 0.00000 | 602892.1 | 382648.8 | 0.0 | S |
| 75.467 | 0.0000 | 0.0000 | 82.659 | 0.36916 | 0.00000 | 602892.1 | 382659.9 | 0.0 | S |
| 75.475 | 0.0000 | 0.0000 | 82.659 | 0.36912 | 0.00000 | 602892.1 | 382671.0 | 0.0 | S |
| 75.483 | 0.0000 | 0.0000 | 82.659 | 0.36908 | 0.00000 | 602892.1 | 382682.0 | 0.0 | S |
| 75.492 | 0.0000 | 0.0000 | 82.659 | 0.36904 | 0.00000 | 602892.1 | 382693.1 | 0.0 | S |
| 75.500 | 0.0000 | 0.0000 | 82.658 | 0.36900 | 0.00000 | 602892.1 | 382704.2 | 0.0 | S |
| 75.508 | 0.0000 | 0.0000 | 82.658 | 0.36896 | 0.00000 | 602892.1 | 382715.3 | 0.0 | S |
| 75.517 | 0.0000 | 0.0000 | 82.658 | 0.36892 | 0.00000 | 602892.1 | 382726.3 | 0.0 | S |
| 75.525 | 0.0000 | 0.0000 | 82.658 | 0.36888 | 0.00000 | 602892.1 | 382737.4 | 0.0 | S |
| 75.533 | 0.0000 | 0.0000 | 82.658 | 0.36884 | 0.00000 | 602892.1 | 382748.4 | 0.0 | S |
| 75.542 | 0.0000 | 0.0000 | 82.657 | 0.36880 | 0.00000 | 602892.1 | 382759.5 | 0.0 | S |
| 75.550 | 0.0000 | 0.0000 | 82.657 | 0.36876 | 0.00000 | 602892.1 | 382770.6 | 0.0 | S |
| 75.558 | 0.0000 | 0.0000 | 82.657 | 0.36872 | 0.00000 | 602892.1 | 382781.6 | 0.0 | S |
| 75.567 | 0.0000 | 0.0000 | 82.657 | 0.36868 | 0.00000 | 602892.1 | 382792.7 | 0.0 | S |
| 75.575 | 0.0000 | 0.0000 | 82.657 | 0.36864 | 0.00000 | 602892.1 | 382803.8 | 0.0 | S |
| 75.583 | 0.0000 | 0.0000 | 82.657 | 0.36860 | 0.00000 | 602892.1 | 382814.8 | 0.0 | S |
| 75.592 | 0.0000 | 0.0000 | 82.656 | 0.36856 | 0.00000 | 602892.1 | 382825.9 | 0.0 | S |
| 75.600 | 0.0000 | 0.0000 | 82.656 | 0.36852 | 0.00000 | 602892.1 | 382836.9 | 0.0 | S |
| 75.608 | 0.0000 | 0.0000 | 82.656 | 0.36848 | 0.00000 | 602892.1 | 382848.0 | 0.0 | S |
| 75.617 | 0.0000 | 0.0000 | 82.656 | 0.36844 | 0.00000 | 602892.1 | 382859.0 | 0.0 | S |
| 75.625 | 0.0000 | 0.0000 | 82.656 | 0.36840 | 0.00000 | 602892.1 | 382870.1 | 0.0 | S |
| 75.633 | 0.0000 | 0.0000 | 82.655 | 0.36836 | 0.00000 | 602892.1 | 382881.2 | 0.0 | S |
| 75.642 | 0.0000 | 0.0000 | 82.655 | 0.36832 | 0.00000 | 602892.1 | 382892.2 | 0.0 | S |
| 75.650 | 0.0000 | 0.0000 | 82.655 | 0.36828 | 0.00000 | 602892.1 | 382903.3 | 0.0 | S |
| 75.658 | 0.0000 | 0.0000 | 82.655 | 0.36824 | 0.00000 | 602892.1 | 382914.3 | 0.0 | S |
| 75.667 | 0.0000 | 0.0000 | 82.655 | 0.36820 | 0.00000 | 602892.1 | 382925.3 | 0.0 | S |
| 75.675 | 0.0000 | 0.0000 | 82.655 | 0.36816 | 0.00000 | 602892.1 | 382936.4 | 0.0 | S |
| 75.683 | 0.0000 | 0.0000 | 82.654 | 0.36812 | 0.00000 | 602892.1 | 382947.4 | 0.0 | S |
| 75.692 | 0.0000 | 0.0000 | 82.654 | 0.36808 | 0.00000 | 602892.1 | 382958.5 | 0.0 | S |
| 75.700 | 0.0000 | 0.0000 | 82.654 | 0.36804 | 0.00000 | 602892.1 | 382969.5 | 0.0 | S |
| 75.708 | 0.0000 | 0.0000 | 82.654 | 0.36800 | 0.00000 | 602892.1 | 382980.6 | 0.0 | S |
| 75.717 | 0.0000 | 0.0000 | 82.654 | 0.36796 | 0.00000 | 602892.1 | 382991.6 | 0.0 | S |
| 75.725 | 0.0000 | 0.0000 | 82.654 | 0.36792 | 0.00000 | 602892.1 | 383002.6 | 0.0 | S |
| 75.733 | 0.0000 | 0.0000 | 82.653 | 0.36788 | 0.00000 | 602892.1 | 383013.7 | 0.0 | S |
| 75.742 | 0,0000 | 0.0000 | 82.653 | 0.36784 | 0.00000 | 602892.1 | 383024.7 | 0.0 | S |
| 75.750 | 0.0000 | 0.0000 | 82.653 | 0.36780 | 0.00000 | 602892.1 | 383035.8 | 0.0 | S |
| 75.758 | 0.0000 | 0.0000 | 82.653 | 0.36776 | 0.00000 | 602892.1 | 383046.8 | 0.0 | S |
| 75.767 | 0.0000 | 0.0000 | 82.653 | 0.36772 | 0.00000 | 602892.1 | 383057.8 | 0.0 | S |
| 75.775 | 0.0000 | 0.0000 | 82.652 | 0.36768 | 0.00000 | 602892.1 | 383068.8 | 0.0 | S |
| 75.783 | 0.0000 | 0.0000 | 82.652 | 0.36764 | 0.00000 | 602892.1 | 383079.9 | 0.0 | S |
| 75.792 | 0.0000 | 0.0000 | 82.652 | 0.36760 | 0.00000 | 602892.1 | 383090.9 | 0.0 | S |
| 75.800 | 0.0000 | 0.0000 | 82.652 | 0.36756 | 0.00000 | 602892.1 | 383101.9 | 0.0 | S |
| 75.808 | 0.0000 | 0.0000 | 82.652 | 0.36752 | 0.00000 | 602892.1 | 383112.9 | 0.0 | S |
| 75.817 | 0.0000 | 0.0000 | 82.652 | 0.36748 | 0.00000 | 602892.1 | 383124.0 | 0.0 | S |
| 75.825 | 0.0000 | 0.0000 | 82.651 | 0.36744 | 0.00000 | 602892.1 | 383135.0 | 0.0 | S |
| 75.833 | 0.0000 | 0.0000 | 82.651 | 0.36740 | 0.00000 | 602892.1 | 383146.0 | 0.0 | S |
| 75.842 | 0.0000 | 0.0000 | 82.651 | 0.36736 | 0.00000 | 602892.1 | 383157.0 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario $1::$ pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | infiltration Rate ( $\mathrm{ff}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume $\left(t^{3}\right)$ | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 75.850 | 0.0000 | 0.0000 | 82.651 | 0.36732 | 0.00000 | 602892.1 | 383168.1 | 0.0 | S |
| 75.858 | 0.0000 | 0.0000 | 82.651 | 0.36728 | 0.00000 | 602892.1 | 383179.1 | 0.0 | S |
| 75.867 | 0.0000 | 0.0000 | 82.650 | 0.36724 | 0.00000 | 602892.1 | 383190.1 | 0.0 | S |
| 75.875 | 0.0000 | 0.0000 | 82.650 | 0.36720 | 0.00000 | 602892.1 | 383201.1 | 0.0 | S |
| 75.883 | 0.0000 | 0.0000 | 82.650 | 0.36716 | 0.00000 | 602892.1 | 383212.1 | 0.0 | S |
| 75.892 | 0.0000 | 0.0000 | 82.650 | 0.36712 | 0.00000 | 602892.1 | 383223.1 | 0.0 | S |
| 75.900 | 0.0000 | 0.0000 | 82.650 | 0.36708 | 0.00000 | 602892.1 | 383234.2 | 0.0 | S |
| 75.908 | 0.0000 | 0.0000 | 82.650 | 0.36704 | 0.00000 | 602892.1 | 383245.2 | 0.0 | S |
| 75.917 | 0.0000 | 0.0000 | 82.649 | 0.36700 | 0.00000 | 602892.1 | 383256.2 | 0.0 | S |
| 75.925 | 0.0000 | 0.0000 | 82.649 | 0.36696 | 0.00000 | 602892.1 | 383267.2 | 0.0 | S |
| 75.933 | 0.0000 | 0.0000 | 82.649 | 0.36692 | 0.00000 | 602892.1 | 383278.2 | 0.0 | S |
| 75.942 | 0.0000 | 0.0000 | 82.649 | 0.36688 | 0.00000 | 602892.1 | 383289.2 | 0.0 | S |
| 75.950 | 0.0000 | 0.0000 | 82.649 | 0.36684 | 0.00000 | 602892.1 | 383300.2 | 0.0 | S |
| 75.958 | 0.0000 | 0.0000 | 82.648 | 0.36680 | 0.00000 | 602892.1 | 383311.2 | 0.0 | S |
| 75.967 | 0.0000 | 0.0000 | 82.648 | 0.36676 | 0.00000 | 602892.1 | 383322.2 | 0.0 | S |
| 75.975 | 0.0000 | 0.0000 | 82.648 | 0.36672 | 0.00000 | 602892.1 | 383333.2 | 0.0 | S |
| 75.983 | 0.0000 | 0.0000 | 82.648 | 0.36668 | 0.00000 | 602892.1 | 383344.2 | 0.0 | S |
| 75.992 | 0.0000 | 0.0000 | 82.648 | 0.36664 | 0.00000 | 602892.1 | 383355.2 | 0.0 | S |
| 76.000 | 0.0000 | 0.0000 | 82.648 | 0.36660 | 0.00000 | 602892.1 | 383366.2 | 0.0 | S |
| 76.008 | 0.0000 | 0.0000 | 82.647 | 0.36656 | 0.00000 | 602892.1 | 383377.2 | 0.0 | S |
| 76.017 | 0.0000 | 0.0000 | 82.647 | 0.36652 | 0.00000 | 602892.1 | 383388.2 | 0.0 | S |
| 76.025 | 0.0000 | 0.0000 | 82.647 | 0.36648 | 0.00000 | 602892.1 | 383399.2 | 0.0 | S |
| 76.033 | 0.0000 | 0.0000 | 82.647 | 0.36644 | 0.00000 | 602892.1 | 383410.2 | 0.0 | S |
| 76.042 | 0.0000 | 0.0000 | 82.647 | 0.36640 | 0.00000 | 602892.1 | 383421.2 | 0.0 | S |
| 76.050 | 0.0000 | 0.0000 | 82.647 | 0.36636 | 0.00000 | 602892.1 | 383432.2 | 0.0 | S |
| 76.058 | 0.0000 | 0.0000 | 82.646 | 0.36632 | 0.00000 | 602892.1 | 383443.2 | 0.0 | S |
| 76.067 | 0.0000 | 0.0000 | 82.646 | 0.36628 | 0.00000 | 602892.1 | 383454.2 | 0.0 | S |
| 76.075 | 0.0000 | 0.0000 | 82.646 | 0.36624 | 0.00000 | 602892.1 | 383465.2 | 0.0 | S |
| 76.083 | 0.0000 | 0.0000 | 82.646 | 0.36620 | 0.00000 | 602892.1 | 383476.1 | 0.0 | S |
| 76.092 | 0.0000 | 0.0000 | 82.646 | 0.36616 | 0.00000 | 602892.1 | 383487.1 | 0.0 | S |
| 76.100 | 0.0000 | 0.0000 | 82.645 | 0.36612 | 0.00000 | 602892.1 | 383498.1 | 0.0 | S |
| 76.108 | 0.0000 | 0.0000 | 82.645 | 0.36608 | 0.00000 | 602892.1 | 383509.1 | 0.0 | S |
| 76.117 | 0.0000 | 0.0000 | 82.645 | 0.36604 | 0.00000 | 602892.1 | 383520.1 | 0.0 | S |
| 76.125 | 0.0000 | 0.0000 | 82.645 | 0.36600 | 0.00000 | 602892.1 | 383531.1 | 0.0 | S |
| 76.133 | 0.0000 | 0.0000 | 82.645 | 0.36597 | 0.00000 | 602892.1 | 383542.0 | 0.0 | S |
| 76.142 | 0.0000 | 0.0000 | 82.645 | 0.36593 | 0.00000 | 602892.1 | 383553.0 | 0.0 | S |
| 76.150 | 0.0000 | 0.0000 | 82.644 | 0.36589 | 0.00000 | 602892.1 | 383564.0 | 0.0 | S |
| 76.158 | 0.0000 | 0.0000 | 82.644 | 0.36585 | 0.00000 | 602892.1 | 383575.0 | 0.0 | S |
| 76.167 | 0.0000 | 0.0000 | 82.644 | 0.36581 | 0.00000 | 602892.1 | 383585.9 | 0.0 | S |
| 76.175 | 0.0000 | 0.0000 | 82.644 | 0.36577 | 0.00000 | 602892.1 | 383596.9 | 0.0 | S |
| 76.183 | 0.0000 | 0.0000 | 82.644 | 0.36573 | 0.00000 | 602892.1 | 383607.9 | 0.0 | S |
| 76.192 | 0.0000 | 0.0000 | 82.643 | 0.36569 | 0.00000 | 602892.1 | 383618.8 | 0.0 | S |
| 76.200 | 0.0000 | 0.0000 | 82.643 | 0.36565 | 0.00000 | 602892.1 | 383629.8 | 0.0 | S |
| 76.208 | 0.0000 | 0.0000 | 82.643 | 0.36561 | 0.00000 | 602892.1 | 383640.8 | 0.0 | S |
| 76.217 | 0.0000 | 0.0000 | 82.643 | 0.36557 | 0.00000 | 602892.1 | 383651.8 | 0.0 | S |
| 76.225 | 0.0000 | 0.0000 | 82.643 | 0.36553 | 0.00000 | 602892.1 | 383662.7 | 0.0 | S |
| 76.233 | 0.0000 | 0.0000 | 82.643 | 0.36549 | 0.00000 | 602892.1 | 383673.7 | 0.0 | S |
| 76.242 | 0.0000 | 0.0000 | 82.642 | 0.36545 | 0.00000 | 602892.1 | 383684.7 | 0.0 | S |
| 76.250 | 0.0000 | 0.0000 | 82.642 | 0.36541 | 0.00000 | 602892.1 | 383695.6 | 0.0 | S |
| 76.258 | 0.0000 | 0.0000 | 82.642 | 0.36537 | 0.00000 | 602892.1 | 383706.6 | 0.0 | S |
| 76.267 | 0.0000 | 0.0000 | 82.642 | 0.36533 | 0.00000 | 602892.1 | 383717.5 | 0.0 | S |
| 76.275 | 0.0000 | 0.0000 | 82.642 | 0.36529 | 0.00000 | 602892.1 | 383728.5 | 0.0 | S |
| 76.283 | 0.0000 | 0.0000 | 82.641 | 0.36525 | 0.00000 | 602892.1 | 383739.5 | 0.0 | S |
| 76.292 | 0.0000 | 0.0000 | 82.641 | 0.36521 | 0.00000 | 602892.1 | 383750.4 | 0.0 | S |
| 76.300 | 0.0000 | 0.0000 | 82.641 | 0.36518 | 0.00000 | 602892.1 | 383761.4 | 0.0 | S |
| 76.308 | 0.0000 | 0.0000 | 82.641 | 0.36514 | 0.00000 | 602892.1 | 383772.3 | 0.0 | S |
| 76.317 | 0.0000 | 0.0000 | 82.641 | 0.36510 | 0.00000 | 602892.1 | 383783.3 | 0.0 | S |
| 76.325 | 0.0000 | 0.0000 | 82.641 | 0.36506 | 0.00000 | 602892.1 | 383794.2 | 0.0 | S |
| 76.333 | 0.0000 | 0.0000 | 82.640 | 0.36502 | 0.00000 | 602892.1 | 383805.2 | 0.0 | S |
| 76.342 | 0.0000 | 0.0000 | 82.640 | 0.36498 | 0.00000 | 602892.1 | 383816.1 | 0.0 | S |
| 76.350 | 0.0000 | 0.0000 | 82.640 | 0.36494 | 0.00000 | 602892.1 | 383827.1 | 0.0 | S |
| 76.358 | 0.0000 | 0.0000 | 82.640 | 0.36490 | 0.00000 | 602892.1 | 383838.0 | 0.0 | S |
| 76.367 | 0.0000 | 0.0000 | 82.640 | 0.36486 | 0.00000 | 602892.1 | 383849.0 | 0.0 | S |
| 76.375 | 0.0000 | 0.0000 | 82.640 | 0.36482 | 0.00000 | 602892.1 | 383859.9 | 0.0 | S |
| 76.383 | 0.0000 | 0.0000 | 82.639 | 0.36478 | 0.00000 | 602892.1 | 383870.9 | 0.0 | S |
| 76.392 | 0.0000 | 0.0000 | 82.639 | 0.36474 | 0.00000 | 602892.1 | 383881.8 | 0.0 | S |
| 76.400 | 0.0000 | 0.0000 | 82.639 | 0.36470 | 0.00000 | 602892.1 | 383892.8 | 0.0 | S |
| 76.408 | 0.0000 | 0.0000 | 82.639 | 0.36466 | 0.00000 | 602892.1 | 383903.7 | 0.0 | S |
| 76.417 | 0.0000 | 0.0000 | 82.639 | 0.36462 | 0.00000 | 602892.1 | 383914.6 | 0.0 | S |
| 76.425 | 0.0000 | 0.0000 | 82.638 | 0.36459 | 0.00000 | 602892.1 | 383925.6 | 0.0 | S |
| 76.433 | 0.0000 | 0.0000 | 82.638 | 0.36455 | 0.00000 | 602892.1 | 383936.5 | 0.0 | S |
| 76.442 | 0.0000 | 0.0000 | 82.638 | 0.36451 | 0.00000 | 602892.1 | 383947.4 | 0.0 | S |
| 76.450 | 0.0000 | 0.0000 | 82.638 | 0.36447 | 0.00000 | 602892.1 | 383958.4 | 0.0 | S |
| 76.458 | 0.0000 | 0.0000 | 82.638 | 0.36443 | 0.00000 | 602892.1 | 383969.3 | 0.0 | S |

PONDS Version 3.2.0207

# Retention Pond Recovery - Refined Method <br> Copyright 2003 

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{3} / \mathrm{s}$ ) | Outside Recharge (f/day) | Stage Elevation (f datum) | Infitration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{H}^{3 / 5}$ ) | Cumulative Inflow Volume ( $\mathrm{t}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ff}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 76.467 | 0.0000 | 0.0000 | 82.638 | 0.36439 | 0.00000 | 602892.1 | 383980.3 | 0.0 | S |
| 76.475 | 0.0000 | 0.0000 | 82.637 | 0.36435 | 0.00000 | 602892.1 | 383991.2 | 0.0 | S |
| 76.483 | 0.0000 | 0.0000 | 82.637 | 0.36431 | 0.00000 | 602892.1 | 384002.1 | 0.0 | S |
| 76.492 | 0.0000 | 0.0000 | 82.637 | 0.36427 | 0.00000 | 602892.1 | 384013.0 | 0.0 | S |
| 76.500 | 0.0000 | 0.0000 | 82.637 | 0.36423 | 0.00000 | 602892.1 | 384024.0 | 0.0 | S |
| 76.508 | 0.0000 | 0.0000 | 82.637 | 0.36419 | 0.00000 | 602892.1 | 384034.9 | 0.0 | S |
| 76.517 | 0.0000 | 0.0000 | 82.637 | 0.36415 | 0.00000 | 602892.1 | 384045.8 | 0.0 | S |
| 76.525 | 0.0000 | 0.0000 | 82.636 | 0.36411 | 0.00000 | 602892.1 | 384056.7 | 0.0 | S |
| 76.533 | 0.0000 | 0.0000 | 82.636 | 0.36408 | 0.00000 | 602892.1 | 384067.7 | 0.0 | S |
| 76.542 | 0.0000 | 0.0000 | 82.636 | 0.36404 | 0.00000 | 602892.1 | 384078.6 | 0.0 | S |
| 76.550 | 0.0000 | 0.0000 | 82.636 | 0.36400 | 0.00000 | 602892.1 | 384089.5 | 0.0 | S |
| 76.558 | 0.0000 | 0.0000 | 82.636 | 0.36396 | 0.00000 | 602892.1 | 384100.4 | 0.0 | S |
| 76.567 | 0.0000 | 0.0000 | 82.635 | 0.36392 | 0.00000 | 602892.1 | 384111.3 | 0.0 | S |
| 76.575 | 0.0000 | 0.0000 | 82.635 | 0.36388 | 0.00000 | 602892.1 | 384122.3 | 0.0 | S |
| 76.583 | 0.0000 | 0.0000 | 82.635 | 0.36384 | 0.00000 | 602892.1 | 384133.2 | 0.0 | S |
| 76.592 | 0.0000 | 0.0000 | 82.635 | 0.36380 | 0.00000 | 602892.1 | 384144.1 | 0.0 | S |
| 76.600 | 0.0000 | 0.0000 | 82.635 | 0.36376 | 0.00000 | 602892.1 | 384155.0 | 0.0 | S |
| 76.608 | 0.0000 | 0.0000 | 82.635 | 0.36372 | 0.00000 | 602892.1 | 384165.9 | 0.0 | S |
| 76.617 | 0.0000 | 0.0000 | 82.634 | 0.36368 | 0.00000 | 602892.1 | 384176.8 | 0.0 | S |
| 76.625 | 0.0000 | 0.0000 | 82.634 | 0.36364 | 0.00000 | 602892.1 | 384187.7 | 0.0 | S |
| 76.633 | 0.0000 | 0.0000 | 82.634 | 0.36361 | 0.00000 | 602892.1 | 384198.6 | 0.0 | S |
| 76.642 | 0.0000 | 0.0000 | 82.634 | 0.36357 | 0.00000 | 602892.1 | 384209.5 | 0.0 | S |
| 76.650 | 0.0000 | 0.0000 | 82.634 | 0.36353 | 0.00000 | 602892.1 | 384220.4 | 0. | S |
| 76.658 | 0.0000 | 0.0000 | 82.633 | 0.36349 | 0.00000 | 602892.1 | 384231.3 | 0.0 | S |
| 76.667 | 0.0000 | 0.0000 | 82.633 | 0.36345 | 0.00000 | 602892.1 | 384242.3 | 0.0 | S |
| 76.675 | 0.0000 | 0.0000 | 82.633 | 0.36341 | 0.00000 | 602892.1 | 384253.2 | 0.0 | S |
| 76.683 | 0.0000 | 0.0000 | 82.633 | 0.36337 | 0.00000 | 602892.1 | 384264.1 | 0.0 | S |
| 76.692 | 0.0000 | 0.0000 | 82.633 | 0.36333 | 0.00000 | 602892.1 | 384275.0 | 0.0 | S |
| 76.700 | 0.0000 | 0.0000 | 82.633 | 0.36329 | 0.00000 | 602892.1 | 384285.9 | 0.0 | S |
| 76.708 | 0.0000 | 0.0000 | 82.632 | 0.36325 | 0.00000 | 602892.1 | 384296.8 | 0.0 | S |
| 76.717 | 0.0000 | 0.0000 | 82.632 | 0.36322 | 0.00000 | 602892.1 | 384307.7 | 0.0 | S |
| 76.725 | 0.0000 | 0.0000 | 82.632 | 0.36318 | 0.00000 | 602892.1 | 384318.6 | 0.0 | S |
| 76.733 | 0.0000 | 0.0000 | 82.632 | 0.36314 | 0.00000 | 602892.1 | 384329.4 | 0.0 | S |
| 76.742 | 0.0000 | 0.0000 | 82.632 | 0.36310 | 0.00000 | 602892.1 | 384340.3 | 0.0 | S |
| 76.750 | 0.0000 | 0.0000 | 82.632 | 0.36306 | 0.00000 | 602892.1 | 384351.3 | 0.0 | S |
| 76.758 | 0.0000 | 0.0000 | 82.631 | 0.36302 | 0.00000 | 602892.1 | 384362.1 | 0.0 | S |
| 76.767 | 0.0000 | 0.0000 | 82.631 | 0.36298 | 0.00000 | 602892.1 | 384373.0 | 0.0 | S |
| 76.775 | 0.0000 | 0.0000 | 82.631 | 0.36294 | 0.00000 | 602892.1 | 384383.9 | 0.0 | S |
| 76.783 | 0.0000 | 0.0000 | 82.631 | 0.36290 | 0.00000 | 602892.1 | 384394.8 | 0.0 | S |
| 76.792 | 0.0000 | 0.0000 | 82.631 | 0.36287 | 0.00000 | 602892.1 | 384405.7 | 0.0 | S |
| 76.800 | 0.0000 | 0.0000 | 82.630 | 0.36283 | 0.00000 | 602892.1 | 384416.6 | 0.0 | S |
| 76.808 | 0.0000 | 0.0000 | 82.630 | 0.36279 | 0.00000 | 602892.1 | 384427.4 | 0.0 | S |
| 76.817 | 0.0000 | 0.0000 | 82.630 | 0.36275 | 0.00000 | 602892.1 | 384438.3 | 0.0 | S |
| 76.825 | 0.0000 | 0.0000 | 82.630 | 0.36271 | 0.00000 | 602892.1 | 384449.2 | 0.0 | S |
| 76.833 | 0.0000 | 0.0000 | 82.630 | 0.36267 | 0.00000 | 602892.1 | 384460.1 | 0.0 | S |
| 76.842 | 0.0000 | 0.0000 | 82.630 | 0.36263 | 0.00000 | 602892.1 | 384471.0 | 0.0 | S |
| 76.850 | 0.0000 | 0.0000 | 82.629 | 0.36259 | 0.00000 | 602892.1 | 384481.8 | 0.0 | S |
| 76.858 | 0.0000 | 0.0000 | 82.629 | 0.36255 | 0.00000 | 602892.1 | 384492.7 | 0.0 | S |
| 76.867 | 0.0000 | 0.0000 | 82.629 | 0.36252 | 0.00000 | 602892.1 | 384503.6 | 0.0 | S |
| 76.875 | 0.0000 | 0.0000 | 82.629 | 0.36248 | 0.00000 | 602892.1 | 384514.5 | 0.0 | S |
| 76.883 | 0.0000 | 0.0000 | 82.629 | 0.36244 | 0.00000 | 602892.1 | 384525.3 | 0.0 | S |
| 76.892 | 0.0000 | 0.0000 | 82.629 | 0.36240 | 0.00000 | 602892.1 | 384536.2 | 0.0 | S |
| 76.900 | 0.0000 | 0.0000 | 82.628 | 0.36236 | 0.00000 | 602892.1 | 384547.1 | 0.0 | S |
| 76.908 | 0.0000 | 0.0000 | 82.628 | 0.36232 | 0.00000 | 602892.1 | 384558.0 | 0.0 | S |
| 76.917 | 0.0000 | 0.0000 | 82.628 | 0.36228 | 0.00000 | 602892.1 | 384568.8 | 0.0 | S |
| 76.925 | 0.0000 | 0.0000 | 82.628 | 0.36224 | 0.00000 | 602892.1 | 384579.7 | 0.0 | S |
| 76.933 | 0.0000 | 0.0000 | 82.628 | 0.36221 | 0.00000 | 602882.1 | 384590.6 | 0.0 | S |
| 76.942 | 0.0000 | 0.0000 | 82.627 | 0.36217 | 0.00000 | 602892.1 | 384601.4 | 0.0 | S |
| 76.950 | 0.0000 | 0.0000 | 82.627 | 0.36213 | 0.00000 | 602892.1 | 384612.3 | 0.0 | S |
| 76.958 | 0.0000 | 0.0000 | 82.627 | 0.36209 | 0.00000 | 602892.1 | 384623.2 | 0.0 | S |
| 76.967 | 0.0000 | 0.0000 | 82.627 | 0.36205 | 0.00000 | 602892.1 | 384634.0 | 0.0 | S |
| 76.975 | 0.0000 | 0.0000 | 82.627 | 0.36201 | 0.00000 | 602892.1 | 384644.9 | 0.0 | S |
| 76.983 | 0.0000 | 0.0000 | 82.627 | 0.36197 | 0.00000 | 602892, 1 | 384655.8 | 0.0 | S |
| 76.992 | 0.0000 | 0.0000 | 82.626 | 0.36193 | 0.00000 | 602892.1 | 384666.6 | 0.0 | S |
| 77.000 | 0.0000 | 0.0000 | 82.626 | 0.36190 | 0.00000 | 602892.1 | 384677.5 | 0.0 | S |
| 77.008 | 0.0000 | 0.0000 | 82.626 | 0.36186 | 0.00000 | 602892.1 | 384688.3 | 0.0 | S |
| 77.017 | 0.0000 | 0.0000 | 82.626 | 0.36182 | 0.00000 | 602892.1 | 384699.2 | 0.0 | S |
| 77.025 | 0.0000 | 0.0000 | 82.626 | 0.36178 | 0.00000 | 602892.1 | 384710.0 | 0.0 | S |
| 77.033 | 0.0000 | 0.0000 | 82.625 | 0.36174 | 0.00000 | 602892.1 | 384720.9 | 0.0 | S |
| 77.042 | 0.0000 | 0.0000 | 82.625 | 0.36170 | 0.00000 | 602892.1 | 384731.8 | 0.0 | S |
| 77.050 | 0.0000 | 0.0000 | 82.625 | 0.36166 | 0.00000 | 602892.1 | 384742.6 | 0.0 | S |
| 77.058 | 0.0000 | 0.0000 | 82.625 | 0.36162 | 0.00000 | 602892.1 | 384753.4 | 0.0 | S |
| 77.067 | 0.0000 | 0.0000 | 82.625 | 0.36159 | 0.00000 | 602892.1 | 384764.3 | 0.0 | S |
| 77.075 | 0.0000 | 0.0000 | 82.625 | 0.36155 | 0.00000 | 602892.1 | 384775.1 | 0.0 | S |

PONDS Version 3.2.0207

# Retention Pond Recovery - Refined Method Copyright 2003 

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Vofume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 77.083 | 0.0000 | 0.0000 | 82.624 | 0.36151 | 0.00000 | 602892.1 | 384786.0 | 0.0 | S |
| 77.092 | 0.0000 | 0.0000 | 82.624 | 0.36147 | 0.00000 | 602892.1 | 384796.8 | 0.0 | S |
| 77.100 | 0.0000 | 0.0000 | 82.624 | 0.36143 | 0.00000 | 602892.1 | 384807.7 | 0.0 | S |
| 77.108 | 0.0000 | 0.0000 | 82.624 | 0.36139 | 0.00000 | 602892.1 | 384818.5 | 0.0 | S |
| 77.117 | 0.0000 | 0.0000 | 82.624 | 0.36135 | 0.00000 | 602892.1 | 384829.3 | 0.0 | S |
| 77.125 | 0.0000 | 0.0000 | 82.624 | 0.36132 | 0.00000 | 602892.1 | 384840.2 | 0.0 | S |
| 77.133 | 0.0000 | 0.0000 | 82.623 | 0.36128 | 0.00000 | 602892.1 | 384851.0 | 0.0 | S |
| 77.142 | 0.0000 | 0.0000 | 82.623 | 0.36124 | 0.00000 | 602892.1 | 384861.9 | 0.0 | S |
| 77.150 | 0.0000 | 0.0000 | 82.623 | 0.36120 | 0.00000 | 602892.1 | 384872.7 | 0.0 | S |
| 77.158 | 0.0000 | 0.0000 | 62.623 | 0.36116 | 0.00000 | 602892.1 | 384883.5 | 0.0 | S |
| 77.167 | 0.0000 | 0.0000 | 82.623 | 0.36112 | 0.00000 | 602892.1 | 384894.4 | 0.0 | S |
| 77.175 | 0.0000 | 0.0000 | 82.622 | 0.36108 | 0.00000 | 602892.1 | 384905.2 | 0.0 | S |
| 77.183 | 0.0000 | 0.0000 | 82.622 | 0.36105 | 0.00000 | 602892.1 | 384916.0 | 0.0 | S |
| 77.192 | 0.0000 | 0.0000 | 82.622 | 0.36101 | 0.00000 | 602892.1 | 384926.9 | 0.0 | S |
| 77.200 | 0.0000 | 0.0000 | 82.622 | 0.36097 | 0.00000 | 602892.1 | 384937.7 | 0.0 | S |
| 77.208 | 0.0000 | 0.0000 | 82.622 | 0.36093 | 0.00000 | 602892.1 | 384948.5 | 0.0 | S |
| 77.217 | 0.0000 | 0.0000 | 82.622 | 0.36089 | 0.00000 | 602892.1 | 384959.3 | 0.0 | S |
| 77.225 | 0.0000 | 0.0000 | 82.621 | 0.36085 | 0.00000 | 602892.1 | 384970.2 | 0.0 | S |
| 77.233 | 0.0000 | 0.0000 | 82.621 | 0.36082 | 0.00000 | 602892.1 | 384981.0 | 0.0 | S |
| 77.242 | 0.0000 | 0.0000 | 82.621 | 0.36078 | 0.00000 | 602892.1 | 384991.8 | 0.0 | S |
| 77.250 | 0.0000 | 0.0000 | 82.621 | 0.36074 | 0.00000 | 602892.1 | 385002.7 | 0.0 | S |
| 77.258 | 0.0000 | 0.0000 | 82.621 | 0.36070 | 0.00000 | 602892.1 | 385013.5 | 0.0 | S |
| 77.267 | 0.0000 | 0.0000 | 82.621 | 0.36066 | 0.00000 | 602892.1 | 385024.3 | 0.0 | S |
| 77.275 | 0.0000 | 0.0000 | 82.620 | 0.36062 | 0.00000 | 602892.1 | 385035.1 | 0.0 | S |
| 77.283 | 0.0000 | 0.0000 | 82.620 | 0.36058 | 0.00000 | 602892.1 | 385045.9 | 0.0 | S |
| 77.292 | 0.0000 | 0.0000 | 82.620 | 0.36055 | 0.00000 | 602892.1 | 385056.8 | 0.0 | S |
| 77.300 | 0.0000 | 0.0000 | 82.620 | 0.36051 | 0.00000 | 602892.1 | 385067.6 | 0.0 | S |
| 77.308 | 0.0000 | 0.0000 | 82.620 | 0.36047 | 0.00000 | 602892.1 | 385076.4 | 0.0 | S |
| 77.317 | 0.0000 | 0.0000 | 82.619 | 0.36043 | 0.00000 | 602892.1 | 385089.2 | 0.0 | S |
| 77.325 | 0.0000 | 0.0000 | 82.619 | 0.36039 | 0.00000 | 602892.1 | 385100.0 | 0.0 | S |
| 77.333 | 0.0000 | 0.0000 | 82.619 | 0.36035 | 0.00000 | 602892.1 | 385110.8 | 0.0 | S |
| 77.342 | 0.0000 | 0.0000 | 82.619 | 0.36032 | 0.00000 | 602892.1 | 385121.6 | 0.0 | S |
| 77.350 | 0.0000 | 0.0000 | 82.619 | 0.36028 | 0.00000 | 602892.1 | 385132.4 | 0.0 | S |
| 77.358 | 0.0000 | 0.0000 | 82.619 | 0.36024 | 0.00000 | 602892.1 | 385143.3 | 0.0 | S |
| 77.367 | 0.0000 | 0.0000 | 82.618 | 0.36020 | 0.00000 | 602892.1 | 385154.1 | 0.0 | S |
| 77.375 | 0.0000 | 0.0000 | 82,618 | 0.36016 | 0.00000 | 602892.1 | 385164.8 | 0.0 | S |
| 77.383 | 0.0000 | 0.0000 | 82.618 | 0.36012 | 0.00000 | 602892.1 | 385175.7 | 0.0 | S |
| 77.392 | 0.0000 | 0.0000 | 82.618 | 0.36009 | 0.00000 | 602892.1 | 385186.5 | 0.0 | S |
| 77.400 | 0.0000 | 0.0000 | 82.618 | 0.36005 | 0.00000 | 602892.1 | 385197.3 | 0.0 | S |
| 77.408 | 0.0000 | 0.0000 | 82.618 | 0.36001 | 0.00000 | 602892.1 | 385208.1 | 0.0 | S |
| 77.417 | 0.0000 | 0.0000 | 82.617 | 0.35997 | 0.00000 | 602892.1 | 385218.9 | 0.0 | S |
| 77.425 | 0.0000 | 0.0000 | 82.617 | 0.35993 | 0.00000 | 602892.1 | 385229.7 | 0.0 | S |
| 77.433 | 0.0000 | 0.0000 | 82.617 | 0.35990 | 0.00000 | 602892.1 | 385240.5 | 0.0 | S |
| 77.442 | 0.0000 | 0.0000 | 82.617 | 0.35986 | 0.00000 | 602892.1 | 385251.3 | 0.0 | S |
| 77.450 | 0.0000 | 0.0000 | 82.617 | 0.35982 | 0.00000 | 602892.1 | 385262.1 | 0.0 | S |
| 77.458 | 0.0000 | 0.0000 | 82.816 | 0.35978 | 0.00000 | 602892.1 | 385272.8 | 0.0 | S |
| 77.467 | 0.0000 | 0.0000 | 82.616 | 0.35974 | 0.00000 | 602892.1 | 385283.6 | 0.0 | S |
| 77.475 | 0.0000 | 0.0000 | 82.616 | 0.35970 | 0.00000 | 602892.1 | 385294.4 | 0.0 | S |
| 77.483 | 0.0000 | 0.0000 | 82.616 | 0.35967 | 0.00000 | 602892.1 | 385305.2 | 0.0 | S |
| 77.492 | 0.0000 | 0.0000 | 82.616 | 0.35963 | 0.00000 | 602892.1 | 385316.0 | 0.0 | S |
| 77.500 | 0.0000 | 0.0000 | 82.616 | 0.35959 | 0.00000 | 602892.1 | 385326.8 | 0.0 | S |
| 77.508 | 0.0000 | 0.0000 | 82.615 | 0.35955 | 0.00000 | 602892.1 | 385337.6 | 0.0 | S |
| 77.517 | 0.0000 | 0.0000 | 82.615 | 0.35951 | 0.00000 | 602892.1 | 385348.4 | 0.0 | S |
| 77.525 | 0.0000 | 0.0000 | 82.615 | 0.35947 | 0.00000 | 602892.1 | 385359.2 | 0.0 | S |
| 77.533 | 0.0000 | 0.0000 | 82.615 | 0.35944 | 0.00000 | 602892.1 | 385369.9 | 0.0 | S |
| 77.542 | 0.0000 | 0.0000 | 82.615 | 0.35940 | 0.00000 | 602892.1 | 385380.7 | 0.0 | S |
| 77.550 | 0.0000 | 0.0000 | 82.615 | 0.35936 | 0.00000 | 602892.1 | 385391.5 | 0.0 | S |
| 77.558 | 0.0000 | 0.0000 | 82.614 | 0.35932 | 0.00000 | 602892.1 | 385402.3 | 0.0 | S |
| 77.567 | 0.0000 | 0.0000 | 82.614 | 0.36928 | 0.00000 | 602892.1 | 385413.1 | 0.0 | S |
| 77.575 | 0.0000 | 0.0000 | 82.614 | 0.35925 | 0.00000 | 602892.1 | 385423.8 | 0.0 | S |
| 77.583 | 0.0000 | 0.0000 | 82.614 | 0.35921 | 0.00000 | 602892.1 | 385434.6 | 0.0 | S |
| 77.592 | 0.0000 | 0.0000 | 82.614 | 0.35917 | 0.00000 | 602892.1 | 385445.4 | 0.0 | S |
| 77.600 | 0.0000 | 0.0000 | 82.613 | 0.35913 | 0.00000 | 602892.1 | 385456.2 | 0.0 | S |
| 77.608 | 0.0000 | 0.0000 | 82.613 | 0.35909 | 0.00000 | 602892.1 | 385466.9 | 0.0 | S |
| 77.617 | 0.0000 | 0.0000 | 82.613 | 0.35906 | 0.00000 | 602892.1 | 385477.7 | 0.0 | S |
| 77.625 | 0.0000 | 0.0000 | 82.613 | 0.35902 | 0.00000 | 602892.1 | 385488.5 | 0.0 | S |
| 77.633 | 0.0000 | 0.0000 | 82.613 | 0.35898 | 0.00000 | 602892.1 | 385499.3 | 0.0 | S |
| 77.642 | 0.0000 | 0.0000 | 82.613 | 0.35894 | 0.00000 | 602892.1 | 385510.0 | 0.0 | S |
| 77.650 | 0.0000 | 0.0000 | 82.612 | 0.35890 | 0.00000 | 602892.1 | 385520.8 | 0.0 | S |
| 77.658 | 0.0000 | 0.0000 | 82.612 | 0.35887 | 0.00000 | 602892.1 | 385531.6 | 0.0 | S |
| 77.667 | 0.0000 | 0.0000 | 82.612 | 0.35883 | 0.00000 | 602892.1 | 385542.3 | 0.0 | S |
| 77.675 | 0.0000 | 0.0000 | 82.612 | 0.35879 | 0.00000 | 602892.1 | 385553.1 | 0.0 | S |
| 77.683 | 0.0000 | 0.0000 | 82.612 | 0.35875 | 0.00000 | 602892.1 | 385563.8 | 0.0 | S |
| 77.692 | 0.0000 | 0.0000 | 82.612 | 0.35871 | 0.00000 | 602892.1 | 385574.6 | 0.0 | S |

PONDS Version 3.2.0207

# Retention Pond Recovery - Refined Method Copyright 2003 

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (filday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overfiow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume (fis) | Cumulative Infiltration Volume (fis) | Cumulative Discharge Voiume (fis) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 77.700 | 0.0000 | 0.0000 | 82.611 | 0.35868 | 0.00000 | 602892.1 | 385585.4 | 0.0 | S |
| 77.708 | 0.0000 | 0.0000 | 82.611 | 0.35864 | 0.00000 | 602892.1 | 385596.1 | 0.0 | S |
| 77.717 | 0.0000 | 0.0000 | 82.611 | 0.35860 | 0.00000 | 602892.1 | 385606.9 | 0.0 | S |
| 77.725 | 0.0000 | 0.0000 | 82.611 | 0.35856 | 0.00000 | 602892.1 | 385617.7 | 0.0 | S |
| 77.733 | 0.0000 | 0.0000 | 82.611 | 0.35852 | 0.00000 | 602892.1 | 385628.4 | 0.0 | S |
| 77.742 | 0.0000 | 0.0000 | 82.610 | 0.35849 | 0.00000 | 602892.1 | 385639.2 | 0.0 | S |
| 77.750 | 0.0000 | 0.0000 | 82.610 | 0.35845 | 0.00000 | 602892.1 | 385649.9 | 0.0 | S |
| 77.758 | 0.0000 | 0.0000 | 82.610 | 0.35841 | 0.00000 | 602892.1 | 385660.7 | 0.0 | S |
| 77.767 | 0.0000 | 0.0000 | 82.610 | 0.35837 | 0.00000 | 602892.1 | 385671.4 | 0.0 | S |
| 77.775 | 0.0000 | 0.0000 | 82.610 | 0.35833 | 0.00000 | 602892.1 | 385682.2 | 0.0 | S |
| 77.783 | 0.0000 | 0.0000 | 82.610 | 0.35830 | 0.00000 | 602892.7 | 385692.9 | 0.0 | S |
| 77.792 | 0.0000 | 0.0000 | 82.609 | 0.35826 | 0.00000 | 602892.1 | 385703.7 | 0.0 | S |
| 77.800 | 0.0000 | 0.0000 | 82.609 | 0.35822 | 0.00000 | 602892.1 | 385714.4 | 0.0 | S |
| 77.808 | 0.0000 | 0.0000 | 82.609 | 0.35818 | 0.00000 | 602892.1 | 385725.2 | 0.0 | S |
| 77.817 | 0.0000 | 0.0000 | 82.609 | 0.35814 | 0.00000 | 602892.1 | 385735.9 | 0.0 | S |
| 77.825 | 0.0000 | 0.0000 | 82.609 | 0.35811 | 0.00000 | 602892.1 | 385746.7 | 0.0 | S |
| 77.833 | 0.0000 | 0.0000 | 82.609 | 0.35807 | 0.00000 | 602892.1 | 385757.4 | 0.0 | S |
| 77.842 | 0.0000 | 0.0000 | 82.608 | 0.35803 | 0.00000 | 602892.1 | 385768.1 | 0.0 | S |
| 77.850 | 0.0000 | 0.0000 | 82.608 | 0.35799 | 0.00000 | 602892.1 | 385778.9 | 0.0 | S |
| 77.858 | 0.0000 | 0.0000 | 82.608 | 0.35795 | 0.00000 | 602892.1 | 385789.6 | 0.0 | S |
| 77.867 | 0.0000 | 0.0000 | 82.608 | 0.35792 | 0.00000 | 602892.1 | 385800.3 | 0.0 | S |
| 77.875 | 0.0000 | 0.0000 | 82.608 | 0.35788 | 0.00000 | 602892.1 | 385811.1 | 0.0 | S |
| 77.883 | 0.0000 | 0.0000 | 82.608 | 0.35784 | 0.00000 | 602892.1 | 385821.8 | 0.0 | S |
| 77.892 | 0.0000 | 0.0000 | 82.607 | 0.35780 | 0.00000 | 602892.1 | 385832.6 | 0.0 | S |
| 77.900 | 0.0000 | 0.0000 | 82.607 | 0.35777 | 0.00000 | 602892.1 | 385843.3 | 0.0 | S |
| 77.908 | 0.0000 | 0.0000 | 82.607 | 0.35773 | 0.00000 | 602892.1 | 385854.0 | 0.0 | S |
| 77.917 | 0.0000 | 0.0000 | 82.607 | 0.35769 | 0.00000 | 602892.1 | 385864.8 | 0.0 | S |
| 77.925 | 0.0000 | 0.0000 | 82.607 | 0.35765 | 0.00000 | 602892.1 | 385875.5 | 0.0 | S |
| 77.933 | 0.0000 | 0.0000 | 82.606 | 0.35761 | 0.00000 | 602892.1 | 385886.2 | 0.0 | S |
| 77.942 | 0.0000 | 0.0000 | 82.606 | 0.35758 | 0.00000 | 602882.1 | 385896.9 | 0.0 | S |
| 77.950 | 0.0000 | 0.0000 | 82.606 | 0.35754 | 0.00000 | 602892.1 | 385907.7 | 0.0 | S |
| 77.958 | 0.0000 | 0.0000 | 82.606 | 0.35750 | 0.00000 | 602892.1 | 385918.4 | 0.0 | S |
| 77.967 | 0.0000 | 0.0000 | 82.606 | 0.35746 | 0.00000 | 602892.1 | 385929.1 | 0.0 | S |
| 77.975 | 0.0000 | 0.0000 | 82.606 | 0.35743 | 0.00000 | 602892.1 | 385939.8 | 0.0 | S |
| 77.983 | 0.0000 | 0.0000 | 82.605 | 0.35739 | 0.00000 | 602892.1 | 385950.6 | 0.0 | S |
| 77.992 | 0.0000 | 0.0000 | 82.605 | 0.35735 | 0.00000 | 602892.1 | 385961.3 | 0.0 | S |
| 78.000 | 0.0000 | 0.0000 | 82.605 | 0.35731 | 0.00000 | 602892.1 | 385972.0 | 0.0 | S |
| 78.008 | 0.0000 | 0.0000 | 82.605 | 0.35728 | 0.00000 | 602892.1 | 385982.7 | 0.0 | S |
| 78.017 | 0.0000 | 0.0000 | 82.605 | 0.35724 | 0.00000 | 602892.1 | 385993.4 | 0.0 | S |
| 78.025 | 0.0000 | 0.0000 | 82.605 | 0.35720 | 0.00000 | 602892.1 | 386004.2 | 0.0 | S |
| 78.033 | 0.0000 | 0.0000 | 82.604 | 0.35716 | 0.00000 | 602892.1 | 386014.9 | 0.0 | S |
| 78.042 | 0.0000 | 0.0000 | 82.604 | 0.35712 | 0.00000 | 602892.1 | 386025.6 | 0.0 | S |
| 78.050 | 0.0000 | 0.0000 | 82.604 | 0.35709 | 0.00000 | 602892.1 | 386036.3 | 0.0 | S |
| 78.058 | 0.0000 | 0.0000 | 82.604 | 0.35705 | 0.00000 | 602892.1 | 386047.0 | 0.0 | S |
| 78.067 | 0.0000 | 0.0000 | 82.604 | 0.35701 | 0.00000 | 602892.1 | 386057.7 | 0.0 | S |
| 78.075 | 0.0000 | 0.0000 | 82.603 | 0.35697 | 0.00000 | 602892.1 | 386068.4 | 0.0 | S |
| 78.083 | 0.0000 | 0.0000 | 82.603 | 0.35694 | 0.00000 | 602892.1 | 386079.2 | 0.0 | S |
| 78.092 | 0.0000 | 0.0000 | 82.603 | 0.35690 | 0.00000 | 602892.1 | 386089.8 | 0.0 | S |
| 78.100 | 0.0000 | 0.0000 | 82.603 | 0.35686 | 0.00000 | 602892.1 | 386100.6 | 0.0 | S |
| 78.108 | 0.0000 | 0.0000 | 82.603 | 0.35682 | 0.00000 | 602892.1 | 386111.3 | 0.0 | S |
| 78.117 | 0.0000 | 0.0000 | 82.603 | 0.35679 | 0.00000 | 602892.1 | 386122.0 | 0.0 | S |
| 78.125 | 0.0000 | 0.0000 | 82.602 | 0.35675 | 0.00000 | 602892.1 | 386132.7 | 0.0 | S |
| 78.133 | 0.0000 | 0.0000 | 82.602 | 0.35671 | 0.00000 | 602892.1 | 386143.4 | 0.0 | S |
| 78.142 | 0.0000 | 0.0000 | 82.602 | 0.35667 | 0.00000 | 602892.1 | 386154.1 | 0.0 | S |
| 78.150 | 0.0000 | 0.0000 | 82.602 | 0.35664 | 0.00000 | 602892.1 | 386164.8 | 0.0 | S |
| 78.158 | 0.0000 | 0.0000 | 82.602 | 0.35660 | 0.00000 | 602892.1 | 386175.5 | 0.0 | S |
| 78.167 | 0.0000 | 0.0000 | 82.602 | 0.35656 | 0.00000 | 602892.1 | 386186.2 | 0.0 | S |
| 78.175 | 0.0000 | 0.0000 | 82.601 | 0.35652 | 0.00000 | 602892.1 | 386196.9 | 0.0 | S |
| 78.183 | 0.0000 | 0.0000 | 82.601 | 0.35649 | 0.00000 | 602892.1 | 386207.6 | 0.0 | S |
| 78.192 | 0.0000 | 0.0000 | 82.601 | 0.35645 | 0.00000 | 602892.1 | 386218.3 | 0.0 | S |
| 78.200 | 0.0000 | 0.0000 | 82.601 | 0.35641 | 0.00000 | 602892.1 | 386228.9 | 0.0 | S |
| 78.208 | 0.0000 | 0.0000 | 82.601 | 0.35637 | 0.00000 | 602892.1 | 386239.6 | 0.0 | S |
| 78.217 | 0.0000 | 0.0000 | 82.600 | 0.35634 | 0.00000 | 602892.1 | 386250.3 | 0.0 | S |
| 78.225 | 0.0000 | 0.0000 | 82.600 | 0.35630 | 0.00000 | 602892.1 | 386261.0 | 0.0 | S |
| 78.233 | 0.0000 | 0.0000 | 82.600 | 0.35626 | 0.00000 | 602892.1 | 386271.7 | 0.0 | S |
| 78.242 | 0.0000 | 0.0000 | 82.600 | 0.35622 | 0.00000 | 602892.1 | 386282.4 | 0.0 | S |
| 78.250 | 0.0000 | 0.0000 | 82.600 | 0.35619 | 0.00000 | 602892.1 | 386293.1 | 0.0 | S |
| 78.258 | 0.0000 | 0.0000 | 82.600 | 0.35615 | 0.00000 | 602892.1 | 386303.8 | 0.0 | S |
| 78.267 | 0.0000 | 0.0000 | 82.599 | 0.35611 | 0.00000 | 602892.1 | 386314.4 | 0.0 | S |
| 78.275 | 0.0000 | 0.0000 | 82.599 | 0.35607 | 0.00000 | 602892.1 | 386325.1 | 0.0 | S |
| 78.283 | 0.0000 | 0.0000 | 82.599 | 0.35604 | 0.00000 | 602892.1 | 386335.8 | 0.0 | S |
| 78.292 | 0.0000 | 0.0000 | 82.599 | 0.35600 | 0.00000 | 602892.1 | 386346.5 | 0.0 | S |
| 78.300 | 0.0000 | 0.0000 | 82.599 | 0.35596 | 0.00000 | 602892.1 | 386357.2 | 0.0 | S |
| 78.308 | 0.0000 | 0.0000 | 82.599 | 0.35592 | 0.00000 | 602892.1 | 386367.8 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year/24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 /} \mathrm{s}$ ) | Outside Recharge (fyday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 /} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}{ }^{3}$ ) | Cumulative Infilitration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume (fty) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 78.317 | 0.0000 | 0.0000 | 82.598 | 0.35589 | 0.00000 | 602892.1 | 386378.5 | 0.0 | S |
| 78.325 | 0.0000 | 0.0000 | 82.598 | 0.35585 | 0.00000 | 602892.1 | 386389.2 | 0.0 | S |
| 78.333 | 0.0000 | 0.0000 | 82.598 | 0.35581 | 0.00000 | 602892.1 | 386399.9 | 0.0 | S |
| 78.342 | 0.0000 | 0.0000 | 82.598 | 0.35577 | 0.00000 | 602892.1 | 386410.6 | 0.0 | S |
| 78.350 | 0.0000 | 0.0000 | 82.598 | 0.35574 | 0.00000 | 602892.1 | 386421.2 | 0.0 | S |
| 78.358 | 0.0000 | 0.0000 | 82.598 | 0.35570 | 0.00000 | 602892.1 | 386431.9 | 0.0 | S |
| 78.367 | 0.0000 | 0.0000 | 82.597 | 0.35566 | 0.00000 | 602892.1 | 386442.6 | 0.0 | S |
| 78.375 | 0.0000 | 0.0000 | 82.597 | 0.35563 | 0.00000 | 602892.1 | 386453.3 | 0.0 | S |
| 78.383 | 0.0000 | 0.0000 | 82.597 | 0.35559 | 0.00000 | 602892.1 | 386463.9 | 0.0 | S |
| 78.392 | 0.0000 | 0.0000 | 82.597 | 0.35555 | 0.00000 | 602892.1 | 386474.6 | 0.0 | S |
| 78.400 | 0.0000 | 0.0000 | 82.597 | 0.35551 | 0.00000 | 602892.1 | 386485.3 | 0.0 | S |
| 78.408 | 0.0000 | 0.0000 | 82.596 | 0.35548 | 0.00000 | 602892.1 | 386495.9 | 0.0 | S |
| 78.417 | 0.0000 | 0.0000 | 82.596 | 0.35544 | 0.00000 | 602892.1 | 386506.6 | 0.0 | S |
| 78.425 | 0.0000 | 0.0000 | 82.596 | 0.35540 | 0.00000 | 602892.1 | 386517.2 | 0.0 | S |
| 78.433 | 0.0000 | 0.0000 | 82.596 | 0.35536 | 0.00000 | 602892.1 | 386527.9 | 0.0 | S |
| 78.442 | 0.0000 | 0.0000 | 82.596 | 0.35533 | 0.00000 | 602892.1 | 386538.6 | 0.0 | S |
| 78.450 | 0.0000 | 0.0000 | 82.596 | 0.35529 | 0.00000 | 602892.1 | 386549.2 | 0.0 | S |
| 78.458 | 0.0000 | 0.0000 | 82.595 | 0.35525 | 0.00000 | 602892.1 | 386559.9 | 0.0 | S |
| 78.467 | 0.0000 | 0.0000 | 82.595 | 0.35522 | 0.00000 | 602892.1 | 386570.5 | 0.0 | S |
| 78.475 | 0.0000 | 0.0000 | 82.595 | 0.35518 | 0.00000 | 602892.1 | 386581.2 | 0.0 | S |
| 78.483 | 0.0000 | 0.0000 | 82.595 | 0.35514 | 0.00000 | 602892.1 | 386591.8 | 0.0 | S |
| 78.492 | 0.0000 | 0.0000 | 82.595 | 0.35510 | 0.00000 | 602892.1 | 386602.5 | 0.0 | S |
| 78.500 | 0.0000 | 0.0000 | 82.595 | 0.35507 | 0.00000 | 602892.1 | 386673.2 | 0.0 | S |
| 78.508 | 0.0000 | 0.0000 | 82.594 | 0.35503 | 0.00000 | 602892.1 | 386623.8 | 0.0 | S |
| 78.517 | 0.0000 | 0.0000 | 82.594 | 0.35499 | 0.00000 | 602892.1 | 386634.4 | 0.0 | S |
| 78.525 | 0.0000 | 0.0000 | 82.594 | 0.35495 | 0.00000 | 602892.1 | 386645.1 | 0.0 | S |
| 78.533 | 0.0000 | 0.0000 | 82.594 | 0.35492 | 0.00000 | 602892.1 | 386655.8 | 0.0 | S |
| 78.542 | 0.0000 | 0.0000 | 82.594 | 0.35488 | 0.00000 | 602892.1 | 386666.4 | 0.0 | S |
| 78.550 | 0.0000 | 0.0000 | 82.594 | 0.35484 | 0.00000 | 602892.1 | 386677.0 | 0.0 | S |
| 78.558 | 0.0000 | 0.0000 | 82.593 | 0.35481 | 0.00000 | 602892.1 | 386687.7 | 0.0 | S |
| 78.567 | 0.0000 | 0.0000 | 82.593 | 0.35477 | 0.00000 | 602892.1 | 386698.3 | 0.0 | S |
| 78.575 | 0.0000 | 0.0000 | 82.593 | 0.35473 | 0.00000 | 602892.1 | 386709.0 | 0.0 | S |
| 78.583 | 0.0000 | 0.0000 | 82.593 | 0.35469 | 0.00000 | 602892.1 | 386719.6 | 0.0 | S |
| 78.592 | 0.0000 | 0.0000 | 82.593 | 0.35466 | 0.00000 | 602892.1 | 386730.3 | 0.0 | S |
| 78.600 | 0.0000 | 0.0000 | 82.592 | 0.35462 | 0.00000 | 602892.1 | 386740.9 | 0.0 | S |
| 78.608 | 0.0000 | 0.0000 | 82.592 | 0.35458 | 0.00000 | 602892.1 | 386751.5 | 0.0 | S |
| 78.617 | 0.0000 | 0.0000 | 82.592 | 0.35455 | 0.00000 | 602892.1 | 386762.2 | 0.0 | S |
| 78.625 | 0.0000 | 0.0000 | 82.592 | 0.35451 | 0.00000 | 602892.1 | 386772.8 | 0.0 | S |
| 78.633 | 0.0000 | 0.0000 | 82.592 | 0.35447 | 0.00000 | 602892.1 | 386783.4 | 0.0 | S |
| 78.642 | 0.0000 | 0.0000 | 82.592 | 0.35443 | 0.00000 | 602892.1 | 386794.1 | 0.0 | S |
| 78.650 | 0.0000 | 0.0000 | 82.591 | 0.35440 | 0.00000 | 602892.1 | 386804.7 | 0.0 | S |
| 78.658 | 0.0000 | 0.0000 | 82.591 | 0.35436 | 0.00000 | 602892.3 | 386815.3 | 0.0 | S |
| 78.667 | 0.0000 | 0.0000 | 82.591 | 0.35432 | 0.00000 | 602892.1 | 386826.0 | 0.0 | S |
| 78.675 | 0.0000 | 0.0000 | 82.591 | 0.35429 | 0.00000 | 602892.1 | 386836.6 | 0.0 | S |
| 78.683 | 0.0000 | 0.0000 | 82.591 | 0.35425 | 0.00000 | 602892.1 | 386847.2 | 0.0 | S |
| 78.692 | 0.0000 | 0.0000 | 82.591 | 0.35421 | 0.00000 | 602892.1 | 386857.8 | 0.0 | S |
| 78.700 | 0.0000 | 0.0000 | 82.590 | 0.35418 | 0.00000 | 602892.1 | 386868.5 | 0.0 | S |
| 78.708 | 0.0000 | 0.0000 | 82.590 | 0.35414 | 0.00000 | 602892.1 | 386879.1 | 0.0 | S |
| 78.717 | 0.0000 | 0.0000 | 82.590 | 0.35410 | 0.00000 | 602892.1 | 386889.7 | 0.0 | S |
| 78.725 | 0.0000 | 0.0000 | 82.590 | 0.35406 | 0.00000 | 602892.1 | 386900.3 | 0.0 | S |
| 78.733 | 0.0000 | 0.0000 | 82.590 | 0.35403 | 0.00000 | 602892.1 | 386911.0 | 0.0 | S |
| 78.742 | 0.0000 | 0.0000 | 82.590 | 0.35399 | 0.00000 | 602892.1 | 386921.6 | 0.0 | S |
| 78.750 | 0.0000 | 0.0000 | 82.589 | 0.35395 | 0.00000 | 602892.1 | 386932.2 | 0.0 | S |
| 78.758 | 0.0000 | 0.0000 | 82.589 | 0.35392 | 0.00000 | 602892.1 | 386942.8 | 0.0 | S |
| 78.767 | 0.0000 | 0.0000 | 82.589 | 0.35388 | 0.00000 | 602892.1 | 386953.4 | 0.0 | S |
| 78.775 | 0.0000 | 0.0000 | 82.589 | 0.35384 | 0.00000 | 602892.1 | 386964.1 | 0.0 | S |
| 78.783 | 0.0000 | 0.0000 | 82.589 | 0.35381 | 0.00000 | 602892.1 | 386974.7 | 0.0 | S |
| 78.792 | 0.0000 | 0.0000 | 82.588 | 0.35377 | 0.00000 | 602892.1 | 386985.3 | 0.0 | S |
| 78.800 | 0.0000 | 0.0000 | 82.588 | 0.35373 | 0.00000 | 602892.1 | 386995.9 | 0.0 | S |
| 78.808 | 0.0000 | 0.0000 | 82.588 | 0.35369 | 0.00000 | 602892.1 | 387006.5 | 0.0 | S |
| 78.817 | 0.0000 | 0.0000 | 82.588 | 0.35366 | 0.00000 | 602892.1 | 387017.1 | 0.0 | S |
| 78.825 | 0.0000 | 0.0000 | 82.588 | 0.35362 | 0.00000 | 602892.1 | 387027.7 | 0.0 | S |
| 78.833 | 0.0000 | 0.0000 | 82.588 | 0.35358 | 0.00000 | 602892.1 | 387038.3 | 0.0 | S |
| 78.842 | 0.0000 | 0.0000 | 82.587 | 0.35355 | 0.00000 | 602892.1 | 387048.9 | 0.0 | S |
| 78.850 | 0.0000 | 0.0000 | 82.587 | 0.35351 | 0.00000 | 602892.1 | 387059.5 | 0.0 | S |
| 78.858 | 0.0000 | 0.0000 | 82.587 | 0.35347 | 0.00000 | 602892.1 | 387070.2 | 0.0 | S |
| 78.867 | 0.0000 | 0.0000 | 82.587 | 0.35344 | 0.00000 | 602892.1 | 387080.8 | 0.0 | S |
| 78.875 | 0.0000 | 0.0000 | 82.587 | 0.35340 | 0.00000 | 602892.1 | 387091.3 | 0.0 | S |
| 78.883 | 0.0000 | 0.0000 | 82.587 | 0.35336 | 0.00000 | 602892.1 | 387102.0 | 0.0 | S |
| 78.892 | 0.0000 | 0.0000 | 82.586 | 0.35333 | 0.00000 | 602892.1 | 387112.6 | 0.0 | S |
| 78.900 | 0.0000 | 0.0000 | 82.586 | 0.35329 | 0.00000 | 602892.1 | 387123.2 | 0.0 | S |
| 78.908 | 0.0000 | 0.0000 | 82.586 | 0.35325 | 0.00000 | 602892.1 | 387133.8 | 0.0 | S |
| 78.917 | 0.0000 | 0.0000 | 82.586 | 0.35322 | 0.00000 | 602892.1 | 387144.3 | 0.0 | S |
| 78.925 | 0.0000 | 0.0000 | 82.586 | 0.35318 | 0.00000 | 602892.1 | 387154.9 | 0.0 | S |

PONDS Version 3.2.0207

# Retention Pond Recovery - Refined Method <br> Copyright 2003 

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overfiow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{t}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{fl}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 78.933 | 0.0000 | 0.0000 | 82.586 | 0.35314 | 0.00000 | 602892.1 | 387165.5 | 0.0 | S |
| 78.942 | 0.0000 | 0.0000 | 82.585 | 0.35311 | 0.00000 | 602892.1 | 387176.1 | 0.0 | S |
| 78.950 | 0.0000 | 0.0000 | 82.585 | 0.35307 | 0.00000 | 602892.1 | 387186.7 | 0.0 | S |
| 78.958 | 0.0000 | 0.0000 | 82.585 | 0.35303 | 0.00000 | 602892.1 | 387197.3 | 0.0 | S |
| 78.967 | 0.0000 | 0.0000 | 82.585 | 0.35299 | 0.00000 | 602892.1 | 387207.9 | 0.0 | S |
| 78.975 | 0.0000 | 0.0000 | 82.585 | 0.35296 | 0.00000 | 602892.1 | 387218.5 | 0.0 | S |
| 78.983 | 0.0000 | 0.0000 | 82.584 | 0.35292 | 0.00000 | 602892.1 | 387229.1 | 0.0 | S |
| 78.992 | 0.0000 | 0.0000 | 82.584 | 0.35288 | 0.00000 | 602892.1 | 387239.7 | 0.0 | S |
| 79.000 | 0.0000 | 0.0000 | 82.584 | 0.35285 | 0.00000 | 602892.1 | 387250.3 | 0.0 | S |
| 79.008 | 0.0000 | 0.0000 | 82.584 | 0.35287 | 0.00000 | 602892.1 | 387260.8 | 0.0 | S |
| 79.017 | 0.0000 | 0.0000 | 82.584 | 0.35277 | 0.00000 | 602892.1 | 387271.4 | 0.0 | S |
| 79.025 | 0.0000 | 0.0000 | 82.584 | 0.35274 | 0.00000 | 602892.1 | 387282.0 | 0.0 | S |
| 79.033 | 0.0000 | 0.0000 | 82.583 | 0.35270 | 0.00000 | 602892.1 | 387292.6 | 0.0 | S |
| 79.042 | 0.0000 | 0.0000 | 82.583 | 0.35266 | 0.00000 | 602892.1 | 387303.2 | 0.0 | S |
| 79.050 | 0.0000 | 0.0000 | 82.583 | 0.35263 | 0.00000 | 602892.1 | 387313.8 | 0.0 | S |
| 79.058 | 0.0000 | 0.0000 | 82.583 | 0.35259 | 0.00000 | 602892.1 | 387324.3 | 0.0 | S |
| 79.067 | 0.0000 | 0.0000 | 82.583 | 0.35255 | 0.00000 | 602892.1 | 387334.9 | 0.0 | S |
| 79.075 | 0.0000 | 0.0000 | 82.583 | 0.35252 | 0.00000 | 602892.1 | 387345.5 | 0.0 | S |
| 79.083 | 0.0000 | 0.0000 | 82.582 | 0.35248 | 0.00000 | 602892.1 | 387356.1 | 0.0 | S |
| 79.092 | 0.0000 | 0.0000 | 82.582 | 0.35244 | 0.00000 | 602892.1 | 387366.6 | 0.0 | S |
| 79.100 | 0.0000 | 0.0000 | 82.582 | 0.35241 | 0.00000 | 602892.1 | 387377.2 | 0.0 | S |
| 79.108 | 0.0000 | 0.0000 | 82.582 | 0.35237 | 0.00000 | 602892.1 | 387387.8 | 0.0 | S |
| 79.117 | 0.0000 | 0.0000 | 82.582 | 0.35233 | 0.00000 | 602892.1 | 387398.3 | 0.0 | S |
| 79.125 | 0.0000 | 0.0000 | 82.582 | 0.35230 | 0.00000 | 602892.1 | 387408.9 | 0.0 | S |
| 79.133 | 0.0000 | 0.0000 | 82.581 | 0.35226 | 0.00000 | 602892.1 | 387419.5 | 0.0 | S |
| 79.142 | 0.0000 | 0.0000 | 82.581 | 0.35222 | 0.00000 | 602892.1 | 387430.1 | 0.0 | S |
| 79.150 | 0.0000 | 0.0000 | 82.581 | 0.35219 | 0.00000 | 602892.1 | 387440.6 | 0.0 | S |
| 79.158 | 0.0000 | 0.0000 | 82.581 | 0.35215 | 0.00000 | 602892.1 | 387451.2 | 0.0 | S |
| 79.167 | 0.0000 | 0.0000 | 82.581 | 0.35211 | 0.00000 | 602892.1 | 387461.8 | 0.0 | S |
| 79.175 | 0.0000 | 0.0000 | 82.580 | 0.35208 | 0.00000 | 602892.1 | 387472.3 | 0.0 | S |
| 79.183 | 0.0000 | 0.0000 | 82.580 | 0.35204 | 0.00000 | 602892.1 | 387482.9 | 0.0 | S |
| 79.192 | 0.0000 | 0.0000 | 82.580 | 0.35200 | 0.00000 | 602892.1 | 387493.4 | 0.0 | S |
| 79.200 | 0.0000 | 0.0000 | 82.580 | 0.35197 | 0.00000 | 602892.1 | 387504.0 | 0.0 | S |
| 79.208 | 0.0000 | 0.0000 | 82.580 | 0.35193 | 0.00000 | 602892.1 | 387514.6 | 0.0 | S |
| 79.217 | 0.0000 | 0.0000 | 82.580 | 0.35190 | 0.00000 | 602892.1 | 387525.1 | 0.0 | S |
| 79.225 | 0.0000 | 0.0000 | 82.579 | 0.35186 | 0.00000 | 602892.1 | 387535.7 | 0.0 | S |
| 79.233 | 0.0000 | 0.0000 | 82.579 | 0.35182 | 0.00000 | 602892.1 | 387546.2 | 0.0 | S |
| 79.242 | 0.0000 | 0.0000 | 82.579 | 0.35179 | 0.00000 | 602892.1 | 387556.8 | 0.0 | S |
| 79.250 | 0.0000 | 0.0000 | 82.579 | 0.35175 | 0.00000 | 602892.1 | 387567.3 | 0.0 | S |
| 79.258 | 0.0000 | 0,0000 | 82.579 | 0.35171 | 0.00000 | 602892.1 | 387577.9 | 0.0 | S |
| 79.267 | 0.0000 | 0.0000 | 82.579 | 0.35168 | 0.00000 | 602892.1 | 387588.4 | 0.0 | S |
| 79.275 | 0.0000 | 0.0000 | 82.578 | 0.35164 | 0.00000 | 602892.1 | 387599.0 | 0.0 | S |
| 79.283 | 0.0000 | 0.0000 | 82.578 | 0.35160 | 0.00000 | 602892.1 | 387609.5 | 0.0 | S |
| 79.292 | 0.0000 | 0.0000 | 82.578 | 0.35157 | 0.00000 | 602892.1 | 387620.1 | 0.0 | S |
| 79.300 | 0.0000 | 0.0000 | 82.578 | 0.35153 | 0.00000 | 602892.1 | 387630.6 | 0.0 | S |
| 79.308 | 0.0000 | 0.0000 | 82.578 | 0.35149 | 0.00000 | 602892.1 | 387641.2 | 0.0 | S |
| 79.317 | 0.0000 | 0.0000 | 82.578 | 0.35146 | 0.00000 | 602892.1 | 387651.7 | 0.0 | S |
| 79.325 | 0.0000 | 0.0000 | 82.577 | 0.35142 | 0.00000 | 602892.1 | 387662.3 | 0.0 | S |
| 79.333 | 0.0000 | 0.0000 | 82.577 | 0.35138 | 0.00000 | 602892.1 | 387672.8 | 0.0 | S |
| 79.342 | 0.0000 | 0.0000 | 82.577 | 0.35135 | 0.00000 | 602892.1 | 387683.3 | 0.0 | S |
| 79.350 | 0.0000 | 0.0000 | 82.577 | 0.35131 | 0.00000 | 602892.1 | 387693.9 | 0.0 | S |
| 79.358 | 0.0000 | 0.0000 | 82.577 | 0.35128 | 0.00000 | 602892.1 | 387704.4 | 0.0 | S |
| 79.367 | 0.0000 | 0.0000 | 82.577 | 0.35124 | 0.00000 | 602892.1 | 387715.0 | 0.0 | S |
| 79.375 | 0.0000 | 0.0000 | 82.576 | 0.35120 | 0.00000 | 602892.1 | 387725.5 | 0.0 | S |
| 79.383 | 0.0000 | 0.0000 | 82.576 | 0.35117 | 0.00000 | 602892.1 | 387736.0 | 0.0 | S |
| 79.392 | 0.0000 | 0.0000 | 82.576 | 0.35113 | 0.00000 | 602892.1 | 387746.6 | 0.0 | S |
| 79.400 | 0.0000 | 0.0000 | 82.576 | 0.35109 | 0.00000 | 602892.1 | 387757.1 | 0.0 | S |
| 79.408 | 0.0000 | 0.0000 | 82.576 | 0.35106 | 0.00000 | 602892.1 | 387767.6 | 0.0 | S |
| 79.417 | 0.0000 | 0.0000 | 82.575 | 0.35102 | 0.00000 | 602892.1 | 387778.2 | 0.0 | S |
| 79.425 | 0.0000 | 0.0000 | 82.575 | 0.35098 | 0.00000 | 602892.1 | 387788.7 | 0.0 | S |
| 79.433 | 0.0000 | 0.0000 | 82.575 | 0.35095 | 0.00000 | 602892.1 | 387799.2 | 0.0 | S |
| 79.442 | 0.0000 | 0.0000 | 82.575 | 0.35091 | 0.00000 | 602892.1 | 387809.8 | 0.0 | S |
| 79.450 | 0.0000 | 0.0000 | 82.575 | 0.35088 | 0.00000 | 602892.1 | 387820.3 | 0.0 | S |
| 79.458 | 0.0000 | 0.0000 | 82.575 | 0.35084 | 0.00000 | 602892.1 | 387830.8 | 0.0 | S |
| 79.467 | 0.0000 | 0.0000 | 82.574 | 0.35080 | 0.00000 | 602892.1 | 387841.3 | 0.0 | S |
| 79.475 | 0.0000 | 0.0000 | 82.574 | 0.35077 | 0.00000 | 602892.1 | 387851.8 | 0.0 | S |
| 79.483 | 0.0000 | 0.0000 | 82.574 | 0.35073 | 0.00000 | 602892.1 | 387862.4 | 0.0 | S |
| 79.492 | 0.0000 | 0.0000 | 82.574 | 0.35069 | 0.00000 | 602892.1 | 387872.9 | 0.0 | S |
| 79.500 | 0.0000 | 0.0000 | 82.574 | 0.35066 | 0.00000 | 602892.1 | 387883.4 | 0.0 | S |
| 79.508 | 0.0000 | 0.0000 | 82.574 | 0.35062 | 0.00000 | 602892.1 | 387893.9 | 0.0 | S |
| 79.517 | 0.0000 | 0.0000 | 82.573 | 0.35059 | 0.00000 | 602892.1 | 387904.4 | 0.0 | S |
| 79.525 | 0.0000 | 0.0000 | 82.573 | 0.35055 | 0.00000 | 602892.1 | 387915.0 | 0.0 | S |
| 79.533 | 0.0000 | 0.0000 | 82.573 | 0.35051 | 0.00000 | 602892.1 | 387925.5 | 0.0 | S |
| 79.542 | 0.0000 | 0.0000 | 82.573 | 0.35048 | 0.00000 | 602892.1 | 387936.0 | 0.0 | S |

PONDS Version 3.2.0207

# Retention Pond Recovery - Refined Method Copyright 2003 

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate (ffis) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative unflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 79.550 | 0.0000 | 0.0000 | 82.573 | 0.35044 | 0.00000 | 602892.1 | 387946.5 | 0.0 | S |
| 79.558 | 0.0000 | 0.0000 | 82.573 | 0.35040 | 0.00000 | 602892.1 | 387957.0 | 0.0 | S |
| 79.567 | 0.0000 | 0.0000 | 82.572 | 0.35037 | 0.00000 | 602892.1 | 387967.5 | 0.0 | S |
| 79.575 | 0.0000 | 0.0000 | 82.572 | 0.35033 | 0.00000 | 602892.1 | 387978.0 | 0.0 | S |
| 79.583 | 0.0000 | 0.0000 | 82.572 | 0.35030 | 0.00000 | 602892.1 | 387988.6 | 0.0 | S |
| 79.592 | 0.0000 | 0.0000 | 82.572 | 0.35026 | 0.00000 | 602892.1 | 387999.1 | 0.0 | S |
| 79.600 | 0.0000 | 0.0000 | 82.572 | 0.35022 | 0.00000 | 602892.1 | 388009.6 | 0.0 | S |
| 79.608 | 0.0000 | 0.0000 | 82.572 | 0.35019 | 0.00000 | 602892.1 | 388020.1 | 0.0 | S |
| 79.617 | 0.0000 | 0.0000 | 82.571 | 0.35015 | 0.00000 | 602892.1 | 388030.6 | 0.0 | S |
| 79.625 | 0.0000 | 0.0000 | 82.571 | 0.35011 | 0.00000 | 602892.1 | 388041.1 | 0.0 | S |
| 79.633 | 0.0000 | 0.0000 | 82.571 | 0.35008 | 0.00000 | 602892.1 | 388051.6 | 0.0 | S |
| 79.642 | 0.0000 | 0.0000 | 82.571 | 0.35004 | 0.00000 | 602892.1 | 388062.1 | 0.0 | S |
| 79.650 | 0.0000 | 0.0000 | 82.571 | 0.35001 | 0.00000 | 602892.1 | 388072.6 | 0.0 | S |
| 79.658 | 0.0000 | 0.0000 | 82.570 | 0.34997 | 0.00000 | 602892.1 | 388083.1 | 0.0 | S |
| 79.667 | 0.0000 | 0.0000 | 82.570 | 0.34993 | 0.00000 | 602892.1 | 388093.6 | 0.0 | S |
| 79.675 | 0.0000 | 0.0000 | 82.570 | 0.34990 | 0.00000 | 602892.1 | 388104.1 | 0.0 | S |
| 79.683 | 0.0000 | 0.0000 | 82.570 | 0.34986 | 0.00000 | 602892.1 | 388114.6 | 0.0 | S |
| 79.692 | 0.0000 | 0.0000 | 82.570 | 0.34983 | 0.00000 | 602892.1 | 388125.1 | 0.0 | S |
| 79.700 | 0.0000 | 0.0000 | 82.570 | 0.34979 | 0.00000 | 602892.1 | 388135.6 | 0.0 | S |
| 79.708 | 0.0000 | 0.0000 | 82.569 | 0.34975 | 0.00000 | 602892.1 | 388146.1 | 0.0 | S |
| 79.717 | 0.0000 | 0.0000 | 82.569 | 0.34972 | 0.00000 | 602892.1 | 388156.6 | 0.0 | S |
| 79.725 | 0.0000 | 0.0000 | 82.569 | 0.34968 | 0.00000 | 602892.1 | 388167.1 | 0.0 | S |
| 79.733 | 0.0000 | 0.0000 | 82.569 | 0.34964 | 0.00000 | 602892.1 | 388177.5 | 0.0 | S |
| 79.742 | 0.0000 | 0.0000 | 82.569 | 0.34961 | 0.00000 | 602892.1 | 388188.0 | 0.0 | S |
| 79.750 | 0.0000 | 0.0000 | 82.569 | 0.34957 | 0.00000 | 602892.1 | 388198.5 | 0.0 | S |
| 79.758 | 0.0000 | 0.0000 | 82.568 | 0.34954 | 0.00000 | 602892.1 | 388209.0 | 0.0 | S |
| 79.767 | 0.0000 | 0.0000 | 82.568 | 0.34950 | 0.00000 | 602892.1 | 388219.5 | 0.0 | S |
| 79.775 | 0.0000 | 0.0000 | 82.568 | 0.34946 | 0.00000 | 602892.1 | 388230.0 | 0.0 | S |
| 79.783 | 0.0000 | 0.0000 | 82.568 | 0.34943 | 0.00000 | 602892.1 | 388240.5 | 0.0 | S |
| 79.792 | 0.0000 | 0.0000 | 82.568 | 0.34939 | 0.00000 | 602892.1 | 388250.9 | 0.0 | S |
| 79.800 | 0.0000 | 0.0000 | 82.568 | 0.34936 | 0.00000 | 602892.1 | 388261.4 | 0.0 | S |
| 79.808 | 0.0000 | 0.0000 | 82.567 | 0.34932 | 0.00000 | 602892.1 | 388271.9 | 0.0 | S |
| 79.817 | 0.0000 | 0.0000 | 82.567 | 0.34928 | 0.00000 | 602892.1 | 388282.4 | 0.0 | S |
| 79.825 | 0.0000 | 0.0000 | 82.567 | 0.34925 | 0.00000 | 602892.1 | 388292.8 | 0.0 | S |
| 79.833 | 0.0000 | 0.0000 | 82.567 | 0.34921 | 0.00000 | 602892.1 | 388303.3 | 0.0 | S |
| 79.842 | 0.0000 | 0.0000 | 82.567 | 0.34918 | 0.00000 | 602892.1 | 388313.8 | 0.0 | S |
| 79.850 | 0.0000 | 0.0000 | 82.567 | 0.34914 | 0.00000 | 602892.1 | 388324.3 | 0.0 | S |
| 79.858 | 0.0000 | 0.0000 | 82.566 | 0.34910 | 0.00000 | 602892.1 | 388334.8 | 0.0 | S |
| 79.867 | 0.0000 | 0.0000 | 82.566 | 0.34907 | 0.00000 | 602892.1 | 388345.2 | 0.0 | S |
| 79.875 | 0.0000 | 0.0000 | 82.566 | 0.34903 | 0.00000 | 602892.1 | 388355.7 | 0.0 | S |
| 79.883 | 0.0000 | 0.0000 | 82.566 | 0.34900 | 0.00000 | 602892.1 | 388366.2 | 0.0 | S |
| 79.892 | 0.0000 | 0.0000 | 82.566 | 0.34896 | 0.00000 | 602892.1 | 388376.7 | 0.0 | S |
| 79.900 | 0.0000 | 0.0000 | 82.565 | 0.34893 | 0.00000 | 602892.1 | 388387.1 | 0.0 | S |
| 79.908 | 0.0000 | 0.0000 | 82.565 | 0.34889 | 0.00000 | 602892.1 | 388397.6 | 0.0 | S |
| 79.917 | 0.0000 | 0.0000 | 82.565 | 0.34885 | 0.00000 | 602892.1 | 388408.0 | 0.0 | S |
| 79.925 | 0.0000 | 0.0000 | 82.565 | 0.34882 | 0.00000 | 602892.1 | 388418.5 | 0.0 | S |
| 79.933 | 0.0000 | 0.0000 | 82.565 | 0.34878 | 0.00000 | 602892.1 | 388429.0 | 0.0 | S |
| 79.942 | 0.0000 | 0.0000 | 82.565 | 0.34875 | 0.00000 | 602892.1 | 388439.4 | 0.0 | S |
| 79.950 | 0.0000 | 0.0000 | 82.564 | 0.34871 | 0.00000 | 602892.1 | 388449.9 | 0.0 | S |
| 79.958 | 0.0000 | 0.0000 | 82.564 | 0.34867 | 0.00000 | 602892.1 | 388460.3 | 0.0 | S |
| 79.967 | 0.0000 | 0.0000 | 82.564 | 0.34864 | 0.00000 | 602892.1 | 388470.8 | 0.0 | S |
| 79.975 | 0.0000 | 0.0000 | 82.564 | 0.34860 | 0.00000 | 602892.1 | 388481.3 | 0.0 | S |
| 79.983 | 0.0000 | 0.0000 | 82.564 | 0.34857 | 0.00000 | 602892.1 | 388491.7 | 0.0 | S |
| 79.992 | 0.0000 | 0.0000 | 82.564 | 0.34853 | 0.00000 | 602892.1 | 388502.2 | 0.0 | S |
| 80.000 | 0.0000 | 0.0000 | 82.563 | 0.34849 | 0.00000 | 602892.1 | 388512.7 | 0.0 | S |
| 80.008 | 0.0000 | 0.0000 | 82.563 | 0.34846 | 0.00000 | 602892.1 | 388523.1 | 0.0 | S |
| 80.017 | 0.0000 | 0.0000 | 82.563 | 0.34842 | 0.00000 | 602892.1 | 388533.6 | 0.0 | S |
| 80.025 | 0.0000 | 0.0000 | 82.563 | 0.34839 | 0.00000 | 602892.1 | 388544.0 | 0.0 | S |
| 80.033 | 0.0000 | 0.0000 | 82.563 | 0.34835 | 0.00000 | 602892.1 | 388554.5 | 0.0 | S |
| 80.042 | 0.0000 | 0.0000 | 82.563 | 0.34832 | 0.00000 | 602892.1 | 388564.9 | 0.0 | S |
| 80.050 | 0.0000 | 0.0000 | 82.562 | 0.34828 | 0.00000 | 602892.1 | 388575.3 | 0.0 | S |
| 80.058 | 0.0000 | 0.0000 | 82.562 | 0.34824 | 0.00000 | 602892.1 | 388585.8 | 0.0 | S |
| 80.067 | 0.0000 | 0.0000 | 82.562 | 0.34821 | 0.00000 | 602892.1 | 388596.3 | 0.0 | S |
| 80.075 | 0.0000 | 0.0000 | 82.562 | 0.34817 | 0.00000 | 602892.1 | 388606.7 | 0.0 | S |
| 80.083 | 0.0000 | 0.0000 | 82.562 | 0.34814 | 0.00000 | 602892.1 | 388617.1 | 0.0 | S |
| 80.092 | 0.0000 | 0.0000 | 82.562 | 0.34810 | 0.00000 | 602892.1 | 388627.6 | 0.0 | S |
| 80.100 | 0.0000 | 0.0000 | 82.561 | 0.34807 | 0.00000 | 602892.1 | 388638.0 | 0.0 | S |
| 80.108 | 0.0000 | 0.0000 | 82.561 | 0.34803 | 0.00000 | 602892.1 | 388648.5 | 0.0 | S |
| 80.117 | 0.0000 | 0.0000 | 82.561 | 0.34799 | 0.00000 | 602892.1 | 388658.9 | 0.0 | S |
| 80.125 | 0.0000 | 0.0000 | 82.561 | 0.34796 | 0.00000 | 602892.1 | 388669.3 | 0.0 | S |
| 80.133 | 0.0000 | 0.0000 | 82.561 | 0.34792 | 0.00000 | 602892.1 | 388679.8 | 0.0 | S |
| 80.142 | 0.0000 | 0.0000 | 82.560 | 0.34789 | 0.00000 | 602892.1 | 388690.2 | 0.0 | S |
| 80.150 | 0.0000 | 0.0000 | 82.560 | 0.34785 | 0.00000 | 602892.1 | 388700.7 | 0.0 | S |
| 80.158 | 0.0000 | 0.0000 | 82.560 | 0.34782 | 0.00000 | 602892.1 | 388711.1 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year $/ 24$ hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow <br> Rate <br> (ft3/s) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiffation Rate (ft ${ }^{3} \mathrm{~s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 80.167 | 0.0000 | 0.0000 | 82.560 | 0.34778 | 0.00000 | 602892.1 | 388721.5 | 0.0 | S |
| 80.175 | 0.0000 | 0.0000 | 82.560 | 0.34774 | 0.00000 | 602892.1 | 388732.0 | 0.0 | S |
| 80.183 | 0.0000 | 0.0000 | 82.560 | 0.34771 | 0.00000 | 602892.1 | 388742.4 | 0.0 | S |
| 80.192 | 0.0000 | 0.0000 | 82.559 | 0.34767 | 0.00000 | 602892.1 | 388752.8 | 0.0 | S |
| 80.200 | 0.0000 | 0.0000 | 82.559 | 0.34764 | 0.00000 | 602892.1 | 388763.3 | 0.0 | S |
| 80.208 | 0.0000 | 0.0000 | 82.559 | 0.34760 | 0.00000 | 602892.1 | 388773.7 | 0.0 | S |
| 80.217 | 0.0000 | 0.0000 | 82.559 | 0.34757 | 0.00000 | 602892.1 | 388784.1 | 0.0 | S |
| 80.225 | 0.0000 | 0.0000 | 82.559 | 0.34753 | 0.00000 | 602892.1 | 388794.5 | 0.0 | S |
| 80.233 | 0.0000 | 0.0000 | 82.559 | 0.34749 | 0.00000 | 602892.1 | 388805.0 | 0.0 | S |
| 80.242 | 0.0000 | 0.0000 | 82.558 | 0.34746 | 0.00000 | 602892.1 | 388815.4 | 0.0 | S |
| 80.250 | 0.0000 | 0.0000 | 82.558 | 0.34742 | 0.00000 | 602892.1 | 388825.8 | 0.0 | S |
| 80.258 | 0.0000 | 0.0000 | 82.558 | 0.34739 | 0.00000 | 602892.1 | 388836.2 | 0.0 | S |
| 80.267 | 0.0000 | 0.0000 | 82.558 | 0.34735 | 0.00000 | 602892.1 | 388846.7 | 0.0 | S |
| 80.275 | 0.0000 | 0.0000 | 82.558 | 0.34732 | 0.00000 | 602892.1 | 388857.1 | 0.0 | S |
| 80.283 | 0.0000 | 0.0000 | 82.558 | 0.34728 | 0.00000 | 602892.1 | 388867.5 | 0.0 | S |
| 80.292 | 0.0000 | 0.0000 | 82.557 | 0.34725 | 0.00000 | 602892.1 | 388877.9 | 0.0 | S |
| 80.300 | 0.0000 | 0.0000 | 82.557 | 0.34721 | 0.00000 | 602892.1 | 388888.3 | 0.0 | S |
| 80.308 | 0.0000 | 0.0000 | 82.557 | 0.34717 | 0.00000 | 602892.1 | 388898.8 | 0.0 | S |
| 80.317 | 0.0000 | 0.0000 | 82.557 | 0.34714 | 0.00000 | 602892.1 | 388909.2 | 0.0 | S |
| 80.325 | 0.0000 | 0.0000 | 82.557 | 0.34710 | 0.00000 | 602892.1 | 388919.6 | 0.0 | S |
| 80.333 | 0.0000 | 0.0000 | 82.557 | 0.34707 | 0.00000 | 602892.1 | 388930.0 | 0.0 | S |
| 80.342 | 0.0000 | 0.0000 | 82.556 | 0.34703 | 0.00000 | 602892.1 | 388940.4 | 0.0 | S |
| 80.350 | 0.0000 | 0.0000 | 82.556 | 0.34700 | 0.00000 | 602892.1 | 388950.8 | 0.0 | S |
| 80.358 | 0.0000 | 0.0000 | 82.556 | 0.34696 | 0.00000 | 602892.1 | 388961.2 | 0.0 | S |
| 80.367 | 0.0000 | 0.0000 | 82.556 | 0.34693 | 0.00000 | 602892.1 | 388971.6 | 0.0 | S |
| 80.375 | 0.0000 | 0.0000 | 82.556 | 0.34689 | 0.00000 | 602892.1 | 388982.0 | 0.0 | S |
| 80.383 | 0.0000 | 0.0000 | 82.556 | 0.34686 | 0.00000 | 602892.1 | 388992.4 | 0.0 | S |
| 80.392 | 0.0000 | 0.0000 | 82.555 | 0.34682 | 0.00000 | 602892.1 | 389002.8 | 0.0 | S |
| 80.400 | 0.0000 | 0.0000 | 82.555 | 0.34678 | 0.00000 | 602892.1 | 389013.3 | 0.0 | S |
| 80.408 | 0.0000 | 0.0000 | 82.555 | 0.34675 | 0.00000 | 602892.1 | 389023.7 | 0.0 0.0 | S |
| 80.417 | 0.0000 | 0.0000 | 82.555 | 0.34671 | 0.00000 | 602892.1 | 389034.1 | 0.0 | S |
| 80.425 | 0.0000 | 0.0000 | 82.555 | 0.34668 | 0.00000 | 602892.1 | 389044.4 | 0.0 | S |
| 80.433 | 0.0000 | 0.0000 | 82.555 | 0.34664 | 0.00000 | 602892.1 | 389054.8 | 0.0 | S |
| 80.442 | 0.0000 | 0.0000 | 82.554 | 0.34661 | 0.00000 | 602892.1 | 389065.3 | 0.0 | S |
| 80.450 | 0.0000 | 0.0000 | 82.554 | 0.34657 | 0.00000 | 602892.1 | 389075.7 | 0.0 | S |
| 80.458 | 0.0000 | 0.0000 | 82.554 | 0.34654 | 0.00000 | 602892.1 | 389086.0 | 0.0 | S |
| 80.467 | 0.0000 | 0.0000 | 82.554 | 0.34650 | 0.00000 | 602892.1 | 389096.4 | 0.0 | S |
| 80.475 | 0.0000 | 0.0000 | 82.554 | 0.34647 | 0.00000 | 602892.1 | 389106.8 | 0.0 | S |
| 80.483 | 0.0000 | 0.0000 | 82.553 | 0.34643 | 0.00000 | 602892.1 | 389117.2 | 0.0 | S |
| 80.492 | 0.0000 | 0.0000 | 82.553 | 0.34639 | 0.00000 | 602892.1 | 389127.6 | 0.0 | S |
| 80.500 | 0.0000 | 0.0000 | 82.553 | 0.34636 | 0.00000 | 602892.1 | 389138.0 | 0.0 | S |
| 80.508 | 0.0000 | 0.0000 | 82.553 | 0.34632 | 0.00000 | 602892.1 | 389148.4 | 0.0 | S |
| 80.517 | 0.0000 | 0.0000 | 82.553 | 0.34629 | 0.00000 | 602892.1 | 389158.8 | 0.0 | S |
| 80.525 | 0.0000 | 0.0000 | 82.553 | 0.34625 | 0.00000 | 602892.1 | 389169.2 | 0.0 | S |
| 80.533 | 0.0000 | 0.0000 | 82.552 | 0.34622 | 0.00000 | 602892.1 | 389179.6 | 0.0 | S |
| 80.542 | 0.0000 | 0.0000 | 82.552 | 0.34618 | 0.00000 | 602892.1 | 389189.9 | 0.0 | S |
| 80.550 | 0.0000 | 0.0000 | 82.552 | 0.34615 | 0.00000 | 602892.1 | 389200.3 | 0.0 | S |
| 80.558 | 0.0000 | 0.0000 | 82.552 | 0.34611 | 0.00000 | 602892.1 | 389210.7 | 0.0 | S |
| 80.567 | 0.0000 | 0.0000 | 82.552 | 0.34608 | 0.00000 | 602892.1 | 389221.1 | 0.0 | S |
| 80.575 | 0.0000 | 0.0000 | 82.552 | 0.34604 | 0.00000 | 602892.1 | 389231.5 | 0.0 | S |
| 80.583 | 0.0000 | 0.0000 | 82.551 | 0.34601 | 0.00000 | 602892.1 | 389241.9 | 0.0 | S |
| 80.592 | 0.0000 | 0.0000 | 82.551 | 0.34597 | 0.00000 | 602892.1 | 389252.3 | 0.0 | S |
| 80.600 | 0.0000 | 0.0000 | 82.551 | 0.34594 | 0.00000 | 602892.1 | 389262.6 | 0.0 | S |
| 80.608 | 0.0000 | 0.0000 | 82.551 | 0.34590 | 0.00000 | 602892.1 | 389273.0 | 0.0 | S |
| 80.617 | 0.0000 | 0.0000 | 82.551 | 0.34586 | 0.00000 | 602892.1 | 389283.4 | 0.0 | S |
| 80.625 | 0.0000 | 0.0000 | 82.551 | 0.34583 | 0.00000 | 602892.1 | 389293.8 | 0.0 | S |
| 80.633 | 0.0000 | 0.0000 | 82.550 | 0.34579 | 0.00000 | 602892.1 | 389304.1 | 0.0 | S |
| 80.642 | 0.0000 | 0.0000 | 82.550 | 0.34576 | 0.00000 | 602892.1 | 389314.5 | 0.0 | S |
| 80.650 | 0.0000 | 0.0000 | 82.550 | 0.34572 | 0.00000 | 602892.1 | 389324.9 | 0.0 | S |
| 80.658 | 0.0000 | 0.0000 | 82.550 | 0.34569 | 0.00000 | 602892.1 | 389335.3 | 0.0 | S |
| 80.667 | 0.0000 | 0.0000 | 82.550 | 0.34565 | 0.00000 | 602892.1 | 389345.6 | 0.0 | S |
| 80.675 | 0.0000 | 0.0000 | 82.550 | 0.34562 | 0.00000 | 602892.1 | 389356.0 | 0.0 | S |
| 80.683 | 0.0000 | 0.0000 | 82.549 | 0.34558 | 0.00000 | 602892.1 | 389366.3 | 0.0 | S |
| 80.692 | 0.0000 | 0.0000 | 82.549 | 0.34555 | 0.00000 | 602892.1 | 389376.7 | 0.0 | S |
| 80.700 | 0.0000 | 0.0000 | 82.549 | 0.34551 | 0.00000 | 602892.1 | 389387.1 | 0.0 | S |
| 80.708 | 0.0000 | 0.0000 | 82.549 | 0.34548 | 0.00000 | 602892.1 | 389397.4 | 0.0 | S |
| 80.717 | 0.0000 | 0.0000 | 82.549 | 0.34544 | 0.00000 | 602892.1 | 389407.8 | 0.0 | S |
| 80.725 | 0.0000 | 0.0000 | 82.549 | 0.34541 | 0.00000 | 602892.1 | 389418.2 | 0.0 | S |
| 80.733 | 0.0000 | 0.0000 | 82.548 | 0.34537 | 0.00000 | 602892.1 | 389428.5 | 0.0 | S |
| 80.742 | 0.0000 | 0.0000 | 82.548 | 0.34534 | 0.00000 | 602892.1 | 389438.9 | 0.0 | S |
| 80.750 | 0.0000 | 0.0000 | 82.548 | 0.34530 | 0.00000 | 602892.1 | 389449.3 | 0.0 | S |
| 80.758 | 0.0000 | 0.0000 | 82.548 | 0.34527 | 0.00000 | 602892.1 | 389459.6 | 0.0 | S |
| 80.767 | 0.0000 | 0.0000 | 82.548 | 0.34523 | 0.00000 | 602892.1 | 389470.0 | 0.0 | S |
| 80.775 | 0.0000 | 0.0000 | 82.548 | 0.34520 | 0.00000 | 602892.1 | 389480.3 | 0.0 | $\checkmark$ |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont, d.)
:: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation ( f datum) | Infiltration Rate (ft ${ }^{3 / 5}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{n}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 80.783 | 0.0000 | 0.0000 | 82.547 | 0.34516 | 0.00000 | 602892.1 | 389490.7 | 0.0 | S |
| 80.792 | 0.0000 | 0.0000 | 82.547 | 0.34513 | 0.00000 | 602892.1 | 389501.0 | 0.0 | S |
| 80.800 | 0.0000 | 0.0000 | 82.547 | 0.34509 | 0.00000 | 602892.1 | 389511.4 | 0.0 | S |
| 80.808 | 0.0000 | 0.0000 | 82.547 | 0.34506 | 0.00000 | 602892.1 | 389521.8 | 0.0 | S |
| 80.817 | 0.0000 | 0.0000 | 82.547 | 0.34502 | 0.00000 | 602892.1 | 389532.1 | 0.0 | S |
| 80.825 | 0.0000 | 0.0000 | 82.546 | 0.34499 | 0.00000 | 602892.1 | 389542.4 | 0.0 | S |
| 80.833 | 0.0000 | 0.0000 | 82.546 | 0.34495 | 0.00000 | 602892.1 | 389552.8 | 0.0 | S |
| 80.842 | 0.0000 | 0.0000 | 82.546 | 0.34491 | 0.00000 | 602892.1 | 389563.2 | 0.0 | S |
| 80.850 | 0.0000 | 0.0000 | 82.546 | 0.34488 | 0.00000 | 602892.1 | 389573.5 | 0.0 | S |
| 80.858 | 0.0000 | 0.0000 | 82.546 | 0.34484 | 0.00000 | 602892.1 | 389583.8 | 0.0 | S |
| 80.867 | 0.0000 | 0.0000 | 82.546 | 0.34481 | 0.00000 | 602892.1 | 389594.2 | 0.0 | S |
| 80.875 | 0.0000 | 0.0000 | 82.545 | 0.34477 | 0.00000 | 602892.1 | 389604.5 | 0.0 | S |
| 80.883 | 0.0000 | 0.0000 | 82.545 | 0.34474 | 0.00000 | 602892.1 | 389614.9 | 0.0 | S |
| 80.892 | 0.0000 | 0.0000 | 82.545 | 0.34470 | 0.00000 | 602892.1 | 389625.2 | 0.0 | S |
| 80.900 | 0.0000 | 0.0000 | 82.545 | 0.34467 | 0.00000 | 602892.1 | 389635.6 | 0.0 | S |
| 80.908 | 0.0000 | 0.0000 | 82.545 | 0.34463 | 0.00000 | 602892.1 | 389645.9 | 0.0 | S |
| 80.917 | 0.0000 | 0.0000 | 82.545 | 0.34460 | 0.00000 | 602892.1 | 389656.2 | 0.0 | S |
| 80.925 | 0.0000 | 0.0000 | 82.544 | 0.34456 | 0.00000 | 602892.1 | 389666.6 | 0.0 | S |
| 80.933 | 0.0000 | 0.0000 | 82.544 | 0.34453 | 0.00000 | 602892.1 | 389676.9 | 0.0 | S |
| 80.942 | 0.0000 | 0.0000 | 82.544 | 0.34449 | 0.00000 | 602892.1 | 389687.3 | 0.0 | S |
| 80.950 | 0.0000 | 0.0000 | 82.544 | 0.34446 | 0.00000 | 602892.1 | 389697.6 | 0.0 | S |
| 80.958 | 0.0000 | 0.0000 | 82.544 | 0.34442 | 0.00000 | 602892.1 | 389707.9 | 0.0 | S |
| 80.967 | 0.0000 | 0.0000 | 82.544 | 0.34439 | 0.00000 | 602892.1 | 389718.3 | 0.0 | S |
| 80.975 | 0.0000 | 0.0000 | 82.543 | 0.34435 | 0.00000 | 602892.1 | 389728.6 | 0.0 | S |
| 80.983 | 0.0000 | 0.0000 | 82.543 | 0.34432 | 0.00000 | 602892.1 | 389738.9 | 0.0 | S |
| 80.992 | 0.0000 | 0.0000 | 82.543 | 0.34428 | 0.00000 | 602892.1 | 389749.2 | 0.0 | S |
| 81.000 | 0.0000 | 0.0000 | 82.543 | 0.34425 | 0.00000 | 602892.1 | 389759.6 | 0.0 | S |
| 81.008 | 0.0000 | 0.0000 | 82.543 | 0.34421 | 0.00000 | 602892.1 | 389769.9 | 0.0 | S |
| 81.017 | 0.0000 | 0.0000 | 82.543 | 0.34418 | 0.00000 | 602892.1 | 389780.2 | 0.0 | S |
| 81.025 | 0.0000 | 0.0000 | 82.542 | 0.34414 | 0.00000 | 602892.1 | 389790.5 | 0.0 | S |
| 81.033 | 0.0000 | 0.0000 | 82.542 | 0.34411 | 0.00000 | 602892.1 | 389800.8 | 0.0 | S |
| 81.042 | 0.0000 | 0.0000 | 82.542 | 0.34408 | 0.00000 | 602892.1 | 389811.2 | 0.0 | S |
| 81.050 | 0.0000 | 0.0000 | 82.542 | 0.34404 | 0.00000 | 602892.1 | 389821.5 | 0.0 | S |
| 81.058 | 0.0000 | 0.0000 | 82.542 | 0.34401 | 0.00000 | 602892.1 | 389831.8 | 0.0 | S |
| 81.067 | 0.0000 | 0.0000 | 82.542 | 0.34397 | 0.00000 | 602892.1 | 389842.1 | 0.0 | S |
| 81.075 | 0.0000 | 0.0000 | 82.541 | 0.34394 | 0.00000 | 602892.1 | 389852.5 | 0.0 | S |
| 81.083 | 0.0000 | 0.0000 | 82.541 | 0.34390 | 0.00000 | 602892.1 | 389862.8 | 0.0 | S |
| 81.092 | 0.0000 | 0.0000 | 82.541 | 0.34387 | 0.00000 | 602892.1 | 389873.1 | 0.0 | S |
| 81.100 | 0.0000 | 0.0000 | 82.541 | 0.34383 | 0.00000 | 602892.1 | 389883.4 | 0.0 | S |
| 81.108 | 0.0000 | 0.0000 | 82.541 | 0.34380 | 0.00000 | 602892.1 | 389893.7 | 0.0 | S |
| 81.117 | 0.0000 | 0.0000 | 82.541 | 0.34376 | 0.00000 | 602892.1 | 389904.0 | 0.0 | S |
| 81.125 | 0.0000 | 0.0000 | 82.540 | 0.34373 | 0.00000 | 602892.1 | 389914.3 | 0.0 | S |
| 81.133 | 0.0000 | 0.0000 | 82.540 | 0.34369 | 0.00000 | 602892.1 | 389924.7 | 0.0 | S |
| 81.142 | 0.0000 | 0.0000 | 82.540 | 0.34366 | 0.00000 | 602892.1 | 389935.0 | 0.0 | S |
| 81.150 | 0.0000 | 0.0000 | 82.540 | 0.34362 | 0.00000 | 602892.1 | 389945.3 | 0.0 | S |
| 81.158 | 0.0000 | 0.0000 | 82.540 | 0.34359 | 0.00000 | 602892.1 | 389955.6 | 0.0 | S |
| 81.167 | 0.0000 | 0.0000 | 82.540 | 0.34355 | 0.00000 | 602892.1 | 389965.9 | 0.0 | S |
| 81.175 | 0.0000 | 0.0000 | 82.539 | 0.34352 | 0.00000 | 602892.1 | 389976.2 | 0.0 | S |
| 81.183 | 0.0000 | 0.0000 | 82.539 | 0.34348 | 0.00000 | 602892.1 | 389986.5 | 0.0 | S |
| 81.192 | 0.0000 | 0.0000 | 82.539 | 0.34345 | 0.00000 | 602892.1 | 389996.8 | 0.0 | S |
| 81.200 | 0.0000 | 0.0000 | 82.539 | 0.34341 | 0.00000 | 602892.1 | 390007.1 | 0.0 | S |
| 81.208 | 0.0000 | 0.0000 | 82.539 | 0.34338 | 0.00000 | 602892.1 | 390017.4 | 0.0 | S |
| 81.217 | 0.0000 | 0.0000 | 82.538 | 0.34334 | 0.00000 | 602892.1 | 390027.7 | 0.0 | S |
| 81.225 | 0.0000 | 0.0000 | 82.538 | 0.34331 | 0.00000 | 602892.1 | 390038.0 | 0.0 | S |
| 81.233 | 0.0000 | 0.0000 | 82.538 | 0.34327 | 0.00000 | 602892.1 | 390048.3 | 0.0 | S |
| 81.242 | 0.0000 | 0.0000 | 82.538 | 0.34324 | 0.00000 | 602892.1 | 390058.6 | 0.0 | S |
| 81.250 | 0.0000 | 0.0000 | 82.538 | 0.34320 | 0.00000 | 602892.1 | 390068.9 | 0.0 | S |
| 81.258 | 0.0000 | 0.0000 | 82.538 | 0.34317 | 0.00000 | 602892.1 | 390079.2 | 0.0 | S |
| 81.267 | 0.0000 | 0.0000 | 82.537 | 0.34314 | 0.00000 | 602892.1 | 390089.5 | 0.0 | S |
| 81.275 | 0.0000 | 0.0000 | 82.537 | 0.34310 | 0.00000 | 602892.1 | 390099.8 | 0.0 | S |
| 81.283 | 0.0000 | 0.0000 | 82.537 | 0.34307 | 0.00000 | 602892.1 | 390110.1 | 0.0 | S |
| 81.292 | 0.0000 | 0.0000 | 82.537 | 0.34303 | 0.00000 | 602892.1 | 390120.4 | 0.0 | S |
| 81.300 | 0.0000 | 0.0000 | 82.537 | 0.34300 | 0.00000 | 602892.1 | 390130.7 | 0.0 | S |
| 81.308 | 0.0000 | 0.0000 | 82.537 | 0.34296 | 0.00000 | 602892.1 | 390141.0 | 0.0 | S |
| 81.317 | 0.0000 | 0.0000 | 82.536 | 0.34293 | 0.00000 | 602892.1 | 390151.3 | 0.0 | S |
| 81.325 | 0.0000 | 0.0000 | 82.536 | 0.34289 | 0.00000 | 602892.1 | 390161.5 | 0.0 | S |
| 81.333 | 0.0000 | 0.0000 | 82.536 | 0.34286 | 0.00000 | 602892.1 | 390171.8 | 0.0 | S |
| 81.342 | 0.0000 | 0.0000 | 82.536 | 0.34282 | 0.00000 | 602892.1 | 390182.1 | 0.0 | S |
| 81.350 | 0.0000 | 0.0000 | 82.536 | 0.34279 | 0.00000 | 602892.1 | 390192.4 | 0.0 | S |
| 81.358 | 0.0000 | 0.0000 | 82.536 | 0.34275 | 0.00000 | 602892.1 | 390202.7 | 0.0 | S |
| 81.367 | 0.0000 | 0.0000 | 82.535 | 0.34272 | 0.00000 | 602892.1 | 390212.9 | 0.0 | S |
| 81.375 | 0.0000 | 0.0000 | 82.535 | 0.34268 | 0.00000 | 602892.1 | 390223.2 | 0.0 | S |
| 81.383 | 0.0000 | 0.0000 | 82.535 | 0.34265 | 0.00000 | 602892.1 | 390233.5 | 0.0 | S |
| 81.392 | 0.0000 | 0.0000 | 82.535 | 0.34262 | 0.00000 | 602892.1 | 390243.8 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (fUday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{1} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative <br> Discharge <br> Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 81.400 | 0.0000 | 0.0000 | 82.535 | 0.34258 | 0.00000 | 602892.1 | 390254.1 | 0.0 | S |
| 81.408 | 0.0000 | 0.0000 | 82.535 | 0.34255 | 0.00000 | 602892.1 | 390264.3 | 0.0 | S |
| 81.417 | 0.0000 | 0.0000 | 82.534 | 0.34251 | 0.00000 | 602892.1 | 390274.6 | 0.0 | S |
| 81.425 | 0.0000 | 0.0000 | 82.534 | 0.34248 | 0.00000 | 602892.1 | 390284.9 | 0.0 | S |
| 81.433 | 0.0000 | 0.0000 | 82.534 | 0.34244 | 0.00000 | 602892.1 | 390295.2 | 0.0 | S |
| 81.442 | 0.0000 | 0.0000 | 82.534 | 0.34241 | 0.00000 | 602892.1 | 390305.4 | 0.0 | S |
| 81.450 | 0.0000 | 0.0000 | 82.534 | 0.34237 | 0.00000 | 602892.1 | 390315.7 | 0.0 | S |
| 81.458 | 0.0000 | 0.0000 | 82.534 | 0.34234 | 0,00000 | 602892.1 | 390326.0 | 0.0 | S |
| 81.467 | 0.0000 | 0.0000 | 82.533 | 0.34230 | 0.00000 | 602892.1 | 390336.3 | 0.0 | S |
| 81.475 | 0.0000 | 0.0000 | 82.533 | 0.34227 | 0.00000 | 602892.1 | 390346.5 | 0.0 | S |
| 81.483 | 0.0000 | 0.0000 | 82.533 | 0.34224 | 0.00000 | 602892.1 | 390356.8 | 0.0 | S |
| 81.492 | 0.0000 | 0.0000 | 82.533 | 0.34220 | 0.00000 | 602892.1 | 390367.1 | 0.0 | S |
| 81.500 | 0.0000 | 0.0000 | 82.533 | 0.34217 | 0.00000 | 602892.1 | 390377.3 | 0.0 | S |
| 81.508 | 0.0000 | 0.0000 | 82.533 | 0.34213 | 0.00000 | 602892.1 | 390387.6 | 0.0 | S |
| 81.517 | 0.0000 | 0.0000 | 82.532 | 0.34210 | 0.00000 | 602892.1 | 390397.8 | 0.0 | S |
| 81.525 | 0.0000 | 0.0000 | 82.532 | 0.34206 | 0.00000 | 602892.1 | 390408.1 | 0.0 | S |
| 81.533 | 0.0000 | 0.0000 | 82.532 | 0.34203 | 0.00000 | 602892.1 | 390418.4 | 0.0 | S |
| 81.542 | 0.0000 | 0.0000 | 82.532 | 0.34199 | 0.00000 | 602892.1 | 390428.6 | 0.0 | S |
| 81.550 | 0.0000 | 0.0000 | 82.532 | 0.34196 | 0.00000 | 602892.1 | 390438.9 | 0.0 | S |
| 81.558 | 0.0000 | 0.0000 | 82.532 | 0.34192 | 0.00000 | 602892.1 | 390449,2 | 0.0 | S |
| 81.567 | 0.0000 | 0.0000 | 82.531 | 0.34189 | 0.00000 | 602892.1 | 390459.4 | 0.0 | S |
| 81.575 | 0.0000 | 0.0000 | 82.531 | 0.34186 | 0.00000 | 602892.1 | 390469.7 | 0.0 | S |
| 81.583 | 0.0000 | 0.0000 | 82.531 | 0.34182 | 0.00000 | 602892.1 | 390479.9 | 0.0 | S |
| 81.592 | 0.0000 | 0.0000 | 82.531 | 0.34179 | 0.00000 | 602892.1 | 390490.2 | 0.0 | S |
| 81.600 | 0.0000 | 0.0000 | 82.531 | 0.34175 | 0.00000 | 602892.1 | 390500.4 | 0.0 | S |
| 81.608 | 0.0000 | 0.0000 | 82.531 | 0.34172 | 0.00000 | 602892.1 | 390510.7 | 0.0 | S |
| 81.617 | 0.0000 | 0.0000 | 82.530 | 0.34168 | 0.00000 | 602892.1 | 390520.9 | 0.0 | S |
| 81.625 | 0.0000 | 0.0000 | 82.530 | 0.34165 | 0.00000 | 602892.1 | 390531.2 | 0.0 | S |
| 81.633 | 0.0000 | 0.0000 | 82.530 | 0.34162 | 0.00000 | 602892.1 | 390541.4 | 0.0 | S |
| 81.642 | 0.0000 | 0.0000 | 82.530 | 0.34158 | 0.00000 | 602892.1 | 390551.7 | 0.0 | S |
| 81.650 | 0.0000 | 0.0000 | 82.530 | 0.34155 | 0.00000 | 602892.1 | 390561.9 | 0.0 | S |
| 81.658 | 0.0000 | 0.0000 | 82.530 | 0.34151 | 0.00000 | 602892.1 | 390572.2 | 0.0 | S |
| 81.667 | 0.0000 | 0.0000 | 82.529 | 0.34148 | 0.00000 | 602892.1 | 390582.4 | 0.0 | S |
| 81.675 | 0.0000 | 0.0000 | 82.529 | 0.34144 | 0.00000 | 602892.1 | 390592.7 | 0.0 | S |
| 81.683 | 0.0000 | 0.0000 | 82.529 | 0.34141 | 0.00000 | 602892.1 | 390602.9 | 0.0 | S |
| 81.692 | 0.0000 | 0.0000 | 82.529 | 0.34137 | 0.00000 | 602892.1 | 390613.2 | 0.0 | S |
| 81.700 | 0.0000 | 0.0000 | 82.529 | 0.34134 | 0.00000 | 602892.1 | 390623.4 | 0.0 | S |
| 81.708 | 0.0000 | 0.0000 | 82.529 | 0.34131 | 0.00000 | 602892.1 | 390633.6 | 0.0 | S |
| 81.717 | 0.0000 | 0.0000 | 82.528 | 0.34127 | 0.00000 | 602892.1 | 390643.9 | 0.0 | S |
| 81.725 | 0.0000 | 0.0000 | 82.528 | 0.34124 | 0.00000 | 602892.1 | 390654.1 | 0.0 | S |
| 81.733 | 0.0000 | 0.0000 | 82.528 | 0.34120 | 0.00000 | 602892.1 | 390664.3 | 0.0 | S |
| 81.742 | 0.0000 | 0.0000 | 82.528 | 0.34117 | 0.00000 | 602892.1 | 390674.6 | 0.0 | S |
| 81.750 | 0.0000 | 0.0000 | 82.528 | 0.34113 | 0.00000 | 602892.1 | 390684.8 | 0.0 | S |
| 81.758 | 0.0000 | 0.0000 | 82.528 | 0.34110 | 0.00000 | 602892.1 | 390695.0 | 0.0 | S |
| 81.767 | 0.0000 | 0.0000 | 82.527 | 0.34107 | 0.00000 | 602892.1 | 390705.3 | 0.0 | S |
| 81.775 | 0.0000 | 0.0000 | 82.527 | 0.34103 | 0.00000 | 602892.1 | 390715.5 | 0.0 | S |
| 81.783 | 0.0000 | 0.0000 | 82.527 | 0.34100 | 0.00000 | 602892.1 | 390725.8 | 0.0 | S |
| 81.792 | 0.0000 | 0.0000 | 82.527 | 0.34096 | 0.00000 | 602892.1 | 390736.0 | 0.0 | S |
| 81.800 | 0.0000 | 0.0000 | 82.527 | 0.34093 | 0.00000 | 602892.1 | 390746.2 | 0.0 | S |
| 81.808 | 0.0000 | 0.0000 | 82.526 | 0.34089 | 0.00000 | 602892.1 | 390756.4 | 0.0 | S |
| 81.817 | 0.0000 | 0.0000 | 82.526 | 0.34086 | 0.00000 | 602892.1 | 390766.7 | 0.0 | S |
| 81.825 | 0.0000 | 0.0000 | 82.526 | 0.34083 | 0.00000 | 602892.1 | 390776.9 | 0.0 | S |
| 81.833 | 0.0000 | 0.0000 | 82.526 | 0.34079 | 0.00000 | 602892.1 | 390787.1 | 0.0 | S |
| 81.842 | 0.0000 | 0.0000 | 82.526 | 0.34076 | 0.00000 | 602892.1 | 390797.3 | 0.0 | S |
| 81.850 | 0.0000 | 0.0000 | 82.526 | 0.34072 | 0.00000 | 602892.1 | 390807.5 | 0.0 | S |
| 81.858 | 0.0000 | 0.0000 | 82.525 | 0.34069 | 0.00000 | 602892.1 | 390817.8 | 0.0 | S |
| 81.867 | 0.0000 | 0.0000 | 82.525 | 0.34065 | 0.00000 | 602892.1 | 390828.0 | 0.0 | S |
| 81.875 | 0.0000 | 0.0000 | 82.525 | 0.34062 | 0.00000 | 602892.1 | 390838.2 | 0.0 | S |
| 81.883 | 0.0000 | 0.0000 | 82.525 | 0.34059 | 0.00000 | 602892.1 | 390848.4 | 0.0 | S |
| 81.892 | 0.0000 | 0.0000 | 82.525 | 0.34055 | 0.00000 | 602892.1 | 390858.6 | 0.0 | S |
| 81.900 | 0.0000 | 0.0000 | 82.525 | 0.34052 | 0.00000 | 602892.1 | 390868.8 | 0.0 | S |
| 81.908 | 0.0000 | 0.0000 | 82.524 | 0.34048 | 0.00000 | 602892.1 | 390879.1 | 0.0 | S |
| 81.917 | 0.0000 | 0.0000 | 82.524 | 0.34045 | 0.00000 | 602892.1 | 390889.3 | 0.0 | S |
| 81.925 | 0.0000 | 0.0000 | 82.524 | 0.34042 | 0.00000 | 602892.1 | 390899.5 | 0.0 | S |
| 81.933 | 0.0000 | 0.0000 | 82.524 | 0.34038 | 0.00000 | 602892.1 | 390909.7 | 0.0 | S |
| 81.942 | 0.0000 | 0.0000 | 82.524 | 0.34035 | 0.00000 | 602892.1 | 390919.9 | 0.0 | S |
| 81.950 | 0.0000 | 0.0000 | 82.524 | 0.34031 | 0.00000 | 602892.1 | 390930.1 | 0.0 | S |
| 81.958 | 0.0000 | 0.0000 | 82.523 | 0.34028 | 0.00000 | 602892.1 | 390940.3 | 0.0 | S |
| 81.967 | 0.0000 | 0.0000 | 82.523 | 0.34024 | 0.00000 | 602892.1 | 390950.5 | 0.0 | S |
| 81.975 | 0.0000 | 0.0000 | 82.523 | 0.34021 | 0.00000 | 602892.1 | 390960.8 | 0.0 | S |
| 81.983 | 0.0000 | 0.0000 | 82.523 | 0.34018 | 0.00000 | 602892.1 | 390971.0 | 0.0 | S |
| 81.992 | 0.0000 | 0.0000 | 82.523 | 0.34014 | 0.00000 | 602892.1 | 390981.2 | 0.0 | S |
| 82.000 | 0.0000 | 0.0000 | 82.523 | 0.34011 | 0.00000 | 602892.1 | 390991.4 | 0.0 | S |
| 82.008 | 0.0000 | 0.0000 | 82.522 | 0.34007 | 0.00000 | 602892.1 | 391001.6 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $11^{3 /} / \mathrm{s}$ ) | Outside Recharge (fiday) | Stage Elevation ( 4 datum) | Infiltration Rate ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Overflow Discharge $\left(\mathrm{H}^{3} / \mathrm{s}\right)$ | Cumulative inflow Voiume ( $\mathrm{t}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 82.017 | 0.0000 | 0.0000 | 82.522 | 0.34004 | 0.00000 | 602892.1 | 391011.8 | 0.0 | S |
| 82.025 | 0.0000 | 0.0000 | 82.522 | 0.34001 | 0.00000 | 602892.1 | 391022.0 | 0.0 | S |
| 82.033 | 0.0000 | 0.0000 | 82.522 | 0.33997 | 0.00000 | 602892.1 | 391032.2 | 0.0 | S |
| 82.042 | 0.0000 | 0.0000 | 82.522 | 0.33994 | 0.00000 | 602892.1 | 391042.4 | 0.0 | S |
| 82.050 | 0.0000 | 0.0000 | 82.522 | 0.33990 | 0.00000 | 602892.1 | 391052.6 | 0.0 | S |
| 82.058 | 0.0000 | 0.0000 | 82.521 | 0.33987 | 0.00000 | 602892.1 | 391062.8 | 0.0 | S |
| 82.067 | 0.0000 | 0.0000 | 82.521 | 0.33984 | 0.00000 | 602892.1 | 391073.0 | 0.0 | S |
| 82.075 | 0.0000 | 0.0000 | 82.521 | 0.33980 | 0.00000 | 602892.1 | 391083.2 | 0.0 | S |
| 82.083 | 0.0000 | 0.0000 | 82.521 | 0.33977 | 0.00000 | 602892.1 | 391093.3 | 0.0 | S |
| 82.092 | 0.0000 | 0.0000 | 82.521 | 0.33973 | 0.00000 | 602892.1 | 391103.5 | 0.0 | S |
| 82.100 | 0.0000 | 0.0000 | 82.521 | 0.33970 | 0.00000 | 602892.1 | 391113.7 | 0.0 | S |
| 82.108 | 0.0000 | 0.0000 | 82.520 | 0.33967 | 0.00000 | 602892.1 | 391123.9 | 0.0 | S |
| 82.117 | 0.0000 | 0.0000 | 82.520 | 0.33963 | 0.00000 | 602892.1 | 391134.1 | 0.0 | S |
| 82.125 | 0.0000 | 0.0000 | 82.520 | 0.33960 | 0.00000 | 602892.1 | 391144.3 | 0.0 | S |
| 82.133 | 0.0000 | 0.0000 | 82.520 | 0.33956 | 0.00000 | 602892.1 | 391154.5 | 0.0 | S |
| 82.142 | 0.0000 | 0.0000 | 82.520 | 0.33953 | 0.00000 | 602892.1 | 391164.7 | 0.0 | S |
| 82.150 | 0.0000 | 0.0000 | 82.520 | 0.33950 | 0.00000 | 602892.1 | 391174.9 | 0.0 | S |
| 82.158 | 0.0000 | 0.0000 | 82.519 | 0.33946 | 0.00000 | 602892.1 | 391185.0 | 0.0 | S |
| 82.167 | 0.0000 | 0.0000 | 82.519 | 0.33943 | 0.00000 | 602892.1 | 391195.2 | 0.0 | S |
| 82.175 | 0.0000 | 0.0000 | 82.519 | 0.33939 | 0.00000 | 602892.1 | 391205.4 | 0.0 | S |
| 82.183 | 0.0000 | 0.0000 | 82.519 | 0.33936 | 0.00000 | 602892.1 | 391215.6 | 0.0 | S |
| 82.192 | 0.0000 | 0.0000 | 82.519 | 0.33933 | 0.00000 | 602892.1 | 391225.8 | 0.0 | S |
| 82.200 | 0.0000 | 0.0000 | 82.519 | 0.33929 | 0.00000 | 602892.1 | 391235.9 | 0.0 | S |
| 82.208 | 0.0000 | 0.0000 | 82.518 | 0.33926 | 0.00000 | 602892.1 | 391246.1 | 0.0 | S |
| 82.217 | 0.0000 | 0.0000 | 82.518 | 0.33922 | 0.00000 | 602892.1 | 391256.3 | 0.0 | S |
| 82.225 | 0.0000 | 0.0000 | 82.518 | 0.33919 | 0.00000 | 602892.1 | 391266.5 | 0.0 | S |
| 82.233 | 0.0000 | 0.0000 | 82.518 | 0.33916 | 0.00000 | 602892.1 | 391276.7 | 0.0 | S |
| 82.242 | 0.0000 | 0.0000 | 82.518 | 0.33912 | 0.00000 | 602892.1 | 391286.8 | 0.0 | S |
| 82.250 | 0.0000 | 0.0000 | 82.518 | 0.33909 | 0.00000 | 602892.1 | 391297.0 | 0.0 | S |
| 82.258 | 0.0000 | 0.0000 | 82.517 | 0.33905 | 0.00000 | 602892.1 | 391307.2 | 0.0 | S |
| 82.267 | 0.0000 | 0.0000 | 82.517 | 0.33902 | 0.00000 | 602892.1 | 391317.3 | 0.0 | S |
| 82.275 | 0.0000 | 0.0000 | 82.517 | 0.33899 | 0.00000 | 602892.1 | 391327.5 | 0.0 | S |
| 82.283 | 0.0000 | 0.0000 | 82.517 | 0.33895 | 0.00000 | 602892.1 | 391337.7 | 0.0 | S |
| 82.292 | 0.0000 | 0.0000 | 82.517 | 0.33892 | 0.00000 | 602892.1 | 391347.8 | 0.0 | S |
| 82.300 | 0.0000 | 0.0000 | 82.517 | 0.33889 | 0.00000 | 602882.1 | 391358.0 | 0.0 | S |
| 82.308 | 0.0000 | 0.0000 | 82.516 | 0.33885 | 0.00000 | 602892.1 | 391368.2 | 0.0 | S |
| 82.317 | 0.0000 | 0.0000 | 82.516 | 0.33882 | 0.00000 | 602892.1 | 391378.3 | 0.0 | S |
| 82.325 | 0.0000 | 0.0000 | 82.516 | 0.33878 | 0.00000 | 602892.1 | 391388.5 | 0.0 | S |
| 82.333 | 0.0000 | 0.0000 | 82.516 | 0.33875 | 0.00000 | 602892.1 | 391398.7 | 0.0 | S |
| 82.342 | 0.0000 | 0.0000 | 82.516 | 0.33872 | 0.00000 | 602892.1 | 391408.8 | 0.0 | S |
| 82.350 | 0.0000 | 0.0000 | 82.516 | 0.33868 | 0.00000 | 602892.1 | 391419.0 | 0.0 | S |
| 82.358 | 0.0000 | 0.0000 | 82.515 | 0.33865 | 0.00000 | 602892.1 | 391429.2 | 0.0 | S |
| 82.367 | 0.0000 | 0.0000 | 82.515 | 0.33861 | 0.00000 | 602892.1 | 391439.3 | 0.0 | S |
| 82.375 | 0.0000 | 0.0000 | 82.515 | 0.33858 | 0.00000 | 602892.1 | 391449.5 | 0.0 | S |
| 82.383 | 0.0000 | 0.0000 | 82.515 | 0.33855 | 0.00000 | 602892.1 | 391459.6 | 0.0 | S |
| 82.392 | 0.0000 | 0.0000 | 82.515 | 0.33851 | 0.00000 | 602892.1 | 391469.8 | 0.0 | S |
| 82.400 | 0.0000 | 0.0000 | 82.515 | 0.33848 | 0.00000 | 602892.1 | 391479.9 | 0.0 | S |
| 82.408 | 0.0000 | 0.0000 | 82.514 | 0.33845 | 0.00000 | 602892.1 | 391490.1 | 0.0 | S |
| 82.417 | 0.0000 | 0.0000 | 82.514 | 0.33841 | 0.00000 | 602892.1 | 391500.3 | 0.0 | S |
| 82.425 | 0.0000 | 0.0000 | 82.514 | 0.33838 | 0.00000 | 602892.1 | 391510.4 | 0.0 | S |
| 82.433 | 0.0000 | 0.0000 | 82.514 | 0.33834 | 0.00000 | 602892.1 | 391520.6 | 0.0 | S |
| 82.442 | 0.0000 | 0.0000 | 82.514 | 0.33831 | 0.00000 | 602892.1 | 391530.7 | 0.0 | S |
| 82.450 | 0.0000 | 0.0000 | 82.514 | 0.33828 | 0.00000 | 602892.1 | 391540.8 | 0.0 | S |
| 82.458 | 0.0000 | 0.0000 | 82.513 | 0.33824 | 0.00000 | 602892.1 | 391551.0 | 0.0 | S |
| 82.467 | 0.0000 | 0.0000 | 82.513 | 0.33821 | 0.00000 | 602892.1 | 391561.2 | 0.0 | S |
| 82.475 | 0.0000 | 0.0000 | 82.513 | 0.33818 | 0.00000 | 602892.1 | 391571.3 | 0.0 | S |
| 82.483 | 0.0000 | 0.0000 | 82.513 | 0.33814 | 0.00000 | 602892.1 | 391581.4 | 0.0 | S |
| 82.492 | 0.0000 | 0.0000 | 82.513 | 0.33811 | 0.00000 | 602892.1 | 391591.6 | 0.0 | S |
| 82.500 | 0.0000 | 0.0000 | 82.513 | 0.33808 | 0.00000 | 602892.1 | 391601.7 | 0.0 | S |
| 82.508 | 0.0000 | 0.0000 | 82.512 | 0.33804 | 0.00000 | 602892.1 | 391611.9 | 0.0 | S |
| 82.517 | 0.0000 | 0.0000 | 82.512 | 0.33801 | 0.00000 | 602892.1 | 391622.0 | 0.0 | S |
| 82.525 | 0.0000 | 0.0000 | 82.512 | 0.33797 | 0.00000 | 602892.1 | 391632.2 | 0.0 | S |
| 82.533 | 0.0000 | 0.0000 | 82.512 | 0.33794 | 0.00000 | 602892.1 | 391642.3 | 0.0 | S |
| 82.542 | 0.0000 | 0.0000 | 82.512 | 0.33791 | 0.00000 | 602892.1 | 391652.4 | 0.0 | S |
| 82.550 | 0.0000 | 0.0000 | 82.512 | 0.33787 | 0.00000 | 602892.1 | 391662.6 | 0.0 | S |
| 82.558 | 0.0000 | 0.0000 | 82.511 | 0.33784 | 0.00000 | 602892.1 | 391672.7 | 0.0 | S |
| 82.567 | 0.0000 | 0.0000 | 82.511 | 0.33781 | 0.00000 | 602892.1 | 391682.8 | 0.0 | S |
| 82.575 | 0.0000 | 0.0000 | 82.511 | 0.33777 | 0.00000 | 602892.1 | 391693.0 | 0.0 | S |
| 82.583 | 0.0000 | 0.0000 | 82.511 | 0.33774 | 0.00000 | 602892.1 | 391703.1 | 0.0 | S |
| 82.592 | 0.0000 | 0.0000 | 82.511 | 0.33770 | 0.00000 | 602892.1 | 391713.2 | 0.0 | S |
| 82.600 | 0.0000 | 0.0000 | 82.511 | 0.33767 | 0.00000 | 602892.1 | 391723.4 | 0.0 | S |
| 82.608 | 0.0000 | 0.0000 | 82.510 | 0.33764 | 0.00000 | 602892.1 | 391733.5 | 0.0 | S |
| 82.617 | 0.0000 | 0.0000 | 82.510 | 0.33760 | 0.00000 | 602892.1 | 391743.6 | 0.0 | S |
| 82.625 | 0.0000 | 0.0000 | 82.510 | 0.33757 | 0.00000 | 602892.1 | 391753.8 | 0.0 | S |

PONDS Version 3.2.0207

# Retention Pond Recovery - Refined Method <br> Copyright 2003 

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{fl}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation ( ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 82.633 | 0.0000 | 0.0000 | 82.510 | 0.33754 | 0.00000 | 602892.1 | 391763.9 | 0.0 | S |
| 82.642 | 0.0000 | 0.0000 | 82.510 | 0.33750 | 0.00000 | 602892.1 | 391774.0 | 0.0 | S |
| 82.650 | 0.0000 | 0.0000 | 82.510 | 0.33747 | 0.00000 | 602892.1 | 391784.1 | 0.0 | S |
| 82.658 | 0.0000 | 0.0000 | 82.509 | 0.33744 | 0.00000 | 602892.1 | 391794.3 | 0.0 | S |
| 82.667 | 0.0000 | 0.0000 | 82.509 | 0.33740 | 0.00000 | 602892.1 | 391804.4 | 0.0 | S |
| 82.675 | 0.0000 | 0.0000 | 82.509 | 0.33737 | 0.00000 | 602892.1 | 391814.5 | 0.0 | S |
| 82.683 | 0.0000 | 0.0000 | 82.509 | 0.33734 | 0.00000 | 602892.1 | 391824.6 | 0.0 | S |
| 82.692 | 0.0000 | 0.0000 | 82.509 | 0.33730 | 0.00000 | 602892.1 | 391834.7 | 0.0 | S |
| 82.700 | 0.0000 | 0.0000 | 82.509 | 0.33727 | 0.00000 | 602892.1 | 391844.8 | 0.0 | S |
| 82.708 | 0.0000 | 0.0000 | 82.508 | 0.33724 | 0.00000 | 602892.1 | 391855.0 | 0.0 | S |
| 82.717 | 0.0000 | 0.0000 | 82.508 | 0.33720 | 0.00000 | 602892.1 | 391865.1 | 0.0 | S |
| 82.725 | 0.0000 | 0.0000 | 82.508 | 0.33717 | 0.00000 | 602892.1 | 391875.2 | 0.0 | S |
| 82.733 | 0.0000 | 0.0000 | 82.508 | 0.33713 | 0.00000 | 602892.1 | 391885.3 | 0.0 | S |
| 82.742 | 0.0000 | 0.0000 | 82.508 | 0.33710 | 0.00000 | 602892.1 | 391895.4 | 0.0 | S |
| 82.750 | 0.0000 | 0.0000 | 82.508 | 0.33707 | 0.00000 | 602892.1 | 391905.5 | 0.0 | S |
| 82.758 | 0.0000 | 0.0000 | 82.507 | 0.33703 | 0.00000 | 602892.1 | 391915.7 | 0.0 | S |
| 82.767 | 0.0000 | 0.0000 | 82.507 | 0.33700 | 0.00000 | 602892.1 | 391925.8 | 0.0 | S |
| 82.775 | 0.0000 | 0.0000 | 82.507 | 0.33697 | 0.00000 | 602892.1 | 391935.9 | 0.0 | S |
| 82.783 | 0.0000 | 0.0000 | 82.507 | 0.33693 | 0.00000 | 602892.1 | 391946.0 | 0.0 | S |
| 82.792 | 0.0000 | 0.0000 | 82.507 | 0.33690 | 0.00000 | 602892.1 | 391956.1 | 0.0 | S |
| 82.800 | 0.0000 | 0.0000 | 82.507 | 0.33687 | 0.00000 | 602892.1 | 391966.2 | 0.0 | S |
| 82.808 | 0.0000 | 0.0000 | 82.506 | 0.33683 | 0.00000 | 602892.1 | 391976.3 | 0.0 | S |
| 82.817 | 0.0000 | 0.0000 | 82.506 | 0.33680 | 0.00000 | 602892.1 | 391986.4 | 0.0 | S |
| 82.825 | 0.0000 | 0.0000 | 82.506 | 0.33677 | 0.00000 | 602892.1 | 391996.5 | 0.0 | S |
| 82.833 | 0.0000 | 0.0000 | 82.506 | 0.33673 | 0.00000 | 602892.1 | 392006.6 | 0.0 | S |
| 82.842 | 0.0000 | 0.0000 | 82.506 | 0.33670 | 0.00000 | 602892.1 | 392016.7 | 0.0 | S |
| 82.850 | 0.0000 | 0.0000 | 82.506 | 0.33667 | 0.00000 | 602892.1 | 392026.8 | 0.0 | S |
| 82.858 | 0.0000 | 0.0000 | 82.505 | 0.33663 | 0.00000 | 602892.1 | 392036.9 | 0.0 | S |
| 82.867 | 0.0000 | 0.0000 | 82.505 | 0.33660 | 0.00000 | 602892.1 | 392047.0 | 0.0 | S |
| 82.875 | 0.0000 | 0.0000 | 82.505 | 0.33657 | 0.00000 | 602892.1 | 392057.1 | 0.0 | S |
| 82.883 | 0.0000 | 0.0000 | 82.505 | 0.33653 | 0.00000 | 602892.1 | 392067.2 | 0.0 | S |
| 82.892 | 0.0000 | 0.0000 | 82.505 | 0.33650 | 0.00000 | 602892.1 | 392077.3 | 0.0 | S |
| 82.900 | 0.0000 | 0.0000 | 82.505 | 0.33647 | 0.00000 | 602892.1 | 392087.4 | 0.0 | S |
| 82.908 | 0.0000 | 0.0000 | 82.504 | 0.33643 | 0.00000 | 602892.1 | 392097.5 | 0.0 | S |
| 82.917 | 0.0000 | 0.0000 | 82.504 | 0.33640 | 0.00000 | 602892.1 | 392107.6 | 0.0 | S |
| 82.925 | 0.0000 | 0.0000 | 82.504 | 0.33637 | 0.00000 | 602892.1 | 392117.7 | 0.0 | S |
| 82.933 | 0.0000 | 0.0000 | 82.504 | 0.33633 | 0.00000 | 602892.1 | 392127.8 | 0.0 | S |
| 82.942 | 0.0000 | 0.0000 | 82.504 | 0.33630 | 0.00000 | 602892.1 | 392137.8 | 0.0 | S |
| 82.950 | 0.0000 | 0.0000 | 82.504 | 0.33627 | 0.00000 | 602892.1 | 392147.9 | 0.0 | S |
| 82.958 | 0.0000 | 0.0000 | 82.503 | 0.33623 | 0.00000 | 602892.1 | 392158.0 | 0.0 | S |
| 82.967 | 0.0000 | 0.0000 | 82.503 | 0.33620 | 0.00000 | 602892.1 | 392168.1 | 0.0 | S |
| 82.975 | 0.0000 | 0.0000 | 82.503 | 0.33617 | 0.00000 | 602892.1 | 392178.2 | 0.0 | S |
| 82.983 | 0.0000 | 0.0000 | 82.503 | 0.33613 | 0.00000 | 602892.1 | 392188.3 | 0.0 | S |
| 82.992 | 0.0000 | 0.0000 | 82.503 | 0.33610 | 0.00000 | 602892.1 | 392198.4 | 0.0 | S |
| 83.000 | 0.0000 | 0.0000 | 82.503 | 0.33607 | 0.00000 | 602892.1 | 392208.4 | 0.0 | S |
| 83.008 | 0.0000 | 0.0000 | 82.502 | 0.33603 | 0.00000 | 602892.1 | 392218.5 | 0.0 | S |
| 83.017 | 0.0000 | 0.0000 | 82.502 | 0.33600 | 0.00000 | 602892.1 | 392228.6 | 0.0 | S |
| 83.025 | 0.0000 | 0.0000 | 82.502 | 0.33597 | 0.00000 | 602892.1 | 392238.7 | 0.0 | S |
| 83.033 | 0.0000 | 0.0000 | 82.502 | 0.33593 | 0.00000 | 602892.1 | 392248.8 | 0.0 | S |
| 83.042 | 0.0000 | 0.0000 | 82.502 | 0.33590 | 0.00000 | 602892.1 | 392258.8 | 0.0 | S |
| 83.050 | 0.0000 | 0.0000 | 82.502 | 0.33587 | 0.00000 | 602892.1 | 392268.9 | 0.0 | S |
| 83.058 | 0.0000 | 0.0000 | 82.501 | 0.33583 | 0.00000 | 602892.1 | 392279.0 | 0.0 | S |
| 83.067 | 0.0000 | 0.0000 | 82.501 | 0.33580 | 0.00000 | 602892.1 | 392289.1 | 0.0 | S |
| 83.075 | 0.0000 | 0.0000 | 82.501 | 0.33577 | 0.00000 | 602892.1 | 392299.2 | 0.0 | S |
| 83.083 | 0.0000 | 0.0000 | 82.501 | 0.33573 | 0.00000 | 602892.1 | 392309.2 | 0.0 | S |
| 83.092 | 0.0000 | 0.0000 | 82.501 | 0.33570 | 0.00000 | 602892.1 | 392319.3 | 0.0 | S |
| 83.100 | 0.0000 | 0.0000 | 82.501 | 0.33567 | 0.00000 | 602892.1 | 392329.4 | 0.0 | S |
| 83.108 | 0.0000 | 0.0000 | 82.500 | 0.33563 | 0.00000 | 602892.1 | 392339.4 | 0.0 | S |
| 83.117 | 0.0000 | 0.0000 | 82.500 | 0.33560 | 0.00000 | 602892.1 | 392349.5 | 0.0 | S |
| 83.125 | 0.0000 | 0.0000 | 82.500 | 0.33557 | 0.00000 | 602892.1 | 392359.6 | 0.0 | S |
| 83.133 | 0.0000 | 0.0000 | 82.500 | 0.33553 | 0.00000 | 602892.1 | 392369.6 | 0.0 | S |
| 83.142 | 0.0000 | 0.0000 | 82.500 | 0.33550 | 0.00000 | 602892.1 | 392379.7 | 0.0 | S |
| 83.150 | 0.0000 | 0.0000 | 82.500 | 0.33547 | 0.00000 | 602892.1 | 392389.8 | 0.0 | S |
| 83.158 | 0.0000 | 0.0000 | 82.499 | 0.33544 | 0.00000 | 602892.1 | 392399.8 | 0.0 | S |
| 83.167 | 0.0000 | 0.0000 | 82.499 | 0.33540 | 0.00000 | 602892.1 | 392409.9 | 0.0 | S |
| 83.175 | 0.0000 | 0.0000 | 82.499 | 0.33537 | 0.00000 | 602892.1 | 392420.0 | 0.0 | S |
| 83.183 | 0.0000 | 0.0000 | 82.499 | 0.33534 | 0.00000 | 602892.1 | 392430.0 | 0.0 | S |
| 83.192 | 0.0000 | 0.0000 | 82.499 | 0.33530 | 0.00000 | 602892.1 | 392440.1 | 0.0 | S |
| 83.200 | 0.0000 | 0.0000 | 82.499 | 0.33527 | 0.00000 | 602892.1 | 392450.1 | 0.0 | S |
| 83.208 | 0.0000 | 0.0000 | 82.498 | 0.33524 | 0.00000 | 602892.1 | 392460.2 | 0.0 | S |
| 83.217 | 0.0000 | 0.0000 | 82.498 | 0.33520 | 0.00000 | 602892.1 | 392470.3 | 0.0 | S |
| 83.225 | 0.0000 | 0.0000 | 82.498 | 0.33517 | 0.00000 | 602892.1 | 392480.3 | 0.0 | S |
| 83.233 | 0.0000 | 0.0000 | 82.498 | 0.33514 | 0.00000 | 602892.1 | 392490.3 | 0.0 | S |
| 83.242 | 0.0000 | 0.0000 | 82.498 | 0.33510 | 0.00000 | 602892.1 | 392500.4 | 0.0 | S |

PONDS Version 3.2.0207

# Retention Pond Recovery - Refined Method <br> Copyright 2003 

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ftday) | Stage Elevation ( H datum) | Infittration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Infiow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 83.250 | 0.0000 | 0.0000 | 82.498 | 0.33507 | 0.00000 | 602892.1 | 392510.5 | 0.0 | S |
| 83.258 | 0.0000 | 0.0000 | 82.497 | 0.33504 | 0.00000 | 602892.1 | 392520.5 | 0.0 | S |
| 83.267 | 0.0000 | 0.0000 | 82.497 | 0.33500 | 0.00000 | 602892.1 | 392530.6 | 0.0 | S |
| 83.275 | 0.0000 | 0.0000 | 82.497 | 0.33497 | 0.00000 | 602892.1 | 392540.6 | 0.0 | S |
| 83.283 | 0.0000 | 0.0000 | 82.497 | 0.33494 | 0.00000 | 602892.1 | 392550.7 | 0.0 | S |
| 83.292 | 0.0000 | 0.0000 | 82.497 | 0.33491 | 0.00000 | 602892.1 | 392560.7 | 0.0 | S |
| 83.300 | 0.0000 | 0.0000 | 82.497 | 0.33487 | 0.00000 | 602892.1 | 392570.8 | 0.0 | S |
| 83.308 | 0.0000 | 0.0000 | 82.496 | 0.33484 | 0.00000 | 602892.1 | 392580.8 | 0.0 | S |
| 83.317 | 0.0000 | 0.0000 | 82.496 | 0.33481 | 0.00000 | 602892.1 | 392590.8 | 0.0 | S |
| 83.325 | 0.0000 | 0.0000 | 82.496 | 0.33477 | 0.00000 | 602892.1 | 392600.9 | 0.0 | S |
| 83.333 | 0.0000 | 0.0000 | 82.496 | 0.33474 | 0.00000 | 602892.1 | 392610.9 | 0.0 | S |
| 83.342 | 0.0000 | 0.0000 | 82.496 | 0.33471 | 0.00000 | 602892.1 | 392621.0 | 0.0 | S |
| 83.350 | 0.0000 | 0.0000 | 82.496 | 0.33467 | 0.00000 | 602892.1 | 392631.0 | 0.0 | S |
| 83.358 | 0.0000 | 0.0000 | 82.495 | 0.33464 | 0.00000 | 602892.1 | 392641.1 | 0.0 | S |
| 83.367 | 0.0000 | 0.0000 | 82.495 | 0.33461 | 0.00000 | 602892.1 | 392651.1 | 0.0 | S |
| 83.375 | 0.0000 | 0.0000 | 82.495 | 0.33458 | 0.00000 | 602892.1 | 392661.1 | 0.0 | S |
| 83.383 | 0.0000 | 0.0000 | 82.495 | 0.33454 | 0.00000 | 602892.1 | 392671.2 | 0.0 | S |
| 83.392 | 0.0000 | 0.0000 | 82.495 | 0.33451 | 0.00000 | 602892.1 | 392681.2 | 0.0 | S |
| 83.400 | 0.0000 | 0.0000 | 82.495 | 0.33448 | 0.00000 | 602892.1 | 392691.3 | 0.0 | S |
| 83.408 | 0.0000 | 0.0000 | 82.494 | 0.33444 | 0.00000 | 602892.1 | 392701.3 | 0.0 | S |
| 83.417 | 0.0000 | 0.0000 | 82.494 | 0.33441 | 0.00000 | 602892.1 | 392711.3 | 0.0 | S |
| 83.425 | 0.0000 | 0.0000 | 82.494 | 0.33438 | 0.00000 | 602892.1 | 392721.3 | 0.0 | S |
| 83.433 | 0.0000 | 0.0000 | 82.494 | 0.33434 | 0.00000 | 602892.1 | 392731.4 | 0.0 | S |
| 83.442 | 0.0000 | 0.0000 | 82.494 | 0.33431 | 0.00000 | 602892.1 | 392741.4 | 0.0 | S |
| 83.450 | 0.0000 | 0.0000 | 82.494 | 0.33428 | 0.00000 | 602892.1 | 392751.4 | 0.0 | S |
| 83.458 | 0.0000 | 0.0000 | 82.493 | 0.33425 | 0.00000 | 602892.1 | 392761.5 | 0.0 | S |
| 83.467 | 0.0000 | 0.0000 | 82.493 | 0.33421 | 0.00000 | 602892.1 | 392771.5 | 0.0 | S |
| 83.475 | 0.0000 | 0.0000 | 82.493 | 0.33418 | 0.00000 | 602892.1 | 392781.5 | 0.0 | S |
| 83.483 | 0.0000 | 0.0000 | 82.493 | 0.33415 | 0.00000 | 602892.1 | 392791.5 | 0.0 | S |
| 83.492 | 0.0000 | 0.0000 | 82.493 | 0.33411 | 0.00000 | 602892.1 | 392801.6 | 0.0 | S |
| 83.500 | 0.0000 | 0.0000 | 82.493 | 0.33408 | 0.00000 | 602892.1 | 392811.6 | 0.0 | S |
| 83.508 | 0.0000 | 0.0000 | 82.492 | 0.33405 | 0.00000 | 602892.1 | 392821.6 | 0.0 | S |
| 83.517 | 0.0000 | 0.0000 | 82.492 | 0.33402 | 0.00000 | 602892.1 | 392831.6 | 0.0 | S |
| 83.525 | 0.0000 | 0.0000 | 82.492 | 0.33398 | 0.00000 | 602892.1 | 392841.7 | 0.0 | S |
| 83.533 | 0.0000 | 0.0000 | 82.492 | 0.33395 | 0.00000 | 602892.1 | 392851.7 | 0.0 | S |
| 83.542 | 0.0000 | 0.0000 | 82.492 | 0.33392 | 0.00000 | 602892.1 | 392861.7 | 0.0 | S |
| 83.550 | 0.0000 | 0.0000 | 82.492 | 0.33388 | 0.00000 | 602892.1 | 392871.7 | 0.0 | S |
| 83.558 | 0.0000 | 0.0000 | 82.491 | 0.33385 | 0.00000 | 602892.1 | 392881.7 | 0.0 | S |
| 83.567 | 0.0000 | 0.0000 | 82.491 | 0.33382 | 0.00000 | 602892.1 | 392891.7 | 0.0 | S |
| 83.575 | 0.0000 | 0.0000 | 82.491 | 0.33379 | 0.00000 | 602892.1 | 392901.8 | 0.0 | S |
| 83.583 | 0.0000 | 0.0000 | 82.491 | 0.33375 | 0.00000 | 602892.1 | 392911.8 | 0.0 | S |
| 83.592 | 0.0000 | 0.0000 | 82.491 | 0.33372 | 0.00000 | 602892.1 | 392921.8 | 0.0 | S |
| 83.600 | 0.0000 | 0.0000 | 82.491 | 0.33369 | 0.00000 | 602892.1 | 392931.8 | 0.0 | S |
| 83.608 | 0.0000 | 0.0000 | 82.490 | 0.33365 | 0.00000 | 602892.1 | 392941.8 | 0.0 | S |
| 83.617 | 0.0000 | 0.0000 | 82.490 | 0.33362 | 0.00000 | 602892.1 | 392951.8 | 0.0 | S |
| 83.625 | 0.0000 | 0.0000 | 82.490 | 0.33359 | 0.00000 | 602892.1 | 392961.8 | 0.0 | S |
| 83.633 | 0.0000 | 0.0000 | 82.490 | 0.33356 | 0.00000 | 602892.1 | 392971.8 | 0.0 | S |
| 83.642 | 0.0000 | 0.0000 | 82.490 | 0.33352 | 0.00000 | 602892.1 | 392981.8 | 0.0 | S |
| 83.650 | 0.0000 | 0.0000 | 82.490 | 0.33349 | 0.00000 | 602892.1 | 392991.8 | 0.0 | S |
| 83.658 | 0.0000 | 0.0000 | 82.489 | 0.33346 | 0.00000 | 602892.1 | 393001.8 | 0.0 | S |
| 83.667 | 0.0000 | 0.0000 | 82.489 | 0.33343 | 0.00000 | 602892.1 | 393011.8 | 0.0 | S |
| 83.675 | 0.0000 | 0.0000 | 82.489 | 0.33339 | 0.00000 | 602892.1 | 393021.8 | 0.0 | S |
| 83.683 | 0.0000 | 0.0000 | 82.489 | 0.33336 | 0.00000 | 602892.1 | 393031.8 | 0.0 | S |
| 83.692 | 0.0000 | 0.0000 | 82.489 | 0.33333 | 0.00000 | 602892.1 | 393041.8 | 0.0 | S |
| 83.700 | 0.0000 | 0.0000 | 82.489 | 0.33329 | 0.00000 | 602892.1 | 393051.8 | 0.0 | S |
| 83.708 | 0.0000 | 0.0000 | 82,488 | 0.33326 | 0.00000 | 602892.1 | 393061.8 | 0.0 | S |
| 83.717 | 0.0000 | 0.0000 | 82.488 | 0.33323 | 0.00000 | 602892.1 | 393071.8 | 0.0 | S |
| 83.725 | 0.0000 | 0.0000 | 82.488 | 0.33320 | 0.00000 | 602892.1 | 393081.8 | 0.0 | S |
| 83.733 | 0.0000 | 0.0000 | 82.488 | 0.33316 | 0.00000 | 602892.1 | 393091.8 | 0.0 | S |
| 83.742 | 0.0000 | 0.0000 | 82.488 | 0.33313 | 0.00000 | 602892.1 | 393101.8 | 0.0 | S |
| 83.750 | 0.0000 | 0.0000 | 82.488 | 0.33310 | 0.00000 | 602892.1 | 393111.8 | 0.0 | S |
| 83.758 | 0.0000 | 0.0000 | 82.487 | 0.33307 | 0.00000 | 602892.1 | 393121.8 | 0.0 | S |
| 83.767 | 0.0000 | 0.0000 | 82.487 | 0.33303 | 0.00000 | 602892.1 | 393131.8 | 0.0 | S |
| 83.775 | 0.0000 | 0.0000 | 82.487 | 0.33300 | 0.00000 | 602892.1 | 393141.8 | 0.0 | S |
| 83.783 | 0.0000 | 0.0000 | 82.487 | 0.33297 | 0.00000 | 602892.1 | 393151.8 | 0.0 | S |
| 83.792 | 0.0000 | 0.0000 | 82.487 | 0.33293 | 0.00000 | 602882.1 | 393161.8 | 0.0 | S |
| 83.800 | 0.0000 | 0.0000 | 82.487 | 0.33290 | 0.00000 | 602892.1 | 393171.8 | 0.0 | S |
| 83.808 | 0.0000 | 0.0000 | 82.486 | 0.33287 | 0.00000 | 602892.1 | 393181.8 | 0.0 | S |
| 83.817 | 0.0000 | 0.0000 | 82.486 | 0.33284 | 0.00000 | 602892.1 | 393191.7 | 0.0 | S |
| 83.825 | 0.0000 | 0.0000 | 82.486 | 0.33280 | 0.00000 | 602892.1 | 393201.7 | 0.0 | S |
| 83.833 | 0.0000 | 0.0000 | 82.486 | 0.33277 | 0.00000 | 602892.1 | 393211.7 | 0.0 | S |
| 83.842 | 0.0000 | 0.0000 | 82.486 | 0.33274 | 0.00000 | 602892.1 | 393221.7 | 0.0 | S |
| 83.850 | 0.0000 | 0.0000 | 82.486 | 0.33271 | 0.00000 | 602892.1 | 393231.7 | 0.0 | S |
| 83.858 | 0.0000 | 0.0000 | 82.485 | 0.33267 | 0.00000 | 602892.1 | 393241.6 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume $\left(\mathrm{f}^{3}\right)$ | Cumulative Infiltration Volume ( $\mathrm{t}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 83.867 | 0.0000 | 0.0000 | 82.485 | 0.33264 | 0.00000 | 602892.1 | 393251.6 | 0.0 | S |
| 83.875 | 0.0000 | 0.0000 | 82.485 | 0.33261 | 0.00000 | 602892.1 | 393261.6 | 0.0 | S |
| 83.883 | 0.0000 | 0.0000 | 82.485 | 0.33258 | 0.00000 | 602892.1 | 393271.6 | 0.0 | S |
| 83.892 | 0.0000 | 0.0000 | 82.485 | 0.33254 | 0.00000 | 602892.1 | 393281.6 | 0.0 | S |
| 83.900 | 0.0000 | 0.0000 | 82.485 | 0.33251 | 0.00000 | 602892.1 | 393291.5 | 0.0 | S |
| 83.908 | 0.0000 | 0.0000 | 82.484 | 0.33248 | 0.00000 | 602892.1 | 393301.5 | 0.0 | S |
| 83.917 | 0.0000 | 0.0000 | 82.484 | 0.33245 | 0.00000 | 602892.1 | 393311.5 | 0.0 | S |
| 83.925 | 0.0000 | 0.0000 | 82.484 | 0.33241 | 0.00000 | 602892.1 | 393321.4 | 0.0 | S |
| 83.933 | 0.0000 | 0.0000 | 82.484 | 0.33238 | 0.00000 | 602892.1 | 393331.4 | 0.0 | S |
| 83.942 | 0.0000 | 0.0000 | 82.484 | 0.33235 | 0.00000 | 602892.1 | 393341.4 | 0.0 | S |
| 83.950 | 0.0000 | 0.0000 | 82.484 | 0.33232 | 0.00000 | 602892.1 | 393351.4 | 0.0 | S |
| 83.958 | 0.0000 | 0.0000 | 82.483 | 0.33228 | 0.00000 | 602892.1 | 393361.3 | 0.0 | S |
| 83.967 | 0.0000 | 0.0000 | 82.483 | 0.33225 | 0.00000 | 602892.1 | 393371.3 | 0.0 | S |
| 83.975 | 0.0000 | 0.0000 | 82.483 | 0.33222 | 0.00000 | 602892.1 | 393381.3 | 0.0 | S |
| 83.983 | 0.0000 | 0.0000 | 82.483 | 0.33219 | 0.00000 | 602892.1 | 393391.2 | 0.0 | S |
| 83.992 | 0.0000 | 0.0000 | 82.483 | 0.33215 | 0.00000 | 602892.1 | 393401.2 | 0.0 | S |
| 84.000 | 0.0000 | 0.0000 | 82.483 | 0.33212 | 0.00000 | 602892.1 | 393411.2 | 0.0 | S |
| 84.008 | 0.0000 | 0.0000 | 82.482 | 0.33209 | 0.00000 | 602892.1 | 393421.1 | 0.0 | S |
| 84.017 | 0.0000 | 0.0000 | 82.482 | 0.33206 | 0.00000 | 602892.1 | 393431.1 | 0.0 | S |
| 84.025 | 0.0000 | 0.0000 | 82.482 | 0.33202 | 0.00000 | 602892.1 | 393441.0 | 0.0 | S |
| 84.033 | 0.0000 | 0.0000 | 82.482 | 0.33199 | 0.00000 | 602892.1 | 393451.0 | 0.0 | S |
| 84.042 | 0.0000 | 0.0000 | 82.482 | 0.33196 | 0.00000 | 602892.1 | 393461.0 | 0.0 | S |
| 84.050 | 0.0000 | 0.0000 | 82.482 | 0.33193 | 0.00000 | 602892.1 | 393470.9 | 0.0 | S |
| 84.058 | 0.0000 | 0.0000 | 82.481 | 0.33189 | 0.00000 | 602892.1 | 393480.9 | 0.0 | S |
| 84.067 | 0.0000 | 0.0000 | 82.481 | 0.33186 | 0.00000 | 602892.1 | 393490.8 | 0.0 | S |
| 84.075 | 0.0000 | 0.0000 | 82.481 | 0.33183 | 0.00000 | 602892.1 | 393500.8 | 0.0 | S |
| 84.083 | 0.0000 | 0.0000 | 82.481 | 0.33180 | 0.00000 | 602892.1 | 393510.8 | 0.0 | S |
| 84.092 | 0.0000 | 0.0000 | 82.481 | 0.33176 | 0.00000 | 602892.1 | 393520.7 | 0.0 | S |
| 84.100 | 0.0000 | 0.0000 | 82.481 | 0.33173 | 0.00000 | 602892.1 | 393530.7 | 0.0 | S |
| 84.108 | 0.0000 | 0.0000 | 82.480 | 0.33170 | 0.00000 | 602892.1 | 393540.6 | 0.0 | S |
| 84.117 | 0.0000 | 0.0000 | 82.480 | 0.33167 | 0.00000 | 602892.1 | 393550.6 | 0.0 | S |
| 84.125 | 0.0000 | 0.0000 | 82.480 | 0.33163 | 0.00000 | 602892.1 | 393560.5 | 0.0 | S |
| 84.133 | 0.0000 | 0.0000 | 82.480 | 0.33160 | 0.00000 | 602892.1 | 393570.4 | 0.0 | S |
| 84.142 | 0.0000 | 0.0000 | 82.480 | 0.33157 | 0.00000 | 602892.1 | 393580.4 | 0.0 | S |
| 84.150 | 0.0000 | 0.0000 | 82.480 | 0.33154 | 0.00000 | 602892.1 | 393590.3 | 0.0 | S |
| 84.158 | 0.0000 | 0.0000 | 82.479 | 0.33150 | 0.00000 | 602892.1 | 393600.3 | 0.0 | S |
| 84.167 | 0.0000 | 0.0000 | 82.479 | 0.33147 | 0.00000 | 602892.1 | 393610.3 | 0.0 | S |
| 84.175 | 0.0000 | 0.0000 | 82.479 | 0.33144 | 0.00000 | 602892.1 | 393620.2 | 0.0 | S |
| 84.183 | 0.0000 | 0.0000 | 82.479 | 0.33141 | 0.00000 | 602892.1 | 393630.1 | 0.0 | S |
| 84.192 | 0.0000 | 0.0000 | 82.479 | 0.33137 | 0.00000 | 602892.1 | 393640.1 | 0.0 | S |
| 84.200 | 0.0000 | 0.0000 | 82.479 | 0.33134 | 0.00000 | 602892.1 | 393650.0 | 0.0 | S |
| 84.208 | 0.0000 | 0.0000 | 82.478 | 0.33131 | 0.00000 | 602892.1 | 393659.9 | 0.0 | S |
| 84.217 | 0.0000 | 0.0000 | 82.478 | 0.33128 | 0.00000 | 602892.1 | 393669.9 | 0.0 | S |
| 84.225 | 0.0000 | 0.0000 | 82.478 | 0.33125 | 0.00000 | 602892.1 | 393679.8 | 0.0 | S |
| 84.233 | 0.0000 | 0.0000 | 82.478 | 0.33121 | 0.00000 | 602892.1 | 393689.8 | 0.0 | S |
| 84.242 | 0.0000 | 0.0000 | 82.478 | 0.33118 | 0.00000 | 602892.1 | 393699.7 | 0.0 | S |
| 84.250 | 0.0000 | 0.0000 | 82.478 | 0.33115 | 0.00000 | 602892.1 | 393709.6 | 0.0 | S |
| 84.258 | 0.0000 | 0.0000 | 82.478 | 0.33112 | 0.00000 | 602892.1 | 393719.6 | 0.0 | S |
| 84.267 | 0.0000 | 0.0000 | 82.477 | 0.33108 | 0.00000 | 602892.1 | 393729.5 | 0.0 | S |
| 84.275 | 0.0000 | 0.0000 | 82.477 | 0.33105 | 0.00000 | 602892.1 | 393739.4 | 0.0 | S |
| 84.283 | 0.0000 | 0.0000 | 82.477 | 0.33102 | 0.00000 | 602892.1 | 393749.4 | 0.0 | S |
| 84.292 | 0.0000 | 0.0000 | 82.477 | 0.33099 | 0.00000 | 602892.1 | 393759.3 | 0.0 | S |
| 84.300 | 0.0000 | 0.0000 | 82.477 | 0.33095 | 0.00000 | 602892.1 | 393769.2 | 0.0 | S |
| 84.308 | 0.0000 | 0.0000 | 82.477 | 0.33092 | 0.00000 | 602892.1 | 393779.2 | 0.0 | S |
| 84.317 | 0.0000 | 0.0000 | 82.476 | 0.33089 | 0.00000 | 602892.1 | 393789.1 | 0.0 | S |
| 84.325 | 0.0000 | 0.0000 | 82.476 | 0.33086 | 0.00000 | 602892.1 | 393799.0 | 0.0 | S |
| 84.333 | 0.0000 | 0.0000 | 82.476 | 0.33083 | 0.00000 | 602892.1 | 393808.9 | 0.0 | S |
| 84.342 | 0.0000 | 0.0000 | 82.476 | 0.33079 | 0.00000 | 602892.1 | 393818.8 | 0.0 | S |
| 84.350 | 0.0000 | 0.0000 | 82.476 | 0.33076 | 0.00000 | 602892.1 | 393828.8 | 0.0 | S |
| 84.358 | 0.0000 | 0.0000 | 82.476 | 0.33073 | 0.00000 | 602892.1 | 393838.7 | 0.0 | S |
| 84.367 | 0.0000 | 0.0000 | 82.475 | 0.33070 | 0.00000 | 602892.1 | 393848.6 | 0.0 | S |
| 84.375 | 0.0000 | 0.0000 | 82.475 | 0.33066 | 0.00000 | 602892.1 | 393858.5 | 0.0 | S |
| 84.383 | 0.0000 | 0.0000 | 82.475 | 0.33063 | 0.00000 | 602892.1 | 393868.5 | 0.0 | S |
| 84.392 | 0.0000 | 0.0000 | 82.475 | 0.33060 | 0.00000 | 602892.1 | 393878.4 | 0.0 | S |
| 84.400 | 0.0000 | 0.0000 | 82.475 | 0.33057 | 0.00000 | 602892.1 | 393888.3 | 0.0 | S |
| 84.408 | 0.0000 | 0.0000 | 82.475 | 0.33054 | 0.00000 | 602892.1 | 393898.2 | 0.0 | S |
| 84.417 | 0.0000 | 0.0000 | 82.474 | 0.33050 | 0.00000 | 602892.1 | 393908.1 | 0.0 | S |
| 84.425 | 0.0000 | 0.0000 | 82.474 | 0.33047 | 0.00000 | 602892.1 | 393918.0 | 0.0 | S |
| 84.433 | 0.0000 | 0.0000 | 82.474 | 0.33044 | 0.00000 | 602892.1 | 393928.0 | 0.0 | S |
| 84.442 | 0.0000 | 0.0000 | 82.474 | 0.33041 | 0.00000 | 602892.1 | 393937.9 | 0.0 | S |
| 84.450 | 0.0000 | 0.0000 | 82.474 | 0.33037 | 0.00000 | 602892.1 | 393947.8 | 0.0 | S |
| 84.458 | 0.0000 | 0.0000 | 82.474 | 0.33034 | 0.00000 | 602892.1 | 393957.7 | 0.0 | S |
| 84.467 | 0.0000 | 0.0000 | 82.473 | 0.33031 | 0.00000 | 602892.1 | 393967.6 | 0.0 | S |
| 84.475 | 0.0000 | 0.0000 | 82.473 | 0.33028 | 0.00000 | 602892.1 | 393977.5 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{3} / \mathrm{s}$ ) | Outside Recharge (fl/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overfow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative <br> Discharge <br> Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 84.483 | 0.0000 | 0.0000 | 82.473 | 0.33025 | 0.00000 | 602892.1 | 393987.4 | 0.0 | S |
| 84.492 | 0.0000 | 0.0000 | 82.473 | 0.33021 | 0.00000 | 602892.1 | 393997.3 | 0.0 | S |
| 84.500 | 0.0000 | 0.0000 | 82.473 | 0.33018 | 0.00000 | 602892.1 | 394007.2 | 0.0 | S |
| 84.508 | 0.0000 | 0.0000 | 82.473 | 0.33015 | 0.00000 | 602892.1 | 394017.1 | 0.0 | S |
| 84.517 | 0.0000 | 0.0000 | 82.472 | 0.33012 | 0.00000 | 602892.1 | 394027.0 | 0.0 | S |
| 84.525 | 0.0000 | 0.0000 | 82.472 | 0.33009 | 0.00000 | 602892.1 | 394036.9 | 0.0 | S |
| 84.533 | 0.0000 | 0.0000 | 82.472 | 0.33005 | 0.00000 | 602892.1 | 394046.8 | 0.0 | S |
| 84.542 | 0.0000 | 0.0000 | 82.472 | 0.33002 | 0.00000 | 602892.1 | 394056.8 | 0.0 | S |
| 84.550 | 0.0000 | 0.0000 | 82.472 | 0.32999 | 0.00000 | 602892.1 | 394066.7 | 0.0 | S |
| 84.558 | 0.0000 | 0.0000 | 82.472 | 0.32996 | 0.00000 | 602892.1 | 394076.5 | 0.0 | S |
| 84.567 | 0.0000 | 0.0000 | 82.471 | 0.32993 | 0.00000 | 602892.1 | 394086.4 | 0.0 | S |
| 84.575 | 0.0000 | 0.0000 | 82.471 | 0.32989 | 0.00000 | 602892.1 | 394096.3 | 0.0 | S |
| 84.583 | 0.0000 | 0.0000 | 82.471 | 0.32986 | 0.00000 | 602892.1 | 394106.2 | 0.0 | S |
| 84.592 | 0.0000 | 0.0000 | 82.471 | 0.32983 | 0.00000 | 602892.1 | 394116.1 | 0.0 | S |
| 84.600 | 0.0000 | 0.0000 | 82.471 | 0.32980 | 0.00000 | 602892.1 | 394126.0 | 0.0 | S |
| 84.608 | 0.0000 | 0.0000 | 82.471 | 0.32977 | 0.00000 | 602892.1 | 394135.9 | 0.0 | S |
| 84.617 | 0.0000 | 0.0000 | 82.470 | 0.32973 | 0.00000 | 602892.1 | 394145.8 | 0.0 | S |
| 84.625 | 0.0000 | 0.0000 | 82.470 | 0.32970 | 0.00000 | 602892.1 | 394155.7 | 0.0 | S |
| 84.633 | 0.0000 | 0.0000 | 82.470 | 0.32967 | 0.00000 | 602892.1 | 394165.6 | 0.0 | S |
| 84.642 | 0.0000 | 0.0000 | 82.470 | 0.32964 | 0.00000 | 602892.1 | 394175.5 | 0.0 | S |
| 84.650 | 0.0000 | 0.0000 | 82.470 | 0.32960 | 0.00000 | 602892.1 | 394185.4 | 0.0 | S |
| 84.658 | 0.0000 | 0.0000 | 82.470 | 0.32957 | 0.00000 | 602892.1 | 394195.3 | 0.0 | S |
| 84.667 | 0.0000 | 0.0000 | 82.469 | 0.32954 | 0.00000 | 602892.1 | 394205.2 | 0.0 | S |
| 84.675 | 0.0000 | 0.0000 | 82.469 | 0.32951 | 0.00000 | 602892.1 | 394215.0 | 0.0 | S |
| 84.683 | 0.0000 | 0.0000 | 82.469 | 0.32948 | 0.00000 | 602892.1 | 394224.9 | 0.0 | S |
| 84.692 | 0.0000 | 0.0000 | 82.469 | 0.32945 | 0.00000 | 602892.1 | 394234.8 | 0.0 | S |
| 84.700 | 0.0000 | 0.0000 | 82.469 | 0.32941 | 0.00000 | 602892.1 | 394244.7 | 0.0 | S |
| 84.708 | 0.0000 | 0.0000 | 82.469 | 0.32938 | 0.00000 | 602892.1 | 394254.6 | 0.0 | S |
| 84.717 | 0.0000 | 0.0000 | 82.468 | 0.32935 | 0.00000 | 602892.1 | 394264.4 | 0.0 | S |
| 84.725 | 0.0000 | 0.0000 | 82.468 | 0.32932 | 0.00000 | 602892.1 | 394274.3 | 0.0 | S |
| 84.733 | 0.0000 | 0.0000 | 82.468 | 0.32929 | 0.00000 | 602892.1 | 394284.2 | 0.0 | S |
| 84.742 | 0.0000 | 0.0000 | 82.468 | 0.32925 | 0.00000 | 602892.1 | 394294.1 | 0.0 | S |
| 84.750 | 0.0000 | 0.0000 | 82.468 | 0.32922 | 0.00000 | 602892.1 | 394304.0 | 0.0 | S |
| 84.758 | 0.0000 | 0.0000 | 82.468 | 0.32919 | 0.00000 | 602892.1 | 394313.8 | 0.0 | S |
| 84.767 | 0.0000 | 0.0000 | 82.467 | 0.32916 | 0.00000 | 602892.1 | 394323.7 | 0.0 | S |
| 84.775 | 0.0000 | 0.0000 | 82.467 | 0.32913 | 0.00000 | 602892.1 | 394333.6 | 0.0 | S |
| 84.783 | 0.0000 | 0.0000 | 82.467 | 0.32909 | 0.00000 | 602892.1 | 394343.5 | 0.0 | S |
| 84.792 | 0.0000 | 0.0000 | 82.467 | 0.32906 | 0.00000 | 602892.1 | 394353.3 | 0.0 | S |
| 84.800 | 0.0000 | 0.0000 | 82.467 | 0.32903 | 0.00000 | 602892.1 | 394363.2 | 0.0 | S |
| 84.808 | 0.0000 | 0.0000 | 82.467 | 0.32900 | 0.00000 | 602892.1 | 394373.1 | 0.0 | S |
| 84.817 | 0.0000 | 0.0000 | 82.467 | 0.32897 | 0.00000 | 602892.1 | 394382.9 | 0.0 | S |
| 84.825 | 0.0000 | 0.0000 | 82.466 | 0.32893 | 0.00000 | 602892.1 | 394392.8 | 0.0 | S |
| 84.833 | 0.0000 | 0.0000 | 82.466 | 0.32890 | 0.00000 | 602892.1 | 394402.7 | 0.0 | S |
| 84.842 | 0.0000 | 0.0000 | 82.466 | 0.32887 | 0.00000 | 602892.1 | 394412.5 | 0.0 | S |
| 84.850 | 0.0000 | 0.0000 | 82.466 | 0.32884 | 0.00000 | 602892.1 | 394422.4 | 0.0 | S |
| 84.858 | 0.0000 | 0.0000 | 82.466 | 0.32881 | 0.00000 | 602892.1 | 394432.3 | 0.0 | S |
| 84.867 | 0.0000 | 0.0000 | 82.466 | 0.32878 | 0.00000 | 602892.1 | 394442.1 | 0.0 | S |
| 84.875 | 0.0000 | 0.0000 | 82.465 | 0.32874 | 0.00000 | 602892.1 | 394452.0 | 0.0 | S |
| 84.883 | 0.0000 | 0.0000 | 82.465 | 0.32871 | 0.00000 | 602892.1 | 394461.9 | 0.0 | S |
| 84.892 | 0.0000 | 0.0000 | 82.465 | 0.32868 | 0.00000 | 602892.1 | 394471.7 | 0.0 | S |
| 84.900 | 0.0000 | 0.0000 | 82.465 | 0.32865 | 0.00000 | 602892.1 | 394481.6 | 0.0 | S |
| 84.908 | 0.0000 | 0.0000 | 82.465 | 0.32862 | 0.00000 | 602892.1 | 394491.4 | 0.0 | S |
| 84.917 | 0.0000 | 0.0000 | 82.465 | 0.32858 | 0.00000 | 602892.1 | 394501.3 | 0.0 | S |
| 84.925 | 0.0000 | 0.0000 | 82.464 | 0.32855 | 0.00000 | 602892.1 | 394511.2 | 0.0 | S |
| 84.933 | 0.0000 | 0.0000 | 82.464 | 0.32852 | 0.00000 | 602892.1 | 394521.0 | 0.0 | S |
| 84.942 | 0.0000 | 0.0000 | 82.464 | 0.32849 | 0.00000 | 602892.1 | 394530.9 | 0.0 | S |
| 84.950 | 0.0000 | 0.0000 | 82.464 | 0.32846 | 0.00000 | 602892.1 | 394540.7 | 0.0 | S |
| 84.958 | 0.0000 | 0.0000 | 82.464 | 0.32843 | 0.00000 | 602892.1 | 394550.6 | 0.0 | S |
| 84.967 | 0.0000 | 0.0000 | 82.464 | 0.32839 | 0.00000 | 602892.1 | 394560.4 | 0.0 | S |
| 84.975 | 0.0000 | 0.0000 | 82.463 | 0.32836 | 0.00000 | 602892.1 | 394570.3 | 0.0 | S |
| 84.983 | 0.0000 | 0.0000 | 82.463 | 0.32833 | 0.00000 | 602892.1 | 394580.1 | 0.0 | S |
| 84.992 | 0.0000 | 0.0000 | 82.463 | 0.32830 | 0.00000 | 602892.1 | 394590.0 | 0.0 | S |
| 85.000 | 0.0000 | 0.0000 | 82.463 | 0.32827 | 0.00000 | 602892.1 | 394599.8 | 0.0 | S |
| 85.008 | 0.0000 | 0.0000 | 82.463 | 0.32823 | 0.00000 | 602892.1 | 394609.7 | 0.0 | S |
| 85.017 | 0.0000 | 0.0000 | 82.463 | 0.32820 | 0.00000 | 602892.1 | 394619.5 | 0.0 | S |
| 85.025 | 0.0000 | 0.0000 | 82.462 | 0.32817 | 0.00000 | 602892.1 | 394629.4 | 0.0 | S |
| 85.033 | 0.0000 | 0.0000 | 82.462 | 0.32814 | 0.00000 | 602892.1 | 394639.2 | 0.0 | S |
| 85.042 | 0.0000 | 0.0000 | 82.462 | 0.32811 | 0.00000 | 602892.1 | 394649.1 | 0.0 | S |
| 85.050 | 0.0000 | 0.0000 | 82.462 | 0.32808 | 0.00000 | 602892.1 | 394658.9 | 0.0 | S |
| 85.058 | 0.0000 | 0.0000 | 82.462 | 0.32804 | 0.00000 | 602892.1 | 394668.8 | 0.0 | S |
| 85.067 | 0.0000 | 0.0000 | 82.462 | 0.32801 | 0.00000 | 602892.1 | 394678.6 | 0.0 | S |
| 85.075 | 0.0000 | 0.0000 | 82.461 | 0.32798 | 0.00000 | 602892.1 | 394688.4 | 0.0 | S |
| 85.083 | 0.0000 | 0.0000 | 82.461 | 0.32795 | 0.00000 | 602892.1 | 394698.3 | 0.0 | S |
| 85.092 | 0.0000 | 0.0000 | 82.461 | 0.32792 | 0.00000 | 602892.1 | 394708.1 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year/24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{t}^{3 / 5}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume (f $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 85.100 | 0.0000 | 0.0000 | 82.461 | 0.32789 | 0.00000 | 602892.1 | 394717.9 | 0.0 | S |
| 85.108 | 0.0000 | 0.0000 | 82.461 | 0.32785 | 0.00000 | 602892.1 | 394727.8 | 0.0 | S |
| 85.117 | 0.0000 | 0.0000 | 82.461 | 0.32782 | 0.00000 | 602892.1 | 394737.6 | 0.0 | S |
| 85.125 | 0.0000 | 0.0000 | 82.460 | 0.32779 | 0.00000 | 602892.1 | 394747.4 | 0.0 | S |
| 85.133 | 0.0000 | 0.0000 | 82.460 | 0.32776 | 0.00000 | 602892.1 | 394757.3 | 0.0 | S |
| 85.142 | 0.0000 | 0.0000 | 82.460 | 0.32773 | 0.00000 | 602892.1 | 394767.1 | 0.0 | S |
| 85.150 | 0.0000 | 0.0000 | 82.460 | 0.32770 | 0.00000 | 602892.1 | 394776.9 | 0.0 | S |
| 85.158 | 0.0000 | 0.0000 | 82.460 | 0.32766 | 0.00000 | 602892.1 | 394786.8 | 0.0 | S |
| 85.167 | 0.0000 | 0.0000 | 82.460 | 0.32763 | 0.00000 | 602892.1 | 394796.6 | 0.0 | S |
| 85.175 | 0.0000 | 0.0000 | 82.459 | 0.32760 | 0.00000 | 602892.1 | 394806.4 | 0.0 | S |
| 85.183 | 0.0000 | 0.0000 | 82.459 | 0.32757 | 0.00000 | 602892.1 | 394816.3 | 0.0 | S |
| 85.192 | 0.0000 | 0.0000 | 82.459 | 0.32754 | 0.00000 | 602892.1 | 394826.1 | 0.0 | S |
| 85.200 | 0.0000 | 0.0000 | 82.459 | 0.32751 | 0.00000 | 602892.1 | 394835.9 | 0.0 | S |
| 85.208 | 0.0000 | 0.0000 | 82.459 | 0.32747 | 0.00000 | 602892.1 | 394845.7 | 0.0 | S |
| 85.217 | 0.0000 | 0.0000 | 82.459 | 0.32744 | 0.00000 | 602892.1 | 394855.6 | 0.0 | S |
| 85.225 | 0.0000 | 0.0000 | 82.459 | 0.32741 | 0.00000 | 602892.1 | 394865.4 | 0.0 | S |
| 85.233 | 0.0000 | 0.0000 | 82.458 | 0.32738 | 0.00000 | 602892.1 | 394875.2 | 0.0 | S |
| 85.242 | 0.0000 | 0.0000 | 82.458 | 0.32735 | 0.00000 | 602892.1 | 394885.0 | 0.0 | S |
| 85.250 | 0.0000 | 0.0000 | 82.458 | 0.32732 | 0.00000 | 602892.1 | 394894.8 | 0.0 | S |
| 85.258 | 0.0000 | 0.0000 | 82.458 | 0.32729 | 0.00000 | 602892.1 | 394904.7 | 0.0 | S |
| 85.267 | 0.0000 | 0.0000 | 82.458 | 0.32725 | 0.00000 | 602892.1 | 394914.5 | 0.0 | S |
| 85.275 | 0.0000 | 0.0000 | 82.458 | 0.32722 | 0.00000 | 602892.1 | 394924.3 | 0.0 | S |
| 85.283 | 0.0000 | 0.0000 | 82.457 | 0.32719 | 0.00000 | 602892.1 | 394934.1 | 0.0 | S |
| 85.292 | 0.0000 | 0.0000 | 82.457 | 0.32716 | 0.00000 | 602892.1 | 394943.9 | 0.0 | S |
| 85.300 | 0.0000 | 0.0000 | 82.457 | 0.32713 | 0.00000 | 602892.1 | 394953.8 | 0.0 | S |
| 85.308 | 0.0000 | 0.0000 | 82.457 | 0.32710 | 0.00000 | 602892.1 | 394963.6 | 0.0 | S |
| 85.317 | 0.0000 | 0.0000 | 82.457 | 0.32706 | 0.00000 | 602892.1 | 394973.4 | 0.0 | S |
| 85.325 | 0.0000 | 0.0000 | 82.457 | 0.32703 | 0.00000 | 602892.1 | 394983.2 | 0.0 | S |
| 85.333 | 0.0000 | 0.0000 | 82.456 | 0.32700 | 0.00000 | 602892.1 | 394993.0 | 0.0 | S |
| 85.342 | 0.0000 | 0.0000 | 82.456 | 0.32697 | 0.00000 | 602892.1 | 395002.8 | 0.0 | S |
| 85.350 | 0.0000 | 0.0000 | 82.456 | 0.32694 | 0.00000 | 602892.1 | 395012.6 | 0.0 | S |
| 85.358 | 0.0000 | 0.0000 | 82.456 | 0.32691 | 0.00000 | 602892.1 | 395022.4 | 0.0 | S |
| 85.367 | 0.0000 | 0.0000 | 82.456 | 0.32688 | 0.00000 | 602892.1 | 395032.2 | 0.0 | S |
| 85.375 | 0.0000 | 0.0000 | 82.456 | 0.32684 | 0.00000 | 602892.1 | 395042.0 | 0.0 | S |
| 85.383 | 0.0000 | 0.0000 | 82.455 | 0.32681 | 0.00000 | 602892.1 | 395051.8 | 0.0 | S |
| 85.392 | 0.0000 | 0.0000 | 82.455 | 0.32678 | 0.00000 | 602892.1 | 395061.6 | 0.0 | S |
| 85.400 | 0.0000 | 0.0000 | 82.455 | 0.32675 | 0.00000 | 602892.1 | 395071.4 | 0.0 | S |
| 85.408 | 0.0000 | 0.0000 | 82.455 | 0.32672 | 0.00000 | 602892.1 | 395081.3 | 0.0 | S |
| 85.417 | 0.0000 | 0.0000 | 82.455 | 0.32669 | 0.00000 | 602892.1 | 395091.0 | 0.0 | S |
| 85.425 | 0.0000 | 0.0000 | 82.455 | 0.32666 | 0.00000 | 602892.1 | 395100.8 | 0.0 | S |
| 85.433 | 0.0000 | 0.0000 | 82.454 | 0.32662 | 0.00000 | 602892.1 | 395110.6 | 0.0 | S |
| 85.442 | 0.0000 | 0.0000 | 82.454 | 0.32659 | 0.00000 | 602892.1 | 395120.4 | 0.0 | S |
| 85.450 | 0.0000 | 0.0000 | 82.454 | 0.32656 | 0.00000 | 602892.1 | 395130.3 | 0.0 | S |
| 85.458 | 0.0000 | 0.0000 | 82.454 | 0.32653 | 0.00000 | 602892.1 | 395140.0 | 0.0 | S |
| 85.467 | 0.0000 | 0.0000 | 82.454 | 0.32650 | 0.00000 | 602892.1 | 395149.8 | 0.0 | S |
| 85.475 | 0.0000 | 0.0000 | 82.454 | 0.32647 | 0.00000 | 602892.1 | 395159.6 | 0.0 | S |
| 85.483 | 0.0000 | 0.0000 | 82.453 | 0.32644 | 0.00000 | 602892.1 | 395169.4 | 0.0 | S |
| 85.492 | 0.0000 | 0.0000 | 82.453 | 0.32640 | 0.00000 | 602892.1 | 395179.2 | 0.0 | S |
| 85.500 | 0.0000 | 0.0000 | 82.453 | 0.32637 | 0.00000 | 602892.1 | 395189.0 | 0.0 | S |
| 85.508 | 0.0000 | 0.0000 | 82.453 | 0.32634 | 0.00000 | 602892.1 | 395198.8 | 0.0 | S |
| 85.517 | 0.0000 | 0.0000 | 82.453 | 0.32631 | 0.00000 | 602892.1 | 395208.6 | 0.0 | S |
| 85.525 | 0.0000 | 0.0000 | 82.453 | 0.32628 | 0.00000 | 602892.1 | 395218.4 | 0.0 | S |
| 85.533 | 0.0000 | 0.0000 | 82.452 | 0.32625 | 0.00000 | 602892.1 | 395228.2 | 0.0 | S |
| 85.542 | 0.0000 | 0.0000 | 82.452 | 0.32622 | 0.00000 | 602892.1 | 395237.9 | 0.0 | S |
| 85.550 | 0.0000 | 0.0000 | 82.452 | 0.32618 | 0.00000 | 602892.1 | 395247.7 | 0.0 | S |
| 85.558 | 0.0000 | 0.0000 | 82.452 | 0.32615 | 0.00000 | 602892.1 | 395257.5 | 0.0 | S |
| 85.567 | 0.0000 | 0.0000 | 82.452 | 0.32612 | 0.00000 | 602892.1 | 395267.3 | 0.0 | S |
| 85.575 | 0.0000 | 0.0000 | 82.452 | 0.32609 | 0.00000 | 602892.1 | 395277.1 | 0.0 | S |
| 85.583 | 0.0000 | 0.0000 | 82.452 | 0.32606 | 0.00000 | 602892.1 | 395286.9 | 0.0 | S |
| 85.592 | 0.0000 | 0.0000 | 82.451 | 0.32603 | 0.00000 | 602892.1 | 395296.7 | 0.0 | S |
| 85.600 | 0.0000 | 0.0000 | 82.451 | 0.32600 | 0.00000 | 602892.1 | 395306.4 | 0.0 | S |
| 85.608 | 0.0000 | 0.0000 | 82.451 | 0.32597 | 0.00000 | 602892.1 | 395316.2 | 0.0 | S |
| 85.617 | 0.0000 | 0.0000 | 82.451 | 0.32593 | 0.00000 | 602892.1 | 395326.0 | 0.0 | S |
| 85.625 | 0.0000 | 0.0000 | 82.451 | 0.32590 | 0.00000 | 602892.1 | 395335.8 | 0.0 | S |
| 85.633 | 0.0000 | 0.0000 | 82.451 | 0.32587 | 0.00000 | 602892.1 | 395345.5 | 0.0 | S |
| 85.642 | 0.0000 | 0.0000 | 82.450 | 0.32584 | 0.00000 | 602892.1 | 395355.3 | 0.0 | S |
| 85.650 | 0.0000 | 0.0000 | 82.450 | 0.32581 | 0.00000 | 602892.1 | 395365.1 | 0.0 | S |
| 85.658 | 0.0000 | 0.0000 | 82.450 | 0.32578 | 0.00000 | 602892.1 | 395374.9 | 0.0 | S |
| 85.667 | 0.0000 | 0.0000 | 82.450 | 0.32575 | 0.00000 | 602892.1 | 395384.6 | 0.0 | S |
| 85.675 | 0.0000 | 0.0000 | 82.450 | 0.32572 | 0.00000 | 602892.1 | 395394.4 | 0.0 | S |
| 85.683 | 0.0000 | 0.0000 | 82.450 | 0.32568 | 0.00000 | 602892.1 | 395404.2 | 0.0 | S |
| 85.692 | 0.0000 | 0.0000 | 82.449 | 0.32565 | 0.00000 | 602892.1 | 395413.9 | 0.0 | S |
| 85.700 | 0.0000 | 0.0000 | 82.449 | 0.32562 | 0.00000 | 602892.1 | 395423.7 | 0.0 | S |
| 85.708 | 0.0000 | 0.0000 | 82.449 | 0.32559 | 0.00000 | 602892.1 | 395433.5 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Efapsed Time (hours) | Inflow Rate ( $\mathrm{f} \mathrm{H}^{3} \mathrm{~s}$ ) | Outside Recharge (tt/day) | Stage Elevation (ft datum) | Infiltration Rate (ft ${ }^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Intlow Volume ( $\mathrm{ft}^{3}$ ) | Cumułative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 85.717 | 0.0000 | 0.0000 | 82.449 | 0.32556 | 0.00000 | 602892.1 | 395443.3 | 0.0 | S |
| 85.725 | 0.0000 | 0.0000 | 82.449 | 0.32553 | 0.00000 | 602892.1 | 395453.0 | 0.0 | S |
| 85.733 | 0.0000 | 0.0000 | 82.449 | 0.32550 | 0.00000 | 602892.1 | 395462.8 | 0.0 | S |
| 85.742 | 0.0000 | 0.0000 | 82.448 | 0.32547 | 0.00000 | 602892.1 | 395472.6 | 0.0 | S |
| 85.750 | 0.0000 | 0.0000 | 82.448 | 0.32543 | 0.00000 | 602892.1 | 395482.3 | 0.0 | S |
| 85.758 | 0.0000 | 0.0000 | 82.448 | 0.32540 | 0.00000 | 602892.1 | 395492.1 | 0.0 | S |
| 85.767 | 0.0000 | 0.0000 | 82.448 | 0.32537 | 0.00000 | 602892.1 | 395501.8 | 0.0 | S |
| 85.775 | 0.0000 | 0.0000 | 82.448 | 0.32534 | 0.00000 | 602892.1 | 395511.6 | 0.0 | S |
| 85.783 | 0.0000 | 0.0000 | 82.448 | 0.32531 | 0.00000 | 602892.1 | 395521.3 | 0.0 | S |
| 85.792 | 0.0000 | 0.0000 | 82.447 | 0.32528 | 0.00000 | 602892.1 | 395531.1 | 0.0 | S |
| 85.800 | 0.0000 | 0.0000 | 82,447 | 0.32525 | 0.00000 | 602892.1 | 395540.9 | 0.0 | S |
| 85.808 | 0.0000 | 0.0000 | 82.447 | 0.32522 | 0.00000 | 602892.1 | 395550.6 | 0.0 | S |
| 85.817 | 0.0000 | 0.0000 | 82.447 | 0.32519 | 0.00000 | 602892.1 | 395560.4 | 0.0 | S |
| 85.825 | 0.0000 | 0.0000 | 82.447 | 0.32515 | 0.00000 | 602892.1 | 395570.2 | 0.0 | S |
| 85.833 | 0.0000 | 0.0000 | 82.447 | 0.32512 | 0.00000 | 602892.1 | 395579.9 | 0.0 | S |
| 85.842 | 0.0000 | 0.0000 | 82.446 | 0.32509 | 0.00000 | 602892.1 | 395589.7 | 0.0 | S |
| 85.850 | 0.0000 | 0.0000 | 82.446 | 0.32506 | 0.00000 | 602892.1 | 395599.4 | 0.0 | S |
| 85.858 | 0.0000 | 0.0000 | 82.446 | 0.32503 | 0.00000 | 602892.1 | 395609.2 | 0.0 | S |
| 85.867 | 0.0000 | 0.0000 | 82.446 | 0.32500 | 0.00000 | 602892.1 | 395618.9 | 0.0 | S |
| 85.875 | 0.0000 | 0.0000 | 82.446 | 0.32497 | 0.00000 | 602892.1 | 395628.7 | 0.0 | S |
| 85.883 | 0.0000 | 0.0000 | 82.446 | 0.32494 | 0.00000 | 602892.1 | 395638.4 | 0.0 | S |
| 85.892 | 0.0000 | 0.0000 | 82.446 | 0.32491 | 0.00000 | 602892.1 | 395648.2 | 0.0 | S |
| 85.900 | 0.0000 | 0.0000 | 82.445 | 0.32487 | 0.00000 | 602892.1 | 395657.9 | 0.0 | S |
| 85.908 | 0.0000 | 0.0000 | 82.445 | 0.32484 | 0.00000 | 602892.1 | 395667.7 | 0.0 | S |
| 85.917 | 0.0000 | 0.0000 | 82.445 | 0.32481 | 0.00000 | 602892.1 | 395677.4 | 0.0 | S |
| 85.925 | 0.0000 | 0.0000 | 82.445 | 0.32478 | 0.00000 | 602892.1 | 395687.1 | 0.0 | S |
| 85.933 | 0.0000 | 0.0000 | 82.445 | 0.32475 | 0.00000 | 602892.1 | 395696.9 | 0.0 | S |
| 85.942 | 0.0000 | 0.0000 | 82.445 | 0.32472 | 0.00000 | 602892.1 | 395706.6 | 0.0 | S |
| 85.950 | 0.0000 | 0.0000 | 82.444 | 0.32469 | 0.00000 | 602892.1 | 395716.3 | 0.0 | S |
| 85.958 | 0.0000 | 0.0000 | 82.444 | 0.32466 | 0.00000 | 602892.1 | 395726.1 | 0.0 | S |
| 85.967 | 0.0000 | 0.0000 | 82.444 | 0.32463 | 0.00000 | 602892.1 | 395735.8 | 0.0 | S |
| 85.975 | 0.0000 | 0.0000 | 82.444 | 0.32459 | 0.00000 | 602892.1 | 395745.6 | 0.0 | S |
| 85.983 | 0.0000 | 0.0000 | 82.444 | 0.32456 | 0.00000 | 602892.1 | 395755.3 | 0.0 | S |
| 85.992 | 0.0000 | 0.0000 | 82.444 | 0.32453 | 0.00000 | 602892.1 | 395765.1 | 0.0 | S |
| 86.000 | 0.0000 | 0.0000 | 82.443 | 0.32450 | 0.00000 | 602892.1 | 395774.8 | 0.0 | S |
| 86.008 | 0.0000 | 0.0000 | 82.443 | 0.32447 | 0.00000 | 602892.1 | 395784.5 | 0.0 | S |
| 86.017 | 0.0000 | 0.0000 | 82.443 | 0.32444 | 0.00000 | 602892.1 | 395794.3 | 0.0 | S |
| 86.025 | 0.0000 | 0.0000 | 82.443 | 0.32441 | 0.00000 | 602892.1 | 395804.0 | 0.0 | S |
| 86.033 | 0.0000 | 0.0000 | 82.443 | 0.32438 | 0.00000 | 602892.1 | 395813.7 | 0.0 | S |
| 86.042 | 0.0000 | 0.0000 | 82.443 | 0.32435 | 0.00000 | 602892.1 | 395823.4 | 0.0 | S |
| 86.050 | 0.0000 | 0.0000 | 82.442 | 0.32432 | 0.00000 | 602892.1 | 395833.2 | 0.0 | S |
| 86.058 | 0.0000 | 0.0000 | 82.442 | 0.32428 | 0.00000 | 602892.1 | 395842.9 | 0.0 | S |
| 86.067 | 0.0000 | 0.0000 | 82.442 | 0.32425 | 0.00000 | 602892.1 | 395852.6 | 0.0 | S |
| 86.075 | 0.0000 | 0.0000 | 82.442 | 0.32422 | 0.00000 | 602892.1 | 395862.4 | 0.0 | S |
| 86.083 | 0.0000 | 0.0000 | 82.442 | 0.32419 | 0.00000 | 602892.1 | 395872.1 | 0.0 | S |
| 86.092 | 0.0000 | 0.0000 | 82.442 | 0.32416 | 0.00000 | 602892.1 | 395881.8 | 0.0 | S |
| 86.100 | 0.0000 | 0.0000 | 82.441 | 0.32413 | 0.00000 | 602892.1 | 395891.5 | 0.0 | S |
| 86.108 | 0.0000 | 0.0000 | 82.441 | 0.32410 | 0.00000 | 602892.1 | 395901.3 | 0.0 | S |
| 86.117 | 0.0000 | 0.0000 | 82.441 | 0.32407 | 0.00000 | 602892.1 | 395911.0 | 0.0 | S |
| 86.125 | 0.0000 | 0.0000 | 82.441 | 0.32404 | 0.00000 | 602892.1 | 395920.7 | 0.0 | S |
| 86.133 | 0.0000 | 0.0000 | 82.441 | 0.32401 | 0.00000 | 602892.1 | 395930.4 | 0.0 | S |
| 86.142 | 0.0000 | 0.0000 | 82.441 | 0.32398 | 0.00000 | 602892.1 | 395940.2 | 0.0 | S |
| 86.150 | 0.0000 | 0.0000 | 82.440 | 0.32394 | 0.00000 | 602892.1 | 395949.9 | 0.0 | S |
| 86.158 | 0.0000 | 0.0000 | 82.440 | 0.32391 | 0.00000 | 602892.1 | 395959.6 | 0.0 | S |
| 86.167 | 0.0000 | 0.0000 | 82.440 | 0.32388 | 0.00000 | 602892.1 | 395969.3 | 0.0 | S |
| 86.175 | 0.0000 | 0.0000 | 82.440 | 0.32385 | 0.00000 | 602892.1 | 395979.0 | 0.0 | S |
| 86.183 | 0.0000 | 0.0000 | 82.440 | 0.32382 | 0.00000 | 602892.1 | 395988.7 | 0.0 | S |
| 86.192 | 0.0000 | 0.0000 | 82.440 | 0.32379 | 0.00000 | 602892.1 | 395998.4 | 0.0 | S |
| 86.200 | 0.0000 | 0.0000 | 82.440 | 0.32376 | 0.00000 | 602892.1 | 396008.2 | 0.0 | S |
| 86.208 | 0.0000 | 0.0000 | 82.439 | 0.32373 | 0.00000 | 602892.1 | 396017.9 | 0.0 | S |
| 86.217 | 0.0000 | 0.0000 | 82.439 | 0.32370 | 0.00000 | 602892.1 | 396027.6 | 0.0 | S |
| 86.225 | 0.0000 | 0.0000 | 82.439 | 0.32367 | 0.00000 | 602892.1 | 396037.3 | 0.0 | S |
| 86.233 | 0.0000 | 0.0000 | 82.439 | 0.32364 | 0.00000 | 602892.1 | 396047.0 | 0.0 | S |
| 86.242 | 0.0000 | 0.0000 | 82.439 | 0.32360 | 0.00000 | 602892.1 | 396056.7 | 0.0 | S |
| 86.250 | 0.0000 | 0.0000 | 82.439 | 0.32357 | 0.00000 | 602892.1 | 396066.4 | 0.0 | S |
| 86.258 | 0.0000 | 0.0000 | 82.438 | 0.32354 | 0.00000 | 602892.1 | 396076.1 | 0.0 | S |
| 86.267 | 0.0000 | 0.0000 | 82.438 | 0.32351 | 0.00000 | 602892.1 | 396085.8 | 0.0 | S |
| 86.275 | 0.0000 | 0.0000 | 82.438 | 0.32348 | 0.00000 | 602892.1 | 396095.5 | 0.0 | S |
| 86.283 | 0.0000 | 0.0000 | 82.438 | 0.32345 | 0.00000 | 602892.1 | 396105.3 | 0.0 | S |
| 86.292 | 0.0000 | 0.0000 | 82.438 | 0.32342 | 0.00000 | 602892.1 | 396114.9 | 0.0 | S |
| 86.300 | 0.0000 | 0.0000 | 82.438 | 0.32339 | 0.00000 | 602892.1 | 396124.7 | 0.0 | S |
| 86.308 | 0.0000 | 0.0000 | 82.437 | 0.32336 | 0.00000 | 602892.1 | 396134.3 | 0.0 | S |
| 86.317 | 0.0000 | 0.0000 | 82.437 | 0.32333 | 0.00000 | 602892.1 | 396144.0 | 0.0 | S |
| 86.325 | 0.0000 | 0.0000 | 82.437 | 0.32330 | 0.00000 | 602892.1 | 396153.8 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Votume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 86.333 | 0.0000 | 0.0000 | 82.437 | 0.32327 | 0.00000 | 602892.1 | 396163.4 | 0.0 | S |
| 86.342 | 0.0000 | 0.0000 | 82.437 | 0.32323 | 0.00000 | 602892.1 | 396173.1 | 0.0 | S |
| 86.350 | 0.0000 | 0.0000 | 82.437 | 0.32320 | 0.00000 | 602892.1 | 396182.8 | 0.0 | S |
| 86.358 | 0.0000 | 0.0000 | 82.436 | 0.32317 | 0.00000 | 602892.1 | 396192.5 | 0.0 | S |
| 86.367 | 0.0000 | 0.0000 | 82.436 | 0.32314 | 0.00000 | 602892.1 | 396202.2 | 0.0 | S |
| 86.375 | 0.0000 | 0.0000 | 82.436 | 0.32311 | 0.00000 | 602892.1 | 396211.9 | 0.0 | S |
| 86.383 | 0.0000 | 0.0000 | 82.436 | 0.32308 | 0.00000 | 602892.1 | 396221.6 | 0.0 | S |
| 86.392 | 0.0000 | 0.0000 | 82.436 | 0.32305 | 0.00000 | 602892.1 | 396231.3 | 0.0 | S |
| 86.400 | 0.0000 | 0.0000 | 82.436 | 0.32302 | 0.00000 | 602892.1 | 396241.0 | 0.0 | S |
| 86.408 | 0.0000 | 0.0000 | 82.435 | 0.32299 | 0.00000 | 602892.1 | 396250.7 | 0.0 | S |
| 86.417 | 0.0000 | 0.0000 | 82.435 | 0.32296 | 0.00000 | 602892.1 | 396260.4 | 0.0 | S |
| 86.425 | 0.0000 | 0.0000 | 82.435 | 0.32293 | 0.00000 | 602892.1 | 396270.1 | 0.0 | S |
| 86.433 | 0.0000 | 0.0000 | 82.435 | 0.32290 | 0.00000 | 602892.1 | 396279.8 | 0.0 | S |
| 86.442 | 0.0000 | 0.0000 | 82.435 | 0.32287 | 0.00000 | 602892.1 | 396289.4 | 0.0 | S |
| 86.450 | 0.0000 | 0.0000 | 82.435 | 0.32284 | 0.00000 | 602892.1 | 396299.1 | 0.0 | S |
| 86.458 | 0.0000 | 0.0000 | 82.435 | 0.32280 | 0.00000 | 602892.1 | 396308.8 | 0.0 | S |
| 86.467 | 0.0000 | 0.0000 | 82.434 | 0.32277 | 0.00000 | 602892.1 | 396318.5 | 0.0 | S |
| 86.475 | 0.0000 | 0.0000 | 82.434 | 0.32274 | 0.00000 | 602892.1 | 396328.2 | 0.0 | S |
| 86.483 | 0.0000 | 0.0000 | 82.434 | 0.32271 | 0.00000 | 602892.1 | 396337.8 | 0.0 | S |
| 86.492 | 0.0000 | 0.0000 | 82.434 | 0.32268 | 0.00000 | 602892.1 | 396347.5 | 0.0 | S |
| 86.500 | 0.0000 | 0.0000 | 82.434 | 0.32265 | 0.00000 | 602892.1 | 396357.2 | 0.0 | S |
| 86.508 | 0.0000 | 0.0000 | 82.434 | 0.32262 | 0.00000 | 602892.1 | 396366.9 | 0.0 | S |
| 86.517 | 0.0000 | 0.0000 | 82.433 | 0.32259 | 0.00000 | 602892.1 | 396376.6 | 0.0 | S |
| 86.525 | 0.0000 | 0.0000 | 82.433 | 0.32256 | 0.00000 | 602892.1 | 396386.3 | 0.0 | S |
| 86.533 | 0.0000 | 0.0000 | 82.433 | 0.32253 | 0.00000 | 602892.1 | 396395.9 | 0.0 | S |
| 86.542 | 0.0000 | 0.0000 | 82.433 | 0.32250 | 0.00000 | 602892.1 | 396405.6 | 0.0 | S |
| 86.550 | 0.0000 | 0.0000 | 82.433 | 0.32247 | 0.00000 | 602892.1 | 396415.3 | 0.0 | S |
| 86.558 | 0.0000 | 0.0000 | 82.433 | 0.32244 | 0.00000 | 602892.1 | 396424.9 | 0.0 | S |
| 86.567 | 0.0000 | 0.0000 | 82.432 | 0.32241 | 0.00000 | 602892.1 | 396434.6 | 0.0 | S |
| 86.575 | 0.0000 | 0.0000 | 82.432 | 0.32238 | 0.00000 | 602892.1 | 396444.3 | 0.0 | S |
| 86.583 | 0.0000 | 0.0000 | 82.432 | 0.32234 | 0.00000 | 602892.1 | 396454.0 | 0.0 | S |
| 86.592 | 0.0000 | 0.0000 | 82.432 | 0.32231 | 0.00000 | 602892.1 | 396463.6 | 0.0 | S |
| 86.600 | 0.0000 | 0.0000 | 82.432 | 0.32228 | 0.00000 | 602892.1 | 396473.3 | 0.0 | S |
| 86.608 | 0.0000 | 0.0000 | 82.432 | 0.32225 | 0.00000 | 602892.1 | 396483.0 | 0.0 | S |
| 86.617 | 0.0000 | 0.0000 | 82.431 | 0.32222 | 0.00000 | 602892.1 | 396492.7 | 0.0 | S |
| 86.625 | 0.0000 | 0.0000 | 82.431 | 0.32219 | 0.00000 | 602892.1 | 396502.3 | 0.0 | S |
| 86.633 | 0.0000 | 0.0000 | 82.431 | 0.32216 | 0.00000 | 602892.1 | 396512.0 | 0.0 | S |
| 86.642 | 0.0000 | 0.0000 | 82.431 | 0.32213 | 0.00000 | 602892.1 | 396521.6 | 0.0 | S |
| 86.650 | 0.0000 | 0.0000 | 82.431 | 0.32210 | 0.00000 | 602892.1 | 396531.3 | 0.0 | S |
| 86.658 | 0.0000 | 0.0000 | 82.431 | 0.32207 | 0.00000 | 602892.1 | 396541.0 | 0.0 | S |
| 86.667 | 0.0000 | 0.0000 | 82.430 | 0.32204 | 0.00000 | 602892.1 | 396550.6 | 0.0 | S |
| 86.675 | 0.0000 | 0.0000 | 82.430 | 0.32201 | 0.00000 | 602892.1 | 396560.3 | 0.0 | S |
| 86.683 | 0.0000 | 0.0000 | 82.430 | 0.32198 | 0.00000 | 602892.1 | 396569.9 | 0.0 | S |
| 86.692 | 0.0000 | 0.0000 | 82.430 | 0.32195 | 0.00000 | 602892.1 | 396579.6 | 0.0 | S |
| 86.700 | 0.0000 | 0.0000 | 82.430 | 0.32192 | 0.00000 | 602892.1 | 396589.3 | 0.0 | S |
| 86.708 | 0.0000 | 0.0000 | 82.430 | 0.32189 | 0.00000 | 602892.1 | 396598.9 | 0.0 | S |
| 86.717 | 0.0000 | 0.0000 | 82.430 | 0.32186 | 0.00000 | 602892.1 | 396608.6 | 0.0 | S |
| 86.725 | 0.0000 | 0.0000 | 82.429 | 0.32183 | 0.00000 | 602892.1 | 396618.2 | 0.0 | S |
| 86.733 | 0.0000 | 0.0000 | 82.429 | 0.32179 | 0.00000 | 602892.1 | 396627.9 | 0.0 | S |
| 86.742 | 0.0000 | 0.0000 | 82.429 | 0.32176 | 0.00000 | 602892.1 | 396637.5 | 0.0 | S |
| 86.750 | 0.0000 | 0.0000 | 82.429 | 0.32173 | 0.00000 | 602892.1 | 396647.2 | 0.0 | S |
| 86.758 | 0.0000 | 0.0000 | 82.429 | 0.32170 | 0.00000 | 602892.1 | 396656.8 | 0.0 | S |
| 86.767 | 0.0000 | 0.0000 | 82.429 | 0.32167 | 0.00000 | 602892.1 | 396666.5 | 0.0 | S |
| 86.775 | 0.0000 | 0.0000 | 82.428 | 0.32164 | 0.00000 | 602892.1 | 396676.2 | 0.0 | S |
| 86.783 | 0.0000 | 0.0000 | 82.428 | 0.32161 | 0.00000 | 602892.1 | 396685.8 | 0.0 | S |
| 86.792 | 0.0000 | 0.0000 | 82.428 | 0.32158 | 0.00000 | 602892.1 | 396695.4 | 0.0 | S |
| 86.800 | 0.0000 | 0.0000 | 82.428 | 0.32155 | 0.00000 | 602892.1 | 396705.1 | 0.0 | S |
| 86.808 | 0.0000 | 0.0000 | 82.428 | 0.32152 | 0.00000 | 602892.1 | 396714.7 | 0.0 | S |
| 86.817 | 0.0000 | 0.0000 | 82.428 | 0.32149 | 0.00000 | 602892.1 | 396724.4 | 0.0 | S |
| 86.825 | 0.0000 | 0.0000 | 82.427 | 0.32146 | 0.00000 | 602892.1 | 396734.0 | 0.0 | S |
| 86.833 | 0.0000 | 0.0000 | 82.427 | 0.32143 | 0.00000 | 602892.1 | 396743.7 | 0.0 | S |
| 86.842 | 0.0000 | 0.0000 | 82.427 | 0.32140 | 0.00000 | 602892.1 | 396753.3 | 0.0 | S |
| 86.850 | 0.0000 | 0.0000 | 82.427 | 0.32137 | 0.00000 | 602892.1 | 396762.9 | 0.0 | S |
| 86.858 | 0.0000 | 0.0000 | 82.427 | 0.32134 | 0.00000 | 602892.1 | 396772.6 | 0.0 | S |
| 86.867 | 0.0000 | 0.0000 | 82.427 | 0.32131 | 0.00000 | 602892.1 | 396782.2 | 0.0 | S |
| 86.875 | 0.0000 | 0.0000 | 82.426 | 0.32128 | 0.00000 | 602892.1 | 396791.9 | 0.0 | S |
| 86.883 | 0.0000 | 0.0000 | 82.426 | 0.32125 | 0.00000 | 602892.1 | 396801.5 | 0.0 | S |
| 86.892 | 0.0000 | 0.0000 | 82.426 | 0.32122 | 0.00000 | 602892.1 | 396811.2 | 0.0 | S |
| 86.900 | 0.0000 | 0.0000 | 82.426 | 0.32119 | 0.00000 | 602892.1 | 396820.8 | 0.0 | S |
| 86,908 | 0.0000 | 0.0000 | 82.426 | 0.32116 | 0.00000 | 602892.1 | 396830.4 | 0.0 | S |
| 86.917 | 0.0000 | 0.0000 | 82.426 | 0.32113 | 0.00000 | 602892.1 | 396840.1 | 0.0 | S |
| 86.925 | 0.0000 | 0.0000 | 82.426 | 0.32110 | 0.00000 | 602892.1 | 396849.7 | 0.0 | S |
| 86.933 | 0.0000 | 0.0000 | 82.425 | 0.32106 | 0.00000 | 602892.1 | 396859.3 | 0.0 | S |
| 86.942 | 0.0000 | 0.0000 | 82.425 | 0.32103 | 0.00000 | 602892.1 | 396868.9 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (fl/day) | Stage Elevation (ft datum) | Infiltration Rate (fta/s) | Overflow Discharge ( $\mathrm{H}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Discharge Volume ( $\left(\mathrm{f}^{3}\right)$ | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 86.950 | 0.0000 | 0.0000 | 82.425 | 0.32100 | 0.00000 | 602892.1 | 396878.6 | 0.0 | S |
| 86.958 | 0.0000 | 0.0000 | 82.425 | 0.32097 | 0.00000 | 602892.1 | 396888.2 | 0.0 | S |
| 86.967 | 0.0000 | 0.0000 | 82.425 | 0.32094 | 0.00000 | 602892.1 | 396897.8 | 0.0 | S |
| 86.975 | 0.0000 | 0.0000 | 82.425 | 0.32091 | 0.00000 | 602892.1 | 396907.5 | 0.0 | S |
| 86.983 | 0.0000 | 0.0000 | 82.424 | 0.32088 | 0.00000 | 602892.1 | 396917.1 | 0.0 | S |
| 86.992 | 0.0000 | 0.0000 | 82.424 | 0.32085 | 0.00000 | 602892.1 | 396926.7 | 0.0 | S |
| 87.000 | 0.0000 | 0.0000 | 82.424 | 0.32082 | 0.00000 | 602892.1 | 396936.3 | 0.0 | S |
| 87.008 | 0.0000 | 0.0000 | 82.424 | 0.32079 | 0.00000 | 602892.1 | 396946,0 | 0.0 | S |
| 87.017 | 0.0000 | 0.0000 | 82.424 | 0.32076 | 0.00000 | 602892.1 | 396955.6 | 0.0 | S |
| 87.025 | 0.0000 | 0.0000 | 82.424 | 0.32073 | 0.00000 | 602892.1 | 396965.2 | 0.0 | S |
| 87.033 | 0.0000 | 0.0000 | 82.423 | 0.32070 | 0.00000 | 602892.1 | 396974.8 | 0.0 | S |
| 87.042 | 0.0000 | 0.0000 | 82.423 | 0.32067 | 0.00000 | 602892.1 | 396984.4 | 0.0 | S |
| 87.050 | 0.0000 | 0.0000 | 82.423 | 0.32064 | 0.00000 | 602892.1 | 396994.1 | 0.0 | S |
| 87.058 | 0.0000 | 0,0000 | 82.423 | 0.32061 | 0.00000 | 602892.1 | 397003.7 | 0.0 | S |
| 87.067 | 0.0000 | 0.0000 | 82.423 | 0.32058 | 0.00000 | 602892.1 | 397013.3 | 0.0 | S |
| 87.075 | 0.0000 | 0.0000 | 82.423 | 0.32055 | 0.00000 | 602892.1 | 397022.9 | 0.0 | S |
| 87.083 | 0.0000 | 0.0000 | 82.422 | 0.32052 | 0.00000 | 602892.1 | 397032.5 | 0.0 | S |
| 87.092 | 0.0000 | 0.0000 | 82.422 | 0.32049 | 0.00000 | 602892.1 | 397042.2 | 0.0 | S |
| 87.100 | 0.0000 | 0.0000 | 82.422 | 0.32046 | 0.00000 | 602892.1 | 397051.8 | 0.0 | S |
| 87.108 | 0.0000 | 0.0000 | 82.422 | 0.32043 | 0.00000 | 602892.1 | 397061.4 | 0.0 | S |
| 87.117 | 0.0000 | 0.0000 | 82.422 | 0.32040 | 0.00000 | 602892.1 | 397071.0 | 0.0 | S |
| 87.125 | 0.0000 | 0.0000 | 82.422 | 0.32037 | 0.00000 | 602892.1 | 397080.6 | 0. | S |
| 87.133 | 0.0000 | 0.0000 | 82.421 | 0.32034 | 0.00000 | 602892.1 | 397090.2 | 0.0 | S |
| 87.142 | 0.0000 | 0.0000 | 82.421 | 0.32031 | 0.00000 | 602892.1 | 397099.8 | 0.0 | S |
| 87.150 | 0.0000 | 0.0000 | 82.421 | 0.32028 | 0.00000 | 602892.1 | 397109.4 | 0.0 | S |
| 87.158 | 0.0000 | 0.0000 | 82.421 | 0.32025 | 0.00000 | 602892.1 | 397119.0 | 0.0 | S |
| 87.167 | 0.0000 | 0.0000 | 82.421 | 0.32022 | 0.00000 | 602892.1 | 397128.7 | 0.0 | S |
| 87.175 | 0.0000 | 0.0000 | 82.421 | 0.32019 | 0.00000 | 602892.1 | 397138.3 | 0.0 | S |
| 87.183 | 0.0000 | 0.0000 | 82.421 | 0.32016 | 0.00000 | 602892.1 | 397147.9 | 0.0 | S |
| 87.192 | 0.0000 | 0.0000 | 82.420 | 0.32013 | 0.00000 | 602892.1 | 397157.5 | 0.0 | S |
| 87.200 | 0.0000 | 0.0000 | 82.420 | 0.32010 | 0.00000 | 602892.1 | 397167.1 | 0.0 | S |
| 87.208 | 0.0000 | 0.0000 | 82.420 | 0.32007 | 0.00000 | 602892.1 | 397176.7 | 0.0 | S |
| 87.217 | 0.0000 | 0.0000 | 82.420 | 0.32004 | 0.00000 | 602892.1 | 397186.3 | 0.0 | S |
| 87.225 | 0.0000 | 0.0000 | 82.420 | 0.32001 | 0.00000 | 602892.1 | 397195.9 | 0.0 | S |
| 87.233 | 0.0000 | 0.0000 | 82.420 | 0.31998 | 0.00000 | 602892.1 | 397205.5 | 0.0 | S |
| 87.242 | 0.0000 | 0.0000 | 82.419 | 0.31995 | 0.00000 | 602892.1 | 397215.1 | 0.0 | S |
| 87.250 | 0.0000 | 0.0000 | 82.419 | 0.31992 | 0.00000 | 602892.1 | 397224.7 | 0.0 | S |
| 87.258 | 0.0000 | 0.0000 | 82.419 | 0.31989 | 0.00000 | 602892.1 | 397234.3 | 0.0 | S |
| 87.267 | 0.0000 | 0.0000 | 82.419 | 0.31985 | 0.00000 | 602892.1 | 397243.9 | 0.0 | S |
| 87.275 | 0.0000 | 0.0000 | 82.419 | 0.31982 | 0.00000 | 602892.1 | 397253.5 | 0.0 | S |
| 87.283 | 0.0000 | 0.0000 | 82.419 | 0.31979 | 0.00000 | 602892.1 | 397263.1 | 0.0 | S |
| 87.292 | 0.0000 | 0.0000 | 82.418 | 0.31976 | 0.00000 | 602892.1 | 397272.7 | 0.0 | S |
| 87.300 | 0.0000 | 0.0000 | 82.418 | 0.31973 | 0.00000 | 602892.1 | 397282.3 | 0.0 | S |
| 87.308 | 0.0000 | 0.0000 | 82.418 | 0.31970 | 0.00000 | 602892.1 | 397291.8 | 0.0 | S |
| 87.317 | 0.0000 | 0.0000 | 82.418 | 0.31967 | 0.00000 | 602892.1 | 397301.4 | 0.0 | S |
| 87.325 | 0.0000 | 0.0000 | 82.418 | 0.31964 | 0.00000 | 602892.1 | 397311.0 | 0.0 | S |
| 87.333 | 0.0000 | 0.0000 | 82.418 | 0.31961 | 0.00000 | 602892.1 | 397320.6 | 0.0 | S |
| 87.342 | 0.0000 | 0.0000 | 82.418 | 0.31958 | 0.00000 | 602892.1 | 397330.2 | 0.0 | S |
| 87.350 | 0.0000 | 0.0000 | 82.417 | 0.31955 | 0.00000 | 602892.1 | 397339.8 | 0.0 | S |
| 87.358 | 0.0000 | 0.0000 | 82.417 | 0.31952 | 0.00000 | 602892.1 | 397349.4 | 0.0 | S |
| 87.367 | 0.0000 | 0.0000 | 82.417 | 0.31949 | 0.00000 | 602892.1 | 397358.9 | 0.0 | S |
| 87.375 | 0.0000 | 0.0000 | 82.417 | 0.31946 | 0.00000 | 602892.1 | 397368.5 | 0.0 | S |
| 87.383 | 0.0000 | 0.0000 | 82.417 | 0.31943 | 0.00000 | 602892.1 | 397378.1 | 0.0 | S |
| 87.392 | 0.0000 | 0.0000 | 82.417 | 0.31940 | 0.00000 | 602892.1 | 397387.7 | 0.0 | S |
| 87.400 | 0.0000 | 0.0000 | 82.416 | 0.31937 | 0.00000 | 602892.1 | 397397.3 | 0.0 | S |
| 87.408 | 0.0000 | 0.0000 | 82.416 | 0.31934 | 0.00000 | 602892.1 | 397406.9 | 0.0 | S |
| 87.417 | 0.0000 | 0.0000 | 82.416 | 0.31931 | 0.00000 | 602892.1 | 397416.4 | 0.0 | S |
| 87.425 | 0.0000 | 0.0000 | 82.416 | 0.31928 | 0.00000 | 602892.1 | 397426.0 | 0.0 | S |
| 87.433 | 0.0000 | 0.0000 | 82.416 | 0.31925 | 0.00000 | 602892.1 | 397435.6 | 0.0 | S |
| 87.442 | 0.0000 | 0.0000 | 82.416 | 0.31922 | 0.00000 | 602892.1 | 397445.2 | 0.0 | S |
| 87.450 | 0.0000 | 0.0000 | 82.415 | 0.31919 | 0.00000 | 602892.1 | 397454.8 | 0.0 | S |
| 87.458 | 0.0000 | 0.0000 | 82.415 | 0.31916 | 0.00000 | 602892.1 | 397464.3 | 0.0 | S |
| 87.467 | 0.0000 | 0.0000 | 82.415 | 0.31913 | 0.00000 | 602892.1 | 397473.9 | 0.0 | S |
| 87.475 | 0.0000 | 0.0000 | 82.415 | 0.31910 | 0.00000 | 602892.1 | 397483.5 | 0.0 | S |
| 87.483 | 0.0000 | 0.0000 | 82.415 | 0.31907 | 0.00000 | 602892.1 | 397493.0 | 0.0 | S |
| 87.492 | 0.0000 | 0.0000 | 82.415 | 0.31904 | 0.00000 | 602892.1 | 397502.6 | 0.0 | S |
| 87.500 | 0.0000 | 0.0000 | 82.414 | 0.31901 | 0.00000 | 602892.1 | 397512.2 | 0.0 | S |
| 87.508 | 0.0000 | 0.0000 | 82.414 | 0.31898 | 0.00000 | 602892.1 | 397521.8 | 0.0 | S |
| 87.517 | 0.0000 | 0.0000 | 82.414 | 0.31895 | 0.00000 | 602892.1 | 397531.3 | 0.0 | S |
| 87.525 | 0.0000 | 0.0000 | 82.414 | 0.31892 | 0.00000 | 602892.1 | 397540.9 | 0.0 | S |
| 87.533 | 0.0000 | 0.0000 | 82.414 | 0.31889 | 0.00000 | 602892.1 | 397550.5 | 0.0 | S |
| 87.542 | 0.0000 | 0.0000 | 82.414 | 0.31886 | 0.00000 | 602892.1 | 397560.0 | 0.0 | S |
| 87.550 | 0.0000 | 0.0000 | 82.414 | 0.31883 | 0.00000 | 602892.1 | 397569.6 | 0.0 | S |
| 87.558 | 0.0000 | 0.0000 | 82.413 | 0.31880 | 0.00000 | 602892.1 | 397579.2 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year $/ 24$ hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 87.567 | 0.0000 | 0.0000 | 82.413 | 0.31877 | 0.00000 | 602892.1 | 397588.7 | 0.0 | S |
| 87.575 | 0.0000 | 0.0000 | 82.413 | 0.31874 | 0.00000 | 602892.1 | 397598.3 | 0.0 | S |
| 87.583 | 0.0000 | 0.0000 | 82.413 | 0.31871 | 0.00000 | 602892.1 | 397607.8 | 0.0 | S |
| 87.592 | 0.0000 | 0.0000 | 82.413 | 0.31868 | 0.00000 | 602892.1 | 397617.4 | 0.0 | S |
| 87.600 | 0.0000 | 0.0000 | 82.413 | 0.31865 | 0.00000 | 602892.1 | 397627.0 | 0.0 | S |
| 87.608 | 0.0000 | 0.0000 | 82.412 | 0.31862 | 0.00000 | 602892.1 | 397636.5 | 0.0 | S |
| 87.617 | 0.0000 | 0.0000 | 82.412 | 0.31859 | 0.00000 | 602892.1 | 397646.1 | 0.0 | S |
| 87.625 | 0.0000 | 0.0000 | 82.412 | 0.31856 | 0.00000 | 602892.1 | 397655.7 | 0.0 | S |
| 87.633 | 0.0000 | 0.0000 | 82.412 | 0.31853 | 0.00000 | 602892.1 | 397665.2 | 0.0 | S |
| 87.642 | 0.0000 | 0.0000 | 82.412 | 0.31850 | 0.00000 | 602892.1 | 397674.8 | 0.0 | S |
| 87.650 | 0.0000 | 0.0000 | 82.412 | 0.31847 | 0.00000 | 602892.1 | 397684.3 | 0.0 | S |
| 87.658 | 0.0000 | 0.0000 | 82.411 | 0.31844 | 0.00000 | 602892.1 | 397693.9 | 0.0 | S |
| 87.667 | 0.0000 | 0.0000 | 82.411 | 0.31842 | 0.00000 | 602892.1 | 397703.4 | 0.0 | S |
| 87.675 | 0.0000 | 0.0000 | 82.411 | 0.31839 | 0.00000 | 602892.1 | 397713.0 | 0.0 | S |
| 87.683 | 0.0000 | 0.0000 | 82.411 | 0.31836 | 0.00000 | 602892.1 | 397722.5 | 0.0 | S |
| 87.692 | 0.0000 | 0.0000 | 82.411 | 0.31833 | 0.00000 | 602892.1 | 397732.1 | 0.0 | S |
| 87.700 | 0.0000 | 0.0000 | 82.411 | 0.31830 | 0.00000 | 602892.1 | 397741.6 | 0.0 | S |
| 87.708 | 0.0000 | 0.0000 | 82.410 | 0.37827 | 0.00000 | 602892.1 | 397751.2 | 0.0 | S |
| 87.717 | 0.0000 | 0.0000 | 82.410 | 0.31824 | 0.00000 | 602892.1 | 397760.7 | 0.0 | S |
| 87.725 | 0.0000 | 0.0000 | 82.410 | 0.31821 | 0.00000 | 602892.1 | 397770.3 | 0.0 | S |
| 87.733 | 0.0000 | 0.0000 | 82.410 | 0.31818 | 0.00000 | 602892.1 | 397779.8 | 0.0 | S |
| 87.742 | 0.0000 | 0.0000 | 82.410 | 0.31815 | 0.00000 | 602892.1 | 397789.3 | 0.0 | S |
| 87.750 | 0.0000 | 0.0000 | 82.410 | 0.31812 | 0.00000 | 602892.1 | 397798.9 | 0.0 | S |
| 87.758 | 0.0000 | 0.0000 | 82.410 | 0.31809 | 0.00000 | 602892.1 | 397808.4 | 0.0 | S |
| 87.767 | 0.0000 | 0.0000 | 82.409 | 0.31806 | 0.00000 | 602892.1 | 397818.0 | 0.0 | S |
| 87.775 | 0.0000 | 0.0000 | 82.409 | 0.31803 | 0.00000 | 602892.1 | 397827.5 | 0.0 | S |
| 87.783 | 0.0000 | 0.0000 | 82.409 | 0.31800 | 0.00000 | 602892.1 | 397837.1 | 0.0 | S |
| 87.792 | 0.0000 | 0.0000 | 82.409 | 0.31797 | 0.00000 | 602892.1 | 397846.6 | 0.0 | S |
| 87.800 | 0.0000 | 0.0000 | 82.409 | 0.31794 | 0.00000 | 602892.1 | 397856.2 | 0.0 | S |
| 87.808 | 0.0000 | 0.0000 | 82.409 | 0.31791 | 0.00000 | 602892.1 | 397865.7 | 0.0 | S |
| 87.817 | 0.0000 | 0.0000 | 82.408 | 0.31788 | 0.00000 | 602892.1 | 397875.2 | 0.0 | S |
| 87.825 | 0.0000 | 0.0000 | 82.408 | 0.31785 | 0.00000 | 602892.1 | 397884.8 | 0.0 | S |
| 87.833 | 0.0000 | 0.0000 | 82.408 | 0.31782 | 0.00000 | 602892.1 | 397894.3 | 0.0 | S |
| 87.842 | 0.0000 | 0.0000 | 82.408 | 0.31779 | 0.00000 | 602892.1 | 397903.8 | 0.0 | S |
| 87.850 | 0.0000 | 0.0000 | 82.408 | 0.31776 | 0.00000 | 602892.1 | 397913.3 | 0.0 | S |
| 87.858 | 0.0000 | 0.0000 | 82.408 | 0.31773 | 0.00000 | 602892.1 | 397922.9 | 0.0 | S |
| 87.867 | 0.0000 | 0.0000 | 82.407 | 0.31770 | 0.00000 | 602892.1 | 397932.4 | 0.0 | S |
| 87.875 | 0.0000 | 0.0000 | 82.407 | 0.31767 | 0.00000 | 602892.1 | 397941.9 | 0.0 | S |
| 87.883 | 0.0000 | 0.0000 | 82.407 | 0.31764 | 0.00000 | 602892.1 | 397951.5 | 0.0 | S |
| 87.892 | 0.0000 | 0.0000 | 82.407 | 0.31761 | 0.00000 | 602892.1 | 397961.0 | 0.0 | S |
| 87.900 | 0.0000 | 0.0000 | 82.407 | 0.31758 | 0.00000 | 602892.1 | 397970.5 | 0.0 | S |
| 87.908 | 0.0000 | 0.0000 | 82.407 | 0.31755 | 0.00000 | 602892.1 | 397980.1 | 0.0 | S |
| 87.917 | 0.0000 | 0.0000 | 82.406 | 0.31752 | 0.00000 | 602892.1 | 397989.6 | 0.0 | S |
| 87.925 | 0.0000 | 0.0000 | 82.406 | 0.31749 | 0.00000 | 602892.1 | 397999.1 | 0.0 | S |
| 87.933 | 0.0000 | 0.0000 | 82.406 | 0.31746 | 0.00000 | 602892.1 | 398008.6 | 0.0 | S |
| 87.942 | 0.0000 | 0.0000 | 82.406 | 0.31743 | 0.00000 | 602892.1 | 398018.2 | 0.0 | S |
| 87.950 | 0.0000 | 0.0000 | 82.406 | 0.31740 | 0.00000 | 602892.1 | 398027.7 | 0.0 | S |
| 87.958 | 0.0000 | 0.0000 | 82.406 | 0.31737 | 0.00000 | 602892.1 | 398037.2 | 0.0 | S |
| 87.967 | 0.0000 | 0.0000 | 82.406 | 0.31734 | 0.00000 | 602892.1 | 398046.7 | 0.0 | S |
| 87.975 | 0.0000 | 0.0000 | 82.405 | 0.31731 | 0.00000 | 602892.1 | 398056.3 | 0.0 | S |
| 87.983 | 0.0000 | 0.0000 | 82.405 | 0.31728 | 0.00000 | 602892.1 | 398065.8 | 0.0 | S |
| 87.992 | 0.0000 | 0.0000 | 82.405 | 0.31725 | 0.00000 | 602892.1 | 398075.3 | 0.0 | S |
| 88.000 | 0.0000 | 0.0000 | 82.405 | 0.31723 | 0.00000 | 602892.1 | 398084.8 | 0.0 | S |
| 88.008 | 0.0000 | 0.0000 | 82.405 | 0.31720 | 0.00000 | 602892, 1 | 398094.3 | 0.0 | S |
| 88.017 | 0.0000 | 0.0000 | 82.405 | 0.31717 | 0.00000 | 602892.1 | 398103.8 | 0.0 | S |
| 88.025 | 0.0000 | 0.0000 | 82.404 | 0.31714 | 0.00000 | 602892.1 | 398113.3 | 0.0 | S |
| 88.033 | 0.0000 | 0.0000 | 82.404 | 0.31711 | 0.00000 | 602892.1 | 398122.9 | 0.0 | S |
| 88.042 | 0.0000 | 0.0000 | 82.404 | 0.31708 | 0.00000 | 602892.1 | 398132.4 | 0.0 | S |
| 88.050 | 0.0000 | 0.0000 | 82.404 | 0.31705 | 0.00000 | 602892.1 | 398141.9 | 0.0 | S |
| 88.058 | 0.0000 | 0.0000 | 82.404 | 0.31702 | 0.00000 | 602892.1 | 398151.4 | 0.0 | S |
| 88.067 | 0.0000 | 0.0000 | 82.404 | 0.31699 | 0.00000 | 602892.1 | 398160.9 | 0.0 | S |
| 88.075 | 0.0000 | 0.0000 | 82.403 | 0.31696 | 0.00000 | 602892.1 | 398170.4 | 0.0 | S |
| 88.083 | 0.0000 | 0.0000 | 82.403 | 0.31693 | 0.00000 | 602892.1 | 398179.9 | 0.0 | S |
| 88.092 | 0.0000 | 0.0000 | 82.403 | 0.31690 | 0.00000 | 602892.1 | 398189.4 | 0.0 | S |
| 88.100 | 0.0000 | 0.0000 | 82.403 | 0.31687 | 0.00000 | 602892.1 | 398198.9 | 0.0 | S |
| 88.108 | 0.0000 | 0.0000 | 82.403 | 0.31684 | 0.00000 | 602892.1 | 398208.4 | 0.0 | S |
| 88.117 | 0.0000 | 0.0000 | 82.403 | 0.31681 | 0.00000 | 602892.1 | 398217.9 | 0.0 | S |
| 88.125 | 0.0000 | 0.0000 | 82.403 | 0.31678 | 0.00000 | 602892.1 | 398227.4 | 0.0 | S |
| 88.133 | 0.0000 | 0.0000 | 82.402 | 0.31675 | 0.00000 | 602892.1 | 398237.0 | 0.0 | S |
| 88.142 | 0.0000 | 0.0000 | 82.402 | 0.31672 | 0.00000 | 602892.1 | 398246.5 | 0.0 | S |
| 88.150 | 0.0000 | 0.0000 | 82.402 | 0.31669 | 0.00000 | 602892.1 | 398256.0 | 0.0 | S |
| 88.158 | 0.0000 | 0.0000 | 82.402 | 0.31666 | 0.00000 | 602892.1 | 398265.5 | 0.0 | S |
| 88.167 | 0.0000 | 0.0000 | 82.402 | 0.31663 | 0.00000 | 602892.1 | 398275.0 | 0.0 | S |
| 88.175 | 0.0000 | 0.0000 | 82.402 | 0.31660 | 0.00000 | 602892.1 | 398284.5 | 0.0 | S |

PONDS Version 3.2.0207

# Retention Pond Recovery - Refined Method Copyright 2003 

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate <br> ( $\mathrm{H}^{3 / \mathrm{s}}$ ) | Outside Recharge (fl/day) | Stage Elevation (fl datum) | Infiltration Rate ( $\mathrm{ft}^{2 / 3} \mathrm{~s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative <br> Discharge <br> Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 88.183 | 0.0000 | 0.0000 | 82.401 | 0.31657 | 0.00000 | 602892.1 | 398294.0 | 0.0 | S |
| 88.192 | 0.0000 | 0.0000 | 82.401 | 0.31654 | 0.00000 | 602892.1 | 398303.4 | 0.0 | S |
| 88.200 | 0.0000 | 0.0000 | 82.401 | 0.31652 | 0.00000 | 602892.1 | 398312.9 | 0.0 | S |
| 88.208 | 0.0000 | 0.0000 | 82.401 | 0.31649 | 0.00000 | 602892.1 | 398322.4 | 0.0 | S |
| 88.217 | 0.0000 | 0.0000 | 82.401 | 0.31646 | 0.00000 | 602892.1 | 398331.9 | 0.0 | S |
| 88.225 | 0.0000 | 0.0000 | 82.401 | 0.31643 | 0.00000 | 602892.1 | 398341.4 | 0.0 | S |
| 88.233 | 0.0000 | 0.0000 | 82.400 | 0.31640 | 0.00000 | 602892.1 | 398350.9 | 0.0 | S |
| 88.242 | 0.0000 | 0.0000 | 82.400 | 0.31637 | 0.00000 | 602892.1 | 398360.4 | 0.0 | S |
| 88.250 | 0.0000 | 0.0000 | 82.400 | 0.31634 | 0.00000 | 602892.1 | 398369.9 | 0.0 | S |
| 88.258 | 0.0000 | 0.0000 | 82.400 | 0.31631 | 0.00000 | 602892.1 | 398379.4 | 0.0 | S |
| 88.267 | 0.0000 | 0.0000 | 82.400 | 0.31628 | 0.00000 | 602892.1 | 398388.9 | 0.0 | S |
| 88.275 | 0.0000 | 0.0000 | 82.400 | 0.31625 | 0.00000 | 602892.1 | 398398.4 | 0.0 | S |
| 88.283 | 0.0000 | 0.0000 | 82.400 | 0.31622 | 0.00000 | 602892.1 | 398407.8 | 0.0 | S |
| 88.292 | 0.0000 | 0.0000 | 82.399 | 0.31619 | 0.00000 | 602892.1 | 398417.3 | 0.0 | S |
| 88.300 | 0.0000 | 0.0000 | 82.399 | 0.31616 | 0.00000 | 602892.1 | 398426.8 | 0.0 | S |
| 88.308 | 0.0000 | 0.0000 | 82.399 | 0.31613 | 0.00000 | 602892.1 | 398436.3 | 0.0 | S |
| 88.317 | 0.0000 | 0.0000 | 82.399 | 0.31610 | 0.00000 | 602892.1 | 398445.8 | 0.0 | S |
| 88.325 | 0.0000 | 0.0000 | 82.399 | 0.31607 | 0.00000 | 602892.1 | 398455.3 | 0.0 | S |
| 88.333 | 0.0000 | 0.0000 | 82.399 | 0.31604 | 0.00000 | 602892.1 | 398464.8 | 0.0 | S |
| 88.342 | 0.0000 | 0.0000 | 82.398 | 0.31601 | 0.00000 | 602892.1 | 398474.3 | 0.0 | S |
| 88.350 | 0.0000 | 0.0000 | 82.398 | 0.31599 | 0.00000 | 602892.1 | 398483.7 | 0.0 | S |
| 88.358 | 0.0000 | 0.0000 | 82.398 | 0.31596 | 0.00000 | 602892.1 | 398493.2 | 0.0 | S |
| 88.367 | 0.0000 | 0.0000 | 82.398 | 0.31593 | 0.00000 | 602892.1 | 398502.7 | 0.0 | S |
| 88.375 | 0.0000 | 0.0000 | 82.398 | 0.31590 | 0.00000 | 602892.1 | 398512.2 | 0.0 | S |
| 88.383 | 0.0000 | 0.0000 | 82.398 | 0.31587 | 0.00000 | 602892.1 | 398521.6 | 0.0 | S |
| 88.392 | 0.0000 | 0.0000 | 82.397 | 0.31584 | 0.00000 | 602892.1 | 398531.1 | 0.0 | S |
| 88.400 | 0.0000 | 0.0000 | 82.397 | 0.31581 | 0.00000 | 602892.1 | 398540.6 | 0.0 | S |
| 88.408 | 0.0000 | 0.0000 | 82.397 | 0.31578 | 0.00000 | 602892.1 | 398550.1 | 0.0 | S |
| 88.417 | 0.0000 | 0.0000 | 82.397 | 0.31575 | 0.00000 | 602892.1 | 398559.5 | 0.0 | S |
| 88.425 | 0.0000 | 0.0000 | 82.397 | 0.31572 | 0.00000 | 602892.1 | 398569.0 | 0.0 | S |
| 88.433 | 0.0000 | 0.0000 | 82.397 | 0.31569 | 0.00000 | 602892.1 | 398578.5 | 0.0 | S |
| 88.442 | 0.0000 | 0.0000 | 82.397 | 0.31566 | 0.00000 | 602892.1 | 398587.9 | 0.0 | S |
| 88.450 | 0.0000 | 0.0000 | 82.390 | 0.31563 | 0.00000 | 602892.1 | 398597.4 | 0.0 | S |
| 88.458 | 0.0000 | 0.0000 | 82.396 | 0.31560 | 0.00000 | 602892.1 | 398606.9 | 0.0 | S |
| 88.467 | 0.0000 | 0.0000 | 82.396 | 0.31557 | 0.00000 | 602892.1 | 398616.3 | 0.0 | S |
| 88.475 | 0.0000 | 0.0000 | 82.396 | 0.31554 | 0.00000 | 602892.1 | 398625.8 | 0.0 | S |
| 88.483 | 0.0000 | 0.0000 | 82.396 | 0.31552 | 0.00000 | 602892.1 | 398635.3 | 0.0 | S |
| 88.492 | 0.0000 | 0.0000 | 82.396 | 0.31549 | 0.00000 | 602892.1 | 398644.8 | 0.0 | S |
| 88.500 | 0.0000 | 0.0000 | 82.395 | 0.31546 | 0.00000 | 602892.1 | 398654.2 | 0.0 | S |
| 88.508 | 0.0000 | 0.0000 | 82.395 | 0.31543 | 0.00000 | 602892.1 | 398663.7 | 0.0 | S |
| 88.517 | 0.0000 | 0.0000 | 82.395 | 0.31540 | 0.00000 | 602892.1 | 398673.1 | 0.0 | S |
| 88.525 | 0.0000 | 0.0000 | 82.395 | 0.31537 | 0.00000 | 602892.1 | 398682.6 | 0.0 | S |
| 88.533 | 0.0000 | 0.0000 | 82.395 | 0.31534 | 0.00000 | 602892.1 | 398692.1 | 0.0 | S |
| 88.542 | 0.0000 | 0.0000 | 82.395 | 0.31531 | 0.00000 | 602892.1 | 398701.5 | 0.0 | S |
| 88.550 | 0.0000 | 0.0000 | 82.394 | 0.31528 | 0.00000 | 602892.1 | 398711.0 | 0.0 | S |
| 88.558 | 0.0000 | 0.0000 | 82.394 | 0.31525 | 0.00000 | 602892.1 | 398720.4 | 0.0 | S |
| 88.567 | 0.0000 | 0.0000 | 82.394 | 0.31522 | 0.00000 | 602892.1 | 398729.9 | 0.0 | S |
| 88.575 | 0.0000 | 0.0000 | 82.394 | 0.31519 | 0.00000 | 602892.1 | 398739.3 | 0.0 | S |
| 88.583 | 0.0000 | 0.0000 | 82.394 | 0.31516 | 0.00000 | 602892.1 | 398748.8 | 0.0 | S |
| 88.592 | 0.0000 | 0.0000 | 82.394 | 0.31513 | 0.00000 | 602892.1 | 398758.3 | 0.0 | S |
| 88.600 | 0.0000 | 0.0000 | 82.394 | 0.31511 | 0.00000 | 602892.1 | 398767.7 | 0.0 | S |
| 88.608 | 0.0000 | 0.0000 | 82.393 | 0.31508 | 0.00000 | 602892.1 | 398777.2 | 0.0 | S |
| 88.617 | 0.0000 | 0.0000 | 82.393 | 0.31505 | 0.00000 | 602892.1 | 398786.6 | 0.0 | S |
| 88.625 | 0.0000 | 0.0000 | 82.393 | 0.31502 | 0.00000 | 602892.1 | 398796.1 | 0.0 | S |
| 88.633 | 0.0000 | 0.0000 | 82.393 | 0.31499 | 0.00000 | 602892.1 | 398805.5 | 0.0 | S |
| 88.642 | 0.0000 | 0.0000 | 82.393 | 0.31496 | 0.00000 | 602892.1 | 398815.0 | 0.0 | S |
| 88.650 | 0.0000 | 0.0000 | 82.393 | 0.31493 | 0.00000 | 602892.1 | 398824.4 | 0.0 | S |
| 88.658 | 0.0000 | 0.0000 | 82.392 | 0.31490 | 0.00000 | 602892.1 | 398833.9 | 0.0 | S |
| 88.667 | 0.0000 | 0.0000 | 82.392 | 0.31487 | 0.00000 | 602892.1 | 398843.3 | 0.0 | S |
| 88.675 | 0.0000 | 0.0000 | 82.392 | 0.31484 | 0.00000 | 602892.1 | 398852.8 | 0.0 | S |
| 88.683 | 0.0000 | 0.0000 | 82.392 | 0.31481 | 0.00000 | 602892.1 | 398862.2 | 0.0 | S |
| 88.692 | 0.0000 | 0.0000 | 82.392 | 0.31478 | 0.00000 | 602892.1 | 398871.7 | 0.0 | S |
| 88.700 | 0.0000 | 0.0000 | 82.392 | 0.31475 | 0.00000 | 602892.1 | 398881.1 | 0.0 | S |
| 88.708 | 0.0000 | 0.0000 | 82.391 | 0.31473 | 0.00000 | 602892.1 | 398890.5 | 0.0 | S |
| 88.717 | 0.0000 | 0.0000 | 82.391 | 0.31470 | 0.00000 | 602892.1 | 398900.0 | 0.0 | S |
| 88.725 | 0.0000 | 0.0000 | 82.391 | 0.31467 | 0.00000 | 602892.1 | 398909.4 | 0.0 | S |
| 88.733 | 0.0000 | 0.0000 | 82.391 | 0.31464 | 0.00000 | 602892.1 | 398918.8 | 0.0 | S |
| 88.742 | 0.0000 | 0.0000 | 82.391 | 0.31461 | 0.00000 | 602892.1 | 398928.3 | 0.0 | S |
| 88.750 | 0.0000 | 0.0000 | 82.391 | 0.31458 | 0.00000 | 602892.1 | 398937.7 | 0.0 | S |
| 88.758 | 0.0000 | 0.0000 | 82.391 | 0.31455 | 0.00000 | 602892.1 | 398947.2 | 0.0 | S |
| 88.767 | 0.0000 | 0.0000 | 82.390 | 0.31452 | 0.00000 | 602892.1 | 398956.6 | 0.0 | S |
| 88.775 | 0.0000 | 0.0000 | 82.390 | 0.31449 | 0.00000 | 602892.1 | 398966.0 | 0.0 | S |
| 88.783 | 0.0000 | 0.0000 | 82.390 | 0.31446 | 0.00000 | 602892.1 | 398975.5 | 0.0 | S |
| 88.792 | 0.0000 | 0.0000 | 82.390 | 0.31443 | 0.00000 | 602892.1 | 398984.9 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (f datum) | Infiltration Rate ( $\mathrm{f} 3 / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{fl}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 88.800 | 0.0000 | 0.0000 | 82.390 | 0.31441 | 0.00000 | 602892.1 | 398994.3 | 0.0 | S |
| 88.808 | 0.0000 | 0.0000 | 82.390 | 0.31438 | 0.00000 | 602892.1 | 399003.8 | 0.0 | S |
| 88.817 | 0.0000 | 0.0000 | 82.389 | 0.31435 | 0.00000 | 602892.1 | 399013.2 | 0.0 | S |
| 88.825 | 0.0000 | 0.0000 | 82.389 | 0.31432 | 0.00000 | 602892.1 | 399022.6 | 0.0 | S |
| 88.833 | 0.0000 | 0.0000 | 82.389 | 0.31429 | 0.00000 | 602892.1 | 399032.1 | 0.0 | S |
| 88.842 | 0.0000 | 0.0000 | 82.389 | 0.31426 | 0.00000 | 602892.1 | 399041.5 | 0.0 | S |
| 88.850 | 0.0000 | 0.0000 | 82.389 | 0.31423 | 0.00000 | 602892.1 | 399050.9 | 0.0 | S |
| 88.858 | 0.0000 | 0.0000 | 82.389 | 0.31420 | 0.00000 | 602892.1 | 399060.3 | 0.0 | S |
| 88.867 | 0.0000 | 0.0000 | 82.388 | 0.31417 | 0.00000 | 602892.1 | 399069.8 | 0.0 | S |
| 88.875 | 0.0000 | 0.0000 | 82.388 | 0.31414 | 0.00000 | 602892.1 | 399079.2 | 0.0 | S |
| 88.883 | 0.0000 | 0.0000 | 82.388 | 0.31411 | 0.00000 | 602892.1 | 399088.6 | 0.0 | S |
| 88.892 | 0.0000 | 0.0000 | 82.388 | 0.31409 | 0.00000 | 602892.1 | 399098.0 | 0.0 | S |
| 88.900 | 0.0000 | 0.0000 | 82.388 | 0.31406 | 0.00000 | 602892.1 | 399107.5 | 0.0 | S |
| 88.908 | 0.0000 | 0.0000 | 82.388 | 0.31403 | 0.00000 | 602892.1 | 399116.9 | 0.0 | S |
| 88.917 | 0.0000 | 0.0000 | 82.388 | 0.31400 | 0.00000 | 602892.1 | 399126.3 | 0.0 | S |
| 88.925 | 0.0000 | 0.0000 | 82.387 | 0.31397 | 0.00000 | 602892.1 | 399135.7 | 0.0 | S |
| 88.933 | 0.0000 | 0.0000 | 82.387 | 0.31394 | 0.00000 | 602892.1 | 399145.1 | 0.0 | S |
| 88.942 | 0.0000 | 0.0000 | 82.387 | 0.31391 | 0.00000 | 602892.1 | 399154.6 | 0.0 | S |
| 88.950 | 0.0000 | 0.0000 | 82.387 | 0.31388 | 0.00000 | 602892.1 | 399164.0 | 0.0 | S |
| 88.958 | 0.0000 | 0.0000 | 82.387 | 0.31385 | 0.00000 | 602892.1 | 399173.4 | 0.0 | S |
| 88.967 | 0.0000 | 0.0000 | 82.387 | 0.31382 | 0.00000 | 602892.1 | 399182.8 | 0.0 | S |
| 88.975 | 0.0000 | 0.0000 | 82.386 | 0.31379 | 0.00000 | 602892.1 | 399192.2 | 0.0 | S |
| 88.983 | 0.0000 | 0.0000 | 82.386 | 0.37377 | 0.00000 | 602892.1 | 399201.6 | 0.0 | S |
| 88.992 | 0.0000 | 0.0000 | 82.386 | 0.31374 | 0.00000 | 602892.1 | 399211.0 | 0.0 | S |
| 89.000 | 0.0000 | 0.0000 | 82.386 | 0.31371 | 0.00000 | 602892.1 | 399220.5 | 0.0 | S |
| 89.008 | 0.0000 | 0.0000 | 82.386 | 0.31368 | 0.00000 | 602892.1 | 399229.9 | 0.0 | S |
| 89.017 | 0.0000 | 0.0000 | 82.386 | 0.31365 | 0.00000 | 602892.1 | 399239.3 | 0.0 | S |
| 89.025 | 0.0000 | 0.0000 | 82.385 | 0.31362 | 0.00000 | 602892.1 | 399248.7 | 0.0 | S |
| 89.033 | 0.0000 | 0.0000 | 82,385 | 0.31359 | 0.00000 | 602892.1 | 399258.1 | 0.0 | S |
| 89.042 | 0.0000 | 0.0000 | 82.385 | 0.31356 | 0.00000 | 602892.1 | 399267.5 | 0.0 | S |
| 89.050 | 0.0000 | 0.0000 | 82.385 | 0.31353 | 0.00000 | 602892.1 | 399276.9 | 0.0 | S |
| 89.058 | 0.0000 | 0.0000 | 82.385 | 0.31351 | 0.00000 | 602892.1 | 399286.3 | 0.0 | S |
| 89.067 | 0.0000 | 0.0000 | 82.385 | 0.31348 | 0.00000 | 602892.1 | 399295.7 | 0.0 | S |
| 89.075 | 0.0000 | 0.0000 | 82.385 | 0.31345 | 0.00000 | 602892.1 | 399305.1 | 0.0 | S |
| 89.083 | 0.0000 | 0.0000 | 82.384 | 0.31342 | 0.00000 | 602892.1 | 399314.5 | 0.0 | S |
| 89.092 | 0.0000 | 0.0000 | 82.384 | 0.31339 | 0.00000 | 602892.1 | 399323.9 | 0.0 | S |
| 89.100 | 0.0000 | 0.0000 | 82.384 | 0.31336 | 0.00000 | 602892.1 | 399333.3 | 0.0 | S |
| 89.108 | 0.0000 | 0.0000 | 82.384 | 0.31333 | 0.00000 | 602892.1 | 399342.7 | 0.0 | S |
| 89.117 | 0.0000 | 0.0000 | 82.384 | 0.31330 | 0.00000 | 602892.1 | 399352.1 | 0.0 | S |
| 89.125 | 0.0000 | 0.0000 | 82.384 | 0.31327 | 0.00000 | 602892.1 | 399361.5 | 0.0 | S |
| 89.133 | 0.0000 | 0.0000 | 82.383 | 0.31324 | 0.00000 | 602892.1 | 399370.9 | 0.0 | S |
| 89.142 | 0.0000 | 0.0000 | 82.383 | 0.31322 | 0.00000 | 602892.1 | 399380.3 | 0.0 | S |
| 89.150 | 0.0000 | 0.0000 | 82.383 | 0.31319 | 0.00000 | 602892.1 | 399389.7 | 0.0 | S |
| 89.158 | 0.0000 | 0.0000 | 82.383 | 0.31316 | 0.00000 | 602892.1 | 399399.1 | 0.0 | S |
| 89.167 | 0.0000 | 0.0000 | 82.383 | 0.31313 | 0.00000 | 602892.1 | 399408.5 | 0.0 | S |
| 89.175 | 0.0000 | 0.0000 | 82.383 | 0.31310 | 0.00000 | 602892.1 | 399417.9 | 0.0 | S |
| 89.183 | 0.0000 | 0.0000 | 82.382 | 0.31307 | 0.00000 | 602892.1 | 399427.3 | 0.0 | S |
| 89.192 | 0.0000 | 0.0000 | 82.382 | 0.31304 | 0.00000 | 602892.1 | 399436.7 | 0.0 | S |
| 89.200 | 0.0000 | 0.0000 | 82.382 | 0.31301 | 0.00000 | 602892.1 | 399446.1 | 0.0 | S |
| 89.208 | 0.0000 | 0.0000 | 82.382 | 0.31299 | 0.00000 | 602892.1 | 399455.5 | 0.0 | S |
| 89.217 | 0.0000 | 0.0000 | 82.382 | 0.37296 | 0.00000 | 602892.1 | 399464.8 | 0.0 | S |
| 89.225 | 0.0000 | 0.0000 | 82.382 | 0.31293 | 0.00000 | 602892.1 | 399474.3 | 0.0 | S |
| 89.233 | 0.0000 | 0.0000 | 82.382 | 0.31290 | 0.00000 | 602892.1 | 399483.6 | 0.0 | S |
| 89.242 | 0.0000 | 0.0000 | 82.381 | 0.31287 | 0.00000 | 602892.1 | 399493.0 | 0.0 | S |
| 89.250 | 0.0000 | 0.0000 | 82.381 | 0.31284 | 0.00000 | 602892.1 | 399502.4 | 0.0 | S |
| 89.258 | 0.0000 | 0.0000 | 82.381 | 0.31281 | 0.00000 | 602892.1 | 399511.8 | 0.0 | S |
| 89.267 | 0.0000 | 0.0000 | 82.381 | 0.31278 | 0.00000 | 602892.1 | 399521.2 | 0.0 | S |
| 89.275 | 0.0000 | 0.0000 | 82.381 | 0.31275 | 0.00000 | 602892.1 | 399530.6 | 0.0 | S |
| 89.283 | 0.0000 | 0.0000 | 82.381 | 0.31273 | 0.00000 | 602892.1 | 399539.9 | 0.0 | S |
| 89.292 | 0.0000 | 0.0000 | 82.380 | 0.31270 | 0.00000 | 602892.1 | 399549.3 | 0.0 | S |
| 89.300 | 0.0000 | 0.0000 | 82.380 | 0.31267 | 0.00000 | 602882.1 | 399558.7 | 0.0 | S |
| 89.308 | 0.0000 | 0.0000 | 82.380 | 0.31264 | 0.00000 | 602892.1 | 399568.1 | 0.0 | S |
| 89.317 | 0.0000 | 0.0000 | 82.380 | 0.31261 | 0.00000 | 602892.1 | 399577.5 | 0.0 | S |
| 89.325 | 0.0000 | 0.0000 | 82.380 | 0.31258 | 0.00000 | 602892.1 | 399586.8 | 0.0 | S |
| 89.333 | 0.0000 | 0.0000 | 82.380 | 0.31255 | 0.00000 | 602892.1 | 399596.2 | 0.0 | S |
| 89.342 | 0.0000 | 0.0000 | 82.379 | 0.31252 | 0.00000 | 602892.1 | 399605.6 | 0.0 | S |
| 89.350 | 0.0000 | 0.0000 | 82.379 | 0.31250 | 0.00000 | 602892.1 | 399615.0 | 0.0 | S |
| 89.358 | 0.0000 | 0.0000 | 82.379 | 0.31247 | 0.00000 | 602892.1 | 399624.3 | 0.0 | S |
| 89.367 | 0.0000 | 0.0000 | 82.379 | 0.31244 | 0.00000 | 602892.1 | 399633.7 | 0.0 | S |
| 89.375 | 0.0000 | 0.0000 | 82.379 | 0.31241 | 0.00000 | 602892.1 | 399643.1 | 0.0 | S |
| 89.383 | 0.0000 | 0.0000 | 82.379 | 0.31238 | 0.00000 | 602892.1 | 399652.5 | 0.0 | S |
| 89.392 | 0.0000 | 0.0000 | 82.379 | 0.31235 | 0.00000 | 602892.1 | 399661.8 | 0.0 | S |
| 89.400 | 0.0000 | 0.0000 | 82.378 | 0.31232 | 0.00000 | 602892.1 | 399671.2 | 0.0 | S |
| 89.408 | 0.0000 | 0.0000 | 82.378 | 0.31229 | 0.00000 | 602892.1 | 399680.6 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate (fis/s) | Overflow Discharge $\left(\mathrm{H}^{3} / \mathrm{s}\right)$ | Cumulative Inflow Volume ( $\epsilon^{3}$ ) | Cumulative Infitration Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | $\begin{aligned} & \text { Flow } \\ & \text { Type } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 89.417 | 0.0000 | 0.0000 | 82.378 | 0.31227 | 0.00000 | 602892.1 | 399689.9 | 0.0 | S |
| 89.425 | 0.0000 | 0.0000 | 82.378 | 0.31224 | 0.00000 | 602892.1 | 399699.3 | 0.0 | S |
| 89.433 | 0.0000 | 0.0000 | 82.378 | 0.31221 | 0.00000 | 602892.1 | 399708.7 | 0.0 | S |
| 89.442 | 0.0000 | 0.0000 | 82.378 | 0.31218 | 0.00000 | 602892.1 | 399718.0 | 0.0 | S |
| 89.450 | 0.0000 | 0.0000 | 82.377 | 0.31215 | 0.00000 | 602892.1 | 399727.4 | 0.0 | S |
| 89.458 | 0.0000 | 0.0000 | 82.377 | 0.31212 | 0.00000 | 602892.1 | 399736.8 | 0.0 | S |
| 89.467 | 0.0000 | 0.0000 | 82.377 | 0.31209 | 0.00000 | 602892.1 | 399746.1 | 0.0 | S |
| 89.475 | 0.0000 | 0.0000 | 82.377 | 0.31206 | 0.00000 | 602892.1 | 399755.5 | 0.0 | S |
| 89.483 | 0.0000 | 0.0000 | 82.377 | 0.31204 | 0.00000 | 602892.1 | 399764.8 | 0.0 | S |
| 89.492 | 0.0000 | 0.0000 | 82.377 | 0.31201 | 0.00000 | 602892.1 | 399774.2 | 0.0 | S |
| 89.500 | 0.0000 | 0.0000 | 82.377 | 0.31198 | 0.00000 | 602892.1 | 399783.6 | 0.0 | S |
| 89.508 | 0.0000 | 0.0000 | 82.376 | 0.31195 | 0.00000 | 602892.1 | 399792.9 | 0.0 | S |
| 89.517 | 0.0000 | 0.0000 | 82.376 | 0.31192 | 0.00000 | 602892.1 | 399802.3 | 0.0 | S |
| 89.525 | 0.0000 | 0.0000 | 82.376 | 0.31189 | 0.00000 | 602892.1 | 399811.7 | 0.0 | S |
| 89.533 | 0.0000 | 0.0000 | 82.376 | 0.31186 | 0.00000 | 602892.1 | 399821.0 | 0.0 | S |
| 89.542 | 0.0000 | 0.0000 | 82.376 | 0.31184 | 0.00000 | 602892.1 | 399830.3 | 0.0 | S |
| 89.550 | 0.0000 | 0.0000 | 82.376 | 0.31181 | 0.00000 | 602892.1 | 399839.7 | 0.0 | S |
| 89.558 | 0.0000 | 0.0000 | 82.375 | 0.31178 | 0.00000 | 602892.1 | 399849.1 | 0.0 | S |
| 89.567 | 0.0000 | 0.0000 | 82.375 | 0.31175 | 0.00000 | 602892.1 | 399858.4 | 0.0 | S |
| 89.575 | 0.0000 | 0.0000 | 82.375 | 0.31172 | 0.00000 | 602892.1 | 399867.8 | 0.0 | S |
| 89.583 | 0.0000 | 0.0000 | 82.375 | 0.31169 | 0.00000 | 602892.1 | 399877.1 | 0.0 | S |
| 89.592 | 0.0000 | 0.0000 | 82.375 | 0.31166 | 0.00000 | 602892.1 | 399886.5 | 0.0 | S |
| 89.600 | 0.0000 | 0.0000 | 82.375 | 0.31163 | 0.00000 | 602892.1 | 399895.8 | 0.0 | S |
| 89.608 | 0.0000 | 0.0000 | 82.374 | 0.31161 | 0.00000 | 602892.1 | 399905.2 | 0.0 | S |
| 89.617 | 0.0000 | 0.0000 | 82.374 | 0.31158 | 0.00000 | 602892.1 | 399914.5 | 0.0 | S |
| 89.625 | 0.0000 | 0.0000 | 82.374 | 0.31155 | 0.00000 | 602892.1 | 399923.9 | 0.0 | S |
| 89,633 | 0.0000 | 0.0000 | 82.374 | 0.31152 | 0.00000 | 602892.1 | 399933.2 | 0.0 | S |
| 89.642 | 0.0000 | 0.0000 | 82.374 | 0.31149 | 0.00000 | 602892.1 | 399942.6 | 0.0 | S |
| 89.650 | 0.0000 | 0.0000 | 82.374 | 0.31146 | 0.00000 | 602892.1 | 399951.9 | 0.0 | S |
| 89.658 | 0.0000 | 0.0000 | 82.374 | 0.31143 | 0.00000 | 602892.1 | 399961.3 | 0.0 | S |
| 89.667 | 0.0000 | 0.0000 | 82.373 | 0.31141 | 0.00000 | 602892.1 | 399970.6 | 0.0 | S |
| 89.675 | 0.0000 | 0.0000 | 82.373 | 0.31138 | 0.00000 | 602892.1 | 399979.9 | 0.0 | S |
| 89.683 | 0.0000 | 0.0000 | 82.373 | 0.31135 | 0.00000 | 602892.1 | 399989.3 | 0.0 | S |
| 89.692 | 0.0000 | 0.0000 | 82.373 | 0.31132 | 0.00000 | 602892.1 | 399998.6 | 0.0 | S |
| 89.700 | 0.0000 | 0.0000 | 82.373 | 0.31129 | 0.00000 | 602892.1 | 400007.9 | 0.0 | S |
| 89.708 | 0.0000 | 0.0000 | 82.373 | 0.31126 | 0.00000 | 602892.1 | 400017.3 | 0.0 | S |
| 89.717 | 0.0000 | 0.0000 | 82.372 | 0.31123 | 0.00000 | 602892.1 | 400026.6 | 0.0 | S |
| 89.725 | 0.0000 | 0.0000 | 82.372 | 0.31121 | 0.00000 | 602892.1 | 400036.0 | 0.0 | S |
| 89.733 | 0.0000 | 0.0000 | 82.372 | 0.31118 | 0.00000 | 602892.1 | 400045.3 | 0.0 | S |
| 89.742 | 0.0000 | 0.0000 | 82.372 | 0.31115 | 0.00000 | 602892.1 | 400054.6 | 0.0 | S |
| 89.750 | 0.0000 | 0.0000 | 82.372 | 0.31112 | 0.00000 | 602892.1 | 400064.0 | 0.0 | S |
| 89.758 | 0.0000 | 0.0000 | 82.372 | 0.31109 | 0.00000 | 602892.1 | 400073.3 | 0.0 | S |
| 89.767 | 0.0000 | 0.0000 | 82.372 | 0.31106 | 0.00000 | 602892.1 | 400082.6 | 0.0 | S |
| 89.775 | 0.0000 | 0.0000 | 82.371 | 0.31104 | 0.00000 | 602892.1 | 400092.0 | 0.0 | S |
| 89.783 | 0.0000 | 0.0000 | 82.371 | 0.31101 | 0.00000 | 602892.1 | 400101.3 | 0.0 | S |
| 89.792 | 0.0000 | 0.0000 | 82.371 | 0.31098 | 0.00000 | 602892.1 | 400110.6 | 0.0 | S |
| 89.800 | 0.0000 | 0.0000 | 82.371 | 0.31095 | 0.00000 | 602892.1 | 400119.9 | 0.0 | S |
| 89.808 | 0.0000 | 0.0000 | 82.371 | 0.31092 | 0.00000 | 602892.1 | 400129.3 | 0.0 | S |
| 89.817 | 0.0000 | 0.0000 | 82.371 | 0.31089 | 0.00000 | 602892.1 | 400138.6 | 0.0 | S |
| 89.825 | 0.0000 | 0.0000 | 82.370 | 0.31086 | 0.00000 | 602892.1 | 400147.9 | 0.0 | S |
| 89.833 | 0.0000 | 0.0000 | 82.370 | 0.31084 | 0.00000 | 602892.1 | 400157.3 | 0.0 | S |
| 89.842 | 0.0000 | 0.0000 | 82.370 | 0.31081 | 0.00000 | 602892.1 | 400166.6 | 0.0 | S |
| 89.850 | 0.0000 | 0.0000 | 82.370 | 0.31078 | 0.00000 | 602892.1 | 400175.9 | 0.0 | S |
| 89.858 | 0.0000 | 0.0000 | 82.370 | 0.31075 | 0.00000 | 602892.1 | 400185.2 | 0.0 | S |
| 89.867 | 0.0000 | 0.0000 | 82.370 | 0.31072 | 0.00000 | 602892.1 | 400194.6 | 0.0 | S |
| 89.875 | 0.0000 | 0.0000 | 82.369 | 0.31069 | 0.00000 | 602892.1 | 400203.9 | 0.0 | S |
| 89.883 | 0.0000 | 0.0000 | 82.369 | 0.31067 | 0.00000 | 602892.1 | 400213.2 | 0.0 | S |
| 89.892 | 0.0000 | 0.0000 | 82.369 | 0.31064 | 0.00000 | 602892.1 | 400222.5 | 0.0 | S |
| 89.900 | 0.0000 | 0.0000 | 82.369 | 0.31061 | 0.00000 | 602892.1 | 400231.8 | 0.0 | S |
| 89.908 | 0.0000 | 0.0000 | 82.369 | 0.31058 | 0.00000 | 602892.1 | 400241.2 | 0.0 | S |
| 89.917 | 0.0000 | 0.0000 | 82.369 | 0.31055 | 0.00000 | 602892.1 | 400250.5 | 0.0 | S |
| 89.925 | 0.0000 | 0.0000 | 82.369 | 0.31052 | 0.00000 | 602892.1 | 400259.8 | 0.0 | S |
| 89.933 | 0.0000 | 0.0000 | 82.368 | 0.31049 | 0.00000 | 602892.1 | 400269.1 | 0.0 | S |
| 89.942 | 0.0000 | 0.0000 | 82.368 | 0.31047 | 0.00000 | 602892.1 | 400278.4 | 0.0 | S |
| 89.950 | 0.0000 | 0.0000 | 82.368 | 0.31044 | 0.00000 | 602892.1 | 400287.7 | 0.0 | S |
| 89.958 | 0.0000 | 0.0000 | 82.368 | 0.31041 | 0.00000 | 602892.1 | 400297.0 | 0.0 | S |
| 89.967 | 0.0000 | 0.0000 | 82.368 | 0.31038 | 0.00000 | 602892.1 | 400306.3 | 0.0 | S |
| 89.975 | 0.0000 | 0.0000 | 82.368 | 0.31035 | 0.00000 | 602892.1 | 400315.7 | 0.0 | S |
| 89.983 | 0.0000 | 0.0000 | 82.367 | 0.31032 | 0.00000 | 602892.1 | 400325.0 | 0.0 | S |
| 89.992 | 0.0000 | 0.0000 | 82.367 | 0.31030 | 0.00000 | 602892.1 | 400334.3 | 0.0 | S |
| 90.000 | 0.0000 | 0.0000 | 82.367 | 0.31027 | 0.00000 | 602892.1 | 400343.6 | 0.0 | S |
| 90.008 | 0.0000 | 0.0000 | 82.367 | 0.31024 | 0.00000 | 602892.1 | 400352.9 | 0.0 | S |
| 90.017 | 0.0000 | 0.0000 | 82.367 | 0.31021 | 0.00000 | 602892.1 | 400362.2 | 0.0 | S |
| 90.025 | 0.0000 | 0.0000 | 82.367 | 0.31018 | 0.00000 | 602892.1 | 400371.5 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario $1::$ pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate (ft3/s) | Outside Recharge (f/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow <br> Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 90.033 | 0.0000 | 0.0000 | 82.367 | 0.31015 | 0.00000 | 602892.1 | 400380.8 | 0.0 | S |
| 90.042 | 0.0000 | 0.0000 | 82.366 | 0.31013 | 0.00000 | 602892.1 | 400390.1 | 0.0 | S |
| 90.050 | 0.0000 | 0.0000 | 82.366 | 0.31010 | 0.00000 | 602892.1 | 400399.4 | 0.0 | S |
| 90.058 | 0.0000 | 0.0000 | 82.366 | 0.31007 | 0.00000 | 602892.1 | 400408.7 | 0.0 | S |
| 90.067 | 0.0000 | 0.0000 | 82.366 | 0.31004 | 0.00000 | 602892.1 | 400418.0 | 0.0 | S |
| 90.075 | 0.0000 | 0.0000 | 82.366 | 0.31001 | 0.00000 | 602892.1 | 400427.3 | 0.0 | S |
| 90.083 | 0.0000 | 0.0000 | 82.366 | 0.30998 | 0.00000 | 602882.1 | 400436.6 | 0.0 | S |
| 90.092 | 0.0000 | 0.0000 | 82.365 | 0.30996 | 0.00000 | 602892.1 | 400445.9 | 0.0 | S |
| 90.100 | 0.0000 | 0.0000 | 82.365 | 0.30993 | 0.00000 | 602892.1 | 400455.2 | 0.0 | S |
| 90.108 | 0.0000 | 0.0000 | 82.365 | 0.30990 | 0.00000 | 602892.1 | 400464.5 | 0.0 | S |
| 90.117 | 0.0000 | 0.0000 | 82.365 | 0.30987 | 0.00000 | 602892.1 | 400473.8 | 0.0 | S |
| 90.125 | 0.0000 | 0.0000 | 82.365 | 0.30984 | 0.00000 | 602892.1 | 400483.1 | 0.0 | S |
| 90.133 | 0.0000 | 0.0000 | 82.365 | 0.30981 | 0.00000 | 602892.1 | 400492.4 | 0.0 | S |
| 90.142 | 0.0000 | 0.0000 | 82.364 | 0.30979 | 0.00000 | 602892.1 | 400501.7 | 0.0 | S |
| 90.150 | 0.0000 | 0.0000 | 82.364 | 0.30976 | 0.00000 | 602892.1 | 400511.0 | 0.0 | S |
| 90.158 | 0.0000 | 0.0000 | 82.364 | 0.30973 | 0.00000 | 602892.1 | 400520.3 | 0.0 | S |
| 90.167 | 0.0000 | 0.0000 | 82.364 | 0.30970 | 0.00000 | 602892.1 | 400529.6 | 0.0 | S |
| 90.175 | 0.0000 | 0.0000 | 82.364 | 0.30967 | 0.00000 | 602892.1 | 400538.9 | 0.0 | S |
| 90.183 | 0.0000 | 0.0000 | 82.364 | 0.30965 | 0.00000 | 602892.1 | 400548.2 | 0.0 | S |
| 90.192 | 0.0000 | 0.0000 | 82.364 | 0.30962 | 0.00000 | 602892.1 | 400557.4 | 0.0 | S |
| 90.200 | 0.0000 | 0.0000 | 82.363 | 0.30959 | 0.00000 | 602892.1 | 400566.8 | 0.0 | S |
| 90.208 | 0.0000 | 0.0000 | 82.363 | 0.30956 | 0.00000 | 602892.1 | 400576.0 | 0.0 | S |
| 90.217 | 0.0000 | 0.0000 | 82.363 | 0.30953 | 0.00000 | 602892.1 | 400585.3 | 0.0 | S |
| 90.225 | 0.0000 | 0.0000 | 82.363 | 0.30950 | 0.00000 | 602892.1 | 400594.6 | 0.0 | S |
| 90.233 | 0.0000 | 0.0000 | 82.363 | 0.30948 | 0.00000 | 602892.1 | 400603.9 | 0.0 | S |
| 90.242 | 0.0000 | 0.0000 | 82.363 | 0.30945 | 0.00000 | 602892.1 | 400613.2 | 0.0 | S |
| 90.250 | 0.0000 | 0.0000 | 82.362 | 0.30942 | 0.00000 | 602892.1 | 400622.4 | 0.0 | S |
| 90.258 | 0.0000 | 0.0000 | 82.362 | 0.30939 | 0.00000 | 602892.1 | 400631.7 | 0.0 | S |
| 90.267 | 0.0000 | 0.0000 | 82.362 | 0.30936 | 0.00000 | 602892.1 | 400641.0 | 0.0 | S |
| 90.275 | 0.0000 | 0.0000 | 82.362 | 0.30933 | 0.00000 | 602892.1 | 400650.3 | 0.0 | S |
| 90.283 | 0.0000 | 0.0000 | 82.362 | 0.30931 | 0.00000 | 602892.1 | 400659.6 | 0.0 | S |
| 90.292 | 0.0000 | 0.0000 | 82.362 | 0.30928 | 0.00000 | 602892.1 | 400668.8 | 0.0 | S |
| 90.300 | 0.0000 | 0.0000 | 82.362 | 0.30925 | 0.00000 | 602892.1 | 400678.1 | 0.0 | S |
| 90.308 | 0.0000 | 0.0000 | 82.361 | 0.30922 | 0.00000 | 602892.1 | 400687.4 | 0.0 | S |
| 90.317 | 0.0000 | 0.0000 | 82.361 | 0.30919 | 0.00000 | 602892.1 | 400696.7 | 0.0 | S |
| 90.325 | 0.0000 | 0.0000 | 82.361 | 0.30917 | 0.00000 | 602892.1 | 400706.0 | 0.0 | S |
| 90.333 | 0.0000 | 0.0000 | 82.361 | 0.30914 | 0.00000 | 602892.1 | 400715.2 | 0.0 | S |
| 90.342 | 0.0000 | 0.0000 | 82.361 | 0.30911 | 0.00000 | 602892.1 | 400724.5 | 0.0 | S |
| 90.350 | 0.0000 | 0.0000 | 82.361 | 0.30908 | 0.00000 | 602892.1 | 400733.8 | 0.0 | S |
| 90.358 | 0.0000 | 0.0000 | 82.360 | 0.30905 | 0.00000 | 602892.1 | 400743.1 | 0.0 | S |
| 90.367 | 0.0000 | 0.0000 | 82.360 | 0.30902 | 0.00000 | 602892.1 | 400752.3 | 0.0 | S |
| 90.375 | 0.0000 | 0.0000 | 82.360 | 0.30900 | 0.00000 | 602892.1 | 400761.6 | 0.0 | S |
| 90.383 | 0.0000 | 0.0000 | 82.360 | 0.30897 | 0.00000 | 602892.1 | 400770.9 | 0.0 | S |
| 90.392 | 0.0000 | 0.0000 | 82.360 | 0.30894 | 0.00000 | 602892.1 | 400780.1 | 0.0 | S |
| 90.400 | 0.0000 | 0.0000 | 82.360 | 0.30891 | 0.00000 | 602892.1 | 400789.4 | 0.0 | S |
| 90.408 | 0.0000 | 0.0000 | 82.360 | 0.30888 | 0.00000 | 602892.1 | 400798.7 | 0.0 | S |
| 90.417 | 0.0000 | 0.0000 | 82.359 | 0.30886 | 0.00000 | 602892.1 | 400807.9 | 0.0 | S |
| 90.425 | 0.0000 | 0.0000 | 82.359 | 0.30883 | 0.00000 | 602892.1 | 400817.2 | 0.0 | S |
| 90.433 | 0.0000 | 0.0000 | 82.359 | 0.30880 | 0.00000 | 602892.1 | 400826.5 | 0.0 | S |
| 90.442 | 0.0000 | 0.0000 | 82.359 | 0.30877 | 0.00000 | 602892.1 | 400835.7 | 0.0 | S |
| 90.450 | 0.0000 | 0.0000 | 82.359 | 0.30874 | 0.00000 | 602892.1 | 400845.0 | 0.0 | S |
| 90.458 | 0.0000 | 0.0000 | 82.359 | 0.30872 | 0.00000 | 602892.1 | 400854.3 | 0.0 | S |
| 90.467 | 0.0000 | 0.0000 | 82.358 | 0.30869 | 0.00000 | 602892.1 | 400863.5 | 0.0 | S |
| 90.475 | 0.0000 | 0.0000 | 82.358 | 0.30866 | 0.00000 | 602892.1 | 400872.8 | 0.0 | S |
| 90.483 | 0.0000 | 0.0000 | 82.358 | 0.30863 | 0.00000 | 602892.1 | 400882.0 | 0.0 | S |
| 90.492 | 0.0000 | 0.0000 | 82.358 | 0.30860 | 0.00000 | 602892.1 | 400891.3 | 0.0 | S |
| 90.500 | 0.0000 | 0.0000 | 82.358 | 0.30858 | 0.00000 | 602892.1 | 400900.5 | 0.0 | S |
| 90.508 | 0.0000 | 0.0000 | 82.358 | 0.30855 | 0.00000 | 602892.1 | 400909.8 | 0.0 | S |
| 90.517 | 0.0000 | 0.0000 | 82.357 | 0.30852 | 0.00000 | 602892.1 | 400919.1 | 0.0 | S |
| 90.525 | 0.0000 | 0.0000 | 82.357 | 0.30849 | 0.00000 | 602882.1 | 400928.3 | 0.0 | S |
| 90.533 | 0.0000 | 0.0000 | 82.357 | 0.30846 | 0.00000 | 602892.1 | 400937.6 | 0.0 | S |
| 90.542 | 0.0000 | 0.0000 | 82.357 | 0.30844 | 0.00000 | 602892.1 | 400946.8 | 0.0 | S |
| 90.550 | 0.0000 | 0.0000 | 82.357 | 0.30841 | 0.00000 | 602892.1 | 400956.1 | 0.0 | S |
| 90.558 | 0.0000 | 0.0000 | 82.357 | 0.30838 | 0.00000 | 602892.1 | 400965.3 | 0.0 | S |
| 90.567 | 0.0000 | 0.0000 | 82.357 | 0.30835 | 0.00000 | 602892.1 | 400974.6 | 0.0 | S |
| 90.575 | 0.0000 | 0.0000 | 82.356 | 0.30832 | 0.00000 | 602892.1 | 400983.8 | 0.0 | S |
| 90.583 | 0.0000 | 0.0000 | 82.356 | 0.30830 | 0.00000 | 602892.1 | 400993.1 | 0.0 | S |
| 90.592 | 0.0000 | 0.0000 | 82.356 | 0.30827 | 0.00000 | 602892.1 | 401002.3 | 0.0 | S |
| 90.600 | 0.0000 | 0.0000 | 82.356 | 0.30824 | 0.00000 | 602892.1 | 401011.6 | 0.0 | S |
| 90.608 | 0.0000 | 0.0000 | 82.356 | 0.30821 | 0.00000 | 602892.1 | 401020.8 | 0.0 | S |
| 90.617 | 0.0000 | 0.0000 | 82.356 | 0.30818 | 0.00000 | 602892.1 | 401030.1 | 0.0 | S |
| 90.625 | 0.0000 | 0.0000 | 82.355 | 0.30816 | 0.00000 | 602892.1 | 401039.3 | 0.0 | S |
| 90.633 | 0.0000 | 0.0000 | 82.355 | 0.30813 | 0.00000 | 602892.1 | 401048.6 | 0.0 | S |
| 90.642 | 0.0000 | 0.0000 | 82.355 | 0.30810 | 0.00000 | 602892.1 | 401057.8 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumufative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumuiative infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 90.650 | 0.0000 | 0.0000 | 82.355 | 0.30807 | 0.00000 | 602892.1 | 401067.0 | 0.0 | S |
| 90.658 | 0.0000 | 0.0000 | 82.355 | 0.30804 | 0.00000 | 602892.1 | 401076.3 | 0.0 | S |
| 90.667 | 0.0000 | 0.0000 | 82.355 | 0.30802 | 0.00000 | 602892.1 | 401085.5 | 0.0 | S |
| 90.675 | 0.0000 | 0.0000 | 82.355 | 0.30799 | 0.00000 | 602892.1 | 401094.8 | 0.0 | S |
| 90.683 | 0.0000 | 0.0000 | 82.354 | 0.30796 | 0.00000 | 602892.1 | 401104.0 | 0.0 | S |
| 90.692 | 0.0000 | 0.0000 | 82.354 | 0.30793 | 0.00000 | 602892.1 | 401113.3 | 0.0 | S |
| 90.700 | 0.0000 | 0.0000 | 82.354 | 0.30790 | 0.00000 | 602892.1 | 401122.5 | 0.0 | S |
| 90.708 | 0.0000 | 0.0000 | 82.354 | 0.30788 | 0.00000 | 602892.1 | 401131.7 | 0.0 | S |
| 90.717 | 0.0000 | 0.0000 | 82.354 | 0.30785 | 0.00000 | 602892.1 | 401140.9 | 0.0 | S |
| 90.725 | 0.0000 | 0.0000 | 82.354 | 0.30782 | 0.00000 | 602892.1 | 401150.2 | 0.0 | S |
| 90.733 | 0.0000 | 0.0000 | 82.353 | 0.30779 | 0.00000 | 602892.1 | 401159.4 | 0.0 | S |
| 90.742 | 0.0000 | 0.0000 | 82.353 | 0.30776 | 0.00000 | 602892.1 | 401168.7 | 0.0 | S |
| 90.750 | 0.0000 | 0.0000 | 82.353 | 0.30774 | 0.00000 | 602892.1 | 401177.9 | 0.0 | S |
| 90.758 | 0.0000 | 0.0000 | 82.353 | 0.30771 | 0.00000 | 602892.1 | 401187.1 | 0.0 | S |
| 90.767 | 0.0000 | 0.0000 | 82.353 | 0.30768 | 0.00000 | 602892.1 | 401196.3 | 0.0 | S |
| 90.775 | 0.0000 | 0.0000 | 82.353 | 0.30765 | 0.00000 | 602892.1 | 401205.6 | 0.0 | S |
| 90.783 | 0.0000 | 0.0000 | 82.353 | 0.30762 | 0.00000 | 602892.1 | 401214.8 | 0.0 | S |
| 90.792 | 0.0000 | 0.0000 | 82.352 | 0.30760 | 0.00000 | 602892.1 | 401224.0 | 0.0 | S |
| 90.800 | 0.0000 | 0.0000 | 82.352 | 0.30757 | 0.00000 | 602892.1 | 401233.3 | 0.0 | S |
| 90.808 | 0.0000 | 0.0000 | 82.352 | 0.30754 | 0.00000 | 602892.1 | 401242.5 | 0.0 | S |
| 90.817 | 0.0000 | 0.0000 | 82.352 | 0.30751 | 0.00000 | 602892.1 | 401251.7 | 0.0 | S |
| 90.825 | 0.0000 | 0.0000 | 82.352 | 0.30749 | 0.00000 | 602892.1 | 401260.9 | 0.0 | S |
| 90.833 | 0.0000 | 0.0000 | 82.352 | 0.30746 | 0.00000 | 602892.1 | 401270.2 | 0.0 | S |
| 90.842 | 0.0000 | 0.0000 | 82.351 | 0.30743 | 0.00000 | 602892.1 | 401279.4 | 0.0 | S |
| 90.850 | 0.0000 | 0.0000 | 82.351 | 0.30740 | 0.00000 | 602892.1 | 401288.6 | 0.0 | S |
| 90.858 | 0.0000 | 0.0000 | 82.351 | 0.30737 | 0.00000 | 602892.1 | 401297.8 | 0.0 | S |
| 90.867 | 0.0000 | 0.0000 | 82.351 | 0.30735 | 0.00000 | 602892.1 | 401307.1 | 0.0 | S |
| 90.875 | 0.0000 | 0.0000 | 82.351 | 0.30732 | 0.00000 | 602892.1 | 401316.3 | 0.0 | S |
| 90.883 | 0.0000 | 0.0000 | 82.351 | 0.30729 | 0.00000 | 602892.1 | 401325.5 | 0.0 | S |
| 90.892 | 0.0000 | 0.0000 | 82.351 | 0.30726 | 0.00000 | 602892.1 | 401334.7 | 0.0 | S |
| 90.900 | 0.0000 | 0.0000 | 82.350 | 0.30723 | 0.00000 | 602892.1 | 401343.9 | 0.0 | S |
| 90.908 | 0.0000 | 0.0000 | 82.350 | 0.30721 | 0.00000 | 602892.1 | 401353.2 | 0.0 | S |
| 90.917 | 0.0000 | 0.0000 | 82.350 | 0.30718 | 0.00000 | 602892.1 | 401362.4 | 0.0 | S |
| 90.925 | 0.0000 | 0.0000 | 82.350 | 0.30715 | 0.00000 | 602892.1 | 401371.6 | 0.0 | S |
| 90.933 | 0.0000 | 0.0000 | 82.350 | 0.30712 | 0.00000 | 602892.1 | 401380.8 | 0.0 | S |
| 90.942 | 0.0000 | 0.0000 | 82.350 | 0.30710 | 0.00000 | 602892.1 | 401380.0 | 0.0 | S |
| 90.950 | 0.0000 | 0.0000 | 82.349 | 0.30707 | 0.00000 | 602892.1 | 401399.2 | 0.0 | S |
| 90.958 | 0.0000 | 0.0000 | 82.349 | 0.30704 | 0.00000 | 602892.1 | 401408.4 | 0.0 | S |
| 90.967 | 0.0000 | 0.0000 | 82.349 | 0.30701 | 0.00000 | 602892.1 | 401417.6 | 0.0 | S |
| 90.975 | 0.0000 | 0.0000 | 82.349 | 0.30698 | 0.00000 | 602892.1 | 401426.8 | 0.0 | S |
| 90.983 | 0.0000 | 0.0000 | 82.349 | 0.30696 | 0.00000 | 602892.1 | 401436.1 | 0.0 | S |
| 90.992 | 0.0000 | 0.0000 | 82.349 | 0.30693 | 0.00000 | 602892.1 | 401445.3 | 0.0 | S |
| 91.000 | 0.0000 | 0.0000 | 82.348 | 0.30690 | 0.00000 | 602892.1 | 401454.5 | 0.0 | S |
| 91.008 | 0.0000 | 0.0000 | 82.348 | 0.30687 | 0.00000 | 602892.1 | 401463.7 | 0.0 | S |
| 91.017 | 0.0000 | 0.0000 | 82.348 | 0.30685 | 0.00000 | 602892.1 | 401472.9 | 0.0 | S |
| 91.025 | 0.0000 | 0.0000 | 82.348 | 0.30682 | 0.00000 | 602892.1 | 401482.1 | 0.0 | S |
| 91.033 | 0.0000 | 0.0000 | 82.348 | 0.30679 | 0.00000 | 602892.1 | 401491.3 | 0.0 | S |
| 91.042 | 0.0000 | 0.0000 | 82.348 | 0.30676 | 0.00000 | 602892.1 | 401500.5 | 0.0 | S |
| 91.050 | 0.0000 | 0.0000 | 82.348 | 0.30674 | 0.00000 | 602892.1 | 401509.7 | 0.0 | S |
| 91.058 | 0.0000 | 0.0000 | 82.347 | 0.30671 | 0.00000 | 602892.1 | 401518.9 | 0.0 | S |
| 91.067 | 0.0000 | 0.0000 | 82.347 | 0.30668 | 0.00000 | 602892.1 | 401528.1 | 0.0 | S |
| 91.075 | 0.0000 | 0.0000 | 82.347 | 0.30665 | 0.00000 | 602892.1 | 401537.3 | 0.0 | S |
| 91.083 | 0.0000 | 0.0000 | 82.347 | 0.30662 | 0.00000 | 602892.1 | 401546.5 | 0.0 | S |
| 91.092 | 0.0000 | 0.0000 | 82.347 | 0.30660 | 0.00000 | 602892.1 | 401555.7 | 0.0 | S |
| 91.100 | 0.0000 | 0.0000 | 82.347 | 0.30657 | 0.00000 | 602892.1 | 401564.9 | 0.0 | S |
| 91.108 | 0.0000 | 0.0000 | 82.346 | 0.30654 | 0.00000 | 602892.1 | 401574.1 | 0.0 | S |
| 91.117 | 0.0000 | 0.0000 | 82.346 | 0.30651 | 0.00000 | 602892.1 | 401583.3 | 0.0 | S |
| 91.125 | 0.0000 | 0.0000 | 82.346 | 0.30649 | 0.00000 | 602892.1 | 401592.5 | 0.0 | S |
| 91.133 | 0.0000 | 0.0000 | 82.346 | 0.30646 | 0.00000 | 602892.1 | 401601.7 | 0.0 | S |
| 91.142 | 0.0000 | 0.0000 | 82.346 | 0.30643 | 0.00000 | 602892.1 | 401610.9 | 0.0 | S |
| 91.150 | 0.0000 | 0.0000 | 82.346 | 0.30640 | 0.00000 | 602892.1 | 401620.1 | 0.0 | S |
| 91.158 | 0.0000 | 0.0000 | 82.346 | 0.30638 | 0.00000 | 602892.1 | 401629.3 | 0.0 | S |
| 91.167 | 0.0000 | 0.0000 | 82.345 | 0.30635 | 0.00000 | 602892.1 | 401638.4 | 0.0 | S |
| 91.175 | 0.0000 | 0.0000 | 82.345 | 0.30632 | 0.00000 | 602892.4 | 401647.6 | 0.0 | S |
| 91.183 | 0.0000 | 0.0000 | 82.345 | 0.30629 | 0.00000 | 602892.1 | 401656.8 | 0.0 | S |
| 91.192 | 0.0000 | 0.0000 | 82.345 | 0.30626 | 0.00000 | 602892.1 | 401666.0 | 0.0 | S |
| 91.200 | 0.0000 | 0.0000 | 82.345 | 0.30624 | 0.00000 | 602892.1 | 401675.2 | 0.0 | S |
| 91.208 | 0.0000 | 0.0000 | 82.345 | 0.30621 | 0.00000 | 602892.1 | 401684.4 | 0.0 | S |
| 91.217 | 0.0000 | 0.0000 | 82.344 | 0.30618 | 0.00000 | 602892.1 | 401693.6 | 0.0 | S |
| 91.225 | 0.0000 | 0.0000 | 82.344 | 0.30615 | 0.00000 | 602892.1 | 401702.8 | 0.0 | S |
| 91.233 | 0.0000 | 0.0000 | 82.344 | 0.30613 | 0.00000 | 602892.1 | 401711.9 | 0.0 | S |
| 91.242 | 0.0000 | 0.0000 | 82.344 | 0.30610 | 0.00000 | 602892.1 | 401721.1 | 0.0 | S |
| 91.250 | 0.0000 | 0.0000 | 82.344 | 0.30607 | 0.00000 | 602892.1 | 401730.3 | 0.0 | S |
| 91.258 | 0.0000 | 0.0000 | 82.344 | 0.30604 | 0.00000 | 602892.1 | 401739.5 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Enfilitration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 91.267 | 0.0000 | 0.0000 | 82.344 | 0.30602 | 0.00000 | 602892.1 | 401748.7 | 0.0 | S |
| 91.275 | 0.0000 | 0.0000 | 82.343 | 0.30599 | 0.00000 | 602892.1 | 401757.8 | 0.0 | S |
| 91.283 | 0.0000 | 0.0000 | 82.343 | 0.30596 | 0.00000 | 602892.1 | 401767.0 | 0.0 | S |
| 91.292 | 0.0000 | 0.0000 | 82.343 | 0.30593 | 0.00000 | 602892.1 | 401776.2 | 0.0 | S |
| 91.300 | 0.0000 | 0.0000 | 82.343 | 0.30591 | 0.00000 | 602892.1 | 401785.4 | 0.0 | S |
| 91.308 | 0.0000 | 0.0000 | 82.343 | 0.30588 | 0.00000 | 602892.1 | 401794.6 | 0.0 | S |
| 91.317 | 0.0000 | 0.0000 | 82.343 | 0.30585 | 0.00000 | 602892.1 | 401803.8 | 0.0 | S |
| 91.325 | 0.0000 | 0.0000 | 82.342 | 0.30582 | 0.00000 | 602892.1 | 401812.9 | 0.0 | S |
| 91.333 | 0.0000 | 0.0000 | 82.342 | 0.30580 | 0.00000 | 602892.1 | 401822.1 | 0.0 | S |
| 91.342 | 0.0000 | 0.0000 | 82.342 | 0.30577 | 0.00000 | 602892.1 | 401831.3 | 0.0 | S |
| 91.350 | 0.0000 | 0.0000 | 82.342 | 0.30574 | 0.00000 | 602892.1 | 401840.4 | 0.0 | S |
| 91.358 | 0.0000 | 0.0000 | 82.342 | 0.30571 | 0.00000 | 602892.1 | 401849.6 | 0.0 | S |
| 91.367 | 0.0000 | 0.0000 | 82.342 | 0.30569 | 0.00000 | 602892.1 | 401858.8 | 0.0 | S |
| 91.375 | 0.0000 | 0.0000 | 82.342 | 0.30566 | 0.00000 | 602892.1 | 401867.9 | 0.0 | S |
| 91.383 | 0.0000 | 0.0000 | 82.341 | 0.30563 | 0.00000 | 602892.1 | 401877.1 | 0.0 | S |
| 91.392 | 0.0000 | 0.0000 | 82.341 | 0.30560 | 0.00000 | 602892.1 | 401886.3 | 0.0 | S |
| 91.400 | 0.0000 | 0.0000 | 82.341 | 0.30558 | 0.00000 | 602892.1 | 401895.5 | 0.0 | S |
| 91.408 | 0.0000 | 0.0000 | 82.341 | 0.30555 | 0.00000 | 602892.1 | 401904.6 | 0.0 | S |
| 91.417 | 0.0000 | 0.0000 | 82.341 | 0.30552 | 0.00000 | 602892.1 | 401913.8 | 0.0 | S |
| 91.425 | 0.0000 | 0.0000 | 82.341 | 0.30549 | 0.00000 | 602892.1 | 401922.9 | 0.0 | S |
| 91.433 | 0.0000 | 0.0000 | 82.340 | 0.30547 | 0.00000 | 602892.1 | 401932.1 | 0.0 | S |
| 91.442 | 0.0000 | 0.0000 | 82.340 | 0.30544 | 0.00000 | 602892.1 | 401941.3 | 0.0 | S |
| 91.450 | 0.0000 | 0.0000 | 82.340 | 0.30541 | 0.00000 | 602892.1 | 401950.4 | 0.0 | S |
| 91.458 | 0.0000 | 0.0000 | 82.340 | 0.30538 | 0.00000 | 602892.7 | 401959.6 | 0.0 | S |
| 91.467 | 0.0000 | 0.0000 | 82.340 | 0.30536 | 0.00000 | 602892.1 | 401968.8 | 0.0 | S |
| 91.475 | 0.0000 | 0.0000 | 82.340 | 0.30533 | 0.00000 | 602892.1 | 401977.9 | 0.0 | S |
| 91.483 | 0.0000 | 0.0000 | 82.340 | 0.30530 | 0.00000 | 602892.1 | 401987.1 | 0.0 | S |
| 91.492 | 0.0000 | 0.0000 | 82.339 | 0.30527 | 0.00000 | 602892.1 | 401996.3 | 0.0 | S |
| 91.500 | 0.0000 | 0.0000 | 82.339 | 0.30525 | 0.00000 | 602892.1 | 402005.4 | 0.0 | S |
| 91.508 | 0.0000 | 0.0000 | 82.339 | 0.30522 | 0.00000 | 602892.1 | 402014.6 | 0.0 | S |
| 91.517 | 0.0000 | 0.0000 | 82.339 | 0.30519 | 0.00000 | 602892.1 | 402023.7 | 0.0 | S |
| 91.525 | 0.0000 | 0.0000 | 82.339 | 0.30516 | 0.00000 | 602892.1 | 402032.9 | 0.0 | S |
| 91.533 | 0.0000 | 0.0000 | 82.339 | 0.30514 | 0.00000 | 602892.1 | 402042.0 | 0.0 | S |
| 91.542 | 0.0000 | 0.0000 | 82.338 | 0.30511 | 0.00000 | 602892.1 | 402051.2 | 0.0 | S |
| 91.550 | 0.0000 | 0.0000 | 82.338 | 0.30508 | 0.00000 | 602892.1 | 402060.3 | 0.0 | S |
| 91.558 | 0.0000 | 0.0000 | 82.338 | 0.30505 | 0.00000 | 602892.1 | 402069.5 | 0.0 | S |
| 91.567 | 0.0000 | 0.0000 | 82.338 | 0.30503 | 0.00000 | 602892.1 | 402078.6 | 0.0 | S |
| 91.575 | 0.0000 | 0.0000 | 82.338 | 0.30500 | 0.00000 | 602892.1 | 402087.8 | 0.0 | S |
| 91.583 | 0.0000 | 0.0000 | 82.338 | 0.30497 | 0.00000 | 602892.1 | 402096.9 | 0.0 | S |
| 91.592 | 0.0000 | 0.0000 | 82.338 | 0.30494 | 0.00000 | 602892.1 | 402106.1 | 0.0 | S |
| 91.600 | 0.0000 | 0.0000 | 82.337 | 0.30492 | 0.00000 | 602892.1 | 402115.2 | 0.0 | S |
| 91.608 | 0.0000 | 0.0000 | 82.337 | 0.30489 | 0.00000 | 602892.1 | 402124.4 | 0.0 | S |
| 91.617 | 0.0000 | 0.0000 | 82.337 | 0.30486 | 0.00000 | 602892.1 | 402133.5 | 0.0 | S |
| 91.625 | 0.0000 | 0.0000 | 82.337 | 0.30483 | 0.00000 | 602892.1 | 402142.7 | 0.0 | S |
| 91.633 | 0.0000 | 0.0000 | 82.337 | 0.30481 | 0.00000 | 602892.1 | 402151.8 | 0.0 | S |
| 91.642 | 0.0000 | 0.0000 | 82.337 | 0.30478 | 0.00000 | 602892.1 | 402161.0 | 0.0 | S |
| 91.650 | 0.0000 | 0.0000 | 82.336 | 0.30475 | 0.00000 | 602892.1 | 402170.1 | 0.0 | S |
| 91.658 | 0.0000 | 0.0000 | 82.336 | 0.30472 | 0.00000 | 602892.1 | 402179.3 | 0.0 | S |
| 91.667 | 0.0000 | 0.0000 | 82.336 | 0.30470 | 0.00000 | 602892.1 | 402188.4 | 0.0 | S |
| 91.675 | 0.0000 | 0.0000 | 82.336 | 0.30467 | 0.00000 | 602892.1 | 402197.5 | 0.0 | S |
| 91.683 | 0.0000 | 0.0000 | 82.336 | 0.30464 | 0.00000 | 602892.1 | 402206.7 | 0.0 | S |
| 91.692 | 0.0000 | 0.0000 | 82.336 | 0.30462 | 0.00000 | 602892.1 | 402215.8 | 0.0 | S |
| 91.700 | 0.0000 | 0.0000 | 82.336 | 0.30459 | 0.00000 | 602892.1 | 402224.9 | 0.0 | S |
| 91.708 | 0.0000 | 0.0000 | 82.335 | 0.30456 | 0.00000 | 602892.1 | 402234.1 | 0.0 | S |
| 91.717 | 0.0000 | 0.0000 | 82.335 | 0.30453 | 0.00000 | 602892.1 | 402243.2 | 0.0 | S |
| 91.725 | 0.0000 | 0.0000 | 82.335 | 0.30451 | 0.00000 | 602892.1 | 402252.3 | 0.0 | S |
| 91.733 | 0.0000 | 0.0000 | 82.335 | 0.30448 | 0.00000 | 602892.1 | 402261.5 | 0.0 | S |
| 91.742 | 0.0000 | 0.0000 | 82.335 | 0.30445 | 0.00000 | 602892.1 | 402270.6 | 0.0 | S |
| 91.750 | 0.0000 | 0.0000 | 82.335 | 0.30442 | 0.00000 | 602892.1 | 402279.8 | 0.0 | S |
| 91.758 | 0.0000 | 0.0000 | 82.334 | 0.30440 | 0.00000 | 602892.1 | 402288.9 | 0.0 | S |
| 91.767 | 0.0000 | 0.0000 | 82.334 | 0.30437 | 0.00000 | 602892.1 | 402298.0 | 0.0 | S |
| 91.775 | 0.0000 | 0.0000 | 82.334 | 0.30434 | 0.00000 | 602892.1 | 402307.2 | 0.0 | S |
| 91.783 | 0.0000 | 0.0000 | 82.334 | 0.30431 | 0.00000 | 602892.1 | 402316.3 | 0.0 | S |
| 91.792 | 0.0000 | 0.0000 | 82.334 | 0.30429 | 0.00000 | 602892.1 | 402325.4 | 0.0 | S |
| 91.800 | 0.0000 | 0.0000 | 82.334 | 0.30426 | 0.00000 | 602892.1 | 402334.5 | 0.0 | S |
| 91.808 | 0.0000 | 0.0000 | 82.334 | 0.30423 | 0.00000 | 602892.1 | 402343.7 | 0.0 | S |
| 91.817 | 0.0000 | 0.0000 | 82.333 | 0.30421 | 0.00000 | 602892.1 | 402352.8 | 0.0 | S |
| 91.825 | 0.0000 | 0.0000 | 82.333 | 0.30418 | 0.00000 | 602892.1 | 402361.9 | 0.0 | S |
| 91.833 | 0.0000 | 0.0000 | 82.333 | 0.30415 | 0.00000 | 602892.1 | 402371.0 | 0.0 | S |
| 91.842 | 0.0000 | 0.0000 | 82.333 | 0.30412 | 0.00000 | 602892.1 | 402380.2 | 0.0 | S |
| 91.850 | 0.0000 | 0.0000 | 82.333 | 0.30410 | 0.00000 | 602892.1 | 402389.3 | 0.0 | S |
| 91.858 | 0.0000 | 0.0000 | 82.333 | 0.30407 | 0.00000 | 602892.1 | 402398.4 | 0.0 | S |
| 91.867 | 0.0000 | 0.0000 | 82.332 | 0.30404 | 0.00000 | 602892.1 | 402407.5 | 0.0 | S |
| 91.875 | 0.0000 | 0.0000 | 82.332 | 0.30402 | 0.00000 | 602892.1 | 402416.7 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method

Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year/24 hour routing with pond 10 overflow

| Elapsed Time (hours) | inflow Rate ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infilitration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / 3}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Dischatge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 91.883 | 0.0000 | 0.0000 | 82.332 | 0.30399 | 0.00000 | 602892.1 | 402425.8 | 0.0 | S |
| 91.892 | 0.0000 | 0.0000 | 82.332 | 0.30396 | 0.00000 | 602892.1 | 402434.9 | 0.0 | S |
| 91.900 | 0.0000 | 0.0000 | 82.332 | 0.30393 | 0.00000 | 602892.1 | 402444.0 | 0.0 | S |
| 91.908 | 0.0000 | 0.0000 | 82.332 | 0.30391 | 0.00000 | 602892.1 | 402453.1 | 0.0 | S |
| 91.917 | 0.0000 | 0.0000 | 82.332 | 0.30388 | 0.00000 | 602892.1 | 402462.3 | 0.0 | S |
| 91.925 | 0.0000 | 0.0000 | 82.331 | 0.30385 | 0.00000 | 602892.1 | 402471.4 | 0.0 | S |
| 91.933 | 0.0000 | 0.0000 | 82.331 | 0.30382 | 0.00000 | 602892.1 | 402480.5 | 0.0 | S |
| 91.942 | 0.0000 | 0.0000 | 82.331 | 0.30380 | 0.00000 | 602892.1 | 402489.6 | 0.0 | S |
| 91.950 | 0.0000 | 0.0000 | 82.331 | 0.30377 | 0.00000 | 602892.1 | 402498.7 | 0.0 | S |
| 91.958 | 0.0000 | 0.0000 | 82.331 | 0.30374 | 0.00000 | 602892.1 | 402507.8 | 0.0 | S |
| 91.967 | 0.0000 | 0.0000 | 82.331 | 0.30372 | 0.00000 | 602892.1 | 402516.9 | 0.0 | S |
| 91.975 | 0.0000 | 0.0000 | 82.330 | 0.30369 | 0.00000 | 602892.1 | 402526.0 | 0.0 | S |
| 91.983 | 0.0000 | 0.0000 | 82.330 | 0.30366 | 0.00000 | 602892.1 | 402535.2 | 0.0 | S |
| 91.992 | 0.0000 | 0.0000 | 82.330 | 0.30363 | 0.00000 | 602892.1 | 402544.3 | 0.0 | S |
| 92.000 | 0.0000 | 0.0000 | 82.330 | 0.30361 | 0,00000 | 602892.1 | 402553.4 | 0.0 | S |
| 92.008 | 0.0000 | 0.0000 | 82.330 | 0.30358 | 0.00000 | 602892.1 | 402562.5 | 0.0 | S |
| 92.017 | 0.0000 | 0.0000 | 82.330 | 0.30355 | 0.00000 | 602892.1 | 402571.6 | 0.0 | S |
| 92.025 | 0.0000 | 0.0000 | 82.330 | 0.30353 | 0.00000 | 602892.1 | 402580.7 | 0.0 | S |
| 92.033 | 0.0000 | 0.0000 | 82.329 | 0.30350 | 0.00000 | 602892.1 | 402589.8 | 0.0 | S |
| 92.042 | 0.0000 | 0.0000 | 82.329 | 0.30347 | 0.00000 | 602892.1 | 402598.9 | 0.0 | S |
| 92.050 | 0.0000 | 0.0000 | 82.329 | 0.30344 | 0.00000 | 602892.1 | 402608.0 | 0.0 | S |
| 92.058 | 0.0000 | 0.0000 | 82.329 | 0.30342 | 0.00000 | 602892.1 | 402617.1 | 0.0 | S |
| 92.067 | 0.0000 | 0.0000 | 82.329 | 0.30339 | 0.00000 | 602892.1 | 402626.2 | 0.0 | S |
| 92.075 | 0.0000 | 0.0000 | 82.329 | 0.30336 | 0.00000 | 602892.1 | 402635.3 | 0.0 | S |
| 92.083 | 0.0000 | 0.0000 | 82.328 | 0.30334 | 0.00000 | 602892.1 | 402644.4 | 0.0 | S |
| 92.092 | 0.0000 | 0.0000 | 82.328 | 0.30331 | 0.00000 | 602892.1 | 402653.5 | 0.0 | S |
| 92.100 | 0.0000 | 0.0000 | 82.328 | 0.30328 | 0.00000 | 602892.1 | 402662.6 | 0.0 | S |
| 92.108 | 0.0000 | 0.0000 | 82.328 | 0.30325 | 0.00000 | 602892.1 | 402671.7 | 0.0 | S |
| 92.117 | 0.0000 | 0.0000 | 82.328 | 0.30323 | 0.00000 | 602892.1 | 402680.8 | 0.0 | S |
| 92.125 | 0.0000 | 0.0000 | 82.328 | 0.30320 | 0.00000 | 602892.1 | 402689.9 | 0.0 | S |
| 92.133 | 0.0000 | 0.0000 | 82.328 | 0.30317 | 0.00000 | 602892.1 | 402699.0 | 0.0 | S |
| 92.142 | 0.0000 | 0.0000 | 82.327 | 0.30315 | 0.00000 | 602892.1 | 402708.1 | 0.0 | S |
| 92.150 | 0.0000 | 0.0000 | 82.327 | 0.30312 | 0.00000 | 602892.1 | 402717.2 | 0.0 | S |
| 92.158 | 0.0000 | 0.0000 | 82.327 | 0.30309 | 0.00000 | 602892.1 | 402726.3 | 0.0 | S |
| 92.167 | 0.0000 | 0.0000 | 82.327 | 0.30306 | 0.00000 | 602892.1 | 402735.4 | 0.0 | S |
| 92.175 | 0.0000 | 0.0000 | 82.327 | 0.30304 | 0.00000 | 602892.1 | 402744.5 | 0.0 | S |
| 92.183 | 0.0000 | 0.0000 | 82.327 | 0.30301 | 0.00000 | 602892.1 | 402753.6 | 0.0 | S |
| 92.192 | 0.0000 | 0.0000 | 82.327 | 0.30298 | 0.00000 | 602892.1 | 402762.7 | 0.0 | S |
| 92.200 | 0.0000 | 0.0000 | 82.326 | 0.30296 | 0.00000 | 602892.1 | 402771.7 | 0.0 | S |
| 92.208 | 0.0000 | 0.0000 | 82.326 | 0.30293 | 0.00000 | 602892.1 | 402780.8 | 0.0 | S |
| 92.217 | 0.0000 | 0.0000 | 82.326 | 0.30290 | 0.00000 | 602892.1 | 402789.9 | 0.0 | S |
| 92.225 | 0.0000 | 0.0000 | 82.326 | 0.30288 | 0.00000 | 602892.1 | 402799.0 | 0.0 | S |
| 92.233 | 0.0000 | 0.0000 | 82.326 | 0.30285 | 0.00000 | 602892.1 | 402808.1 | 0.0 | S |
| 92.242 | 0.0000 | 0.0000 | 82.326 | 0.30282 | 0.00000 | 602892.1 | 402817.2 | 0.0 | S |
| 92.250 | 0.0000 | 0.0000 | 82.325 | 0.30279 | 0.00000 | 602892.1 | 402826.3 | 0.0 | S |
| 92.258 | 0.0000 | 0.0000 | 82.325 | 0.30277 | 0.00000 | 602892.1 | 402835.3 | 0.0 | S |
| 92.267 | 0.0000 | 0.0000 | 82.325 | 0.30274 | 0.00000 | 602892.1 | 402844.4 | 0.0 | S |
| 92.275 | 0.0000 | 0.0000 | 82.325 | 0.30271 | 0.00000 | 602892.1 | 402853.5 | 0.0 | S |
| 92.283 | 0.0000 | 0.0000 | 82.325 | 0.30269 | 0.00000 | 602892.1 | 402862.6 | 0.0 | S |
| 92.292 | 0.0000 | 0.0000 | 82.325 | 0.30266 | 0.00000 | 602892.1 | 402871.7 | 0.0 | S |
| 92.300 | 0.0000 | 0.0000 | 82.325 | 0.30263 | 0.00000 | 602892.1 | 402880.8 | 0.0 | S |
| 92.308 | 0.0000 | 0.0000 | 82.324 | 0.30261 | 0.00000 | 602892.1 | 402889.8 | 0.0 | S |
| 92.317 | 0.0000 | 0.0000 | 82.324 | 0.30258 | 0.00000 | 602892.1 | 402898.9 | 0.0 | S |
| 92.325 | 0.0000 | 0.0000 | 82.324 | 0.30255 | 0.00000 | 602892.1 | 402908.0 | 0.0 | S |
| 92.333 | 0.0000 | 0.0000 | 82.324 | 0.30252 | 0.00000 | 602892.1 | 402917.0 | 0.0 | S |
| 92.342 | 0.0000 | 0.0000 | 82.324 | 0.30250 | 0.00000 | 602892.1 | 402926.1 | 0.0 | S |
| 92.350 | 0.0000 | 0.0000 | 82.324 | 0.30247 | 0.00000 | 602892.1 | 402935.2 | 0.0 | S |
| 92.358 | 0.0000 | 0.0000 | 82.323 | 0.30244 | 0.00000 | 602892.1 | 402944.3 | 0.0 | S |
| 92.367 | 0.0000 | 0.0000 | 82.323 | 0.30242 | 0.00000 | 602892.1 | 402953.3 | 0.0 | S |
| 92.375 | 0.0000 | 0.0000 | 82.323 | 0.30239 | 0.00000 | 602892.1 | 402962.4 | 0.0 | S |
| 92.383 | 0.0000 | 0.0000 | 82.323 | 0.30236 | 0.00000 | 602892.1 | 402971.5 | 0.0 | S |
| 92.392 | 0.0000 | 0.0000 | 82.323 | 0.30234 | 0.00000 | 602892.1 | 402980.6 | 0.0 | S |
| 92.400 | 0.0000 | 0.0000 | 82.323 | 0.30231 | 0.00000 | 602892.1 | 402989.6 | 0.0 | S |
| 92.408 | 0.0000 | 0.0000 | 82.323 | 0.30228 | 0.00000 | 602892.1 | 402998.7 | 0.0 | S |
| 92.417 | 0.0000 | 0.0000 | 82.322 | 0.30226 | 0.00000 | 602892.1 | 403007.8 | 0.0 | S |
| 92.425 | 0.0000 | 0.0000 | 82.322 | 0.30223 | 0.00000 | 602892.1 | 403016.8 | 0.0 | S |
| 92.433 | 0.0000 | 0.0000 | 82.322 | 0.30220 | 0.00000 | 602892.1 | 403025.9 | 0.0 | S |
| 92.442 | 0.0000 | 0.0000 | 82.322 | 0.30217 | 0.00000 | 602892.1 | 403035.0 | 0.0 | S |
| 92.450 | 0.0000 | 0.0000 | 82.322 | 0.30215 | 0.00000 | 602892.1 | 403044.0 | 0.0 | S |
| 92.458 | 0.0000 | 0.0000 | 82.322 | 0.30212 | 0.00000 | 602892.1 | 403053.1 | 0.0 | S |
| 92.467 | 0.0000 | 0.0000 | 82.321 | 0.30209 | 0.00000 | 602892.1 | 403062.2 | 0.0 | S |
| 92.475 | 0.0000 | 0.0000 | 82.321 | 0.30207 | 0.00000 | 602892.1 | 403071.2 | 0.0 | S |
| 92.483 | 0.0000 | 0.0000 | 82.321 | 0.30204 | 0.00000 | 602892.1 | 403080.3 | 0.0 | S |
| 92.492 | 0.0000 | 0.0000 | 82.321 | 0,30201 | 0.00000 | 602892.1 | 403089.3 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate <br> ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate (ft ${ }^{3} / \mathrm{s}$ ) | Overfiow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{n}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Fiow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 92.500 | 0.0000 | 0.0000 | 82.321 | 0.30199 | 0.00000 | 602892.1 | 403098.4 | 0.0 | S |
| 92.508 | 0.0000 | 0.0000 | 82.321 | 0.30196 | 0.00000 | 602892.1 | 403107.5 | 0.0 | S |
| 92.517 | 0.0000 | 0.0000 | 82.321 | 0.30193 | 0.00000 | 602892.1 | 403116.5 | 0.0 | S |
| 92.525 | 0.0000 | 0.0000 | 82.320 | 0.30191 | 0.00000 | 602892.1 | 403125.6 | 0.0 | S |
| 92.533 | 0.0000 | 0.0000 | 82.320 | 0.30188 | 0.00000 | 602892.1 | 403134.6 | 0.0 | S |
| 92.542 | 0.0000 | 0.0000 | 82.320 | 0.30185 | 0.00000 | 602892.1 | 403143.7 | 0.0 | S |
| 92.550 | 0.0000 | 0.0000 | 82.320 | 0.30182 | 0.00000 | 602892.1 | 403152.8 | 0.0 | S |
| 92.558 | 0.0000 | 0.0000 | 82.320 | 0.30180 | 0.00000 | 602892.1 | 403161.8 | 0.0 | S |
| 92.567 | 0.0000 | 0.0000 | 82.320 | 0.30177 | 0.00000 | 602892.1 | 403170.8 | 0.0 | S |
| 92.575 | 0.0000 | 0.0000 | 82.319 | 0.30174 | 0.00000 | 602892.1 | 403179.9 | 0.0 | S |
| 92.583 | 0.0000 | 0.0000 | 82.319 | 0.30172 | 0.00000 | 602892.1 | 403189.0 | 0.0 | S |
| 92.592 | 0.0000 | 0.0000 | 82.319 | 0.30169 | 0.00000 | 602892.1 | 403198.0 | 0.0 | S |
| 92.600 | 0.0000 | 0.0000 | 82.319 | 0.30166 | 0.00000 | 602892.1 | 403207.1 | 0.0 | S |
| 92.608 | 0.0000 | 0.0000 | 82.319 | 0.30164 | 0.00000 | 602892.1 | 403216.1 | 0.0 | S |
| 92.617 | 0.0000 | 0.0000 | 82.319 | 0.30161 | 0.00000 | 602892.1 | 403225.2 | 0.0 | S |
| 92.625 | 0.0000 | 0.0000 | 82.319 | 0.30158 | 0.00000 | 602892.1 | 403234.2 | 0.0 | S |
| 92.633 | 0.0000 | 0.0000 | 82.318 | 0.30156 | 0.00000 | 602892.1 | 403243.3 | 0.0 | S |
| 92.642 | 0.0000 | 0.0000 | 82.318 | 0.30153 | 0.00000 | 602892.1 | 403252.3 | 0.0 | S |
| 92.650 | 0.0000 | 0.0000 | 82.318 | 0.30150 | 0.00000 | 602892.1 | 403261.3 | 0.0 | S |
| 92.658 | 0.0000 | 0.0000 | 82.318 | 0.30148 | 0.00000 | 602892.1 | 403270.4 | 0.0 | S |
| 92.667 | 0.0000 | 0.0000 | 82.318 | 0.30145 | 0.00000 | 602892.1 | 403279.4 | 0.0 | S |
| 92.675 | 0.0000 | 0.0000 | 82.318 | 0.30142 | 0.00000 | 602892.1 | 403288.5 | 0.0 | S |
| 92.683 | 0.0000 | 0.0000 | 82.317 | 0.30140 | 0.00000 | 602892.1 | 403297.5 | 0.0 | S |
| 92.692 | 0.0000 | 0.0000 | 82.317 | 0.30137 | 0.00000 | 602892.1 | 403306.6 | 0.0 | S |
| 92.700 | 0.0000 | 0.0000 | 82.317 | 0.30134 | 0.00000 | 602892.1 | 403315.6 | 0.0 | S |
| 92.708 | 0.0000 | 0.0000 | 82.317 | 0.30132 | 0.00000 | 602892.1 | 403324.6 | 0.0 | S |
| 92.717 | 0.0000 | 0.0000 | 82.317 | 0.30129 | 0.00000 | 602892.1 | 403333.7 | 0.0 | S |
| 92.725 | 0.0000 | 0.0000 | 82.317 | 0.30126 | 0.00000 | 602892.1 | 403342.7 | 0.0 | S |
| 92.733 | 0.0000 | 0.0000 | 82.317 | 0.30124 | 0.00000 | 602892.1 | 403351.8 | 0.0 | S |
| 92.742 | 0.0000 | 0.0000 | 82.316 | 0.30121 | 0.00000 | 602892.1 | 403360.8 | 0.0 | S |
| 92.750 | 0.0000 | 0.0000 | 82.316 | 0.30118 | 0.00000 | 602892.1 | 403369.8 | 0.0 | S |
| 92.758 | 0.0000 | 0.0000 | 82.316 | 0.30116 | 0.00000 | 602892.1 | 403378.8 | 0.0 | S |
| 92.767 | 0.0000 | 0.0000 | 82.316 | 0.30113 | 0.00000 | 602892.1 | 403387.9 | 0.0 | S |
| 92.775 | 0.0000 | 0.0000 | 82.316 | 0.30110 | 0.00000 | 602892.1 | 403396.9 | 0.0 | S |
| 92.783 | 0.0000 | 0.0000 | 82.316 | 0.30108 | 0.00000 | 602892.1 | 403406.0 | 0.0 | S |
| 92.792 | 0.0000 | 0.0000 | 82.316 | 0.30105 | 0.00000 | 602892.1 | 403415.0 | 0.0 | S |
| 92.800 | 0.0000 | 0.0000 | 82.315 | 0.30102 | 0.00000 | 602892.1 | 403424.0 | 0.0 | S |
| 92.808 | 0.0000 | 0.0000 | 82.315 | 0.30099 | 0.00000 | 602892.1 | 403433.1 | 0.0 | S |
| 92.817 | 0.0000 | 0.0000 | 82.315 | 0.30097 | 0.00000 | 602892.1 | 403442.1 | 0.0 | S |
| 92.825 | 0.0000 | 0.0000 | 82.315 | 0.30094 | 0.00000 | 602892.1 | 403451.1 | 0.0 | S |
| 92.833 | 0.0000 | 0.0000 | 82.315 | 0.30091 | 0.00000 | 602892.1 | 403460.1 | 0.0 | S |
| 92.842 | 0.0000 | 0.0000 | 82.315 | 0.30089 | 0.00000 | 602892.1 | 403469.2 | 0.0 | S |
| 92.850 | 0.0000 | 0.0000 | 82.314 | 0.30086 | 0.00000 | 602892.1 | 403478.2 | 0.0 | S |
| 92.858 | 0.0000 | 0.0000 | 82.314 | 0.30083 | 0.00000 | 602892.1 | 403487.2 | 0.0 | S |
| 92.867 | 0.0000 | 0.0000 | 82.314 | 0.30081 | 0.00000 | 602892.1 | 403496.3 | 0.0 | S |
| 92.875 | 0.0000 | 0.0000 | 82.314 | 0.30078 | 0.00000 | 602892.1 | 403505.3 | 0.0 | S |
| 92.883 | 0.0000 | 0.0000 | 82.314 | 0.30075 | 0.00000 | 602892.1 | 403514.3 | 0.0 | S |
| 92.892 | 0.0000 | 0.0000 | 82.314 | 0.30073 | 0.00000 | 602892.1 | 403523.3 | 0.0 | S |
| 92.900 | 0.0000 | 0.0000 | 82.314 | 0.30070 | 0.00000 | 602892.1 | 403532.3 | 0.0 | S |
| 92.908 | 0.0000 | 0.0000 | 82.313 | 0.30067 | 0.00000 | 602892.1 | 403541.3 | 0.0 | S |
| 92.917 | 0.0000 | 0.0000 | 82.313 | 0.30065 | 0.00000 | 602892.1 | 403550.4 | 0.0 | S |
| 92.925 | 0.0000 | 0.0000 | 82.313 | 0.30062 | 0.00000 | 602892.1 | 403559.4 | 0.0 | S |
| 92.933 | 0.0000 | 0.0000 | 82.313 | 0.30059 | 0.00000 | 602892.1 | 403568.4 | 0.0 | S |
| 92.942 | 0.0000 | 0.0000 | 82.313 | 0.30057 | 0.00000 | 602892.1 | 403577.4 | 0.0 | S |
| 92.950 | 0.0000 | 0.0000 | 82.313 | 0.30054 | 0.00000 | 602892.1 | 403586.4 | 0.0 | S |
| 92.958 | 0.0000 | 0.0000 | 82.312 | 0.30052 | 0.00000 | 602892.1 | 403595.5 | 0.0 | S |
| 92.967 | 0.0000 | 0.0000 | 82.312 | 0.30049 | 0.00000 | 602892.1 | 403604.5 | 0.0 | S |
| 92.975 | 0.0000 | 0.0000 | 82.312 | 0.30046 | 0.00000 | 602892.1 | 403613.5 | 0.0 | S |
| 92.983 | 0.0000 | 0.0000 | 82.312 | 0.30044 | 0.00000 | 602892.1 | 403622.5 | 0.0 | S |
| 92.992 | 0.0000 | 0.0000 | 82.312 | 0.30041 | 0.00000 | 602892.1 | 403631.5 | 0.0 | S |
| 93.000 | 0.0000 | 0.0000 | 82.312 | 0.30038 | 0.00000 | 602892.1 | 403640.5 | 0.0 | S |
| 93.008 | 0.0000 | 0.0000 | 82.312 | 0.30036 | 0.00000 | 602892.1 | 403649.5 | 0.0 | S |
| 93.017 | 0.0000 | 0.0000 | 82.311 | 0.30033 | 0.00000 | 602892.1 | 403658.6 | 0.0 | S |
| 93.025 | 0.0000 | 0.0000 | 82.311 | 0.30030 | 0.00000 | 602892.1 | 403667.6 | 0.0 | S |
| 93.033 | 0.0000 | 0.0000 | 82.311 | 0.30028 | 0.00000 | 602892.1 | 403676.6 | 0.0 | S |
| 93.042 | 0.0000 | 0.0000 | 82.311 | 0.30025 | 0.00000 | 602892.1 | 403685.6 | 0.0 | S |
| 93.050 | 0.0000 | 0.0000 | 82.311 | 0.30022 | 0.00000 | 602892.1 | 403694.6 | 0.0 | S |
| 93.058 | 0.0000 | 0.0000 | 82.311 | 0.30020 | 0.00000 | 602892.1 | 403703.6 | 0.0 | S |
| 93.067 | 0.0000 | 0.0000 | 82.311 | 0.30017 | 0.00000 | 602892.1 | 403712.6 | 0.0 | S |
| 93.075 | 0.0000 | 0.0000 | 82.310 | 0.30014 | 0.00000 | 602892.1 | 403721.6 | 0.0 | S |
| 93.083 | 0.0000 | 0.0000 | 82.310 | 0.30012 | 0.00000 | 602892.1 | 403730.6 | 0.0 | S |
| 93.092 | 0.0000 | 0.0000 | 82.310 | 0.30009 | 0.00000 | 602892.1 | 403739.6 | 0.0 | S |
| 93.100 | 0.0000 | 0.0000 | 82.310 | 0.30006 | 0.00000 | 602892.1 | 403748.6 | 0.0 | S |
| 93.108 | 0.0000 | 0.0000 | 82.310 | 0.30004 | 0.00000 | 602892.1 | 403757.6 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{3} / \mathrm{s}$ ) | Outside Recharge (it/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / 3 /}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ff}^{3}$ ) | Cumutative Discharge Volume ( $\mathrm{f}^{3}$ ) | $\begin{aligned} & \text { Flow } \\ & \text { Type } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 93.117 | 0.0000 | 0.0000 | 82.310 | 0.30001 | 0.00000 | 602892.1 | 403766.6 | 0.0 | S |
| 93.125 | 0.0000 | 0.0000 | 82.309 | 0.29998 | 0.00000 | 602892.1 | 403775.6 | 0.0 | S |
| 93.133 | 0.0000 | 0.0000 | 82.309 | 0.29996 | 0.00000 | 602892.1 | 403784.6 | 0.0 | S |
| 93.142 | 0.0000 | 0.0000 | 82.309 | 0.29993 | 0.00000 | 602892.1 | 403793.6 | 0.0 | S |
| 93.150 | 0.0000 | 0.0000 | 82.309 | 0.29990 | 0.00000 | 602892.1 | 403802.6 | 0.0 | S |
| 93.158 | 0.0000 | 0.0000 | 82.309 | 0.29988 | 0.00000 | 602892.1 | 403811.6 | 0.0 | S |
| 93.167 | 0.0000 | 0.0000 | 82.309 | 0.29985 | 0.00000 | 602892.1 | 403820.6 | 0.0 | S |
| 93.175 | 0.0000 | 0.0000 | 82.309 | 0.29982 | 0.00000 | 602892.1 | 403829.6 | 0.0 | S |
| 93.183 | 0.0000 | 0.0000 | 82.308 | 0.29980 | 0.00000 | 602892.1 | 403838.6 | 0.0 | S |
| 93.192 | 0.0000 | 0.0000 | 82.308 | 0.29977 | 0.00000 | 602892.1 | 403847.6 | 0.0 | S |
| 93.200 | 0.0000 | 0.0000 | 82.308 | 0.29975 | 0.00000 | 602892.1 | 403856.6 | 0.0 | S |
| 93.208 | 0.0000 | 0.0000 | 82.308 | 0.29972 | 0.00000 | 602892.1 | 403865.6 | 0.0 | S |
| 93.217 | 0.0000 | 0.0000 | 82.308 | 0.29969 | 0.00000 | 602892.1 | 403874.6 | 0.0 | S |
| 93.225 | 0.0000 | 0.0000 | 82.308 | 0.29967 | 0.00000 | 602892.1 | 403883.5 | 0.0 | S |
| 93.233 | 0.0000 | 0.0000 | 82.307 | 0.29964 | 0.00000 | 602892.1 | 403892.5 | 0.0 | S |
| 93.242 | 0.0000 | 0.0000 | 82.307 | 0.29961 | 0.00000 | 602892.1 | 403901.5 | 0.0 | S |
| 93.250 | 0.0000 | 0.0000 | 82.307 | 0.29959 | 0.00000 | 602892.1 | 403910.5 | 0.0 | S |
| 93.258 | 0.0000 | 0.0000 | 82.307 | 0.29956 | 0.00000 | 602892.1 | 403919.5 | 0.0 | S |
| 93.267 | 0.0000 | 0.0000 | 82.307 | 0.29953 | 0.00000 | 602892.1 | 403928.5 | 0.0 | S |
| 93.275 | 0.0000 | 0.0000 | 82.307 | 0.29951 | 0.00000 | 602892.1 | 403937.5 | 0.0 | S |
| 93.283 | 0.0000 | 0.0000 | 82.307 | 0.29948 | 0.00000 | 602892.1 | 403946.5 | 0.0 | S |
| 93.292 | 0.0000 | 0.0000 | 82.306 | 0.29945 | 0.00000 | 602892.1 | 403955.4 | 0.0 | S |
| 93.300 | 0.0000 | 0.0000 | 82.306 | 0.29943 | 0.00000 | 602892.1 | 403964.4 | 0.0 | S |
| 93.308 | 0.0000 | 0.0000 | 82.306 | 0.29940 | 0.00000 | 602892.1 | 403973.4 | 0.0 | S |
| 93.317 | 0.0000 | 0.0000 | 82.306 | 0.29937 | 0.00000 | 602892.1 | 403982.4 | 0.0 | S |
| 93.325 | 0.0000 | 0.0000 | 82.306 | 0.29935 | 0.00000 | 602892.1 | 403991.4 | 0.0 | S |
| 93.333 | 0.0000 | 0.0000 | 82.306 | 0.29932 | 0.00000 | 602892.1 | 404000.3 | 0.0 | S |
| 93.342 | 0.0000 | 0.0000 | 82.306 | 0.29930 | 0.00000 | 602892.1 | 404009.3 | 0.0 | S |
| 93.350 | 0.0000 | 0.0000 | 82.305 | 0.29927 | 0.00000 | 602892.1 | 404018.3 | 0.0 | S |
| 93.358 | 0.0000 | 0.0000 | 82.305 | 0.29924 | 0.00000 | 602892.1 | 404027.3 | 0.0 | S |
| 93.367 | 0.0000 | 0.0000 | 82.305 | 0.29922 | 0.00000 | 602892.1 | 404036.3 | 0.0 | S |
| 93.375 | 0.0000 | 0.0000 | 82.305 | 0.29919 | 0.00000 | 602892.1 | 404045.3 | 0.0 | S |
| 93.383 | 0.0000 | 0.0000 | 82.305 | 0.29916 | 0.00000 | 602892.1 | 404054.2 | 0.0 | S |
| 93.392 | 0.0000 | 0.0000 | 82.305 | 0.29914 | 0.00000 | 602892.1 | 404063.2 | 0.0 | S |
| 93.400 | 0.0000 | 0.0000 | 82.304 | 0.29911 | 0.00000 | 602892.1 | 404072.2 | 0.0 | S |
| 93.408 | 0.0000 | 0.0000 | 82.304 | 0.29908 | 0.00000 | 602892.1 | 404081.1 | 0.0 | S |
| 93.417 | 0.0000 | 0.0000 | 82.304 | 0.29906 | 0.00000 | 602892.1 | 404090.1 | 0.0 | S |
| 93.425 | 0.0000 | 0.0000 | 82.304 | 0.29903 | 0.00000 | 602892.1 | 404099.1 | 0.0 | S |
| 93.433 | 0.0000 | 0.0000 | 82.304 | 0.29901 | 0.00000 | 602892.1 | 404108.1 | 0.0 | S |
| 93.442 | 0.0000 | 0.0000 | 82.304 | 0.29898 | 0.00000 | 602892.1 | 404117.0 | 0.0 | S |
| 93.450 | 0.0000 | 0.0000 | 82.304 | 0.29895 | 0.00000 | 602892.1 | 404126.0 | 0.0 | S |
| 93.458 | 0.0000 | 0.0000 | 82.303 | 0.29893 | 0.00000 | 602892.1 | 404135.0 | 0.0 | S |
| 93.467 | 0.0000 | 0.0000 | 82.303 | 0.29890 | 0.00000 | 602892.1 | 404143.9 | 0.0 | S |
| 93.475 | 0.0000 | 0.0000 | 82.303 | 0.29887 | 0.00000 | 602892.1 | 404152.9 | 0.0 | S |
| 93.483 | 0.0000 | 0.0000 | 82.303 | 0.29885 | 0.00000 | 602892.1 | 404161.8 | 0.0 | S |
| 93.492 | 0.0000 | 0.0000 | 82.303 | 0.29882 | 0.00000 | 602892.1 | 404170.8 | 0.0 | S |
| 93.500 | 0.0000 | 0.0000 | 82.303 | 0.29879 | 0.00000 | 602892.1 | 404179.8 | 0.0 | S |
| 93.508 | 0.0000 | 0.0000 | 82.302 | 0.29877 | 0.00000 | 602892.1 | 404188.8 | 0.0 | S |
| 93.517 | 0.0000 | 0.0000 | 82.302 | 0.29874 | 0.00000 | 602892.1 | 404197.7 | 0.0 | S |
| 93.525 | 0.0000 | 0.0000 | 82.302 | 0.29872 | 0.00000 | 602892.1 | 404206.7 | 0.0 | S |
| 93.533 | 0.0000 | 0.0000 | 82.302 | 0.29869 | 0.00000 | 602892.1 | 404215.6 | 0.0 | S |
| 93.542 | 0.0000 | 0.0000 | 82.302 | 0.29866 | 0.00000 | 602892.1 | 404224.6 | 0.0 | S |
| 93.550 | 0.0000 | 0.0000 | 82.302 | 0.29864 | 0.00000 | 602892.1 | 404233.6 | 0.0 | S |
| 93.558 | 0.0000 | 0.0000 | 82.302 | 0.29861 | 0.00000 | 602892.1 | 404242.5 | 0.0 | S |
| 93.567 | 0.0000 | 0.0000 | 82.301 | 0.29858 | 0.00000 | 602892.1 | 404251.5 | 0.0 | S |
| 93.575 | 0.0000 | 0.0000 | 82.301 | 0.29856 | 0.00000 | 602892.1 | 404260.4 | 0.0 | S |
| 93.583 | 0.0000 | 0.0000 | 82.301 | 0.29853 | 0.00000 | 602892.1 | 404269.4 | 0.0 | S |
| 93.592 | 0.0000 | 0.0000 | 82.301 | 0.29851 | 0.00000 | 602892.1 | 404278.3 | 0.0 | S |
| 93.600 | 0.0000 | 0.0000 | 82.301 | 0.29848 | 0.00000 | 602892.1 | 404287.3 | 0.0 | S |
| 93.608 | 0.0000 | 0.0000 | 82.301 | 0.29845 | 0.00000 | 602892.1 | 404296.3 | 0.0 | S |
| 93.617 | 0.0000 | 0.0000 | 82.301 | 0.29843 | 0.00000 | 602892.1 | 404305.2 | 0.0 | S |
| 93.625 | 0.0000 | 0.0000 | 82.300 | 0.29840 | 0.00000 | 602892.7 | 404314.2 | 0.0 | S |
| 93.633 | 0.0000 | 0.0000 | 82.300 | 0.29837 | 0.00000 | 602892.1 | 404323.1 | 0.0 | S |
| 93.642 | 0.0000 | 0.0000 | 82.300 | 0.29835 | 0.00000 | 602892.1 | 404332.1 | 0.0 | S |
| 93.650 | 0.0000 | 0.0000 | 82.300 | 0.29832 | 0.00000 | 602892.1 | 404341.0 | 0.0 | S |
| 93.658 | 0.0000 | 0.0000 | 82.300 | 0.29830 | 0.00000 | 602892.1 | 404350.0 | 0.0 | S |
| 93.667 | 0.0000 | 0.0000 | 82.300 | 0.29827 | 0.00000 | 602892.1 | 404358.9 | 0.0 | S |
| 93.675 | 0.0000 | 0.0000 | 82.299 | 0.29824 | 0.00000 | 602892.1 | 404367.8 | 0.0 | S |
| 93.683 | 0.0000 | 0.0000 | 82.299 | 0.29822 | 0.00000 | 602892.1 | 404376.8 | 0.0 | S |
| 93.692 | 0.0000 | 0.0000 | 82.299 | 0.29819 | 0.00000 | 602892.1 | 404385.8 | 0.0 | S |
| 93.700 | 0.0000 | 0.0000 | 82.299 | 0.29816 | 0.00000 | 602892.1 | 404394.7 | 0.0 | S |
| 93.708 | 0.0000 | 0.0000 | 82.299 | 0.29814 | 0.00000 | 602892.1 | 404403.6 | 0.0 | S |
| 93.717 | 0.0000 | 0.0000 | 82.299 | 0.29811 | 0.00000 | 602892.1 | 404412.6 | 0.0 | S |
| 93.725 | 0.0000 | 0.0000 | 82.299 | 0.29809 | 0,00000 | 602892.1 | 404421.5 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year $/ 24$ hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate (ft ${ }^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 93.733 | 0.0000 | 0.0000 | 82.298 | 0.29806 | 0.00000 | 602892.1 | 404430.5 | 0.0 | S |
| 93.742 | 0.0000 | 0.0000 | 82.298 | 0.29803 | 0.00000 | 602892.1 | 404439.4 | 0.0 | S |
| 93.750 | 0.0000 | 0.0000 | 82.298 | 0.29801 | 0.00000 | 602892.1 | 404448.3 | 0.0 | S |
| 93.758 | 0.0000 | 0.0000 | 82.298 | 0.29798 | 0.00000 | 602892.1 | 404457.3 | 0.0 | S |
| 93.767 | 0.0000 | 0.0000 | 82.298 | 0.29796 | 0.00000 | 602892.1 | 404466.2 | 0.0 | S |
| 93.775 | 0.0000 | 0.0000 | 82.298 | 0.29793 | 0.00000 | 602892.1 | 404475.2 | 0.0 | S |
| 93.783 | 0.0000 | 0.0000 | 82.297 | 0.29790 | 0.00000 | 602892.1 | 404484.1 | 0.0 | S |
| 93.792 | 0.0000 | 0.0000 | 82.297 | 0.29788 | 0.00000 | 602892.1 | 404493.0 | 0.0 | S |
| 93.800 | 0.0000 | 0.0000 | 82.297 | 0.29785 | 0.00000 | 602892.1 | 404502.0 | 0.0 | S |
| 93.808 | 0.0000 | 0.0000 | 82.297 | 0.29782 | 0.00000 | 602892.1 | 404510.9 | 0.0 | S |
| 93.817 | 0.0000 | 0.0000 | 82.297 | 0.29780 | 0.00000 | 602892.1 | 404519.8 | 0.0 | S |
| 93.825 | 0.0000 | 0.0000 | 82.297 | 0.29777 | 0.00000 | 602892.1 | 404528.8 | 0.0 | S |
| 93.833 | 0.0000 | 0.0000 | 82.297 | 0.29775 | 0.00000 | 602892.1 | 404537.7 | 0.0 | S |
| 93.842 | 0.0000 | 0.0000 | 82.296 | 0.29772 | 0.00000 | 602892.1 | 404546.6 | 0.0 | S |
| 93.850 | 0.0000 | 0.0000 | 82.296 | 0.29769 | 0.00000 | 602892.1 | 404555.6 | 0.0 | S |
| 93.858 | 0.0000 | 0.0000 | 82.296 | 0.29767 | 0.00000 | 602892.1 | 404564.5 | 0.0 | S |
| 93.867 | 0.0000 | 0.0000 | 82.296 | 0.29764 | 0.00000 | 602892.1 | 404573.4 | 0.0 | S |
| 93.875 | 0.0000 | 0.0000 | 82.296 | 0.29762 | 0.00000 | 602892.1 | 404582.3 | 0.0 | S |
| 93.883 | 0.0000 | 0.0000 | 82.296 | 0.29759 | 0.00000 | 602892.1 | 404591.3 | 0.0 | S |
| 93.892 | 0.0000 | 0.0000 | 82.296 | 0.29756 | 0.00000 | 602892.1 | 404600.2 | 0.0 | S |
| 93.900 | 0.0000 | 0.0000 | 82.295 | 0.29754 | 0.00000 | 602892.1 | 404609.2 | 0.0 | S |
| 93.908 | 0.0000 | 0.0000 | 82.295 | 0.29751 | 0.00000 | 602892.1 | 404618.1 | 0.0 | S |
| 93.917 | 0.0000 | 0.0000 | 82.295 | 0.29748 | 0.00000 | 602892.1 | 404627.0 | 0.0 | S |
| 93.925 | 0.0000 | 0.0000 | 82.295 | 0.29746 | 0.00000 | 602892.1 | 404635.9 | 0.0 | S |
| 93.933 | 0.0000 | 0.0000 | 82.295 | 0.29743 | 0.00000 | 602892.1 | 404644.8 | 0.0 | S |
| 93.942 | 0.0000 | 0.0000 | 82.295 | 0.29741 | 0.00000 | 602892.1 | 404653.8 | 0.0 | S |
| 93.950 | 0.0000 | 0.0000 | 82.294 | 0.29738 | 0.00000 | 602892.1 | 404662.7 | 0.0 | S |
| 93.958 | 0.0000 | 0.0000 | 82.294 | 0.29735 | 0.00000 | 602892.1 | 404671.6 | 0.0 | S |
| 93.967 | 0.0000 | 0.0000 | 82.294 | 0.29733 | 0.00000 | 602892.1 | 404680.5 | 0.0 | S |
| 93.975 | 0.0000 | 0.0000 | 82.294 | 0.29730 | 0.00000 | 602892.1 | 404689.4 | 0.0 | S |
| 93.983 | 0.0000 | 0.0000 | 82.294 | 0.29728 | 0.00000 | 602892.1 | 404698.4 | 0.0 | S |
| 93.992 | 0.0000 | 0.0000 | 82.294 | 0.29725 | 0.00000 | 602892.1 | 404707.3 | 0.0 | S |
| 94.000 | 0.0000 | 0.0000 | 82.294 | 0.29722 | 0.00000 | 602892.1 | 404716.2 | 0.0 | S |
| 94.008 | 0.0000 | 0.0000 | 82.293 | 0.29720 | 0.00000 | 602892.1 | 404725.1 | 0.0 | S |
| 94.017 | 0.0000 | 0.0000 | 82.293 | 0.29717 | 0.00000 | 602892.1 | 404734.0 | 0.0 | S |
| 94.025 | 0.0000 | 0.0000 | 82.293 | 0.29715 | 0.00000 | 602892.1 | 404742.9 | 0.0 | S |
| 94.033 | 0.0000 | 0.0000 | 82.293 | 0.29712 | 0.00000 | 602892.1 | 404751.8 | 0.0 | S |
| 94.042 | 0.0000 | 0.0000 | 82.293 | 0.29709 | 0.00000 | 602892.1 | 404760.8 | 0.0 | S |
| 94.050 | 0.0000 | 0.0000 | 82.293 | 0.29707 | 0.00000 | 602892.1 | 404769.7 | 0.0 | S |
| 94.058 | 0.0000 | 0.0000 | 82.293 | 0.29704 | 0.00000 | 602892.1 | 404778.6 | 0.0 | S |
| 94.067 | 0.0000 | 0.0000 | 82.292 | 0.29702 | 0.00000 | 602892.1 | 404787.5 | 0.0 | S |
| 94.075 | 0.0000 | 0.0000 | 82.292 | 0.29699 | 0.00000 | 602892.1 | 404796.4 | 0.0 | S |
| 94.083 | 0.0000 | 0.0000 | 82.292 | 0.29696 | 0.00000 | 602892.1 | 404805.3 | 0.0 | S |
| 94.092 | 0.0000 | 0.0000 | 82.292 | 0.29694 | 0.00000 | 602892.1 | 404814.3 | 0.0 | S |
| 94.100 | 0.0000 | 0.0000 | 82.292 | 0.29691 | 0.00000 | 602892.1 | 404823.2 | 0.0 | S |
| 94.108 | 0.0000 | 0.0000 | 82.292 | 0.29689 | 0.00000 | 602892.1 | 404832.1 | 0.0 | S |
| 94.117 | 0.0000 | 0.0000 | 82.291 | 0.29686 | 0.00000 | 602892.1 | 404841.0 | 0.0 | S |
| 94.125 | 0.0000 | 0.0000 | 82.291 | 0.29683 | 0.00000 | 602892.1 | 404849.9 | 0.0 | S |
| 94.133 | 0.0000 | 0.0000 | 82.291 | 0.29687 | 0.00000 | 602892.1 | 404858.8 | 0.0 | S |
| 94.142 | 0.0000 | 0.0000 | 82.291 | 0.29678 | 0.00000 | 602892.1 | 404867.7 | 0.0 | S |
| 94.150 | 0.0000 | 0.0000 | 82.291 | 0.29676 | 0.00000 | 602892.1 | 404876.6 | 0.0 | S |
| 94.158 | 0.0000 | 0.0000 | 82.291 | 0.29673 | 0.00000 | 602892.1 | 404885.5 | 0.0 | S |
| 94.167 | 0.0000 | 0.0000 | 82.291 | 0.29670 | 0.00000 | 602892.1 | 404894.4 | 0.0 | S |
| 94.175 | 0.0000 | 0.0000 | 82.290 | 0.29668 | 0.00000 | 602892.1 | 404903.3 | 0.0 | S |
| 94.183 | 0.0000 | 0.0000 | 82.290 | 0.29665 | 0.00000 | 602892.1 | 404912.2 | 0.0 | S |
| 94.192 | 0.0000 | 0.0000 | 82.290 | 0.29663 | 0.00000 | 602892.1 | 404921.1 | 0.0 | S |
| 94.200 | 0.0000 | 0.0000 | 82.290 | 0.29660 | 0.00000 | 602892.1 | 404930.0 | 0.0 | S |
| 94.208 | 0.0000 | 0.0000 | 82.290 | 0.29657 | 0.00000 | 602892.1 | 404938.9 | 0.0 | S |
| 94.217 | 0.0000 | 0.0000 | 82.290 | 0.29655 | 0.00000 | 602892.1 | 404947.8 | 0.0 | S |
| 94.225 | 0.0000 | 0.0000 | 82.290 | 0.29652 | 0.00000 | 602892.1 | 404956.7 | 0.0 | S |
| 94.233 | 0.0000 | 0.0000 | 82.289 | 0.29650 | 0.00000 | 602892.1 | 404965.6 | 0.0 | S |
| 94.242 | 0.0000 | 0.0000 | 82.289 | 0.29647 | 0.00000 | 602892.1 | 404974.5 | 0.0 | S |
| 94.250 | 0.0000 | 0.0000 | 82.289 | 0.29644 | 0.00000 | 602892.1 | 404983.3 | 0.0 | S |
| 94.258 | 0.0000 | 0.0000 | 82.289 | 0.29642 | 0.00000 | 602892.1 | 404992.3 | 0.0 | S |
| 94.267 | 0.0000 | 0.0000 | 82.289 | 0.29639 | 0.00000 | 602892.1 | 405001.1 | 0.0 | S |
| 94.275 | 0.0000 | 0.0000 | 82.289 | 0.29637 | 0.00000 | 602892.1 | 405010.0 | 0.0 | S |
| 94.283 | 0.0000 | 0.0000 | 82.288 | 0.28634 | 0.00000 | 602892.1 | 405018.9 | 0.0 | S |
| 94.292 | 0.0000 | 0.0000 | 82.288 | 0.28632 | 0.00000 | 602892.1 | 405027.8 | 0.0 | S |
| 94.300 | 0.0000 | 0.0000 | 82.288 | 0.29629 | 0.00000 | 602892.1 | 405036.7 | 0.0 | S |
| 94.308 | 0.0000 | 0.0000 | 82.288 | 0.29626 | 0.00000 | 602892.1 | 405045.6 | 0.0 | S |
| 94.317 | 0.0000 | 0.0000 | 82.288 | 0.29624 | 0.00000 | 602892.1 | 405054.5 | 0.0 | S |
| 94.325 | 0.0000 | 0.0000 | 82.288 | 0.29621 | 0.00000 | 602892.1 | 405063.3 | 0.0 | S |
| 94.333 | 0.0000 | 0.0000 | 82.288 | 0.29619 | 0.00000 | 602892.1 | 405072.3 | 0.0 | S |
| 94.342 | 0.0000 | 0.0000 | 82.287 | 0.29616 | 0.00000 | 602892.1 | 405081.1 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Infiow Rate ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 94.350 | 0.0000 | 0.0000 | 82.287 | 0.29613 | 0.00000 | 602892.1 | 405090.0 | 0.0 | S |
| 94.358 | 0.0000 | 0.0000 | 82.287 | 0.29611 | 0.00000 | 602892.1 | 405098.9 | 0.0 | S |
| 94.367 | 0.0000 | 0.0000 | 82.287 | 0.29608 | 0.00000 | 602892.1 | 405107.8 | 0.0 | S |
| 94.375 | 0.0000 | 0.0000 | 82.287 | 0.29606 | 0.00000 | 602892.1 | 405116.7 | 0.0 | S |
| 94.383 | 0.0000 | 0.0000 | 82.287 | 0.29603 | 0.00000 | 602892.1 | 405125.5 | 0.0 | S |
| 94.392 | 0.0000 | 0.0000 | 82.287 | 0.29600 | 0.00000 | 602892.1 | 405134.4 | 0.0 | S |
| 94.400 | 0.0000 | 0.0000 | 82.286 | 0.29598 | 0.00000 | 602892.1 | 405143.3 | 0.0 | S |
| 94.408 | 0.0000 | 0.0000 | 82.286 | 0.29595 | 0.00000 | 602892.1 | 405152.2 | 0.0 | S |
| 94.417 | 0.0000 | 0.0000 | 82.286 | 0.29593 | 0.00000 | 602892.1 | 405161.1 | 0.0 | S |
| 94.425 | 0.0000 | 0.0000 | 82.286 | 0.29590 | 0.00000 | 602892.1 | 405169.9 | 0.0 | S |
| 94.433 | 0.0000 | 0.0000 | 82.286 | 0.29588 | 0.00000 | 602892.1 | 405178.8 | 0.0 | S |
| 94.442 | 0.0000 | 0.0000 | 82.286 | 0.29585 | 0.00000 | 602892.1 | 405187.7 | 0.0 | S |
| 94.450 | 0.0000 | 0.0000 | 82.285 | 0.29582 | 0.00000 | 602892.1 | 405196.6 | 0.0 | S |
| 94.458 | 0.0000 | 0.0000 | 82.285 | 0.29580 | 0.00000 | 602892.1 | 405205.4 | 0.0 | S |
| 94.467 | 0.0000 | 0.0000 | 82.285 | 0.29577 | 0.00000 | 602892.1 | 405214.3 | 0.0 | S |
| 94.475 | 0.0000 | 0.0000 | 82.285 | 0.29575 | 0.00000 | 602892.1 | 405223.2 | 0.0 | S |
| 94.483 | 0.0000 | 0.0000 | 82.285 | 0.29572 | 0.00000 | 602892.1 | 405232.1 | 0.0 | S |
| 94.492 | 0.0000 | 0.0000 | 82.285 | 0.29570 | 0.00000 | 602892.1 | 405240.9 | 0.0 | S |
| 94.500 | 0.0000 | 0.0000 | 82.285 | 0.29567 | 0.00000 | 602892.1 | 405249.8 | 0.0 | S |
| 94.508 | 0.0000 | 0.0000 | 82.284 | 0.29564 | 0.00000 | 602892.1 | 405258.7 | 0.0 | S |
| 94.517 | 0.0000 | 0.0000 | 82.284 | 0.29562 | 0.00000 | 602892.1 | 405267.5 | 0.0 | S |
| 94.525 | 0.0000 | 0.0000 | 82.284 | 0.29559 | 0.00000 | 602892.1 | 405276.4 | 0.0 | S |
| 94.533 | 0.0000 | 0.0000 | 82.284 | 0.29557 | 0.00000 | 602892.1 | 405285.3 | 0.0 | S |
| 94.542 | 0.0000 | 0.0000 | 82.284 | 0.29554 | 0.00000 | 602892.1 | 405294.1 | 0.0 | S |
| 94.550 | 0.0000 | 0.0000 | 82.284 | 0.29551 | 0.00000 | 602892.1 | 405303.0 | 0.0 | S |
| 94.558 | 0.0000 | 0.0000 | 82.284 | 0.29549 | 0.00000 | 602892.1 | 405311.9 | 0.0 | S |
| 94.567 | 0.0000 | 0.0000 | 82.283 | 0.29546 | 0.00000 | 602892.1 | 405320.8 | 0.0 | S |
| 94.575 | 0.0000 | 0.0000 | 82.283 | 0.29544 | 0.00000 | 602892.1 | 405329.6 | 0.0 | S |
| 94.583 | 0.0000 | 0.0000 | 82.283 | 0.29541 | 0.00000 | 602892.1 | 405338.5 | 0.0 | S |
| 94.592 | 0.0000 | 0.0000 | 82.283 | 0.29539 | 0.00000 | 602892.1 | 405347.3 | 0.0 | S |
| 94.600 | 0.0000 | 0.0000 | 82.283 | 0.29536 | 0.00000 | 602892.1 | 405356.2 | 0.0 | S |
| 94.608 | 0.0000 | 0.0000 | 82.283 | 0.29533 | 0.00000 | 602892.1 | 405365.0 | 0.0 | S |
| 94.617 | 0.0000 | 0.0000 | 82.282 | 0.29531 | 0.00000 | 602892.1 | 405373.9 | 0.0 | S |
| 94.625 | 0.0000 | 0.0000 | 82.282 | 0.29528 | 0.00000 | 602892.1 | 405382.8 | 0.0 | S |
| 94.633 | 0.0000 | 0.0000 | 82.282 | 0.29526 | 0.00000 | 602892.1 | 405391.6 | 0.0 | S |
| 94.642 | 0.0000 | 0.0000 | 82.282 | 0.29523 | 0.00000 | 602892.1 | 405400.5 | 0.0 | S |
| 94.650 | 0.0000 | 0.0000 | 82.282 | 0.29521 | 0.00000 | 602892.1 | 405409.3 | 0.0 | S |
| 94.658 | 0.0000 | 0.0000 | 82.282 | 0.29518 | 0.00000 | 602892.1 | 405418.2 | 0.0 | S |
| 94.667 | 0.0000 | 0.0000 | 82.282 | 0.29515 | 0.00000 | 602892.1 | 405427.0 | 0.0 | S |
| 94.675 | 0.0000 | 0.0000 | 82.281 | 0.29513 | 0.00000 | 602892.1 | 405435.9 | 0.0 | S |
| 94.683 | 0.0000 | 0.0000 | 82.281 | 0.29510 | 0.00000 | 602892.1 | 405444.8 | 0.0 | S |
| 94.692 | 0.0000 | 0.0000 | 82.281 | 0.29508 | 0.00000 | 602892.1 | 405453.6 | 0.0 | S |
| 94.700 | 0.0000 | 0.0000 | 82.281 | 0.29505 | 0.00000 | 602892.1 | 405462.5 | 0.0 | S |
| 94.708 | 0.0000 | 0.0000 | 82.281 | 0.29503 | 0.00000 | 602892.1 | 405471.3 | 0.0 | S |
| 94.717 | 0.0000 | 0.0000 | 82.281 | 0.29500 | 0.00000 | 602892.1 | 405480.2 | 0.0 | S |
| 94.725 | 0.0000 | 0.0000 | 82.281 | 0.29498 | 0.00000 | 602892.1 | 405489.0 | 0.0 | S |
| 94.733 | 0.0000 | 0.0000 | 82.280 | 0.29495 | 0.00000 | 602892.1 | 405497.8 | 0.0 | S |
| 94.742 | 0.0000 | 0.0000 | 82.280 | 0.29492 | 0.00000 | 602892.1 | 405506.7 | 0.0 | S |
| 94.750 | 0.0000 | 0.0000 | 82.280 | 0.29490 | 0.00000 | 602892.1 | 405515.6 | 0.0 | S |
| 94.758 | 0.0000 | 0.0000 | 82.280 | 0.29487 | 0.00000 | 602892.7 | 405524.4 | 0.0 | S |
| 94.767 | 0.0000 | 0.0000 | 82.280 | 0.29485 | 0.00000 | 602892.1 | 405533.3 | 0.0 | S |
| 94.775 | 0.0000 | 0.0000 | 82.280 | 0.29482 | 0.00000 | 602892.1 | 405542.1 | 0.0 | S |
| 94.783 | 0.0000 | 0.0000 | 82.279 | 0.29480 | 0.00000 | 602892.1 | 405550.9 | 0.0 | S |
| 94.792 | 0.0000 | 0.0000 | 82.279 | 0.29477 | 0.00000 | 602892.1 | 405559.8 | 0.0 | S |
| 94.800 | 0.0000 | 0.0000 | 82.279 | 0.29474 | 0.00000 | 602892.1 | 405568.6 | 0.0 | S |
| 94.808 | 0.0000 | 0.0000 | 82.279 | 0.29472 | 0.00000 | 602892.1 | 405577.5 | 0.0 | S |
| 94.817 | 0.0000 | 0.0000 | 82.279 | 0.29469 | 0.00000 | 602892.1 | 405586.3 | 0.0 | S |
| 94.825 | 0.0000 | 0.0000 | 82.279 | 0.29467 | 0.00000 | 602892.1 | 405595.2 | 0.0 | S |
| 94.833 | 0.0000 | 0.0000 | 82.279 | 0.29464 | 0.00000 | 602892.1 | 405604.0 | 0.0 | S |
| 94.842 | 0.0000 | 0.0000 | 82.278 | 0.29462 | 0.00000 | 602892.1 | 405612.8 | 0.0 | S |
| 94.850 | 0.0000 | 0.0000 | 82.278 | 0.29459 | 0.00000 | 602892.1 | 405621.7 | 0.0 | S |
| 94.858 | 0.0000 | 0.0000 | 82.278 | 0.29457 | 0.00000 | 602892.1 | 405630.5 | 0.0 | S |
| 94.867 | 0.0000 | 0.0000 | 82.278 | 0.29454 | 0.00000 | 602892.1 | 405639.3 | 0.0 | S |
| 94.875 | 0.0000 | 0.0000 | 82.278 | 0.29451 | 0.00000 | 602892.1 | 405648.2 | 0.0 | S |
| 94.883 | 0.0000 | 0.0000 | 82.278 | 0.29449 | 0.00000 | 602892.1 | 405657.0 | 0.0 | S |
| 94.892 | 0.0000 | 0.0000 | 82.278 | 0.29446 | 0.00000 | 602892.1 | 405665.8 | 0.0 | S |
| 94.900 | 0.0000 | 0.0000 | 82.277 | 0.29444 | 0.00000 | 602892.1 | 405674.7 | 0.0 | S |
| 94.908 | 0.0000 | 0.0000 | 82.277 | 0.29441 | 0.00000 | 602892.1 | 405683.5 | 0.0 | S |
| 94.917 | 0.0000 | 0.0000 | 82.277 | 0.29439 | 0.00000 | 602892.1 | 405692.3 | 0.0 | S |
| 94.925 | 0.0000 | 0.0000 | 82.277 | 0.29436 | 0.00000 | 602892.1 | 405701.2 | 0.0 | S |
| 94.933 | 0.0000 | 0.0000 | 82.277 | 0.29433 | 0.00000 | 602892.1 | 405710.0 | 0.0 | S |
| 94.942 | 0.0000 | 0.0000 | 82.277 | 0.29431 | 0.00000 | 602892.1 | 405718.8 | 0.0 | S |
| 94.950 | 0.0000 | 0.0000 | 82.276 | 0.29428 | 0.00000 | 602892.1 | 405727.7 | 0.0 | S |
| 94.958 | 0.0000 | 0.0000 | 82.276 | 0.29426 | 0.00000 | 602892.1 | 405736.5 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 /} \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overfow Discharge ( $\mathrm{ft}^{3 / 1} \mathrm{~s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{t}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 94.967 | 0.0000 | 0.0000 | 82.276 | 0.29423 | 0.00000 | 602892.1 | 405745.3 | 0.0 | S |
| 94.975 | 0.0000 | 0.0000 | 82.276 | 0.29421 | 0.00000 | 602892.1 | 405754.2 | 0.0 | S |
| 94.983 | 0.0000 | 0.0000 | 82.276 | 0.29418 | 0.00000 | 602892.1 | 405763.0 | 0.0 | S |
| 94.992 | 0.0000 | 0.0000 | 82.276 | 0.29416 | 0.00000 | 602892.1 | 405771.8 | 0.0 | S |
| 95.000 | 0.0000 | 0.0000 | 82.276 | 0.29413 | 0.00000 | 602892.1 | 405780.6 | 0.0 | S |
| 95.008 | 0.0000 | 0.0000 | 82.275 | 0.29411 | 0.00000 | 602892.1 | 405789.4 | 0.0 | S |
| 95.017 | 0.0000 | 0.0000 | 82.275 | 0.29408 | 0.00000 | 602892.1 | 405798.3 | 0.0 | S |
| 95.025 | 0.0000 | 0.0000 | 82.275 | 0.29405 | 0.00000 | 602892.1 | 405807.1 | 0.0 | S |
| 95.033 | 0.0000 | 0.0000 | 82.275 | 0.29403 | 0.00000 | 602892.1 | 405815.9 | 0.0 | S |
| 95.042 | 0.0000 | 0.0000 | 82.275 | 0.29400 | 0.00000 | 602892.1 | 405824.7 | 0.0 | S |
| 95.050 | 0.0000 | 0.0000 | 82.275 | 0.29398 | 0.00000 | 602892.1 | 405833.6 | 0.0 | S |
| 95.058 | 0.0000 | 0.0000 | 82.275 | 0.29395 | 0.00000 | 602892.1 | 405842.4 | 0.0 | S |
| 95.067 | 0.0000 | 0.0000 | 82.274 | 0.29393 | 0.00000 | 602892.1 | 405851.2 | 0.0 | S |
| 95.075 | 0.0000 | 0.0000 | 82.274 | 0.29390 | 0.00000 | 602892.1 | 405860.0 | 0.0 | S |
| 95.083 | 0.0000 | 0.0000 | 82.274 | 0.29388 | 0.00000 | 602892.1 | 405868.8 | 0.0 | S |
| 95.092 | 0.0000 | 0.0000 | 82.274 | 0.29385 | 0.00000 | 602892.1 | 405877.6 | 0.0 | S |
| 95.100 | 0.0000 | 0.0000 | 82.274 | 0.29382 | 0.00000 | 602892.1 | 405886.4 | 0.0 | S |
| 95.108 | 0.0000 | 0.0000 | 82.274 | 0.29380 | 0.00000 | 602892.1 | 405895.3 | 0.0 | S |
| 95.117 | 0.0000 | 0.0000 | 82.273 | 0.29377 | 0.00000 | 602892.1 | 405904.1 | 0.0 | S |
| 95.125 | 0.0000 | 0.0000 | 82.273 | 0.29375 | 0.00000 | 602892.1 | 405912.9 | 0.0 | S |
| 95.133 | 0.0000 | 0.0000 | 82.273 | 0.29372 | 0.00000 | 602892.1 | 405921.7 | 0.0 | S |
| 95.142 | 0.0000 | 0.0000 | 82.273 | 0.29370 | 0.00000 | 602892.1 | 405930.5 | 0.0 | S |
| 95.150 | 0.0000 | 0.0000 | 82.273 | 0.29367 | 0.00000 | 602892.1 | 405939.3 | 0.0 | S |
| 95.158 | 0.0000 | 0.0000 | 82.273 | 0.29365 | 0.00000 | 602892.1 | 405948.1 | 0.0 | S |
| 95.167 | 0.0000 | 0.0000 | 82.273 | 0.29362 | 0.00000 | 602892.1 | 405956.9 | 0.0 | S |
| 95.175 | 0.0000 | 0.0000 | 82.272 | 0.29360 | 0.00000 | 602892.1 | 405965.8 | 0.0 | S |
| 95.183 | 0.0000 | 0.0000 | 82.272 | 0.29357 | 0.00000 | 602892.1 | 405974.6 | 0.0 | S |
| 95.192 | 0.0000 | 0.0000 | 82.272 | 0.29355 | 0.00000 | 602892.1 | 405983.4 | 0.0 | S |
| 95.200 | 0.0000 | 0.0000 | 82.272 | 0.29352 | 0.00000 | 602892.1 | 405992.2 | 0.0 | S |
| 95.208 | 0.0000 | 0.0000 | 82.272 | 0.29349 | 0.00000 | 602892.1 | 406001.0 | 0.0 | S |
| 95.217 | 0.0000 | 0.0000 | 82.272 | 0.29347 | 0.00000 | 602892.1 | 406009.8 | 0.0 | S |
| 95.225 | 0.0000 | 0.0000 | 82.272 | 0.29344 | 0.00000 | 602892.1 | 406018.6 | 0.0 | S |
| 95.233 | 0.0000 | 0.0000 | 82.271 | 0.29342 | 0.00000 | 602892.1 | 406027.4 | 0.0 | S |
| 95.242 | 0.0000 | 0.0000 | 82.271 | 0.29339 | 0.00000 | 602892.1 | 406036.2 | 0.0 | S |
| 95.250 | 0.0000 | 0.0000 | 82.271 | 0.29337 | 0.00000 | 602892.1 | 406045.0 | 0.0 | S |
| 95.258 | 0.0000 | 0.0000 | 82.271 | 0.29334 | 0.00000 | 602892.1 | 406053.8 | 0.0 | S |
| 95.267 | 0.0000 | 0.0000 | 82.271 | 0.29332 | 0.00000 | 602892.1 | 406062.6 | 0.0 | S |
| 95.275 | 0.0000 | 0.0000 | 82.271 | 0.29329 | 0.00000 | 602892.1 | 406071.4 | 0.0 | S |
| 95.283 | 0.0000 | 0.0000 | 82.271 | 0.29327 | 0.00000 | 602892.1 | 406080.2 | 0.0 | S |
| 95.292 | 0.0000 | 0.0000 | 82.270 | 0.29324 | 0.00000 | 602892.1 | 406089.0 | 0.0 | S |
| 95.300 | 0.0000 | 0.0000 | 82.270 | 0.29322 | 0.00000 | 602892.1 | 406097.8 | 0.0 | S |
| 95.308 | 0.0000 | 0.0000 | 82.270 | 0.29319 | 0.00000 | 602892.1 | 406106.6 | 0.0 | S |
| 95.317 | 0.0000 | 0.0000 | 82.270 | 0.29316 | 0.00000 | 602892.1 | 406115.4 | 0.0 | S |
| 95.325 | 0.0000 | 0.0000 | 82.270 | 0.29314 | 0.00000 | 602892.1 | 406124.2 | 0.0 | S |
| 95.333 | 0.0000 | 0.0000 | 82.270 | 0.29311 | 0.00000 | 602892.1 | 406133.0 | 0.0 | S |
| 95.342 | 0.0000 | 0.0000 | 82.269 | 0.29309 | 0.00000 | 602892.1 | 406141.8 | 0.0 | S |
| 95.350 | 0.0000 | 0.0000 | 82.269 | 0.29306 | 0,00000 | 602892.1 | 406150.6 | 0.0 | S |
| 95.358 | 0.0000 | 0.0000 | 82.269 | 0.29304 | 0.00000 | 602892.1 | 406159.3 | 0.0 | S |
| 95.367 | 0.0000 | 0.0000 | 82.269 | 0.29301 | 0.00000 | 602892.1 | 406168.1 | 0.0 | S |
| 95.375 | 0.0000 | 0.0000 | 82.269 | 0.29299 | 0.00000 | 602892.1 | 406176.9 | 0.0 | S |
| 95.383 | 0.0000 | 0.0000 | 82.269 | 0.29296 | 0.00000 | 602892.1 | 406185.7 | 0.0 | S |
| 95.392 | 0.0000 | 0.0000 | 82.269 | 0.29294 | 0.00000 | 602892.1 | 406194.5 | 0.0 | S |
| 95.400 | 0.0000 | 0.0000 | 82.268 | 0.29291 | 0.00000 | 602892.1 | 406203.3 | 0.0 | S |
| 95.408 | 0.0000 | 0.0000 | 82.268 | 0.29289 | 0.00000 | 602892.1 | 406212.1 | 0.0 | S |
| 95.417 | 0.0000 | 0.0000 | 82.268 | 0.29286 | 0.00000 | 602892.1 | 406220.9 | 0.0 | S |
| 95.425 | 0.0000 | 0.0000 | 82.268 | 0.29284 | 0.00000 | 602892.1 | 406229.7 | 0.0 | S |
| 95.433 | 0.0000 | 0.0000 | 82.268 | 0.29281 | 0.00000 | 602892.1 | 406238.4 | 0.0 | S |
| 95.442 | 0.0000 | 0.0000 | 82.268 | 0.29278 | 0.00000 | 602892.1 | 406247.2 | 0.0 | S |
| 95.450 | 0.0000 | 0.0000 | 82.268 | 0.29276 | 0.00000 | 602892.1 | 406256.0 | 0.0 | S |
| 95.458 | 0.0000 | 0.0000 | 82.267 | 0.29273 | 0.00000 | 602892.1 | 406264.8 | 0.0 | S |
| 95.467 | 0.0000 | 0.0000 | 82.267 | 0.29271 | 0.00000 | 602892.1 | 406273.6 | 0.0 | S |
| 95.475 | 0.0000 | 0.0000 | 82.267 | 0.29268 | 0.00000 | 602892.1 | 406282.3 | 0.0 | S |
| 95.483 | 0.0000 | 0.0000 | 82.267 | 0.29266 | 0.00000 | 602892.1 | 406291.1 | 0.0 | S |
| 95.492 | 0.0000 | 0.0000 | 82.267 | 0.29263 | 0.00000 | 602892.1 | 406299.9 | 0.0 | S |
| 95.500 | 0.0000 | 0.0000 | 82.267 | 0.29261 | 0.00000 | 602892.1 | 406308.7 | 0.0 | S |
| 95.508 | 0.0000 | 0.0000 | 82.266 | 0.29258 | 0.00000 | 602892.1 | 406317.5 | 0.0 | S |
| 95.517 | 0.0000 | 0.0000 | 82.266 | 0.29256 | 0.00000 | 602892.1 | 406326.3 | 0.0 | S |
| 95.525 | 0.0000 | 0.0000 | 82.266 | 0.29253 | 0.00000 | 602892.1 | 406335.0 | 0.0 | S |
| 95.533 | 0.0000 | 0.0000 | 82.266 | 0.29251 | 0.00000 | 602892.1 | 406343.8 | 0.0 | S |
| 95.542 | 0.0000 | 0.0000 | 82.266 | 0.29248 | 0.00000 | 602892.1 | 406352.6 | 0.0 | S |
| 95.550 | 0.0000 | 0.0000 | 82.266 | 0.29246 | 0.00000 | 602892.1 | 406361.3 | 0.0 | S |
| 95.558 | 0.0000 | 0.0000 | 82.266 | 0.29243 | 0.00000 | 602892.1 | 406370.1 | 0.0 | S |
| 95.567 | 0.0000 | 0.0000 | 82.265 | 0.29241 | 0.00000 | 602892.1 | 406378.9 | 0.0 | S |
| 95.575 | 0.0000 | 0.0000 | 82.265 | 0.29238 | 0.00000 | 602892.1 | 406387.7 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | fnflow <br> Rate <br> ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infitration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overlow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume (ft ${ }^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 95.583 | 0.0000 | 0.0000 | 82.265 | 0.29236 | 0.00000 | 602892.1 | 406396.4 | 0.0 | S |
| 95.592 | 0.0000 | 0.0000 | 82.265 | 0.29233 | 0.00000 | 602892.1 | 406405.2 | 0.0 | S |
| 95.600 | 0.0000 | 0.0000 | 82.265 | 0.29231 | 0.00000 | 602892.1 | 406414.0 | 0.0 | S |
| 95.608 | 0.0000 | 0.0000 | 82.265 | 0.29228 | 0.00000 | 602892.1 | 406422.7 | 0.0 | S |
| 95.617 | 0.0000 | 0.0000 | 82.265 | 0.29225 | 0.00000 | 602892.1 | 406431.5 | 0.0 | S |
| 95.625 | 0.0000 | 0.0000 | 82.264 | 0.29223 | 0.00000 | 602892.1 | 406440.3 | 0.0 | S |
| 95.633 | 0.0000 | 0.0000 | 82.264 | 0.29220 | 0.00000 | 602892.1 | 406449.0 | 0.0 | S |
| 95.642 | 0.0000 | 0.0000 | 82.264 | 0.29218 | 0.00000 | 602892.1 | 406457.8 | 0.0 | S |
| 95.650 | 0.0000 | 0.0000 | 82.264 | 0.29215 | 0.00000 | 602892.1 | 406466.6 | 0.0 | S |
| 95.658 | 0.0000 | 0.0000 | 82.264 | 0.29213 | 0.00000 | 602892.1 | 406475.3 | 0.0 | S |
| 95.667 | 0.0000 | 0.0000 | 82.264 | 0.29210 | 0.00000 | 602882.1 | 406484.1 | 0.0 | S |
| 95.675 | 0.0000 | 0.0000 | 82.264 | 0.29208 | 0.00000 | 602892.1 | 406492.8 | 0.0 | S |
| 95.683 | 0,0000 | 0.0000 | 82.263 | 0.29205 | 0.00000 | 602892.1 | 406501.6 | 0.0 | S |
| 95.692 | 0.0000 | 0.0000 | 82.263 | 0.29203 | 0.00000 | 602892.1 | 406510.4 | 0.0 | S |
| 95.700 | 0.0000 | 0.0000 | 82.263 | 0.29200 | 0.00000 | 602892.1 | 406519.1 | 0.0 | S |
| 95.708 | 0.0000 | 0.0000 | 82.263 | 0.29198 | 0.00000 | 602892.1 | 406527.9 | 0.0 | S |
| 95.717 | 0.0000 | 0.0000 | 82.263 | 0.29195 | 0.00000 | 602892.1 | 406536.7 | 0.0 | S |
| 95.725 | 0.0000 | 0.0000 | 82.263 | 0.29193 | 0.00000 | 602892.1 | 406545.4 | 0.0 | S |
| 95.733 | 0.0000 | 0.0000 | 82.262 | 0.29190 | 0.00000 | 602892.1 | 406554.2 | 0.0 | S |
| 95.742 | 0.0000 | 0.0000 | 82.262 | 0.29188 | 0.00000 | 602892.1 | 406562.9 | 0.0 | S |
| 95.750 | 0.0000 | 0.0000 | 82.262 | 0.29185 | 0.00000 | 602892.1 | 406571.7 | 0.0 | S |
| 95.758 | 0.0000 | 0.0000 | 82.262 | 0.29183 | 0.00000 | 602892.1 | 406580.4 | 0.0 | S |
| 95.767 | 0.0000 | 0.0000 | 82.262 | 0.29180 | 0.00000 | 602892.1 | 406589.2 | 0.0 | S |
| 95.775 | 0.0000 | 0.0000 | 82.262 | 0.29178 | 0.00000 | 602892.1 | 406597.9 | 0.0 | S |
| 95.783 | 0.0000 | 0.0000 | 82.262 | 0.29175 | 0.00000 | 602892.1 | 406606.7 | 0.0 | S |
| 95.792 | 0.0000 | 0.0000 | 82.261 | 0.29173 | 0.00000 | 602892.1 | 406615.5 | 0.0 | S |
| 95.800 | 0.0000 | 0.0000 | 82.261 | 0.29170 | 0.00000 | 602892.1 | 406624.2 | 0.0 | S |
| 95.808 | 0.0000 | 0.0000 | 82.261 | 0.29168 | 0.00000 | 602892.1 | 406633.0 | 0.0 | S |
| 95.817 | 0.0000 | 0.0000 | 82.261 | 0.29165 | 0.00000 | 602892.1 | 406641.7 | 0.0 | S |
| 95.825 | 0.0000 | 0.0000 | 82.261 | 0.29163 | 0.00000 | 602892.1 | 406650.5 | 0.0 | S |
| 95.833 | 0.0000 | 0.0000 | 82.261 | 0.29160 | 0.00000 | 602892.1 | 406659.2 | 0.0 | S |
| 95.842 | 0.0000 | 0.0000 | 82.261 | 0.29158 | 0.00000 | 602892.1 | 406667.9 | 0.0 | S |
| 95.850 | 0.0000 | 0.0000 | 82.260 | 0.29155 | 0.00000 | 602892.1 | 406676.7 | 0.0 | S |
| 95.858 | 0.0000 | 0.0000 | 82.260 | 0.29153 | 0.00000 | 602892.1 | 406685.4 | 0.0 | S |
| 95.867 | 0.0000 | 0.0000 | 82.260 | 0.29150 | 0.00000 | 602892.1 | 406694.2 | 0.0 | S |
| 95.875 | 0.0000 | 0.0000 | 82.260 | 0.29148 | 0.00000 | 602892.1 | 406702.9 | 0.0 | S |
| 95.883 | 0.0000 | 0.0000 | 82.260 | 0.29145 | 0.00000 | 602892.1 | 406711.7 | 0.0 | S |
| 95.892 | 0.0000 | 0.0000 | 82.260 | 0.29143 | 0.00000 | 602892.1 | 406720.4 | 0.0 | S |
| 95.900 | 0.0000 | 0.0000 | 82.260 | 0.29140 | 0.00000 | 602892.1 | 406729.2 | 0.0 | S |
| 95.908 | 0.0000 | 0.0000 | 82.259 | 0.29138 | 0.00000 | 602892.1 | 406737.9 | 0.0 | S |
| 95.917 | 0.0000 | 0.0000 | 82.259 | 0.29135 | 0.00000 | 602892.1 | 406746.7 | 0.0 | S |
| 95.925 | 0.0000 | 0.0000 | 82.259 | 0.29133 | 0.00000 | 602892.1 | 406755.4 | 0.0 | S |
| 95.933 | 0.0000 | 0.0000 | 82.259 | 0.29130 | 0.00000 | 602892.1 | 406764.1 | 0.0 | S |
| 95.942 | 0.0000 | 0.0000 | 82.259 | 0.29128 | 0.00000 | 602892.1 | 406772.9 | 0.0 | S |
| 95.950 | 0.0000 | 0.0000 | 82.259 | 0.29125 | 0.00000 | 602892.1 | 406781.6 | 0.0 | S |
| 95.958 | 0.0000 | 0.0000 | 82.258 | 0.29123 | 0.00000 | 602892.1 | 406790.3 | 0.0 | S |
| 95.967 | 0.0000 | 0.0000 | 82.258 | 0.29120 | 0.00000 | 602892.1 | 406799.1 | 0.0 | S |
| 95.975 | 0.0000 | 0.0000 | 82.258 | 0.29118 | 0.00000 | 602892.1 | 406807.8 | 0.0 | S |
| 95.983 | 0.0000 | 0.0000 | 82.258 | 0.29115 | 0.00000 | 602892.1 | 406816.6 | 0.0 | S |
| 95.992 | 0.0000 | 0.0000 | 82.258 | 0.29113 | 0.00000 | 602892.1 | 406825.3 | 0.0 | S |
| 96.000 | 0.0000 | 0.0000 | 82.258 | 0.29110 | 0.00000 | 602892.1 | 406834.0 | 0.0 | S |
| 96.008 | 0.0000 | 0.0000 | 82.258 | 0.29108 | 0.00000 | 602892.1 | 406842.8 | 0.0 | S |
| 96.017 | 0.0000 | 0.0000 | 82.257 | 0.29105 | 0.00000 | 602892.1 | 406851.5 | 0.0 | S |
| 96.025 | 0.0000 | 0.0000 | 82.257 | 0.29103 | 0.00000 | 602892.1 | 406860.2 | 0.0 | S |
| 96.033 | 0.0000 | 0.0000 | 82.257 | 0.29100 | 0.00000 | 602892.1 | 406868.9 | 0.0 | S |
| 96.042 | 0.0000 | 0.0000 | 82.257 | 0.29098 | 0.00000 | 602892.1 | 406877.7 | 0.0 | S |
| 96.050 | 0.0000 | 0.0000 | 82.257 | 0.29095 | 0.00000 | 602892.1 | 406886.4 | 0.0 | S |
| 96.058 | 0.0000 | 0.0000 | 82.257 | 0.29093 | 0.00000 | 602892.1 | 406895.1 | 0.0 | S |
| 96.067 | 0.0000 | 0.0000 | 82.257 | 0.29090 | 0.00000 | 602892.1 | 406903.8 | 0.0 | S |
| 96.075 | 0.0000 | 0.0000 | 82.256 | 0.29088 | 0.00000 | 602892.1 | 406912.6 | 0.0 | S |
| 96.083 | 0.0000 | 0.0000 | 82.256 | 0.29085 | 0.00000 | 602892.1 | 406921.3 | 0.0 | S |
| 96.092 | 0.0000 | 0.0000 | 82.256 | 0.29083 | 0.00000 | 602892.1 | 406930.0 | 0.0 | S |
| 96.100 | 0.0000 | 0.0000 | 82.256 | 0.29080 | 0.00000 | 602892.1 | 406938.8 | 0.0 | S |
| 96.108 | 0.0000 | 0.0000 | 82.256 | 0.29078 | 0.00000 | 602892.1 | 406947.5 | 0.0 | S |
| 96.117 | 0.0000 | 0.0000 | 82.256 | 0.29075 | 0.00000 | 602892.1 | 406956.2 | 0.0 | S |
| 96.125 | 0.0000 | 0.0000 | 82.256 | 0.29073 | 0.00000 | 602892.1 | 406964.9 | 0.0 | S |
| 96.133 | 0.0000 | 0.0000 | 82.255 | 0.29070 | 0.00000 | 602892.1 | 406973.7 | 0.0 | S |
| 96.142 | 0.0000 | 0.0000 | 82.255 | 0.29068 | 0.00000 | 602892.1 | 406982.4 | 0.0 | S |
| 96.150 | 0.0000 | 0.0000 | 82.255 | 0.29065 | 0.00000 | 602892.1 | 406991.1 | 0.0 | S |
| 96.158 | 0.0000 | 0.0000 | 82.255 | 0.29063 | 0.00000 | 602892.1 | 406999.8 | 0.0 | S |
| 96.167 | 0.0000 | 0.0000 | 82.255 | 0.29060 | 0.00000 | 602892.1 | 407008.5 | 0.0 | S |
| 96.175 | 0.0000 | 0.0000 | 82.255 | 0.29058 | 0.00000 | 602892.1 | 407017.3 | 0.0 | S |
| 96.183 | 0.0000 | 0.0000 | 82.254 | 0.29055 | 0.00000 | 602892.1 | 407026.0 | 0.0 | S |
| 96.192 | 0.0000 | 0.0000 | 82.254 | 0.29053 | 0.00000 | 602892.1 | 407034.7 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 96.200 | 0.0000 | 0.0000 | 82.254 | 0.29050 | 0.00000 | 602892.1 | 407043.4 | 0.0 | S |
| 96.208 | 0.0000 | 0.0000 | 82.254 | 0.29048 | 0.00000 | 602892.1 | 407052.1 | 0.0 | S |
| 96.217 | 0.0000 | 0.0000 | 82.254 | 0.29045 | 0.00000 | 602892.1 | 407060.8 | 0.0 | S |
| 96.225 | 0.0000 | 0.0000 | 82.254 | 0.29043 | 0.00000 | 602892.1 | 407069.5 | 0.0 | S |
| 96.233 | 0.0000 | 0.0000 | 82.254 | 0.29040 | 0.00000 | 602892.1 | 407078.3 | 0.0 | S |
| 96.242 | 0.0000 | 0.0000 | 82.253 | 0.29038 | 0.00000 | 602892.1 | 407087.0 | 0.0 | S |
| 96.250 | 0.0000 | 0.0000 | 82.253 | 0.29035 | 0.00000 | 602892.1 | 407095.7 | 0.0 | S |
| 96.258 | 0.0000 | 0.0000 | 82.253 | 0.29033 | 0.00000 | 602892.1 | 407104.4 | 0.0 | S |
| 96.267 | 0.0000 | 0.0000 | 82.253 | 0.29030 | 0.00000 | 602892.1 | 407113.1 | 0.0 | S |
| 96.275 | 0.0000 | 0.0000 | 82.253 | 0.29028 | 0.00000 | 602892.1 | 407121.8 | 0.0 | S |
| 96.283 | 0.0000 | 0.0000 | 82.253 | 0.29025 | 0.00000 | 602892.1 | 407130.5 | 0.0 | S |
| 96.292 | 0.0000 | 0.0000 | 82.253 | 0.29023 | 0.00000 | 602892.1 | 407139.2 | 0.0 | S |
| 96.300 | 0.0000 | 0.0000 | 82.252 | 0.29020 | 0.00000 | 602892.1 | 407147.9 | 0.0 | S |
| 96.308 | 0.0000 | 0.0000 | 82.252 | 0.29018 | 0.00000 | 602892.1 | 407156.6 | 0.0 | S |
| 96.317 | 0.0000 | 0.0000 | 82.252 | 0.29015 | 0.00000 | 602892.1 | 407165.3 | 0.0 | S |
| 96.325 | 0.0000 | 0.0000 | 82.252 | 0.29013 | 0.00000 | 602892.1 | 407174.0 | 0.0 | S |
| 96.333 | 0.0000 | 0.0000 | 82.252 | 0.29010 | 0.00000 | 602892.1 | 407182.8 | 0.0 | S |
| 96.342 | 0.0000 | 0.0000 | 82.252 | 0.29008 | 0.00000 | 602892.1 | 407191.4 | 0.0 | S |
| 96.350 | 0.0000 | 0.0000 | 82.252 | 0.29005 | 0.00000 | 602892.1 | 407200.2 | 0.0 | S |
| 96.358 | 0.0000 | 0.0000 | 82.251 | 0.29003 | 0.00000 | 602892.1 | 407208.8 | 0.0 | S |
| 96.367 | 0.0000 | 0.0000 | 82.251 | 0.29000 | 0.00000 | 602892.1 | 407217.5 | 0.0 | S |
| 96.375 | 0.0000 | 0.0000 | 82.251 | 0.28998 | 0.00000 | 602892.1 | 407226.3 | 0.0 | S |
| 96.383 | 0.0000 | 0.0000 | 82.251 | 0.28995 | 0.00000 | 602892.1 | 407234.9 | 0.0 | S |
| 96.392 | 0.0000 | 0.0000 | 82.251 | 0.28993 | 0.00000 | 602892.1 | 407243.6 | 0.0 | S |
| 96.400 | 0.0000 | 0.0000 | 82.251 | 0.28991 | 0.00000 | 602892.1 | 407252.3 | 0.0 | S |
| 96.408 | 0.0000 | 0.0000 | 82.250 | 0.28988 | 0.00000 | 602892.1 | 407261.0 | 0.0 | S |
| 96.417 | 0.0000 | 0.0000 | 82.250 | 0.28986 | 0.00000 | 602892.1 | 407269.7 | 0.0 | S |
| 96.425 | 0.0000 | 0.0000 | 82.250 | 0.28983 | 0.00000 | 602892.1 | 407278.4 | 0.0 | S |
| 96.433 | 0.0000 | 0.0000 | 82.250 | 0.28981 | 0.00000 | 602892.1 | 407287.1 | 0.0 | S |
| 96.442 | 0.0000 | 0.0000 | 82.250 | 0.28978 | 0.00000 | 602892.1 | 407295.8 | 0.0 | S |
| 96.450 | 0.0000 | 0.0000 | 82.250 | 0.28976 | 0.00000 | 602892.1 | 407304.5 | 0.0 | S |
| 96.458 | 0.0000 | 0.0000 | 82.250 | 0.28973 | 0.00000 | 602892.1 | 407313.2 | 0.0 | S |
| 96.467 | 0.0000 | 0.0000 | 82.249 | 0.28971 | 0.00000 | 602892.1 | 407321.9 | 0.0 | S |
| 96.475 | 0.0000 | 0.0000 | 82.249 | 0.28968 | 0.00000 | 602892.1 | 407330.6 | 0.0 | S |
| 96.483 | 0.0000 | 0.0000 | 82.249 | 0.28966 | 0.00000 | 602892.1 | 407339.3 | 0.0 | S |
| 96.492 | 0.0000 | 0.0000 | 82.249 | 0.28963 | 0.00000 | 602892.1 | 407348.0 | 0.0 | S |
| 96.500 | 0.0000 | 0.0000 | 82.249 | 0.28961 | 0.00000 | 602892.1 | 407356.7 | 0.0 | S |
| 96.508 | 0.0000 | 0.0000 | 82.249 | 0.28958 | 0.00000 | 602892.1 | 407365.3 | 0.0 | S |
| 96.517 | 0.0000 | 0.0000 | 82.249 | 0.28956 | 0.00000 | 602892.1 | 407374.0 | 0.0 | S |
| 96.525 | 0.0000 | 0.0000 | 82.248 | 0.28953 | 0.00000 | 602892.1 | 407382.7 | 0.0 | S |
| 96.533 | 0.0000 | 0.0000 | 82.248 | 0.28951 | 0.00000 | 602892.1 | 407391.4 | 0.0 | S |
| 96.542 | 0.0000 | 0.0000 | 82.248 | 0.28948 | 0.00000 | 602892.1 | 407400.1 | 0.0 | S |
| 96.550 | 0.0000 | 0.0000 | 82.248 | 0.28946 | 0.00000 | 602892.1 | 407408.8 | 0.0 | S |
| 96.558 | 0.0000 | 0.0000 | 82.248 | 0.28943 | 0.00000 | 602892.1 | 407417.4 | 0.0 | S |
| 96.567 | 0.0000 | 0.0000 | 82.248 | 0.28941 | 0.00000 | 602892.1 | 407426.1 | 0.0 | S |
| 96.575 | 0.0000 | 0.0000 | 82.248 | 0.28939 | 0.00000 | 602892.1 | 407434.8 | 0.0 | S |
| 96.583 | 0.0000 | 0.0000 | 82.247 | 0.28936 | 0.00000 | 602892.1 | 407443.5 | 0.0 | S |
| 96.592 | 0.0000 | 0.0000 | 82.247 | 0.28934 | 0.00000 | 602892.1 | 407452.2 | 0.0 | S |
| 96.600 | 0.0000 | 0.0000 | 82.247 | 0.28931 | 0.00000 | 602892.1 | 407460.8 | 0.0 | S |
| 96.608 | 0.0000 | 0.0000 | 82.247 | 0.28929 | 0.00000 | 602892.1 | 407469.5 | 0.0 | S |
| 96.617 | 0.0000 | 0.0000 | 82.247 | 0.28926 | 0.00000 | 602892.1 | 407478.2 | 0.0 | S |
| 96.625 | 0.0000 | 0.0000 | 82.247 | 0.28924 | 0.00000 | 602892.1 | 407486.9 | 0.0 | S |
| 96.633 | 0.0000 | 0.0000 | 82.247 | 0.28921 | 0.00000 | 602892.1 | 407495.6 | 0.0 | S |
| 96.642 | 0.0000 | 0.0000 | 82.246 | 0.28919 | 0.00000 | 602892.1 | 407504.3 | 0.0 | S |
| 96.650 | 0.0000 | 0.0000 | 82.246 | 0.28916 | 0.00000 | 602892.1 | 407512.9 | 0.0 | S |
| 96.658 | 0.0000 | 0.0000 | 82.246 | 0.28914 | 0.00000 | 602892.1 | 407521.6 | 0.0 | S |
| 96.667 | 0.0000 | 0.0000 | 82.246 | 0.28911 | 0.00000 | 602892.1 | 407530.3 | 0.0 | S |
| 96.675 | 0.0000 | 0.0000 | 82.246 | 0.28909 | 0.00000 | 602892.1 | 407538.9 | 0.0 | S |
| 96.683 | 0.0000 | 0.0000 | 82.246 | 0.28906 | 0.00000 | 602892.1 | 407547.6 | 0.0 | S |
| 96.692 | 0.0000 | 0.0000 | 82.245 | 0.28904 | 0.00000 | 602892.1 | 407556.3 | 0.0 | S |
| 96.700 | 0.0000 | 0.0000 | 82.245 | 0.28902 | 0.00000 | 602892.1 | 407565.0 | 0.0 | S |
| 96.708 | 0.0000 | 0.0000 | 82.245 | 0.28899 | 0.00000 | 602892.1 | 407573.6 | 0.0 | S |
| 96.717 | 0.0000 | 0.0000 | 82.245 | 0.28897 | 0.00000 | 602892.1 | 407582.3 | 0.0 | S |
| 96.725 | 0.0000 | 0.0000 | 82.245 | 0.28894 | 0.00000 | 602892.1 | 407591.0 | 0.0 | S |
| 96.733 | 0.0000 | 0.0000 | 82.245 | 0.28892 | 0.00000 | 602892.1 | 407599.6 | 0.0 | S |
| 96.742 | 0.0000 | 0.0000 | 82.245 | 0.28889 | 0.00000 | 602892.1 | 407608.3 | 0.0 | S |
| 96.750 | 0.0000 | 0.0000 | 82.244 | 0.28887 | 0.00000 | 602892.1 | 407617.0 | 0.0 | S |
| 96.758 | 0.0000 | 0.0000 | 82.244 | 0.28884 | 0.00000 | 602892.1 | 407625.6 | 0.0 | S |
| 96.767 | 0.0000 | 0.0000 | 82.244 | 0.28882 | 0.00000 | 602892.1 | 407634.3 | 0.0 | S |
| 96.775 | 0.0000 | 0.0000 | 82.244 | 0.28879 | 0.00000 | 602892.1 | 407643.0 | 0.0 | S |
| 96.783 | 0.0000 | 0.0000 | 82.244 | 0.28877 | 0.00000 | 602892.1 | 407651.6 | 0.0 | S |
| 96.792 | 0.0000 | 0.0000 | 82.244 | 0.28874 | 0.00000 | 602892.1 | 407660.3 | 0.0 | S |
| 96.800 | 0.0000 | 0.0000 | 82.244 | 0.28872 | 0.00000 | 602892.1 | 407668.9 | 0.0 | S |
| 96.808 | 0.0000 | 0.0000 | 82.243 | 0,28870 | 0.00000 | 602892.1 | 407677.6 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:. Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft} / \mathrm{s}$ ) | Outside Recharge (f/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft} 3 / \mathrm{s}$ ) | Ovenlow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infilitration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 96.817 | 0.0000 | 0.0000 | 82.243 | 0.28867 | 0.00000 | 602892.1 | 407686.3 | 0.0 | S |
| 96.825 | 0.0000 | 0.0000 | 82.243 | 0.28865 | 0.00000 | 602892.1 | 407694.9 | 0.0 | S |
| 96.833 | 0.0000 | 0.0000 | 82.243 | 0.28862 | 0.00000 | 602892.1 | 407703.6 | 0.0 | S |
| 96.842 | 0.0000 | 0.0000 | 82.243 | 0.28860 | 0.00000 | 602892.1 | 407712.3 | 0.0 | S |
| 96.850 | 0.0000 | 0.0000 | 82.243 | 0.28857 | 0.00000 | 602892.1 | 407720.9 | 0.0 | S |
| 96.858 | 0.0000 | 0.0000 | 82.243 | 0.28855 | 0.00000 | 602892.1 | 407729.6 | 0.0 | S |
| 96.867 | 0.0000 | 0.0000 | 82.242 | 0.28852 | 0.00000 | 602892.1 | 407738.2 | 0.0 | S |
| 96.875 | 0.0000 | 0.0000 | 82.242 | 0.28850 | 0.00000 | 602892.1 | 407746.9 | 0.0 | S |
| 96.883 | 0.0000 | 0.0000 | 82.242 | 0.28847 | 0.00000 | 602892.1 | 407755.5 | 0.0 | S |
| 96.892 | 0.0000 | 0.0000 | 82.242 | 0.28845 | 0.00000 | 602892.1 | 407764.2 | 0.0 | S |
| 96.900 | 0.0000 | 0.0000 | 82.242 | 0.28842 | 0.00000 | 602892.1 | 407772.8 | 0.0 | S |
| 96.908 | 0.0000 | 0.0000 | 82.242 | 0.28840 | 0.00000 | 602892.1 | 407781.5 | 0.0 | S |
| 96.917 | 0.0000 | 0.0000 | 82.242 | 0.28838 | 0.00000 | 602892.1 | 407790.1 | 0.0 | S |
| 96.925 | 0.0000 | 0.0000 | 82.241 | 0.28835 | 0.00000 | 602892.1 | 407798.8 | 0.0 | S |
| 96.933 | 0.0000 | 0.0000 | 82.241 | 0.28833 | 0.00000 | 602892.1 | 407807.4 | 0.0 | S |
| 96.942 | 0.0000 | 0.0000 | 82.241 | 0.28830 | 0.00000 | 602892.1 | 407816.1 | 0.0 | S |
| 96.950 | 0.0000 | 0.0000 | 82.241 | 0.28828 | 0.00000 | 602892.1 | 407824.8 | 0.0 | S |
| 96.958 | 0.0000 | 0.0000 | 82.241 | 0.28825 | 0.00000 | 602892.1 | 407833.4 | 0.0 | S |
| 96.967 | 0.0000 | 0.0000 | 82.241 | 0.28823 | 0.00000 | 602892.1 | 407842.0 | 0.0 | S |
| 96.975 | 0.0000 | 0.0000 | 82.240 | 0.28820 | 0.00000 | 602892.1 | 407850.7 | 0.0 | S |
| 96.983 | 0.0000 | 0.0000 | 82.240 | 0.28818 | 0.00000 | 602892.1 | 407859.3 | 0.0 | S |
| 96.992 | 0.0000 | 0.0000 | 82.240 | 0.28816 | 0.00000 | 602892.1 | 407868.0 | 0.0 | S |
| 97.000 | 0.0000 | 0.0000 | 82.240 | 0.28813 | 0.00000 | 602892.1 | 407876.6 | 0.0 | S |
| 97.008 | 0.0000 | 0.0000 | 82.240 | 0.28811 | 0.00000 | 602892.1 | 407885.3 | 0.0 | S |
| 97.017 | 0.0000 | 0.0000 | 82.240 | 0.28808 | 0.00000 | 602892.1 | 407893.9 | 0.0 | S |
| 97.025 | 0.0000 | 0.0000 | 82.240 | 0.28806 | 0.00000 | 602892.1 | 407902.5 | 0.0 | S |
| 97.033 | 0.0000 | 0.0000 | 82.239 | 0.28803 | 0.00000 | 602892.1 | 407911.2 | 0.0 | S |
| 97.042 | 0.0000 | 0.0000 | 82.239 | 0.28801 | 0.00000 | 602892.1 | 407919.8 | 0.0 | S |
| 97.050 | 0.0000 | 0.0000 | 82.239 | 0.28798 | 0.00000 | 602892.1 | 407928.5 | 0.0 | S |
| 97.058 | 0.0000 | 0.0000 | 82.239 | 0.28796 | 0.00000 | 602892.1 | 407937.1 | 0.0 | S |
| 97.067 | 0.0000 | 0.0000 | 82.239 | 0.28793 | 0.00000 | 602892.1 | 407945.8 | 0.0 | S |
| 97.075 | 0.0000 | 0.0000 | 82.239 | 0.28791 | 0.00000 | 602892.1 | 407954.4 | 0.0 | S |
| 97.083 | 0.0000 | 0.0000 | 82.239 | 0.28789 | 0.00000 | 602892.1 | 407963.0 | 0.0 | S |
| 97.092 | 0.0000 | 0.0000 | 82.238 | 0.28786 | 0.00000 | 602892.1 | 407971.7 | 0.0 | S |
| 97.100 | 0.0000 | 0.0000 | 82.238 | 0.28784 | 0.00000 | 602892.1 | 407980.3 | 0.0 | S |
| 97.108 | 0.0000 | 0.0000 | 82.238 | 0.28781 | 0.00000 | 602892.1 | 407988.9 | 0.0 | S |
| 97.117 | 0.0000 | 0.0000 | 82.238 | 0.28779 | 0.00000 | 602892.1 | 407997.6 | 0.0 | S |
| 97.125 | 0.0000 | 0.0000 | 82.238 | 0.28776 | 0.00000 | 602892.1 | 408006.2 | 0.0 | S |
| 97.133 | 0.0000 | 0.0000 | 82.238 | 0.28774 | 0.00000 | 602892.1 | 408014.8 | 0.0 | S |
| 97.142 | 0.0000 | 0.0000 | 82.238 | 0.28771 | 0.00000 | 602892.1 | 408023.4 | 0.0 | S |
| 97.150 | 0.0000 | 0.0000 | 82.237 | 0.28769 | 0.00000 | 602892.1 | 408032.1 | 0.0 | S |
| 97.158 | 0.0000 | 0.0000 | 82.237 | 0.28767 | 0.00000 | 602892.1 | 408040.7 | 0.0 | S |
| 97.167 | 0.0000 | 0.0000 | 82.237 | 0.28764 | 0.00000 | 602892.1 | 408049.3 | 0.0 | S |
| 97.175 | 0.0000 | 0.0000 | 82.237 | 0.28762 | 0.00000 | 602892.1 | 408058.0 | 0.0 | S |
| 97.183 | 0.0000 | 0.0000 | 82.237 | 0.28759 | 0.00000 | 602892.1 | 408066.6 | 0.0 | S |
| 97.192 | 0.0000 | 0.0000 | 82.237 | 0.28757 | 0.00000 | 602892.1 | 408075.2 | 0.0 | S |
| 97.200 | 0.0000 | 0.0000 | 82.237 | 0.28754 | 0.00000 | 602892.1 | 408083.8 | 0.0 | S |
| 97.208 | 0.0000 | 0.0000 | 82.236 | 0.28752 | 0.00000 | 602892.1 | 408092.5 | 0.0 | S |
| 97.217 | 0.0000 | 0.0000 | 82.236 | 0.28749 | 0.00000 | 602892.4 | 408101.1 | 0.0 | S |
| 97.225 | 0.0000 | 0.0000 | 82.236 | 0.28747 | 0.00000 | 602892.1 | 408109.7 | 0.0 | S |
| 97.233 | 0.0000 | 0.0000 | 82.236 | 0.28745 | 0.00000 | 602892.1 | 408118.3 | 0.0 | S |
| 97.242 | 0.0000 | 0.0000 | 82.236 | 0.28742 | 0.00000 | 602892.1 | 408127.0 | 0.0 | S |
| 97.250 | 0.0000 | 0.0000 | 82.236 | 0.28740 | 0.00000 | 602892.1 | 408135.6 | 0.0 | S |
| 97.258 | 0.0000 | 0.0000 | 82.236 | 0.28737 | 0.00000 | 602892.1 | 408144.2 | 0.0 | S |
| 97.267 | 0.0000 | 0.0000 | 82.235 | 0.28735 | 0.00000 | 602892.1 | 408152.8 | 0.0 | S |
| 97.275 | 0.0000 | 0.0000 | 82.235 | 0.28732 | 0.00000 | 602892.1 | 408161.5 | 0.0 | S |
| 97.283 | 0.0000 | 0.0000 | 82.235 | 0.28730 | 0.00000 | 602892.1 | 408170.1 | 0.0 | S |
| 97.292 | 0.0000 | 0.0000 | 82.235 | 0.28728 | 0.00000 | 602892.1 | 408178.7 | 0.0 | S |
| 97.300 | 0.0000 | 0.0000 | 82.235 | 0.28725 | 0.00000 | 602892.1 | 408187.3 | 0.0 | S |
| 97.308 | 0.0000 | 0.0000 | 82.235 | 0.28723 | 0.00000 | 602892.1 | 408195.9 | 0.0 | S |
| 97.317 | 0.0000 | 0.0000 | 82.234 | 0.28720 | 0.00000 | 602892.1 | 408204.6 | 0.0 | S |
| 97.325 | 0.0000 | 0.0000 | 82.234 | 0.28718 | 0.00000 | 602892.1 | 408213.2 | 0.0 | S |
| 97.333 | 0.0000 | 0.0000 | 82.234 | 0.28715 | 0.00000 | 602892.1 | 408221.8 | 0.0 | S |
| 97.342 | 0.0000 | 0.0000 | 82.234 | 0.28713 | 0.00000 | 602892.1 | 408230.4 | 0.0 | S |
| 97.350 | 0.0000 | 0.0000 | 82.234 | 0.28711 | 0.00000 | 602892.1 | 408239.0 | 0.0 | S |
| 97.358 | 0.0000 | 0.0000 | 82.234 | 0.28708 | 0.00000 | 602892.1 | 408247.6 | 0.0 | S |
| 97.367 | 0.0000 | 0.0000 | 82.234 | 0.28706 | 0.00000 | 602892.1 | 408256.2 | 0.0 | S |
| 97.375 | 0.0000 | 0.0000 | 82.233 | 0.28703 | 0.00000 | 602892.1 | 408264.8 | 0.0 | S |
| 97.383 | 0.0000 | 0.0000 | 82.233 | 0.28701 | 0.00000 | 602892.1 | 408273.5 | 0.0 | S |
| 97.392 | 0.0000 | 0.0000 | 82.233 | 0.28698 | 0.00000 | 602892.1 | 408282.1 | 0.0 | S |
| 97.400 | 0.0000 | 0.0000 | 82.233 | 0.28696 | 0.00000 | 602892.1 | 408290.7 | 0.0 | S |
| 97.408 | 0.0000 | 0.0000 | 82.233 | 0.28693 | 0.00000 | 602892.1 | 408299.3 | 0.0 | S |
| 97.417 | 0.0000 | 0.0000 | 82.233 | 0.28691 | 0.00000 | 602892.1 | 408307.9 | 0.0 | S |
| 97.425 | 0.0000 | 0.0000 | 82.233 | 0.28689 | 0.00000 | 602892.1 | 408316.5 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year $/ 24$ hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate (f $\mathrm{f}^{3} / \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $f^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ff}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 97.433 | 0.0000 | 0.0000 | 82.232 | 0.28686 | 0.00000 | 602892.1 | 408325.1 | 0.0 | S |
| 97.442 | 0.0000 | 0.0000 | 82.232 | 0.28684 | 0.00000 | 602892.1 | 408333.7 | 0.0 | S |
| 97.450 | 0.0000 | 0.0000 | 82.232 | 0.28681 | 0.00000 | 602892.1 | 408342.3 | 0.0 | S |
| 97.458 | 0.0000 | 0.0000 | 82.232 | 0.28679 | 0.00000 | 602892.1 | 408350.9 | 0.0 | S |
| 97.467 | 0.0000 | 0.0000 | 82.232 | 0.28676 | 0.00000 | 602892.1 | 408359.5 | 0.0 | S |
| 97.475 | 0.0000 | 0.0000 | 82.232 | 0.28674 | 0.00000 | 602892.1 | 408368.1 | 0.0 | S |
| 97.483 | 0.0000 | 0.0000 | 82.232 | 0.28672 | 0.00000 | 602892.1 | 408376.7 | 0.0 | 5 |
| 97.492 | 0.0000 | 0.0000 | 82.231 | 0.28669 | 0.00000 | 602892.1 | 408385.3 | 0.0 | 5 |
| 97.500 | 0.0000 | 0.0000 | 82.231 | 0.28667 | 0.00000 | 602892.1 | 408393.9 | 0.0 | S |
| 97.508 | 0.0000 | 0.0000 | 82.231 | 0.28664 | 0.00000 | 602892.1 | 408402.5 | 0.0 | S |
| 97.517 | 0.0000 | 0.0000 | 82.231 | 0.28662 | 0.00000 | 602892.1 | 408411.1 | 0.0 | 5 |
| 97.525 | 0.0000 | 0.0000 | 82.231 | 0.28660 | 0.00000 | 602892.1 | 408419.7 | 0.0 | S |
| 97.533 | 0.0000 | 0.0000 | 82.231 | 0.28657 | 0.00000 | 602892.1 | 408428.3 | 0.0 | S |
| 97.542 | 0.0000 | 0.0000 | 82.231 | 0.28655 | 0.00000 | 602892.1 | 408436.9 | 0.0 | S |
| 97.550 | 0.0000 | 0.0000 | 82.230 | 0.28652 | 0.00000 | 602892.1 | 408445.5 | 0.0 | 5 |
| 97.558 | 0.0000 | 0.0000 | 82.230 | 0.28650 | 0.00000 | 602892.1 | 408454.1 | 0.0 | S |
| 97.567 | 0.0000 | 0.0000 | 82.230 | 0.28647 | 0.00000 | 602892.1 | 408462.7 | 0.0 | S |
| 97.575 | 0.0000 | 0.0000 | 82.230 | 0.28645 | 0.00000 | 602892.1 | 408471.3 | 0.0 | S |
| 97.583 | 0.0000 | 0.0000 | 82.230 | 0.28643 | 0.00000 | 602892.1 | 408479.9 | 0.0 | S |
| 97.592 | 0.0000 | 0.0000 | 82.230 | 0.28640 | 0.00000 | 602892.1 | 408488.5 | 0.0 | S |
| 97.600 | 0.0000 | 0.0000 | 82.230 | 0.28638 | 0.00000 | 602892.1 | 408497.1 | 0.0 | S |
| 97.608 | 0.0000 | 0.0000 | 82.229 | 0.28635 | 0.00000 | 602892.1 | 408505.7 | 0.0 | S |
| 97.617 | 0.0000 | 0.0000 | 82.229 | 0.28633 | 0.00000 | 602892.1 | 408514.3 | 0.0 | 5 |
| 97.625 | 0.0000 | 0.0000 | 82.229 | 0.28630 | 0.00000 | 602892.1 | 408522.8 | 0.0 | S |
| 97.633 | 0.0000 | 0.0000 | 82.229 | 0.28628 | 0.00000 | 602892.1 | 408531.4 | 0.0 | 5 |
| 97.642 | 0.0000 | 0.0000 | 82.229 | 0.28626 | 0.00000 | 602892.1 | 408540.0 | 0.0 | 5 |
| 97.650 | 0.0000 | 0.0000 | 82.229 | 0.28623 | 0.00000 | 602892.1 | 408548.6 | 0.0 | 5 |
| 97.658 | 0.0000 | 0.0000 | 82.228 | 0.28621 | 0.00000 | 602892.1 | 408557.2 | 0.0 | 5 |
| 97.667 | 0.0000 | 0.0000 | 82.228 | 0.28618 | 0.00000 | 602892.1 | 408565.8 | 0.0 | 5 |
| 97.675 | 0.0000 | 0.0000 | 82.228 | 0.28616 | 0.00000 | 602892.1 | 408574.4 | 0.0 | S |
| 97.683 | 0.0000 | 0.0000 | 82.228 | 0.28614 | 0.00000 | 602892.1 | 408582.9 | 0.0 | S |
| 97.692 | 0.0000 | 0.0000 | 82.228 | 0.28611 | 0.00000 | 602892.1 | 408591.5 | 0.0 | S |
| 97.700 | 0.0000 | 0.0000 | 82.228 | 0.28609 | 0.00000 | 602892.1 | 408600.1 | 0.0 | S |
| 97.708 | 0.0000 | 0.0000 | 82.228 | 0.28606 | 0.00000 | 602892.1 | 408608.7 | 0.0 | S |
| 97.717 | 0.0000 | 0.0000 | 82.227 | 0.28604 | 0.00000 | 602892.1 | 408617.3 | 0.0 | S |
| 97.725 | 0.0000 | 0.0000 | 82.227 | 0.28601 | 0.00000 | 602892.1 | 408625.9 | 0.0 | 5 |
| 97.733 | 0.0000 | 0.0000 | 82.227 | 0.28599 | 0.00000 | 602892.1 | 408634.4 | 0.0 | S |
| 97.742 | 0.0000 | 0.0000 | 82.227 | 0.28597 | 0.00000 | 602892.1 | 408643.0 | 0.0 | S |
| 97.750 | 0.0000 | 0.0000 | 82.227 | 0.28594 | 0.00000 | 602892.1 | 408651.6 | 0.0 | 5 |
| 97.758 | 0.0000 | 0.0000 | 82.227 | 0.28592 | 0.00000 | 602892.1 | 408660.2 | 0.0 | S |
| 97.767 | 0.0000 | 0.0000 | 82.227 | 0.28589 | 0.00000 | 602892.1 | 408668.8 | 0.0 | S |
| 97.775 | 0.0000 | 0.0000 | 82.226 | 0.28587 | 0.00000 | 602892.1 | 408677.3 | 0.0 | S |
| 97.783 | 0.0000 | 0.0000 | 82.226 | 0.28585 | 0.00000 | 602892.1 | 408685.9 | 0.0 | S |
| 97.792 | 0.0000 | 0.0000 | 82.226 | 0.28582 | 0.00000 | 602892.1 | 408694.5 | 0.0 | 5 |
| 97.800 | 0.0000 | 0.0000 | 82.226 | 0.28580 | 0.00000 | 602892.1 | 408703.1 | 0.0 | S |
| 97.808 | 0.0000 | 0.0000 | 82.226 | 0.28577 | 0.00000 | 602892.1 | 408711.6 | 0.0 | S |
| 97.817 | 0.0000 | 0.0000 | 82.226 | 0.28575 | 0.00000 | 602892.1 | 408720.2 | 0.0 | S |
| 97.825 | 0.0000 | 0.0000 | 82.226 | 0.28572 | 0.00000 | 602892.1 | 408728.8 | 0.0 | S |
| 97.833 | 0.0000 | 0.0000 | 82.225 | 0.28570 | 0.00000 | 602892.1 | 408737.3 | 0.0 | 5 |
| 97.842 | 0.0000 | 0.0000 | 82.225 | 0.28568 | 0.00000 | 602892.1 | 408745.9 | 0.0 | S |
| 97.850 | 0.0000 | 0.0000 | 82.225 | 0.28565 | 0.00000 | 602892.1 | 408754.5 | 0.0 | S |
| 97.858 | 0.0000 | 0.0000 | 82.225 | 0.28563 | 0.00000 | 602892.1 | 408763.1 | 0.0 | S |
| 97.867 | 0.0000 | 0.0000 | 82.225 | 0.28560 | 0.00000 | 602892.1 | 408771.6 | 0.0 | S |
| 97.875 | 0.0000 | 0.0000 | 82.225 | 0.28558 | 0.00000 | 602892.1 | 408780.2 | 0.0 | S |
| 97.883 | 0.0000 | 0.0000 | 82.225 | 0.28556 | 0.00000 | 602892.1 | 408788.8 | 0.0 | S |
| 97.892 | 0.0000 | 0.0000 | 82.224 | 0.28553 | 0.00000 | 602892.1 | 408797.3 | 0.0 | S |
| 97.900 | 0.0000 | 0.0000 | 82.224 | 0.28551 | 0.00000 | 602892.1 | 408805.9 | 0.0 | S |
| 97.908 | 0.0000 | 0.0000 | 82.224 | 0.28548 | 0.00000 | 602892.1 | 408814.5 | 0.0 | 5 |
| 97.917 | 0.0000 | 0.0000 | 82.224 | 0.28546 | 0.00000 | 602892.1 | 408823.0 | 0.0 | 5 |
| 97.925 | 0.0000 | 0.0000 | 82.224 | 0.28544 | 0.00000 | 602892.1 | 408831.6 | 0.0 | S |
| 97.933 | 0.0000 | 0.0000 | 82.224 | 0.28541 | 0.00000 | 602892.1 | 408840.2 | 0.0 | S |
| 97.942 | 0.0000 | 0.0000 | 82.224 | 0.28539 | 0.00000 | 602892.1 | 408848.7 | 0.0 | S |
| 97.950 | 0.0000 | 0.0000 | 82.223 | 0.28536 | 0.00000 | 602892.1 | 408857.3 | 0.0 | S |
| 97.958 | 0.0000 | 0.0000 | 82.223 | 0.28534 | 0.00000 | 602892.1 | 408865.8 | 0.0 | S |
| 97.967 | 0.0000 | 0.0000 | 82.223 | 0.28532 | 0.00000 | 602892.1 | 408874.4 | 0.0 | S |
| 97.975 | 0.0000 | 0.0000 | 82.223 | 0.28529 | 0.00000 | 602892.1 | 408882.9 | 0.0 | S |
| 97.983 | 0.0000 | 0.0000 | 82.223 | 0.28527 | 0.00000 | 602892.1 | 408891.5 | 0.0 | S |
| 97.992 | 0.0000 | 0.0000 | 82.223 | 0.28524 | 0.00000 | 602892.1 | 408900.1 | 0.0 | S |
| 98.000 | 0.0000 | 0.0000 | 82.223 | 0.28522 | 0.00000 | 602892.1 | 408908.6 | 0.0 | S |
| 98.008 | 0.0000 | 0.0000 | 82.222 | 0.28520 | 0.00000 | 602892.1 | 408917.2 | 0.0 | S |
| 98.017 | 0.0000 | 0.0000 | 82.222 | 0.28517 | 0.00000 | 602892.1 | 408925.8 | 0.0 | S |
| 98.025 | 0.0000 | 0.0000 | 82.222 | 0.28515 | 0.00000 | 602892.1 | 408934.3 | 0.0 | S |
| 98.033 | 0.0000 | 0.0000 | 82.222 | 0.28512 | 0.00000 | 602892.1 | 408942.8 | 0.0 | S |
| 98.042 | 0.0000 | 0.0000 | 82.222 | 0.28510 | 0.00000 | 602892.1 | 408951.4 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Infiow Rate $\left(\mathrm{f}^{3} / \mathrm{s}\right)$ | Outside Recharge (flday) | Stage Elevation (ft datum) | infiltration Rate ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Overlow <br> Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 98.050 | 0.0000 | 0.0000 | 82.222 | 0.28508 | 0.00000 | 602892.1 | 408959.9 | 0.0 | S |
| 98.058 | 0.0000 | 0.0000 | 82.221 | 0.28505 | 0.00000 | 602892.1 | 408968.5 | 0.0 | S |
| 98.067 | 0.0000 | 0.0000 | 82.221 | 0.28503 | 0.00000 | 602892.1 | 408977.1 | 0.0 | S |
| 98.075 | 0.0000 | 0.0000 | 82.221 | 0.28500 | 0.00000 | 602892.1 | 408985.6 | 0.0 | S |
| 98.083 | 0.0000 | 0.0000 | 82.221 | 0.28498 | 0.00000 | 602892.1 | 408994.2 | 0.0 | S |
| 98.092 | 0.0000 | 0.0000 | 82.221 | 0.28496 | 0.00000 | 602892.1 | 409002.7 | 0.0 | S |
| 98.100 | 0.0000 | 0.0000 | 82.221 | 0.28493 | 0.00000 | 602892.1 | 409011.3 | 0.0 | S |
| 98.108 | 0.0000 | 0.0000 | 82.221 | 0.28491 | 0.00000 | 602892.1 | 409019.8 | 0.0 | S |
| 98.117 | 0.0000 | 0.0000 | 82.220 | 0.28488 | 0.00000 | 602892.1 | 409028.3 | 0.0 | S |
| 98.125 | 0.0000 | 0.0000 | 82.220 | 0.28486 | 0.00000 | 602892.1 | 409036.9 | 0.0 | S |
| 98.133 | 0.0000 | 0.0000 | 82.220 | 0.28484 | 0.00000 | 602892.1 | 409045.4 | 0.0 | S |
| 98.142 | 0.0000 | 0.0000 | 82.220 | 0.28481 | 0.00000 | 602892.1 | 409054.0 | 0.0 | S |
| 98.150 | 0.0000 | 0.0000 | 82.220 | 0.28479 | 0.00000 | 602892.1 | 409062.5 | 0.0 | S |
| 98.158 | 0.0000 | 0.0000 | 82.220 | 0.28476 | 0.00000 | 602892.1 | 409071.1 | 0.0 | S |
| 98.167 | 0.0000 | 0.0000 | 82.220 | 0.28474 | 0.00000 | 602892.1 | 409079.6 | 0.0 | S |
| 98.175 | 0.0000 | 0.0000 | 82.219 | 0.28472 | 0.00000 | 602892.1 | 409088.2 | 0.0 | S |
| 98.183 | 0.0000 | 0.0000 | 82.219 | 0.28469 | 0.00000 | 602892.1 | 409096.7 | 0.0 | S |
| 98.192 | 0.0000 | 0.0000 | 82.219 | 0.28467 | 0.00000 | 602892.1 | 409105.3 | 0.0 | S |
| 98.200 | 0.0000 | 0.0000 | 82.219 | 0.28464 | 0.00000 | 602892.1 | 409113.8 | 0.0 | S |
| 98.208 | 0.0000 | 0.0000 | 82.219 | 0.28462 | 0.00000 | 602892.1 | 409122.3 | 0.0 | S |
| 98.217 | 0.0000 | 0.0000 | 82.219 | 0.28460 | 0.00000 | 602892.1 | 409130.8 | 0.0 | S |
| 98.225 | 0.0000 | 0.0000 | 82.219 | 0.28457 | 0.00000 | 602892.1 | 409139.4 | 0.0 | S |
| 98.233 | 0.0000 | 0.0000 | 82.218 | 0.28455 | 0.00000 | 602892.1 | 409147.9 | 0.0 | S |
| 98.242 | 0.0000 | 0.0000 | 82.218 | 0.28452 | 0.00000 | 602892.1 | 409156.5 | 0.0 | S |
| 98.250 | 0.0000 | 0.0000 | 82.218 | 0.28450 | 0.00000 | 602892.1 | 409165.0 | 0.0 | S |
| 98.258 | 0.0000 | 0.0000 | 82.218 | 0.28448 | 0.00000 | 602892.1 | 409173.5 | 0.0 | S |
| 98.267 | 0.0000 | 0.0000 | 82.218 | 0.28445 | 0.00000 | 602892.1 | 409182.1 | 0.0 | S |
| 98.275 | 0.0000 | 0.0000 | 82.218 | 0.28443 | 0.00000 | 602892.1 | 409190.6 | 0.0 | S |
| 98.283 | 0.0000 | 0.0000 | 82.218 | 0.28441 | 0.00000 | 602892.1 | 409199.1 | 0.0 | S |
| 98.292 | 0.0000 | 0.0000 | 82.217 | 0.28438 | 0.00000 | 602892.1 | 409207.7 | 0.0 | S |
| 98.300 | 0.0000 | 0.0000 | 82.217 | 0.28436 | 0.00000 | 602892.1 | 409216.2 | 0.0 | S |
| 98.308 | 0.0000 | 0.0000 | 82.217 | 0.28433 | 0.00000 | 602892.1 | 409224.7 | 0.0 | S |
| 98.317 | 0.0000 | 0.0000 | 82.217 | 0.28431 | 0.00000 | 602892.1 | 409233.3 | 0.0 | S |
| 98.325 | 0.0000 | 0.0000 | 82.217 | 0.28429 | 0.00000 | 602892.1 | 409241.8 | 0.0 | S |
| 98.333 | 0.0000 | 0.0000 | 82.217 | 0.28426 | 0.00000 | 602892.1 | 409250.3 | 0.0 | S |
| 98.342 | 0.0000 | 0.0000 | 82.217 | 0.28424 | 0.00000 | 602892.1 | 409258.8 | 0.0 | S |
| 98.350 | 0.0000 | 0.0000 | 82.216 | 0.28421 | 0.00000 | 602892.1 | 409267.4 | 0.0 | S |
| 98.358 | 0.0000 | 0.0000 | 82.216 | 0.28419 | 0.00000 | 602892.1 | 409275.9 | 0.0 | S |
| 98.367 | 0.0000 | 0.0000 | 82.216 | 0.28417 | 0.00000 | 602892.1 | 409284.4 | 0.0 | S |
| 98.375 | 0.0000 | 0.0000 | 82.216 | 0.28414 | 0.00000 | 602892.1 | 409292.9 | 0.0 | S |
| 98.383 | 0.0000 | 0.0000 | 82.216 | 0.28412 | 0.00000 | 602892.1 | 409301.5 | 0.0 | S |
| 98.392 | 0.0000 | 0.0000 | 82.216 | 0.28410 | 0.00000 | 602892.1 | 409310.0 | 0.0 | S |
| 98.400 | 0.0000 | 0.0000 | 82.216 | 0.28407 | 0.00000 | 602892.1 | 409318.5 | 0.0 | S |
| 98.408 | 0.0000 | 0.0000 | 82.215 | 0.28405 | 0.00000 | 602892.1 | 409327.0 | 0.0 | S |
| 98.417 | 0.0000 | 0.0000 | 82.215 | 0.28402 | 0.00000 | 602892.1 | 409335.6 | 0.0 | S |
| 98.425 | 0.0000 | 0.0000 | 82.215 | 0.28400 | 0.00000 | 602892.1 | 409344.1 | 0.0 | S |
| 98.433 | 0.0000 | 0.0000 | 82.215 | 0.28398 | 0.00000 | 602892.1 | 409352.6 | 0.0 | S |
| 98.442 | 0.0000 | 0.0000 | 82.215 | 0.28395 | 0.00000 | 602892.1 | 409361.1 | 0.0 | S |
| 98.450 | 0.0000 | 0.0000 | 82.215 | 0.28393 | 0.00000 | 602892.1 | 409369.6 | 0.0 | S |
| 98.458 | 0.0000 | 0.0000 | 82.215 | 0.28390 | 0.00000 | 602892.1 | 409378.2 | 0.0 | S |
| 98.467 | 0.0000 | 0.0000 | 82.214 | 0.28388 | 0.00000 | 602892.1 | 409386.7 | 0.0 | S |
| 98.475 | 0.0000 | 0.0000 | 82.214 | 0.28386 | 0.00000 | 602892.1 | 409395.2 | 0.0 | S |
| 98.483 | 0.0000 | 0.0000 | 82.214 | 0.28383 | 0.00000 | 602892.1 | 409403.7 | 0.0 | S |
| 98.492 | 0.0000 | 0.0000 | 82.214 | 0.28381 | 0.00000 | 602892.1 | 409412.2 | 0.0 | S |
| 98.500 | 0.0000 | 0.0000 | 82.214 | 0.28379 | 0.00000 | 602892.1 | 409420.7 | 0.0 | S |
| 98.508 | 0.0000 | 0.0000 | 82.214 | 0.28376 | 0.00000 | 602892.1 | 409429.3 | 0.0 | S |
| 98.517 | 0.0000 | 0.0000 | 82.213 | 0.28374 | 0.00000 | 602892.1 | 409437.8 | 0.0 | S |
| 98.525 | 0.0000 | 0.0000 | 82.213 | 0.28371 | 0.00000 | 602892.1 | 409446.3 | 0.0 | S |
| 98.533 | 0.0000 | 0.0000 | 82.213 | 0.28369 | 0.00000 | 602892.1 | 409454.8 | 0.0 | S |
| 98.542 | 0.0000 | 0.0000 | 82.213 | 0.28367 | 0.00000 | 602892.1 | 409463.3 | 0.0 | S |
| 98.550 | 0.0000 | 0.0000 | 82.213 | 0.28364 | 0.00000 | 602892.1 | 409471.8 | 0.0 | S |
| 98.558 | 0.0000 | 0.0000 | 82.213 | 0.28362 | 0.00000 | 602892.1 | 409480.3 | 0.0 | S |
| 98.567 | 0.0000 | 0.0000 | 82.213 | 0.28360 | 0.00000 | 602892.1 | 409488.8 | 0.0 | S |
| 98.575 | 0.0000 | 0.0000 | 82.212 | 0.28357 | 0.00000 | 602892.1 | 409497.3 | 0.0 | S |
| 98.583 | 0.0000 | 0.0000 | 82.212 | 0.28355 | 0.00000 | 602892.1 | 409505.8 | 0.0 | S |
| 98.592 | 0.0000 | 0.0000 | 82.212 | 0.28352 | 0.00000 | 602892.1 | 409514.3 | 0.0 | S |
| 98.600 | 0.0000 | 0.0000 | 82.212 | 0.28350 | 0.00000 | 602892.1 | 409522.8 | 0.0 | S |
| 98.608 | 0.0000 | 0.0000 | 82.212 | 0.28348 | 0.00000 | 602892.1 | 409531.3 | 0.0 | S |
| 98.617 | 0.0000 | 0.0000 | 82.212 | 0.28345 | 0.00000 | 602892.1 | 409539.8 | 0.0 | S |
| 98.625 | 0.0000 | 0.0000 | 82.212 | 0.28343 | 0.00000 | 602892.1 | 409548.3 | 0.0 | S |
| 98.633 | 0.0000 | 0.0000 | 82.211 | 0.28341 | 0.00000 | 602892.1 | 409556.8 | 0.0 | S |
| 98.642 | 0.0000 | 0.0000 | 82.211 | 0.28338 | 0.00000 | 602892.1 | 409565.3 | 0.0 | S |
| 98.650 | 0.0000 | 0.0000 | 82.211 | 0.28336 | 0.00000 | 602892.1 | 409573.8 | 0.0 | S |
| 98.658 | 0.0000 | 0.0000 | 82.211 | 0.28333 | 0.00000 | 602892.1 | 409582.3 | 0.0 | S |

PONDS Version 3.2.0207

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Votume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{fl}^{3}$ ) | $\begin{aligned} & \text { Flow } \\ & \text { Type } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 98.667 | 0.0000 | 0.0000 | 82.211 | 0.28331 | 0.00000 | 602892.1 | 409590.8 | 0.0 | S |
| 98.675 | 0.0000 | 0.0000 | 82.211 | 0.28329 | 0.00000 | 602892.1 | 409599.3 | 0.0 | S |
| 98.683 | 0.0000 | 0.0000 | 82.211 | 0.28326 | 0.00000 | 602892.1 | 409607.8 | 0.0 | S |
| 98.692 | 0.0000 | 0.0000 | 82.210 | 0.28324 | 0.00000 | 602892.1 | 409616.3 | 0.0 | S |
| 98.700 | 0.0000 | 0.0000 | 82.210 | 0.28322 | 0.00000 | 602892.1 | 409624.8 | 0.0 | 5 |
| 98.708 | 0.0000 | 0.0000 | 82.210 | 0.28319 | 0.00000 | 602892.1 | 409633.3 | 0.0 | S |
| 98.717 | 0.0000 | 0.0000 | 82.210 | 0.28317 | 0.00000 | 602892.1 | 409641.8 | 0.0 | S |
| 98.725 | 0.0000 | 0.0000 | 82.210 | 0.28314 | 0.00000 | 602892.1 | 409650.3 | 0.0 | S |
| 98.733 | 0.0000 | 0.0000 | 82.210 | 0.28312 | 0.00000 | 602892.1 | 409658.8 | 0.0 | S |
| 98.742 | 0.0000 | 0.0000 | 82.210 | 0.28310 | 0.00000 | 602892.1 | 409667.3 | 0.0 | S |
| 98.750 | 0.0000 | 0.0000 | 82.209 | 0.28307 | 0.00000 | 602892.1 | 409675.8 | 0.0 | S |
| 98.758 | 0.0000 | 0.0000 | 82.209 | 0.28305 | 0.00000 | 602892.1 | 409684.3 | 0.0 | S |
| 98.767 | 0.0000 | 0.0000 | 82.209 | 0.28303 | 0.00000 | 602892.1 | 409692.8 | 0.0 | S |
| 98.775 | 0.0000 | 0.0000 | 82.209 | 0.28300 | 0.00000 | 602892.1 | 409701.3 | 0.0 | S |
| 98.783 | 0.0000 | 0.0000 | 82.209 | 0.28298 | 0.00000 | 602892.1 | 409709.8 | 0.0 | S |
| 98.792 | 0.0000 | 0.0000 | 82.209 | 0.28296 | 0.00000 | 602892.1 | 409718.3 | 0.0 | S |
| 98.800 | 0.0000 | 0.0000 | 82.209 | 0.28293 | 0.00000 | 602892.1 | 409726.8 | 0.0 | S |
| 98.808 | 0.0000 | 0.0000 | 82.208 | 0.28291 | 0.00000 | 602892.1 | 409735.3 | 0.0 | S |
| 98.817 | 0.0000 | 0.0000 | 82.208 | 0.28288 | 0.00000 | 602892.1 | 409743.7 | 0.0 | S |
| 98.825 | 0.0000 | 0.0000 | 82.208 | 0.28286 | 0.00000 | 602892.1 | 409752.2 | 0.0 | S |
| 98.833 | 0.0000 | 0.0000 | 82.208 | 0.28284 | 0.00000 | 602892.1 | 409760.7 | 0.0 | S |
| 98.842 | 0.0000 | 0.0000 | 82.208 | 0.28281 | 0.00000 | 602892.1 | 409769.2 | 0.0 | S |
| 98.850 | 0.0000 | 0.0000 | 82.208 | 0.28279 | 0.00000 | 602892.1 | 409777.7 | 0.0 | S |
| 98.858 | 0.0000 | 0.0000 | 82.208 | 0.28277 | 0.00000 | 602892.1 | 409786.2 | 0.0 | S |
| 98.867 | 0.0000 | 0.0000 | 82.207 | 0.28274 | 0.00000 | 602892.1 | 409794.6 | 0.0 | S |
| 98.875 | 0.0000 | 0.0000 | 82.207 | 0.28272 | 0.00000 | 602892.1 | 409803.1 | 0.0 | S |
| 98.883 | 0.0000 | 0.0000 | 82.207 | 0.28270 | 0.00000 | 602892.1 | 409811.6 | 0.0 | S |
| 98.892 | 0.0000 | 0.0000 | 82.207 | 0.28267 | 0.00000 | 602892.1 | 409820.1 | 0.0 | S |
| 98.900 | 0.0000 | 0.0000 | 82.207 | 0.28265 | 0.00000 | 602892.1 | 409828.6 | 0.0 | S |
| 98.908 | 0.0000 | 0.0000 | 82.207 | 0.28262 | 0.00000 | 602892.1 | 409837.0 | 0.0 | S |
| 98.917 | 0.0000 | 0.0000 | 82.207 | 0.28260 | 0.00000 | 602892.1 | 409845.5 | 0.0 | S |
| 98.925 | 0.0000 | 0.0000 | 82.206 | 0.28258 | 0.00000 | 602892.1 | 409854.0 | 0.0 | S |
| 98.933 | 0.0000 | 0.0000 | 82.206 | 0.28255 | 0.00000 | 602892.1 | 409862.5 | 0.0 | S |
| 98.942 | 0.0000 | 0.0000 | 82.206 | 0.28253 | 0.00000 | 602892.1 | 409870.9 | 0.0 | S |
| 98.950 | 0.0000 | 0.0000 | 82.206 | 0.28251 | 0.00000 | 602892.1 | 409879.4 | 0.0 | S |
| 98.958 | 0.0000 | 0.0000 | 82.206 | 0.28248 | 0.00000 | 602892.1 | 409887.9 | 0.0 | S |
| 98.967 | 0.0000 | 0.0000 | 82.206 | 0.28246 | 0.00000 | 602892.1 | 409896.4 | 0.0 | S |
| 98.975 | 0.0000 | 0.0000 | 82.206 | 0.28244 | 0.00000 | 602892.1 | 409904.8 | 0.0 | S |
| 98.983 | 0.0000 | 0.0000 | 82.205 | 0.28241 | 0.00000 | 602892.1 | 409913.3 | 0.0 | S |
| 98.992 | 0.0000 | 0.0000 | 82.205 | 0.28239 | 0.00000 | 602892.1 | 409921.8 | 0.0 | S |
| 99.000 | 0.0000 | 0.0000 | 82.205 | 0.28237 | 0.00000 | 602892.1 | 409930.3 | 0.0 | S |
| 99.008 | 0.0000 | 0.0000 | 82.205 | 0.28234 | 0.00000 | 602892.1 | 409938.7 | 0.0 | S |
| 99.017 | 0.0000 | 0.0000 | 82.205 | 0.28232 | 0.00000 | 602892.1 | 409947.2 | 0.0 | S |
| 99.025 | 0.0000 | 0.0000 | 82.205 | 0.28230 | 0.00000 | 602892.1 | 409955.7 | 0.0 | S |
| 99.033 | 0.0000 | 0.0000 | 82.205 | 0.28227 | 0.00000 | 602892.1 | 409964.1 | 0.0 | S |
| 99.042 | 0.0000 | 0.0000 | 82.204 | 0.28225 | 0.00000 | 602892.1 | 409972.6 | 0.0 | S |
| 99.050 | 0.0000 | 0.0000 | 82.204 | 0.28222 | 0.00000 | 602892.1 | 409981.1 | 0.0 | S |
| 99.058 | 0.0000 | 0.0000 | 82.204 | 0.28220 | 0.00000 | 602892.1 | 409989.5 | 0.0 | S |
| 99.067 | 0.0000 | 0.0000 | 82.204 | 0.28218 | 0.00000 | 602892.1 | 409998.0 | 0.0 | S |
| 99.075 | 0.0000 | 0.0000 | 82.204 | 0.28215 | 0.00000 | 602892.1 | 410006.5 | 0.0 | S |
| 99.083 | 0.0000 | 0.0000 | 82.204 | 0.28213 | 0.00000 | 602892.1 | 410014.9 | 0.0 | S |
| 99.092 | 0.0000 | 0.0000 | 82.204 | 0.28211 | 0.00000 | 602892.1 | 410023.4 | 0.0 | S |
| 99.100 | 0.0000 | 0.0000 | 82.203 | 0.28208 | 0.00000 | 602892.1 | 410031.9 | 0.0 | S |
| 99.108 | 0.0000 | 0.0000 | 82.203 | 0.28206 | 0.00000 | 602892.1 | 410040.3 | 0.0 | S |
| 99.117 | 0.0000 | 0.0000 | 82.203 | 0.28204 | 0.00000 | 602892.1 | 410048.8 | 0.0 | S |
| 99.125 | 0.0000 | 0.0000 | 82.203 | 0.28201 | 0.00000 | 602892.1 | 410057.3 | 0.0 | S |
| 99.133 | 0.0000 | 0.0000 | 82.203 | 0.28199 | 0.00000 | 602892.1 | 410065.7 | 0.0 | S |
| 99.142 | 0.0000 | 0.0000 | 82.203 | 0.28197 | 0.00000 | 602892.1 | 410074.2 | 0.0 | S |
| 99.150 | 0.0000 | 0.0000 | 82.203 | 0.28194 | 0.00000 | 602892.1 | 410082.6 | 0.0 | S |
| 99.158 | 0.0000 | 0.0000 | 82.202 | 0.28192 | 0.00000 | 602892.1 | 410091.1 | 0.0 | S |
| 99.167 | 0.0000 | 0.0000 | 82.202 | 0.28190 | 0.00000 | 602892.1 | 410099.5 | 0.0 | S |
| 99.175 | 0.0000 | 0.0000 | 82.202 | 0.28187 | 0.00000 | 602892.1 | 410108.0 | 0.0 | S |
| 99.183 | 0.0000 | 0.0000 | 82.202 | 0.28185 | 0.00000 | 602892.1 | 410116.4 | 0.0 | S |
| 99.192 | 0.0000 | 0.0000 | 82.202 | 0.28183 | 0.00000 | 602892.1 | 410124.9 | 0.0 | S |
| 99.200 | 0.0000 | 0.0000 | 82.202 | 0.28180 | 0.00000 | 602892.1 | 410133.4 | 0.0 | S |
| 99.208 | 0.0000 | 0.0000 | 82.202 | 0.28178 | 0.00000 | 602892.1 | 410141.8 | 0.0 | S |
| 99.217 | 0.0000 | 0.0000 | 82.201 | 0.28175 | 0.00000 | 602892.1 | 410150.3 | 0.0 | S |
| 99.225 | 0.0000 | 0.0000 | 82.201 | 0.28173 | 0.00000 | 602892.1 | 410158.7 | 0.0 | S |
| 99.233 | 0.0000 | 0.0000 | 82.201 | 0.28171 | 0.00000 | 602892.1 | 410167.2 | 0.0 | S |
| 99.242 | 0.0000 | 0.0000 | 82.201 | 0.28168 | 0.00000 | 602892.1 | 410175.6 | 0.0 | S |
| 99.250 | 0.0000 | 0.0000 | 82.201 | 0.28166 | 0.00000 | 602892.1 | 410184.1 | 0.0 | S |
| 99.258 | 0.0000 | 0.0000 | 82.201 | 0.28164 | 0.00000 | 602892.1 | 410192.5 | 0.0 | S |
| 99.267 | 0.0000 | 0.0000 | 82.200 | 0.28161 | 0.00000 | 602892.1 | 410201.0 | 0.0 | S |
| 99.275 | 0.0000 | 0.0000 | 82.200 | 0.28159 | 0.00000 | 602892.1 | 410209.4 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{fl}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{f}^{3 / 3}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Discharge Volume ( $\left(\mathrm{t}^{3}\right)$ | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 99.283 | 0.0000 | 0.0000 | 82.200 | 0.28157 | 0.00000 | 602892.1 | 410217.9 | 0.0 | S |
| 99.292 | 0.0000 | 0.0000 | 82.200 | 0.28154 | 0.00000 | 602892.1 | 410226.3 | 0.0 | S |
| 99.300 | 0.0000 | 0.0000 | 82.200 | 0.28152 | 0.00000 | 602892.1 | 410234.8 | 0.0 | S |
| 99.308 | 0.0000 | 0.0000 | 82.200 | 0.28150 | 0.00000 | 602892.1 | 410243.2 | 0.0 | S |
| 99.317 | 0.0000 | 0.0000 | 82.200 | 0.28147 | 0.00000 | 602892.1 | 410251.7 | 0.0 | S |
| 99.325 | 0.0000 | 0.0000 | 82.199 | 0.28145 | 0.00000 | 602892.1 | 410260.1 | 0.0 | S |
| 99.333 | 0.0000 | 0.0000 | 82.199 | 0.28143 | 0.00000 | 602892.1 | 410268.5 | 0.0 | S |
| 99.342 | 0.0000 | 0.0000 | 82.199 | 0.28140 | 0.00000 | 602892.1 | 410277.0 | 0.0 | S |
| 99.350 | 0.0000 | 0.0000 | 82.199 | 0.28138 | 0.00000 | 602892.1 | 410285.4 | 0.0 | S |
| 99.358 | 0.0000 | 0.0000 | 82.199 | 0.28136 | 0.00000 | 602892.1 | 410293.9 | 0.0 | S |
| 99.367 | 0.0000 | 0.0000 | 82.199 | 0.28133 | 0.00000 | 602892.1 | 410302.3 | 0.0 | S |
| 99.375 | 0.0000 | 0.0000 | 82.199 | 0.28131 | 0.00000 | 602892.1 | 410310.8 | 0.0 | S |
| 99.383 | 0.0000 | 0.0000 | 82.198 | 0.28129 | 0.00000 | 602892.1 | 410319.2 | 0.0 | S |
| 99.392 | 0.0000 | 0.0000 | 82.198 | 0.28126 | 0.00000 | 602892.1 | 410327.6 | 0.0 | S |
| 99.400 | 0.0000 | 0.0000 | 82.198 | 0.28124 | 0.00000 | 602892.1 | 410336.1 | 0.0 | S |
| 99.408 | 0.0000 | 0.0000 | 82.198 | 0.28122 | 0.00000 | 602892.1 | 410344.5 | 0.0 | S |
| 99.417 | 0.0000 | 0.0000 | 82.198 | 0.28119 | 0.00000 | 602892.1 | 410352.9 | 0.0 | S |
| 99.425 | 0.0000 | 0.0000 | 82.198 | 0.28117 | 0.00000 | 602892.1 | 410361.4 | 0.0 | S |
| 99.433 | 0.0000 | 0.0000 | 82.198 | 0.28115 | 0.00000 | 602892.1 | 410369.8 | 0.0 | S |
| 99.442 | 0.0000 | 0.0000 | 82.197 | 0.28112 | 0.00000 | 602892.1 | 410378.2 | 0.0 | S |
| 99.450 | 0.0000 | 0.0000 | 82.197 | 0.28110 | 0.00000 | 602892.1 | 410386.7 | 0.0 | S |
| 99.458 | 0.0000 | 0.0000 | 82.197 | 0.28108 | 0.00000 | 602892.1 | 410395.1 | 0.0 | S |
| 99.467 | 0.0000 | 0.0000 | 82.197 | 0.28105 | 0.00000 | 602892.1 | 410403.5 | 0.0 | S |
| 99.475 | 0.0000 | 0.0000 | 82.197 | 0.28103 | 0.00000 | 602892.1 | 410412.0 | 0.0 | S |
| 99.483 | 0.0000 | 0.0000 | 82.197 | 0.28101 | 0.00000 | 602892.1 | 410420.4 | 0.0 | S |
| 99.492 | 0.0000 | 0.0000 | 82.197 | 0.28098 | 0.00000 | 602892.1 | 410428.8 | 0.0 | S |
| 99.500 | 0.0000 | 0.0000 | 82.196 | 0.28096 | 0.00000 | 602892.1 | 410437.3 | 0.0 | S |
| 99.508 | 0.0000 | 0.0000 | 82.196 | 0.28094 | 0.00000 | 602892.1 | 410445.7 | 0.0 | S |
| 99.517 | 0.0000 | 0.0000 | 82.196 | 0.28091 | 0.00000 | 602892.1 | 410454.1 | 0.0 | S |
| 99.525 | 0.0000 | 0.0000 | 82.196 | 0.28089 | 0.00000 | 602892.1 | 410462.5 | 0.0 | S |
| 99.533 | 0.0000 | 0.0000 | 82.196 | 0.28087 | 0.00000 | 602892.1 | 410471.0 | 0.0 | S |
| 99.542 | 0.0000 | 0.0000 | 82.196 | 0.28084 | 0.00000 | 602892.1 | 410479.4 | 0.0 | S |
| 99.550 | 0.0000 | 0.0000 | 82.196 | 0.28082 | 0.00000 | 602892.1 | 410487.8 | 0.0 | S |
| 99.558 | 0.0000 | 0.0000 | 82.195 | 0.28080 | 0.00000 | 602892.1 | 410496.3 | 0.0 | S |
| 99.567 | 0.0000 | 0.0000 | 82.195 | 0.28077 | 0.00000 | 602892.1 | 410504.7 | 0.0 | S |
| 99.575 | 0.0000 | 0.0000 | 82.195 | 0.28075 | 0.00000 | 602892.1 | 410513.1 | 0.0 | S |
| 99.583 | 0.0000 | 0.0000 | 82.195 | 0.28073 | 0.00000 | 602892.1 | 410521.5 | 0.0 | S |
| 99.592 | 0.0000 | 0.0000 | 82.195 | 0.28070 | 0.00000 | 602892.1 | 410529.9 | 0.0 | S |
| 99.600 | 0.0000 | 0.0000 | 82.195 | 0.28068 | 0.00000 | 602892.1 | 410538.3 | 0.0 | S |
| 99.608 | 0.0000 | 0.0000 | 82.195 | 0.28066 | 0.00000 | 602892.1 | 410546.8 | 0.0 | S |
| 99.617 | 0.0000 | 0.0000 | 82.194 | 0.28063 | 0.00000 | 602892.1 | 410555.2 | 0.0 | S |
| 99.625 | 0.0000 | 0.0000 | 82.194 | 0.28061 | 0.00000 | 602892.1 | 410563.6 | 0.0 | S |
| 99.633 | 0.0000 | 0.0000 | 82.194 | 0.28059 | 0.00000 | 602892.1 | 410572.0 | 0.0 | S |
| 99.642 | 0.0000 | 0.0000 | 82.194 | 0.28056 | 0.00000 | 602892.7 | 410580.4 | 0.0 | S |
| 99.650 | 0.0000 | 0.0000 | 82.194 | 0.28054 | 0.00000 | 602892.1 | 410588.8 | 0.0 | S |
| 99.658 | 0.0000 | 0.0000 | 82.194 | 0.28052 | 0.00000 | 602892.1 | 410597.3 | 0.0 | S |
| 99.667 | 0.0000 | 0.0000 | 82.194 | 0.28049 | 0.00000 | 602892.1 | 410605.7 | 0.0 | S |
| 99.675 | 0.0000 | 0.0000 | 82.193 | 0.28047 | 0.00000 | 602892.1 | 410614.1 | 0.0 | S |
| 99.683 | 0.0000 | 0.0000 | 82.193 | 0.28045 | 0.00000 | 602892.1 | 410622.5 | 0.0 | S |
| 99.692 | 0.0000 | 0.0000 | 82.193 | 0.28042 | 0.00000 | 602892.1 | 410630.9 | 0.0 | S |
| 99.700 | 0.0000 | 0.0000 | 82.193 | 0.28040 | 0,00000 | 602892.1 | 410639.3 | 0.0 | S |
| 99.708 | 0.0000 | 0.0000 | 82.193 | 0.28038 | 0.00000 | 602892.1 | 410647.8 | 0.0 | S |
| 99.717 | 0.0000 | 0.0000 | 82.193 | 0.28035 | 0.00000 | 602892.1 | 410656.2 | 0.0 | S |
| 99.725 | 0.0000 | 0.0000 | 82.193 | 0.28033 | 0.00000 | 602892.1 | 410664.6 | 0.0 | S |
| 99.733 | 0.0000 | 0.0000 | 82.192 | 0.28031 | 0.00000 | 602892.1 | 410673.0 | 0.0 | S |
| 99.742 | 0.0000 | 0.0000 | 82.192 | 0.28028 | 0.00000 | 602892.1 | 410681.4 | 0.0 | S |
| 99.750 | 0.0000 | 0.0000 | 82.192 | 0.28026 | 0.00000 | 602892.1 | 410689.8 | 0.0 | S |
| 99.758 | 0.0000 | 0.0000 | 82.192 | 0.28024 | 0.00000 | 602892.1 | 410698.2 | 0.0 | S |
| 99.767 | 0.0000 | 0.0000 | 82.192 | 0.28022 | 0.00000 | 602892.1 | 410706.6 | 0.0 | S |
| 99.775 | 0.0000 | 0.0000 | 82.192 | 0.28019 | 0.00000 | 602892.1 | 410715.0 | 0.0 | S |
| 99.783 | 0.0000 | 0.0000 | 82.192 | 0.28017 | 0.00000 | 602892.1 | 410723.4 | 0.0 | S |
| 99.792 | 0.0000 | 0.0000 | 82.191 | 0.28015 | 0.00000 | 602892.1 | 410731.8 | 0.0 | S |
| 99.800 | 0.0000 | 0.0000 | 82.191 | 0.28012 | 0.00000 | 602892.1 | 410740.3 | 0.0 | S |
| 99.808 | 0.0000 | 0.0000 | 82.191 | 0.28010 | 0.00000 | 602892.1 | 410748.6 | 0.0 | S |
| 99.817 | 0.0000 | 0.0000 | 82.191 | 0.28008 | 0.00000 | 602892.1 | 410757.0 | 0.0 | S |
| 99,825 | 0.0000 | 0.0000 | 82.191 | 0.28005 | 0.00000 | 602892.1 | 410765.4 | 0.0 | S |
| 99.833 | 0.0000 | 0.0000 | 82.191 | 0.28003 | 0.00000 | 602892.1 | 410773.8 | 0.0 | S |
| 99.842 | 0.0000 | 0.0000 | 82.191 | 0.28001 | 0.00000 | 602892.1 | 410782.3 | 0.0 | S |
| 99.850 | 0.0000 | 0.0000 | 82.190 | 0.27998 | 0.00000 | 602892.1 | 410790.7 | 0.0 | S |
| 99.858 | 0.0000 | 0.0000 | 82.190 | 0.27996 | 0.00000 | 602892.1 | 410799.0 | 0.0 | S |
| 99.867 | 0.0000 | 0.0000 | 82.190 | 0.27994 | 0.00000 | 602892.1 | 410807.4 | 0.0 | S |
| 99.875 | 0.0000 | 0.0000 | 82.190 | 0.27991 | 0.00000 | 602892.1 | 410815.8 | 0.0 | S |
| 99.883 | 0.0000 | 0.0000 | 82.190 | 0.27989 | 0.00000 | 602892.1 | 410824.3 | 0.0 | S |
| 99.892 | 0.0000 | 0.0000 | 82.190 | 0.27987 | 0.00000 | 602892.1 | 410832.6 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 99.900 | 0.0000 | 0.0000 | 82.190 | 0.27984 | 0.00000 | 602892.1 | 410841.0 | 0.0 | S |
| 99.908 | 0.0000 | 0.0000 | 82.189 | 0.27982 | 0.00000 | 602892.1 | 410849.4 | 0.0 | S |
| 99.917 | 0.0000 | 0.0000 | 82.189 | 0.27980 | 0.00000 | 602892.1 | 410857.8 | 0.0 | S |
| 99.925 | 0.0000 | 0.0000 | 82.189 | 0.27978 | 0.00000 | 602892.1 | 410866.2 | 0.0 | S |
| 99.933 | 0.0000 | 0.0000 | 82.189 | 0.27975 | 0.00000 | 602892.1 | 410874.6 | 0.0 | S |
| 99.942 | 0.0000 | 0.0000 | 82.189 | 0.27973 | 0.00000 | 602892.1 | 410883.0 | 0.0 | S |
| 99.950 | 0.0000 | 0.0000 | 82.189 | 0.27971 | 0.00000 | 602892.1 | 410891.4 | 0.0 | S |
| 99.958 | 0.0000 | 0.0000 | 82.189 | 0.27968 | 0.00000 | 602892.1 | 410899.8 | 0.0 | S |
| 99.967 | 0.0000 | 0.0000 | 82.188 | 0.27966 | 0.00000 | 602892.1 | 410908.2 | 0.0 | S |
| 99.975 | 0.0000 | 0.0000 | 82.188 | 0.27964 | 0.00000 | 602892.1 | 410916.6 | 0.0 | S |
| 99.983 | 0.0000 | 0.0000 | 82.188 | 0.27961 | 0.00000 | 602892.1 | 410924.9 | 0.0 | S |
| 99.992 | 0.0000 | 0.0000 | 82.188 | 0.27959 | 0.00000 | 602892.1 | 410933.3 | 0.0 | S |
| 100.000 | 0.0000 | 0.0000 | 82.188 | 0.27957 | 0.00000 | 602892.1 | 410941.7 | 0.0 | S |
| 100.008 | 0.0000 | 0.0000 | 82.188 | 0.27954 | 0.00000 | 602892.1 | 410950.1 | 0.0 | S |
| 100.017 | 0.0000 | 0.0000 | 82.188 | 0.27952 | 0.00000 | 602892.1 | 410958.5 | 0.0 | S |
| 100.025 | 0.0000 | 0.0000 | 82.187 | 0.27950 | 0.00000 | 602892.1 | 410966.9 | 0.0 | S |
| 100.033 | 0.0000 | 0.0000 | 82.187 | 0.27947 | 0.00000 | 602892.1 | 410975.3 | 0.0 | S |
| 100.042 | 0.0000 | 0.0000 | 82.187 | 0.27945 | 0.00000 | 602892.1 | 410983.7 | 0.0 | S |
| 100.050 | 0.0000 | 0.0000 | 82.187 | 0.27943 | 0.00000 | 602892.1 | 410992.0 | 0.0 | S |
| 100.058 | 0.0000 | 0.0000 | 82.187 | 0.27941 | 0.00000 | 602892.1 | 411000.4 | 0.0 | S |
| 100.067 | 0.0000 | 0.0000 | 82.187 | 0.27938 | 0.00000 | 602892.1 | 411008.8 | 0.0 | S |
| 100.075 | 0.0000 | 0.0000 | 82.187 | 0.27936 | 0.00000 | 602892.1 | 411017.2 | 0.0 | S |
| 100.083 | 0.0000 | 0.0000 | 82.186 | 0.27934 | 0.00000 | 602892.1 | 411025.6 | 0.0 | S |
| 100.092 | 0.0000 | 0.0000 | 82.186 | 0.27931 | 0.00000 | 602892.1 | 411033.9 | 0.0 | S |
| 100.100 | 0.0000 | 0.0000 | 82.186 | 0.27929 | 0.00000 | 602892.1 | 411042.3 | 0.0 | S |
| 100.108 | 0.0000 | 0.0000 | 82.186 | 0.27927 | 0.00000 | 602892.1 | 411050.7 | 0.0 | S |
| 100.117 | 0.0000 | 0.0000 | 82.186 | 0.27924 | 0.00000 | 602892.1 | 411059.1 | 0.0 | S |
| 100.125 | 0.0000 | 0.0000 | 82.186 | 0.27922 | 0.00000 | 602892.1 | 411067.4 | 0.0 | S |
| 100.133 | 0.0000 | 0.0000 | 82.186 | 0.27920 | 0.00000 | 602892.1 | 411075.8 | 0.0 | S |
| 100.142 | 0.0000 | 0.0000 | 82.185 | 0.27917 | 0.00000 | 602892.1 | 411084.2 | 0.0 | S |
| 100.150 | 0.0000 | 0.0000 | 82.185 | 0.27915 | 0.00000 | 602892.1 | 411092.6 | 0.0 | S |
| 100.158 | 0.0000 | 0.0000 | 82.185 | 0.27913 | 0.00000 | 602892.1 | 411100.9 | 0.0 | S |
| 100.167 | 0.0000 | 0.0000 | 82.185 | 0.27911 | 0.00000 | 602892.1 | 411109.3 | 0.0 | S |
| 100.175 | 0.0000 | 0.0000 | 82.185 | 0.27908 | 0.00000 | 602892.1 | 411117.7 | 0.0 | S |
| 100.183 | 0.0000 | 0.0000 | 82.185 | 0.27906 | 0.00000 | 602892.1 | 411126.1 | 0.0 | S |
| 100.192 | 0.0000 | 0.0000 | 82.185 | 0.27904 | 0.00000 | 602892.1 | 411134.4 | 0.0 | S |
| 100.200 | 0.0000 | 0.0000 | 82.184 | 0.27901 | 0.00000 | 602892.1 | 411142.8 | 0.0 | S |
| 100.208 | 0.0000 | 0.0000 | 82.184 | 0.27899 | 0.00000 | 602892.1 | 411151.2 | 0.0 | S |
| 100.217 | 0.0000 | 0.0000 | 82.184 | 0.27897 | 0.00000 | 602892.1 | 411159.6 | 0.0 | S |
| 100.225 | 0.0000 | 0.0000 | 82.184 | 0.27894 | 0.00000 | 602892.1 | 411167.9 | 0.0 | S |
| 100.233 | 0.0000 | 0.0000 | 82.184 | 0.27892 | 0.00000 | 602892.1 | 411176.3 | 0.0 | S |
| 100.242 | 0.0000 | 0.0000 | 82.184 | 0.27890 | 0.00000 | 602892.1 | 411184.7 | 0.0 | S |
| 100.250 | 0.0000 | 0.0000 | 82.184 | 0.27888 | 0.00000 | 602892.1 | 411193.0 | 0.0 | S |
| 100.258 | 0.0000 | 0.0000 | 82.183 | 0.27885 | 0.00000 | 602892.1 | 411201.4 | 0.0 | S |
| 100.267 | 0.0000 | 0.0000 | 82.183 | 0.27883 | 0.00000 | 602892.1 | 411209.8 | 0.0 | S |
| 100.275 | 0.0000 | 0.0000 | 82.183 | 0.27881 | 0.00000 | 602892.1 | 411218.1 | 0.0 | S |
| 100.283 | 0.0000 | 0.0000 | 82.183 | 0.27878 | 0.00000 | 602892.1 | 411226.5 | 0.0 | S |
| 100.292 | 0.0000 | 0.0000 | 82.183 | 0.27876 | 0.00000 | 602892.1 | 417234.8 | 0.0 | S |
| 100.300 | 0.0000 | 0.0000 | 82.183 | 0.27874 | 0.00000 | 602892.1 | 411243.2 | 0.0 | S |
| 100.308 | 0.0000 | 0.0000 | 82.183 | 0.27872 | 0.00000 | 602892.1 | 411251.6 | 0.0 | S |
| 100.317 | 0.0000 | 0.0000 | 82.182 | 0.27869 | 0.00000 | 602892.1 | 411259.9 | 0.0 | S |
| 100.325 | 0.0000 | 0.0000 | 82.182 | 0.27867 | 0.00000 | 602892.1 | 411268.3 | 0.0 | S |
| 100.333 | 0.0000 | 0.0000 | 82.182 | 0.27865 | 0.00000 | 602892.1 | 411276.7 | 0.0 | S |
| 100.342 | 0.0000 | 0.0000 | 82.182 | 0.27862 | 0.00000 | 602892.1 | 411285.0 | 0.0 | S |
| 100.350 | 0.0000 | 0.0000 | 82.182 | 0.27860 | 0.00000 | 602892.1 | 411293.4 | 0.0 | S |
| 100.358 | 0.0000 | 0.0000 | 82.182 | 0.27858 | 0.00000 | 602892.1 | 411301.7 | 0.0 | S |
| 100.367 | 0.0000 | 0.0000 | 82.182 | 0.27855 | 0.00000 | 602892.1 | 411310.1 | 0.0 | S |
| 100.375 | 0.0000 | 0.0000 | 82.181 | 0.27853 | 0.00000 | 602892.1 | 411318.4 | 0.0 | S |
| 100.383 | 0.0000 | 0.0000 | 82.181 | 0.27851 | 0.00000 | 602892.1 | 411326.8 | 0.0 | S |
| 100.392 | 0.0000 | 0.0000 | 82.181 | 0.27849 | 0.00000 | 602892.1 | 411335.2 | 0.0 | S |
| 100.400 | 0.0000 | 0.0000 | 82.181 | 0.27846 | 0.00000 | 602892.1 | 411343.5 | 0.0 | S |
| 100.408 | 0.0000 | 0.0000 | 82.181 | 0.27844 | 0.00000 | 602892.1 | 411351.8 | 0.0 | S |
| 100.417 | 0.0000 | 0.0000 | 82.181 | 0.27842 | 0.00000 | 602892.1 | 411360.2 | 0.0 | S |
| 100.425 | 0.0000 | 0.0000 | 82.181 | 0.27839 | 0.00000 | 602892.1 | 411368.6 | 0.0 | S |
| 100.433 | 0.0000 | 0.0000 | 82.180 | 0.27837 | 0.00000 | 602892.1 | 411376.9 | 0.0 | S |
| 100.442 | 0.0000 | 0.0000 | 82.180 | 0.27835 | 0.00000 | 602892.1 | 411385.3 | 0.0 | S |
| 100.450 | 0.0000 | 0.0000 | 82.180 | 0.27833 | 0.00000 | 602892.1 | 411393.6 | 0.0 | S |
| 100.458 | 0.0000 | 0.0000 | 82.180 | 0.27830 | 0.00000 | 602892.1 | 411402.0 | 0.0 | S |
| 100.467 | 0.0000 | 0.0000 | 82.180 | 0.27828 | 0.00000 | 602892.1 | 411410.3 | 0.0 | S |
| 100.475 | 0.0000 | 0.0000 | 82.180 | 0.27826 | 0.00000 | 602892.1 | 411418.7 | 0.0 | S |
| 100.483 | 0.0000 | 0.0000 | 82.180 | 0.27823 | 0.00000 | 602892.1 | 411427.0 | 0.0 | S |
| 100.492 | 0.0000 | 0.0000 | 82.179 | 0.27821 | 0.00000 | 602892.1 | 411435.3 | 0.0 | S |
| 100.500 | 0.0000 | 0.0000 | 82.179 | 0.27819 | 0.00000 | 602892.1 | 411443.7 | 0.0 | S |
| 100.508 | 0.0000 | 0.0000 | 82.179 | 0.27817 | 0.00000 | 602892.1 | 411452.0 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:: Scenario 1 :: pond 9100 year $/ 24$ hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate (ft ${ }^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Infiow Volume ( $\mathrm{ff}^{3}$ ) | Cumulative Infiltration Volume (ft ${ }^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 100.517 | 0.0000 | 0.0000 | 82.179 | 0.27814 | 0.00000 | 602892.1 | 411460.4 | 0.0 | S |
| 100.525 | 0.0000 | 0.0000 | 82.179 | 0.27812 | 0.00000 | 602892.1 | 411468.8 | 0.0 | S |
| 100.533 | 0.0000 | 0.0000 | 82.179 | 0.27810 | 0.00000 | 602892.1 | 411477.1 | 0.0 | S |
| 100.542 | 0.0000 | 0.0000 | 82.179 | 0.27807 | 0.00000 | 602892.1 | 411485.4 | 0.0 | S |
| 100.550 | 0.0000 | 0.0000 | 82.178 | 0.27805 | 0.00000 | 602892.1 | 411493.8 | 0.0 | S |
| 100.558 | 0.0000 | 0.0000 | 82.178 | 0.27803 | 0.00000 | 602892.1 | 411502.1 | 0.0 | S |
| 100.567 | 0.0000 | 0.0000 | 82.178 | 0.27801 | 0.00000 | 602892.1 | 411510.4 | 0.0 | S |
| 100.575 | 0.0000 | 0.0000 | 82.178 | 0.27798 | 0.00000 | 602892.1 | 411518.8 | 0.0 | S |
| 100.583 | 0.0000 | 0.0000 | 82.178 | 0.27796 | 0.00000 | 602892.1 | 411527.1 | 0.0 | S |
| 100.592 | 0.0000 | 0.0000 | 82.178 | 0.27794 | 0.00000 | 602892.1 | 411535.5 | 0.0 | S |
| 100.600 | 0.0000 | 0.0000 | 82.178 | 0.27791 | 0.00000 | 602892.1 | 411543.8 | 0.0 | S |
| 100.608 | 0.0000 | 0.0000 | 82.177 | 0.27789 | 0.00000 | 602892.1 | 411552.1 | 0.0 | S |
| 100.617 | 0.0000 | 0.0000 | 82.177 | 0.27787 | 0.00000 | 602892.1 | 411560.5 | 0.0 | S |
| 100.625 | 0.0000 | 0.0000 | 82.177 | 0.27785 | 0.00000 | 602892.1 | 411568.8 | 0.0 | S |
| 100.633 | 0.0000 | 0.0000 | 82.177 | 0.27782 | 0.00000 | 602892.1 | 411577.2 | 0.0 | S |
| 100.642 | 0.0000 | 0.0000 | 82.177 | 0.27780 | 0.00000 | 602892.1 | 411585.5 | 0.0 | S |
| 100.650 | 0.0000 | 0.0000 | 82.177 | 0.27778 | 0.00000 | 602892.1 | 411593.8 | 0.0 | S |
| 100.658 | 0.0000 | 0.0000 | 82.177 | 0.27775 | 0.00000 | 602892.1 | 411602.2 | 0.0 | S |
| 100.667 | 0.0000 | 0.0000 | 82.176 | 0.27773 | 0.00000 | 602892.1 | 411610.5 | 0.0 | S |
| 100.675 | 0.0000 | 0.0000 | 82.176 | 0.27771 | 0.00000 | 602892.1 | 411618.8 | 0.0 | S |
| 100.683 | 0.0000 | 0.0000 | 82.176 | 0.27769 | 0.00000 | 602892.1 | 411627.1 | 0.0 | S |
| 100.692 | 0.0000 | 0.0000 | 82.176 | 0.27766 | 0.00000 | 602892.1 | 411635.5 | 0.0 | S |
| 100.700 | 0.0000 | 0.0000 | 82.176 | 0.27764 | 0.00000 | 602892.1 | 411643.8 | 0.0 | S |
| 100.708 | 0.0000 | 0.0000 | 82.176 | 0.27762 | 0.00000 | 602892.1 | 411652.1 | 0.0 | S |
| 100.717 | 0.0000 | 0.0000 | 82.176 | 0.27759 | 0.00000 | 602892.1 | 411660.5 | 0.0 | S |
| 100.725 | 0.0000 | 0.0000 | 82.175 | 0.27757 | 0.00000 | 602892.1 | 411668.8 | 0.0 | S |
| 100.733 | 0.0000 | 0.0000 | 82.175 | 0.27755 | 0.00000 | 602892.1 | 411677.7 | 0.0 | S |
| 100.742 | 0.0000 | 0.0000 | 82.175 | 0.27753 | 0.00000 | 602892.4 | 411685.4 | 0.0 | S |
| 100.750 | 0.0000 | 0.0000 | 82.175 | 0.27750 | 0.00000 | 602892.1 | 411693.8 | 0.0 | S |
| 100.758 | 0.0000 | 0.0000 | 82.175 | 0.27748 | 0.00000 | 602892.1 | 411702.1 | 0.0 | S |
| 100.767 | 0.0000 | 0.0000 | 82.175 | 0.27746 | 0.00000 | 602892.1 | 411710.4 | 0.0 | S |
| 100.775 | 0.0000 | 0.0000 | 82.175 | 0.27744 | 0.00000 | 602892.1 | 411718.7 | 0.0 | S |
| 100.783 | 0.0000 | 0.0000 | 82.174 | 0.27741 | 0.00000 | 602892.1 | 411727.1 | 0.0 | S |
| 100.792 | 0.0000 | 0.0000 | 82.174 | 0.27739 | 0.00000 | 602892.1 | 411735.4 | 0.0 | S |
| 100.800 | 0.0000 | 0.0000 | 82.174 | 0.27737 | 0.00000 | 602892.1 | 411743.7 | 0.0 | S |
| 100.808 | 0.0000 | 0.0000 | 82.174 | 0.27734 | 0.00000 | 602892.1 | 411752.0 | 0.0 | S |
| 100.817 | 0.0000 | 0.0000 | 82.174 | 0.27732 | 0.00000 | 602892.1 | 411760.3 | 0.0 | S |
| 100.825 | 0.0000 | 0.0000 | 82.174 | 0.27730 | 0.00000 | 602892.1 | 411768.7 | 0.0 | S |
| 100.833 | 0.0000 | 0.0000 | 82.174 | 0.27728 | 0.00000 | 602892.1 | 411777.0 | 0.0 | S |
| 100.842 | 0.0000 | 0.0000 | 82.173 | 0.27725 | 0.00000 | 602892.1 | 411785.3 | 0.0 | S |
| 100.850 | 0.0000 | 0.0000 | 82.173 | 0.27723 | 0.00000 | 602892.1 | 411793.6 | 0.0 | S |
| 100.858 | 0.0000 | 0.0000 | 82.173 | 0.27721 | 0.00000 | 602892.1 | 411801.9 | 0.0 | S |
| 100.867 | 0.0000 | 0.0000 | 82.173 | 0.27718 | 0.00000 | 602892.1 | 411810.3 | 0.0 | S |
| 100.875 | 0.0000 | 0.0000 | 82.173 | 0.27716 | 0.00000 | 602892.1 | 411818.6 | 0.0 | S |
| 100.883 | 0.0000 | 0.0000 | 82.173 | 0.27714 | 0.00000 | 602892.1 | 411826.9 | 0.0 | S |
| 100.892 | 0.0000 | 0.0000 | 82.173 | 0.27712 | 0.00000 | 602892.1 | 411835.2 | 0.0 | S |
| 100.900 | 0.0000 | 0.0000 | 82.172 | 0.27709 | 0.00000 | 602892.1 | 411843.5 | 0.0 | S |
| 100.908 | 0.0000 | 0.0000 | 82.172 | 0.27707 | 0.00000 | 602892.1 | 411851.8 | 0.0 | S |
| 100.917 | 0.0000 | 0.0000 | 82.172 | 0.27705 | 0.00000 | 602892.1 | 411860.1 | 0.0 | S |
| 100.925 | 0.0000 | 0.0000 | 82.172 | 0.27703 | 0.00000 | 602892.1 | 411868.4 | 0.0 | S |
| 100.933 | 0.0000 | 0.0000 | 82.172 | 0.27700 | 0.00000 | 602892.1 | 411876.8 | 0.0 | S |
| 100.942 | 0.0000 | 0.0000 | 82.172 | 0.27698 | 0.00000 | 602892.1 | 411885.1 | 0.0 | S |
| 100.950 | 0.0000 | 0.0000 | 82.172 | 0.27696 | 0.00000 | 602892.1 | 411893.4 | 0.0 | S |
| 100.958 | 0.0000 | 0.0000 | 82.171 | 0.27694 | 0.00000 | 602892.1 | 411901.7 | 0.0 | S |
| 100.967 | 0.0000 | 0.0000 | 82.171 | 0.27691 | 0.00000 | 602892.1 | 411910.0 | 0.0 | S |
| 100.975 | 0.0000 | 0.0000 | 82.171 | 0.27689 | 0.00000 | 602892.1 | 411918.3 | 0.0 | S |
| 100.983 | 0.0000 | 0.0000 | 82.171 | 0.27687 | 0.00000 | 602892.1 | 411926.6 | 0.0 | S |
| 100.992 | 0.0000 | 0.0000 | 82.171 | 0.27684 | 0.00000 | 602892.1 | 411934.9 | 0.0 | S |
| 101.000 | 0.0000 | 0.0000 | 82.171 | 0.27682 | 0.00000 | 602892.1 | 411943.2 | 0.0 | S |
| 101.008 | 0.0000 | 0.0000 | 82.171 | 0.27680 | 0.00000 | 602892.1 | 411951.5 | 0.0 | S |
| 101.017 | 0.0000 | 0.0000 | 82.170 | 0.27678 | 0.00000 | 602892.1 | 411959.8 | 0.0 | S |
| 101.025 | 0.0000 | 0.0000 | 82.170 | 0.27675 | 0.00000 | 602892.1 | 411968.1 | 0.0 | S |
| 101.033 | 0.0000 | 0.0000 | 82.170 | 0.27673 | 0.00000 | 602892.1 | 411976.4 | 0.0 | S |
| 101.042 | 0.0000 | 0.0000 | 82.170 | 0.27671 | 0.00000 | 602892.1 | 411984.7 | 0.0 | S |
| 101.050 | 0.0000 | 0.0000 | 82.170 | 0.27669 | 0.00000 | 602892.1 | 411993.0 | 0.0 | S |
| 101.058 | 0.0000 | 0.0000 | 82.170 | 0.27666 | 0.00000 | 602892.1 | 412001.3 | 0.0 | S |
| 101.067 | 0.0000 | 0.0000 | 82.170 | 0.27664 | 0.00000 | 602892.1 | 412009.6 | 0.0 | S |
| 101.075 | 0.0000 | 0.0000 | 82.169 | 0.27662 | 0.00000 | 602892.1 | 412017.9 | 0.0 | S |
| 101.083 | 0.0000 | 0.0000 | 82.169 | 0.27660 | 0.00000 | 602892.1 | 412026.2 | 0.0 | S |
| 101.092 | 0.0000 | 0.0000 | 82.169 | 0.27657 | 0.00000 | 602892.1 | 412034.5 | 0.0 | S |
| 101.100 | 0.0000 | 0.0000 | 82.169 | 0.27655 | 0.00000 | 602892.1 | 412042.8 | 0.0 | S |
| 101.108 | 0.0000 | 0.0000 | 82.169 | 0.27653 | 0.00000 | 602892.1 | 412051.1 | 0.0 | S |
| 101.117 | 0.0000 | 0.0000 | 82.169 | 0.27651 | 0.00000 | 602892.1 | 412059.4 | 0.0 | S |
| 101.125 | 0.0000 | 0.0000 | 82.169 | 0.27648 | 0.00000 | 602882.1 | 412067.7 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Infiow <br> Rate <br> ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (fidday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overfiow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumuative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 101.133 | 0.0000 | 0.0000 | 82.168 | 0.27646 | 0.00000 | 602892.1 | 412076.0 | 0.0 | S |
| 101.142 | 0.0000 | 0.0000 | 82.168 | 0.27644 | 0.00000 | 602892.1 | 412084.3 | 0.0 | S |
| 101.150 | 0.0000 | 0.0000 | 82.168 | 0.27641 | 0.00000 | 602892.1 | 412092.6 | 0.0 | S |
| 101.158 | 0.0000 | 0.0000 | 82.168 | 0.27639 | 0.00000 | 602892.1 | 412100.9 | 0.0 | S |
| 101.167 | 0.0000 | 0.0000 | 82.168 | 0.27637 | 0.00000 | 602892.1 | 412109.2 | 0.0 | S |
| 101.175 | 0.0000 | 0.0000 | 82.168 | 0.27635 | 0.00000 | 602892.1 | 412117.5 | 0.0 | S |
| 101.183 | 0.0000 | 0.0000 | 82.168 | 0.27632 | 0.00000 | 602892.1 | 412125.8 | 0.0 | S |
| 101.192 | 0.0000 | 0.0000 | 82.167 | 0.27630 | 0.00000 | 602892.1 | 412134.0 | 0.0 | S |
| 101.200 | 0.0000 | 0.0000 | 82.167 | 0.27628 | 0.00000 | 602892.1 | 412142.3 | 0.0 | S |
| 101.208 | 0.0000 | 0.0000 | 82.167 | 0.27626 | 0.00000 | 602892.1 | 412150.6 | 0.0 | S |
| 101.217 | 0.0000 | 0.0000 | 82.167 | 0.27623 | 0.00000 | 602892.1 | 412158.9 | 0.0 | S |
| 101.225 | 0.0000 | 0.0000 | 82.167 | 0.27621 | 0.00000 | 602892.1 | 412167.2 | 0.0 | S |
| 101.233 | 0.0000 | 0.0000 | 82.167 | 0.27619 | 0.00000 | 602892.1 | 412175.5 | 0.0 | S |
| 101.242 | 0.0000 | 0.0000 | 82.167 | 0.27617 | 0.00000 | 602892.1 | 412183.8 | 0.0 | S |
| 101.250 | 0.0000 | 0.0000 | 82.166 | 0.27614 | 0.00000 | 602892.1 | 412192.0 | 0.0 | S |
| 101.258 | 0.0000 | 0.0000 | 82.166 | 0.27612 | 0.00000 | 602892.1 | 412200.3 | 0.0 | S |
| 101.267 | 0.0000 | 0.0000 | 82.166 | 0.27610 | 0.00000 | 602892.1 | 412208.6 | 0.0 | S |
| 101.275 | 0.0000 | 0.0000 | 82.166 | 0.27608 | 0.00000 | 602892.1 | 412216.9 | 0.0 | S |
| 101.283 | 0.0000 | 0.0000 | 82.166 | 0.27605 | 0.00000 | 602892.1 | 412225.2 | 0.0 | S |
| 101.292 | 0.0000 | 0.0000 | 82.166 | 0.27603 | 0.00000 | 602892.1 | 412233.5 | 0.0 | S |
| 101.300 | 0.0000 | 0.0000 | 82.166 | 0.27601 | 0.00000 | 602892.1 | 412241.8 | 0.0 | S |
| 101.308 | 0.0000 | 0.0000 | 82.165 | 0.27599 | 0.00000 | 602892.1 | 412250.0 | 0.0 | S |
| 101.317 | 0.0000 | 0.0000 | 82.165 | 0.27596 | 0.00000 | 602892.1 | 412258.3 | 0.0 | S |
| 101.325 | 0.0000 | 0.0000 | 82.165 | 0.27594 | 0.00000 | 602892.1 | 412266.6 | 0.0 | S |
| 101.333 | 0.0000 | 0.0000 | 82.165 | 0.27592 | 0.00000 | 602892.1 | 412274.8 | 0.0 | S |
| 101.342 | 0.0000 | 0.0000 | 82.165 | 0.27590 | 0.00000 | 602892.1 | 412283.1 | 0.0 | S |
| 101.350 | 0.0000 | 0.0000 | 82.165 | 0.27587 | 0.00000 | 602892.1 | 412291.4 | 0.0 | S |
| 101.358 | 0.0000 | 0.0000 | 82.165 | 0.27585 | 0.00000 | 602892.1 | 412299.7 | 0.0 | S |
| 101.367 | 0.0000 | 0.0000 | 82.164 | 0.27583 | 0.00000 | 602892.1 | 412308.0 | 0.0 | S |
| 101.375 | 0.0000 | 0.0000 | 82.164 | 0.27581 | 0.00000 | 602892.1 | 412316.2 | 0.0 | S |
| 101.383 | 0.0000 | 0.0000 | 82.164 | 0.27578 | 0.00000 | 602892.1 | 412324.5 | 0.0 | S |
| 101.392 | 0.0000 | 0.0000 | 82.164 | 0.27576 | 0.00000 | 602892.1 | 412332.8 | 0.0 | S |
| 101.400 | 0.0000 | 0.0000 | 82.164 | 0.27574 | 0.00000 | 602892.1 | 412341.1 | 0.0 | S |
| 101.408 | 0.0000 | 0.0000 | 82.164 | 0.27572 | 0.00000 | 602892.1 | 412349.3 | 0.0 | S |
| 101.417 | 0.0000 | 0.0000 | 82.164 | 0.27569 | 0.00000 | 602892.1 | 412357.6 | 0.0 | S |
| 101.425 | 0.0000 | 0.0000 | 82.164 | 0.27567 | 0.00000 | 602892.1 | 412365.9 | 0.0 | S |
| 101.433 | 0.0000 | 0.0000 | 82.163 | 0.27565 | 0.00000 | 602892.1 | 412374.1 | 0.0 | S |
| 101.442 | 0.0000 | 0.0000 | 82.163 | 0.27563 | 0.00000 | 602892.1 | 412382.4 | 0.0 | S |
| 101.450 | 0.0000 | 0.0000 | 82.163 | 0.27560 | 0.00000 | 602892.1 | 412390.7 | 0.0 | S |
| 101.458 | 0.0000 | 0.0000 | 82.163 | 0.27558 | 0.00000 | 602892.1 | 412398.9 | 0.0 | S |
| 101.467 | 0.0000 | 0.0000 | 82,163 | 0.27556 | 0.00000 | 602892.1 | 412407.2 | 0.0 | S |
| 101.475 | 0.0000 | 0.0000 | 82.163 | 0.27554 | 0.00000 | 602892.1 | 412415.5 | 0.0 | S |
| 101.483 | 0.0000 | 0.0000 | 82,163 | 0.27551 | 0.00000 | 602892.1 | 412423.8 | 0.0 | S |
| 101.492 | 0.0000 | 0.0000 | 82.162 | 0.27549 | 0.00000 | 602892.1 | 412432.0 | 0.0 | S |
| 101.500 | 0.0000 | 0.0000 | 82.162 | 0.27547 | 0.00000 | 602892.1 | 412440.3 | 0.0 | S |
| 101.508 | 0.0000 | 0.0000 | 82.162 | 0.27545 | 0.00000 | 602892.1 | 412448.5 | 0.0 | S |
| 101.517 | 0.0000 | 0.0000 | 82.162 | 0.27542 | 0.00000 | 602892.1 | 412456.8 | 0.0 | S |
| 101.525 | 0.0000 | 0.0000 | 82.162 | 0.27540 | 0.00000 | 602892.1 | 412465.1 | 0.0 | S |
| 101.533 | 0.0000 | 0.0000 | 82.162 | 0.27538 | 0.00000 | 602892.1 | 412473.3 | 0.0 | S |
| 101.542 | 0.0000 | 0.0000 | 82.162 | 0.27536 | 0.00000 | 602892.1 | 412481.6 | 0.0 | S |
| 101.550 | 0.0000 | 0.0000 | 82.161 | 0.27533 | 0.00000 | 602892.1 | 412489.8 | 0.0 | S |
| 101.558 | 0.0000 | 0.0000 | 82.161 | 0.27531 | 0.00000 | 602892.1 | 412498.1 | 0.0 | S |
| 101.567 | 0.0000 | 0.0000 | 82.161 | 0.27529 | 0.00000 | 602892.1 | 412506.3 | 0.0 | S |
| 101.575 | 0.0000 | 0.0000 | 82.161 | 0.27527 | 0.00000 | 602892.1 | 412514.6 | 0.0 | S |
| 101.583 | 0.0000 | 0.0000 | 82.161 | 0.27524 | 0.00000 | 602892.1 | 412522.9 | 0.0 | S |
| 101.592 | 0.0000 | 0.0000 | 82.161 | 0.27522 | 0.00000 | 602892.1 | 412531.1 | 0.0 | S |
| 101.600 | 0.0000 | 0.0000 | 82.161 | 0.27520 | 0.00000 | 602892.1 | 412539.4 | 0.0 | S |
| 101.608 | 0.0000 | 0.0000 | 82.160 | 0.27518 | 0.00000 | 602892.1 | 412547.7 | 0.0 | S |
| 101.617 | 0.0000 | 0.0000 | 82.160 | 0.27516 | 0.00000 | 602892.1 | 412555.9 | 0.0 | S |
| 101.625 | 0.0000 | 0.0000 | 82.160 | 0.27513 | 0.00000 | 602892.1 | 412564.2 | 0.0 | S |
| 101.633 | 0.0000 | 0.0000 | 82.160 | 0.27511 | 0.00000 | 602892.1 | 412572.4 | 0.0 | S |
| 101.642 | 0.0000 | 0.0000 | 82.160 | 0.27509 | 0.00000 | 602892.1 | 412580.7 | 0.0 | S |
| 101.650 | 0.0000 | 0.0000 | 82.160 | 0.27507 | 0.00000 | 602892.1 | 412588.9 | 0.0 | S |
| 101.658 | 0.0000 | 0.0000 | 82.160 | 0.27504 | 0.00000 | 602892.1 | 412597.2 | 0.0 | S |
| 101.667 | 0.0000 | 0.0000 | 82.159 | 0.27502 | 0.00000 | 602892.1 | 412605.4 | 0.0 | S |
| 101.675 | 0.0000 | 0.0000 | 82.159 | 0.27500 | 0.00000 | 602892.1 | 412613.7 | 0.0 | S |
| 101.683 | 0.0000 | 0.0000 | 82.159 | 0.27498 | 0.00000 | 602892.1 | 412621.9 | 0.0 | S |
| 101.692 | 0.0000 | 0.0000 | 82.159 | 0.27495 | 0.00000 | 602892.1 | 412630.2 | 0.0 | S |
| 101.700 | 0.0000 | 0.0000 | 82.159 | 0.27493 | 0.00000 | 602892.1 | 412638.4 | 0.0 | S |
| 101.708 | 0.0000 | 0.0000 | 82.159 | 0.27491 | 0.00000 | 602892.1 | 412646.7 | 0.0 | S |
| 101.717 | 0.0000 | 0.0000 | 82.159 | 0.27489 | 0.00000 | 602892.1 | 412654.9 | 0.0 | S |
| 101.725 | 0.0000 | 0.0000 | 82.158 | 0.27486 | 0.00000 | 602892.1 | 412663.2 | 0.0 | S |
| 101.733 | 0.0000 | 0.0000 | 82.158 | 0.27484 | 0.00000 | 602892.1 | 412671.4 | 0.0 | S |
| 101.742 | 0.0000 | 0.0000 | 82.158 | 0.27482 | 0.00000 | 602892.1 | 412679.7 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
$\because$ Scenario 1 :: pond 9100 year $/ 24$ hour routing with pond 10 overflow

| Elapsed Time (hours) | Infiow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infilitration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume (ft ${ }^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 101.750 | 0.0000 | 0.0000 | 82.158 | 0.27480 | 0.00000 | 602892.1 | 412687.9 | 0.0 | S |
| 101.758 | 0.0000 | 0.0000 | 82.158 | 0.27478 | 0.00000 | 602892.1 | 412696.1 | 0.0 | S |
| 101.767 | 0.0000 | 0.0000 | 82.158 | 0.27475 | 0.00000 | 602892.1 | 412704.4 | 0.0 | S |
| 101.775 | 0.0000 | 0.0000 | 82.158 | 0.27473 | 0.00000 | 602892.1 | 412712.6 | 0.0 | S |
| 101.783 | 0.0000 | 0.0000 | 82.157 | 0.27471 | 0.00000 | 602892.1 | 412720.8 | 0.0 | S |
| 101.792 | 0.0000 | 0.0000 | 82.157 | 0.27469 | 0.00000 | 602892.1 | 412729.1 | 0.0 | S |
| 101.800 | 0.0000 | 0.0000 | 82.157 | 0.27466 | 0.00000 | 602892.1 | 412737.3 | 0.0 | S |
| 101.808 | 0.0000 | 0.0000 | 82.157 | 0.27464 | 0.00000 | 602892.1 | 412745.6 | 0.0 | S |
| 101.817 | 0.0000 | 0.0000 | 82.157 | 0.27462 | 0.00000 | 602892.1 | 412753.8 | 0.0 | S |
| 101.825 | 0.0000 | 0.0000 | 82.157 | 0.27460 | 0.00000 | 602892.1 | 412762.1 | 0.0 | S |
| 101.833 | 0.0000 | 0.0000 | 82.157 | 0.27457 | 0.00000 | 602892.1 | 412770.3 | 0.0 | S |
| 101.842 | 0.0000 | 0.0000 | 82.156 | 0.27455 | 0.00000 | 602892.1 | 412778.5 | 0.0 | S |
| 101.850 | 0.0000 | 0.0000 | 82.156 | 0.27453 | 0.00000 | 602892.1 | 412786.8 | 0.0 | S |
| 101.858 | 0.0000 | 0.0000 | 82.156 | 0.27451 | 0.00000 | 602892.1 | 412795.0 | 0.0 | S |
| 101.867 | 0.0000 | 0.0000 | 82.156 | 0.27449 | 0.00000 | 602892.1 | 412803.3 | 0.0 | S |
| 101.875 | 0.0000 | 0.0000 | 82.156 | 0.27446 | 0.00000 | 602892.1 | 412811.5 | 0.0 | S |
| 101.883 | 0.0000 | 0.0000 | 82.156 | 0.27444 | 0.00000 | 602892.1 | 412819.7 | 0.0 | S |
| 101.892 | 0.0000 | 0.0000 | 82.156 | 0.27442 | 0.00000 | 602892.1 | 412827.9 | 0.0 | S |
| 101.900 | 0.0000 | 0.0000 | 82.155 | 0.27440 | 0.00000 | 602892.1 | 412836.2 | 0.0 | S |
| 101.908 | 0.0000 | 0.0000 | 82.155 | 0.27437 | 0.00000 | 602892.1 | 412844.4 | 0.0 | S |
| 101.917 | 0.0000 | 0.0000 | 82.155 | 0.27435 | 0.00000 | 602892.1 | 412852.6 | 0.0 | S |
| 101.925 | 0.0000 | 0.0000 | 82.155 | 0.27433 | 0.00000 | 602892.1 | 412860.9 | 0.0 | S |
| 101.933 | 0.0000 | 0.0000 | 82.155 | 0.27431 | 0.00000 | 602892.1 | 412869.1 | 0.0 | S |
| 101.942 | 0.0000 | 0.0000 | 82.155 | 0.27428 | 0.00000 | 602892.1 | 412877.3 | 0.0 | S |
| 101.950 | 0.0000 | 0.0000 | 82.155 | 0.27426 | 0.00000 | 602892.1 | 412885.6 | 0.0 | S |
| 101.958 | 0.0000 | 0.0000 | 82.154 | 0.27424 | 0.00000 | 602892.7 | 412893.8 | 0.0 | S |
| 101.967 | 0.0000 | 0.0000 | 82,154 | 0.27422 | 0.00000 | 602892.1 | 412902.0 | 0.0 | S |
| 101.975 | 0.0000 | 0.0000 | 82.154 | 0.27420 | 0.00000 | 602892.1 | 412910.2 | 0.0 | S |
| 101.983 | 0.0000 | 0.0000 | 82.154 | 0.27417 | 0.00000 | 602892.1 | 412918.5 | 0.0 | S |
| 101.992 | 0.0000 | 0.0000 | 82.154 | 0.27415 | 0.00000 | 602892.1 | 412926.7 | 0.0 | S |
| 102.000 | 0.0000 | 0.0000 | 82.154 | 0.27413 | 0.00000 | 602892.1 | 412934.9 | 0.0 | S |
| 102.008 | 0.0000 | 0.0000 | 82.154 | 0.27411 | 0.00000 | 602892.1 | 412943.1 | 0.0 | S |
| 102.017 | 0.0000 | 0.0000 | 82.153 | 0.27408 | 0.00000 | 602892.1 | 412951.3 | 0.0 | S |
| 102.025 | 0.0000 | 0.0000 | 82.153 | 0.27406 | 0.00000 | 602892.1 | 412959.6 | 0.0 | S |
| 102.033 | 0.0000 | 0.0000 | 82.153 | 0.27404 | 0.00000 | 602892.1 | 412967.8 | 0.0 | S |
| 102.042 | 0.0000 | 0.0000 | 82.153 | 0.27402 | 0.00000 | 602892.1 | 412976.0 | 0.0 | S |
| 102.050 | 0.0000 | 0.0000 | 82.153 | 0.27400 | 0.00000 | 602892.1 | 412984.3 | 0.0 | S |
| 102.058 | 0.0000 | 0.0000 | 82.153 | 0.27397 | 0.00000 | 602892.1 | 412992.5 | 0.0 | S |
| 102.067 | 0.0000 | 0.0000 | 82.153 | 0.27395 | 0.00000 | 602892.1 | 413000.7 | 0.0 | S |
| 102.075 | 0.0000 | 0.0000 | 82.152 | 0.27393 | 0.00000 | 602892.1 | 413008.9 | 0.0 | S |
| 102.083 | 0.0000 | 0.0000 | 82.152 | 0.27391 | 0.00000 | 602892.7 | 413017.1 | 0.0 | S |
| 102.092 | 0.0000 | 0.0000 | 82.152 | 0.27388 | 0.00000 | 602892.1 | 413025.3 | 0.0 | S |
| 102.100 | 0.0000 | 0.0000 | 82.152 | 0.27386 | 0.00000 | 602892.1 | 413033.5 | 0.0 | S |
| 102.108 | 0.0000 | 0.0000 | 82.152 | 0.27384 | 0.00000 | 602892.1 | 413041.8 | 0.0 | S |
| 102.117 | 0.0000 | 0.0000 | 82.152 | 0.27382 | 0.00000 | 602892.1 | 413050.0 | 0.0 | S |
| 102.125 | 0.0000 | 0.0000 | 82.152 | 0.27380 | 0.00000 | 602892.1 | 413058.2 | 0.0 | S |
| 102.133 | 0.0000 | 0.0000 | 82.152 | 0.27377 | 0.00000 | 602892.1 | 413066.4 | 0.0 | S |
| 102.142 | 0.0000 | 0.0000 | 82.151 | 0.27375 | 0.00000 | 602892.1 | 413074.6 | 0.0 | S |
| 102.150 | 0.0000 | 0.0000 | 82.151 | 0.27373 | 0.00000 | 602892.1 | 413082.8 | 0.0 | S |
| 102.158 | 0.0000 | 0.0000 | 82.151 | 0.27371 | 0.00000 | 602892.1 | 413091.0 | 0.0 | S |
| 102.167 | 0.0000 | 0.0000 | 82.151 | 0.27369 | 0.00000 | 602892.1 | 413099.3 | 0.0 | S |
| 102.175 | 0.0000 | 0.0000 | 82.151 | 0.27366 | 0.00000 | 602892.1 | 413107.5 | 0.0 | S |
| 102.183 | 0.0000 | 0.0000 | 82.151 | 0.27364 | 0.00000 | 602892.1 | 413115.7 | 0.0 | S |
| 102.192 | 0.0000 | 0.0000 | 82.151 | 0.27362 | 0.00000 | 602892.1 | 413123.9 | 0.0 | S |
| 102.200 | 0.0000 | 0.0000 | 82.150 | 0.27360 | 0.00000 | 602892.1 | 413132.1 | 0.0 | S |
| 102.208 | 0.0000 | 0.0000 | 82.150 | 0.27357 | 0.00000 | 602892.1 | 413140.3 | 0.0 | S |
| 102.217 | 0.0000 | 0.0000 | 82.150 | 0.27355 | 0.00000 | 602892.1 | 413148.5 | 0.0 | S |
| 102.225 | 0.0000 | 0.0000 | 82.150 | 0.27353 | 0.00000 | 602892.1 | 413156.7 | 0.0 | S |
| 102.233 | 0.0000 | 0.0000 | 82.150 | 0.27351 | 0.00000 | 602892.1 | 413164.9 | 0.0 | S |
| 102.242 | 0.0000 | 0.0000 | 82.150 | 0.27349 | 0.00000 | 602892.1 | 413173.1 | 0.0 | S |
| 102.250 | 0.0000 | 0.0000 | 82.150 | 0.27346 | 0.00000 | 602892.1 | 413181.3 | 0.0 | S |
| 102.258 | 0.0000 | 0.0000 | 82.149 | 0.27344 | 0.00000 | 602892.1 | 413189.5 | 0.0 | S |
| 102.267 | 0.0000 | 0.0000 | 82.149 | 0.27342 | 0.00000 | 602892.1 | 413197.7 | 0.0 | S |
| 102.275 | 0.0000 | 0.0000 | 82.149 | 0.27340 | 0.00000 | 602892.1 | 413205.9 | 0.0 | S |
| 102.283 | 0.0000 | 0.0000 | 82.149 | 0.27338 | 0.00000 | 602892.1 | 413214.1 | 0.0 | S |
| 102.292 | 0.0000 | 0.0000 | 82.149 | 0.27335 | 0.00000 | 602892.1 | 413222.3 | 0.0 | S |
| 102.300 | 0.0000 | 0.0000 | 82.149 | 0.27333 | 0.00000 | 602892.1 | 413230.5 | 0.0 | S |
| 102.308 | 0.0000 | 0.0000 | 82.149 | 0.27331 | 0.00000 | 602892.1 | 413238.7 | 0.0 | S |
| 102.317 | 0.0000 | 0.0000 | 82.148 | 0.27329 | 0.00000 | 602892.1 | 413246.9 | 0.0 | S |
| 102.325 | 0.0000 | 0.0000 | 82.148 | 0.27326 | 0.00000 | 602892.1 | 413255.1 | 0.0 | S |
| 102.333 | 0.0000 | 0.0000 | 82.148 | 0.27324 | 0.00000 | 602892.1 | 413263.3 | 0.0 | S |
| 102.342 | 0.0000 | 0.0000 | 82.148 | 0.27322 | 0.00000 | 602892.1 | 413271.5 | 0.0 | S |
| 102.350 | 0.0000 | 0.0000 | 82.148 | 0.27320 | 0.00000 | 602892.1 | 413279.7 | 0.0 | S |
| 102.358 | 0.0000 | 0.0000 | 82.148 | 0.27318 | 0.00000 | 602892.1 | 413287.9 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | inflow Rate ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (fl datum) | Infiltration Rate ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 102.367 | 0.0000 | 0.0000 | 82.148 | 0.27315 | 0.00000 | 602892.1 | 413296.1 | 0.0 | S |
| 102.375 | 0.0000 | 0.0000 | 82.147 | 0.27313 | 0.00000 | 602892.1 | 413304.3 | 0.0 | S |
| 102.383 | 0.0000 | 0.0000 | 82.147 | 0.27311 | 0.00000 | 602892.1 | 413312.5 | 0.0 | S |
| 102.392 | 0.0000 | 0.0000 | 82.147 | 0.27309 | 0.00000 | 602892.1 | 413320.7 | 0.0 | S |
| 102.400 | 0.0000 | 0.0000 | 82.147 | 0.27307 | 0.00000 | 602892.1 | 413328.9 | 0.0 | S |
| 102.408 | 0.0000 | 0.0000 | 82.147 | 0.27304 | 0.00000 | 602892.1 | 413337.1 | 0.0 | S |
| 102.417 | 0.0000 | 0.0000 | 82.147 | 0.27302 | 0.00000 | 602892.1 | 413345.3 | 0.0 | S |
| 102.425 | 0.0000 | 0.0000 | 82.147 | 0.27300 | 0.00000 | 602892.1 | 413353.5 | 0.0 | S |
| 102.433 | 0.0000 | 0.0000 | 82.146 | 0.27298 | 0.00000 | 602892.1 | 413361.7 | 0.0 | S |
| 102.442 | 0.0000 | 0.0000 | 82.146 | 0.27296 | 0.00000 | 602892.1 | 413369.8 | 0.0 | S |
| 102.450 | 0.0000 | 0.0000 | 82.146 | 0.27293 | 0.00000 | 602892.1 | 413378.0 | 0.0 | S |
| 102.458 | 0.0000 | 0.0000 | 82.146 | 0.27291 | 0.00000 | 602892.1 | 413386.2 | 0.0 | S |
| 102.467 | 0.0000 | 0.0000 | 82.146 | 0.27289 | 0.00000 | 602892.1 | 413394.4 | 0.0 | S |
| 102.475 | 0.0000 | 0.0000 | 82.146 | 0.27287 | 0.00000 | 602892.1 | 413402.6 | 0.0 | S |
| 102.483 | 0.0000 | 0.0000 | 82.146 | 0.27285 | 0.00000 | 602892.1 | 413410.8 | 0.0 | S |
| 102.492 | 0.0000 | 0.0000 | 82.145 | 0.27282 | 0.00000 | 602892.1 | 413419.0 | 0.0 | S |
| 102.500 | 0.0000 | 0.0000 | 82.145 | 0.27280 | 0.00000 | 602892.1 | 413427.1 | 0.0 | S |
| 102.508 | 0.0000 | 0.0000 | 82.145 | 0.27278 | 0.00000 | 602892.1 | 413435.3 | 0.0 | S |
| 102.517 | 0.0000 | 0.0000 | 82.145 | 0.27276 | 0.00000 | 602892.1 | 413443.5 | 0.0 | S |
| 102.525 | 0.0000 | 0.0000 | 82.145 | 0.27274 | 0.00000 | 602892.1 | 413451.7 | 0.0 | S |
| 102.533 | 0.0000 | 0.0000 | 82.145 | 0.27271 | 0.00000 | 602892.1 | 413459.9 | 0.0 | S |
| 102.542 | 0.0000 | 0.0000 | 82.145 | 0.27269 | 0.00000 | 602892.1 | 413468.1 | 0.0 | S |
| 102.550 | 0.0000 | 0.0000 | 82.144 | 0.27267 | 0.00000 | 602892.1 | 413476.2 | 0.0 | S |
| 102.558 | 0.0000 | 0.0000 | 82.144 | 0.27265 | 0.00000 | 602892.1 | 413484.4 | 0.0 | S |
| 102.567 | 0.0000 | 0.0000 | 82.144 | 0.27263 | 0.00000 | 602892.1 | 413492.6 | 0.0 | S |
| 102.575 | 0.0000 | 0.0000 | 82.144 | 0.27260 | 0.00000 | 602892.1 | 413500.8 | 0.0 | S |
| 102.583 | 0.0000 | 0.0000 | 82.144 | 0.27258 | 0.00000 | 602892.1 | 413508.9 | 0.0 | S |
| 102.592 | 0.0000 | 0.0000 | 82.144 | 0.27256 | 0.00000 | 602892.1 | 413517.1 | 0.0 | S |
| 102.600 | 0.0000 | 0.0000 | 82.144 | 0.27254 | 0.00000 | 602892.1 | 413525.3 | 0.0 | S |
| 102.608 | 0.0000 | 0.0000 | 82.143 | 0.27252 | 0.00000 | 602892.1 | 413533.5 | 0.0 | S |
| 102.617 | 0.0000 | 0.0000 | 82.143 | 0.27249 | 0.00000 | 602892.1 | 413541.7 | 0.0 | S |
| 102.625 | 0.0000 | 0.0000 | 82.143 | 0.27247 | 0.00000 | 602892.1 | 413549.8 | 0.0 | S |
| 102.633 | 0.0000 | 0.0000 | 82.143 | 0.27245 | 0.00000 | 602892.1 | 413558.0 | 0.0 | S |
| 102.642 | 0.0000 | 0.0000 | 82.143 | 0.27243 | 0.00000 | 602892.1 | 413566.2 | 0.0 | S |
| 102.650 | 0.0000 | 0.0000 | 82.143 | 0.27241 | 0.00000 | 602892.1 | 413574.3 | 0.0 | S |
| 102.658 | 0.0000 | 0.0000 | 82.143 | 0.27238 | 0.00000 | 602892.1 | 413582.5 | 0.0 | S |
| 102.667 | 0.0000 | 0.0000 | 82.143 | 0.27236 | 0.00000 | 602892.1 | 413590.7 | 0.0 | S |
| $\$ 02.675$ | 0.0000 | 0.0000 | 82.142 | 0.27234 | 0.00000 | 602892.1 | 413598.8 | 0.0 | S |
| 102.683 | 0.0000 | 0.0000 | 82.142 | 0.27232 | 0.00000 | 602892.1 | 413607.0 | 0.0 | S |
| 102.692 | 0.0000 | 0.0000 | 82.142 | 0.27230 | 0.00000 | 602892.1 | 413615.2 | 0.0 | S |
| 102.700 | 0.0000 | 0.0000 | 82.142 | 0.27227 | 0.00000 | 602892.1 | 413623.4 | 0.0 | S |
| 102.708 | 0.0000 | 0.0000 | 82.142 | 0.27225 | 0.00000 | 602892.1 | 413631.5 | 0.0 | S |
| 102.717 | 0.0000 | 0.0000 | 82.142 | 0.27223 | 0.00000 | 602892.1 | 413639.7 | 0.0 | S |
| 102.725 | 0.0000 | 0.0000 | 82.142 | 0.27221 | 0.00000 | 602892.1 | 413647.9 | 0.0 | S |
| 102.733 | 0.0000 | 0.0000 | 82.141 | 0.27219 | 0.00000 | 602892.1 | 413656.0 | 0.0 | S |
| 102.742 | 0.0000 | 0.0000 | 82.141 | 0.27216 | 0.00000 | 602892.1 | 413664.2 | 0.0 | S |
| 102.750 | 0.0000 | 0.0000 | 82.141 | 0.27214 | 0.00000 | 602892.1 | 413672.4 | 0.0 | S |
| 102.758 | 0.0000 | 0.0000 | 82.141 | 0.27212 | 0.00000 | 602892.1 | 413680.5 | 0.0 | S |
| 102.767 | 0.0000 | 0.0000 | 82.141 | 0.27210 | 0.00000 | 602892.1 | 413688.7 | 0.0 | S |
| 102.775 | 0.0000 | 0.0000 | 82.141 | 0.27208 | 0.00000 | 602892.1 | 413696.8 | 0.0 | S |
| 102.783 | 0.0000 | 0.0000 | 82.141 | 0.27205 | 0.00000 | 602892.1 | 413705.0 | 0.0 | S |
| 102.792 | 0.0000 | 0.0000 | 82.140 | 0.27203 | 0.00000 | 602892.1 | 413713.2 | 0.0 | S |
| 102.800 | 0.0000 | 0.0000 | 82.140 | 0.27201 | 0.00000 | 602892.1 | 413721.3 | 0.0 | S |
| 102.808 | 0.0000 | 0.0000 | 82.140 | 0.27199 | 0.00000 | 602892.1 | 413729.5 | 0.0 | S |
| 102.817 | 0.0000 | 0.0000 | 82.140 | 0.27197 | 0.00000 | 602892.1 | 413737.7 | 0.0 | S |
| 102.825 | 0.0000 | 0.0000 | 82.140 | 0.27195 | 0.00000 | 602892.1 | 413745.8 | 0.0 | S |
| 102.833 | 0.0000 | 0.0000 | 82.140 | 0.27192 | 0.00000 | 602892.1 | 413754.0 | 0.0 | S |
| 102.842 | 0.0000 | 0.0000 | 82.140 | 0.27190 | 0.00000 | 602892.1 | 413762.1 | 0.0 | S |
| 102.850 | 0.0000 | 0.0000 | 82.139 | 0.27188 | 0.00000 | 602892.1 | 413770.3 | 0.0 | S |
| 102.858 | 0.0000 | 0.0000 | 82.139 | 0.27186 | 0.00000 | 602892.1 | 413778.4 | 0.0 | S |
| 102.867 | 0.0000 | 0.0000 | 82.139 | 0.27184 | 0.00000 | 602892.1 | 413786.6 | 0.0 | S |
| 102.875 | 0.0000 | 0.0000 | 82.139 | 0.27181 | 0.00000 | 602892.1 | 413794.8 | 0.0 | S |
| 102.883 | 0.0000 | 0.0000 | 82.139 | 0.27179 | 0.00000 | 602892.1 | 413802.9 | 0.0 | S |
| 102.892 | 0.0000 | 0.0000 | 82.139 | 0.27177 | 0.00000 | 602892.1 | 413811.1 | 0.0 | S |
| 102.900 | 0.0000 | 0.0000 | 82.139 | 0.27175 | 0.00000 | 602892.1 | 413819.2 | 0.0 | S |
| 102.908 | 0.0000 | 0.0000 | 82.138 | 0.27173 | 0.00000 | 602892.1 | 413827.4 | 0.0 | S |
| 102.917 | 0.0000 | 0.0000 | 82.138 | 0.27170 | 0.00000 | 602892.1 | 413835.5 | 0.0 | S |
| 102.925 | 0.0000 | 0.0000 | 82.138 | 0.27168 | 0.00000 | 602892.1 | 413843.7 | 0.0 | S |
| 102.933 | 0.0000 | 0.0000 | 82.138 | 0.27166 | 0.00000 | 602892.1 | 413851.8 | 0.0 | S |
| 102.942 | 0.0000 | 0.0000 | 82.138 | 0.27164 | 0.00000 | 602892.1 | 413860.0 | 0.0 | S |
| 102.950 | 0.0000 | 0.0000 | 82.138 | 0.27162 | 0.00000 | 602892.1 | 413868.1 | 0.0 | S |
| 102.958 | 0.0000 | 0.0000 | 82.138 | 0.27160 | 0.00000 | 602892.1 | 413876.3 | 0.0 | S |
| 102.967 | 0.0000 | 0.0000 | 82.137 | 0.27157 | 0.00000 | 602892.1 | 413884.4 | 0.0 | S |
| 102.975 | 0.0000 | 0.0000 | 82.137 | 0.27155 | 0.00000 | 602892.1 | 413892.6 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{H}^{3 / 3}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{t}^{3 / 3} \mathrm{~s}$ ) | Cumulative mflow <br> Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 102.983 | 0.0000 | 0.0000 | 82.137 | 0.27153 | 0.00000 | 602892.1 | 413900.7 | 0.0 | S |
| 102.992 | 0.0000 | 0.0000 | 82.137 | 0.27151 | 0.00000 | 602892.1 | 413908.8 | 0.0 | S |
| 103.000 | 0.0000 | 0.0000 | 82.137 | 0.27149 | 0.00000 | 602892.1 | 413917.0 | 0.0 | S |
| 103.008 | 0.0000 | 0.0000 | 82.137 | 0.27146 | 0.00000 | 602892.1 | 413925.2 | 0.0 | S |
| 103.017 | 0.0000 | 0.0000 | 82.137 | 0.27144 | 0.00000 | 602892.1 | 413933.3 | 0.0 | S |
| 103.025 | 0.0000 | 0.0000 | 82.136 | 0.27142 | 0.00000 | 602892.1 | 413941.4 | 0.0 | S |
| 103.033 | 0.0000 | 0.0000 | 82.136 | 0.27140 | 0.00000 | 602892.1 | 413949.6 | 0.0 | S |
| 103.042 | 0.0000 | 0.0000 | 82.136 | 0.27138 | 0.00000 | 602892.1 | 413957.7 | 0.0 | S |
| 103.050 | 0.0000 | 0.0000 | 82.136 | 0.27136 | 0.00000 | 602892.1 | 413965.8 | 0.0 | S |
| 103.058 | 0.0000 | 0.0000 | 82.136 | 0.27133 | 0.00000 | 602892.1 | 413974.0 | 0.0 | S |
| 103.067 | 0.0000 | 0.0000 | 82.136 | 0.27131 | 0.00000 | 602892.1 | 413982.1 | 0.0 | S |
| 103.075 | 0.0000 | 0.0000 | 82.136 | 0.27129 | 0.00000 | 602892.1 | 413990.3 | 0.0 | S |
| 103.083 | 0.0000 | 0.0000 | 82.136 | 0.27127 | 0.00000 | 602892.1 | 413998.4 | 0.0 | S |
| 103.092 | 0.0000 | 0.0000 | 82.135 | 0.27125 | 0.00000 | 602892.1 | 414006.6 | 0.0 | S |
| 103.100 | 0.0000 | 0.0000 | 82.135 | 0.27122 | 0.00000 | 602892.1 | 414014.7 | 0.0 | S |
| 103.108 | 0.0000 | 0.0000 | 82.135 | 0.27120 | 0.00000 | 602892.1 | 414022.8 | 0.0 | S |
| 103.117 | 0.0000 | 0.0000 | 82.135 | 0.27118 | 0.00000 | 602892.1 | 414031.0 | 0.0 | S |
| 103.125 | 0.0000 | 0.0000 | 82.135 | 0.27116 | 0.00000 | 602892.1 | 414039.1 | 0.0 | S |
| 103.133 | 0.0000 | 0.0000 | 82.135 | 0.27114 | 0.00000 | 602892.1 | 414047.2 | 0.0 | S |
| 103.142 | 0.0000 | 0.0000 | 82.135 | 0.27112 | 0.00000 | 602892.1 | 414055.4 | 0.0 | S |
| 103.150 | 0.0000 | 0.0000 | 82.134 | 0.27109 | 0.00000 | 602892.1 | 414063.5 | 0.0 | S |
| 103.158 | 0.0000 | 0.0000 | 82.134 | 0.27107 | 0.00000 | 602892.1 | 414071.6 | 0.0 | S |
| 103.167 | 0.0000 | 0.0000 | 82.134 | 0.27105 | 0.00000 | 602892.1 | 414079.8 | 0.0 | S |
| 103.175 | 0.0000 | 0.0000 | 82.134 | 0.27103 | 0.00000 | 602892.1 | 414087.9 | 0.0 | S |
| 103.183 | 0.0000 | 0.0000 | 82.134 | 0.27101 | 0.00000 | 602892.1 | 414096.0 | 0.0 | S |
| 103.192 | 0.0000 | 0.0000 | 82.134 | 0.27099 | 0.00000 | 602892.1 | 414104.2 | 0.0 | S |
| 103.200 | 0.0000 | 0.0000 | 82.134 | 0.27096 | 0.00000 | 602892.1 | 414112.3 | 0.0 | S |
| 103.208 | 0.0000 | 0.0000 | 82.133 | 0.27094 | 0.00000 | 602892.1 | 414120.4 | 0.0 | S |
| 103.217 | 0.0000 | 0.0000 | 82.133 | 0.27092 | 0.00000 | 602892.1 | 414128.5 | 0.0 | S |
| 103.225 | 0.0000 | 0.0000 | 82.133 | 0.27090 | 0.00000 | 602892.1 | 414136.7 | 0.0 | S |
| 103.233 | 0.0000 | 0.0000 | 82.133 | 0.27088 | 0.00000 | 602892.1 | 414144.8 | 0.0 | S |
| 103.242 | 0.0000 | 0.0000 | 82.133 | 0.27086 | 0.00000 | 602892.1 | 414152.9 | 0.0 | S |
| 103.250 | 0.0000 | 0.0000 | 82.133 | 0.27083 | 0.00000 | 602892.1 | 414161.0 | 0.0 | S |
| 103.258 | 0.0000 | 0.0000 | 82.133 | 0.27081 | 0.00000 | 602892.1 | 414169.2 | 0.0 | S |
| 103.267 | 0.0000 | 0.0000 | 82.132 | 0.27079 | 0.00000 | 602892.1 | 414177.3 | 0.0 | S |
| 103.275 | 0.0000 | 0.0000 | 82.132 | 0.27077 | 0.00000 | 602892.1 | 414185.4 | 0.0 | S |
| 103.283 | 0.0000 | 0.0000 | 82.132 | 0.27075 | 0.00000 | 602892.1 | 414193.5 | 0.0 | S |
| 103.292 | 0.0000 | 0.0000 | 82.132 | 0.27072 | 0.00000 | 602892.7 | 414201.7 | 0.0 | S |
| 103.300 | 0.0000 | 0.0000 | 82.132 | 0.27070 | 0.00000 | 602892.1 | 414209.8 | 0.0 | S |
| 103.308 | 0.0000 | 0.0000 | 82.132 | 0.27068 | 0.00000 | 602892.1 | 414217.9 | 0.0 | S |
| 103.317 | 0.0000 | 0.0000 | 82.132 | 0.27066 | 0.00000 | 602892.1 | 414226.0 | 0.0 | S |
| 103.325 | 0.0000 | 0.0000 | 82.131 | 0.27064 | 0.00000 | 602892.1 | 414234.1 | 0.0 | S |
| 103.333 | 0.0000 | 0.0000 | 82.131 | 0.27062 | 0.00000 | 602892.1 | 414242.3 | 0.0 | S |
| 103.342 | 0.0000 | 0.0000 | 82.131 | 0.27059 | 0.00000 | 602892.1 | 414250.4 | 0.0 | S |
| 103.350 | 0.0000 | 0.0000 | 82.131 | 0.27057 | 0.00000 | 602892.1 | 414258.5 | 0.0 | S |
| 103.358 | 0.0000 | 0.0000 | 82.131 | 0.27055 | 0.00000 | 602892.1 | 414266.6 | 0.0 | S |
| 103.367 | 0.0000 | 0.0000 | 82.131 | 0.27053 | 0.00000 | 602892.1 | 414274.7 | 0.0 | S |
| 103.375 | 0.0000 | 0.0000 | 82.131 | 0.27051 | 0.00000 | 602892.1 | 414282.8 | 0.0 | S |
| 103.383 | 0.0000 | 0.0000 | 82.130 | 0.27049 | 0.00000 | 602892.1 | 414291.0 | 0.0 | S |
| 103.392 | 0.0000 | 0.0000 | 82.130 | 0.27046 | 0.00000 | 602892.1 | 414299.1 | 0.0 | S |
| 103.400 | 0.0000 | 0.0000 | 82.130 | 0.27044 | 0.00000 | 602892.1 | 414307.2 | 0.0 | S |
| 103.408 | 0.0000 | 0.0000 | 82.130 | 0.27042 | 0.00000 | 602892.1 | 414315.3 | 0.0 | S |
| 103.417 | 0.0000 | 0.0000 | 82.130 | 0.27040 | 0.00000 | 602892.1 | 414323.4 | 0.0 | S |
| 103.425 | 0.0000 | 0.0000 | 82.130 | 0.27038 | 0.00000 | 602892.1 | 414331.5 | 0.0 | S |
| 103.433 | 0.0000 | 0.0000 | 82.130 | 0.27036 | 0.00000 | 602892.1 | 414339.6 | 0.0 | S |
| 103.442 | 0.0000 | 0.0000 | 82.130 | 0.27033 | 0.00000 | 602892.1 | 414347.8 | 0.0 | S |
| 103.450 | 0.0000 | 0.0000 | 82.129 | 0.27031 | 0.00000 | 602892.1 | 414355.8 | 0.0 | S |
| 103.458 | 0.0000 | 0.0000 | 82.129 | 0.27029 | 0.00000 | 602892.1 | 414364.0 | 0.0 | S |
| 103.467 | 0.0000 | 0.0000 | 82.129 | 0.27027 | 0.00000 | 602892.1 | 414372.1 | 0.0 | S |
| 103.475 | 0.0000 | 0.0000 | 82.129 | 0.27025 | 0.00000 | 602892.1 | 414380.2 | 0.0 | S |
| 103.483 | 0.0000 | 0.0000 | 82.129 | 0.27023 | 0.00000 | 602892.1 | 414388.3 | 0.0 | S |
| 103.492 | 0.0000 | 0.0000 | 82.129 | 0.27021 | 0.00000 | 602892.1 | 414396.4 | 0.0 | S |
| 103.500 | 0.0000 | 0.0000 | 82.129 | 0.27018 | 0.00000 | 602892.1 | 414404.5 | 0.0 | S |
| 103.508 | 0.0000 | 0.0000 | 82.128 | 0.27016 | 0.00000 | 602892.1 | 414412.6 | 0.0 | S |
| 103.517 | 0.0000 | 0.0000 | 82.128 | 0.27014 | 0.00000 | 602892.1 | 414420.7 | 0.0 | S |
| 103.525 | 0.0000 | 0.0000 | 82.128 | 0.27012 | 0.00000 | 602892.1 | 414428.8 | 0.0 | S |
| 103.533 | 0.0000 | 0.0000 | 82.128 | 0.27010 | 0.00000 | 602892.1 | 414436.9 | 0.0 | S |
| 103.542 | 0.0000 | 0.0000 | 82.128 | 0.27008 | 0.00000 | 602892.1 | 414445.0 | 0.0 | S |
| 103.550 | 0.0000 | 0.0000 | 82.128 | 0.27005 | 0.00000 | 602892.1 | 414453.1 | 0.0 | S |
| 103.558 | 0.0000 | 0.0000 | 82.128 | 0.27003 | 0.00000 | 602892.1 | 414461.2 | 0.0 | S |
| 103.567 | 0.0000 | 0.0000 | 82.127 | 0.27001 | 0.00000 | 602892.1 | 414469.3 | 0.0 | S |
| 103.575 | 0.0000 | 0.0000 | 82.127 | 0.26999 | 0.00000 | 602892.1 | 414477.4 | 0.0 | S |
| 103.583 | 0.0000 | 0.0000 | 82.127 | 0.26997 | 0.00000 | 602892.1 | 414485.5 | 0.0 | S |
| 103.592 | 0.0000 | 0.0000 | 82.127 | 0.26995 | 0.00000 | 602892.1 | 414493.6 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (fidday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{fl}^{3 / 5}$ ) | Overlow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 103.600 | 0.0000 | 0.0000 | 82.127 | 0.26992 | 0.00000 | 602892.1 | 414501.7 | 0.0 | S |
| 103.608 | 0.0000 | 0.0000 | 82.127 | 0.26990 | 0.00000 | 602892.1 | 414509.8 | 0.0 | S |
| 103.617 | 0.0000 | 0.0000 | 82.127 | 0.26988 | 0.00000 | 602892.1 | 414517.9 | 0.0 | S |
| 103.625 | 0.0000 | 0.0000 | 82.126 | 0.26986 | 0.00000 | 602892.1 | 414526.0 | 0.0 | S |
| 103.633 | 0.0000 | 0.0000 | 82.126 | 0.26984 | 0.00000 | 602892.1 | 414534.1 | 0.0 | S |
| 103.642 | 0.0000 | 0.0000 | 82.126 | 0.26982 | 0.00000 | 602892.1 | 414542.2 | 0.0 | S |
| 103.650 | 0.0000 | 0.0000 | 82.126 | 0.26979 | 0.00000 | 602892.1 | 414550.3 | 0.0 | S |
| 103.658 | 0.0000 | 0.0000 | 82.126 | 0.26977 | 0.00000 | 602892.1 | 414558.4 | 0.0 | S |
| 103.667 | 0.0000 | 0.0000 | 82.126 | 0.26975 | 0.00000 | 602892.1 | 414566.5 | 0.0 | S |
| 103.675 | 0.0000 | 0.0000 | 82.126 | 0.26973 | 0.00000 | 602892.1 | 414574.6 | 0.0 | S |
| 103.683 | 0.0000 | 0.0000 | 82.125 | 0.26971 | 0.00000 | 602892.1 | 414582.7 | 0.0 | S |
| 103.692 | 0.0000 | 0.0000 | 82.125 | 0.26969 | 0.00000 | 602892.1 | 414590.8 | 0.0 | S |
| 103.700 | 0.0000 | 0.0000 | 82.125 | 0.26967 | 0.00000 | 602892.1 | 414598.8 | 0.0 | S |
| 103.708 | 0.0000 | 0.0000 | 82.125 | 0.26964 | 0.00000 | 602892.1 | 414606.9 | 0.0 | S |
| 103.717 | 0.0000 | 0.0000 | 82.125 | 0.26962 | 0.00000 | 602892.1 | 414615.0 | 0.0 | S |
| 103.725 | 0.0000 | 0.0000 | 82.125 | 0.26960 | 0.00000 | 602892.1 | 414623.1 | 0.0 | S |
| 103.733 | 0.0000 | 0.0000 | 82,125 | 0.26958 | 0.00000 | 602892.1 | 414631.2 | 0.0 | S |
| 103.742 | 0.0000 | 0.0000 | 82.125 | 0.26956 | 0.00000 | 602892.1 | 414639.3 | 0.0 | S |
| 103.750 | 0.0000 | 0.0000 | 82.124 | 0.26954 | 0.00000 | 602892.1 | 414647.4 | 0.0 | S |
| 103.758 | 0.0000 | 0.0000 | 82.124 | 0.26952 | 0.00000 | 602892.1 | 414655.5 | 0.0 | S |
| 103.767 | 0.0000 | 0.0000 | 82.124 | 0.26949 | 0.00000 | 602892.1 | 414663.5 | 0.0 | S |
| 103.775 | 0.0000 | 0.0000 | 82.124 | 0.26947 | 0.00000 | 602892.1 | 414671.6 | 0.0 | S |
| 103.783 | 0.0000 | 0.0000 | 82.124 | 0.26945 | 0.00000 | 602892.1 | 414679.7 | 0.0 | S |
| 103.792 | 0.0000 | 0.0000 | 82.124 | 0.26943 | 0.00000 | 602892.1 | 414687.8 | 0.0 | S |
| 103.800 | 0.0000 | 0.0000 | 82.124 | 0.26941 | 0.00000 | 602892.1 | 414695.9 | 0.0 | S |
| 103.808 | 0.0000 | 0.0000 | 82.123 | 0.26939 | 0.00000 | 602892.1 | 414704.0 | 0.0 | S |
| 103.817 | 0.0000 | 0.0000 | 82.123 | 0.26936 | 0.00000 | 602892.1 | 414712.0 | 0.0 | S |
| 103.825 | 0.0000 | 0.0000 | 82.123 | 0.26934 | 0.00000 | 602892.1 | 414720.1 | 0.0 | S |
| 103.833 | 0.0000 | 0.0000 | 82.123 | 0.26932 | 0.00000 | 602892.1 | 414728.2 | 0.0 | S |
| 103.842 | 0.0000 | 0.0000 | 82.123 | 0.26930 | 0.00000 | 602892.1 | 414736.3 | 0.0 | S |
| 103.850 | 0.0000 | 0.0000 | 82.123 | 0.26928 | 0.00000 | 602892.1 | 414744.3 | 0.0 | S |
| 103.858 | 0.0000 | 0.0000 | 82.123 | 0.26926 | 0.00000 | 602892.1 | 414752.4 | 0.0 | S |
| 103.867 | 0.0000 | 0.0000 | 82.122 | 0.26924 | 0.00000 | 602892.1 | 414760.5 | 0.0 | S |
| 103.875 | 0.0000 | 0.0000 | 82.122 | 0.26921 | 0.00000 | 602892.1 | 414768.6 | 0.0 | S |
| 103.883 | 0.0000 | 0.0000 | 82.122 | 0.26919 | 0.00000 | 602892.1 | 414776.7 | 0.0 | S |
| 103.892 | 0.0000 | 0.0000 | 82.122 | 0.26917 | 0.00000 | 602892.1 | 414784.8 | 0.0 | S |
| 103.900 | 0.0000 | 0.0000 | 82.122 | 0.26915 | 0.00000 | 602892.1 | 414792.8 | 0.0 | S |
| 103.908 | 0.0000 | 0.0000 | 82.122 | 0.26913 | 0.00000 | 602892.1 | 414800.9 | 0.0 | S |
| 103.917 | 0.0000 | 0.0000 | 82.122 | 0.26911 | 0.00000 | 602892.1 | 414809.0 | 0.0 | S |
| 103.925 | 0.0000 | 0.0000 | 82.121 | 0.26909 | 0.00000 | 602892.1 | 414817.0 | 0.0 | S |
| 103.933 | 0.0000 | 0.0000 | 82.121 | 0.26906 | 0.00000 | 602892.1 | 414825.1 | 0.0 | S |
| 103.942 | 0.0000 | 0.0000 | 82.121 | 0.26904 | 0.00000 | 602892.1 | 414833.2 | 0.0 | S |
| 103.950 | 0.0000 | 0.0000 | 82.121 | 0.26902 | 0.00000 | 602892.1 | 414841.3 | 0.0 | S |
| 103.958 | 0.0000 | 0.0000 | 82.121 | 0.26900 | 0.00000 | 602892.1 | 414849.3 | 0.0 | S |
| 103.967 | 0.0000 | 0.0000 | 82.121 | 0.26898 | 0.00000 | 602892.1 | 414857.4 | 0.0 | S |
| 103.975 | 0.0000 | 0.0000 | 82.121 | 0.26896 | 0.00000 | 602892.1 | 414865.5 | 0.0 | S |
| 103.983 | 0.0000 | 0.0000 | 82.120 | 0.26894 | 0.00000 | 602892.1 | 414873.5 | 0.0 | S |
| 103.992 | 0.0000 | 0.0000 | 82.120 | 0.26891 | 0.00000 | 602892.1 | 414881.6 | 0.0 | S |
| 104.000 | 0.0000 | 0.0000 | 82.120 | 0.26889 | 0.00000 | 602892.1 | 414889.7 | 0.0 | S |
| 104.008 | 0.0000 | 0.0000 | 82.120 | 0.26887 | 0.00000 | 602892.1 | 414897.7 | 0.0 | S |
| 104.017 | 0.0000 | 0.0000 | 82.120 | 0.26885 | 0.00000 | 602892.1 | 414905.8 | 0.0 | S |
| 104.025 | 0.0000 | 0.0000 | 82.120 | 0.26883 | 0.00000 | 602892.1 | 414913.9 | 0.0 | S |
| 104.033 | 0.0000 | 0.0000 | 82.120 | 0.26881 | 0.00000 | 602892.1 | 414921.9 | 0.0 | S |
| 104.042 | 0.0000 | 0.0000 | 82.120 | 0.26879 | 0.00000 | 602892.1 | 414930.0 | 0.0 | S |
| 104.050 | 0.0000 | 0.0000 | 82.119 | 0.26876 | 0.00000 | 602892.1 | 414938.1 | 0.0 | S |
| 104.058 | 0.0000 | 0.0000 | 82.119 | 0.26874 | 0.00000 | 602892.1 | 414946.1 | 0.0 | S |
| 104.067 | 0.0000 | 0.0000 | 82.119 | 0.26872 | 0.00000 | 602892.1 | 414954.2 | 0.0 | S |
| 104.075 | 0.0000 | 0.0000 | 82.119 | 0.26870 | 0.00000 | 602892.1 | 414962.3 | 0.0 | S |
| 104.083 | 0.0000 | 0.0000 | 82.119 | 0.26868 | 0.00000 | 602892.1 | 414970.3 | 0.0 | S |
| 104.092 | 0.0000 | 0.0000 | 82.119 | 0.26866 | 0.00000 | 602892.1 | 414978.4 | 0.0 | S |
| 104.100 | 0.0000 | 0.0000 | 82.119 | 0.26864 | 0.00000 | 602892.1 | 414986.4 | 0.0 | S |
| 104.108 | 0.0000 | 0.0000 | 82.118 | 0.26861 | 0.00000 | 602892.1 | 414994.5 | 0.0 | S |
| 104.117 | 0.0000 | 0.0000 | 82.118 | 0.26859 | 0.00000 | 602892.1 | 415002.5 | 0.0 | S |
| 104.125 | 0.0000 | 0.0000 | 82.118 | 0.26857 | 0.00000 | 602892.1 | 415010.6 | 0.0 | S |
| 104.133 | 0.0000 | 0.0000 | 82.118 | 0.26855 | 0.00000 | 602892.1 | 415018.7 | 0.0 | S |
| 104.142 | 0.0000 | 0.0000 | 82.118 | 0.26853 | 0.00000 | 602892.1 | 415026.7 | 0.0 | S |
| 104.150 | 0.0000 | 0.0000 | 82.118 | 0.26851 | 0.00000 | 602892.1 | 415034.8 | 0.0 | S |
| 104.158 | 0.0000 | 0.0000 | 82.118 | 0.26849 | 0.00000 | 602892.1 | 415042.8 | 0.0 | S |
| 104.167 | 0.0000 | 0.0000 | 82.117 | 0.26847 | 0.00000 | 602892.1 | 415050.9 | 0.0 | S |
| 104.175 | 0.0000 | 0.0000 | 82.117 | 0.26844 | 0.00000 | 602892.1 | 415058.9 | 0.0 | S |
| 104.183 | 0.0000 | 0.0000 | 82.117 | 0.26842 | 0.00000 | 602892.1 | 415067.0 | 0.0 | S |
| 104.192 | 0.0000 | 0.0000 | 82.117 | 0.26840 | 0.00000 | 602892.1 | 415075.0 | 0.0 | S |
| 104.200 | 0.0000 | 0.0000 | 82.117 | 0.26838 | 0.00000 | 602892.1 | 415083.1 | 0.0 | S |
| 104.208 | 0.0000 | 0.0000 | 82.117 | 0.26836 | 0.00000 | 602892.1 | 415091.1 | 0.0 | S |

PONDS Version 3.2.0207

# Retention Pond Recovery - Refined Method Copyright 2003 

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft} 3 / \mathrm{s}$ ) | Overfiow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 104.217 | 0.0000 | 0.0000 | 82.117 | 0.26834 | 0.00000 | 602892.1 | 415099.2 | 0.0 | S |
| 104.225 | 0.0000 | 0.0000 | 82.116 | 0.26832 | 0.00000 | 602892.1 | 415107.2 | 0.0 | S |
| 104.233 | 0.0000 | 0.0000 | 82.116 | 0.26829 | 0.00000 | 602892.1 | 415115.3 | 0.0 | S |
| 104.242 | 0.0000 | 0.0000 | 82.116 | 0.26827 | 0.00000 | 602892.1 | 415123.3 | 0.0 | S |
| 104.250 | 0.0000 | 0.0000 | 82.116 | 0.26825 | 0.00000 | 602892.1 | 415131.4 | 0.0 | S |
| 104.258 | 0.0000 | 0.0000 | 82.116 | 0.26823 | 0.00000 | 602892.1 | 415139.4 | 0.0 | S |
| 104.267 | 0.0000 | 0.0000 | 82.116 | 0.26821 | 0.00000 | 602892.1 | 415147.5 | 0.0 | S |
| 104.275 | 0.0000 | 0.0000 | 82.116 | 0.26819 | 0.00000 | 602892.1 | 415155.5 | 0.0 | S |
| 104.283 | 0.0000 | 0.0000 | 82.115 | 0.26817 | 0.00000 | 602892.1 | 415163.6 | 0.0 | S |
| 104.292 | 0.0000 | 0.0000 | 82.115 | 0.26815 | 0.00000 | 602892.1 | 415171.6 | 0.0 | S |
| 104.300 | 0.0000 | 0.0000 | 82.115 | 0.26812 | 0.00000 | 602892.1 | 415179.7 | 0.0 | S |
| 104.308 | 0.0000 | 0.0000 | 82.115 | 0.26810 | 0.00000 | 602892.1 | 415187.7 | 0.0 | S |
| 104.317 | 0.0000 | 0.0000 | 82.115 | 0.26808 | 0.00000 | 602892.1 | 415195.8 | 0.0 | S |
| 104.325 | 0.0000 | 0.0000 | 82.115 | 0.26806 | 0.00000 | 602892.1 | 415203.8 | 0.0 | S |
| 104.333 | 0.0000 | 0.0000 | 82.115 | 0.26804 | 0.00000 | 602892.1 | 415211.8 | 0.0 | S |
| 104.342 | 0.0000 | 0.0000 | 82.115 | 0.26802 | 0.00000 | 602892.1 | 415219.9 | 0.0 | S |
| 104.350 | 0.0000 | 0.0000 | 82.114 | 0.26800 | 0.00000 | 602892.1 | 415227.9 | 0.0 | S |
| 104.358 | 0.0000 | 0.0000 | 82.114 | 0.26797 | 0.00000 | 602892.1 | 415235.9 | 0.0 | S |
| 104.367 | 0.0000 | 0.0000 | 82.114 | 0.26795 | 0.00000 | 602892.1 | 415244.0 | 0.0 | S |
| 104.375 | 0.0000 | 0.0000 | 82.114 | 0.26793 | 0.00000 | 602892.1 | 415252.0 | 0.0 | S |
| 104.383 | 0.0000 | 0.0000 | 82.114 | 0.26791 | 0.00000 | 602892.1 | 415260.1 | 0.0 | S |
| 104.392 | 0.0000 | 0.0000 | 82.114 | 0.26789 | 0.00000 | 602892.1 | 415268.1 | 0.0 | S |
| 104.400 | 0.0000 | 0.0000 | 82.114 | 0.26787 | 0.00000 | 602892.1 | 415276.1 | 0.0 | S |
| 104.408 | 0.0000 | 0.0000 | 82.113 | 0.26785 | 0.00000 | 602892.1 | 415284.2 | 0.0 | S |
| 104.417 | 0.0000 | 0.0000 | 82.113 | 0.26783 | 0.00000 | 602892.1 | 415292.2 | 0.0 | S |
| 104.425 | 0.0000 | 0.0000 | 82.113 | 0.26780 | 0.00000 | 602892.1 | 415300.3 | 0.0 | S |
| 104.433 | 0.0000 | 0.0000 | 82.113 | 0.26778 | 0.00000 | 602892.1 | 415308.3 | 0.0 | S |
| 104.442 | 0.0000 | 0.0000 | 82.113 | 0.26776 | 0.00000 | 602892.1 | 415316.3 | 0.0 | S |
| 104.450 | 0.0000 | 0.0000 | 82.113 | 0.26774 | 0.00000 | 602892.1 | 415324.3 | 0.0 | S |
| 104.458 | 0.0000 | 0.0000 | 82.113 | 0.26772 | 0.00000 | 602892.1 | 415332.4 | 0.0 | S |
| 104.467 | 0.0000 | 0.0000 | 82.112 | 0.26770 | 0.00000 | 602892.1 | 415340.4 | 0.0 | S |
| 104.475 | 0.0000 | 0.0000 | 82.112 | 0.26768 | 0.00000 | 602892.1 | 415348.4 | 0.0 | S |
| 104.483 | 0.0000 | 0.0000 | 82.112 | 0.26766 | 0.00000 | 602892.1 | 415356.5 | 0.0 | S |
| 104.492 | 0.0000 | 0.0000 | 82.112 | 0.26764 | 0.00000 | 602892.1 | 415364.5 | 0.0 | S |
| 104.500 | 0.0000 | 0.0000 | 82.112 | 0.26761 | 0.00000 | 602892.1 | 415372.5 | 0.0 | S |
| 104.508 | 0.0000 | 0.0000 | 82.112 | 0.26759 | 0.00000 | 602892.1 | 415380.5 | 0.0 | S |
| 104.517 | 0.0000 | 0.0000 | 82.112 | 0.26757 | 0.00000 | 602892.1 | 415388.6 | 0.0 | S |
| 104.525 | 0.0000 | 0.0000 | 82.111 | 0.26755 | 0.00000 | 602892.1 | 415396.6 | 0.0 | S |
| 104.533 | 0.0000 | 0.0000 | 82.111 | 0.26753 | 0.00000 | 602892.1 | 415404.6 | 0.0 | S |
| 104.542 | 0.0000 | 0.0000 | 82.111 | 0.26751 | 0.00000 | 602892.1 | 415412.7 | 0.0 | S |
| 104.550 | 0.0000 | 0.0000 | 82.111 | 0.26749 | 0.00000 | 602892.1 | 415420.7 | 0.0 | S |
| 104.558 | 0.0000 | 0.0000 | 82.111 | 0.26747 | 0.00000 | 602892.1 | 415428.7 | 0.0 | S |
| 104.567 | 0.0000 | 0.0000 | 82.111 | 0.26744 | 0.00000 | 602892.1 | 415436.7 | 0.0 | S |
| 104.575 | 0.0000 | 0.0000 | 82.111 | 0.26742 | 0.00000 | 602892.1 | 415444.8 | 0.0 | S |
| 104.583 | 0.0000 | 0.0000 | 82.111 | 0.26740 | 0.00000 | 602892.1 | 415452.8 | 0.0 | S |
| 104.592 | 0.0000 | 0.0000 | 82.110 | 0.26738 | 0.00000 | 602892.1 | 415460.8 | 0.0 | S |
| 104.600 | 0.0000 | 0.0000 | 82.110 | 0.26736 | 0.00000 | 602892.1 | 415468.8 | 0.0 | S |
| 104.608 | 0.0000 | 0.0000 | 82.110 | 0.26734 | 0.00000 | 602892.1 | 415476.8 | 0.0 | S |
| 104.617 | 0.0000 | 0.0000 | 82.110 | 0.26732 | 0.00000 | 602892.1 | 415484.8 | 0.0 | S |
| 104.625 | 0.0000 | 0.0000 | 82.110 | 0.26730 | 0.00000 | 602892.1 | 415492.9 | 0.0 | S |
| 104.633 | 0.0000 | 0.0000 | 82.110 | 0.26727 | 0.00000 | 602892.1 | 415500.9 | 0.0 | S |
| 104.642 | 0.0000 | 0.0000 | 82.110 | 0.26725 | 0.00000 | 602892.1 | 415508.9 | 0.0 | S |
| 104.650 | 0.0000 | 0.0000 | 82.109 | 0.26723 | 0.00000 | 602892.1 | 415516.9 | 0.0 | S |
| 104.658 | 0.0000 | 0.0000 | 82.109 | 0.26721 | 0.00000 | 602892.1 | 415524.9 | 0.0 | S |
| 104.667 | 0.0000 | 0.0000 | 82.109 | 0.26719 | 0.00000 | 602892.1 | 415533.0 | 0.0 | S |
| 104.675 | 0.0000 | 0.0000 | 82.109 | 0.26717 | 0.00000 | 602892.1 | 415541.0 | 0.0 | S |
| 104.683 | 0.0000 | 0.0000 | 82.109 | 0.26715 | 0.00000 | 602892.1 | 415549.0 | 0.0 | S |
| 104.692 | 0.0000 | 0.0000 | 82.109 | 0.26713 | 0.00000 | 602892.1 | 415557.0 | 0.0 | S |
| 104.700 | 0.0000 | 0.0000 | 82.109 | 0.26711 | 0.00000 | 602892.1 | 415565.0 | 0.0 | S |
| 104.708 | 0.0000 | 0.0000 | 82.108 | 0.26708 | 0.00000 | 602892.1 | 415573.0 | 0.0 | S |
| 104.717 | 0.0000 | 0.0000 | 82.108 | 0.26706 | 0.00000 | 602892.1 | 415581.0 | 0.0 | S |
| 104.725 | 0.0000 | 0.0000 | 82.108 | 0.26704 | 0.00000 | 602892.1 | 415589.1 | 0.0 | S |
| 104.733 | 0.0000 | 0.0000 | 82.108 | 0.26702 | 0.00000 | 602892.1 | 415597.1 | 0.0 | S |
| 104.742 | 0.0000 | 0.0000 | 82.108 | 0.26700 | 0.00000 | 602892.1 | 415605.1 | 0.0 | S |
| 104.750 | 0.0000 | 0.0000 | 82.108 | 0.26698 | 0.00000 | 602892.1 | 415613.1 | 0.0 | S |
| 104.758 | 0.0000 | 0.0000 | 82.108 | 0.26696 | 0.00000 | 602892.1 | 415621.1 | 0.0 | S |
| 104.767 | 0.0000 | 0.0000 | 82.107 | 0.26694 | 0.00000 | 602892.1 | 415629.1 | 0.0 | S |
| 104.775 | 0.0000 | 0.0000 | 82.107 | 0.26692 | 0.00000 | 602892.1 | 415637.1 | 0.0 | S |
| 104.783 | 0.0000 | 0.0000 | 82.107 | 0.26689 | 0.00000 | 602892.1 | 415645.1 | 0.0 | S |
| 104.792 | 0.0000 | 0.0000 | 82.107 | 0.26687 | 0.00000 | 602892.1 | 415653.1 | 0.0 | S |
| 104.800 | 0.0000 | 0.0000 | 82.107 | 0.26685 | 0.00000 | 602892.1 | 415661.1 | 0.0 | S |
| 104.808 | 0.0000 | 0.0000 | 82.107 | 0.26683 | 0.00000 | 602892.1 | 415669.1 | 0.0 | S |
| 104.817 | 0.0000 | 0.0000 | 82.107 | 0.26681 | 0.00000 | 602892.1 | 415677.1 | 0.0 | S |
| 104.825 | 0.0000 | 0.0000 | 82.107 | 0.26679 | 0.00000 | 602892.1 | 415685.2 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{3}$ s) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 104.833 | 0.0000 | 0.0000 | 82.106 | 0.26677 | 0.00000 | 602892.1 | 415693.2 | 0.0 | S |
| 104.842 | 0.0000 | 0.0000 | 82.106 | 0.26675 | 0.00000 | 602892.1 | 415701.2 | 0.0 | S |
| 104.850 | 0.0000 | 0.0000 | 82.106 | 0.26673 | 0.00000 | 602892.1 | 415709.2 | 0.0 | S |
| 104.858 | 0.0000 | 0.0000 | 82.106 | 0.26670 | 0.00000 | 602892.1 | 415717.2 | 0.0 | S |
| 104.867 | 0.0000 | 0.0000 | 82.106 | 0.26668 | 0.00000 | 602892.1 | 415725.2 | 0.0 | S |
| 104.875 | 0.0000 | 0.0000 | 82.106 | 0.26666 | 0.00000 | 602892.1 | 415733.2 | 0.0 | S |
| 104.883 | 0.0000 | 0.0000 | 82.106 | 0.26664 | 0.00000 | 602892.1 | 415741.2 | 0.0 | S |
| 104.892 | 0.0000 | 0.0000 | 82.105 | 0.26662 | 0.00000 | 602892.1 | 415749.2 | 0.0 | S |
| 104.900 | 0.0000 | 0.0000 | 82.105 | 0.26660 | 0.00000 | 602892.1 | 415757.2 | 0.0 | S |
| 104.908 | 0.0000 | 0.0000 | 82.105 | 0.26658 | 0.00000 | 602892.1 | 415765.2 | 0.0 | S |
| 104.917 | 0.0000 | 0.0000 | 82.105 | 0.26656 | 0.00000 | 602892.1 | 415773.2 | 0.0 | S |
| 104.925 | 0.0000 | 0.0000 | 82.105 | 0.26654 | 0.00000 | 602892.1 | 415781.2 | 0.0 | S |
| 104.933 | 0.0000 | 0.0000 | 82.105 | 0.26651 | 0.00000 | 602892.1 | 415789.1 | 0.0 | S |
| 104.942 | 0.0000 | 0.0000 | 82.105 | 0.26649 | 0.00000 | 602892.1 | 415797.1 | 0.0 | S |
| 104.950 | 0.0000 | 0.0000 | 82.104 | 0.26647 | 0.00000 | 602892.1 | 415805.1 | 0.0 | S |
| 104.958 | 0.0000 | 0.0000 | 82.104 | 0.26645 | 0.00000 | 602892.1 | 415813.1 | 0.0 | S |
| 104.967 | 0.0000 | 0.0000 | 82.104 | 0.26643 | 0.00000 | 602892.1 | 415821.1 | 0.0 | S |
| 104.975 | 0.0000 | 0.0000 | 82.104 | 0.26641 | 0.00000 | 602892.1 | 415829.1 | 0.0 | S |
| 104.983 | 0.0000 | 0.0000 | 82.104 | 0.26639 | 0.00000 | 602892.1 | 415837.1 | 0.0 | S |
| 104.992 | 0.0000 | 0.0000 | 82.104 | 0.26637 | 0.00000 | 602892.1 | 415845.1 | 0.0 | S |
| 105.000 | 0.0000 | 0.0000 | 82.104 | 0.26635 | 0.00000 | 602892.1 | 415853.1 | 0.0 | S |
| 105.008 | 0.0000 | 0.0000 | 82.103 | 0.26633 | 0.00000 | 602892.1 | 415861.1 | 0.0 | S |
| 105.017 | 0.0000 | 0.0000 | 82.103 | 0.26630 | 0.00000 | 602892.1 | 415869.1 | 0.0 | S |
| 105.025 | 0.0000 | 0.0000 | 82.103 | 0.26628 | 0.00000 | 602892.1 | 415877.1 | 0.0 | S |
| 105.033 | 0.0000 | 0.0000 | 82.103 | 0.26626 | 0.00000 | 602892.1 | 415885.0 | 0.0 | S |
| 105.042 | 0.0000 | 0.0000 | 82.103 | 0.26624 | 0.00000 | 602892.1 | 415893.0 | 0.0 | S |
| 105.050 | 0.0000 | 0.0000 | 82.103 | 0.26622 | 0.00000 | 602892.1 | 415901.0 | 0.0 | S |
| 105.058 | 0.0000 | 0.0000 | 82.103 | 0.26620 | 0.00000 | 602892.1 | 415909.0 | 0.0 | S |
| 105.067 | 0.0000 | 0.0000 | 82.103 | 0.26618 | 0.00000 | 602892.1 | 415917.0 | 0.0 | S |
| 105.075 | 0.0000 | 0.0000 | 82.102 | 0.26616 | 0.00000 | 602892.1 | 415925.0 | 0.0 | S |
| 105.083 | 0.0000 | 0.0000 | 82.102 | 0.26614 | 0.00000 | 602892.1 | 415933.0 | 0.0 | S |
| 105.092 | 0.0000 | 0.0000 | 82.102 | 0.26612 | 0.00000 | 602892.1 | 415940.9 | 0.0 | S |
| 105.100 | 0.0000 | 0.0000 | 82.102 | 0.26609 | 0.00000 | 602892.1 | 415948.9 | 0.0 | S |
| 105.108 | 0.0000 | 0.0000 | 82.102 | 0.26607 | 0.00000 | 602892.1 | 415956.9 | 0.0 | S |
| 105.117 | 0.0000 | 0.0000 | 82.102 | 0.26605 | 0.00000 | 602892.1 | 415964.9 | 0.0 | S |
| 105.125 | 0.0000 | 0.0000 | 82.102 | 0.26603 | 0.00000 | 602892.1 | 415972.9 | 0.0 | S |
| 105.133 | 0.0000 | 0.0000 | 82.101 | 0.26601 | 0.00000 | 602892.1 | 415980.8 | 0.0 | S |
| 105.142 | 0.0000 | 0.0000 | 82.101 | 0.26599 | 0.00000 | 602892.1 | 415988.8 | 0.0 | S |
| 105.150 | 0.0000 | 0.0000 | 82.101 | 0.26597 | 0.00000 | 602892.1 | 415996.8 | 0.0 | S |
| 105.158 | 0.0000 | 0.0000 | 82.101 | 0.26595 | 0.00000 | 602892.1 | 416004.8 | 0.0 | S |
| 105.167 | 0.0000 | 0.0000 | 82.101 | 0.26593 | 0.00000 | 602892.1 | 416012.8 | 0.0 | S |
| 105.775 | 0.0000 | 0.0000 | 82.101 | 0.26591 | 0.00000 | 602892.1 | 416020.8 | 0.0 | S |
| 105.183 | 0.0000 | 0.0000 | 82.101 | 0.26588 | 0.00000 | 602892.1 | 416028.7 | 0.0 | S |
| 105.192 | 0.0000 | 0.0000 | 82.100 | 0.26586 | 0.00000 | 602892.1 | 416036.7 | 0.0 | S |
| 105.200 | 0.0000 | 0.0000 | 82.100 | 0.26584 | 0.00000 | 602892.1 | 416044.7 | 0.0 | S |
| 105.208 | 0.0000 | 0.0000 | 82.100 | 0.26582 | 0.00000 | 602892.1 | 416052.7 | 0.0 | S |
| 105.217 | 0.0000 | 0.0000 | 82.100 | 0.26580 | 0.00000 | 602892.1 | 416060.6 | 0.0 | S |
| 105.225 | 0.0000 | 0.0000 | 82.100 | 0.26578 | 0.00000 | 602892.1 | 416068.6 | 0.0 | S |
| 105.233 | 0.0000 | 0.0000 | 82.100 | 0.26576 | 0.00000 | 602892.1 | 416076.6 | 0.0 | S |
| 105.242 | 0.0000 | 0.0000 | 82.100 | 0.26574 | 0.00000 | 602892.1 | 416084.5 | 0.0 | S |
| 105.250 | 0.0000 | 0.0000 | 82.099 | 0.26572 | 0.00000 | 602892.1 | 416092.5 | 0.0 | S |
| 105.258 | 0.0000 | 0.0000 | 82.099 | 0.26570 | 0.00000 | 602892.1 | 416100.5 | 0.0 | S |
| 105.267 | 0.0000 | 0.0000 | 82.099 | 0.26568 | 0.00000 | 602892.1 | 416108.4 | 0.0 | S |
| 105.275 | 0.0000 | 0.0000 | 82.099 | 0.26565 | 0.00000 | 602892.1 | 416116.4 | 0.0 | S |
| 105.283 | 0.0000 | 0.0000 | 82.099 | 0.26563 | 0.00000 | 602892.1 | 416124.4 | 0.0 | S |
| 105.292 | 0.0000 | 0.0000 | 82.099 | 0.26561 | 0.00000 | 602892.1 | 416132.3 | 0.0 | S |
| 105.300 | 0.0000 | 0.0000 | 82.099 | 0.26559 | 0.00000 | 602892.1 | 416140.3 | 0.0 | S |
| 105.308 | 0.0000 | 0.0000 | 82.099 | 0.26557 | 0.00000 | 602892.1 | 416148.3 | 0.0 | S |
| 105.317 | 0.0000 | 0.0000 | 82.098 | 0.26555 | 0.00000 | 602892.1 | 416156.3 | 0.0 | S |
| 105.325 | 0.0000 | 0.0000 | 82.098 | 0.26553 | 0.00000 | 602892.1 | 416164.2 | 0.0 | S |
| 105.333 | 0.0000 | 0.0000 | 82.098 | 0.26551 | 0.00000 | 602892.1 | 416172.2 | 0.0 | S |
| 105.342 | 0.0000 | 0.0000 | 82.098 | 0.26549 | 0.00000 | 602892.1 | 416180.2 | 0.0 | S |
| 105.350 | 0.0000 | 0.0000 | 82.098 | 0.26547 | 0.00000 | 602892.1 | 416188.1 | 0.0 | S |
| 105.358 | 0.0000 | 0.0000 | 82.098 | 0.26545 | 0.00000 | 602892.1 | 416196.1 | 0.0 | S |
| 105.367 | 0.0000 | 0.0000 | 82.098 | 0.26542 | 0.00000 | 602892.1 | 416204.1 | 0.0 | S |
| 105.375 | 0.0000 | 0.0000 | 82.097 | 0.26540 | 0.00000 | 602892.1 | 416212.0 | 0.0 | S |
| 105.383 | 0.0000 | 0.0000 | 82.097 | 0.26538 | 0.00000 | 602892.1 | 416220.0 | 0.0 | S |
| 105.392 | 0.0000 | 0.0000 | 82.097 | 0.26536 | 0.00000 | 602892.1 | 416227.9 | 0.0 | S |
| 105.400 | 0.0000 | 0.0000 | 82.097 | 0.26534 | 0.00000 | 602892.1 | 416235.9 | 0.0 | S |
| 105.408 | 0.0000 | 0.0000 | 82.097 | 0.26532 | 0.00000 | 602892.1 | 416243.8 | 0.0 | S |
| 105.417 | 0.0000 | 0.0000 | 82.097 | 0.26530 | 0.00000 | 602892.1 | 416251.8 | 0.0 | S |
| 105.425 | 0.0000 | 0.0000 | 82.097 | 0.26528 | 0.00000 | 602892.1 | 416259.8 | 0.0 | S |
| 105.433 | 0.0000 | 0.0000 | 82.096 | 0.26526 | 0.00000 | 602892.1 | 416267.7 | 0.0 | S |
| 105.442 | 0.0000 | 0.0000 | 82.096 | 0.26524 | 0.00000 | 602892.1 | 416275.7 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | inflow Rate ( $\mathrm{H}^{3 / 5}$ ) | Outside Recharge (flday) | Stage Elevation (f datum) | Infiltration Rate ( $\mathrm{f} \mathrm{K}^{3} \mathrm{~s}$ ) | Overlow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{t}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{t}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 105.450 | 0.0000 | 0.0000 | 82.096 | 0.26522 | 0.00000 | 602892.1 | 416283.7 | 0.0 | S |
| 105.458 | 0.0000 | 0.0000 | 82.096 | 0.26520 | 0.00000 | 602892.1 | 416291.6 | 0.0 | S |
| 105.467 | 0.0000 | 0.0000 | 82.096 | 0.26517 | 0.00000 | 602892.1 | 416299.6 | 0.0 | S |
| 105.475 | 0.0000 | 0.0000 | 82.096 | 0.26515 | 0.00000 | 602892.1 | 416307.5 | 0.0 | S |
| 105.483 | 0.0000 | 0.0000 | 82.096 | 0.26513 | 0.00000 | 602892.1 | 416315.5 | 0.0 | S |
| 105.492 | 0.0000 | 0.0000 | 82.096 | 0.26511 | 0.00000 | 602892.1 | 416323.4 | 0.0 | S |
| 105.500 | 0.0000 | 0.0000 | 82.095 | 0.26509 | 0.00000 | 602892.1 | 416331.4 | 0.0 | S |
| 105.508 | 0.0000 | 0.0000 | 82.095 | 0.26507 | 0.00000 | 602892.1 | 416339.3 | 0.0 | S |
| 105.517 | 0.0000 | 0.0000 | 82.095 | 0.26505 | 0.00000 | 602892.1 | 416347.3 | 0.0 | S |
| 105.525 | 0.0000 | 0.0000 | 82.095 | 0.26503 | 0.00000 | 602892.1 | 416355.2 | 0.0 | S |
| 105.533 | 0.0000 | 0.0000 | 82.095 | 0.26501 | 0.00000 | 602892.1 | 416363.2 | 0.0 | S |
| 105.542 | 0.0000 | 0.0000 | 82.095 | 0.26499 | 0.00000 | 602892.1 | 416371.1 | 0.0 | S |
| 105.550 | 0.0000 | 0.0000 | 82.095 | 0.26497 | 0.00000 | 602892.1 | 416379.1 | 0.0 | S |
| 105.558 | 0.0000 | 0.0000 | 82.094 | 0.26495 | 0.00000 | 602892.1 | 416387.0 | 0.0 | S |
| 105.567 | 0.0000 | 0.0000 | 82.094 | 0.26492 | 0.00000 | 602892.1 | 416395.0 | 0.0 | S |
| 105.575 | 0.0000 | 0.0000 | 82.094 | 0.26490 | 0.00000 | 602892.1 | 416402.9 | 0.0 | S |
| 105.583 | 0.0000 | 0.0000 | 82.094 | 0.26488 | 0.00000 | 602892.1 | 416410.9 | 0.0 | S |
| 105.592 | 0.0000 | 0.0000 | 82.094 | 0.26486 | 0.00000 | 602892.1 | 416418.8 | 0.0 | S |
| 105.600 | 0.0000 | 0.0000 | 82.094 | 0.26484 | 0.00000 | 602892.1 | 416426.8 | 0.0 | S |
| 105.608 | 0.0000 | 0.0000 | 82.094 | 0.26482 | 0.00000 | 602892.1 | 416434.7 | 0.0 | S |
| 105.617 | 0.0000 | 0.0000 | 82.093 | 0.26480 | 0.00000 | 602892.1 | 416442.7 | 0.0 | S |
| 105.625 | 0.0000 | 0.0000 | 82.093 | 0.26478 | 0.00000 | 602892.1 | 416450.6 | 0.0 | S |
| 105.633 | 0.0000 | 0.0000 | 82.093 | 0.26476 | 0.00000 | 602892.1 | 416458.5 | 0.0 | S |
| 105.642 | 0.0000 | 0.0000 | 82.093 | 0.26474 | 0.00000 | 602892.1 | 416466.5 | 0.0 | S |
| 105.650 | 0.0000 | 0.0000 | 82.093 | 0.26472 | 0.00000 | 602892.1 | 416474.4 | 0.0 | S |
| 105.658 | 0.0000 | 0.0000 | 82.093 | 0.26470 | 0.00000 | 602892.1 | 416482.4 | 0.0 | S |
| 105.667 | 0.0000 | 0.0000 | 82.093 | 0.26467 | 0.00000 | 602892.1 | 416490.3 | 0.0 | S |
| 105.675 | 0.0000 | 0.0000 | 82.092 | 0.26465 | 0.00000 | 602892.1 | 416498.3 | 0.0 | S |
| 105.683 | 0.0000 | 0.0000 | 82.092 | 0.26463 | 0.00000 | 602892.1 | 416506.2 | 0.0 | S |
| 105.692 | 0.0000 | 0.0000 | 82.092 | 0.26461 | 0.00000 | 602892.1 | 416514.1 | 0.0 | S |
| 105.700 | 0.0000 | 0.0000 | 82.092 | 0.26459 | 0.00000 | 602892.1 | 416522.1 | 0.0 | S |
| 105.708 | 0.0000 | 0.0000 | 82.092 | 0.26457 | 0.00000 | 602892.1 | 416530.0 | 0.0 | S |
| 105.717 | 0.0000 | 0.0000 | 82.092 | 0.26455 | 0.00000 | 602892.1 | 416537.9 | 0.0 | S |
| 105.725 | 0.0000 | 0.0000 | 82.092 | 0.26453 | 0.00000 | 602892.1 | 416545.9 | 0.0 | S |
| 105.733 | 0.0000 | 0.0000 | 82.092 | 0.26451 | 0.00000 | 602892.1 | 416553.8 | 0.0 | S |
| 105.742 | 0.0000 | 0.0000 | 82.091 | 0.26449 | 0.00000 | 602892.1 | 416561.8 | 0.0 | S |
| 105.750 | 0.0000 | 0.0000 | 82.091 | 0.26447 | 0.00000 | 602892.1 | 416569.7 | 0.0 | S |
| 105.758 | 0.0000 | 0.0000 | 82.091 | 0.26445 | 0.00000 | 602892.1 | 416577.6 | 0.0 | S |
| 105.767 | 0.0000 | 0.0000 | 82.091 | 0.26443 | 0.00000 | 602892.1 | 416585.5 | 0.0 | S |
| 105.775 | 0.0000 | 0.0000 | 82.091 | 0.26441 | 0.00000 | 602892.1 | 416593.5 | 0.0 | S |
| 105.783 | 0.0000 | 0.0000 | 82.091 | 0.26438 | 0.00000 | 602892.1 | 416601.4 | 0.0 | S |
| 105.792 | 0.0000 | 0.0000 | 82.091 | 0.26436 | 0.00000 | 602892.1 | 416609.3 | 0.0 | S |
| 105.800 | 0.0000 | 0.0000 | 82.090 | 0.26434 | 0.00000 | 602892.1 | 416617.3 | 0.0 | S |
| 105.808 | 0.0000 | 0.0000 | 82.090 | 0.26432 | 0.00000 | 602892.1 | 416625.2 | 0.0 | S |
| 105.817 | 0.0000 | 0.0000 | 82.090 | 0.26430 | 0.00000 | 602892.1 | 416633.1 | 0.0 | S |
| 105.825 | 0.0000 | 0.0000 | 82.090 | 0.26428 | 0.00000 | 602892.1 | 416641.1 | 0.0 | S |
| 105.833 | 0.0000 | 0.0000 | 82.090 | 0.26426 | 0.00000 | 602892.1 | 416649.0 | 0.0 | S |
| 105.842 | 0.0000 | 0.0000 | 82.090 | 0.26424 | 0.00000 | 602892.1 | 416656.9 | 0.0 | S |
| 105.850 | 0.0000 | 0.0000 | 82.090 | 0.26422 | 0.00000 | 602892.1 | 416664.8 | 0.0 | S |
| 105.858 | 0.0000 | 0.0000 | 82.089 | 0.26420 | 0.00000 | 602892.1 | 416672.8 | 0.0 | S |
| 105.867 | 0.0000 | 0.0000 | 82.089 | 0.26418 | 0.00000 | 602892.1 | 416680.7 | 0.0 | S |
| 105.875 | 0.0000 | 0.0000 | 82.089 | 0.26416 | 0.00000 | 602892.1 | 416688.6 | 0.0 | S |
| 105.883 | 0.0000 | 0.0000 | 82.089 | 0.26414 | 0.00000 | 602892.1 | 416696.5 | 0.0 | S |
| 105.892 | 0.0000 | 0.0000 | 82.089 | 0.26412 | 0.00000 | 602892.1 | 416704.5 | 0.0 | S |
| 105.900 | 0.0000 | 0.0000 | 82.089 | 0.26409 | 0.00000 | 602892.1 | 416712.4 | 0.0 | S |
| 105.908 | 0.0000 | 0.0000 | 82.089 | 0.26407 | 0.00000 | 602892.1 | 416720.3 | 0.0 | S |
| 105.917 | 0.0000 | 0.0000 | 82.089 | 0.26405 | 0.00000 | 602892.1 | 416728.2 | 0.0 | S |
| 105.925 | 0.0000 | 0.0000 | 82.088 | 0.26403 | 0.00000 | 602892.1 | 416736.2 | 0.0 | S |
| 105.933 | 0.0000 | 0.0000 | 82.088 | 0.26401 | 0.00000 | 602892.1 | 416744.1 | 0.0 | S |
| 105.942 | 0.0000 | 0.0000 | 82.088 | 0.26399 | 0.00000 | 602892.1 | 416752.0 | 0.0 | S |
| 105.950 | 0.0000 | 0.0000 | 82.088 | 0.26397 | 0.00000 | 602892.1 | 416759.9 | 0.0 | S |
| 105.958 | 0.0000 | 0.0000 | 82.088 | 0.26395 | 0.00000 | 602892.1 | 416767.8 | 0.0 | S |
| 105.967 | 0.0000 | 0.0000 | 82.088 | 0.26393 | 0.00000 | 602892.1 | 416775.8 | 0.0 | S |
| 105.975 | 0.0000 | 0.0000 | 82.088 | 0.26391 | 0.00000 | 602892.1 | 416783.7 | 0.0 | S |
| 105.983 | 0.0000 | 0.0000 | 82.087 | 0.26389 | 0.00000 | 602892.1 | 416791.6 | 0.0 | S |
| 105.992 | 0.0000 | 0.0000 | 82.087 | 0.26387 | 0.00000 | 602892.1 | 416799.5 | 0.0 | S |
| 106.000 | 0.0000 | 0.0000 | 82.087 | 0.26385 | 0.00000 | 602892.1 | 416807.4 | 0.0 | S |
| 106.008 | 0.0000 | 0.0000 | 82.087 | 0.26383 | 0.00000 | 602892.1 | 416815.3 | 0.0 | S |
| 106.017 | 0.0000 | 0.0000 | 82.087 | 0.26381 | 0.00000 | 602892.1 | 416823.3 | 0.0 | S |
| 406.025 | 0.0000 | 0.0000 | 82.087 | 0.26378 | 0.00000 | 602892.1 | 416831.2 | 0.0 | S |
| 106.033 | 0.0000 | 0.0000 | 82.087 | 0.26376 | 0.00000 | 602892.1 | 416839.1 | 0.0 | S |
| 106.042 | 0.0000 | 0.0000 | 82.086 | 0.26374 | 0.00000 | 602892.1 | 416847.0 | 0.0 | S |
| 106.050 | 0.0000 | 0.0000 | 82.086 | 0.26372 | 0.00000 | 602892.1 | 416854.9 | 0.0 | S |
| 106.058 | 0.0000 | 0.0000 | 82.086 | 0.26370 | 0.00000 | 602892.1 | 416862.8 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | inflow Rate ( $\mathrm{ft}^{3 / 5}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 106.067 | 0.0000 | 0.0000 | 82.086 | 0.26368 | 0.00000 | 602892.1 | 416870.7 | 0.0 | S |
| 106.075 | 0.0000 | 0.0000 | 82.086 | 0.26366 | 0.00000 | 602892.1 | 416878.6 | 0.0 | S |
| 106.083 | 0.0000 | 0.0000 | 82.086 | 0.26364 | 0.00000 | 602892.1 | 416886.5 | 0.0 | S |
| 106.092 | 0.0000 | 0.0000 | 82.086 | 0.26362 | 0.00000 | 602892.1 | 416894.4 | 0.0 | S |
| 106.100 | 0.0000 | 0.0000 | 82.086 | 0.26360 | 0.00000 | 602892.1 | 416902.3 | 0.0 | S |
| 106.108 | 0.0000 | 0.0000 | 82.085 | 0.26358 | 0.00000 | 602892.1 | 416910.3 | 0.0 | S |
| 106.117 | 0.0000 | 0.0000 | 82.085 | 0.26356 | 0.00000 | 602892.1 | 416918.2 | 0.0 | S |
| 106.125 | 0.0000 | 0.0000 | 82.085 | 0.26354 | 0.00000 | 602892.1 | 416926.1 | 0.0 | S |
| 106.133 | 0.0000 | 0.0000 | 82.085 | 0.26352 | 0.00000 | 602892.1 | 416934.0 | 0.0 | S |
| 106.142 | 0.0000 | 0.0000 | 82.085 | 0.26350 | 0.00000 | 602892.1 | 416941.9 | 0.0 | S |
| 106.150 | 0.0000 | 0.0000 | 82.085 | 0.26348 | 0.00000 | 602892.1 | 416949.8 | 0.0 | S |
| 106.158 | 0.0000 | 0.0000 | 82.085 | 0.26346 | 0.00000 | 602892.1 | 416957.7 | 0.0 | S |
| 106.167 | 0.0000 | 0.0000 | 82.084 | 0.26343 | 0.00000 | 602892.1 | 416965.6 | 0.0 | S |
| 106.175 | 0.0000 | 0.0000 | 82.084 | 0.26341 | 0.00000 | 602892.1 | 416973.5 | 0.0 | S |
| 106.183 | 0.0000 | 0.0000 | 82.084 | 0.26339 | 0.00000 | 602892.1 | 416981.4 | 0.0 | S |
| 106.192 | 0.0000 | 0.0000 | 82.084 | 0.26337 | 0.00000 | 602892.1 | 416989.3 | 0.0 | S |
| 106.200 | 0.0000 | 0.0000 | 82.084 | 0.26335 | 0.00000 | 602892.1 | 416997.2 | 0.0 | S |
| 106.208 | 0.0000 | 0.0000 | 82.084 | 0.26333 | 0.00000 | 602892.1 | 417005.1 | 0.0 | S |
| 106.217 | 0.0000 | 0.0000 | 82.084 | 0.26331 | 0.00000 | 602892.1 | 417013.0 | 0.0 | S |
| 106.225 | 0.0000 | 0.0000 | 82.083 | 0.26329 | 0.00000 | 602892.1 | 417020.9 | 0.0 | S |
| 106.233 | 0.0000 | 0.0000 | 82.083 | 0.26327 | 0.00000 | 602892.1 | 417028.8 | 0.0 | S |
| 106.242 | 0.0000 | 0.0000 | 82.083 | 0.26325 | 0.00000 | 602892.1 | 417036.7 | 0.0 | S |
| 106.250 | 0.0000 | 0.0000 | 82.083 | 0.26323 | 0.00000 | 602892.1 | 417044.6 | 0.0 | S |
| 106.258 | 0.0000 | 0.0000 | 82.083 | 0.26321 | 0.00000 | 602892.1 | 417052.5 | 0.0 | S |
| 106.267 | 0.0000 | 0.0000 | 82.083 | 0.26319 | 0.00000 | 602892.1 | 417060.4 | 0.0 | S |
| 106.275 | 0.0000 | 0.0000 | 82.083 | 0.26317 | 0.00000 | 602892.1 | 417068.3 | 0.0 | S |
| 106.283 | 0.0000 | 0.0000 | 82.083 | 0.26315 | 0.00000 | 602892.1 | 417076.2 | 0.0 | S |
| 106.292 | 0.0000 | 0.0000 | 82.082 | 0.26313 | 0.00000 | 602892.1 | 417084.1 | 0.0 | S |
| 106.300 | 0.0000 | 0.0000 | 82.082 | 0.26311 | 0.00000 | 602892.1 | 417092.0 | 0.0 | S |
| 106.308 | 0.0000 | 0.0000 | 82.082 | 0.26308 | 0.00000 | 602892.1 | 417099.9 | 0.0 | S |
| 106.317 | 0.0000 | 0.0000 | 82.082 | 0.26306 | 0.00000 | 602892.1 | 417107.8 | 0.0 | S |
| 106.325 | 0.0000 | 0.0000 | 82.082 | 0.26304 | 0.00000 | 602892.1 | 417115.7 | 0.0 | S |
| 106.333 | 0.0000 | 0.0000 | 82.082 | 0.26302 | 0.00000 | 602892.1 | 417123.5 | 0.0 | S |
| 106.342 | 0.0000 | 0.0000 | 82.082 | 0.26300 | 0.00000 | 602892.1 | 417131.4 | 0.0 | S |
| 106.350 | 0.0000 | 0.0000 | 82.081 | 0.26298 | 0.00000 | 602892.1 | 417139.3 | 0.0 | S |
| 106.358 | 0.0000 | 0.0000 | 82.081 | 0.26296 | 0.00000 | 602892.1 | 417147.2 | 0.0 | S |
| 106.367 | 0.0000 | 0.0000 | 82.081 | 0.26294 | 0.00000 | 602892.1 | 417155.1 | 0.0 | S |
| 106.375 | 0.0000 | 0.0000 | 82.081 | 0.26292 | 0.00000 | 602892.1 | 417163.0 | 0.0 | S |
| 106.383 | 0.0000 | 0.0000 | 82.081 | 0.26290 | 0.00000 | 602892.1 | 417170.9 | 0.0 | S |
| 106.392 | 0.0000 | 0.0000 | 82.081 | 0.26288 | 0.00000 | 602892.1 | 417178.8 | 0.0 | S |
| 106.400 | 0.0000 | 0.0000 | 82.081 | 0.26286 | 0.00000 | 602892.1 | 417186.7 | 0.0 | S |
| 106.408 | 0.0000 | 0.0000 | 82.080 | 0.26284 | 0.00000 | 602892.1 | 417194.5 | 0.0 | S |
| 106.417 | 0.0000 | 0.0000 | 82.080 | 0.26282 | 0.00000 | 602892.1 | 417202.4 | 0.0 | S |
| 106.425 | 0.0000 | 0.0000 | 82.080 | 0.26280 | 0.00000 | 602892.1 | 417210.3 | 0.0 | S |
| 106.433 | 0.0000 | 0.0000 | 82.080 | 0.26278 | 0.00000 | 602892.1 | 417218.2 | 0.0 | S |
| 106.442 | 0.0000 | 0.0000 | 82.080 | 0.26276 | 0.00000 | 602892.1 | 417226.1 | 0.0 | S |
| 106.450 | 0.0000 | 0.0000 | 82.080 | 0.26274 | 0.00000 | 602892.1 | 417233.9 | 0.0 | S |
| 106.458 | 0.0000 | 0.0000 | 82.080 | 0.26272 | 0.00000 | 602892.1 | 417241.8 | 0.0 | S |
| 106.467 | 0.0000 | 0.0000 | 82.080 | 0.26270 | 0.00000 | 602892.1 | 417249.7 | 0.0 | S |
| 106.475 | 0.0000 | 0.0000 | 82.079 | 0.26268 | 0.00000 | 602892.1 | 417257.6 | 0.0 | S |
| 106.483 | 0.0000 | 0.0000 | 82.079 | 0.26265 | 0.00000 | 602892.1 | 417265.5 | 0.0 | S |
| 106.492 | 0.0000 | 0.0000 | 82.079 | 0.26263 | 0.00000 | 602892.1 | 417273.3 | 0.0 | S |
| 106.500 | 0.0000 | 0.0000 | 82.079 | 0.26261 | 0.00000 | 602892.1 | 417281.2 | 0.0 | S |
| 106.508 | 0.0000 | 0.0000 | 82.079 | 0.26259 | 0.00000 | 602892.1 | 417289.1 | 0.0 | S |
| 106.517 | 0.0000 | 0.0000 | 82.079 | 0.26257 | 0.00000 | 602892.1 | 417297.0 | 0.0 | S |
| 106.525 | 0.0000 | 0.0000 | 82.079 | 0.26255 | 0.00000 | 602892.1 | 417304.9 | 0.0 | S |
| 106.533 | 0.0000 | 0.0000 | 82.078 | 0.26253 | 0.00000 | 602892.1 | 417312.8 | 0.0 | S |
| 106.542 | 0.0000 | 0.0000 | 82.078 | 0.26251 | 0.00000 | 602892.1 | 417320.6 | 0.0 | S |
| 106.550 | 0.0000 | 0.0000 | 82.078 | 0.26249 | 0.00000 | 602892.1 | 417328.5 | 0.0 | S |
| 106.558 | 0.0000 | 0.0000 | 82.078 | 0.26247 | 0.00000 | 602892.1 | 417336.4 | 0.0 | S |
| 106.567 | 0.0000 | 0.0000 | 82.078 | 0.26245 | 0.00000 | 602892.1 | 417344.3 | 0.0 | S |
| 106.575 | 0.0000 | 0.0000 | 82.078 | 0.26243 | 0.00000 | 602892.1 | 417352.1 | 0.0 | S |
| 106.583 | 0.0000 | 0.0000 | 82.078 | 0.26241 | 0.00000 | 602892.1 | 417360.0 | 0.0 | S |
| 106.592 | 0.0000 | 0.0000 | 82.077 | 0.26239 | 0.00000 | 602892.1 | 417367.8 | 0.0 | S |
| 106.600 | 0.0000 | 0.0000 | 82.077 | 0.26237 | 0.00000 | 602892.1 | 417375.7 | 0.0 | S |
| 106.608 | 0.0000 | 0.0000 | 82.077 | 0.26235 | 0.00000 | 602892.1 | 417383.6 | 0.0 | S |
| 106.617 | 0.0000 | 0.0000 | 82.077 | 0.26233 | 0.00000 | 602892.1 | 417391.5 | 0.0 | S |
| 106.625 | 0.0000 | 0.0000 | 82.077 | 0.26231 | 0.00000 | 602892.1 | 417399.3 | 0.0 | S |
| 106.633 | 0.0000 | 0.0000 | 82.077 | 0.26229 | 0.00000 | 602892.1 | 417407.2 | 0.0 | S |
| 106.642 | 0.0000 | 0.0000 | 82.077 | 0.26227 | 0.00000 | 602892.1 | 417415.1 | 0.0 | S |
| 106.650 | 0.0000 | 0.0000 | 82.077 | 0.26225 | 0.00000 | 602892.1 | 417422.9 | 0.0 | S |
| 106.658 | 0.0000 | 0.0000 | 82.076 | 0.26223 | 0.00000 | 602892.1 | 417430.8 | 0.0 | S |
| 106.667 | 0.0000 | 0.0000 | 82.076 | 0.26221 | 0.00000 | 602892.1 | 417438.7 | 0.0 | S |
| 106.675 | 0.0000 | 0.0000 | 82.076 | 0.26218 | 0.00000 | 602892.1 | 417446.5 | 0.0 | S |

PONDS Version 3.2.0207

# Retention Pond Recovery - Refined Method Copyright 2003 

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infilitration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | $\begin{aligned} & \text { Flow } \\ & \text { Type } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 106.683 | 0.0000 | 0.0000 | 82.076 | 0.26216 | 0.00000 | 602892.1 | 417454.4 | 0.0 | S |
| 106.692 | 0.0000 | 0.0000 | 82.076 | 0.26214 | 0.00000 | 602892.1 | 417462.3 | 0.0 | S |
| 106.700 | 0.0000 | 0.0000 | 82.076 | 0.26212 | 0.00000 | 602892.1 | 417470.1 | 0.0 | S |
| 106.708 | 0.0000 | 0.0000 | 82.076 | 0.26210 | 0.00000 | 602892.1 | 417478.0 | 0.0 | S |
| 106.717 | 0.0000 | 0.0000 | 82.075 | 0.26208 | 0.00000 | 602892.1 | 417485.8 | 0.0 | S |
| 106.725 | 0.0000 | 0.0000 | 82.075 | 0.26206 | 0.00000 | 602892.1 | 417493.7 | 0.0 | S |
| 106.733 | 0.0000 | 0.0000 | 82.075 | 0.26204 | 0.00000 | 602892.1 | 417501.6 | 0.0 | S |
| 106.742 | 0.0000 | 0.0000 | 82.075 | 0.26202 | 0.00000 | 602892.1 | 417509.4 | 0.0 | S |
| 106.750 | 0.0000 | 0.0000 | 82.075 | 0.26200 | 0.00000 | 602892.1 | 417517.3 | 0.0 | S |
| 106.758 | 0.0000 | 0.0000 | 82.075 | 0.26198 | 0.00000 | 602892.1 | 417525.2 | 0.0 | S |
| 106.767 | 0.0000 | 0.0000 | 82.075 | 0.26196 | 0.00000 | 602892.1 | 417533.0 | 0.0 | S |
| 106.775 | 0.0000 | 0.0000 | 82.074 | 0.26194 | 0.00000 | 602892.1 | 417540.9 | 0.0 | S |
| 106.783 | 0.0000 | 0.0000 | 82.074 | 0.26192 | 0.00000 | 602892.4 | 417548.8 | 0.0 | S |
| 106.792 | 0.0000 | 0.0000 | 82.074 | 0.26190 | 0.00000 | 602892.1 | 417556.6 | 0.0 | S |
| 106.800 | 0.0000 | 0.0000 | 82.074 | 0.26188 | 0.00000 | 602892.1 | 417564.5 | 0.0 | S |
| 106.808 | 0.0000 | 0.0000 | 82.074 | 0.26186 | 0.00000 | 602892.1 | 417572.3 | 0.0 | S |
| 106.817 | 0.0000 | 0.0000 | 82.074 | 0.26184 | 0.00000 | 602892.1 | 417580.2 | 0.0 | S |
| 106.825 | 0.0000 | 0.0000 | 82.074 | 0.26182 | 0.00000 | 602892.1 | 417588.0 | 0.0 | S |
| 106.833 | 0.0000 | 0.0000 | 82.074 | 0.26180 | 0.00000 | 602892.1 | 417595.9 | 0.0 | S |
| 106.842 | 0.0000 | 0.0000 | 82.073 | 0.26178 | 0.00000 | 602892.1 | 417603.7 | 0.0 | S |
| 106.850 | 0.0000 | 0.0000 | 82.073 | 0.26176 | 0.00000 | 602892.1 | 417611.6 | 0.0 | S |
| 106.858 | 0.0000 | 0.0000 | 82.073 | 0.26174 | 0.00000 | 602892.1 | 417619.4 | 0.0 | S |
| 106.867 | 0.0000 | 0.0000 | 82.073 | 0.26172 | 0.00000 | 602892.1 | 417627.3 | 0.0 | S |
| 106.875 | 0.0000 | 0.0000 | 82.073 | 0.26170 | 0.00000 | 602892.1 | 417635.1 | 0.0 | S |
| 106.883 | 0.0000 | 0.0000 | 82.073 | 0.26168 | 0.00000 | 602892.1 | 417643.0 | 0.0 | S |
| 106.892 | 0.0000 | 0.0000 | 82.073 | 0.26166 | 0.00000 | 602892.1 | 417650.8 | 0.0 | S |
| 106.900 | 0.0000 | 0.0000 | 82.072 | 0.26164 | 0.00000 | 602892.1 | 417658.7 | 0.0 | S |
| 106.908 | 0.0000 | 0.0000 | 82.072 | 0.26161 | 0.00000 | 602892.1 | 417666.5 | 0.0 | S |
| 106.917 | 0.0000 | 0.0000 | 82.072 | 0.26159 | 0.00000 | 602892.1 | 417674.4 | 0.0 | S |
| 106.925 | 0.0000 | 0.0000 | 82.072 | 0.26157 | 0.00000 | 602892.1 | 417682.2 | 0.0 | S |
| 106.933 | 0.0000 | 0.0000 | 82.072 | 0.26155 | 0.00000 | 602892. 1 | 417690.1 | 0.0 | S |
| 106.942 | 0.0000 | 0.0000 | 82.072 | 0.26153 | 0.00000 | 602892.1 | 417697.9 | 0.0 | S |
| 106.950 | 0.0000 | 0.0000 | 82.072 | 0.26151 | 0.00000 | 602892.1 | 417705.8 | 0.0 | S |
| 106.958 | 0.0000 | 0.0000 | 82.072 | 0.26149 | 0.00000 | 602892.1 | 417713.6 | 0.0 | S |
| 106.967 | 0.0000 | 0.0000 | 82.071 | 0.26147 | 0.00000 | 602892.1 | 417721.5 | 0.0 | S |
| 106.975 | 0.0000 | 0.0000 | 82.071 | 0.26145 | 0.00000 | 602892.1 | 417729.3 | 0.0 | S |
| 106.983 | 0.0000 | 0.0000 | 82.071 | 0.26143 | 0.00000 | 602892.1 | 417737.2 | 0.0 | S |
| 106.992 | 0.0000 | 0.0000 | 82.071 | 0.26141 | 0.00000 | 602892.1 | 417745.0 | 0.0 | S |
| 107.000 | 0.0000 | 0.0000 | 82.071 | 0.26139 | 0.00000 | 602892.1 | 417752.8 | 0.0 | S |
| 107.008 | 0.0000 | 0.0000 | 82.071 | 0.26137 | 0.00000 | 602892.1 | 417760.7 | 0.0 | S |
| 107.017 | 0.0000 | 0.0000 | 82.071 | 0.26135 | 0.00000 | 602892.1 | 417768.5 | 0.0 | S |
| 107.025 | 0.0000 | 0.0000 | 82.070 | 0.26133 | 0.00000 | 602892.1 | 417776.3 | 0.0 | S |
| 107.033 | 0.0000 | 0.0000 | 82.070 | 0.26131 | 0.00000 | 602892.1 | 417784.2 | 0.0 | S |
| 107.042 | 0.0000 | 0.0000 | 82.070 | 0.26129 | 0.00000 | 602892.1 | 417792.0 | 0.0 | S |
| 107.050 | 0.0000 | 0.0000 | 82.070 | 0.26127 | 0.00000 | 602892.1 | 417799.9 | 0.0 | S |
| 107.058 | 0.0000 | 0.0000 | 82.070 | 0.26125 | 0.00000 | 602892.1 | 417807.7 | 0.0 | S |
| 107.067 | 0.0000 | 0.0000 | 82.070 | 0.26123 | 0.00000 | 602892.1 | 417815.5 | 0.0 | S |
| 107.075 | 0.0000 | 0.0000 | 82.070 | 0.26121 | 0.00000 | 602892.1 | 417823.4 | 0.0 | S |
| 107.083 | 0.0000 | 0.0000 | 82.069 | 0.26119 | 0.00000 | 602892.1 | 417831.2 | 0.0 | S |
| 107.092 | 0.0000 | 0.0000 | 82.069 | 0.26117 | 0.00000 | 602892.1 | 417839.1 | 0.0 | S |
| 107.100 | 0.0000 | 0.0000 | 82.069 | 0.26115 | 0.00000 | 602892.1 | 417846.9 | 0.0 | S |
| 107.108 | 0.0000 | 0.0000 | 82.069 | 0.26113 | 0.00000 | 602892.1 | 417854.7 | 0.0 | S |
| 107.117 | 0.0000 | 0.0000 | 82.069 | 0.26111 | 0.00000 | 602892.1 | 417862.6 | 0.0 | S |
| 107.125 | 0.0000 | 0.0000 | 82.069 | 0.26109 | 0.00000 | 602892.1 | 417870.4 | 0.0 | S |
| 107.133 | 0.0000 | 0.0000 | 82.069 | 0.26107 | 0.00000 | 602892.1 | 417878.2 | 0.0 | S |
| 107.142 | 0.0000 | 0.0000 | 82.069 | 0.26105 | 0.00000 | 602892.1 | 417886.1 | 0.0 | S |
| 107.150 | 0.0000 | 0.0000 | 82.068 | 0.26103 | 0.00000 | 602892.1 | 417893.9 | 0.0 | S |
| 107.158 | 0.0000 | 0.0000 | 82.068 | 0.26101 | 0.00000 | 602892.1 | 417901.7 | 0.0 | S |
| 107.167 | 0.0000 | 0.0000 | 82.068 | 0.26099 | 0.00000 | 602892.1 | 417909.5 | 0.0 | S |
| 107.175 | 0.0000 | 0.0000 | 82.068 | 0.26097 | 0.00000 | 602892.1 | 417917.4 | 0.0 | S |
| 107.183 | 0.0000 | 0.0000 | 82.068 | 0.26095 | 0.00000 | 602892.1 | 417925.2 | 0.0 | S |
| 107.192 | 0.0000 | 0.0000 | 82.068 | 0.26093 | 0.00000 | 602892.1 | 417933.0 | 0.0 | S |
| 107.200 | 0.0000 | 0.0000 | 82.068 | 0.26091 | 0.00000 | 602892.1 | 417940.8 | 0.0 | S |
| 107.208 | 0.0000 | 0.0000 | 82.067 | 0.26089 | 0.00000 | 602892.1 | 417948.7 | 0.0 | S |
| 107.217 | 0.0000 | 0.0000 | 82.067 | 0.26087 | 0.00000 | 602892.1 | 417956.5 | 0.0 | S |
| 107.225 | 0.0000 | 0.0000 | 82.067 | 0.26085 | 0.00000 | 602892.1 | 417964.3 | 0.0 | S |
| 107.233 | 0.0000 | 0.0000 | 82.067 | 0.26083 | 0.00000 | 602892.1 | 417972.2 | 0.0 | S |
| 107.242 | 0.0000 | 0.0000 | 82.067 | 0.26080 | 0.00000 | 602892.1 | 417980.0 | 0.0 | S |
| 107.250 | 0.0000 | 0.0000 | 82.067 | 0.26078 | 0.00000 | 602892.1 | 417987.8 | 0.0 | S |
| 107.258 | 0.0000 | 0.0000 | 82.067 | 0.26076 | 0.00000 | 602892.1 | 417995.6 | 0.0 | S |
| 107.267 | 0.0000 | 0.0000 | 82.066 | 0.26074 | 0.00000 | 602892.1 | 418003.5 | 0.0 | S |
| 107.275 | 0.0000 | 0.0000 | 82.066 | 0.26072 | 0.00000 | 602892.1 | 418011.3 | 0.0 | S |
| 107.283 | 0.0000 | 0.0000 | 82.066 | 0.26070 | 0.00000 | 602892.1 | 418019.1 | 0.0 | S |
| 107.292 | 0.0000 | 0.0000 | 82.066 | 0.26068 | 0.00000 | 602892.1 | 418026.9 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Infow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ftoday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overlow Discharge ( $\mathrm{f}^{3 / 3}$ ) | Cumuative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infitration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 107.300 | 0.0000 | 0.0000 | 82.066 | 0.26066 | 0.00000 | 602892.1 | 418034.8 | 0.0 | S |
| 107.308 | 0.0000 | 0.0000 | 82.066 | 0.26064 | 0.00000 | 602892.1 | 418042.6 | 0.0 | S |
| 107.317 | 0.0000 | 0.0000 | 82.066 | 0.26062 | 0.00000 | 602892.1 | 418050.4 | 0.0 | S |
| 107.325 | 0.0000 | 0.0000 | 82.066 | 0.26060 | 0.00000 | 602892.1 | 418058.2 | 0.0 | S |
| 107.333 | 0.0000 | 0.0000 | 82.065 | 0.26058 | 0.00000 | 602892.1 | 418066.0 | 0.0 | S |
| 107.342 | 0.0000 | 0.0000 | 82.065 | 0.26056 | 0.00000 | 602892.1 | 418073.8 | 0.0 | S |
| 107.350 | 0.0000 | 0.0000 | 82.065 | 0.26054 | 0.00000 | 602892.1 | 418081.7 | 0.0 | S |
| 107.358 | 0.0000 | 0.0000 | 82.065 | 0.26052 | 0.00000 | 602892.1 | 418089.5 | 0.0 | S |
| 107.367 | 0.0000 | 0.0000 | 82.065 | 0.26050 | 0.00000 | 602892.1 | 418097.3 | 0.0 | S |
| 107.375 | 0.0000 | 0.0000 | 82.065 | 0.26048 | 0.00000 | 602892.1 | 418105.1 | 0.0 | S |
| 107.383 | 0.0000 | 0.0000 | 82.065 | 0.26046 | 0.00000 | 602892.1 | 418112.9 | 0.0 | S |
| 107.392 | 0.0000 | 0.0000 | 82.064 | 0.26044 | 0.00000 | 602892.1 | 418120.7 | 0.0 | S |
| 107.400 | 0.0000 | 0.0000 | 82.064 | 0.26042 | 0.00000 | 602892.1 | 418128.5 | 0.0 | S |
| 107.408 | 0.0000 | 0.0000 | 82.064 | 0.26040 | 0.00000 | 602892.1 | 418136.3 | 0.0 | S |
| 107.417 | 0.0000 | 0.0000 | 82.064 | 0.26038 | 0.00000 | 602892.1 | 418144.2 | 0.0 | S |
| 107.425 | 0.0000 | 0.0000 | 82.064 | 0.26036 | 0.00000 | 602892.1 | 418152.0 | 0.0 | S |
| 107.433 | 0.0000 | 0.0000 | 82.064 | 0.26034 | 0.00000 | 602892.1 | 418159.8 | 0.0 | S |
| 107.442 | 0.0000 | 0.0000 | 82.064 | 0.26032 | 0.00000 | 602892.1 | 418167.6 | 0.0 | S |
| 107.450 | 0.0000 | 0.0000 | 82.064 | 0.26030 | 0.00000 | 602892.1 | 418175.4 | 0.0 | S |
| 107.458 | 0.0000 | 0.0000 | 82.063 | 0.26028 | 0.00000 | 602892.1 | 418183.2 | 0.0 | S |
| 107.467 | 0.0000 | 0.0000 | 82.063 | 0.26026 | 0.00000 | 602892.1 | 418191.0 | 0.0 | S |
| 107.475 | 0.0000 | 0.0000 | 82.063 | 0.26024 | 0.00000 | 602892.1 | 418198.8 | 0.0 | S |
| 107.483 | 0.0000 | 0.0000 | 82.063 | 0.26022 | 0.00000 | 602892.1 | 418206.6 | 0.0 | S |
| 107.492 | 0.0000 | 0.0000 | 82.063 | 0.26020 | 0.00000 | 602892.1 | 418214.4 | 0.0 | S |
| 107.500 | 0.0000 | 0.0000 | 82.063 | 0.26018 | 0.00000 | 602892.1 | 418222.3 | 0.0 | S |
| 107.508 | 0.0000 | 0.0000 | 82.063 | 0.26016 | 0.00000 | 602892.1 | 418230.1 | 0.0 | S |
| 107.517 | 0.0000 | 0.0000 | 82.062 | 0.26014 | 0.00000 | 602892.1 | 418237.8 | 0.0 | S |
| 107.525 | 0.0000 | 0.0000 | 82.062 | 0.26012 | 0.00000 | 602892.1 | 418245.7 | 0.0 | S |
| 107.533 | 0.0000 | 0.0000 | 82.062 | 0.26010 | 0.00000 | 602892.1 | 418253.5 | 0.0 | S |
| 107.542 | 0.0000 | 0.0000 | 82.062 | 0.26008 | 0.00000 | 602892.1 | 418261.3 | 0.0 | S |
| 107.550 | 0.0000 | 0.0000 | 82.062 | 0.26006 | 0.00000 | 602892.1 | 418269.1 | 0.0 | S |
| 107.558 | 0.0000 | 0.0000 | 82.062 | 0.26004 | 0.00000 | 602892.1 | 418276.9 | 0.0 | S |
| 107.567 | 0.0000 | 0.0000 | 82.062 | 0.26002 | 0.00000 | 602892.1 | 418284.7 | 0.0 | S |
| 107.575 | 0.0000 | 0.0000 | 82.061 | 0.26000 | 0.00000 | 602892.1 | 418292.5 | 0.0 | S |
| 107.583 | 0.0000 | 0.0000 | 82.061 | 0.25998 | 0.00000 | 602892.1 | 418300.3 | 0.0 | S |
| 107.592 | 0.0000 | 0.0000 | 82.061 | 0.25996 | 0.00000 | 602892.1 | 418308.1 | 0.0 | S |
| 107.600 | 0.0000 | 0.0000 | 82.061 | 0.25994 | 0.00000 | 602892.1 | 418315.9 | 0.0 | S |
| 107.608 | 0.0000 | 0.0000 | 82.061 | 0.25992 | 0.00000 | 602892.1 | 418323.7 | 0.0 | S |
| 107.617 | 0.0000 | 0.0000 | 82.061 | 0.25990 | 0.00000 | 602892.1 | 418331.5 | 0.0 | S |
| 107.625 | 0.0000 | 0.0000 | 82.061 | 0.25988 | 0.00000 | 602892.1 | 418339.3 | 0.0 | S |
| 107.633 | 0.0000 | 0.0000 | 82.061 | 0.25986 | 0.00000 | 602892.1 | 418347.1 | 0.0 | S |
| 107.642 | 0.0000 | 0.0000 | 82.060 | 0.25984 | 0.00000 | 602892.1 | 418354.8 | 0.0 | S |
| 107.650 | 0.0000 | 0.0000 | 82.060 | 0.25982 | 0.00000 | 602892.1 | 418362.7 | 0.0 | S |
| 107.658 | 0.0000 | 0.0000 | 82.060 | 0.25980 | 0.00000 | 602892.1 | 418370.4 | 0.0 | S |
| 107.667 | 0.0000 | 0.0000 | 82.060 | 0.25978 | 0.00000 | 602892.1 | 418378.2 | 0.0 | S |
| 107.675 | 0.0000 | 0.0000 | 82.060 | 0.25976 | 0.00000 | 602892.1 | 418386.0 | 0.0 | S |
| 107.683 | 0.0000 | 0.0000 | 82.060 | 0.25974 | 0.00000 | 602892.1 | 418393.8 | 0.0 | S |
| 107.692 | 0.0000 | 0.0000 | 82.060 | 0.25972 | 0.00000 | 602892.1 | 418401.6 | 0.0 | S |
| 107.700 | 0.0000 | 0.0000 | 82.059 | 0.25970 | 0.00000 | 602892.1 | 418409.4 | 0.0 | S |
| 107.708 | 0.0000 | 0.0000 | 82.059 | 0.25968 | 0.00000 | 602892.1 | 418417.2 | 0.0 | S |
| 107.717 | 0.0000 | 0.0000 | 82.059 | 0.25966 | 0.00000 | 602892.1 | 418425.0 | 0.0 | S |
| 107.725 | 0.0000 | 0.0000 | 82.059 | 0.25964 | 0.00000 | 602892.1 | 418432.8 | 0.0 | S |
| 107.733 | 0.0000 | 0.0000 | 82.059 | 0.25962 | 0.00000 | 602892.1 | 418440.6 | 0.0 | S |
| 107.742 | 0.0000 | 0.0000 | 82.059 | 0.25960 | 0.00000 | 602892.7 | 418448.3 | 0.0 | S |
| 107.750 | 0.0000 | 0.0000 | 82.059 | 0.25958 | 0.00000 | 602892.1 | 418456.1 | 0.0 | S |
| 107.758 | 0.0000 | 0.0000 | 82.059 | 0.25956 | 0.00000 | 602892.1 | 418463.9 | 0.0 | S |
| 107.767 | 0.0000 | 0.0000 | 82.058 | 0.25954 | 0.00000 | 602892.1 | 418471.7 | 0.0 | S |
| 107.775 | 0.0000 | 0.0000 | 82.058 | 0.25952 | 0.00000 | 602892.1 | 418479.5 | 0.0 | S |
| 107.783 | 0.0000 | 0.0000 | 82.058 | 0.25950 | 0.00000 | 602892.1 | 418487.3 | 0.0 | S |
| 107.792 | 0.0000 | 0.0000 | 82.058 | 0.25948 | 0.00000 | 602892.1 | 418495.1 | 0.0 | S |
| 107.800 | 0.0000 | 0.0000 | 82.058 | 0.25946 | 0.00000 | 602892.1 | 418502.8 | 0.0 | S |
| 107.808 | 0.0000 | 0.0000 | 82.058 | 0.25944 | 0.00000 | 602892.1 | 418510.6 | 0.0 | S |
| 107.817 | 0.0000 | 0.0000 | 82.058 | 0.25942 | 0.00000 | 602892.1 | 418518.4 | 0.0 | S |
| 107.825 | 0.0000 | 0.0000 | 82.057 | 0.25940 | 0.00000 | 602892.1 | 418526.2 | 0.0 | S |
| 107.833 | 0.0000 | 0.0000 | 82.057 | 0.25938 | 0.00000 | 602892.1 | 418534.0 | 0.0 | S |
| 107.842 | 0.0000 | 0.0000 | 82.057 | 0.25936 | 0.00000 | 602892.1 | 418541.8 | 0.0 | S |
| 107.850 | 0.0000 | 0.0000 | 82.057 | 0.25934 | 0.00000 | 602892.1 | 418549.5 | 0.0 | S |
| 107.858 | 0.0000 | 0.0000 | 82.057 | 0.25932 | 0.00000 | 602892.1 | 418557.3 | 0.0 | S |
| 107.867 | 0.0000 | 0.0000 | 82.057 | 0.25930 | 0.00000 | 602892.1 | 418565.1 | 0.0 | S |
| 107.875 | 0.0000 | 0.0000 | 82.057 | 0.25928 | 0.00000 | 602892.1 | 418572.9 | 0.0 | S |
| 107.883 | 0.0000 | 0.0000 | 82.057 | 0.25926 | 0.00000 | 602892.1 | 418580.7 | 0.0 | S |
| 107.892 | 0.0000 | 0.0000 | 82.056 | 0.25924 | 0.00000 | 602892.1 | 418588.4 | 0.0 | S |
| 107.900 | 0.0000 | 0.0000 | 82.056 | 0.25922 | 0.00000 | 602892.1 | 418596.2 | 0.0 | S |
| 107.908 | 0.0000 | 0.0000 | 82.056 | 0.25920 | 0.00000 | 602892.1 | 418604.0 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (IU/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / 3}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f} \mathrm{t}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ff}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | $\begin{aligned} & \text { Flow } \\ & \text { Type } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 107.917 | 0.0000 | 0.0000 | 82.056 | 0.25918 | 0.00000 | 602892.1 | 418611.8 | 0.0 | S |
| 107.925 | 0.0000 | 0.0000 | 82.056 | 0.25916 | 0.00000 | 602892.1 | 418619.5 | 0.0 | S |
| 107.933 | 0.0000 | 0.0000 | 82.056 | 0.25914 | 0.00000 | 602892.1 | 418627.3 | 0.0 | S |
| 107.942 | 0.0000 | 0.0000 | 82.056 | 0.25912 | 0.00000 | 602892.1 | 418635.1 | 0.0 | S |
| 107.950 | 0.0000 | 0.0000 | 82.055 | 0.25910 | 0.00000 | 602892.1 | 418642.9 | 0.0 | S |
| 107.958 | 0.0000 | 0.0000 | 82.055 | 0.25908 | 0.00000 | 602892.1 | 418650.6 | 0.0 | S |
| 107.967 | 0.0000 | 0.0000 | 82.055 | 0.25906 | 0.00000 | 602892.1 | 418658.4 | 0.0 | S |
| 107.975 | 0.0000 | 0.0000 | 82.055 | 0.25904 | 0.00000 | 602892.1 | 418666.2 | 0.0 | S |
| 107.983 | 0.0000 | 0.0000 | 82.055 | 0.25902 | 0.00000 | 602892.1 | 418673.9 | 0.0 | S |
| 107.992 | 0.0000 | 0.0000 | 82.055 | 0.25900 | 0.00000 | 602892.1 | 418681.7 | 0.0 | S |
| 108.000 | 0.0000 | 0.0000 | 82.055 | 0.25898 | 0.00000 | 602892.1 | 418689.5 | 0.0 | S |
| 108.008 | 0.0000 | 0.0000 | 82.054 | 0.25896 | 0.00000 | 602892.1 | 418697.3 | 0.0 | S |
| 108.017 | 0.0000 | 0.0000 | 82.054 | 0.25894 | 0.00000 | 602892.1 | 418705.0 | 0.0 | S |
| 108.025 | 0.0000 | 0.0000 | 82.054 | 0.25892 | 0.00000 | 602892.1 | 418712.8 | 0.0 | S |
| 108.033 | 0.0000 | 0.0000 | 82.054 | 0.25890 | 0.00000 | 602892.1 | 418720.6 | 0.0 | S |
| 108.042 | 0.0000 | 0.0000 | 82.054 | 0.25888 | 0.00000 | 602892.1 | 418728.3 | 0.0 | S |
| 108.050 | 0.0000 | 0.0000 | 82.054 | 0.25886 | 0.00000 | 602892.1 | 418736.1 | 0.0 | S |
| 108.058 | 0.0000 | 0.0000 | 82.054 | 0.25884 | 0.00000 | 602892.1 | 418743.8 | 0.0 | S |
| 108.067 | 0.0000 | 0.0000 | 82.054 | 0.25882 | 0.00000 | 602892.1 | 418751.6 | 0.0 | S |
| 108.075 | 0.0000 | 0.0000 | 82.053 | 0.25880 | 0.00000 | 602892.1 | 418759.4 | 0.0 | S |
| 108.083 | 0.0000 | 0.0000 | 82.053 | 0.25878 | 0.00000 | 602892.1 | 418767.2 | 0.0 | S |
| 108.092 | 0.0000 | 0.0000 | 82.053 | 0.25876 | 0.00000 | 602892.1 | 418774.9 | 0.0 | S |
| 108.100 | 0.0000 | 0.0000 | 82.053 | 0.25874 | 0.00000 | 602892.1 | 418782.7 | 0.0 | S |
| 108.108 | 0.0000 | 0.0000 | 82.053 | 0.25872 | 0.00000 | 602892.1 | 418790.4 | 0.0 | S |
| 108.117 | 0.0000 | 0.0000 | 82.053 | 0.25870 | 0.00000 | 602892.1 | 418798.2 | 0.0 | S |
| 108.125 | 0.0000 | 0.0000 | 82.053 | 0.25868 | 0.00000 | 602892.1 | 418806.0 | 0.0 | S |
| 108.133 | 0.0000 | 0.0000 | 82.052 | 0.25866 | 0.00000 | 602892.1 | 418813.7 | 0.0 | S |
| 108.142 | 0.0000 | 0.0000 | 82.052 | 0.25864 | 0.00000 | 602892.1 | 418821.5 | 0.0 | S |
| 108.150 | 0.0000 | 0.0000 | 82.052 | 0.25862 | 0.00000 | 602892.1 | 418829.3 | 0.0 | S |
| 108.158 | 0.0000 | 0.0000 | 82.052 | 0.25860 | 0.00000 | 602892.1 | 418837.0 | 0.0 | S |
| 108.167 | 0.0000 | 0.0000 | 82.052 | 0.25858 | 0.00000 | 602892.1 | 418844.8 | 0.0 | S |
| 108.175 | 0.0000 | 0.0000 | 82.052 | 0.25856 | 0.00000 | 602892.1 | 418852.5 | 0.0 | S |
| 108.183 | 0.0000 | 0.0000 | 82.052 | 0.25854 | 0.00000 | 602892.1 | 418860.3 | 0.0 | S |
| 108.192 | 0.0000 | 0.0000 | 82.052 | 0.25852 | 0.00000 | 602892.1 | 418868.0 | 0.0 | S |
| 108.200 | 0.0000 | 0.0000 | 82.051 | 0.25850 | 0.00000 | 602892.1 | 418875.8 | 0.0 | S |
| 108.208 | 0.0000 | 0.0000 | 82.051 | 0.25848 | 0.00000 | 602892.1 | 418883.5 | 0.0 | S |
| 108.217 | 0.0000 | 0.0000 | 82.051 | 0.25846 | 0.00000 | 602892.1 | 418891.3 | 0.0 | S |
| 108.225 | 0.0000 | 0.0000 | 82.051 | 0.25844 | 0.00000 | 602892.1 | 418899.0 | 0.0 | S |
| 108.233 | 0.0000 | 0.0000 | 82.051 | 0.25842 | 0.00000 | 602892.1 | 418906.8 | 0.0 | S |
| 108.242 | 0.0000 | 0.0000 | 82.051 | 0.25840 | 0.00000 | 602892.1 | 418914.6 | 0.0 | S |
| 108.250 | 0.0000 | 0.0000 | 82.051 | 0.25838 | 0.00000 | 602892.1 | 418922.3 | 0.0 | S |
| 108.258 | 0.0000 | 0.0000 | 82.050 | 0.25836 | 0.00000 | 602892.1 | 418930.1 | 0.0 | S |
| 108.267 | 0.0000 | 0.0000 | 82.050 | 0.25834 | 0.00000 | 602892.1 | 418937.8 | 0.0 | S |
| 108.275 | 0.0000 | 0.0000 | 82.050 | 0.25832 | 0.00000 | 602892.1 | 418945.6 | 0.0 | S |
| 108.283 | 0.0000 | 0.0000 | 82.050 | 0.25830 | 0.00000 | 602892.1 | 418953.3 | 0.0 | S |
| 108.292 | 0.0000 | 0.0000 | 82.050 | 0.25828 | 0.00000 | 602892.1 | 418961.1 | 0.0 | S |
| 108.300 | 0.0000 | 0.0000 | 82.050 | 0.25827 | 0.00000 | 602892.1 | 418968.8 | 0.0 | S |
| 108.308 | 0.0000 | 0.0000 | 82.050 | 0.25825 | 0.00000 | 602892.1 | 418976.5 | 0.0 | S |
| 108.317 | 0.0000 | 0.0000 | 82.050 | 0.25823 | 0.00000 | 602892.1 | 418984.3 | 0.0 | S |
| 108.325 | 0.0000 | 0.0000 | 82.049 | 0.25821 | 0.00000 | 602892.1 | 418992.0 | 0.0 | S |
| 108.333 | 0.0000 | 0.0000 | 82.049 | 0.25819 | 0.00000 | 602892.1 | 418999.8 | 0.0 | S |
| 108.342 | 0.0000 | 0.0000 | 82.049 | 0.25817 | 0.00000 | 602892.1 | 419007.5 | 0.0 | S |
| 108.350 | 0.0000 | 0.0000 | 82.049 | 0.25815 | 0.00000 | 602892.1 | 419015.3 | 0.0 | S |
| 108.358 | 0.0000 | 0.0000 | 82.049 | 0.25813 | 0.00000 | 602892.1 | 419023.0 | 0.0 | S |
| 108.367 | 0.0000 | 0.0000 | 82.049 | 0.25811 | 0.00000 | 602892.1 | 419030.8 | 0.0 | S |
| 108.375 | 0.0000 | 0.0000 | 82.049 | 0.25809 | 0.00000 | 602892.1 | 419038.5 | 0.0 | S |
| 108.383 | 0.0000 | 0.0000 | 82.048 | 0.25807 | 0.00000 | 602892.1 | 419046.3 | 0.0 | S |
| 108.392 | 0.0000 | 0.0000 | 82.048 | 0.25805 | 0.00000 | 602892.1 | 419054.0 | 0.0 | S |
| 108.400 | 0.0000 | 0.0000 | 82.048 | 0.25803 | 0.00000 | 602892.1 | 419061.7 | 0.0 | S |
| 108.408 | 0.0000 | 0.0000 | 82.048 | 0.25801 | 0.00000 | 602892.1 | 419069.5 | 0.0 | S |
| 108.417 | 0.0000 | 0.0000 | 82.048 | 0.25799 | 0.00000 | 602892.1 | 419077.2 | 0.0 | S |
| 108.425 | 0.0000 | 0.0000 | 82.048 | 0.25797 | 0.00000 | 602892.1 | 419084.9 | 0.0 | S |
| 108.433 | 0.0000 | 0.0000 | 82.048 | 0.25795 | 0.00000 | 602892.1 | 419092.7 | 0.0 | S |
| 108.442 | 0.0000 | 0.0000 | 82.047 | 0.25793 | 0.00000 | 602892.1 | 419100.4 | 0.0 | S |
| 108.450 | 0.0000 | 0.0000 | 82.047 | 0.25791 | 0.00000 | 602892.1 | 419108.2 | 0.0 | S |
| 108.458 | 0.0000 | 0.0000 | 82.047 | 0.25789 | 0.00000 | 602892.1 | 419115.9 | 0.0 | S |
| 108.467 | 0.0000 | 0.0000 | 82.047 | 0.25787 | 0.00000 | 602892.1 | 419123.6 | 0.0 | S |
| 108.475 | 0.0000 | 0.0000 | 82.047 | 0.25785 | 0.00000 | 602892.1 | 419131.4 | 0.0 | S |
| 108.483 | 0.0000 | 0.0000 | 82.047 | 0.25783 | 0.00000 | 602892.1 | 419139.1 | 0.0 | S |
| 108.492 | 0.0000 | 0.0000 | 82.047 | 0.25781 | 0.00000 | 602892.1 | 419146.8 | 0.0 | S |
| 108.500 | 0.0000 | 0.0000 | 82.047 | 0.25779 | 0.00000 | 602892.1 | 419154.6 | 0.0 | S |
| 108.508 | 0.0000 | 0.0000 | 82.046 | 0.25777 | 0.00000 | 602892.1 | 419162.3 | 0.0 | S |
| 108.517 | 0.0000 | 0.0000 | 82.046 | 0.25775 | 0.00000 | 602892.1 | 419170.0 | 0.0 | S |
| 108.525 | 0.0000 | 0.0000 | 82.046 | 0.25773 | 0.00000 | 602892.1 | 419177.8 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Outside Recharge (f/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{fl}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume (fis) | Cumulative Infiltration Volume ( $\mathrm{fl}^{3}$ ) | Cumulative <br> Discharge <br> Volume ( $\mathrm{ft}^{3}$ ) | $\begin{aligned} & \text { Flow } \\ & \text { Type } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 108.533 | 0.0000 | 0.0000 | 82.046 | 0.25771 | 0.00000 | 602892.1 | 419185.5 | 0.0 | S |
| 108.542 | 0.0000 | 0.0000 | 82.046 | 0.25769 | 0.00000 | 602892.1 | 419193.3 | 0.0 | S |
| 108.550 | 0.0000 | 0.0000 | 82.046 | 0.25767 | 0.00000 | 602892.1 | 419201.0 | 0.0 | S |
| 108.558 | 0.0000 | 0.0000 | 82.046 | 0.25765 | 0.00000 | 602892.1 | 419208.7 | 0.0 | S |
| 108.567 | 0.0000 | 0.0000 | 82.045 | 0.25763 | 0.00000 | 602892.1 | 419216.4 | 0.0 | S |
| 108.575 | 0.0000 | 0.0000 | 82.045 | 0.25761 | 0.00000 | 602892.1 | 419224.2 | 0.0 | S |
| 108.583 | 0.0000 | 0.0000 | 82.045 | 0.25759 | 0.00000 | 602892.1 | 419231.9 | 0.0 | S |
| 108.592 | 0.0000 | 0.0000 | 82.045 | 0.25757 | 0.00000 | 602892.1 | 419239.6 | 0.0 | S |
| 108.600 | 0.0000 | 0.0000 | 82.045 | 0.25755 | 0.00000 | 602892.1 | 419247.3 | 0.0 | S |
| 108.608 | 0.0000 | 0.0000 | 82.045 | 0.25753 | 0.00000 | 602892.1 | 419255.1 | 0.0 | S |
| 108.617 | 0.0000 | 0.0000 | 82.045 | 0.25751 | 0.00000 | 602892.1 | 419262.8 | 0.0 | S |
| 108.625 | 0.0000 | 0.0000 | 82.045 | 0.25749 | 0.00000 | 602892.1 | 419270.5 | 0.0 | S |
| 108.633 | 0.0000 | 0.0000 | 82.044 | 0.25748 | 0.00000 | 602892.1 | 419278.3 | 0.0 | S |
| 108.642 | 0.0000 | 0.0000 | 82.044 | 0.25746 | 0.00000 | 602892.1 | 419286.0 | 0.0 | 5 |
| 108.650 | 0.0000 | 0.0000 | 82.044 | 0.25744 | 0.00000 | 602892.1 | 419293.7 | 0.0 | S |
| 108.658 | 0.0000 | 0.0000 | 82.044 | 0.25742 | 0.00000 | 602892.7 | 419301.4 | 0.0 | S |
| 108.667 | 0.0000 | 0.0000 | 82.044 | 0.25740 | 0.00000 | 602892.1 | 419309.1 | 0.0 | S |
| 108.675 | 0.0000 | 0.0000 | 82.044 | 0.25738 | 0.00000 | 602892.1 | 419316.8 | 0.0 | S |
| 108.683 | 0.0000 | 0.0000 | 82.044 | 0.25736 | 0.00000 | 602892.1 | 419324.6 | 0.0 | S |
| 108.692 | 0.0000 | 0.0000 | 82.043 | 0.25734 | 0.00000 | 602892.1 | 419332.3 | 0.0 | S |
| 108.700 | 0.0000 | 0.0000 | 82.043 | 0.25732 | 0.00000 | 602892.1 | 419340.0 | 0.0 | S |
| 108.708 | 0.0000 | 0.0000 | 82.043 | 0.25730 | 0.00000 | 602892.1 | 419347.8 | 0.0 | S |
| 108.717 | 0.0000 | 0.0000 | 82.043 | 0.25728 | 0.00000 | 602892.1 | 419355.5 | 0.0 | S |
| 108.725 | 0.0000 | 0.0000 | 82.043 | 0.25726 | 0.00000 | 602892.1 | 419363.2 | 0.0 | S |
| 108.733 | 0.0000 | 0.0000 | 82.043 | 0.25724 | 0.00000 | 602892.1 | 419370.9 | 0.0 | S |
| 108.742 | 0.0000 | 0.0000 | 82.043 | 0.25722 | 0.00000 | 602892.1 | 419378.6 | 0.0 | 5 |
| 108.750 | 0.0000 | 0.0000 | 82.043 | 0.25720 | 0.00000 | 602892.1 | 419386.3 | 0.0 | S |
| 108.758 | 0.0000 | 0.0000 | 82.042 | 0.25718 | 0.00000 | 602892.1 | 419394.0 | 0.0 | 5 |
| 108.767 | 0.0000 | 0.0000 | 82.042 | 0.25716 | 0.00000 | 602892.1 | 419401.8 | 0.0 | S |
| 108.775 | 0.0000 | 0.0000 | 82.042 | 0.25714 | 0.00000 | 602892.1 | 419409.5 | 0.0 | S |
| 108.783 | 0.0000 | 0.0000 | 82.042 | 0.25712 | 0.00000 | 602892.1 | 419417.2 | 0.0 | S |
| 108.792 | 0.0000 | 0.0000 | 82.042 | 0.25710 | 0.00000 | 602892.1 | 419424.9 | 0.0 | S |
| 108.800 | 0.0000 | 0.0000 | 82.042 | 0.25708 | 0.00000 | 602892.1 | 419432.6 | 0.0 | S |
| 108.808 | 0.0000 | 0.0000 | 82.042 | 0.25706 | 0.00000 | 602892.1 | 419440.3 | 0.0 | S |
| 108.817 | 0.0000 | 0.0000 | 82.041 | 0.25704 | 0.00000 | 602892.1 | 419448.0 | 0.0 | S |
| 108.825 | 0.0000 | 0.0000 | 82.041 | 0.25702 | 0.00000 | 602892.1 | 419455.8 | 0.0 | S |
| 108.833 | 0.0000 | 0.0000 | 82.041 | 0.25700 | 0.00000 | 602892.1 | 419463.5 | 0.0 | S |
| 108.842 | 0.0000 | 0.0000 | 82.041 | 0.25698 | 0.00000 | 602892.1 | 419471.2 | 0.0 | S |
| 108.850 | 0.0000 | 0.0000 | 82.041 | 0.25696 | 0.00000 | 602892.1 | 419478.9 | 0.0 | S |
| 108.858 | 0.0000 | 0.0000 | 82.041 | 0.25694 | 0.00000 | 602892.1 | 419486.6 | 0.0 | S |
| 108.867 | 0.0000 | 0.0000 | 82.041 | 0.25692 | 0.00000 | 602892.1 | 419494.3 | 0.0 | S |
| 108.875 | 0.0000 | 0.0000 | 82.041 | 0.25691 | 0.00000 | 602892.1 | 419502.0 | 0.0 | S |
| 108.883 | 0.0000 | 0.0000 | 82.040 | 0.25689 | 0.00000 | 602892.1 | 419509.7 | 0.0 | S |
| 108.892 | 0.0000 | 0.0000 | 82.040 | 0.25687 | 0.00000 | 602892.1 | 419517.4 | 0.0 | S |
| 108.900 | 0.0000 | 0.0000 | 82.040 | 0.25685 | 0.00000 | 602892.1 | 419525.1 | 0.0 | S |
| 108.908 | 0.0000 | 0.0000 | 82.040 | 0.25683 | 0.00000 | 602892.1 | 419532.8 | 0.0 | S |
| 108.917 | 0.0000 | 0.0000 | 82.040 | 0.25681 | 0.00000 | 602892.1 | 419540.5 | 0.0 | S |
| 108.925 | 0.0000 | 0.0000 | 82.040 | 0.25679 | 0.00000 | 602892.1 | 419548.2 | 0.0 | S |
| 108.933 | 0.0000 | 0.0000 | 82.040 | 0.25677 | 0.00000 | 602892.1 | 419555.9 | 0.0 | S |
| 108.942 | 0.0000 | 0.0000 | 82.039 | 0.25675 | 0.00000 | 602892.1 | 419563.6 | 0.0 | S |
| 108.950 | 0.0000 | 0.0000 | 82.039 | 0.25673 | 0.00000 | 602892.1 | 419571.3 | 0.0 | S |
| 108.958 | 0.0000 | 0.0000 | 82.039 | 0.25671 | 0.00000 | 602892.1 | 419579.0 | 0.0 | S |
| 108.967 | 0.0000 | 0.0000 | 82.039 | 0.25669 | 0.00000 | 602892.1 | 419586.8 | 0.0 | S |
| 108.975 | 0.0000 | 0.0000 | 82.039 | 0.25667 | 0.00000 | 602892.1 | 419594.4 | 0.0 | S |
| 108.983 | 0.0000 | 0.0000 | 82.039 | 0.25665 | 0.00000 | 602892.1 | 419602.2 | 0.0 | S |
| 108.992 | 0.0000 | 0.0000 | 82.039 | 0.25663 | 0.00000 | 602892.1 | 419609.8 | 0.0 | S |
| 109.000 | 0.0000 | 0.0000 | 82.039 | 0.25661 | 0.00000 | 602892.1 | 419617.5 | 0.0 | S |
| 109.008 | 0.0000 | 0.0000 | 82.038 | 0.25659 | 0.00000 | 602892.1 | 419625.3 | 0.0 | S |
| 109.017 | 0.0000 | 0.0000 | 82.038 | 0.25657 | 0.00000 | 602892.1 | 419632.9 | 0.0 | S |
| 109.025 | 0.0000 | 0.0000 | 82.038 | 0.25655 | 0.00000 | 602892.1 | 419640.6 | 0.0 | S |
| 109.033 | 0.0000 | 0.0000 | 82.038 | 0.25653 | 0.00000 | 602892.1 | 419648.3 | 0.0 | S |
| 109.042 | 0.0000 | 0.0000 | 82.038 | 0.25651 | 0.00000 | 602892.1 | 419656.0 | 0.0 | S |
| 109.050 | 0.0000 | 0.0000 | 82.038 | 0.25649 | 0.00000 | 602892.1 | 419663.7 | 0.0 | S |
| 109.058 | 0.0000 | 0.0000 | 82.038 | 0.25647 | 0.00000 | 602892.1 | 419671.4 | 0.0 | S |
| 109.067 | 0.0000 | 0.0000 | 82.037 | 0.25645 | 0.00000 | 602892.1 | 419679.1 | 0.0 | S |
| 109.075 | 0.0000 | 0.0000 | 82.037 | 0.25644 | 0.00000 | 602892.1 | 419686.8 | 0.0 | S |
| 109.083 | 0.0000 | 0.0000 | 82.037 | 0.25642 | 0.00000 | 602892.1 | 419694.5 | 0.0 | S |
| 109.092 | 0.0000 | 0.0000 | 82.037 | 0.25640 | 0.00000 | 602892.1 | 419702.2 | 0.0 | S |
| 109.100 | 0.0000 | 0.0000 | 82.037 | 0.25638 | 0.00000 | 602892.1 | 419709.9 | 0.0 | S |
| 109.108 | 0.0000 | 0.0000 | 82.037 | 0.25636 | 0.00000 | 602892.1 | 419717.6 | 0.0 | S |
| 109.117 | 0.0000 | 0.0000 | 82.037 | 0.25634 | 0.00000 | 602892.1 | 419725.3 | 0.0 | S |
| 109.125 | 0.0000 | 0.0000 | 82.037 | 0.25632 | 0.00000 | 602892.1 | 419732.9 | 0.0 | S |
| 109.133 | 0.0000 | 0.0000 | 82.036 | 0.25630 | 0.00000 | 602892.1 | 419740.6 | 0.0 | S |
| 109.142 | 0.0000 | 0.0000 | 82.036 | 0.25628 | 0.00000 | 602892.1 | 419748.3 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{1 / 3}$ ) | Outside <br> Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathfrak{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Fiow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 109.150 | 0.0000 | 0.0000 | 82.036 | 0.25626 | 0.00000 | 602892.1 | 419756.0 | 0.0 | S |
| 109.158 | 0.0000 | 0.0000 | 82.036 | 0.25624 | 0.00000 | 602892.1 | 419763.7 | 0.0 | S |
| 109.167 | 0.0000 | 0.0000 | 82.036 | 0.25622 | 0.00000 | 602892.1 | 419771.4 | 0.0 | S |
| 109.175 | 0.0000 | 0.0000 | 82.036 | 0.25620 | 0.00000 | 602892.1 | 419779.1 | 0.0 | S |
| 109.183 | 0.0000 | 0.0000 | 82.036 | 0.25618 | 0.00000 | 602892.1 | 419786.8 | 0.0 | S |
| 109.192 | 0.0000 | 0.0000 | 82.035 | 0.25616 | 0.00000 | 602892.1 | 419794.4 | 0.0 | S |
| 109.200 | 0.0000 | 0.0000 | 82.035 | 0.25614 | 0.00000 | 602892.1 | 419802.1 | 0.0 | S |
| 109.208 | 0.0000 | 0.0000 | 82.035 | 0.25612 | 0.00000 | 602892.1 | 419809.8 | 0.0 | S |
| 109,217 | 0.0000 | 0.0000 | 82.035 | 0.25610 | 0.00000 | 602892.1 | 419817.5 | 0.0 | S |
| 109.225 | 0.0000 | 0.0000 | 82.035 | 0.25608 | 0.00000 | 602892.1 | 419825.2 | 0.0 | S |
| 109.233 | 0.0000 | 0.0000 | 82.035 | 0.25606 | 0.00000 | 602892.1 | 419832.9 | 0.0 | S |
| 109.242 | 0.0000 | 0.0000 | 82.035 | 0.25605 | 0.00000 | 602892.1 | 419840.5 | 0.0 | S |
| 109.250 | 0.0000 | 0.0000 | 82.035 | 0.25603 | 0.00000 | 602892.1 | 419848.2 | 0.0 | S |
| 109.258 | 0.0000 | 0.0000 | 82.034 | 0.25601 | 0.00000 | 602892.1 | 419855.9 | 0.0 | S |
| 109.267 | 0.0000 | 0.0000 | 82.034 | 0.25599 | 0.00000 | 602892.1 | 419863.6 | 0.0 | S |
| 109.275 | 0.0000 | 0.0000 | 82.034 | 0.25597 | 0.00000 | 602892.1 | 419871.3 | 0.0 | S |
| 109.283 | 0.0000 | 0.0000 | 82.034 | 0.25595 | 0.00000 | 602892.1 | 419878.9 | 0.0 | S |
| 109.292 | 0.0000 | 0.0000 | 82.034 | 0.25593 | 0.00000 | 602892.1 | 419886.6 | 0.0 | S |
| 109.300 | 0.0000 | 0.0000 | 82.034 | 0.25591 | 0.00000 | 602892.1 | 419894.3 | 0.0 | S |
| 109.308 | 0.0000 | 0.0000 | 82.034 | 0.25589 | 0.00000 | 602892.1 | 419902.0 | 0.0 | S |
| 109.317 | 0.0000 | 0.0000 | 82.033 | 0.25587 | 0.00000 | 602892.1 | 419909.7 | 0.0 | S |
| 109.325 | 0.0000 | 0.0000 | 82.033 | 0.25585 | 0.00000 | 602892.1 | 419917.3 | 0.0 | S |
| 109.333 | 0.0000 | 0.0000 | 82.033 | 0.25583 | 0.00000 | 602892.1 | 419925.0 | 0.0 | S |
| 109.342 | 0.0000 | 0.0000 | 82.033 | 0.25581 | 0.00000 | 602892.1 | 419932.7 | 0.0 | S |
| 109.350 | 0.0000 | 0.0000 | 82.033 | 0.25579 | 0.00000 | 602892.1 | 419940.3 | 0.0 | S |
| 109.358 | 0.0000 | 0.0000 | 82.033 | 0.25577 | 0.00000 | 602892.1 | 419948.0 | 0.0 | S |
| 109.367 | 0.0000 | 0.0000 | 82.033 | 0.25575 | 0.00000 | 602892.1 | 419955.7 | 0.0 | S |
| 109.375 | 0.0000 | 0.0000 | 82.033 | 0.25573 | 0.00000 | 602892.1 | 419963.4 | 0.0 | S |
| 109.383 | 0.0000 | 0.0000 | 82.032 | 0.25571 | 0.00000 | 602892.1 | 419971.0 | 0.0 | S |
| 109.392 | 0.0000 | 0.0000 | 82.032 | 0.25569 | 0.00000 | 602892.1 | 419978.7 | 0.0 | S |
| 109.400 | 0.0000 | 0.0000 | 82.032 | 0.25568 | 0.00000 | 602892.1 | 419986.4 | 0.0 | S |
| 109.408 | 0.0000 | 0.0000 | 82.032 | 0.25566 | 0.00000 | 602892.1 | 419994.1 | 0.0 | S |
| 109.417 | 0.0000 | 0.0000 | 82.032 | 0.25564 | 0.00000 | 602892.1 | 420001.7 | 0.0 | S |
| 109.425 | 0.0000 | 0.0000 | 82.032 | 0.25562 | 0.00000 | 602892.1 | 420009.4 | 0.0 | S |
| 109.433 | 0.0000 | 0.0000 | 82.032 | 0.25560 | 0.00000 | 602892.1 | 420017.1 | 0.0 | S |
| 109.442 | 0.0000 | 0.0000 | 82.031 | 0.25558 | 0.00000 | 602892.1 | 420024.7 | 0.0 | S |
| 109.450 | 0.0000 | 0.0000 | 82.031 | 0.25556 | 0.00000 | 602892.1 | 420032.4 | 0.0 | S |
| 109.458 | 0.0000 | 0.0000 | 82.031 | 0.25554 | 0.00000 | 602892.1 | 420040.1 | 0.0 | S |
| 109.467 | 0.0000 | 0.0000 | 82.031 | 0.25552 | 0.00000 | 602892.1 | 420047.7 | 0.0 | S |
| 109.475 | 0.0000 | 0.0000 | 82.031 | 0.25550 | 0.00000 | 602892.1 | 420055.4 | 0.0 | S |
| 109.483 | 0.0000 | 0.0000 | 82.031 | 0.25548 | 0.00000 | 602892.1 | 420063.1 | 0.0 | S |
| 109.492 | 0.0000 | 0.0000 | 82.031 | 0.25546 | 0.00000 | 602892.1 | 420070.7 | 0.0 | S |
| 109.500 | 0.0000 | 0.0000 | 82.031 | 0.25544 | 0.00000 | 602892.1 | 420078.4 | 0.0 | S |
| 109.508 | 0.0000 | 0.0000 | 82.030 | 0.25542 | 0.00000 | 602892.1 | 420086.1 | 0.0 | S |
| 109.517 | 0.0000 | 0.0000 | 82.030 | 0.25540 | 0.00000 | 602892.1 | 420093.7 | 0.0 | S |
| 109.525 | 0.0000 | 0.0000 | 82.030 | 0.25538 | 0.00000 | 602892.1 | 420101.4 | 0.0 | S |
| 109.533 | 0.0000 | 0.0000 | 82.030 | 0.25536 | 0.00000 | 602892.1 | 420109.0 | 0.0 | S |
| 109.542 | 0.0000 | 0.0000 | 82.030 | 0.25535 | 0.00000 | 602892.1 | 420116.7 | 0.0 | S |
| 109.550 | 0.0000 | 0.0000 | 82.030 | 0.25533 | 0.00000 | 602892.1 | 420124.3 | 0.0 | S |
| 109.558 | 0.0000 | 0.0000 | 82.030 | 0.25531 | 0.00000 | 602892.1 | 420132.0 | 0.0 | S |
| 109.567 | 0.0000 | 0.0000 | 82.029 | 0.25529 | 0.00000 | 602892.1 | 420139.7 | 0.0 | S |
| 109.575 | 0.0000 | 0.0000 | 82.029 | 0.25527 | 0.00000 | 602892.1 | 420147.3 | 0.0 | S |
| 109.583 | 0.0000 | 0.0000 | 82.029 | 0.25525 | 0.00000 | 602892.1 | 420155.0 | 0.0 | S |
| 109.592 | 0.0000 | 0.0000 | 82.029 | 0.25523 | 0.00000 | 602892.1 | 420162.7 | 0.0 | S |
| 109.600 | 0.0000 | 0.0000 | 82.029 | 0.25521 | 0.00000 | 602892.1 | 420170.3 | 0.0 | S |
| 109.608 | 0.0000 | 0.0000 | 82.029 | 0.25519 | 0.00000 | 602892.1 | 420178.0 | 0.0 | S |
| 109.617 | 0.0000 | 0.0000 | 82.029 | 0.25517 | 0.00000 | 602892.1 | 420185.6 | 0.0 | S |
| 109.625 | 0.0000 | 0.0000 | 82.029 | 0.25515 | 0.00000 | 602892.1 | 420193.3 | 0.0 | S |
| 109.633 | 0.0000 | 0.0000 | 82.028 | 0.25513 | 0.00000 | 602892.1 | 420200.9 | 0.0 | S |
| 109.642 | 0.0000 | 0.0000 | 82.028 | 0.25511 | 0.00000 | 602892.1 | 420208.6 | 0.0 | S |
| 109.650 | 0.0000 | 0.0000 | 82.028 | 0.25509 | 0.00000 | 602892.1 | 420216.2 | 0.0 | S |
| 109.658 | 0.0000 | 0.0000 | 82.028 | 0.25507 | 0.00000 | 602892.1 | 420223.9 | 0.0 | S |
| 109.667 | 0.0000 | 0.0000 | 82.028 | 0.25505 | 0.00000 | 602892.1 | 420231.5 | 0.0 | S |
| 109.675 | 0.0000 | 0.0000 | 82.028 | 0.25504 | 0.00000 | 602892.1 | 420239.2 | 0.0 | S |
| 109.683 | 0.0000 | 0.0000 | 82.028 | 0.25502 | 0.00000 | 602892.1 | 420246.8 | 0.0 | S |
| 109.692 | 0.0000 | 0.0000 | 82.027 | 0.25500 | 0.00000 | 602892.1 | 420254.5 | 0.0 | S |
| 109.700 | 0.0000 | 0.0000 | 82.027 | 0.25498 | 0.00000 | 602892.1 | 420262.1 | 0.0 | S |
| 109.708 | 0.0000 | 0.0000 | 82.027 | 0.25496 | 0.00000 | 602892.1 | 420269.8 | 0.0 | S |
| 109.717 | 0.0000 | 0.0000 | 82.027 | 0.25494 | 0.00000 | 602892.1 | 420277.4 | 0.0 | S |
| 109.725 | 0.0000 | 0.0000 | 82.027 | 0.25492 | 0.00000 | 602892.1 | 420285.1 | 0.0 | S |
| 109.733 | 0.0000 | 0.0000 | 82.027 | 0.25490 | 0.00000 | 602892.7 | 420292.7 | 0.0 | S |
| 109.742 | 0.0000 | 0.0000 | 82.027 | 0.25488 | 0.00000 | 602892.1 | 420300.4 | 0.0 | S |
| 109.750 | 0.0000 | 0.0000 | 82.027 | 0.25486 | 0.00000 | 602892.1 | 420308.0 | 0.0 | S |
| 109.758 | 0.0000 | 0.0000 | 82.026 | 0.25484 | 0.00000 | 602892.1 | 420315.7 | 0.0 | S |

PONDS Version 3.2.0207

# Retention Pond Recovery - Refined Method Copyright 2003 

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Outside Recharge (f/day) | Stage Elevation (ft datum) | Infiftration Rate (f13/s) | Overlow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 109.767 | 0.0000 | 0.0000 | 82.026 | 0.25482 | 0.00000 | 602892.1 | 420323.3 | 0.0 | S |
| 109.775 | 0.0000 | 0.0000 | 82.026 | 0.25480 | 0.00000 | 602892.1 | 420331.0 | 0.0 | S |
| 109.783 | 0.0000 | 0.0000 | 82.026 | 0.25478 | 0.00000 | 602892.1 | 420338.6 | 0.0 | S |
| 109.792 | 0.0000 | 0.0000 | 82.026 | 0.25477 | 0.00000 | 602892.1 | 420346.3 | 0.0 | S |
| 109.800 | 0.0000 | 0.0000 | 82.026 | 0.25475 | 0.00000 | 602892.1 | 420353.9 | 0.0 | S |
| 109.808 | 0.0000 | 0.0000 | 82.026 | 0.25473 | 0.00000 | 602892.7 | 420361.5 | 0.0 | S |
| 109.817 | 0.0000 | 0.0000 | 82.025 | 0.25471 | 0.00000 | 602892.1 | 420369.2 | 0.0 | 5 |
| 109.825 | 0.0000 | 0.0000 | 82.025 | 0.25469 | 0.00000 | 602892.1 | 420376.8 | 0.0 | S |
| 109.833 | 0.0000 | 0.0000 | 82.025 | 0.25467 | 0.00000 | 602892.1 | 420384.4 | 0.0 | 5 |
| 109.842 | 0.0000 | 0.0000 | 82.025 | 0.25465 | 0.00000 | 602892.1 | 420392.1 | 0.0 | S |
| 109.850 | 0.0000 | 0.0000 | 82.025 | 0.25463 | 0.00000 | 602892.1 | 420399.7 | 0.0 | S |
| 109.858 | 0.0000 | 0.0000 | 82.025 | 0.25461 | 0.00000 | 602892.1 | 420407.4 | 0.0 | S |
| 109.867 | 0.0000 | 0.0000 | 82.025 | 0.25459 | 0.00000 | 602892.1 | 420415.0 | 0.0 | S |
| 109.875 | 0.0000 | 0.0000 | 82.025 | 0.25457 | 0.00000 | 602892.1 | 420422.7 | 0.0 | S |
| 109.883 | 0.0000 | 0.0000 | 82.024 | 0.25455 | 0.00000 | 602892.1 | 420430.3 | 0.0 | S |
| 109.892 | 0.0000 | 0.0000 | 82.024 | 0.25453 | 0.00000 | 602892.1 | 420437.9 | 0.0 | S |
| 109.900 | 0.0000 | 0.0000 | 82.024 | 0.25451 | 0.00000 | 602892.1 | 420445.6 | 0.0 | S |
| 109.908 | 0.0000 | 0.0000 | 82.024 | 0.25450 | 0.00000 | 602892.1 | 420453.2 | 0.0 | S |
| 109.917 | 0.0000 | 0.0000 | 82.024 | 0.25448 | 0.00000 | 602892.1 | 420460.8 | 0.0 | S |
| 109.925 | 0.0000 | 0.0000 | 82.024 | 0.25446 | 0.00000 | 602892.1 | 420468.5 | 0.0 | S |
| 109.933 | 0.0000 | 0.0000 | 82.024 | 0.25444 | 0.00000 | 602892.1 | 420476.1 | 0.0 | S |
| 109.942 | 0.0000 | 0.0000 | 82.023 | 0.25442 | 0.00000 | 602892.1 | 420483.7 | 0.0 | S |
| 109.950 | 0.0000 | 0.0000 | 82.023 | 0.25440 | 0.00000 | 602892.1 | 420491.3 | 0.0 | S |
| 109.958 | 0.0000 | 0.0000 | 82.023 | 0.25438 | 0.00000 | 602892.1 | 420499.0 | 0.0 | S |
| 109.967 | 0.0000 | 0.0000 | 82.023 | 0.25436 | 0.00000 | 602892.1 | 420506.6 | 0.0 | S |
| 109.975 | 0.0000 | 0.0000 | 82.023 | 0.25434 | 0.00000 | 602892.1 | 420514.3 | 0.0 | S |
| 109.983 | 0.0000 | 0.0000 | 82.023 | 0.25432 | 0.00000 | 602892.1 | 420521.9 | 0.0 | S |
| 109.992 | 0.0000 | 0.0000 | 82.023 | 0.25430 | 0.00000 | 602892.1 | 420529.5 | 0.0 | S |
| 110.000 | 0.0000 | 0.0000 | 82.023 | 0.25428 | 0.00000 | 602892.1 | 420537.1 | 0.0 | S |
| 110.008 | 0.0000 | 0.0000 | 82.022 | 0.25426 | 0.00000 | 602892.1 | 420544.8 | 0.0 | S |
| 110.017 | 0.0000 | 0.0000 | 82.022 | 0.25425 | 0.00000 | 602892.1 | 420552.4 | 0.0 | S |
| 110.025 | 0.0000 | 0.0000 | 82.022 | 0.25423 | 0.00000 | 602892.1 | 420560.0 | 0.0 | S |
| 110.033 | 0.0000 | 0.0000 | 82.022 | 0.25421 | 0.00000 | 602892.1 | 420567.7 | 0.0 | S |
| 110.042 | 0.0000 | 0.0000 | 82.022 | 0.25419 | 0.00000 | 602892.1 | 420575.3 | 0.0 | S |
| 110.050 | 0.0000 | 0.0000 | 82.022 | 0.25417 | 0.00000 | 602892.1 | 420582.9 | 0.0 | S |
| 110.058 | 0.0000 | 0.0000 | 82.022 | 0.25415 | 0.00000 | 602892.1 | 420590.5 | 0.0 | S |
| 110.067 | 0.0000 | 0.0000 | 82.022 | 0.25413 | 0.00000 | 602892.1 | 420598.2 | 0.0 | S |
| 110.075 | 0.0000 | 0.0000 | 82.021 | 0.25411 | 0.00000 | 602892.1 | 420605.8 | 0.0 | S |
| 110.083 | 0.0000 | 0.0000 | 82.021 | 0.25409 | 0.00000 | 602892.1 | 420613.4 | 0.0 | S |
| 110.092 | 0.0000 | 0.0000 | 82.021 | 0.25407 | 0.00000 | 602892.1 | 420621.0 | 0.0 | S |
| 110.100 | 0.0000 | 0.0000 | 82.021 | 0.25405 | 0.00000 | 602892.1 | 420628.6 | 0.0 | 5 |
| 110.108 | 0.0000 | 0.0000 | 82.021 | 0.25403 | 0.00000 | 602892.1 | 420636.3 | 0.0 | S |
| 110.117 | 0.0000 | 0.0000 | 82.021 | 0.25401 | 0.00000 | 602882.1 | 420643.9 | 0.0 | S |
| 110.125 | 0.0000 | 0.0000 | 82.021 | 0.25400 | 0.00000 | 602892.1 | 420651.5 | 0.0 | S |
| 110.133 | 0.0000 | 0.0000 | 82.020 | 0.25398 | 0.00000 | 602892.1 | 420659.1 | 0.0 | S |
| 110.142 | 0.0000 | 0.0000 | 82.020 | 0.25396 | 0.00000 | 602892.1 | 420666.8 | 0.0 | S |
| 110.150 | 0.0000 | 0.0000 | 82.020 | 0.25394 | 0.00000 | 602892.1 | 420674.3 | 0.0 | S |
| 110.158 | 0.0000 | 0.0000 | 82.020 | 0.25392 | 0.00000 | 602892.1 | 420682.0 | 0.0 | S |
| 110.167 | 0.0000 | 0.0000 | 82.020 | 0.25390 | 0.00000 | 602892.1 | 420689.6 | 0.0 | S |
| 110.175 | 0.0000 | 0.0000 | 82.020 | 0.25388 | 0.00000 | 602892.1 | 420697.2 | 0.0 | S |
| 110.183 | 0.0000 | 0.0000 | 82.020 | 0.25386 | 0.00000 | 602892.1 | 420704.8 | 0.0 | S |
| 110.192 | 0.0000 | 0.0000 | 82.020 | 0.25384 | 0.00000 | 602892.1 | 420712.4 | 0.0 | S |
| 110.200 | 0.0000 | 0.0000 | 82.019 | 0.25382 | 0.00000 | 602892.1 | 420720.1 | 0.0 | S |
| 110.208 | 0.0000 | 0.0000 | 82.019 | 0.25380 | 0.00000 | 602892.1 | 420727.7 | 0.0 | S |
| 110.217 | 0.0000 | 0.0000 | 82.019 | 0.25378 | 0.00000 | 602892.1 | 420735.3 | 0.0 | S |
| 110.225 | 0.0000 | 0.0000 | 82.019 | 0.25377 | 0.00000 | 602892.1 | 420742.9 | 0.0 | S |
| 110.233 | 0.0000 | 0.0000 | 82.019 | 0.25375 | 0.00000 | 602892.1 | 420750.5 | 0.0 | S |
| 110.242 | 0.0000 | 0.0000 | 82.019 | 0.25373 | 0.00000 | 602892.1 | 420758.1 | 0.0 | S |
| 110.250 | 0.0000 | 0.0000 | 82.019 | 0.25371 | 0.00000 | 602892.1 | 420765.7 | 0.0 | S |
| 110.258 | 0.0000 | 0.0000 | 82.018 | 0.25369 | 0.00000 | 602892.1 | 420773.3 | 0.0 | S |
| 110.267 | 0.0000 | 0.0000 | 82.018 | 0.25367 | 0.00000 | 602892.1 | 420781.0 | 0.0 | S |
| 110.275 | 0.0000 | 0.0000 | 82.018 | 0.25365 | 0.00000 | 602892.1 | 420788.6 | 0.0 | S |
| 110.283 | 0.0000 | 0.0000 | 82.018 | 0.25363 | 0.00000 | 602892.1 | 420796.2 | 0.0 | S |
| 110.292 | 0.0000 | 0.0000 | 82.018 | 0.25361 | 0.00000 | 602892.1 | 420803.8 | 0.0 | S |
| 110.300 | 0.0000 | 0.0000 | 82.018 | 0.25359 | 0.00000 | 602892.1 | 420811.4 | 0.0 | S |
| 110.308 | 0.0000 | 0.0000 | 82.018 | 0.25357 | 0.00000 | 602892.1 | 420819.0 | 0.0 | S |
| 110.317 | 0.0000 | 0.0000 | 82.018 | 0.25355 | 0.00000 | 602892.1 | 420826.6 | 0.0 | S |
| 110.325 | 0.0000 | 0.0000 | 82.017 | 0.25354 | 0.00000 | 602892.1 | 420834.2 | 0.0 | S |
| 110.333 | 0.0000 | 0.0000 | 82.017 | 0.25352 | 0.00000 | 602892.1 | 420841.8 | 0.0 | S |
| 110.342 | 0.0000 | 0.0000 | 82.017 | 0.25350 | 0.00000 | 602892.1 | 420849.4 | 0.0 | S |
| 110.350 | 0.0000 | 0.0000 | 82.017 | 0.25348 | 0.00000 | 602892.1 | 420857.0 | 0.0 | S |
| 110.358 | 0.0000 | 0.0000 | 82.017 | 0.25346 | 0.00000 | 602892.1 | 420864.6 | 0.0 | S |
| 110.367 | 0.0000 | 0.0000 | 82.017 | 0.25344 | 0.00000 | 602892.1 | 420872.2 | 0.0 | S |
| 110.375 | 0.0000 | 0.0000 | 82.017 | 0.25342 | 0.00000 | 602892.3 | 420879.8 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 /} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{fl}^{3 / \mathrm{s}}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ff}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 110.383 | 0.0000 | 0.0000 | 82.016 | 0.25340 | 0.00000 | 602892.1 | 420887.4 | 0.0 | S |
| 110.392 | 0.0000 | 0.0000 | 82.016 | 0.25338 | 0.00000 | 602892.7 | 420895.0 | 0.0 | S |
| 110.400 | 0.0000 | 0.0000 | 82.016 | 0.25336 | 0.00000 | 602892.7 | 420902.7 | 0.0 | S |
| 110.408 | 0.0000 | 0.0000 | 82.016 | 0.25334 | 0.00000 | 602892.1 | 420910.3 | 0.0 | S |
| 110.417 | 0.0000 | 0.0000 | 82.016 | 0.25333 | 0.00000 | 602892.1 | 420917.8 | 0.0 | S |
| 110.425 | 0.0000 | 0.0000 | 82.016 | 0.25331 | 0.00000 | 602892.1 | 420925.4 | 0.0 | S |
| 110.433 | 0.0000 | 0.0000 | 82.016 | 0.25329 | 0.00000 | 602892.1 | 420933.0 | 0.0 | S |
| 110.442 | 0.0000 | 0.0000 | 82.016 | 0.25327 | 0.00000 | 602892.1 | 420940.6 | 0.0 | S |
| 110.450 | 0.0000 | 0.0000 | 82.015 | 0.25325 | 0.00000 | 602892.1 | 420948.3 | 0.0 | S |
| 110.458 | 0.0000 | 0.0000 | 82.015 | 0.25323 | 0.00000 | 602892.1 | 420955.8 | 0.0 | S |
| 110.467 | 0.0000 | 0.0000 | 82.015 | 0.25321 | 0.00000 | 602892.1 | 420963.4 | 0.0 | S |
| 110.475 | 0.0000 | 0.0000 | 82.015 | 0.25319 | 0.00000 | 602892.1 | 420971.0 | 0.0 | S |
| 110.483 | 0.0000 | 0.0000 | 82.015 | 0.25317 | 0.00000 | 602892.1 | 420978.6 | 0.0 | S |
| 110.492 | 0.0000 | 0.0000 | 82.015 | 0.25315 | 0.00000 | 602892.1 | 420986.2 | 0.0 | S |
| 110.500 | 0.0000 | 0.0000 | 82.015 | 0.25313 | 0.00000 | 602892.1 | 420993.8 | 0.0 | S |
| 110.508 | 0.0000 | 0.0000 | 82.014 | 0.25312 | 0.00000 | 602892.1 | 421001.4 | 0.0 | S |
| 110.517 | 0.0000 | 0.0000 | 82.014 | 0.25310 | 0.00000 | 602892.1 | 421009.0 | 0.0 | S |
| 110.525 | 0.0000 | 0.0000 | 82.014 | 0.25308 | 0.00000 | 602892.1 | 421016.6 | 0.0 | S |
| 110.533 | 0.0000 | 0.0000 | 82.014 | 0.25306 | 0.00000 | 602892.1 | 421024.2 | 0.0 | S |
| 110.542 | 0.0000 | 0.0000 | 82.014 | 0.25304 | 0.00000 | 602892.1 | 421031.8 | 0.0 | S |
| 110.550 | 0.0000 | 0.0000 | 82.014 | 0.25302 | 0.00000 | 602892.1 | 421039.4 | 0.0 | S |
| 110.558 | 0.0000 | 0.0000 | 82.014 | 0.25300 | 0.00000 | 602892.1 | 421047.0 | 0.0 | S |
| 110.567 | 0.0000 | 0.0000 | 82.014 | 0.25298 | 0.00000 | 602892.1 | 421054.5 | 0.0 | S |
| 110.575 | 0.0000 | 0.0000 | 82.013 | 0.25296 | 0.00000 | 602892.1 | 421062.1 | 0.0 | S |
| 110.583 | 0.0000 | 0.0000 | 82.013 | 0.25294 | 0.00000 | 602892.1 | 421069.7 | 0.0 | S |
| 110.592 | 0.0000 | 0.0000 | 82.013 | 0.25293 | 0.00000 | 602892.1 | 421077.3 | 0.0 | S |
| 110.600 | 0.0000 | 0.0000 | 82.013 | 0.25291 | 0.00000 | 602892.1 | 421084.9 | 0.0 | S |
| 110.608 | 0.0000 | 0.0000 | 82.013 | 0.25289 | 0.00000 | 602892.1 | 421092.5 | 0.0 | S |
| 110.617 | 0.0000 | 0.0000 | 82.013 | 0.25287 | 0.00000 | 602892.1 | 421100.1 | 0.0 | S |
| 110.625 | 0.0000 | 0.0000 | 82.013 | 0.25285 | 0.00000 | 602892.1 | 421107.7 | 0.0 | S |
| 110.633 | 0.0000 | 0.0000 | 82.013 | 0.25283 | 0.00000 | 602892.1 | 421115.3 | 0.0 | S |
| 110.642 | 0.0000 | 0.0000 | 82.012 | 0.25281 | 0.00000 | 602892.1 | 421122.8 | 0.0 | S |
| 110.650 | 0.0000 | 0.0000 | 82.012 | 0.25279 | 0.00000 | 602892.1 | 421130.4 | 0.0 | S |
| 110.658 | 0.0000 | 0.0000 | 82.012 | 0.25277 | 0.00000 | 602892.1 | 421138.0 | 0.0 | S |
| 110.667 | 0.0000 | 0.0000 | 82.012 | 0.25275 | 0.00000 | 602892.1 | 421145.6 | 0.0 | S |
| 110.675 | 0.0000 | 0.0000 | 82.012 | 0.25274 | 0.00000 | 602892.1 | 421153.2 | 0.0 | S |
| 110.683 | 0.0000 | 0.0000 | 82.012 | 0.25272 | 0.00000 | 602892.1 | 421160.8 | 0.0 | S |
| 110.692 | 0.0000 | 0.0000 | 82.012 | 0.25270 | 0.00000 | 602892.1 | 427168.3 | 0.0 | S |
| 110.700 | 0.0000 | 0.0000 | 82.011 | 0.25268 | 0.00000 | 602892.1 | 421175.9 | 0.0 | S |
| 110.708 | 0.0000 | 0.0000 | 82.011 | 0.25266 | 0.00000 | 602892.1 | 421183.5 | 0.0 | S |
| 110.717 | 0.0000 | 0.0000 | 82.011 | 0.25264 | 0.00000 | 602892.1 | 421191.1 | 0.0 | S |
| 110.725 | 0.0000 | 0.0000 | 82.011 | 0.25262 | 0.00000 | 602892.1 | 421198.7 | 0.0 | S |
| 110.733 | 0.0000 | 0.0000 | 82.011 | 0.25260 | 0.00000 | 602892.1 | 421206.2 | 0.0 | S |
| 110.742 | 0.0000 | 0.0000 | 82.011 | 0.25258 | 0.00000 | 602892.1 | 421213.8 | 0.0 | S |
| 110.750 | 0.0000 | 0.0000 | 82.011 | 0.25256 | 0.00000 | 602892.1 | 421221.4 | 0.0 | S |
| 110.758 | 0.0000 | 0.0000 | 82.011 | 0.25255 | 0.00000 | 602892.1 | 421228.9 | 0.0 | S |
| 110.767 | 0.0000 | 0.0000 | 82.010 | 0.25253 | 0.00000 | 602892.1 | 421236.5 | 0.0 | S |
| 110.775 | 0.0000 | 0.0000 | 82.010 | 0.25251 | 0.00000 | 602892.1 | 421244.1 | 0.0 | S |
| 110.783 | 0.0000 | 0.0000 | 82.010 | 0.25249 | 0.00000 | 602892.1 | 421251.7 | 0.0 | S |
| 110.792 | 0.0000 | 0.0000 | 82.010 | 0.25247 | 0.00000 | 602892.1 | 421259.3 | 0.0 | S |
| 110.800 | 0.0000 | 0.0000 | 82.010 | 0.25245 | 0.00000 | 602892.1 | 421266.8 | 0.0 | S |
| 110.808 | 0.0000 | 0.0000 | 82.010 | 0.25243 | 0.00000 | 602892.1 | 421274.4 | 0.0 | S |
| 110.817 | 0.0000 | 0.0000 | 82.010 | 0.25241 | 0.00000 | 602892.1 | 421282.0 | 0.0 | S |
| 110.825 | 0.0000 | 0.0000 | 82.009 | 0.25239 | 0.00000 | 602892.1 | 421289.5 | 0.0 | S |
| 110.833 | 0.0000 | 0.0000 | 82.009 | 0.25237 | 0.00000 | 602892.1 | 421297.1 | 0.0 | S |
| 110.842 | 0.0000 | 0.0000 | 82.009 | 0.25236 | 0.00000 | 602892.1 | 421304.7 | 0.0 | S |
| 110.850 | 0.0000 | 0.0000 | 82.009 | 0.25234 | 0.00000 | 602892.1 | 421312.3 | 0.0 | S |
| 110.858 | 0.0000 | 0.0000 | 82.009 | 0.25232 | 0.00000 | 602892.1 | 421319.8 | 0.0 | S |
| 110.867 | 0.0000 | 0.0000 | 82.009 | 0.25230 | 0.00000 | 602892.1 | 421327.4 | 0.0 | S |
| 110.875 | 0.0000 | 0.0000 | 82.009 | 0.25228 | 0.00000 | 602892.1 | 421335.0 | 0.0 | S |
| 110.883 | 0.0000 | 0.0000 | 82.009 | 0.25226 | 0.00000 | 602892.1 | 421342.5 | 0.0 | S |
| 110.892 | 0.0000 | 0.0000 | 82.008 | 0.25224 | 0.00000 | 602892.1 | 421350.1 | 0.0 | S |
| 110.900 | 0.0000 | 0.0000 | 82.008 | 0.25222 | 0.00000 | 602892.1 | 421357.7 | 0.0 | S |
| 110.908 | 0.0000 | 0.0000 | 82.008 | 0.25220 | 0.00000 | 602892.1 | 421365.3 | 0.0 | S |
| 110.917 | 0.0000 | 0.0000 | 82.008 | 0.25219 | 0.00000 | 602892.1 | 421372.8 | 0.0 | S |
| 110.925 | 0.0000 | 0.0000 | 82.008 | 0.25217 | 0.00000 | 602892.1 | 421380.4 | 0.0 | S |
| 110.933 | 0.0000 | 0.0000 | 82.008 | 0.25215 | 0.00000 | 602892.1 | 421387.9 | 0.0 | S |
| 110.942 | 0.0000 | 0.0000 | 82.008 | 0.25213 | 0.00000 | 602892.1 | 421395.5 | 0.0 | S |
| 110.950 | 0.0000 | 0.0000 | 82.008 | 0.25211 | 0.00000 | 602892.1 | 421403.1 | 0.0 | S |
| 110.958 | 0.0000 | 0.0000 | 82.007 | 0.25209 | 0.00000 | 602892.1 | 421410.6 | 0.0 | S |
| 110.967 | 0.0000 | 0.0000 | 82.007 | 0.25207 | 0.00000 | 602892.1 | 421418.2 | 0.0 | S |
| 110.975 | 0.0000 | 0.0000 | 82.007 | 0.25205 | 0.00000 | 602892.1 | 421425.8 | 0.0 | S |
| 110.983 | 0.0000 | 0.0000 | 82.007 | 0.25203 | 0.00000 | 602892.1 | 421433.3 | 0.0 | S |
| 110.992 | 0.0000 | 0.0000 | 82.007 | 0.25201 | 0.00000 | 602892.1 | 421440.9 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year/24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Infiow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (f)day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{2 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{fl}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{fl}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 111.000 | 0.0000 | 0.0000 | 82.007 | 0.25200 | 0.00000 | 602892.1 | 421448.4 | 0.0 | S |
| 111.008 | 0.0000 | 0.0000 | 82.007 | 0.25198 | 0.00000 | 602892.1 | 421456.0 | 0.0 | S |
| 111.017 | 0.0000 | 0.0000 | 82.006 | 0.25196 | 0.00000 | 602892.1 | 421463.5 | 0.0 | S |
| 111.025 | 0.0000 | 0.0000 | 82.006 | 0.25194 | 0.00000 | 602892.1 | 421471.1 | 0.0 | S |
| 111.033 | 0.0000 | 0.0000 | 82.006 | 0.25192 | 0.00000 | 602892.1 | 421478.7 | 0.0 | S |
| 111.042 | 0.0000 | 0.0000 | 82.006 | 0.25190 | 0.00000 | 602892.1 | 421486.2 | 0.0 | S |
| 111.050 | 0.0000 | 0.0000 | 82.006 | 0.25188 | 0.00000 | 602892.1 | 421493.8 | 0.0 | S |
| 111.058 | 0.0000 | 0.0000 | 82.006 | 0.25186 | 0.00000 | 602892.1 | 421501.3 | 0.0 | S |
| 111.067 | 0.0000 | 0.0000 | 82.006 | 0.25184 | 0.00000 | 602892.1 | 421508.9 | 0.0 | S |
| 111.075 | 0.0000 | 0.0000 | 82.006 | 0.25183 | 0.00000 | 602892.1 | 421516.4 | 0.0 | S |
| 111.083 | 0.0000 | 0.0000 | 82.005 | 0.25181 | 0.00000 | 602892.1 | 421524.0 | 0.0 | S |
| 111.092 | 0.0000 | 0.0000 | 82.005 | 0.25179 | 0.00000 | 602892.1 | 421531.6 | 0.0 | S |
| 111.100 | 0.0000 | 0.0000 | 82.005 | 0.25177 | 0.00000 | 602892.1 | 421539.1 | 0.0 | S |
| 111.108 | 0.0000 | 0.0000 | 82.005 | 0.25175 | 0.00000 | 602892.1 | 421546.7 | 0.0 | S |
| 111.117 | 0.0000 | 0.0000 | 82.005 | 0.25173 | 0.00000 | 602892.1 | 421554.2 | 0.0 | S |
| 111.125 | 0.0000 | 0.0000 | 82.005 | 0.25171 | 0.00000 | 602892.1 | 421561.8 | 0.0 | S |
| 111.133 | 0.0000 | 0.0000 | 82.005 | 0.25169 | 0.00000 | 602892.1 | 421569.3 | 0.0 | S |
| 111.142 | 0.0000 | 0.0000 | 82.004 | 0.25168 | 0.00000 | 602892.1 | 421576.9 | 0.0 | S |
| 111.150 | 0.0000 | 0.0000 | 82.004 | 0.25166 | 0.00000 | 602892.1 | 421584.4 | 0.0 | S |
| 111.158 | 0.0000 | 0.0000 | 82.004 | 0.25164 | 0.00000 | 602892.1 | 421592.0 | 0.0 | S |
| 111.167 | 0.0000 | 0.0000 | 82.004 | 0.25162 | 0.00000 | 602892.1 | 421599.5 | 0.0 | S |
| 111.175 | 0.0000 | 0.0000 | 82.004 | 0.25160 | 0.00000 | 602892.1 | 421607.1 | 0.0 | S |
| 111.183 | 0.0000 | 0.0000 | 82.004 | 0.25158 | 0.00000 | 602892.1 | 421614.6 | 0.0 | S |
| 111.192 | 0.0000 | 0.0000 | 82.004 | 0.25156 | 0.00000 | 602892.1 | 421622.2 | 0.0 | S |
| 111.200 | 0.0000 | 0.0000 | 82.004 | 0.25154 | 0.00000 | 602892.1 | 421629.7 | 0.0 | S |
| 111.208 | 0.0000 | 0.0000 | 82.003 | 0.25152 | 0.00000 | 602892.1 | 421637.3 | 0.0 | S |
| 111.217 | 0.0000 | 0.0000 | 82.003 | 0.25151 | 0.00000 | 602892.1 | 421644.8 | 0.0 | S |
| 111.225 | 0.0000 | 0.0000 | 82.003 | 0.25149 | 0.00000 | 602892.1 | 421652.3 | 0.0 | S |
| 111.233 | 0.0000 | 0.0000 | 82.003 | 0.25147 | 0.00000 | 602892.1 | 421659.9 | 0.0 | S |
| 111.242 | 0.0000 | 0.0000 | 82.003 | 0.25145 | 0.00000 | 602892.1 | 421667.4 | 0.0 | S |
| 111.250 | 0.0000 | 0.0000 | 82.003 | 0.25143 | 0.00000 | 602892.1 | 421675.0 | 0.0 | S |
| 111.258 | 0.0000 | 0.0000 | 82.003 | 0.25141 | 0.00000 | 602892.1 | 421682.5 | 0.0 | S |
| 111.267 | 0.0000 | 0.0000 | 82.003 | 0.25139 | 0.00000 | 602892.1 | 421690.1 | 0.0 | S |
| 111.275 | 0.0000 | 0.0000 | 82.002 | 0.25137 | 0.00000 | 602892.1 | 421697.6 | 0.0 | S |
| 111.283 | 0.0000 | 0.0000 | 82.002 | 0.25135 | 0.00000 | 602892.1 | 421705.1 | 0.0 | S |
| 111.292 | 0.0000 | 0.0000 | 82.002 | 0.25134 | 0.00000 | 602892.1 | 421712.7 | 0.0 | S |
| 111.300 | 0.0000 | 0.0000 | 82.002 | 0.25132 | 0.00000 | 602892.1 | 421720.2 | 0.0 | S |
| 111.308 | 0.0000 | 0.0000 | 82.002 | 0.25130 | 0.00000 | 602892.1 | 421727.8 | 0.0 | S |
| 111.317 | 0.0000 | 0.0000 | 82.002 | 0.25128 | 0.00000 | 602892.1 | 421735.3 | 0.0 | S |
| 111.325 | 0.0000 | 0.0000 | 82.002 | 0.25126 | 0.00000 | 602892.1 | 421742.8 | 0.0 | S |
| 111.333 | 0.0000 | 0.0000 | 82.001 | 0.25124 | 0.00000 | 602892.1 | 421750.4 | 0.0 | S |
| 111.342 | 0.0000 | 0.0000 | 82.001 | 0.25122 | 0.00000 | 602892.1 | 421757.9 | 0.0 | S |
| 111.350 | 0.0000 | 0.0000 | 82.001 | 0.25120 | 0.00000 | 602892.1 | 421765.4 | 0.0 | S |
| 111.358 | 0.0000 | 0.0000 | 82.001 | 0.25119 | 0.00000 | 602892.1 | 421773.0 | 0.0 | S |
| 111.367 | 0.0000 | 0.0000 | 82.001 | 0.25117 | 0.00000 | 602892.1 | 421780.5 | 0.0 | S |
| 111.375 | 0.0000 | 0.0000 | 82.001 | 0.25175 | 0.00000 | 602892.1 | 421788.1 | 0.0 | S |
| 111.383 | 0.0000 | 0.0000 | 82.001 | 0.25113 | 0.00000 | 602892.1 | 421795.6 | 0.0 | S |
| $1 \$ 1.392$ | 0.0000 | 0.0000 | 82.001 | 0.25111 | 0.00000 | 602892.1 | 421803.1 | 0.0 | S |
| 111.400 | 0.0000 | 0.0000 | 82.000 | 0.25109 | 0.00000 | 602892.1 | 421810.7 | 0.0 | S |
| 111.408 | 0.0000 | 0.0000 | 82.000 | 0.25107 | 0.00000 | 602892.1 | 421818.2 | 0.0 | 5 |
| 111.417 | 0.0000 | 0.0000 | 82.000 | 0.25105 | 0.00000 | 602892.1 | 421825.7 | 0.0 | S |
| 111.425 | 0.0000 | 0.0000 | 82.000 | 0.25104 | 0.00000 | 602892.1 | 421833.3 | 0.0 | S |
| 111.433 | 0.0000 | 0.0000 | 82.000 | 0.25102 | 0.00000 | 602892.1 | 421840.8 | 0.0 | S |
| 111.442 | 0.0000 | 0.0000 | 82.000 | 0.25100 | 0.00000 | 602892.1 | 421848.3 | 0.0 | S |
| 111.450 | 0.0000 | 0.0000 | 82.000 | 0.25098 | 0.00000 | 602892.1 | 421855.8 | 0.0 | 5 |
| 111.458 | 0.0000 | 0.0000 | 81.999 | 0.25096 | 0.00000 | 602892.1 | 421863.4 | 0.0 | S |
| 111.467 | 0.0000 | 0.0000 | 81.999 | 0.25094 | 0.00000 | 602892.1 | 421870.9 | 0.0 | 5 |
| 111.475 | 0.0000 | 0.0000 | 81.999 | 0.25092 | 0.00000 | 602892.1 | 421878.4 | 0.0 | S |
| 111.483 | 0.0000 | 0.0000 | 81.999 | 0.25090 | 0.00000 | 602892.1 | 421885.9 | 0.0 | S |
| 111.492 | 0.0000 | 0.0000 | 81.999 | 0.25089 | 0.00000 | 602892.1 | 421893.5 | 0.0 | S |
| 111.500 | 0.0000 | 0.0000 | 81.999 | 0.25087 | 0.00000 | 602892.1 | 421901.0 | 0.0 | S |
| 111.508 | 0.0000 | 0.0000 | 81.999 | 0.25085 | 0.00000 | 602892.1 | 421908.5 | 0.0 | S |
| 111.517 | 0.0000 | 0.0000 | 81.999 | 0.25083 | 0.00000 | 602892.1 | 421916.1 | 0.0 | S |
| 111.525 | 0.0000 | 0.0000 | 81.998 | 0.25081 | 0.00000 | 602892.1 | 421923.6 | 0.0 | S |
| 111.533 | 0.0000 | 0.0000 | 81.998 | 0.25079 | 0.00000 | 602892.1 | 421931.1 | 0.0 | S |
| 111.542 | 0.0000 | 0.0000 | 81.998 | 0.25077 | 0.00000 | 602892.1 | 421938.6 | 0.0 | S |
| 111.550 | 0.0000 | 0.0000 | 81.998 | 0.25075 | 0.00000 | 602892.1 | 421946.2 | 0.0 | S |
| 111.558 | 0.0000 | 0.0000 | 81.998 | 0.25074 | 0.00000 | 602892.1 | 421953.7 | 0.0 | S |
| 111.567 | 0.0000 | 0.0000 | 81.998 | 0.25072 | 0.00000 | 602892.1 | 421961.2 | 0.0 | S |
| 111.575 | 0.0000 | 0.0000 | 81.998 | 0.25070 | 0.00000 | 602892.1 | 421968.7 | 0.0 | S |
| 111.583 | 0.0000 | 0.0000 | 81.998 | 0.25068 | 0.00000 | 602892.1 | 421976.3 | 0.0 | S |
| 111.592 | 0.0000 | 0.0000 | 81.997 | 0.25066 | 0.00000 | 602892.1 | 421983.8 | 0.0 | S |
| 111.600 | 0.0000 | 0.0000 | 81.997 | 0.25064 | 0.00000 | 602892.1 | 421991.3 | 0.0 | S |
| 111.608 | 0.0000 | 0.0000 | 81.997 | 0.25062 | 0.00000 | 602892.1 | 421998.8 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | inflow Rate ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / 3}$ ) | Cumulative Inflow Volume ( $t^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 111.617 | 0.0000 | 0.0000 | 81.997 | 0.25060 | 0.00000 | 602892.1 | 422006.3 | 0.0 | S |
| 111.625 | 0.0000 | 0.0000 | 81.997 | 0.25059 | 0.00000 | 602892.1 | 422013.8 | 0.0 | S |
| 111.633 | 0.0000 | 0.0000 | 81.997 | 0.25057 | 0.00000 | 602892.1 | 422021.3 | 0.0 | S |
| 111.642 | 0.0000 | 0.0000 | 81.997 | 0.25055 | 0.00000 | 602892.1 | 422028.9 | 0.0 | S |
| 111.650 | 0.0000 | 0.0000 | 81.996 | 0.25053 | 0.00000 | 602892.1 | 422036.4 | 0.0 | S |
| 111.658 | 0.0000 | 0.0000 | 81.996 | 0.25051 | 0.00000 | 602892.1 | 422043.9 | 0.0 | S |
| 111.667 | 0.0000 | 0.0000 | 81.996 | 0.25049 | 0.00000 | 602892.1 | 422051.4 | 0.0 | S |
| 111.675 | 0.0000 | 0.0000 | 81.996 | 0.25047 | 0.00000 | 602892.1 | 422058.9 | 0.0 | S |
| 111.683 | 0.0000 | 0.0000 | 81.996 | 0.25046 | 0.00000 | 602892.1 | 422066.4 | 0.0 | S |
| 111.692 | 0.0000 | 0.0000 | 81.996 | 0.25044 | 0.00000 | 602892.1 | 422073.9 | 0.0 | S |
| 111.700 | 0.0000 | 0.0000 | 81.996 | 0.25042 | 0.00000 | 602892.1 | 422081.5 | 0.0 | S |
| 111.708 | 0.0000 | 0.0000 | 81.996 | 0.25040 | 0.00000 | 602892.1 | 422089.0 | 0.0 | S |
| 111.717 | 0.0000 | 0.0000 | 81.995 | 0.25038 | 0.00000 | 602892.1 | 422096.5 | 0.0 | S |
| 111.725 | 0.0000 | 0.0000 | 81.995 | 0.25036 | 0.00000 | 602892.1 | 422104.0 | 0.0 | S |
| 111.733 | 0.0000 | 0.0000 | 81.995 | 0.25034 | 0.00000 | 602892.1 | 422111.5 | 0.0 | S |
| 111.742 | 0.0000 | 0.0000 | 81.995 | 0.25032 | 0.00000 | 602892.1 | 422119.0 | 0.0 | S |
| 111.750 | 0.0000 | 0.0000 | 81.995 | 0.25031 | 0.00000 | 602892.1 | 422126.5 | 0.0 | S |
| 111.758 | 0.0000 | 0.0000 | 81.995 | 0.25029 | 0.00000 | 602892.1 | 422134.0 | 0.0 | S |
| 111.767 | 0.0000 | 0.0000 | 81.995 | 0.25027 | 0.00000 | 602892.1 | 422141.6 | 0.0 | S |
| 111.775 | 0.0000 | 0.0000 | 81.995 | 0.25025 | 0.00000 | 602892.1 | 422149.1 | 0.0 | S |
| 111.783 | 0.0000 | 0.0000 | 81.994 | 0.25023 | 0.00000 | 602892.1 | 422156.6 | 0.0 | S |
| 111.792 | 0.0000 | 0.0000 | 81.994 | 0.25021 | 0.00000 | 602892.1 | 422164.1 | 0.0 | S |
| 111.800 | 0.0000 | 0.0000 | 81.994 | 0.25019 | 0.00000 | 602892.1 | 422171.6 | 0.0 | S |
| 111.808 | 0.0000 | 0.0000 | 81.994 | 0.25018 | 0.00000 | 602892.1 | 422179.1 | 0.0 | S |
| 111.817 | 0.0000 | 0.0000 | 81.994 | 0.25016 | 0.00000 | 602892.1 | 422186.6 | 0.0 | S |
| 111.825 | 0.0000 | 0.0000 | 81.994 | 0.25014 | 0.00000 | 602892.1 | 422194.1 | 0.0 | S |
| 111.833 | 0.0000 | 0.0000 | 81.994 | 0.25012 | 0.00000 | 602892.1 | 422201.6 | 0.0 | S |
| 111.842 | 0.0000 | 0.0000 | 81.993 | 0.25010 | 0.00000 | 602892.1 | 422209.1 | 0.0 | S |
| 111.850 | 0.0000 | 0.0000 | 81.993 | 0.25008 | 0.00000 | 602892.1 | 422216.6 | 0.0 | S |
| 111.858 | 0.0000 | 0.0000 | 81.993 | 0.25006 | 0.00000 | 602892.1 | 422224.1 | 0.0 | S |
| 111.867 | 0.0000 | 0.0000 | 81.993 | 0.25004 | 0.00000 | 602892.1 | 422231.6 | 0.0 | S |
| 111.875 | 0.0000 | 0.0000 | 81.993 | 0.25003 | 0.00000 | 602892.1 | 422239.1 | 0.0 | S |
| 111.883 | 0.0000 | 0.0000 | 81.993 | 0.25001 | 0.00000 | 602892.1 | 422246.6 | 0.0 | S |
| 111.892 | 0.0000 | 0.0000 | 81.993 | 0.24999 | 0.00000 | 602892.1 | 422254.1 | 0.0 | S |
| 111.900 | 0.0000 | 0.0000 | 81.993 | 0.24997 | 0.00000 | 602892.1 | 422261.6 | 0.0 | S |
| 111.908 | 0.0000 | 0.0000 | 81.992 | 0.24995 | 0.00000 | 602892.1 | 422269.1 | 0.0 | S |
| 111.917 | 0.0000 | 0.0000 | 81.992 | 0.24993 | 0.00000 | 602892.1 | 422276.6 | 0.0 | S |
| 111.925 | 0.0000 | 0.0000 | 81.992 | 0.24991 | 0.00000 | 602892.1 | 422284.1 | 0.0 | S |
| 111.933 | 0.0000 | 0.0000 | 81.992 | 0.24990 | 0.00000 | 602892.1 | 422291.6 | 0.0 | S |
| 111.942 | 0.0000 | 0.0000 | 81.992 | 0.24988 | 0.00000 | 602892.1 | 422299.1 | 0.0 | S |
| 111.950 | 0.0000 | 0.0000 | 81.992 | 0.24986 | 0.00000 | 602892.1 | 422306.6 | 0.0 | S |
| 111.958 | 0.0000 | 0.0000 | 81.992 | 0.24984 | 0.00000 | 602892.1 | 422314.1 | 0.0 | S |
| 111.967 | 0.0000 | 0.0000 | 81.991 | 0.24982 | 0.00000 | 602892.1 | 422321.6 | 0.0 | S |
| 111.975 | 0.0000 | 0.0000 | 81.991 | 0.24980 | 0.00000 | 602892.1 | 422329.1 | 0.0 | S |
| 111.983 | 0.0000 | 0.0000 | 81.991 | 0.24978 | 0.00000 | 602892.1 | 422336.6 | 0.0 | S |
| 111.992 | 0.0000 | 0.0000 | 81.991 | 0.24977 | 0.00000 | 602892.1 | 422344.1 | 0.0 | S |
| 112.000 | 0.0000 | 0.0000 | 81.991 | 0.24975 | 0.00000 | 602892.1 | 422351.6 | 0.0 | S |
| 112.008 | 0.0000 | 0.0000 | 81.991 | 0.24973 | 0.00000 | 602892.1 | 422359.0 | 0.0 | S |
| 112.017 | 0.0000 | 0.0000 | 81.991 | 0.24971 | 0.00000 | 602892.1 | 422366.5 | 0.0 | S |
| 112.025 | 0.0000 | 0.0000 | 81.991 | 0.24969 | 0.00000 | 602892.1 | 422374.0 | 0.0 | S |
| 112.033 | 0.0000 | 0.0000 | 81.990 | 0.24967 | 0.00000 | 602892.1 | 422381.5 | 0.0 | S |
| 112.042 | 0.0000 | 0.0000 | 81.990 | 0.24965 | 0.00000 | 602892.1 | 422389.0 | 0.0 | 5 |
| 112.050 | 0.0000 | 0.0000 | 81.990 | 0.24964 | 0.00000 | 602892.1 | 422396.5 | 0.0 | S |
| 112.058 | 0.0000 | 0.0000 | 81.990 | 0.24962 | 0.00000 | 602892.1 | 422404.0 | 0.0 | S |
| 112.067 | 0.0000 | 0.0000 | 81.990 | 0.24960 | 0.00000 | 602892.1 | 422411.5 | 0.0 | S |
| 112.075 | 0.0000 | 0.0000 | 81.990 | 0.24958 | 0.00000 | 602892.1 | 422419.0 | 0.0 | S |
| 112.083 | 0.0000 | 0.0000 | 81.990 | 0.24956 | 0.00000 | 602892.1 | 422426.4 | 0.0 | S |
| 112.092 | 0.0000 | 0.0000 | 81.990 | 0.24954 | 0.00000 | 602892.1 | 422433.9 | 0.0 | S |
| 112.100 | 0.0000 | 0.0000 | 81.989 | 0.24952 | 0.00000 | 602892.1 | 422441.4 | 0.0 | S |
| 112.108 | 0.0000 | 0.0000 | 81.989 | 0.24951 | 0.00000 | 602892.1 | 422448.9 | 0.0 | S |
| 112.117 | 0.0000 | 0.0000 | 81.989 | 0.24949 | 0.00000 | 602892.1 | 422456.4 | 0.0 | S |
| 112.125 | 0.0000 | 0.0000 | 81.989 | 0.24947 | 0.00000 | 602892.1 | 422463.9 | 0.0 | S |
| 112.133 | 0.0000 | 0.0000 | 81.989 | 0.24945 | 0.00000 | 602892.1 | 422471.4 | 0.0 | S |
| 112.142 | 0.0000 | 0.0000 | 81.989 | 0.24943 | 0.00000 | 602892.1 | 422478.8 | 0.0 | S |
| 112.150 | 0.0000 | 0.0000 | 81.989 | 0.24941 | 0.00000 | 602892.1 | 422486.3 | 0.0 | S |
| 112.158 | 0.0000 | 0.0000 | 81.988 | 0.24939 | 0.00000 | 602892.1 | 422493.8 | 0.0 | S |
| 112.167 | 0.0000 | 0.0000 | 81.988 | 0.24938 | 0.00000 | 602892.1 | 422501.3 | 0.0 | S |
| 112.175 | 0.0000 | 0.0000 | 81.988 | 0.24936 | 0.00000 | 602892.1 | 422508.8 | 0.0 | S |
| 112.183 | 0.0000 | 0.0000 | 81.988 | 0.24934 | 0.00000 | 602892.1 | 422516.3 | 0.0 | S |
| 112.192 | 0.0000 | 0.0000 | 81.988 | 0.24932 | 0.00000 | 602892.1 | 422523.7 | 0.0 | S |
| \$12.200 | 0.0000 | 0.0000 | 81.988 | 0.24930 | 0.00000 | 602892.1 | 422531.2 | 0.0 | S |
| 112.208 | 0.0000 | 0.0000 | 81.988 | 0.24928 | 0.00000 | 602892.1 | 422538.7 | 0.0 | S |
| 112.217 | 0.0000 | 0.0000 | 81.988 | 0.24927 | 0.00000 | 602892.1 | 422546.2 | 0.0 | S |
| $\dagger 12.225$ | 0.0000 | 0.0000 | 81.987 | 0.24925 | 0.00000 | 602892.1 | 422553.7 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate (fis/s) | Outside Recharge (fl/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}{ }^{3} / \mathrm{s}$ ) | Overflow Discharge (fis/s) | Cumulative inflow Volume ( $\mathrm{t}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 112.233 | 0.0000 | 0.0000 | 81.987 | 0.24923 | 0.00000 | 602892.1 | 422561.1 | 0.0 | S |
| 112.242 | 0.0000 | 0.0000 | 81.987 | 0.24921 | 0.00000 | 602892.1 | 422568.6 | 0.0 | S |
| 112.250 | 0.0000 | 0.0000 | 81.987 | 0.24919 | 0.00000 | 602892.1 | 422576.1 | 0.0 | S |
| 112.258 | 0.0000 | 0.0000 | 81.987 | 0.24917 | 0.00000 | 602892.1 | 422583.6 | 0.0 | S |
| 112.267 | 0.0000 | 0.0000 | 81.987 | 0.24915 | 0.00000 | 602892.1 | 422591.0 | 0.0 | S |
| 112.275 | 0.0000 | 0.0000 | 81.987 | 0.24914 | 0.00000 | 602892.1 | 422598.5 | 0.0 | S |
| 112.283 | 0.0000 | 0.0000 | 81.987 | 0.24912 | 0.00000 | 602892.1 | 422606.0 | 0.0 | S |
| 112.292 | 0.0000 | 0.0000 | 81.986 | 0.24910 | 0.00000 | 602892.1 | 422613.4 | 0.0 | S |
| 112.300 | 0.0000 | 0.0000 | 81.986 | 0.24908 | 0.00000 | 602892.1 | 422620.9 | 0.0 | S |
| 112.308 | 0.0000 | 0.0000 | 81.986 | 0.24906 | 0.00000 | 602892.1 | 422628.4 | 0.0 | 5 |
| 112.317 | 0.0000 | 0.0000 | 81.986 | 0.24904 | 0.00000 | 602892.1 | 422635.9 | 0.0 | S |
| 112.325 | 0.0000 | 0.0000 | 81.986 | 0.24902 | 0.00000 | 602892.1 | 422643.3 | 0.0 | S |
| 112.333 | 0.0000 | 0.0000 | 81.986 | 0.24901 | 0.00000 | 602892.1 | 422650.8 | 0.0 | S |
| 112.342 | 0.0000 | 0.0000 | 81.986 | 0.24899 | 0.00000 | 602892.1 | 422658.3 | 0.0 | S |
| 112.350 | 0.0000 | 0.0000 | 81.985 | 0.24897 | 0.00000 | 602892.1 | 422665.8 | 0.0 | S |
| 112.358 | 0.0000 | 0.0000 | 81.985 | 0.24895 | 0.00000 | 602892.1 | 422673.2 | 0.0 | S |
| 112.367 | 0.0000 | 0.0000 | 81.985 | 0.24893 | 0.00000 | 602892.1 | 422680.7 | 0.0 | S |
| 112.375 | 0.0000 | 0.0000 | 81.985 | 0.24891 | 0.00000 | 602892.1 | 422688.2 | 0.0 | S |
| 112.383 | 0.0000 | 0.0000 | 81.985 | 0.24890 | 0.00000 | 602892.1 | 422695.6 | 0.0 | S |
| 112.392 | 0.0000 | 0.0000 | 81.985 | 0.24888 | 0.00000 | 602892.1 | 422703.1 | 0.0 | S |
| 112.400 | 0.0000 | 0.0000 | 81.985 | 0.24886 | 0.00000 | 602892.1 | 422710.6 | 0.0 | S |
| 112.408 | 0.0000 | 0.0000 | 81.985 | 0.24884 | 0.00000 | 602892.1 | 422718.0 | 0.0 | S |
| 112.417 | 0.0000 | 0.0000 | 81.984 | 0.24882 | 0.00000 | 602892.1 | 422725.5 | 0.0 | S |
| 112.425 | 0.0000 | 0.0000 | 81.984 | 0.24880 | 0.00000 | 602892.1 | 422732.9 | 0.0 | S |
| 112.433 | 0.0000 | 0.0000 | 81.984 | 0.24878 | 0.00000 | 602892.1 | 422740.4 | 0.0 | S |
| 112.442 | 0.0000 | 0.0000 | 81.984 | 0.24877 | 0.00000 | 602892.1 | 422747.9 | 0.0 | S |
| 112.450 | 0.0000 | 0.0000 | 81.984 | 0.24875 | 0.00000 | 602892.1 | 422755.3 | 0.0 | S |
| 112.458 | 0.0000 | 0.0000 | 81.984 | 0.24873 | 0.00000 | 602892.1 | 422762.8 | 0.0 | S |
| 112.467 | 0.0000 | 0.0000 | 81.984 | 0.24871 | 0.00000 | 602892.1 | 422770.3 | 0.0 | S |
| 112.475 | 0.0000 | 0.0000 | 81.984 | 0.24869 | 0.00000 | 602892.1 | 422777.7 | 0.0 | S |
| 112.483 | 0.0000 | 0.0000 | 81.983 | 0.24867 | 0.00000 | 602892.1 | 422785.2 | 0.0 | S |
| 112.492 | 0.0000 | 0.0000 | 81.983 | 0.24866 | 0.00000 | 602892.1 | 422792.6 | 0.0 | S |
| 112.500 | 0.0000 | 0.0000 | 81.983 | 0.24864 | 0.00000 | 602892.1 | 422800.1 | 0.0 | S |
| 112.508 | 0.0000 | 0.0000 | 81.983 | 0.24862 | 0.00000 | 602892.1 | 422807.6 | 0.0 | S |
| 112.517 | 0.0000 | 0.0000 | 81.983 | 0.24860 | 0.00000 | 602892.1 | 422815.0 | 0.0 | S |
| 112.525 | 0.0000 | 0.0000 | 81.983 | 0.24858 | 0.00000 | 602892.1 | 422822.5 | 0.0 | S |
| 112.533 | 0.0000 | 0.0000 | 81.983 | 0.24856 | 0.00000 | 602892.1 | 422829.9 | 0.0 | S |
| 112.542 | 0.0000 | 0.0000 | 81.983 | 0.24855 | 0.00000 | 602892.1 | 422837.4 | 0.0 | S |
| 112.550 | 0.0000 | 0.0000 | 81.982 | 0.24853 | 0.00000 | 602892.1 | 422844.8 | 0.0 | S |
| 112.558 | 0.0000 | 0.0000 | 81.982 | 0.24851 | 0.00000 | 602892.1 | 422852.3 | 0.0 | S |
| 112.567 | 0.0000 | 0.0000 | 81.982 | 0.24849 | 0.00000 | 602892.1 | 422859.8 | 0.0 | S |
| 112.575 | 0.0000 | 0.0000 | 81.982 | 0.24847 | 0.00000 | 602892.1 | 422867.2 | 0.0 | S |
| 112.583 | 0.0000 | 0.0000 | 81.982 | 0.24845 | 0.00000 | 602892.1 | 422874.7 | 0.0 | S |
| 112.592 | 0.0000 | 0.0000 | 81.982 | 0.24844 | 0.00000 | 602892.1 | 422882.1 | 0.0 | S |
| 112.600 | 0.0000 | 0.0000 | 81.982 | 0.24842 | 0.00000 | 602892.1 | 422889.6 | 0.0 | S |
| 112.608 | 0.0000 | 0.0000 | 81.981 | 0.24840 | 0.00000 | 602892.1 | 422897.0 | 0.0 | S |
| 112.617 | 0.0000 | 0.0000 | 81.981 | 0.24838 | 0.00000 | 602892.1 | 422904.5 | 0.0 | S |
| 112.625 | 0.0000 | 0.0000 | 81.981 | 0.24836 | 0.00000 | 602892.1 | 422911.9 | 0.0 | S |
| 112.633 | 0.0000 | 0.0000 | 81.981 | 0.24834 | 0.00000 | 602892.7 | 422919.4 | 0.0 | S |
| \$12.642 | 0.0000 | 0.0000 | 81.981 | 0.24832 | 0.00000 | 602892.1 | 422926.8 | 0.0 | S |
| 112.650 | 0.0000 | 0.0000 | 81.981 | 0.24831 | 0.00000 | 602892.1 | 422934.3 | 0.0 | S |
| 112.658 | 0.0000 | 0.0000 | 81.981 | 0.24829 | 0.00000 | 602892.1 | 422941.7 | 0.0 | S |
| 112.667 | 0.0000 | 0.0000 | 81.981 | 0.24827 | 0.00000 | 602892.1 | 422949.2 | 0.0 | S |
| 112.675 | 0.0000 | 0.0000 | 81.980 | 0.24825 | 0.00000 | 602892.1 | 422956.6 | 0.0 | S |
| 112.683 | 0.0000 | 0.0000 | 81.980 | 0.24823 | 0.00000 | 602892.1 | 422964.1 | 0.0 | S |
| 112.692 | 0.0000 | 0.0000 | 81.980 | 0.24821 | 0.00000 | 602892.1 | 422971.5 | 0.0 | S |
| 112.700 | 0.0000 | 0.0000 | 81.980 | 0.24820 | 0.00000 | 602892.1 | 422979.0 | 0.0 | S |
| 112.708 | 0.0000 | 0.0000 | 81.980 | 0.24818 | 0.00000 | 602892.1 | 422986.4 | 0.0 | S |
| 112.717 | 0.0000 | 0.0000 | 81.980 | 0.24816 | 0.00000 | 602892.1 | 422993.8 | 0.0 | S |
| 112.725 | 0.0000 | 0.0000 | 81.980 | 0.24814 | 0.00000 | 602892.1 | 423001.3 | 0.0 | S |
| 112.733 | 0.0000 | 0.0000 | 81.980 | 0.24812 | 0.00000 | 602892.1 | 423008.8 | 0.0 | S |
| 112.742 | 0.0000 | 0.0000 | 81.979 | 0.24810 | 0.00000 | 602892.1 | 423016.2 | 0.0 | S |
| 112.750 | 0.0000 | 0.0000 | 81.979 | 0.24809 | 0.00000 | 602892.1 | 423023.6 | 0.0 | S |
| 112.758 | 0.0000 | 0.0000 | 81.979 | 0.24807 | 0.00000 | 602892.1 | 423031.1 | 0.0 | S |
| 112.767 | 0.0000 | 0.0000 | 81.979 | 0.24805 | 0.00000 | 602892.1 | 423038.5 | 0.0 | S |
| 112.775 | 0.0000 | 0.0000 | 81.979 | 0.24803 | 0.00000 | 602892.1 | 423045.9 | 0.0 | S |
| 112.783 | 0.0000 | 0.0000 | 81.979 | 0.24801 | 0.00000 | 602892.1 | 423053.4 | 0.0 | S |
| 112.792 | 0.0000 | 0.0000 | 81.979 | 0.24799 | 0.00000 | 602892.1 | 423060.8 | 0.0 | S |
| 112.800 | 0.0000 | 0.0000 | 81.978 | 0.24798 | 0.00000 | 602892.1 | 423068.3 | 0.0 | S |
| 112.808 | 0.0000 | 0.0000 | 81.978 | 0.24796 | 0.00000 | 602892.1 | 423075.7 | 0.0 | S |
| 112.817 | 0.0000 | 0.0000 | 81.978 | 0.24794 | 0.00000 | 602892.1 | 423083.2 | 0.0 | S |
| 112.825 | 0.0000 | 0.0000 | 81.978 | 0.24792 | 0.00000 | 602892.1 | 423090.6 | 0.0 | S |
| 112.833 | 0.0000 | 0.0000 | 81.978 | 0.24790 | 0.00000 | 602892.1 | 423098.0 | 0.0 | S |
| 112.842 | 0.0000 | 0.0000 | 81.978 | 0.24788 | 0.00000 | 602892.1 | 423105.5 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year/24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / 5}$ ) | Outside Recharge (It/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / 1} \mathrm{~s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{t}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{fl}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 112.850 | 0.0000 | 0.0000 | 81.978 | 0.24787 | 0.00000 | 602892.1 | 423112.9 | 0.0 | S |
| 112.858 | 0.0000 | 0.0000 | 81.978 | 0.24785 | 0.00000 | 602892.1 | 423120.3 | 0.0 | S |
| 112.867 | 0.0000 | 0.0000 | 81.977 | 0.24783 | 0.00000 | 602892.1 | 423127.8 | 0.0 | S |
| 112.875 | 0.0000 | 0.0000 | 81.977 | 0.24781 | 0.00000 | 602892.1 | 423135.2 | 0.0 | S |
| 112.883 | 0.0000 | 0.0000 | 81.977 | 0.24779 | 0.00000 | 602892.1 | 423142.6 | 0.0 | S |
| 112.892 | 0.0000 | 0.0000 | 81.977 | 0.24777 | 0.00000 | 602892.1 | 423150.1 | 0.0 | S |
| 112.900 | 0.0000 | 0.0000 | 81.977 | 0.24776 | 0.00000 | 602892.1 | 423157.5 | 0.0 | S |
| 112.908 | 0.0000 | 0.0000 | 81.977 | 0.24774 | 0.00000 | 602892.4 | 423164.9 | 0.0 | S |
| 112.917 | 0.0000 | 0.0000 | 81.977 | 0.24772 | 0.00000 | 602892.1 | 423172.4 | 0.0 | S |
| 112.925 | 0.0000 | 0.0000 | 81.977 | 0.24770 | 0.00000 | 602892.1 | 423179.8 | 0.0 | S |
| 112.933 | 0.0000 | 0.0000 | 81.976 | 0.24768 | 0.00000 | 602892.1 | 423187.2 | 0.0 | S |
| 112.942 | 0.0000 | 0.0000 | 81.976 | 0.24767 | 0.00000 | 602892.1 | 423194.7 | 0.0 | S |
| 112.950 | 0.0000 | 0.0000 | 81.976 | 0.24765 | 0.00000 | 602892.1 | 423202.1 | 0.0 | S |
| 112.958 | 0.0000 | 0.0000 | 81.976 | 0.24763 | 0.00000 | 602892.1 | 423209.5 | 0.0 | S |
| 112.967 | 0.0000 | 0.0000 | 81.976 | 0.24761 | 0.00000 | 602892.1 | 423216.9 | 0.0 | S |
| \$12.975 | 0.0000 | 0.0000 | 81.976 | 0.24759 | 0.00000 | 602892.1 | 423224.4 | 0.0 | S |
| 112.983 | 0.0000 | 0.0000 | 81.976 | 0.24757 | 0.00000 | 602892.1 | 423231.8 | 0.0 | S |
| 112.992 | 0.0000 | 0.0000 | 81.975 | 0.24756 | 0.00000 | 602892.1 | 423239.2 | 0.0 | S |
| 113.000 | 0.0000 | 0.0000 | 81.975 | 0.24754 | 0.00000 | 602892.1 | 423246.7 | 0.0 | S |
| 113.008 | 0.0000 | 0.0000 | 81.975 | 0.24752 | 0.00000 | 602892.1 | 423254.1 | 0.0 | S |
| 113.017 | 0.0000 | 0.0000 | 81.975 | 0.24750 | 0.00000 | 602892.1 | 423261.5 | 0.0 | S |
| 113.025 | 0.0000 | 0.0000 | 81.975 | 0.24748 | 0.00000 | 602892.1 | 423268.9 | 0.0 | S |
| 113.033 | 0.0000 | 0.0000 | 81.975 | 0.24746 | 0.00000 | 602892.1 | 423276.3 | 0.0 | S |
| 113.042 | 0.0000 | 0.0000 | 81.975 | 0.24745 | 0.00000 | 602892.1 | 423283.8 | 0.0 | S |
| 113.050 | 0.0000 | 0.0000 | 81.975 | 0.24743 | 0.00000 | 602892.1 | 423291.2 | 0.0 | S |
| 113.058 | 0.0000 | 0.0000 | 81.974 | 0.24741 | 0.00000 | 602892.1 | 423298.6 | 0.0 | S |
| 113.067 | 0.0000 | 0.0000 | 81.974 | 0.24739 | 0.00000 | 602892.1 | 423306.0 | 0.0 | S |
| 113.075 | 0.0000 | 0.0000 | 81.974 | 0.24737 | 0.00000 | 602892.1 | 423313.5 | 0.0 | S |
| 113.083 | 0.0000 | 0.0000 | 81.974 | 0.24735 | 0.00000 | 602892.1 | 423320.9 | 0.0 | S |
| 113.092 | 0.0000 | 0.0000 | 81.974 | 0.24734 | 0.00000 | 602892.1 | 423328.3 | 0.0 | S |
| 113.100 | 0.0000 | 0.0000 | 81.974 | 0.24732 | 0.00000 | 602892.1 | 423335.7 | 0.0 | S |
| 113.108 | 0.0000 | 0.0000 | 81.974 | 0.24730 | 0.00000 | 602892.1 | 423343.2 | 0.0 | S |
| 113.117 | 0.0000 | 0.0000 | 81.974 | 0.24728 | 0.00000 | 602892.1 | 423350.6 | 0.0 | S |
| 113.125 | 0.0000 | 0.0000 | 81.973 | 0.24726 | 0.00000 | 602892.1 | 423358.0 | 0.0 | S |
| 113.133 | 0.0000 | 0.0000 | 81.973 | 0.24725 | 0.00000 | 602892.1 | 423365.4 | 0.0 | S |
| 113.142 | 0.0000 | 0.0000 | 81.973 | 0.24723 | 0.00000 | 602892.1 | 423372.8 | 0.0 | S |
| 113.150 | 0.0000 | 0.0000 | 81.973 | 0.24721 | 0.00000 | 602892.1 | 423380.3 | 0.0 | S |
| 113.158 | 0.0000 | 0.0000 | 81.973 | 0.24719 | 0.00000 | 602892.1 | 423387.7 | 0.0 | S |
| 113.167 | 0.0000 | 0.0000 | 81.973 | 0.24717 | 0.00000 | 602892.1 | 423395.1 | 0.0 | S |
| 113.175 | 0.0000 | 0.0000 | 81.973 | 0.24715 | 0.00000 | 602892.1 | 423402.5 | 0.0 | S |
| 113.183 | 0.0000 | 0.0000 | 81.973 | 0.24714 | 0.00000 | 602892.1 | 423409.9 | 0.0 | S |
| 113.192 | 0.0000 | 0.0000 | 81.972 | 0.24712 | 0.00000 | 602892.1 | 423417.3 | 0.0 | S |
| 113.200 | 0.0000 | 0.0000 | 81.972 | 0.24710 | 0.00000 | 602892.1 | 423424.7 | 0.0 | S |
| 113.208 | 0.0000 | 0.0000 | 81.972 | 0.24708 | 0.00000 | 602892.1 | 423432.1 | 0.0 | S |
| 113.217 | 0.0000 | 0.0000 | 81.972 | 0.24706 | 0.00000 | 602892.1 | 423439.6 | 0.0 | S |
| 113.225 | 0.0000 | 0.0000 | 81.972 | 0.24704 | 0.00000 | 602892.1 | 423447.0 | 0.0 | S |
| 113.233 | 0.0000 | 0.0000 | 81.972 | 0.24703 | 0.00000 | 602892.1 | 423454.4 | 0.0 | S |
| 113.242 | 0.0000 | 0.0000 | 81.972 | 0.24701 | 0.00000 | 602892.1 | 423461.8 | 0.0 | S |
| 113.250 | 0.0000 | 0.0000 | 81.971 | 0.24699 | 0.00000 | 602892.1 | 423469.2 | 0.0 | S |
| 113.258 | 0.0000 | 0.0000 | 81.971 | 0.24697 | 0.00000 | 602892.1 | 423476.6 | 0.0 | S |
| 113.267 | 0.0000 | 0.0000 | 81.971 | 0.24695 | 0.00000 | 602892.1 | 423484.0 | 0.0 | S |
| 113.275 | 0.0000 | 0.0000 | 81.971 | 0.24694 | 0.00000 | 602892.1 | 423491.4 | 0.0 | S |
| 113.283 | 0.0000 | 0.0000 | 81.971 | 0.24692 | 0.00000 | 602892.1 | 423498.8 | 0.0 | S |
| 113.292 | 0.0000 | 0.0000 | 81.971 | 0.24690 | 0.00000 | 602892.1 | 423506.2 | 0.0 | S |
| 113.300 | 0.0000 | 0.0000 | 81.971 | 0.24688 | 0.00000 | 602892.1 | 423513.7 | 0.0 | S |
| 113.308 | 0.0000 | 0.0000 | 81.971 | 0.24686 | 0.00000 | 602892.1 | 423521.0 | 0.0 | S |
| 113.317 | 0.0000 | 0.0000 | 81.970 | 0.24684 | 0.00000 | 602892.1 | 423528.4 | 0.0 | S |
| 113.325 | 0.0000 | 0.0000 | 81.970 | 0.24683 | 0.00000 | 602892.1 | 423535.8 | 0.0 | S |
| 113.333 | 0.0000 | 0.0000 | 81.970 | 0.24681 | 0.00000 | 602892.1 | 423543.3 | 0.0 | S |
| 113.342 | 0.0000 | 0.0000 | 81.970 | 0.24679 | 0.00000 | 602892.1 | 423550.7 | 0.0 | S |
| 113.350 | 0.0000 | 0.0000 | 81.970 | 0.24677 | 0.00000 | 602892.1 | 423558.1 | 0.0 | S |
| 113.358 | 0.0000 | 0.0000 | 81.970 | 0.24675 | 0.00000 | 602892.1 | 423565.5 | 0.0 | S |
| 113.367 | 0.0000 | 0.0000 | 81.970 | 0.24674 | 0.00000 | 602892.1 | 423572.9 | 0.0 | S |
| 113.375 | 0.0000 | 0.0000 | 81.970 | 0.24672 | 0.00000 | 602892.1 | 423580.3 | 0.0 | S |
| 113.383 | 0.0000 | 0.0000 | 81.969 | 0.24670 | 0.00000 | 602892.1 | 423587.7 | 0.0 | S |
| 113.392 | 0.0000 | 0.0000 | 81.969 | 0.24668 | 0.00000 | 602892.1 | 423595.1 | 0.0 | S |
| 113.400 | 0.0000 | 0.0000 | 81.969 | 0.24666 | 0.00000 | 602892.1 | 423602.5 | 0.0 | S |
| 113.408 | 0.0000 | 0.0000 | 81.969 | 0.24665 | 0.00000 | 602892.1 | 423609.9 | 0.0 | S |
| 113.417 | 0.0000 | 0.0000 | 81.969 | 0.24663 | 0.00000 | 602892.1 | 423617.3 | 0.0 | S |
| 113.425 | 0.0000 | 0.0000 | 81.969 | 0.24661 | 0.00000 | 602892.1 | 423624.7 | 0.0 | S |
| 113.433 | 0.0000 | 0.0000 | 81.969 | 0.24659 | 0.00000 | 602892.1 | 423632.1 | 0.0 | S |
| 113.442 | 0.0000 | 0.0000 | 81.968 | 0.24657 | 0.00000 | 602892.1 | 423639.5 | 0.0 | S |
| 113.450 | 0.0000 | 0.0000 | 81.968 | 0.24655 | 0.00000 | 602892.1 | 423646.9 | 0.0 | S |
| 113.458 | 0.0000 | 0.0000 | 81.968 | 0.24654 | 0.00000 | 602892.1 | 423654.3 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{H}^{3 / 5}$ ) | Overflow Discharge ( $\mathrm{fi}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{H}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Fow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 113.467 | 0.0000 | 0.0000 | 81.968 | 0.24652 | 0.00000 | 602892.1 | 423661.7 | 0.0 | S |
| 113.475 | 0.0000 | 0.0000 | 81.968 | 0.24650 | 0.00000 | 602892.1 | 423669.1 | 0.0 | S |
| 113.483 | 0.0000 | 0.0000 | 81.968 | 0.24648 | 0.00000 | 602892.1 | 423676.4 | 0.0 | S |
| 113.492 | 0.0000 | 0.0000 | 81.968 | 0.24646 | 0.00000 | 602892.1 | 423683.8 | 0.0 | S |
| 113.500 | 0.0000 | 0.0000 | 81.968 | 0.24645 | 0.00000 | 602892.1 | 423691.3 | 0.0 | S |
| 113.508 | 0.0000 | 0.0000 | 81.967 | 0.24643 | 0.00000 | 602892.1 | 423698.6 | 0.0 | S |
| 113.517 | 0.0000 | 0.0000 | 81.967 | 0.24641 | 0.00000 | 602892.1 | 423706.0 | 0.0 | S |
| 113.525 | 0.0000 | 0.0000 | 81.967 | 0.24639 | 0.00000 | 602892.1 | 423713.4 | 0.0 | S |
| 113.533 | 0.0000 | 0.0000 | 81.967 | 0.24637 | 0.00000 | 602892.1 | 423720.8 | 0.0 | S |
| 113.542 | 0.0000 | 0.0000 | 81.967 | 0.24636 | 0.00000 | 602892.1 | 423728.2 | 0.0 | S |
| 113.550 | 0.0000 | 0.0000 | 81.967 | 0.24634 | 0.00000 | 602892.1 | 423735.6 | 0.0 | S |
| 113.558 | 0.0000 | 0.0000 | 81.967 | 0.24632 | 0.00000 | 602892.1 | 423743.0 | 0.0 | S |
| 113.567 | 0.0000 | 0.0000 | 81.967 | 0.24630 | 0.00000 | 602892.1 | 423750.4 | 0.0 | S |
| 113.575 | 0.0000 | 0.0000 | 81.966 | 0.24628 | 0.00000 | 602892.1 | 423757.8 | 0.0 | S |
| 113.583 | 0.0000 | 0.0000 | 81.966 | 0.24626 | 0.00000 | 602892.1 | 423765.2 | 0.0 | S |
| 113.592 | 0.0000 | 0.0000 | 81.966 | 0.24625 | 0.00000 | 602892.1 | 423772.5 | 0.0 | S |
| 113.600 | 0.0000 | 0.0000 | 81.966 | 0.24623 | 0.00000 | 602892.1 | 423779.9 | 0.0 | S |
| 113.608 | 0.0000 | 0.0000 | 81.966 | 0.24621 | 0.00000 | 602892.1 | 423787.3 | 0.0 | S |
| 113.617 | 0.0000 | 0.0000 | 81.966 | 0.24619 | 0.00000 | 602892.1 | 423794.7 | 0.0 | S |
| 113.625 | 0.0000 | 0.0000 | 81.966 | 0.24617 | 0.00000 | 602892.1 | 423802.1 | 0.0 | S |
| \$13.633 | 0.0000 | 0.0000 | 81.966 | 0.24616 | 0.00000 | 602892.1 | 423809.5 | 0.0 | S |
| 113.642 | 0.0000 | 0.0000 | 81.965 | 0.24614 | 0.00000 | 602892.1 | 423816.8 | 0.0 | S |
| 113.650 | 0.0000 | 0.0000 | 81.965 | 0.24612 | 0.00000 | 602892.1 | 423824.2 | 0.0 | S |
| 113.658 | 0.0000 | 0.0000 | 81.965 | 0.24610 | 0.00000 | 602892.1 | 423831.6 | 0.0 | S |
| 113.667 | 0.0000 | 0.0000 | 81.965 | 0.24608 | 0.00000 | 602892.1 | 423839.0 | 0.0 | S |
| 113.675 | 0.0000 | 0.0000 | 81.965 | 0.24607 | 0.00000 | 602892.1 | 423846.4 | 0.0 | S |
| 113.683 | 0.0000 | 0.0000 | 81.965 | 0.24605 | 0.00000 | 602892.1 | 423853.8 | 0.0 | S |
| 113.692 | 0.0000 | 0.0000 | 81.965 | 0.24603 | 0.00000 | 602892.1 | 423861.2 | 0.0 | S |
| 113.700 | 0.0000 | 0.0000 | 81.964 | 0.24601 | 0.00000 | 602892.1 | 423868.5 | 0.0 | S |
| 113.708 | 0.0000 | 0.0000 | 81.964 | 0.24599 | 0.00000 | 602892.1 | 423875.9 | 0.0 | S |
| 113.717 | 0.0000 | 0.0000 | 81.964 | 0.24598 | 0.00000 | 602892.1 | 423883.3 | 0.0 | S |
| 113.725 | 0.0000 | 0.0000 | 81.964 | 0.24596 | 0.00000 | 602892.1 | 423890.7 | 0.0 | S |
| 113.733 | 0.0000 | 0.0000 | 81.964 | 0.24594 | 0.00000 | 602892.1 | 423898.0 | 0.0 | S |
| 113.742 | 0.0000 | 0.0000 | 81.964 | 0.24592 | 0.00000 | 602892.1 | 423905.4 | 0.0 | S |
| 113.750 | 0.0000 | 0.0000 | 81.964 | 0.24590 | 0.00000 | 602892.1 | 423912.8 | 0.0 | S |
| 113.758 | 0.0000 | 0.0000 | 81.964 | 0.24589 | 0.00000 | 602892.1 | 423920.2 | 0.0 | S |
| 113.767 | 0.0000 | 0.0000 | 81.963 | 0.24587 | 0.00000 | 602892.1 | 423927.6 | 0.0 | S |
| 113.775 | 0.0000 | 0.0000 | 81.963 | 0.24585 | 0.00000 | 602892.1 | 423934.9 | 0.0 | S |
| 113.783 | 0.0000 | 0.0000 | 81.963 | 0.24583 | 0.00000 | 602892.1 | 423942.3 | 0.0 | S |
| 113.792 | 0.0000 | 0.0000 | 81.963 | 0.24581 | 0.00000 | 602892.1 | 423949.7 | 0.0 | S |
| 113.800 | 0.0000 | 0.0000 | 81.963 | 0.24580 | 0.00000 | 602892.1 | 423957.1 | 0.0 | S |
| 113.808 | 0.0000 | 0.0000 | 81.963 | 0.24578 | 0.00000 | 602892.1 | 423964.4 | 0.0 | S |
| 113.817 | 0.0000 | 0.0000 | 81.963 | 0.24576 | 0.00000 | 602892.1 | 423971.8 | 0.0 | S |
| 113.825 | 0.0000 | 0.0000 | 81.963 | 0.24574 | 0.00000 | 602892.1 | 423979.2 | 0.0 | S |
| 113.833 | 0.0000 | 0.0000 | 81.962 | 0.24572 | 0.00000 | 602892.1 | 423986.5 | 0.0 | S |
| 113.842 | 0.0000 | 0.0000 | 81.962 | 0.24571 | 0.00000 | 602892.1 | 423993.9 | 0.0 | S |
| 113.850 | 0.0000 | 0.0000 | 81.962 | 0.24569 | 0.00000 | 602892.1 | 424001.3 | 0.0 | S |
| 113.858 | 0.0000 | 0.0000 | 81.962 | 0.24567 | 0.00000 | 602892.1 | 424008.7 | 0.0 | S |
| 113.867 | 0.0000 | 0.0000 | 81.962 | 0.24565 | 0.00000 | 602892.1 | 424016.0 | 0.0 | S |
| 113.875 | 0.0000 | 0.0000 | 81.962 | 0.24563 | 0.00000 | 602892.1 | 424023.4 | 0.0 | S |
| 113.883 | 0.0000 | 0.0000 | 81.962 | 0.24562 | 0.00000 | 602892.1 | 424030.8 | 0.0 | S |
| 113.892 | 0.0000 | 0.0000 | 81.962 | 0.24560 | 0.00000 | 602892.1 | 424038.1 | 0.0 | S |
| 113.900 | 0.0000 | 0.0000 | 81.961 | 0.24558 | 0.00000 | 602892.1 | 424045.5 | 0.0 | S |
| 113.908 | 0.0000 | 0.0000 | 81.961 | 0.24556 | 0.00000 | 602892.1 | 424052.9 | 0.0 | S |
| 113.917 | 0.0000 | 0.0000 | 81.961 | 0.24554 | 0.00000 | 602892.1 | 424060.2 | 0.0 | S |
| 113.925 | 0.0000 | 0.0000 | 81.961 | 0.24553 | 0.00000 | 602892.1 | 424067.6 | 0.0 | S |
| 113.933 | 0.0000 | 0.0000 | 81.961 | 0.24551 | 0.00000 | 602892.1 | 424075.0 | 0.0 | S |
| 113.942 | 0.0000 | 0.0000 | 81.961 | 0.24549 | 0.00000 | 602892.1 | 424082.3 | 0.0 | S |
| 113.950 | 0.0000 | 0.0000 | 81.961 | 0.24547 | 0.00000 | 602892.1 | 424089.7 | 0.0 | S |
| 113.958 | 0.0000 | 0.0000 | 81.960 | 0.24545 | 0.00000 | 602892.1 | 424097.1 | 0.0 | S |
| 113.967 | 0.0000 | 0.0000 | 81.960 | 0.24544 | 0.00000 | 602892.1 | 424104.4 | 0.0 | S |
| 113.975 | 0.0000 | 0.0000 | 81.960 | 0.24542 | 0.00000 | 602892.1 | 424111.8 | 0.0 | S |
| 113.983 | 0.0000 | 0.0000 | 81.960 | 0.24540 | 0.00000 | 602892.1 | 424119.2 | 0.0 | S |
| 113.992 | 0.0000 | 0.0000 | 81.960 | 0.24538 | 0.00000 | 602892.1 | 424126.5 | 0.0 | S |
| 114.000 | 0.0000 | 0.0000 | 81.960 | 0.24536 | 0.00000 | 602892.1 | 424133.9 | 0.0 | S |
| 114.008 | 0.0000 | 0.0000 | 81,960 | 0.24535 | 0.00000 | 602892.1 | 424141.2 | 0.0 | S |
| 114.017 | 0.0000 | 0.0000 | 81,960 | 0.24533 | 0.00000 | 602892.1 | 424148.6 | 0.0 | S |
| 114.025 | 0.0000 | 0.0000 | 81.959 | 0.24531 | 0.00000 | 602892.1 | 424155.9 | 0.0 | S |
| \$14.033 | 0.0000 | 0.0000 | 81.959 | 0.24529 | 0.00000 | 602892.1 | 424163.3 | 0.0 | S |
| 114.042 | 0.0000 | 0.0000 | 81.959 | 0.24527 | 0.00000 | 602892.1 | 424170.7 | 0.0 | S |
| 114.050 | 0.0000 | 0.0000 | 81.959 | 0.24526 | 0.00000 | 602892.1 | 424178.0 | 0.0 | S |
| 114.058 | 0.0000 | 0.0000 | 81.959 | 0.24524 | 0.00000 | 602892.1 | 424185.4 | 0.0 | S |
| 114.067 | 0.0000 | 0.0000 | 81.959 | 0.24522 | 0.00000 | 602892.1 | 424192.8 | 0.0 | S |
| 114.075 | 0.0000 | 0.0000 | 81,959 | 0.24520 | 0.00000 | 602892.1 | 424200.1 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year $/ 24$ hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow <br> Rate <br> ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ff datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumufative Infiltration Volume (fty) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 114.083 | 0.0000 | 0.0000 | 81.959 | 0.24518 | 0.00000 | 602892.1 | 424207.4 | 0.0 | S |
| 114.092 | 0.0000 | 0.0000 | 81.958 | 0.24517 | 0.00000 | 602892.1 | 424214.8 | 0.0 | S |
| 114.100 | 0.0000 | 0.0000 | 81.958 | 0.24515 | 0.00000 | 602892.1 | 424222.2 | 0.0 | S |
| 114.108 | 0.0000 | 0.0000 | 81.958 | 0.24513 | 0.00000 | 602892.1 | 424229.5 | 0.0 | S |
| 114.117 | 0.0000 | 0.0000 | 81.958 | 0.24511 | 0.00000 | 602892.1 | 424236.9 | 0.0 | S |
| 114.125 | 0.0000 | 0.0000 | 81.958 | 0.24509 | 0.00000 | 602892.1 | 424244.2 | 0.0 | S |
| 114.133 | 0.0000 | 0.0000 | 81.958 | 0.24508 | 0.00000 | 602892.1 | 424251.6 | 0.0 | S |
| 114.142 | 0.0000 | 0.0000 | 81.958 | 0.24506 | 0.00000 | 602892.1 | 424258.9 | 0.0 | S |
| 114.150 | 0.0000 | 0.0000 | 81.958 | 0.24504 | 0.00000 | 602892.1 | 424266.3 | 0.0 | S |
| 114.158 | 0.0000 | 0.0000 | 81.957 | 0.24502 | 0.00000 | 602892.1 | 424273.6 | 0.0 | S |
| 114.167 | 0.0000 | 0.0000 | 81.957 | 0.24501 | 0.00000 | 602892.1 | 424281.0 | 0.0 | S |
| 114.175 | 0.0000 | 0.0000 | 81.957 | 0.24499 | 0.00000 | 602892.1 | 424288.3 | 0.0 | S |
| 114.183 | 0.0000 | 0.0000 | 81.957 | 0.24497 | 0.00000 | 602892.1 | 424295.7 | 0.0 | S |
| 114.192 | 0.0000 | 0.0000 | 81.957 | 0.24495 | 0.00000 | 602892.1 | 424303.0 | 0.0 | S |
| 114.200 | 0.0000 | 0.0000 | 81.957 | 0.24493 | 0.00000 | 602892.1 | 424310.4 | 0.0 | S |
| 114.208 | 0.0000 | 0.0000 | 81.957 | 0.24492 | 0.00000 | 602892.1 | 424317.7 | 0.0 | S |
| 114.217 | 0.0000 | 0.0000 | 81.957 | 0.24490 | 0.00000 | 602892.1 | 424325.1 | 0.0 | S |
| 114.225 | 0.0000 | 0.0000 | 81.956 | 0.24488 | 0.00000 | 602892.1 | 424332.4 | 0.0 | S |
| 114.233 | 0.0000 | 0.0000 | 81.956 | 0.24486 | 0.00000 | 602892.1 | 424339.8 | 0.0 | S |
| 114.242 | 0.0000 | 0.0000 | 81.956 | 0.24484 | 0.00000 | 602892.1 | 424347.1 | 0.0 | S |
| 114.250 | 0.0000 | 0.0000 | 81.956 | 0.24483 | 0.00000 | 602892.1 | 424354.4 | 0.0 | S |
| 114.258 | 0.0000 | 0.0000 | 81.956 | 0.24481 | 0.00000 | 602892.1 | 424361.8 | 0.0 | S |
| 114.267 | 0.0000 | 0.0000 | 81.956 | 0.24479 | 0.00000 | 602892.1 | 424369.1 | 0.0 | S |
| 114.275 | 0.0000 | 0.0000 | 81.956 | 0.24477 | 0.00000 | 602892.1 | 424376.5 | 0.0 | S |
| 114.283 | 0.0000 | 0.0000 | 81.955 | 0.24475 | 0.00000 | 602892.1 | 424383.8 | 0.0 | S |
| 114.292 | 0.0000 | 0.0000 | 81.955 | 0.24474 | 0.00000 | 602892.1 | 424391.2 | 0.0 | S |
| 114.300 | 0.0000 | 0.0000 | 81.955 | 0.24472 | 0.00000 | 602892.1 | 424398.5 | 0.0 | S |
| 114.308 | 0.0000 | 0.0000 | 81.955 | 0.24470 | 0.00000 | 602892.1 | 424405.8 | 0.0 | S |
| 114.317 | 0.0000 | 0.0000 | 81.955 | 0.24468 | 0.00000 | 602892.1 | 424413.2 | 0.0 | S |
| 114.325 | 0.0000 | 0.0000 | 81.955 | 0.24467 | 0.00000 | 602892.1 | 424420.5 | 0.0 | S |
| 114.333 | 0.0000 | 0.0000 | 81.955 | 0.24465 | 0.00000 | 602892.1 | 424427.9 | 0.0 | S |
| 114.342 | 0.0000 | 0.0000 | 81.955 | 0.24463 | 0.00000 | 602892.1 | 424435.2 | 0.0 | S |
| 114.350 | 0.0000 | 0.0000 | 81.954 | 0.24461 | 0.00000 | 602892.1 | 424442.6 | 0.0 | S |
| 114.358 | 0.0000 | 0.0000 | 81.954 | 0.24459 | 0.00000 | 602892.1 | 424449.9 | 0.0 | S |
| 114.367 | 0.0000 | 0.0000 | 81.954 | 0.24458 | 0.00000 | 602892.1 | 424457.2 | 0.0 | S |
| 114.375 | 0.0000 | 0.0000 | 81.954 | 0.24456 | 0.00000 | 602892.1 | 424464.6 | 0.0 | S |
| 114.383 | 0.0000 | 0.0000 | 81.954 | 0.24454 | 0.00000 | 602892.1 | 424471.9 | 0.0 | S |
| 114.392 | 0.0000 | 0.0000 | 81.954 | 0.24452 | 0.00000 | 602892.1 | 424479.3 | 0.0 | S |
| 114.400 | 0.0000 | 0.0000 | 81.954 | 0.24450 | 0.00000 | 602892.1 | 424486.6 | 0.0 | S |
| 114.408 | 0.0000 | 0.0000 | 81.954 | 0.24449 | 0.00000 | 602892.1 | 424493.9 | 0.0 | S |
| 114.417 | 0.0000 | 0.0000 | 81.953 | 0.24447 | 0.00000 | 602892.1 | 424501.3 | 0.0 | S |
| 114.425 | 0.0000 | 0.0000 | 81.953 | 0.24445 | 0.00000 | 602892.1 | 424508.6 | 0.0 | S |
| 114.433 | 0.0000 | 0.0000 | 81.953 | 0.24443 | 0.00000 | 602892.1 | 424515.9 | 0.0 | S |
| 114.442 | 0.0000 | 0.0000 | 81.953 | 0.24442 | 0.00000 | 602892.1 | 424523.3 | 0.0 | S |
| 114.450 | 0.0000 | 0.0000 | 81.953 | 0.24440 | 0.00000 | 602892.1 | 424530.6 | 0.0 | S |
| 114.458 | 0.0000 | 0.0000 | 81.953 | 0.24438 | 0.00000 | 602892.1 | 424537.9 | 0.0 | S |
| 114.467 | 0.0000 | 0.0000 | 81.953 | 0.24436 | 0.00000 | 602892.1 | 424545.2 | 0.0 | S |
| 114.475 | 0.0000 | 0.0000 | 81.953 | 0.24434 | 0.00000 | 602892.1 | 424552.6 | 0.0 | S |
| 114.483 | 0.0000 | 0.0000 | 81.952 | 0.24433 | 0.00000 | 602892.1 | 424559.9 | 0.0 | S |
| 114.492 | 0.0000 | 0.0000 | 81.952 | 0.24431 | 0.00000 | 602892.1 | 424567.2 | 0.0 | S |
| 114.500 | 0.0000 | 0.0000 | 81.952 | 0.24429 | 0.00000 | 602892.1 | 424574.6 | 0.0 | S |
| 114.508 | 0.0000 | 0.0000 | 81.952 | 0.24427 | 0.00000 | 602892.1 | 424581.9 | 0.0 | S |
| 114.517 | 0.0000 | 0.0000 | 81.952 | 0.24426 | 0.00000 | 602892.1 | 424589.2 | 0.0 | S |
| 114.525 | 0.0000 | 0.0000 | 81.952 | 0.24424 | 0.00000 | 602892.1 | 424596.5 | 0.0 | S |
| 114.533 | 0.0000 | 0.0000 | 81.952 | 0.24422 | 0.00000 | 602892.1 | 424603.9 | 0.0 | S |
| $1 \ddagger 4.542$ | 0.0000 | 0.0000 | 81.951 | 0.24420 | 0.00000 | 602892.1 | 424611.2 | 0.0 | S |
| 114.550 | 0.0000 | 0.0000 | 81.951 | 0.24418 | 0.00000 | 602892.1 | 424618.5 | 0.0 | S |
| 114.558 | 0.0000 | 0.0000 | 81.951 | 0.24417 | 0.00000 | 602892.1 | 424625.8 | 0.0 | S |
| 114.567 | 0.0000 | 0.0000 | 81.951 | 0.24415 | 0.00000 | 602892.1 | 424633.2 | 0.0 | S |
| 114.575 | 0.0000 | 0.0000 | 81.951 | 0.24413 | 0.00000 | 602892.1 | 424640.5 | 0.0 | S |
| 114.583 | 0.0000 | 0.0000 | 81.951 | 0.24411 | 0.00000 | 602892.1 | 424647.8 | 0.0 | S |
| 114.592 | 0.0000 | 0.0000 | 81.951 | 0.24410 | 0.00000 | 602892.1 | 424655.1 | 0.0 | S |
| 114.600 | 0.0000 | 0.0000 | 81.951 | 0.24408 | 0.00000 | 602892.1 | 424662.5 | 0.0 | S |
| 114.608 | 0.0000 | 0.0000 | 81.950 | 0.24406 | 0.00000 | 602892.1 | 424669.8 | 0.0 | S |
| 114.617 | 0.0000 | 0.0000 | 81.950 | 0.24404 | 0.00000 | 602892.1 | 424677.1 | 0.0 | S |
| 114.625 | 0.0000 | 0.0000 | 81.950 | 0.24402 | 0.00000 | 602892.1 | 424684.4 | 0.0 | S |
| 114.633 | 0.0000 | 0.0000 | 81.950 | 0.24401 | 0.00000 | 602892.1 | 424691.8 | 0.0 | S |
| 114.642 | 0.0000 | 0.0000 | 81.950 | 0.24399 | 0.00000 | 602892.1 | 424699.1 | 0.0 | S |
| 114.650 | 0.0000 | 0.0000 | 81.950 | 0.24397 | 0.00000 | 602892.1 | 424706.4 | 0.0 | S |
| 114.658 | 0.0000 | 0.0000 | 81.950 | 0.24395 | 0.00000 | 602892.1 | 424713.7 | 0.0 | S |
| 114.667 | 0.0000 | 0.0000 | 81.950 | 0.24394 | 0.00000 | 602892.1 | 424721.0 | 0.0 | S |
| 114.675 | 0.0000 | 0.0000 | 81.949 | 0.24392 | 0.00000 | 602892.1 | 424728.3 | 0.0 | S |
| 114.683 | 0.0000 | 0.0000 | 81.949 | 0.24390 | 0.00000 | 602892.1 | 424735.7 | 0.0 | S |
| 114.692 | 0.0000 | 0.0000 | 81.949 | 0.24388 | 0.00000 | 602892.1 | 424743.0 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{3}$ s) | Outside Recharge (ff/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overfiow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume (ft ${ }^{3}$ ) | Cumulative Discharge Volume (ft ${ }^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 114.700 | 0.0000 | 0.0000 | 81.949 | 0.24386 | 0.00000 | 602892.1 | 424750.3 | 0.0 | S |
| 114.708 | 0.0000 | 0.0000 | 81.949 | 0.24385 | 0.00000 | 602892.1 | 424757.6 | 0.0 | S |
| 114.717 | 0.0000 | 0.0000 | 81.949 | 0.24383 | 0.00000 | 602892.1 | 424764.9 | 0.0 | S |
| 114.725 | 0.0000 | 0.0000 | 81.949 | 0.24381 | 0.00000 | 602892.1 | 424772.3 | 0.0 | S |
| 114.733 | 0.0000 | 0.0000 | 81.949 | 0.24379 | 0.00000 | 602892.1 | 424779.6 | 0.0 | S |
| 114.742 | 0.0000 | 0.0000 | 81.948 | 0.24378 | 0.00000 | 602892.1 | 424786.9 | 0.0 | S |
| 114.750 | 0.0000 | 0.0000 | 81.948 | 0.24376 | 0.00000 | 602892.1 | 424794.2 | 0.0 | S |
| 114.758 | 0.0000 | 0.0000 | 81.948 | 0.24374 | 0.00000 | 602892.1 | 424801.5 | 0.0 | S |
| 114.767 | 0.0000 | 0.0000 | 81.948 | 0.24372 | 0.00000 | 602892.1 | 424808.8 | 0.0 | S |
| 114.775 | 0.0000 | 0.0000 | 81.948 | 0.24370 | 0.00000 | 602892.1 | 424816.1 | 0.0 | S |
| 114.783 | 0.0000 | 0.0000 | 81.948 | 0.24369 | 0.00000 | 602892.1 | 424823.4 | 0.0 | S |
| 114.792 | 0.0000 | 0.0000 | 81.948 | 0.24367 | 0.00000 | 602892.1 | 424830.7 | 0.0 | S |
| 114.800 | 0.0000 | 0.0000 | 81.948 | 0.24365 | 0.00000 | 602892.1 | 424838.0 | 0.0 | S |
| 114.808 | 0.0000 | 0.0000 | 81.947 | 0.24363 | 0.00000 | 602892.1 | 424845.3 | 0.0 | S |
| 114.817 | 0.0000 | 0.0000 | 81.947 | 0.24362 | 0.00000 | 602892.1 | 424852.7 | 0.0 | S |
| 114.825 | 0.0000 | 0.0000 | 81.947 | 0.24360 | 0.00000 | 602892.1 | 424860.0 | 0.0 | S |
| 114.833 | 0.0000 | 0.0000 | 81.947 | 0.24358 | 0.00000 | 602892.1 | 424867.3 | 0.0 | S |
| 114.842 | 0.0000 | 0.0000 | 81.947 | 0.24356 | 0.00000 | 602892.1 | 424874.6 | 0.0 | S |
| 114.850 | 0.0000 | 0.0000 | 81.947 | 0.24355 | 0.00000 | 602892.1 | 424881.9 | 0.0 | S |
| 114.858 | 0.0000 | 0.0000 | 81.947 | 0.24353 | 0.00000 | 602892.1 | 424889.2 | 0.0 | S |
| 114.867 | 0.0000 | 0.0000 | 81.946 | 0.24351 | 0.00000 | 602892.1 | 424896.5 | 0.0 | S |
| 114.875 | 0.0000 | 0.0000 | 81.946 | 0.24349 | 0.00000 | 602892.1 | 424903.8 | 0.0 | S |
| 114.883 | 0.0000 | 0.0000 | 81.946 | 0.24347 | 0.00000 | 602892.1 | 424911.1 | 0.0 | S |
| 114.892 | 0.0000 | 0.0000 | 81.946 | 0.24346 | 0.00000 | 602892.1 | 424918.4 | 0.0 | S |
| 114.900 | 0.0000 | 0.0000 | 81.946 | 0.24344 | 0.00000 | 602892.1 | 424925.7 | 0.0 | S |
| 114.908 | 0.0000 | 0.0000 | 81.946 | 0.24342 | 0.00000 | 602892.1 | 424933.0 | 0.0 | S |
| 114.917 | 0.0000 | 0.0000 | 81.946 | 0.24340 | 0.00000 | 602892.1 | 424940.3 | 0.0 | S |
| 114.925 | 0.0000 | 0.0000 | 81.946 | 0.24339 | 0.00000 | 602892.1 | 424947.6 | 0.0 | S |
| 114.933 | 0.0000 | 0.0000 | 81.945 | 0.24337 | 0.00000 | 602892.1 | 424954.9 | 0.0 | S |
| 114.942 | 0.0000 | 0.0000 | 81.945 | 0.24335 | 0.00000 | 602892.1 | 424962.2 | 0.0 | S |
| 114.950 | 0.0000 | 0.0000 | 81.945 | 0.24333 | 0.00000 | 602892.1 | 424969.5 | 0.0 | S |
| 114.958 | 0.0000 | 0.0000 | 81.945 | 0.24332 | 0.00000 | 602892.1 | 424976.8 | 0.0 | S |
| 114.967 | 0.0000 | 0.0000 | 81.945 | 0.24330 | 0.00000 | 602892.1 | 424984.1 | 0.0 | S |
| 114.975 | 0.0000 | 0.0000 | 81.945 | 0.24328 | 0.00000 | 602892.1 | 424991.4 | 0.0 | S |
| 114.983 | 0.0000 | 0.0000 | 81.945 | 0.24326 | 0.00000 | 602892.1 | 424998.7 | 0.0 | S |
| 114.992 | 0.0000 | 0.0000 | 81.945 | 0.24324 | 0.00000 | 602892.1 | 425006.0 | 0.0 | S |
| 115.000 | 0.0000 | 0.0000 | 81.944 | 0.24323 | 0.00000 | 602892.1 | 425013.3 | 0.0 | S |
| 115.008 | 0.0000 | 0.0000 | 81.944 | 0.24321 | 0.00000 | 602892.1 | 425020.6 | 0.0 | S |
| 115.017 | 0.0000 | 0.0000 | 81.944 | 0.24319 | 0.00000 | 602892.1 | 425027.9 | 0.0 | S |
| 115.025 | 0.0000 | 0.0000 | 81.944 | 0.24317 | 0.00000 | 602892.1 | 425035.2 | 0.0 | S |
| 115.033 | 0.0000 | 0.0000 | 81.944 | 0.24316 | 0.00000 | 602892.1 | 425042.5 | 0.0 | S |
| 115.042 | 0.0000 | 0.0000 | 81.944 | 0.24314 | 0.00000 | 602892.1 | 425049.8 | 0.0 | S |
| 115.050 | 0.0000 | 0.0000 | 81.944 | 0.24312 | 0.00000 | 602892.1 | 425057.1 | 0.0 | S |
| 115.058 | 0.0000 | 0.0000 | 81.944 | 0.24310 | 0.00000 | 602892.1 | 425064.4 | 0.0 | S |
| 115.067 | 0.0000 | 0.0000 | 81.943 | 0.24309 | 0.00000 | 602892.1 | 425071.7 | 0.0 | S |
| 115.075 | 0.0000 | 0.0000 | 81.943 | 0.24307 | 0.00000 | 602892.1 | 425079.0 | 0.0 | S |
| 115.083 | 0.0000 | 0.0000 | 81.943 | 0.24305 | 0.00000 | 602892.1 | 425086.3 | 0.0 | S |
| 115.092 | 0.0000 | 0.0000 | 81.943 | 0.24303 | 0.00000 | 602892.1 | 425093.6 | 0.0 | S |
| 115.100 | 0.0000 | 0.0000 | 81.943 | 0.24301 | 0.00000 | 602892.1 | 425100.8 | 0.0 | S |
| 115.108 | 0.0000 | 0.0000 | 81.943 | 0.24300 | 0.00000 | 602892.1 | 425108.1 | 0.0 | S |
| 115.117 | 0.0000 | 0.0000 | 81.943 | 0.24298 | 0.00000 | 602892.1 | 425115.4 | 0.0 | S |
| 115.125 | 0.0000 | 0.0000 | 81.943 | 0.24296 | 0.00000 | 602892.1 | 425122.7 | 0.0 | S |
| 115.133 | 0.0000 | 0.0000 | 81.942 | 0.24294 | 0.00000 | 602892.1 | 425130.0 | 0.0 | S |
| 115.142 | 0.0000 | 0.0000 | 81.942 | 0.24293 | 0.00000 | 602892.1 | 425137.3 | 0.0 | S |
| 115.150 | 0.0000 | 0.0000 | 81.942 | 0.24291 | 0.00000 | 602892.1 | 425144.6 | 0.0 | S |
| 115.158 | 0.0000 | 0.0000 | 81.942 | 0.24289 | 0.00000 | 602892.1 | 425151.9 | 0.0 | S |
| 115.167 | 0.0000 | 0.0000 | 81.942 | 0.24287 | 0.00000 | 602892.1 | 425159.2 | 0.0 | S |
| 115.175 | 0.0000 | 0.0000 | 81.942 | 0.24286 | 0.00000 | 602892.1 | 425166.4 | 0.0 | S |
| 115.183 | 0.0000 | 0.0000 | 81.942 | 0.24284 | 0.00000 | 602892.1 | 425173.7 | 0.0 | S |
| 115.192 | 0.0000 | 0.0000 | 81.942 | 0.24282 | 0.00000 | 602892.1 | 425181.0 | 0.0 | S |
| 115.200 | 0.0000 | 0.0000 | 81.941 | 0.24280 | 0.00000 | 602892.1 | 425188.3 | 0.0 | S |
| 115.208 | 0.0000 | 0.0000 | 81.941 | 0.24279 | 0.00000 | 602892.1 | 425195.6 | 0.0 | S |
| 115.217 | 0.0000 | 0.0000 | 81.941 | 0.24277 | 0.00000 | 602892.1 | 425202.8 | 0.0 | S |
| 115.225 | 0.0000 | 0.0000 | 81.941 | 0.24275 | 0.00000 | 602892.1 | 425210.1 | 0.0 | S |
| 115.233 | 0.0000 | 0.0000 | 81.941 | 0.24273 | 0.00000 | 602892.1 | 425217.4 | 0.0 | S |
| 115.242 | 0.0000 | 0.0000 | 81.941 | 0.24272 | 0.00000 | 602892.1 | 425224.7 | 0.0 | S |
| 115.250 | 0.0000 | 0.0000 | 81.941 | 0.24270 | 0.00000 | 602892.1 | 425232.0 | 0.0 | S |
| 115.258 | 0.0000 | 0.0000 | 81.940 | 0.24268 | 0.00000 | 602892.1 | 425239.3 | 0.0 | S |
| 115.267 | 0.0000 | 0.0000 | 81.940 | 0.24266 | 0.00000 | 602892.1 | 425246.5 | 0.0 | S |
| 115.275 | 0.0000 | 0.0000 | 81.940 | 0.24265 | 0.00000 | 602892.1 | 425253.8 | 0.0 | S |
| 115.283 | 0.0000 | 0.0000 | 81.940 | 0.24263 | 0.00000 | 602892.1 | 425261.1 | 0.0 | S |
| \$15.292 | 0.0000 | 0.0000 | 81.940 | 0.24261 | 0.00000 | 602892.1 | 425268.4 | 0.0 | S |
| 115.300 | 0.0000 | 0.0000 | 81.940 | 0.24259 | 0.00000 | 602892.1 | 425275.7 | 0.0 | S |
| 115.308 | 0.0000 | 0.0000 | 81.940 | 0.24257 | 0.00000 | 602892.1 | 425282.9 | 0.0 | S |

PONDS Version 3.2.0207

# Retention Pond Recovery - Refined Method <br> Copyright 2003 

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{H}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 /} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{fl}^{3}$ ) | Cumulative infittration Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{fl}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 115.317 | 0.0000 | 0.0000 | 81.940 | 0.24256 | 0.00000 | 602892.1 | 425290.2 | 0.0 | S |
| 115.325 | 0.0000 | 0.0000 | 81.939 | 0.24254 | 0.00000 | 602892.1 | 425297.5 | 0.0 | S |
| 115.333 | 0.0000 | 0.0000 | 81.939 | 0.24252 | 0.00000 | 602892.1 | 425304.8 | 0.0 | S |
| 115.342 | 0.0000 | 0.0000 | 81.939 | 0.24250 | 0.00000 | 602892.1 | 425312.0 | 0.0 | S |
| 115.350 | 0.0000 | 0.0000 | 81.939 | 0.24249 | 0.00000 | 602892.1 | 425319.3 | 0.0 | S |
| 115.358 | 0.0000 | 0.0000 | 81.939 | 0.24247 | 0.00000 | 602892.1 | 425326.6 | 0.0 | S |
| 115.367 | 0.0000 | 0.0000 | 81.939 | 0.24245 | 0.00000 | 602892.1 | 425333.9 | 0.0 | S |
| 115.375 | 0.0000 | 0.0000 | 81.939 | 0.24243 | 0.00000 | 602892.1 | 425341.1 | 0.0 | S |
| 115.383 | 0.0000 | 0.0000 | 81.939 | 0.24242 | 0.00000 | 602892.1 | 425348.4 | 0.0 | S |
| 115.392 | 0.0000 | 0.0000 | 81.938 | 0.24240 | 0.00000 | 602892.1 | 425355.7 | 0.0 | S |
| 115.400 | 0.0000 | 0.0000 | 81.938 | 0.24238 | 0.00000 | 602892.1 | 425363.0 | 0.0 | S |
| 115.408 | 0.0000 | 0.0000 | 81.938 | 0.24236 | 0.00000 | 602892.1 | 425370.2 | 0.0 | S |
| 115.417 | 0.0000 | 0.0000 | 81.938 | 0.24235 | 0.00000 | 602892.1 | 425377.5 | 0.0 | S |
| 115.425 | 0.0000 | 0.0000 | 81.938 | 0.24233 | 0.00000 | 602892.1 | 425384.8 | 0.0 | S |
| 115.433 | 0.0000 | 0.0000 | 81.938 | 0.24231 | 0.00000 | 602892.1 | 425392.0 | 0.0 | S |
| 115.442 | 0.0000 | 0.0000 | 81.938 | 0.24229 | 0.00000 | 602892.1 | 425399.3 | 0.0 | S |
| 115.450 | 0.0000 | 0.0000 | 81.938 | 0.24228 | 0.00000 | 602892.1 | 425406.6 | 0.0 | S |
| 115.458 | 0.0000 | 0.0000 | 81.937 | 0.24226 | 0.00000 | 602892.1 | 425413.8 | 0.0 | S |
| 115.467 | 0.0000 | 0.0000 | 81.937 | 0.24224 | 0.00000 | 602892.1 | 425421.1 | 0.0 | S |
| 115.475 | 0.0000 | 0.0000 | 81.937 | 0.24222 | 0.00000 | 602892.1 | 425428.4 | 0.0 | S |
| 115.483 | 0.0000 | 0.0000 | 81.937 | 0.24221 | 0.00000 | 602892.1 | 425435.7 | 0.0 | S |
| 115.492 | 0.0000 | 0.0000 | 81.937 | 0.24219 | 0.00000 | 602892.1 | 425442.9 | 0.0 | S |
| 115.500 | 0.0000 | 0.0000 | 81.937 | 0.24217 | 0.00000 | 602892.1 | 425450.2 | 0.0 | S |
| 115.508 | 0.0000 | 0.0000 | 81.937 | 0.24215 | 0.00000 | 602892.1 | 425457.4 | 0.0 | S |
| 115.517 | 0.0000 | 0.0000 | 81.937 | 0.24214 | 0.00000 | 602892.1 | 425464.7 | 0.0 | S |
| 115.525 | 0.0000 | 0.0000 | 81.936 | 0.24212 | 0.00000 | 602892.1 | 425472.0 | 0.0 | S |
| 115.533 | 0.0000 | 0.0000 | 81.936 | 0.24210 | 0.00000 | 602892.1 | 425479.2 | 0.0 | S |
| 115.542 | 0.0000 | 0.0000 | 81.936 | 0.24208 | 0.00000 | 602892.1 | 425486.5 | 0.0 | S |
| 115.550 | 0.0000 | 0.0000 | 81.936 | 0.24207 | 0.00000 | 602892.1 | 425493.8 | 0.0 | S |
| 115.558 | 0.0000 | 0.0000 | 81.936 | 0.24205 | 0.00000 | 602892.1 | 425501.0 | 0.0 | S |
| 115.567 | 0.0000 | 0.0000 | 81.936 | 0.24203 | 0.00000 | 602892.1 | 425508.3 | 0.0 | S |
| 115.575 | 0.0000 | 0.0000 | 81.936 | 0.24201 | 0.00000 | 602892.1 | 425515.5 | 0.0 | S |
| 115.583 | 0.0000 | 0.0000 | 81.936 | 0.24200 | 0.00000 | 602892.1 | 425522.8 | 0.0 | S |
| 115.592 | 0.0000 | 0.0000 | 81.935 | 0.24198 | 0.00000 | 602892.1 | 425530.1 | 0.0 | S |
| 115.600 | 0.0000 | 0.0000 | 81.935 | 0.24196 | 0.00000 | 602892.1 | 425537.3 | 0.0 | S |
| 115.608 | 0.0000 | 0.0000 | 81.935 | 0.24194 | 0.00000 | 602892.1 | 425544.6 | 0.0 | S |
| 115.617 | 0.0000 | 0.0000 | 81.935 | 0.24193 | 0.00000 | 602892.1 | 425551.8 | 0.0 | S |
| 115.625 | 0.0000 | 0.0000 | 81.935 | 0.24191 | 0.00000 | 602892.1 | 425559.1 | 0.0 | S |
| 115.633 | 0.0000 | 0.0000 | 81.935 | 0.24189 | 0.00000 | 602892.1 | 425566.3 | 0.0 | S |
| 115.642 | 0.0000 | 0.0000 | 81.935 | 0.24187 | 0.00000 | 602892.1 | 425573.6 | 0.0 | S |
| 115.650 | 0.0000 | 0.0000 | 81.934 | 0.24186 | 0.00000 | 602892.1 | 425580.9 | 0.0 | S |
| 115.658 | 0.0000 | 0.0000 | 81.934 | 0.24184 | 0.00000 | 602892.1 | 425588.1 | 0.0 | S |
| 115.667 | 0.0000 | 0.0000 | 81.934 | 0.24182 | 0.00000 | 602892.1 | 425595.4 | 0.0 | S |
| 115.675 | 0.0000 | 0.0000 | 81.934 | 0.24180 | 0.00000 | 602892.1 | 425602.6 | 0.0 | S |
| 115.683 | 0.0000 | 0.0000 | 81.934 | 0.24179 | 0.00000 | 602892.1 | 425609.9 | 0.0 | S |
| 115.692 | 0.0000 | 0.0000 | 81.934 | 0.24177 | 0.00000 | 602892.1 | 425617.1 | 0.0 | S |
| 115.700 | 0.0000 | 0.0000 | 81.934 | 0.24175 | 0.00000 | 602892.1 | 425624.4 | 0.0 | S |
| 115.708 | 0.0000 | 0.0000 | 81.934 | 0.24173 | 0.00000 | 602892.1 | 425631.6 | 0.0 | S |
| 115.717 | 0.0000 | 0.0000 | 81.933 | 0.24172 | 0.00000 | 602892.1 | 425638.9 | 0.0 | S |
| 115.725 | 0.0000 | 0.0000 | 81.933 | 0.24170 | 0.00000 | 602892.1 | 425646.2 | 0.0 | S |
| 115.733 | 0.0000 | 0.0000 | 81.933 | 0.24168 | 0.00000 | 602892.7 | 425653.4 | 0.0 | S |
| 115.742 | 0.0000 | 0.0000 | 81.933 | 0.24166 | 0.00000 | 602892.1 | 425660.7 | 0.0 | S |
| 115.750 | 0.0000 | 0.0000 | 81.933 | 0.24165 | 0.00000 | 602892.1 | 425667.9 | 0.0 | S |
| 115.758 | 0.0000 | 0.0000 | 81.933 | 0.24163 | 0.00000 | 602892.1 | 425675.2 | 0.0 | S |
| 115.767 | 0.0000 | 0.0000 | 81.933 | 0.24161 | 0.00000 | 602892.1 | 425682.4 | 0.0 | S |
| 115.775 | 0.0000 | 0.0000 | 81.933 | 0.24159 | 0.00000 | 602892.1 | 425689.6 | 0.0 | S |
| 115.783 | 0.0000 | 0.0000 | 81.932 | 0.24158 | 0.00000 | 602892.1 | 425696.9 | 0.0 | S |
| 115.792 | 0.0000 | 0.0000 | 81.932 | 0.24156 | 0.00000 | 602892.1 | 425704.1 | 0.0 | S |
| 115.800 | 0.0000 | 0.0000 | 81.932 | 0.24154 | 0.00000 | 602892.1 | 425711.4 | 0.0 | S |
| 115.808 | 0.0000 | 0.0000 | 81.932 | 0.24152 | 0.00000 | 602892.1 | 425718.6 | 0.0 | S |
| 115.817 | 0.0000 | 0.0000 | 81.932 | 0.24151 | 0.00000 | 602892.1 | 425725.9 | 0.0 | S |
| 115.825 | 0.0000 | 0.0000 | 81.932 | 0.24149 | 0.00000 | 602892.1 | 425733.1 | 0.0 | S |
| \$15.833 | 0.0000 | 0.0000 | 81.932 | 0.24147 | 0.00000 | 602892.1 | 425740.4 | 0.0 | S |
| 115.842 | 0.0000 | 0.0000 | 81.932 | 0.24146 | 0.00000 | 602892.1 | 425747.6 | 0.0 | S |
| 115.850 | 0.0000 | 0.0000 | 81.931 | 0.24144 | 0.00000 | 602892.1 | 425754.8 | 0.0 | S |
| 115.858 | 0.0000 | 0.0000 | 81.931 | 0.24142 | 0.00000 | 602892.1 | 425762.1 | 0.0 | S |
| 115.867 | 0.0000 | 0.0000 | 81.931 | 0.24140 | 0.00000 | 602892.1 | 425769.3 | 0.0 | S |
| 115.875 | 0.0000 | 0.0000 | 81.931 | 0.24139 | 0.00000 | 602892.1 | 425776.6 | 0.0 | S |
| 115.883 | 0.0000 | 0.0000 | 81.931 | 0.24137 | 0.00000 | 602892.1 | 425783.8 | 0.0 | S |
| 115.892 | 0.0000 | 0.0000 | 81.931 | 0.24135 | 0.00000 | 602892.1 | 425791.1 | 0.0 | S |
| 115.900 | 0.0000 | 0.0000 | 81.931 | 0.24133 | 0.00000 | 602892.1 | 425798.3 | 0.0 | S |
| 115.908 | 0.0000 | 0.0000 | 81.931 | 0.24132 | 0.00000 | 602892.1 | 425805.5 | 0.0 | S |
| 115.917 | 0.0000 | 0.0000 | 81.930 | 0.24130 | 0.00000 | 602892.1 | 425812.8 | 0.0 | S |
| 115.925 | 0.0000 | 0.0000 | 81.930 | 0.24128 | 0.00000 | 602892.1 | 425820.0 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario $1::$ pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft dałum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overfiow Discharge ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 115.933 | 0.0000 | 0.0000 | 81.930 | 0.24126 | 0.00000 | 602892.1 | 425827.3 | 0.0 | S |
| 115.942 | 0.0000 | 0.0000 | 81.930 | 0.24125 | 0.00000 | 602892.1 | 425834.5 | 0.0 | S |
| 115.950 | 0.0000 | 0.0000 | 81.930 | 0.24123 | 0.00000 | 602892.1 | 425841.7 | 0.0 | S |
| 115.958 | 0.0000 | 0.0000 | 81.930 | 0.24121 | 0.00000 | 602892.1 | 425849.0 | 0.0 | S |
| 115.967 | 0.0000 | 0.0000 | 81.930 | 0.24119 | 0.00000 | 602892.1 | 425856.2 | 0.0 | S |
| 115.975 | 0.0000 | 0.0000 | 81.930 | 0.24118 | 0.00000 | 602892.1 | 425863.4 | 0.0 | S |
| 115.983 | 0.0000 | 0.0000 | 81.929 | 0.24116 | 0.00000 | 602892.1 | 425870.7 | 0.0 | S |
| 115.992 | 0.0000 | 0.0000 | 81.929 | 0.24114 | 0.00000 | 602892.1 | 425877.9 | 0.0 | S |
| 116.000 | 0.0000 | 0.0000 | 81.929 | 0.24112 | 0.00000 | 602892.1 | 425885.1 | 0.0 | S |
| 116.008 | 0.0000 | 0.0000 | 81.929 | 0.24111 | 0.00000 | 602892.1 | 425892.4 | 0.0 | S |
| 116.017 | 0.0000 | 0.0000 | 81.929 | 0.24109 | 0.00000 | 602892.1 | 425899.6 | 0.0 | S |
| 116.025 | 0.0000 | 0.0000 | 81.929 | 0.24107 | 0.00000 | 602892.1 | 425906.8 | 0.0 | S |
| 116.033 | 0.0000 | 0.0000 | 81.929 | 0.24106 | 0.00000 | 602892.1 | 425914.1 | 0.0 | S |
| 116.042 | 0.0000 | 0.0000 | 81.929 | 0.24104 | 0.00000 | 602892.1 | 425921.3 | 0.0 | S |
| 116.050 | 0.0000 | 0.0000 | 81.928 | 0.24102 | 0.00000 | 602892.1 | 425928.5 | 0.0 | S |
| 116.058 | 0.0000 | 0.0000 | 81.928 | 0.24100 | 0.00000 | 602892.1 | 425935.8 | 0.0 | S |
| 116.067 | 0.0000 | 0.0000 | 81.928 | 0.24099 | 0.00000 | 602892.1 | 425943.0 | 0.0 | S |
| 116.075 | 0.0000 | 0.0000 | 81.928 | 0.24097 | 0.00000 | 602892.1 | 425950.2 | 0.0 | S |
| 116.083 | 0.0000 | 0.0000 | 81.928 | 0.24095 | 0.00000 | 602892.1 | 425957.4 | 0.0 | S |
| 116.092 | 0.0000 | 0.0000 | 81.928 | 0.24093 | 0.00000 | 602892.1 | 425964.7 | 0.0 | S |
| 116.100 | 0.0000 | 0.0000 | 81.928 | 0.24092 | 0.00000 | 602892.1 | 425971.9 | 0.0 | S |
| 116.108 | 0.0000 | 0.0000 | 81.928 | 0.24090 | 0.00000 | 602892.1 | 425979.1 | 0.0 | S |
| 116.117 | 0.0000 | 0.0000 | 81.927 | 0.24088 | 0.00000 | 602892.1 | 425986.4 | 0.0 | S |
| 116.125 | 0.0000 | 0.0000 | 81.927 | 0.24086 | 0.00000 | 602892.1 | 425993.6 | 0.0 | S |
| 116.133 | 0.0000 | 0.0000 | 81.927 | 0.24085 | 0.00000 | 602892.1 | 426000.8 | 0.0 | S |
| 116.142 | 0.0000 | 0.0000 | 81.927 | 0.24083 | 0.00000 | 602892.1 | 426008.0 | 0.0 | S |
| 116.150 | 0.0000 | 0.0000 | 81.927 | 0.24081 | 0.00000 | 602892.1 | 426015.3 | 0.0 | S |
| 116.158 | 0.0000 | 0.0000 | 81.927 | 0.24080 | 0.00000 | 602892.1 | 426022.5 | 0.0 | S |
| 116.167 | 0.0000 | 0.0000 | 81.927 | 0.24078 | 0.00000 | 602892.1 | 426029.7 | 0.0 | S |
| 116.175 | 0.0000 | 0.0000 | 81.926 | 0.24076 | 0.00000 | 602892.1 | 426036.9 | 0.0 | S |
| 116.183 | 0.0000 | 0.0000 | 81.926 | 0.24074 | 0.00000 | 602892.1 | 426044.2 | 0.0 | S |
| 116.192 | 0.0000 | 0.0000 | 81.926 | 0.24073 | 0.00000 | 602892.1 | 426051.4 | 0.0 | S |
| 116.200 | 0.0000 | 0.0000 | 81.926 | 0.24071 | 0.00000 | 602892.1 | 426058.6 | 0.0 | S |
| \$16.208 | 0.0000 | 0.0000 | 81.926 | 0.24069 | 0.00000 | 602892.1 | 426065.8 | 0.0 | S |
| 116.217 | 0.0000 | 0.0000 | 81.926 | 0.24067 | 0.00000 | 602892.1 | 426073.0 | 0.0 | S |
| 116.225 | 0.0000 | 0.0000 | 81.926 | 0.24066 | 0.00000 | 602892.1 | 426080.3 | 0.0 | S |
| 116.233 | 0.0000 | 0.0000 | 81.926 | 0.24064 | 0.00000 | 602892.1 | 426087.5 | 0.0 | S |
| 116.242 | 0.0000 | 0.0000 | 81.925 | 0.24062 | 0.00000 | 602892.1 | 426094.7 | 0.0 | S |
| 116.250 | 0.0000 | 0.0000 | 81.925 | 0.24060 | 0.00000 | 602892.1 | 426101.9 | 0.0 | S |
| 116.258 | 0.0000 | 0.0000 | 81.925 | 0.24059 | 0.00000 | 602892.1 | 426109.1 | 0.0 | S |
| 116.267 | 0.0000 | 0.0000 | 81,925 | 0.24057 | 0.00000 | 602892.1 | 426116.3 | 0.0 | S |
| 116.275 | 0.0000 | 0.0000 | 81.925 | 0.24055 | 0.00000 | 602892.1 | 426123.6 | 0.0 | S |
| 116.283 | 0.0000 | 0.0000 | 81.925 | 0.24054 | 0.00000 | 602892.1 | 426130.8 | 0.0 | S |
| 116.292 | 0.0000 | 0.0000 | 81.925 | 0.24052 | 0.00000 | 602892.1 | 426138.0 | 0.0 | S |
| 116.300 | 0.0000 | 0.0000 | 81.925 | 0.24050 | 0.00000 | 602892.1 | 426145.2 | 0.0 | S |
| 116.308 | 0.0000 | 0.0000 | 81.924 | 0.24048 | 0.00000 | 602892.1 | 426152.4 | 0.0 | S |
| 116.317 | 0.0000 | 0.0000 | 81.924 | 0.24047 | 0.00000 | 602892.1 | 426159.7 | 0.0 | S |
| 116.325 | 0.0000 | 0.0000 | 81.924 | 0.24045 | 0.00000 | 602892.1 | 426166.9 | 0.0 | S |
| 116.333 | 0.0000 | 0.0000 | 81.924 | 0.24043 | 0.00000 | 602892.1 | 426174.1 | 0.0 | S |
| 116.342 | 0.0000 | 0.0000 | 81.924 | 0.24041 | 0.00000 | 602892.1 | 426181.3 | 0.0 | S |
| 116.350 | 0.0000 | 0.0000 | 81.924 | 0.24040 | 0.00000 | 602892.1 | 426188.5 | 0.0 | S |
| 116.358 | 0.0000 | 0.0000 | 81.924 | 0.24038 | 0.00000 | 602892.1 | 426195.7 | 0.0 | S |
| 116.367 | 0.0000 | 0.0000 | 81.924 | 0.24036 | 0.00000 | 602892.1 | 426202.9 | 0.0 | S |
| 116.375 | 0.0000 | 0.0000 | 81.923 | 0.24035 | 0.00000 | 602892.1 | 426210.1 | 0.0 | S |
| 116.383 | 0.0000 | 0.0000 | 81.923 | 0.24033 | 0.00000 | 602892.1 | 426217.3 | 0.0 | S |
| 116.392 | 0.0000 | 0.0000 | 81.923 | 0.24031 | 0.00000 | 602892.1 | 426224.6 | 0.0 | S |
| 116.400 | 0.0000 | 0.0000 | 81.923 | 0.24029 | 0.00000 | 602892.1 | 426231.8 | 0.0 | S |
| 116.408 | 0.0000 | 0.0000 | 81.923 | 0.24028 | 0.00000 | 602892.1 | 426239.0 | 0.0 | S |
| 116.417 | 0.0000 | 0.0000 | 81.923 | 0.24026 | 0.00000 | 602892.1 | 426246.2 | 0.0 | S |
| 116.425 | 0.0000 | 0.0000 | 81.923 | 0.24024 | 0.00000 | 602892.1 | 426253.4 | 0.0 | S |
| 116.433 | 0.0000 | 0.0000 | 81.923 | 0.24022 | 0.00000 | 602892.1 | 426260.6 | 0.0 | S |
| 116.442 | 0.0000 | 0.0000 | 81.922 | 0.24021 | 0.00000 | 602892.1 | 426267.8 | 0.0 | S |
| 116.450 | 0.0000 | 0.0000 | 81.922 | 0.24019 | 0.00000 | 602892.1 | 426275.0 | 0.0 | S |
| 116.458 | 0.0000 | 0.0000 | 81.922 | 0.24017 | 0.00000 | 602892.1 | 426282.2 | 0.0 | S |
| 116.467 | 0.0000 | 0.0000 | 81.922 | 0.24016 | 0.00000 | 602892.1 | 426289.4 | 0.0 | S |
| 116.475 | 0.0000 | 0.0000 | 81.922 | 0.24014 | 0.00000 | 602892.1 | 426296.6 | 0.0 | S |
| 116.483 | 0.0000 | 0.0000 | 81.922 | 0.24012 | 0.00000 | 602892.1 | 426303.8 | 0.0 | S |
| 116.492 | 0.0000 | 0.0000 | 81.922 | 0.24010 | 0.00000 | 602892.1 | 426311.0 | 0.0 | S |
| 116.500 | 0.0000 | 0.0000 | 81.922 | 0.24009 | 0.00000 | 602892.1 | 426318.2 | 0.0 | S |
| 116.508 | 0.0000 | 0.0000 | 81.921 | 0.24007 | 0.00000 | 602892.1 | 426325.4 | 0.0 | S |
| 116.517 | 0.0000 | 0.0000 | 81.921 | 0.24005 | 0.00000 | 602892.1 | 426332.6 | 0.0 | S |
| 116.525 | 0.0000 | 0.0000 | 81.921 | 0.24003 | 0.00000 | 602892.1 | 426339.8 | 0.0 | S |
| 116.533 | 0.0000 | 0.0000 | 81.921 | 0.24002 | 0.00000 | 602892.1 | 426347.0 | 0.0 | S |
| 116.542 | 0.0000 | 0.0000 | 81.921 | 0.24000 | 0.00000 | 602892.1 | 426354.3 | 0.0 | S |

PONDS Version 3.2.0207

# Retention Pond Recovery - Refined Method <br> Copyright 2003 

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Ełapsed Time (hours) | Inflow Rate (fis/s) | Outside Recharge (f/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overlow Discharge ( $\mathrm{I}^{3} / \mathrm{s}$ ) | Cumulative inflow <br> Volume (ft ${ }^{3}$ ) | Cumulative Infilitration Volume (fis) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 116.550 | 0.0000 | 0.0000 | 81.921 | 0.23998 | 0.00000 | 602892.1 | 426361.4 | 0.0 | S |
| 116.558 | 0.0000 | 0.0000 | 81.921 | 0.23997 | 0.00000 | 602892.1 | 426368.6 | 0.0 | S |
| 116.567 | 0.0000 | 0.0000 | 81.921 | 0.23995 | 0.00000 | 602892.1 | 426375.8 | 0.0 | S |
| 116.575 | 0.0000 | 0.0000 | 81.920 | 0.23993 | 0.00000 | 602892.1 | 426383.0 | 0.0 | S |
| 116.583 | 0.0000 | 0.0000 | 81.920 | 0.23991 | 0.00000 | 602892.1 | 426390.2 | 0.0 | S |
| 116.592 | 0.0000 | 0.0000 | 81.920 | 0.23990 | 0.00000 | 602892.1 | 426397.4 | 0.0 | S |
| 116.600 | 0.0000 | 0.0000 | 81.920 | 0.23988 | 0.00000 | 602892.1 | 426404.6 | 0.0 | S |
| 116.608 | 0.0000 | 0.0000 | 81.920 | 0.23986 | 0.00000 | 602892.1 | 426411.8 | 0.0 | S |
| 116.617 | 0.0000 | 0.0000 | 81.920 | 0.23985 | 0.00000 | 602892.1 | 426419.0 | 0.0 | S |
| 116.625 | 0.0000 | 0.0000 | 81.920 | 0.23983 | 0.00000 | 602892.1 | 426426.2 | 0.0 | S |
| 116.633 | 0.0000 | 0.0000 | 81.920 | 0.23981 | 0.00000 | 602892.1 | 426433.4 | 0.0 | S |
| 116.642 | 0.0000 | 0.0000 | 81.919 | 0.23979 | 0.00000 | 602892.1 | 426440.6 | 0.0 | S |
| 116.650 | 0.0000 | 0.0000 | 81.919 | 0.23978 | 0.00000 | 602892.1 | 426447.8 | 0.0 | S |
| 116.658 | 0.0000 | 0.0000 | 81.919 | 0.23976 | 0.00000 | 602892.1 | 426455.0 | 0.0 | S |
| 116.667 | 0.0000 | 0.0000 | 81.919 | 0.23974 | 0.00000 | 602892.1 | 426462.2 | 0.0 | S |
| 116.675 | 0.0000 | 0.0000 | 81.919 | 0.23973 | 0.00000 | 602892.1 | 426469.4 | 0.0 | S |
| 116.683 | 0.0000 | 0.0000 | 81.919 | 0.23971 | 0.00000 | 602892.1 | 426476.6 | 0.0 | S |
| 116.692 | 0.0000 | 0.0000 | 81.919 | 0.23969 | 0.00000 | 602892.1 | 426483.8 | 0.0 | S |
| 116.700 | 0.0000 | 0.0000 | 81.919 | 0.23967 | 0.00000 | 602892.1 | 426490.9 | 0.0 | S |
| 116.708 | 0.0000 | 0.0000 | 81.918 | 0.23966 | 0.00000 | 602892.1 | 426498.1 | 0.0 | S |
| 116.717 | 0.0000 | 0.0000 | 81.918 | 0.23964 | 0.00000 | 602892.1 | 426505.3 | 0.0 | S |
| 116.725 | 0.0000 | 0.0000 | 81.918 | 0.23962 | 0.00000 | 602892.1 | 426512.5 | 0.0 | S |
| 116.733 | 0.0000 | 0.0000 | 81.918 | 0.23961 | 0.00000 | 602892.1 | 426519.7 | 0.0 | S |
| 116.742 | 0.0000 | 0.0000 | 81.918 | 0.23959 | 0.00000 | 602892.1 | 426526.9 | 0.0 | S |
| 116.750 | 0.0000 | 0.0000 | 81.918 | 0.23957 | 0.00000 | 602892.1 | 426534.1 | 0.0 | S |
| 116.758 | 0.0000 | 0.0000 | 81.918 | 0.23955 | 0.00000 | 602892.1 | 426541.3 | 0.0 | S |
| 116.767 | 0.0000 | 0.0000 | 81.918 | 0.23954 | 0.00000 | 602892.1 | 426548.4 | 0.0 | S |
| 116.775 | 0.0000 | 0.0000 | 81.917 | 0.23952 | 0.00000 | 602892.1 | 426555.6 | 0.0 | S |
| 116.783 | 0.0000 | 0.0000 | 81.917 | 0.23950 | 0.00000 | 602892.1 | 426562.8 | 0.0 | S |
| 116.792 | 0.0000 | 0.0000 | 81.917 | 0.23949 | 0.00000 | 602892.1 | 426570.0 | 0.0 | S |
| 116.800 | 0.0000 | 0.0000 | 81.917 | 0.23947 | 0.00000 | 602892.1 | 426577.2 | 0.0 | S |
| 116.808 | 0.0000 | 0.0000 | 81.917 | 0.23945 | 0.00000 | 602892.1 | 426584.4 | 0.0 | S |
| 116.817 | 0.0000 | 0.0000 | 81.917 | 0.23943 | 0.00000 | 602892.1 | 426591.6 | 0.0 | S |
| 116.825 | 0.0000 | 0.0000 | 81.917 | 0.23942 | 0.00000 | 602892.1 | 426598.8 | 0.0 | S |
| 116.833 | 0.0000 | 0.0000 | 81.916 | 0.23940 | 0.00000 | 602892.1 | 426605.9 | 0.0 | S |
| 116.842 | 0.0000 | 0.0000 | 81.916 | 0.23938 | 0.00000 | 602892.1 | 426613.1 | 0.0 | S |
| 116.850 | 0.0000 | 0.0000 | 81.916 | 0.23937 | 0.00000 | 602892.1 | 426620.3 | 0.0 | S |
| 116.858 | 0.0000 | 0.0000 | 81.916 | 0.23935 | 0.00000 | 602892.1 | 426627.5 | 0.0 | S |
| 116.867 | 0.0000 | 0.0000 | 81.916 | 0.23933 | 0.00000 | 602892.1 | 426634.7 | 0.0 | S |
| 116.875 | 0.0000 | 0.0000 | 81.916 | 0.23931 | 0.00000 | 602892.1 | 426641.8 | 0.0 | S |
| 116.883 | 0.0000 | 0.0000 | 81.916 | 0.23930 | 0.00000 | 602892.1 | 426649.0 | 0.0 | S |
| 116.892 | 0.0000 | 0.0000 | 81.916 | 0.23928 | 0.00000 | 602892.1 | 426656.2 | 0.0 | S |
| 116.900 | 0.0000 | 0.0000 | 81.915 | 0.23926 | 0.00000 | 602892.1 | 426663.3 | 0.0 | S |
| 116.908 | 0.0000 | 0.0000 | 81.915 | 0.23925 | 0.00000 | 602892.1 | 426670.5 | 0.0 | S |
| 116.917 | 0.0000 | 0.0000 | 81.915 | 0.23923 | 0.00000 | 602892.1 | 426677.7 | 0.0 | S |
| 116.925 | 0.0000 | 0.0000 | 81.915 | 0.23921 | 0.00000 | 602892.1 | 426684.9 | 0.0 | S |
| 116.933 | 0.0000 | 0.0000 | 81.915 | 0.23919 | 0.00000 | 602892.1 | 426692.1 | 0.0 | S |
| 116.942 | 0.0000 | 0.0000 | 81.915 | 0.23918 | 0.00000 | 602892.1 | 426699.3 | 0.0 | S |
| 116.950 | 0.0000 | 0.0000 | 81.915 | 0.23916 | 0.00000 | 602892.1 | 426706.4 | 0.0 | S |
| 116.958 | 0.0000 | 0.0000 | 81.915 | 0.23914 | 0.00000 | 602892.1 | 426713.6 | 0.0 | S |
| 116.967 | 0.0000 | 0.0000 | 81.914 | 0.23913 | 0.00000 | 602892.1 | 426720.8 | 0.0 | S |
| 116.975 | 0.0000 | 0.0000 | 81.914 | 0.23911 | 0.00000 | 602892.1 | 426727.9 | 0.0 | S |
| 116.983 | 0.0000 | 0.0000 | 81.914 | 0.23909 | 0.00000 | 602892.1 | 426735.1 | 0.0 | S |
| 116.992 | 0.0000 | 0.0000 | 81.914 | 0.23907 | 0.00000 | 602892.1 | 426742.3 | 0.0 | S |
| 117.000 | 0.0000 | 0.0000 | 81.914 | 0.23906 | 0.00000 | 602892.1 | 426749.5 | 0.0 | S |
| 117.008 | 0.0000 | 0.0000 | 81.914 | 0.23904 | 0.00000 | 602892.1 | 426756.6 | 0.0 | S |
| 117.017 | 0.0000 | 0.0000 | 81.914 | 0.23902 | 0.00000 | 602892.1 | 426763.8 | 0.0 | S |
| 117.025 | 0.0000 | 0.0000 | 81.914 | 0.23901 | 0.00000 | 602892.1 | 426771.0 | 0.0 | S |
| 117.033 | 0.0000 | 0.0000 | 81.913 | 0.23899 | 0.00000 | 602892.1 | 426778.1 | 0.0 | S |
| 177.042 | 0.0000 | 0.0000 | 81.913 | 0.23897 | 0.00000 | 602892.1 | 426785.3 | 0.0 | S |
| 117.050 | 0.0000 | 0.0000 | 81.913 | 0.23895 | 0.00000 | 602892.1 | 426792.5 | 0.0 | S |
| 117.058 | 0.0000 | 0.0000 | 81.913 | 0.23894 | 0.00000 | 602892.1 | 426799.7 | 0.0 | S |
| 117.067 | 0.0000 | 0.0000 | 81.913 | 0.23892 | 0.00000 | 602892.1 | 426806.8 | 0.0 | S |
| 117.075 | 0.0000 | 0.0000 | 81.913 | 0.23890 | 0.00000 | 602892.1 | 426814.0 | 0.0 | S |
| 117.083 | 0.0000 | 0.0000 | 81.913 | 0.23889 | 0.00000 | 602892.1 | 426821.2 | 0.0 | S |
| 117.092 | 0.0000 | 0.0000 | 81.913 | 0.23887 | 0.00000 | 602892.1 | 426828.3 | 0.0 | S |
| 117.100 | 0.0000 | 0.0000 | 81.912 | 0.23885 | 0.00000 | 602892.1 | 426835.5 | 0.0 | S |
| 117.108 | 0.0000 | 0.0000 | 81.912 | 0.23884 | 0.00000 | 602892.1 | 426842.7 | 0.0 | S |
| 117.117 | 0.0000 | 0.0000 | 81.912 | 0.23882 | 0.00000 | 602892.1 | 426849.8 | 0.0 | S |
| 117.125 | 0.0000 | 0.0000 | 81.912 | 0.23880 | 0.00000 | 602892.1 | 426857.0 | 0.0 | S |
| 117.133 | 0.0000 | 0.0000 | 81.912 | 0.23878 | 0.00000 | 602892.1 | 426864.1 | 0.0 | S |
| 117.142 | 0.0000 | 0.0000 | 81.912 | 0.23877 | 0.00000 | 602892.1 | 426871.3 | 0.0 | S |
| 117.150 | 0.0000 | 0.0000 | 81.912 | 0.23875 | 0.00000 | 602892.1 | 426878.5 | 0.0 | S |
| 117.158 | 0.0000 | 0.0000 | 81.912 | 0.23873 | 0.00000 | 602892.1 | 426885.6 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | inflow Rate ( f ${ }^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Overliow Discharge ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume $\left(\mathrm{ft}^{3}\right)$ | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 117.167 | 0.0000 | 0.0000 | 81.911 | 0.23872 | 0.00000 | 602892.1 | 426892.8 | 0.0 | S |
| 117.175 | 0.0000 | 0.0000 | 81.911 | 0.23870 | 0.00000 | 602892.1 | 426899.9 | 0.0 | S |
| 117.183 | 0.0000 | 0.0000 | 81.911 | 0.23868 | 0.00000 | 602892.1 | 426907.1 | 0.0 | S |
| 117.192 | 0.0000 | 0.0000 | 81.911 | 0.23866 | 0.00000 | 602892.1 | 426914.3 | 0.0 | S |
| 117.200 | 0.0000 | 0.0000 | 81.911 | 0.23865 | 0.00000 | 602892.1 | 426921.4 | 0.0 | S |
| 117.208 | 0.0000 | 0.0000 | 81.911 | 0.23863 | 0.00000 | 602892.1 | 426928.6 | 0.0 | S |
| 117.217 | 0.0000 | 0.0000 | 81.911 | 0.23861 | 0.00000 | 602892.1 | 426935.8 | 0.0 | S |
| 117.225 | 0.0000 | 0.0000 | 81.911 | 0.23860 | 0.00000 | 602892.1 | 426942.9 | 0.0 | S |
| 117.233 | 0.0000 | 0.0000 | 81.910 | 0.23858 | 0.00000 | 602892.1 | 426950.1 | 0.0 | S |
| 117.242 | 0.0000 | 0.0000 | 81.910 | 0.23856 | 0.00000 | 602892.1 | 426957.2 | 0.0 | S |
| 117.250 | 0.0000 | 0.0000 | 81.910 | 0.23855 | 0.00000 | 602892.1 | 426964.4 | 0.0 | S |
| 117.258 | 0.0000 | 0.0000 | 81.910 | 0.23853 | 0.00000 | 602892.1 | 426971.5 | 0.0 | S |
| 117.267 | 0.0000 | 0.0000 | 81.910 | 0.23851 | 0.00000 | 602892.1 | 426978.7 | 0.0 | S |
| 117.275 | 0.0000 | 0.0000 | 81.910 | 0.23849 | 0.00000 | 602892.1 | 426985.8 | 0.0 | S |
| 117.283 | 0.0000 | 0.0000 | 81.910 | 0.23848 | 0.00000 | 602892.1 | 426993.0 | 0.0 | S |
| 117.292 | 0.0000 | 0.0000 | 81.910 | 0.23846 | 0.00000 | 602892.1 | 427000.2 | 0.0 | S |
| 117.300 | 0.0000 | 0.0000 | 81.909 | 0.23844 | 0.00000 | 602892.1 | 427007.3 | 0.0 | S |
| 117.308 | 0.0000 | 0.0000 | 81.909 | 0.23843 | 0.00000 | 602892.1 | 427014.5 | 0.0 | S |
| 117.317 | 0.0000 | 0.0000 | 81.909 | 0.23841 | 0.00000 | 602892.1 | 427021.6 | 0.0 | S |
| 117.325 | 0.0000 | 0.0000 | 81.909 | 0.23839 | 0.00000 | 602892.1 | 427028.8 | 0.0 | S |
| 117.333 | 0.0000 | 0.0000 | 81.909 | 0.23838 | 0.00000 | 602892.1 | 427035.9 | 0.0 | S |
| 147.342 | 0.0000 | 0.0000 | 81.909 | 0.23836 | 0.00000 | 602892.1 | 427043.1 | 0.0 | S |
| 117.350 | 0.0000 | 0.0000 | 81.909 | 0.23834 | 0.00000 | 602892.1 | 427050.2 | 0.0 | S |
| 117.358 | 0.0000 | 0.0000 | 81.909 | 0.23832 | 0.00000 | 602892.1 | 427057.4 | 0.0 | S |
| 117.367 | 0.0000 | 0.0000 | 81.908 | 0.23831 | 0.00000 | 602892.1 | 427064.5 | 0.0 | S |
| 117.375 | 0.0000 | 0.0000 | 81.908 | 0.23829 | 0.00000 | 602892.1 | 427071.7 | 0.0 | S |
| 117.383 | 0.0000 | 0.0000 | 81.908 | 0.23827 | 0.00000 | 602892.1 | 427078.8 | 0.0 | S |
| 117.392 | 0.0000 | 0.0000 | 81.908 | 0.23826 | 0.00000 | 602892.1 | 427086.0 | 0.0 | S |
| 117.400 | 0.0000 | 0.0000 | 81.908 | 0.23824 | 0.00000 | 602892.1 | 427093.1 | 0.0 | S |
| 117.408 | 0.0000 | 0.0000 | 81.908 | 0.23822 | 0.00000 | 602892.1 | 427100.3 | 0.0 | S |
| 117.417 | 0.0000 | 0.0000 | 81.908 | 0.23821 | 0.00000 | 602892.1 | 427107.4 | 0.0 | S |
| 117.425 | 0.0000 | 0.0000 | 81.908 | 0.23819 | 0.00000 | 602892.1 | 427114.6 | 0.0 | S |
| 117.433 | 0.0000 | 0.0000 | 81.907 | 0.23817 | 0.00000 | 602892.1 | 427121.7 | 0.0 | S |
| 117.442 | 0.0000 | 0.0000 | 81.907 | 0.23815 | 0.00000 | 602892.1 | 427128.8 | 0.0 | S |
| 117.450 | 0.0000 | 0.0000 | 81.907 | 0.23814 | 0.00000 | 602892.1 | 427136.0 | 0.0 | S |
| 117.458 | 0.0000 | 0.0000 | 81.907 | 0.23812 | 0.00000 | 602892.1 | 427143.1 | 0.0 | S |
| 117.467 | 0.0000 | 0.0000 | 81.907 | 0.23810 | 0.00000 | 602892.1 | 427150.3 | 0.0 | S |
| 117.475 | 0.0000 | 0.0000 | 81.907 | 0.23809 | 0.00000 | 602892.1 | 427157.4 | 0.0 | S |
| 117.483 | 0.0000 | 0.0000 | 81.907 | 0.23807 | 0.00000 | 602892.1 | 427164.6 | 0.0 | S |
| 117.492 | 0.0000 | 0.0000 | 81.907 | 0.23805 | 0.00000 | 602892.1 | 427171.7 | 0.0 | S |
| 117.500 | 0.0000 | 0.0000 | 81.906 | 0.23804 | 0.00000 | 602892.1 | 427178.8 | 0.0 | S |
| 117.508 | 0.0000 | 0.0000 | 81.906 | 0.23802 | 0.00000 | 602892.1 | 427186.0 | 0.0 | S |
| 117.517 | 0.0000 | 0.0000 | 81.906 | 0.23800 | 0.00000 | 602892.1 | 427193.1 | 0.0 | S |
| 117.525 | 0.0000 | 0.0000 | 81.906 | 0.23798 | 0.00000 | 602892.1 | 427200.3 | 0.0 | S |
| 117.533 | 0.0000 | 0.0000 | 81.906 | 0.23797 | 0.00000 | 602892.1 | 427207.4 | 0.0 | S |
| 117.542 | 0.0000 | 0.0000 | 81.906 | 0.23795 | 0.00000 | 602892.1 | 427214.5 | 0.0 | S |
| 117.550 | 0.0000 | 0.0000 | 81.906 | 0.23793 | 0.00000 | 602892.1 | 427221.7 | 0.0 | S |
| 117.558 | 0.0000 | 0.0000 | 81.906 | 0.23792 | 0.00000 | 602892.1 | 427228.8 | 0.0 | S |
| 117.567 | 0.0000 | 0.0000 | 81.905 | 0.23790 | 0.00000 | 602892.1 | 427235.9 | 0.0 | S |
| 117.575 | 0.0000 | 0.0000 | 81.905 | 0.23788 | 0.00000 | 602892.1 | 427243.1 | 0.0 | S |
| 117.583 | 0.0000 | 0.0000 | 81.905 | 0.23787 | 0.00000 | 602892.1 | 427250.2 | 0.0 | S |
| 117.592 | 0.0000 | 0.0000 | 81.905 | 0.23785 | 0.00000 | 602892.1 | 427257.4 | 0.0 | S |
| 117.600 | 0.0000 | 0.0000 | 81.905 | 0.23783 | 0.00000 | 602892.1 | 427264.5 | 0.0 | S |
| 117.608 | 0.0000 | 0.0000 | 81.905 | 0.23782 | 0.00000 | 602892.1 | 427271.6 | 0.0 | S |
| 117.617 | 0.0000 | 0.0000 | 81.905 | 0.23780 | 0.00000 | 602892.1 | 427278.8 | 0.0 | S |
| 117.625 | 0.0000 | 0.0000 | 81.905 | 0.23778 | 0.00000 | 602892.1 | 427285.9 | 0.0 | S |
| 117.633 | 0.0000 | 0.0000 | 81.904 | 0.23776 | 0.00000 | 602892.1 | 427293.0 | 0.0 | S |
| 117.642 | 0.0000 | 0.0000 | 81.904 | 0.23775 | 0.00000 | 602892.1 | 427300.2 | 0.0 | S |
| 117.650 | 0.0000 | 0.0000 | 81.904 | 0.23773 | 0.00000 | 602892.1 | 427307.3 | 0.0 | S |
| 117.658 | 0.0000 | 0.0000 | 81.904 | 0.23771 | 0.00000 | 602892.1 | 427314.4 | 0.0 | S |
| 117.667 | 0.0000 | 0.0000 | 81.904 | 0.23770 | 0.00000 | 602892.1 | 427321.6 | 0.0 | S |
| 117.675 | 0.0000 | 0.0000 | 81.904 | 0.23768 | 0.00000 | 602892.1 | 427328.7 | 0.0 | S |
| 117.683 | 0.0000 | 0.0000 | 81.904 | 0.23766 | 0.00000 | 602892.1 | 427335.8 | 0.0 | S |
| 117.692 | 0.0000 | 0.0000 | 81.904 | 0.23765 | 0.00000 | 602892.1 | 427342.9 | 0.0 | S |
| 117.700 | 0.0000 | 0.0000 | 81.903 | 0.23763 | 0.00000 | 602892.1 | 427350.1 | 0.0 | S |
| 117.708 | 0.0000 | 0.0000 | 81.903 | 0.23761 | 0.00000 | 602892.1 | 427357.2 | 0.0 | S |
| 117.717 | 0.0000 | 0.0000 | 81.903 | 0.23760 | 0.00000 | 602892.1 | 427364.3 | 0.0 | S |
| 117.725 | 0.0000 | 0.0000 | 81.903 | 0.23758 | 0.00000 | 602892.1 | 427371.5 | 0.0 | S |
| 117.733 | 0.0000 | 0.0000 | 81.903 | 0.23756 | 0.00000 | 602892.1 | 427378.6 | 0.0 | S |
| 117.742 | 0.0000 | 0.0000 | 81.903 | 0.23755 | 0.00000 | 602892.1 | 427385.7 | 0.0 | S |
| 117.750 | 0.0000 | 0.0000 | 81.903 | 0.23753 | 0.00000 | 602892.1 | 427392.8 | 0.0 | S |
| 117.758 | 0.0000 | 0.0000 | 81.903 | 0.23751 | 0.00000 | 602892.1 | 427400.0 | 0.0 | S |
| 117.767 | 0.0000 | 0.0000 | 81.902 | 0.23749 | 0.00000 | 602892.1 | 427407.1 | 0.0 | S |
| 117.775 | 0.0000 | 0.0000 | 81.902 | 0.23748 | 0.00000 | 602892.1 | 427414.2 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario $1::$ pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / 3} \mathrm{~s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overfow Discharge ( $\mathrm{ft}^{3 /} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 117.783 | 0.0000 | 0.0000 | 81.902 | 0.23746 | 0.00000 | 602892.1 | 427421.3 | 0.0 | S |
| 117.792 | 0.0000 | 0.0000 | 81.902 | 0.23744 | 0.00000 | 602892.1 | 427428.5 | 0.0 | S |
| 117.800 | 0.0000 | 0.0000 | 81.902 | 0.23743 | 0.00000 | 602892.1 | 427435.6 | 0.0 | S |
| 117.808 | 0.0000 | 0.0000 | 81.902 | 0.23741 | 0.00000 | 602892.1 | 427442.7 | 0.0 | S |
| \$17.817 | 0.0000 | 0.0000 | 81.902 | 0.23739 | 0.00000 | 602892.1 | 427449.8 | 0.0 | S |
| 117.825 | 0.0000 | 0.0000 | 81.902 | 0.23738 | 0.00000 | 602892.1 | 427457.0 | 0.0 | S |
| 117.833 | 0.0000 | 0.0000 | 87.901 | 0.23736 | 0.00000 | 602892,1 | 427464.1 | 0.0 | S |
| 117.842 | 0.0000 | 0.0000 | 81.901 | 0.23734 | 0.00000 | 602892.1 | 427471.2 | 0.0 | S |
| 117.850 | 0.0000 | 0.0000 | 81.901 | 0.23733 | 0.00000 | 602892.1 | 427478.3 | 0.0 | S |
| 117.858 | 0.0000 | 0.0000 | 81.901 | 0.23731 | 0.00000 | 602892.1 | 427485.4 | 0.0 | S |
| 117.867 | 0.0000 | 0.0000 | 81.901 | 0.23729 | 0.00000 | 602892.1 | 427492.6 | 0.0 | S |
| 117.875 | 0.0000 | 0.0000 | 81.901 | 0.23728 | 0.00000 | 602892.1 | 427499.7 | 0.0 | S |
| 117.883 | 0.0000 | 0.0000 | 81.901 | 0.23726 | 0.00000 | 602892.1 | 427506.8 | 0.0 | S |
| 117.892 | 0.0000 | 0.0000 | 81.901 | 0.23724 | 0.00000 | 602892.1 | 427513.9 | 0.0 | S |
| 117.900 | 0.0000 | 0.0000 | 81.900 | 0.23722 | 0.00000 | 602892.1 | 427521.0 | 0.0 | S |
| 117.908 | 0.0000 | 0.0000 | 81.900 | 0.23721 | 0.00000 | 602892.1 | 427528.2 | 0.0 | S |
| 117.917 | 0.0000 | 0.0000 | 81.900 | 0.23719 | 0.00000 | 602892.1 | 427535.3 | 0.0 | S |
| 117.925 | 0.0000 | 0.0000 | 81.900 | 0.23717 | 0.00000 | 602892.1 | 427542.4 | 0.0 | S |
| 117.933 | 0.0000 | 0.0000 | 81.900 | 0.23716 | 0.00000 | 602892.1 | 427549.5 | 0.0 | S |
| 117.942 | 0.0000 | 0.0000 | 81.900 | 0.23714 | 0.00000 | 602892.1 | 427556.6 | 0.0 | S |
| 117.950 | 0.0000 | 0.0000 | 81.900 | 0.23712 | 0.00000 | 602892.1 | 427563.7 | 0.0 | S |
| 117.958 | 0.0000 | 0.0000 | 81.900 | 0.23711 | 0.00000 | 602892.1 | 427570.8 | 0.0 | S |
| 117.967 | 0.0000 | 0.0000 | 81.899 | 0.23709 | 0.00000 | 602892.1 | 427577.9 | 0.0 | S |
| 117.975 | 0.0000 | 0.0000 | 81.899 | 0.23707 | 0.00000 | 602892.1 | 427585.1 | 0.0 | S |
| 117.983 | 0.0000 | 0.0000 | 81.899 | 0.23706 | 0.00000 | 602892.1 | 427592.2 | 0.0 | S |
| 117.992 | 0.0000 | 0.0000 | 81.899 | 0.23704 | 0.00000 | 602892.1 | 427599.3 | 0.0 | S |
| 118.000 | 0.0000 | 0.0000 | 81.899 | 0.23702 | 0.00000 | 602892.1 | 427606.4 | 0.0 | S |
| 118.008 | 0.0000 | 0.0000 | 81.899 | 0.23701 | 0.00000 | 602892.1 | 427613.5 | 0.0 | S |
| 118.017 | 0.0000 | 0.0000 | 81.899 | 0.23699 | 0.00000 | 602892.1 | 427620.6 | 0.0 | S |
| 118.025 | 0.0000 | 0.0000 | 81.899 | 0.23697 | 0.00000 | 602892.1 | 427627.7 | 0.0 | S |
| 118.033 | 0.0000 | 0.0000 | 81.898 | 0.23696 | 0.00000 | 602892.1 | 427634.8 | 0.0 | S |
| 118.042 | 0.0000 | 0.0000 | 81.898 | 0.23694 | 0.00000 | 602892.1 | 427641.9 | 0.0 | S |
| 118.050 | 0.0000 | 0.0000 | 81.898 | 0.23692 | 0.00000 | 602892.1 | 427649.0 | 0.0 | S |
| 118.058 | 0.0000 | 0.0000 | 81.898 | 0.23691 | 0.00000 | 602892.1 | 427656.2 | 0.0 | S |
| 118.067 | 0.0000 | 0.0000 | 81.898 | 0.23689 | 0.00000 | 602892.1 | 427663.3 | 0.0 | S |
| 118.075 | 0.0000 | 0.0000 | 81.898 | 0.23687 | 0.00000 | 602892.1 | 427670.4 | 0.0 | S |
| 118.083 | 0.0000 | 0.0000 | 81.898 | 0.23685 | 0.00000 | 602892.1 | 427677.5 | 0.0 | S |
| 118.092 | 0.0000 | 0.0000 | 81.898 | 0.23684 | 0.00000 | 602892.1 | 427684.6 | 0.0 | S |
| 118.100 | 0.0000 | 0.0000 | 81.897 | 0.23682 | 0.00000 | 602892.1 | 427691.7 | 0.0 | S |
| 118.108 | 0.0000 | 0.0000 | 81.897 | 0.23680 | 0.00000 | 602892.1 | 427698.8 | 0.0 | S |
| 118.117 | 0.0000 | 0.0000 | 81.897 | 0.23679 | 0.00000 | 602892.1 | 427705.9 | 0.0 | S |
| 118.125 | 0.0000 | 0.0000 | 81.897 | 0.23677 | 0.00000 | 602892.1 | 427713.0 | 0.0 | S |
| 118.133 | 0.0000 | 0.0000 | 81.897 | 0.23675 | 0.00000 | 602892.1 | 427720.1 | 0.0 | S |
| 118.142 | 0.0000 | 0.0000 | 81.897 | 0.23674 | 0.00000 | 602892.1 | 427727.2 | 0.0 | S |
| 118.150 | 0.0000 | 0.0000 | 81.897 | 0.23672 | 0.00000 | 602892.1 | 427734.3 | 0.0 | S |
| 118.158 | 0.0000 | 0.0000 | 81.897 | 0.23670 | 0.00000 | 602892.1 | 427741.4 | 0.0 | S |
| \$18.167 | 0.0000 | 0.0000 | 81.896 | 0.23669 | 0.00000 | 602892.1 | 427748.5 | 0.0 | S |
| 118.175 | 0.0000 | 0.0000 | 81.896 | 0.23667 | 0.00000 | 602892.1 | 427755.6 | 0.0 | S |
| 118.183 | 0.0000 | 0.0000 | 81.896 | 0.23665 | 0.00000 | 602892.1 | 427762.7 | 0.0 | S |
| 118.192 | 0.0000 | 0.0000 | 81.896 | 0.23664 | 0.00000 | 602892.1 | 427769.8 | 0.0 | S |
| 118.200 | 0.0000 | 0.0000 | 81.896 | 0.23662 | 0.00000 | 602892.1 | 427776.9 | 0.0 | S |
| 118.208 | 0.0000 | 0.0000 | 81.896 | 0.23660 | 0.00000 | 602892.1 | 427784.0 | 0.0 | S |
| 118.217 | 0.0000 | 0.0000 | 81.896 | 0.23659 | 0.00000 | 602892.1 | 427791.1 | 0.0 | S |
| 118.225 | 0.0000 | 0.0000 | 81.896 | 0.23657 | 0.00000 | 602892.1 | 427798.2 | 0.0 | S |
| 118.233 | 0.0000 | 0.0000 | 81.895 | 0.23655 | 0.00000 | 602892.1 | 427805.3 | 0.0 | S |
| 118.242 | 0.0000 | 0.0000 | 81.895 | 0.23654 | 0.00000 | 602892.1 | 427812.4 | 0.0 | S |
| 118.250 | 0.0000 | 0.0000 | 81.895 | 0.23652 | 0.00000 | 602892.1 | 427819.5 | 0.0 | S |
| 118.258 | 0.0000 | 0.0000 | 81.895 | 0.23650 | 0.00000 | 602892.1 | 427826.6 | 0.0 | S |
| 118.267 | 0.0000 | 0.0000 | 81.895 | 0.23649 | 0.00000 | 602892.1 | 427833.7 | 0.0 | S |
| 118.275 | 0.0000 | 0.0000 | 81.895 | 0.23647 | 0.00000 | 602892.1 | 427840.8 | 0.0 | S |
| 118.283 | 0.0000 | 0.0000 | 81.895 | 0.23645 | 0.00000 | 602892.1 | 427847.9 | 0.0 | S |
| 118.292 | 0.0000 | 0.0000 | 81.895 | 0.23644 | 0.00000 | 602892.1 | 427855.0 | 0.0 | S |
| 118.300 | 0.0000 | 0.0000 | 81.894 | 0.23642 | 0.00000 | 602892.1 | 427862.1 | 0.0 | S |
| 118.308 | 0.0000 | 0.0000 | 81.894 | 0.23640 | 0.00000 | 602892.1 | 427869.1 | 0.0 | S |
| 118.317 | 0.0000 | 0.0000 | 81.894 | 0.23639 | 0.00000 | 602892.1 | 427876.2 | 0.0 | S |
| 118.325 | 0.0000 | 0.0000 | 81.894 | 0.23637 | 0.00000 | 602892.1 | 427883.3 | 0.0 | S |
| 118.333 | 0.0000 | 0.0000 | 81.894 | 0.23635 | 0.00000 | 602892.1 | 427890.4 | 0.0 | S |
| 118.342 | 0.0000 | 0.0000 | 81.894 | 0.23634 | 0.00000 | 602892.1 | 427897.5 | 0.0 | S |
| 118.350 | 0.0000 | 0.0000 | 81.894 | 0.23632 | 0.00000 | 602892.1 | 427904.6 | 0.0 | S |
| 118.358 | 0.0000 | 0.0000 | 81.894 | 0.23630 | 0.00000 | 602892.1 | 427911.7 | 0.0 | S |
| 118.367 | 0.0000 | 0.0000 | 81.893 | 0.23628 | 0.00000 | 602892.1 | 427918.8 | 0.0 | S |
| 118.375 | 0.0000 | 0.0000 | 81.893 | 0.23627 | 0.00000 | 602892.1 | 427925.9 | 0.0 | S |
| 118.383 | 0.0000 | 0.0000 | 81.893 | 0.23625 | 0.00000 | 602892.1 | 427932.9 | 0.0 | S |
| 118.392 | 0.0000 | 0.0000 | 81.893 | 0.23623 | 0.00000 | 602892.1 | 427940.0 | 0.0 | S |

PONDS Version 3.2.0207

# Retention Pond Recovery - Refined Method Copyright 2003 

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 118.400 | 0.0000 | 0.0000 | 81.893 | 0.23622 | 0.00000 | 602892.1 | 427947.1 | 0.0 | S |
| 118.408 | 0.0000 | 0.0000 | 81.893 | 0.23620 | 0.00000 | 602892.1 | 427954.2 | 0.0 | S |
| 118.417 | 0.0000 | 0.0000 | 81.893 | 0.23618 | 0.00000 | 602892.1 | 427961.3 | 0.0 | S |
| 118.425 | 0.0000 | 0.0000 | 81.893 | 0.23617 | 0.00000 | 602892.1 | 427968.4 | 0.0 | S |
| 118.433 | 0.0000 | 0.0000 | 81.892 | 0.23615 | 0.00000 | 602892.1 | 427975.5 | 0.0 | S |
| 118.442 | 0.0000 | 0.0000 | 81.892 | 0.23613 | 0.00000 | 602892.1 | 427982.6 | 0.0 | S |
| 118.450 | 0.0000 | 0.0000 | 81.892 | 0.23612 | 0.00000 | 602892.1 | 427989.6 | 0.0 | S |
| 118.458 | 0.0000 | 0.0000 | 81.892 | 0.23610 | 0.00000 | 602892.1 | 427996.7 | 0.0 | S |
| 118.467 | 0.0000 | 0.0000 | 81.892 | 0.23608 | 0.00000 | 602892.1 | 428003.8 | 0.0 | S |
| 118.475 | 0.0000 | 0.0000 | 81.892 | 0.23607 | 0.00000 | 602892.1 | 428010.9 | 0.0 | S |
| 118.483 | 0.0000 | 0.0000 | 81.892 | 0.23605 | 0.00000 | 602892.1 | 428018.0 | 0.0 | S |
| 118.492 | 0.0000 | 0.0000 | 81.892 | 0.23603 | 0.00000 | 602892.1 | 428025.0 | 0.0 | S |
| 118.500 | 0.0000 | 0.0000 | 81.891 | 0.23602 | 0.00000 | 602892.1 | 428032.1 | 0.0 | S |
| 118.508 | 0.0000 | 0.0000 | 81.891 | 0.23600 | 0.00000 | 602892.1 | 428039.2 | 0.0 | S |
| 118.517 | 0.0000 | 0.0000 | 81.891 | 0.23598 | 0.00000 | 602892.1 | 428046.3 | 0.0 | S |
| 118.525 | 0.0000 | 0.0000 | 81.891 | 0.23597 | 0.00000 | 602892.1 | 428053.4 | 0.0 | S |
| 118.533 | 0.0000 | 0.0000 | 81.891 | 0.23595 | 0.00000 | 602892.1 | 428060.4 | 0.0 | S |
| 118.542 | 0.0000 | 0.0000 | 81.891 | 0.23593 | 0.00000 | 602892.1 | 428067.5 | 0.0 | S |
| 118.550 | 0.0000 | 0.0000 | 81.891 | 0.23592 | 0.00000 | 602892.1 | 428074.6 | 0.0 | S |
| 118.558 | 0.0000 | 0.0000 | 81.891 | 0.23590 | 0.00000 | 602892.1 | 428081.7 | 0.0 | S |
| 118.567 | 0.0000 | 0.0000 | 81.890 | 0.23588 | 0.00000 | 602892.1 | 428088.8 | 0.0 | S |
| 118.575 | 0.0000 | 0.0000 | 81.890 | 0.23587 | 0.00000 | 602892.1 | 428095.8 | 0.0 | S |
| 118.583 | 0.0000 | 0.0000 | 81.890 | 0.23585 | 0.00000 | 602892.1 | 428102.9 | 0.0 | S |
| 118.592 | 0.0000 | 0.0000 | 81.890 | 0.23583 | 0.00000 | 602892.1 | 428110.0 | 0.0 | S |
| 118.600 | 0.0000 | 0.0000 | 81.890 | 0.23582 | 0.00000 | 602892.1 | 428117.1 | 0.0 | S |
| 118.608 | 0.0000 | 0.0000 | 81.890 | 0.23580 | 0.00000 | 602892.1 | 428124.1 | 0.0 | S |
| 118.617 | 0.0000 | 0.0000 | 81.890 | 0.23578 | 0.00000 | 602892.1 | 428131.2 | 0.0 | S |
| 118.625 | 0.0000 | 0.0000 | 81.890 | 0.23577 | 0.00000 | 602892.1 | 428138.3 | 0.0 | S |
| 118.633 | 0.0000 | 0.0000 | 81.889 | 0.23575 | 0.00000 | 602892.1 | 428145.3 | 0.0 | S |
| 118.642 | 0.0000 | 0.0000 | 81.889 | 0.23573 | 0.00000 | 602892.1 | 428152.4 | 0.0 | S |
| 118.650 | 0.0000 | 0.0000 | 81.889 | 0.23572 | 0.00000 | 602892.1 | 428159.5 | 0.0 | S |
| 118.658 | 0.0000 | 0.0000 | 81.889 | 0.23570 | 0.00000 | 602892.1 | 428166.6 | 0.0 | S |
| 118.667 | 0.0000 | 0.0000 | 81.889 | 0.23568 | 0.00000 | 602892.1 | 428173.6 | 0.0 | S |
| 118.675 | 0.0000 | 0.0000 | 81.889 | 0.23567 | 0.00000 | 602892.1 | 428180.7 | 0.0 | S |
| 118.683 | 0.0000 | 0.0000 | 81.889 | 0.23565 | 0.00000 | 602892.1 | 428187.8 | 0.0 | S |
| 118.692 | 0.0000 | 0.0000 | 81.889 | 0.23563 | 0.00000 | 602892.1 | 428194.8 | 0.0 | S |
| 178.700 | 0.0000 | 0.0000 | 81.888 | 0.23562 | 0.00000 | 602892.1 | 428201.9 | 0.0 | S |
| 118.708 | 0.0000 | 0.0000 | 81.888 | 0.23560 | 0.00000 | 602892.1 | 428209.0 | 0.0 | S |
| 118.717 | 0.0000 | 0.0000 | 81.888 | 0.23558 | 0.00000 | 602892.1 | 428216.1 | 0.0 | S |
| 118.725 | 0.0000 | 0.0000 | 81.888 | 0.23557 | 0.00000 | 602892.1 | 428223.1 | 0.0 | S |
| 118.733 | 0.0000 | 0.0000 | 81.888 | 0.23555 | 0.00000 | 602892.1 | 428230.2 | 0.0 | S |
| 118.742 | 0.0000 | 0.0000 | 81.888 | 0.23553 | 0.00000 | 602892.1 | 428237.3 | 0.0 | S |
| 118.750 | 0.0000 | 0.0000 | 81.888 | 0.23552 | 0.00000 | 602892.1 | 428244.3 | 0.0 | S |
| 118.758 | 0.0000 | 0.0000 | 81.888 | 0.23550 | 0.00000 | 602892.1 | 428251.4 | 0.0 | S |
| \$18.767 | 0.0000 | 0.0000 | 81.887 | 0.23549 | 0.00000 | 602892.1 | 428258.4 | 0.0 | S |
| \$18.775 | 0.0000 | 0.0000 | 81.887 | 0.23547 | 0.00000 | 602892.1 | 428265.5 | 0.0 | S |
| 118.783 | 0.0000 | 0.0000 | 81.887 | 0.23545 | 0.00000 | 602892.1 | 428272.6 | 0.0 | S |
| 118.792 | 0.0000 | 0.0000 | 81.887 | 0.23544 | 0.00000 | 602892.1 | 428279.6 | 0.0 | S |
| 118.800 | 0.0000 | 0.0000 | 81.887 | 0.23542 | 0.00000 | 602892.1 | 428286.7 | 0.0 | S |
| 118.808 | 0.0000 | 0.0000 | 81.887 | 0.23540 | 0.00000 | 602892.1 | 428293.8 | 0.0 | S |
| 118.817 | 0.0000 | 0.0000 | 81.887 | 0.23539 | 0.00000 | 602892.1 | 428300.8 | 0.0 | S |
| 118.825 | 0.0000 | 0.0000 | 81.887 | 0.23537 | 0.00000 | 602892.1 | 428307.9 | 0.0 | S |
| 118.833 | 0.0000 | 0.0000 | 81.886 | 0.23535 | 0.00000 | 602892.1 | 428314.9 | 0.0 | S |
| 118.842 | 0.0000 | 0.0000 | 81.886 | 0.23534 | 0.00000 | 602892.1 | 428322.0 | 0.0 | S |
| 118.850 | 0.0000 | 0.0000 | 81.886 | 0.23532 | 0.00000 | 602892.1 | 428329.1 | 0.0 | S |
| 118.858 | 0.0000 | 0.0000 | 81.886 | 0.23530 | 0.00000 | 602892.1 | 428336.1 | 0.0 | S |
| $\uparrow 18.867$ | 0.0000 | 0.0000 | 81.886 | 0.23529 | 0.00000 | 602892.1 | 428343.2 | 0.0 | S |
| 118.875 | 0.0000 | 0.0000 | 81.886 | 0.23527 | 0.00000 | 602892.1 | 428350.3 | 0.0 | S |
| 118.883 | 0.0000 | 0.0000 | 81.886 | 0.23525 | 0.00000 | 602892.1 | 428357.3 | 0.0 | S |
| 118.892 | 0.0000 | 0.0000 | 81.886 | 0.23524 | 0.00000 | 602892.1 | 428364.3 | 0.0 | S |
| 118.900 | 0.0000 | 0.0000 | 81.885 | 0.23522 | 0.00000 | 602892.1 | 428371.4 | 0.0 | S |
| 118.908 | 0.0000 | 0.0000 | 81.885 | 0.23520 | 0.00000 | 602892.1 | 428378.5 | 0.0 | S |
| 118.917 | 0.0000 | 0.0000 | 81.885 | 0.23519 | 0.00000 | 602892.1 | 428385.5 | 0.0 | S |
| 118.925 | 0.0000 | 0.0000 | 81.885 | 0.23517 | 0.00000 | 602892.1 | 428392.6 | 0.0 | S |
| 118.933 | 0.0000 | 0.0000 | 81.885 | 0.23515 | 0.00000 | 602892.1 | 428399.6 | 0.0 | S |
| 118.942 | 0.0000 | 0.0000 | 81.885 | 0.23514 | 0.00000 | 602892.1 | 428406.7 | 0.0 | S |
| \$18.950 | 0.0000 | 0.0000 | 81.885 | 0.23512 | 0.00000 | 602892.1 | 428413.8 | 0.0 | S |
| 118.958 | 0.0000 | 0.0000 | 81.885 | 0.23510 | 0.00000 | 602892.1 | 428420.8 | 0.0 | S |
| 118.967 | 0.0000 | 0.0000 | 81.884 | 0.23509 | 0.00000 | 602892.1 | 428427.8 | 0.0 | S |
| 118.975 | 0.0000 | 0.0000 | 81.884 | 0.23507 | 0.00000 | 602892.1 | 428434.9 | 0.0 | S |
| 118.983 | 0.0000 | 0.0000 | 81.884 | 0.23505 | 0.00000 | 602892.1 | 428442.0 | 0.0 | S |
| 118.992 | 0.0000 | 0.0000 | 81.884 | 0.23504 | 0.00000 | 602892.1 | 428449.0 | 0.0 | S |
| 119.000 | 0.0000 | 0.0000 | 81.884 | 0.23502 | 0.00000 | 602892.1 | 428456.1 | 0.0 | S |
| 119.008 | 0.0000 | 0.0000 | 81.884 | 0.23500 | 0.00000 | 602892.1 | 428463.1 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | inflow Rate (f $\mathrm{f}^{3 / \mathrm{s}}$ ) | Outside Recharge (flday) | Stage Elevation ( 1 datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overfow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | $\begin{aligned} & \text { Cumulative } \\ & \text { Inflow } \\ & \text { Volume }\left(\mathrm{ft}^{3}\right) \end{aligned}$ | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 119.017 | 0.0000 | 0.0000 | 81.884 | 0.23499 | 0.00000 | 602892.1 | 428470.2 | 0.0 | S |
| 119.025 | 0.0000 | 0.0000 | 81.884 | 0.23497 | 0.00000 | 602892.1 | 428477.2 | 0.0 | S |
| 119.033 | 0.0000 | 0.0000 | 81.883 | 0.23495 | 0.00000 | 602892.7 | 428484.3 | 0.0 | S |
| 119.042 | 0.0000 | 0.0000 | 81.883 | 0.23494 | 0.00000 | 602892.1 | 428491.3 | 0.0 | S |
| 119.050 | 0.0000 | 0.0000 | 81.883 | 0.23492 | 0.00000 | 602892.1 | 428498.3 | 0.0 | S |
| 119.058 | 0.0000 | 0.0000 | 81.883 | 0.23491 | 0.00000 | 602892.1 | 428505.4 | 0.0 | S |
| 119.067 | 0.0000 | 0.0000 | 81.883 | 0.23489 | 0.00000 | 602892.1 | 428512.4 | 0.0 | S |
| 119.075 | 0.0000 | 0.0000 | 81.883 | 0.23487 | 0.00000 | 602892.1 | 428519.5 | 0.0 | S |
| 119.083 | 0.0000 | 0.0000 | 81.883 | 0.23486 | 0.00000 | 602892.1 | 428526.5 | 0.0 | S |
| 119.092 | 0.0000 | 0.0000 | 81.883 | 0.23484 | 0.00000 | 602892.1 | 428533.6 | 0.0 | S |
| 119.100 | 0.0000 | 0.0000 | 81.882 | 0.23482 | 0.00000 | 602892.1 | 428540.6 | 0.0 | S |
| 119.108 | 0.0000 | 0.0000 | 81.882 | 0.23481 | 0.00000 | 602892.1 | 428547.7 | 0.0 | S |
| 119.117 | 0.0000 | 0.0000 | 81.882 | 0.23479 | 0.00000 | 602892.1 | 428554.7 | 0.0 | S |
| 119.125 | 0.0000 | 0.0000 | 81.882 | 0.23477 | 0.00000 | 602892.1 | 428561.8 | 0.0 | S |
| 119.133 | 0.0000 | 0.0000 | 81.882 | 0.23476 | 0.00000 | 602892.1 | 428568.8 | 0.0 | S |
| 119.142 | 0.0000 | 0.0000 | 81.882 | 0.23474 | 0.00000 | 602892.1 | 428575.8 | 0.0 | S |
| 119.150 | 0.0000 | 0.0000 | 81.882 | 0.23472 | 0.00000 | 602892.1 | 428582.9 | 0.0 | S |
| 119.158 | 0.0000 | 0.0000 | 81.882 | 0.23471 | 0.00000 | 602892.1 | 428589.9 | 0.0 | S |
| 119.167 | 0.0000 | 0.0000 | 81.881 | 0.23469 | 0.00000 | 602892.1 | 428597.0 | 0.0 | S |
| 119.175 | 0.0000 | 0.0000 | 81.881 | 0.23467 | 0.00000 | 602892.1 | 428604.0 | 0.0 | S |
| 119.183 | 0.0000 | 0.0000 | 81.881 | 0.23466 | 0.00000 | 602892.1 | 428611.1 | 0.0 | S |
| 119.192 | 0.0000 | 0.0000 | 81.881 | 0.23464 | 0.00000 | 602892.1 | 428618.1 | 0.0 | S |
| 119.200 | 0.0000 | 0.0000 | 81.881 | 0.23462 | 0.00000 | 602892.1 | 428625.1 | 0.0 | S |
| 119.208 | 0.0000 | 0.0000 | 81.881 | 0.23461 | 0.00000 | 602892.1 | 428632.2 | 0.0 | S |
| 119.217 | 0.0000 | 0.0000 | 81.881 | 0.23459 | 0.00000 | 602892.1 | 428639.2 | 0.0 | S |
| 119.225 | 0.0000 | 0.0000 | 81.881 | 0.23457 | 0.00000 | 602892.1 | 428646.3 | 0.0 | S |
| 119.233 | 0.0000 | 0.0000 | 81.880 | 0.23456 | 0.00000 | 602892.1 | 428653.3 | 0.0 | S |
| 119.242 | 0.0000 | 0.0000 | 81.880 | 0.23454 | 0.00000 | 602892.1 | 428660.3 | 0.0 | S |
| 119.250 | 0.0000 | 0.0000 | 81.880 | 0.23453 | 0.00000 | 602892.1 | 428667.3 | 0.0 | S |
| 119.258 | 0.0000 | 0.0000 | 81.880 | 0.23451 | 0.00000 | 602892.1 | 428674.4 | 0.0 | S |
| 119.267 | 0.0000 | 0.0000 | 81.880 | 0.23449 | 0.00000 | 602892.1 | 428681.4 | 0.0 | S |
| 119.275 | 0.0000 | 0.0000 | 81.880 | 0.23448 | 0.00000 | 602892.1 | 428688.5 | 0.0 | S |
| 119.283 | 0.0000 | 0.0000 | 81.880 | 0.23446 | 0.00000 | 602892.1 | 428695.5 | 0.0 | S |
| 119.292 | 0.0000 | 0.0000 | 81.880 | 0.23444 | 0.00000 | 602892.1 | 428702.5 | 0.0 | S |
| 119.300 | 0.0000 | 0.0000 | 81.879 | 0.23443 | 0.00000 | 602892.1 | 428709.6 | 0.0 | S |
| 119.308 | 0.0000 | 0.0000 | 81.879 | 0.23441 | 0.00000 | 602892.1 | 428716.6 | 0.0 | S |
| 119.317 | 0.0000 | 0.0000 | 81.879 | 0.23439 | 0.00000 | 602892.1 | 428723.6 | 0.0 | S |
| 119.325 | 0.0000 | 0.0000 | 81.879 | 0.23438 | 0.00000 | 602892.1 | 428730.7 | 0.0 | S |
| 119.333 | 0.0000 | 0.0000 | 81.879 | 0.23436 | 0.00000 | 602892.1 | 428737.7 | 0.0 | S |
| 119.342 | 0.0000 | 0.0000 | 81.879 | 0.23434 | 0.00000 | 602892.1 | 428744.7 | 0.0 | S |
| 119.350 | 0.0000 | 0.0000 | 81.879 | 0.23433 | 0.00000 | 602892.1 | 428751.8 | 0.0 | S |
| 119.358 | 0.0000 | 0.0000 | 81.879 | 0.23431 | 0.00000 | 602892.1 | 428758.8 | 0.0 | S |
| 119.367 | 0.0000 | 0.0000 | 81.878 | 0.23429 | 0.00000 | 602892.1 | 428765.8 | 0.0 | S |
| 119.375 | 0.0000 | 0.0000 | 81.878 | 0.23428 | 0.00000 | 602892.1 | 428772.8 | 0.0 | S |
| 119.383 | 0.0000 | 0.0000 | 81.878 | 0.23426 | 0.00000 | 602892.1 | 428779.9 | 0.0 | S |
| 119.392 | 0.0000 | 0.0000 | 81.878 | 0.23425 | 0.00000 | 602892.1 | 428786.9 | 0.0 | S |
| 119.400 | 0.0000 | 0.0000 | 81.878 | 0.23423 | 0.00000 | 602892.1 | 428793.9 | 0.0 | S |
| 119.408 | 0.0000 | 0.0000 | 81.878 | 0.23421 | 0.00000 | 602892.1 | 428800.9 | 0.0 | S |
| 119.417 | 0.0000 | 0.0000 | 81.878 | 0.23420 | 0.00000 | 602892.1 | 428808.0 | 0.0 | S |
| 119.425 | 0.0000 | 0.0000 | 81.878 | 0.23418 | 0.00000 | 602892.1 | 428815.0 | 0.0 | S |
| 119.433 | 0.0000 | 0.0000 | 81.877 | 0.23416 | 0.00000 | 602892.1 | 428822.0 | 0.0 | S |
| 119.442 | 0.0000 | 0.0000 | 81.877 | 0.23415 | 0.00000 | 602892.1 | 428829.0 | 0.0 | S |
| 119.450 | 0.0000 | 0.0000 | 81.877 | 0.23413 | 0.00000 | 602892.1 | 428836.1 | 0.0 | S |
| 119.458 | 0.0000 | 0.0000 | 81.877 | 0.23411 | 0.00000 | 602892.1 | 428843.1 | 0.0 | S |
| 119.467 | 0.0000 | 0.0000 | 81.877 | 0.23410 | 0.00000 | 602892.1 | 428850.1 | 0.0 | S |
| 119.475 | 0.0000 | 0.0000 | 81.877 | 0.23408 | 0.00000 | 602892.1 | 428857.1 | 0.0 | S |
| 119.483 | 0.0000 | 0.0000 | 81.877 | 0.23406 | 0.00000 | 602892.1 | 428864.2 | 0.0 | S |
| 119.492 | 0.0000 | 0.0000 | 81.877 | 0.23405 | 0.00000 | 602892.1 | 428871.2 | 0.0 | S |
| 119.500 | 0.0000 | 0.0000 | 81.876 | 0.23403 | 0.00000 | 602892.1 | 428878.2 | 0.0 | S |
| 119.508 | 0.0000 | 0.0000 | 81.876 | 0.23402 | 0.00000 | 602892.1 | 428885.2 | 0.0 | S |
| 119.517 | 0.0000 | 0.0000 | 81.876 | 0.23400 | 0.00000 | 602892.1 | 428892.3 | 0.0 | S |
| 119.525 | 0.0000 | 0.0000 | 81.876 | 0.23398 | 0.00000 | 602892.1 | 428899.3 | 0.0 | S |
| 119.533 | 0.0000 | 0.0000 | 81.876 | 0.23397 | 0.00000 | 602892.1 | 428906.3 | 0.0 | S |
| 119.542 | 0.0000 | 0.0000 | 81.876 | 0.23395 | 0.00000 | 602892.1 | 428913.3 | 0.0 | S |
| 119.550 | 0.0000 | 0.0000 | 81.876 | 0.23393 | 0.00000 | 602892.1 | 428920.3 | 0.0 | S |
| 119.558 | 0.0000 | 0.0000 | 81.876 | 0.23392 | 0.00000 | 602892.1 | 428927.3 | 0.0 | S |
| 119.567 | 0.0000 | 0.0000 | 81.875 | 0.23390 | 0.00000 | 602892.1 | 428934.3 | 0.0 | S |
| 119.575 | 0.0000 | 0.0000 | 81.875 | 0.23388 | 0.00000 | 602892.1 | 428941.4 | 0.0 | S |
| 119.583 | 0.0000 | 0.0000 | 81.875 | 0.23387 | 0.00000 | 602892.1 | 428948.4 | 0.0 | S |
| 119.592 | 0.0000 | 0.0000 | 81.875 | 0.23385 | 0.00000 | 602892.1 | 428955.4 | 0.0 | S |
| 119.600 | 0.0000 | 0.0000 | 81.875 | 0.23384 | 0.00000 | 602892.1 | 428962.4 | 0.0 | S |
| 119.608 | 0.0000 | 0.0000 | 81.875 | 0.23382 | 0.00000 | 602892.1 | 428969.4 | 0.0 | S |
| 119.617 | 0.0000 | 0.0000 | 81.875 | 0.23380 | 0.00000 | 602892.1 | 428976.4 | 0.0 | S |
| 119.625 | 0.0000 | 0.0000 | 81.875 | 0.23379 | 0.00000 | 602892.1 | 428983.5 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{fl}^{3 / 3} \mathrm{~s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infilltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 119.633 | 0.0000 | 0.0000 | 81.874 | 0.23377 | 0.00000 | 602892.1 | 428990.5 | 0.0 | S |
| 119.642 | 0.0000 | 0.0000 | 81.874 | 0.23375 | 0.00000 | 602892.1 | 428997.5 | 0.0 | S |
| 119.650 | 0.0000 | 0.0000 | 81.874 | 0.23374 | 0.00000 | 602892.1 | 429004.5 | 0.0 | S |
| 119.658 | 0.0000 | 0.0000 | 81.874 | 0.23372 | 0.00000 | 602892.1 | 429011.5 | 0.0 | S |
| 119.667 | 0.0000 | 0.0000 | 81.874 | 0.23370 | 0.00000 | 602892.1 | 429018.5 | 0.0 | S |
| 119.675 | 0.0000 | 0.0000 | 81.874 | 0.23369 | 0.00000 | 602892.1 | 429025.5 | 0.0 | S |
| 119.683 | 0.0000 | 0.0000 | 81.874 | 0.23367 | 0.00000 | 602892.1 | 429032.5 | 0.0 | S |
| 119.692 | 0.0000 | 0.0000 | 81.874 | 0.23365 | 0.00000 | 602892.1 | 429039.6 | 0.0 | S |
| 119.700 | 0.0000 | 0.0000 | 81.873 | 0.23364 | 0.00000 | 602892.1 | 429046.6 | 0.0 | S |
| 119.708 | 0.0000 | 0.0000 | 81.873 | 0.23362 | 0.00000 | 602892.1 | 429053.6 | 0.0 | S |
| 119.717 | 0.0000 | 0.0000 | 81.873 | 0.23361 | 0.00000 | 602892.1 | 429060.6 | 0.0 | S |
| 119.725 | 0.0000 | 0.0000 | 81.873 | 0.23359 | 0.00000 | 602892.1 | 429067.6 | 0.0 | S |
| 119.733 | 0.0000 | 0.0000 | 81.873 | 0.23357 | 0.00000 | 602892.1 | 429074.6 | 0.0 | S |
| 119.742 | 0.0000 | 0.0000 | 81.873 | 0.23356 | 0.00000 | 602892.1 | 429081.6 | 0.0 | S |
| 119.750 | 0.0000 | 0.0000 | 81.873 | 0.23354 | 0.00000 | 602892.1 | 429088.6 | 0.0 | S |
| 119.758 | 0.0000 | 0.0000 | 81.873 | 0.23352 | 0.00000 | 602892.1 | 429095.6 | 0.0 | S |
| 119.767 | 0.0000 | 0.0000 | 81.873 | 0.23351 | 0.00000 | 602892.1 | 429102.6 | 0.0 | S |
| 119.775 | 0.0000 | 0.0000 | 81.872 | 0.23349 | 0.00000 | 602892.1 | 429109.6 | 0.0 | S |
| 119.783 | 0.0000 | 0.0000 | 81.872 | 0.23348 | 0.00000 | 602892.1 | 429116.6 | 0.0 | S |
| 119.792 | 0.0000 | 0.0000 | 81.872 | 0.23346 | 0.00000 | 602892.1 | 429123.6 | 0.0 | S |
| 119.800 | 0.0000 | 0.0000 | 81.872 | 0.23344 | 0.00000 | 602892.1 | 429130.7 | 0.0 | S |
| 119.808 | 0.0000 | 0.0000 | 81.872 | 0.23343 | 0.00000 | 602892.1 | 429137.7 | 0.0 | S |
| 119.817 | 0.0000 | 0.0000 | 81,872 | 0.23341 | 0.00000 | 602892.1 | 429144.7 | 0.0 | S |
| 119.825 | 0.0000 | 0.0000 | 81.872 | 0.23339 | 0.00000 | 602892.1 | 429151.7 | 0.0 | S |
| 119.833 | 0.0000 | 0.0000 | 81.872 | 0.23338 | 0.00000 | 602892.1 | 429158.7 | 0.0 | S |
| 119.842 | 0.0000 | 0.0000 | 81.871 | 0.23336 | 0.00000 | 602892.1 | 429165.7 | 0.0 | S |
| 119.850 | 0.0000 | 0.0000 | 81.871 | 0.23334 | 0.00000 | 602892.1 | 429172.7 | 0.0 | S |
| 119.858 | 0.0000 | 0.0000 | 81.871 | 0.23333 | 0.00000 | 602892.1 | 429179.7 | 0.0 | S |
| 119.867 | 0.0000 | 0.0000 | 81.871 | 0.23331 | 0.00000 | 602892.1 | 429186.7 | 0.0 | S |
| 119.875 | 0.0000 | 0.0000 | 81.871 | 0.23330 | 0.00000 | 602892.1 | 429193.7 | 0.0 | S |
| 119.883 | 0.0000 | 0.0000 | 81.871 | 0.23328 | 0.00000 | 602892.1 | 429200.7 | 0.0 | S |
| 119.892 | 0.0000 | 0.0000 | 81.871 | 0.23326 | 0.00000 | 602892.1 | 429207.7 | 0.0 | S |
| 119.900 | 0.0000 | 0.0000 | 81.871 | 0.23325 | 0.00000 | 602892.1 | 429214.7 | 0.0 | S |
| 119.908 | 0.0000 | 0.0000 | 81.870 | 0.23323 | 0.00000 | 602892.1 | 429221.7 | 0.0 | S |
| 119.917 | 0.0000 | 0.0000 | 81.870 | 0.23321 | 0.00000 | 602892.1 | 429228.6 | 0.0 | S |
| 119.925 | 0.0000 | 0.0000 | 81.870 | 0.23320 | 0.00000 | 602892.1 | 429235.6 | 0.0 | S |
| 119.933 | 0.0000 | 0.0000 | 81.870 | 0.23318 | 0.00000 | 602892.1 | 429242.6 | 0.0 | S |
| 119.942 | 0.0000 | 0.0000 | 81.870 | 0.23316 | 0.00000 | 602892.1 | 429249.6 | 0.0 | S |
| 119.950 | 0.0000 | 0.0000 | 81.870 | 0.23315 | 0.00000 | 602892.1 | 429256.6 | 0.0 | S |
| 119.958 | 0.0000 | 0.0000 | 81.870 | 0.23313 | 0.00000 | 602892.1 | 429263.6 | 0.0 | S |
| 119.967 | 0.0000 | 0.0000 | 81.870 | 0.23312 | 0.00000 | 602892.1 | 429270.6 | 0.0 | S |
| 119.975 | 0.0000 | 0.0000 | 81.869 | 0.23310 | 0.00000 | 602892.1 | 429277.6 | 0.0 | S |
| 119.983 | 0.0000 | 0.0000 | 81.869 | 0.23308 | 0.00000 | 602892.1 | 429284.6 | 0.0 | S |
| 119.992 | 0.0000 | 0.0000 | 81.869 | 0.23307 | 0.00000 | 602892.1 | 429291.6 | 0.0 | S |
| 120.000 | 0.0000 | 0.0000 | 81.869 | 0.23305 | 0.00000 | 602892.1 | 429298.6 | 0.0 | S |
| 120.008 | 0.0000 | 0.0000 | 81.869 | 0.23303 | 0.00000 | 602892.1 | 429305.6 | 0.0 | S |
| 120.017 | 0.0000 | 0.0000 | 81.869 | 0.23302 | 0.00000 | 602892.1 | 429312.6 | 0.0 | S |
| 120.025 | 0.0000 | 0.0000 | 81.869 | 0.23300 | 0.00000 | 602892.1 | 429319.6 | 0.0 | S |
| 120.033 | 0.0000 | 0.0000 | 81.869 | 0.23299 | 0.00000 | 602892.1 | 429326.5 | 0.0 | S |
| 120.042 | 0.0000 | 0.0000 | 81.868 | 0.23297 | 0.00000 | 602892.1 | 429333.5 | 0.0 | S |
| 120.050 | 0.0000 | 0.0000 | 81.868 | 0.23295 | 0.00000 | 602892.1 | 429340.5 | 0.0 | S |
| 120.058 | 0.0000 | 0.0000 | 81.868 | 0.23294 | 0.00000 | 602892.1 | 429347.5 | 0.0 | S |
| 120.067 | 0.0000 | 0.0000 | 81.868 | 0.23292 | 0.00000 | 602892.1 | 429354.5 | 0.0 | S |
| 120.075 | 0.0000 | 0.0000 | 81.868 | 0.23290 | 0.00000 | 602892.1 | 429361.5 | 0.0 | S |
| 120.083 | 0.0000 | 0.0000 | 81.868 | 0.23289 | 0.00000 | 602892.1 | 429368.5 | 0.0 | S |
| 120.092 | 0.0000 | 0.0000 | 81.868 | 0.23287 | 0.00000 | 602892.1 | 429375.5 | 0.0 | S |
| 120.100 | 0.0000 | 0.0000 | 81.868 | 0.23286 | 0.00000 | 602892.1 | 429382.4 | 0.0 | S |
| 120.108 | 0.0000 | 0.0000 | 81.867 | 0.23284 | 0.00000 | 602892.1 | 429389.4 | 0.0 | S |
| 120.117 | 0.0000 | 0.0000 | 81.867 | 0.23282 | 0.00000 | 602892.1 | 429396.4 | 0.0 | S |
| 120.125 | 0.0000 | 0.0000 | 81.867 | 0.23281 | 0.00000 | 602892.1 | 429403.4 | 0.0 | S |
| 120.133 | 0.0000 | 0.0000 | 81.867 | 0.23279 | 0.00000 | 602892.1 | 429410.4 | 0.0 | S |
| 120.142 | 0.0000 | 0.0000 | 81.867 | 0.23277 | 0.00000 | 602892.1 | 429417.4 | 0.0 | S |
| 120.150 | 0.0000 | 0.0000 | 81.867 | 0.23276 | 0.00000 | 602892.1 | 429424.3 | 0.0 | S |
| 120.158 | 0.0000 | 0.0000 | 81.867 | 0.23274 | 0.00000 | 602892.1 | 429431.3 | 0.0 | S |
| 120.167 | 0.0000 | 0.0000 | 81.867 | 0.23273 | 0.00000 | 602892.1 | 429438.3 | 0.0 | S |
| 120.175 | 0.0000 | 0.0000 | 81.866 | 0.23271 | 0.00000 | 602892.1 | 429445.3 | 0.0 | S |
| 120.183 | 0.0000 | 0.0000 | 81.866 | 0.23269 | 0.00000 | 602892.1 | 429452.3 | 0.0 | S |
| 120.192 | 0.0000 | 0.0000 | 81.866 | 0.23268 | 0.00000 | 602892.1 | 429459.3 | 0.0 | S |
| 120.200 | 0.0000 | 0.0000 | 81.866 | 0.23266 | 0.00000 | 602892.7 | 429466.2 | 0.0 | S |
| 120.208 | 0.0000 | 0.0000 | 81.866 | 0.23264 | 0.00000 | 602892.1 | 429473.2 | 0.0 | S |
| 120.217 | 0.0000 | 0.0000 | 81.866 | 0.23263 | 0.00000 | 602892.1 | 429480.2 | 0.0 | S |
| 120.225 | 0.0000 | 0.0000 | 81.866 | 0.23261 | 0.00000 | 602892.1 | 429487.2 | 0.0 | S |
| 120.233 | 0.0000 | 0.0000 | 81.866 | 0.23260 | 0.00000 | 602892.1 | 429494.2 | 0.0 | S |
| 120.242 | 0.0000 | 0.0000 | 81.865 | 0.23258 | 0.00000 | 602892.1 | 429501.1 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year/ 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | inflow Rate (ft ${ }^{3} / \mathrm{s}$ ) | Outside Recharge (fiday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{H}^{3 / \mathrm{s}}$ ) | Cumulative Infow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Votume ( fi $^{3}$ ) | Cumulative <br> Discharge <br> Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 120.250 | 0.0000 | 0.0000 | 81.865 | 0.23256 | 0.00000 | 602892.1 | 429508.1 | 0.0 | S |
| 120.258 | 0.0000 | 0.0000 | 81.865 | 0.23255 | 0.00000 | 602892.1 | 429515.1 | 0.0 | S |
| 120.267 | 0.0000 | 0.0000 | 81.865 | 0.23253 | 0.00000 | 602892.1 | 429522.1 | 0.0 | S |
| 120.275 | 0.0000 | 0.0000 | 81.865 | 0.23251 | 0.00000 | 602892.1 | 429529.0 | 0.0 | S |
| 120.283 | 0.0000 | 0.0000 | 81.865 | 0.23250 | 0.00000 | 602892.1 | 429536.0 | 0.0 | S |
| 120.292 | 0.0000 | 0.0000 | 81.865 | 0.23248 | 0.00000 | 602892.1 | 429543.0 | 0.0 | S |
| 120.300 | 0.0000 | 0.0000 | 81.865 | 0.23247 | 0.00000 | 602892.1 | 429550.0 | 0.0 | S |
| \$20.308 | 0.0000 | 0.0000 | 81.864 | 0.23245 | 0.00000 | 602892.1 | 429556.9 | 0.0 | S |
| 120.317 | 0.0000 | 0.0000 | 81.864 | 0.23243 | 0.00000 | 602892.1 | 429563.9 | 0.0 | S |
| 120.325 | 0.0000 | 0.0000 | 81.864 | 0.23242 | 0.00000 | 602892.1 | 429570.9 | 0.0 | S |
| 120.333 | 0.0000 | 0.0000 | 81.864 | 0.23240 | 0.00000 | 602892.1 | 429577.8 | 0.0 | S |
| 120.342 | 0.0000 | 0.0000 | 81.864 | 0.23238 | 0.00000 | 602892.1 | 429584.8 | 0.0 | S |
| 120.350 | 0.0000 | 0.0000 | 81.864 | 0.23237 | 0.00000 | 602892.1 | 429591.8 | 0.0 | S |
| 120.358 | 0.0000 | 0.0000 | 81.864 | 0.23235 | 0.00000 | 602892.1 | 429598.8 | 0.0 | S |
| 120.367 | 0.0000 | 0.0000 | 81.864 | 0.23234 | 0.00000 | 602892.1 | 429605.7 | 0.0 | S |
| 120.375 | 0.0000 | 0.0000 | 81.863 | 0.23232 | 0.00000 | 602892.1 | 429612.7 | 0.0 | S |
| 120.383 | 0.0000 | 0.0000 | 81.863 | 0.23230 | 0.00000 | 602892.1 | 429619.7 | 0.0 | S |
| 120.392 | 0.0000 | 0.0000 | 81.863 | 0.23229 | 0.00000 | 602892.1 | 429626.7 | 0.0 | S |
| 120.400 | 0.0000 | 0.0000 | 81.863 | 0.23227 | 0.00000 | 602892.1 | 429633.6 | 0.0 | S |
| 120.408 | 0.0000 | 0.0000 | 81.863 | 0.23226 | 0.00000 | 602892.1 | 429640.6 | 0.0 | S |
| 120.417 | 0.0000 | 0.0000 | 81.863 | 0.23224 | 0.00000 | 602892.1 | 429647.5 | 0.0 | S |
| 120.425 | 0.0000 | 0.0000 | 81.863 | 0.23222 | 0.00000 | 602892.1 | 429654.5 | 0.0 | S |
| 120.433 | 0.0000 | 0.0000 | 81.863 | 0.23221 | 0.00000 | 602892.1 | 429661.5 | 0.0 | S |
| 120.442 | 0.0000 | 0.0000 | 81.863 | 0.23219 | 0.00000 | 602892.1 | 429668.4 | 0.0 | S |
| 120.450 | 0.0000 | 0.0000 | 81.862 | 0.23217 | 0.00000 | 602892.1 | 429675.4 | 0.0 | S |
| 120.458 | 0.0000 | 0.0000 | 81.862 | 0.23216 | 0.00000 | 602892.1 | 429682.4 | 0.0 | S |
| 120.467 | 0.0000 | 0.0000 | 81.862 | 0.23214 | 0.00000 | 602892.1 | 429689.3 | 0.0 | S |
| 120.475 | 0.0000 | 0.0000 | 81.862 | 0.23213 | 0.00000 | 602892.1 | 429696.3 | 0.0 | S |
| 120.483 | 0.0000 | 0.0000 | 81.862 | 0.23211 | 0.00000 | 602892.1 | 429703.3 | 0.0 | S |
| 120.492 | 0.0000 | 0.0000 | 81.862 | 0.23209 | 0.00000 | 602892.1 | 429710.2 | 0.0 | S |
| 120.500 | 0.0000 | 0.0000 | 81.862 | 0.23208 | 0.00000 | 602892.1 | 429717.2 | 0.0 | S |
| 120.508 | 0.0000 | 0.0000 | 81.862 | 0.23206 | 0.00000 | 602892.1 | 429724.2 | 0.0 | S |
| 120.517 | 0.0000 | 0.0000 | 81.861 | 0.23205 | 0.00000 | 602892.1 | 429731.1 | 0.0 | S |
| 120.525 | 0.0000 | 0.0000 | 81.861 | 0.23203 | 0.00000 | 602892.1 | 429738.1 | 0.0 | S |
| 120.533 | 0.0000 | 0.0000 | 81.861 | 0.23201 | 0.00000 | 602892.1 | 429745.0 | 0.0 | S |
| 120.542 | 0.0000 | 0.0000 | 81.861 | 0.23200 | 0.00000 | 602892.1 | 429752.0 | 0.0 | S |
| 120.550 | 0.0000 | 0.0000 | 81.861 | 0.23198 | 0.00000 | 602892.1 | 429759.0 | 0.0 | S |
| 120.558 | 0.0000 | 0.0000 | 81.861 | 0.23196 | 0.00000 | 602892.4 | 429765.9 | 0.0 | S |
| 120.567 | 0.0000 | 0.0000 | 81.861 | 0.23195 | 0.00000 | 602892.1 | 429772.9 | 0.0 | S |
| 120.575 | 0.0000 | 0.0000 | 81.861 | 0.23193 | 0.00000 | 602892.1 | 429779.8 | 0.0 | S |
| 120.583 | 0.0000 | 0.0000 | 81.860 | 0.23192 | 0.00000 | 602892.1 | 429786.8 | 0.0 | S |
| 120.592 | 0.0000 | 0.0000 | 81.860 | 0.23190 | 0.00000 | 602892.1 | 429793.8 | 0.0 | S |
| 120.600 | 0.0000 | 0.0000 | 81.860 | 0.23188 | 0.00000 | 602892.1 | 429800.7 | 0.0 | S |
| 120.608 | 0.0000 | 0.0000 | 81.860 | 0.23187 | 0.00000 | 602892.1 | 429807.7 | 0.0 | S |
| 120.617 | 0.0000 | 0.0000 | 81.860 | 0.23185 | 0.00000 | 602892.1 | 429814.6 | 0.0 | S |
| 120.625 | 0.0000 | 0.0000 | 81.860 | 0.23184 | 0.00000 | 602892.1 | 429821.6 | 0.0 | S |
| 120.633 | 0.0000 | 0.0000 | 81.860 | 0.23182 | 0.00000 | 602892.1 | 429828.5 | 0.0 | S |
| 120.642 | 0.0000 | 0.0000 | 81.860 | 0.23180 | 0.00000 | 602892.1 | 429835.5 | 0.0 | S |
| 120.650 | 0.0000 | 0.0000 | 81.859 | 0.23179 | 0.00000 | 602892.1 | 429842.4 | 0.0 | S |
| 120.658 | 0.0000 | 0.0000 | 81.859 | 0.23177 | 0.00000 | 602892.1 | 429849.4 | 0.0 | S |
| 120.667 | 0.0000 | 0.0000 | 81.859 | 0.23175 | 0.00000 | 602892.1 | 429856.3 | 0.0 | S |
| 120.675 | 0.0000 | 0.0000 | 81.859 | 0.23174 | 0.00000 | 602892.1 | 429863.3 | 0.0 | S |
| 120.683 | 0.0000 | 0.0000 | 81.859 | 0.23172 | 0.00000 | 602892.1 | 429870.3 | 0.0 | S |
| 120.692 | 0.0000 | 0.0000 | 81.859 | 0.23171 | 0.00000 | 602892.1 | 429877.2 | 0.0 | S |
| 120.700 | 0.0000 | 0.0000 | 81.859 | 0.23169 | 0.00000 | 602892.1 | 429884.2 | 0.0 | S |
| 120.708 | 0.0000 | 0.0000 | 81.859 | 0.23167 | 0.00000 | 602892.1 | 429891.1 | 0.0 | S |
| 120.717 | 0.0000 | 0.0000 | 81.858 | 0.23166 | 0.00000 | 602892.1 | 429898.1 | 0.0 | S |
| 120.725 | 0.0000 | 0.0000 | 81.858 | 0.23164 | 0.00000 | 602892.1 | 429905.0 | 0.0 | S |
| 120.733 | 0.0000 | 0.0000 | 81.858 | 0.23163 | 0.00000 | 602892.1 | 429911.9 | 0.0 | S |
| 120.742 | 0.0000 | 0.0000 | 81.858 | 0.23161 | 0.00000 | 602892.1 | 429918.9 | 0.0 | S |
| 120.750 | 0.0000 | 0.0000 | 81.858 | 0.23159 | 0.00000 | 602892.1 | 429925.8 | 0.0 | S |
| 120.758 | 0.0000 | 0.0000 | 81.858 | 0.23158 | 0.00000 | 602892.1 | 429932.8 | 0.0 | S |
| 120.767 | 0.0000 | 0.0000 | 81.858 | 0.23156 | 0.00000 | 602892.1 | 429939.8 | 0.0 | S |
| 120.775 | 0.0000 | 0.0000 | 81.858 | 0.23155 | 0.00000 | 602892.1 | 429946.7 | 0.0 | S |
| 120.783 | 0.0000 | 0.0000 | 81.857 | 0.23153 | 0.00000 | 602892.1 | 429953.6 | 0.0 | S |
| 120.792 | 0.0000 | 0.0000 | 81.857 | 0.23151 | 0.00000 | 602892.1 | 429960.6 | 0.0 | S |
| 120.800 | 0.0000 | 0.0000 | 81.857 | 0.23150 | 0.00000 | 602892.1 | 429967.5 | 0.0 | S |
| 120.808 | 0.0000 | 0.0000 | 81.857 | 0.23148 | 0.00000 | 602892.1 | 429974.5 | 0.0 | S |
| 120.817 | 0.0000 | 0.0000 | 81.857 | 0.23146 | 0.00000 | 602892.1 | 429981.4 | 0.0 | S |
| 120.825 | 0.0000 | 0.0000 | 81.857 | 0.23145 | 0.00000 | 602892.1 | 429988.3 | 0.0 | S |
| 120.833 | 0.0000 | 0.0000 | 81.857 | 0.23143 | 0.00000 | 602892.1 | 429995.3 | 0.0 | S |
| 120.842 | 0.0000 | 0.0000 | 81.857 | 0.23142 | 0.00000 | 602892.1 | 430002.3 | 0.0 | S |
| 120.850 | 0.0000 | 0.0000 | 81.856 | 0.23140 | 0.00000 | 602892.1 | 430009.2 | 0.0 | S |
| 120.858 | 0.0000 | 0.0000 | 81.856 | 0.23138 | 0.00000 | 602892.1 | 430016.1 | 0.0 | S |

PONDS Version 3.2.0207

# Retention Pond Recovery - Refined Method <br> Copyright 2003 

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Infiow Rate (ft ${ }^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}{ }^{3} / \mathrm{s}$ ) | Overflow Discharge (f13/s) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{t}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 120.867 | 0.0000 | 0.0000 | 81.856 | 0.23137 | 0.00000 | 602892.1 | 430023.1 | 0.0 | S |
| 120.875 | 0.0000 | 0.0000 | 81.856 | 0.23135 | 0.00000 | 602892.1 | 430030.0 | 0.0 | S |
| 120.883 | 0.0000 | 0.0000 | 81.856 | 0.23134 | 0.00000 | 602892.1 | 430036.9 | 0.0 | S |
| 120.892 | 0.0000 | 0.0000 | 81.856 | 0.23132 | 0.00000 | 602892.1 | 430043.9 | 0.0 | S |
| 120.900 | 0.0000 | 0.0000 | 81.856 | 0.23130 | 0.00000 | 602892.1 | 430050.8 | 0.0 | S |
| 120.908 | 0.0000 | 0.0000 | 81.856 | 0.23129 | 0.00000 | 602892.1 | 430057.8 | 0.0 | S |
| 120.917 | 0.0000 | 0.0000 | 81.855 | 0.23127 | 0.00000 | 602882.1 | 430064.7 | 0.0 | S |
| 120.925 | 0.0000 | 0.0000 | 81.855 | 0.23126 | 0.00000 | 602892.7 | 430071.7 | 0.0 | S |
| 120.933 | 0.0000 | 0.0000 | 81.855 | 0.23124 | 0.00000 | 602892.1 | 430078.6 | 0.0 | S |
| 120.942 | 0.0000 | 0.0000 | 81.855 | 0.23122 | 0.00000 | 602892.1 | 430085.5 | 0.0 | S |
| 120.950 | 0.0000 | 0.0000 | 81.855 | 0.23121 | 0.00000 | 602892.1 | 430092.4 | 0.0 | S |
| 120.958 | 0.0000 | 0.0000 | 81.855 | 0.23119 | 0.00000 | 602892.1 | 430099.4 | 0.0 | S |
| 120.967 | 0.0000 | 0.0000 | 81.855 | 0.23118 | 0.00000 | 602892.1 | 430106.3 | 0.0 | S |
| 120.975 | 0.0000 | 0.0000 | 81.855 | 0.23116 | 0.00000 | 602892.1 | 430113.3 | 0.0 | S |
| 120.983 | 0.0000 | 0.0000 | 81.855 | 0.23114 | 0.00000 | 602892.1 | 430120.2 | 0.0 | S |
| 120.992 | 0.0000 | 0.0000 | 81.854 | 0.23113 | 0.00000 | 602892.1 | 430127.1 | 0.0 | S |
| 121.000 | 0.0000 | 0.0000 | 81.854 | 0.23111 | 0.00000 | 602892.1 | 430134.1 | 0.0 | S |
| 121.008 | 0.0000 | 0.0000 | 81.854 | 0.23110 | 0.00000 | 602892.1 | 430141.0 | 0.0 | S |
| 121.017 | 0.0000 | 0.0000 | 81.854 | 0.23108 | 0.00000 | 602892.1 | 430147.9 | 0.0 | S |
| 121.025 | 0.0000 | 0.0000 | 81.854 | 0.23106 | 0.00000 | 602892.1 | 430154.9 | 0.0 | S |
| 121.033 | 0.0000 | 0.0000 | 81.854 | 0.23105 | 0.00000 | 602892.1 | 430161.8 | 0.0 | S |
| 121.042 | 0.0000 | 0.0000 | 81.854 | 0.23103 | 0.00000 | 602892.1 | 430168.7 | 0.0 | S |
| 121.050 | 0.0000 | 0.0000 | 81.854 | 0.23102 | 0.00000 | 602892.1 | 430175.7 | 0.0 | S |
| 121.058 | 0.0000 | 0.0000 | 81.853 | 0.23100 | 0.00000 | 602892.4 | 430182.6 | 0.0 | S |
| 121.067 | 0.0000 | 0.0000 | 81.853 | 0.23098 | 0.00000 | 602892.1 | 430189.5 | 0.0 | S |
| 121.075 | 0.0000 | 0.0000 | 81.853 | 0.23097 | 0.00000 | 602892.1 | 430196.4 | 0.0 | S |
| 121.083 | 0.0000 | 0.0000 | 81.853 | 0.23095 | 0.00000 | 602892.1 | 430203.4 | 0.0 | S |
| 121.092 | 0.0000 | 0.0000 | 81.853 | 0.23094 | 0.00000 | 602892.1 | 430210.3 | 0.0 | S |
| 121.100 | 0.0000 | 0.0000 | 81.853 | 0.23092 | 0.00000 | 602892.1 | 430217.2 | 0.0 | S |
| 121.108 | 0.0000 | 0.0000 | 81.853 | 0.23090 | 0.00000 | 602892.1 | 430224.2 | 0.0 | S |
| 121.117 | 0.0000 | 0.0000 | 81.853 | 0.23089 | 0.00000 | 602892.1 | 430231.1 | 0.0 | S |
| 121.125 | 0.0000 | 0.0000 | 81.852 | 0.23087 | 0.00000 | 602892.1 | 430238.0 | 0.0 | S |
| 121.133 | 0.0000 | 0.0000 | 81.852 | 0.23086 | 0.00000 | 602892.1 | 430244.9 | 0.0 | S |
| 121.142 | 0.0000 | 0.0000 | 81.852 | 0.23084 | 0.00000 | 602892.1 | 430251.8 | 0.0 | S |
| 121.150 | 0.0000 | 0.0000 | 81.852 | 0.23082 | 0.00000 | 602892.1 | 430258.8 | 0.0 | S |
| 121.158 | 0.0000 | 0.0000 | 81.852 | 0.23081 | 0.00000 | 602892.1 | 430265.7 | 0.0 | S |
| 121.167 | 0.0000 | 0.0000 | 81.852 | 0.23079 | 0.00000 | 602892.1 | 430272.6 | 0.0 | S |
| 121.175 | 0.0000 | 0.0000 | 81.852 | 0.23078 | 0.00000 | 602892.1 | 430279.6 | 0.0 | S |
| 121.183 | 0.0000 | 0.0000 | 81.852 | 0.23076 | 0.00000 | 602892.1 | 430286.5 | 0.0 | S |
| 121.192 | 0.0000 | 0.0000 | 81.851 | 0.23074 | 0.00000 | 602892.1 | 430293.4 | 0.0 | S |
| 121.200 | 0.0000 | 0.0000 | 81.851 | 0.23073 | 0.00000 | 602892.1 | 430300.3 | 0.0 | S |
| 121.208 | 0.0000 | 0.0000 | 81.851 | 0.23071 | 0.00000 | 602892.1 | 430307.3 | 0.0 | S |
| 121.217 | 0.0000 | 0.0000 | 81.851 | 0.23070 | 0.00000 | 602892.1 | 430314.2 | 0.0 | S |
| 121.225 | 0.0000 | 0.0000 | 81.851 | 0.23068 | 0.00000 | 602892.1 | 430321.1 | 0.0 | S |
| 121.233 | 0.0000 | 0.0000 | 81.851 | 0.23066 | 0.00000 | 602892.1 | 430328.0 | 0.0 | S |
| 121.242 | 0.0000 | 0.0000 | 81.851 | 0.23065 | 0.00000 | 602892.1 | 430334.9 | 0.0 | S |
| 121.250 | 0.0000 | 0.0000 | 81.851 | 0.23063 | 0.00000 | 602892.1 | 430341.8 | 0.0 | S |
| 121.258 | 0.0000 | 0.0000 | 81.850 | 0.23062 | 0.00000 | 602892.1 | 430348.8 | 0.0 | S |
| 121.267 | 0.0000 | 0.0000 | 81.850 | 0.23060 | 0.00000 | 602892.1 | 430355.7 | 0.0 | S |
| 121.275 | 0.0000 | 0.0000 | 81.850 | 0.23058 | 0.00000 | 602892.1 | 430362.6 | 0.0 | S |
| 121.283 | 0.0000 | 0.0000 | 81.850 | 0.23057 | 0.00000 | 602892.1 | 430369.5 | 0.0 | S |
| 121.292 | 0.0000 | 0.0000 | 81.850 | 0.23055 | 0.00000 | 602892.1 | 430376.4 | 0.0 | S |
| 121.300 | 0.0000 | 0.0000 | 81.850 | 0.23054 | 0.00000 | 602892.1 | 430383.3 | 0.0 | S |
| 121.308 | 0.0000 | 0.0000 | 81.850 | 0.23052 | 0.00000 | 602892.1 | 430390.3 | 0.0 | S |
| 121.317 | 0.0000 | 0.0000 | 81.850 | 0.23050 | 0.00000 | 602892.1 | 430397.2 | 0.0 | S |
| 121.325 | 0.0000 | 0.0000 | 81.849 | 0.23049 | 0.00000 | 602892.1 | 430404.1 | 0.0 | S |
| 121.333 | 0.0000 | 0.0000 | 81.849 | 0.23047 | 0.00000 | 602892.1 | 430411.0 | 0.0 | S |
| 121.342 | 0.0000 | 0.0000 | 81.849 | 0.23046 | 0.00000 | 602892.1 | 430417.9 | 0.0 | S |
| 121.350 | 0.0000 | 0.0000 | 81.849 | 0.23044 | 0.00000 | 602892.1 | 430424.8 | 0.0 | S |
| 121.358 | 0.0000 | 0.0000 | 81.849 | 0.23042 | 0.00000 | 602892.1 | 430431.8 | 0.0 | S |
| 121.367 | 0.0000 | 0.0000 | 81.849 | 0.23041 | 0.00000 | 602892.1 | 430438.7 | 0.0 | S |
| 121.375 | 0.0000 | 0.0000 | 81.849 | 0.23039 | 0.00000 | 602892.1 | 430445.6 | 0.0 | S |
| \$21.383 | 0.0000 | 0.0000 | 81.849 | 0.23038 | 0.00000 | 602892.1 | 430452.5 | 0.0 | S |
| 121.392 | 0.0000 | 0.0000 | 81.849 | 0.23036 | 0.00000 | 602892.1 | 430459.4 | 0.0 | S |
| 121.400 | 0.0000 | 0.0000 | 81.848 | 0.23034 | 0.00000 | 602892.1 | 430466.3 | 0.0 | S |
| 121.408 | 0.0000 | 0.0000 | 81.848 | 0.23033 | 0.00000 | 602892.1 | 430473.2 | 0.0 | S |
| 121.417 | 0.0000 | 0.0000 | 81.848 | 0.23031 | 0.00000 | 602892.1 | 430480.1 | 0.0 | S |
| 121.425 | 0.0000 | 0.0000 | 81.848 | 0.23030 | 0.00000 | 602892.1 | 430487.0 | 0.0 | S |
| 121.433 | 0.0000 | 0.0000 | 81.848 | 0.23028 | 0.00000 | 602892.1 | 430493.9 | 0.0 | S |
| 121.442 | 0.0000 | 0.0000 | 81.848 | 0.23026 | 0.00000 | 602892.1 | 430500.8 | 0.0 | S |
| 121.450 | 0.0000 | 0.0000 | 81.848 | 0.23025 | 0.00000 | 602892.1 | 430507.8 | 0.0 | S |
| 121.458 | 0.0000 | 0.0000 | 81.848 | 0.23023 | 0.00000 | 602892.1 | 430514.7 | 0.0 | S |
| 121.467 | 0.0000 | 0.0000 | 81.847 | 0.23022 | 0.00000 | 602892.1 | 430521.6 | 0.0 | S |
| 121.475 | 0.0000 | 0.0000 | 81.847 | 0.23020 | 0.00000 | 602892.1 | 430528.5 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:: Scenario 1 :: pond 9100 year $/ 24$ hour routing with pond 10 overflow

| Elapsed Time (hours) | inflow Rate ( $\mathrm{t}^{3 /} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overllow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Curnulative Inflow Volurne ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Votume (ft ${ }^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 121.483 | 0.0000 | 0.0000 | 81.847 | 0.23019 | 0.00000 | 602892.1 | 430535.4 | 0.0 | S |
| 121.492 | 0.0000 | 0.0000 | 81.847 | 0.23017 | 0.00000 | 602892.1 | 430542.3 | 0.0 | S |
| 121.500 | 0.0000 | 0.0000 | 81.847 | 0.23015 | 0.00000 | 602892.1 | 430549.2 | 0.0 | S |
| 121.508 | 0.0000 | 0.0000 | 81.847 | 0.23014 | 0.00000 | 602892.1 | 430556.1 | 0.0 | S |
| 121.517 | 0.0000 | 0.0000 | 81.847 | 0.23012 | 0.00000 | 602892.1 | 430563.0 | 0.0 | S |
| 121.525 | 0.0000 | 0.0000 | 81.847 | 0.23011 | 0.00000 | 602892.1 | 430569.9 | 0.0 | S |
| 121.533 | 0.0000 | 0.0000 | 81.846 | 0.23009 | 0.00000 | 602892.7 | 430576.8 | 0.0 | S |
| 121.542 | 0.0000 | 0.0000 | 81.846 | 0.23007 | 0.00000 | 602892.1 | 430583.7 | 0.0 | S |
| 121.550 | 0.0000 | 0.0000 | 81.846 | 0.23006 | 0.00000 | 602892.1 | 430590.6 | 0.0 | S |
| 121.558 | 0.0000 | 0.0000 | 81.846 | 0.23004 | 0.00000 | 602892.1 | 430597.5 | 0.0 | S |
| 121.567 | 0.0000 | 0.0000 | 81.846 | 0.23003 | 0.00000 | 602892.1 | 430604.4 | 0.0 | S |
| 121.575 | 0.0000 | 0.0000 | 81.846 | 0.23001 | 0.00000 | 602892.1 | 430611.3 | 0.0 | S |
| 121.583 | 0.0000 | 0.0000 | 81.846 | 0.22999 | 0.00000 | 602892.1 | 430618.2 | 0.0 | S |
| 121.592 | 0.0000 | 0.0000 | 81.846 | 0.22998 | 0.00000 | 602892.1 | 430625.1 | 0.0 | S |
| 121.600 | 0.0000 | 0.0000 | 81.845 | 0.22996 | 0.00000 | 602892.1 | 430632.0 | 0.0 | S |
| 121.608 | 0.0000 | 0.0000 | 81.845 | 0.22995 | 0.00000 | 602892.1 | 430638.9 | 0.0 | S |
| 121.617 | 0.0000 | 0.0000 | 81.845 | 0.22993 | 0.00000 | 602892.1 | 430645.8 | 0.0 | S |
| 121.625 | 0.0000 | 0.0000 | 81.845 | 0.22992 | 0.00000 | 602892.1 | 430652.7 | 0.0 | S |
| 121.633 | 0.0000 | 0.0000 | 81.845 | 0.22990 | 0.00000 | 602892.1 | 430659.6 | 0.0 | S |
| 121.642 | 0.0000 | 0.0000 | 81.845 | 0.22988 | 0.00000 | 602892.1 | 430666.5 | 0.0 | S |
| 121.650 | 0.0000 | 0.0000 | 81.845 | 0.22987 | 0.00000 | 602892.1 | 430673.4 | 0.0 | S |
| 121.658 | 0.0000 | 0.0000 | 81.845 | 0.22985 | 0.00000 | 602892.1 | 430680.3 | 0.0 | S |
| 121.667 | 0.0000 | 0.0000 | 81.844 | 0.22984 | 0.00000 | 602892.1 | 430687.2 | 0.0 | S |
| 121.675 | 0.0000 | 0.0000 | 81.844 | 0.22982 | 0.00000 | 602892.1 | 430694.1 | 0.0 | S |
| 121.683 | 0.0000 | 0.0000 | 81.844 | 0.22980 | 0.00000 | 602892.1 | 430701.0 | 0.0 | S |
| 121.692 | 0.0000 | 0.0000 | 81.844 | 0.22979 | 0.00000 | 602892.1 | 430707.9 | 0.0 | S |
| 121.700 | 0.0000 | 0.0000 | 81.844 | 0.22977 | 0.00000 | 602892.1 | 430714.8 | 0.0 | S |
| 121.708 | 0.0000 | 0.0000 | 81.844 | 0.22976 | 0.00000 | 602892.1 | 430721.7 | 0.0 | S |
| 121.717 | 0.0000 | 0.0000 | 81.844 | 0.22974 | 0.00000 | 602892.1 | 430728.6 | 0.0 | S |
| 121.725 | 0.0000 | 0.0000 | 81.844 | 0.22972 | 0.00000 | 602892.1 | 430735.4 | 0.0 | S |
| 121.733 | 0.0000 | 0.0000 | 81.844 | 0.22971 | 0.00000 | 602892.1 | 430742.3 | 0.0 | 5 |
| 121.742 | 0.0000 | 0.0000 | 81.843 | 0.22969 | 0.00000 | 602892.1 | 430749.2 | 0.0 | S |
| 121.750 | 0.0000 | 0.0000 | 81.843 | 0.22968 | 0.00000 | 602892.1 | 430756.1 | 0.0 | 5 |
| 121.758 | 0.0000 | 0.0000 | 81.843 | 0.22966 | 0.00000 | 602892.1 | 430763.0 | 0.0 | S |
| 121.767 | 0.0000 | 0.0000 | 81.843 | 0.22965 | 0.00000 | 602892.1 | 430769.9 | 0.0 | S |
| 121.775 | 0.0000 | 0.0000 | 81.843 | 0.22963 | 0.00000 | 602892.1 | 430776.8 | 0.0 | S |
| 121.783 | 0.0000 | 0.0000 | 81.843 | 0.22961 | 0.00000 | 602892.1 | 430783.7 | 0.0 | S |
| 121.792 | 0.0000 | 0.0000 | 81.843 | 0.22960 | 0.00000 | 602892.1 | 430790.6 | 0.0 | S |
| 121.800 | 0.0000 | 0.0000 | 81.843 | 0.22958 | 0.00000 | 602892.1 | 430797.5 | 0.0 | S |
| 121.808 | 0.0000 | 0.0000 | 81.842 | 0.22957 | 0.00000 | 602892.7 | 430804.3 | 0.0 | S |
| 121.817 | 0.0000 | 0.0000 | 81.842 | 0.22955 | 0.00000 | 602892.1 | 430811.2 | 0.0 | S |
| 121.825 | 0.0000 | 0.0000 | 81.842 | 0.22953 | 0.00000 | 602892.1 | 430818.1 | 0.0 | S |
| 121.833 | 0.0000 | 0.0000 | 81.842 | 0.22952 | 0.00000 | 602892.1 | 430825.0 | 0.0 | S |
| 121.842 | 0.0000 | 0.0000 | 81.842 | 0.22950 | 0.00000 | 602892.1 | 430831.9 | 0.0 | S |
| 121.850 | 0.0000 | 0.0000 | 81.842 | 0.22949 | 0.00000 | 602892.1 | 430838.8 | 0.0 | S |
| 121.858 | 0.0000 | 0.0000 | 81.842 | 0.22947 | 0.00000 | 602892.1 | 430845.7 | 0.0 | S |
| 121.867 | 0.0000 | 0.0000 | 81.842 | 0.22946 | 0.00000 | 602892.1 | 430852.5 | 0.0 | S |
| 121.875 | 0.0000 | 0.0000 | 81.841 | 0.22944 | 0.00000 | 602892.1 | 430859.4 | 0.0 | S |
| 121.883 | 0.0000 | 0.0000 | 81.841 | 0.22942 | 0.00000 | 602892.1 | 430866.3 | 0.0 | S |
| 121.892 | 0.0000 | 0.0000 | 81.841 | 0.22941 | 0.00000 | 602892.1 | 430873.2 | 0.0 | S |
| 121.900 | 0.0000 | 0.0000 | 81.841 | 0.22939 | 0.00000 | 602892.1 | 430880.1 | 0.0 | 5 |
| 121.908 | 0.0000 | 0.0000 | 81.841 | 0.22938 | 0.00000 | 602892.1 | 430887.0 | 0.0 | S |
| 121.917 | 0.0000 | 0.0000 | 81.841 | 0.22936 | 0.00000 | 602892.1 | 430893.8 | 0.0 | S |
| 121.925 | 0.0000 | 0.0000 | 81.841 | 0.22935 | 0.00000 | 602892.1 | 430900.7 | 0.0 | S |
| 121.933 | 0.0000 | 0.0000 | 81.841 | 0.22933 | 0.00000 | 602892.1 | 430907.6 | 0.0 | S |
| 121.942 | 0.0000 | 0.0000 | 81.840 | 0.22931 | 0.00000 | 602892.1 | 430914.5 | 0.0 | S |
| 121.950 | 0.0000 | 0.0000 | 81.840 | 0.22930 | 0.00000 | 602892.1 | 430921.3 | 0.0 | S |
| 121.958 | 0.0000 | 0.0000 | 81.840 | 0.22928 | 0.00000 | 602892.1 | 430928.2 | 0.0 | S |
| 121.967 | 0.0000 | 0.0000 | 81.840 | 0.22927 | 0.00000 | 602892.1 | 430935.1 | 0.0 | S |
| 121.975 | 0.0000 | 0.0000 | 81.840 | 0.22925 | 0.00000 | 602892.1 | 430942.0 | 0.0 | S |
| 121.983 | 0.0000 | 0.0000 | 81.840 | 0.22923 | 0.00000 | 602892.1 | 430948.9 | 0.0 | S |
| 121.992 | 0.0000 | 0.0000 | 81.840 | 0.22922 | 0.00000 | 602892.1 | 430955.8 | 0.0 | S |
| 122.000 | 0.0000 | 0.0000 | 81.840 | 0.22920 | 0.00000 | 602892.1 | 430962.6 | 0.0 | S |
| 122.008 | 0.0000 | 0.0000 | 81.839 | 0.22919 | 0.00000 | 602892.1 | 430969.5 | 0.0 | S |
| 122.017 | 0.0000 | 0.0000 | 81.839 | 0.22917 | 0.00000 | 602892.1 | 430976.4 | 0.0 | S |
| 122.025 | 0.0000 | 0.0000 | 81.839 | 0.22916 | 0.00000 | 602892.1 | 430983.3 | 0.0 | S |
| 122.033 | 0.0000 | 0.0000 | 81.839 | 0.22914 | 0.00000 | 602892.1 | 430990.1 | 0.0 | S |
| 122.042 | 0.0000 | 0.0000 | 81.839 | 0.22912 | 0.00000 | 602892.1 | 430997.0 | 0.0 | S |
| 122.050 | 0.0000 | 0.0000 | 81.839 | 0.22911 | 0.00000 | 602892.1 | 431003.9 | 0.0 | S |
| 122.058 | 0.0000 | 0.0000 | 81.839 | 0.22909 | 0.00000 | 602892.1 | 431010.8 | 0.0 | S |
| 122.067 | 0.0000 | 0.0000 | 81.839 | 0.22908 | 0.00000 | 602892.1 | 431017.6 | 0.0 | S |
| 122.075 | 0.0000 | 0.0000 | 81.838 | 0.22906 | 0.00000 | 602892.1 | 431024.5 | 0.0 | S |
| 122.083 | 0.0000 | 0.0000 | 81.838 | 0.22905 | 0.00000 | 602892.1 | 431031.3 | 0.0 | S |
| 122.092 | 0.0000 | 0.0000 | 81.838 | 0.22903 | 0.00000 | 602892.1 | 431038.2 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation ( t datum) | Infiltration Rate ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Votume ( $\mathrm{fr}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 122.100 | 0.0000 | 0.0000 | 81.838 | 0.22901 | 0.00000 | 602892.1 | 431045.1 | 0.0 | S |
| 122.108 | 0.0000 | 0.0000 | 81.838 | 0.22900 | 0.00000 | 602892.1 | 431052.0 | 0.0 | S |
| 122.117 | 0.0000 | 0.0000 | 81.838 | 0.22898 | 0.00000 | 602892.1 | 431058.8 | 0.0 | S |
| 122.125 | 0.0000 | 0.0000 | 81.838 | 0.22897 | 0.00000 | 602892.1 | 431065.7 | 0.0 | S |
| 122.133 | 0.0000 | 0.0000 | 81.838 | 0.22895 | 0.00000 | 602892.1 | 431072.6 | 0.0 | S |
| 122.142 | 0.0000 | 0.0000 | 81.838 | 0.22893 | 0.00000 | 602892.1 | 431079.4 | 0.0 | S |
| 122.150 | 0.0000 | 0.0000 | 81.837 | 0.22892 | 0.00000 | 602892.1 | 431086.3 | 0.0 | S |
| 122.158 | 0.0000 | 0.0000 | 81.837 | 0.22890 | 0.00000 | 602892.1 | 431093.2 | 0.0 | S |
| 122.167 | 0.0000 | 0.0000 | 81.837 | 0.22889 | 0.00000 | 602892.1 | 431100.0 | 0.0 | S |
| 122.175 | 0.0000 | 0.0000 | 81.837 | 0.22887 | 0.00000 | 602892.1 | 431106.9 | 0.0 | S |
| 122.183 | 0.0000 | 0.0000 | 81.837 | 0.22886 | 0.00000 | 602892.1 | 431113.8 | 0.0 | S |
| 122.192 | 0.0000 | 0.0000 | 81.837 | 0.22884 | 0.00000 | 602892.1 | 431120.7 | 0.0 | S |
| 122.200 | 0.0000 | 0.0000 | 81.837 | 0.22882 | 0.00000 | 602892.1 | 431127.5 | 0.0 | S |
| 122.208 | 0.0000 | 0.0000 | 81.837 | 0.22881 | 0.00000 | 602892.1 | 431134.4 | 0.0 | S |
| 122.217 | 0.0000 | 0.0000 | 81.836 | 0.22879 | 0.00000 | 602892.1 | 431141.3 | 0.0 | S |
| 122.225 | 0.0000 | 0.0000 | 81.836 | 0.22878 | 0.00000 | 602892.1 | 431148.1 | 0.0 | S |
| 122.233 | 0.0000 | 0.0000 | 81.836 | 0.22876 | 0.00000 | 602892.1 | 431155.0 | 0.0 | S |
| 122.242 | 0.0000 | 0.0000 | 81.836 | 0.22875 | 0.00000 | 602892.1 | 431161.8 | 0.0 | S |
| 122.250 | 0.0000 | 0.0000 | 81.836 | 0.22873 | 0.00000 | 602892.1 | 431168.7 | 0.0 | S |
| 122.258 | 0.0000 | 0.0000 | 81.836 | 0.22871 | 0.00000 | 602892.1 | 431175.6 | 0.0 | S |
| 122.267 | 0.0000 | 0.0000 | 81.836 | 0.22870 | 0.00000 | 602892.1 | 431182.4 | 0.0 | S |
| 122.275 | 0.0000 | 0.0000 | 81.836 | 0.22868 | 0.00000 | 602892.1 | 431189.3 | 0.0 | S |
| 122.283 | 0.0000 | 0.0000 | 81.835 | 0.22867 | 0.00000 | 602892.1 | 431196.1 | 0.0 | S |
| 122.292 | 0.0000 | 0.0000 | 81.835 | 0.22865 | 0.00000 | 602892.1 | 431203.0 | 0.0 | S |
| 122.300 | 0.0000 | 0.0000 | 81.835 | 0.22864 | 0.00000 | 602892.1 | 431209.8 | 0.0 | S |
| 122.308 | 0.0000 | 0.0000 | 81.835 | 0.22862 | 0.00000 | 602892.1 | 431216.7 | 0.0 | S |
| 122.317 | 0.0000 | 0.0000 | 81.835 | 0.22860 | 0.00000 | 602892.1 | 431223.6 | 0.0 | S |
| 122.325 | 0.0000 | 0.0000 | 81.835 | 0.22859 | 0.00000 | 602892.1 | 431230.4 | 0.0 | S |
| 122.333 | 0.0000 | 0.0000 | 81.835 | 0.22857 | 0.00000 | 602892.1 | 431237.3 | 0.0 | S |
| 122.342 | 0.0000 | 0.0000 | 81.835 | 0.22856 | 0.00000 | 602892.1 | 431244.2 | 0.0 | S |
| 122.350 | 0.0000 | 0.0000 | 81.834 | 0.22854 | 0.00000 | 602892.1 | 431251.0 | 0.0 | S |
| 122.358 | 0.0000 | 0.0000 | 81.834 | 0.22853 | 0.00000 | 602892.1 | 431257.8 | 0.0 | S |
| 122.367 | 0.0000 | 0.0000 | 81.834 | 0.22851 | 0.00000 | 602892.1 | 431264.7 | 0.0 | S |
| 122.375 | 0.0000 | 0.0000 | 81.834 | 0.22849 | 0.00000 | 602892.1 | 431271.6 | 0.0 | S |
| 122.383 | 0.0000 | 0.0000 | 81.834 | 0.22848 | 0.00000 | 602892.1 | 431278.4 | 0.0 | S |
| 122.392 | 0.0000 | 0.0000 | 81.834 | 0.22846 | 0.00000 | 602892.1 | 431285.3 | 0.0 | S |
| 122.400 | 0.0000 | 0.0000 | 81.834 | 0.22845 | 0.00000 | 602892.1 | 431292.1 | 0.0 | S |
| 122.408 | 0.0000 | 0.0000 | 81.834 | 0.22843 | 0.00000 | 602892.1 | 431299.0 | 0.0 | S |
| 122.417 | 0.0000 | 0.0000 | 81.834 | 0.22842 | 0.00000 | 602892.1 | 431305.8 | 0.0 | S |
| 122.425 | 0.0000 | 0.0000 | 81.833 | 0.22840 | 0.00000 | 602892.1 | 431312.7 | 0.0 | S |
| 122.433 | 0.0000 | 0.0000 | 81.833 | 0.22838 | 0.00000 | 602892.1 | 431319.5 | 0.0 | S |
| 122.442 | 0.0000 | 0.0000 | 81.833 | 0.22837 | 0.00000 | 602892.1 | 431326.4 | 0.0 | S |
| 122.450 | 0.0000 | 0.0000 | 81.833 | 0.22835 | 0.00000 | 602892.1 | 431333.3 | 0.0 | S |
| 122.458 | 0.0000 | 0.0000 | 81.833 | 0.22834 | 0.00000 | 602892.1 | 431340.1 | 0.0 | S |
| 122.467 | 0.0000 | 0.0000 | 81.833 | 0.22832 | 0.00000 | 602892.1 | 431346.9 | 0.0 | S |
| 122.475 | 0.0000 | 0.0000 | 81.833 | 0.22831 | 0.00000 | 602892.1 | 431353.8 | 0.0 | S |
| 122.483 | 0.0000 | 0.0000 | 81.833 | 0.22829 | 0.00000 | 602892.1 | 431360.6 | 0.0 | S |
| 122.492 | 0.0000 | 0.0000 | 81.832 | 0.22828 | 0.00000 | 602892.1 | 431367.5 | 0.0 | S |
| 122.500 | 0.0000 | 0.0000 | 81.832 | 0.22826 | 0.00000 | 602892.1 | 431374.3 | 0.0 | S |
| 122.508 | 0.0000 | 0.0000 | 81.832 | 0.22824 | 0.00000 | 602892.1 | 431381.2 | 0.0 | S |
| 122.517 | 0.0000 | 0.0000 | 81.832 | 0.22823 | 0.00000 | 602892.1 | 431388.0 | 0.0 | S |
| 122.525 | 0.0000 | 0.0000 | 81.832 | 0.22821 | 0.00000 | 602892.1 | 431394.9 | 0.0 | S |
| 122.533 | 0.0000 | 0.0000 | 81.832 | 0.22820 | 0.00000 | 602892.1 | 431401.7 | 0.0 | S |
| 122.542 | 0.0000 | 0.0000 | 81.832 | 0.22818 | 0.00000 | 602892.1 | 431408.6 | 0.0 | S |
| 122.550 | 0.0000 | 0.0000 | 81.832 | 0.22817 | 0.00000 | 602892.1 | 431415.4 | 0.0 | S |
| 122.558 | 0.0000 | 0.0000 | 81.831 | 0.22815 | 0.00000 | 602892.1 | 431422.3 | 0.0 | S |
| 122.567 | 0.0000 | 0.0000 | 81.831 | 0.22813 | 0.00000 | 602892.1 | 431429.1 | 0.0 | S |
| 122.575 | 0.0000 | 0.0000 | 81.831 | 0.22812 | 0.00000 | 602892.1 | 431435.9 | 0.0 | S |
| 122.583 | 0.0000 | 0.0000 | 81.831 | 0.22810 | 0.00000 | 602892.1 | 431442.8 | 0.0 | S |
| 122.592 | 0.0000 | 0.0000 | 81.831 | 0.22809 | 0.00000 | 602892.1 | 431449.6 | 0.0 | S |
| 122.600 | 0.0000 | 0,0000 | 81.831 | 0.22807 | 0.00000 | 602892.1 | 431456.5 | 0.0 | S |
| 122.608 | 0.0000 | 0.0000 | 81.831 | 0.22806 | 0.00000 | 602892.1 | 431463.3 | 0.0 | S |
| 122.617 | 0.0000 | 0.0000 | 81.831 | 0.22804 | 0.00000 | 602892.1 | 431470.2 | 0.0 | S |
| 122.625 | 0.0000 | 0.0000 | 81.830 | 0.22802 | 0.00000 | 602892.1 | 431477.0 | 0.0 | S |
| 122.633 | 0.0000 | 0.0000 | 81.830 | 0.22801 | 0.00000 | 602892.1 | 431483.8 | 0.0 | S |
| 122.642 | 0.0000 | 0.0000 | 81.830 | 0.22799 | 0.00000 | 602892.1 | 431490.7 | 0.0 | S |
| 122.650 | 0.0000 | 0.0000 | 81.830 | 0.22798 | 0.00000 | 602892.1 | 431497.5 | 0.0 | S |
| 122.658 | 0.0000 | 0.0000 | 81.830 | 0.22796 | 0.00000 | 602892.1 | 431504.3 | 0.0 | S |
| 122.667 | 0.0000 | 0.0000 | 81.830 | 0.22795 | 0.00000 | 602892.1 | 431511.2 | 0.0 | S |
| 122.675 | 0.0000 | 0.0000 | 81.830 | 0.22793 | 0.00000 | 602892.1 | 431518.0 | 0.0 | S |
| 122.683 | 0.0000 | 0.0000 | 81.830 | 0.22792 | 0.00000 | 602892.1 | 431524.9 | 0.0 | S |
| 122.692 | 0.0000 | 0.0000 | 81.830 | 0.22790 | 0.00000 | 602892.1 | 431531.7 | 0.0 | S |
| 122.700 | 0.0000 | 0.0000 | 81.829 | 0.22788 | 0.00000 | 602892.1 | 431538.5 | 0.0 | S |
| 122.708 | 0.0000 | 0.0000 | 81.829 | 0.22787 | 0.00000 | 602892.1 | 431545.4 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{t}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative <br> Discharge <br> Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 122.717 | 0.0000 | 0.0000 | 81.829 | 0.22785 | 0.00000 | 602892.1 | 431552.2 | 0.0 | S |
| 122.725 | 0.0000 | 0.0000 | 81.829 | 0.22784 | 0.00000 | 602892.1 | 431559.1 | 0.0 | S |
| 122.733 | 0.0000 | 0.0000 | 81.829 | 0.22782 | 0.00000 | 602892.1 | 431565.9 | 0.0 | S |
| 122.742 | 0.0000 | 0.0000 | 81.829 | 0.22781 | 0.00000 | 602892.1 | 431572.7 | 0.0 | S |
| 122.750 | 0.0000 | 0.0000 | 81.829 | 0.22779 | 0.00000 | 602892.1 | 431579.6 | 0.0 | S |
| 122.758 | 0.0000 | 0.0000 | 81.829 | 0.22777 | 0.00000 | 602892.1 | 431586.4 | 0.0 | S |
| 122.767 | 0.0000 | 0.0000 | 81.828 | 0.22776 | 0.00000 | 602892.1 | 431593.2 | 0.0 | S |
| 122.775 | 0.0000 | 0.0000 | 81.828 | 0.22774 | 0.00000 | 602892.1 | 431600.1 | 0.0 | S |
| 122.783 | 0.0000 | 0.0000 | 81.828 | 0.22773 | 0.00000 | 602892.1 | 431606.9 | 0.0 | S |
| 122.792 | 0.0000 | 0.0000 | 81.828 | 0.22771 | 0.00000 | 602892.1 | 431613.7 | 0.0 | S |
| 122.800 | 0.0000 | 0.0000 | 81.828 | 0.22770 | 0.00000 | 602892.1 | 431620.6 | 0.0 | S |
| 122.808 | 0.0000 | 0.0000 | 81.828 | 0.22768 | 0.00000 | 602892.1 | 431627.4 | 0.0 | S |
| 122.817 | 0.0000 | 0.0000 | 81.828 | 0.22767 | 0.00000 | 602892.1 | 431634.2 | 0.0 | S |
| 122.825 | 0.0000 | 0.0000 | 81.828 | 0.22765 | 0.00000 | 602892.1 | 431641.0 | 0.0 | S |
| 122.833 | 0.0000 | 0.0000 | 81.827 | 0.22763 | 0.00000 | 602892.1 | 431647.9 | 0.0 | S |
| 122.842 | 0.0000 | 0.0000 | 81.827 | 0.22762 | 0.00000 | 602892.1 | 431654.7 | 0.0 | S |
| 122.850 | 0.0000 | 0.0000 | 81.827 | 0.22760 | 0.00000 | 602892.1 | 431661.5 | 0.0 | S |
| 122.858 | 0.0000 | 0.0000 | 81.827 | 0.22759 | 0.00000 | 602892.1 | 431668.3 | 0.0 | S |
| 122.867 | 0.0000 | 0.0000 | 81.827 | 0.22757 | 0.00000 | 602892.1 | 431675.2 | 0.0 | S |
| 122.875 | 0.0000 | 0.0000 | 81.827 | 0.22756 | 0.00000 | 602892.1 | 431682.0 | 0.0 | S |
| 122.883 | 0.0000 | 0.0000 | 81.827 | 0.22754 | 0.00000 | 602892.1 | 431688.8 | 0.0 | S |
| 122.892 | 0.0000 | 0.0000 | 81.827 | 0.22753 | 0.00000 | 602892.1 | 431695.7 | 0.0 | S |
| 122.900 | 0.0000 | 0.0000 | 81.826 | 0.22751 | 0.00000 | 602892.1 | 431702.5 | 0.0 | S |
| 122.908 | 0.0000 | 0.0000 | 81.826 | 0.22749 | 0.00000 | 602892.1 | 431709.3 | 0.0 | S |
| 122.917 | 0.0000 | 0.0000 | 81.826 | 0.22748 | 0.00000 | 602892.1 | 431716.1 | 0.0 | S |
| 122.925 | 0.0000 | 0.0000 | 81.826 | 0.22746 | 0.00000 | 602892.1 | 434723.0 | 0.0 | S |
| 122.933 | 0.0000 | 0.0000 | 81.826 | 0.22745 | 0.00000 | 602892.1 | 431729.8 | 0.0 | S |
| 122.942 | 0.0000 | 0.0000 | 81.826 | 0.22743 | 0.00000 | 602892.1 | 431736.6 | 0.0 | S |
| 122.950 | 0.0000 | 0.0000 | 81.826 | 0.22742 | 0.00000 | 602892.1 | 431743.4 | 0.0 | S |
| 122.958 | 0.0000 | 0.0000 | 81.826 | 0.22740 | 0.00000 | 602892.1 | 431750.3 | 0.0 | S |
| 122.967 | 0.0000 | 0.0000 | 81.826 | 0.22739 | 0.00000 | 602892.1 | 431757.1 | 0.0 | S |
| 122.975 | 0.0000 | 0.0000 | 81.825 | 0.22737 | 0.00000 | 602892.1 | 431763.9 | 0.0 | S |
| 122.983 | 0.0000 | 0.0000 | 81.825 | 0.22735 | 0.00000 | 602892.1 | 431770.7 | 0.0 | S |
| 122.992 | 0.0000 | 0.0000 | 81.825 | 0.22734 | 0.00000 | 602892.1 | 431777.5 | 0.0 | S |
| 123.000 | 0.0000 | 0.0000 | 81.825 | 0.22732 | 0.00000 | 602892.1 | 431784.3 | 0.0 | S |
| 123.008 | 0.0000 | 0.0000 | 81.825 | 0.22731 | 0.00000 | 602892.1 | 431791.2 | 0.0 | S |
| 123.017 | 0.0000 | 0.0000 | 81.825 | 0.22729 | 0.00000 | 602892.1 | 431798.0 | 0.0 | S |
| 123.025 | 0.0000 | 0.0000 | 81.825 | 0.22728 | 0.00000 | 602892.1 | 431804.8 | 0.0 | S |
| 123.033 | 0.0000 | 0.0000 | 81.825 | 0.22726 | 0.00000 | 602892.1 | 431811.6 | 0.0 | S |
| 123.042 | 0.0000 | 0.0000 | 81.824 | 0.22725 | 0.00000 | 602892.1 | 431818.4 | 0.0 | S |
| 123.050 | 0.0000 | 0.0000 | 81.824 | 0.22723 | 0.00000 | 602892.1 | 431825.3 | 0.0 | S |
| 123.058 | 0.0000 | 0.0000 | 81.824 | 0.22721 | 0.00000 | 602892.1 | 431832.1 | 0.0 | S |
| 123.067 | 0.0000 | 0.0000 | 81.824 | 0.22720 | 0.00000 | 602892.1 | 431838.9 | 0.0 | S |
| 123.075 | 0.0000 | 0.0000 | 81.824 | 0.22718 | 0.00000 | 602892.1 | 431845.7 | 0.0 | S |
| 123.083 | 0.0000 | 0.0000 | 81.824 | 0.22717 | 0.00000 | 602892.1 | 431852.5 | 0.0 | S |
| 123.092 | 0.0000 | 0.0000 | 81.824 | 0.22715 | 0.00000 | 602892.1 | 431859.3 | 0.0 | S |
| 123.100 | 0.0000 | 0.0000 | 81.824 | 0.22714 | 0.00000 | 602892.1 | 431866.2 | 0.0 | S |
| 123.108 | 0.0000 | 0.0000 | 81.823 | 0.22712 | 0.00000 | 602892.1 | 431873.0 | 0.0 | S |
| 123.117 | 0.0000 | 0.0000 | 81.823 | 0.22711 | 0.00000 | 602892.1 | 431879.8 | 0.0 | S |
| 123.125 | 0.0000 | 0.0000 | 81.823 | 0.22709 | 0.00000 | 602892.1 | 431886.6 | 0.0 | S |
| 123.133 | 0.0000 | 0.0000 | 81.823 | 0.22708 | 0.00000 | 602892.1 | 431893.4 | 0.0 | S |
| 123.142 | 0.0000 | 0.0000 | 81.823 | 0.22706 | 0.00000 | 602892.1 | 431900.2 | 0.0 | S |
| 123.150 | 0.0000 | 0.0000 | 81.823 | 0.22704 | 0.00000 | 602892.1 | 431907.0 | 0.0 | S |
| 123.158 | 0.0000 | 0.0000 | 81.823 | 0.22703 | 0.00000 | 602892.1 | 431913.8 | 0.0 | S |
| 123.167 | 0.0000 | 0.0000 | 81.823 | 0.22701 | 0.00000 | 602892.1 | 431920.7 | 0.0 | S |
| 123.175 | 0.0000 | 0.0000 | 81.822 | 0.22700 | 0.00000 | 602892.1 | 431927.5 | 0.0 | S |
| 123.183 | 0.0000 | 0.0000 | 81.822 | 0.22698 | 0.00000 | 602892.1 | 431934.3 | 0.0 | S |
| 123.192 | 0.0000 | 0.0000 | 81.822 | 0.22697 | 0.00000 | 602892.1 | 431941.1 | 0.0 | S |
| 123.200 | 0.0000 | 0.0000 | 81.822 | 0.22695 | 0.00000 | 602892.1 | 431947.9 | 0.0 | S |
| 123.208 | 0.0000 | 0.0000 | 81.822 | 0.22694 | 0.00000 | 602892.1 | 431954.7 | 0.0 | S |
| 123.217 | 0.0000 | 0.0000 | 81.822 | 0.22692 | 0.00000 | 602892.1 | 431961.5 | 0.0 | S |
| 123.225 | 0.0000 | 0.0000 | 81.822 | 0.22690 | 0.00000 | 602892.1 | 431968.3 | 0.0 | S |
| 123.233 | 0.0000 | 0.0000 | 81.822 | 0.22689 | 0.00000 | 602892.1 | 431975.1 | 0.0 | S |
| 123.242 | 0.0000 | 0.0000 | 81.822 | 0.22687 | 0.00000 | 602892.1 | 431981.9 | 0.0 | S |
| 123.250 | 0.0000 | 0.0000 | 81.821 | 0.22686 | 0.00000 | 602892.1 | 431988.8 | 0.0 | S |
| 123.258 | 0.0000 | 0.0000 | 81.821 | 0.22684 | 0.00000 | 602892.1 | 431995.5 | 0.0 | S |
| 123.267 | 0.0000 | 0.0000 | 81.821 | 0.22683 | 0.00000 | 602892.1 | 432002.3 | 0.0 | S |
| 123.275 | 0.0000 | 0.0000 | 81.821 | 0.22681 | 0.00000 | 602892.1 | 432009.2 | 0.0 | S |
| 123.283 | 0.0000 | 0.0000 | 81.821 | 0.22680 | 0.00000 | 602892.1 | 432016.0 | 0.0 | S |
| 123.292 | 0.0000 | 0.0000 | 81.821 | 0.22678 | 0.00000 | 602892.1 | 432022.8 | 0.0 | S |
| 123.300 | 0.0000 | 0.0000 | 81.821 | 0.22677 | 0.00000 | 602892.1 | 432029.6 | 0.0 | S |
| 123.308 | 0.0000 | 0.0000 | 81.821 | 0.22675 | 0.00000 | 602892.1 | 432036.4 | 0.0 | S |
| 123.317 | 0.0000 | 0.0000 | 81.820 | 0.22673 | 0.00000 | 602892.1 | 432043.2 | 0.0 | S |
| 123.325 | 0.0000 | 0.0000 | 81.820 | 0.22672 | 0.00000 | 602892.1 | 432050.0 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{t}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{fi}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 123.333 | 0.0000 | 0.0000 | 81.820 | 0.22670 | 0.00000 | 602892.1 | 432056.8 | 0.0 | S |
| 123.342 | 0.0000 | 0.0000 | 81.820 | 0.22669 | 0.00000 | 602892.1 | 432063.6 | 0.0 | S |
| 123.350 | 0.0000 | 0.0000 | 81.820 | 0.22667 | 0.00000 | 602892.1 | 432070.4 | 0.0 | S |
| 123.358 | 0.0000 | 0.0000 | 81.820 | 0.22666 | 0.00000 | 602892.1 | 432077.2 | 0.0 | S |
| 123.367 | 0.0000 | 0.0000 | 81.820 | 0.22664 | 0.00000 | 602892.1 | 432084.0 | 0.0 | S |
| 123.375 | 0.0000 | 0.0000 | 81.820 | 0.22663 | 0.00000 | 602892.1 | 432090.8 | 0.0 | S |
| 123.383 | 0.0000 | 0.0000 | 81.819 | 0.22661 | 0.00000 | 602892.1 | 432097.6 | 0.0 | S |
| 123.392 | 0.0000 | 0.0000 | 81.819 | 0.22660 | 0.00000 | 602892.1 | 432104.4 | 0.0 | S |
| 123.400 | 0.0000 | 0.0000 | 81.819 | 0.22658 | 0.00000 | 602892.1 | 432111.2 | 0.0 | S |
| 123.408 | 0.0000 | 0.0000 | 81.819 | 0.22656 | 0.00000 | 602892.1 | 432118.0 | 0.0 | S |
| 123.417 | 0.0000 | 0.0000 | 81.819 | 0.22655 | 0.00000 | 602892.1 | 432124.8 | 0.0 | S |
| 123.425 | 0.0000 | 0.0000 | 81.819 | 0.22653 | 0.00000 | 602892.1 | 432131.6 | 0.0 | S |
| 123.433 | 0.0000 | 0.0000 | 81.819 | 0.22652 | 0.00000 | 602892.1 | 432138.3 | 0.0 | S |
| 123.442 | 0.0000 | 0.0000 | 81.819 | 0.22650 | 0.00000 | 602892.1 | 432145.2 | 0.0 | S |
| 123.450 | 0.0000 | 0.0000 | 81.818 | 0.22649 | 0.00000 | 602892.1 | 432151.9 | 0.0 | S |
| 123.458 | 0.0000 | 0.0000 | 81.818 | 0.22647 | 0.00000 | 602892.1 | 432158.8 | 0.0 | S |
| 123.467 | 0.0000 | 0.0000 | 81.818 | 0.22646 | 0.00000 | 602892.1 | 432165.5 | 0.0 | S |
| 123.475 | 0.0000 | 0.0000 | 81.818 | 0.22644 | 0.00000 | 602892.1 | 432172.3 | 0.0 | S |
| 123.483 | 0.0000 | 0.0000 | 81.818 | 0.22643 | 0.00000 | 602892.1 | 432179.1 | 0.0 | S |
| 123.492 | 0.0000 | 0.0000 | 81.818 | 0.22641 | 0.00000 | 602892.1 | 432185.9 | 0.0 | S |
| 123.500 | 0.0000 | 0.0000 | 81.818 | 0.22639 | 0.00000 | 602892.1 | 432192.7 | 0.0 | S |
| 123.508 | 0.0000 | 0.0000 | 81.818 | 0.22638 | 0.00000 | 602892.1 | 432199.5 | 0.0 | S |
| 123.517 | 0.0000 | 0.0000 | 81.818 | 0.22636 | 0.00000 | 602892.1 | 432206.3 | 0.0 | S |
| 123.525 | 0.0000 | 0.0000 | 81.817 | 0.22635 | 0.00000 | 602892.1 | 432213.1 | 0.0 | S |
| 123.533 | 0.0000 | 0.0000 | 81.817 | 0.22633 | 0.00000 | 602892.1 | 432219.9 | 0.0 | S |
| 123.542 | 0.0000 | 0.0000 | 81.817 | 0.22632 | 0.00000 | 602892.1 | 432226.7 | 0.0 | S |
| 123.550 | 0.0000 | 0.0000 | 81.817 | 0.22630 | 0.00000 | 602892.1 | 432233.4 | 0.0 | S |
| 123.558 | 0.0000 | 0.0000 | 81.817 | 0.22629 | 0.00000 | 602892.1 | 432240.2 | 0.0 | S |
| 123.567 | 0.0000 | 0.0000 | 81.817 | 0.22627 | 0.00000 | 602892.1 | 432247.0 | 0.0 | S |
| 123.575 | 0.0000 | 0.0000 | 81.817 | 0.22626 | 0.00000 | 602892.1 | 432253.8 | 0.0 | S |
| 123.583 | 0.0000 | 0.0000 | 81.817 | 0.22624 | 0.00000 | 602892.1 | 432260.6 | 0.0 | S |
| 123.592 | 0.0000 | 0.0000 | 81.816 | 0.22623 | 0.00000 | 602892.1 | 432267.4 | 0.0 | S |
| 123.600 | 0.0000 | 0.0000 | 81.816 | 0.22621 | 0.00000 | 602892.1 | 432274.2 | 0.0 | S |
| 123.608 | 0.0000 | 0.0000 | 81.816 | 0.22619 | 0.00000 | 602892.1 | 432281.0 | 0.0 | S |
| 123.617 | 0.0000 | 0.0000 | 81.816 | 0.22618 | 0.00000 | 602892.1 | 432287.8 | 0.0 | S |
| 123.625 | 0.0000 | 0.0000 | 81.816 | 0.22616 | 0.00000 | 602892.1 | 432294.5 | 0.0 | S |
| 123.633 | 0.0000 | 0.0000 | 81.816 | 0.22615 | 0.00000 | 602892.1 | 432301.3 | 0.0 | S |
| 123.642 | 0.0000 | 0.0000 | 81.816 | 0.22613 | 0.00000 | 602892.1 | 432308.1 | 0.0 | S |
| 123.650 | 0.0000 | 0.0000 | 81.816 | 0.22612 | 0.00000 | 602892.1 | 432314.9 | 0.0 | S |
| 123.658 | 0.0000 | 0.0000 | 81.815 | 0.22610 | 0.00000 | 602892.1 | 432321.7 | 0.0 | S |
| 123.667 | 0.0000 | 0.0000 | 81.815 | 0.22609 | 0.00000 | 602892.1 | 432328.4 | 0.0 | S |
| 123.675 | 0.0000 | 0.0000 | 81.815 | 0.22607 | 0.00000 | 602892.1 | 432335.2 | 0.0 | S |
| 123.683 | 0.0000 | 0.0000 | 81.815 | 0.22606 | 0.00000 | 602892.1 | 432342.0 | 0.0 | S |
| 123.692 | 0.0000 | 0.0000 | 81.815 | 0.22604 | 0.00000 | 602892.1 | 432348.8 | 0.0 | S |
| 123.700 | 0.0000 | 0.0000 | 81.815 | 0.22603 | 0.00000 | 602892.1 | 432355.6 | 0.0 | S |
| 123.708 | 0.0000 | 0.0000 | 81.815 | 0.22601 | 0.00000 | 602892.1 | 432362.3 | 0.0 | S |
| 123.717 | 0.0000 | 0.0000 | 81.815 | 0.22599 | 0.00000 | 602892.1 | 432369.1 | 0.0 | S |
| 123.725 | 0.0000 | 0.0000 | 81.815 | 0.22598 | 0.00000 | 602892.1 | 432375.9 | 0.0 | S |
| 123.733 | 0.0000 | 0.0000 | 81.814 | 0.22596 | 0.00000 | 602892.1 | 432382.7 | 0.0 | S |
| 123.742 | 0.0000 | 0.0000 | 81.814 | 0.22595 | 0.00000 | 602892.1 | 432389.5 | 0.0 | S |
| 123.750 | 0.0000 | 0.0000 | 81.814 | 0.22593 | 0.00000 | 602892.1 | 432396.3 | 0.0 | S |
| 123.758 | 0.0000 | 0.0000 | 81.814 | 0.22592 | 0.00000 | 602892.1 | 432403.0 | 0.0 | S |
| 123.767 | 0.0000 | 0.0000 | 81.814 | 0.22590 | 0.00000 | 602892.1 | 432409.8 | 0.0 | S |
| 123.775 | 0.0000 | 0.0000 | 81.814 | 0.22589 | 0.00000 | 602892.1 | 432416.6 | 0.0 | S |
| 123.783 | 0.0000 | 0.0000 | 81.814 | 0.22587 | 0.00000 | 602892.1 | 432423.3 | 0.0 | S |
| 123.792 | 0.0000 | 0.0000 | 81.814 | 0.22586 | 0.00000 | 602892.1 | 432430.1 | 0.0 | S |
| 123.800 | 0.0000 | 0.0000 | 81.813 | 0.22584 | 0.00000 | 602892.1 | 432436.9 | 0.0 | S |
| 123.808 | 0.0000 | 0.0000 | 81.813 | 0.22583 | 0.00000 | 602892.1 | 432443.7 | 0.0 | S |
| 123.817 | 0.0000 | 0.0000 | 81.813 | 0.22581 | 0.00000 | 602892.1 | 432450.5 | 0.0 | S |
| 123.825 | 0.0000 | 0.0000 | 81.813 | 0.22579 | 0.00000 | 602892.1 | 432457.2 | 0.0 | S |
| 123.833 | 0.0000 | 0.0000 | 81.813 | 0.22578 | 0.00000 | 602892.1 | 432464.0 | 0.0 | S |
| 123.842 | 0.0000 | 0.0000 | 81.813 | 0.22576 | 0.00000 | 602892.1 | 432470.8 | 0.0 | S |
| 123.850 | 0.0000 | 0.0000 | 81.813 | 0.22575 | 0.00000 | 602892.1 | 432477.6 | 0.0 | S |
| 123.858 | 0.0000 | 0.0000 | 81.813 | 0.22573 | 0.00000 | 602892.1 | 432484.3 | 0.0 | S |
| 123.867 | 0.0000 | 0.0000 | 81.812 | 0.22572 | 0.00000 | 602892.1 | 432491.1 | 0.0 | S |
| 123.875 | 0.0000 | 0.0000 | 81.812 | 0.22570 | 0.00000 | 602892.1 | 432497.9 | 0.0 | S |
| 123.883 | 0.0000 | 0.0000 | 81.812 | 0.22569 | 0.00000 | 602892.1 | 432504.6 | 0.0 | S |
| 123.892 | 0.0000 | 0.0000 | 81.812 | 0.22567 | 0.00000 | 602892.1 | 432511.4 | 0.0 | S |
| 123.900 | 0.0000 | 0.0000 | 81.812 | 0.22566 | 0.00000 | 602892.1 | 432518.2 | 0.0 | S |
| 123.908 | 0.0000 | 0.0000 | 81.812 | 0.22564 | 0.00000 | 602892.1 | 432524.9 | 0.0 | S |
| \$23.917 | 0.0000 | 0.0000 | 81.812 | 0.22563 | 0.00000 | 602892.1 | 432531.7 | 0.0 | S |
| 123.925 | 0.0000 | 0.0000 | 81.812 | 0.22561 | 0.00000 | 602892.1 | 432538.5 | 0.0 | S |
| 123.933 | 0.0000 | 0.0000 | 81.812 | 0.22560 | 0.00000 | 602892.1 | 432545.3 | 0.0 | S |
| 123.942 | 0.0000 | 0.0000 | 81.811 | 0.22558 | 0.00000 | 602892.1 | 432552.0 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year/24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate (f ${ }^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overfiow Discharge ( $\mathrm{ft}^{3 / 5}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative <br> Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 123.950 | 0.0000 | 0.0000 | 81.811 | 0.22556 | 0.00000 | 602892.1 | 432558.8 | 0.0 | S |
| 123.958 | 0.0000 | 0.0000 | 81.811 | 0.22555 | 0.00000 | 602892.1 | 432565.6 | 0.0 | S |
| 123.967 | 0.0000 | 0.0000 | 81.811 | 0.22553 | 0.00000 | 602892.1 | 432572.3 | 0.0 | S |
| 123.975 | 0.0000 | 0.0000 | 81.811 | 0.22552 | 0.00000 | 602892.1 | 432579.1 | 0.0 | S |
| 123.983 | 0.0000 | 0.0000 | 81.811 | 0.22550 | 0.00000 | 602892.1 | 432585.8 | 0.0 | S |
| 123.992 | 0.0000 | 0.0000 | 81.811 | 0.22549 | 0.00000 | 602882.1 | 432592.6 | 0.0 | S |
| 124.000 | 0.0000 | 0.0000 | 81.811 | 0.22547 | 0.00000 | 602882.1 | 432599.4 | 0.0 | S |
| 124.008 | 0.0000 | 0.0000 | 81.810 | 0.22546 | 0.00000 | 602892.1 | 432606.2 | 0.0 | S |
| 124.017 | 0.0000 | 0.0000 | 81.810 | 0.22544 | 0.00000 | 602892.1 | 432612.9 | 0.0 | S |
| 124.025 | 0.0000 | 0.0000 | 81.810 | 0.22543 | 0.00000 | 602892.1 | 432619.7 | 0.0 | S |
| 124.033 | 0.0000 | 0.0000 | 81.810 | 0.22541 | 0.00000 | 602892.1 | 432626.4 | 0.0 | S |
| 124.042 | 0.0000 | 0.0000 | 81.810 | 0.22540 | 0.00000 | 602892.1 | 432633.2 | 0.0 | S |
| 124.050 | 0.0000 | 0.0000 | 81.810 | 0.22538 | 0.00000 | 602892.1 | 432640.0 | 0.0 | S |
| 124.058 | 0.0000 | 0.0000 | 81.810 | 0.22537 | 0.00000 | 602892.1 | 432646.7 | 0.0 | S |
| 124.067 | 0.0000 | 0.0000 | 81.810 | 0.22535 | 0.00000 | 602892.1 | 432653.5 | 0.0 | S |
| 124.075 | 0.0000 | 0.0000 | 81.809 | 0.22534 | 0.00000 | 602892.1 | 432660.3 | 0.0 | S |
| 124.083 | 0.0000 | 0.0000 | 81.809 | 0.22532 | 0.00000 | 602892.1 | 432667.0 | 0.0 | S |
| 124.092 | 0.0000 | 0.0000 | 81.809 | 0.22530 | 0.00000 | 602892.1 | 432673.8 | 0.0 | S |
| 124.100 | 0.0000 | 0.0000 | 81.809 | 0.22529 | 0.00000 | 602892.4 | 432680.5 | 0.0 | S |
| 124.108 | 0.0000 | 0.0000 | 81.809 | 0.22527 | 0.00000 | 602892.1 | 432687.3 | 0.0 | S |
| 124.117 | 0.0000 | 0.0000 | 81.809 | 0.22526 | 0.00000 | 602892.1 | 432694.0 | 0.0 | S |
| 124.125 | 0.0000 | 0.0000 | 81.809 | 0.22524 | 0.00000 | 602892.1 | 432700.8 | 0.0 | S |
| 124.133 | 0.0000 | 0.0000 | 81.809 | 0.22523 | 0.00000 | 602892.1 | 432707.6 | 0.0 | S |
| 124.142 | 0.0000 | 0.0000 | 81.808 | 0.22521 | 0.00000 | 602892.1 | 432714.3 | 0.0 | S |
| 124.150 | 0.0000 | 0.0000 | 81.808 | 0.22520 | 0.00000 | 602892.1 | 432721.1 | 0.0 | S |
| 124.158 | 0.0000 | 0.0000 | 81.808 | 0.22518 | 0.00000 | 602892.1 | 432727.8 | 0.0 | S |
| 124.167 | 0.0000 | 0.0000 | 81.808 | 0.22517 | 0.00000 | 602892.1 | 432734.6 | 0.0 | S |
| 124.175 | 0.0000 | 0.0000 | 81.808 | 0.22515 | 0.00000 | 602892.1 | 432741.3 | 0.0 | S |
| 124.183 | 0.0000 | 0.0000 | 81.808 | 0.22514 | 0.00000 | 602892.1 | 432748.1 | 0.0 | S |
| 124.192 | 0.0000 | 0.0000 | 81.808 | 0.22512 | 0.00000 | 602892.1 | 432754.8 | 0.0 | S |
| 124.200 | 0.0000 | 0.0000 | 81.808 | 0.22511 | 0.00000 | 602892.1 | 432761.6 | 0.0 | S |
| 124.208 | 0.0000 | 0.0000 | 81.808 | 0.22509 | 0.00000 | 602892.1 | 432768.3 | 0.0 | S |
| 124.217 | 0.0000 | 0.0000 | 81.807 | 0.22508 | 0.00000 | 602892.1 | 432775.1 | 0.0 | S |
| 124.225 | 0.0000 | 0.0000 | 81.807 | 0.22506 | 0.00000 | 602892.1 | 432781.8 | 0.0 | S |
| 124.233 | 0.0000 | 0.0000 | 81.807 | 0.22505 | 0.00000 | 602892.1 | 432788.6 | 0.0 | S |
| 124.242 | 0.0000 | 0.0000 | 81.807 | 0.22503 | 0.00000 | 602892.1 | 432795.3 | 0.0 | S |
| 124.250 | 0.0000 | 0.0000 | 81.807 | 0.22501 | 0.00000 | 602892.1 | 432802.1 | 0.0 | S |
| 124.258 | 0.0000 | 0.0000 | 81.807 | 0.22500 | 0.00000 | 602892.1 | 432808.8 | 0.0 | S |
| 124.267 | 0.0000 | 0.0000 | 81.807 | 0.22498 | 0.00000 | 602892.1 | 432815.6 | 0.0 | S |
| 124.275 | 0.0000 | 0.0000 | 81.807 | 0.22497 | 0.00000 | 602892.1 | 432822.3 | 0.0 | S |
| 124.283 | 0.0000 | 0.0000 | 81.806 | 0.22495 | 0.00000 | 602892.1 | 432829.1 | 0.0 | S |
| 124.292 | 0.0000 | 0.0000 | 81.806 | 0.22494 | 0.00000 | 602892.1 | 432835.8 | 0.0 | S |
| 124.300 | 0.0000 | 0.0000 | 81.806 | 0.22492 | 0.00000 | 602892.1 | 432842.6 | 0.0 | S |
| 124.308 | 0.0000 | 0.0000 | 81.806 | 0.22491 | 0.00000 | 602892.1 | 432849.3 | 0.0 | S |
| 124.317 | 0.0000 | 0.0000 | 81.806 | 0.22489 | 0.00000 | 602892.1 | 432856.1 | 0.0 | S |
| 124.325 | 0.0000 | 0.0000 | 81.806 | 0.22488 | 0.00000 | 602892.1 | 432862.8 | 0.0 | S |
| 124.333 | 0.0000 | 0.0000 | 81.806 | 0.22486 | 0.00000 | 602892.1 | 432869.6 | 0.0 | S |
| 124.342 | 0.0000 | 0.0000 | 81.806 | 0.22485 | 0.00000 | 602892.1 | 432876.3 | 0.0 | S |
| 124.350 | 0.0000 | 0.0000 | 81.805 | 0.22483 | 0.00000 | 602892.1 | 432883.1 | 0.0 | S |
| 124.358 | 0.0000 | 0.0000 | 81.805 | 0.22482 | 0.00000 | 602892.1 | 432889.8 | 0.0 | S |
| 124.367 | 0.0000 | 0.0000 | 81.805 | 0.22480 | 0.00000 | 602892.1 | 432896.6 | 0.0 | S |
| 124.375 | 0.0000 | 0.0000 | 81.805 | 0.22479 | 0.00000 | 602892.1 | 432903.3 | 0.0 | S |
| 124.383 | 0.0000 | 0.0000 | 81.805 | 0.22477 | 0.00000 | 602892.1 | 432910.1 | 0.0 | S |
| 124.392 | 0.0000 | 0.0000 | 81.805 | 0.22476 | 0.00000 | 602892.1 | 432916.8 | 0.0 | S |
| 124.400 | 0.0000 | 0.0000 | 81.805 | 0.22474 | 0.00000 | 602892.1 | 432923.5 | 0.0 | S |
| 124.408 | 0.0000 | 0.0000 | 81.805 | 0.22473 | 0.00000 | 602892.1 | 432930.3 | 0.0 | S |
| 124.417 | 0.0000 | 0.0000 | 81.805 | 0.22471 | 0.00000 | 602892.1 | 432937.0 | 0.0 | S |
| 124.425 | 0.0000 | 0.0000 | 81.804 | 0.22469 | 0.00000 | 602892.1 | 432943.8 | 0.0 | S |
| 124.433 | 0.0000 | 0.0000 | 81.804 | 0.22468 | 0.00000 | 602892.7 | 432950.5 | 0.0 | S |
| 124.442 | 0.0000 | 0.0000 | 81.804 | 0.22466 | 0.00000 | 602892.1 | 432957.3 | 0.0 | S |
| 124.450 | 0.0000 | 0.0000 | 81.804 | 0.22465 | 0.00000 | 602892.1 | 432964.0 | 0.0 | S |
| 124.458 | 0.0000 | 0.0000 | 81.804 | 0.22463 | 0.00000 | 602892.1 | 432970.7 | 0.0 | S |
| 124.467 | 0.0000 | 0.0000 | 81.804 | 0.22462 | 0.00000 | 602892.1 | 432977.5 | 0.0 | S |
| 124.475 | 0.0000 | 0.0000 | 81.804 | 0.22460 | 0.00000 | 602892.1 | 432984.2 | 0.0 | S |
| 124.483 | 0.0000 | 0.0000 | 81.804 | 0.22459 | 0.00000 | 602892.1 | 432990.9 | 0.0 | S |
| 124.492 | 0.0000 | 0.0000 | 81.803 | 0.22457 | 0.00000 | 602892.1 | 432997.7 | 0.0 | S |
| 124.500 | 0.0000 | 0.0000 | 81.803 | 0.22456 | 0.00000 | 602892.1 | 433004.4 | 0.0 | S |
| 124.508 | 0.0000 | 0.0000 | 81.803 | 0.22454 | 0.00000 | 602892.1 | 433011.2 | 0.0 | S |
| 124.517 | 0.0000 | 0.0000 | 81.803 | 0.22453 | 0.00000 | 602892.1 | 433017.9 | 0.0 | S |
| 124.525 | 0.0000 | 0.0000 | 81.803 | 0.22451 | 0.00000 | 602892.1 | 433024.6 | 0.0 | S |
| 124.533 | 0.0000 | 0.0000 | 81.803 | 0.22450 | 0.00000 | 602892.1 | 433031.3 | 0.0 | S |
| 124.542 | 0.0000 | 0.0000 | 81.803 | 0.22448 | 0.00000 | 602892.1 | 433038.1 | 0.0 | S |
| 124.550 | 0.0000 | 0.0000 | 81.803 | 0.22447 | 0.00000 | 602892.1 | 433044.8 | 0.0 | S |
| 124.558 | 0.0000 | 0.0000 | 81.802 | 0.22445 | 0.00000 | 602892.1 | 433051.6 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (fl datum) | infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overfiow Discharge ( $\mathrm{H1}^{3} / \mathrm{s}$ ) | $\begin{gathered} \text { Cumulative } \\ \text { Infow } \\ \text { Volume }\left(\mathrm{ff}^{3}\right) \end{gathered}$ | Cumulative Infiltration Volume ( $\mathrm{ft}^{2}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 124.567 | 0.0000 | 0.0000 | 81.802 | 0.22444 | 0.00000 | 602892.1 | 433058.3 | 0.0 | S |
| 124.575 | 0.0000 | 0.0000 | 81.802 | 0.22442 | 0.00000 | 602892.1 | 433065.0 | 0.0 | S |
| 124.583 | 0.0000 | 0.0000 | 81.802 | 0.22441 | 0.00000 | 602892.1 | 433071.8 | 0.0 | S |
| 124.592 | 0.0000 | 0.0000 | 81.802 | 0.22439 | 0.00000 | 602892.1 | 433078.5 | 0.0 | S |
| 124.600 | 0.0000 | 0.0000 | 81.802 | 0.22438 | 0.00000 | 602892.1 | 433085.2 | 0.0 | S |
| 124.608 | 0.0000 | 0.0000 | 81.802 | 0.22436 | 0.00000 | 602892.1 | 433091.9 | 0.0 | S |
| 124.617 | 0.0000 | 0.0000 | 81.802 | 0.22435 | 0.00000 | 602892.1 | 433098.7 | 0.0 | S |
| 124.625 | 0.0000 | 0.0000 | 81.802 | 0.22433 | 0.00000 | 602892.1 | 433105.4 | 0.0 | S |
| 124.633 | 0.0000 | 0.0000 | 81.801 | 0.22432 | 0.00000 | 602892.1 | 433112.1 | 0.0 | S |
| 124.642 | 0.0000 | 0.0000 | 81.801 | 0.22430 | 0.00000 | 602892.1 | 433118.9 | 0.0 | S |
| 124.650 | 0.0000 | 0.0000 | 81.801 | 0.22428 | 0.00000 | 602892.1 | 433125.6 | 0.0 | S |
| 124.658 | 0.0000 | 0.0000 | 81.801 | 0.22427 | 0.00000 | 602892.1 | 433132.3 | 0.0 | S |
| 124.667 | 0.0000 | 0.0000 | 81.801 | 0.22425 | 0.00000 | 602892.1 | 433139.1 | 0.0 | S |
| 124.675 | 0.0000 | 0.0000 | 81.801 | 0.22424 | 0.00000 | 602892.1 | 433145.8 | 0.0 | S |
| 124.683 | 0.0000 | 0.0000 | 81.801 | 0.22422 | 0.00000 | 602892.1 | 433152.5 | 0.0 | S |
| 124.692 | 0.0000 | 0.0000 | 81.801 | 0.22421 | 0.00000 | 602892.1 | 433159.2 | 0.0 | S |
| 124.700 | 0.0000 | 0.0000 | 81.800 | 0.22419 | 0.00000 | 602892.1 | 433166.0 | 0.0 | S |
| 124.708 | 0.0000 | 0.0000 | 81.800 | 0.22418 | 0.00000 | 602892.1 | 433172.7 | 0.0 | S |
| 124.717 | 0.0000 | 0.0000 | 81.800 | 0.22416 | 0.00000 | 602892.1 | 433179.4 | 0.0 | S |
| 124.725 | 0.0000 | 0.0000 | 81.800 | 0.22415 | 0.00000 | 602892.1 | 433186.1 | 0.0 | S |
| 124.733 | 0.0000 | 0.0000 | 81.800 | 0.22413 | 0.00000 | 602892.1 | 433192.8 | 0.0 | S |
| 124.742 | 0.0000 | 0.0000 | 81.800 | 0.22412 | 0.00000 | 602892.1 | 433199.6 | 0.0 | S |
| 124.750 | 0.0000 | 0.0000 | 81.800 | 0.22410 | 0.00000 | 602892.1 | 433206.3 | 0.0 | S |
| 124.758 | 0.0000 | 0.0000 | 81.800 | 0.22409 | 0.00000 | 602892.1 | 433213.0 | 0.0 | S |
| 124.767 | 0.0000 | 0.0000 | 81.800 | 0.22407 | 0.00000 | 602892.1 | 433219.8 | 0.0 | S |
| 124.775 | 0.0000 | 0.0000 | 81.799 | 0.22406 | 0.00000 | 602892.1 | 433226.5 | 0.0 | S |
| 124.783 | 0.0000 | 0.0000 | 81.799 | 0.22404 | 0.00000 | 602892.1 | 433233.2 | 0.0 | S |
| 124.792 | 0.0000 | 0.0000 | 81.799 | 0.22403 | 0.00000 | 602892.1 | 433239.9 | 0.0 | S |
| 124.800 | 0.0000 | 0.0000 | 81.799 | 0.22401 | 0.00000 | 602892.1 | 433246.6 | 0.0 | S |
| 124.808 | 0.0000 | 0.0000 | 81.799 | 0.22400 | 0.00000 | 602892.1 | 433253.3 | 0.0 | S |
| 124.817 | 0.0000 | 0.0000 | 81.799 | 0.22398 | 0.00000 | 602892.1 | 433260.1 | 0.0 | S |
| 124.825 | 0.0000 | 0.0000 | 81.799 | 0.22397 | 0.00000 | 602892.1 | 433266.8 | 0.0 | S |
| 124.833 | 0.0000 | 0.0000 | 81.799 | 0.22395 | 0.00000 | 602892.1 | 433273.5 | 0.0 | S |
| 124.842 | 0.0000 | 0.0000 | 81.798 | 0.22394 | 0.00000 | 602892.1 | 433280.2 | 0.0 | S |
| 124.850 | 0.0000 | 0.0000 | 81.798 | 0.22392 | 0.00000 | 602892.1 | 433286.9 | 0.0 | S |
| 124.858 | 0.0000 | 0.0000 | 81.798 | 0.22391 | 0.00000 | 602892.1 | 433293.7 | 0.0 | S |
| 124.867 | 0.0000 | 0.0000 | 81.798 | 0.22389 | 0.00000 | 602892.1 | 433300.4 | 0.0 | S |
| 124.875 | 0.0000 | 0.0000 | 81.798 | 0.22388 | 0.00000 | 602892.1 | 433307.1 | 0.0 | S |
| 124.883 | 0.0000 | 0.0000 | 81.798 | 0.22386 | 0.00000 | 602892.1 | 433313.8 | 0.0 | S |
| 124.892 | 0.0000 | 0.0000 | 81.798 | 0.22385 | 0.00000 | 602892.1 | 433320.5 | 0.0 | S |
| 124.900 | 0.0000 | 0.0000 | 81.798 | 0.22383 | 0.00000 | 602892.1 | 433327.3 | 0.0 | S |
| 124.908 | 0.0000 | 0.0000 | 81.797 | 0.22382 | 0.00000 | 602892.1 | 433334.0 | 0.0 | S |
| 124.917 | 0.0000 | 0.0000 | 81.797 | 0.22380 | 0.00000 | 602892.1 | 433340.7 | 0.0 | S |
| 124.925 | 0.0000 | 0.0000 | 81.797 | 0.22379 | 0.00000 | 602892.1 | 433347.4 | 0.0 | S |
| 124.933 | 0.0000 | 0.0000 | 81.797 | 0.22377 | 0.00000 | 602892.1 | 433354.1 | 0.0 | S |
| 124.942 | 0.0000 | 0.0000 | 81.797 | 0.22376 | 0.00000 | 602892.1 | 433360.8 | 0.0 | S |
| 124.950 | 0.0000 | 0.0000 | 81.797 | 0.22374 | 0.00000 | 602892.1 | 433367.5 | 0.0 | S |
| 124.958 | 0.0000 | 0.0000 | 81.797 | 0.22373 | 0.00000 | 602892.1 | 433374.3 | 0.0 | S |
| 124.967 | 0.0000 | 0.0000 | 81.797 | 0.22371 | 0.00000 | 602892.1 | 433381.0 | 0.0 | S |
| 124.975 | 0.0000 | 0.0000 | 81.797 | 0.22370 | 0.00000 | 602892.1 | 433387.7 | 0.0 | S |
| 124.983 | 0.0000 | 0.0000 | 81.796 | 0.22368 | 0.00000 | 602892.1 | 433394.4 | 0.0 | S |
| 124.992 | 0.0000 | 0.0000 | 81.796 | 0.22367 | 0.00000 | 602892.1 | 433401.1 | 0.0 | S |
| 125.000 | 0.0000 | 0.0000 | 81.796 | 0.22365 | 0.00000 | 602892.1 | 433407.8 | 0.0 | S |
| 125.008 | 0.0000 | 0.0000 | 81.796 | 0.22364 | 0.00000 | 602892.1 | 433414.5 | 0.0 | S |
| 125.017 | 0.0000 | 0.0000 | 81.796 | 0.22362 | 0.00000 | 602892.1 | 433421.2 | 0.0 | S |
| 125.025 | 0.0000 | 0.0000 | 81.796 | 0.22361 | 0.00000 | 602892.1 | 433427.9 | 0.0 | S |
| 125.033 | 0.0000 | 0.0000 | 81.796 | 0.22359 | 0.00000 | 602892.1 | 433434.6 | 0.0 | S |
| 125.042 | 0.0000 | 0.0000 | 81.796 | 0.22357 | 0.00000 | 602892.1 | 433441.3 | 0.0 | S |
| 125.050 | 0.0000 | 0.0000 | 81.795 | 0.22356 | 0.00000 | 602892.1 | 433448.0 | 0.0 | S |
| 125.058 | 0.0000 | 0.0000 | 81.795 | 0.22354 | 0.00000 | 602892.1 | 433454.8 | 0.0 | S |
| 125.067 | 0.0000 | 0.0000 | 81.795 | 0.22353 | 0.00000 | 602892.1 | 433461.5 | 0.0 | S |
| 125.075 | 0.0000 | 0.0000 | 81.795 | 0.22351 | 0.00000 | 602892.1 | 433468.2 | 0.0 | S |
| 125.083 | 0.0000 | 0.0000 | 81.795 | 0.22350 | 0.00000 | 602892.1 | 433474.9 | 0.0 | S |
| 125.092 | 0.0000 | 0.0000 | 81.795 | 0.22348 | 0.00000 | 602892.1 | 433481.6 | 0.0 | S |
| 125.100 | 0.0000 | 0.0000 | 81.795 | 0.22347 | 0.00000 | 602892.1 | 433488.3 | 0.0 | S |
| 125.108 | 0.0000 | 0.0000 | 81.795 | 0.22345 | 0.00000 | 602892.1 | 433495.0 | 0.0 | S |
| 125.117 | 0.0000 | 0.0000 | 81.794 | 0.22344 | 0.00000 | 602892.1 | 433501.7 | 0.0 | S |
| 125.125 | 0.0000 | 0.0000 | 81.794 | 0.22342 | 0.00000 | 602892.1 | 433508.4 | 0.0 | S |
| 125.133 | 0.0000 | 0.0000 | 81.794 | 0.22341 | 0.00000 | 602892.1 | 433515.1 | 0.0 | S |
| 125.142 | 0.0000 | 0.0000 | 81.794 | 0.22339 | 0.00000 | 602892.1 | 433521.8 | 0.0 | S |
| 125.150 | 0.0000 | 0.0000 | 81.794 | 0.22338 | 0.00000 | 602892.1 | 433528.5 | 0.0 | S |
| 125.158 | 0.0000 | 0.0000 | 81.794 | 0.22336 | 0.00000 | 602892.1 | 433535.2 | 0.0 | S |
| 125.167 | 0.0000 | 0.0000 | 81.794 | 0.22335 | 0.00000 | 602892.1 | 433541.9 | 0.0 | S |
| 125.175 | 0.0000 | 0.0000 | 81.794 | 0.22333 | 0.00000 | 602892.1 | 433548.6 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
: Scenario 1
$\because$ po
pond 9100 year $/ 24$ hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | infiltration Rate (ft1/s) | Overlow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume (ft ${ }^{3}$ ) | Cumulative Infiltration Volume (ft ${ }^{3}$ ) | Cumulative <br> Discharge <br> Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 125.183 | 0.0000 | 0.0000 | 81.794 | 0.22332 | 0.00000 | 602892.1 | 433555.3 | 0.0 | S |
| 125.192 | 0.0000 | 0.0000 | 81.793 | 0.22330 | 0.00000 | 602892.1 | 433562.0 | 0.0 | S |
| 125.200 | 0.0000 | 0.0000 | 81.793 | 0.22329 | 0.00000 | 602892.1 | 433568.7 | 0.0 | S |
| 125.208 | 0.0000 | 0.0000 | 81.793 | 0.22327 | 0.00000 | 602892.1 | 433575.4 | 0.0 | S |
| 125.217 | 0.0000 | 0.0000 | 81.793 | 0.22326 | 0.00000 | 602892.1 | 433582.1 | 0.0 | S |
| 125.225 | 0.0000 | 0.0000 | 81.793 | 0.22324 | 0.00000 | 602892.1 | 433588.8 | 0.0 | S |
| 125.233 | 0.0000 | 0.0000 | 81.793 | 0.22323 | 0.00000 | 602892.1 | 433595.5 | 0.0 | S |
| 125.242 | 0.0000 | 0.0000 | 81.793 | 0.22321 | 0.00000 | 602892.1 | 433602.2 | 0.0 | S |
| 125.250 | 0.0000 | 0.0000 | 81.793 | 0.22320 | 0.00000 | 602892.1 | 433608.9 | 0.0 | S |
| 125.258 | 0.0000 | 0.0000 | 81.792 | 0.22318 | 0.00000 | 602892.1 | 433615.6 | 0.0 | S |
| 125.267 | 0.0000 | 0.0000 | 81.792 | 0.22317 | 0.00000 | 602892.1 | 433622.3 | 0.0 | S |
| 125.275 | 0.0000 | 0.0000 | 81.792 | 0.22315 | 0.00000 | 602892.1 | 433629.0 | 0.0 | S |
| 125.283 | 0.0000 | 0.0000 | 81.792 | 0.22314 | 0.00000 | 602892.1 | 433635.7 | 0.0 | S |
| 125.292 | 0.0000 | 0.0000 | 81.792 | 0.22312 | 0.00000 | 602892.1 | 433642.3 | 0.0 | S |
| 125.300 | 0.0000 | 0.0000 | 81.792 | 0.22311 | 0.00000 | 602892.1 | 433649.0 | 0.0 | S |
| 125.308 | 0.0000 | 0.0000 | 81.792 | 0.22309 | 0.00000 | 602892.1 | 433655.8 | 0.0 | S |
| 125.317 | 0.0000 | 0.0000 | 81.792 | 0.22308 | 0.00000 | 602892.1 | 433662.4 | 0.0 | S |
| 125.325 | 0.0000 | 0.0000 | 81.792 | 0.22306 | 0.00000 | 602892.1 | 433669.1 | 0.0 | S |
| $\ddagger 25.333$ | 0.0000 | 0.0000 | 81.791 | 0.22305 | 0.00000 | 602892.1 | 433675.8 | 0.0 | 5 |
| 125.342 | 0,0000 | 0.0000 | 81.791 | 0.22303 | 0.00000 | 602892.1 | 433682.5 | 0.0 | 5 |
| 125.350 | 0.0000 | 0.0000 | 81.791 | 0.22302 | 0.00000 | 602892.1 | 433689.2 | 0.0 | S |
| 125,358 | 0.0000 | 0.0000 | 81.791 | 0.22300 | 0.00000 | 602892.1 | 433695.9 | 0.0 | S |
| 125.367 | 0.0000 | 0.0000 | 81.791 | 0.22299 | 0.00000 | 602892.1 | 433702.6 | 0.0 | S |
| 125.375 | 0.0000 | 0.0000 | 81.791 | 0.22297 | 0.00000 | 602892.1 | 433709.3 | 0.0 | S |
| 125.383 | 0.0000 | 0.0000 | 81.791 | 0.22296 | 0.00000 | 602892.1 | 433716.0 | 0.0 | S |
| 125.392 | 0.0000 | 0.0000 | 81.791 | 0.22294 | 0.00000 | 602892.1 | 433722.7 | 0.0 | S |
| 125.400 | 0.0000 | 0.0000 | 81.790 | 0.22293 | 0.00000 | 602892.1 | 433729.3 | 0.0 | S |
| 125.408 | 0.0000 | 0.0000 | 81.790 | 0.22291 | 0.00000 | 602892.1 | 433736.0 | 0.0 | S |
| 125.417 | 0.0000 | 0.0000 | 81.790 | 0.22290 | 0.00000 | 602892.1 | 433742.7 | 0.0 | S |
| 125.425 | 0.0000 | 0.0000 | 81.790 | 0.22288 | 0.00000 | 602892.1 | 433749.4 | 0.0 | S |
| 125.433 | 0.0000 | 0.0000 | 81.790 | 0.22287 | 0.00000 | 602892.1 | 433756.1 | 0.0 | S |
| 125.442 | 0.0000 | 0.0000 | 81.790 | 0.22285 | 0.00000 | 602892.1 | 433762.8 | 0.0 | S |
| 125.450 | 0.0000 | 0.0000 | 81.790 | 0.22284 | 0.00000 | 602892.1 | 433769.4 | 0.0 | S |
| 125.458 | 0.0000 | 0.0000 | 81.790 | 0.22282 | 0.00000 | 602892.1 | 433776.1 | 0.0 | S |
| 125.467 | 0.0000 | 0.0000 | 81.789 | 0.22281 | 0.00000 | 602892.1 | 433782.8 | 0.0 | S |
| 125.475 | 0.0000 | 0.0000 | 81.789 | 0.22279 | 0.00000 | 602892.1 | 433789.5 | 0.0 | S |
| 125.483 | 0.0000 | 0.0000 | 81.789 | 0.22278 | 0.00000 | 602892.1 | 433796.2 | 0.0 | S |
| 125.492 | 0.0000 | 0.0000 | 81.789 | 0.22276 | 0.00000 | 602892.1 | 433802.9 | 0.0 | S |
| 125.500 | 0.0000 | 0.0000 | 81.789 | 0.22275 | 0.00000 | 602892.1 | 433809.6 | 0.0 | S |
| 125.508 | 0.0000 | 0.0000 | 81.789 | 0.22273 | 0.00000 | 602892.1 | 433816.3 | 0.0 | S |
| 125.517 | 0.0000 | 0.0000 | 81.789 | 0.22272 | 0.00000 | 602892.1 | 433822.9 | 0.0 | S |
| 125.525 | 0.0000 | 0.0000 | 81.789 | 0.22270 | 0.00000 | 602892.1 | 433829.6 | 0.0 | S |
| 125.533 | 0.0000 | 0.0000 | 81.789 | 0.22269 | 0.00000 | 602892.1 | 433836.3 | 0.0 | S |
| 125.542 | 0.0000 | 0.0000 | 81.788 | 0.22267 | 0.00000 | 602892.1 | 433843.0 | 0.0 | 5 |
| 125.550 | 0.0000 | 0.0000 | 81.788 | 0.22266 | 0.00000 | 602892.1 | 433849.6 | 0.0 | 5 |
| 125.558 | 0.0000 | 0.0000 | 81.788 | 0.22264 | 0.00000 | 602892.1 | 433856.3 | 0.0 | S |
| 125.567 | 0.0000 | 0.0000 | 81.788 | 0.22263 | 0.00000 | 602892.1 | 433863.0 | 0.0 | S |
| 125.575 | 0.0000 | 0.0000 | 8 1.788 | 0.22261 | 0.00000 | 602892.1 | 433869.7 | 0.0 | S |
| 125.583 | 0.0000 | 0.0000 | 81.788 | 0.22260 | 0.00000 | 602892.1 | 433876.3 | 0.0 | S |
| 125.592 | 0.0000 | 0.0000 | 81.788 | 0.22258 | 0.00000 | 602892.1 | 433883.0 | 0.0 | S |
| 125.600 | 0.0000 | 0.0000 | 81.788 | 0.22257 | 0.00000 | 602892.1 | 433889.7 | 0.0 | S |
| 125.608 | 0.0000 | 0.0000 | 81.787 | 0.22255 | 0.00000 | 602892.1 | 433896.4 | 0.0 | S |
| 125.617 | 0.0000 | 0.0000 | 81.787 | 0.22254 | 0.00000 | 602892.1 | 433903.1 | 0.0 | S |
| 125.625 | 0.0000 | 0.0000 | 81.787 | 0.22253 | 0.00000 | 602892.1 | 433909.8 | 0.0 | S |
| 125.633 | 0.0000 | 0.0000 | 81.787 | 0.22251 | 0.00000 | 602892.1 | 433916.4 | 0.0 | S |
| 125.642 | 0.0000 | 0.0000 | 81.787 | 0.22250 | 0.00000 | 602892.1 | 433923.1 | 0.0 | S |
| 125.650 | 0.0000 | 0.0000 | 81.787 | 0.22248 | 0.00000 | 602892.1 | 433929.8 | 0.0 | S |
| 125.658 | 0.0000 | 0.0000 | 81.787 | 0.22247 | 0.00000 | 602892.1 | 433936.4 | 0.0 | S |
| 125.667 | 0.0000 | 0.0000 | 81.787 | 0.22245 | 0.00000 | 602892.1 | 433943.1 | 0.0 | S |
| 125.675 | 0.0000 | 0.0000 | 81.786 | 0.22244 | 0.00000 | 602892.1 | 433949.8 | 0.0 | S |
| 125.683 | 0.0000 | 0.0000 | 81.786 | 0.22242 | 0.00000 | 602892.1 | 433956.5 | 0.0 | S |
| 125.692 | 0.0000 | 0.0000 | 81.786 | 0.22241 | 0.00000 | 602892.1 | 433963.1 | 0.0 | S |
| 125.700 | 0.0000 | 0.0000 | 81.786 | 0.22239 | 0.00000 | 602892.1 | 433969.8 | 0.0 | S |
| 125.708 | 0.0000 | 0.0000 | 81.786 | 0.22238 | 0.00000 | 602892.1 | 433976.5 | 0.0 | S |
| 125.717 | 0.0000 | 0.0000 | 81.786 | 0.22236 | 0.00000 | 602892.1 | 433983.2 | 0.0 | S |
| 125.725 | 0.0000 | 0.0000 | 81.786 | 0.22235 | 0.00000 | 602892.1 | 433989.8 | 0.0 | S |
| 125.733 | 0.0000 | 0.0000 | 81.786 | 0.22233 | 0.00000 | 602892.1 | 433996.5 | 0.0 | S |
| 125.742 | 0.0000 | 0.0000 | 81.786 | 0.22232 | 0.00000 | 602892.1 | 434003.2 | 0.0 | S |
| 125.750 | 0.0000 | 0.0000 | 81.785 | 0.22230 | 0.00000 | 602892.1 | 434009.8 | 0.0 | S |
| 125.758 | 0.0000 | 0.0000 | 81.785 | 0.22229 | 0.00000 | 602892.1 | 434016.5 | 0.0 | S |
| 125.767 | 0.0000 | 0.0000 | 81.785 | 0.22227 | 0.00000 | 602892.1 | 434023.2 | 0.0 | S |
| 125.775 | 0.0000 | 0.0000 | 81.785 | 0.22226 | 0.00000 | 602892.1 | 434029.8 | 0.0 | S |
| 125.783 | 0.0000 | 0.0000 | 81.785 | 0.22224 | 0.00000 | 602892.1 | 434036.5 | 0.0 | S |
| 125.792 | 0.0000 | 0.0000 | 81.785 | 0.22223 | 0.00000 | 602892.1 | 434043.2 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario $1::$ pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Infiow Rate ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (fl datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Votume (ft ${ }^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | $\begin{aligned} & \text { Flow } \\ & \text { Type } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 125.800 | 0.0000 | 0.0000 | 81.785 | 0.22221 | 0.00000 | 602892.1 | 434049.8 | 0.0 | S |
| 125.808 | 0.0000 | 0.0000 | 81.785 | 0.22220 | 0.00000 | 602892.1 | 434056.5 | 0.0 | S |
| 125.817 | 0.0000 | 0.0000 | 81.784 | 0.22218 | 0.00000 | 602892.1 | 434063.2 | 0.0 | S |
| 125.825 | 0.0000 | 0.0000 | 81.784 | 0.22217 | 0.00000 | 602892.1 | 434069.8 | 0.0 | S |
| 125.833 | 0.0000 | 0.0000 | 81.784 | 0.22215 | 0.00000 | 602892.1 | 434076.5 | 0.0 | S |
| 125.842 | 0.0000 | 0.0000 | 81.784 | 0.22214 | 0.00000 | 602892.1 | 434083.2 | 0.0 | S |
| 125.850 | 0.0000 | 0.0000 | 81.784 | 0.22212 | 0.00000 | 602892.1 | 434089.8 | 0.0 | S |
| 125.858 | 0.0000 | 0.0000 | 81.784 | 0.22211 | 0.00000 | 602892.1 | 434096.5 | 0.0 | S |
| 125.867 | 0.0000 | 0.0000 | 81.784 | 0.22209 | 0.00000 | 602892.1 | 434103.2 | 0.0 | S |
| 125.875 | 0.0000 | 0.0000 | 81.784 | 0.22208 | 0.00000 | 602892.1 | 434109.8 | 0.0 | S |
| 125.883 | 0.0000 | 0.0000 | 81.784 | 0.22206 | 0.00000 | 602892.1 | 434116.5 | 0.0 | S |
| 125.892 | 0.0000 | 0.0000 | 81.783 | 0.22205 | 0.00000 | 602892.1 | 434123.1 | 0.0 | S |
| 125.900 | 0.0000 | 0.0000 | 81.783 | 0.22203 | 0.00000 | 602892.1 | 434129.8 | 0.0 | S |
| 125.908 | 0.0000 | 0.0000 | 81.783 | 0.22202 | 0.00000 | 602892.1 | 434136.5 | 0.0 | S |
| 125.917 | 0.0000 | 0.0000 | 81.783 | 0.22200 | 0.00000 | 602892.1 | 434143.1 | 0.0 | S |
| 125.925 | 0.0000 | 0.0000 | 81.783 | 0.22199 | 0.00000 | 602892.1 | 434149.8 | 0.0 | S |
| 125.933 | 0.0000 | 0.0000 | 81.783 | 0.22197 | 0.00000 | 602892.1 | 434156.4 | 0.0 | S |
| 125.942 | 0.0000 | 0.0000 | 81.783 | 0.22196 | 0.00000 | 602892.1 | 434163.1 | 0.0 | S |
| 125.950 | 0.0000 | 0.0000 | 81.783 | 0.22194 | 0.00000 | 602892.1 | 434169.8 | 0.0 | S |
| 125.958 | 0.0000 | 0.0000 | 81.782 | 0.22193 | 0.00000 | 602892.1 | 434176.4 | 0.0 | S |
| 125.967 | 0.0000 | 0.0000 | 81.782 | 0.22191 | 0.00000 | 602892.1 | 434183.1 | 0.0 | S |
| 125.975 | 0.0000 | 0.0000 | 81.782 | 0.22190 | 0.00000 | 602892.1 | 434189.7 | 0.0 | S |
| 125.983 | 0.0000 | 0.0000 | 81.782 | 0.22188 | 0.00000 | 602892.1 | 434196.4 | 0.0 | S |
| 125.992 | 0.0000 | 0.0000 | 81.782 | 0.22187 | 0.00000 | 602892.1 | 434203.0 | 0.0 | S |
| 126.000 | 0.0000 | 0.0000 | 81.782 | 0.22186 | 0.00000 | 602892.1 | 434209.7 | 0.0 | S |
| 126.008 | 0.0000 | 0.0000 | 81.782 | 0.22184 | 0.00000 | 602892.1 | 434216.3 | 0.0 | S |
| 126.017 | 0.0000 | 0.0000 | 81.782 | 0.22183 | 0.00000 | 602892.1 | 434223.0 | 0.0 | S |
| 126.025 | 0.0000 | 0.0000 | 81.782 | 0.22181 | 0.00000 | 602892.1 | 434229.7 | 0.0 | S |
| 126.033 | 0.0000 | 0.0000 | 81.781 | 0.22180 | 0.00000 | 602892.1 | 434236.3 | 0.0 | S |
| 126.042 | 0.0000 | 0.0000 | 81.781 | 0.22178 | 0.00000 | 602892.1 | 434243.0 | 0.0 | S |
| 126.050 | 0.0000 | 0.0000 | 81.781 | 0.22177 | 0.00000 | 602892.1 | 434249.6 | 0.0 | S |
| 126.058 | 0.0000 | 0.0000 | 81.781 | 0.22175 | 0.00000 | 602892.1 | 434256.3 | 0.0 | S |
| 126.067 | 0.0000 | 0.0000 | 81.781 | 0.22174 | 0.00000 | 602892.1 | 434262.9 | 0.0 | S |
| 126.075 | 0.0000 | 0.0000 | 81.781 | 0.22172 | 0.00000 | 602892.1 | 434269.6 | 0.0 | S |
| 126.083 | 0.0000 | 0.0000 | 81.781 | 0.22171 | 0.00000 | 602892.1 | 434276.2 | 0.0 | S |
| 126.092 | 0.0000 | 0.0000 | 81.781 | 0.22169 | 0.00000 | 602892.1 | 434282.9 | 0.0 | S |
| 126.100 | 0.0000 | 0.0000 | 81.780 | 0.22168 | 0.00000 | 602892.1 | 434289.5 | 0.0 | S |
| 126.108 | 0.0000 | 0.0000 | 81.780 | 0.22166 | 0.00000 | 602892.1 | 434296.2 | 0.0 | S |
| 126.117 | 0.0000 | 0.0000 | 81.780 | 0.22165 | 0.00000 | 602892.1 | 434302.8 | 0.0 | S |
| 126.125 | 0.0000 | 0.0000 | 81.780 | 0.22163 | 0.00000 | 602892.1 | 434309.5 | 0.0 | S |
| 126.133 | 0.0000 | 0.0000 | 81.780 | 0.22162 | 0.00000 | 602892.1 | 434316.1 | 0.0 | S |
| 126.142 | 0.0000 | 0.0000 | 81.780 | 0.22160 | 0.00000 | 602892.1 | 434322.8 | 0.0 | S |
| 126.150 | 0.0000 | 0.0000 | 81.780 | 0.22159 | 0.00000 | 602892.1 | 434329.4 | 0.0 | S |
| 126.158 | 0.0000 | 0.0000 | 81.780 | 0.22157 | 0.00000 | 602892.1 | 434336.1 | 0.0 | S |
| 126.167 | 0.0000 | 0.0000 | 81.779 | 0.22156 | 0.00000 | 602892.1 | 434342.7 | 0.0 | S |
| 126.175 | 0.0000 | 0.0000 | 81.779 | 0.22154 | 0.00000 | 602892.1 | 434349.4 | 0.0 | S |
| 126.183 | 0.0000 | 0.0000 | 81.779 | 0.22153 | 0.00000 | 602892.1 | 434356.0 | 0.0 | S |
| 126.192 | 0.0000 | 0.0000 | 81.779 | 0.22151 | 0.00000 | 602892.1 | 434362.7 | 0.0 | S |
| 126.200 | 0.0000 | 0.0000 | 81.779 | 0.22150 | 0.00000 | 602892.1 | 434369.3 | 0.0 | S |
| 126.208 | 0.0000 | 0.0000 | 81.779 | 0.22148 | 0.00000 | 602892.1 | 434375.9 | 0.0 | S |
| 126.217 | 0.0000 | 0.0000 | 81.779 | 0.22147 | 0.00000 | 602892.1 | 434382.6 | 0.0 | S |
| 126.225 | 0.0000 | 0.0000 | 81.779 | 0.22145 | 0.00000 | 602892.1 | 434389.3 | 0.0 | S |
| 126.233 | 0.0000 | 0.0000 | 81.779 | 0.22144 | 0.00000 | 602892.1 | 434395.9 | 0.0 | S |
| 126.242 | 0.0000 | 0.0000 | 81.778 | 0.22143 | 0.00000 | 602892.1 | 434402.5 | 0.0 | S |
| 126.250 | 0.0000 | 0.0000 | 81.778 | 0.22141 | 0.00000 | 602892.1 | 434409.2 | 0.0 | S |
| 126.258 | 0.0000 | 0.0000 | 81.778 | 0.22140 | 0.00000 | 602892.1 | 434415.8 | 0.0 | S |
| 126.267 | 0.0000 | 0.0000 | 81.778 | 0.22138 | 0.00000 | 602892.1 | 434422.4 | 0.0 | S |
| 126.275 | 0.0000 | 0.0000 | 81.778 | 0.22137 | 0.00000 | 602892.1 | 434429.1 | 0.0 | S |
| 126.283 | 0.0000 | 0.0000 | 81.778 | 0.22135 | 0.00000 | 602892.1 | 434435.7 | 0.0 | S |
| 126.292 | 0.0000 | 0.0000 | 81.778 | 0.22134 | 0.00000 | 602892.1 | 434442.4 | 0.0 | S |
| 126.300 | 0.0000 | 0.0000 | 81.778 | 0.22132 | 0.00000 | 602892.1 | 434449.0 | 0.0 | S |
| 126.308 | 0.0000 | 0.0000 | 81.777 | 0.22131 | 0.00000 | 602892.1 | 434455.7 | 0.0 | S |
| 126.317 | 0.0000 | 0.0000 | 81.777 | 0.22129 | 0.00000 | 602892.1 | 434462.3 | 0.0 | S |
| 126.325 | 0.0000 | 0.0000 | 81.777 | 0.22128 | 0.00000 | 602892.1 | 434468.9 | 0.0 | S |
| 126.333 | 0.0000 | 0.0000 | 81.777 | 0.22126 | 0.00000 | 602892.1 | 434475.6 | 0.0 | S |
| 126.342 | 0.0000 | 0.0000 | 81.777 | 0.22125 | 0.00000 | 602892.1 | 434482.2 | 0.0 | S |
| 126.350 | 0.0000 | 0.0000 | 81.777 | 0.22123 | 0.00000 | 602892.1 | 434488.8 | 0.0 | S |
| 126.358 | 0.0000 | 0.0000 | 81.777 | 0.22122 | 0.00000 | 602892.1 | 434495.5 | 0.0 | S |
| 126.367 | 0.0000 | 0.0000 | 81.777 | 0.22120 | 0.00000 | 602892.1 | 434502.1 | 0.0 | S |
| 126.375 | 0.0000 | 0.0000 | 81.777 | 0.22119 | 0.00000 | 602892.1 | 434508.8 | 0.0 | S |
| 126.383 | 0.0000 | 0.0000 | 81.776 | 0.22117 | 0.00000 | 602892.1 | 434515.4 | 0.0 | S |
| 126.392 | 0.0000 | 0.0000 | 81.776 | 0.22116 | 0.00000 | 602892.1 | 434522.0 | 0.0 | S |
| 126.400 | 0.0000 | 0.0000 | 81.776 | 0.22114 | 0.00000 | 602892.1 | 434528.7 | 0.0 | S |
| 126.408 | 0.0000 | 0.0000 | 81.776 | 0.22113 | 0.00000 | 602892.1 | 434535.3 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 /} / \mathrm{s}$ ) | Outside Recharge (fidday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 126.417 | 0.0000 | 0.0000 | 81.776 | 0.22112 | 0.00000 | 602892.1 | 434541.9 | 0.0 | S |
| 126.425 | 0.0000 | 0.0000 | 81.776 | 0.22110 | 0.00000 | 602892.1 | 434548.6 | 0.0 | S |
| 126.433 | 0.0000 | 0.0000 | 81.776 | 0.22109 | 0.00000 | 602892.1 | 434555.2 | 0.0 | S |
| 126.442 | 0.0000 | 0.0000 | 81.776 | 0.22107 | 0.00000 | 602892.1 | 434561.8 | 0.0 | S |
| 126.450 | 0.0000 | 0.0000 | 81.775 | 0.22106 | 0.00000 | 602892.1 | 434568.5 | 0.0 | S |
| 126.458 | 0.0000 | 0.0000 | 81.775 | 0.22104 | 0.00000 | 602892.1 | 434575.1 | 0.0 | S |
| 126.467 | 0.0000 | 0.0000 | 81.775 | 0.22103 | 0.00000 | 602892.1 | 434581.7 | 0.0 | S |
| 126.475 | 0.0000 | 0.0000 | 81.775 | 0.22101 | 0.00000 | 602892.1 | 434588.3 | 0.0 | S |
| 126.483 | 0.0000 | 0.0000 | 81.775 | 0.22100 | 0.00000 | 602892.1 | 434595.0 | 0.0 | S |
| 126.492 | 0.0000 | 0.0000 | 81.775 | 0.22098 | 0.00000 | 602892.1 | 434601.6 | 0.0 | S |
| 126.500 | 0.0000 | 0.0000 | 81.775 | 0.22097 | 0.00000 | 602892.1 | 434608.3 | 0.0 | S |
| 126.508 | 0.0000 | 0.0000 | 81.775 | 0.22095 | 0.00000 | 602892.1 | 434614.9 | 0.0 | S |
| 126.517 | 0.0000 | 0.0000 | 81.775 | 0.22094 | 0.00000 | 602892.1 | 434621.5 | 0.0 | S |
| 126.525 | 0.0000 | 0.0000 | 81.774 | 0.22092 | 0.00000 | 602892.1 | 434628.1 | 0.0 | S |
| 126.533 | 0.0000 | 0.0000 | 81.774 | 0.22091 | 0.00000 | 602892.1 | 434634.8 | 0.0 | S |
| 126.542 | 0.0000 | 0.0000 | 81.774 | 0.22089 | 0.00000 | 602892.1 | 434641.4 | 0.0 | S |
| 126.550 | 0.0000 | 0.0000 | 81.774 | 0.22088 | 0.00000 | 602892.1 | 434648.0 | 0.0 | S |
| 126.558 | 0.0000 | 0.0000 | 81.774 | 0.22086 | 0.00000 | 602892.1 | 434654.6 | 0.0 | S |
| 126.567 | 0.0000 | 0.0000 | 81.774 | 0.22085 | 0.00000 | 602892.1 | 434661.3 | 0.0 | S |
| 126.575 | 0.0000 | 0.0000 | 81.774 | 0.22084 | 0.00000 | 602892.1 | 434667.9 | 0.0 | S |
| 126.583 | 0.0000 | 0.0000 | 81.774 | 0.22082 | 0.00000 | 602892.1 | 434674.5 | 0.0 | S |
| 126.592 | 0.0000 | 0.0000 | 81.773 | 0.22081 | 0.00000 | 602892.1 | 434681.1 | 0.0 | S |
| 126.600 | 0.0000 | 0.0000 | 81.773 | 0.22079 | 0.00000 | 602892.1 | 434687.8 | 0.0 | S |
| 126.608 | 0.0000 | 0.0000 | 81.773 | 0.22078 | 0.00000 | 602892.1 | 434694.4 | 0.0 | S |
| 126.617 | 0.0000 | 0.0000 | 81.773 | 0.22076 | 0.00000 | 602892.1 | 434701.0 | 0.0 | S |
| 126.625 | 0.0000 | 0.0000 | 81.773 | 0.22075 | 0.00000 | 602892.1 | 434707.6 | 0.0 | S |
| 126.633 | 0.0000 | 0.0000 | 81.773 | 0.22073 | 0.00000 | 602892.1 | 434714.3 | 0.0 | S |
| 126.642 | 0.0000 | 0.0000 | 81.773 | 0.22072 | 0.00000 | 602892.1 | 434720.9 | 0.0 | S |
| 126.650 | 0.0000 | 0.0000 | 81.773 | 0.22070 | 0.00000 | 602892.1 | 434727.5 | 0.0 | S |
| 126.658 | 0.0000 | 0.0000 | 81.773 | 0.22069 | 0.00000 | 602892.1 | 434734.1 | 0.0 | S |
| 126.667 | 0.0000 | 0.0000 | 81.772 | 0.22067 | 0.00000 | 602892.1 | 434740.7 | 0.0 | S |
| 126.675 | 0.0000 | 0.0000 | 81.772 | 0.22066 | 0.00000 | 602892.1 | 434747.3 | 0.0 | S |
| 126.683 | 0.0000 | 0.0000 | 81.772 | 0.22064 | 0.00000 | 602892.1 | 434754.0 | 0.0 | S |
| 126.692 | 0.0000 | 0.0000 | 81.772 | 0.22063 | 0.00000 | 602892.1 | 434760.6 | 0.0 | S |
| 126.700 | 0.0000 | 0.0000 | 81.772 | 0.22061 | 0.00000 | 602892.1 | 434767.2 | 0.0 | S |
| 126.708 | 0.0000 | 0.0000 | 81.772 | 0.22060 | 0.00000 | 602892.1 | 434773.8 | 0.0 | S |
| 126.717 | 0.0000 | 0.0000 | 81.772 | 0.22059 | 0.00000 | 602892.1 | 434780.4 | 0.0 | S |
| 126.725 | 0.0000 | 0.0000 | 81.772 | 0.22057 | 0.00000 | 602892.1 | 434787.1 | 0.0 | S |
| 126.733 | 0.0000 | 0.0000 | 81.771 | 0.22056 | 0.00000 | 602892.1 | 434793.7 | 0.0 | S |
| 126.742 | 0.0000 | 0.0000 | 81.771 | 0.22054 | 0.00000 | 602892.1 | 434800.3 | 0.0 | S |
| 126.750 | 0.0000 | 0.0000 | 81.771 | 0.22053 | 0.00000 | 602892.1 | 434806.9 | 0.0 | S |
| 126.758 | 0.0000 | 0.0000 | 81.771 | 0.22051 | 0.00000 | 602892.1 | 434813.5 | 0.0 | S |
| 126.767 | 0.0000 | 0.0000 | 81.771 | 0.22050 | 0.00000 | 602892.1 | 434820.1 | 0.0 | S |
| 126.775 | 0.0000 | 0.0000 | 81.771 | 0.22048 | 0.00000 | 602892.1 | 434826.8 | 0.0 | S |
| 126.783 | 0.0000 | 0.0000 | 81.771 | 0.22047 | 0.00000 | 602892.1 | 434833.4 | 0.0 | S |
| 126.792 | 0.0000 | 0.0000 | 81.771 | 0.22045 | 0.00000 | 602892.1 | 434840.0 | 0.0 | S |
| 126.800 | 0.0000 | 0.0000 | 81.770 | 0.22044 | 0.00000 | 602892.1 | 434846.6 | 0.0 | S |
| 126.808 | 0.0000 | 0.0000 | 81.770 | 0.22042 | 0.00000 | 602892.1 | 434853.2 | 0.0 | S |
| 126.817 | 0.0000 | 0.0000 | 81.770 | 0.22041 | 0.00000 | 602892.1 | 434859.8 | 0.0 | S |
| 126.825 | 0.0000 | 0.0000 | 81.770 | 0.22039 | 0.00000 | 602892.1 | 434866.4 | 0.0 | S |
| 126.833 | 0.0000 | 0.0000 | 81.770 | 0.22038 | 0.00000 | 602892.1 | 434873.0 | 0.0 | S |
| 126.842 | 0.0000 | 0.0000 | 81.770 | 0.22036 | 0.00000 | 602892.1 | 434879.7 | 0.0 | S |
| 126.850 | 0.0000 | 0.0000 | 81.770 | 0.22035 | 0.00000 | 602892.1 | 434886.3 | 0.0 | S |
| 126.858 | 0.0000 | 0.0000 | 81.770 | 0.22034 | 0.00000 | 602892.1 | 434892.9 | 0.0 | S |
| 126.867 | 0.0000 | 0.0000 | 81.770 | 0.22032 | 0.00000 | 602892.1 | 434899.5 | 0.0 | S |
| 126.875 | 0.0000 | 0.0000 | 81.769 | 0.22031 | 0.00000 | 602892.1 | 434906.1 | 0.0 | S |
| 126.883 | 0.0000 | 0,0000 | 81.769 | 0.22029 | 0.00000 | 602892.1 | 434912.7 | 0.0 | S |
| 126.892 | 0.0000 | 0.0000 | 81.769 | 0.22028 | 0.00000 | 602892.1 | 434919.3 | 0.0 | S |
| 126.900 | 0.0000 | 0.0000 | 81.769 | 0.22026 | 0.00000 | 602892.1 | 434925.9 | 0.0 | S |
| 126.908 | 0.0000 | 0.0000 | 81.769 | 0.22025 | 0.00000 | 602892.1 | 434932.5 | 0.0 | S |
| 126.917 | 0.0000 | 0.0000 | 81.769 | 0.22023 | 0.00000 | 602892.1 | 434939.1 | 0.0 | S |
| 126.925 | 0.0000 | 0.0000 | 81.769 | 0.22022 | 0.00000 | 602892.1 | 434945.8 | 0.0 | S |
| 126.933 | 0.0000 | 0.0000 | 81.769 | 0.22020 | 0.00000 | 602892.1 | 434952.3 | 0.0 | S |
| 126.942 | 0.0000 | 0.0000 | 81.768 | 0.22019 | 0.00000 | 602892.1 | 434959.0 | 0.0 | S |
| 126.950 | 0.0000 | 0.0000 | 81.768 | 0.22017 | 0.00000 | 602892.1 | 434965.6 | 0.0 | S |
| 126.958 | 0.0000 | 0.0000 | 81.768 | 0.22016 | 0.00000 | 602892.1 | 434972.2 | 0.0 | S |
| 126.967 | 0.0000 | 0.0000 | 81.768 | 0.22015 | 0.00000 | 602892.1 | 434978.8 | 0.0 | S |
| 126.975 | 0.0000 | 0.0000 | 81.768 | 0.22013 | 0.00000 | 602892.1 | 434985.4 | 0.0 | S |
| 126.983 | 0.0000 | 0.0000 | 81.768 | 0.22012 | 0.00000 | 602892.1 | 434992.0 | 0.0 | S |
| 126.992 | 0.0000 | 0.0000 | 81.768 | 0.22010 | 0.00000 | 602892.1 | 434998.6 | 0.0 | S |
| 127.000 | 0.0000 | 0.0000 | 81.768 | 0.22009 | 0.00000 | 602892.1 | 435005.2 | 0.0 | S |
| 127.008 | 0.0000 | 0.0000 | 81.768 | 0.22007 | 0.00000 | 602892.1 | 435011.8 | 0.0 | S |
| 127.017 | 0.0000 | 0.0000 | 81.767 | 0.22006 | 0.00000 | 602892.1 | 435018.4 | 0.0 | S |
| 127.025 | 0.0000 | 0.0000 | 81.767 | 0.22004 | 0.00000 | 602892.1 | 435025.0 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Infiow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overfiow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | $\begin{aligned} & \text { Flow } \\ & \text { Type } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 127.033 | 0.0000 | 0.0000 | 81.767 | 0.22003 | 0.00000 | 602892.1 | 435031.6 | 0.0 | S |
| 127.042 | 0.0000 | 0.0000 | 81.767 | 0.22001 | 0.00000 | 602892.1 | 435038.2 | 0.0 | S |
| 127.050 | 0.0000 | 0.0000 | 81.767 | 0.22000 | 0.00000 | 602892.1 | 435044.8 | 0.0 | S |
| 127.058 | 0.0000 | 0.0000 | 81.767 | 0.21998 | 0.00000 | 602892.1 | 435051.4 | 0.0 | S |
| 127.067 | 0.0000 | 0.0000 | 81.767 | 0.21997 | 0.00000 | 602892.1 | 435058.0 | 0.0 | S |
| 127.075 | 0.0000 | 0.0000 | 81.767 | 0.21996 | 0.00000 | 602892.1 | 435064.6 | 0.0 | S |
| 127.083 | 0.0000 | 0.0000 | 81.766 | 0.21994 | 0.00000 | 602892.1 | 435071.2 | 0.0 | S |
| 127.092 | 0.0000 | 0.0000 | 81.766 | 0.21993 | 0.00000 | 602892.1 | 435077.8 | 0.0 | S |
| 127.100 | 0.0000 | 0.0000 | 81.766 | 0.21991 | 0.00000 | 602892.1 | 435084.4 | 0.0 | S |
| 127.108 | 0.0000 | 0.0000 | 81.766 | 0.21990 | 0.00000 | 602892.1 | 435091.0 | 0.0 | S |
| 127.117 | 0.0000 | 0.0000 | 81.766 | 0.21988 | 0.00000 | 602892.1 | 435097.6 | 0.0 | S |
| 127.125 | 0.0000 | 0.0000 | 81.766 | 0.21987 | 0.00000 | 602892.1 | 435104.2 | 0.0 | S |
| 127.133 | 0.0000 | 0.0000 | 81.766 | 0.21985 | 0.00000 | 602892.1 | 435110.8 | 0.0 | S |
| 127.142 | 0.0000 | 0.0000 | 81.766 | 0.21984 | 0.00000 | 602892.1 | 435117.4 | 0.0 | S |
| 127.150 | 0.0000 | 0.0000 | 81.766 | 0.21982 | 0.00000 | 602892.1 | 435124.0 | 0.0 | S |
| 127.158 | 0.0000 | 0.0000 | 81.765 | 0.21981 | 0.00000 | 602892.1 | 435130.6 | 0.0 | S |
| 127.167 | 0.0000 | 0.0000 | 81.765 | 0.21979 | 0.00000 | 602892.1 | 435137.2 | 0.0 | S |
| 127.175 | 0.0000 | 0.0000 | 81.765 | 0.21978 | 0.00000 | 602892.1 | 435143.8 | 0.0 | S |
| 127.183 | 0.0000 | 0.0000 | 81.765 | 0.21977 | 0.00000 | 602892.1 | 435150.3 | 0.0 | S |
| \$27.192 | 0.0000 | 0.0000 | 81.765 | 0.21975 | 0.00000 | 602892.1 | 435156.9 | 0.0 | S |
| 127.200 | 0.0000 | 0.0000 | 81.765 | 0.21974 | 0.00000 | 602892.1 | 435163.5 | 0.0 | S |
| 127.208 | 0.0000 | 0.0000 | 81.765 | 0.21972 | 0.00000 | 602892.1 | 435170.1 | 0.0 | S |
| 127.217 | 0.0000 | 0.0000 | 81.765 | 0.21971 | 0.00000 | 602892.1 | 435176.7 | 0.0 | S |
| 127.225 | 0.0000 | 0.0000 | 81.764 | 0.21969 | 0.00000 | 602892.1 | 435183.3 | 0.0 | S |
| 127.233 | 0.0000 | 0.0000 | 81.764 | 0.21968 | 0.00000 | 602892.1 | 435189.9 | 0.0 | S |
| 127.242 | 0.0000 | 0.0000 | 81.764 | 0.21966 | 0.00000 | 602892.1 | 435196.5 | 0.0 | S |
| 127.250 | 0.0000 | 0.0000 | 81.764 | 0.21965 | 0.00000 | 602892.1 | 435203.1 | 0.0 | S |
| 127.258 | 0.0000 | 0.0000 | 81.764 | 0.21963 | 0.00000 | 602892.1 | 435209.7 | 0.0 | S |
| 127.267 | 0.0000 | 0.0000 | 81.764 | 0.21962 | 0.00000 | 602892.1 | 435216.3 | 0.0 | S |
| 127.275 | 0.0000 | 0.0000 | 81.764 | 0.21961 | 0.00000 | 602892.1 | 435222.8 | 0.0 | S |
| 127.283 | 0.0000 | 0.0000 | 81.764 | 0.21959 | 0.00000 | 602892.1 | 435229.4 | 0.0 | S |
| 127.292 | 0.0000 | 0.0000 | 81.764 | 0.21958 | 0.00000 | 602892.1 | 435236.0 | 0.0 | S |
| 127.300 | 0.0000 | 0.0000 | 81.763 | 0.21956 | 0.00000 | 602892.1 | 435242.6 | 0.0 | S |
| 127.308 | 0.0000 | 0.0000 | 81.763 | 0.21955 | 0.00000 | 602892.1 | 435249.2 | 0.0 | S |
| 127.317 | 0.0000 | 0.0000 | 81.763 | 0.21953 | 0.00000 | 602892.1 | 435255.8 | 0.0 | S |
| 127.325 | 0.0000 | 0.0000 | 81.763 | 0.21952 | 0.00000 | 602892.1 | 435262.3 | 0.0 | S |
| 127.333 | 0.0000 | 0.0000 | 81.763 | 0.21950 | 0.00000 | 602892.1 | 435268.9 | 0.0 | S |
| 127.342 | 0.0000 | 0.0000 | 81.763 | 0.21949 | 0.00000 | 602892.1 | 435275.5 | 0.0 | S |
| 127.350 | 0.0000 | 0.0000 | 81.763 | 0.21947 | 0.00000 | 602892.1 | 435282.1 | 0.0 | S |
| 127.358 | 0.0000 | 0.0000 | 81.763 | 0.21946 | 0.00000 | 602892.1 | 435288.7 | 0.0 | S |
| 127.367 | 0.0000 | 0.0000 | 81.762 | 0.21944 | 0.00000 | 602892.1 | 435295.3 | 0.0 | S |
| 127.375 | 0.0000 | 0.0000 | 81.762 | 0.21943 | 0.00000 | 602892.1 | 435301.8 | 0.0 | S |
| 127.383 | 0.0000 | 0.0000 | 81.762 | 0.21942 | 0.00000 | 602892.1 | 435308.4 | 0.0 | S |
| 127.392 | 0.0000 | 0.0000 | 81.762 | 0.21940 | 0.00000 | 602892.1 | 435315.0 | 0.0 | S |
| 127.400 | 0.0000 | 0.0000 | 81.762 | 0.21939 | 0.00000 | 602892.1 | 435321.6 | 0.0 | S |
| 127.408 | 0.0000 | 0.0000 | 81.762 | 0.21937 | 0.00000 | 602892.1 | 435328.2 | 0.0 | S |
| \$27.417 | 0.0000 | 0.0000 | 81.762 | 0.21936 | 0.00000 | 602892.1 | 435334.8 | 0.0 | S |
| 127.425 | 0.0000 | 0.0000 | 81.762 | 0.21934 | 0.00000 | 602892.1 | 435341.3 | 0.0 | S |
| 127.433 | 0.0000 | 0.0000 | 81.762 | 0.21933 | 0.00000 | 602892.1 | 435347.9 | 0.0 | S |
| 127.442 | 0.0000 | 0.0000 | 81.761 | 0.21931 | 0.00000 | 602892.1 | 435354.5 | 0.0 | S |
| 127.450 | 0.0000 | 0.0000 | 81.761 | 0.21930 | 0.00000 | 602892.1 | 435361.1 | 0.0 | S |
| 127.458 | 0.0000 | 0.0000 | 81.761 | 0.21929 | 0.00000 | 602892.1 | 435367.7 | 0.0 | 5 |
| 127.467 | 0.0000 | 0.0000 | 81.761 | 0.21927 | 0.00000 | 602892.1 | 435374.3 | 0.0 | S |
| 127.475 | 0.0000 | 0.0000 | 81.761 | 0.21926 | 0.00000 | 602892.1 | 435380.8 | 0.0 | S |
| 127.483 | 0.0000 | 0.0000 | 81.761 | 0.21924 | 0.00000 | 602892.1 | 435387.4 | 0.0 | S |
| 127.492 | 0.0000 | 0.0000 | 81.761 | 0.21923 | 0.00000 | 602892.1 | 435394.0 | 0.0 | S |
| 127.500 | 0.0000 | 0.0000 | 81.761 | 0.21921 | 0.00000 | 602892.1 | 435400.6 | 0.0 | S |
| 127.508 | 0.0000 | 0.0000 | 81.760 | 0.21920 | 0.00000 | 602892.1 | 435407.1 | 0.0 | S |
| 127.517 | 0.0000 | 0.0000 | 81.760 | 0.21918 | 0.00000 | 602892.1 | 435413.7 | 0.0 | S |
| 127.525 | 0.0000 | 0.0000 | 81.760 | 0.21917 | 0.00000 | 602892.1 | 435420.3 | 0.0 | S |
| 127.533 | 0.0000 | 0.0000 | 81.760 | 0.21915 | 0.00000 | 602892.1 | 435426.8 | 0.0 | S |
| 127.542 | 0.0000 | 0.0000 | 81.760 | 0.21914 | 0.00000 | 602892.1 | 435433.4 | 0.0 | S |
| 127.550 | 0.0000 | 0.0000 | 81.760 | 0.21913 | 0.00000 | 602892.1 | 435440.0 | 0.0 | S |
| 127.558 | 0.0000 | 0.0000 | 81.760 | 0.21911 | 0.00000 | 602892.1 | 435446.6 | 0.0 | S |
| 127.567 | 0.0000 | 0.0000 | 81.760 | 0.21910 | 0.00000 | 602892.1 | 435453.2 | 0.0 | S |
| 127.575 | 0.0000 | 0.0000 | 81.760 | 0.21908 | 0.00000 | 602892.1 | 435459.7 | 0.0 | S |
| 127.583 | 0.0000 | 0.0000 | 81.759 | 0.21907 | 0.00000 | 602892.1 | 435466.3 | 0.0 | S |
| 127.592 | 0.0000 | 0.0000 | 81.759 | 0.21905 | 0.00000 | 602892.1 | 435472.9 | 0.0 | S |
| 127.600 | 0.0000 | 0.0000 | 81.759 | 0.21904 | 0.00000 | 602892.1 | 435479.4 | 0.0 | S |
| 127.608 | 0.0000 | 0.0000 | 81.759 | 0.21902 | 0.00000 | 602892.1 | 435486.0 | 0.0 | S |
| 127.617 | 0.0000 | 0.0000 | 81.759 | 0.21901 | 0.00000 | 602892.1 | 435492.6 | 0.0 | S |
| 127.625 | 0.0000 | 0.0000 | 81.759 | 0.21899 | 0.00000 | 602892.1 | 435499.2 | 0.0 | S |
| 127.633 | 0.0000 | 0.0000 | 81.759 | 0.21898 | 0.00000 | 602892.1 | 435505.7 | 0.0 | S |
| 127.642 | 0.0000 | 0.0000 | 81.759 | 0.21897 | 0.00000 | 602892.1 | 435512.3 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year/24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Overflow Discharge $\left(f^{3} / \mathrm{s}\right)$ | Cumulative Inflow Volume ( $\mathrm{ff}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative <br> Discharge <br> Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 127.650 | 0.0000 | 0.0000 | 81.758 | 0.21895 | 0.00000 | 602892.1 | 435518.8 | 0.0 | S |
| 127.658 | 0.0000 | 0.0000 | 81.758 | 0.21894 | 0.00000 | 602892.1 | 435525.4 | 0.0 | S |
| 127.667 | 0.0000 | 0.0000 | 81.758 | 0.21892 | 0.00000 | 602892.1 | 435532.0 | 0.0 | S |
| 127.675 | 0.0000 | 0.0000 | 81.758 | 0.21891 | 0.00000 | 602892.1 | 435538.6 | 0.0 | S |
| 127.683 | 0.0000 | 0.0000 | 81.758 | 0.21889 | 0.00000 | 602892.1 | 435545.1 | 0.0 | S |
| 127.692 | 0.0000 | 0.0000 | 81.758 | 0.21888 | 0.00000 | 602892.1 | 435551.7 | 0.0 | S |
| 127.700 | 0.0000 | 0.0000 | 81.758 | 0.21886 | 0.00000 | 602892.1 | 435558.3 | 0.0 | S |
| 127.708 | 0.0000 | 0.0000 | 81.758 | 0.21885 | 0.00000 | 602892.1 | 435564.8 | 0.0 | S |
| 127.717 | 0.0000 | 0.0000 | 81.758 | 0.21884 | 0.00000 | 602892.1 | 435571.4 | 0.0 | S |
| 127.725 | 0.0000 | 0.0000 | 81.757 | 0.21882 | 0.00000 | 602892.1 | 435578.0 | 0.0 | S |
| 127.733 | 0.0000 | 0.0000 | 81.757 | 0.21881 | 0.00000 | 602892.1 | 435584.5 | 0.0 | S |
| 127.742 | 0.0000 | 0.0000 | 81.757 | 0.21879 | 0.00000 | 602892.1 | 435591.1 | 0.0 | S |
| 127.750 | 0.0000 | 0.0000 | 81.757 | 0.21878 | 0.00000 | 602892.1 | 435597.7 | 0.0 | S |
| 127.758 | 0.0000 | 0.0000 | 81.757 | 0.21876 | 0.00000 | 602892.1 | 435604.2 | 0.0 | S |
| 127.767 | 0.0000 | 0.0000 | 81.757 | 0.21875 | 0.00000 | 602892.1 | 435610.8 | 0.0 | S |
| 127.775 | 0.0000 | 0.0000 | 81.757 | 0.21873 | 0.00000 | 602892.1 | 435617.3 | 0.0 | S |
| 127.783 | 0.0000 | 0.0000 | 81.757 | 0.21872 | 0.00000 | 602892.1 | 435623.9 | 0.0 | S |
| 127.792 | 0.0000 | 0.0000 | 81.756 | 0.21871 | 0.00000 | 602892.1 | 435630.5 | 0.0 | S |
| 127.800 | 0.0000 | 0.0000 | 81.756 | 0.21869 | 0.00000 | 602892.1 | 435637.0 | 0.0 | S |
| 127.808 | 0.0000 | 0.0000 | 81.756 | 0.21868 | 0.00000 | 602892.1 | 435643.6 | 0.0 | S |
| 127.817 | 0.0000 | 0.0000 | 81.756 | 0.21866 | 0.00000 | 602892.1 | 435650.1 | 0.0 | S |
| 127.825 | 0.0000 | 0.0000 | 81.756 | 0.21865 | 0.00000 | 602892.1 | 435656.7 | 0.0 | S |
| 127.833 | 0.0000 | 0.0000 | 81.756 | 0.21863 | 0.00000 | 602892.1 | 435663.3 | 0.0 | S |
| 127.842 | 0.0000 | 0.0000 | 81.756 | 0.21862 | 0.00000 | 602892.1 | 435669.8 | 0.0 | S |
| 127.850 | 0.0000 | 0.0000 | 81.756 | 0.21860 | 0.00000 | 602892.1 | 435676.4 | 0.0 | S |
| 127.858 | 0.0000 | 0.0000 | 81.756 | 0.21859 | 0.00000 | 602892.1 | 435682.9 | 0.0 | S |
| 127.867 | 0.0000 | 0.0000 | 81.755 | 0.21858 | 0.00000 | 602892.1 | 435689.5 | 0.0 | S |
| 127.875 | 0,0000 | 0.0000 | 81.755 | 0.21856 | 0.00000 | 602892.1 | 435696.1 | 0.0 | S |
| 127.883 | 0.0000 | 0.0000 | 81.755 | 0.21855 | 0.00000 | 602892.1 | 435702.6 | 0.0 | S |
| 127.892 | 0.0000 | 0.0000 | 81.755 | 0.21853 | 0.00000 | 602892.1 | 435709.2 | 0.0 | S |
| 127.900 | 0.0000 | 0.0000 | 81.755 | 0.21852 | 0.00000 | 602892.1 | 435715.7 | 0.0 | 5 |
| 127.908 | 0.0000 | 0.0000 | 81.755 | 0.21850 | 0.00000 | 602892.1 | 435722.3 | 0.0 | S |
| 127.917 | 0.0000 | 0.0000 | 81.755 | 0.21849 | 0.00000 | 602892.1 | 435728.8 | 0.0 | 5 |
| 127.925 | 0,0000 | 0.0000 | 81.755 | 0.21847 | 0.00000 | 602892.1 | 435735.4 | 0.0 | S |
| 127.933 | 0.0000 | 0.0000 | 81.754 | 0.21846 | 0.00000 | 602892.1 | 435741.9 | 0.0 | S |
| 127.942 | 0.0000 | 0.0000 | 81.754 | 0.21845 | 0.00000 | 602892.1 | 435748.5 | 0.0 | S |
| 127.950 | 0.0000 | 0.0000 | 81.754 | 0.21843 | 0.00000 | 602892.1 | 435755.0 | 0.0 | S |
| 127.958 | 0.0000 | 0.0000 | 81.754 | 0.21842 | 0.00000 | 602892.1 | 435761.6 | 0.0 | S |
| 127.967 | 0.0000 | 0.0000 | 81.754 | 0.21840 | 0.00000 | 602892.1 | 435768.2 | 0.0 | S |
| 127.975 | 0.0000 | 0.0000 | 81.754 | 0.21839 | 0.00000 | 602892.1 | 435774.7 | 0.0 | S |
| 127.983 | 0.0000 | 0.0000 | 81.754 | 0.21837 | 0.00000 | 602892.1 | 435781.3 | 0.0 | S |
| 127.992 | 0.0000 | 0.0000 | 81.754 | 0.21836 | 0.00000 | 602892.1 | 435787.8 | 0.0 | S |
| 128.000 | 0.0000 | 0.0000 | 81.754 | 0.21834 | 0.00000 | 602892.1 | 435794.3 | 0.0 | S |
| 128.008 | 0.0000 | 0.0000 | 81.753 | 0.21833 | 0.00000 | 602892.1 | 435800.9 | 0.0 | S |
| 128.017 | 0.0000 | 0.0000 | 81.753 | 0.21832 | 0.00000 | 602892.1 | 435807.4 | 0.0 | S |
| 128.025 | 0.0000 | 0.0000 | 81.753 | 0.21830 | 0.00000 | 602892.1 | 435814.0 | 0.0 | S |
| 128.033 | 0.0000 | 0.0000 | 81.753 | 0.21829 | 0.00000 | 602892.1 | 435820.6 | 0.0 | S |
| 128.042 | 0.0000 | 0.0000 | 81.753 | 0.21827 | 0.00000 | 602892.1 | 435827.1 | 0.0 | S |
| 128.050 | 0.0000 | 0.0000 | 81.753 | 0.21826 | 0.00000 | 602892.1 | 435833.7 | 0.0 | S |
| 128.058 | 0.0000 | 0.0000 | 81.753 | 0.21824 | 0.00000 | 602892.1 | 435840.2 | 0.0 | S |
| 128.067 | 0.0000 | 0.0000 | 81.753 | 0.21823 | 0.00000 | 602892.1 | 435846.8 | 0.0 | S |
| 128.075 | 0.0000 | 0.0000 | 81.752 | 0.21821 | 0.00000 | 602892.1 | 435853.3 | 0.0 | S |
| 128.083 | 0.0000 | 0.0000 | 81.752 | 0.21820 | 0.00000 | 602892.1 | 435859.8 | 0.0 | S |
| 128.092 | 0.0000 | 0.0000 | 81.752 | 0.21819 | 0.00000 | 602892.1 | 435866.4 | 0.0 | S |
| 128.100 | 0.0000 | 0.0000 | 81.752 | 0.21817 | 0.00000 | 602892.1 | 435872.9 | 0.0 | S |
| 128.108 | 0.0000 | 0.0000 | 81.752 | 0.21816 | 0.00000 | 602892.1 | 435879.5 | 0.0 | S |
| 128.117 | 0.0000 | 0.0000 | 81.752 | 0.21814 | 0.00000 | 602892.1 | 435886.0 | 0.0 | S |
| 128.125 | 0.0000 | 0.0000 | 81.752 | 0.21813 | 0.00000 | 602892.1 | 435892.6 | 0.0 | S |
| 128.133 | 0.0000 | 0.0000 | 81.752 | 0.21811 | 0.00000 | 602892.1 | 435899.1 | 0.0 | S |
| 128.142 | 0.0000 | 0.0000 | 81.752 | 0.21810 | 0.00000 | 602892.1 | 435905.7 | 0.0 | S |
| 128.150 | 0.0000 | 0.0000 | 81.751 | 0.21809 | 0.00000 | 602892.1 | 435912.2 | 0.0 | S |
| 128.158 | 0.0000 | 0.0000 | 81.751 | 0.21807 | 0.00000 | 602892.1 | 435918.7 | 0.0 | S |
| 128.167 | 0.0000 | 0.0000 | 81.751 | 0.21806 | 0.00000 | 602892.1 | 435925.3 | 0.0 | S |
| 128.175 | 0.0000 | 0.0000 | 81.751 | 0.21804 | 0.00000 | 602892.1 | 435931.8 | 0.0 | S |
| 128.183 | 0.0000 | 0.0000 | 81.751 | 0.21803 | 0.00000 | 602892.1 | 435938.3 | 0.0 | S |
| 128.192 | 0.0000 | 0.0000 | 81.751 | 0.21801 | 0.00000 | 602892.1 | 435944.9 | 0.0 | S |
| 128.200 | 0.0000 | 0.0000 | 81.751 | 0.21800 | 0.00000 | 602892.1 | 435951.4 | 0.0 | S |
| 128.208 | 0.0000 | 0.0000 | 81.751 | 0.21798 | 0.00000 | 602892.1 | 435958.0 | 0.0 | S |
| 128.217 | 0.0000 | 0.0000 | 81.751 | 0.21797 | 0.00000 | 602892.1 | 435964.5 | 0.0 | S |
| 128.225 | 0.0000 | 0.0000 | 81.750 | 0.21796 | 0.00000 | 602892.1 | 435971.1 | 0.0 | S |
| 128.233 | 0.0000 | 0.0000 | 81.750 | 0.21794 | 0.00000 | 602892.1 | 435977.6 | 0.0 | S |
| 128.242 | 0.0000 | 0.0000 | 81.750 | 0.21793 | 0.00000 | 602892.1 | 435984.1 | 0.0 | S |
| 128.250 | 0.0000 | 0.0000 | 81.750 | 0.21791 | 0.00000 | 602892.1 | 435990.7 | 0.0 | S |
| 128.258 | 0.0000 | 0.0000 | 81.750 | 0.21790 | 0.00000 | 602892.1 | 435997.2 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (fl/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{ft}^{3 / 3}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 128.267 | 0.0000 | 0.0000 | 81.750 | 0.21788 | 0.00000 | 602892.1 | 436003.8 | 0.0 | S |
| 128.275 | 0.0000 | 0.0000 | 81.750 | 0.21787 | 0.00000 | 602892.1 | 436010.3 | 0.0 | S |
| 128.283 | 0.0000 | 0.0000 | 81.750 | 0.21786 | 0.00000 | 602892.1 | 436016.8 | 0.0 | S |
| 128.292 | 0.0000 | 0.0000 | 81.749 | 0.21784 | 0.00000 | 602892.1 | 436023.3 | 0.0 | S |
| 128.300 | 0.0000 | 0.0000 | 81.749 | 0.21783 | 0.00000 | 602892.1 | 436029.9 | 0.0 | S |
| 128.308 | 0.0000 | 0.0000 | 81.749 | 0.21781 | 0.00000 | 602892.1 | 436036.4 | 0.0 | S |
| 128.317 | 0.0000 | 0.0000 | 81.749 | 0.21780 | 0.00000 | 602892.1 | 436042.9 | 0.0 | S |
| 128.325 | 0.0000 | 0.0000 | 81.749 | 0.21778 | 0.00000 | 602892.1 | 436049.5 | 0.0 | S |
| $\{28.333$ | 0.0000 | 0.0000 | 81.749 | 0.21777 | 0.00000 | 602892.1 | 436056.0 | 0.0 | S |
| 128.342 | 0.0000 | 0.0000 | 81.749 | 0.21776 | 0.00000 | 602892.1 | 436062.6 | 0.0 | S |
| \$28.350 | 0.0000 | 0.0000 | 81.749 | 0.21774 | 0.00000 | 602892.1 | 436069.1 | 0.0 | S |
| 128.358 | 0.0000 | 0.0000 | 81.749 | 0.21773 | 0.00000 | 602892.1 | 436075.6 | 0.0 | S |
| 128.367 | 0.0000 | 0.0000 | 81.748 | 0.21771 | 0.00000 | 602892.1 | 436082.2 | 0.0 | S |
| 128.375 | 0.0000 | 0.0000 | 81.748 | 0.21770 | 0.00000 | 602892.1 | 436088.7 | 0.0 | S |
| 128.383 | 0.0000 | 0.0000 | 81.748 | 0.21768 | 0.00000 | 602892.1 | 436095.2 | 0.0 | S |
| 128.392 | 0.0000 | 0.0000 | 81.748 | 0.21767 | 0.00000 | 602892.1 | 436101.8 | 0.0 | S |
| 128.400 | 0.0000 | 0.0000 | 81.748 | 0.21765 | 0.00000 | 602892.1 | 436108.3 | 0.0 | S |
| 128.408 | 0.0000 | 0.0000 | 81.748 | 0.21764 | 0.00000 | 602892.1 | 436114.8 | 0.0 | S |
| 128.417 | 0.0000 | 0.0000 | 81.748 | 0.21763 | 0.00000 | 602892.1 | 436121.3 | 0.0 | S |
| 128.425 | 0.0000 | 0.0000 | 81.748 | 0.21761 | 0.00000 | 602892.1 | 436127.8 | 0.0 | S |
| 128.433 | 0.0000 | 0.0000 | 81.747 | 0.21760 | 0.00000 | 602892.1 | 436134.4 | 0.0 | S |
| 128.442 | 0.0000 | 0.0000 | 81.747 | 0.21758 | 0.00000 | 602892.1 | 436140.9 | 0.0 | S |
| 128.450 | 0.0000 | 0.0000 | 81.747 | 0.21757 | 0.00000 | 602892.1 | 436147.4 | 0.0 | S |
| 128.458 | 0.0000 | 0.0000 | 81.747 | 0.21755 | 0.00000 | 602892.1 | 436154.0 | 0.0 | S |
| 128.467 | 0.0000 | 0.0000 | 81.747 | 0.21754 | 0.00000 | 602892.1 | 436160.5 | 0.0 | S |
| 128.475 | 0.0000 | 0.0000 | 81.747 | 0.21753 | 0.00000 | 602892.1 | 436167.0 | 0.0 | S |
| 128.483 | 0.0000 | 0.0000 | 81.747 | 0.21751 | 0.00000 | 602892.1 | 436173.5 | 0.0 | S |
| 128.492 | 0.0000 | 0.0000 | 81.747 | 0.21750 | 0.00000 | 602892.1 | 436180.1 | 0.0 | S |
| 128.500 | 0.0000 | 0.0000 | 81.747 | 0.21748 | 0.00000 | 602892.1 | 436186.6 | 0.0 | S |
| 128.508 | 0.0000 | 0.0000 | 81.746 | 0.21747 | 0.00000 | 602892.1 | 436193.1 | 0.0 | S |
| 128.517 | 0.0000 | 0.0000 | 81.746 | 0.21745 | 0.00000 | 602892.1 | 436199.7 | 0.0 | S |
| 128.525 | 0.0000 | 0.0000 | 81.746 | 0.21744 | 0.00000 | 602892.1 | 436206.2 | 0.0 | S |
| 128.533 | 0.0000 | 0.0000 | 81.746 | 0.21743 | 0.00000 | 602892.1 | 436212.7 | 0.0 | S |
| 128.542 | 0.0000 | 0.0000 | 81.746 | 0.21741 | 0.00000 | 602892.1 | 436219.2 | 0.0 | S |
| 128.550 | 0.0000 | 0.0000 | 81.746 | 0.21740 | 0.00000 | 602892.1 | 436225.8 | 0.0 | S |
| 128.558 | 0.0000 | 0.0000 | 81.746 | 0.21738 | 0.00000 | 602892.1 | 436232.3 | 0.0 | S |
| 128.567 | 0.0000 | 0.0000 | 81.746 | 0.21737 | 0.00000 | 602892.1 | 436238.8 | 0.0 | S |
| 128.575 | 0.0000 | 0.0000 | 81.745 | 0.21735 | 0.00000 | 602892.1 | 436245.3 | 0.0 | S |
| 128.583 | 0.0000 | 0.0000 | 81.745 | 0.21734 | 0.00000 | 602892.1 | 436251.8 | 0.0 | S |
| 128.592 | 0.0000 | 0.0000 | 81.745 | 0.21733 | 0.00000 | 602892.1 | 436258.3 | 0.0 | S |
| 128.600 | 0.0000 | 0.0000 | 81.745 | 0.21731 | 0.00000 | 602892.1 | 436264.8 | 0.0 | S |
| 128.608 | 0.0000 | 0.0000 | 81.745 | 0.21730 | 0.00000 | 602892.1 | 436271.4 | 0.0 | S |
| 128.617 | 0.0000 | 0.0000 | 81.745 | 0.21728 | 0.00000 | 602892.1 | 436277.9 | 0.0 | S |
| 128.625 | 0.0000 | 0.0000 | 81.745 | 0.21727 | 0.00000 | 602892.1 | 436284.4 | 0.0 | S |
| 128.633 | 0.0000 | 0.0000 | 81.745 | 0.21725 | 0.00000 | 602892.1 | 436290.9 | 0.0 | S |
| 128.642 | 0.0000 | 0.0000 | 81.745 | 0.21724 | 0.00000 | 602892.1 | 436297.4 | 0.0 | S |
| 128.650 | 0.0000 | 0.0000 | 81.744 | 0.21723 | 0.00000 | 602892.1 | 436304.0 | 0.0 | S |
| 128.658 | 0.0000 | 0.0000 | 81.744 | 0.21721 | 0.00000 | 602892.1 | 436310.5 | 0.0 | S |
| 128.667 | 0.0000 | 0.0000 | 81.744 | 0.21720 | 0.00000 | 602892.1 | 436317.0 | 0.0 | S |
| 128.675 | 0.0000 | 0.0000 | 81.744 | 0.21718 | 0.00000 | 602892.1 | 436323.5 | 0.0 | S |
| 128.683 | 0.0000 | 0.0000 | 81.744 | 0.21717 | 0.00000 | 602892.1 | 436330.0 | 0.0 | S |
| 128.692 | 0.0000 | 0.0000 | 81.744 | 0.21715 | 0.00000 | 602892.1 | 436336.5 | 0.0 | S |
| 128.700 | 0.0000 | 0.0000 | 81.744 | 0.21714 | 0.00000 | 602892.1 | 436343.1 | 0.0 | S |
| 128.708 | 0.0000 | 0.0000 | 81.744 | 0.21713 | 0.00000 | 602892.1 | 436349.6 | 0.0 | S |
| 128.717 | 0.0000 | 0.0000 | 81.744 | 0.21711 | 0.00000 | 602892.1 | 436356.1 | 0.0 | S |
| 128.725 | 0.0000 | 0.0000 | 81.743 | 0.21710 | 0.00000 | 602892.1 | 436362.6 | 0.0 | S |
| 128.733 | 0.0000 | 0.0000 | 81.743 | 0.21708 | 0.00000 | 602892.1 | 436369.1 | 0.0 | S |
| 128.742 | 0.0000 | 0.0000 | 81.743 | 0.21707 | 0.00000 | 602892.1 | 436375.6 | 0.0 | S |
| 128.750 | 0.0000 | 0.0000 | 81.743 | 0.21705 | 0.00000 | 602892.1 | 436382.1 | 0.0 | S |
| 128.758 | 0.0000 | 0.0000 | 81.743 | 0.21704 | 0.00000 | 602892.1 | 436388.7 | 0.0 | S |
| 128.767 | 0.0000 | 0.0000 | 81.743 | 0.21703 | 0.00000 | 602892.1 | 436395.2 | 0.0 | S |
| 128.775 | 0.0000 | 0.0000 | 81.743 | 0.21701 | 0.00000 | 602892.1 | 436401.7 | 0.0 | S |
| 128.783 | 0.0000 | 0.0000 | 81.743 | 0.21700 | 0.00000 | 602892.1 | 436408.2 | 0.0 | S |
| 128.792 | 0.0000 | 0.0000 | 81.742 | 0.21698 | 0.00000 | 602892.1 | 436414.7 | 0.0 | S |
| 128.800 | 0.0000 | 0.0000 | 81.742 | 0.21697 | 0.00000 | 602892.1 | 436421.2 | 0.0 | S |
| 128.808 | 0.0000 | 0.0000 | 81.742 | 0.21695 | 0.00000 | 602892.1 | 436427.7 | 0.0 | S |
| 128.817 | 0.0000 | 0.0000 | 81.742 | 0.21694 | 0.00000 | 602892.1 | 436434.2 | 0.0 | S |
| 128.825 | 0.0000 | 0.0000 | 81.742 | 0.21693 | 0.00000 | 602892.1 | 436440.7 | 0.0 | S |
| 128.833 | 0.0000 | 0.0000 | 81.742 | 0.21691 | 0.00000 | 602892.1 | 436447.2 | 0.0 | S |
| 128.842 | 0.0000 | 0.0000 | 81.742 | 0.21690 | 0.00000 | 602892.1 | 436453.8 | 0.0 | S |
| 128.850 | 0.0000 | 0.0000 | 81.742 | 0.21688 | 0.00000 | 602892.1 | 436460.3 | 0.0 | S |
| 128.858 | 0.0000 | 0.0000 | 81.742 | 0.21687 | 0.00000 | 602892.1 | 436466.8 | 0.0 | S |
| 128.867 | 0.0000 | 0.0000 | 81.741 | 0.21686 | 0.00000 | 602892.1 | 436473.3 | 0.0 | S |
| 128.875 | 0.0000 | 0.0000 | 81.741 | 0.21684 | 0.00000 | 602892.1 | 436479.8 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year $/ 24$ hour routing with pond 10 overflow

| Elapsed Time (hours) | inflow Rate (ft ${ }^{3 / \mathrm{s}}$ ) | Outside Recharge (filday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{rl}^{3}$ ) | Cumulative Infilitration Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{n}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 128.883 | 0.0000 | 0.0000 | 81.741 | 0.21683 | 0.00000 | 602892.1 | 436486.3 | 0.0 | S |
| 128.892 | 0.0000 | 0.0000 | 81.741 | 0.21681 | 0.00000 | 602892.1 | 436492.8 | 0.0 | S |
| 128.900 | 0.0000 | 0.0000 | 81.741 | 0.21680 | 0.00000 | 602892.1 | 436499.3 | 0.0 | S |
| 128.908 | 0.0000 | 0.0000 | 81.741 | 0.21678 | 0.00000 | 602892.1 | 436505.8 | 0.0 | S |
| 128.917 | 0.0000 | 0.0000 | 81.741 | 0.21677 | 0.00000 | 602892.1 | 436512.3 | 0.0 | S |
| 128.925 | 0.0000 | 0.0000 | 81.741 | 0.21676 | 0.00000 | 602892.1 | 436518.8 | 0.0 | S |
| 128.933 | 0.0000 | 0.0000 | 81.740 | 0.21674 | 0.00000 | 602892.1 | 436525.3 | 0.0 | S |
| 128.942 | 0.0000 | 0.0000 | 81.740 | 0.21673 | 0.00000 | 602892.4 | 436531.8 | 0.0 | S |
| 128.950 | 0.0000 | 0.0000 | 81.740 | 0.21671 | 0.00000 | 602892.1 | 436538.3 | 0.0 | S |
| 128.958 | 0.0000 | 0.0000 | 81.740 | 0.21670 | 0.00000 | 602892.1 | 436544.8 | 0.0 | S |
| 128.967 | 0.0000 | 0.0000 | 81.740 | 0.21668 | 0.00000 | 602892.1 | 436551.3 | 0.0 | S |
| 128.975 | 0.0000 | 0.0000 | 81.740 | 0.21667 | 0.00000 | 602892.1 | 436557.8 | 0.0 | S |
| 128.983 | 0.0000 | 0.0000 | 81.740 | 0.21666 | 0.00000 | 602892.1 | 436564.3 | 0.0 | S |
| 128.992 | 0.0000 | 0.0000 | 81.740 | 0.21664 | 0.00000 | 602892.1 | 436570.8 | 0.0 | S |
| 129.000 | 0.0000 | 0.0000 | 81.740 | 0.21663 | 0.00000 | 602892.1 | 436577.3 | 0.0 | S |
| 129.008 | 0.0000 | 0.0000 | 81.739 | 0.21661 | 0.00000 | 602892.1 | 436583.8 | 0.0 | S |
| 129.017 | 0.0000 | 0.0000 | 81.739 | 0.21660 | 0.00000 | 602892.1 | 436590.3 | 0.0 | S |
| 129.025 | 0.0000 | 0.0000 | 81.739 | 0.21659 | 0.00000 | 602892.1 | 436596.8 | 0.0 | S |
| 129.033 | 0.0000 | 0.0000 | 81.739 | 0.21657 | 0.00000 | 602892.1 | 436603.3 | 0.0 | S |
| 129.042 | 0.0000 | 0.0000 | 81.739 | 0.21656 | 0.00000 | 602892.1 | 436609.8 | 0.0 | S |
| 129.050 | 0.0000 | 0.0000 | 81.739 | 0.21654 | 0.00000 | 602892.1 | 436616.3 | 0.0 | S |
| 129.058 | 0.0000 | 0.0000 | 81.739 | 0.21653 | 0.00000 | 602892.1 | 436622.8 | 0.0 | S |
| 129.067 | 0.0000 | 0.0000 | 81.739 | 0.21651 | 0.00000 | 602892.1 | 436629.3 | 0.0 | S |
| 129.075 | 0.0000 | 0.0000 | 81.738 | 0.21650 | 0.00000 | 602892.1 | 436635.8 | 0.0 | S |
| 129.083 | 0.0000 | 0.0000 | 81.738 | 0.21649 | 0.00000 | 602892.1 | 436642.3 | 0.0 | S |
| 129.092 | 0.0000 | 0.0000 | 81.738 | 0.21647 | 0.00000 | 602892.1 | 436648.8 | 0.0 | S |
| 129.100 | 0.0000 | 0.0000 | 81.738 | 0.21646 | 0.00000 | 602892.1 | 436655.3 | 0.0 | S |
| 129.108 | 0.0000 | 0.0000 | 81.738 | 0.21644 | 0.00000 | 602892.1 | 436661.8 | 0.0 | S |
| 129.117 | 0.0000 | 0.0000 | 81.738 | 0.21643 | 0.00000 | 602892.1 | 436668.3 | 0.0 | S |
| 129.125 | 0.0000 | 0.0000 | 81.738 | 0.21642 | 0.00000 | 602892.1 | 436674.7 | 0.0 | S |
| 129.133 | 0.0000 | 0.0000 | 81.738 | 0.21640 | 0.00000 | 602892.1 | 436681.2 | 0.0 | S |
| 129.142 | 0.0000 | 0.0000 | 81.738 | 0.21639 | 0.00000 | 602892.1 | 436687.7 | 0.0 | S |
| 129.150 | 0.0000 | 0.0000 | 81.737 | 0.21637 | 0.00000 | 602892.1 | 436694.2 | 0.0 | S |
| 129.158 | 0.0000 | 0.0000 | 81.737 | 0.21636 | 0.00000 | 602892.1 | 436700.7 | 0.0 | S |
| 129.167 | 0.0000 | 0.0000 | 81.737 | 0.21634 | 0.00000 | 602892.1 | 436707.2 | 0.0 | S |
| 129.175 | 0.0000 | 0.0000 | 81.737 | 0.21633 | 0.00000 | 602892.1 | 436713.7 | 0.0 | S |
| 129.183 | 0.0000 | 0.0000 | 81.737 | 0.21632 | 0.00000 | 602892.1 | 436720.2 | 0.0 | S |
| 129.192 | 0.0000 | 0.0000 | 81.737 | 0.21630 | 0.00000 | 602892.1 | 436726.7 | 0.0 | S |
| 129.200 | 0.0000 | 0.0000 | 81.737 | 0.21629 | 0.00000 | 602892.1 | 436733.2 | 0.0 | S |
| 129.208 | 0.0000 | 0.0000 | 81.737 | 0.21627 | 0.00000 | 602892.1 | 436739.6 | 0.0 | S |
| 129.217 | 0.0000 | 0.0000 | 81.737 | 0.21626 | 0.00000 | 602892.1 | 436746.1 | 0.0 | S |
| 129.225 | 0.0000 | 0.0000 | 81.736 | 0.21625 | 0.00000 | 602892.1 | 436752.6 | 0.0 | S |
| 129.233 | 0.0000 | 0.0000 | 81.736 | 0.21623 | 0.00000 | 602892.1 | 436759.1 | 0.0 | S |
| 129.242 | 0.0000 | 0.0000 | 81.736 | 0.21622 | 0.00000 | 602892.1 | 436765.6 | 0.0 | S |
| 129.250 | 0.0000 | 0.0000 | 81.736 | 0.21620 | 0.00000 | 602892.1 | 436772.1 | 0.0 | S |
| 129.258 | 0.0000 | 0.0000 | 81.736 | 0.21619 | 0.00000 | 602892.1 | 436778.6 | 0.0 | S |
| 129.267 | 0.0000 | 0.0000 | 81.736 | 0.21617 | 0.00000 | 602892.1 | 436785.0 | 0.0 | S |
| 129.275 | 0.0000 | 0.0000 | 81.736 | 0.21616 | 0.00000 | 602892.1 | 436791.5 | 0.0 | S |
| 129.283 | 0.0000 | 0.0000 | 81.736 | 0.21615 | 0.00000 | 602892.1 | 436798.0 | 0.0 | S |
| 129.292 | 0.0000 | 0.0000 | 81.735 | 0.21613 | 0.00000 | 602892.1 | 436804.5 | 0.0 | S |
| 129.300 | 0.0000 | 0.0000 | 81.735 | 0.21612 | 0.00000 | 602892.1 | 436811.0 | 0.0 | S |
| 129.308 | 0.0000 | 0.0000 | 81.735 | 0.21610 | 0.00000 | 602892.1 | 436817.5 | 0.0 | S |
| 129.317 | 0.0000 | 0.0000 | 81.735 | 0.21609 | 0.00000 | 602892.1 | 436823.9 | 0.0 | S |
| 129.325 | 0.0000 | 0.0000 | 81.735 | 0.21608 | 0.00000 | 602892.1 | 436830.4 | 0.0 | S |
| 129.333 | 0.0000 | 0.0000 | 81.735 | 0.21606 | 0.00000 | 602892.1 | 436836.9 | 0.0 | S |
| 129.342 | 0.0000 | 0.0000 | 81.735 | 0.21605 | 0.00000 | 602892.1 | 436843.4 | 0.0 | S |
| 129.350 | 0.0000 | 0.0000 | 81.735 | 0.21603 | 0.00000 | 602892.1 | 436849.9 | 0.0 | S |
| 129.358 | 0.0000 | 0.0000 | 81.735 | 0.21602 | 0.00000 | 602892.1 | 436856.3 | 0.0 | S |
| 129.367 | 0.0000 | 0.0000 | 81.734 | 0.21600 | 0.00000 | 602892.1 | 436862.8 | 0.0 | S |
| 129.375 | 0.0000 | 0.0000 | 81.734 | 0.21599 | 0.00000 | 602892.1 | 436869.3 | 0.0 | S |
| 129.383 | 0.0000 | 0.0000 | 81.734 | 0.21598 | 0.00000 | 602892.1 | 436875.8 | 0.0 | S |
| 129.392 | 0.0000 | 0.0000 | 81.734 | 0.21596 | 0.00000 | 602892.1 | 436882.3 | 0.0 | S |
| 129.400 | 0.0000 | 0.0000 | 81.734 | 0.21595 | 0.00000 | 602892.1 | 436888.8 | 0.0 | S |
| 129.408 | 0.0000 | 0.0000 | 81.734 | 0.21593 | 0.00000 | 602892.1 | 436895.2 | 0.0 | S |
| 129.417 | 0.0000 | 0.0000 | 81.734 | 0.21592 | 0.00000 | 602892.1 | 436901.7 | 0.0 | S |
| 129.425 | 0.0000 | 0.0000 | 81.734 | 0.21591 | 0.00000 | 602892.1 | 436908.2 | 0.0 | S |
| 129.433 | 0.0000 | 0.0000 | 81.733 | 0.21589 | 0.00000 | 602892.1 | 436914.7 | 0.0 | S |
| 129.442 | 0.0000 | 0.0000 | 81.733 | 0.21588 | 0.00000 | 602892.1 | 436921.1 | 0.0 | S |
| 129.450 | 0.0000 | 0.0000 | 81.733 | 0.21586 | 0.00000 | 602892.1 | 436927.6 | 0.0 | S |
| 129.458 | 0.0000 | 0.0000 | 81.733 | 0.21585 | 0.00000 | 602892.1 | 436934.1 | 0.0 | S |
| \$29.467 | 0.0000 | 0.0000 | 81.733 | 0.21584 | 0.00000 | 602892.1 | 436940.6 | 0.0 | S |
| 129.475 | 0.0000 | 0.0000 | 81.733 | 0.21582 | 0.00000 | 602892.1 | 436947.0 | 0.0 | S |
| 129.483 | 0.0000 | 0.0000 | 81.733 | 0.21581 | 0.00000 | 602892.1 | 436953.5 | 0.0 | S |
| 129.492 | 0.0000 | 0.0000 | 81.733 | 0.21579 | 0.00000 | 602892.1 | 436960.0 | 0.0 | S |

PONDS Version 3.2.0207

# Retention Pond Recovery - Refined Method Copyright 2003 

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (fuday) | Stage Elevation (ft datum) | Infittration Rate ( $\mathrm{H}^{3 / 5}$ ) | Overfiow Discharge ( $\mathrm{Ht}^{3} / \mathrm{s}$ ) | Cumulative Infow Volume ( $\mathrm{t}^{3}$ ) | Cumukative Infiltration Volume ( $\mathrm{t}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{fl}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 129.500 | 0.0000 | 0.0000 | 81.733 | 0.21578 | 0.00000 | 602892.1 | 436966.5 | 0.0 | S |
| 129.508 | 0.0000 | 0.0000 | 81.732 | 0.21576 | 0.00000 | 602892.1 | 436972.9 | 0.0 | S |
| 129.517 | 0.0000 | 0.0000 | 81.732 | 0.21575 | 0.00000 | 602892.1 | 436979.4 | 0.0 | S |
| 129.525 | 0.0000 | 0.0000 | 81.732 | 0.21574 | 0.00000 | 602892.1 | 436985.9 | 0.0 | S |
| 129.533 | 0.0000 | 0.0000 | 81.732 | 0.21572 | 0.00000 | 602892.1 | 436992.3 | 0.0 | S |
| 129.542 | 0.0000 | 0.0000 | 81.732 | 0.21571 | 0.00000 | 602892.1 | 436898.8 | 0.0 | S |
| 129.550 | 0.0000 | 0.0000 | 81.732 | 0.21569 | 0.00000 | 602892.1 | 437005.3 | 0.0 | S |
| 129.558 | 0.0000 | 0.0000 | 81.732 | 0.21568 | 0.00000 | 602892.1 | 437011.8 | 0.0 | S |
| 129.567 | 0.0000 | 0.0000 | 81.732 | 0.21567 | 0.00000 | 602892.1 | 437018.2 | 0.0 | S |
| 129.575 | 0.0000 | 0.0000 | 81.732 | 0.21565 | 0.00000 | 602892.1 | 437024.7 | 0.0 | S |
| 129.583 | 0.0000 | 0.0000 | 81.731 | 0.21564 | 0.00000 | 602892.1 | 437031.2 | 0.0 | S |
| 129.592 | 0.0000 | 0.0000 | 81.731 | 0.21562 | 0.00000 | 602892.1 | 437037.7 | 0.0 | S |
| 129.600 | 0.0000 | 0.0000 | 81.731 | 0.21561 | 0.00000 | 602892.1 | 437044.1 | 0.0 | S |
| 129.608 | 0.0000 | 0.0000 | 81.731 | 0.21560 | 0.00000 | 602892.1 | 437050.6 | 0.0 | S |
| 129.617 | 0.0000 | 0.0000 | 81.731 | 0.21558 | 0.00000 | 602892.1 | 437057.0 | 0.0 | S |
| 129.625 | 0.0000 | 0.0000 | 81.731 | 0.21557 | 0.00000 | 602892.1 | 437063.5 | 0.0 | S |
| 129.633 | 0.0000 | 0.0000 | 81.731 | 0.21555 | 0.00000 | 602892.1 | 437070.0 | 0.0 | S |
| 129.642 | 0.0000 | 0.0000 | 81.731 | 0.21554 | 0.00000 | 602892.1 | 437076.4 | 0.0 | S |
| 129.650 | 0.0000 | 0.0000 | 81.730 | 0.21553 | 0.00000 | 602892.1 | 437082.9 | 0.0 | S |
| 129.658 | 0.0000 | 0.0000 | 81.730 | 0.21551 | 0.00000 | 602892.1 | 437089.4 | 0.0 | S |
| 129.667 | 0.0000 | 0.0000 | 81.730 | 0.21550 | 0.00000 | 602892.1 | 437095.8 | 0.0 | S |
| 129.675 | 0.0000 | 0.0000 | 81.730 | 0.21548 | 0.00000 | 602892.1 | 437102.3 | 0.0 | S |
| 129.683 | 0.0000 | 0.0000 | 81.730 | 0.21547 | 0.00000 | 602892.1 | 437108.8 | 0.0 | S |
| 129.692 | 0.0000 | 0.0000 | 81.730 | 0.21546 | 0.00000 | 602892.1 | 437115.3 | 0.0 | S |
| 129.700 | 0.0000 | 0.0000 | 81.730 | 0.21544 | 0.00000 | 602892.1 | 437121.7 | 0.0 | S |
| 129.708 | 0.0000 | 0.0000 | 81.730 | 0.21543 | 0.00000 | 602892.1 | 437128.2 | 0.0 | S |
| 129.717 | 0.0000 | 0.0000 | 81.730 | 0.21541 | 0.00000 | 602892.1 | 437134.6 | 0.0 | S |
| 129.725 | 0.0000 | 0.0000 | 81.729 | 0.21540 | 0.00000 | 602892.1 | 437141.1 | 0.0 | S |
| 129.733 | 0.0000 | 0.0000 | 81.729 | 0.21538 | 0.00000 | 602892.1 | 437147.6 | 0.0 | S |
| 129.742 | 0.0000 | 0.0000 | 81.729 | 0.21537 | 0.00000 | 602892.1 | 437154.0 | 0.0 | S |
| 129.750 | 0.0000 | 0.0000 | 81.729 | 0.21536 | 0.00000 | 602892.1 | 437160.5 | 0.0 | S |
| 129.758 | 0.0000 | 0.0000 | 81.729 | 0.21534 | 0.00000 | 602892.1 | 437166.9 | 0.0 | S |
| 129.767 | 0.0000 | 0.0000 | 81.729 | 0.21533 | 0.00000 | 602892.1 | 437173.4 | 0.0 | S |
| 129.775 | 0.0000 | 0.0000 | 81.729 | 0.21531 | 0.00000 | 602892.1 | 437179.8 | 0.0 | S |
| 129.783 | 0.0000 | 0.0000 | 81.729 | 0.21530 | 0.00000 | 602892.1 | 437186.3 | 0.0 | S |
| 129.792 | 0.0000 | 0.0000 | 81.729 | 0.21529 | 0.00000 | 602892.1 | 437192.8 | 0.0 | S |
| 129.800 | 0.0000 | 0.0000 | 81.728 | 0.21527 | 0.00000 | 602892.1 | 437199.2 | 0.0 | S |
| 129.808 | 0.0000 | 0.0000 | 81.728 | 0.21526 | 0.00000 | 602892.1 | 437205.7 | 0.0 | S |
| 129.817 | 0.0000 | 0.0000 | 81.728 | 0.21524 | 0.00000 | 602892.1 | 437212.2 | 0.0 | S |
| 129.825 | 0.0000 | 0.0000 | 81.728 | 0.21523 | 0.00000 | 602892.1 | 437218.6 | 0.0 | S |
| 129.833 | 0.0000 | 0.0000 | 81.728 | 0.21522 | 0.00000 | 602882.1 | 437225.1 | 0.0 | S |
| 129.842 | 0.0000 | 0.0000 | 81.728 | 0.21520 | 0.00000 | 602892.1 | 437231.5 | 0.0 | S |
| 129.850 | 0.0000 | 0.0000 | 81.728 | 0.21519 | 0.00000 | 602892.1 | 437238.0 | 0.0 | S |
| 129.858 | 0.0000 | 0.0000 | 81.728 | 0.21517 | 0.00000 | 602892.1 | 437244.4 | 0.0 | S |
| 129.867 | 0.0000 | 0.0000 | 81.727 | 0.21516 | 0.00000 | 602892.1 | 437250.9 | 0.0 | S |
| 129.875 | 0.0000 | 0.0000 | 81.727 | 0.21515 | 0.00000 | 602892.1 | 437257.3 | 0.0 | S |
| 129.883 | 0.0000 | 0.0000 | 81.727 | 0.21513 | 0.00000 | 602892.1 | 437263.8 | 0.0 | S |
| 129.892 | 0.0000 | 0.0000 | 81.727 | 0.21512 | 0.00000 | 602892.1 | 437270.3 | 0.0 | S |
| 129.900 | 0.0000 | 0.0000 | 81.727 | 0.21510 | 0.00000 | 602892.1 | 437276.7 | 0.0 | S |
| 129.908 | 0.0000 | 0.0000 | 81.727 | 0.21509 | 0.00000 | 602892.1 | 437283.2 | 0.0 | S |
| 129.917 | 0.0000 | 0.0000 | 81.727 | 0.21508 | 0.00000 | 602892.1 | 437289.6 | 0.0 | S |
| 129.925 | 0.0000 | 0.0000 | 81.727 | 0.21506 | 0.00000 | 602892.1 | 437296.1 | 0.0 | S |
| 129.933 | 0.0000 | 0.0000 | 81.727 | 0.21505 | 0.00000 | 602892.1 | 437302.5 | 0.0 | S |
| 129.942 | 0.0000 | 0.0000 | 81.726 | 0.21503 | 0.00000 | 602892.1 | 437309.0 | 0.0 | S |
| 129.950 | 0.0000 | 0.0000 | 81.726 | 0.21502 | 0.00000 | 602892.1 | 437315.4 | 0.0 | S |
| 129.958 | 0.0000 | 0.0000 | 81.726 | 0.21501 | 0.00000 | 602892.1 | 437321.8 | 0.0 | S |
| 129.967 | 0.0000 | 0.0000 | 81.726 | 0.21499 | 0.00000 | 602892.1 | 437328.3 | 0.0 | S |
| 129.975 | 0.0000 | 0.0000 | 81.726 | 0.21498 | 0.00000 | 602892.1 | 437334.8 | 0.0 | S |
| 129.983 | 0.0000 | 0.0000 | 81.726 | 0.21496 | 0.00000 | 602892.1 | 437341.2 | 0.0 | S |
| 129.992 | 0.0000 | 0.0000 | 81.726 | 0.21495 | 0.00000 | 602892.1 | 437347.7 | 0.0 | S |
| 130.000 | 0.0000 | 0.0000 | 81.726 | 0.21494 | 0.00000 | 602892.1 | 437354.1 | 0.0 | S |
| $\ddagger 30.008$ | 0.0000 | 0.0000 | 81.725 | 0.21492 | 0.00000 | 602892.1 | 437360.6 | 0.0 | S |
| 130.017 | 0.0000 | 0.0000 | 81.725 | 0.21491 | 0.00000 | 602892.1 | 437367.0 | 0.0 | S |
| 130.025 | 0.0000 | 0.0000 | 81.725 | 0.21489 | 0.00000 | 602892.1 | 437373.4 | 0.0 | S |
| 130.033 | 0.0000 | 0.0000 | 81.725 | 0.21488 | 0.00000 | 602892.1 | 437379.9 | 0.0 | S |
| 130.042 | 0.0000 | 0.0000 | 81.725 | 0.21487 | 0.00000 | 602892.1 | 437386.3 | 0.0 | S |
| 130.050 | 0.0000 | 0.0000 | 81.725 | 0.21485 | 0.00000 | 602892.1 | 437392.8 | 0.0 | S |
| 130.058 | 0.0000 | 0.0000 | 81.725 | 0.21484 | 0.00000 | 602892.1 | 437399.2 | 0.0 | S |
| 130.067 | 0.0000 | 0.0000 | 81.725 | 0.21482 | 0.00000 | 602892.1 | 437405.7 | 0.0 | S |
| 130.075 | 0.0000 | 0.0000 | 81.725 | 0.21481 | 0.00000 | 602892.1 | 437412.1 | 0.0 | S |
| 130.083 | 0.0000 | 0.0000 | 81.724 | 0.21480 | 0.00000 | 602892.1 | 437418.6 | 0.0 | S |
| 130.092 | 0.0000 | 0.0000 | 81.724 | 0.21478 | 0.00000 | 602892.1 | 437425.0 | 0.0 | S |
| 130.100 | 0.0000 | 0.0000 | 81.724 | 0.21477 | 0.00000 | 602892.1 | 437431.4 | 0.0 | S |
| 130.108 | 0.0000 | 0.0000 | 81.724 | 0.21475 | 0.00000 | 602892.1 | 437437.9 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont.d.)
:: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | inflow Rate <br> ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / 3} \mathrm{~s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Curnulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 130.117 | 0.0000 | 0.0000 | 81.724 | 0.21474 | 0.00000 | 602892.1 | 437444.3 | 0.0 | S |
| 130.125 | 0.0000 | 0.0000 | 81.724 | 0.21473 | 0.00000 | 602892.1 | 437450.8 | 0.0 | S |
| 130.733 | 0.0000 | 0.0000 | 81.724 | 0.21471 | 0.00000 | 602892.1 | 437457.2 | 0.0 | S |
| 130.142 | 0.0000 | 0.0000 | 81.724 | 0.21470 | 0.00000 | 602892.1 | 437463.7 | 0.0 | S |
| 130.150 | 0.0000 | 0.0000 | 81.724 | 0.21468 | 0.00000 | 602892.1 | 437470.1 | 0.0 | S |
| 130.158 | 0.0000 | 0.0000 | 81.723 | 0.21467 | 0.00000 | 602892.1 | 437476.5 | 0.0 | S |
| 130.167 | 0.0000 | 0.0000 | 81.723 | 0.21466 | 0.00000 | 602892.1 | 437483.0 | 0.0 | S |
| 130.175 | 0.0000 | 0.0000 | 81.723 | 0.21464 | 0.00000 | 602892.1 | 437489.4 | 0.0 | S |
| 130.183 | 0.0000 | 0.0000 | 81.723 | 0.21463 | 0.00000 | 602892.1 | 437495.8 | 0.0 | S |
| 130.192 | 0.0000 | 0.0000 | 81.723 | 0.21461 | 0.00000 | 602892.1 | 437502.3 | 0.0 | S |
| 130.200 | 0.0000 | 0.0000 | 81.723 | 0.21460 | 0.00000 | 602892.1 | 437508.8 | 0.0 | S |
| 130.208 | 0.0000 | 0.0000 | 81.723 | 0.21459 | 0.00000 | 602892.1 | 437515.2 | 0.0 | S |
| 130.217 | 0.0000 | 0.0000 | 81.723 | 0.21457 | 0.00000 | 602892.1 | 437521.6 | 0.0 | S |
| 130.225 | 0.0000 | 0.0000 | 81.722 | 0.21456 | 0.00000 | 602892.1 | 437528.1 | 0.0 | S |
| 130.233 | 0.0000 | 0.0000 | 81.722 | 0.21455 | 0.00000 | 602892.1 | 437534.5 | 0.0 | S |
| 130.242 | 0.0000 | 0.0000 | 81.722 | 0.21453 | 0.00000 | 602892.1 | 437540.9 | 0.0 | S |
| 130.250 | 0.0000 | 0.0000 | 81.722 | 0.21452 | 0.00000 | 602892.1 | 437547.3 | 0.0 | S |
| 130.258 | 0.0000 | 0.0000 | 81.722 | 0.21450 | 0.00000 | 602892.1 | 437553.8 | 0.0 | S |
| 130.267 | 0.0000 | 0.0000 | 81.722 | 0.21449 | 0.00000 | 602892.1 | 437560.2 | 0.0 | S |
| 130.275 | 0.0000 | 0.0000 | 81.722 | 0.21448 | 0.00000 | 602892.1 | 437566.7 | 0.0 | S |
| 130.283 | 0.0000 | 0.0000 | 81.722 | 0.21446 | 0.00000 | 602892.1 | 437573.1 | 0.0 | S |
| 130.292 | 0.0000 | 0.0000 | 81.722 | 0.21445 | 0.00000 | 602892.1 | 437579.5 | 0.0 | S |
| 130.300 | 0.0000 | 0.0000 | 81.721 | 0.21443 | 0.00000 | 602892.1 | 437586.0 | 0.0 | S |
| 130.308 | 0.0000 | 0.0000 | 81.721 | 0.21442 | 0.00000 | 602892.1 | 437592.4 | 0.0 | S |
| 130.317 | 0.0000 | 0.0000 | 81.721 | 0.21441 | 0.00000 | 602892.1 | 437598.8 | 0.0 | S |
| 130.325 | 0.0000 | 0.0000 | 81.721 | 0.21439 | 0.00000 | 602892.1 | 437605.3 | 0.0 | S |
| 130.333 | 0.0000 | 0.0000 | 81.721 | 0.21438 | 0.00000 | 602892.1 | 437611.7 | 0.0 | S |
| \$30.342 | 0.0000 | 0.0000 | 81.721 | 0.21436 | 0.00000 | 602892.1 | 437618.1 | 0.0 | S |
| 130.350 | 0.0000 | 0.0000 | 81.721 | 0.21435 | 0.00000 | 602892.1 | 437624.6 | 0.0 | S |
| 130.358 | 0.0000 | 0.0000 | 81.721 | 0.21434 | 0.00000 | 602892.1 | 437631.0 | 0.0 | S |
| 130.367 | 0.0000 | 0.0000 | 81.721 | 0.21432 | 0.00000 | 602892.1 | 437637.4 | 0.0 | S |
| 130.375 | 0.0000 | 0.0000 | 81.720 | 0.21431 | 0.00000 | 602892.1 | 437643.8 | 0.0 | S |
| 130.383 | 0.0000 | 0.0000 | 81.720 | 0.21429 | 0.00000 | 602892.1 | 437650.3 | 0.0 | S |
| 130.392 | 0.0000 | 0.0000 | 81.720 | 0.21428 | 0.00000 | 602892.1 | 437656.7 | 0.0 | S |
| 130.400 | 0.0000 | 0.0000 | 81.720 | 0.21427 | 0.00000 | 602892.1 | 437663.1 | 0.0 | S |
| 130.408 | 0.0000 | 0.0000 | 81.720 | 0.21425 | 0.00000 | 602892.1 | 437669.6 | 0.0 | 5 |
| 130.417 | 0.0000 | 0.0000 | 81.720 | 0.21424 | 0.00000 | 602892.1 | 437676.0 | 0.0 | S |
| 130.425 | 0.0000 | 0.0000 | 81.720 | 0.21422 | 0.00000 | 602892.1 | 437682.4 | 0.0 | S |
| 130.433 | 0.0000 | 0.0000 | 81.720 | 0.21421 | 0.00000 | 602892.1 | 437688.8 | 0.0 | S |
| 130.442 | 0.0000 | 0.0000 | 81.719 | 0.21420 | 0.00000 | 602892.1 | 437695.3 | 0.0 | S |
| 130.450 | 0.0000 | 0.0000 | 81.719 | 0.21418 | 0.00000 | 602892.1 | 437701.7 | 0.0 | S |
| 130.458 | 0.0000 | 0.0000 | 81.719 | 0.21417 | 0.00000 | 602892.1 | 437708.1 | 0.0 | S |
| 130.467 | 0.0000 | 0.0000 | 81.719 | 0.21416 | 0.00000 | 602892.1 | 437714.5 | 0.0 | S |
| 130.475 | 0.0000 | 0.0000 | 81.719 | 0.21414 | 0.00000 | 602892.1 | 437721.0 | 0.0 | S |
| 130.483 | 0.0000 | 0.0000 | 81.719 | 0.21413 | 0.00000 | 602892.1 | 437727.4 | 0.0 | S |
| 130.492 | 0.0000 | 0.0000 | 81.719 | 0.21411 | 0.00000 | 602892.1 | 437733.8 | 0.0 | S |
| 130.500 | 0.0000 | 0.0000 | 81.719 | 0.21410 | 0.00000 | 602892.1 | 437740.2 | 0.0 | S |
| 130.508 | 0.0000 | 0.0000 | 81.719 | 0.21409 | 0.00000 | 602892.1 | 437746.7 | 0.0 | S |
| 130.517 | 0.0000 | 0.0000 | 81.718 | 0.21407 | 0.00000 | 602892.1 | 437753.1 | 0.0 | S |
| 130.525 | 0.0000 | 0.0000 | 81.718 | 0.21406 | 0.00000 | 602892.1 | 437759.5 | 0.0 | S |
| 130.533 | 0.0000 | 0.0000 | 81.718 | 0.21404 | 0.00000 | 602892.1 | 437765.9 | 0.0 | S |
| 130.542 | 0.0000 | 0.0000 | 81.718 | 0.21403 | 0.00000 | 602892.4 | 437772.3 | 0.0 | S |
| 130.550 | 0.0000 | 0.0000 | 81.718 | 0.21402 | 0.00000 | 602892.1 | 437778.8 | 0.0 | S |
| 130.558 | 0.0000 | 0.0000 | 81.718 | 0.21400 | 0.00000 | 602892.1 | 437785.2 | 0.0 | S |
| 130.567 | 0.0000 | 0.0000 | 81.718 | 0.21399 | 0.00000 | 602892.1 | 437791.6 | 0.0 | S |
| 130.575 | 0.0000 | 0.0000 | 81.718 | 0.21397 | 0.00000 | 602892.1 | 437798.0 | 0.0 | S |
| 130.583 | 0.0000 | 0.0000 | 81.718 | 0.21396 | 0.00000 | 602892.1 | 437804.4 | 0.0 | S |
| 130.592 | 0.0000 | 0.0000 | 81.717 | 0.21395 | 0.00000 | 602892.1 | 437810.9 | 0.0 | S |
| 130.600 | 0.0000 | 0.0000 | 81.717 | 0.21393 | 0.00000 | 602892.1 | 437817.3 | 0.0 | 5 |
| 130.608 | 0.0000 | 0.0000 | 81.717 | 0.21392 | 0.00000 | 602892.1 | 437823.7 | 0.0 | S |
| 130.617 | 0.0000 | 0.0000 | 81.717 | 0.21391 | 0.00000 | 602892.1 | 437830.1 | 0.0 | S |
| 130.625 | 0.0000 | 0.0000 | 81.717 | 0.21389 | 0.00000 | 602892.1 | 437836.5 | 0.0 | S |
| 130.633 | 0.0000 | 0.0000 | 81.717 | 0.21388 | 0.00000 | 602892.1 | 437842.9 | 0.0 | S |
| 130.642 | 0.0000 | 0.0000 | 81.717 | 0.21386 | 0.00000 | 602892.1 | 437849.4 | 0.0 | S |
| 130.650 | 0.0000 | 0.0000 | 81.717 | 0.21385 | 0.00000 | 602892.1 | 437855.8 | 0.0 | S |
| 130.658 | 0.0000 | 0.0000 | 81.716 | 0.21384 | 0.00000 | 602892.1 | 437862.2 | 0.0 | S |
| 130.667 | 0.0000 | 0.0000 | 81.716 | 0.21382 | 0.00000 | 602892.1 | 437868.6 | 0.0 | S |
| 130.675 | 0.0000 | 0.0000 | 81.716 | 0.21381 | 0.00000 | 602892.1 | 437875.0 | 0.0 | S |
| 130.683 | 0.0000 | 0.0000 | 81.716 | 0.21379 | 0.00000 | 602892.1 | 437881.4 | 0.0 | S |
| 130.692 | 0.0000 | 0.0000 | 81.716 | 0.21378 | 0.00000 | 602892.1 | 437887.8 | 0.0 | S |
| 130.700 | 0.0000 | 0.0000 | 81.716 | 0.21377 | 0.00000 | 602892.1 | 437894.3 | 0.0 | S |
| 130.708 | 0.0000 | 0.0000 | 81.716 | 0.21375 | 0.00000 | 602892.1 | 437900.7 | 0.0 | S |
| 130.717 | 0.0000 | 0.0000 | 81.716 | 0.21374 | 0.00000 | 602892.7 | 437907.1 | 0.0 | S |
| 130.725 | 0.0000 | 0.0000 | 81.716 | 0.21373 | 0.00000 | 602892.1 | 437913.5 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Infiow Rate (ft ${ }^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation ( f datum) | Infiltration Rate ( $\mathrm{ft}^{2} / \mathrm{s}$ ) | Overflow <br> Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 130.733 | 0.0000 | 0.0000 | 81.715 | 0.21371 | 0.00000 | 602892.1 | 437919.9 | 0.0 | S |
| 130.742 | 0.0000 | 0.0000 | 81.715 | 0.21370 | 0.00000 | 602892.1 | 437926.3 | 0.0 | S |
| 130.750 | 0.0000 | 0.0000 | 81.715 | 0.21368 | 0.00000 | 602892.1 | 437932.8 | 0.0 | S |
| 130.758 | 0.0000 | 0.0000 | 81.715 | 0.21367 | 0.00000 | 602892.1 | 437939.2 | 0.0 | S |
| 130.767 | 0.0000 | 0.0000 | 81.715 | 0.21366 | 0.00000 | 602892.1 | 437945.6 | 0.0 | S |
| 130.775 | 0.0000 | 0.0000 | 81.715 | 0.21364 | 0.00000 | 602892.1 | 437952.0 | 0.0 | S |
| 130.783 | 0.0000 | 0.0000 | 81.715 | 0.21363 | 0.00000 | 602892.1 | 437958.4 | 0.0 | S |
| 130.792 | 0.0000 | 0.0000 | 81.715 | 0.21361 | 0.00000 | 602892.1 | 437964.8 | 0.0 | S |
| 130.800 | 0.0000 | 0.0000 | 81.715 | 0.21360 | 0.00000 | 602892.1 | 437971.2 | 0.0 | S |
| 130.808 | 0.0000 | 0.0000 | 81.714 | 0.21359 | 0.00000 | 602892.1 | 437977.6 | 0.0 | S |
| 130.817 | 0.0000 | 0.0000 | 81.714 | 0.21357 | 0.00000 | 602892.1 | 437984.0 | 0.0 | S |
| 130.825 | 0.0000 | 0.0000 | 81.714 | 0.21356 | 0.00000 | 602892.1 | 437990.4 | 0.0 | S |
| 130.833 | 0.0000 | 0.0000 | 81.714 | 0.21355 | 0.00000 | 602892.1 | 437996.8 | 0.0 | S |
| 130.842 | 0.0000 | 0.0000 | 81.714 | 0.21353 | 0.00000 | 602892.1 | 438003.2 | 0.0 | S |
| 130.850 | 0.0000 | 0.0000 | 81.714 | 0.21352 | 0.00000 | 602892.1 | 438009.6 | 0.0 | S |
| 130.858 | 0.0000 | 0.0000 | 81.714 | 0.21350 | 0.00000 | 602892.1 | 438016.0 | 0.0 | S |
| 130.867 | 0.0000 | 0.0000 | 81.714 | 0.21349 | 0.00000 | 602892.1 | 438022.4 | 0.0 | S |
| 130.875 | 0.0000 | 0.0000 | 81.713 | 0.21348 | 0.00000 | 602892.1 | 438028.8 | 0.0 | S |
| 130.883 | 0.0000 | 0.0000 | 81.713 | 0.21346 | 0.00000 | 602892.1 | 438035.3 | 0.0 | S |
| 130.892 | 0.0000 | 0.0000 | 81.713 | 0.21345 | 0.00000 | 602892.1 | 438041.7 | 0.0 | S |
| 130.900 | 0.0000 | 0.0000 | 81.713 | 0.21343 | 0.00000 | 602892.1 | 438048.1 | 0.0 | S |
| 130.908 | 0.0000 | 0.0000 | 81.713 | 0.2 ¢342 | 0.00000 | 602892.1 | 438054.5 | 0.0 | S |
| 130.917 | 0.0000 | 0.0000 | 81.713 | 0.21341 | 0.00000 | 602892.1 | 438060.9 | 0.0 | S |
| 130.925 | 0.0000 | 0.0000 | 81.713 | 0.21339 | 0.00000 | 602892.1 | 438067.3 | 0.0 | S |
| 130.933 | 0.0000 | 0.0000 | 81.713 | 0.21338 | 0.00000 | 602892.1 | 438073.7 | 0.0 | S |
| 130.942 | 0.0000 | 0.0000 | 81.713 | 0.21337 | 0.00000 | 602892.1 | 438080.1 | 0.0 | S |
| 130.950 | 0.0000 | 0.0000 | 81.712 | 0.21335 | 0.00000 | 602892.1 | 438086.5 | 0.0 | S |
| 130.958 | 0.0000 | 0.0000 | 81.712 | 0.21334 | 0.00000 | 602892.1 | 438092.9 | 0.0 | S |
| 130.967 | 0.0000 | 0.0000 | 81.712 | 0.21332 | 0.00000 | 602892.1 | 438099.3 | 0.0 | S |
| 130.975 | 0.0000 | 0.0000 | 81.712 | 0.21331 | 0.00000 | 602892.1 | 438105.7 | 0.0 | S |
| 130.983 | 0.0000 | 0.0000 | 81.712 | 0.21330 | 0.00000 | 602892.1 | 438112.1 | 0.0 | S |
| 130.992 | 0.0000 | 0.0000 | 81.712 | 0.21328 | 0.00000 | 602892.1 | 438118.5 | 0.0 | S |
| 131.000 | 0.0000 | 0.0000 | 81.712 | 0.21327 | 0.00000 | 602892.1 | 438124.9 | 0.0 | S |
| 131.008 | 0.0000 | 0.0000 | 81.712 | 0.21326 | 0.00000 | 602892.1 | 438131.3 | 0.0 | S |
| 131.017 | 0.0000 | 0.0000 | 81.712 | 0.21324 | 0.00000 | 602892.1 | 438137.7 | 0.0 | S |
| 131.025 | 0.0000 | 0.0000 | 81.711 | 0.21323 | 0.00000 | 602892.1 | 438144.1 | 0.0 | S |
| 131.033 | 0.0000 | 0.0000 | 81.711 | 0.21321 | 0.00000 | 602892.1 | 438150.4 | 0.0 | S |
| 131.042 | 0.0000 | 0.0000 | 81.711 | 0.21320 | 0.00000 | 602892.1 | 438156.8 | 0.0 | S |
| 131.050 | 0.0000 | 0.0000 | 81.711 | 0.21319 | 0.00000 | 602892.1 | 438163.3 | 0.0 | S |
| 131.058 | 0.0000 | 0.0000 | 81.711 | 0.21317 | 0.00000 | 602892.1 | 438169.6 | 0.0 | S |
| 131.067 | 0.0000 | 0.0000 | 81.711 | 0.21316 | 0.00000 | 602892.1 | 438176.0 | 0.0 | S |
| 131.075 | 0.0000 | 0.0000 | 81.711 | 0.21314 | 0.00000 | 602892.1 | 438182.4 | 0.0 | S |
| 131.083 | 0.0000 | 0.0000 | 81.711 | 0.21313 | 0.00000 | 602892.1 | 438188.8 | 0.0 | S |
| 131.092 | 0.0000 | 0.0000 | 81.710 | 0.21312 | 0.00000 | 602892.1 | 438195.2 | 0.0 | S |
| 131.100 | 0.0000 | 0.0000 | 81.710 | 0.21310 | 0.00000 | 602892.1 | 438201.6 | 0.0 | S |
| 131.108 | 0.0000 | 0.0000 | 81.710 | 0.21309 | 0.00000 | 602892.1 | 438208.0 | 0.0 | S |
| 131.117 | 0.0000 | 0.0000 | 81.710 | 0.21308 | 0.00000 | 602892.1 | 438214.4 | 0.0 | S |
| 131.125 | 0.0000 | 0.0000 | 81.710 | 0.21306 | 0.00000 | 602892.1 | 438220.8 | 0.0 | S |
| 131.133 | 0.0000 | 0.0000 | 81.710 | 0.21305 | 0.00000 | 602892.1 | 438227.2 | 0.0 | S |
| 131.142 | 0,0000 | 0.0000 | 81.710 | 0.21303 | 0.00000 | 602892.1 | 438233.6 | 0.0 | S |
| 131.150 | 0.0000 | 0.0000 | 81.710 | 0.21302 | 0.00000 | 602892.1 | 438240.0 | 0.0 | S |
| 131.158 | 0.0000 | 0.0000 | 81.710 | 0.21301 | 0.00000 | 602892.1 | 438246.3 | 0.0 | S |
| 131.167 | 0.0000 | 0.0000 | 81.709 | 0.21299 | 0.00000 | 602892.1 | 438252.8 | 0.0 | S |
| 131.175 | 0.0000 | 0.0000 | 81.709 | 0.21298 | 0.00000 | 602892.1 | 438259.1 | 0.0 | S |
| 131.183 | 0.0000 | 0.0000 | 81.709 | 0.21297 | 0.00000 | 602892.1 | 438265.5 | 0.0 | S |
| 131.192 | 0.0000 | 0.0000 | 81.709 | 0.21295 | 0.00000 | 602892.1 | 438271.9 | 0.0 | S |
| 131.200 | 0.0000 | 0.0000 | 81.709 | 0.21294 | 0.00000 | 602892.1 | 438278.3 | 0.0 | S |
| 131.208 | 0.0000 | 0.0000 | 81.709 | 0.21292 | 0.00000 | 602892.1 | 438284.7 | 0.0 | S |
| 131.217 | 0.0000 | 0.0000 | 81.709 | 0.21291 | 0.00000 | 602892.4 | 438291.1 | 0.0 | S |
| 131.225 | 0.0000 | 0.0000 | 81.709 | 0.21290 | 0.00000 | 602892.1 | 438297.5 | 0.0 | S |
| 131.233 | 0.0000 | 0.0000 | 81.709 | 0.21288 | 0.00000 | 602892.1 | 438303.8 | 0.0 | S |
| 131.242 | 0.0000 | 0.0000 | 81.708 | 0.21287 | 0.00000 | 602892.1 | 438310.2 | 0.0 | S |
| 131.250 | 0.0000 | 0.0000 | 81.708 | 0.21286 | 0.00000 | 602892.1 | 438316.6 | 0.0 | S |
| 131.258 | 0.0000 | 0.0000 | 81.708 | 0.21284 | 0.00000 | 602892.1 | 438323.0 | 0.0 | S |
| 131.267 | 0.0000 | 0.0000 | 81.708 | 0.21283 | 0.00000 | 602892.1 | 438329.4 | 0.0 | S |
| 131.275 | 0.0000 | 0.0000 | 81.708 | 0.21281 | 0.00000 | 602892.1 | 438335.8 | 0.0 | S |
| 131.283 | 0.0000 | 0.0000 | 81.708 | 0.21280 | 0.00000 | 602892.1 | 438342.2 | 0.0 | S |
| 131.292 | 0.0000 | 0.0000 | 81.708 | 0.21279 | 0.00000 | 602892.1 | 438348.5 | 0.0 | S |
| 131.300 | 0.0000 | 0.0000 | 81.708 | 0.21277 | 0.00000 | 602892.1 | 438354.9 | 0.0 | S |
| 131.308 | 0.0000 | 0.0000 | 81.708 | 0.21276 | 0.00000 | 602892.1 | 438361.3 | 0.0 | S |
| 131.317 | 0.0000 | 0.0000 | 81.707 | 0.21275 | 0.00000 | 602892.1 | 438367.7 | 0.0 | S |
| 131.325 | 0.0000 | 0.0000 | 81.707 | 0.21273 | 0.00000 | 602892.1 | 438374.1 | 0.0 | S |
| 131.333 | 0.0000 | 0.0000 | 81.707 | 0.21272 | 0.00000 | 602892.1 | 438380.5 | 0.0 | S |
| 131.342 | 0.0000 | 0.0000 | 81.707 | 0.21270 | 0.00000 | 602892.1 | 438386.8 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year $/ 24$ hour routing with pond 10 overflow

| Elapsed <br> Time (hours) | Inflow Rate ( $\mathrm{f}{ }^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{fl}^{3 / \mathrm{s})}$ | $\begin{gathered} \text { Cumulative } \\ \text { inflow } \\ \text { volume (ft }{ }^{3} \text { ) } \end{gathered}$ | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 731.350 | 0.0000 | 0.0000 | 81.707 | 0.21269 | 0.00000 | 602892.1 | 438393.2 | 0.0 | S |
| 131.358 | 0.0000 | 0.0000 | 81.707 | 0.21268 | 0.00000 | 602892.1 | 438399.6 | 0.0 | S |
| 131.367 | 0.0000 | 0.0000 | 81.707 | 0.21266 | 0.00000 | 602892.1 | 438406.0 | 0.0 | S |
| 131.375 | 0.0000 | 0.0000 | 81.707 | 0.21265 | 0.00000 | 602892.1 | 438412.3 | 0.0 | S |
| 131.383 | 0.0000 | 0.0000 | 81.706 | 0.21264 | 0.00000 | 602892.1 | 438418.8 | 0.0 | S |
| 131.392 | 0.0000 | 0.0000 | 81.706 | 0.21262 | 0.00000 | 602892.1 | 438425.1 | 0.0 | S |
| 131.400 | 0.0000 | 0.0000 | 81.706 | 0.21261 | 0.00000 | 602892.1 | 438431.5 | 0.0 | S |
| 131.408 | 0.0000 | 0.0000 | 81.706 | 0.21260 | 0.00000 | 602892.1 | 438437.9 | 0.0 | S |
| 131.417 | 0.0000 | 0.0000 | 81.706 | 0.21258 | 0.00000 | 602892.1 | 438444.3 | 0.0 | S |
| 131.425 | 0.0000 | 0.0000 | 81.706 | 0.21257 | 0.00000 | 602892.1 | 438450.6 | 0.0 | S |
| 131.433 | 0.0000 | 0.0000 | 81.706 | 0.21255 | 0.00000 | 602892.1 | 438457.0 | 0.0 | S |
| 131.442 | 0.0000 | 0.0000 | 81.706 | 0.21254 | 0.00000 | 602892.1 | 438463.4 | 0.0 | S |
| 131.450 | 0.0000 | 0.0000 | 81.706 | 0.21253 | 0.00000 | 602892.1 | 438469.8 | 0.0 | S |
| 131.458 | 0.0000 | 0.0000 | 81.705 | 0.21251 | 0.00000 | 602892.1 | 438476.1 | 0.0 | S |
| 131.467 | 0.0000 | 0.0000 | 81.705 | 0.21250 | 0.00000 | 602892.1 | 438482.5 | 0.0 | S |
| 131.475 | 0.0000 | 0.0000 | 81.705 | 0.21249 | 0.00000 | 602892.1 | 438488.9 | 0.0 | S |
| 131.483 | 0.0000 | 0.0000 | 81.705 | 0.21247 | 0.00000 | 602892.1 | 438495.3 | 0.0 | S |
| 131.492 | 0.0000 | 0.0000 | 81.705 | 0.21246 | 0.00000 | 602892.1 | 438501.6 | 0.0 | S |
| 131.500 | 0.0000 | 0.0000 | 81.705 | 0.21244 | 0.00000 | 602892.1 | 438508.0 | 0.0 | S |
| 131.508 | 0.0000 | 0.0000 | 81.705 | 0.21243 | 0.00000 | 602892.1 | 438514.4 | 0.0 | S |
| 131.517 | 0.0000 | 0.0000 | 81.705 | 0.21242 | 0.00000 | 602892.1 | 438520.8 | 0.0 | S |
| 131.525 | 0.0000 | 0.0000 | 81.705 | 0.21240 | 0.00000 | 602892.1 | 438527.1 | 0.0 | S |
| 131.533 | 0.0000 | 0.0000 | 81.704 | 0.21239 | 0.00000 | 602892.1 | 438533.5 | 0.0 | S |
| 131.542 | 0.0000 | 0.0000 | 81.704 | 0.21238 | 0.00000 | 602892.1 | 438539.9 | 0.0 | S |
| 131.550 | 0.0000 | 0.0000 | 81.704 | 0.21236 | 0.00000 | 602892.1 | 438546.3 | 0.0 | S |
| 131.558 | 0.0000 | 0.0000 | 81.704 | 0.21235 | 0.00000 | 602892.1 | 438552.6 | 0.0 | S |
| 131.567 | 0.0000 | 0.0000 | 81.704 | 0.21233 | 0.00000 | 602892.1 | 438559.0 | 0.0 | S |
| 131.575 | 0.0000 | 0.0000 | 81.704 | 0.21232 | 0.00000 | 602892.1 | 438565.3 | 0.0 | S |
| 131.583 | 0.0000 | 0.0000 | 81.704 | 0.21231 | 0.00000 | 602892.1 | 438571.7 | 0.0 | S |
| 131.592 | 0.0000 | 0.0000 | 81.704 | 0.21229 | 0.00000 | 602892.1 | 438578.1 | 0.0 | S |
| 131.600 | 0.0000 | 0.0000 | 81.704 | 0.21228 | 0.00000 | 602892.1 | 438584.5 | 0.0 | S |
| 131.608 | 0.0000 | 0.0000 | 81.703 | 0.21227 | 0.00000 | 602892.1 | 438590.8 | 0.0 | S |
| 131.617 | 0.0000 | 0.0000 | 81.703 | 0.21225 | 0.00000 | 602892.1 | 438597.2 | 0.0 | S |
| 131.625 | 0.0000 | 0.0000 | 81.703 | 0.21224 | 0.00000 | 602892.1 | 438603.6 | 0.0 | S |
| 131.633 | 0.0000 | 0.0000 | 81.703 | 0.21223 | 0.00000 | 602892.1 | 438609.9 | 0.0 | S |
| 131.642 | 0.0000 | 0.0000 | 81.703 | 0.21221 | 0.00000 | 602892.1 | 438616.3 | 0.0 | S |
| 131.650 | 0.0000 | 0.0000 | 81.703 | 0.21220 | 0.00000 | 602892.1 | 438622.7 | 0.0 | S |
| 131.658 | 0.0000 | 0.0000 | 81.703 | 0.21218 | 0.00000 | 602892.1 | 438629.0 | 0.0 | S |
| \$31.667 | 0.0000 | 0.0000 | 81.703 | 0.21217 | 0.00000 | 602892.1 | 438635.4 | 0.0 | S |
| 131.675 | 0.0000 | 0.0000 | 81.702 | 0.21216 | 0.00000 | 602892.1 | 438641.8 | 0.0 | S |
| 131.683 | 0.0000 | 0.0000 | 81.702 | 0.21214 | 0.00000 | 602892.1 | 438648.1 | 0.0 | S |
| 131.692 | 0.0000 | 0.0000 | 81.702 | 0.21213 | 0.00000 | 602892.1 | 438654.5 | 0.0 | S |
| 131.700 | 0.0000 | 0.0000 | 81.702 | 0.21212 | 0.00000 | 602892.1 | 438660.8 | 0.0 | S |
| 131.708 | 0.0000 | 0.0000 | 81.702 | 0.21210 | 0.00000 | 602892.1 | 438667.2 | 0.0 | S |
| 131.717 | 0.0000 | 0.0000 | 81.702 | 0.21209 | 0.00000 | 602892.1 | 438673.6 | 0.0 | S |
| 131.725 | 0.0000 | 0.0000 | 81.702 | 0.21208 | 0.00000 | 602892.1 | 438679.9 | 0.0 | S |
| 131.733 | 0.0000 | 0.0000 | 81.702 | 0.21206 | 0.00000 | 602892.1 | 438686.3 | 0.0 | S |
| 131.742 | 0.0000 | 0.0000 | 81.702 | 0.21205 | 0.00000 | 602892.1 | 438692.7 | 0.0 | S |
| 131.750 | 0.0000 | 0.0000 | 81.701 | 0.21203 | 0.00000 | 602892.1 | 438699.0 | 0.0 | S |
| 131.758 | 0.0000 | 0.0000 | 81.701 | 0.21202 | 0.00000 | 602892.1 | 438705.4 | 0.0 | S |
| 131.767 | 0.0000 | 0.0000 | 81.701 | 0.21201 | 0.00000 | 602892.1 | 438711.8 | 0.0 | S |
| 131.775 | 0.0000 | 0.0000 | 81.701 | 0.21199 | 0.00000 | 602892.1 | 438718.1 | 0.0 | S |
| 131.783 | 0.0000 | 0.0000 | 81.701 | 0.21198 | 0.00000 | 602892.1 | 438724.5 | 0.0 | S |
| 131.792 | 0.0000 | 0.0000 | 81.701 | 0.21197 | 0.00000 | 602892.1 | 438730.8 | 0.0 | S |
| 131.800 | 0.0000 | 0.0000 | 81.701 | 0.21195 | 0.00000 | 602892.1 | 438737.2 | 0.0 | S |
| 131.808 | 0.0000 | 0.0000 | 81.701 | 0.21194 | 0.00000 | 602892.1 | 438743.5 | 0.0 | S |
| 131.817 | 0.0000 | 0.0000 | 81.701 | 0.21193 | 0.00000 | 602892.1 | 438749.9 | 0.0 | S |
| 131.825 | 0.0000 | 0.0000 | 81.700 | 0.21191 | 0.00000 | 602892.1 | 438756.3 | 0.0 | S |
| 131.833 | 0.0000 | 0.0000 | 81.700 | 0.21190 | 0.00000 | 602892.1 | 438762.6 | 0.0 | S |
| 131.842 | 0.0000 | 0.0000 | 81.700 | 0.21188 | 0.00000 | 602892.1 | 438769.0 | 0.0 | S |
| 131.850 | 0.0000 | 0.0000 | 81.700 | 0.21187 | 0.00000 | 602892.1 | 438775.3 | 0.0 | S |
| 131.858 | 0.0000 | 0.0000 | 81.700 | 0.21186 | 0.00000 | 602892.1 | 438781.7 | 0.0 | S |
| 131.867 | 0.0000 | 0.0000 | 81.700 | 0.21184 | 0.00000 | 602892.1 | 438788.0 | 0.0 | S |
| 131.875 | 0.0000 | 0.0000 | 81.700 | 0.21183 | 0.00000 | 602892.1 | 438794.4 | 0.0 | S |
| 131.883 | 0.0000 | 0.0000 | 81.700 | 0.21182 | 0.00000 | 602892.1 | 438800.8 | 0.0 | S |
| 131.892 | 0.0000 | 0.0000 | 81.699 | 0.21180 | 0.00000 | 602892.1 | 438807.1 | 0.0 | S |
| 131.900 | 0.0000 | 0.0000 | 81.699 | 0.21179 | 0.00000 | 602892.1 | 438813.4 | 0.0 | S |
| 131.908 | 0.0000 | 0.0000 | 81.699 | 0.21178 | 0.00000 | 602892.1 | 438819.8 | 0.0 | S |
| 131.917 | 0.0000 | 0.0000 | 81.699 | 0.21176 | 0.00000 | 602892.1 | 438826.2 | 0.0 | S |
| 131.925 | 0.0000 | 0.0000 | 81.699 | 0.21175 | 0.00000 | 602892.1 | 438832.5 | 0.0 | S |
| 131.933 | 0.0000 | 0.0000 | 81.699 | 0.21173 | 0.00000 | 602892.1 | 438838.9 | 0.0 | S |
| 131.942 | 0.0000 | 0.0000 | 81.699 | 0.21172 | 0.00000 | 602892.1 | 438845.2 | 0.0 | S |
| 131.950 | 0.0000 | 0.0000 | 81.699 | 0.21171 | 0.00000 | 602892.1 | 438851.6 | 0.0 | S |
| 131.958 | 0.0000 | 0,0000 | 81.699 | 0.21169 | 0.00000 | 602892.1 | 438857.9 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year/24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{fl}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 131.967 | 0.0000 | 0.0000 | 81.698 | 0.21168 | 0.00000 | 602892.1 | 438864.3 | 0.0 | S |
| 131.975 | 0.0000 | 0.0000 | 81.698 | 0.21167 | 0.00000 | 602892.1 | 438870.6 | 0.0 | S |
| 131.983 | 0.0000 | 0.0000 | 81.698 | 0.21165 | 0.00000 | 602892.1 | 438877.0 | 0.0 | S |
| 131.992 | 0.0000 | 0.0000 | 81.698 | 0.21164 | 0.00000 | 602892.1 | 438883.3 | 0.0 | S |
| 132.000 | 0.0000 | 0.0000 | 81.698 | 0.21163 | 0.00000 | 602892.1 | 438889.7 | 0.0 | S |
| 132.008 | 0.0000 | 0.0000 | 81.698 | 0.21161 | 0.00000 | 602892.1 | 438896.0 | 0.0 | S |
| 132.017 | 0.0000 | 0.0000 | 81.698 | 0.21160 | 0.00000 | 602892.1 | 438902.4 | 0.0 | S |
| 132.025 | 0.0000 | 0.0000 | 81.698 | 0.21158 | 0.00000 | 602892.1 | 438908.7 | 0.0 | S |
| 132.033 | 0.0000 | 0.0000 | 81.698 | 0.21157 | 0.00000 | 602892.1 | 438915.1 | 0.0 | S |
| 132.042 | 0.0000 | 0.0000 | 81.697 | 0.27156 | 0.00000 | 602892.1 | 438921.4 | 0.0 | S |
| 132.050 | 0.0000 | 0.0000 | 81.697 | 0.21154 | 0.00000 | 602892.1 | 438927.8 | 0.0 | S |
| 132.058 | 0.0000 | 0.0000 | 81.697 | 0.21153 | 0.00000 | 602892.1 | 438934.1 | 0.0 | S |
| 132.067 | 0.0000 | 0.0000 | 81.697 | 0.21152 | 0.00000 | 602892.1 | 438940.4 | 0.0 | S |
| 132.075 | 0.0000 | 0.0000 | 81.697 | 0.21150 | 0.00000 | 602892.1 | 438946.8 | 0.0 | S |
| 132.083 | 0.0000 | 0.0000 | 81.697 | 0.21149 | 0.00000 | 602892.1 | 438953.1 | 0.0 | S |
| 132.092 | 0.0000 | 0.0000 | 81.697 | 0.21148 | 0.00000 | 602892.1 | 438959.5 | 0.0 | S |
| 132.100 | 0.0000 | 0.0000 | 81.697 | 0.21146 | 0.00000 | 602892.1 | 438965.8 | 0.0 | S |
| 132.108 | 0.0000 | 0.0000 | 81.697 | 0.21145 | 0.00000 | 602892.1 | 438972.2 | 0.0 | S |
| 132.117 | 0.0000 | 0.0000 | 81.696 | 0.21144 | 0.00000 | 602892.1 | 438978.5 | 0.0 | S |
| 132.125 | 0.0000 | 0.0000 | 81.696 | 0.21142 | 0.00000 | 602892.1 | 438984.8 | 0.0 | S |
| 132.133 | 0.0000 | 0.0000 | 81.696 | 0.21141 | 0.00000 | 602892.1 | 438991.2 | 0.0 | S |
| 132.142 | 0.0000 | 0.0000 | 81.696 | 0.21139 | 0.00000 | 602892.1 | 438997.5 | 0.0 | S |
| 132.150 | 0.0000 | 0.0000 | 81.696 | 0.21138 | 0.00000 | 602892.1 | 439003.9 | 0.0 | S |
| 132.158 | 0.0000 | 0.0000 | 81.696 | 0.21137 | 0.00000 | 602892.1 | 439010.2 | 0.0 | S |
| 132.167 | 0.0000 | 0.0000 | 81.696 | 0.21135 | 0.00000 | 602892.1 | 439016.6 | 0.0 | S |
| 132.175 | 0.0000 | 0.0000 | 81.696 | 0.21134 | 0.00000 | 602892.1 | 439022.9 | 0.0 | S |
| 132.183 | 0.0000 | 0.0000 | 81.696 | 0.21133 | 0.00000 | 602892.1 | 439029.3 | 0.0 | S |
| 132.192 | 0.0000 | 0.0000 | 81.695 | 0.21131 | 0.00000 | 602892.1 | 439035.6 | 0.0 | S |
| 132.200 | 0.0000 | 0.0000 | 81.695 | 0.21130 | 0.00000 | 602892.1 | 439041.9 | 0.0 | S |
| 132.208 | 0.0000 | 0.0000 | 81.695 | 0.21129 | 0.00000 | 602892.1 | 439048.3 | 0.0 | S |
| 132.217 | 0.0000 | 0.0000 | 81.695 | 0.21127 | 0.00000 | 602892.1 | 439054.6 | 0.0 | S |
| 132.225 | 0.0000 | 0.0000 | 81.695 | 0.21126 | 0.00000 | 602892.1 | 439060.9 | 0.0 | S |
| 132.233 | 0.0000 | 0.0000 | 81.695 | 0.21125 | 0.00000 | 602892.1 | 439067.3 | 0.0 | S |
| 132.242 | 0.0000 | 0.0000 | 81.695 | 0.21123 | 0.00000 | 602892.1 | 439073.6 | 0.0 | S |
| 132.250 | 0.0000 | 0.0000 | 81.695 | 0.21122 | 0.00000 | 602892.1 | 439079.9 | 0.0 | S |
| 132.258 | 0.0000 | 0.0000 | 81.694 | 0.21120 | 0.00000 | 602892.1 | 439086.3 | 0.0 | S |
| 132.267 | 0.0000 | 0.0000 | 81.694 | 0.21119 | 0.00000 | 602892.1 | 439092.6 | 0.0 | S |
| 132.275 | 0.0000 | 0.0000 | 81.694 | 0.21118 | 0.00000 | 602892.1 | 439099.0 | 0.0 | S |
| 132.283 | 0.0000 | 0.0000 | 81.694 | $0.21 才 16$ | 0.00000 | 602892.1 | 439105.3 | 0.0 | S |
| 132.292 | 0.0000 | 0.0000 | 81.694 | $0.21 \pm 15$ | 0.00000 | 602892.1 | 439111.6 | 0.0 | S |
| 132.300 | 0.0000 | 0.0000 | 81.694 | 0.21114 | 0.00000 | 602892.1 | 439118.0 | 0.0 | S |
| 132.308 | 0.0000 | 0.0000 | 81.694 | 0.21112 | 0.00000 | 602892.1 | 439124.3 | 0.0 | S |
| 132.317 | 0.0000 | 0.0000 | 81.694 | 0.21111 | 0.00000 | 602892.1 | 439130.6 | 0.0 | S |
| 132.325 | 0.0000 | 0.0000 | 81.694 | 0.21110 | 0.00000 | 602892.1 | 439137.0 | 0.0 | S |
| 132.333 | 0.0000 | 0.0000 | 81.693 | 0.21108 | 0.00000 | 602892.1 | 439143.3 | 0.0 | S |
| 132.342 | 0.0000 | 0.0000 | 81.693 | 0.21107 | 0.00000 | 602892.1 | 439149.6 | 0.0 | S |
| 132.350 | 0.0000 | 0.0000 | 81.693 | 0.21106 | 0.00000 | 602892.1 | 439156.0 | 0.0 | S |
| 132.358 | 0.0000 | 0.0000 | 81.693 | 0.21104 | 0.00000 | 602892.1 | 439162.3 | 0.0 | S |
| 132.367 | 0.0000 | 0.0000 | 81.693 | 0.21103 | 0.00000 | 602892.1 | 439168.6 | 0.0 | S |
| 132.375 | 0.0000 | 0.0000 | 81.693 | 0.21102 | 0.00000 | 602892.1 | 439174.9 | 0.0 | S |
| \$32.383 | 0.0000 | 0.0000 | 81.693 | 0.21100 | 0.00000 | 602892.1 | 439181.3 | 0.0 | S |
| 132.392 | 0.0000 | 0.0000 | 81.693 | 0.21099 | 0.00000 | 602892.1 | 439187.6 | 0.0 | S |
| 132.400 | 0.0000 | 0.0000 | 81.693 | 0.21097 | 0.00000 | 602892.1 | 439193.9 | 0.0 | S |
| 132.408 | 0.0000 | 0.0000 | 81.692 | 0.21096 | 0.00000 | 602892.1 | 439200.3 | 0.0 | S |
| 132.417 | 0.0000 | 0.0000 | 81.692 | 0.21095 | 0.00000 | 602892.1 | 439206.6 | 0.0 | S |
| 132.425 | 0.0000 | 0.0000 | 81.692 | 0.21093 | 0.00000 | 602892.1 | 439212.9 | 0.0 | S |
| 132.433 | 0.0000 | 0.0000 | 81.692 | 0.21092 | 0.00000 | 602892.1 | 439219.3 | 0.0 | S |
| 132.442 | 0.0000 | 0.0000 | 81.692 | 0.21091 | 0.00000 | 602892.7 | 439225.6 | 0.0 | S |
| 132.450 | 0.0000 | 0.0000 | 81.692 | 0.21089 | 0.00000 | 602892.1 | 439231.9 | 0.0 | S |
| 132.458 | 0.0000 | 0.0000 | 81.692 | 0.21088 | 0.00000 | 602892.1 | 439238.2 | 0.0 | S |
| 132.467 | 0.0000 | 0.0000 | 81.692 | 0.21087 | 0.00000 | 602892.1 | 439244.6 | 0.0 | S |
| 132.475 | 0.0000 | 0.0000 | 81.692 | 0.21085 | 0.00000 | 602892.1 | 439250.9 | 0.0 | S |
| 132.483 | 0.0000 | 0.0000 | 81.691 | 0.21084 | 0.00000 | 602892.1 | 439257.2 | 0.0 | S |
| 132.492 | 0.0000 | 0.0000 | 81.691 | 0.21083 | 0.00000 | 602892.1 | 439263.5 | 0.0 | S |
| 132.500 | 0.0000 | 0.0000 | 81.691 | 0.21081 | 0.00000 | 602892.1 | 439269.9 | 0.0 | S |
| 132.508 | 0.0000 | 0.0000 | 81.691 | 0.21080 | 0.00000 | 602892.1 | 439276.2 | 0.0 | S |
| 132.517 | 0.0000 | 0.0000 | 81.691 | 0.21079 | 0.00000 | 602892.1 | 439282.5 | 0.0 | S |
| 132.525 | 0.0000 | 0.0000 | 81.691 | 0.21077 | 0.00000 | 602892.1 | 439288.8 | 0.0 | S |
| 132.533 | 0.0000 | 0.0000 | 81.691 | 0.21076 | 0.00000 | 602892.1 | 439295.2 | 0.0 | S |
| 132.542 | 0.0000 | 0.0000 | 81.691 | 0.21075 | 0.00000 | 602892.1 | 439301.5 | 0.0 | S |
| 132.550 | 0.0000 | 0.0000 | 81.690 | 0.21073 | 0.00000 | 602892.1 | 439307.8 | 0.0 | S |
| 132.558 | 0.0000 | 0.0000 | 81.690 | 0.21072 | 0.00000 | 602892.1 | 439314.1 | 0.0 | S |
| 132.567 | 0.0000 | 0.0000 | 81.690 | 0.21070 | 0.00000 | 602892.1 | 439320.4 | 0.0 | S |
| 132.575 | 0.0000 | 0.0000 | 81.690 | 0.21069 | 0.00000 | 602892.1 | 439326.8 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{F}^{3 / 3 / \mathrm{s} \text { ) }) ~}$ | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 132.583 | 0.0000 | 0.0000 | 81.690 | 0.21068 | 0.00000 | 602892.1 | 439333.1 | 0.0 | S |
| 132.592 | 0.0000 | 0.0000 | 81.690 | 0.21066 | 0.00000 | 602892.1 | 439339.4 | 0.0 | S |
| 132.600 | 0.0000 | 0.0000 | 81.690 | 0.21065 | 0.00000 | 602892.1 | 439345.7 | 0.0 | S |
| 132.608 | 0.0000 | 0.0000 | $81: 690$ | 0.21064 | 0.00000 | 602892.1 | 439352.0 | 0.0 | S |
| 132.617 | 0.0000 | 0.0000 | 81.690 | 0.21062 | 0.00000 | 602892.1 | 439358.4 | 0.0 | S |
| 132.625 | 0.0000 | 0.0000 | 81.689 | 0.21061 | 0.00000 | 602892.1 | 439364.7 | 0.0 | S |
| 132.633 | 0.0000 | 0.0000 | 81.689 | 0.21060 | 0.00000 | 602892.1 | 439371.0 | 0.0 | S |
| 132.642 | 0.0000 | 0.0000 | 81.689 | 0.21058 | 0.00000 | 602892.1 | 439377.3 | 0.0 | S |
| 132.650 | 0.0000 | 0.0000 | 81.689 | 0.21057 | 0.00000 | 602892.1 | 439383.6 | 0.0 | S |
| 132.658 | 0.0000 | 0.0000 | 81.689 | 0.21056 | 0.00000 | 602892.1 | 439389.9 | 0.0 | S |
| 132.667 | 0.0000 | 0.0000 | 81.689 | 0.21054 | 0.00000 | 602892.1 | 439396.3 | 0.0 | S |
| 132.675 | 0.0000 | 0.0000 | 81.689 | 0.21053 | 0.00000 | 602892.1 | 439402.6 | 0.0 | S |
| 132.683 | 0.0000 | 0.0000 | 81.689 | 0.21052 | 0.00000 | 602892.1 | 439408.9 | 0.0 | S |
| 132.692 | 0.0000 | 0.0000 | 81.689 | 0.21050 | 0.00000 | 602892.1 | 439415.2 | 0.0 | S |
| $\$ 32.700$ | 0.0000 | 0.0000 | 81.688 | 0.21049 | 0.00000 | 602892.1 | 439421.5 | 0.0 | S |
| 132.708 | 0.0000 | 0.0000 | 81.688 | 0.21048 | 0.00000 | 602892.1 | 439427.8 | 0.0 | S |
| 132.717 | 0.0000 | 0.0000 | 81.688 | 0.21046 | 0.00000 | 602892.1 | 439434.2 | 0.0 | S |
| 132.725 | 0.0000 | 0.0000 | 81.688 | 0.21045 | 0.00000 | 602892.1 | 439440.5 | 0.0 | S |
| 132.733 | 0.0000 | 0.0000 | 81.688 | 0.21044 | 0.00000 | 602892.1 | 439446.8 | 0.0 | S |
| 132.742 | 0.0000 | 0.0000 | 81.688 | 0.21042 | 0.00000 | 602892.1 | 439453.1 | 0.0 | S |
| 132.750 | 0.0000 | 0.0000 | 81.688 | 0.21041 | 0.00000 | 602892.1 | 439459.4 | 0.0 | S |
| 132.758 | 0.0000 | 0.0000 | 81.688 | 0.21040 | 0.00000 | 602892.4 | 439465.7 | 0.0 | S |
| 132.767 | 0.0000 | 0.0000 | 81.688 | 0.21038 | 0.00000 | 602892.1 | 439472.0 | 0.0 | S |
| 132.775 | 0.0000 | 0.0000 | 81.687 | 0.21037 | 0.00000 | 602892.1 | 439478.3 | 0.0 | S |
| 132.783 | 0.0000 | 0.0000 | 81.687 | 0.21035 | 0.00000 | 602892.1 | 439484.7 | 0.0 | S |
| 132.792 | 0.0000 | 0.0000 | 81.687 | 0.21034 | 0.00000 | 602892.1 | 439491.0 | 0.0 | S |
| 132.800 | 0.0000 | 0.0000 | 81.687 | 0.21033 | 0.00000 | 602892.1 | 439497.3 | 0.0 | S |
| 132.808 | 0.0000 | 0.0000 | 81.687 | 0.21031 | 0.00000 | 602892.1 | 439503.6 | 0.0 | S |
| 132.817 | 0.0000 | 0.0000 | 81.687 | 0.21030 | 0.00000 | 602892.1 | 439509.9 | 0.0 | S |
| 132.825 | 0.0000 | 0.0000 | 81.687 | 0.21029 | 0.00000 | 602892.1 | 439516.2 | 0.0 | S |
| 132.833 | 0.0000 | 0.0000 | 81.687 | 0.21027 | 0.00000 | 602892.1 | 439522.5 | 0.0 | S |
| 132.842 | 0.0000 | 0.0000 | 81.686 | 0.21026 | 0.00000 | 602892.1 | 439528.8 | 0.0 | S |
| 132.850 | 0.0000 | 0.0000 | 81.686 | 0.21025 | 0.00000 | 602892.1 | 439535.1 | 0.0 | S |
| 132.858 | 0.0000 | 0.0000 | 81.686 | 0.21023 | 0.00000 | 602892.1 | 439541.4 | 0.0 | S |
| 132.867 | 0.0000 | 0.0000 | 81.686 | 0.21022 | 0.00000 | 602892.1 | 439547.8 | 0.0 | S |
| 132.875 | 0.0000 | 0.0000 | 81.686 | 0.21021 | 0.00000 | 602892.1 | 439554.1 | 0.0 | S |
| 132.883 | 0.0000 | 0.0000 | 81.686 | 0.21019 | 0.00000 | 602892.1 | 439560.3 | 0.0 | S |
| 132.892 | 0.0000 | 0.0000 | 81.686 | 0.21018 | 0.00000 | 602892.1 | 439566.7 | 0.0 | S |
| 132.900 | 0.0000 | 0.0000 | 81.686 | 0.21017 | 0.00000 | 602892.1 | 439573.0 | 0.0 | S |
| 132.908 | 0.0000 | 0.0000 | 81,686 | 0.21015 | 0.00000 | 602892.1 | 439579.3 | 0.0 | S |
| 132.917 | 0.0000 | 0.0000 | 81.685 | 0.21014 | 0.00000 | 602892.1 | 439585.6 | 0.0 | S |
| 132.925 | 0.0000 | 0.0000 | 81.685 | 0.21013 | 0.00000 | 602892.1 | 439591.9 | 0.0 | S |
| 132.933 | 0.0000 | 0.0000 | 81.685 | 0.21011 | 0.00000 | 602892.1 | 439598.2 | 0.0 | S |
| 132.942 | 0.0000 | 0.0000 | 81.685 | 0.21010 | 0.00000 | 602892.1 | 439604.5 | 0.0 | S |
| 132.950 | 0.0000 | 0.0000 | 81.685 | 0.21009 | 0.00000 | 602892.1 | 439610.8 | 0.0 | S |
| 132.958 | 0.0000 | 0.0000 | 81.685 | 0.21007 | 0.00000 | 602892.1 | 439617.1 | 0.0 | S |
| 132.967 | 0.0000 | 0.0000 | 81.685 | 0.21006 | 0.00000 | 602892.1 | 439623.4 | 0.0 | S |
| 132.975 | 0.0000 | 0.0000 | 81.685 | 0.21005 | 0.00000 | 602892.1 | 439629.7 | 0.0 | S |
| 132.983 | 0.0000 | 0.0000 | 81.685 | 0.21003 | 0.00000 | 602892.1 | 439636.0 | 0.0 | S |
| 132.992 | 0.0000 | 0.0000 | 81.684 | 0.21002 | 0.00000 | 602892.1 | 439642.3 | 0.0 | S |
| 133.000 | 0.0000 | 0.0000 | 81.684 | 0.21001 | 0.00000 | 602892.1 | 439648.6 | 0.0 | S |
| 133.008 | 0.0000 | 0.0000 | 81.684 | 0.20999 | 0.00000 | 602892.1 | 439654.9 | 0.0 | S |
| 133.017 | 0.0000 | 0.0000 | 81.684 | 0.20998 | 0.00000 | 602892.1 | 439661.2 | 0.0 | S |
| 133.025 | 0.0000 | 0.0000 | 81.684 | 0.20997 | 0.00000 | 602892.1 | 439667.5 | 0.0 | S |
| 133.033 | 0.0000 | 0.0000 | 81.684 | 0.20995 | 0.00000 | 602892.1 | 439673.8 | 0.0 | S |
| 133.042 | 0.0000 | 0.0000 | 81.684 | 0.20994 | 0.00000 | 602892.1 | 439680.1 | 0.0 | S |
| 133.050 | 0.0000 | 0.0000 | 81.684 | 0.20993 | 0.00000 | 602892.1 | 439686.4 | 0.0 | S |
| 133.058 | 0.0000 | 0.0000 | 81.684 | 0.20991 | 0.00000 | 602892.1 | 439692.7 | 0.0 | S |
| 133.067 | 0.0000 | 0.0000 | 81.683 | 0.20990 | 0.00000 | 602892.1 | 439699.0 | 0.0 | S |
| 133.075 | 0.0000 | 0.0000 | 81.683 | 0.20989 | 0.00000 | 602892.1 | 439705.3 | 0.0 | S |
| 133.083 | 0.0000 | 0.0000 | 81.683 | 0.20987 | 0.00000 | 602892.1 | 439711.6 | 0.0 | S |
| 133.092 | 0.0000 | 0.0000 | 81.683 | 0.20986 | 0.00000 | 602892.1 | 439717.9 | 0.0 | S |
| 133.100 | 0.0000 | 0.0000 | 81.683 | 0.20984 | 0.00000 | 602892.1 | 439724.2 | 0.0 | S |
| 133.108 | 0.0000 | 0.0000 | 81.683 | 0.20983 | 0.00000 | 602892.1 | 439730.5 | 0.0 | S |
| \{33.117 | 0.0000 | 0.0000 | 81.683 | 0.20982 | 0.00000 | 602892.1 | 439736.8 | 0.0 | S |
| 133.125 | 0.0000 | 0.0000 | 81.683 | 0.20980 | 0.00000 | 602892.1 | 439743.1 | 0.0 | S |
| 133.133 | 0.0000 | 0.0000 | 81.683 | 0.20979 | 0.00000 | 602892.1 | 439749.3 | 0.0 | S |
| 133.142 | 0.0000 | 0.0000 | 81.682 | 0.20978 | 0.00000 | 602892.1 | 439755.7 | 0.0 | S |
| 133.150 | 0.0000 | 0.0000 | 81.682 | 0.20976 | 0.00000 | 602892.1 | 439761.9 | 0.0 | S |
| 133.158 | 0.0000 | 0.0000 | 81.682 | 0.20975 | 0.00000 | 602892.1 | 439768.2 | 0.0 | S |
| 133.167 | 0.0000 | 0.0000 | 81.682 | 0.20974 | 0.00000 | 602892.1 | 439774.5 | 0.0 | S |
| 133.175 | 0.0000 | 0.0000 | 81.682 | 0.20972 | 0.00000 | 602892.1 | 439780.8 | 0.0 | S |
| 133.183 | 0.0000 | 0.0000 | 81.682 | 0.20971 | 0.00000 | 602892.1 | 439787.1 | 0.0 | S |
| 133.192 | 0.0000 | 0.0000 | 81.682 | 0.20970 | 0.00000 | 602892.1 | 439793.4 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | inflow Rate ( $\mathrm{t}^{3 / 3 /}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overfiow <br> Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 133.200 | 0.0000 | 0.0000 | 81.682 | 0.20968 | 0.00000 | 602892.1 | 439799.7 | 0.0 | S |
| 133.208 | 0.0000 | 0.0000 | 81.682 | 0.20967 | 0.00000 | 602892.1 | 439806.0 | 0.0 | S |
| 133.217 | 0.0000 | 0.0000 | 81.681 | 0.20966 | 0.00000 | 602892.1 | 439812.3 | 0.0 | S |
| 133.225 | 0.0000 | 0.0000 | 81.681 | 0.20964 | 0.00000 | 602892.1 | 439818.6 | 0.0 | S |
| 133.233 | 0.0000 | 0.0000 | 81.681 | 0.20963 | 0.00000 | 602892.1 | 439824.8 | 0.0 | S |
| 133.242 | 0.0000 | 0.0000 | 81.681 | 0.20962 | 0.00000 | 602892.1 | 439831.1 | 0.0 | S |
| 133.250 | 0.0000 | 0.0000 | 81.681 | 0.20960 | 0.00000 | 602892.1 | 439837.4 | 0.0 | S |
| 133.258 | 0.0000 | 0.0000 | 81.681 | 0.20959 | 0.00000 | 602892.1 | 439843.7 | 0.0 | S |
| 133.267 | 0.0000 | 0.0000 | 81.681 | 0.20958 | 0.00000 | 602892.1 | 439850.0 | 0.0 | S |
| 133.275 | 0.0000 | 0.0000 | 81.681 | 0.20956 | 0.00000 | 602892.1 | 439856.3 | 0.0 | S |
| 133.283 | 0.0000 | 0.0000 | 81.680 | 0.20955 | 0.00000 | 602892.1 | 439862.6 | 0.0 | S |
| 133.292 | 0.0000 | 0.0000 | 81.680 | 0.20954 | 0.00000 | 602892.1 | 439868.8 | 0.0 | S |
| 133.300 | 0.0000 | 0.0000 | 81.680 | 0.20952 | 0.00000 | 602892.1 | 439875.2 | 0.0 | S |
| 133.308 | 0.0000 | 0.0000 | 81.680 | 0.20951 | 0.00000 | 602892.1 | 439881.4 | 0.0 | S |
| 133.317 | 0.0000 | 0.0000 | 81.680 | 0.20950 | 0.00000 | 602892.1 | 439887.7 | 0.0 | S |
| 133.325 | 0.0000 | 0.0000 | 81.680 | 0.20948 | 0.00000 | 602892.1 | 439894.0 | 0.0 | S |
| 133.333 | 0.0000 | 0.0000 | 81.680 | 0.20947 | 0.00000 | 602892.1 | 439900.3 | 0.0 | S |
| 133.342 | 0.0000 | 0.0000 | 81.680 | 0.20946 | 0.00000 | 602892.1 | 439906.6 | 0.0 | S |
| 133.350 | 0.0000 | 0.0000 | 81.680 | 0.20944 | 0.00000 | 602892.1 | 439912.8 | 0.0 | S |
| 133.358 | 0.0000 | 0.0000 | 81.679 | 0.20943 | 0.00000 | 602892.1 | 439919.1 | 0.0 | S |
| 133.367 | 0.0000 | 0.0000 | 81.679 | 0.20942 | 0.00000 | 602892.1 | 439925.4 | 0.0 | S |
| 133.375 | 0.0000 | 0.0000 | 81.679 | 0.20940 | 0.00000 | 602892.1 | 439931.7 | 0.0 | S |
| 133.383 | 0.0000 | 0.0000 | 81.679 | 0.20939 | 0.00000 | 602892.1 | 439938.0 | 0.0 | S |
| 133.392 | 0.0000 | 0.0000 | 81.679 | 0.20938 | 0.00000 | 602892.1 | 439944.3 | 0.0 | S |
| 133.400 | 0.0000 | 0.0000 | 81.679 | 0.20936 | 0.00000 | 602892.1 | 439950.5 | 0.0 | S |
| 133.408 | 0.0000 | 0.0000 | 81.679 | 0.20935 | 0.00000 | 602892.1 | 439956.8 | 0.0 | S |
| 133.417 | 0.0000 | 0.0000 | 81.679 | 0.20934 | 0.00000 | 602892.1 | 439963.1 | 0.0 | S |
| 133.425 | 0.0000 | 0.0000 | 81.679 | 0.20932 | 0.00000 | 602892.1 | 439969.4 | 0.0 | S |
| 133.433 | 0.0000 | 0.0000 | 81.678 | 0.20931 | 0.00000 | 602892.1 | 439975.7 | 0.0 | S |
| 133.442 | 0.0000 | 0.0000 | 81.678 | 0.20930 | 0.00000 | 602892.1 | 439981.9 | 0.0 | S |
| 133.450 | 0.0000 | 0.0000 | 81.678 | 0.20928 | 0.00000 | 602892.1 | 439988.2 | 0.0 | S |
| 133.458 | 0.0000 | 0.0000 | 81.678 | 0.20927 | 0.00000 | 602892.1 | 439994.5 | 0.0 | S |
| 133.467 | 0.0000 | 0.0000 | 81.678 | 0.20926 | 0.00000 | 602892.1 | 440000.8 | 0.0 | S |
| 133.475 | 0.0000 | 0.0000 | 81.678 | 0.20924 | 0.00000 | 602892.1 | 440007.1 | 0.0 | S |
| 133.483 | 0.0000 | 0.0000 | 81.678 | 0.20923 | 0.00000 | 602892.1 | 440013.3 | 0.0 | S |
| 133.492 | 0.0000 | 0.0000 | 81.678 | 0.20922 | 0.00000 | 602892.1 | 440019.6 | 0.0 | S |
| 133.500 | 0.0000 | 0.0000 | 81.678 | 0.20920 | 0.00000 | 602892.1 | 440025.9 | 0.0 | S |
| 133.508 | 0.0000 | 0.0000 | 81.677 | 0.20919 | 0.00000 | 602892.1 | 440032.2 | 0.0 | S |
| 133.517 | 0.0000 | 0.0000 | 81.677 | 0.20918 | 0.00000 | 602892.1 | 440038.4 | 0.0 | S |
| 133.525 | 0.0000 | 0.0000 | 81.677 | 0.20916 | 0.00000 | 602892.1 | 440044.7 | 0.0 | S |
| 133.533 | 0.0000 | 0.0000 | 81.677 | 0.20915 | 0.00000 | 602892.1 | 440051.0 | 0.0 | S |
| 133.542 | 0.0000 | 0.0000 | 81.677 | 0.20914 | 0.00000 | 602892.1 | 440057.3 | 0.0 | S |
| 133.550 | 0.0000 | 0.0000 | 81.677 | 0.20912 | 0.00000 | 602892.1 | 440063.5 | 0.0 | S |
| 133.558 | 0.0000 | 0.0000 | 81.677 | 0.20911 | 0.00000 | 602892.1 | 440069.8 | 0.0 | S |
| 133.567 | 0.0000 | 0.0000 | 81.677 | 0.20910 | 0.00000 | 602892.1 | 440076.1 | 0.0 | S |
| 133.575 | 0.0000 | 0.0000 | 81.677 | 0.20908 | 0.00000 | 602892.1 | 440082.3 | 0.0 | S |
| 133.583 | 0.0000 | 0.0000 | 81.676 | 0.20907 | 0.00000 | 602892.1 | 440088.6 | 0.0 | S |
| 133.592 | 0.0000 | 0.0000 | 81.676 | 0.20906 | 0.00000 | 602892.1 | 440094.9 | 0.0 | S |
| 133.600 | 0.0000 | 0.0000 | 81.676 | 0.20904 | 0.00000 | 602892.1 | 440101.2 | 0.0 | S |
| 133.608 | 0.0000 | 0.0000 | 81.676 | 0.20903 | 0.00000 | 602892.1 | 440107.4 | 0.0 | S |
| 133.617 | 0.0000 | 0.0000 | 81.676 | 0.20902 | 0.00000 | 602892.1 | 440113.7 | 0.0 | S |
| 133.625 | 0.0000 | 0.0000 | 81.676 | 0.20900 | 0.00000 | 602892.1 | 440120.0 | 0.0 | S |
| 133.633 | 0.0000 | 0.0000 | 81.676 | 0.20899 | 0.00000 | 602892.1 | 440126.3 | 0.0 | S |
| 133.642 | 0.0000 | 0.0000 | 81.676 | 0.20898 | 0.00000 | 602892.1 | 440132.5 | 0.0 | S |
| 133.650 | 0.0000 | 0.0000 | 81.675 | 0.20896 | 0.00000 | 602892.1 | 440138.8 | 0.0 | S |
| 133.658 | 0.0000 | 0.0000 | 81.675 | 0.20895 | 0.00000 | 602892.1 | 440145.1 | 0.0 | S |
| 133.667 | 0.0000 | 0.0000 | 81.675 | 0.20894 | 0.00000 | 602892.1 | 440151.3 | 0.0 | S |
| 133.675 | 0.0000 | 0.0000 | 81.675 | 0.20893 | 0.00000 | 602892.1 | 440157.6 | 0.0 | S |
| 133.683 | 0.0000 | 0.0000 | 81.675 | 0.20891 | 0.00000 | 602892.1 | 440163.9 | 0.0 | S |
| 133.692 | 0.0000 | 0.0000 | 81.675 | 0.20890 | 0.00000 | 602892.1 | 440170.1 | 0.0 | S |
| 133.700 | 0.0000 | 0.0000 | 81.675 | 0.20889 | 0.00000 | 602892.1 | 440176.4 | 0.0 | S |
| 133.708 | 0.0000 | 0.0000 | 81.675 | 0.20887 | 0.00000 | 602892.1 | 440182.7 | 0.0 | S |
| 133.717 | 0.0000 | 0.0000 | 81.675 | 0.20886 | 0.00000 | 602892.1 | 440188.9 | 0.0 | S |
| 133.725 | 0.0000 | 0.0000 | 81.674 | 0.20885 | 0.00000 | 602892.1 | 440195.2 | 0.0 | S |
| 133.733 | 0.0000 | 0.0000 | 81.674 | 0.20883 | 0.00000 | 602892.1 | 440201.5 | 0.0 | S |
| 133.742 | 0.0000 | 0.0000 | 81.674 | 0.20882 | 0.00000 | 602892.1 | 440207.7 | 0.0 | S |
| 133.750 | 0.0000 | 0.0000 | 81.674 | 0.20881 | 0.00000 | 602892.1 | 440214.0 | 0.0 | S |
| 133.758 | 0.0000 | 0.0000 | 81.674 | 0.20879 | 0.00000 | 602892.1 | 440220.3 | 0.0 | S |
| 133.767 | 0.0000 | 0.0000 | 81.674 | 0.20878 | 0.00000 | 602892.1 | 440226.5 | 0.0 | S |
| 133.775 | 0.0000 | 0.0000 | 81.674 | 0.20877 | 0.00000 | 602892.1 | 440232.8 | 0.0 | S |
| 133.783 | 0.0000 | 0.0000 | 81.674 | 0.20875 | 0.00000 | 602892.1 | 440239.0 | 0.0 | S |
| 133.792 | 0.0000 | 0.0000 | 81.674 | 0.20874 | 0.00000 | 602892.1 | 440245.3 | 0.0 | S |
| 133.800 | 0.0000 | 0.0000 | 81.673 | 0.20873 | 0.00000 | 602892.1 | 440251.6 | 0.0 | S |
| 133.808 | 0.0000 | 0.0000 | 81.673 | 0.20871 | 0.00000 | 602892.1 | 440257.8 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / 5}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 133.817 | 0.0000 | 0.0000 | 81.673 | 0.20870 | 0.00000 | 602892.1 | 440264.1 | 0.0 | S |
| 133.825 | 0.0000 | 0.0000 | 81.673 | 0.20869 | 0.00000 | 602892.1 | 440270.3 | 0.0 | S |
| 133.833 | 0.0000 | 0.0000 | 81.673 | 0.20867 | 0.00000 | 602892.1 | 440276.6 | 0.0 | S |
| 133.842 | 0.0000 | 0.0000 | 81.673 | 0.20866 | 0.00000 | 602892.1 | 440282.9 | 0.0 | S |
| 133.850 | 0.0000 | 0.0000 | 81.673 | 0.20865 | 0.00000 | 602892.1 | 440289.1 | 0.0 | S |
| 133.858 | 0.0000 | 0.0000 | 81.673 | 0.20863 | 0.00000 | 602892.1 | 440295.4 | 0.0 | S |
| 133.867 | 0.0000 | 0.0000 | 81.673 | 0.20862 | 0.00000 | 602892.1 | 440301.7 | 0.0 | S |
| 133.875 | 0.0000 | 0.0000 | 81.672 | 0.20861 | 0.00000 | 602892.1 | 440307.9 | 0.0 | S |
| 133.883 | 0.0000 | 0.0000 | 81.672 | 0.20859 | 0.00000 | 602892.1 | 440314.2 | 0.0 | S |
| 133.892 | 0.0000 | 0.0000 | 81.672 | 0.20858 | 0.00000 | 602892.1 | 440320.4 | 0.0 | S |
| 133.900 | 0.0000 | 0.0000 | 81.672 | 0.20857 | 0.00000 | 602892.1 | 440326.7 | 0.0 | S |
| 133.908 | 0.0000 | 0.0000 | 81.672 | 0.20855 | 0.00000 | 602892.1 | 440332.9 | 0.0 | S |
| 133.917 | 0.0000 | 0.0000 | 87.672 | 0.20854 | 0.00000 | 602892.1 | 440339.2 | 0.0 | 5 |
| 133.925 | 0.0000 | 0.0000 | 81.672 | 0.20853 | 0.00000 | 602892.1 | 440345.4 | 0.0 | S |
| 133.933 | 0.0000 | 0.0000 | 81.672 | 0.20851 | 0.00000 | 602892.1 | 440351.7 | 0.0 | S |
| 133.942 | 0.0000 | 0.0000 | 81.672 | 0.20850 | 0.00000 | 602892.1 | 440358.0 | 0.0 | S |
| 133.950 | 0.0000 | 0.0000 | 81.671 | 0.20849 | 0.00000 | 602892.1 | 440364.2 | 0.0 | S |
| 133.958 | 0.0000 | 0.0000 | 81.671 | 0.20847 | 0.00000 | 602892.1 | 440370.5 | 0.0 | S |
| 133.967 | 0.0000 | 0.0000 | 81.671 | 0.20846 | 0.00000 | 602892.1 | 440376.7 | 0.0 | S |
| 133.975 | 0.0000 | 0.0000 | 81.671 | 0.20845 | 0.00000 | 602892.1 | 440383.0 | 0.0 | S |
| 133.983 | 0.0000 | 0.0000 | 81.671 | 0.20843 | 0.00000 | 602892.1 | 440389.2 | 0.0 | S |
| 133.992 | 0.0000 | 0.0000 | 81.671 | 0.20842 | 0.00000 | 602892.1 | 440395.5 | 0.0 | S |
| 134.000 | 0.0000 | 0.0000 | 81.671 | 0.20841 | 0.00000 | 602892.1 | 440401.8 | 0.0 | S |
| 134.008 | 0.0000 | 0.0000 | 81.671 | 0.20840 | 0.00000 | 602892.1 | 440408.0 | 0.0 | S |
| 134.017 | 0.0000 | 0.0000 | 81.671 | 0.20838 | 0.00000 | 602892.1 | 440414.3 | 0.0 | S |
| 134.025 | 0.0000 | 0.0000 | 81.670 | 0.20837 | 0.00000 | 602892.1 | 440420.5 | 0.0 | S |
| 134.033 | 0.0000 | 0.0000 | 81.670 | 0.20836 | 0.00000 | 602892.1 | 440426.8 | 0.0 | S |
| 134.042 | 0.0000 | 0.0000 | 81.670 | 0.20834 | 0.00000 | 602892.1 | 440433.0 | 0.0 | S |
| 134.050 | 0.0000 | 0.0000 | 81.670 | 0.20833 | 0.00000 | 602892.1 | 440439.3 | 0.0 | S |
| 134.058 | 0.0000 | 0.0000 | 81.670 | 0.20832 | 0.00000 | 602892.1 | 440445.5 | 0.0 | S |
| 134.067 | 0.0000 | 0.0000 | 81.670 | 0.20830 | 0.00000 | 602892.1 | 440451.8 | 0.0 | S |
| 134.075 | 0.0000 | 0.0000 | 81.670 | 0.20829 | 0.00000 | 602892.1 | 440458.0 | 0.0 | S |
| 134.083 | 0.0000 | 0.0000 | 81.670 | 0.20828 | 0.00000 | 602892.1 | 440464.3 | 0.0 | S |
| 134.092 | 0.0000 | 0.0000 | 81.670 | 0.20826 | 0.00000 | 602892.1 | 440470.5 | 0.0 | S |
| 134.100 | 0.0000 | 0.0000 | 81.669 | 0.20825 | 0.00000 | 602892.1 | 440476.7 | 0.0 | S |
| 134.108 | 0.0000 | 0.0000 | 81.669 | 0.20824 | 0.00000 | 602892.1 | 440483.0 | 0.0 | S |
| 134.117 | 0.0000 | 0.0000 | 81.669 | 0.20822 | 0.00000 | 602892.1 | 440489.2 | 0.0 | S |
| 134.125 | 0.0000 | 0.0000 | 81.669 | 0.20821 | 0.00000 | 602892.1 | 440495.5 | 0.0 | S |
| 134.133 | 0.0000 | 0.0000 | 81.669 | 0.20820 | 0.00000 | 602892.1 | 440501.7 | 0.0 | S |
| 134.142 | 0.0000 | 0.0000 | 81.669 | 0.20818 | 0.00000 | 602892.1 | 440508.0 | 0.0 | S |
| 134.150 | 0.0000 | 0.0000 | 81.669 | 0.20817 | 0.00000 | 602892.1 | 440514.2 | 0.0 | S |
| 134.158 | 0.0000 | 0.0000 | 81.669 | 0.20816 | 0.00000 | 602892.1 | 440520.5 | 0.0 | S |
| 134.167 | 0.0000 | 0.0000 | 81.668 | 0.20814 | 0.00000 | 602892.1 | 440526.7 | 0.0 | S |
| 134.175 | 0.0000 | 0.0000 | 81.668 | 0.20813 | 0.00000 | 602892.1 | 440532.9 | 0.0 | S |
| 134.183 | 0.0000 | 0.0000 | 81.668 | 0.20812 | 0.00000 | 602892.1 | 440539.2 | 0.0 | S |
| 134.192 | 0.0000 | 0.0000 | 81.668 | 0.20810 | 0.00000 | 602892.1 | 440545.4 | 0.0 | S |
| 134.200 | 0.0000 | 0.0000 | 81.668 | 0.20809 | 0.00000 | 602892.1 | 440551.7 | 0.0 | S |
| 134.208 | 0.0000 | 0.0000 | 81.668 | 0.20808 | 0.00000 | 602892.1 | 440557.9 | 0.0 | S |
| 134.217 | 0.0000 | 0.0000 | 81.668 | 0.20807 | 0.00000 | 602892.1 | 440564.2 | 0.0 | S |
| 134.225 | 0.0000 | 0.0000 | 81.668 | 0.20805 | 0.00000 | 602892.1 | 440570.4 | 0.0 | S |
| 134.233 | 0.0000 | 0.0000 | 81.668 | 0.20804 | 0.00000 | 602892.1 | 440576.7 | 0.0 | S |
| 134.242 | 0.0000 | 0.0000 | 81.667 | 0.20803 | 0.00000 | 602892.1 | 440582.9 | 0.0 | S |
| 134.250 | 0.0000 | 0.0000 | 81.667 | 0.20801 | 0.00000 | 602892.1 | 440589.1 | 0.0 | S |
| 134.258 | 0.0000 | 0.0000 | 81.667 | 0.20800 | 0.00000 | 602892.1 | 440595.4 | 0.0 | S |
| 134.267 | 0.0000 | 0.0000 | 81.667 | 0.20799 | 0.00000 | 602892.1 | 440601.6 | 0.0 | S |
| 134.275 | 0.0000 | 0.0000 | 81.667 | 0.20797 | 0.00000 | 602892.1 | 440607.8 | 0.0 | S |
| 134.283 | 0.0000 | 0.0000 | 81.667 | 0.20796 | 0.00000 | 602892.1 | 440614.1 | 0.0 | S |
| 134.292 | 0.0000 | 0.0000 | 81.667 | 0.20795 | 0.00000 | 602892.1 | 440620.3 | 0.0 | S |
| 134.300 | 0.0000 | 0.0000 | 81.667 | 0.20793 | 0.00000 | 602892.1 | 440626.6 | 0.0 | S |
| 134.308 | 0.0000 | 0.0000 | 81.667 | 0.20792 | 0.00000 | 602892.1 | 440632.8 | 0.0 | S |
| 134.317 | 0.0000 | 0.0000 | 81.666 | 0.20791 | 0.00000 | 602892.1 | 440639.0 | 0.0 | S |
| 134.325 | 0.0000 | 0.0000 | 81.666 | 0.20789 | 0.00000 | 602892.1 | 440645.3 | 0.0 | S |
| 134.333 | 0.0000 | 0.0000 | 81.666 | 0.20788 | 0.00000 | 602892.1 | 440651.5 | 0.0 | S |
| 134.342 | 0.0000 | 0.0000 | 81.666 | 0.20787 | 0.00000 | 602892.1 | 440657.8 | 0.0 | S |
| 134.350 | 0.0000 | 0.0000 | 81.666 | 0.20785 | 0.00000 | 602892.1 | 440664.0 | 0.0 | S |
| 134.358 | 0.0000 | 0.0000 | 81.666 | 0.20784 | 0.00000 | 602892.1 | 440670.2 | 0.0 | S |
| 134.367 | 0.0000 | 0.0000 | 81.666 | 0.20783 | 0.00000 | 602892.1 | 440676.4 | 0.0 | S |
| 134.375 | 0.0000 | 0.0000 | 81.666 | 0.20782 | 0.00000 | 602892.1 | 440682.7 | 0.0 | S |
| 134.383 | 0.0000 | 0.0000 | 81.666 | 0.20780 | 0.00000 | 602892.1 | 440688.9 | 0.0 | S |
| 134.392 | 0.0000 | 0.0000 | 81.665 | 0.20779 | 0.00000 | 602892.1 | 440695.2 | 0.0 | S |
| 134.400 | 0.0000 | 0.0000 | 81.665 | 0.20778 | 0.00000 | 602892.1 | 440701.4 | 0.0 | S |
| 134.408 | 0.0000 | 0.0000 | 81.665 | 0.20776 | 0.00000 | 602892.1 | 440707.6 | 0.0 | S |
| 134.417 | 0.0000 | 0.0000 | 81.665 | 0.20775 | 0.00000 | 602892.1 | 440713.8 | 0.0 | S |
| 134.425 | 0.0000 | 0.0000 | 81.665 | 0.20774 | 0.00000 | 602892.1 | 440720.1 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3 / 5}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{fr}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 134.433 | 0.0000 | 0.0000 | 81.665 | 0.20772 | 0.00000 | 602892.1 | 440726.3 | 0.0 | S |
| 134.442 | 0.0000 | 0.0000 | 81.665 | 0.20771 | 0.00000 | 602892.1 | 440732.6 | 0.0 | S |
| 134.450 | 0.0000 | 0.0000 | 81.665 | 0.20770 | 0.00000 | 602892.1 | 440738.8 | 0.0 | S |
| 134.458 | 0.0000 | 0.0000 | 81.665 | 0.20768 | 0.00000 | 602892.1 | 440745.0 | 0.0 | S |
| 134.467 | 0.0000 | 0.0000 | 81.664 | 0.20767 | 0.00000 | 602892.1 | 440751.3 | 0.0 | S |
| 134.475 | 0.0000 | 0.0000 | 81.664 | 0.20766 | 0.00000 | 602892.1 | 440757.5 | 0.0 | S |
| 134.483 | 0.0000 | 0.0000 | 81.664 | 0.20764 | 0.00000 | 602892.1 | 440763.7 | 0.0 | S |
| 134.492 | 0.0000 | 0.0000 | 81.664 | 0.20763 | 0.00000 | 602892.1 | 440769,9 | 0.0 | S |
| 134.500 | 0.0000 | 0.0000 | 81.664 | 0.20762 | 0.00000 | 602892.1 | 440776.2 | 0.0 | S |
| 134.508 | 0.0000 | 0.0000 | 81.664 | 0.20761 | 0.00000 | 602892.1 | 440782.4 | 0.0 | S |
| 134.517 | 0.0000 | 0.0000 | 81.664 | 0.20759 | 0.00000 | 602892.1 | 440788.6 | 0.0 | S |
| 134.525 | 0.0000 | 0.0000 | 81.664 | 0.20758 | 0.00000 | 602892.1 | 440794.8 | 0.0 | S |
| 134.533 | 0.0000 | 0.0000 | 81.664 | 0.20757 | 0.00000 | 602892.1 | 440801.1 | 0.0 | S |
| 134.542 | 0.0000 | 0.0000 | 81.663 | 0.20755 | 0.00000 | 602892.1 | 440807.3 | 0.0 | S |
| 134.550 | 0.0000 | 0.0000 | 81.663 | 0.20754 | 0.00000 | 602892.1 | 440813.5 | 0.0 | S |
| 134.558 | 0.0000 | 0.0000 | 81.663 | 0.20753 | 0.00000 | 602892.1 | 440819.8 | 0.0 | S |
| 134.567 | 0.0000 | 0.0000 | 81.663 | 0.20751 | 0.00000 | 602892.1 | 440826.0 | 0.0 | S |
| 134.575 | 0.0000 | 0.0000 | 81.663 | 0.20750 | 0.00000 | 602892.1 | 440832.2 | 0.0 | S |
| 134.583 | 0.0000 | 0.0000 | 81.663 | 0.20749 | 0.00000 | 602892.1 | 440838.4 | 0.0 | S |
| 134.592 | 0.0000 | 0.0000 | 81.663 | 0.20747 | 0.00000 | 602892.1 | 440844.7 | 0.0 | S |
| 134.600 | 0.0000 | 0.0000 | 81.663 | 0.20746 | 0.00000 | 602892.1 | 440850.9 | 0.0 | S |
| 134.608 | 0.0000 | 0.0000 | 81.663 | 0.20745 | 0.00000 | 602892.1 | 440857.1 | 0.0 | S |
| 134.617 | 0.0000 | 0.0000 | 81.662 | 0.20743 | 0.00000 | 602892.1 | 440863.3 | 0.0 | S |
| 134.625 | 0.0000 | 0.0000 | 81.662 | 0.20742 | 0.00000 | 602892.1 | 440869.5 | 0.0 | S |
| 134.633 | 0.0000 | 0.0000 | 81.662 | 0.20741 | 0.00000 | 602892.1 | 440875.8 | 0.0 | S |
| 734.642 | 0.0000 | 0.0000 | 81.662 | 0.20740 | 0.00000 | 602892.1 | 440882.0 | 0.0 | S |
| 134.650 | 0.0000 | 0.0000 | 81.662 | 0.20738 | 0.00000 | 602892.1 | 440888.2 | 0.0 | S |
| 134.658 | 0.0000 | 0.0000 | 81.662 | 0.20737 | 0.00000 | 602892.1 | 440894.4 | 0.0 | S |
| 134.667 | 0.0000 | 0.0000 | 81.662 | 0.20736 | 0.00000 | 602892.1 | 440900.7 | 0.0 | S |
| 134.675 | 0.0000 | 0.0000 | 81.662 | 0.20734 | 0.00000 | 602892.1 | 440906.9 | 0.0 | S |
| 134.683 | 0.0000 | 0.0000 | 81.662 | 0.20733 | 0.00000 | 602892.1 | 440913.1 | 0.0 | S |
| 134.692 | 0.0000 | 0.0000 | 81.661 | 0.20732 | 0.00000 | 602892.1 | 440919.3 | 0.0 | S |
| 134.700 | 0.0000 | 0.0000 | 81.661 | 0.20730 | 0.00000 | 602892.1 | 440925.5 | 0.0 | S |
| 134.708 | 0.0000 | 0.0000 | 81.661 | 0.20729 | 0.00000 | 602892.1 | 440931.8 | 0.0 | S |
| 134.717 | 0.0000 | 0.0000 | 81.661 | 0.20728 | 0.00000 | 602892.1 | 440938.0 | 0.0 | S |
| 134.725 | 0.0000 | 0.0000 | 81.661 | 0.20726 | 0.00000 | 602892.7 | 440944.2 | 0.0 | S |
| 134.733 | 0.0000 | 0.0000 | 81.661 | 0.20725 | 0.00000 | 602892.1 | 440950.4 | 0.0 | S |
| 134.742 | 0.0000 | 0.0000 | 81.661 | 0.20724 | 0.00000 | 602892.1 | 440956.6 | 0.0 | S |
| 134.750 | 0.0000 | 0.0000 | 81.661 | 0.20723 | 0.00000 | 602892.1 | 440962.8 | 0.0 | S |
| 134.758 | 0.0000 | 0.0000 | 81.661 | 0.20721 | 0.00000 | 602892.1 | 440969.1 | 0.0 | S |
| 134.767 | 0.0000 | 0.0000 | 81.660 | 0.20720 | 0.00000 | 602892.1 | 440975.3 | 0.0 | S |
| 134.775 | 0.0000 | 0.0000 | 81.660 | 0.20719 | 0.00000 | 602892.1 | 440981.5 | 0.0 | S |
| 134.783 | 0.0000 | 0.0000 | 81.660 | 0.20717 | 0.00000 | 602892.1 | 440987.7 | 0.0 | S |
| 134.792 | 0.0000 | 0.0000 | 81.660 | 0.20716 | 0.00000 | 602892.1 | 440993.9 | 0.0 | S |
| 134.800 | 0.0000 | 0.0000 | 81.660 | 0.20715 | 0.00000 | 602892.1 | 441000.1 | 0.0 | S |
| 134.808 | 0.0000 | 0.0000 | 81.660 | 0.20713 | 0.00000 | 602892.1 | 441006.3 | 0.0 | S |
| 134.817 | 0.0000 | 0.0000 | 81.660 | 0.20712 | 0.00000 | 602892.1 | 441012.6 | 0.0 | S |
| 134.825 | 0.0000 | 0.0000 | 81.660 | 0.20711 | 0.00000 | 602892.1 | 441018.8 | 0.0 | S |
| 134.833 | 0.0000 | 0.0000 | 81.659 | 0.20709 | 0.00000 | 602892.1 | 441025.0 | 0.0 | S |
| 134.842 | 0.0000 | 0.0000 | 81.659 | 0.20708 | 0.00000 | 602892.1 | 441031.2 | 0.0 | S |
| 134.850 | 0.0000 | 0.0000 | 81.659 | 0.20707 | 0.00000 | 602892.1 | 441037.4 | 0.0 | S |
| 134.858 | 0.0000 | 0.0000 | 81.659 | 0.20706 | 0.00000 | 602892.1 | 441043.6 | 0.0 | S |
| 134.867 | 0.0000 | 0.0000 | 81.659 | 0.20704 | 0.00000 | 602892.1 | 441049.8 | 0.0 | S |
| 134.875 | 0.0000 | 0.0000 | 81.659 | 0.20703 | 0.00000 | 602892.1 | 441056.0 | 0.0 | S |
| 134.883 | 0.0000 | 0.0000 | 81.659 | 0.20702 | 0.00000 | 602892.1 | 441062.3 | 0.0 | S |
| 134.892 | 0.0000 | 0.0000 | 81.659 | 0.20700 | 0.00000 | 602892.1 | 441068.5 | 0.0 | S |
| 134.900 | 0.0000 | 0.0000 | 81.659 | 0.20699 | 0.00000 | 602892.1 | 441074.7 | 0.0 | S |
| 134.908 | 0.0000 | 0.0000 | 81.658 | 0.20698 | 0.00000 | 602892.1 | 441080.9 | 0.0 | S |
| 134.917 | 0.0000 | 0.0000 | 81.658 | 0.20696 | 0.00000 | 602892.1 | 441087.1 | 0.0 | S |
| 134.925 | 0.0000 | 0.0000 | 81.658 | 0.20695 | 0.00000 | 602892.1 | 441093.3 | 0.0 | S |
| 134.933 | 0.0000 | 0.0000 | 81.658 | 0.20694 | 0.00000 | 602892.1 | 441099.5 | 0.0 | S |
| 134.942 | 0.0000 | 0.0000 | 81.658 | 0.20692 | 0.00000 | 602892.1 | 441105.7 | 0.0 | S |
| 134.950 | 0.0000 | 0.0000 | 81.658 | 0.20691 | 0.00000 | 602892.1 | 441111.9 | 0.0 | S |
| 134.958 | 0.0000 | 0.0000 | 81.658 | 0.20690 | 0.00000 | 602892.1 | 441118.1 | 0.0 | S |
| 134.967 | 0.0000 | 0.0000 | 81.658 | 0.20689 | 0.00000 | 602892.1 | 441124.3 | 0.0 | S |
| 134.975 | 0.0000 | 0.0000 | 81.658 | 0.20687 | 0.00000 | 602892.1 | 441130.6 | 0.0 | S |
| 134.983 | 0.0000 | 0.0000 | 81.657 | 0.20686 | 0.00000 | 602892.1 | 441136.8 | 0.0 | S |
| 134.992 | 0.0000 | 0.0000 | 81.657 | 0.20685 | 0.00000 | 602892.1 | 441143.0 | 0.0 | S |
| 135.000 | 0.0000 | 0.0000 | 81.657 | 0.20683 | 0.00000 | 602892.1 | 441149.2 | 0.0 | S |
| 135.008 | 0.0000 | 0.0000 | 81.657 | 0.20682 | 0.00000 | 602892.1 | 441155.4 | 0.0 | S |
| 135.017 | 0.0000 | 0.0000 | 81.657 | 0.20681 | 0.00000 | 602892.1 | 441161.6 | 0.0 | S |
| 135.025 | 0.0000 | 0.0000 | 81.657 | 0.20679 | 0.00000 | 602892.1 | 441167.8 | 0.0 | S |
| 135.033 | 0.0000 | 0.0000 | 81.657 | 0.20678 | 0.00000 | 602892.1 | 441174.0 | 0.0 | S |
| 135.042 | 0.0000 | 0.0000 | 81.657 | 0.20677 | 0.00000 | 602892.1 | 441180.2 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (fi/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{1} / \mathrm{s}$ ) | Cumulative inflow Volume $\left(\mathrm{ft}^{3}\right)$ | Cumulative Infittration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume (ft ${ }^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 135.050 | 0.0000 | 0.0000 | 81.657 | 0.20676 | 0.00000 | 602892.1 | 441186.4 | 0.0 | S |
| 135.058 | 0.0000 | 0.0000 | 81.656 | 0.20674 | 0.00000 | 602892.1 | 441192.6 | 0.0 | S |
| 135.067 | 0.0000 | 0.0000 | 81.656 | 0.20673 | 0.00000 | 602892.1 | 441198.8 | 0.0 | S |
| 135.075 | 0.0000 | 0.0000 | 81.656 | 0.20672 | 0.00000 | 602892.1 | 441205.0 | 0.0 | S |
| 135.083 | 0.0000 | 0.0000 | 81.656 | 0.20670 | 0.00000 | 602892.1 | 441211.2 | 0.0 | S |
| 135.092 | 0.0000 | 0.0000 | 81.656 | 0.20669 | 0.00000 | 602892.1 | 441217.4 | 0.0 | S |
| 135.100 | 0.0000 | 0.0000 | 81.656 | 0.20668 | 0.00000 | 602892.1 | 441223.6 | 0.0 | S |
| 135.108 | 0.0000 | 0.0000 | 81.656 | 0.20666 | 0.00000 | 602892.1 | 441229.8 | 0.0 | S |
| 135.117 | 0.0000 | 0.0000 | 81.656 | 0.20665 | 0.00000 | 602892.1 | 441236.0 | 0.0 | S |
| 135.125 | 0.0000 | 0.0000 | 81.656 | 0.20664 | 0.00000 | 602892.1 | 441242.2 | 0.0 | S |
| 135.133 | 0.0000 | 0.0000 | 81.655 | 0.20663 | 0.00000 | 602892.1 | 441248.4 | 0.0 | S |
| 135.142 | 0.0000 | 0.0000 | 81.655 | 0.20661 | 0.00000 | 602892.1 | 441254.6 | 0.0 | S |
| 135.150 | 0.0000 | 0.0000 | 81.655 | 0.20660 | 0.00000 | 602892.1 | 441260.8 | 0.0 | S |
| 135.158 | 0.0000 | 0.0000 | 81.655 | 0.20659 | 0.00000 | 602892.1 | 441267.0 | 0.0 | S |
| 135.167 | 0.0000 | 0.0000 | 81.655 | 0.20657 | 0.00000 | 602892.1 | 441273.2 | 0.0 | S |
| 135.175 | 0.0000 | 0.0000 | 81.655 | 0.20656 | 0.00000 | 602892.1 | 441279.4 | 0.0 | S |
| 135.183 | 0.0000 | 0.0000 | 81.655 | 0.20655 | 0.00000 | 602892.1 | 441285.6 | 0.0 | S |
| 135.192 | 0.0000 | 0.0000 | 81.655 | 0.20653 | 0.00000 | 602892.1 | 441291.8 | 0.0 | S |
| 135.200 | 0.0000 | 0.0000 | 81.655 | 0.20652 | 0.00000 | 602892.1 | 441298.0 | 0.0 | S |
| 135.208 | 0.0000 | 0.0000 | 81.654 | 0.20651 | 0.00000 | 602892.1 | 441304.2 | 0.0 | S |
| 135.217 | 0.0000 | 0.0000 | 81.654 | 0.20650 | 0.00000 | 602892.1 | 441310.4 | 0.0 | S |
| 135.225 | 0.0000 | 0.0000 | 81.654 | 0.20648 | 0.00000 | 602892.1 | 441316.6 | 0.0 | S |
| 135.233 | 0.0000 | 0.0000 | 81.654 | 0.20647 | 0.00000 | 602892.1 | 441322.8 | 0.0 | S |
| 135.242 | 0.0000 | 0.0000 | 81.654 | 0.20646 | 0.00000 | 602892.1 | 441328.9 | 0.0 | S |
| 135.250 | 0.0000 | 0.0000 | 81.654 | 0.20644 | 0.00000 | 602892.1 | 441335.1 | 0.0 | S |
| 135.258 | 0.0000 | 0.0000 | 81.654 | 0.20643 | 0.00000 | 602892.1 | 441341.3 | 0.0 | S |
| 135.267 | 0.0000 | 0.0000 | 81.654 | 0.20642 | 0.00000 | 602892.1 | 441347.5 | 0.0 | S |
| \$35.275 | 0.0000 | 0.0000 | 81.654 | 0.20640 | 0.00000 | 602892.1 | 441353.7 | 0.0 | S |
| 135.283 | 0.0000 | 0.0000 | 81.653 | 0.20639 | 0.00000 | 602892.1 | 441359.9 | 0.0 | S |
| 135.292 | 0.0000 | 0.0000 | 81.653 | 0.20638 | 0.00000 | 602892.1 | 441366.1 | 0.0 | S |
| 135.300 | 0.0000 | 0.0000 | 81.653 | 0.20637 | 0.00000 | 602892.1 | 441372.3 | 0.0 | S |
| 135.308 | 0.0000 | 0.0000 | 81.653 | 0.20635 | 0.00000 | 602892.1 | 441378.5 | 0.0 | S |
| 135.317 | 0.0000 | 0.0000 | 81.653 | 0.20634 | 0.00000 | 602892.1 | 441384.7 | 0.0 | S |
| 135.325 | 0.0000 | 0.0000 | 81.653 | 0.20633 | 0.00000 | 602892.1 | 441390.9 | 0.0 | S |
| 135.333 | 0.0000 | 0.0000 | 81.653 | 0.20631 | 0.00000 | 602892.1 | 441397.1 | 0.0 | S |
| 135.342 | 0.0000 | 0.0000 | 81.653 | 0.20630 | 0.00000 | 602892.1 | 441403.3 | 0.0 | S |
| 135.350 | 0.0000 | 0.0000 | 81.653 | 0.20629 | 0.00000 | 602892.1 | 441409.4 | 0.0 | S |
| 135.358 | 0.0000 | 0.0000 | 81.652 | 0.20627 | 0.00000 | 602892.1 | 441415.6 | 0.0 | S |
| 135.367 | 0.0000 | 0.0000 | 81.652 | 0.20626 | 0.00000 | 602892.1 | 441421.8 | 0.0 | S |
| 135.375 | 0.0000 | 0.0000 | 81.652 | 0.20625 | 0.00000 | 602892.1 | 441428.0 | 0.0 | S |
| 135.383 | 0.0000 | 0.0000 | 81.652 | 0.20624 | 0.00000 | 602892.1 | 441434.2 | 0.0 | S |
| $\ddagger 35.392$ | 0.0000 | 0.0000 | 81.652 | 0.20622 | 0.00000 | 602892.1 | 441440.4 | 0.0 | S |
| 135.400 | 0.0000 | 0.0000 | 81.652 | 0.20621 | 0.00000 | 602892.1 | 441446.6 | 0.0 | S |
| 135.408 | 0.0000 | 0.0000 | 81.652 | 0.20620 | 0.00000 | 602892.1 | 441452.8 | 0.0 | S |
| 135.417 | 0.0000 | 0.0000 | 81.652 | 0.20618 | 0.00000 | 602892.1 | 441458.9 | 0.0 | S |
| 135.425 | 0.0000 | 0.0000 | 81.652 | 0.20617 | 0.00000 | 602892.1 | 441465.1 | 0.0 | S |
| 135.433 | 0.0000 | 0.0000 | 81.651 | 0.20616 | 0.00000 | 602892.1 | 441471.3 | 0.0 | S |
| 135.442 | 0.0000 | 0.0000 | 81.651 | 0.20615 | 0.00000 | 602892.1 | 441477.5 | 0.0 | S |
| 135.450 | 0.0000 | 0.0000 | 81.651 | 0.20613 | 0.00000 | 602892.1 | 441483.7 | 0.0 | S |
| 135.458 | 0.0000 | 0.0000 | 81.651 | 0.20612 | 0.00000 | 602892.1 | 441489.8 | 0.0 | S |
| 135.467 | 0.0000 | 0.0000 | 81.651 | 0.20611 | 0.00000 | 602892.1 | 441496.0 | 0.0 | S |
| 135.475 | 0.0000 | 0.0000 | 81.651 | 0.20609 | 0.00000 | 602892.1 | 441502.2 | 0.0 | S |
| 135.483 | 0.0000 | 0.0000 | 81.651 | 0.20608 | 0.00000 | 602892.1 | 441508.4 | 0.0 | S |
| 135.492 | 0.0000 | 0.0000 | 81.651 | 0.20607 | 0.00000 | 602892.1 | 441514.6 | 0.0 | S |
| 135.500 | 0.0000 | 0.0000 | 81.651 | 0.20605 | 0.00000 | 602892.1 | 441520.8 | 0.0 | S |
| 135.508 | 0.0000 | 0.0000 | 81.650 | 0.20604 | 0.00000 | 602892.1 | 441526.9 | 0.0 | S |
| 135.517 | 0.0000 | 0.0000 | 81.650 | 0.20603 | 0.00000 | 602892.1 | 441533.1 | 0.0 | S |
| 135.525 | 0.0000 | 0.0000 | 81.650 | 0.20602 | 0.00000 | 602892.1 | 441539.3 | 0.0 | S |
| 135.533 | 0.0000 | 0.0000 | 81.650 | 0.20600 | 0.00000 | 602892.1 | 441545.5 | 0.0 | S |
| 135.542 | 0.0000 | 0.0000 | 81.650 | 0.20599 | 0.00000 | 602892.1 | 441551.7 | 0.0 | S |
| 135.550 | 0.0000 | 0.0000 | 81.650 | 0.20598 | 0.00000 | 602892.1 | 441557.8 | 0.0 | S |
| 135.558 | 0.0000 | 0.0000 | 81.650 | 0.20596 | 0.00000 | 602892.1 | 441564.0 | 0.0 | S |
| 135.567 | 0.0000 | 0.0000 | 81.650 | 0.20595 | 0.00000 | 602892.1 | 441570.2 | 0.0 | S |
| 135.575 | 0.0000 | 0.0000 | 81.650 | 0.20594 | 0.00000 | 602892.1 | 441576.4 | 0.0 | S |
| 135.583 | 0.0000 | 0.0000 | 81.649 | 0.20593 | 0.00000 | 602892.1 | 441582.6 | 0.0 | S |
| 135.592 | 0.0000 | 0.0000 | 81.649 | 0.20591 | 0.00000 | 602892.1 | 441588.8 | 0.0 | S |
| 135.600 | 0.0000 | 0.0000 | 81.649 | 0.20590 | 0.00000 | 602892.1 | 441594.9 | 0.0 | S |
| 135.608 | 0.0000 | 0.0000 | 81.649 | 0.20589 | 0.00000 | 602892.1 | 441601.1 | 0.0 | S |
| 135.617 | 0.0000 | 0.0000 | 81.649 | 0.20587 | 0.00000 | 602892.1 | 441607.3 | 0.0 | S |
| 135.625 | 0.0000 | 0.0000 | 81.649 | 0.20586 | 0.00000 | 602892.1 | 441613.4 | 0.0 | S |
| 135.633 | 0.0000 | 0.0000 | 81.649 | 0.20585 | 0.00000 | 602892.1 | 441619.6 | 0.0 | S |
| 135.642 | 0.0000 | 0.0000 | 81.649 | 0.20583 | 0.00000 | 602892.1 | 441625.8 | 0.0 | S |
| 135.650 | 0.0000 | 0.0000 | 81.649 | 0.20582 | 0.00000 | 602892.1 | 441632.0 | 0.0 | S |
| 135.658 | 0.0000 | 0.0000 | 81.648 | 0.20581 | 0.00000 | 602892.1 | 441638.2 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | knflow <br> Rate <br> ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f} \mathrm{t}^{3} \mathrm{~s}$ ) | Overflow Discharge ( $\mathrm{H}^{3 / 5}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{fl}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 135.667 | 0.0000 | 0.0000 | 81.648 | 0.20580 | 0.00000 | 602892.1 | 441644.3 | 0.0 | S |
| 135.675 | 0.0000 | 0.0000 | 81.648 | 0.20578 | 0.00000 | 602892.1 | 441650.5 | 0.0 | S |
| 135.683 | 0.0000 | 0.0000 | 81.648 | 0.20577 | 0.00000 | 602892.1 | 441656.7 | 0.0 | S |
| 135.692 | 0.0000 | 0.0000 | 81.648 | 0.20576 | 0.00000 | 602892.1 | 441662.8 | 0.0 | S |
| 135.700 | 0.0000 | 0.0000 | 81.648 | 0.20574 | 0.00000 | 602892.1 | 441669.0 | 0.0 | S |
| 135.708 | 0.0000 | 0.0000 | 81.648 | 0.20573 | 0.00000 | 602892.1 | 441675.2 | 0.0 | S |
| 135.717 | 0.0000 | 0.0000 | 81.648 | 0.20572 | 0.00000 | 602892.1 | 441681.3 | 0.0 | S |
| 135.725 | 0.0000 | 0.0000 | 81.648 | 0.20571 | 0.00000 | 602892.1 | 441687.5 | 0.0 | S |
| 135.733 | 0.0000 | 0.0000 | 81.647 | 0.20569 | 0.00000 | 602892.1 | 441693.7 | 0.0 | S |
| 135.742 | 0.0000 | 0.0000 | 81.647 | 0.20568 | 0.00000 | 602892.1 | 441699.9 | 0.0 | S |
| 135.750 | 0.0000 | 0.0000 | 81.647 | 0.20567 | 0.00000 | 602892.1 | 441706.0 | 0.0 | S |
| 135.758 | 0.0000 | 0.0000 | 81.647 | 0.20565 | 0.00000 | 602892.1 | 441712.2 | 0.0 | S |
| 135.767 | 0.0000 | 0.0000 | 81.647 | 0.20564 | 0.00000 | 602892.1 | 441718.4 | 0.0 | S |
| 135.775 | 0.0000 | 0.0000 | 81.647 | 0.20563 | 0.00000 | 602892.1 | 441724.5 | 0.0 | S |
| 135.783 | 0.0000 | 0.0000 | 81.647 | 0.20562 | 0.00000 | 602892.1 | 441730.7 | 0.0 | S |
| 135.792 | 0.0000 | 0.0000 | 81.647 | 0.20560 | 0.00000 | 602892.1 | 441736.9 | 0.0 | S |
| 135.800 | 0.0000 | 0.0000 | 81.647 | 0.20559 | 0.00000 | 602892.1 | 441743.1 | 0.0 | S |
| 135.808 | 0.0000 | 0.0000 | 81.646 | 0.20558 | 0.00000 | 602892.1 | 441749.2 | 0.0 | S |
| 135.817 | 0.0000 | 0.0000 | 81.646 | 0.20556 | 0.00000 | 602892.1 | 441755.4 | 0.0 | S |
| 135.825 | 0.0000 | 0.0000 | 81.646 | 0.20555 | 0.00000 | 602892.1 | 441761.6 | 0.0 | S |
| 135.833 | 0.0000 | 0.0000 | 81.646 | 0.20554 | 0.00000 | 602892.1 | 441767.7 | 0.0 | S |
| 135.842 | 0.0000 | 0.0000 | 81.646 | 0.20553 | 0.00000 | 602892.1 | 441773.9 | 0.0 | S |
| 135.850 | 0.0000 | 0.0000 | 81.646 | 0.20551 | 0.00000 | 602892.1 | 441780.1 | 0.0 | S |
| 135.858 | 0.0000 | 0.0000 | 81.646 | 0.20550 | 0.00000 | 602892.1 | 441786.2 | 0.0 | S |
| 135.867 | 0.0000 | 0.0000 | 81.646 | 0.20549 | 0.00000 | 602892.1 | 441792.4 | 0.0 | S |
| 135.875 | 0.0000 | 0.0000 | 81.645 | 0.20547 | 0.00000 | 602892.1 | 441798.5 | 0.0 | S |
| 135.883 | 0.0000 | 0.0000 | 81.645 | 0.20546 | 0.00000 | 602892.1 | 441804.7 | 0.0 | S |
| 135.892 | 0.0000 | 0.0000 | 81.645 | 0.20545 | 0.00000 | 602892.1 | 441810.9 | 0.0 | S |
| 135.900 | 0.0000 | 0.0000 | 81.645 | 0.20544 | 0.00000 | 602892.1 | 441817.0 | 0.0 | S |
| 135.908 | 0.0000 | 0.0000 | 81.645 | 0.20542 | 0.00000 | 602892.1 | 441823.2 | 0.0 | S |
| 135.917 | 0.0000 | 0.0000 | 81.645 | 0.20541 | 0.00000 | 602892.1 | 441829.4 | 0.0 | S |
| 135.925 | 0.0000 | 0.0000 | 81.645 | 0.20540 | 0.00000 | 602892.1 | 441835.5 | 0.0 | S |
| 135.933 | 0.0000 | 0.0000 | 81.645 | 0.20538 | 0.00000 | 602892.1 | 441841.7 | 0.0 | S |
| 135.942 | 0.0000 | 0.0000 | 81.645 | 0.20537 | 0.00000 | 602892.1 | 441847.8 | 0.0 | S |
| 135.950 | 0.0000 | 0.0000 | 81.644 | 0.20536 | 0.00000 | 602892.1 | 441854.0 | 0.0 | S |
| 135.958 | 0.0000 | 0.0000 | 81.644 | 0.20534 | 0.00000 | 602892.1 | 441860.2 | 0.0 | S |
| 135.967 | 0.0000 | 0.0000 | 81.644 | 0.20533 | 0.00000 | 602892.1 | 441866.3 | 0.0 | S |
| 135.975 | 0.0000 | 0.0000 | 81.644 | 0.20532 | 0.00000 | 602892.1 | 441872.5 | 0.0 | S |
| 135.983 | 0.0000 | 0.0000 | 81.644 | 0.20531 | 0.00000 | 602892.1 | 441878.7 | 0.0 | S |
| 135.992 | 0.0000 | 0.0000 | 81.644 | 0.20529 | 0.00000 | 602892.1 | 441884.8 | 0.0 | S |
| 136.000 | 0.0000 | 0.0000 | 81.644 | 0.20528 | 0.00000 | 602892.1 | 441891.0 | 0.0 | S |
| \$36.008 | 0.0000 | 0.0000 | 81.644 | 0.20527 | 0.00000 | 602892.1 | 441897.1 | 0.0 | S |
| 136.017 | 0.0000 | 0.0000 | 81.644 | 0.20526 | 0.00000 | 602892.1 | 441903.3 | 0.0 | S |
| 136.025 | 0.0000 | 0.0000 | 81.643 | 0.20524 | 0.00000 | 602892.1 | 441909.4 | 0.0 | S |
| 136.033 | 0.0000 | 0.0000 | 81.643 | 0.20523 | 0.00000 | 602892.1 | 441915.6 | 0.0 | S |
| 136.042 | 0.0000 | 0.0000 | 81.643 | 0.20522 | 0.00000 | 602892.1 | 441921.8 | 0.0 | S |
| 136.050 | 0.0000 | 0.0000 | 81.643 | 0.20520 | 0.00000 | 602892.1 | 441927.9 | 0.0 | S |
| 136.058 | 0.0000 | 0.0000 | 81.643 | 0.20519 | 0.00000 | 602892.1 | 441934.1 | 0.0 | S |
| 136.067 | 0.0000 | 0.0000 | 81.643 | 0.20518 | 0.00000 | 602892.1 | 441940.2 | 0.0 | S |
| 136.075 | 0.0000 | 0.0000 | 81.643 | 0.20517 | 0.00000 | 602892.1 | 441946.4 | 0.0 | S |
| 136.083 | 0.0000 | 0.0000 | 81.643 | 0.20515 | 0.00000 | 602892.1 | 441952.5 | 0.0 | S |
| 136.092 | 0.0000 | 0.0000 | 81.643 | 0.20514 | 0.00000 | 602892.1 | 441958.7 | 0.0 | S |
| 136.100 | 0.0000 | 0.0000 | 81.642 | 0.20513 | 0.00000 | 602892.1 | 441964.8 | 0.0 | S |
| 136.108 | 0.0000 | 0.0000 | 81.642 | 0.20511 | 0.00000 | 602892.1 | 441971.0 | 0.0 | S |
| 136.117 | 0.0000 | 0.0000 | 81.642 | 0.20510 | 0.00000 | 602892.1 | 441977.2 | 0.0 | S |
| 136.125 | 0.0000 | 0.0000 | 81.642 | 0.20509 | 0.00000 | 602892.1 | 441983.3 | 0.0 | S |
| 136.133 | 0.0000 | 0.0000 | 81.642 | 0.20508 | 0.00000 | 602892.1 | 441989.4 | 0.0 | S |
| 136.142 | 0.0000 | 0.0000 | 81.642 | 0.20506 | 0.00000 | 602892.1 | 441995.6 | 0.0 | S |
| 136.150 | 0.0000 | 0.0000 | 81.642 | 0.20505 | 0.00000 | 602892.1 | 442001.8 | 0.0 | S |
| 136.158 | 0.0000 | 0.0000 | 81.642 | 0.20504 | 0.00000 | 602892.1 | 442007.9 | 0.0 | S |
| 136.167 | 0.0000 | 0.0000 | 81.642 | 0.20502 | 0.00000 | 602892.1 | 442014.1 | 0.0 | S |
| 136.175 | 0.0000 | 0.0000 | 81.641 | 0.20501 | 0.00000 | 602892.1 | 442020.2 | 0.0 | S |
| 136.183 | 0.0000 | 0.0000 | 81.641 | 0.20500 | 0.00000 | 602892.1 | 442026.3 | 0.0 | S |
| 136.192 | 0.0000 | 0.0000 | 81.641 | 0.20499 | 0.00000 | 602892.1 | 442032.5 | 0.0 | S |
| 136.200 | 0.0000 | 0.0000 | 81.641 | 0.20497 | 0.00000 | 602892.1 | 442038.7 | 0.0 | S |
| 136.208 | 0.0000 | 0.0000 | 81.641 | 0.20496 | 0.00000 | 602892.1 | 442044.8 | 0.0 | S |
| 136.217 | 0.0000 | 0.0000 | 81.641 | 0.20495 | 0.00000 | 602892.1 | 442050.9 | 0.0 | S |
| 136.225 | 0.0000 | 0.0000 | 81.641 | 0.20493 | 0.00000 | 602892.1 | 442057.1 | 0.0 | S |
| 136.233 | 0.0000 | 0.0000 | 81.641 | 0.20492 | 0.00000 | 602892.1 | 442063.3 | 0.0 | S |
| \$36.242 | 0.0000 | 0.0000 | 81.641 | 0.20491 | 0.00000 | 602892.1 | 442069.4 | 0.0 | S |
| 136.250 | 0.0000 | 0.0000 | 81.640 | 0.20490 | 0.00000 | 602892.1 | 442075.5 | 0.0 | S |
| 136.258 | 0.0000 | 0.0000 | 81.640 | 0.20488 | 0.00000 | 602892.1 | 442081.7 | 0.0 | S |
| 136.267 | 0.0000 | 0.0000 | 81.640 | 0.20487 | 0.00000 | 602892.1 | 442087.8 | 0.0 | S |
| 136.275 | 0.0000 | 0.0000 | 81.640 | 0.20486 | 0.00000 | 602892.1 | 442094.0 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate (fishs) | Outside Recharge (fvday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Overflow Discharge $\left(\mathrm{ft}^{3} / \mathrm{s}\right)$ | Cumulative Inflow Volume ( $\mathrm{H}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{fl}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 136.283 | 0.0000 | 0.0000 | 81.640 | 0.20484 | 0.00000 | 602892.1 | 442100.1 | 0.0 | S |
| 136.292 | 0.0000 | 0.0000 | 81.640 | 0.20483 | 0.00000 | 602892.1 | 442106.3 | 0.0 | S |
| 136.300 | 0.0000 | 0.0000 | 81.640 | 0.20482 | 0.00000 | 602892.1 | 442112.4 | 0.0 | S |
| 136.308 | 0.0000 | 0.0000 | 81.640 | 0.20481 | 0.00000 | 602892.1 | 442118.6 | 0.0 | S |
| 136.317 | 0.0000 | 0.0000 | 81.640 | 0.20479 | 0.00000 | 602892.1 | 442124.7 | 0.0 | S |
| 136.325 | 0.0000 | 0.0000 | 81.639 | 0.20478 | 0.00000 | 602892.1 | 442130.8 | 0.0 | S |
| 136.333 | 0.0000 | 0.0000 | 81.639 | 0.20477 | 0.00000 | 602892.1 | 442137.0 | 0.0 | S |
| 136.342 | 0.0000 | 0.0000 | 81.639 | 0.20476 | 0.00000 | 602892.1 | 442143.1 | 0.0 | S |
| 136.350 | 0.0000 | 0.0000 | 81.639 | 0.20474 | 0.00000 | 602892.1 | 442149.3 | 0.0 | S |
| 136.358 | 0.0000 | 0.0000 | 81.639 | 0.20473 | 0.00000 | 602892.1 | 442155.4 | 0.0 | S |
| 136.367 | 0.0000 | 0.0000 | 81.639 | 0.20472 | 0.00000 | 602892.1 | 442161.6 | 0.0 | S |
| 136.375 | 0.0000 | 0.0000 | 81.639 | 0.20470 | 0.00000 | 602892.1 | 442167.7 | 0.0 | S |
| 136.383 | 0.0000 | 0.0000 | 81.639 | 0.20469 | 0.00000 | 602892.1 | 442173.8 | 0.0 | S |
| 136.392 | 0.0000 | 0.0000 | 81.639 | 0.20468 | 0.00000 | 602892.1 | 442180.0 | 0.0 | S |
| 136.400 | 0.0000 | 0.0000 | 81.638 | 0.20467 | 0.00000 | 602892.1 | 442186.1 | 0.0 | S |
| 136.408 | 0.0000 | 0.0000 | 81.638 | 0.20465 | 0.00000 | 602892.1 | 442192.3 | 0.0 | S |
| 136.417 | 0.0000 | 0.0000 | 81.638 | 0.20464 | 0.00000 | 602892.1 | 442198.4 | 0.0 | S |
| 136.425 | 0.0000 | 0.0000 | 81.638 | 0.20463 | 0.00000 | 602892.1 | 442204.5 | 0.0 | S |
| 136.433 | 0.0000 | 0.0000 | 81.638 | 0.20461 | 0.00000 | 602892.1 | 442210.7 | 0.0 | S |
| 136.442 | 0.0000 | 0.0000 | 81.638 | 0.20460 | 0.00000 | 602892.1 | 442216.8 | 0.0 | S |
| 136.450 | 0.0000 | 0.0000 | 81.638 | 0.20459 | 0.00000 | 602892.1 | 442223.0 | 0.0 | S |
| 136.458 | 0.0000 | 0.0000 | 81.638 | 0.20458 | 0.00000 | 602892.1 | 442229.1 | 0.0 | S |
| 136.467 | 0.0000 | 0.0000 | 81.638 | 0.20456 | 0.00000 | 602892.1 | 442235.2 | 0.0 | S |
| 136.475 | 0.0000 | 0.0000 | 81.637 | 0.20455 | 0.00000 | 602892.1 | 442241.4 | 0.0 | S |
| 136.483 | 0.0000 | 0.0000 | 81.637 | 0.20454 | 0.00000 | 602892.1 | 442247.5 | 0.0 | S |
| 136.492 | 0.0000 | 0.0000 | 81.637 | 0.20453 | 0.00000 | 602892.1 | 442253.6 | 0.0 | S |
| 136.500 | 0.0000 | 0.0000 | 81.637 | 0.20451 | 0.00000 | 602892.1 | 442259.8 | 0.0 | S |
| 136.508 | 0.0000 | 0.0000 | 81.637 | 0.20450 | 0.00000 | 602892.1 | 442265.9 | 0.0 | S |
| 136.517 | 0.0000 | 0.0000 | 81.637 | 0.20449 | 0.00000 | 602892.1 | 442272.0 | 0.0 | S |
| 136.525 | 0.0000 | 0.0000 | 81.637 | 0.20447 | 0.00000 | 602892.1 | 442278.2 | 0.0 | S |
| 136.533 | 0.0000 | 0.0000 | 81.637 | 0.20446 | 0.00000 | 602892.1 | 442284.3 | 0.0 | S |
| 136.542 | 0.0000 | 0.0000 | 81.637 | 0.20445 | 0.00000 | 602892.1 | 442290.4 | 0.0 | S |
| 136.550 | 0.0000 | 0.0000 | 81.636 | 0.20444 | 0.00000 | 602892.1 | 442296.6 | 0.0 | S |
| 136.558 | 0.0000 | 0.0000 | 81.636 | 0.20442 | 0.00000 | 602892.1 | 442302.7 | 0.0 | S |
| 136.567 | 0.0000 | 0.0000 | 81.636 | 0.20441 | 0.00000 | 602892.1 | 442308.8 | 0.0 | S |
| 136.575 | 0.0000 | 0.0000 | 81.636 | 0.20440 | 0.00000 | 602892.1 | 442315.0 | 0.0 | S |
| 136.583 | 0.0000 | 0.0000 | 81.636 | 0.20438 | 0.00000 | 602892.1 | 442321.1 | 0.0 | S |
| 136.592 | 0.0000 | 0.0000 | 81.636 | 0.20437 | 0.00000 | 602892.1 | 442327.3 | 0.0 | S |
| 136.600 | 0.0000 | 0.0000 | 81.636 | 0.20436 | 0.00000 | 602892.1 | 442333.4 | 0.0 | S |
| 136.608 | 0.0000 | 0.0000 | 81.636 | 0.20435 | 0.00000 | 602892.1 | 442339.5 | 0.0 | S |
| 136.617 | 0.0000 | 0.0000 | 81.636 | 0.20433 | 0.00000 | 602892.1 | 442345.6 | 0.0 | S |
| 136.625 | 0.0000 | 0.0000 | 81.635 | 0.20432 | 0.00000 | 602892.1 | 442351.8 | 0.0 | S |
| 136.633 | 0.0000 | 0.0000 | 81.635 | 0.20431 | 0.00000 | 602892.1 | 442357.9 | 0.0 | S |
| 136.642 | 0.0000 | 0.0000 | 81.635 | 0.20430 | 0.00000 | 602892.1 | 442364.0 | 0.0 | S |
| 136.650 | 0.0000 | 0.0000 | 81.635 | 0.20428 | 0.00000 | 602892.1 | 442370.2 | 0.0 | S |
| 136.658 | 0.0000 | 0.0000 | 81.635 | 0.20427 | 0.00000 | 602892.1 | 442376.3 | 0.0 | S |
| 136.667 | 0.0000 | 0.0000 | 81.635 | 0.20426 | 0.00000 | 602892.1 | 442382.4 | 0.0 | S |
| 136.675 | 0.0000 | 0.0000 | 81.635 | 0.20424 | 0.00000 | 602892.1 | 442388.5 | 0.0 | S |
| 136.683 | 0.0000 | 0.0000 | 81.635 | 0.20423 | 0.00000 | 602892.1 | 442394.7 | 0.0 | S |
| 136.692 | 0.0000 | 0.0000 | 81.635 | 0.20422 | 0.00000 | 602892.1 | 442400.8 | 0.0 | S |
| 136.700 | 0.0000 | 0.0000 | 81.634 | 0.20421 | 0.00000 | 602892.1 | 442406.9 | 0.0 | S |
| 136.708 | 0.0000 | 0.0000 | 81.634 | 0.20419 | 0.00000 | 602892.1 | 442413.0 | 0.0 | S |
| 136.717 | 0.0000 | 0.0000 | 81.634 | 0.20418 | 0.00000 | 602892.1 | 442419.2 | 0.0 | S |
| 136.725 | 0.0000 | 0.0000 | 81.634 | 0.20417 | 0.00000 | 602892.1 | 442425.3 | 0.0 | S |
| 136.733 | 0.0000 | 0.0000 | 81.634 | 0.20416 | 0.00000 | 602892.1 | 442431.4 | 0.0 | S |
| 136.742 | 0.0000 | 0.0000 | 81.634 | 0.20414 | 0.00000 | 602892.1 | 442437.5 | 0.0 | S |
| 136.750 | 0.0000 | 0.0000 | 81.634 | 0.20413 | 0.00000 | 602892.1 | 442443.7 | 0.0 | S |
| 136.758 | 0.0000 | 0.0000 | 81.634 | 0.20412 | 0.00000 | 602892.1 | 442449.8 | 0.0 | S |
| 136.767 | 0.0000 | 0.0000 | 81.634 | 0.20410 | 0.00000 | 602892.1 | 442455.9 | 0.0 | S |
| 136.775 | 0.0000 | 0.0000 | 81.633 | 0.20409 | 0.00000 | 602892.1 | 442462.0 | 0.0 | S |
| 136.783 | 0.0000 | 0.0000 | 81.633 | 0.20408 | 0.00000 | $602892 . \frac{1}{1}$ | 442468.2 | 0.0 | S |
| 136.792 | 0.0000 | 0.0000 | 81.633 | 0.20407 | 0.00000 | 602892.7 | 442474.3 | 0.0 | S |
| 136.800 | 0.0000 | 0.0000 | 81.633 | 0.20405 | 0.00000 | 602892.1 | 442480.4 | 0.0 | S |
| 136.808 | 0.0000 | 0.0000 | 81.633 | 0.20404 | 0.00000 | 602892.1 | 442486.5 | 0.0 | S |
| 136.817 | 0.0000 | 0.0000 | 81.633 | 0.20403 | 0.00000 | 602892.1 | 442492.7 | 0.0 | S |
| 136.825 | 0.0000 | 0.0000 | 81.633 | 0.20402 | 0.00000 | 602892.1 | 442498.8 | 0.0 | S |
| 136.833 | 0.0000 | 0.0000 | 81.633 | 0.20400 | 0.00000 | 602892.1 | 442504.9 | 0.0 | S |
| 136.842 | 0.0000 | 0.0000 | 81.633 | 0.20399 | 0.00000 | 602892.1 | 442511.0 | 0.0 | S |
| 136.850 | 0.0000 | 0.0000 | 81.632 | 0.20398 | 0.00000 | 602892.1 | 442517.1 | 0.0 | S |
| 136.858 | 0.0000 | 0.0000 | 81.632 | 0.20396 | 0.00000 | 602892.1 | 442523.3 | 0.0 | S |
| 136.867 | 0.0000 | 0.0000 | 81.632 | 0.20395 | 0.00000 | 602892.1 | 442529.4 | 0.0 | S |
| 136.875 | 0.0000 | 0.0000 | 81.632 | 0.20394 | 0.00000 | 602892.1 | 442535.5 | 0.0 | S |
| 136.883 | 0.0000 | 0.0000 | 81.632 | 0.20393 | 0.00000 | 602892.1 | 442541.6 | 0.0 | S |
| 136.892 | 0.0000 | 0.0000 | 81.632 | 0.20391 | 0.00000 | 602892.1 | 442547.7 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume (ft ${ }^{3}$ ) | Cumulative Discharge Volume $\left(\mathrm{ft}^{3}\right)$ | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 136.900 | 0.0000 | 0.0000 | 81.632 | 0.20390 | 0.00000 | 602892.1 | 442553.8 | 0.0 | S |
| 136.908 | 0.0000 | 0.0000 | 81.632 | 0.20389 | 0.00000 | 602892.1 | 442559.9 | 0.0 | S |
| 136.917 | 0.0000 | 0.0000 | 81.632 | 0.20388 | 0.00000 | 602892.1 | 442566.1 | 0.0 | S |
| 136.925 | 0.0000 | 0.0000 | 81.631 | 0.20386 | 0.00000 | 602892.1 | 442572.2 | 0.0 | S |
| 136.933 | 0.0000 | 0.0000 | 81.631 | 0.20385 | 0.00000 | 602892.1 | 442578.3 | 0.0 | S |
| 136.942 | 0.0000 | 0.0000 | 81.631 | 0.20384 | 0.00000 | 602892.1 | 442584.4 | 0.0 | S |
| 136.950 | 0.0000 | 0.0000 | 81.631 | 0.20383 | 0.00000 | 602892.1 | 442590.5 | 0.0 | S |
| 136.958 | 0.0000 | 0.0000 | 81.631 | 0.20381 | 0.00000 | 602892.1 | 442596.7 | 0.0 | S |
| 136.967 | 0.0000 | 0.0000 | 81.631 | 0.20380 | 0.00000 | 602892.1 | 442602.8 | 0.0 | S |
| 136.975 | 0.0000 | 0.0000 | 81.631 | 0.20379 | 0.00000 | 602892.1 | 442608.9 | 0.0 | S |
| 136.983 | 0.0000 | 0.0000 | 81.631 | 0.20377 | 0.00000 | 602892.1 | 442615.0 | 0.0 | S |
| 136.992 | 0.0000 | 0.0000 | 81.631 | 0.20376 | 0.00000 | 602892.1 | 442621.1 | 0.0 | S |
| 137.000 | 0.0000 | 0.0000 | 81.630 | 0.20375 | 0.00000 | 602892.1 | 442627.2 | 0.0 | S |
| 137.008 | 0.0000 | 0.0000 | 81.630 | 0.20374 | 0.00000 | 602892.1 | 442633.3 | 0.0 | S |
| 137.017 | 0.0000 | 0.0000 | 81.630 | 0.20372 | 0.00000 | 602892.1 | 442639.4 | 0.0 | S |
| 137.025 | 0.0000 | 0.0000 | 81.630 | 0.20371 | 0.00000 | 602892.1 | 442645.5 | 0.0 | S |
| 137.033 | 0.0000 | 0.0000 | 81.630 | 0.20370 | 0.00000 | 602892.1 | 442651.7 | 0.0 | S |
| 137.042 | 0.0000 | 0.0000 | 81.630 | 0.20369 | 0.00000 | 602892.1 | 442657.8 | 0.0 | S |
| 137.050 | 0.0000 | 0.0000 | 81.630 | 0.20367 | 0.00000 | 602892.1 | 442663.9 | 0.0 | S |
| 137.058 | 0.0000 | 0.0000 | 81.630 | 0.20366 | 0.00000 | 602892.1 | 442670.0 | 0.0 | S |
| 137.067 | 0.0000 | 0.0000 | 81.630 | 0.20365 | 0.00000 | 602892.1 | 442676.1 | 0.0 | S |
| 137.075 | 0.0000 | 0.0000 | 81.629 | 0.20364 | 0.00000 | 602892.1 | 442682.2 | 0.0 | S |
| 137.083 | 0.0000 | 0.0000 | 81.629 | 0.20362 | 0.00000 | 602892.1 | 442688.3 | 0.0 | S |
| 137.092 | 0.0000 | 0.0000 | 81.629 | 0.20361 | 0.00000 | 602892.7 | 442694.4 | 0.0 | S |
| 137.100 | 0.0000 | 0.0000 | 81.629 | 0.20360 | 0.00000 | 602892.1 | 442700.5 | 0.0 | S |
| 137.108 | 0.0000 | 0.0000 | 81.629 | 0.20358 | 0.00000 | 602892.1 | 442706.7 | 0.0 | S |
| 137.117 | 0.0000 | 0.0000 | 81.629 | 0.20357 | 0.00000 | 602892.1 | 442712.8 | 0.0 | S |
| 137.125 | 0.0000 | 0.0000 | 81.629 | 0.20356 | 0.00000 | 602892.1 | 442718.8 | 0.0 | S |
| 137.133 | 0.0000 | 0.0000 | 81.629 | 0.20355 | 0.00000 | 602892.1 | 442725.0 | 0.0 | S |
| 137.142 | 0.0000 | 0.0000 | 81.629 | 0.20353 | 0.00000 | 602892.1 | 442731.1 | 0.0 | S |
| 137.150 | 0.0000 | 0.0000 | 81.628 | 0.20352 | 0.00000 | 602892.1 | 442737.2 | 0.0 | S |
| 137.158 | 0.0000 | 0.0000 | 81.628 | 0.20351 | 0.00000 | 602892.1 | 442743.3 | 0.0 | S |
| 137.167 | 0.0000 | 0.0000 | 81.628 | 0.20350 | 0.00000 | 602892.1 | 442749.4 | 0.0 | S |
| 137.175 | 0.0000 | 0.0000 | 81.628 | 0.20348 | 0.00000 | 602892.1 | 442755.5 | 0.0 | S |
| 137.183 | 0.0000 | 0.0000 | 81.628 | 0.20347 | 0.00000 | 602892.1 | 442761.6 | 0.0 | S |
| 137.192 | 0.0000 | 0.0000 | 81.628 | 0.20346 | 0.00000 | 602892.1 | 442767.7 | 0.0 | S |
| 137.200 | 0.0000 | 0.0000 | 81.628 | 0.20345 | 0.00000 | 602892.1 | 442773.8 | 0.0 | S |
| 137.208 | 0.0000 | 0.0000 | 81.628 | 0.20343 | 0.00000 | 602892.1 | 442779.9 | 0.0 | S |
| 137.217 | 0.0000 | 0.0000 | 81.628 | 0.20342 | 0.00000 | 602892.1 | 442786.0 | 0.0 | S |
| 137.225 | 0.0000 | 0.0000 | 81.627 | 0.20341 | 0.00000 | 602892.1 | 442792.1 | 0.0 | S |
| 137.233 | 0.0000 | 0.0000 | 81.627 | 0.20339 | 0.00000 | 602892.1 | 442798.2 | 0.0 | S |
| 137.242 | 0.0000 | 0.0000 | 81.627 | 0.20338 | 0.00000 | 602892.1 | 442804.3 | 0.0 | S |
| 137.250 | 0.0000 | 0.0000 | 81.627 | 0.20337 | 0.00000 | 602892.1 | 442810.4 | 0.0 | S |
| 137.258 | 0.0000 | 0.0000 | 81.627 | 0.20336 | 0.00000 | 602892.1 | 442816.5 | 0.0 | S |
| 137.267 | 0.0000 | 0.0000 | 81.627 | 0.20334 | 0.00000 | 602892.1 | 442822.6 | 0.0 | S |
| 137.275 | 0.0000 | 0.0000 | 81.627 | 0.20333 | 0.00000 | 602892.1 | 442828.7 | 0.0 | S |
| 137.283 | 0.0000 | 0.0000 | 81.627 | 0.20332 | 0.00000 | 602892.1 | 442834.8 | 0.0 | S |
| 137.292 | 0.0000 | 0.0000 | 81.627 | 0.20331 | 0.00000 | 602892.1 | 442840.9 | 0.0 | S |
| 137.300 | 0.0000 | 0.0000 | 81.626 | 0.20329 | 0.00000 | 602892.1 | 442847.0 | 0.0 | S |
| 137.308 | 0.0000 | 0.0000 | 81.626 | 0.20328 | 0.00000 | 602892.1 | 442853.1 | 0.0 | S |
| 137.317 | 0.0000 | 0.0000 | 81.626 | 0.20327 | 0.00000 | 602892.1 | 442859.2 | 0.0 | S |
| 137.325 | 0.0000 | 0.0000 | 81.626 | 0.20326 | 0.00000 | 602892.1 | 442865.3 | 0.0 | S |
| 137.333 | 0.0000 | 0.0000 | 81.626 | 0.20324 | 0.00000 | 602892.1 | 442871.4 | 0.0 | S |
| 137.342 | 0.0000 | 0.0000 | 81.626 | 0.20323 | 0.00000 | 602892.1 | 442877.5 | 0.0 | S |
| 137.350 | 0.0000 | 0.0000 | 81.626 | 0.20322 | 0.00000 | 602892.1 | 442883.6 | 0.0 | S |
| 137.358 | 0.0000 | 0.0000 | 81.626 | 0.20321 | 0.00000 | 602892.1 | 442889.7 | 0.0 | S |
| 137.367 | 0.0000 | 0.0000 | 81.626 | 0.20319 | 0.00000 | 602892.1 | 442895.8 | 0.0 | S |
| 137.375 | 0.0000 | 0.0000 | 81.626 | 0.20318 | 0.00000 | 602892.1 | 442901.9 | 0.0 | S |
| 137.383 | 0.0000 | 0.0000 | 81.625 | 0.20317 | 0.00000 | 602892.1 | 442908.0 | 0.0 | S |
| 137.392 | 0.0000 | 0.0000 | 81.625 | 0.20316 | 0.00000 | 602892.1 | 442914.1 | 0.0 | S |
| 137.400 | 0.0000 | 0.0000 | 81.625 | 0.20314 | 0.00000 | 602892.1 | 442920.2 | 0.0 | S |
| 137.408 | 0.0000 | 0.0000 | 81.625 | 0.20313 | 0.00000 | 602892.1 | 442926.3 | 0.0 | S |
| 137.417 | 0.0000 | 0.0000 | 81.625 | 0.20312 | 0.00000 | 602892.1 | 442932.4 | 0.0 | S |
| 137.425 | 0.0000 | 0.0000 | 81.625 | 0.20310 | 0.00000 | 602892.1 | 442938.5 | 0.0 | S |
| 137.433 | 0.0000 | 0.0000 | 81.625 | 0.20309 | 0.00000 | 602892.1 | 442944.5 | 0.0 | S |
| 137.442 | 0.0000 | 0.0000 | 81.625 | 0.20308 | 0.00000 | 602892.1 | 442950.6 | 0.0 | S |
| 137.450 | 0.0000 | 0.0000 | 81.625 | 0.20307 | 0.00000 | 602892.1 | 442956.7 | 0.0 | S |
| 137.458 | 0.0000 | 0.0000 | 81.624 | 0.20305 | 0.00000 | 602892.1 | 442962.8 | 0.0 | S |
| 137.467 | 0.0000 | 0.0000 | 81.624 | 0.20304 | 0.00000 | 602892.1 | 442968.9 | 0.0 | S |
| 137.475 | 0.0000 | 0.0000 | 81.624 | 0.20303 | 0.00000 | 602892.1 | 442975.0 | 0.0 | S |
| 137.483 | 0.0000 | 0.0000 | 81.624 | 0.20302 | 0.00000 | 602892.1 | 442981.1 | 0.0 | S |
| 137.492 | 0.0000 | 0.0000 | 81.624 | 0.20300 | 0.00000 | 602892.1 | 442987.2 | 0.0 | S |
| 137.500 | 0.0000 | 0.0000 | 81.624 | 0.20299 | 0.00000 | 602892.1 | 442993.3 | 0.0 | S |
| 137.508 | 0.0000 | 0.0000 | 81.624 | 0.20298 | 0.00000 | 602892.1 | 442999.4 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3 /} / \mathrm{s}$ ) | Overliow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 137.517 | 0.0000 | 0.0000 | 81.624 | 0.20297 | 0.00000 | 602892.1 | 443005.5 | 0.0 | S |
| 137.525 | 0.0000 | 0.0000 | 81.624 | 0.20295 | 0.00000 | 602892.1 | 443011.5 | 0.0 | S |
| 137.533 | 0.0000 | 0.0000 | 81.623 | 0.20294 | 0.00000 | 602892.1 | 443017.6 | 0.0 | S |
| 137.542 | 0.0000 | 0.0000 | 81.623 | 0.20293 | 0.00000 | 602892.1 | 443023.7 | 0.0 | S |
| 137.550 | 0.0000 | 0.0000 | 81.623 | 0.20292 | 0.00000 | 602892.1 | 443029.8 | 0.0 | S |
| 137.558 | 0.0000 | 0.0000 | 81.623 | 0.20290 | 0.00000 | 602892.1 | 443035.9 | 0.0 | S |
| 137.567 | 0.0000 | 0.0000 | 81.623 | 0.20289 | 0.00000 | 602892.1 | 443042.0 | 0.0 | S |
| 137.575 | 0.0000 | 0.0000 | 81.623 | 0.20288 | 0.00000 | 602892.1 | 443048.1 | 0.0 | S |
| 137.583 | 0.0000 | 0.0000 | 81.623 | 0.20287 | 0.00000 | 602892.1 | 443054.2 | 0.0 | S |
| 137.592 | 0.0000 | 0.0000 | 81.623 | 0.20285 | 0.00000 | 602892.1 | 443060.3 | 0.0 | S |
| 137.600 | 0.0000 | 0.0000 | 81.623 | 0.20284 | 0.00000 | 602892.1 | 443066.3 | 0.0 | S |
| 137.608 | 0.0000 | 0.0000 | 81.622 | 0.20283 | 0.00000 | 602892.1 | 443072.4 | 0.0 | S |
| 137.617 | 0.0000 | 0.0000 | 81.622 | 0.20282 | 0.00000 | 602892.1 | 443078.5 | 0.0 | S |
| 137.625 | 0.0000 | 0.0000 | 81.622 | 0.20280 | 0.00000 | 602892.1 | 443084.6 | 0.0 | S |
| 137.633 | 0.0000 | 0.0000 | 81.622 | 0.20279 | 0.00000 | 602892.1 | 443090.7 | 0.0 | S |
| 137.642 | 0.0000 | 0.0000 | 81.622 | 0.20278 | 0.00000 | 602892.1 | 443096.8 | 0.0 | S |
| 137.650 | 0.0000 | 0.0000 | 81.622 | 0.20276 | 0.00000 | 602892.1 | 443102.8 | 0.0 | S |
| 137.658 | 0.0000 | 0.0000 | 81.622 | 0.20275 | 0.00000 | 602892.1 | 443108.9 | 0.0 | S |
| 137.667 | 0.0000 | 0.0000 | 81.622 | 0.20274 | 0.00000 | 602892.1 | 443115.0 | 0.0 | S |
| 137.675 | 0.0000 | 0.0000 | 81.622 | 0.20273 | 0.00000 | 602892.1 | 443121.1 | 0.0 | S |
| 137.683 | 0.0000 | 0.0000 | 81.621 | 0.20271 | 0.00000 | 602892.1 | 443127.2 | 0.0 | S |
| 137.692 | 0.0000 | 0.0000 | 81.621 | 0.20270 | 0.00000 | 602892.1 | 443133.3 | 0.0 | S |
| 137.700 | 0.0000 | 0.0000 | 81.621 | 0.20269 | 0.00000 | 602892.1 | 443139.3 | 0.0 | S |
| 137.708 | 0.0000 | 0.0000 | 81.621 | 0.20268 | 0.00000 | 602892.1 | 443145.4 | 0.0 | S |
| 137.717 | 0.0000 | 0.0000 | 81.621 | 0.20266 | 0.00000 | 602892.1 | 443151.5 | 0.0 | S |
| 137.725 | 0.0000 | 0.0000 | 81.621 | 0.20265 | 0.00000 | 602892.1 | 443157.6 | 0.0 | S |
| 137.733 | 0.0000 | 0.0000 | 81.621 | 0.20264 | 0.00000 | 602892.1 | 443163.7 | 0.0 | S |
| 137.742 | 0.0000 | 0.0000 | 81.621 | 0.20263 | 0.00000 | 602892.1 | 443169.7 | 0.0 | S |
| 137.750 | 0.0000 | 0.0000 | 81.621 | 0.20261 | 0.00000 | 602892.1 | 443175.8 | 0.0 | S |
| 137.758 | 0.0000 | 0.0000 | 81.620 | 0.20260 | 0.00000 | 602892.1 | 443181.9 | 0.0 | S |
| 137.767 | 0.0000 | 0.0000 | 81.620 | 0.20259 | 0.00000 | 602892.1 | 443188.0 | 0.0 | S |
| 137.775 | 0.0000 | 0.0000 | 81.620 | 0.20258 | 0.00000 | 602892.1 | 443194.0 | 0.0 | S |
| 137.783 | 0.0000 | 0.0000 | 81.620 | 0.20256 | 0.00000 | 602892.1 | 443200.1 | 0.0 | S |
| 137.792 | 0.0000 | 0.0000 | 81,620 | 0.20255 | 0.00000 | 602892.1 | 443206.2 | 0.0 | S |
| 137.800 | 0.0000 | 0.0000 | 81.620 | 0.20254 | 0.00000 | 602892.1 | 443212.3 | 0.0 | S |
| 137.808 | 0.0000 | 0.0000 | 81.620 | 0.20253 | 0.00000 | 602892.1 | 443218.3 | 0.0 | S |
| 137.817 | 0.0000 | 0.0000 | 81.620 | 0.20251 | 0.00000 | 602892.1 | 443224.4 | 0.0 | S |
| 137.825 | 0.0000 | 0.0000 | 81.620 | 0.20250 | 0.00000 | 602892.1 | 443230.5 | 0.0 | S |
| 137.833 | 0.0000 | 0.0000 | 81.619 | 0.20249 | 0.00000 | 602892.1 | 443236.6 | 0.0 | S |
| 137.842 | 0.0000 | 0.0000 | 81.619 | 0.20248 | 0.00000 | 602892.1 | 443242.6 | 0.0 | S |
| 137.850 | 0.0000 | 0.0000 | 81.619 | 0.20246 | 0.00000 | 602892.1 | 443248.7 | 0.0 | S |
| 137.858 | 0.0000 | 0.0000 | 81.618 | 0.20245 | 0.00000 | 602892.1 | 443254.8 | 0.0 | S |
| 137.867 | 0.0000 | 0.0000 | 81.619 | 0.20244 | 0.00000 | 602892.1 | 443260.9 | 0.0 | S |
| 137.875 | 0.0000 | 0.0000 | 81.619 | 0.20243 | 0.00000 | 602892.1 | 443266.9 | 0.0 | S |
| 137.883 | 0.0000 | 0.0000 | 81.619 | 0.20241 | 0.00000 | 602892.1 | 443273.0 | 0.0 | S |
| 137.892 | 0.0000 | 0.0000 | 81.619 | 0.20240 | 0.00000 | 602892.1 | 443279.1 | 0.0 | S |
| 137.900 | 0.0000 | 0.0000 | 81.619 | 0.20239 | 0.00000 | 602892.1 | 443285.2 | 0.0 | S |
| 137.908 | 0.0000 | 0.0000 | 81.618 | 0.20238 | 0.00000 | 602892.1 | 443291.2 | 0.0 | S |
| 137.917 | 0.0000 | 0.0000 | 81.618 | 0.20236 | 0.00000 | 602892.1 | 443297.3 | 0.0 | S |
| 137.925 | 0.0000 | 0.0000 | 81.618 | 0.20235 | 0.00000 | 602892.1 | 443303.4 | 0.0 | S |
| 137.933 | 0.0000 | 0.0000 | 81.618 | 0.20234 | 0.00000 | 602892.1 | 443309.4 | 0.0 | S |
| 137.942 | 0.0000 | 0.0000 | 81.618 | 0.20233 | 0.00000 | 602892.1 | 443315.5 | 0.0 | S |
| 137.950 | 0.0000 | 0.0000 | 81.618 | 0.20231 | 0.00000 | 602892.1 | 443321.6 | 0.0 | S |
| 137.958 | 0.0000 | 0.0000 | 81.618 | 0.20230 | 0.00000 | 602892.1 | 443327.7 | 0.0 | S |
| 137.967 | 0.0000 | 0.0000 | 81.618 | 0.20229 | 0.00000 | 602892.1 | 443333.7 | 0.0 | S |
| 137.975 | 0.0000 | 0.0000 | 81.618 | 0.20228 | 0.00000 | 602892.1 | 443339.8 | 0.0 | S |
| 137.983 | 0.0000 | 0.0000 | 81.617 | 0.20226 | 0.00000 | 602892.1 | 443345.8 | 0.0 | S |
| 137.992 | 0.0000 | 0.0000 | 81.617 | 0.20225 | 0.00000 | 602892.1 | 443351.9 | 0.0 | S |
| 138.000 | 0.0000 | 0.0000 | 81.617 | 0.20224 | 0.00000 | 602892.1 | 443358.0 | 0.0 | S |
| 138.008 | 0.0000 | 0.0000 | 81.617 | 0.20223 | 0.00000 | 602892.1 | 443364.1 | 0.0 | S |
| 138.017 | 0.0000 | 0.0000 | 81.617 | 0.20221 | 0.00000 | 602892.1 | 443370.1 | 0.0 | S |
| 138.025 | 0.0000 | 0.0000 | 81.617 | 0.20220 | 0.00000 | 602892.1 | 443376.2 | 0.0 | S |
| 138.033 | 0.0000 | 0.0000 | 81.617 | 0.20219 | 0.00000 | 602892.1 | 443382.3 | 0.0 | S |
| 138.042 | 0.0000 | 0.0000 | 81.617 | 0.20218 | 0.00000 | 602892.1 | 443388.3 | 0.0 | S |
| 138.050 | 0.0000 | 0.0000 | 81.617 | 0.20216 | 0.00000 | 602892.1 | 443394.4 | 0.0 | S |
| 138.058 | 0.0000 | 0.0000 | 81.616 | 0.20215 | 0.00000 | 602892.1 | 443400.4 | 0.0 | S |
| 138.067 | 0.0000 | 0.0000 | 81.616 | 0.20214 | 0.00000 | 602892.1 | 443406.5 | 0.0 | S |
| 138.075 | 0.0000 | 0.0000 | 81.616 | 0.20213 | 0.00000 | 602892.1 | 443412.6 | 0.0 | S |
| 138.083 | 0.0000 | 0.0000 | 81.616 | 0.20211 | 0.00000 | 602892.1 | 443418.6 | 0.0 | S |
| 138.092 | 0.0000 | 0.0000 | 81.616 | 0.20210 | 0.00000 | 602892.1 | 443424.7 | 0.0 | S |
| 138.100 | 0.0000 | 0.0000 | 81.616 | 0.20209 | 0.00000 | 602892.1 | 443430.8 | 0.0 | S |
| 138.108 | 0.0000 | 0.0000 | 81.616 | 0.20208 | 0.00000 | 602892.1 | 443436.8 | 0.0 | S |
| 138.117 | 0.0000 | 0.0000 | 81.616 | 0.20206 | 0.00000 | 602892.1 | 443442.9 | 0.0 | S |
| 138.125 | 0.0000 | 0.0000 | 81.616 | 0.20205 | 0.00000 | 602892.1 | 443448.9 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{t}^{2} / \mathrm{s}$ ) | Outside Recharge (fl/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{Hl}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative <br> Discharge <br> Volume ( $\mathrm{fl}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 138.133 | 0.0000 | 0.0000 | 81.615 | 0.20204 | 0.00000 | 602892.1 | 443455.0 | 0.0 | S |
| 138.142 | 0.0000 | 0.0000 | 81.615 | 0.20203 | 0.00000 | 602892.1 | 443461.1 | 0.0 | S |
| 138.150 | 0.0000 | 0.0000 | 81.615 | 0.20201 | 0.00000 | 602892.1 | 443467.1 | 0.0 | S |
| 138.158 | 0.0000 | 0.0000 | 81.615 | 0.20200 | 0.00000 | 602892.1 | 443473.2 | 0.0 | S |
| 138.167 | 0.0000 | 0.0000 | 81.615 | 0.20199 | 0.00000 | 602892.1 | 443479.3 | 0.0 | S |
| 138.175 | 0.0000 | 0.0000 | 81.615 | 0.20198 | 0.00000 | 602892.1 | 443485.3 | 0.0 | S |
| 138.183 | 0.0000 | 0.0000 | 81.615 | 0.20196 | 0.00000 | 602892.1 | 443491.4 | 0.0 | S |
| 138.192 | 0.0000 | 0.0000 | 81.615 | 0.20195 | 0.00000 | 602892.1 | 443497.4 | 0.0 | S |
| 138.200 | 0.0000 | 0.0000 | 81.615 | 0.20194 | 0.00000 | 602892.1 | 443503.5 | 0.0 | S |
| 138.208 | 0.0000 | 0.0000 | 81.614 | 0.20193 | 0.00000 | 602892.1 | 443509.5 | 0.0 | S |
| 138.217 | 0.0000 | 0.0000 | 81.614 | 0.20191 | 0.00000 | 602892.1 | 443515.6 | 0.0 | S |
| 138.225 | 0.0000 | 0.0000 | 81,614 | 0.20190 | 0.00000 | 602892.1 | 443521.7 | 0.0 | S |
| 138.233 | 0.0000 | 0.0000 | 81.614 | 0.20189 | 0.00000 | 602892.1 | 443527.7 | 0.0 | S |
| 138.242 | 0.0000 | 0.0000 | 81,614 | 0.20188 | 0.00000 | 602892.1 | 443533.8 | 0.0 | S |
| 138.250 | 0.0000 | 0.0000 | 81.614 | 0.20186 | 0.00000 | 602892.1 | 443539.8 | 0.0 | S |
| 138.258 | 0.0000 | 0.0000 | 81.614 | 0.20185 | 0.00000 | 602892.1 | 443545.9 | 0.0 | S |
| 138.267 | 0.0000 | 0.0000 | 81.614 | 0.20184 | 0.00000 | 602892.1 | 443551.9 | 0.0 | S |
| 138.275 | 0.0000 | 0.0000 | 81.614 | 0.20183 | 0.00000 | 602892.1 | 443558.0 | 0.0 | S |
| 138.283 | 0.0000 | 0.0000 | 81.613 | 0.20181 | 0.00000 | 602892.1 | 443564.1 | 0.0 | S |
| 138.292 | 0.0000 | 0.0000 | 81.613 | 0.20180 | 0.00000 | 602892.1 | 443570.1 | 0.0 | S |
| 138.300 | 0.0000 | 0.0000 | 81.613 | 0.20179 | 0.00000 | 602892.1 | 443576.2 | 0.0 | S |
| 138.308 | 0.0000 | 0.0000 | 81.613 | 0.20178 | 0.00000 | 602892.1 | 443582.2 | 0.0 | S |
| 138.317 | 0.0000 | 0.0000 | 81.613 | 0.20176 | 0.00000 | 602892.1 | 443588.3 | 0.0 | S |
| 138.325 | 0.0000 | 0.0000 | 81.613 | 0.20175 | 0.00000 | 602892.1 | 443594.3 | 0.0 | S |
| 138.333 | 0.0000 | 0.0000 | 81.613 | 0.20174 | 0.00000 | 602892.1 | 443600.4 | 0.0 | S |
| 138.342 | 0.0000 | 0.0000 | 81.613 | 0.20173 | 0.00000 | 602892.1 | 443606.4 | 0.0 | S |
| 138.350 | 0.0000 | 0.0000 | 81.613 | 0.20171 | 0.00000 | 602892.1 | 443612.5 | 0.0 | S |
| 138.358 | 0.0000 | 0.0000 | 81.612 | 0.20170 | 0.00000 | 602892.1 | 443618.5 | 0.0 | S |
| 138.367 | 0.0000 | 0.0000 | 81.612 | 0.20169 | 0.00000 | 602892.1 | 443624.6 | 0.0 | S |
| 138.375 | 0.0000 | 0.0000 | 81.612 | 0.20168 | 0.00000 | 602892.1 | 443630.6 | 0.0 | S |
| 138.383 | 0.0000 | 0.0000 | 81.612 | 0.20166 | 0.00000 | 602892.1 | 443636.7 | 0.0 | S |
| 138.392 | 0.0000 | 0.0000 | 81.612 | 0.20165 | 0.00000 | 602892.1 | 443642.7 | 0.0 | S |
| 138.400 | 0.0000 | 0.0000 | 81.612 | 0.20164 | 0.00000 | 602892.1 | 443648.8 | 0.0 | S |
| 138.408 | 0.0000 | 0.0000 | 81.612 | 0.20163 | 0.00000 | 602892.1 | 443654.8 | 0.0 | S |
| 138.417 | 0.0000 | 0.0000 | 81.612 | 0.20162 | 0.00000 | 602892.1 | 443660.9 | 0.0 | S |
| 138.425 | 0.0000 | 0.0000 | 81.612 | 0.20160 | 0.00000 | 602892.1 | 443666.9 | 0.0 | S |
| 138.433 | 0.0000 | 0.0000 | 81.611 | 0.20159 | 0.00000 | 602892.1 | 443673.0 | 0.0 | S |
| 138.442 | 0.0000 | 0.0000 | 81.611 | 0.20158 | 0.00000 | 602892.1 | 443679.0 | 0.0 | S |
| 138.450 | 0.0000 | 0.0000 | 81.611 | 0.20157 | 0.00000 | 602892.1 | 443685.1 | 0.0 | S |
| 138.458 | 0.0000 | 0.0000 | 81.611 | 0.20155 | 0.00000 | 602892.1 | 443691.1 | 0.0 | S |
| 138.467 | 0.0000 | 0.0000 | 81.611 | 0.20154 | 0.00000 | 602892.1 | 443697.2 | 0.0 | S |
| 138.475 | 0.0000 | 0.0000 | 81.611 | 0.20153 | 0.00000 | 602892.1 | 443703.2 | 0.0 | S |
| 138.483 | 0.0000 | 0.0000 | 81.611 | 0.20152 | 0.00000 | 602892.1 | 443709.3 | 0.0 | S |
| 138.492 | 0.0000 | 0.0000 | 81.611 | 0.20150 | 0.00000 | 602892.1 | 443715.3 | 0.0 | S |
| 138.500 | 0.0000 | 0.0000 | 81.611 | 0.20149 | 0.00000 | 602892.1 | 443721.3 | 0.0 | S |
| 138.508 | 0.0000 | 0.0000 | 81.611 | 0.20148 | 0.00000 | 602892.1 | 443727.4 | 0.0 | S |
| 138.517 | 0.0000 | 0.0000 | 81.610 | 0.20147 | 0.00000 | 602892.1 | 443733.4 | 0.0 | S |
| 138.525 | 0.0000 | 0.0000 | 81.610 | 0.20145 | 0.00000 | 602892.1 | 443739.5 | 0.0 | S |
| 138.533 | 0.0000 | 0.0000 | 81.610 | 0.20144 | 0.00000 | 602892.1 | 443745.5 | 0.0 | S |
| 138.542 | 0.0000 | 0.0000 | 81.610 | 0.20143 | 0.00000 | 602892.1 | 443751.6 | 0.0 | S |
| 138.550 | 0.0000 | 0.0000 | 81.610 | 0.20142 | 0.00000 | 602892.1 | 443757.6 | 0.0 | S |
| 138.558 | 0.0000 | 0.0000 | 81.610 | 0.20140 | 0.00000 | 602892.1 | 443763.7 | 0.0 | S |
| 138.567 | 0.0000 | 0.0000 | 81.610 | 0.20139 | 0.00000 | 602892.1 | 443769.7 | 0.0 | S |
| 138.575 | 0.0000 | 0.0000 | 81.610 | 0.20138 | 0.00000 | 602892.1 | 443775.7 | 0.0 | S |
| 138.583 | 0.0000 | 0.0000 | 81.610 | 0.20137 | 0.00000 | 602892.1 | 443781.8 | 0.0 | S |
| 138.592 | 0.0000 | 0.0000 | 81.609 | 0.20135 | 0.00000 | 602892.1 | 443787.8 | 0.0 | S |
| 138.600 | 0.0000 | 0.0000 | 81.609 | 0.20134 | 0.00000 | 602892.1 | 443793.8 | 0.0 | S |
| 138.608 | 0.0000 | 0.0000 | 81.609 | 0.20133 | 0.00000 | 602892.1 | 443799.9 | 0.0 | S |
| 138.617 | 0.0000 | 0.0000 | 81,609 | 0.20132 | 0.00000 | 602892.1 | 443805.9 | 0.0 | S |
| 138.625 | 0.0000 | 0.0000 | 81.609 | 0.20130 | 0.00000 | 602892.1 | 443812.0 | 0.0 | S |
| 138.633 | 0.0000 | 0.0000 | 81.609 | 0.20129 | 0.00000 | 602892.1 | 443818.0 | 0.0 | S |
| 138.642 | 0.0000 | 0.0000 | 81.609 | 0.20128 | 0.00000 | 602892.1 | 443824.0 | 0.0 | S |
| 138.650 | 0.0000 | 0.0000 | 81.609 | 0.20127 | 0.00000 | 602892.1 | 443830.1 | 0.0 | S |
| 138.658 | 0.0000 | 0.0000 | 81.609 | 0.20126 | 0.00000 | 602892.1 | 443836.1 | 0.0 | S |
| 138.667 | 0.0000 | 0.0000 | 81.608 | 0.20124 | 0.00000 | 602892.1 | 443842.2 | 0.0 | S |
| 138.675 | 0.0000 | 0.0000 | 81.608 | 0.20123 | 0.00000 | 602892.1 | 443848.2 | 0.0 | S |
| 138.683 | 0.0000 | 0.0000 | 81.608 | 0.20122 | 0.00000 | 602892.1 | 443854.2 | 0.0 | S |
| 138.692 | 0.0000 | 0.0000 | 81.608 | 0.20121 | 0.00000 | 602892.1 | 443860.3 | 0.0 | S |
| 138.700 | 0.0000 | 0.0000 | 81.608 | 0.20119 | 0.00000 | 602892.1 | 443866.3 | 0.0 | S |
| 138.708 | 0.0000 | 0.0000 | 81.608 | 0.20118 | 0.00000 | 602892.1 | 443872.3 | 0.0 | S |
| 138.717 | 0.0000 | 0.0000 | 81.608 | 0.20117 | 0.00000 | 602892.1 | 443878.4 | 0.0 | S |
| 138.725 | 0.0000 | 0.0000 | 81.608 | 0.20116 | 0.00000 | 602892.1 | 443884.4 | 0.0 | S |
| 138.733 | 0.0000 | 0.0000 | 81.608 | 0.20114 | 0.00000 | 602892.1 | 443890.4 | 0.0 | S |
| 138.742 | 0.0000 | 0.0000 | 81.607 | 0.20113 | 0.00000 | 602892.1 | 443896.5 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation ( ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / 5}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | $\begin{aligned} & \text { Flow } \\ & \text { Type } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 138.750 | 0.0000 | 0.0000 | 81.607 | 0.20112 | 0.00000 | 602892.1 | 443902.5 | 0.0 | S |
| 138.758 | 0.0000 | 0.0000 | 81.607 | 0.20111 | 0.00000 | 602892.1 | 443908.5 | 0.0 | S |
| 138.767 | 0.0000 | 0.0000 | 81.607 | 0.20109 | 0.00000 | 602892.1 | 443914.6 | 0.0 | S |
| 138.775 | 0.0000 | 0.0000 | 81.607 | 0.20108 | 0.00000 | 602892.1 | 443920.6 | 0.0 | S |
| 138.783 | 0.0000 | 0.0000 | 81.607 | 0.20107 | 0.00000 | 602892.1 | 443926.7 | 0.0 | S |
| 138.792 | 0.0000 | 0.0000 | 81.607 | 0.20106 | 0.00000 | 602892.1 | 443932.7 | 0.0 | S |
| 138.800 | 0.0000 | 0.0000 | 81.607 | 0.20104 | 0.00000 | 602892.1 | 443938.7 | 0.0 | S |
| 138.808 | 0.0000 | 0.0000 | 81,607 | 0.20103 | 0.00000 | 602892.1 | 443944.8 | 0.0 | S |
| 138.817 | 0.0000 | 0.0000 | 81.606 | 0.20102 | 0.00000 | 602892.1 | 443950.8 | 0.0 | S |
| 138.825 | 0.0000 | 0.0000 | 81.606 | 0.20101 | 0.00000 | 602892.1 | 443956.8 | 0.0 | S |
| 138.833 | 0.0000 | 0.0000 | 81.606 | 0.20100 | 0.00000 | 602892.1 | 443962.8 | 0.0 | S |
| 138.842 | 0.0000 | 0.0000 | 81.606 | 0.20098 | 0.00000 | 602892.1 | 443968.8 | 0.0 | S |
| 138.850 | 0.0000 | 0.0000 | 81.606 | 0.20097 | 0.00000 | 602892.1 | 443974.9 | 0.0 | S |
| 138.858 | 0.0000 | 0.0000 | 81.606 | 0.20096 | 0.00000 | 602892.1 | 443980.9 | 0.0 | S |
| 138.867 | 0.0000 | 0.0000 | 81.606 | 0.20095 | 0.00000 | 602892.1 | 443986.9 | 0.0 | S |
| 138.875 | 0.0000 | 0.0000 | 81.606 | 0.20093 | 0.00000 | 602892.1 | 443993.0 | 0.0 | S |
| 138.883 | 0.0000 | 0.0000 | 81.606 | 0.20092 | 0.00000 | 602892.1 | 443999.0 | 0.0 | S |
| 138.892 | 0.0000 | 0.0000 | 81.605 | 0.20091 | 0.00000 | 602892.1 | 444005.0 | 0.0 | S |
| 138.900 | 0.0000 | 0.0000 | 81.605 | 0.20090 | 0.00000 | 602892.1 | 444011.1 | 0.0 | S |
| 138.908 | 0.0000 | 0.0000 | 81.605 | 0.20088 | 0.00000 | 602892.1 | 444017.1 | 0.0 | S |
| 138.917 | 0.0000 | 0.0000 | 81.605 | 0.20087 | 0.00000 | 602892.1 | 444023.1 | 0.0 | S |
| 138.925 | 0.0000 | 0.0000 | 81.605 | 0.20086 | 0.00000 | 602892.1 | 444029.1 | 0.0 | S |
| 138.933 | 0.0000 | 0.0000 | 81.605 | 0.20085 | 0.00000 | 602892.1 | 444035.2 | 0.0 | S |
| 138.942 | 0.0000 | 0.0000 | 81.605 | 0.20083 | 0.00000 | 602892.1 | 444041.2 | 0.0 | S |
| 138.950 | 0.0000 | 0.0000 | 81.605 | 0.20082 | 0.00000 | 602892.1 | 444047.2 | 0.0 | S |
| 138.958 | 0.0000 | 0.0000 | 81.605 | 0.20081 | 0.00000 | 602892.1 | 444053.3 | 0.0 | S |
| 138.967 | 0.0000 | 0.0000 | 81.604 | 0.20080 | 0.00000 | 602892.1 | 444059.3 | 0.0 | S |
| 138.975 | 0.0000 | 0.0000 | 81.604 | 0.20079 | 0.00000 | 602892.1 | 444065.3 | 0.0 | S |
| 138.983 | 0.0000 | 0.0000 | 81.604 | 0.20077 | 0.00000 | 602892.1 | 444071.3 | 0.0 | S |
| 138.992 | 0.0000 | 0.0000 | 81.604 | 0.20076 | 0.00000 | 602892.1 | 444077.3 | 0.0 | S |
| 139.000 | 0.0000 | 0.0000 | 81.604 | 0.20075 | 0.00000 | 602892.1 | 444083.3 | 0.0 | S |
| 139.008 | 0.0000 | 0.0000 | 81.604 | 0.20074 | 0.00000 | 602892.1 | 444089.4 | 0.0 | S |
| 139.017 | 0.0000 | 0.0000 | 81.604 | 0.20072 | 0.00000 | 602892.1 | 444095.4 | 0.0 | S |
| 139.025 | 0.0000 | 0.0000 | 81.604 | 0.20071 | 0.00000 | 602892.1 | 444101.4 | 0.0 | S |
| 139.033 | 0.0000 | 0.0000 | 81.604 | 0.20070 | 0.00000 | 602892.1 | 444107.4 | 0.0 | S |
| 139.042 | 0.0000 | 0.0000 | 81.603 | 0.20069 | 0.00000 | 602892.1 | 444113.5 | 0.0 | S |
| 139.050 | 0.0000 | 0.0000 | 81.603 | 0.20067 | 0.00000 | 602892.1 | 444119.5 | 0.0 | S |
| 139.058 | 0.0000 | 0.0000 | 81.603 | 0.20066 | 0.00000 | 602892.1 | 444125.5 | 0.0 | S |
| 139.067 | 0.0000 | 0.0000 | 81,603 | 0.20065 | 0.00000 | 602892.1 | 444131.5 | 0.0 | S |
| 139.075 | 0.0000 | 0.0000 | 81.603 | 0.20064 | 0.00000 | 602892.1 | 444137.5 | 0.0 | S |
| 139.083 | 0.0000 | 0.0000 | 81.603 | 0.20063 | 0.00000 | 602892.1 | 444143.6 | 0.0 | S |
| 139.092 | 0.0000 | 0.0000 | 81.603 | 0.20061 | 0.00000 | 602892.1 | 444149.6 | 0.0 | S |
| 139.100 | 0.0000 | 0.0000 | 81.603 | 0.20060 | 0.00000 | 602892.1 | 444155.6 | 0.0 | S |
| 139.108 | 0.0000 | 0.0000 | 81.603 | 0.20059 | 0.00000 | 602892.1 | 444161.6 | 0.0 | S |
| 139.117 | 0.0000 | 0.0000 | 81.602 | 0.20058 | 0.00000 | 602892.1 | 444167.6 | 0.0 | S |
| 139.125 | 0.0000 | 0.0000 | 81.602 | 0.20056 | 0.00000 | 602892.1 | 444173.7 | 0.0 | S |
| 139.133 | 0.0000 | 0.0000 | 81.602 | 0.20055 | 0.00000 | 602892.1 | 444179.7 | 0.0 | S |
| 139.142 | 0.0000 | 0.0000 | 81.602 | 0.20054 | 0.00000 | 602892.1 | 444185.7 | 0.0 | S |
| 139.150 | 0.0000 | 0.0000 | 81.602 | 0.20053 | 0.00000 | 602892.1 | 444191.7 | 0.0 | S |
| 139.158 | 0.0000 | 0.0000 | 81.602 | 0.20051 | 0.00000 | 602892.1 | 444197.7 | 0.0 | S |
| 139.167 | 0.0000 | 0.0000 | 81.602 | 0.20050 | 0.00000 | 602892.1 | 444203.7 | 0.0 | S |
| 139.175 | 0.0000 | 0.0000 | 81.602 | 0.20049 | 0.00000 | 602892.1 | 444209.8 | 0.0 | S |
| 139.183 | 0.0000 | 0.0000 | 81.602 | 0.20048 | 0.00000 | 602892.1 | 444215.8 | 0.0 | S |
| 139.192 | 0.0000 | 0.0000 | 81.602 | 0.20047 | 0.00000 | 602892.1 | 444221.8 | 0.0 | S |
| 139.200 | 0.0000 | 0.0000 | 81.601 | 0.20045 | 0.00000 | 602892.1 | 444227.8 | 0.0 | S |
| 139.208 | 0.0000 | 0.0000 | 81.601 | 0.20044 | 0.00000 | 602892.1 | 444233.8 | 0.0 | S |
| 139.217 | 0.0000 | 0.0000 | 81.601 | 0.20043 | 0.00000 | 602892.1 | 444239.8 | 0.0 | S |
| 139.225 | 0.0000 | 0.0000 | 81.601 | 0.20042 | 0.00000 | 602892.1 | 444245.8 | 0.0 | S |
| 139.233 | 0.0000 | 0.0000 | 81.601 | 0.20040 | 0.00000 | 602892.1 | 444251.8 | 0.0 | S |
| 139.242 | 0.0000 | 0.0000 | 81.601 | 0.20039 | 0.00000 | 602892.1 | 444257.8 | 0.0 | S |
| 139.250 | 0.0000 | 0.0000 | 81.601 | 0.20038 | 0.00000 | 602892.1 | 444263.9 | 0.0 | S |
| 139.258 | 0.0000 | 0.0000 | 81.601 | 0.20037 | 0.00000 | 602892.1 | 444269.9 | 0.0 | S |
| 139.267 | 0.0000 | 0.0000 | 81.601 | 0.20035 | 0.00000 | 602892.1 | 444275.9 | 0.0 | S |
| 139.275 | 0.0000 | 0.0000 | 81.600 | 0.20034 | 0.00000 | 602892.1 | 444281.9 | 0.0 | S |
| 139.283 | 0.0000 | 0.0000 | 81.600 | 0.20033 | 0.00000 | 602892.1 | 444287.9 | 0.0 | S |
| 139.292 | 0.0000 | 0.0000 | 81.600 | 0.20032 | 0.00000 | 602892.1 | 444293.9 | 0.0 | S |
| 139.300 | 0.0000 | 0.0000 | 81.600 | 0.20031 | 0.00000 | 602892.1 | 444299.9 | 0.0 | S |
| 139.308 | 0.0000 | 0.0000 | 81.600 | 0.20029 | 0.00000 | 602892.1 | 444305.9 | 0.0 | S |
| 139.317 | 0.0000 | 0.0000 | 81.600 | 0.20028 | 0.00000 | 602892.1 | 444311.9 | 0.0 | S |
| 139.325 | 0.0000 | 0.0000 | 81.600 | 0.20027 | 0.00000 | 602892.1 | 444317.9 | 0.0 | S |
| 139.333 | 0.0000 | 0.0000 | 81.600 | 0.20026 | 0.00000 | 602892.1 | 444324.0 | 0.0 | S |
| 139.342 | 0.0000 | 0.0000 | 81.600 | 0.20024 | 0.00000 | 602892.1 | 444330.0 | 0.0 | S |
| 139.350 | 0.0000 | 0.0000 | 81.599 | 0.20023 | 0.00000 | 602892.1 | 444336.0 | 0.0 | S |
| 139.358 | 0.0000 | 0.0000 | 81.599 | 0.20022 | 0.00000 | 602892.1 | 444342.0 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year $/ 24$ hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 139.367 | 0.0000 | 0.0000 | 81.599 | 0.20021 | 0.00000 | 602892.1 | 444348.0 | 0.0 | S |
| 139.375 | 0.0000 | 0.0000 | 81.599 | 0.20019 | 0.00000 | 602892.1 | 444354.0 | 0.0 | S |
| 139.383 | 0.0000 | 0.0000 | 81.599 | 0.20018 | 0.00000 | 602892.1 | 444360.0 | 0.0 | S |
| 139.392 | 0.0000 | 0.0000 | 81.599 | 0.20017 | 0.00000 | 602892.1 | 444366.0 | 0.0 | S |
| 139.400 | 0.0000 | 0.0000 | 81.599 | 0.20016 | 0.00000 | 602892.1 | 444372.0 | 0.0 | S |
| 139.408 | 0.0000 | 0.0000 | 81.599 | 0.20015 | 0.00000 | 602892.1 | 444378.0 | 0.0 | S |
| 139.417 | 0.0000 | 0.0000 | 81.599 | 0.20013 | 0.00000 | 602892.1 | 444384.0 | 0.0 | S |
| 139.425 | 0.0000 | 0.0000 | 81.598 | 0.20012 | 0.00000 | 602892.1 | 444390.0 | 0.0 | S |
| 139.433 | 0.0000 | 0.0000 | 81.598 | 0.20011 | 0.00000 | 602892.1 | 444396.0 | 0.0 | S |
| 139.442 | 0.0000 | 0.0000 | 81.598 | 0.20010 | 0.00000 | 602892.1 | 444402.0 | 0.0 | S |
| 139.450 | 0.0000 | 0.0000 | 81.598 | 0.20008 | 0.00000 | 602892.1 | 444408.0 | 0.0 | S |
| 139.458 | 0.0000 | 0.0000 | 81.598 | 0.20007 | 0.00000 | 602892.1 | 444414.0 | 0.0 | S |
| 139.467 | 0.0000 | 0.0000 | 81.598 | 0.20006 | 0.00000 | 602892.1 | 444420.0 | 0.0 | S |
| 139.475 | 0.0000 | 0.0000 | 81.598 | 0.20005 | 0.00000 | 602892.1 | 444426.0 | 0.0 | S |
| 139.483 | 0.0000 | 0.0000 | 81.598 | 0.20004 | 0.00000 | 602892.1 | 444432.0 | 0.0 | S |
| 139.492 | 0.0000 | 0.0000 | 81.598 | 0.20002 | 0.00000 | 602892.1 | 444438.0 | 0.0 | S |
| 139.500 | 0.0000 | 0.0000 | 81.597 | 0.20001 | 0.00000 | 602892.1 | 444444.0 | 0.0 | S |
| 139.508 | 0.0000 | 0.0000 | 81.597 | 0.20000 | 0.00000 | 602892.1 | 444450.0 | 0.0 | S |
| 139.517 | 0.0000 | 0.0000 | 81.597 | 0.19999 | 0.00000 | 602892.1 | 444456.0 | 0.0 | S |
| 139.525 | 0.0000 | 0.0000 | 81.597 | 0.19997 | 0.00000 | 602892.1 | 444462.0 | 0.0 | S |
| 139.533 | 0.0000 | 0.0000 | 81.597 | 0.19996 | 0.00000 | 602892.1 | 444468.0 | 0.0 | S |
| 139.542 | 0.0000 | 0.0000 | 81.597 | 0.19995 | 0.00000 | 602892.1 | 444474.0 | 0.0 | S |
| 139.550 | 0.0000 | 0.0000 | 81.597 | 0.19994 | 0.00000 | 602892.1 | 444480.0 | 0.0 | S |
| 139.558 | 0.0000 | 0.0000 | 81.597 | 0.19993 | 0.00000 | 602892.1 | 444486.0 | 0.0 | S |
| 139.567 | 0.0000 | 0.0000 | 81.597 | 0.19991 | 0.00000 | 602892.1 | 444492.0 | 0.0 | S |
| 139.575 | 0.0000 | 0.0000 | 81.596 | 0.19990 | 0.00000 | 602892.1 | 444498.0 | 0.0 | S |
| 139.583 | 0.0000 | 0.0000 | 81.596 | 0.19989 | 0.00000 | 602892.1 | 444504.0 | 0.0 | S |
| 139.592 | 0.0000 | 0.0000 | 81.596 | 0.19988 | 0.00000 | 602892.1 | 444510.0 | 0.0 | S |
| 139.600 | 0.0000 | 0.0000 | 81.596 | 0.19986 | 0.00000 | 602892.1 | 444516.0 | 0.0 | S |
| 139.608 | 0.0000 | 0.0000 | 81.596 | 0.19985 | 0.00000 | 602892.1 | 444522.0 | 0.0 | S |
| 139.617 | 0.0000 | 0.0000 | 81.596 | 0.19984 | 0.00000 | 602892.1 | 444528.0 | 0.0 | S |
| 139.625 | 0.0000 | 0.0000 | 81.596 | 0.19983 | 0.00000 | 602892.1 | 444534.0 | 0.0 | S |
| 139.633 | 0.0000 | 0.0000 | 81.596 | 0.19982 | 0.00000 | 602892.1 | 444540.0 | 0.0 | S |
| 139.642 | 0.0000 | 0.0000 | 81.596 | 0.19980 | 0.00000 | 602892.1 | 444546.0 | 0.0 | S |
| 139.650 | 0.0000 | 0.0000 | 81.596 | 0.19978 | 0.00000 | 602892.1 | 444552.0 | 0.0 | S |
| 139.658 | 0.0000 | 0.0000 | 81.595 | 0.19978 | 0.00000 | 602892.1 | 444558.0 | 0.0 | S |
| 139.667 | 0.0000 | 0.0000 | 81.595 | 0.19977 | 0.00000 | 602892.1 | 444564.0 | 0.0 | S |
| 139.675 | 0.0000 | 0.0000 | 81.595 | 0.19975 | 0.00000 | 602892.1 | 444570.0 | 0.0 | S |
| 139.683 | 0.0000 | 0.0000 | 81.595 | 0.19974 | 0.00000 | 602892.1 | 444576.0 | 0.0 | S |
| 139.692 | 0.0000 | 0.0000 | 81.595 | 0.19973 | 0.00000 | 602892.1 | 444581.9 | 0.0 | S |
| 139.700 | 0.0000 | 0.0000 | 81.595 | 0.19972 | 0.00000 | 602892.1 | 444587.9 | 0.0 | S |
| 139.708 | 0.0000 | 0.0000 | 81.595 | 0.19971 | 0.00000 | 602892.1 | 444593.9 | 0.0 | S |
| 139.717 | 0.0000 | 0.0000 | 81.595 | 0.19969 | 0.00000 | 602892.1 | 444599.9 | 0.0 | S |
| 139.725 | 0.0000 | 0.0000 | 81.595 | 0.19968 | 0.00000 | 602892.1 | 444605.9 | 0.0 | S |
| 139.733 | 0.0000 | 0.0000 | 81.594 | 0.19967 | 0.00000 | 602892.1 | 444611.9 | 0.0 | S |
| 139.742 | 0.0000 | 0.0000 | 81.594 | 0.19966 | 0.00000 | 602892.1 | 444617.9 | 0.0 | S |
| 139.750 | 0.0000 | 0.0000 | 81.594 | 0.19964 | 0.00000 | 602892.1 | 444623.9 | 0.0 | S |
| 139.758 | 0.0000 | 0.0000 | 81.594 | 0.19963 | 0.00000 | 602892.1 | 444629.9 | 0.0 | S |
| 139.767 | 0.0000 | 0.0000 | 81.594 | 0.19962 | 0.00000 | 602892.1 | 444635.8 | 0.0 | S |
| 139.775 | 0.0000 | 0.0000 | 81.594 | 0.19961 | 0.00000 | 602892.1 | 444641.8 | 0.0 | S |
| 139.783 | 0.0000 | 0.0000 | 81.594 | 0.19960 | 0.00000 | 602892.1 | 444647.8 | 0.0 | S |
| 139.792 | 0.0000 | 0.0000 | 81.594 | 0.19958 | 0.00000 | 602892.1 | 444653.8 | 0.0 | S |
| 139.800 | 0.0000 | 0.0000 | 81.594 | 0.19957 | 0.00000 | 602892.1 | 444659.8 | 0.0 | S |
| 139.808 | 0.0000 | 0.0000 | 81.593 | 0.19956 | 0.00000 | 602892.1 | 444665.8 | 0.0 | S |
| 139.817 | 0.0000 | 0.0000 | 81.593 | 0.19955 | 0.00000 | 602892.1 | 444671.8 | 0.0 | S |
| 139.825 | 0.0000 | 0.0000 | 81.593 | 0.19953 | 0.00000 | 602892.1 | 444677.8 | 0.0 | S |
| 139.833 | 0.0000 | 0.0000 | 81.593 | 0.19952 | 0.00000 | 602892.1 | 444683.8 | 0.0 | S |
| 139.842 | 0.0000 | 0.0000 | 81.593 | 0.19951 | 0.00000 | 602892.1 | 444689.8 | 0.0 | S |
| 139.850 | 0.0000 | 0.0000 | 81.593 | 0.19950 | 0.00000 | 602892.1 | 444695.7 | 0.0 | S |
| 139.858 | 0.0000 | 0.0000 | 81.593 | 0.19949 | 0.00000 | 602892.1 | 444701.7 | 0.0 | S |
| 139.867 | 0.0000 | 0.0000 | 81.593 | 0.19947 | 0.00000 | 602892.1 | 444707.7 | 0.0 | S |
| 139.875 | 0.0000 | 0.0000 | 81.593 | 0.19946 | 0.00000 | 602892.1 | 444713.7 | 0.0 | S |
| 139.883 | 0.0000 | 0.0000 | 81.592 | 0.19945 | 0.00000 | 602892.1 | 444719.7 | 0.0 | S |
| 139.892 | 0.0000 | 0.0000 | 81.592 | 0.19944 | 0.00000 | 602892.1 | 444725.7 | 0.0 | S |
| 139.900 | 0.0000 | 0.0000 | 81.592 | 0.19942 | 0.00000 | 602892.1 | 444731.6 | 0.0 | S |
| 139.908 | 0.0000 | 0.0000 | 81.592 | 0.19941 | 0.00000 | 602892.1 | 444737.6 | 0.0 | S |
| 139.917 | 0.0000 | 0.0000 | 81.592 | 0.19940 | 0.00000 | 602892.1 | 444743.6 | 0.0 | S |
| 139.925 | 0.0000 | 0.0000 | 81.592 | 0.19939 | 0.00000 | 602892.1 | 444749.6 | 0.0 | S |
| 139.933 | 0.0000 | 0.0000 | 81.592 | 0.19938 | 0.00000 | 602892.1 | 444755.6 | 0.0 | S |
| 139.942 | 0.0000 | 0.0000 | 81.592 | 0.19936 | 0.00000 | 602892.1 | 444761.5 | 0.0 | S |
| 139.950 | 0.0000 | 0.0000 | 81.592 | 0.19935 | 0.00000 | 602892.1 | 444767.5 | 0.0 | S |
| 139.958 | 0.0000 | 0.0000 | 81.591 | 0.19934 | 0.00000 | 602892.1 | 444773.5 | 0.0 | S |
| 139.967 | 0.0000 | 0.0000 | 81.591 | 0.19933 | 0.00000 | 602892.1 | 444779.5 | 0.0 | S |
| 139.975 | 0.0000 | 0.0000 | 81.591 | 0.19931 | 0.00000 | 602892.1 | 444785.5 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate (f13/s) | Outside Recharge (flday) | Stage Elevation (fl datum) | Infiltration Rate (fils ${ }^{1 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{Fl}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{7}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 139.983 | 0.0000 | 0.0000 | 81.591 | 0.19930 | 0.00000 | 602892.1 | 444791.4 | 0.0 | S |
| 139.992 | 0.0000 | 0.0000 | 81.591 | 0.19929 | 0.00000 | 602892.1 | 444797.4 | 0.0 | S |
| 140.000 | 0.0000 | 0.0000 | 81.591 | 0.19928 | 0.00000 | 602892.1 | 444803.4 | 0.0 | S |
| 140.008 | 0.0000 | 0.0000 | 81.591 | 0.19927 | 0.00000 | 602892.1 | 444809.4 | 0.0 | S |
| 140.017 | 0.0000 | 0.0000 | 81.591 | 0.19925 | 0.00000 | 602892.1 | 444815.3 | 0.0 | S |
| 140.025 | 0.0000 | 0.0000 | 81.591 | 0.19924 | 0.00000 | 602892.1 | 444821.3 | 0.0 | S |
| 140.033 | 0.0000 | 0.0000 | 81.590 | 0.19923 | 0.00000 | 602892.1 | 444827.3 | 0.0 | S |
| 140.042 | 0.0000 | 0.0000 | 81.590 | 0.19922 | 0.00000 | 602892.1 | 444833.3 | 0.0 | S |
| 140.050 | 0.0000 | 0.0000 | 81.590 | 0.19921 | 0.00000 | 602892.1 | 444839.3 | 0.0 | S |
| 140.058 | 0.0000 | 0.0000 | 81.590 | 0.19919 | 0.00000 | 602892.1 | 444845.2 | 0.0 | S |
| 140.067 | 0.0000 | 0.0000 | 81.590 | 0.19918 | 0.00000 | 602892.1 | 444851.2 | 0.0 | S |
| 140.075 | 0.0000 | 0.0000 | 81.590 | 0.19917 | 0.00000 | 602892.1 | 444857.2 | 0.0 | S |
| 140.083 | 0.0000 | 0.0000 | 81.590 | 0.19916 | 0.00000 | 602892.1 | 444863.2 | 0.0 | S |
| 140.092 | 0.0000 | 0.0000 | 81.590 | 0.19914 | 0.00000 | 602892.1 | 444869.1 | 0.0 | S |
| 140.100 | 0.0000 | 0.0000 | 81.590 | 0.19913 | 0.00000 | 602892.1 | 444875.1 | 0.0 | S |
| 140.108 | 0.0000 | 0.0000 | 81.590 | 0.19912 | 0.00000 | 602892.1 | 444881.1 | 0.0 | S |
| 140.117 | 0.0000 | 0.0000 | 81.589 | 0.19911 | 0.00000 | 602892.1 | 444887.1 | 0.0 | S |
| 140.125 | 0.0000 | 0.0000 | 81.589 | 0.19910 | 0.00000 | 602892.1 | 444893.0 | 0.0 | S |
| 140.133 | 0.0000 | 0.0000 | 81.589 | 0.19908 | 0.00000 | 602892.1 | 444899.0 | 0.0 | S |
| 140.142 | 0.0000 | 0.0000 | 81.589 | 0.19907 | 0.00000 | 602892.1 | 444905.0 | 0.0 | S |
| 140.150 | 0.0000 | 0.0000 | 81.589 | 0.19906 | 0.00000 | 602892.1 | 444910.9 | 0.0 | S |
| 140.158 | 0.0000 | 0.0000 | 81.589 | 0.19905 | 0.00000 | 602892.1 | 444916.9 | 0.0 | S |
| 140.167 | 0.0000 | 0.0000 | 81.589 | 0.19904 | 0.00000 | 602892.1 | 444922.9 | 0.0 | S |
| 140.175 | 0.0000 | 0.0000 | 81.589 | 0.19902 | 0.00000 | 602892.1 | 444928.8 | 0.0 | S |
| 140.183 | 0.0000 | 0.0000 | 81.589 | 0.19901 | 0.00000 | 602892.1 | 444934.8 | 0.0 | S |
| 140.192 | 0.0000 | 0.0000 | 81.588 | 0.19900 | 0.00000 | 602892.1 | 444940.8 | 0.0 | S |
| 140.200 | 0.0000 | 0.0000 | 81.588 | 0.19899 | 0.00000 | 602892.4 | 444946.8 | 0.0 | S |
| 140.208 | 0.0000 | 0.0000 | 81.588 | 0.19897 | 0.00000 | 602892.1 | 444952.8 | 0.0 | S |
| 140.217 | 0.0000 | 0.0000 | 81.588 | 0.19896 | 0.00000 | 602892.1 | 444958.7 | 0.0 | S |
| 140.225 | 0.0000 | 0.0000 | 81.588 | 0.19895 | 0.00000 | 602892.1 | 444964.7 | 0.0 | S |
| 140.233 | 0.0000 | 0.0000 | 81.588 | 0.19894 | 0.00000 | 602892.1 | 444970.7 | 0.0 | S |
| 140.242 | 0.0000 | 0.0000 | 81.588 | 0.19893 | 0.00000 | 602892.1 | 444976.6 | 0.0 | S |
| 140.250 | 0.0000 | 0.0000 | 81.588 | 0.19891 | 0.00000 | 602892.1 | 444982.6 | 0.0 | S |
| 140.258 | 0.0000 | 0.0000 | 81.588 | 0.19890 | 0.00000 | 602892.1 | 444988.6 | 0.0 | S |
| 140.267 | 0.0000 | 0.0000 | 81.587 | 0.19889 | 0.00000 | 602892.1 | 444994.5 | 0.0 | S |
| 140.275 | 0.0000 | 0.0000 | 81.587 | 0.19888 | 0.00000 | 602892.1 | 445000.5 | 0.0 | S |
| 140.283 | 0.0000 | 0.0000 | 81.587 | 0.19887 | 0.00000 | 602892.1 | 445006.4 | 0.0 | S |
| 140.292 | 0.0000 | 0.0000 | 81.587 | 0.19885 | 0.00000 | 602892.1 | 445012.4 | 0.0 | S |
| 140.300 | 0.0000 | 0.0000 | 81.587 | 0.19884 | 0.00000 | 602892.1 | 445018.4 | 0.0 | S |
| 140.308 | 0.0000 | 0.0000 | 81.587 | 0.19883 | 0.00000 | 602892.1 | 445024.3 | 0.0 | S |
| 140.317 | 0.0000 | 0.0000 | 81.587 | 0.19882 | 0.00000 | 602892.1 | 445030.3 | 0.0 | S |
| 140.325 | 0.0000 | 0.0000 | 81.587 | 0.19880 | 0.00000 | 602892.1 | 445036.3 | 0.0 | S |
| 140.333 | 0.0000 | 0.0000 | 81.587 | 0.19879 | 0.00000 | 602892.1 | 445042.3 | 0.0 | S |
| 140.342 | 0.0000 | 0.0000 | 81.586 | 0.19878 | 0.00000 | 602892.1 | 445048.2 | 0.0 | S |
| 140.350 | 0.0000 | 0.0000 | 81.586 | 0.19877 | 0.00000 | 602892.1 | 445054.2 | 0.0 | S |
| 140.358 | 0.0000 | 0.0000 | 81.586 | 0.19876 | 0.00000 | 602892.1 | 445060.1 | 0.0 | S |
| 140.367 | 0.0000 | 0.0000 | 81.586 | 0.19874 | 0.00000 | 602892.1 | 445066.1 | 0.0 | S |
| 140.375 | 0.0000 | 0.0000 | 81.586 | 0.19873 | 0.00000 | 602892.1 | 445072.1 | 0.0 | S |
| 140.383 | 0.0000 | 0.0000 | 81.586 | 0.19872 | 0.00000 | 602892.1 | 445078.0 | 0.0 | S |
| 140.392 | 0.0000 | 0.0000 | 81.586 | 0.19871 | 0.00000 | 602892.1 | 445084.0 | 0.0 | S |
| 140.400 | 0.0000 | 0.0000 | 81.586 | 0.19870 | 0.00000 | 602892.1 | 445089.9 | 0.0 | S |
| 140.408 | 0.0000 | 0.0000 | 81.586 | 0.19868 | 0.00000 | 602892.1 | 445095.9 | 0.0 | S |
| 140.417 | 0.0000 | 0.0000 | 81.585 | 0.19867 | 0.00000 | 602892.1 | 445101.8 | 0.0 | S |
| 140.425 | 0.0000 | 0.0000 | 81.585 | 0.19866 | 0.00000 | 602892.1 | 445107.8 | 0.0 | S |
| 140.433 | 0.0000 | 0.0000 | 81.585 | 0.19865 | 0.00000 | 602892.1 | 445113.8 | 0.0 | S |
| 140.442 | 0.0000 | 0.0000 | 81.585 | 0.19864 | 0.00000 | 602892.1 | 445119.8 | 0.0 | S |
| 140.450 | 0.0000 | 0.0000 | 81.585 | 0.19862 | 0.00000 | 602892.1 | 445125.7 | 0.0 | S |
| 140.458 | 0.0000 | 0.0000 | 81.585 | 0.19861 | 0.00000 | 602892.1 | 445131.7 | 0.0 | S |
| 140.467 | 0.0000 | 0.0000 | 81.585 | 0.19860 | 0.00000 | 602892.1 | 445137.6 | 0.0 | S |
| 140.475 | 0.0000 | 0.0000 | 81.585 | 0.19859 | 0.00000 | 602892.1 | 445143.6 | 0.0 | S |
| 140.483 | 0.0000 | 0.0000 | 81.585 | 0.19857 | 0.00000 | 602892.1 | 445149.5 | 0.0 | S |
| 140.492 | 0.0000 | 0.0000 | 81.585 | 0.19856 | 0.00000 | 602892.1 | 445155.5 | 0.0 | S |
| 140.500 | 0.0000 | 0.0000 | 81.584 | 0.19855 | 0.00000 | 602892.1 | 445161.4 | 0.0 | S |
| 140.508 | 0.0000 | 0.0000 | 81.584 | 0.19854 | 0.00000 | 602892.1 | 445167.4 | 0.0 | S |
| 140.517 | 0.0000 | 0.0000 | 81.584 | 0.19853 | 0.00000 | 602892.1 | 445173.3 | 0.0 | S |
| 140.525 | 0.0000 | 0.0000 | 81.584 | 0.19851 | 0.00000 | 602892.1 | 445179.3 | 0.0 | S |
| 140.533 | 0.0000 | 0.0000 | 81.584 | 0.19850 | 0.00000 | 602892.1 | 445185.3 | 0.0 | S |
| 140.542 | 0.0000 | 0.0000 | 81.584 | 0.19849 | 0.00000 | 602892.1 | 445191.2 | 0.0 | S |
| 140.550 | 0.0000 | 0.0000 | 81.584 | 0.19848 | 0.00000 | 602892.1 | 445197.2 | 0.0 | S |
| 140.558 | 0.0000 | 0.0000 | 81.584 | 0.19847 | 0.00000 | 602892.1 | 445203.1 | 0.0 | S |
| 140.567 | 0.0000 | 0.0000 | 81.584 | 0.19845 | 0.00000 | 602892.1 | 445209.1 | 0.0 | S |
| 140.575 | 0.0000 | 0.0000 | 81.583 | 0.19844 | 0.00000 | 602892.1 | 445215.0 | 0.0 | S |
| 140.583 | 0.0000 | 0.0000 | 81.583 | 0.19843 | 0.00000 | 602892.1 | 445221.0 | 0.0 | S |
| 140.592 | 0.0000 | 0.0000 | 81.583 | 0.19842 | 0.00000 | 602892.1 | 445226.9 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{H}^{3 / \mathrm{s}} \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overfiow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 140.600 | 0.0000 | 0.0000 | 81.583 | 0.19841 | 0.00000 | 602892.1 | 445232.9 | 0.0 | S |
| 140.608 | 0.0000 | 0.0000 | 81.583 | 0.19839 | 0.00000 | 602892.1 | 445238.8 | 0.0 | S |
| 140.617 | 0.0000 | 0.0000 | 81.583 | 0.19838 | 0.00000 | 602892.1 | 445244.8 | 0.0 | S |
| 140.625 | 0.0000 | 0.0000 | 81.583 | 0.19837 | 0.00000 | 602892.1 | 445250.8 | 0.0 | S |
| 140.633 | 0.0000 | 0.0000 | 81.583 | 0.19836 | 0.00000 | 602892.1 | 445256.7 | 0.0 | S |
| 140.642 | 0.0000 | 0.0000 | 81.583 | 0.19835 | 0.00000 | 602892.1 | 445262.7 | 0.0 | S |
| 140.650 | 0.0000 | 0.0000 | 81.582 | 0.19833 | 0.00000 | 602892.1 | 445268.6 | 0.0 | S |
| 140.658 | 0.0000 | 0.0000 | 81.582 | 0.19832 | 0.00000 | 602892.1 | 445274.6 | 0.0 | S |
| 140.667 | 0.0000 | 0.0000 | 81.582 | 0.19831 | 0.00000 | 602892.1 | 445280.5 | 0.0 | S |
| 140.675 | 0.0000 | 0.0000 | 81.582 | 0.19830 | 0.00000 | 602892.1 | 445286.4 | 0.0 | S |
| 140.683 | 0.0000 | 0.0000 | 81.582 | 0.19829 | 0.00000 | 602892.1 | 445292.4 | 0.0 | S |
| 140.692 | 0.0000 | 0.0000 | 81.582 | 0.19827 | 0.00000 | 602892.1 | 445298.3 | 0.0 | S |
| 140.700 | 0.0000 | 0.0000 | 81.582 | 0.19826 | 0.00000 | 602892.1 | 445304.3 | 0.0 | S |
| 140.708 | 0.0000 | 0.0000 | 81.582 | 0.19825 | 0.00000 | 602892.1 | 445310.3 | 0.0 | S |
| 140.717 | 0.0000 | 0.0000 | 81.582 | 0.19824 | 0.00000 | 602892.1 | 445316.2 | 0.0 | S |
| 140.725 | 0.0000 | 0.0000 | 81.581 | 0.19822 | 0.00000 | 602892.1 | 445322.1 | 0.0 | S |
| 140.733 | 0.0000 | 0.0000 | 81.581 | 0.19821 | 0.00000 | 602892.1 | 445328.1 | 0.0 | S |
| 140.742 | 0.0000 | 0.0000 | 81.581 | 0.19820 | 0.00000 | 602892.1 | 445334.0 | 0.0 | S |
| 140.750 | 0.0000 | 0.0000 | 81.581 | 0.19819 | 0.00000 | 602892.1 | 445340.0 | 0.0 | S |
| 140.758 | 0.0000 | 0.0000 | 81.581 | 0.19818 | 0.00000 | 602892.1 | 445345.9 | 0.0 | S |
| 140.767 | 0.0000 | 0.0000 | 81.581 | 0.19816 | 0.00000 | 602892.1 | 445351.9 | 0.0 | S |
| 140.775 | 0.0000 | 0.0000 | 81.581 | 0.19815 | 0.00000 | 602892.1 | 445357.8 | 0.0 | S |
| 140.783 | 0.0000 | 0.0000 | 81.581 | 0.19814 | 0.00000 | 602892.1 | 445363.8 | 0.0 | S |
| 140.792 | 0.0000 | 0.0000 | 81.581 | 0.19813 | 0.00000 | 602892.1 | 445369.7 | 0.0 | S |
| 140.800 | 0.0000 | 0.0000 | 81.580 | 0.19812 | 0.00000 | 602892.7 | 445375.6 | 0.0 | S |
| 140.808 | 0.0000 | 0.0000 | 81.580 | 0.19810 | 0.00000 | 602892.1 | 445381.6 | 0.0 | S |
| 140.817 | 0.0000 | 0.0000 | 81.580 | 0.19809 | 0.00000 | 602892.1 | 445387.5 | 0.0 | S |
| 140.825 | 0.0000 | 0.0000 | 81.580 | 0.19808 | 0.00000 | 602892.1 | 445393.5 | 0.0 | S |
| 140.833 | 0.0000 | 0.0000 | 81.580 | 0.19807 | 0.00000 | 602892.1 | 445399.4 | 0.0 | S |
| 140.842 | 0.0000 | 0.0000 | 81.580 | 0.19806 | 0.00000 | 602892.1 | 445405.3 | 0.0 | S |
| 140.850 | 0.0000 | 0.0000 | 81.580 | 0.19804 | 0.00000 | 602892.1 | 445411.3 | 0.0 | S |
| 140.858 | 0.0000 | 0.0000 | 81.580 | 0.19803 | 0.00000 | 602892.1 | 445417.3 | 0.0 | S |
| 140.867 | 0.0000 | 0.0000 | 81.580 | 0.19802 | 0.00000 | 602892.1 | 445423.2 | 0.0 | S |
| 140.875 | 0.0000 | 0.0000 | 81.580 | 0.19801 | 0.00000 | 602892.1 | 445429.1 | 0.0 | S |
| 140.883 | 0.0000 | 0.0000 | 81.579 | 0.19800 | 0.00000 | 602892.1 | 445435.1 | 0.0 | S |
| 140.892 | 0.0000 | 0.0000 | 81.579 | 0.19798 | 0.00000 | 602892.1 | 445441.0 | 0.0 | S |
| 140.900 | 0.0000 | 0.0000 | 81.579 | 0.19797 | 0.00000 | 602892.1 | 445446.9 | 0.0 | S |
| 140.908 | 0.0000 | 0.0000 | 81.579 | 0.19796 | 0.00000 | 602892.1 | 445452.9 | 0.0 | S |
| 140.917 | 0.0000 | 0.0000 | 81.579 | 0.19795 | 0.00000 | 602892.1 | 445458.8 | 0.0 | S |
| 140.925 | 0.0000 | 0.0000 | 81.579 | 0.19794 | 0.00000 | 602892.1 | 445464.8 | 0.0 | S |
| 140.933 | 0.0000 | 0.0000 | 81.579 | 0.19792 | 0.00000 | 602892.1 | 445470.7 | 0.0 | S |
| 140.942 | 0.0000 | 0.0000 | 81.579 | 0.19791 | 0.00000 | 602892.1 | 445476.6 | 0.0 | S |
| 140.950 | 0.0000 | 0.0000 | 81.579 | 0.19790 | 0.00000 | 602892.1 | 445482.6 | 0.0 | S |
| 140.958 | 0.0000 | 0.0000 | 81.578 | 0.19789 | 0.00000 | 602892.1 | 445488.5 | 0.0 | S |
| 140.967 | 0.0000 | 0.0000 | 81.578 | 0.19788 | 0.00000 | 602892.1 | 445494.4 | 0.0 | S |
| 140.975 | 0.0000 | 0.0000 | 81.578 | 0.19786 | 0.00000 | 602892.1 | 445500.4 | 0.0 | S |
| 140.983 | 0.0000 | 0.0000 | 81.578 | 0.19785 | 0.00000 | 602892.1 | 445506.3 | 0.0 | S |
| 140.992 | 0.0000 | 0.0000 | 81.578 | 0.19784 | 0.00000 | 602892.1 | 445512.3 | 0.0 | S |
| 141.000 | 0.0000 | 0.0000 | 81.578 | 0.19783 | 0.00000 | 602892.1 | 445518.2 | 0.0 | S |
| 141.008 | 0.0000 | 0.0000 | 81.578 | 0.19782 | 0.00000 | 602892.1 | 445524.1 | 0.0 | S |
| 141.017 | 0.0000 | 0.0000 | 81.578 | 0.19780 | 0.00000 | 602892.1 | 445530.1 | 0.0 | S |
| 141.025 | 0.0000 | 0.0000 | 81.578 | 0.19779 | 0.00000 | 602892.1 | 445536.0 | 0.0 | S |
| 141.033 | 0.0000 | 0.0000 | 81.577 | 0.19778 | 0.00000 | 602892.1 | 445541.9 | 0.0 | S |
| 141.042 | 0.0000 | 0.0000 | 81.577 | 0.19777 | 0.00000 | 602892.1 | 445547.8 | 0.0 | S |
| 141.050 | 0.0000 | 0.0000 | 81.577 | 0.19776 | 0.00000 | 602892.1 | 445553.8 | 0.0 | S |
| 141.058 | 0.0000 | 0.0000 | 81.577 | 0.19774 | 0.00000 | 602892.1 | 445559.7 | 0.0 | S |
| 141.067 | 0.0000 | 0.0000 | 81.577 | 0.19773 | 0.00000 | 602892.1 | 445565.7 | 0.0 | S |
| 141.075 | 0.0000 | 0.0000 | 81.577 | 0.19772 | 0.00000 | 602892.1 | 445571.6 | 0.0 | S |
| 141.083 | 0.0000 | 0.0000 | 81.577 | 0.19771 | 0.00000 | 602892.1 | 445577.5 | 0.0 | S |
| 141.092 | 0.0000 | 0.0000 | 81.577 | 0.19770 | 0.00000 | 602892.1 | 445583.4 | 0.0 | S |
| 141.100 | 0.0000 | 0.0000 | 81.577 | 0.19768 | 0.00000 | 602892.1 | 445589.4 | 0.0 | S |
| 141.108 | 0.0000 | 0.0000 | 81.576 | 0.19767 | 0.00000 | 602892.1 | 445595.3 | 0.0 | S |
| 141.117 | 0.0000 | 0.0000 | 81.576 | 0.19766 | 0.00000 | 602892.1 | 445601.2 | 0.0 | S |
| 141.125 | 0.0000 | 0.0000 | 81.576 | 0.19765 | 0.00000 | 602892.1 | 445607.2 | 0.0 | S |
| 141.133 | 0.0000 | 0.0000 | 81.576 | 0.19764 | 0.00000 | 602892.1 | 445613.1 | 0.0 | S |
| 141.142 | 0.0000 | 0.0000 | 81.576 | 0.19762 | 0.00000 | 602892.1 | 445619.0 | 0.0 | S |
| 141.150 | 0.0000 | 0.0000 | 81.576 | 0.19761 | 0.00000 | 602892.1 | 445624.9 | 0.0 | S |
| 141.158 | 0.0000 | 0.0000 | 81.576 | 0.19760 | 0.00000 | 602892.1 | 445630.9 | 0.0 | S |
| 141.167 | 0.0000 | 0.0000 | 81.576 | 0.19759 | 0.00000 | 602892.1 | 445636.8 | 0.0 | S |
| 141.175 | 0.0000 | 0.0000 | 81.576 | 0.19758 | 0.00000 | 602892.1 | 445642.7 | 0.0 | S |
| 141.183 | 0.0000 | 0.0000 | 81.576 | 0.19756 | 0.00000 | 602892.1 | 445648.7 | 0.0 | S |
| 141.192 | 0.0000 | 0.0000 | 81.575 | 0.19755 | 0.00000 | 602892.1 | 445654.6 | 0.0 | S |
| 141.200 | 0.0000 | 0.0000 | 81.575 | 0.19754 | 0.00000 | 602892.1 | 445660.5 | 0.0 | S |
| 141.208 | 0.0000 | 0.0000 | 81.575 | 0.19753 | 0.00000 | 602892.1 | 445666.4 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{3 / \mathrm{s}}$ ) | Outside Recharge (t/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{t}^{3 / 3}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 141.217 | 0.0000 | 0.0000 | 81.575 | 0.19752 | 0.00000 | 602892.1 | 445672.4 | 0.0 | S |
| 141.225 | 0.0000 | 0.0000 | 81.575 | 0.19750 | 0.00000 | 602892.1 | 445678.3 | 0.0 | S |
| 141.233 | 0.0000 | 0.0000 | 81.575 | 0.19749 | 0.00000 | 602892.1 | 445684.2 | 0.0 | S |
| 141.242 | 0.0000 | 0.0000 | 81.575 | 0.19748 | 0.00000 | 602892.1 | 445690.1 | 0.0 | S |
| 141.250 | 0.0000 | 0.0000 | 81.575 | 0.19747 | 0.00000 | 602892.1 | 445696.1 | 0.0 | S |
| 141.258 | 0.0000 | 0.0000 | 81.575 | 0.19746 | 0.00000 | 602892.1 | 445702.0 | 0.0 | S |
| 141.267 | 0.0000 | 0.0000 | 81.574 | 0.19744 | 0.00000 | 602892.1 | 445707.9 | 0.0 | S |
| 141.275 | 0.0000 | 0.0000 | 81.574 | 0.19743 | 0.00000 | 602892.1 | 445713.8 | 0.0 | S |
| 141.283 | 0.0000 | 0.0000 | 81.574 | 0.19742 | 0.00000 | 602892.1 | 445719.8 | 0.0 | S |
| 141.292 | 0.0000 | 0.0000 | 81.574 | 0.19741 | 0.00000 | 602892.1 | 445725.7 | 0.0 | S |
| 141.300 | 0.0000 | 0.0000 | 81.574 | 0.19740 | 0.00000 | 602892.1 | 445731.6 | 0.0 | S |
| 141.308 | 0.0000 | 0.0000 | 81.574 | 0.19738 | 0.00000 | 602892.1 | 445737.5 | 0.0 | S |
| 141.317 | 0.0000 | 0.0000 | 81.574 | 0.19737 | 0.00000 | 602892.1 | 445743.4 | 0.0 | S |
| 141.325 | 0.0000 | 0.0000 | 81.574 | 0.19736 | 0.00000 | 602892.1 | 445749.4 | 0.0 | S |
| 141.333 | 0.0000 | 0.0000 | 81.574 | 0.19735 | 0.00000 | 602892.1 | 445755.3 | 0.0 | S |
| 141.342 | 0.0000 | 0.0000 | 81.573 | 0.19734 | 0.00000 | 602892.1 | 445761.2 | 0.0 | S |
| 141.350 | 0.0000 | 0.0000 | 81.573 | 0.19732 | 0.00000 | 602892.1 | 445767.1 | 0.0 | S |
| 141.358 | 0.0000 | 0.0000 | 81.573 | 0.19731 | 0.00000 | 602892.1 | 445773.0 | 0.0 | S |
| 141.367 | 0.0000 | 0.0000 | 81.573 | 0.19730 | 0.00000 | 602892.1 | 445779.0 | 0.0 | S |
| 141.375 | 0.0000 | 0.0000 | 81.573 | 0.19729 | 0.00000 | 602892.1 | 445784.9 | 0.0 | S |
| 141.383 | 0.0000 | 0.0000 | 81.573 | 0.19728 | 0.00000 | 602892.1 | 445790.8 | 0.0 | S |
| 141.392 | 0.0000 | 0.0000 | 81.573 | 0.19727 | 0.00000 | 602892.1 | 445796.7 | 0.0 | S |
| 141.400 | 0.0000 | 0.0000 | 81.573 | 0.19725 | 0.00000 | 602892.1 | 445802.6 | 0.0 | S |
| 141.408 | 0.0000 | 0.0000 | 81.573 | 0.19724 | 0.00000 | 602892.1 | 445808.6 | 0.0 | S |
| 141.417 | 0.0000 | 0.0000 | 81.572 | 0.19723 | 0.00000 | 602892.1 | 445814.5 | 0.0 | S |
| 141.425 | 0.0000 | 0.0000 | 81.572 | 0.19722 | 0.00000 | 602892.1 | 445820.4 | 0.0 | S |
| 141.433 | 0.0000 | 0.0000 | 81.572 | 0.19721 | 0.00000 | 602892.1 | 445826.3 | 0.0 | S |
| 141.442 | 0.0000 | 0.0000 | 81.572 | 0.19719 | 0.00000 | 602892.1 | 445832.2 | 0.0 | S |
| 141.450 | 0.0000 | 0.0000 | 81.572 | 0.19718 | 0.00000 | 602892.1 | 445838.1 | 0.0 | S |
| 141.458 | 0.0000 | 0.0000 | 81.572 | 0.19717 | 0.00000 | 602892.1 | 445844.1 | 0.0 | S |
| 141.467 | 0.0000 | 0.0000 | 81.572 | 0.19716 | 0.00000 | 602892.1 | 445850.0 | 0.0 | S |
| 141.475 | 0.0000 | 0.0000 | 81.572 | 0.19715 | 0.00000 | 602892.1 | 445855.9 | 0.0 | S |
| 141.483 | 0.0000 | 0.0000 | 81.572 | 0.19713 | 0.00000 | 602892.1 | 445861.8 | 0.0 | S |
| 141.492 | 0.0000 | 0.0000 | 81.572 | 0.19712 | 0.00000 | 602892.1 | 445867.7 | 0.0 | S |
| 141.500 | 0.0000 | 0.0000 | 81.571 | 0.19711 | 0.00000 | 602892.1 | 445873.6 | 0.0 | S |
| 141.508 | 0.0000 | 0.0000 | 81.571 | 0.19710 | 0.00000 | 602892.1 | 445879.5 | 0.0 | S |
| 141.517 | 0.0000 | 0.0000 | 81.571 | 0.19709 | 0.00000 | 602882.1 | 445885.4 | 0.0 | S |
| 141.525 | 0.0000 | 0.0000 | 81.571 | 0.19707 | 0.00000 | 602892.1 | 445891.4 | 0.0 | S |
| 141.533 | 0.0000 | 0.0000 | 81.571 | 0.19706 | 0.00000 | 602892.1 | 445897.3 | 0.0 | S |
| 141.542 | 0.0000 | 0.0000 | 81.571 | 0.19705 | 0.00000 | 602892.1 | 445903.2 | 0.0 | S |
| 141.550 | 0.0000 | 0.0000 | 81.571 | 0.19704 | 0.00000 | 602892.1 | 445909.1 | 0.0 | S |
| 141.558 | 0.0000 | 0.0000 | 81.571 | 0.19703 | 0.00000 | 602892.1 | 445915.0 | 0.0 | S |
| 141.567 | 0.0000 | 0.0000 | 81.571 | 0.19701 | 0.00000 | 602892.1 | 445920.9 | 0.0 | S |
| 141.575 | 0.0000 | 0.0000 | 81.570 | 0.19700 | 0.00000 | 602892.1 | 445926.8 | 0.0 | S |
| 141.583 | 0.0000 | 0.0000 | 81.570 | 0.19699 | 0.00000 | 602892.1 | 445932.8 | 0.0 | S |
| 141.592 | 0.0000 | 0.0000 | 81.570 | 0.19698 | 0.00000 | 602892.1 | 445938.7 | 0.0 | S |
| 141.600 | 0.0000 | 0.0000 | 81.570 | 0.19697 | 0.00000 | 602892.1 | 445944.6 | 0.0 | S |
| 141.608 | 0.0000 | 0.0000 | 81.570 | 0.19696 | 0.00000 | 602892.1 | 445950.5 | 0.0 | S |
| 141.617 | 0.0000 | 0.0000 | 81.570 | 0.19694 | 0.00000 | 602892.1 | 445956.4 | 0.0 | S |
| 141.625 | 0.0000 | 0.0000 | 81.570 | 0.19693 | 0.00000 | 602892.1 | 445962.3 | 0.0 | S |
| 141.633 | 0.0000 | 0.0000 | 81.570 | 0.19692 | 0.00000 | 602892.1 | 445968.2 | 0.0 | S |
| 141.642 | 0.0000 | 0.0000 | 81.570 | 0.19691 | 0.00000 | 602892.1 | 445974.1 | 0.0 | S |
| 141.650 | 0.0000 | 0.0000 | 81.568 | 0.19690 | 0.00000 | 602892.1 | 445980.0 | 0.0 | S |
| 141.658 | 0.0000 | 0.0000 | 81.569 | 0.19688 | 0.00000 | 602892.1 | 445985.9 | 0.0 | S |
| 141.667 | 0.0000 | 0.0000 | 81.569 | 0.19687 | 0.00000 | 602892.1 | 445991.8 | 0.0 | S |
| 141.675 | 0.0000 | 0.0000 | 81.569 | 0.19686 | 0.00000 | 602892.1 | 445997.7 | 0.0 | S |
| 141.683 | 0.0000 | 0.0000 | 81.569 | 0.19685 | 0.00000 | 602892.1 | 446003.6 | 0.0 | S |
| 141.692 | 0.0000 | 0.0000 | 81.569 | 0.19684 | 0.00000 | 602892.1 | 446009.5 | 0.0 | S |
| 141.700 | 0.0000 | 0.0000 | 81.569 | 0.19682 | 0.00000 | 602892.1 | 446015.4 | 0.0 | S |
| 141.708 | 0.0000 | 0.0000 | 81.569 | 0.19681 | 0.00000 | 602892.1 | 446021.3 | 0.0 | S |
| 141.717 | 0.0000 | 0.0000 | 81.569 | 0.19680 | 0.00000 | 602892.1 | 446027.3 | 0.0 | S |
| 141.725 | 0.0000 | 0.0000 | 81.569 | 0.19679 | 0.00000 | 602892.1 | 446033.2 | 0.0 | S |
| 141.733 | 0.0000 | 0.0000 | 81.568 | 0.19678 | 0.00000 | 602892.1 | 446039.1 | 0.0 | S |
| 141.742 | 0.0000 | 0.0000 | 81.568 | 0.19676 | 0.00000 | 602892.1 | 446045.0 | 0.0 | S |
| 141.750 | 0.0000 | 0.0000 | 81.568 | 0.19675 | 0.00000 | 602892.1 | 446050.9 | 0.0 | S |
| 141.758 | 0.0000 | 0.0000 | 81.568 | 0.19674 | 0.00000 | 602892.1 | 446056.8 | 0.0 | S |
| 141.767 | 0.0000 | 0.0000 | 81.568 | 0.19673 | 0.00000 | 602892.1 | 446062.7 | 0.0 | S |
| 141.775 | 0.0000 | 0.0000 | 81.568 | 0.19672 | 0.00000 | 602892.1 | 446068.6 | 0.0 | S |
| 141.783 | 0.0000 | 0.0000 | 81.568 | 0.19671 | 0.00000 | 602892.1 | 446074.5 | 0.0 | S |
| 141.792 | 0.0000 | 0.0000 | 81.568 | 0.19669 | 0.00000 | 602892.1 | 446080.4 | 0.0 | S |
| 141.800 | 0.0000 | 0.0000 | 81.568 | 0.19668 | 0.00000 | 602892.1 | 446086.3 | 0.0 | S |
| 141.808 | 0.0000 | 0.0000 | 81.567 | 0.19667 | 0.00000 | 602892.1 | 446092.2 | 0.0 | S |
| 141.817 | 0.0000 | 0.0000 | 81.567 | 0.19666 | 0.00000 | 602892.1 | 446098.1 | 0.0 | S |
| 141.825 | 0.0000 | 0.0000 | 81.567 | 0.19665 | 0.00000 | 602892.1 | 446104.0 | 0.0 | S |

PONDS Version 3.2.0207

# Retention Pond Recovery - Refined Method Copyright 2003 

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{\top} / \mathrm{s}$ ) | Outside Recharge (f1/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{ff}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume $\left(\mathrm{ft}^{3}\right)$ | Fiow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 141.833 | 0.0000 | 0.0000 | 81.567 | 0.19663 | 0.00000 | 602892.1 | 446109.9 | 0.0 | S |
| 141.842 | 0.0000 | 0.0000 | 81.567 | 0.19662 | 0.00000 | 602892.1 | 446115.8 | 0.0 | S |
| 141.850 | 0.0000 | 0.0000 | 81.567 | 0.19661 | 0.00000 | 602892.1 | 446121.7 | 0.0 | S |
| 141.858 | 0.0000 | 0.0000 | 81.567 | 0.19660 | 0.00000 | 602892.1 | 446127.6 | 0.0 | S |
| 141.867 | 0.0000 | 0.0000 | 81.567 | 0.19659 | 0.00000 | 602892.1 | 446133.5 | 0.0 | S |
| 141.875 | 0.0000 | 0.0000 | 81.567 | 0.19657 | 0.00000 | 602892.1 | 446139.4 | 0.0 | S |
| 141.883 | 0.0000 | 0.0000 | 81.566 | 0.19656 | 0.00000 | 602892.1 | 446145.3 | 0.0 | S |
| 141.892 | 0.0000 | 0.0000 | 81.566 | 0.19655 | 0.00000 | 602892.1 | 446151.2 | 0.0 | S |
| 141.900 | 0.0000 | 0.0000 | 81.566 | 0.19654 | 0.00000 | 602892.1 | 446157.1 | 0.0 | S |
| 141.908 | 0.0000 | 0.0000 | 81.566 | 0.19653 | 0.00000 | 602892.1 | 446162.9 | 0.0 | S |
| 141,917 | 0.0000 | 0.0000 | 81.566 | 0.19652 | 0.00000 | 602892.1 | 446168.8 | 0.0 | S |
| 141.925 | 0.0000 | 0.0000 | 81.566 | 0.19650 | 0.00000 | 602892.1 | 446174.8 | 0.0 | S |
| 141.933 | 0.0000 | 0.0000 | 81.566 | 0.19649 | 0.00000 | 602892.1 | 446180.6 | 0.0 | S |
| 141.942 | 0.0000 | 0.0000 | 81.566 | 0.19648 | 0.00000 | 602892.1 | 446186.5 | 0.0 | S |
| 141.950 | 0.0000 | 0.0000 | 81.566 | 0.19647 | 0.00000 | 602892.1 | 446192.4 | 0.0 | 5 |
| 141.958 | 0.0000 | 0.0000 | 81.565 | 0.19646 | 0.00000 | 602892.1 | 446198.3 | 0.0 | S |
| 141.967 | 0.0000 | 0.0000 | 81.565 | 0.19644 | 0.00000 | 602892.1 | 446204.2 | 0.0 | 5 |
| 141.975 | 0.0000 | 0.0000 | 81.565 | 0.19643 | 0.00000 | 602892.1 | 446210.1 | 0.0 | S |
| 141.983 | 0.0000 | 0.0000 | 81.565 | 0.19642 | 0.00000 | 602892.1 | 446216.0 | 0.0 | S |
| 141.992 | 0.0000 | 0.0000 | 81.565 | 0.19641 | 0.00000 | 602892.1 | 446221.9 | 0.0 | S |
| 142.000 | 0.0000 | 0.0000 | 81.565 | 0.19640 | 0.00000 | 602892.1 | 446227.8 | 0.0 | 5 |
| 142.008 | 0.0000 | 0.0000 | 81.565 | 0.19638 | 0.00000 | 602892.1 | 446233.7 | 0.0 | S |
| 142.017 | 0.0000 | 0.0000 | 81.565 | 0.19637 | 0.00000 | 602892.1 | 446239.6 | 0.0 | S |
| 142.025 | 0.0000 | 0.0000 | 81.565 | 0.19636 | 0.00000 | 602892.1 | 446245.4 | 0.0 | S |
| 142.033 | 0.0000 | 0.0000 | 81.565 | 0.19635 | 0.00000 | 602892.1 | 446251.3 | 0.0 | S |
| 142.042 | 0.0000 | 0.0000 | 81.564 | 0.19634 | 0.00000 | 602892.1 | 446257.2 | 0.0 | S |
| 142.050 | 0.0000 | 0.0000 | 81.564 | 0.19633 | 0.00000 | 602892.1 | 446263.1 | 0.0 | S |
| 142.058 | 0.0000 | 0.0000 | 81.564 | 0.19631 | 0.00000 | 602892.1 | 446269.0 | 0.0 | S |
| 142.067 | 0.0000 | 0.0000 | 81.564 | 0.19630 | 0.00000 | 602892.1 | 446274.9 | 0.0 | S |
| 142.075 | 0.0000 | 0.0000 | 81.564 | 0.19629 | 0.00000 | 602892.1 | 446280.8 | 0.0 | S |
| 142.083 | 0.0000 | 0.0000 | 81.564 | 0.19628 | 0.00000 | 602892.1 | 446286.7 | 0.0 | S |
| 142.092 | 0.0000 | 0.0000 | 81.564 | 0.19627 | 0.00000 | 602892.1 | 446292.6 | 0.0 | S |
| 142.100 | 0.0000 | 0.0000 | 81.564 | 0.19625 | 0.00000 | 602892.1 | 446298.5 | 0.0 | S |
| 142.108 | 0.0000 | 0.0000 | 81.564 | 0.19624 | 0.00000 | 602892.1 | 446304.3 | 0.0 | S |
| 142.117 | 0.0000 | 0.0000 | 81.563 | 0.19623 | 0.00000 | 602892.1 | 446310.2 | 0.0 | S |
| 142.125 | 0.0000 | 0.0000 | 81.563 | 0.19622 | 0.00000 | 602892.1 | 446316.1 | 0.0 | S |
| 142.133 | 0.0000 | 0.0000 | 81.563 | 0.19621 | 0.00000 | 602892.1 | 446322.0 | 0.0 | S |
| 142.142 | 0.0000 | 0.0000 | 81.563 | 0.19620 | 0.00000 | 602892.1 | 446327.9 | 0.0 | S |
| 142.150 | 0.0000 | 0.0000 | 81.563 | 0.19618 | 0.00000 | 602892.1 | 446333.8 | 0.0 | 5 |
| 142.158 | 0.0000 | 0.0000 | 81.563 | 0.19617 | 0.00000 | 602892.1 | 446339.7 | 0.0 | S |
| 142.167 | 0.0000 | 0.0000 | 81.563 | 0.19616 | 0.00000 | 602892.1 | 446345.5 | 0.0 | S |
| 142.175 | 0.0000 | 0.0000 | 81.563 | 0.19615 | 0.00000 | 602892.1 | 446351.4 | 0.0 | S |
| 142.783 | 0.0000 | 0.0000 | 81.563 | 0.19614 | 0.00000 | 602892.1 | 446357.3 | 0.0 | S |
| 142.192 | 0.0000 | 0.0000 | 81.562 | 0.19612 | 0.00000 | 602892.1 | 446363.2 | 0.0 | S |
| 142.200 | 0.0000 | 0.0000 | 81.562 | 0.19611 | 0.00000 | 602892.1 | 446369.1 | 0.0 | S |
| 142.208 | 0.0000 | 0.0000 | 81.562 | 0.19610 | 0.00000 | 602892.1 | 446375.0 | 0.0 | S |
| 142.217 | 0.0000 | 0.0000 | 81.562 | 0.19609 | 0.00000 | 602892.1 | 446380.8 | 0.0 | S |
| 142.225 | 0.0000 | 0.0000 | 81.562 | 0.19608 | 0.00000 | 602892.1 | 446386.7 | 0.0 | S |
| 142.233 | 0.0000 | 0.0000 | 81.562 | 0.19607 | 0.00000 | 602892.1 | 446392.6 | 0.0 | S |
| 142.242 | 0.0000 | 0.0000 | 81.562 | 0.19605 | 0.00000 | 602892.1 | 446398.5 | 0.0 | S |
| 142.250 | 0.0000 | 0.0000 | 81.562 | 0.19604 | 0.00000 | 602892.1 | 446404.4 | 0.0 | S |
| 142.258 | 0.0000 | 0.0000 | 81.562 | 0.19603 | 0.00000 | 602892.1 | 446410.3 | 0.0 | S |
| 142.267 | 0.0000 | 0.0000 | 81.562 | 0.19602 | 0.00000 | 602892.1 | 446416.1 | 0.0 | S |
| 142.275 | 0.0000 | 0.0000 | 81.561 | 0.19601 | 0.00000 | 602892.1 | 446422.0 | 0.0 | S |
| 142.283 | 0.0000 | 0.0000 | 81.561 | 0.19599 | 0.00000 | 602892.1 | 446427.9 | 0.0 | S |
| 142.292 | 0.0000 | 0.0000 | 81.561 | 0.19598 | 0.00000 | 602892.1 | 446433.8 | 0.0 | S |
| 142.300 | 0.0000 | 0.0000 | 81.561 | 0.19597 | 0.00000 | 602892.1 | 446439.7 | 0.0 | S |
| 142.308 | 0.0000 | 0.0000 | 81.561 | 0.19596 | 0.00000 | 602892.1 | 446445.5 | 0.0 | S |
| 142.317 | 0.0000 | 0.0000 | 81.561 | 0.19595 | 0.00000 | 602892.1 | 446451.4 | 0.0 | S |
| 142.325 | 0.0000 | 0.0000 | 81.561 | 0.19594 | 0.00000 | 602892.1 | 446457.3 | 0.0 | 5 |
| 142.333 | 0.0000 | 0.0000 | 81.561 | 0.19592 | 0.00000 | 602892.1 | 446463.2 | 0.0 | S |
| 142.342 | 0.0000 | 0.0000 | 81.561 | 0.19591 | 0.00000 | 602892.1 | 446469.1 | 0.0 | S |
| 142.350 | 0.0000 | 0.0000 | 81.560 | 0.19590 | 0.00000 | 602892.1 | 446474.9 | 0.0 | S |
| 142.358 | 0.0000 | 0.0000 | 81.560 | 0.19589 | 0.00000 | 602892.1 | 446480.8 | 0.0 | S |
| 142.367 | 0.0000 | 0.0000 | 81.560 | 0.19588 | 0.00000 | 602892.1 | 446486.7 | 0.0 | S |
| 142.375 | 0.0000 | 0.0000 | 81.560 | 0.19587 | 0.00000 | 602892.1 | 446492.6 | 0.0 | S |
| 142.383 | 0.0000 | 0.0000 | 81.560 | 0.19585 | 0.00000 | 602892.1 | 446498.4 | 0.0 | S |
| 142.392 | 0.0000 | 0.0000 | 81.560 | 0.19584 | 0.00000 | 602892.1 | 446504.3 | 0.0 | S |
| 142.400 | 0.0000 | 0.0000 | 81.560 | 0.19583 | 0.00000 | 602892.1 | 446510.2 | 0.0 | S |
| 142.408 | 0.0000 | 0.0000 | 81.560 | 0.19582 | 0.00000 | 602892.1 | 446516.1 | 0.0 | S |
| 142.417 | 0.0000 | 0.0000 | 81.560 | 0.19581 | 0.00000 | 602892.1 | 446521.9 | 0.0 | S |
| 142.425 | 0.0000 | 0.0000 | 81.559 | 0.19579 | 0.00000 | 602892.1 | 446527.8 | 0.0 | S |
| 142.433 | 0.0000 | 0.0000 | 81.559 | 0.19578 | 0.00000 | 602892.1 | 446533.7 | 0.0 | 5 |
| 142.442 | 0.0000 | 0.0000 | 81.559 | 0.19577 | 0.00000 | 602892.1 | 446539.6 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{3 /}$ s) | Outside Recharge (flday) | Stage Elevation (fl datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 142.450 | 0.0000 | 0.0000 | 81.559 | 0.19576 | 0.00000 | 602892.1 | 446545.4 | 0.0 | S |
| 142.458 | 0.0000 | 0.0000 | 81.559 | 0.19575 | 0.00000 | 602892.1 | 446551.3 | 0.0 | S |
| 142.467 | 0.0000 | 0.0000 | 81.559 | 0.19574 | 0.00000 | 602892.1 | 446557.2 | 0.0 | S |
| 142.475 | 0.0000 | 0.0000 | 81.559 | 0.19572 | 0.00000 | 602892.1 | 446563.0 | 0.0 | S |
| 142.483 | 0.0000 | 0.0000 | 81.559 | 0.19571 | 0.00000 | 602892.1 | 446568.9 | 0.0 | S |
| 142.492 | 0.0000 | 0.0000 | 81.559 | 0.19570 | 0.00000 | 602892.1 | 446574.8 | 0.0 | S |
| 142.500 | 0.0000 | 0.0000 | 81.558 | 0.19569 | 0.00000 | 602892.1 | 446580.7 | 0.0 | S |
| 142.508 | 0.0000 | 0.0000 | 81.558 | 0.19568 | 0.00000 | 602892.1 | 446586.5 | 0.0 | S |
| 142.517 | 0.0000 | 0.0000 | 81.558 | 0.19566 | 0.00000 | 602892.1 | 446592.4 | 0.0 | S |
| 142.525 | 0.0000 | 0.0000 | 81.558 | 0.19565 | 0.00000 | 602892.1 | 446598.3 | 0.0 | S |
| 142.533 | 0.0000 | 0.0000 | 81.558 | 0.19564 | 0.00000 | 602892.1 | 446604.1 | 0.0 | S |
| 142.542 | 0.0000 | 0.0000 | 81.558 | 0.19563 | 0.00000 | 602892.1 | 446610.0 | 0.0 | S |
| 142.550 | 0.0000 | 0.0000 | 81.558 | 0.19562 | 0.00000 | 602892.1 | 446615.9 | 0.0 | S |
| 142.558 | 0.0000 | 0.0000 | 81.558 | 0.19561 | 0.00000 | 602892.1 | 446621.8 | 0.0 | S |
| 142.567 | 0.0000 | 0.0000 | 81.558 | 0.19559 | 0.00000 | 602892.1 | 446627.6 | 0.0 | S |
| 142.575 | 0.0000 | 0.0000 | 81.558 | 0.19558 | 0.00000 | 602892.1 | 446633.5 | 0.0 | S |
| 142.583 | 0.0000 | 0.0000 | 81.557 | 0.19557 | 0.00000 | 602892.1 | 446639.3 | 0.0 | S |
| 142.592 | 0.0000 | 0.0000 | 81.557 | 0.19556 | 0.00000 | 602892.1 | 446645.2 | 0.0 | S |
| 142.600 | 0.0000 | 0.0000 | 81.557 | 0.19555 | 0.00000 | 602892.1 | 446651.1 | 0.0 | S |
| 142.608 | 0.0000 | 0.0000 | 81.557 | 0.19554 | 0.00000 | 602892.1 | 446656.9 | 0.0 | S |
| 142.617 | 0.0000 | 0.0000 | 81.557 | 0.19552 | 0.00000 | 602892.1 | 446662.8 | 0.0 | S |
| 142.625 | 0.0000 | 0.0000 | 81.557 | 0.19551 | 0.00000 | 602892.1 | 446668.7 | 0.0 | S |
| 142.633 | 0.0000 | 0.0000 | 81.557 | 0.19550 | 0.00000 | 602892.1 | 446674.5 | 0.0 | S |
| 142.642 | 0.0000 | 0.0000 | 81.557 | 0.19549 | 0.00000 | 602892.1 | 446680.4 | 0.0 | S |
| 142.650 | 0.0000 | 0.0000 | 81.557 | 0.19548 | 0.00000 | 602892.1 | 446686.3 | 0.0 | S |
| 142.658 | 0.0000 | 0.0000 | 81.556 | 0.19546 | 0.00000 | 602892.1 | 446692.1 | 0.0 | S |
| 142.667 | 0.0000 | 0.0000 | 81.556 | 0.19545 | 0.00000 | 602892.1 | 446698.0 | 0.0 | S |
| 142.675 | 0.0000 | 0.0000 | 81.556 | 0.19544 | 0.00000 | 602892.1 | 446703.9 | 0.0 | S |
| 142.683 | 0.0000 | 0.0000 | 81.556 | 0.19543 | 0.00000 | 602892.1 | 446709.7 | 0.0 | S |
| 142.692 | 0.0000 | 0.0000 | 81.556 | 0.19542 | 0.00000 | 602892.1 | 446715.6 | 0.0 | S |
| 142.700 | 0.0000 | 0.0000 | 81.556 | 0.19541 | 0.00000 | 602892.1 | 446721.4 | 0.0 | S |
| 142.708 | 0.0000 | 0.0000 | 81.556 | 0.19539 | 0.00000 | 602892.1 | 446727.3 | 0.0 | S |
| 142.717 | 0.0000 | 0.0000 | 81.556 | 0.19538 | 0.00000 | 602892.1 | 446733.2 | 0.0 | S |
| 142.725 | 0.0000 | 0.0000 | 81.556 | 0.19537 | 0.00000 | 602892.1 | 446739.0 | 0.0 | S |
| 142.733 | 0.0000 | 0.0000 | 81.555 | 0.19536 | 0.00000 | 602892.1 | 446744.9 | 0.0 | S |
| 142.742 | 0.0000 | 0.0000 | 81.555 | 0.19535 | 0.00000 | 602892.1 | 446750.8 | 0.0 | S |
| 142.750 | 0.0000 | 0.0000 | 81.555 | 0.19534 | 0.00000 | 602892.1 | 446756.6 | 0.0 | S |
| 142.758 | 0.0000 | 0.0000 | 81.555 | 0.19532 | 0.00000 | 602892.1 | 446762.5 | 0.0 | S |
| 142.767 | 0.0000 | 0.0000 | 81.555 | 0.19531 | 0.00000 | 602892.1 | 446768.3 | 0.0 | S |
| 142.775 | 0.0000 | 0.0000 | 81.555 | 0.19530 | 0.00000 | 602892.1 | 446774.2 | 0.0 | S |
| 142.783 | 0.0000 | 0.0000 | 81.555 | 0.19529 | 0.00000 | 602892.1 | 446780.1 | 0.0 | S |
| 142.792 | 0.0000 | 0.0000 | 81.555 | 0.19528 | 0.00000 | 602892.1 | 446785.9 | 0.0 | S |
| 142.800 | 0.0000 | 0.0000 | 81.555 | 0.19527 | 0.00000 | 602892.1 | 446791.8 | 0.0 | S |
| 142.808 | 0.0000 | 0.0000 | 81.555 | 0.19525 | 0.00000 | 602892.1 | 446797.6 | 0.0 | S |
| 142.817 | 0.0000 | 0.0000 | 81.554 | 0.19524 | 0.00000 | 602892.1 | 446803.5 | 0.0 | S |
| 142.825 | 0.0000 | 0.0000 | 81.554 | 0.19523 | 0.00000 | 602892.1 | 446809.3 | 0.0 | S |
| 142.833 | 0.0000 | 0.0000 | 81.554 | 0.19522 | 0.00000 | 602892.1 | 446815.2 | 0.0 | S |
| 142.842 | 0.0000 | 0.0000 | 81.554 | 0.19521 | 0.00000 | 602892.1 | 446821.1 | 0.0 | S |
| 142.850 | 0.0000 | 0.0000 | 81.554 | 0.19520 | 0.00000 | 602892.1 | 446826.9 | 0.0 | S |
| 142.858 | 0.0000 | 0.0000 | 81.554 | 0.19518 | 0.00000 | 602892.1 | 446832.8 | 0.0 | S |
| 142.867 | 0.0000 | 0.0000 | 81.554 | 0.19517 | 0.00000 | 602892.1 | 446838.6 | 0.0 | S |
| 142.875 | 0.0000 | 0.0000 | 81.554 | 0.19516 | 0.00000 | 602892.1 | 446844.5 | 0.0 | S |
| 142.883 | 0.0000 | 0.0000 | 81.554 | 0.19515 | 0.00000 | 602892.1 | 446850.3 | 0.0 | S |
| 142.892 | 0.0000 | 0.0000 | 81.553 | 0.19514 | 0.00000 | 602892.1 | 446856.2 | 0.0 | S |
| 142.900 | 0.0000 | 0.0000 | 81.553 | 0.19512 | 0.00000 | 602892.1 | 446862.0 | 0.0 | S |
| 142.908 | 0.0000 | 0.0000 | 81.553 | 0.19511 | 0.00000 | 602892.1 | 446867.9 | 0.0 | S |
| 142.917 | 0.0000 | 0.0000 | 81.553 | 0.19510 | 0.00000 | 602892.1 | 446873.8 | 0.0 | S |
| 142.925 | 0.0000 | 0.0000 | 81.553 | 0.19509 | 0.00000 | 602892.1 | 446879.6 | 0.0 | S |
| 142.933 | 0.0000 | 0.0000 | 81.553 | 0.19508 | 0.00000 | 602892.1 | 446885.4 | 0.0 | S |
| 142.942 | 0.0000 | 0.0000 | 81.553 | 0.19507 | 0.00000 | 602892.1 | 446891.3 | 0.0 | S |
| 142.950 | 0.0000 | 0.0000 | 81.553 | 0.19505 | 0.00000 | 602892.1 | 446897.2 | 0.0 | S |
| 142.958 | 0.0000 | 0.0000 | 81.553 | 0.19504 | 0.00000 | 602892.1 | 446903.0 | 0.0 | S |
| 142.967 | 0.0000 | 0.0000 | 81.552 | 0.19503 | 0.00000 | 602892.1 | 446908.8 | 0.0 | S |
| 142.975 | 0.0000 | 0.0000 | 81.552 | 0.19502 | 0.00000 | 602892.1 | 446914.7 | 0.0 | S |
| 142.983 | 0.0000 | 0.0000 | 81.552 | 0.19501 | 0.00000 | 602892.1 | 446920.6 | 0.0 | S |
| 142.992 | 0.0000 | 0.0000 | 81.552 | 0.19500 | 0.00000 | 602892.1 | 446926.4 | 0.0 | S |
| 143.000 | 0.0000 | 0.0000 | 81.552 | 0.19498 | 0.00000 | 602892.1 | 446932.3 | 0.0 | S |
| 143.008 | 0.0000 | 0.0000 | 81.552 | 0.19497 | 0.00000 | 602892.1 | 446938.1 | 0.0 | S |
| 143.017 | 0.0000 | 0.0000 | 81.552 | 0.19496 | 0.00000 | 602892.1 | 446944.0 | 0.0 | S |
| 143.025 | 0.0000 | 0.0000 | 81.552 | 0.19495 | 0.00000 | 602892.1 | 446949.8 | 0.0 | S |
| 143.033 | 0.0000 | 0.0000 | 81.552 | 0.19494 | 0.00000 | 602892.1 | 446955.7 | 0.0 | S |
| 143.042 | 0.0000 | 0.0000 | 81.552 | 0.19493 | 0.00000 | 602892.1 | 446961.5 | 0.0 | S |
| 143.050 | 0.0000 | 0.0000 | 81.551 | 0.19491 | 0.00000 | 602892.1 | 446967.3 | 0.0 | S |
| 143.058 | 0.0000 | 0.0000 | 81.551 | 0.19490 | 0.00000 | 602892.1 | 446973.2 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f} /{ }^{3} \mathrm{~s}$ ) | Outside Recharge (fl/day) | Stage Elevation (ft datum) | Infitration Rate ( $\mathrm{H}^{3 / \mathrm{s}}$ ) | Oventlow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{t}^{3}$ ) | Cumulative Infiltration Volume (ft ${ }^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 143.067 | 0.0000 | 0.0000 | 81.551 | 0.19489 | 0.00000 | 602892.1 | 446979.0 | 0.0 | S |
| 143.075 | 0.0000 | 0.0000 | 81.551 | 0.19488 | 0.00000 | 602892.1 | 446984.9 | 0.0 | S |
| 143.083 | 0.0000 | 0.0000 | 81.551 | 0.19487 | 0.00000 | 602892.1 | 446990.8 | 0.0 | S |
| 143.092 | 0.0000 | 0.0000 | 81.551 | 0.19486 | 0.00000 | 602892.1 | 446996.6 | 0.0 | S |
| 143.100 | 0.0000 | 0.0000 | 81.551 | 0.19484 | 0.00000 | 602892.1 | 447002.4 | 0.0 | S |
| 143.108 | 0.0000 | 0.0000 | 81.551 | 0.19483 | 0.00000 | 602892.1 | 447008.3 | 0.0 | S |
| 143.117 | 0.0000 | 0.0000 | 81.551 | 0.19482 | 0.00000 | 602892.1 | 447014.1 | 0.0 | S |
| 143.125 | 0.0000 | 0.0000 | 81.550 | 0.19481 | 0.00000 | 602892.1 | 447020.0 | 0.0 | S |
| 143.133 | 0.0000 | 0.0000 | 81.550 | 0.19480 | 0.00000 | 602892.1 | 447025.8 | 0.0 | S |
| 143.142 | 0.0000 | 0.0000 | 81.550 | 0.19479 | 0.00000 | 602892.1 | 447031.7 | 0.0 | S |
| 143.150 | 0.0000 | 0.0000 | 81.550 | 0.19477 | 0.00000 | 602892.1 | 447037.5 | 0.0 | S |
| 143.158 | 0.0000 | 0.0000 | 81.550 | 0.19476 | 0.00000 | 602892.1 | 447043.3 | 0.0 | S |
| 143.167 | 0.0000 | 0.0000 | 81.550 | 0.19475 | 0.00000 | 602892.1 | 447049.2 | 0.0 | S |
| 143.175 | 0.0000 | 0.0000 | 81.550 | 0.19474 | 0.00000 | 602892.1 | 447055.0 | 0.0 | S |
| 143.183 | 0.0000 | 0.0000 | 81.550 | 0.19473 | 0.00000 | 602892.1 | 447060.9 | 0.0 | S |
| 143.192 | 0.0000 | 0.0000 | 81.550 | 0.19472 | 0.00000 | 602892.1 | 447066.7 | 0.0 | S |
| 143.200 | 0.0000 | 0.0000 | 81.549 | 0.19470 | 0.00000 | 602892.1 | 447072.5 | 0.0 | S |
| 143.208 | 0.0000 | 0.0000 | 81.549 | 0.19469 | 0.00000 | 602892.1 | 447078.4 | 0.0 | S |
| 143.217 | 0.0000 | 0.0000 | 81.549 | 0.19468 | 0.00000 | 602892.1 | 447084.2 | 0.0 | S |
| 143.225 | 0.0000 | 0.0000 | 81.549 | 0.19467 | 0.00000 | 602892.1 | 447090.1 | 0.0 | S |
| 143.233 | 0.0000 | 0.0000 | 81.549 | 0.19466 | 0.00000 | 602892.1 | 447095.9 | 0.0 | S |
| 143.242 | 0.0000 | 0.0000 | 81.549 | 0.19465 | 0.00000 | 602892.1 | 447101.8 | 0.0 | S |
| 143.250 | 0.0000 | 0.0000 | 81.549 | 0.19463 | 0.00000 | 602892.1 | 447107.6 | 0.0 | S |
| 143.258 | 0.0000 | 0.0000 | 81.549 | 0.19462 | 0.00000 | 602892.1 | 447113.4 | 0.0 | S |
| 143.267 | 0.0000 | 0.0000 | 81.549 | 0.19461 | 0.00000 | 602892.1 | 447119.3 | 0.0 | S |
| 143.275 | 0.0000 | 0.0000 | 81.549 | 0.19460 | 0.00000 | 602892.1 | 447125.1 | 0.0 | S |
| 143.283 | 0.0000 | 0.0000 | 81.548 | 0.19459 | 0.00000 | 602892.1 | 447130.9 | 0.0 | S |
| 143.292 | 0.0000 | 0.0000 | 81.548 | 0.19458 | 0.00000 | 602892.1 | 447136.8 | 0.0 | S |
| 143.300 | 0.0000 | 0.0000 | 81.548 | 0.19456 | 0.00000 | 602892.1 | 447142.6 | 0.0 | S |
| 143.308 | 0.0000 | 0.0000 | 81.548 | 0.19455 | 0.00000 | 602892.1 | 447148.4 | 0.0 | S |
| 143.317 | 0.0000 | 0.0000 | 81.548 | 0.19454 | 0.00000 | 602892.1 | 447154.3 | 0.0 | S |
| 143.325 | 0.0000 | 0.0000 | 81.548 | 0.19453 | 0.00000 | 602892.1 | 447160.1 | 0.0 | S |
| 143.333 | 0.0000 | 0.0000 | 81.548 | 0.19452 | 0.00000 | 602892.1 | 447166.0 | 0.0 | S |
| 143.342 | 0.0000 | 0.0000 | 81.548 | 0.19451 | 0.00000 | 602892.1 | 447171.8 | 0.0 | S |
| 143.350 | 0.0000 | 0.0000 | 81.548 | 0.19449 | 0.00000 | 602892.1 | 447177.6 | 0.0 | S |
| 143.358 | 0.0000 | 0.0000 | 81.547 | 0.19448 | 0.00000 | 602892.1 | 447183.5 | 0.0 | S |
| 143.367 | 0.0000 | 0.0000 | 81.547 | 0.19447 | 0.00000 | 602892.1 | 447189.3 | 0.0 | S |
| 143.375 | 0.0000 | 0.0000 | 81.547 | 0.19446 | 0.00000 | 602892.1 | 447195.1 | 0.0 | S |
| 143.383 | 0.0000 | 0.0000 | 81.547 | 0.19445 | 0.00000 | 602892.1 | 447201.0 | 0.0 | S |
| 143.392 | 0.0000 | 0.0000 | 81.547 | 0.19444 | 0.00000 | 602892.1 | 447206.8 | 0.0 | S |
| 143.400 | 0.0000 | 0.0000 | 81.547 | 0.19442 | 0.00000 | 602892.1 | 447212.6 | 0.0 | S |
| 143.408 | 0.0000 | 0.0000 | 81.547 | 0.19441 | 0.00000 | 602892.1 | 447218.5 | 0.0 | S |
| 143.417 | 0.0000 | 0.0000 | 81.547 | 0.19440 | 0.00000 | 602892.1 | 447224.3 | 0.0 | S |
| 143.425 | 0.0000 | 0.0000 | 81.547 | 0.19439 | 0.00000 | 602892.1 | 447230.1 | 0.0 | S |
| 143.433 | 0.0000 | 0.0000 | 81.547 | 0.19438 | 0.00000 | 602892.1 | 447236.0 | 0.0 | S |
| 143.442 | 0.0000 | 0.0000 | 81.546 | 0.19437 | 0.00000 | 602892.1 | 447241.8 | 0.0 | S |
| 143.450 | 0.0000 | 0.0000 | 81.546 | 0.19436 | 0.00000 | 602892.1 | 447247.6 | 0.0 | S |
| 143.458 | 0.0000 | 0.0000 | 81.546 | 0.19434 | 0.00000 | 602892.1 | 447253.5 | 0.0 | S |
| 143.467 | 0.0000 | 0.0000 | 81.546 | 0.19433 | 0.00000 | 602892.1 | 447259.3 | 0.0 | S |
| 143.475 | 0.0000 | 0.0000 | 81.546 | 0.19432 | 0.00000 | 602892.1 | 447265.1 | 0.0 | S |
| 143.483 | 0.0000 | 0.0000 | 81.546 | 0.19431 | 0.00000 | 602892.1 | 447270.9 | 0.0 | S |
| 143.492 | 0.0000 | 0.0000 | 81.546 | 0.19430 | 0.00000 | 602892.1 | 447276.8 | 0.0 | S |
| 143.500 | 0.0000 | 0.0000 | 81.546 | 0.19429 | 0.00000 | 602892.1 | 447282.6 | 0.0 | S |
| 143.508 | 0.0000 | 0.0000 | 81.546 | 0.19427 | 0.00000 | 602892.1 | 447288.4 | 0.0 | S |
| 143.517 | 0.0000 | 0.0000 | 81.545 | 0.19426 | 0.00000 | 602892.1 | 447294.3 | 0.0 | S |
| 143.525 | 0.0000 | 0.0000 | 81.545 | 0.19425 | 0.00000 | 602892.1 | 447300.1 | 0.0 | S |
| 143.533 | 0.0000 | 0.0000 | 81.545 | 0.19424 | 0.00000 | 602892.1 | 447305.9 | 0.0 | S |
| 143.542 | 0.0000 | 0.0000 | 81.545 | 0.19423 | 0.00000 | 602892.1 | 447311.8 | 0.0 | S |
| 143.550 | 0.0000 | 0.0000 | 81.545 | 0.19422 | 0.00000 | 602892.1 | 447317.6 | 0.0 | S |
| 143.558 | 0.0000 | 0.0000 | 81.545 | 0.19420 | 0.00000 | 602892.1 | 447323.4 | 0.0 | S |
| 143.567 | 0.0000 | 0.0000 | 81.545 | 0.19419 | 0.00000 | 602892.1 | 447329.2 | 0.0 | S |
| 143.575 | 0.0000 | 0.0000 | 81.545 | 0.19418 | 0.00000 | 602892.1 | 447335.0 | 0.0 | S |
| 143.583 | 0.0000 | 0.0000 | 81.545 | 0.19417 | 0.00000 | 602892.1 | 447340.9 | 0.0 | S |
| 143.592 | 0.0000 | 0.0000 | 81.544 | 0.19416 | 0.00000 | 602892.1 | 447346.7 | 0.0 | S |
| 143.600 | 0.0000 | 0.0000 | 81.544 | 0.19415 | 0.00000 | 602892.1 | 447352.5 | 0.0 | S |
| 143.608 | 0.0000 | 0.0000 | 81.544 | 0.19413 | 0.00000 | 602892.1 | 447358.3 | 0.0 | S |
| 143.617 | 0.0000 | 0.0000 | 81.544 | 0.19412 | 0.00000 | 602892.1 | 447364.2 | 0.0 | S |
| 143.625 | 0.0000 | 0.0000 | 81.544 | 0.19411 | 0.00000 | 602892.1 | 447370.0 | 0.0 | S |
| 143.633 | 0.0000 | 0.0000 | 81.544 | 0.19410 | 0.00000 | 602892.1 | 447375.8 | 0.0 | S |
| 143.642 | 0.0000 | 0.0000 | 81.544 | 0.19409 | 0.00000 | 602892.1 | 447381.6 | 0.0 | S |
| 143.650 | 0.0000 | 0.0000 | 81.544 | 0.19408 | 0.00000 | 602892.1 | 447387.5 | 0.0 | S |
| 143.658 | 0.0000 | 0.0000 | 81.544 | 0.19406 | 0.00000 | 602892.1 | 447393.3 | 0.0 | S |
| 143.667 | 0.0000 | 0.0000 | 81.544 | 0.19405 | 0.00000 | 602892.1 | 447399.1 | 0.0 | S |
| 143.675 | 0.0000 | 0.0000 | 81.543 | 0.19404 | 0.00000 | 602892.1 | 447404.9 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario $1::$ pond 9100 year $/ 24$ hour routing with pond 10 overflow

| Elapsed Time (hours) | Infiow Rate <br> $\left(\mathrm{fl}^{3} / \mathrm{s}\right)$ | Outside Recharge (IV/day) | Stage Elevation (ft datum) | Infilisation Rate (ftss) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumutative Inflow Volume ( $\left(t^{3}\right)$ | Cumulative Infiltration Volume (fis) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 143.683 | 0.0000 | 0.0000 | 81.543 | 0.19403 | 0.00000 | 602892.1 | 447410.8 | 0.0 | S |
| 143.692 | 0.0000 | 0.0000 | 81.543 | 0.19402 | 0.00000 | 602892.1 | 447416.6 | 0.0 | S |
| 143.700 | 0.0000 | 0.0000 | 81.543 | 0.19401 | 0.00000 | 602892.1 | 447422.4 | 0.0 | S |
| 143.708 | 0.0000 | 0.0000 | 81.543 | 0.19400 | 0.00000 | 602892.1 | 447428.2 | 0.0 | S |
| 143.717 | 0.0000 | 0.0000 | 81.543 | 0.19398 | 0.00000 | 602892.1 | 447434.0 | 0.0 | S |
| 143.725 | 0.0000 | 0.0000 | 81.543 | 0.19397 | 0.00000 | 602892.1 | 447439.8 | 0.0 | S |
| 143.733 | 0.0000 | 0.0000 | 81.543 | 0.19396 | 0.00000 | 602892.1 | 447445.7 | 0.0 | S |
| 143.742 | 0.0000 | 0.0000 | 81.543 | 0.19395 | 0.00000 | 602892.1 | 447451.5 | 0.0 | S |
| 143.750 | 0.0000 | 0.0000 | 81.542 | 0.19394 | 0.00000 | 602892.1 | 447457.3 | 0.0 | S |
| 143.758 | 0.0000 | 0.0000 | 81.542 | 0.19393 | 0.00000 | 602892.1 | 447463.1 | 0.0 | S |
| 143.767 | 0.0000 | 0.0000 | 81.542 | 0.19391 | 0.00000 | 602892.1 | 447468.9 | 0.0 | S |
| 143.775 | 0.0000 | 0.0000 | 81.542 | 0.19390 | 0.00000 | 602892.1 | 447474.8 | 0.0 | S |
| 143.783 | 0.0000 | 0.0000 | 81.542 | 0.19389 | 0.00000 | 602892.1 | 447480.6 | 0.0 | S |
| 143.792 | 0.0000 | 0.0000 | 81.542 | 0.19388 | 0.00000 | 602892.1 | 447486.4 | 0.0 | S |
| 143.800 | 0.0000 | 0.0000 | 81.542 | 0.19387 | 0.00000 | 602892.1 | 447492.2 | 0.0 | S |
| 143.808 | 0.0000 | 0.0000 | 81.542 | 0.19386 | 0.00000 | 602892.1 | 447498.0 | 0.0 | S |
| 143.817 | 0.0000 | 0.0000 | 81.542 | 0.19384 | 0.00000 | 602892.1 | 447503.8 | 0.0 | S |
| 143.825 | 0.0000 | 0.0000 | 81.541 | 0.19383 | 0.00000 | 602892.1 | 447509.7 | 0.0 | S |
| 143.833 | 0.0000 | 0.0000 | 81.541 | 0.19382 | 0.00000 | 602892.1 | 447515.5 | 0.0 | S |
| 143.842 | 0.0000 | 0.0000 | 81.541 | 0.19381 | 0.00000 | 602892.1 | 447521.3 | 0.0 | S |
| 143.850 | 0.0000 | 0.0000 | 81.541 | 0.19380 | 0.00000 | 602892.1 | 447527.1 | 0.0 | S |
| 143.858 | 0.0000 | 0.0000 | 81.541 | 0.19379 | 0.00000 | 602892.1 | 447532.9 | 0.0 | S |
| 143.867 | 0.0000 | 0.0000 | 81.541 | 0.19378 | 0.00000 | 602892.1 | 447538.7 | 0.0 | S |
| 143.875 | 0.0000 | 0.0000 | 81.541 | 0.19376 | 0.00000 | 602892.1 | 447544.5 | 0.0 | S |
| 143.883 | 0.0000 | 0.0000 | 81.541 | 0.19375 | 0.00000 | 602892.1 | 447550.3 | 0.0 | S |
| 143.892 | 0.0000 | 0.0000 | 81.541 | 0.19374 | 0.00000 | 602892.1 | 447556.2 | 0.0 | S |
| 143.900 | 0.0000 | 0.0000 | 81.541 | 0.19373 | 0.00000 | 602892.1 | 447562.0 | 0.0 | S |
| 143.908 | 0.0000 | 0.0000 | 81.540 | 0.19372 | 0.00000 | 602892.1 | 447567.8 | 0.0 | S |
| 143.917 | 0.0000 | 0.0000 | 81.540 | 0.19371 | 0.00000 | 602892.1 | 447573.6 | 0.0 | S |
| 143.925 | 0.0000 | 0.0000 | 81.540 | 0.19369 | 0.00000 | 602892.1 | 447579.4 | 0.0 | S |
| 143.933 | 0.0000 | 0.0000 | 81.540 | 0.19368 | 0.00000 | 602892.1 | 447585.2 | 0.0 | S |
| 143.942 | 0.0000 | 0.0000 | 81.540 | 0.19367 | 0.00000 | 602892.1 | 447591.0 | 0.0 | S |
| 143.950 | 0.0000 | 0.0000 | 81.540 | 0.19366 | 0.00000 | 602892.1 | 447596.8 | 0.0 | S |
| 143.958 | 0.0000 | 0.0000 | 81.540 | 0.19365 | 0.00000 | 602892.1 | 447602.7 | 0.0 | S |
| 143.967 | 0.0000 | 0.0000 | 81.540 | 0.19364 | 0.00000 | 602892.1 | 447608.5 | 0.0 | S |
| 143.975 | 0.0000 | 0.0000 | 81.540 | 0.19363 | 0.00000 | 602892.1 | 447614.3 | 0.0 | S |
| 143.983 | 0.0000 | 0.0000 | 81.539 | 0.19361 | 0.00000 | 602892.1 | 447620.1 | 0.0 | S |
| 143.992 | 0.0000 | 0.0000 | 81.539 | 0.19360 | 0.00000 | 602892.1 | 447625.9 | 0.0 | S |
| 144.000 | 0.0000 | 0.0000 | 81.539 | 0.19359 | 0.00000 | 602892.1 | 447631.7 | 0.0 | S |
| 144.008 | 0.0000 | 0.0000 | 81.539 | 0.19358 | 0.00000 | 602892.1 | 447637.5 | 0.0 | S |
| 144.017 | 0.0000 | 0.0000 | 81.539 | 0.19357 | 0.00000 | 602892.1 | 447643.3 | 0.0 | S |
| 144.025 | 0.0000 | 0.0000 | 81.539 | 0.19356 | 0.00000 | 602892.1 | 447649.1 | 0.0 | S |
| 144.033 | 0.0000 | 0.0000 | 81.539 | 0.19354 | 0.00000 | 602892.1 | 447654.9 | 0.0 | S |
| 144.042 | 0.0000 | 0.0000 | 81.539 | 0.19353 | 0.00000 | 602892.1 | 447660.7 | 0.0 | S |
| 144.050 | 0.0000 | 0.0000 | 81.539 | 0.19352 | 0.00000 | 602892.1 | 447666.5 | 0.0 | S |
| 144.058 | 0.0000 | 0.0000 | 81.539 | 0.19351 | 0.00000 | 602892.1 | 447672.3 | 0.0 | S |
| 144.067 | 0.0000 | 0.0000 | 81.538 | 0.19350 | 0.00000 | 602892.1 | 447678.1 | 0.0 | S |
| 144.075 | 0.0000 | 0.0000 | 81.538 | 0.19349 | 0.00000 | 602892.1 | 447683.9 | 0.0 | S |
| 144.083 | 0.0000 | 0.0000 | 81.538 | 0.19348 | 0.00000 | 602892.1 | 447689.8 | 0.0 | S |
| 144.092 | 0.0000 | 0.0000 | 81.538 | 0.19346 | 0.00000 | 602892.1 | 447695.6 | 0.0 | S |
| 144.100 | 0.0000 | 0.0000 | 81.538 | 0.19345 | 0.00000 | 602892.1 | 447701.3 | 0.0 | S |
| 144.108 | 0.0000 | 0.0000 | 81.538 | 0.19344 | 0.00000 | 602892.1 | 447707.2 | 0.0 | S |
| 144.117 | 0.0000 | 0.0000 | 81.538 | 0.19343 | 0.00000 | 602892.1 | 447713.0 | 0.0 | S |
| 144.125 | 0.0000 | 0.0000 | 81.538 | 0.19342 | 0.00000 | 602892.1 | 447718.8 | 0.0 | S |
| 144.133 | 0.0000 | 0.0000 | 81.538 | 0.19341 | 0.00000 | 602892.1 | 447724.6 | 0.0 | S |
| 144.142 | 0.0000 | 0.0000 | 81.537 | 0.19339 | 0.00000 | 602892.1 | 447730.4 | 0.0 | S |
| 144.150 | 0.0000 | 0.0000 | 81.537 | 0.19338 | 0.00000 | 602892.1 | 447736.2 | 0.0 | S |
| 144.158 | 0.0000 | 0.0000 | 81.537 | 0.19337 | 0.00000 | 602892.1 | 447742.0 | 0.0 | S |
| 144.167 | 0.0000 | 0.0000 | 81.537 | 0.19336 | 0.00000 | 602892.1 | 447747.8 | 0.0 | S |
| 144.175 | 0.0000 | 0.0000 | 81.537 | 0.19335 | 0.00000 | 602892.1 | 447753.6 | 0.0 | S |
| 144.183 | 0.0000 | 0.0000 | 81.537 | 0.19334 | 0.00000 | 602892.1 | 447759.4 | 0.0 | S |
| 144.192 | 0.0000 | 0.0000 | 81.537 | 0.19333 | 0.00000 | 602892.1 | 447765.2 | 0.0 | S |
| 144.200 | 0.0000 | 0.0000 | 81.537 | 0.19331 | 0.00000 | 602892.1 | 447771.0 | 0.0 | S |
| 144.208 | 0.0000 | 0.0000 | 81.537 | 0.19330 | 0.00000 | 602892.1 | 447776.8 | 0.0 | S |
| 144.217 | 0.0000 | 0.0000 | 81.536 | 0.19329 | 0.00000 | 602892.1 | 447782.6 | 0.0 | S |
| 144.225 | 0.0000 | 0.0000 | 81.536 | 0.19328 | 0.00000 | 602892.1 | 447788.4 | 0.0 | S |
| 144.233 | 0.0000 | 0.0000 | 81.536 | 0.19327 | 0.00000 | 602892.1 | 447794.2 | 0.0 | S |
| 144.242 | 0.0000 | 0.0000 | 81.536 | 0.19326 | 0.00000 | 602892.1 | 447800.0 | 0.0 | S |
| 144.250 | 0.0000 | 0.0000 | 81.536 | 0.19325 | 0.00000 | 602892.1 | 447805.8 | 0.0 | S |
| 144.258 | 0.0000 | 0.0000 | 81.536 | 0.19323 | 0.00000 | 602892.1 | 447811.6 | 0.0 | S |
| 144.267 | 0.0000 | 0.0000 | 81.536 | 0.19322 | 0.00000 | 602892.1 | 447817.3 | 0.0 | S |
| 144.275 | 0.0000 | 0.0000 | 81.536 | 0.19321 | 0.00000 | 602892.1 | 447823.2 | 0.0 | S |
| 144.283 | 0.0000 | 0.0000 | 81.536 | 0.19320 | 0.00000 | 602892.1 | 447828.9 | 0.0 | S |
| 144.292 | 0.0000 | 0.0000 | 81.536 | 0.19319 | 0.00000 | 602892.1 | 447834.8 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year/ 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{H}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 144.300 | 0.0000 | 0.0000 | 81.535 | 0.19318 | 0.00000 | 602892.1 | 447840.5 | 0.0 | S |
| 144.308 | 0.0000 | 0.0000 | 81.535 | 0.19316 | 0.00000 | 602892.1 | 447846.3 | 0.0 | S |
| 144.317 | 0.0000 | 0.0000 | 81.535 | 0.19315 | 0.00000 | 602892.1 | 447852.1 | 0.0 | S |
| 144.325 | 0.0000 | 0.0000 | 81.535 | 0.19314 | 0.00000 | 602892.1 | 447857.9 | 0.0 | S |
| 144.333 | 0.0000 | 0.0000 | 81.535 | 0.19313 | 0.00000 | 602892.1 | 447863.7 | 0.0 | S |
| 144.342 | 0.0000 | 0.0000 | 81.535 | 0.19312 | 0.00000 | 602892.1 | 447869.5 | 0.0 | S |
| 144.350 | 0.0000 | 0.0000 | 81.535 | 0.19311 | 0.00000 | 602892.1 | 447875.3 | 0.0 | S |
| 144.358 | 0.0000 | 0.0000 | 81.535 | 0.19310 | 0.00000 | 602892.1 | 447881.1 | 0.0 | S |
| 144.367 | 0.0000 | 0.0000 | 81.535 | 0.19308 | 0.00000 | 602892.1 | 447886.9 | 0.0 | S |
| 144.375 | 0.0000 | 0.0000 | 81.534 | 0.19307 | 0.00000 | 602892.1 | 447892.7 | 0.0 | S |
| 144.383 | 0.0000 | 0.0000 | 81.534 | 0.19306 | 0.00000 | 602892.1 | 447898.5 | 0.0 | 5 |
| 144.392 | 0.0000 | 0.0000 | 81.534 | 0.19305 | 0.00000 | 602892.1 | 447904.3 | 0.0 | S |
| 144.400 | 0.0000 | 0.0000 | 81.534 | 0.19304 | 0.00000 | 602892.1 | 447910.1 | 0.0 | S |
| 144.408 | 0.0000 | 0.0000 | 81.534 | 0.19303 | 0.00000 | 602892.1 | 447915.8 | 0.0 | S |
| 144.417 | 0.0000 | 0.0000 | 81.534 | 0.19302 | 0.00000 | 602892.1 | 447921.7 | 0.0 | S |
| 144.425 | 0.0000 | 0.0000 | 81.534 | 0.19300 | 0.00000 | 602892.1 | 447927.4 | 0.0 | S |
| 144.433 | 0.0000 | 0.0000 | 81.534 | 0.19299 | 0.00000 | 602892.1 | 447933.2 | 0.0 | S |
| 144.442 | 0.0000 | 0.0000 | 81.534 | 0.19298 | 0.00000 | 602892.1 | 447939.0 | 0.0 | S |
| 144.450 | 0.0000 | 0.0000 | 81.534 | 0.19297 | 0.00000 | 602892.1 | 447944.8 | 0.0 | S |
| 144.458 | 0.0000 | 0.0000 | 81.533 | 0.19296 | 0.00000 | 602892.1 | 447950.6 | 0.0 | S |
| 144.467 | 0.0000 | 0.0000 | 81.533 | 0.19295 | 0.00000 | 602892.1 | 447956.4 | 0.0 | S |
| 144.475 | 0.0000 | 0.0000 | 81.533 | 0.19294 | 0.00000 | 602892.1 | 447962.2 | 0.0 | S |
| 144.483 | 0.0000 | 0.0000 | 81.533 | 0.19292 | 0.00000 | 602892.1 | 447968.0 | 0.0 | S |
| 144.492 | 0.0000 | 0.0000 | 81.533 | 0.19291 | 0.00000 | 602892.1 | 447973.8 | 0.0 | S |
| 144.500 | 0.0000 | 0.0000 | 81.533 | 0.19290 | 0.00000 | 602892.1 | 447979.5 | 0.0 | S |
| 144.508 | 0.0000 | 0.0000 | 81.533 | 0.19289 | 0.00000 | 602892.1 | 447985.3 | 0.0 | S |
| 144.517 | 0.0000 | 0.0000 | 81.533 | 0.19288 | 0.00000 | 602892.1 | 447991.1 | 0.0 | S |
| 144.525 | 0.0000 | 0.0000 | 81.533 | 0.19287 | 0.00000 | 602892.1 | 447996.9 | 0.0 | S |
| 144.533 | 0.0000 | 0.0000 | 81.532 | 0.19285 | 0.00000 | 602892.1 | 448002.7 | 0.0 | S |
| 144.542 | 0.0000 | 0.0000 | 81.532 | 0.19284 | 0.00000 | 602892.1 | 448008.5 | 0.0 | S |
| 144.550 | 0.0000 | 0.0000 | 81.532 | 0.19283 | 0.00000 | 602892.1 | 448014.3 | 0.0 | S |
| 144.558 | 0.0000 | 0.0000 | 81.532 | 0.19282 | 0.00000 | 602892.1 | 448020.0 | 0.0 | S |
| 144.567 | 0.0000 | 0.0000 | 81.532 | 0.19281 | 0.00000 | 602892.1 | 448025.8 | 0.0 | S |
| 144.575 | 0.0000 | 0.0000 | 81.532 | 0.19280 | 0.00000 | 602892.1 | 448031.6 | 0.0 | S |
| 144.583 | 0.0000 | 0.0000 | 81.532 | 0.19279 | 0.00000 | 602892.1 | 448037.4 | 0.0 | S |
| 144.592 | 0.0000 | 0.0000 | 81.532 | 0.19277 | 0.00000 | 602892.1 | 448043.2 | 0.0 | S |
| 144.600 | 0.0000 | 0.0000 | 81.532 | 0.19276 | 0.00000 | 602892.1 | 448048.9 | 0.0 | S |
| 144.608 | 0.0000 | 0.0000 | 81.532 | 0.19275 | 0.00000 | 602892.1 | 448054.7 | 0.0 | S |
| 144.617 | 0.0000 | 0.0000 | 81.531 | 0.19274 | 0.00000 | 602892.1 | 448060.5 | 0.0 | S |
| 144.625 | 0.0000 | 0.0000 | 81.531 | 0.19273 | 0.00000 | 602892.1 | 448066.3 | 0.0 | S |
| 144.633 | 0.0000 | 0.0000 | 81.531 | 0.19272 | 0.00000 | 602892.1 | 448072.1 | 0.0 | S |
| 144.642 | 0.0000 | 0.0000 | 81.531 | 0.19271 | 0.00000 | 602892.1 | 448077.9 | 0.0 | S |
| 144.650 | 0.0000 | 0.0000 | 81.531 | 0.19269 | 0.00000 | 602892.1 | 448083.7 | 0.0 | S |
| 144.658 | 0.0000 | 0.0000 | 81.531 | 0.19268 | 0.00000 | 602892.1 | 448089.4 | 0.0 | S |
| 144.667 | 0.0000 | 0.0000 | 81.531 | 0.19267 | 0.00000 | 602892.1 | 448095.2 | 0.0 | S |
| 144.675 | 0.0000 | 0.0000 | 81.531 | 0.19266 | 0.00000 | 602892.1 | 448101.0 | 0.0 | S |
| 144.683 | 0.0000 | 0.0000 | 81.531 | 0.19265 | 0.00000 | 602892.1 | 448106.8 | 0.0 | S |
| 144.692 | 0.0000 | 0.0000 | 81.530 | 0.19264 | 0.00000 | 602892.1 | 448112.5 | 0.0 | S |
| 144.700 | 0.0000 | 0.0000 | 81.530 | 0.19263 | 0.00000 | 602892.1 | 448118.3 | 0.0 | S |
| 144.708 | 0.0000 | 0.0000 | 81.530 | 0.19261 | 0.00000 | 602892.1 | 448124.1 | 0.0 | S |
| 144.717 | 0.0000 | 0.0000 | 81.530 | 0.19260 | 0.00000 | 602892.1 | 448129.9 | 0.0 | S |
| 144.725 | 0.0000 | 0.0000 | 81.530 | 0.19259 | 0.00000 | 602892.1 | 448135.7 | 0.0 | S |
| 144.733 | 0.0000 | 0.0000 | 81.530 | 0.19258 | 0.00000 | 602892.1 | 448141.4 | 0.0 | S |
| 144.742 | 0.0000 | 0.0000 | 81.530 | 0.19257 | 0.00000 | 602892.1 | 448147.2 | 0.0 | S |
| 144.750 | 0.0000 | 0.0000 | 81.530 | 0.19256 | 0.00000 | 602892.1 | 448153.0 | 0.0 | S |
| 144.758 | 0.0000 | 0.0000 | 81.530 | 0.19255 | 0.00000 | 602892.1 | 448158.8 | 0.0 | S |
| 144.767 | 0.0000 | 0.0000 | 81.529 | 0.19253 | 0.00000 | 602892.1 | 448164.5 | 0.0 | S |
| 144.775 | 0.0000 | 0.0000 | 81.529 | 0.19252 | 0.00000 | 602892.1 | 448170.3 | 0.0 | S |
| 144.783 | 0.0000 | 0.0000 | 81.529 | 0.79251 | 0.00000 | 602892.1 | 448176.1 | 0.0 | S |
| 144.792 | 0.0000 | 0.0000 | 81.529 | 0.19250 | 0.00000 | 602892.1 | 448181.9 | 0.0 | S |
| 144.800 | 0.0000 | 0.0000 | 81.529 | 0.19249 | 0.00000 | 602892.1 | 448187.6 | 0.0 | S |
| 144.808 | 0.0000 | 0.0000 | 81.529 | 0.19248 | 0.00000 | 602892.1 | 448193.4 | 0.0 | S |
| 144.817 | 0.0000 | 0.0000 | 81.529 | 0.19247 | 0.00000 | 602892.1 | 448199.2 | 0.0 | S |
| 144.825 | 0.0000 | 0.0000 | 81.529 | 0.19245 | 0.00000 | 602892.1 | 448205.0 | 0.0 | S |
| 144.833 | 0.0000 | 0.0000 | 81.529 | 0.19244 | 0.00000 | 602892.1 | 448210.8 | 0.0 | S |
| 144.842 | 0.0000 | 0.0000 | 81.529 | 0.19243 | 0.00000 | 602892.1 | 448216.5 | 0.0 | S |
| 144.850 | 0.0000 | 0.0000 | 81.528 | 0.19242 | 0.00000 | 602892.1 | 448222.3 | 0.0 | S |
| 144.858 | 0.0000 | 0.0000 | 81.528 | 0.19241 | 0.00000 | 602892.1 | 448228.1 | 0.0 | S |
| 144.867 | 0.0000 | 0.0000 | 81.528 | 0.19240 | 0.00000 | 602892.1 | 448233.8 | 0.0 | S |
| 144.875 | 0.0000 | 0.0000 | 81.528 | 0.19239 | 0.00000 | 602892.1 | 448239.6 | 0.0 | S |
| 144.883 | 0.0000 | 0.0000 | 81.528 | 0.19237 | 0.00000 | 602892.1 | 448245.4 | 0.0 | S |
| 144.892 | 0.0000 | 0.0000 | 81.528 | 0.19236 | 0.00000 | 602892.1 | 448251.2 | 0.0 | S |
| 144.900 | 0.0000 | 0.0000 | 81.528 | 0.19235 | 0.00000 | 602892.1 | 448256.9 | 0.0 | S |
| 144.908 | 0.0000 | 0.0000 | 81.528 | 0.19234 | 0.00000 | 602892.1 | 448262.7 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (f datum) | Infiltration Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $4^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infilitration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 144.917 | 0.0000 | 0.0000 | 81.528 | 0.19233 | 0.00000 | 602892.1 | 448268.4 | 0.0 | S |
| 144.925 | 0.0000 | 0.0000 | 81.527 | 0.19232 | 0.00000 | 602892.1 | 448274.2 | 0.0 | S |
| 144.933 | 0.0000 | 0.0000 | 81.527 | 0.19231 | 0.00000 | 602892.1 | 448280.0 | 0.0 | S |
| 144.942 | 0.0000 | 0.0000 | 81.527 | 0.19229 | 0.00000 | 602892.1 | 448285.8 | 0.0 | S |
| 144.950 | 0.0000 | 0.0000 | 81.527 | 0.19228 | 0.00000 | 602892.1 | 448291.5 | 0.0 | S |
| 144.958 | 0.0000 | 0.0000 | 81.527 | 0.19227 | 0.00000 | 602892.1 | 448297.3 | 0.0 | S |
| 144.967 | 0.0000 | 0.0000 | 81.527 | 0.19226 | 0.00000 | 602892.1 | 448303.1 | 0.0 | S |
| 144.975 | 0.0000 | 0.0000 | 81.527 | 0.19225 | 0.00000 | 602892.1 | 448308.8 | 0.0 | S |
| 144.983 | 0.0000 | 0.0000 | 81.527 | 0.19224 | 0.00000 | 602892.1 | 448314.6 | 0.0 | S |
| 144.992 | 0.0000 | 0.0000 | 81.527 | 0.19223 | 0.00000 | 602892.1 | 448320.4 | 0.0 | S |
| 145.000 | 0.0000 | 0.0000 | 81.527 | 0.19222 | 0.00000 | 602892.1 | 448326.1 | 0.0 | S |
| 145.008 | 0.0000 | 0.0000 | 81.526 | 0.19220 | 0.00000 | 602892.1 | 448331.9 | 0.0 | S |
| 145.017 | 0.0000 | 0.0000 | 81.526 | 0.19219 | 0.00000 | 602892.1 | 448337.7 | 0.0 | S |
| 145.025 | 0.0000 | 0.0000 | 81.526 | 0.19218 | 0.00000 | 602892.1 | 448343.4 | 0.0 | S |
| 145.033 | 0.0000 | 0.0000 | 81.526 | 0.19217 | 0.00000 | 602892.1 | 448349.2 | 0.0 | S |
| 145.042 | 0.0000 | 0.0000 | 81.526 | 0.19216 | 0.00000 | 602892.1 | 448355.0 | 0.0 | S |
| 145.050 | 0.0000 | 0.0000 | 81.526 | 0.19215 | 0.00000 | 602892.1 | 448360.7 | 0.0 | S |
| 145.058 | 0.0000 | 0.0000 | 81.526 | 0.19214 | 0.00000 | 602892.1 | 448366.5 | 0.0 | S |
| 145.067 | 0.0000 | 0.0000 | 81.526 | 0.19212 | 0.00000 | 602892.1 | 448372.3 | 0.0 | S |
| 145.075 | 0.0000 | 0.0000 | 81.526 | 0.19211 | 0.00000 | 602892.1 | 448378.0 | 0.0 | S |
| 145.083 | 0.0000 | 0.0000 | 81.525 | 0.19210 | 0.00000 | 602892.1 | 448383.8 | 0.0 | S |
| 145.092 | 0.0000 | 0.0000 | 81.525 | 0.19209 | 0.00000 | 602892.1 | 448389.5 | 0.0 | S |
| 145.100 | 0.0000 | 0.0000 | 81.525 | 0.19208 | 0.00000 | 602892.1 | 448395.3 | 0.0 | S |
| 145.108 | 0.0000 | 0.0000 | 81.525 | 0.19207 | 0.00000 | 602892.1 | 448401.1 | 0.0 | S |
| 145.117 | 0.0000 | 0.0000 | 81.525 | 0.19206 | 0.00000 | 602892.1 | 448406.8 | 0.0 | S |
| 145.125 | 0.0000 | 0.0000 | 81.525 | 0.19204 | 0.00000 | 602892.1 | 448412.6 | 0.0 | S |
| 145.133 | 0.0000 | 0.0000 | 81.525 | 0.19203 | 0.00000 | 602892.1 | 448418.3 | 0.0 | S |
| 145.142 | 0.0000 | 0.0000 | 81.525 | 0.19202 | 0.00000 | 602892.1 | 448424.1 | 0.0 | S |
| 145.150 | 0.0000 | 0.0000 | 81.525 | 0.19201 | 0.00000 | 602892.1 | 448429.9 | 0.0 | S |
| 145.158 | 0.0000 | 0.0000 | 81.525 | 0.19200 | 0.00000 | 602892.1 | 448435.6 | 0.0 | S |
| 145.167 | 0.0000 | 0.0000 | 81.524 | 0.19199 | 0.00000 | 602892.1 | 448441.4 | 0.0 | S |
| 145.175 | 0.0000 | 0.0000 | 81.524 | 0.19198 | 0.00000 | 602892.1 | 448447.2 | 0.0 | S |
| 145.183 | 0.0000 | 0.0000 | 81.524 | 0.19196 | 0.00000 | 602892.1 | 448452.9 | 0.0 | S |
| 145.192 | 0.0000 | 0.0000 | 81.524 | 0.19195 | 0.00000 | 602892.1 | 448458.7 | 0.0 | S |
| 145.200 | 0.0000 | 0.0000 | 81.524 | 0.19194 | 0.00000 | 602892.1 | 448464.4 | 0.0 | S |
| 145.208 | 0.0000 | 0.0000 | 81.524 | 0.19193 | 0.00000 | 602892.1 | 448470.2 | 0.0 | S |
| 145.217 | 0.0000 | 0.0000 | 81.524 | 0.19192 | 0.00000 | 602892.1 | 448475.9 | 0.0 | S |
| 145.225 | 0.0000 | 0.0000 | 81.524 | 0.19191 | 0.00000 | 602892.1 | 448481.7 | 0.0 | S |
| 145.233 | 0.0000 | 0.0000 | 81.524 | 0.19190 | 0.00000 | 602892.1 | 448487.5 | 0.0 | S |
| 145.242 | 0.0000 | 0.0000 | 81.523 | 0.19189 | 0.00000 | 602892.1 | 448493.2 | 0.0 | S |
| 145.250 | 0.0000 | 0.0000 | 81.523 | 0.19187 | 0.00000 | 602892.1 | 448499.0 | 0.0 | S |
| 145.258 | 0.0000 | 0.0000 | 81.523 | 0.19186 | 0.00000 | 602892.1 | 448504.7 | 0.0 | S |
| 145.267 | 0.0000 | 0.0000 | 81.523 | 0.19185 | 0.00000 | 602892.1 | 448510.5 | 0.0 | S |
| 145.275 | 0.0000 | 0.0000 | 81.523 | 0.19184 | 0.00000 | 602892.1 | 448516.3 | 0.0 | S |
| 145.283 | 0.0000 | 0.0000 | 81.523 | 0.19183 | 0.00000 | 602892.1 | 448522.0 | 0.0 | S |
| 145.292 | 0.0000 | 0.0000 | 81.523 | 0.19182 | 0.00000 | 602892.1 | 448527.8 | 0.0 | S |
| 145.300 | 0.0000 | 0.0000 | 81.523 | 0.19181 | 0.00000 | 602892.1 | 448533.5 | 0.0 | S |
| 145.308 | 0.0000 | 0.0000 | 81.523 | 0.19179 | 0.00000 | 602892.1 | 448539.3 | 0.0 | S |
| 145.317 | 0.0000 | 0.0000 | 81.523 | 0.19178 | 0.00000 | 602892.1 | 448545.0 | 0.0 | S |
| 145.325 | 0.0000 | 0.0000 | 81.522 | 0.19177 | 0.00000 | 602892.1 | 448550.8 | 0.0 | S |
| 145.333 | 0.0000 | 0.0000 | 81.522 | 0.19176 | 0.00000 | 602892.1 | 448556.5 | 0.0 | S |
| 145.342 | 0.0000 | 0.0000 | 81.522 | 0.19175 | 0.00000 | 602892.1 | 448562.3 | 0.0 | S |
| 145.350 | 0.0000 | 0.0000 | 81.522 | 0.19174 | 0.00000 | 602892.1 | 448568.0 | 0.0 | S |
| 145.358 | 0.0000 | 0.0000 | 81.522 | 0.19173 | 0.00000 | 602892.1 | 448573.8 | 0.0 | S |
| 145.367 | 0.0000 | 0.0000 | 81.522 | 0.19172 | 0.00000 | 602892.1 | 448579.5 | 0.0 | S |
| 145.375 | 0.0000 | 0.0000 | 81.522 | 0.19170 | 0.00000 | 602892.1 | 448585.3 | 0.0 | S |
| 145.383 | 0.0000 | 0.0000 | 81.522 | 0.19169 | 0.00000 | 602892.1 | 448591.0 | 0.0 | S |
| 145.392 | 0.0000 | 0.0000 | 81.522 | 0.19168 | 0.00000 | 602892.1 | 448596.8 | 0.0 | S |
| 145.400 | 0.0000 | 0.0000 | 81.521 | 0.19167 | 0.00000 | 602892.3 | 448602.5 | 0.0 | S |
| 145.408 | 0.0000 | 0.0000 | 81.521 | 0.19166 | 0.00000 | 602892.1 | 448608.3 | 0.0 | S |
| 145.417 | 0.0000 | 0.0000 | 81.521 | 0.19165 | 0.00000 | 602892.1 | 448614.0 | 0.0 | S |
| 145.425 | 0.0000 | 0.0000 | 81.521 | 0.19164 | 0.00000 | 602892.1 | 448619.8 | 0.0 | S |
| 145.433 | 0.0000 | 0.0000 | 81.521 | 0.19162 | 0.00000 | 602892.1 | 448625.5 | 0.0 | S |
| 145.442 | 0.0000 | 0.0000 | 81.521 | 0.19161 | 0.00000 | 602892.1 | 448631.3 | 0.0 | S |
| 145.450 | 0.0000 | 0.0000 | 81,521 | 0.19160 | 0.00000 | 602892.1 | 448637.0 | 0.0 | S |
| 145.458 | 0.0000 | 0.0000 | 81.521 | 0.19159 | 0.00000 | 602892.1 | 448642.8 | 0.0 | S |
| 145.467 | 0.0000 | 0.0000 | 81.521 | 0.19158 | 0.00000 | 602892.1 | 448648.5 | 0.0 | S |
| 145.475 | 0.0000 | 0.0000 | 81.521 | 0.19157 | 0.00000 | 602892.1 | 448654.3 | 0.0 | S |
| 145.483 | 0.0000 | 0.0000 | 81.520 | 0.19156 | 0.00000 | 602892.1 | 448660.0 | 0.0 | S |
| 145.492 | 0.0000 | 0.0000 | 81.520 | 0.19155 | 0.00000 | 602892.1 | 448665.8 | 0.0 | S |
| 145.500 | 0.0000 | 0.0000 | 81.520 | 0.19153 | 0.00000 | 602892.1 | 448671.5 | 0.0 | S |
| 145.508 | 0.0000 | 0.0000 | 81.520 | 0.19152 | 0.00000 | 602892.1 | 448677.3 | 0.0 | S |
| 145.517 | 0.0000 | 0.0000 | 81.520 | 0.19151 | 0.00000 | 602892.1 | 448683.0 | 0.0 | S |
| 145.525 | 0.0000 | 0.0000 | 81.520 | 0.19150 | 0.00000 | 602892.1 | 448688.8 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 145.533 | 0.0000 | 0.0000 | 81.520 | 0.19149 | 0.00000 | 602892.1 | 448694.5 | 0.0 | S |
| 145.542 | 0.0000 | 0.0000 | 81.520 | 0.19148 | 0.00000 | 602892.1 | 448700.2 | 0.0 | S |
| 145.550 | 0.0000 | 0.0000 | 81.520 | 0.19147 | 0.00000 | 602892.1 | 448706.0 | 0.0 | S |
| 145.558 | 0.0000 | 0.0000 | 81.519 | 0.19145 | 0.00000 | 602892.1 | 448711.7 | 0.0 | S |
| 145.567 | 0.0000 | 0.0000 | 81.519 | 0.19144 | 0.00000 | 602892.1 | 448717.5 | 0.0 | S |
| 145.575 | 0.0000 | 0.0000 | 81.519 | 0.19143 | 0.00000 | 602892.1 | 448723.2 | 0.0 | S |
| 145.583 | 0.0000 | 0.0000 | 81.519 | 0.19142 | 0.00000 | 602892.1 | 448728.9 | 0.0 | S |
| 145.592 | 0.0000 | 0.0000 | 81.519 | 0.19141 | 0.00000 | 602892.1 | 448734.7 | 0.0 | S |
| 145.600 | 0.0000 | 0.0000 | 81.519 | 0.19140 | 0.00000 | 602892.1 | 448740.4 | 0.0 | S |
| 145.608 | 0.0000 | 0.0000 | 81.519 | 0.19139 | 0.00000 | 602892.1 | 448746.2 | 0.0 | S |
| 145.617 | 0.0000 | 0.0000 | 81.519 | 0.19138 | 0.00000 | 602892.1 | 448751.9 | 0.0 | S |
| 145.625 | 0.0000 | 0.0000 | 81.519 | 0.19136 | 0.00000 | 602892.1 | 448757.7 | 0.0 | S |
| 145.633 | 0.0000 | 0.0000 | 81.519 | 0.19135 | 0.00000 | 602892.1 | 448763.4 | 0.0 | S |
| 145.642 | 0.0000 | 0.0000 | 81.518 | 0.19134 | 0.00000 | 602892.1 | 448769.1 | 0.0 | S |
| 145.650 | 0.0000 | 0.0000 | 81.518 | 0.19133 | 0.00000 | 602892.1 | 448774.9 | 0.0 | S |
| 145.658 | 0.0000 | 0.0000 | 81.518 | 0.19132 | 0.00000 | 602892.1 | 448780.6 | 0.0 | S |
| 145.667 | 0.0000 | 0.0000 | 81.518 | 0.19131 | 0.00000 | 602892.1 | 448786.3 | 0.0 | S |
| 145.675 | 0.0000 | 0.0000 | 81.518 | 0.19130 | 0.00000 | 602892.1 | 448792.1 | 0.0 | S |
| 145.683 | 0.0000 | 0.0000 | 81.518 | 0.19129 | 0.00000 | 602892.1 | 448797.8 | 0.0 | S |
| 145.692 | 0.0000 | 0.0000 | 81.518 | 0.19127 | 0.00000 | 602892.1 | 448803.6 | 0.0 | S |
| 145.700 | 0.0000 | 0.0000 | 81.518 | 0.19126 | 0.00000 | 602892.1 | 448809.3 | 0.0 | S |
| 145.708 | 0.0000 | 0.0000 | 81.518 | 0.19125 | 0.00000 | 602892.1 | 448815.1 | 0.0 | S |
| 145.717 | 0.0000 | 0.0000 | 81.517 | 0.19124 | 0.00000 | 602892.1 | 448820.8 | 0.0 | S |
| 145.725 | 0.0000 | 0.0000 | 81.517 | 0.19123 | 0.00000 | 602892.1 | 448826.5 | 0.0 | S |
| 145.733 | 0.0000 | 0.0000 | 81.517 | 0.19122 | 0.00000 | 602892.1 | 448832.3 | 0.0 | S |
| 145.742 | 0.0000 | 0.0000 | 81.517 | 0.19121 | 0.00000 | 602892.1 | 448838.0 | 0.0 | S |
| 145.750 | 0.0000 | 0.0000 | 81.517 | 0.19119 | 0.00000 | 602892.1 | 448843.8 | 0.0 | S |
| 145.758 | 0.0000 | 0.0000 | 81.517 | 0.19118 | 0.00000 | 602892.1 | 448849.5 | 0.0 | S |
| 145.767 | 0.0000 | 0.0000 | 81.517 | 0.19117 | 0.00000 | 602892.1 | 448855.2 | 0.0 | S |
| 145.775 | 0.0000 | 0.0000 | 81.517 | 0.19116 | 0.00000 | 602892.1 | 448860.9 | 0.0 | S |
| 145.783 | 0.0000 | 0.0000 | 81.517 | 0.19115 | 0.00000 | 602892.1 | 448866.7 | 0.0 | S |
| 145.792 | 0.0000 | 0.0000 | 81.516 | 0.19114 | 0.00000 | 602892.1 | 448872.4 | 0.0 | S |
| 145.800 | 0.0000 | 0.0000 | 81.516 | 0.19113 | 0.00000 | 602892.1 | 448878.2 | 0.0 | S |
| 145.808 | 0.0000 | 0.0000 | 81.516 | 0.19112 | 0.00000 | 602892.1 | 448883.9 | 0.0 | S |
| 145.817 | 0.0000 | 0.0000 | 81.516 | 0.19110 | 0.00000 | 602892.1 | 448889.6 | 0.0 | S |
| 145.825 | 0.0000 | 0.0000 | 81.516 | 0.19109 | 0.00000 | 602892.1 | 448895.3 | 0.0 | S |
| 145.833 | 0.0000 | 0.0000 | 81.516 | 0.19108 | 0.00000 | 602892.1 | 448901.1 | 0.0 | S |
| 145.842 | 0.0000 | 0.0000 | 81.516 | 0.19107 | 0.00000 | 602892.1 | 448906.8 | 0.0 | S |
| 145.850 | 0.0000 | 0.0000 | 81.516 | 0.19106 | 0.00000 | 602892.1 | 448912.5 | 0.0 | S |
| 145.858 | 0.0000 | 0.0000 | 81.516 | 0.19105 | 0.00000 | 602892.1 | 448918.3 | 0.0 | S |
| 145.867 | 0.0000 | 0.0000 | 81.516 | 0.19104 | 0.00000 | 602892.1 | 448924.0 | 0.0 | S |
| 145.875 | 0.0000 | 0.0000 | 81.515 | 0.19103 | 0.00000 | 602892.1 | 448929.7 | 0.0 | S |
| 145.883 | 0.0000 | 0.0000 | 81.515 | 0.19101 | 0.00000 | 602892.1 | 448935.5 | 0.0 | S |
| 145.892 | 0.0000 | 0.0000 | 81.515 | 0.19100 | 0.00000 | 602892.1 | 448941.2 | 0.0 | S |
| 145.900 | 0.0000 | 0.0000 | 81.515 | 0.19099 | 0.00000 | 602892.1 | 448946.9 | 0.0 | S |
| 145.908 | 0.0000 | 0.0000 | 81.515 | 0.19098 | 0.00000 | 602892.1 | 448952.7 | 0.0 | S |
| 145.917 | 0.0000 | 0.0000 | 81.515 | 0.19097 | 0.00000 | 602892.1 | 448958.4 | 0.0 | S |
| 145.925 | 0.0000 | 0.0000 | 81.515 | 0.19096 | 0.00000 | 602892.1 | 448964.1 | 0.0 | S |
| 145.933 | 0.0000 | 0.0000 | 81.515 | 0.19095 | 0.00000 | 602892.1 | 448969.8 | 0.0 | S |
| 145.942 | 0.0000 | 0.0000 | 81.515 | 0.19094 | 0.00000 | 602892.1 | 448975.6 | 0.0 | S |
| 145.950 | 0.0000 | 0.0000 | 81.515 | 0.19092 | 0.00000 | 602892.1 | 448981.3 | 0.0 | S |
| 145.958 | 0.0000 | 0.0000 | 81.514 | 0.19091 | 0.00000 | 602892.1 | 448987.0 | 0.0 | S |
| 145.967 | 0.0000 | 0.0000 | 81.514 | 0.19090 | 0.00000 | 602892.1 | 448992.8 | 0.0 | S |
| 145.975 | 0.0000 | 0.0000 | 81.514 | 0.19089 | 0.00000 | 602892.1 | 448998.5 | 0.0 | S |
| 145.983 | 0.0000 | 0.0000 | 81.514 | 0.19088 | 0.00000 | 602892.1 | 449004.2 | 0.0 | S |
| 145.992 | 0.0000 | 0.0000 | 81.514 | 0.19087 | 0.00000 | 602892.1 | 449009.9 | 0.0 | S |
| 146.000 | 0.0000 | 0.0000 | 81.514 | 0.19086 | 0.00000 | 602892.1 | 449015.7 | 0.0 | S |
| 146.008 | 0.0000 | 0.0000 | 81.514 | 0.19085 | 0.00000 | 602892.1 | 449021.4 | 0.0 | S |
| 146.017 | 0.0000 | 0.0000 | 81.514 | 0.19083 | 0.00000 | 602892.1 | 449027.1 | 0.0 | S |
| 146.025 | 0.0000 | 0.0000 | 81.514 | 0.19082 | 0.00000 | 602892.1 | 449032.8 | 0.0 | S |
| 146.033 | 0.0000 | 0.0000 | 81.513 | 0.19081 | 0.00000 | 602892.1 | 449038.6 | 0.0 | S |
| 146.042 | 0.0000 | 0.0000 | 81.513 | 0.19080 | 0.00000 | 602892.1 | 449044.3 | 0.0 | S |
| 146.050 | 0.0000 | 0.0000 | 81.513 | 0.19079 | 0.00000 | 602892.1 | 449050.0 | 0.0 | S |
| 146.058 | 0.0000 | 0.0000 | 81.513 | 0.19078 | 0.00000 | 602892.1 | 449055.7 | 0.0 | S |
| 146.067 | 0.0000 | 0.0000 | 81.513 | 0.19077 | 0.00000 | 602892.1 | 449061.4 | 0.0 | S |
| 146.075 | 0.0000 | 0.0000 | 81.513 | 0.19076 | 0.00000 | 602892.1 | 449067.2 | 0.0 | S |
| 146.083 | 0.0000 | 0.0000 | 81.513 | 0.19074 | 0.00000 | 602892.1 | 449072.9 | 0.0 | S |
| 146.092 | 0.0000 | 0.0000 | 81.513 | 0.19073 | 0.00000 | 602892.1 | 449078.6 | 0.0 | S |
| 146.100 | 0.0000 | 0.0000 | 81.513 | 0.19072 | 0.00000 | 602892.1 | 449084.3 | 0.0 | S |
| 146.108 | 0.0000 | 0.0000 | 81.513 | 0.19071 | 0.00000 | 602892.1 | 449090.1 | 0.0 | S |
| 146.117 | 0.0000 | 0.0000 | 81.512 | 0.19070 | 0.00000 | 602892.1 | 449095.8 | 0.0 | S |
| 146.125 | 0.0000 | 0.0000 | 81.512 | 0.19069 | 0.00000 | 602892.1 | 449101.5 | 0.0 | S |
| 146.133 | 0.0000 | 0.0000 | 81.512 | 0.19068 | 0.00000 | 602892.7 | 449107.2 | 0.0 | S |
| 146.142 | 0.0000 | 0.0000 | 81.512 | 0.19067 | 0.00000 | 602892.1 | 449112.9 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | inflow Rate ( $\mathrm{ft}^{3 / 3}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 146.150 | 0.0000 | 0.0000 | 81.512 | 0.19065 | 0.00000 | 602892.1 | 449118.7 | 0.0 | S |
| 146.158 | 0.0000 | 0.0000 | 81.512 | 0.19064 | 0.00000 | 602892.1 | 449124.4 | 0.0 | S |
| 146.167 | 0.0000 | 0.0000 | 81.512 | 0.19063 | 0.00000 | 602892.1 | 449130.1 | 0.0 | S |
| 146.175 | 0.0000 | 0.0000 | 81.512 | 0.19062 | 0.00000 | 602892.1 | 449135.8 | 0.0 | S |
| 146.183 | 0.0000 | 0.0000 | 81.512 | 0.19061 | 0.00000 | 602892.1 | 449141.5 | 0.0 | S |
| 146.192 | 0.0000 | 0.0000 | 81.511 | 0.19060 | 0.00000 | 602892.1 | 449147.3 | 0.0 | S |
| 146.200 | 0.0000 | 0.0000 | 81.517 | 0.19059 | 0.00000 | 602892.1 | 449153.0 | 0.0 | S |
| 146.208 | 0.0000 | 0.0000 | 81.511 | 0.19058 | 0.00000 | 602892.1 | 449158.7 | 0.0 | S |
| 146.217 | 0.0000 | 0.0000 | 81.511 | 0.19057 | 0.00000 | 602892.1 | 449164.4 | 0.0 | S |
| 146.225 | 0.0000 | 0.0000 | 81.511 | 0.19055 | 0.00000 | 602892.1 | 449170.1 | 0.0 | S |
| 146.233 | 0.0000 | 0.0000 | 81.511 | 0.19054 | 0.00000 | 602892.1 | 449175.8 | 0.0 | S |
| 146.242 | 0.0000 | 0.0000 | 81.511 | 0.19053 | 0.00000 | 602892.1 | 449181.6 | 0.0 | S |
| 146.250 | 0.0000 | 0.0000 | 81.511 | 0.19052 | 0.00000 | 602892.1 | 449187.3 | 0.0 | S |
| 146.258 | 0.0000 | 0.0000 | 81.511 | 0.19051 | 0.00000 | 602892.1 | 449193.0 | 0.0 | S |
| 146.267 | 0.0000 | 0.0000 | 81.511 | 0.19050 | 0.00000 | 602892.1 | 449198.7 | 0.0 | S |
| 146.275 | 0.0000 | 0.0000 | 81.510 | 0.19049 | 0.00000 | 602892.1 | 449204.4 | 0.0 | S |
| 146.283 | 0.0000 | 0.0000 | 81.510 | 0.19048 | 0.00000 | 602892.1 | 449210.1 | 0.0 | S |
| 146.292 | 0.0000 | 0.0000 | 81.510 | 0.19046 | 0.00000 | 602892.1 | 449215.8 | 0.0 | S |
| 146.300 | 0.0000 | 0.0000 | 81.510 | 0.19045 | 0.00000 | 602892.1 | 449221.6 | 0.0 | S |
| 146.308 | 0.0000 | 0.0000 | 81.510 | 0.19044 | 0.00000 | 602892.1 | 449227.3 | 0.0 | S |
| 146.317 | 0.0000 | 0.0000 | 81.510 | 0.19043 | 0.00000 | 602892.1 | 449233.0 | 0.0 | S |
| 146.325 | 0.0000 | 0.0000 | 81.510 | 0.19042 | 0.00000 | 602892.1 | 449238.7 | 0.0 | S |
| 146.333 | 0.0000 | 0.0000 | 81.510 | 0.19041 | 0.00000 | 602892.1 | 449244.4 | 0.0 | S |
| 146.342 | 0.0000 | 0.0000 | 81.510 | 0.19040 | 0.00000 | 602892.1 | 449250.1 | 0.0 | S |
| 146.350 | 0.0000 | 0.0000 | 81.509 | 0.19039 | 0.00000 | 602892.1 | 449255.8 | 0.0 | S |
| 146.358 | 0.0000 | 0.0000 | 81.509 | 0.19037 | 0.00000 | 602892.1 | 449261.6 | 0.0 | S |
| 146.367 | 0.0000 | 0.0000 | 81.509 | 0.19036 | 0.00000 | 602892.1 | 449267.3 | 0.0 | S |
| 146.375 | 0.0000 | 0.0000 | 81.509 | 0.19035 | 0.00000 | 602892.1 | 449273.0 | 0.0 | S |
| 146.383 | 0.0000 | 0.0000 | 81.509 | 0.19034 | 0.00000 | 602892.7 | 449278.7 | 0.0 | S |
| 146.392 | 0.0000 | 0.0000 | 81.509 | 0.19033 | 0.00000 | 602892.1 | 449284.4 | 0.0 | S |
| 146.400 | 0.0000 | 0.0000 | 81.509 | 0.19032 | 0.00000 | 602892.1 | 449290.1 | 0.0 | S |
| 146.408 | 0.0000 | 0.0000 | 81.509 | 0.19031 | 0.00000 | 602892.1 | 449295.8 | 0.0 | S |
| \$46.417 | 0.0000 | 0.0000 | 81.509 | 0.19030 | 0.00000 | 602892.1 | 449301.5 | 0.0 | S |
| 146.425 | 0.0000 | 0.0000 | 81.509 | 0.19029 | 0.00000 | 602892.1 | 449307.2 | 0.0 | S |
| 146.433 | 0.0000 | 0.0000 | 81.508 | 0.19027 | 0.00000 | 602892.1 | 449312.9 | 0.0 | S |
| 146.442 | 0.0000 | 0.0000 | 81.508 | 0.19026 | 0.00000 | 602892.1 | 449318.7 | 0.0 | S |
| 146.450 | 0.0000 | 0.0000 | 81.508 | 0.19025 | 0.00000 | 602892.1 | 449324.3 | 0.0 | S |
| 146.458 | 0.0000 | 0.0000 | 81.508 | 0.19024 | 0.00000 | 602892.1 | 449330.1 | 0.0 | S |
| 146.467 | 0.0000 | 0.0000 | 81.508 | 0.19023 | 0.00000 | 602892.1 | 449335.8 | 0.0 | S |
| 146.475 | 0.0000 | 0.0000 | 81.508 | 0.19022 | 0.00000 | 602892.1 | 449341.5 | 0.0 | S |
| 146.483 | 0.0000 | 0.0000 | 81.508 | 0.19021 | 0.00000 | 602892.1 | 449347.2 | 0.0 | S |
| 146.492 | 0.0000 | 0.0000 | 81.508 | 0.19020 | 0.00000 | 602892.1 | 449352.9 | 0.0 | S |
| 146.500 | 0.0000 | 0.0000 | 81.508 | 0.19018 | 0.00000 | 602892.1 | 449358.6 | 0.0 | S |
| 146.508 | 0.0000 | 0.0000 | 81.507 | 0.19017 | 0.00000 | 602892.1 | 449364.3 | 0.0 | S |
| 146.517 | 0.0000 | 0.0000 | 81.507 | 0.19016 | 0.00000 | 602892.1 | 449370.0 | 0.0 | S |
| 146.525 | 0.0000 | 0.0000 | 81.507 | 0.19015 | 0.00000 | 602892.1 | 449375.7 | 0.0 | S |
| 146.533 | 0.0000 | 0.0000 | 81.507 | 0.19014 | 0.00000 | 602892.1 | 449381.4 | 0.0 | S |
| 146.542 | 0.0000 | 0.0000 | 81.507 | 0.19013 | 0.00000 | 602892.1 | 449387.1 | 0.0 | S |
| 146.550 | 0.0000 | 0.0000 | 81.507 | 0.19012 | 0.00000 | 602892.1 | 449392.8 | 0.0 | S |
| 146.558 | 0.0000 | 0.0000 | 81.507 | 0.19011 | 0.00000 | 602892.1 | 449398.5 | 0.0 | S |
| 146.567 | 0.0000 | 0.0000 | 81.507 | 0.19010 | 0.00000 | 602892.1 | 449404.2 | 0.0 | S |
| 146.575 | 0.0000 | 0.0000 | 81.507 | 0.19008 | 0.00000 | 602892.1 | 449409.9 | 0.0 | S |
| 146.583 | 0.0000 | 0.0000 | 81.507 | 0.19007 | 0.00000 | 602892.1 | 449415.6 | 0.0 | S |
| 146.592 | 0.0000 | 0.0000 | 81.506 | 0.19006 | 0.00000 | 602892.1 | 449421.3 | 0.0 | S |
| 146.600 | 0.0000 | 0.0000 | 81.506 | 0.19005 | 0.00000 | 602892.1 | 449427.0 | 0.0 | S |
| 146.608 | 0.0000 | 0.0000 | 81.506 | 0.19004 | 0.00000 | 602892.1 | 449432.8 | 0.0 | S |
| 146.617 | 0.0000 | 0.0000 | 81.506 | 0.19003 | 0.00000 | 602892.1 | 449438.4 | 0.0 | S |
| 146.625 | 0.0000 | 0.0000 | 81.506 | 0.19002 | 0.00000 | 602892.1 | 449444.1 | 0.0 | S |
| 146.633 | 0.0000 | 0.0000 | 81.506 | 0.19001 | 0.00000 | 602892.1 | 449449.8 | 0.0 | S |
| 146.642 | 0.0000 | 0.0000 | 81.506 | 0.18999 | 0.00000 | 602892.1 | 449455.5 | 0.0 | S |
| 146.650 | 0.0000 | 0.0000 | 81.506 | 0.18998 | 0.00000 | 602892.1 | 449461.3 | 0.0 | S |
| 146.658 | 0.0000 | 0.0000 | 81.506 | 0.18997 | 0.00000 | 602892.1 | 449466.9 | 0.0 | S |
| 146.667 | 0.0000 | 0.0000 | 81.505 | 0.18996 | 0.00000 | 602892.1 | 449472.6 | 0.0 | S |
| 146.675 | 0.0000 | 0.0000 | 81.505 | 0.18995 | 0.00000 | 602892.1 | 449478.3 | 0.0 | S |
| 146.683 | 0.0000 | 0.0000 | 81.505 | 0.18994 | 0.00000 | 602892.1 | 449484.0 | 0.0 | S |
| 146.692 | 0.0000 | 0.0000 | 81.505 | 0.18993 | 0.00000 | 602892.1 | 449489.7 | 0.0 | S |
| 146.700 | 0.0000 | 0.0000 | 81.505 | 0.18992 | 0.00000 | 602892.1 | 449495.4 | 0.0 | S |
| 146.708 | 0.0000 | 0.0000 | 81.505 | 0.18991 | 0.00000 | 602892.1 | 449501.1 | 0.0 | S |
| 146.717 | 0.0000 | 0.0000 | 81.505 | 0.18989 | 0.00000 | 602892.1 | 449506.8 | 0.0 | S |
| 146.725 | 0.0000 | 0.0000 | 81.505 | 0.18988 | 0.00000 | 602892.1 | 449512.5 | 0.0 | S |
| 146.733 | 0.0000 | 0.0000 | 81.505 | 0.18987 | 0.00000 | 602892.1 | 449518.2 | 0.0 | S |
| 146.742 | 0.0000 | 0.0000 | 81.505 | 0.18986 | 0.00000 | 602892.1 | 449523.9 | 0.0 | S |
| 146.750 | 0.0000 | 0.0000 | 81.504 | 0.18985 | 0.00000 | 602892.1 | 449529.6 | 0.0 | S |
| 146.758 | 0.0000 | 0.0000 | 81.504 | 0.18984 | 0.00000 | 602892.1 | 449535.3 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate (ft/s) | Outside Recharge (ftday) | Stage Elevation (H datum) | Infiltration Rate (f13/s) | Overfiow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumutative Inflow Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{t}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 146.767 | 0.0000 | 0.0000 | 81.504 | 0.18983 | 0.00000 | 602892.1 | 449541.0 | 0.0 | S |
| 146.775 | 0.0000 | 0.0000 | 81.504 | 0.18982 | 0.00000 | 602892.1 | 449546.7 | 0.0 | S |
| 146.783 | 0.0000 | 0.0000 | 81.504 | 0.18981 | 0.00000 | 602892.1 | 449552.4 | 0.0 | S |
| 146.792 | 0.0000 | 0.0000 | 81.504 | 0.18979 | 0.00000 | 602892.1 | 449558.1 | 0.0 | S |
| 146.800 | 0.0000 | 0.0000 | 81.504 | 0.18978 | 0.00000 | 602892.1 | 449563.8 | 0.0 | S |
| 146.808 | 0.0000 | 0.0000 | 81.504 | 0.18977 | 0.00000 | 602892.1 | 449569.5 | 0.0 | S |
| 146.817 | 0.0000 | 0.0000 | 81.504 | 0.18976 | 0.00000 | 602892.1 | 449575.2 | 0.0 | S |
| 146.825 | 0.0000 | 0.0000 | 81.503 | 0.18975 | 0.00000 | 602892.1 | 449580.8 | 0.0 | S |
| 146.833 | 0.0000 | 0.0000 | 81.503 | 0.18974 | 0.00000 | 602892.1 | 449586.6 | 0.0 | S |
| 146.842 | 0.0000 | 0.0000 | 81.503 | 0.18973 | 0.00000 | 602892.1 | 449592.3 | 0.0 | S |
| 146.850 | 0.0000 | 0.0000 | 81.503 | 0.18972 | 0.00000 | 602892.1 | 449597.9 | 0.0 | S |
| 146.858 | 0.0000 | 0.0000 | 81.503 | 0.18971 | 0.00000 | 602892.1 | 449603.6 | 0.0 | S |
| 146.867 | 0.0000 | 0.0000 | 81.503 | 0.18969 | 0.00000 | 602892.1 | 449609.3 | 0.0 | S |
| 146.875 | 0.0000 | 0.0000 | 81.503 | 0.18968 | 0.00000 | 602892.1 | 449615.0 | 0.0 | S |
| 146.883 | 0.0000 | 0.0000 | 81.503 | 0.18967 | 0.00000 | 602892.1 | 449620.7 | 0.0 | S |
| 146.892 | 0.0000 | 0.0000 | 81.503 | 0.18966 | 0.00000 | 602892.1 | 449626.4 | 0.0 | S |
| 146.900 | 0.0000 | 0.0000 | 81.503 | 0.18965 | 0.00000 | 602892.1 | 449632.1 | 0.0 | S |
| 146.908 | 0.0000 | 0.0000 | 81.502 | 0.18964 | 0.00000 | 602892.1 | 449637.8 | 0.0 | S |
| 146.917 | 0.0000 | 0.0000 | 81.502 | 0.18963 | 0.00000 | 602892.1 | 449643.4 | 0.0 | S |
| 146.925 | 0.0000 | 0.0000 | 81.502 | 0.18962 | 0.00000 | 602892.1 | 449649.2 | 0.0 | S |
| 146.933 | 0.0000 | 0.0000 | 81.502 | 0.18961 | 0.00000 | 602892.1 | 449654.8 | 0.0 | S |
| 146.942 | 0.0000 | 0.0000 | 81.502 | 0.18959 | 0.00000 | 602892.1 | 449660.5 | 0.0 | S |
| 146.950 | 0.0000 | 0.0000 | 81.502 | 0.18958 | 0.00000 | 602892.1 | 449666.2 | 0.0 | S |
| 146.958 | 0.0000 | 0.0000 | 81.502 | 0.18957 | 0.00000 | 602892.1 | 449671.9 | 0.0 | S |
| 146.967 | 0.0000 | 0.0000 | 81.502 | 0.18956 | 0.00000 | 602892.1 | 449677.6 | 0.0 | S |
| 146.975 | 0.0000 | 0.0000 | 81.502 | 0.18955 | 0.00000 | 602892.1 | 449683.3 | 0.0 | S |
| 146.983 | 0.0000 | 0.0000 | 81.501 | 0.18954 | 0.00000 | 602892.1 | 449688.9 | 0.0 | S |
| 146.992 | 0.0000 | 0.0000 | 81.501 | 0.18953 | 0.00000 | 602892.1 | 449694.6 | 0.0 | S |
| 147.000 | 0.0000 | 0.0000 | 81.501 | 0.18952 | 0.00000 | 602892.1 | 449700.3 | 0.0 | S |
| 147.008 | 0.0000 | 0.0000 | 81.501 | 0.18951 | 0.00000 | 602892.1 | 449706.0 | 0.0 | S |
| 147.017 | 0.0000 | 0.0000 | 81.501 | 0.18949 | 0.00000 | 602892.1 | 449711.7 | 0.0 | S |
| 147.025 | 0.0000 | 0.0000 | 81.501 | 0.18948 | 0.00000 | 602892.1 | 449717.4 | 0.0 | S |
| 147.033 | 0.0000 | 0.0000 | 81.501 | 0.18947 | 0.00000 | 602892.1 | 449723.1 | 0.0 | S |
| 147.042 | 0.0000 | 0.0000 | 81.501 | 0.18946 | 0.00000 | 602892.1 | 449728.8 | 0.0 | S |
| 147.050 | 0.0000 | 0.0000 | 81.501 | 0.18945 | 0.00000 | 602892.1 | 449734.4 | 0.0 | S |
| 147.058 | 0.0000 | 0.0000 | 81.501 | 0.18944 | 0.00000 | 602892.1 | 449740.1 | 0.0 | S |
| 147.067 | 0.0000 | 0.0000 | 81.500 | 0.18943 | 0.00000 | 602892.1 | 449745.8 | 0.0 | S |
| 147.075 | 0.0000 | 0.0000 | 81.500 | 0.18942 | 0.00000 | 602892.1 | 449751.5 | 0.0 | S |
| 147.083 | 0.0000 | 0.0000 | 81.500 | 0.18941 | 0.00000 | 602892.1 | 449757.2 | 0.0 | S |
| 147.092 | 0.0000 | 0.0000 | 81.500 | 0.18939 | 0.00000 | 602892.1 | 449762.8 | 0.0 | S |
| 147.100 | 0.0000 | 0.0000 | 81.500 | 0.18938 | 0.00000 | 602892.1 | 449768.5 | 0.0 | S |
| 147.108 | 0.0000 | 0.0000 | 81.500 | 0.18937 | 0.00000 | 602892.1 | 449774.2 | 0.0 | S |
| 147.117 | 0.0000 | 0.0000 | 81.500 | 0.18936 | 0.00000 | 602892.1 | 449779.9 | 0.0 | S |
| 147.125 | 0.0000 | 0.0000 | 81.500 | 0.18935 | 0.00000 | 602892.1 | 449785.6 | 0.0 | S |
| 147.133 | 0.0000 | 0.0000 | 81.500 | 0.18934 | 0.00000 | 602892.1 | 449791.3 | 0.0 | S |
| 147.142 | 0.0000 | 0.0000 | 81.500 | 0.18933 | 0.00000 | 602892.1 | 449796.9 | 0.0 | S |
| 147.150 | 0.0000 | 0.0000 | 81.499 | 0.18932 | 0.00000 | 602892.1 | 449802.6 | 0.0 | S |
| 147.158 | 0.0000 | 0.0000 | 81.499 | 0.18931 | 0.00000 | 602892.1 | 449808.3 | 0.0 | S |
| 147.167 | 0.0000 | 0.0000 | 81.499 | 0.18929 | 0.00000 | 602892.1 | 449814.0 | 0.0 | S |
| 147.175 | 0.0000 | 0.0000 | 81.499 | 0.18928 | 0.00000 | 602892.1 | 449819.7 | 0.0 | S |
| 147.183 | 0.0000 | 0.0000 | 81.499 | 0.18927 | 0.00000 | 602892.1 | 449825.3 | 0.0 | S |
| 147.192 | 0.0000 | 0.0000 | 81.499 | 0.18926 | 0.00000 | 602892.1 | 449831.0 | 0.0 | S |
| 147.200 | 0.0000 | 0.0000 | 81.499 | 0.18925 | 0.00000 | 602892.1 | 449836.7 | 0.0 | S |
| 147.208 | 0.0000 | 0.0000 | 81.499 | 0.18924 | 0.00000 | 602892.1 | 449842.3 | 0.0 | S |
| 147.217 | 0.0000 | 0.0000 | 81.499 | 0.18923 | 0.00000 | 602892.1 | 449848.0 | 0.0 | S |
| 147.225 | 0.0000 | 0.0000 | 81.498 | 0.18922 | 0.00000 | 602892.1 | 449853.7 | 0.0 | S |
| 147.233 | 0.0000 | 0.0000 | 81.498 | 0.18921 | 0.00000 | 602892.1 | 449859.4 | 0.0 | S |
| 147.242 | 0.0000 | 0.0000 | 81.498 | 0.18920 | 0.00000 | 602892.1 | 449865.1 | 0.0 | S |
| 147.250 | 0.0000 | 0.0000 | 81.498 | 0.18918 | 0.00000 | 602892.1 | 449870.8 | 0.0 | S |
| 147.258 | 0.0000 | 0.0000 | 81.498 | 0.18917 | 0.00000 | 602892.1 | 449876.4 | 0.0 | S |
| 147.267 | 0.0000 | 0.0000 | 81.498 | 0.18916 | 0.00000 | 602892.1 | 449882.1 | 0.0 | S |
| 147.275 | 0.0000 | 0.0000 | 81.498 | 0.18915 | 0.00000 | 602892.1 | 449887.8 | 0.0 | S |
| 147.283 | 0.0000 | 0.0000 | 81.498 | 0.18914 | 0.00000 | 602892.1 | 449893.4 | 0.0 | S |
| 147.292 | 0.0000 | 0.0000 | 81.498 | 0.18913 | 0.00000 | 602892.1 | 449899.1 | 0.0 | S |
| 147.300 | 0.0000 | 0.0000 | 81.498 | 0.18912 | 0.00000 | 602892.1 | 449904.8 | 0.0 | S |
| 147.308 | 0.0000 | 0.0000 | 81.497 | 0.18911 | 0.00000 | 602892.1 | 449910.5 | 0.0 | S |
| 147.317 | 0.0000 | 0.0000 | 81.497 | 0.18910 | 0.00000 | 602892.1 | 449916.1 | 0.0 | S |
| 147.325 | 0.0000 | 0.0000 | 81.497 | 0.18908 | 0.00000 | 602892.1 | 449921.8 | 0.0 | S |
| 147.333 | 0.0000 | 0.0000 | 81.497 | 0.18907 | 0.00000 | 602892.1 | 449927.5 | 0.0 | S |
| 147.342 | 0.0000 | 0.0000 | 81.497 | 0.18906 | 0.00000 | 602892.1 | 449933.2 | 0.0 | S |
| 147.350 | 0.0000 | 0.0000 | 81.497 | 0.18905 | 0.00000 | 602892.1 | 449938.8 | 0.0 | S |
| 147.358 | 0.0000 | 0.0000 | 81.497 | 0.18904 | 0.00000 | 602892.1 | 449944.5 | 0.0 | S |
| 147.367 | 0.0000 | 0.0000 | 81.497 | 0.18903 | 0.00000 | 602892.1 | 449950.2 | 0.0 | S |
| 147.375 | 0.0000 | 0.0000 | 81.497 | 0.18902 | 0.00000 | 602892.1 | 449955.8 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year $/ 24$ hour routing with pond 10 overflow

| Elapsed Time (hours) | inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation ( f datum) | Infiltration Rate ( $\mathrm{H}^{3 /} / \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume $\left(\mathrm{t}^{3}\right)$ | Fiow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 147.383 | 0.0000 | 0.0000 | 81.496 | 0.18901 | 0.00000 | 602892.1 | 449961.5 | 0.0 | S |
| 147.392 | 0.0000 | 0.0000 | 81.496 | 0.18900 | 0.00000 | 602892.1 | 449967.2 | 0.0 | S |
| 147.400 | 0.0000 | 0.0000 | 81.496 | 0.18899 | 0.00000 | 602892.1 | 449972.8 | 0.0 | S |
| 147.408 | 0.0000 | 0.0000 | 81.496 | 0.18897 | 0.00000 | 602892.1 | 449978.5 | 0.0 | S |
| 147.417 | 0.0000 | 0.0000 | 81.496 | 0.18896 | 0.00000 | 602892.1 | 449984.2 | 0.0 | S |
| 147.425 | 0.0000 | 0.0000 | 81.496 | 0.18895 | 0.00000 | 602892.1 | 449989.8 | 0.0 | S |
| 147.433 | 0.0000 | 0.0000 | 81.496 | 0.18894 | 0.00000 | 602892.1 | 449995.5 | 0.0 | S |
| 147.442 | 0.0000 | 0.0000 | 81.496 | 0.18893 | 0.00000 | 602892.1 | 450001.2 | 0.0 | S |
| 147.450 | 0.0000 | 0.0000 | 81.496 | 0.18892 | 0.00000 | 602892.1 | 450006.8 | 0.0 | S |
| 147.458 | 0.0000 | 0.0000 | 81.496 | 0.18891 | 0.00000 | 602892.1 | 450012.5 | 0.0 | S |
| 147.467 | 0.0000 | 0.0000 | 81.495 | 0.18890 | 0.00000 | 602892.1 | 450018.2 | 0.0 | S |
| 147.475 | 0.0000 | 0.0000 | 81.495 | 0.18889 | 0.00000 | 602892.1 | 450023.8 | 0.0 | S |
| 147.483 | 0.0000 | 0.0000 | 81.495 | 0.18887 | 0.00000 | 602892.1 | 450029.5 | 0.0 | S |
| 147.492 | 0.0000 | 0.0000 | 81.495 | 0.18886 | 0.00000 | 602892.1 | 450035.2 | 0.0 | S |
| 147.500 | 0.0000 | 0.0000 | 81.495 | 0.18885 | 0.00000 | 602892.1 | 450040.8 | 0.0 | S |
| 147.508 | 0.0000 | 0.0000 | 81.495 | 0.18884 | 0.00000 | 602892.1 | 450046.5 | 0.0 | S |
| 147.517 | 0.0000 | 0.0000 | 81.495 | 0.18883 | 0.00000 | 602892.1 | 450052.2 | 0.0 | S |
| 147.525 | 0.0000 | 0.0000 | 81.495 | 0.18882 | 0.00000 | 602892.1 | 450057.8 | 0.0 | S |
| 147.533 | 0.0000 | 0.0000 | 81.495 | 0.18881 | 0.00000 | 602892.1 | 450063.5 | 0.0 | S |
| 147.542 | 0.0000 | 0.0000 | 81.494 | 0.18880 | 0.00000 | 602892.1 | 450069.2 | 0.0 | S |
| 147.550 | 0.0000 | 0.0000 | 81.494 | 0.18879 | 0.00000 | 602892.1 | 450074.8 | 0.0 | S |
| 147.558 | 0.0000 | 0.0000 | 81.494 | 0.18878 | 0.00000 | 602892.1 | 450080.5 | 0.0 | S |
| 147.567 | 0.0000 | 0.0000 | 81.494 | 0.18876 | 0.00000 | 602892.1 | 450086.2 | 0.0 | S |
| 147.575 | 0.0000 | 0.0000 | 81.494 | 0.18875 | 0.00000 | 602892.1 | 450091.8 | 0.0 | S |
| 147.583 | 0.0000 | 0.0000 | 81.494 | 0.18874 | 0.00000 | 602892.1 | 450097.5 | 0.0 | S |
| 147.592 | 0.0000 | 0.0000 | 81.494 | 0.18873 | 0.00000 | 602892.1 | 450103.2 | 0.0 | S |
| 147.600 | 0.0000 | 0.0000 | 81.494 | 0.18872 | 0.00000 | 602892.1 | 450108.8 | 0.0 | S |
| 147.608 | 0.0000 | 0.0000 | 81.494 | 0.18871 | 0.00000 | 602892.1 | 450114.5 | 0.0 | S |
| 147.617 | 0.0000 | 0.0000 | 81.494 | 0.18870 | 0.00000 | 602892.1 | 450120.2 | 0.0 | S |
| 147.625 | 0.0000 | 0.0000 | 81.493 | 0.18869 | 0.00000 | 602892.1 | 450125.8 | 0.0 | S |
| 147.633 | 0.0000 | 0.0000 | 81.493 | 0.18868 | 0.00000 | 602892.1 | 450131.5 | 0.0 | S |
| 147.642 | 0.0000 | 0.0000 | 81.493 | 0.18867 | 0.00000 | 602892.1 | 450137.1 | 0.0 | S |
| 147.650 | 0.0000 | 0.0000 | 81.493 | 0.18865 | 0.00000 | 602892.1 | 450142.8 | 0.0 | S |
| 147.658 | 0.0000 | 0.0000 | 81.493 | 0.18864 | 0.00000 | 602892.1 | 450148.4 | 0.0 | S |
| 147.667 | 0.0000 | 0.0000 | 81.493 | 0.18863 | 0.00000 | 602892.1 | 450154.1 | 0.0 | S |
| 147.675 | 0.0000 | 0.0000 | 81.493 | 0.18862 | 0.00000 | 602892.1 | 450159.8 | 0.0 | S |
| 147.683 | 0.0000 | 0.0000 | 81.493 | 0.18861 | 0.00000 | 602892.1 | 450165.4 | 0.0 | S |
| 147.692 | 0.0000 | 0.0000 | 81.493 | 0.18860 | 0.00000 | 602892.1 | 450171.1 | 0.0 | S |
| 147.700 | 0.0000 | 0.0000 | 81.493 | 0.18859 | 0.00000 | 602892.1 | 450176.8 | 0.0 | S |
| 147.708 | 0.0000 | 0.0000 | 81.492 | 0.18858 | 0.00000 | 602892.1 | 450182.4 | 0.0 | S |
| 147.717 | 0.0000 | 0.0000 | 81.492 | 0.18857 | 0.00000 | 602892.1 | 450188.1 | 0.0 | S |
| 147.725 | 0.0000 | 0.0000 | 81.492 | 0.18856 | 0.00000 | 602892.1 | 450193.7 | 0.0 | S |
| 147.733 | 0.0000 | 0.0000 | 81.492 | 0.18854 | 0.00000 | 602892.1 | 450199.4 | 0.0 | S |
| 147.742 | 0.0000 | 0.0000 | 81.492 | 0.18853 | 0.00000 | 602892.1 | 450205.0 | 0.0 | S |
| 147.750 | 0.0000 | 0.0000 | 81.492 | 0.18852 | 0.00000 | 602892.1 | 450210.7 | 0.0 | S |
| 147.758 | 0.0000 | 0.0000 | 81.492 | 0.18851 | 0.00000 | 602892.1 | 450216.3 | 0.0 | S |
| 147.767 | 0.0000 | 0.0000 | 81.492 | 0.18850 | 0.00000 | 602892.1 | 450222.0 | 0.0 | S |
| 147.775 | 0.0000 | 0.0000 | 81.492 | 0.18849 | 0.00000 | 602892.1 | 450227.6 | 0.0 | S |
| 147.783 | 0.0000 | 0.0000 | 81.491 | 0.18848 | 0.00000 | 602892.1 | 450233.3 | 0.0 | S |
| 147.792 | 0.0000 | 0.0000 | 81.491 | 0.18847 | 0.00000 | 602892.1 | 450238.9 | 0.0 | S |
| 147.800 | 0.0000 | 0.0000 | 81.491 | 0.18846 | 0.00000 | 602892.1 | 450244.6 | 0.0 | S |
| 147.808 | 0.0000 | 0.0000 | 81.491 | 0.18845 | 0.00000 | 602892.1 | 450250.3 | 0.0 | S |
| 147.817 | 0.0000 | 0.0000 | 81.491 | 0.18843 | 0.00000 | 602892.1 | 450255.9 | 0.0 | S |
| 147.825 | 0.0000 | 0.0000 | 81.491 | 0.18842 | 0.00000 | 602892.1 | 450261.6 | 0.0 | S |
| 147.833 | 0.0000 | 0.0000 | 81.491 | 0.18841 | 0.00000 | 602892.1 | 450267.2 | 0.0 | S |
| 147.842 | 0.0000 | 0.0000 | 81.491 | 0.18840 | 0.00000 | 602892.1 | 450272.9 | 0.0 | S |
| 147.850 | 0.0000 | 0.0000 | 81.491 | 0.18839 | 0.00000 | 602892.1 | 450278.5 | 0.0 | S |
| 147.858 | 0.0000 | 0.0000 | 81.491 | 0.18838 | 0.00000 | 602892.1 | 450284.2 | 0.0 | S |
| 147.867 | 0.0000 | 0.0000 | 81.490 | 0.18837 | 0.00000 | 602892.1 | 450289.8 | 0.0 | S |
| 147.875 | 0.0000 | 0.0000 | 81.490 | 0.18836 | 0.00000 | 602892.1 | 450295.5 | 0.0 | S |
| 147.883 | 0.0000 | 0.0000 | 81.490 | 0.18835 | 0.00000 | 602892.1 | 450301.1 | 0.0 | S |
| 147.892 | 0.0000 | 0.0000 | 81.490 | 0.18834 | 0.00000 | 602892.1 | 450306.8 | 0.0 | S |
| \$47.900 | 0.0000 | 0.0000 | 81.490 | 0.18832 | 0.00000 | 602892.1 | 450312.4 | 0.0 | S |
| 147.908 | 0.0000 | 0.0000 | 81.490 | 0.18831 | 0.00000 | 602892.1 | 450318.1 | 0.0 | S |
| 147.917 | 0.0000 | 0.0000 | 81.490 | 0.18830 | 0.00000 | 602892.1 | 450323.7 | 0.0 | S |
| 147.925 | 0.0000 | 0.0000 | 81.490 | 0.18829 | 0.00000 | 602892.1 | 450329.4 | 0.0 | S |
| 147.933 | 0.0000 | 0.0000 | 81.490 | 0.18828 | 0.00000 | 602892.1 | 450335.0 | 0.0 | S |
| 147.942 | 0.0000 | 0.0000 | 81.489 | 0.18827 | 0.00000 | 602892.1 | 450340.7 | 0.0 | S |
| 147.950 | 0.0000 | 0.0000 | 81.489 | 0.18826 | 0.00000 | 602892.1 | 450346.3 | 0.0 | S |
| 147.958 | 0.0000 | 0.0000 | 81.489 | 0.18825 | 0.00000 | 602892.1 | 450352.0 | 0.0 | S |
| 147.967 | 0.0000 | 0.0000 | 81.489 | 0.18824 | 0.00000 | 602892.1 | 450357.6 | 0.0 | S |
| 147.975 | 0.0000 | 0.0000 | 81.489 | 0.18823 | 0.00000 | 602892.1 | 450363.3 | 0.0 | S |
| 147.983 | 0.0000 | 0.0000 | 81.489 | 0.18821 | 0.00000 | 602892.1 | 450368.9 | 0.0 | S |
| 147.992 | 0.0000 | 0.0000 | 81.489 | 0.18820 | 0.00000 | 602892.1 | 450374.6 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (H/day) | Stage Elevation (f datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{t}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 148.000 | 0.0000 | 0.0000 | 81.489 | 0.18819 | 0.00000 | 602892.1 | 450380,2 | 0.0 | S |
| 148.008 | 0.0000 | 0.0000 | 81.489 | 0.18818 | 0.00000 | 602892.1 | 450385.8 | 0.0 | S |
| 148.017 | 0.0000 | 0.0000 | 81.489 | 0.18817 | 0.00000 | 602892.1 | 450391.5 | 0.0 | S |
| 148.025 | 0.0000 | 0.0000 | 81.488 | 0.18816 | 0.00000 | 602892.1 | 450397.1 | 0.0 | S |
| 148.033 | 0.0000 | 0.0000 | 81.488 | 0.18815 | 0.00000 | 602892.1 | 450402.8 | 0.0 | S |
| 148.042 | 0.0000 | 0.0000 | 81.488 | 0.18814 | 0.00000 | 602892.1 | 450408.4 | 0.0 | S |
| 148.050 | 0.0000 | 0.0000 | 81.488 | 0.18813 | 0.00000 | 602892.1 | 450414.1 | 0.0 | S |
| 148.058 | 0.0000 | 0.0000 | 81.488 | 0.18812 | 0.00000 | 602892.1 | 450419.7 | 0.0 | S |
| 148.067 | 0.0000 | 0.0000 | 81.488 | 0.18811 | 0.00000 | 602892.1 | 450425.3 | 0.0 | S |
| 148.075 | 0.0000 | 0.0000 | 81.488 | 0.18809 | 0.00000 | 602892.1 | 450431.0 | 0.0 | S |
| 148.083 | 0.0000 | 0.0000 | 81.488 | 0.18808 | 0.00000 | 602892.1 | 450436.6 | 0.0 | S |
| 148.092 | 0.0000 | 0.0000 | 81.488 | 0.18807 | 0.00000 | 602892.1 | 450442.3 | 0.0 | S |
| 148.100 | 0.0000 | 0.0000 | 81.488 | 0.18806 | 0.00000 | 602892.1 | 450447.9 | 0.0 | S |
| 148.108 | 0.0000 | 0.0000 | 81.487 | 0.18805 | 0.00000 | 602892.1 | 450453.6 | 0.0 | S |
| 148.117 | 0.0000 | 0.0000 | 81.487 | 0.18804 | 0.00000 | 602892.1 | 450459.2 | 0.0 | S |
| \$48.125 | 0.0000 | 0.0000 | 81.487 | 0.18803 | 0.00000 | 602892.1 | 450464.8 | 0.0 | S |
| 148.133 | 0.0000 | 0.0000 | 81.487 | 0.18802 | 0.00000 | 602892.1 | 450470.5 | 0.0 | S |
| 148.142 | 0.0000 | 0.0000 | 81.487 | 0.18801 | 0.00000 | 602892.1 | 450476.1 | 0.0 | S |
| 148.150 | 0.0000 | 0.0000 | 81.487 | 0.18800 | 0.00000 | 602892.1 | 450481.8 | 0.0 | S |
| 148.158 | 0.0000 | 0.0000 | 81.487 | 0.18798 | 0.00000 | 602892.1 | 450487.4 | 0.0 | S |
| 148.167 | 0.0000 | 0.0000 | 81.487 | 0.18797 | 0.00000 | 602892.1 | 450493.0 | 0.0 | S |
| 148.175 | 0.0000 | 0.0000 | 81.487 | 0.18796 | 0.00000 | 602892.1 | 450498.7 | 0.0 | S |
| 148.183 | 0.0000 | 0.0000 | 81.486 | 0.18795 | 0.00000 | 602892.1 | 450504.3 | 0.0 | S |
| 148.192 | 0.0000 | 0.0000 | 81.486 | 0.18794 | 0.00000 | 602892.1 | 450510.0 | 0.0 | S |
| 148.200 | 0.0000 | 0.0000 | 81.486 | 0.18793 | 0.00000 | 602892.1 | 450515.6 | 0.0 | S |
| 148.208 | 0.0000 | 0.0000 | 81.486 | 0.18792 | 0.00000 | 602892.1 | 450521.3 | 0.0 | S |
| 148.217 | 0.0000 | 0.0000 | 81.486 | 0.18791 | 0.00000 | 602892.1 | 450526.9 | 0.0 | S |
| 148.225 | 0.0000 | 0.0000 | 81.486 | 0.18790 | 0.00000 | 602892.1 | 450532.5 | 0.0 | S |
| 148.233 | 0.0000 | 0.0000 | 81.486 | 0.18789 | 0.00000 | 602892.1 | 450538.2 | 0.0 | S |
| 148.242 | 0.0000 | 0.0000 | 81.486 | 0.18788 | 0.00000 | 602892.1 | 450543.8 | 0.0 | S |
| 148.250 | 0.0000 | 0.0000 | 81.486 | 0.18786 | 0.00000 | 602892.1 | 450549.4 | 0.0 | S |
| 148.258 | 0.0000 | 0.0000 | 81.486 | 0.18785 | 0.00000 | 602892.1 | 450555.1 | 0.0 | S |
| 148.267 | 0.0000 | 0.0000 | 81.485 | 0.18784 | 0.00000 | 602892.1 | 450560.7 | 0.0 | S |
| 148.275 | 0.0000 | 0.0000 | 81.485 | 0.18783 | 0.00000 | 602892.1 | 450566.3 | 0.0 | S |
| 148.283 | 0.0000 | 0.0000 | 81.485 | 0.18782 | 0.00000 | 602892.1 | 450572.0 | 0.0 | S |
| 148.292 | 0.0000 | 0.0000 | 81.485 | 0.18781 | 0.00000 | 602892.1 | 450577.6 | 0.0 | S |
| 148.300 | 0.0000 | 0.0000 | 81.485 | 0.18780 | 0.00000 | 602892.1 | 450583.2 | 0.0 | S |
| 148.308 | 0.0000 | 0.0000 | 81.485 | 0.18779 | 0.00000 | 602892.1 | 450588.9 | 0.0 | S |
| 148.317 | 0.0000 | 0.0000 | 81.485 | 0.18778 | 0.00000 | 602892.1 | 450594.5 | 0.0 | S |
| 148.325 | 0.0000 | 0.0000 | 81.485 | 0.18777 | 0.00000 | 602892.1 | 450600.1 | 0.0 | S |
| 148.333 | 0.0000 | 0.0000 | 81.485 | 0.18776 | 0.00000 | 602892.1 | 450605.8 | 0.0 | S |
| 148.342 | 0.0000 | 0.0000 | 81.485 | 0.18774 | 0.00000 | 602892.1 | 450611.4 | 0.0 | S |
| 148.350 | 0.0000 | 0.0000 | 81.484 | 0.18773 | 0.00000 | 602892.1 | 450617.0 | 0.0 | S |
| 148.358 | 0.0000 | 0.0000 | 81.484 | 0.18772 | 0.00000 | 602892.1 | 450622.7 | 0.0 | S |
| 148.367 | 0.0000 | 0.0000 | 81.484 | 0.18771 | 0.00000 | 602892.1 | 450628.3 | 0.0 | S |
| 148.375 | 0.0000 | 0.0000 | 81.484 | 0.18770 | 0.00000 | 602892.1 | 450633.9 | 0.0 | S |
| 148.383 | 0.0000 | 0.0000 | 81.484 | 0.18769 | 0.00000 | 602892.1 | 450639.6 | 0.0 | S |
| 148.392 | 0.0000 | 0.0000 | 81.484 | 0.18768 | 0.00000 | 602892.1 | 450645.2 | 0.0 | S |
| 148.400 | 0.0000 | 0.0000 | 81.484 | 0.18767 | 0.00000 | 602892.1 | 450650.8 | 0.0 | S |
| 148.408 | 0.0000 | 0.0000 | 81.484 | 0.18766 | 0.00000 | 602892.1 | 450656.4 | 0.0 | S |
| 148.417 | 0.0000 | 0.0000 | 81.484 | 0.18765 | 0.00000 | 602892.1 | 450662.1 | 0.0 | S |
| 148.425 | 0.0000 | 0.0000 | 81.483 | 0.18764 | 0.00000 | 602892.1 | 450667.7 | 0.0 | S |
| 148.433 | 0.0000 | 0.0000 | 81.483 | 0.18762 | 0.00000 | 602892.1 | 450673.3 | 0.0 | S |
| 148.442 | 0.0000 | 0.0000 | 81.483 | 0.18761 | 0.00000 | 602892.1 | 450679.0 | 0.0 | S |
| 148.450 | 0.0000 | 0.0000 | 81.483 | 0.18760 | 0.00000 | 602892.1 | 450684.6 | 0.0 | S |
| 148.458 | 0.0000 | 0.0000 | 81.483 | 0.18759 | 0.00000 | 602892.1 | 450690.2 | 0.0 | S |
| 148.467 | 0.0000 | 0.0000 | 81.483 | 0.18758 | 0.00000 | 602892.1 | 450695.8 | 0.0 | S |
| 148.475 | 0.0000 | 0.0000 | 81.483 | 0.18757 | 0.00000 | 602892.1 | 450701.5 | 0.0 | S |
| 148.483 | 0.0000 | 0.0000 | 81.483 | 0.18756 | 0.00000 | 602892.1 | 450707.1 | 0.0 | S |
| 148.492 | 0.0000 | 0.0000 | 81.483 | 0.18755 | 0.00000 | 602892.1 | 450712.7 | 0.0 | S |
| 148.500 | 0.0000 | 0.0000 | 81.483 | 0.18754 | 0.00000 | 602892.1 | 450718.3 | 0.0 | S |
| 148.508 | 0.0000 | 0.0000 | 81.482 | 0.18753 | 0.00000 | 602892.1 | 450724.0 | 0.0 | S |
| 148.517 | 0.0000 | 0.0000 | 81.482 | 0.18752 | 0.00000 | 602892.1 | 450729.6 | 0.0 | S |
| 148.525 | 0.0000 | 0.0000 | 81.482 | 0.18750 | 0.00000 | 602892.1 | 450735.2 | 0.0 | S |
| 148.533 | 0.0000 | 0.0000 | 81.482 | 0.18749 | 0.00000 | 602892.1 | 450740.8 | 0.0 | S |
| 148.542 | 0.0000 | 0.0000 | 81.482 | 0.18748 | 0.00000 | 602892.1 | 450746.5 | 0.0 | S |
| 148.550 | 0.0000 | 0.0000 | 81.482 | 0.18747 | 0.00000 | 602892.1 | 450752.1 | 0.0 | S |
| 148.558 | 0.0000 | 0.0000 | 81.482 | 0.18746 | 0.00000 | 602892.1 | 450757.7 | 0.0 | S |
| 148.567 | 0.0000 | 0.0000 | 81.482 | 0.18745 | 0.00000 | 602892.1 | 450763.3 | 0.0 | S |
| 148.575 | 0.0000 | 0.0000 | 81.482 | 0.18744 | 0.00000 | 602892.1 | 450769.0 | 0.0 | S |
| 148.583 | 0.0000 | 0.0000 | 81.481 | 0.18743 | 0.00000 | 602892.1 | 450774.6 | 0.0 | S |
| 148.592 | 0.0000 | 0.0000 | 81.481 | 0.18742 | 0.00000 | 602892.1 | 450780.2 | 0.0 | S |
| 148.600 | 0.0000 | 0.0000 | 81.481 | 0.18741 | 0.00000 | 602892.1 | 450785.8 | 0.0 | S |
| 148.608 | 0.0000 | 0.0000 | 81.481 | 0.18740 | 0.00000 | 602892.1 | 450791.5 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate (ft3/s) | Outside Recharge (fU/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 /} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 148.617 | 0.0000 | 0.0000 | 81.481 | 0.18739 | 0.00000 | 602892.1 | 450797.1 | 0.0 | S |
| 148.625 | 0.0000 | 0.0000 | 81.481 | 0.18737 | 0.00000 | 602892.1 | 450802.7 | 0.0 | S |
| 148.633 | 0.0000 | 0.0000 | 81.481 | 0.18736 | 0.00000 | 602892.1 | 450808.3 | 0.0 | S |
| 148.642 | 0.0000 | 0.0000 | 81.481 | 0.18735 | 0.00000 | 602892.1 | 450813.9 | 0.0 | S |
| 148.650 | 0.0000 | 0.0000 | 81.481 | 0.18734 | 0.00000 | 602892.1 | 450819.6 | 0.0 | S |
| \$48.658 | 0.0000 | 0.0000 | 81.481 | 0.18733 | 0.00000 | 602892.1 | 450825.2 | 0.0 | S |
| 148.667 | 0.0000 | 0.0000 | 81.480 | 0.18732 | 0.00000 | 602892.1 | 450830.8 | 0.0 | S |
| 148.675 | 0.0000 | 0.0000 | 81.480 | 0.18731 | 0.00000 | 602892.1 | 450836.4 | 0.0 | S |
| 148.683 | 0.0000 | 0.0000 | 81.480 | 0.18730 | 0.00000 | 602892.1 | 450842.1 | 0.0 | S |
| 148.692 | 0.0000 | 0.0000 | 81.480 | 0.18729 | 0.00000 | 602892.1 | 450847.7 | 0.0 | S |
| 148.700 | 0.0000 | 0.0000 | 81.480 | 0.18728 | 0.00000 | 602892.1 | 450853.3 | 0.0 | S |
| 148.708 | 0.0000 | 0.0000 | 81.480 | 0.18727 | 0.00000 | 602892.1 | 450858.9 | 0.0 | S |
| 148.717 | 0.0000 | 0.0000 | 81.480 | 0.18725 | 0.00000 | 602892.1 | 450864.5 | 0.0 | S |
| 148.725 | 0.0000 | 0.0000 | 81.480 | 0.18724 | 0.00000 | 602892.1 | 450870.1 | 0.0 | S |
| 148.733 | 0.0000 | 0.0000 | 81.480 | 0.18723 | 0.00000 | 602892.1 | 450875.8 | 0.0 | S |
| 148.742 | 0.0000 | 0.0000 | 81.480 | 0.18722 | 0.00000 | 602892.1 | 450881.4 | 0.0 | S |
| 148.750 | 0.0000 | 0.0000 | 81.479 | 0.18721 | 0.00000 | 602892.1 | 450887.0 | 0.0 | S |
| 148.758 | 0.0000 | 0.0000 | 81.479 | 0.18720 | 0.00000 | 602892.1 | 450892.6 | 0.0 | S |
| 148.767 | 0.0000 | 0.0000 | 81.479 | 0.18719 | 0.00000 | 602892.1 | 450898.2 | 0.0 | S |
| 148.775 | 0.0000 | 0.0000 | 81.479 | 0.18718 | 0.00000 | 602892.1 | 450903.8 | 0.0 | S |
| 148.783 | 0.0000 | 0.0000 | 81.479 | 0.18717 | 0.00000 | 602892.1 | 450909.4 | 0.0 | S |
| 148.792 | 0.0000 | 0.0000 | 81.479 | 0.18716 | 0.00000 | 602892.1 | 450915.1 | 0.0 | S |
| 148.800 | 0.0000 | 0.0000 | 81.479 | 0.18715 | 0.00000 | 602892.1 | 450920.7 | 0.0 | S |
| 148.808 | 0.0000 | 0.0000 | 81.479 | 0.18714 | 0.00000 | 602892.1 | 450926.3 | 0.0 | S |
| 148.817 | 0.0000 | 0.0000 | 81.479 | 0.18712 | 0.00000 | 602892.1 | 450931.9 | 0.0 | S |
| 148.825 | 0.0000 | 0.0000 | 81.478 | 0.18711 | 0.00000 | 602892.1 | 450937.5 | 0.0 | S |
| 148.833 | 0.0000 | 0.0000 | 81.478 | 0.18710 | 0.00000 | 602892.1 | 450943.1 | 0.0 | S |
| 148.842 | 0.0000 | 0.0000 | 81.478 | 0.18709 | 0.00000 | 602892.1 | 450948.8 | 0.0 | S |
| 148.850 | 0.0000 | 0.0000 | 81.478 | 0.18708 | 0.00000 | 602892.1 | 450954.4 | 0.0 | S |
| 148.858 | 0.0000 | 0.0000 | 81.478 | 0.18707 | 0.00000 | 602892.1 | 450960.0 | 0.0 | S |
| 148.867 | 0.0000 | 0.0000 | 81.478 | 0.18706 | 0.00000 | 602892.1 | 450965.6 | 0.0 | S |
| 148.875 | 0.0000 | 0.0000 | 81.478 | 0.18705 | 0.00000 | 602892.1 | 450971.2 | 0.0 | S |
| 148.883 | 0.0000 | 0.0000 | 81.478 | 0.18704 | 0.00000 | 602892.1 | 450976.8 | 0.0 | S |
| 148.892 | 0.0000 | 0.0000 | 81.478 | 0.18703 | 0.00000 | 602892.1 | 450982.4 | 0.0 | S |
| 148.900 | 0.0000 | 0.0000 | 81.478 | 0.18702 | 0.00000 | 602892.1 | 450988.0 | 0.0 | S |
| 148.908 | 0.0000 | 0.0000 | 81.477 | 0.18701 | 0.00000 | 602892.1 | 450993.7 | 0.0 | S |
| 148.917 | 0.0000 | 0.0000 | 81.477 | 0.18699 | 0.00000 | 602892.1 | 450999.3 | 0.0 | S |
| 148.925 | 0.0000 | 0.0000 | 81.477 | 0.18698 | 0.00000 | 602892.1 | 451004.9 | 0.0 | S |
| 148.933 | 0.0000 | 0.0000 | 81.477 | 0.18697 | 0.00000 | 602892.1 | 451010.5 | 0.0 | S |
| 148.942 | 0.0000 | 0.0000 | 81.477 | 0.18696 | 0.00000 | 602892.1 | 451016.1 | 0.0 | S |
| 148.950 | 0.0000 | 0.0000 | 81.477 | 0.18695 | 0.00000 | 602892.1 | 451021.7 | 0.0 | S |
| 148.958 | 0.0000 | 0.0000 | 81.477 | 0.18694 | 0.00000 | 602892.1 | 451027.3 | 0.0 | S |
| 148.967 | 0.0000 | 0.0000 | 81.477 | 0.18693 | 0.00000 | 602892.1 | 451032.9 | 0.0 | S |
| 148.975 | 0.0000 | 0.0000 | 81.477 | 0.18692 | 0.00000 | 602892.1 | 451038.5 | 0.0 | S |
| 148.983 | 0.0000 | 0.0000 | 81.477 | 0.18691 | 0.00000 | 602892.1 | 451044.1 | 0.0 | S |
| 148.992 | 0.0000 | 0.0000 | 81.476 | 0.18690 | 0.00000 | 602892.1 | 451049.7 | 0.0 | S |
| 149.000 | 0.0000 | 0.0000 | 81.476 | 0.18689 | 0.00000 | 602892.1 | 451055.3 | 0.0 | S |
| 149.008 | 0.0000 | 0.0000 | 81.476 | 0.18688 | 0.00000 | 602892.1 | 451060.9 | 0.0 | S |
| 149.017 | 0.0000 | 0.0000 | 81.476 | 0.18686 | 0.00000 | 602892.1 | 451066.5 | 0.0 | S |
| 149.025 | 0.0000 | 0.0000 | 81.476 | 0.18685 | 0.00000 | 602892.1 | 451072.2 | 0.0 | S |
| 149.033 | 0.0000 | 0.0000 | 81.476 | 0.18684 | 0.00000 | 602892.1 | 451077.8 | 0.0 | S |
| 149.042 | 0.0000 | 0.0000 | 81.476 | 0.18683 | 0.00000 | 602892.1 | 451083.4 | 0.0 | S |
| 149.050 | 0.0000 | 0.0000 | 81.476 | 0.18682 | 0.00000 | 602892.4 | 451089.0 | 0.0 | S |
| 149.058 | 0.0000 | 0.0000 | 81.476 | 0.18681 | 0.00000 | 602892.1 | 451094.6 | 0.0 | S |
| 149.067 | 0.0000 | 0.0000 | 81.475 | 0.18680 | 0.00000 | 602892.1 | 451100.2 | 0.0 | S |
| 149.075 | 0.0000 | 0.0000 | 81.475 | 0.18679 | 0.00000 | 602892.1 | 451105.8 | 0.0 | S |
| 149.083 | 0.0000 | 0.0000 | 81.475 | 0.18678 | 0.00000 | 602892.1 | 451111.4 | 0.0 | S |
| 149.092 | 0.0000 | 0.0000 | 81.475 | 0.18677 | 0.00000 | 602892.1 | 451117.0 | 0.0 | S |
| 149.100 | 0.0000 | 0.0000 | 81.475 | 0.18676 | 0.00000 | 602892.1 | 451122.6 | 0.0 | S |
| 149.108 | 0.0000 | 0.0000 | 81.475 | 0.18675 | 0.00000 | 602892.1 | 451128.2 | 0.0 | S |
| \$49.117 | 0.0000 | 0.0000 | 81.475 | 0.18673 | 0.00000 | 602892.1 | 451133.8 | 0.0 | S |
| 149.125 | 0.0000 | 0.0000 | 81.475 | 0.18672 | 0.00000 | 602892.1 | 451139.4 | 0.0 | S |
| 149.133 | 0.0000 | 0.0000 | 81.475 | 0.18671 | 0.00000 | 602892.1 | 451145.0 | 0.0 | S |
| 149.142 | 0.0000 | 0.0000 | 81.475 | 0.18670 | 0.00000 | 602892.1 | 451150.6 | 0.0 | S |
| 149.150 | 0.0000 | 0.0000 | 81.474 | 0.18669 | 0.00000 | 602892.1 | 451156.2 | 0.0 | S |
| 149.158 | 0.0000 | 0.0000 | 81.474 | 0.18668 | 0.00000 | 602892.1 | 451161.8 | 0.0 | S |
| 149.167 | 0.0000 | 0.0000 | 81.474 | 0.18667 | 0.00000 | 602892.1 | 451167.4 | 0.0 | S |
| 149.175 | 0.0000 | 0.0000 | 81.474 | 0.18666 | 0.00000 | 602892.1 | 451173.0 | 0.0 | S |
| 149.183 | 0.0000 | 0.0000 | 81.474 | 0.18665 | 0.00000 | 602892.1 | 451178.6 | 0.0 | S |
| 149.192 | 0.0000 | 0.0000 | 81.474 | 0.18664 | 0.00000 | 602892.1 | 451184.2 | 0.0 | S |
| 149.200 | 0.0000 | 0.0000 | 81.474 | 0.18663 | 0.00000 | 602892.1 | 451189.8 | 0.0 | S |
| 149.208 | 0.0000 | 0.0000 | 81.474 | 0.18662 | 0.00000 | 602892.1 | 451195.4 | 0.0 | S |
| 149.217 | 0.0000 | 0.0000 | 81.474 | 0.18661 | 0.00000 | 602892.1 | 451201.0 | 0.0 | S |
| 149.225 | 0.0000 | 0.0000 | 81.474 | 0.18659 | 0.00000 | 602892.1 | 451206.6 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate (ft/s) | Overfow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume $\left\langle\mathrm{ft}^{3}\right\rangle$ | Cumulative Infiltration Volume ( $f^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 149.233 | 0.0000 | 0.0000 | 81.473 | 0.18658 | 0.00000 | 602892.1 | 451212.2 | 0.0 | S |
| 149.242 | 0.0000 | 0.0000 | 81.473 | 0.18657 | 0.00000 | 602892.1 | 451217.8 | 0.0 | S |
| 149.250 | 0.0000 | 0.0000 | 81.473 | 0.18656 | 0.00000 | 602892.1 | 451223.4 | 0.0 | S |
| 149.258 | 0.0000 | 0.0000 | 81.473 | 0.18655 | 0.00000 | 602892.1 | 451229.0 | 0.0 | S |
| 149.267 | 0.0000 | 0.0000 | 81,473 | 0.18654 | 0.00000 | 602892.1 | 451234.6 | 0.0 | S |
| 149.275 | 0.0000 | 0.0000 | 81.473 | 0.18653 | 0.00000 | 602892.1 | 451240.2 | 0.0 | S |
| 149.283 | 0.0000 | 0.0000 | 81.473 | 0.18652 | 0.00000 | 602892.1 | 451245.8 | 0.0 | S |
| 149.292 | 0.0000 | 0.0000 | 81.473 | 0.18651 | 0.00000 | 602892.1 | 451251.4 | 0.0 | S |
| 149.300 | 0.0000 | 0.0000 | 81.473 | 0.18650 | 0.00000 | 602892.1 | 451257.0 | 0.0 | S |
| 149.308 | 0.0000 | 0.0000 | 81.472 | 0.18649 | 0.00000 | 602892.1 | 451262.6 | 0.0 | S |
| 149.317 | 0.0000 | 0.0000 | 81.472 | 0.18648 | 0.00000 | 602892.1 | 451268.2 | 0.0 | S |
| 149.325 | 0.0000 | 0.0000 | 81.472 | 0.18647 | 0.00000 | 602892.1 | 451273.8 | 0.0 | S |
| 149.333 | 0.0000 | 0.0000 | 81.472 | 0.18645 | 0.00000 | 602892.1 | 451279.3 | 0.0 | S |
| 149.342 | 0.0000 | 0.0000 | 81.472 | 0.18644 | 0.00000 | 602892.1 | 451284.9 | 0.0 | S |
| \$49.350 | 0.0000 | 0.0000 | 81.472 | 0.18643 | 0.00000 | 602892.1 | 451290.5 | 0.0 | S |
| 149.358 | 0.0000 | 0.0000 | 81.472 | 0.18642 | 0.00000 | 602892.1 | 451296.1 | 0.0 | S |
| 149.367 | 0.0000 | 0.0000 | 81.472 | 0.18641 | 0.00000 | 602892.1 | 451301.7 | 0.0 | S |
| 149.375 | 0.0000 | 0.0000 | 81.472 | 0.18640 | 0.00000 | 602892.1 | 451307.3 | 0.0 | S |
| 149.383 | 0.0000 | 0.0000 | 81.472 | 0.18639 | 0.00000 | 602892.1 | 451312.9 | 0.0 | S |
| 149.392 | 0.0000 | 0.0000 | 81.471 | 0.18638 | 0.00000 | 602892.1 | 451318.5 | 0.0 | S |
| 149.400 | 0.0000 | 0.0000 | 81.471 | 0.18637 | 0.00000 | 602892.1 | 451324.1 | 0.0 | S |
| 149.408 | 0.0000 | 0.0000 | 81.471 | 0.18636 | 0.00000 | 602892.1 | 451329.7 | 0.0 | S |
| 149.417 | 0.0000 | 0.0000 | 81.471 | 0.18635 | 0.00000 | 602892.1 | 451335.3 | 0.0 | S |
| 149.425 | 0.0000 | 0.0000 | 81.471 | 0.18634 | 0.00000 | 602892.1 | 451340.8 | 0.0 | S |
| 149.433 | 0.0000 | 0.0000 | 81.471 | 0.18633 | 0.00000 | 602892.1 | 451346.4 | 0.0 | S |
| 149.442 | 0.0000 | 0.0000 | 81.471 | 0.18631 | 0.00000 | 602892.1 | 451352.0 | 0.0 | S |
| 149.450 | 0.0000 | 0.0000 | 81.471 | 0.18630 | 0.00000 | 602892.1 | 451357.6 | 0.0 | S |
| 149.458 | 0.0000 | 0.0000 | 81.471 | 0.18629 | 0.00000 | 602892.1 | 451363.2 | 0.0 | S |
| 149.467 | 0.0000 | 0.0000 | 81.471 | 0.18628 | 0.00000 | 602892.1 | 451368.8 | 0.0 | S |
| 149.475 | 0.0000 | 0.0000 | 81.470 | 0.18627 | 0.00000 | 602892.1 | 451374.4 | 0.0 | S |
| 149.483 | 0.0000 | 0.0000 | 81.470 | 0.18626 | 0.00000 | 602892.1 | 451380.0 | 0.0 | S |
| 149.492 | 0.0000 | 0.0000 | 81.470 | 0.18625 | 0.00000 | 602832.1 | 451385.6 | 0.0 | S |
| 149.500 | 0.0000 | 0.0000 | 81.470 | 0.18624 | 0.00000 | 602892.1 | 451391.2 | 0.0 | S |
| 149.508 | 0.0000 | 0.0000 | 81.470 | 0.18623 | 0.00000 | 602892.1 | 451396.7 | 0.0 | S |
| 149.517 | 0.0000 | 0.0000 | 81.470 | 0.18622 | 0.00000 | 602892.1 | 451402.3 | 0.0 | S |
| 149.525 | 0.0000 | 0.0000 | 81.470 | 0.18621 | 0.00000 | 602892.1 | 451407.9 | 0.0 | S |
| 149.533 | 0.0000 | 0.0000 | 81.470 | 0.18620 | 0.00000 | 602892.1 | 451413.5 | 0.0 | S |
| 149.542 | 0.0000 | 0.0000 | 81.470 | 0.18619 | 0.00000 | 602892.1 | 451419.1 | 0.0 | S |
| 149.550 | 0.0000 | 0.0000 | 81.469 | 0.18617 | 0.00000 | 602892.1 | 451424.7 | 0.0 | S |
| 149.558 | 0.0000 | 0.0000 | 81.469 | 0.18616 | 0.00000 | 602892.1 | 451430.3 | 0.0 | S |
| 149.567 | 0.0000 | 0.0000 | 81.469 | 0.18615 | 0.00000 | 602892.1 | 451435.8 | 0.0 | S |
| 149.575 | 0.0000 | 0.0000 | 81.469 | 0.18614 | 0.00000 | 602892.1 | 451441.4 | 0.0 | S |
| 149.583 | 0.0000 | 0.0000 | 81.469 | 0.18613 | 0.00000 | 602892.1 | 451447.0 | 0.0 | S |
| 149.592 | 0.0000 | 0.0000 | 81.469 | 0.18612 | 0.00000 | 602892.1 | 451452.6 | 0.0 | S |
| 149.600 | 0.0000 | 0.0000 | 81.469 | 0.78611 | 0.00000 | 602892.1 | 451458.2 | 0.0 | S |
| 149.608 | 0.0000 | 0.0000 | 81.469 | 0.18610 | 0.00000 | 602892.1 | 451463.8 | 0.0 | S |
| 149.617 | 0.0000 | 0.0000 | 81.469 | 0.18609 | 0.00000 | 602892.1 | 451469.3 | 0.0 | S |
| 149.625 | 0.0000 | 0.0000 | 81.469 | 0.18608 | 0.00000 | 602892.1 | 451474.9 | 0.0 | S |
| 149.633 | 0.0000 | 0.0000 | 81.468 | 0.18607 | 0.00000 | 602892.1 | 451480.5 | 0.0 | S |
| 149.642 | 0.0000 | 0.0000 | 81.468 | 0.18606 | 0.00000 | 602892.1 | 451486.1 | 0.0 | S |
| 149.650 | 0.0000 | 0.0000 | 81.468 | 0.18605 | 0.00000 | 602892.1 | 451491.7 | 0.0 | S |
| 149.658 | 0.0000 | 0.0000 | 81.468 | 0.18603 | 0.00000 | 602892.1 | 451497.3 | 0.0 | S |
| 149.667 | 0.0000 | 0.0000 | 81.468 | 0.18602 | 0.00000 | 602892.1 | 451502.8 | 0.0 | S |
| 149.675 | 0.0000 | 0.0000 | 81.468 | 0.18601 | 0.00000 | 602892.1 | 451508.4 | 0.0 | S |
| 149.683 | 0.0000 | 0.0000 | 81.468 | 0.18600 | 0.00000 | 602892.1 | 451514.0 | 0.0 | S |
| 149.692 | 0.0000 | 0.0000 | 81.468 | 0.18599 | 0.00000 | 602892.1 | 451519.6 | 0.0 | S |
| 149.700 | 0.0000 | 0.0000 | 81.468 | 0.18598 | 0.00000 | 602892.1 | 451525.2 | 0.0 | S |
| 149.708 | 0.0000 | 0.0000 | 81.468 | 0.18597 | 0.00000 | 602892.1 | 451530.7 | 0.0 | S |
| 149.717 | 0.0000 | 0.0000 | 81.467 | 0.18596 | 0.00000 | 602892.1 | 451536.3 | 0.0 | S |
| 149.725 | 0.0000 | 0.0000 | 81.467 | 0.18595 | 0.00000 | 602892.1 | 451541.9 | 0.0 | S |
| 149.733 | 0.0000 | 0.0000 | 81.467 | 0.18594 | 0.00000 | 602892.1 | 451547.5 | 0.0 | S |
| 149.742 | 0.0000 | 0.0000 | 81.467 | 0.18593 | 0.00000 | 602892.1 | 451553.0 | 0.0 | S |
| 149.750 | 0.0000 | 0.0000 | 81.467 | 0.18592 | 0.00000 | 602892.1 | 451558.6 | 0.0 | S |
| 149.758 | 0.0000 | 0.0000 | 81.467 | 0.18591 | 0.00000 | 602892.1 | 451564.2 | 0.0 | S |
| 149.767 | 0.0000 | 0.0000 | 81.467 | 0.18590 | 0.00000 | 602892.1 | 451569.8 | 0.0 | S |
| 149.775 | 0.0000 | 0.0000 | 81.467 | 0.18588 | 0.00000 | 602892.1 | 451575.3 | 0.0 | S |
| 149.783 | 0.0000 | 0.0000 | 81.467 | 0.18587 | 0.00000 | 602892.1 | 451580.9 | 0.0 | S |
| 149.792 | 0.0000 | 0.0000 | 81.467 | 0.18586 | 0.00000 | 602892.1 | 451586.5 | 0.0 | S |
| 149.800 | 0.0000 | 0.0000 | 81.466 | 0.18585 | 0.00000 | 602892.1 | 451592.1 | 0.0 | S |
| 149.808 | 0.0000 | 0.0000 | 81.466 | 0.18584 | 0.00000 | 602892.1 | 451597.7 | 0.0 | S |
| 149.817 | 0.0000 | 0.0000 | 81.466 | 0.18583 | 0.00000 | 602892.1 | 451603.2 | 0.0 | S |
| 149.825 | 0.0000 | 0.0000 | 81.466 | 0.18582 | 0.00000 | 602892.1 | 451608.8 | 0.0 | S |
| 149.833 | 0.0000 | 0.0000 | 81.466 | 0.18581 | 0.00000 | 602892.1 | 451614.4 | 0.0 | S |
| 149.842 | 0.0000 | 0.0000 | 81.466 | 0.18580 | 0.00000 | 602892.1 | 451619.9 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow <br> Discharge <br> ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 149.850 | 0.0000 | 0.0000 | 81.466 | 0.18579 | 0.00000 | 602892.1 | 451625.5 | 0.0 | S |
| 149.858 | 0.0000 | 0.0000 | 81.466 | 0.18578 | 0.00000 | 602892.1 | 451631.1 | 0.0 | S |
| 149.867 | 0.0000 | 0.0000 | 81.466 | 0.18577 | 0.00000 | 602892.1 | 451636.7 | 0.0 | S |
| 149.875 | 0.0000 | 0.0000 | 81.465 | 0.18576 | 0.00000 | 602892.1 | 451642.3 | 0.0 | S |
| 149.883 | 0.0000 | 0.0000 | 81.465 | 0.18575 | 0.00000 | 602892.1 | 451647.8 | 0.0 | S |
| 149.892 | 0.0000 | 0.0000 | 81.465 | 0.18573 | 0.00000 | 602892.1 | 451653.4 | 0.0 | S |
| 149.900 | 0.0000 | 0.0000 | 81.465 | 0.18572 | 0.00000 | 602892.1 | 451659.0 | 0.0 | S |
| 149.908 | 0.0000 | 0.0000 | 81.465 | 0.18571 | 0.00000 | 602892.1 | 451664.5 | 0.0 | S |
| 149.917 | 0.0000 | 0.0000 | 81.465 | 0.18570 | 0.00000 | 602892.1 | 451670.1 | 0.0 | S |
| 149.925 | 0.0000 | 0.0000 | 81.465 | 0.18569 | 0.00000 | 602892.1 | 451675.7 | 0.0 | S |
| 149.933 | 0.0000 | 0.0000 | 81.465 | 0.18568 | 0.00000 | 602892.4 | 451681.3 | 0.0 | S |
| 149.942 | 0.0000 | 0.0000 | 81.465 | 0.18567 | 0.00000 | 602892.1 | 451686.8 | 0.0 | S |
| 149.950 | 0.0000 | 0.0000 | 81.465 | 0.18566 | 0.00000 | 602892.1 | 451692.4 | 0.0 | S |
| 149.958 | 0.0000 | 0.0000 | 81.464 | 0.18565 | 0.00000 | 602892.1 | 451697.9 | 0.0 | S |
| 149.967 | 0.0000 | 0.0000 | 81.464 | 0.18564 | 0.00000 | 602892.1 | 451703.5 | 0.0 | S |
| 149.975 | 0.0000 | 0.0000 | 81.464 | 0.18563 | 0.00000 | 602892.1 | 451709.1 | 0.0 | S |
| 149.983 | 0.0000 | 0.0000 | 81.464 | 0.18562 | 0.00000 | 602892.1 | 451714.7 | 0.0 | S |
| 149.992 | 0.0000 | 0.0000 | 81.464 | 0.18561 | 0.00000 | 602892.1 | 451720.2 | 0.0 | S |
| 150.000 | 0.0000 | 0.0000 | 81.464 | 0.18560 | 0.00000 | 602892.1 | 451725.8 | 0.0 | S |
| 150.008 | 0.0000 | 0.0000 | 81.464 | 0.18559 | 0.00000 | 602892.1 | 451731.4 | 0.0 | S |
| 150.017 | 0.0000 | 0.0000 | 81.464 | 0.18557 | 0.00000 | 602892.1 | 451736.9 | 0.0 | S |
| 150.025 | 0.0000 | 0.0000 | 81.464 | 0.18556 | 0.00000 | 602892.1 | 451742.5 | 0.0 | S |
| 150.033 | 0.0000 | 0.0000 | 81.464 | 0.18555 | 0.00000 | 602892.1 | 451748.1 | 0.0 | S |
| 150.042 | 0.0000 | 0.0000 | 81.463 | 0.18554 | 0.00000 | 602892.1 | 451753.6 | 0.0 | S |
| 150.050 | 0.0000 | 0.0000 | 81.463 | 0.18553 | 0.00000 | 602892.1 | 451759.2 | 0.0 | S |
| 150.058 | 0.0000 | 0.0000 | 81.463 | 0.18552 | 0.00000 | 602892.1 | 451764.8 | 0.0 | S |
| 150.067 | 0.0000 | 0.0000 | 81.463 | 0.18551 | 0.00000 | 602892.1 | 451770.3 | 0.0 | S |
| 150.075 | 0.0000 | 0.0000 | 81.463 | 0.18550 | 0.00000 | 602892.1 | 451775.9 | 0.0 | S |
| 150.083 | 0.0000 | 0.0000 | 81.463 | 0.18549 | 0.00000 | 602892.1 | 451781.5 | 0.0 | S |
| 150.092 | 0.0000 | 0.0000 | 81.463 | 0.18548 | 0.00000 | 602892.1 | 451787.0 | 0.0 | S |
| 150.100 | 0.0000 | 0.0000 | 81.463 | 0.18547 | 0.00000 | 602892.1 | 451792.6 | 0.0 | S |
| 150.108 | 0.0000 | 0.0000 | 81.463 | 0.18546 | 0.00000 | 602892.1 | 451798.2 | 0.0 | S |
| 150.117 | 0.0000 | 0.0000 | 81.462 | 0.18545 | 0.00000 | 602892.1 | 451803.7 | 0.0 | S |
| 150.125 | 0.0000 | 0.0000 | 81.462 | 0.18544 | 0.00000 | 602892.1 | 451809.3 | 0.0 | S |
| 150.133 | 0.0000 | 0.0000 | 81.462 | 0.18542 | 0.00000 | 602892.1 | 451814.8 | 0.0 | S |
| 150.142 | 0.0000 | 0.0000 | 81.462 | 0.18541 | 0.00000 | 602892.1 | 451820.4 | 0.0 | S |
| 150.150 | 0.0000 | 0.0000 | 81.462 | 0.18540 | 0.00000 | 602892.1 | 451826.0 | 0.0 | S |
| 150.158 | 0.0000 | 0.0000 | 81.462 | 0.18539 | 0.00000 | 602892.1 | 451831.5 | 0.0 | S |
| 150.167 | 0.0000 | 0.0000 | 81.462 | 0.18538 | 0.00000 | 602892.1 | 451837.1 | 0.0 | S |
| 150.175 | 0.0000 | 0.0000 | 81.462 | 0.18537 | 0.00000 | 602892.1 | 451842.7 | 0.0 | S |
| 150.183 | 0.0000 | 0.0000 | 81.462 | 0.18536 | 0.00000 | 602892.1 | 451848.2 | 0.0 | S |
| 150.192 | 0.0000 | 0.0000 | 81.462 | 0.18535 | 0.00000 | 602892.1 | 451853.8 | 0.0 | S |
| 150.200 | 0.0000 | 0.0000 | 81.461 | 0.18534 | 0.00000 | 602892.1 | 451859.3 | 0.0 | S |
| 150.208 | 0.0000 | 0.0000 | 81.461 | 0.18533 | 0.00000 | 602892.1 | 451864.9 | 0.0 | S |
| 150.217 | 0.0000 | 0.0000 | 81.461 | 0.18532 | 0.00000 | 602892.1 | 451870.4 | 0.0 | S |
| 150.225 | 0.0000 | 0.0000 | 81.461 | 0.18531 | 0.00000 | 602892.1 | 451876.0 | 0.0 | S |
| 150.233 | 0.0000 | 0.0000 | 81.461 | 0.78530 | 0.00000 | 602892.1 | 451881.6 | 0.0 | S |
| 150.242 | 0.0000 | 0.0000 | 81.461 | 0.18529 | 0.00000 | 602892.1 | 451887.1 | 0.0 | S |
| 150.250 | 0.0000 | 0.0000 | 81.461 | 0.18528 | 0.00000 | 602892.1 | 451892.7 | 0.0 | S |
| 150.258 | 0.0000 | 0.0000 | 81.461 | 0.18527 | 0.00000 | 602892.1 | 451898.3 | 0.0 | S |
| 150.267 | 0.0000 | 0.0000 | 81.461 | 0.18525 | 0.00000 | 602892.1 | 451903.8 | 0.0 | S |
| 150.275 | 0.0000 | 0.0000 | 81.461 | 0.18524 | 0.00000 | 602892.1 | 451909.4 | 0.0 | S |
| 150.283 | 0.0000 | 0.0000 | 81.460 | 0.18523 | 0.00000 | 602892.1 | 451914.9 | 0.0 | S |
| 150.292 | 0.0000 | 0.0000 | 81.460 | 0.18522 | 0.00000 | 602892.1 | 451920.5 | 0.0 | S |
| 150.300 | 0.0000 | 0.0000 | 81.460 | 0.18521 | 0.00000 | 602892.1 | 451926.0 | 0.0 | S |
| 150.308 | 0.0000 | 0.0000 | 81.460 | 0.18520 | 0.00000 | 602892.1 | 451931.6 | 0.0 | S |
| 150.317 | 0.0000 | 0.0000 | 81.460 | 0.18519 | 0.00000 | 602892.1 | 451937.2 | 0.0 | S |
| 150.325 | 0.0000 | 0.0000 | 81.460 | 0.18518 | 0.00000 | 602892.1 | 451942.7 | 0.0 | S |
| 150.333 | 0.0000 | 0.0000 | 81.460 | 0.18517 | 0.00000 | 602892.1 | 451948.3 | 0.0 | S |
| 150.342 | 0.0000 | 0.0000 | 81.460 | 0.18516 | 0.00000 | 602892.1 | 451953.8 | 0.0 | S |
| 150.350 | 0.0000 | 0.0000 | 81.460 | 0.18515 | 0.00000 | 602892.7 | 451959.4 | 0.0 | S |
| 150.358 | 0.0000 | 0.0000 | 81.460 | 0.18514 | 0.00000 | 602892.1 | 451964.9 | 0.0 | S |
| 150.367 | 0.0000 | 0.0000 | 81.459 | 0.18513 | 0.00000 | 602892.1 | 451970.5 | 0.0 | S |
| 150.375 | 0.0000 | 0.0000 | 81.459 | 0.18512 | 0.00000 | 602892.1 | 451976.0 | 0.0 | S |
| 150.383 | 0.0000 | 0.0000 | 81.459 | 0.18511 | 0.00000 | 602892.1 | 451981.6 | 0.0 | S |
| 150.392 | 0.0000 | 0.0000 | 81.459 | 0.18509 | 0.00000 | 602892.1 | 451987.1 | 0.0 | S |
| 150.400 | 0.0000 | 0.0000 | 81.459 | 0.18508 | 0.00000 | 602892.1 | 451992.7 | 0.0 | S |
| 150.408 | 0.0000 | 0.0000 | 81.459 | 0.18507 | 0.00000 | 602892.1 | 451998.3 | 0.0 | S |
| 150.417 | 0.0000 | 0.0000 | 81.459 | 0.18506 | 0.00000 | 602892.1 | 452003.8 | 0.0 | S |
| 150.425 | 0.0000 | 0.0000 | 81.459 | 0.18505 | 0.00000 | 602892.1 | 452009.3 | 0.0 | S |
| 150.433 | 0.0000 | 0.0000 | 81.459 | 0.18504 | 0.00000 | 602892.1 | 452014.9 | 0.0 | S |
| 150.442 | 0.0000 | 0.0000 | 81.458 | 0.18503 | 0.00000 | 602892.1 | 452020.4 | 0.0 | S |
| 150.450 | 0.0000 | 0.0000 | 81.458 | 0.18502 | 0.00000 | 602892.1 | 452026.0 | 0.0 | S |
| 150.458 | 0.0000 | 0.0000 | 81.458 | 0.18501 | 0.00000 | 602892.1 | 452031.5 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year/24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Enfiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | $\begin{aligned} & \text { Flow } \\ & \text { Type } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 150.467 | 0.0000 | 0.0000 | 81.458 | 0.18500 | 0.00000 | 602892.1 | 452037.1 | 0.0 | S |
| 150.475 | 0.0000 | 0.0000 | 81.458 | 0.18499 | 0.00000 | 602892.1 | 452042.7 | 0.0 | S |
| 150.483 | 0.0000 | 0.0000 | 81.458 | 0.18498 | 0.00000 | 602892.1 | 452048.2 | 0.0 | S |
| 150.492 | 0.0000 | 0.0000 | 81.458 | 0.18497 | 0.00000 | 602892.1 | 452053.8 | 0.0 | S |
| 150.500 | 0.0000 | 0.0000 | 81.458 | 0.18496 | 0.00000 | 602892.1 | 452059.3 | 0.0 | S |
| 150.508 | 0.0000 | 0.0000 | 81.458 | 0.18495 | 0.00000 | 602892.1 | 452064.8 | 0.0 | S |
| 150.517 | 0.0000 | 0.0000 | 81.458 | 0.18494 | 0.00000 | 602892.1 | 452070.4 | 0.0 | S |
| 150.525 | 0.0000 | 0.0000 | 81.457 | 0.18492 | 0.00000 | 602892.1 | 452075.9 | 0.0 | S |
| 150.533 | 0.0000 | 0.0000 | 81.457 | 0.18491 | 0.00000 | 602892.1 | 452081.5 | 0.0 | S |
| 150.542 | 0.0000 | 0.0000 | 81.457 | 0.18490 | 0.00000 | 602892.1 | 452087.0 | 0.0 | S |
| 150.550 | 0.0000 | 0.0000 | 81.457 | 0.18489 | 0.00000 | 602892.1 | 452092.6 | 0.0 | S |
| 150.558 | 0.0000 | 0.0000 | 81.457 | 0.18488 | 0.00000 | 602892.1 | 452098.1 | 0.0 | S |
| 150.567 | 0.0000 | 0.0000 | 81.457 | 0.18487 | 0.00000 | 602892.1 | 452103.7 | 0.0 | S |
| 150.575 | 0.0000 | 0.0000 | 81.457 | 0.18486 | 0.00000 | 602892.1 | 452109.2 | 0.0 | S |
| 150.583 | 0.0000 | 0.0000 | 81.457 | 0.18485 | 0.00000 | 602892.1 | 452114.8 | 0.0 | S |
| 150.592 | 0.0000 | 0.0000 | 81.457 | 0.18484 | 0.00000 | 602892.1 | 452120.3 | 0.0 | S |
| 150.600 | 0.0000 | 0.0000 | 81.457 | 0.18483 | 0.00000 | 602892.1 | 452125.8 | 0.0 | S |
| 150.608 | 0.0000 | 0.0000 | 81.456 | 0.18482 | 0.00000 | 602892.1 | 452131.4 | 0.0 | S |
| 150.617 | 0.0000 | 0.0000 | 81.456 | 0.18481 | 0.00000 | 602892.1 | 452136.9 | 0.0 | S |
| 150.625 | 0.0000 | 0.0000 | 81.456 | 0.18480 | 0.00000 | 602892.1 | 452142.5 | 0.0 | S |
| 150.633 | 0.0000 | 0.0000 | 81.456 | 0.18479 | 0.00000 | 602892.1 | 452148.0 | 0.0 | S |
| 150.642 | 0.0000 | 0.0000 | 81.456 | 0.18478 | 0.00000 | 602892.1 | 452153.6 | 0.0 | S |
| 150.650 | 0.0000 | 0.0000 | 81.456 | 0.18477 | 0.00000 | 602892.1 | 452159.1 | 0.0 | S |
| 150.658 | 0.0000 | 0.0000 | 81.456 | 0.18476 | 0.00000 | 602892.1 | 452164.7 | 0.0 | S |
| 150.667 | 0.0000 | 0.0000 | 81.456 | 0.18474 | 0.00000 | 602892.1 | 452170.2 | 0.0 | S |
| 150.675 | 0.0000 | 0.0000 | 81.456 | 0.18473 | 0.00000 | 602892.1 | 452175.8 | 0.0 | S |
| 150.683 | 0.0000 | 0.0000 | 81.456 | 0.18472 | 0.00000 | 602892.1 | 452181.3 | 0.0 | S |
| 150.692 | 0.0000 | 0.0000 | 81.455 | 0.18471 | 0.00000 | 602892.1 | 452186.8 | 0.0 | S |
| 150.700 | 0.0000 | 0.0000 | 81.455 | 0.18470 | 0.00000 | 602892.1 | 452192.4 | 0.0 | S |
| 150.708 | 0.0000 | 0.0000 | 81.455 | 0.18469 | 0.00000 | 602892.1 | 452197.9 | 0.0 | S |
| 150.717 | 0.0000 | 0.0000 | 81.455 | 0.18468 | 0.00000 | 602892.1 | 452203.4 | 0.0 | S |
| 150.725 | 0.0000 | 0.0000 | 81.455 | 0.18467 | 0.00000 | 602892.1 | 452209.0 | 0.0 | S |
| 150.733 | 0.0000 | 0.0000 | 81.455 | 0.18466 | 0.00000 | 602892.1 | 452214.5 | 0.0 | S |
| 150.742 | 0.0000 | 0.0000 | 81.455 | 0.18465 | 0.00000 | 602892.1 | 452220.1 | 0.0 | S |
| 150.750 | 0.0000 | 0.0000 | 81.455 | 0.18464 | 0.00000 | 602892.1 | 452225.6 | 0.0 | S |
| 150.758 | 0.0000 | 0.0000 | 81.455 | 0.18463 | 0.00000 | 602892.1 | 452231.2 | 0.0 | S |
| 150.767 | 0.0000 | 0.0000 | 81.454 | 0.18462 | 0.00000 | 602892.1 | 452236.7 | 0.0 | S |
| 150.775 | 0.0000 | 0.0000 | 81.454 | 0.18461 | 0.00000 | 602892.1 | 452242.2 | 0.0 | S |
| 150.783 | 0.0000 | 0.0000 | 81.454 | 0.18460 | 0.00000 | 602892.1 | 452247.8 | 0.0 | S |
| 150.792 | 0.0000 | 0.0000 | 81.454 | 0.18459 | 0.00000 | 602892.1 | 452253.3 | 0.0 | S |
| 150.800 | 0.0000 | 0.0000 | 81.454 | 0.18458 | 0.00000 | 602892.1 | 452258.8 | 0.0 | S |
| 150.808 | 0.0000 | 0.0000 | 81.454 | 0.18456 | 0.00000 | 602892.1 | 452264.4 | 0.0 | S |
| 150.817 | 0.0000 | 0.0000 | 81.454 | 0.18455 | 0.00000 | 602892.1 | 452269.9 | 0.0 | S |
| 150.825 | 0.0000 | 0.0000 | 81.454 | 0.18454 | 0.00000 | 602892.1 | 452275.4 | 0.0 | S |
| 150.833 | 0.0000 | 0.0000 | 81.454 | 0.18453 | 0.00000 | 602892.1 | 452281.0 | 0.0 | S |
| 150.842 | 0.0000 | 0.0000 | 81.454 | 0.18452 | 0.00000 | 602892.1 | 452286.5 | 0.0 | S |
| 150.850 | 0.0000 | 0.0000 | 81.453 | 0.18451 | 0.00000 | 602892.1 | 452292.1 | 0.0 | S |
| 150.858 | 0.0000 | 0.0000 | 81.453 | 0.18450 | 0.00000 | 602892.1 | 452297.6 | 0.0 | S |
| 150.867 | 0.0000 | 0.0000 | 81.453 | 0.18449 | 0.00000 | 602892.1 | 452303.1 | 0.0 | S |
| 150.875 | 0.0000 | 0.0000 | 81.453 | 0.18448 | 0.00000 | 602892.1 | 452308.7 | 0.0 | S |
| 150.883 | 0.0000 | 0.0000 | 81.453 | 0.18447 | 0.00000 | 602892.1 | 452314.2 | 0.0 | S |
| 150.892 | 0.0000 | 0.0000 | 81.453 | 0.18446 | 0.00000 | 602892.1 | 452319.7 | 0.0 | S |
| 150.900 | 0.0000 | 0.0000 | 81.453 | 0.18445 | 0.00000 | 602892.1 | 452325.3 | 0.0 | S |
| 150.908 | 0.0000 | 0.0000 | 81.453 | 0.18444 | 0.00000 | 602892.1 | 452330.8 | 0.0 | S |
| 150.917 | 0.0000 | 0.0000 | 81.453 | 0.18443 | 0.00000 | 602892.1 | 452336.3 | 0.0 | S |
| 150.925 | 0.0000 | 0.0000 | 81.453 | 0.18442 | 0.00000 | 602892.1 | 452341.9 | 0.0 | S |
| 150.933 | 0.0000 | 0.0000 | 81.452 | 0.18441 | 0.00000 | 602892.1 | 452347.4 | 0.0 | S |
| 150.942 | 0.0000 | 0.0000 | 81.452 | 0.18440 | 0.00000 | 602892.1 | 452352.9 | 0.0 | S |
| 150.950 | 0.0000 | 0.0000 | 81.452 | 0.18438 | 0.00000 | 602892.1 | 452358.5 | 0.0 | S |
| 150.958 | 0.0000 | 0.0000 | 81.452 | 0.18437 | 0.00000 | 602892.1 | 452364.0 | 0.0 | S |
| 150.967 | 0.0000 | 0.0000 | 81.452 | 0.18436 | 0.00000 | 602892.1 | 452369.5 | 0.0 | S |
| 150.975 | 0.0000 | 0.0000 | 81.452 | 0.18435 | 0.00000 | 602892.1 | 452375.1 | 0.0 | S |
| 150.983 | 0.0000 | 0.0000 | 81.452 | 0.18434 | 0.00000 | 602892.1 | 452380.6 | 0.0 | S |
| 150.992 | 0.0000 | 0.0000 | 81.452 | 0.18433 | 0.00000 | 602892.1 | 452386.1 | 0.0 | S |
| 151.000 | 0.0000 | 0.0000 | 81.452 | 0.18432 | 0.00000 | 602892.1 | 452391.7 | 0.0 | S |
| 151.008 | 0.0000 | 0.0000 | 81.452 | 0.18431 | 0.00000 | 602892.1 | 452397.2 | 0.0 | S |
| 151.017 | 0.0000 | 0.0000 | 81.451 | 0.18430 | 0.00000 | 602892.1 | 452402.7 | 0.0 | S |
| 151.025 | 0.0000 | 0.0000 | 81.451 | 0.18429 | 0.00000 | 602892.1 | 452408.2 | 0.0 | S |
| 151.033 | 0.0000 | 0.0000 | 81.451 | 0.18428 | 0.00000 | 602892.1 | 452413.8 | 0.0 | S |
| 151.042 | 0.0000 | 0.0000 | 81.451 | 0.18427 | 0.00000 | 602892.1 | 452419.3 | 0.0 | S |
| 151.050 | 0.0000 | 0.0000 | 81.451 | 0.18426 | 0.00000 | 602892.1 | 452424.8 | 0.0 | S |
| 151.058 | 0.0000 | 0.0000 | 81.451 | 0.18425 | 0.00000 | 602892.1 | 452430.3 | 0.0 | S |
| 151.067 | 0.0000 | 0.0000 | 81.451 | 0.18424 | 0.00000 | 602892.1 | 452435.9 | 0.0 | S |
| 151.075 | 0.0000 | 0.0000 | 81.451 | 0.18423 | 0.00000 | 602892.1 | 452441.4 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside <br> Recharge (f/day) | Stage Elevation ( 1 d datum) | Infiltration Rate ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Ovenlow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\left(\mathrm{fl}^{3}\right)$ | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 151.083 | 0.0000 | 0.0000 | 81.451 | 0.18422 | 0.00000 | 602892.1 | 452446.9 | 0.0 | S |
| 151.092 | 0.0000 | 0.0000 | 81.450 | 0.18421 | 0.00000 | 602892.1 | 452452.4 | 0.0 | S |
| 151.100 | 0.0000 | 0.0000 | 81.450 | 0.18419 | 0.00000 | 602892.1 | 452458.0 | 0.0 | 5 |
| 151.108 | 0.0000 | 0.0000 | 81.450 | 0.18418 | 0.00000 | 602892.1 | 452463.5 | 0.0 | S |
| 151.117 | 0.0000 | 0.0000 | 81.450 | 0.18417 | 0.00000 | 602892.1 | 452469.0 | 0.0 | S |
| 151.125 | 0.0000 | 0.0000 | 81.450 | 0.18416 | 0.00000 | 602892.1 | 452474.6 | 0.0 | S |
| 151.133 | 0.0000 | 0.0000 | 81.450 | 0.18415 | 0.00000 | 602892.1 | 452480.1 | 0.0 | S |
| 151.142 | 0.0000 | 0.0000 | 81.450 | 0.18414 | 0.00000 | 602892.1 | 452485.6 | 0.0 | S |
| 151.150 | 0.0000 | 0.0000 | 81.450 | 0.18413 | 0.00000 | 602892.1 | 452491.1 | 0.0 | S |
| 151.158 | 0.0000 | 0.0000 | 81.450 | 0.18412 | 0.00000 | 602892.1 | 452496.7 | 0.0 | S |
| 151.167 | 0.0000 | 0.0000 | 81.450 | 0.18411 | 0.00000 | 602892.1 | 452502.2 | 0.0 | S |
| 151.175 | 0.0000 | 0.0000 | 81.449 | 0.18410 | 0.00000 | 602892.1 | 452507.7 | 0.0 | S |
| 151.183 | 0.0000 | 0.0000 | 81.449 | 0.18409 | 0.00000 | 602892.1 | 452513.2 | 0.0 | S |
| 151.192 | 0.0000 | 0.0000 | 81.449 | 0.18408 | 0.00000 | 602892.1 | 452518.8 | 0.0 | S |
| 151.200 | 0.0000 | 0.0000 | 81.449 | 0.18407 | 0.00000 | 602892.1 | 452524.3 | 0.0 | S |
| 151.208 | 0.0000 | 0.0000 | 81.449 | 0.18406 | 0.00000 | 602892.1 | 452529.8 | 0.0 | S |
| 151.217 | 0.0000 | 0.0000 | 81.449 | 0.18405 | 0.00000 | 602892.1 | 452535.3 | 0.0 | S |
| 151.225 | 0.0000 | 0.0000 | 81.449 | 0.18404 | 0.00000 | 602892.1 | 452540.8 | 0.0 | S |
| 151.233 | 0.0000 | 0.0000 | 81.449 | 0.18403 | 0.00000 | 602892.1 | 452546.3 | 0.0 | S |
| 151.242 | 0.0000 | 0.0000 | 81.449 | 0.18402 | 0.00000 | 602892.1 | 452551.9 | 0.0 | S |
| 151.250 | 0.0000 | 0.0000 | 81.449 | 0.18401 | 0.00000 | 602892.1 | 452557.4 | 0.0 | S |
| 151.258 | 0.0000 | 0.0000 | 81.448 | 0.18399 | 0.00000 | 602892.1 | 452562.9 | 0.0 | S |
| 151.267 | 0.0000 | 0.0000 | 81.448 | 0.18398 | 0.00000 | 602892.1 | 452568.4 | 0.0 | S |
| 151.275 | 0.0000 | 0.0000 | 81.448 | 0.18397 | 0.00000 | 602892.1 | 452573.9 | 0.0 | S |
| 151.283 | 0.0000 | 0.0000 | 81.448 | 0.18396 | 0.00000 | 602892.1 | 452579.5 | 0.0 | S |
| 151.292 | 0.0000 | 0.0000 | 81.448 | 0.18395 | 0.00000 | 602892.1 | 452585.0 | 0.0 | S |
| 151.300 | 0.0000 | 0.0000 | 81.448 | 0.18394 | 0.00000 | 602892.1 | 452590.5 | 0.0 | S |
| 151.308 | 0.0000 | 0.0000 | 81.448 | 0.18393 | 0.00000 | 602892.1 | 452596.0 | 0.0 | S |
| 151.317 | 0.0000 | 0.0000 | 81.448 | 0.18392 | 0.00000 | 602892.1 | 452601.5 | 0.0 | S |
| 151.325 | 0.0000 | 0.0000 | 81.448 | 0.18391 | 0.00000 | 602892.1 | 452607.1 | 0.0 | S |
| 151.333 | 0.0000 | 0.0000 | 81.448 | 0.18390 | 0.00000 | 602892.1 | 452612.6 | 0.0 | S |
| 151.342 | 0.0000 | 0.0000 | 81.447 | 0.18389 | 0.00000 | 602892.1 | 452618.1 | 0.0 | S |
| 151.350 | 0.0000 | 0.0000 | 81.447 | 0.18388 | 0.00000 | 602892.1 | 452623.6 | 0.0 | S |
| 151.358 | 0.0000 | 0.0000 | 81.447 | 0.18387 | 0.00000 | 602892.1 | 452629.1 | 0.0 | S |
| 151.367 | 0.0000 | 0.0000 | 81.447 | 0.18386 | 0.00000 | 602892.1 | 452634.6 | 0.0 | S |
| 151.375 | 0.0000 | 0.0000 | 81.447 | 0.18385 | 0.00000 | 602892.1 | 452640.2 | 0.0 | S |
| 151.383 | 0.0000 | 0.0000 | 81.447 | 0.18384 | 0.00000 | 602892.1 | 452645.7 | 0.0 | S |
| 151.392 | 0.0000 | 0.0000 | 81.447 | 0.18383 | 0.00000 | 602892.1 | 452651.2 | 0.0 | S |
| \$51.400 | 0.0000 | 0.0000 | 81.447 | 0.18382 | 0.00000 | 602892.1 | 452656.7 | 0.0 | S |
| 151.408 | 0.0000 | 0.0000 | 81.447 | 0.18381 | 0.00000 | 602892.1 | 452662.2 | 0.0 | S |
| 151.417 | 0.0000 | 0.0000 | 81.447 | 0.18380 | 0.00000 | 602892.1 | 452667.7 | 0.0 | S |
| 151.425 | 0.0000 | 0.0000 | 81.446 | 0.18378 | 0.00000 | 602892.1 | 452673.3 | 0.0 | S |
| 151.433 | 0.0000 | 0.0000 | 81.446 | 0.18377 | 0.00000 | 602892.1 | 452678.8 | 0.0 | S |
| 151.442 | 0.0000 | 0.0000 | 81.446 | 0.18376 | 0.00000 | 602892.1 | 452684.3 | 0.0 | S |
| 151.450 | 0.0000 | 0.0000 | 81.446 | 0.18375 | 0.00000 | 602892.1 | 452689.8 | 0.0 | S |
| 151.458 | 0.0000 | 0.0000 | 81.446 | 0.18374 | 0.00000 | 602892.1 | 452695.3 | 0.0 | S |
| 151.467 | 0.0000 | 0.0000 | 81.446 | 0.18373 | 0.00000 | 602892.1 | 452700.8 | 0.0 | S |
| 151.475 | 0.0000 | 0.0000 | 81.446 | 0.18372 | 0.00000 | 602892.1 | 452706.3 | 0.0 | S |
| 151.483 | 0.0000 | 0.0000 | 81.446 | 0.18371 | 0.00000 | 602892.1 | 452711.8 | 0.0 | S |
| 151.492 | 0.0000 | 0.0000 | 81.446 | 0.18370 | 0.00000 | 602892.1 | 452717.3 | 0.0 | S |
| 151.500 | 0.0000 | 0.0000 | 81.445 | 0.18369 | 0.00000 | 602892.1 | 452722.8 | 0.0 | S |
| 151.508 | 0.0000 | 0.0000 | 81.445 | 0.18368 | 0.00000 | 602892.1 | 452728.4 | 0.0 | S |
| 151.517 | 0.0000 | 0.0000 | 81.445 | 0.18367 | 0.00000 | 602892.1 | 452733.9 | 0.0 | S |
| 151.525 | 0.0000 | 0.0000 | 81.445 | 0.18366 | 0.00000 | 602892.1 | 452739.4 | 0.0 | S |
| 151.533 | 0.0000 | 0.0000 | 81.445 | 0.18365 | 0.00000 | 602892.1 | 452744.9 | 0.0 | S |
| 151.542 | 0.0000 | 0.0000 | 81.445 | 0.18364 | 0.00000 | 602892.1 | 452750.4 | 0.0 | S |
| 151.550 | 0.0000 | 0.0000 | 81.445 | 0.18363 | 0.00000 | 602892.1 | 452755.9 | 0.0 | S |
| 151.558 | 0.0000 | 0.0000 | 81.445 | 0.18362 | 0.00000 | 602892.1 | 452761.4 | 0.0 | S |
| 151.567 | 0.0000 | 0.0000 | 81.445 | 0.18361 | 0.00000 | 602892.1 | 452766.9 | 0.0 | S |
| 151.575 | 0.0000 | 0.0000 | 81.445 | 0.18360 | 0.00000 | 602892.1 | 452772.4 | 0.0 | S |
| 151.583 | 0.0000 | 0.0000 | 81.444 | 0.18359 | 0.00000 | 602892.1 | 452777.9 | 0.0 | S |
| 151.592 | 0.0000 | 0.0000 | 81.444 | 0.18357 | 0.00000 | 602892.1 | 452783.4 | 0.0 | S |
| 151.600 | 0.0000 | 0.0000 | 81.444 | 0.18356 | 0.00000 | 602892.1 | 452789.0 | 0.0 | S |
| 151.608 | 0.0000 | 0.0000 | 81.444 | 0.18355 | 0.00000 | 602892.1 | 452794.5 | 0.0 | S |
| 151.617 | 0.0000 | 0.0000 | 81.444 | 0.18354 | 0.00000 | 602892.1 | 452800.0 | 0.0 | S |
| 151.625 | 0.0000 | 0.0000 | 81.444 | 0.18353 | 0.00000 | 602892.1 | 452805.5 | 0.0 | S |
| 151.633 | 0.0000 | 0.0000 | 81.444 | 0.18352 | 0.00000 | 602892.1 | 452811.0 | 0.0 | S |
| 151.642 | 0.0000 | 0.0000 | 81.444 | 0.18351 | 0.00000 | 602892.1 | 452816.5 | 0.0 | S |
| 151.650 | 0.0000 | 0.0000 | 81.444 | 0.18350 | 0.00000 | 602892.1 | 452822.0 | 0.0 | S |
| 151.658 | 0.0000 | 0.0000 | 81.444 | 0.18349 | 0.00000 | 602892.1 | 452827.5 | 0.0 | S |
| 151.667 | 0.0000 | 0.0000 | 81.443 | 0.18348 | 0.00000 | 602892.1 | 452833.0 | 0.0 | S |
| 151.675 | 0.0000 | 0.0000 | 81.443 | 0.18347 | 0.00000 | 602892.1 | 452838.5 | 0.0 | S |
| 151.683 | 0.0000 | 0.0000 | 81.443 | 0.18346 | 0.00000 | 602892.1 | 452844.0 | 0.0 | S |
| 151.692 | 0.0000 | 0.0000 | 81.443 | 0.18345 | 0.00000 | 602892.1 | 452849.5 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infittration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 151.700 | 0.0000 | 0.0000 | 81.443 | 0.18344 | 0.00000 | 602892.1 | 452855.0 | 0.0 | S |
| 151.708 | 0.0000 | 0.0000 | 81.443 | 0.18343 | 0.00000 | 602892.1 | 452860.5 | 0.0 | S |
| 151.717 | 0.0000 | 0.0000 | 81.443 | 0.18342 | 0.00000 | 602892.1 | 452866.0 | 0.0 | S |
| 151.725 | 0.0000 | 0.0000 | 81.443 | 0.18341 | 0.00000 | 602892.1 | 452871.5 | 0.0 | S |
| 151.733 | 0.0000 | 0.0000 | 81.443 | 0.18340 | 0.00000 | 602892.1 | 452877.0 | 0.0 | S |
| 151.742 | 0.0000 | 0.0000 | 81.443 | 0.18339 | 0.00000 | 602892.1 | 452882.5 | 0.0 | S |
| 151.750 | 0.0000 | 0.0000 | 81.442 | 0.18338 | 0.00000 | 602892.1 | 452888.0 | 0.0 | S |
| 151.758 | 0.0000 | 0.0000 | 81.442 | 0.18337 | 0.00000 | 602892.1 | 452893.5 | 0.0 | S |
| 151.767 | 0.0000 | 0.0000 | 81.442 | 0.18336 | 0.00000 | 602892.1 | 452899.0 | 0.0 | S |
| 151.775 | 0.0000 | 0.0000 | 81.442 | 0.18334 | 0.00000 | 602892.1 | 452904.5 | 0.0 | S |
| 151.783 | 0.0000 | 0.0000 | 81.442 | 0.18333 | 0.00000 | 602892.1 | 452910.0 | 0.0 | S |
| 151.792 | 0.0000 | 0.0000 | 81.442 | 0.18332 | 0.00000 | 602892.1 | 452915.5 | 0.0 | S |
| 151.800 | 0.0000 | 0.0000 | 81.442 | 0.18331 | 0.00000 | 602892.1 | 452921.0 | 0.0 | S |
| 151.808 | 0.0000 | 0.0000 | 81.442 | 0.18330 | 0.00000 | 602892.1 | 452926.5 | 0.0 | S |
| 151.817 | 0.0000 | 0.0000 | 81.442 | 0.18329 | 0.00000 | 602892.1 | 452932.0 | 0.0 | S |
| 151.825 | 0.0000 | 0.0000 | 81.442 | 0.18328 | 0.00000 | 602892.1 | 452937.5 | 0.0 | S |
| 151.833 | 0.0000 | 0.0000 | 81.441 | 0.18327 | 0.00000 | 602892.1 | 452943.0 | 0.0 | S |
| 151.842 | 0.0000 | 0.0000 | 81.441 | 0.18326 | 0.00000 | 602892.1 | 452948.5 | 0.0 | S |
| 151.850 | 0.0000 | 0.0000 | 81.441 | 0.18325 | 0.00000 | 602892.1 | 452954.0 | 0.0 | S |
| 151.858 | 0.0000 | 0.0000 | 81.441 | 0.18324 | 0.00000 | 602892.1 | 452959.5 | 0.0 | S |
| 151.867 | 0.0000 | 0.0000 | 81.441 | 0.18323 | 0.00000 | 602892.1 | 452965.0 | 0.0 | S |
| 151.875 | 0.0000 | 0.0000 | 81.441 | 0.18322 | 0.00000 | 602892.1 | 452970.5 | 0.0 | S |
| 151.883 | 0.0000 | 0.0000 | 81.441 | 0.18321 | 0.00000 | 602892.1 | 452976.0 | 0.0 | S |
| 151.892 | 0.0000 | 0.0000 | 81.441 | 0.18320 | 0.00000 | 602892.1 | 452981.5 | 0.0 | S |
| 151.900 | 0.0000 | 0.0000 | 81.441 | 0.18319 | 0.00000 | 602892.1 | 452987.0 | 0.0 | S |
| 151.908 | 0.0000 | 0.0000 | 81.441 | 0.18318 | 0.00000 | 602892.1 | 452992.5 | 0.0 | S |
| 151.917 | 0.0000 | 0.0000 | 81.440 | 0.18317 | 0.00000 | 602892.1 | 452998.0 | 0.0 | S |
| 151.925 | 0.0000 | 0.0000 | 81.440 | 0.18316 | 0.00000 | 602892.1 | 453003.5 | 0.0 | S |
| 151.933 | 0.0000 | 0.0000 | 81.440 | 0.18315 | 0.00000 | 602892.1 | 453009.0 | 0.0 | S |
| 151.942 | 0.0000 | 0.0000 | 81.440 | 0.18314 | 0.00000 | 602892.1 | 453014.5 | 0.0 | S |
| 151.950 | 0.0000 | 0.0000 | 81.440 | 0.18313 | 0.00000 | 602892.1 | 453020.0 | 0.0 | S |
| 151.958 | 0.0000 | 0.0000 | 81.440 | 0.18312 | 0.00000 | 602892.1 | 453025.5 | 0.0 | S |
| 151.967 | 0.0000 | 0.0000 | 81.440 | 0.18310 | 0.00000 | 602892.1 | 453031.0 | 0.0 | S |
| 151.975 | 0.0000 | 0.0000 | 81.440 | 0.18309 | 0.00000 | 602892.1 | 453036.4 | 0.0 | S |
| 151.983 | 0.0000 | 0.0000 | 81.440 | 0.18308 | 0.00000 | 602892.1 | 453041.9 | 0.0 | S |
| 151.992 | 0.0000 | 0.0000 | 81.439 | 0.18307 | 0.00000 | 602892.1 | 453047.4 | 0.0 | S |
| 152.000 | 0.0000 | 0.0000 | 81.439 | 0.18306 | 0.00000 | 602892.1 | 453052.9 | 0.0 | S |
| 152.008 | 0.0000 | 0.0000 | 81.439 | 0.18305 | 0.00000 | 602892.1 | 453058.4 | 0.0 | S |
| 152.017 | 0.0000 | 0.0000 | 81.439 | 0.18304 | 0.00000 | 602892.1 | 453063.9 | 0.0 | S |
| 152.025 | 0.0000 | 0.0000 | 81.439 | 0.18303 | 0.00000 | 602892.1 | 453069.4 | 0.0 | S |
| 152.033 | 0.0000 | 0.0000 | 81.439 | 0.18302 | 0.00000 | 602892.1 | 453074.9 | 0.0 | S |
| 152.042 | 0.0000 | 0.0000 | 81.439 | 0.18301 | 0.00000 | 602892.1 | 453080.4 | 0.0 | S |
| 152.050 | 0.0000 | 0.0000 | 81.439 | 0.18300 | 0.00000 | 602892.1 | 453085.9 | 0.0 | S |
| 152.058 | 0.0000 | 0.0000 | 81.439 | 0.18299 | 0.00000 | 602892.1 | 453091.4 | 0.0 | S |
| 152.067 | 0.0000 | 0.0000 | 81.439 | 0.18298 | 0.00000 | 602892.1 | 453096.8 | 0.0 | S |
| 152.075 | 0.0000 | 0.0000 | 81.438 | 0.18297 | 0.00000 | 602892.1 | 453102.3 | 0.0 | S |
| 152.083 | 0.0000 | 0.0000 | 81.438 | 0.18296 | 0.00000 | 602892.1 | 453107.8 | 0.0 | S |
| 152.092 | 0.0000 | 0.0000 | 81.438 | 0.18295 | 0.00000 | 602892.1 | 453113.3 | 0.0 | S |
| 152.100 | 0.0000 | 0.0000 | 81.438 | 0.18294 | 0.00000 | 602892.1 | 453118.8 | 0.0 | S |
| 152,108 | 0.0000 | 0.0000 | 81.438 | 0.18293 | 0.00000 | 602892.1 | 453124.3 | 0.0 | S |
| 152,117 | 0.0000 | 0.0000 | 81.438 | 0.18292 | 0.00000 | 602892.1 | 453129.8 | 0.0 | S |
| 152.125 | 0.0000 | 0.0000 | 81.438 | 0.18291 | 0.00000 | 602892.1 | 453135.3 | 0.0 | S |
| 152.133 | 0.0000 | 0.0000 | 81.438 | 0.18290 | 0.00000 | 602892.1 | 453140.8 | 0.0 | S |
| 152.142 | 0.0000 | 0.0000 | 81.438 | 0.18289 | 0.00000 | 602892.1 | 453146.3 | 0.0 | S |
| 152.150 | 0.0000 | 0.0000 | 81.438 | 0.18288 | 0.00000 | 602892.1 | 453151.7 | 0.0 | S |
| 152.158 | 0.0000 | 0.0000 | 81.437 | 0.18287 | 0.00000 | 602892.1 | 453157.2 | 0.0 | S |
| 152.167 | 0.0000 | 0.0000 | 81.437 | 0.18285 | 0.00000 | 602892.1 | 453162.7 | 0.0 | S |
| 152.175 | 0.0000 | 0.0000 | 81.437 | 0.18284 | 0.00000 | 602892.1 | 453168.2 | 0.0 | S |
| 152.183 | 0.0000 | 0.0000 | 81.437 | 0.18283 | 0.00000 | 602892.1 | 453173.7 | 0.0 | S |
| 152.192 | 0.0000 | 0.0000 | 81.437 | 0.18282 | 0.00000 | 602892.1 | 453179.2 | 0.0 | S |
| 152.200 | 0.0000 | 0.0000 | 81.437 | 0.18281 | 0.00000 | 602892.1 | 453184.7 | 0.0 | S |
| 152.208 | 0.0000 | 0.0000 | 81.437 | 0.18280 | 0.00000 | 602892.1 | 453190.1 | 0.0 | S |
| 152.217 | 0.0000 | 0.0000 | 81.437 | 0.18279 | 0.00000 | 602892.1 | 453195.6 | 0.0 | S |
| 152.225 | 0.0000 | 0.0000 | 81.437 | 0.18278 | 0.00000 | 602892.1 | 453201.1 | 0.0 | S |
| 152.233 | 0.0000 | 0.0000 | 81.437 | 0.18277 | 0.00000 | 602892.1 | 453206.6 | 0.0 | S |
| 152.242 | 0.0000 | 0.0000 | 81.436 | 0.18276 | 0.00000 | 602892.1 | 453212.1 | 0.0 | S |
| 152.250 | 0.0000 | 0.0000 | 81.436 | 0.18275 | 0.00000 | 602892.1 | 453217.5 | 0.0 | S |
| 152.258 | 0.0000 | 0.0000 | 81.436 | 0.18274 | 0.00000 | 602892.1 | 453223.0 | 0.0 | S |
| 152.267 | 0.0000 | 0.0000 | 81.436 | 0.18273 | 0.00000 | 602892.1 | 453228.5 | 0.0 | S |
| 152.275 | 0.0000 | 0.0000 | 81.436 | 0.18272 | 0.00000 | 602892.1 | 453234.0 | 0.0 | S |
| 152.283 | 0.0000 | 0.0000 | 81.436 | 0.18271 | 0.00000 | 602892.1 | 453239.5 | 0.0 | S |
| 152,292 | 0.0000 | 0.0000 | 81.436 | 0.18270 | 0.00000 | 602892.1 | 453245.0 | 0.0 | S |
| 152.300 | 0.0000 | 0.0000 | 81.436 | 0.18269 | 0.00000 | 602892.1 | 453250.4 | 0.0 | S |
| 152.308 | 0.0000 | 0.0000 | 81.436 | 0.18268 | 0.00000 | 602892.1 | 453255.9 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario $1::$ pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate (ft $\left.{ }^{3} / \mathrm{s}\right)$ | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate (fits) | Overflow Discharge ( $\mathrm{f}^{3 / 3}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative <br> Discharge <br> Volume ( $\mathrm{ft}^{3}$ ) | $\begin{aligned} & \text { Flow } \\ & \text { Type } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 152.317 | 0.0000 | 0.0000 | 81.436 | 0.18267 | 0.00000 | 602892.1 | 453261.4 | 0.0 | S |
| 152.325 | 0.0000 | 0.0000 | 81.435 | 0.18266 | 0.00000 | 602892.1 | 453266.9 | 0.0 | S |
| 152.333 | 0.0000 | 0.0000 | 81.435 | 0.18265 | 0.00000 | 602892.1 | 453272.3 | 0.0 | S |
| 152.342 | 0.0000 | 0.0000 | 81.435 | 0.18264 | 0.00000 | 602892.1 | 453277.8 | 0.0 | S |
| 152.350 | 0.0000 | 0.0000 | 81.435 | 0.18263 | 0.00000 | 602892.1 | 453283.3 | 0.0 | S |
| \$52.358 | 0.0000 | 0.0000 | 81.435 | 0.18262 | 0.00000 | 602892.1 | 453288.8 | 0.0 | S |
| 152.367 | 0.0000 | 0.0000 | 81.435 | 0.18261 | 0.00000 | 602892.1 | 453294.3 | 0.0 | S |
| 152.375 | 0.0000 | 0.0000 | 81.435 | 0.18260 | 0.00000 | 602892.1 | 453299.8 | 0.0 | S |
| 152.383 | 0.0000 | 0.0000 | 81.435 | 0.18258 | 0.00000 | 602892.1 | 453305.2 | 0.0 | S |
| 152.392 | 0.0000 | 0.0000 | 81.435 | 0.18257 | 0.00000 | 602892.1 | 453310.7 | 0.0 | S |
| 152.400 | 0.0000 | 0.0000 | 81.434 | 0.18256 | 0.00000 | 602892.1 | 453316.2 | 0.0 | S |
| 152.408 | 0.0000 | 0.0000 | 81.434 | 0.18255 | 0.00000 | 602892.1 | 453321.7 | 0.0 | S |
| 152.417 | 0.0000 | 0.0000 | 81.434 | 0.18254 | 0.00000 | 602892.1 | 453327.1 | 0.0 | S |
| 152.425 | 0.0000 | 0.0000 | 81.434 | 0.18253 | 0.00000 | 602892.1 | 453332.6 | 0.0 | S |
| 152.433 | 0.0000 | 0.0000 | 81.434 | 0.18252 | 0.00000 | 602892.1 | 453338.1 | 0.0 | S |
| 152.442 | 0.0000 | 0.0000 | 81.434 | 0.18251 | 0.00000 | 602892.1 | 453343.6 | 0.0 | S |
| 152.450 | 0.0000 | 0.0000 | 81.434 | 0.18250 | 0.00000 | 602892.1 | 453349.0 | 0.0 | S |
| 152.458 | 0.0000 | 0.0000 | 81.434 | 0.18249 | 0.00000 | 602892.1 | 453354.5 | 0.0 | S |
| 152.467 | 0.0000 | 0.0000 | 81.434 | 0.18248 | 0.00000 | 602892.1 | 453360.0 | 0.0 | S |
| 152.475 | 0.0000 | 0.0000 | 81.434 | 0.18247 | 0.00000 | 602892.1 | 453365.5 | 0.0 | S |
| 152.483 | 0.0000 | 0.0000 | 81.433 | 0.18246 | 0.00000 | 602892.1 | 453370.9 | 0.0 | S |
| 152.492 | 0.0000 | 0.0000 | 81.433 | 0.18245 | 0.00000 | 602892.1 | 453376.4 | 0.0 | S |
| 152.500 | 0.0000 | 0.0000 | 81.433 | 0.18244 | 0.00000 | 602892.1 | 453381.9 | 0.0 | S |
| 152.508 | 0.0000 | 0.0000 | 81.433 | 0.18243 | 0.00000 | 602892.1 | 453387.3 | 0.0 | S |
| 152.517 | 0.0000 | 0.0000 | 81.433 | 0.18242 | 0.00000 | 602892.1 | 453392.8 | 0.0 | S |
| 152.525 | 0.0000 | 0.0000 | 81.433 | 0.18241 | 0.00000 | 602892.1 | 453398.3 | 0.0 | S |
| 152.533 | 0.0000 | 0.0000 | 81.433 | 0.18240 | 0.00000 | 602892.1 | 453403.8 | 0.0 | S |
| 152.542 | 0.0000 | 0.0000 | 81.433 | 0.18239 | 0.00000 | 602892.1 | 453409.3 | 0.0 | S |
| 152.550 | 0.0000 | 0.0000 | 81.433 | 0.18238 | 0.00000 | 602892.1 | 453414.7 | 0.0 | S |
| 152.558 | 0.0000 | 0.0000 | 81.433 | 0.18237 | 0.00000 | 602892.1 | 453420.2 | 0.0 | S |
| 152.567 | 0.0000 | 0.0000 | 81.432 | 0.18236 | 0.00000 | 602892.1 | 453425.7 | 0.0 | S |
| 152.575 | 0.0000 | 0.0000 | 81.432 | 0.18235 | 0.00000 | 602892.1 | 453431.1 | 0.0 | S |
| 152.583 | 0.0000 | 0.0000 | 81.432 | 0.18234 | 0.00000 | 602892.1 | 453436.6 | 0.0 | S |
| 152.592 | 0.0000 | 0.0000 | 81.432 | 0.18233 | 0.00000 | 602892.1 | 453442.1 | 0.0 | S |
| 152.600 | 0.0000 | 0.0000 | 81.432 | 0.18232 | 0.00000 | 602892.1 | 453447.5 | 0.0 | S |
| 152.608 | 0.0000 | 0.0000 | 81.432 | 0.18230 | 0.00000 | 602892.1 | 453453.0 | 0.0 | S |
| 152.617 | 0.0000 | 0.0000 | 81.432 | 0.18229 | 0.00000 | 602892.1 | 453458.5 | 0.0 | S |
| 152.625 | 0.0000 | 0.0000 | 81.432 | 0.18228 | 0.00000 | 602892.1 | 453463.9 | 0.0 | S |
| 152.633 | 0.0000 | 0.0000 | 81.432 | 0.18227 | 0.00000 | 602892.1 | 453469.4 | 0.0 | S |
| 152.642 | 0.0000 | 0.0000 | 81.432 | 0.18226 | 0.00000 | 602892.1 | 453474.9 | 0.0 | S |
| 152.650 | 0.0000 | 0.0000 | 81.431 | 0.18225 | 0.00000 | 602892.1 | 453480.3 | 0.0 | S |
| 152.658 | 0.0000 | 0.0000 | 81.431 | 0.18224 | 0.00000 | 602892.1 | 453485.8 | 0.0 | S |
| 152.667 | 0.0000 | 0.0000 | 81.431 | 0.18223 | 0.00000 | 602892.1 | 453491.3 | 0.0 | S |
| 152.675 | 0.0000 | 0.0000 | 81.431 | 0.18222 | 0.00000 | 602892.1 | 453496.8 | 0.0 | S |
| 152.683 | 0.0000 | 0.0000 | 81.431 | 0.18221 | 0.00000 | 602892.1 | 453502.2 | 0.0 | S |
| 152.692 | 0.0000 | 0.0000 | 81.431 | 0.18220 | 0.00000 | 602892.1 | 453507.7 | 0.0 | S |
| 152.700 | 0.0000 | 0.0000 | 81.431 | 0.18219 | 0.00000 | 602892.1 | 453513.2 | 0.0 | S |
| 152.708 | 0.0000 | 0.0000 | 81.431 | 0.18218 | 0.00000 | 602892.1 | 453518.6 | 0.0 | S |
| 152.717 | 0.0000 | 0.0000 | 81.431 | 0.18217 | 0.00000 | 602892.1 | 453524.1 | 0.0 | S |
| 152.725 | 0.0000 | 0.0000 | 81.431 | 0.18216 | 0.00000 | 602892.1 | 453529.5 | 0.0 | S |
| 152.733 | 0.0000 | 0.0000 | 81.430 | 0.18215 | 0.00000 | 602892.1 | 453535.0 | 0.0 | S |
| 152.742 | 0.0000 | 0.0000 | 81.430 | 0.18214 | 0.00000 | 602892.1 | 453540.5 | 0.0 | S |
| $\uparrow 52.750$ | 0.0000 | 0.0000 | 81.430 | 0.18213 | 0.00000 | 602892.1 | 453545.9 | 0.0 | S |
| 152.758 | 0.0000 | 0.0000 | 81.430 | 0.18212 | 0.00000 | 602892.1 | 453551.4 | 0.0 | S |
| 152.767 | 0.0000 | 0.0000 | 81.430 | 0.18211 | 0.00000 | 602892.1 | 453556.9 | 0.0 | S |
| 152.775 | 0.0000 | 0.0000 | 81.430 | 0.18210 | 0.00000 | 602892.1 | 453562.3 | 0.0 | S |
| 152.783 | 0.0000 | 0.0000 | 81.430 | 0.18209 | 0.00000 | 602892.1 | 453567.8 | 0.0 | S |
| 152.792 | 0.0000 | 0.0000 | 81.430 | 0.18208 | 0.00000 | 602892.1 | 453573.3 | 0.0 | S |
| 152.800 | 0.0000 | 0.0000 | 81.430 | 0.18207 | 0.00000 | 602892.1 | 453578.7 | 0.0 | S |
| 152.808 | 0.0000 | 0.0000 | 81.430 | 0.18206 | 0.00000 | 602892.1 | 453584.2 | 0.0 | S |
| 152.817 | 0.0000 | 0.0000 | 81.429 | 0.18205 | 0.00000 | 602892.1 | 453589.6 | 0.0 | S |
| 152.825 | 0.0000 | 0.0000 | 81.429 | 0.18204 | 0.00000 | 602892.1 | 453595.1 | 0.0 | S |
| 152.833 | 0.0000 | 0.0000 | 81.429 | 0.18203 | 0.00000 | 602892.1 | 453600.6 | 0.0 | S |
| 152.842 | 0.0000 | 0.0000 | 81.429 | 0.18202 | 0.00000 | 602892.1 | 453606.0 | 0.0 | S |
| 152.850 | 0.0000 | 0.0000 | 81.429 | 0.18201 | 0.00000 | 602892.1 | 453611.5 | 0.0 | S |
| 152.858 | 0.0000 | 0.0000 | 81.429 | 0.18200 | 0.00000 | 602892.1 | 453616.9 | 0.0 | S |
| 152.867 | 0.0000 | 0.0000 | 81.429 | 0.18198 | 0.00000 | 602892.1 | 453622.4 | 0.0 | S |
| 152.875 | 0.0000 | 0.0000 | 81.429 | 0.18197 | 0.00000 | 602892.1 | 453627.9 | 0.0 | S |
| 152.883 | 0.0000 | 0.0000 | 81.429 | 0.18196 | 0.00000 | 602892.1 | 453633.3 | 0.0 | S |
| 152.892 | 0.0000 | 0.0000 | 81.429 | 0.18195 | 0.00000 | 602892.1 | 453638.8 | 0.0 | S |
| 152.900 | 0.0000 | 0.0000 | 81.428 | 0.18194 | 0.00000 | 602892.1 | 453644.3 | 0.0 | S |
| 152.908 | 0.0000 | 0.0000 | 81.428 | 0.18193 | 0.00000 | 602892.1 | 453649.7 | 0.0 | S |
| 152.917 | 0.0000 | 0.0000 | 81.428 | 0.18192 | 0.00000 | 602892.1 | 453655.2 | 0.0 | S |
| 152.925 | 0.0000 | 0.0000 | 81.428 | 0.18191 | 0.00000 | 602892.1 | 453660.6 | 0.0 | S |

# PONDS Version 3.2.0207 <br> Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E. 

Detailed Results (cont,d.) :: Scenario $1::$ pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Infilitration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 152.933 | 0.0000 | 0.0000 | 81.428 | 0.18190 | 0.00000 | 602892.1 | 453666.1 | 0.0 | S |
| 152.942 | 0.0000 | 0.0000 | 81.428 | 0.18189 | 0.00000 | 602892.1 | 453671.5 | 0.0 | S |
| 152.950 | 0.0000 | 0.0000 | 81.428 | 0.18188 | 0.00000 | 602892.1 | 453677.0 | 0.0 | S |
| 152.958 | 0.0000 | 0.0000 | 81.428 | 0.18187 | 0.00000 | 602892.1 | 453682.4 | 0.0 | S |
| 152.967 | 0.0000 | 0.0000 | 81.428 | 0.18186 | 0.00000 | 602892.1 | 453687.9 | 0.0 | S |
| 152.975 | 0.0000 | 0.0000 | 81.428 | 0.18185 | 0.00000 | 602892.1 | 453693.3 | 0.0 | S |
| 152.983 | 0.0000 | 0.0000 | 81.427 | 0.18184 | 0.00000 | 602892.1 | 453698.8 | 0.0 | S |
| 152.992 | 0.0000 | 0.0000 | 81.427 | 0.18183 | 0.00000 | 602892.1 | 453704.3 | 0.0 | S |
| 153.000 | 0.0000 | 0.0000 | 81.427 | 0.18182 | 0.00000 | 602892.1 | 453709.7 | 0.0 | S |
| 153.008 | 0.0000 | 0.0000 | 81.427 | 0.18181 | 0.00000 | 602892.1 | 453715.2 | 0.0 | S |
| 153.017 | 0.0000 | 0.0000 | 81.427 | 0.18180 | 0.00000 | 602892.1 | 453720.6 | 0.0 | S |
| 153.025 | 0.0000 | 0.0000 | 81.427 | 0.18179 | 0.00000 | 602892.1 | 453726.1 | 0.0 | S |
| 153.033 | 0.0000 | 0.0000 | 81.427 | 0.18178 | 0.00000 | 602892.1 | 453731.5 | 0.0 | S |
| 153.042 | 0.0000 | 0.0000 | 81.427 | 0.18177 | 0.00000 | 602892.1 | 453737.0 | 0.0 | S |
| 153.050 | 0.0000 | 0.0000 | 81.427 | 0.18176 | 0.00000 | 602892.1 | 453742.4 | 0.0 | S |
| 153.058 | 0.0000 | 0.0000 | 81.426 | 0.18175 | 0.00000 | 602892.1 | 453747.9 | 0.0 | S |
| 153.067 | 0.0000 | 0.0000 | 81.426 | 0.18174 | 0.00000 | 602892.1 | 453753.3 | 0.0 | S |
| 153.075 | 0.0000 | 0.0000 | 81.426 | 0.18173 | 0.00000 | 602892.1 | 453758.8 | 0.0 | S |
| 153.083 | 0.0000 | 0.0000 | 81.426 | 0.18172 | 0.00000 | 602892.1 | 453764.3 | 0.0 | S |
| 153.092 | 0.0000 | 0.0000 | 81.426 | 0.18171 | 0.00000 | 602892.1 | 453769.7 | 0.0 | S |
| 153.100 | 0.0000 | 0.0000 | 81.426 | 0.18170 | 0.00000 | 602892.1 | 453775.2 | 0.0 | S |
| 153.108 | 0.0000 | 0.0000 | 81.426 | 0.18169 | 0.00000 | 602892.1 | 453780.6 | 0.0 | S |
| 153.117 | 0.0000 | 0.0000 | 81.426 | 0.18168 | 0.00000 | 602892.1 | 453786.1 | 0.0 | S |
| 153.125 | 0.0000 | 0.0000 | 81.426 | 0.18167 | 0.00000 | 602892.1 | 453791.5 | 0.0 | S |
| 153.133 | 0.0000 | 0.0000 | 81.426 | 0.18166 | 0.00000 | 602892.1 | 453796.9 | 0.0 | S |
| 153.142 | 0.0000 | 0.0000 | 81.425 | 0.18165 | 0.00000 | 602892.1 | 453802.4 | 0.0 | S |
| 153.150 | 0.0000 | 0.0000 | 81.425 | 0.18163 | 0.00000 | 602892.1 | 453807.8 | 0.0 | S |
| 153.158 | 0.0000 | 0.0000 | 81.425 | 0.18162 | 0.00000 | 602892.1 | 453813.3 | 0.0 | S |
| 153.167 | 0.0000 | 0.0000 | 81.425 | 0.18161 | 0.00000 | 602892.1 | 453818.8 | 0.0 | S |
| 153.175 | 0.0000 | 0.0000 | 81.425 | 0.18160 | 0.00000 | 602892.1 | 453824.2 | 0.0 | S |
| 153.183 | 0.0000 | 0.0000 | 81.425 | 0.18159 | 0.00000 | 602892.1 | 453829.6 | 0.0 | S |
| 153.192 | 0.0000 | 0.0000 | 81.425 | 0.18158 | 0.00000 | 602892.1 | 453835.1 | 0.0 | S |
| 153.200 | 0.0000 | 0.0000 | 81.425 | 0.18157 | 0.00000 | 602892.1 | 453840.5 | 0.0 | S |
| 153.208 | 0.0000 | 0.0000 | 81.425 | 0.18156 | 0.00000 | 602892.1 | 453846.0 | 0.0 | S |
| 153.217 | 0.0000 | 0.0000 | 81.425 | 0.18155 | 0.00000 | 602892.1 | 453851.4 | 0.0 | S |
| 153.225 | 0.0000 | 0.0000 | 81.424 | 0.18154 | 0.00000 | 602892.1 | 453856.9 | 0.0 | S |
| 153.233 | 0.0000 | 0.0000 | 81.424 | 0.18153 | 0.00000 | 602892.1 | 453862.3 | 0.0 | S |
| 153.242 | 0.0000 | 0.0000 | 81.424 | 0.18152 | 0.00000 | 602892.1 | 453867.8 | 0.0 | S |
| 153.250 | 0.0000 | 0.0000 | 81.424 | 0.18151 | 0.00000 | 602892.1 | 453873.2 | 0.0 | S |
| 153.258 | 0.0000 | 0.0000 | 81.424 | 0.18150 | 0.00000 | 602892.1 | 453878.7 | 0.0 | S |
| 153.267 | 0.0000 | 0.0000 | 81.424 | 0.18149 | 0.00000 | 602892.1 | 453884.1 | 0.0 | S |
| 153.275 | 0.0000 | 0.0000 | 81.424 | 0.18148 | 0.00000 | 602892.7 | 453889.6 | 0.0 | S |
| 153.283 | 0.0000 | 0.0000 | 81.424 | 0.18147 | 0.00000 | 602892.1 | 453895.0 | 0.0 | S |
| 153.292 | 0.0000 | 0.0000 | 81.424 | 0.18146 | 0.00000 | 602892.1 | 453900.4 | 0.0 | S |
| 153.300 | 0.0000 | 0.0000 | 81.424 | 0.18145 | 0.00000 | 602892.1 | 453905.9 | 0.0 | S |
| 153.308 | 0.0000 | 0.0000 | 81.423 | 0.18144 | 0.00000 | 602892.1 | 453911.3 | 0.0 | S |
| 153.317 | 0.0000 | 0.0000 | 81.423 | 0.18143 | 0.00000 | 602892.1 | 453916.8 | 0.0 | S |
| 153.325 | 0.0000 | 0.0000 | 81.423 | 0.18142 | 0.00000 | 602892.1 | 453922.2 | 0.0 | S |
| 153.333 | 0.0000 | 0.0000 | 81.423 | 0.18141 | 0.00000 | 602892.1 | 453927.7 | 0.0 | S |
| 153.342 | 0.0000 | 0.0000 | 81.423 | 0.18140 | 0.00000 | 602892.1 | 453933.1 | 0.0 | S |
| 153.350 | 0.0000 | 0.0000 | 81.423 | 0.18139 | 0.00000 | 602892.1 | 453938.5 | 0.0 | S |
| 153.358 | 0.0000 | 0.0000 | 81.423 | 0.18138 | 0.00000 | 602892.1 | 453944.0 | 0.0 | S |
| 153.367 | 0.0000 | 0.0000 | 81.423 | 0.18137 | 0.00000 | 602892.1 | 453949.4 | 0.0 | S |
| 153.375 | 0.0000 | 0.0000 | 81.423 | 0.18136 | 0.00000 | 602892.1 | 453954.8 | 0.0 | S |
| 153.383 | 0.0000 | 0.0000 | 81.423 | 0.18135 | 0.00000 | 602892.1 | 453960.3 | 0.0 | S |
| 153.392 | 0.0000 | 0.0000 | 81.422 | 0.18134 | 0.00000 | 602892.1 | 453965.8 | 0.0 | S |
| 153.400 | 0.0000 | 0.0000 | 81.422 | 0.18133 | 0.00000 | 602892.1 | 453971.2 | 0.0 | S |
| 153.408 | 0.0000 | 0.0000 | 81.422 | 0.18132 | 0.00000 | 602892.1 | 453976.6 | 0.0 | S |
| 153.417 | 0.0000 | 0.0000 | 81.422 | 0.18131 | 0.00000 | 602892.1 | 453982.1 | 0.0 | S |
| 153.425 | 0.0000 | 0.0000 | 81.422 | 0.18130 | 0.00000 | 602892.1 | 453987.5 | 0.0 | S |
| 153.433 | 0.0000 | 0.0000 | 81.422 | 0.18129 | 0.00000 | 602892.1 | 453992.9 | 0.0 | S |
| 153.442 | 0.0000 | 0.0000 | 81.422 | 0.18128 | 0.00000 | 602892.1 | 453998.4 | 0.0 | S |
| 153.450 | 0.0000 | 0.0000 | 81.422 | 0.18127 | 0.00000 | 602892.1 | 454003.8 | 0.0 | S |
| 153.458 | 0.0000 | 0.0000 | 81.422 | 0.18126 | 0.00000 | 602892.1 | 454009.3 | 0.0 | S |
| 153.467 | 0.0000 | 0.0000 | 81.422 | 0.18125 | 0.00000 | 602892.1 | 454014.7 | 0.0 | S |
| 153.475 | 0.0000 | 0.0000 | 81.421 | 0.18123 | 0.00000 | 602892.1 | 454020.1 | 0.0 | S |
| 153.483 | 0.0000 | 0.0000 | 81.421 | 0.18122 | 0.00000 | 602892.1 | 454025.6 | 0.0 | S |
| 153.492 | 0.0000 | 0.0000 | 81.421 | 0.18121 | 0.00000 | 602892.1 | 454031.0 | 0.0 | S |
| 153.500 | 0.0000 | 0.0000 | 81.421 | 0.18120 | 0.00000 | 602892.1 | 454036.4 | 0.0 | S |
| 153.508 | 0.0000 | 0.0000 | 81.421 | 0.18119 | 0.00000 | 602892.1 | 454041.9 | 0.0 | S |
| 153.517 | 0.0000 | 0.0000 | 81.421 | 0.18118 | 0.00000 | 602892.1 | 454047.3 | 0.0 | S |
| 153.525 | 0.0000 | 0.0000 | 83.421 | 0.18117 | 0.00000 | 602892.1 | 454052.8 | 0.0 | S |
| 153.533 | 0.0000 | 0.0000 | 81.421 | 0.18116 | 0.00000 | 602892.1 | 454058.2 | 0.0 | S |
| 153.542 | 0.0000 | 0.0000 | 81.421 | 0.18115 | 0.00000 | 602892.1 | 454063.6 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate (ft ${ }^{3} / \mathrm{s}$ ) | Overfiow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 153.550 | 0.0000 | 0.0000 | 81.421 | 0.18114 | 0.00000 | 602892.1 | 454069.0 | 0.0 | S |
| 153.558 | 0.0000 | 0.0000 | 81.420 | 0.18113 | 0.00000 | 602892.1 | 454074.5 | 0.0 | S |
| \$53.567 | 0.0000 | 0.0000 | 81.420 | 0.18112 | 0.00000 | 602892.1 | 454079.9 | 0.0 | S |
| 153.575 | 0.0000 | 0.0000 | 81.420 | 0.18111 | 0.00000 | 602892.1 | 454085.3 | 0.0 | S |
| 153.583 | 0.0000 | 0.0000 | 81.420 | 0.18110 | 0.00000 | 602892.1 | 454090.8 | 0.0 | S |
| 153.592 | 0.0000 | 0.0000 | 81.420 | 0.18109 | 0.00000 | 602892.1 | 454096.2 | 0.0 | S |
| 153.600 | 0.0000 | 0.0000 | 81.420 | 0.18108 | 0.00000 | 602892.1 | 454101.7 | 0.0 | S |
| 153.608 | 0.0000 | 0.0000 | 81.420 | 0.18107 | 0.00000 | 602892.1 | 454107.1 | 0.0 | S |
| 153.617 | 0.0000 | 0.0000 | 81.420 | 0.18106 | 0.00000 | 602892.1 | 454112.5 | 0.0 | S |
| 153.625 | 0.0000 | 0.0000 | 81.420 | 0.18105 | 0.00000 | 602892.1 | 454117.9 | 0.0 | S |
| 153.633 | 0.0000 | 0.0000 | 81.420 | 0.18104 | 0.00000 | 602892.1 | 454123.4 | 0.0 | S |
| 153.642 | 0.0000 | 0.0000 | 81.419 | 0.18103 | 0.00000 | 602892.7 | 454128.8 | 0.0 | S |
| 153.650 | 0.0000 | 0.0000 | 81.419 | 0.18102 | 0.00000 | 602892.1 | 454134.3 | 0.0 | S |
| 153.658 | 0.0000 | 0.0000 | 81.419 | 0.18101 | 0.00000 | 602892.1 | 454139.7 | 0.0 | S |
| 153.667 | 0.0000 | 0.0000 | 81.419 | 0.18100 | 0.00000 | 602892.1 | 454145.1 | 0.0 | S |
| 153.675 | 0.0000 | 0.0000 | 81.419 | 0.18099 | 0.00000 | 602892.1 | 454150.5 | 0.0 | S |
| 153.683 | 0.0000 | 0.0000 | 81.419 | 0.18098 | 0.00000 | 602892.1 | 454156.0 | 0.0 | S |
| 153.692 | 0.0000 | 0.0000 | 81.419 | 0.18097 | 0.00000 | 602892.1 | 454161.4 | 0.0 | S |
| 153.700 | 0.0000 | 0.0000 | 81.419 | 0.18096 | 0.00000 | 602892.1 | 454166.8 | 0.0 | S |
| 153.708 | 0.0000 | 0.0000 | 81.419 | 0.18095 | 0.00000 | 602892.1 | 454172.3 | 0.0 | S |
| 153.717 | 0.0000 | 0.0000 | 81.419 | 0.18094 | 0.00000 | 602892.1 | 454177.7 | 0.0 | S |
| 153.725 | 0.0000 | 0.0000 | 81.418 | 0.18093 | 0.00000 | 602892.1 | 454183.1 | 0.0 | S |
| 153.733 | 0.0000 | 0.0000 | 81.418 | 0.18092 | 0.00000 | 602892.1 | 454188.5 | 0.0 | S |
| 153.742 | 0.0000 | 0.0000 | 81.418 | 0.18091 | 0.00000 | 602892.1 | 454194.0 | 0.0 | S |
| 153.750 | 0.0000 | 0.0000 | 81.418 | 0.18090 | 0.00000 | 602892.1 | 454199.4 | 0.0 | S |
| 153.758 | 0.0000 | 0.0000 | 81.418 | 0.18089 | 0.00000 | 602892.1 | 454204.8 | 0.0 | S |
| 153.767 | 0.0000 | 0.0000 | 81.418 | 0.18088 | 0.00000 | 602892.1 | 454210.2 | 0.0 | S |
| 153.775 | 0.0000 | 0.0000 | 81.418 | 0.18087 | 0.00000 | 602892.1 | 454215.7 | 0.0 | S |
| 153.783 | 0.0000 | 0.0000 | 81.418 | 0.18086 | 0.00000 | 602892.1 | 454221.1 | 0.0 | S |
| 153.792 | 0.0000 | 0.0000 | 81.418 | 0.18085 | 0.00000 | 602892.1 | 454226.5 | 0.0 | S |
| 153.800 | 0.0000 | 0.0000 | 81.418 | 0.18084 | 0.00000 | 602892.1 | 454231.9 | 0.0 | S |
| 153.808 | 0.0000 | 0.0000 | 81.417 | 0.18083 | 0.00000 | 602892.1 | 454237.4 | 0.0 | S |
| 153.817 | 0.0000 | 0.0000 | 81.417 | 0.18082 | 0.00000 | 602892.1 | 454242.8 | 0.0 | S |
| 153.825 | 0.0000 | 0.0000 | 81.417 | 0.18081 | 0.00000 | 602892.1 | 454248.2 | 0.0 | S |
| 153.833 | 0.0000 | 0.0000 | 81.417 | 0.18080 | 0.00000 | 602892.1 | 454253.6 | 0.0 | S |
| 153.842 | 0.0000 | 0.0000 | 81.417 | 0.18079 | 0.00000 | 602892.1 | 454259.1 | 0.0 | S |
| 153.850 | 0.0000 | 0.0000 | 81.417 | 0.18078 | 0.00000 | 602892.1 | 454264.5 | 0.0 | S |
| 153.858 | 0.0000 | 0.0000 | 81.417 | 0.18077 | 0.00000 | 602892.1 | 454269.9 | 0.0 | S |
| 153.867 | 0.0000 | 0.0000 | 81.417 | 0.18075 | 0.00000 | 602892.1 | 454275.3 | 0.0 | S |
| 153.875 | 0.0000 | 0.0000 | 81.417 | 0.18074 | 0.00000 | 602892.1 | 454280.8 | 0.0 | S |
| 153.883 | 0.0000 | 0.0000 | 81.417 | 0.18073 | 0.00000 | 602892.1 | 454286.2 | 0.0 | S |
| 153.892 | 0.0000 | 0.0000 | 81.416 | 0.18072 | 0.00000 | 602892.1 | 454291.6 | 0.0 | S |
| 153.900 | 0.0000 | 0.0000 | 81.416 | 0.18071 | 0.00000 | 602892.1 | 454297.0 | 0.0 | S |
| 153.908 | 0.0000 | 0.0000 | 81.416 | 0.18070 | 0.00000 | 602892.1 | 454302.4 | 0.0 | S |
| 153.917 | 0.0000 | 0.0000 | 81.416 | 0.18069 | 0.00000 | 602892.1 | 454307.8 | 0.0 | S |
| 153.925 | 0.0000 | 0.0000 | 81.416 | 0.18068 | 0.00000 | 602892.1 | 454313.3 | 0.0 | S |
| 153.933 | 0.0000 | 0.0000 | 81.416 | 0.18067 | 0.00000 | 602892.1 | 454318.7 | 0.0 | S |
| 153.942 | 0.0000 | 0.0000 | 81.416 | 0.18066 | 0.00000 | 602892.1 | 454324.1 | 0.0 | S |
| 153.950 | 0.0000 | 0.0000 | 81.416 | 0.18065 | 0.00000 | 602892.1 | 454329.5 | 0.0 | S |
| 153.958 | 0.0000 | 0.0000 | 81.416 | 0.18064 | 0.00000 | 602892.1 | 454335.0 | 0.0 | S |
| 153.967 | 0.0000 | 0.0000 | 81.415 | 0.18063 | 0.00000 | 602892.1 | 454340.4 | 0.0 | S |
| 153.975 | 0.0000 | 0.0000 | 81.415 | 0.18062 | 0.00000 | 602892.1 | 454345.8 | 0.0 | S |
| 153.983 | 0.0000 | 0.0000 | 81.415 | 0.18061 | 0.00000 | 602892.1 | 454351.2 | 0.0 | S |
| 153.992 | 0.0000 | 0.0000 | 81.415 | 0.18060 | 0.00000 | 602892.1 | 454356.6 | 0.0 | S |
| 154.000 | 0.0000 | 0.0000 | 81.415 | 0.18059 | 0.00000 | 602892.1 | 454362.1 | 0.0 | S |
| 154.008 | 0.0000 | 0.0000 | 81.415 | 0.18058 | 0.00000 | 602892.1 | 454367.5 | 0.0 | S |
| 154.017 | 0.0000 | 0.0000 | 81.415 | 0.18057 | 0.00000 | 602892.1 | 454372.9 | 0.0 | S |
| 154.025 | 0.0000 | 0.0000 | 81.415 | 0.18056 | 0.00000 | 602892.1 | 454378.3 | 0.0 | S |
| 154.033 | 0.0000 | 0.0000 | 81.415 | 0.18055 | 0.00000 | 602892.1 | 454383.7 | 0.0 | S |
| 154.042 | 0.0000 | 0.0000 | 81.415 | 0.18054 | 0.00000 | 602892.1 | 454389.1 | 0.0 | S |
| 154.050 | 0.0000 | 0.0000 | 81.414 | 0.18053 | 0.00000 | 602892.1 | 454394.6 | 0.0 | S |
| 154.058 | 0.0000 | 0.0000 | 81.414 | 0.18052 | 0.00000 | 602892.1 | 454400.0 | 0.0 | S |
| 154.067 | 0.0000 | 0.0000 | 81.414 | 0.18051 | 0.00000 | 602892.1 | 454405.4 | 0.0 | S |
| 154.075 | 0.0000 | 0.0000 | 81.414 | 0.18050 | 0.00000 | 602892.1 | 454410.8 | 0.0 | S |
| 154.083 | 0.0000 | 0.0000 | 81.414 | 0.18049 | 0.00000 | 602892.1 | 454416.2 | 0.0 | S |
| 154.092 | 0.0000 | 0.0000 | 81.414 | 0.18048 | 0.00000 | 602892.1 | 454421.6 | 0.0 | S |
| 154.100 | 0.0000 | 0.0000 | 81.414 | 0.18047 | 0.00000 | 602892.1 | 454427.0 | 0.0 | S |
| 154.108 | 0.0000 | 0.0000 | 81.414 | 0.18046 | 0.00000 | 602892.1 | 454432.5 | 0.0 | S |
| 154.117 | 0.0000 | 0.0000 | 81.414 | 0.18045 | 0.00000 | 602892.1 | 454437.9 | 0.0 | S |
| 154.125 | 0.0000 | 0.0000 | 81.414 | 0.18044 | 0.00000 | 602892.1 | 454443.3 | 0.0 | S |
| 154.133 | 0.0000 | 0.0000 | 81.413 | 0.18043 | 0.00000 | 602892.1 | 454448.7 | 0.0 | S |
| 154.142 | 0.0000 | 0.0000 | 81.413 | 0.18042 | 0.00000 | 602892.1 | 454454.1 | 0.0 | S |
| 154.150 | 0.0000 | 0.0000 | 81.413 | 0.18041 | 0.00000 | 602892.1 | 454459.5 | 0.0 | S |
| 154.158 | 0.0000 | 0.0000 | 81.413 | 0.18040 | 0.00000 | 602892.1 | 454464.9 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{3 / \mathrm{s}}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow <br> Discharge ( $\mathrm{f} 3 / \mathrm{s}$ ) | Cumulative inflow Volume $\left(\mathrm{t}^{3}\right)$ | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume $\left(\mathrm{ft}^{3}\right)$ | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 154.167 | 0.0000 | 0.0000 | 81.413 | 0.18039 | 0.00000 | 602892.1 | 454470.3 | 0.0 | S |
| 154.175 | 0.0000 | 0.0000 | 81.413 | 0.18038 | 0.00000 | 602892.1 | 454475.8 | 0.0 | S |
| 154.183 | 0.0000 | 0.0000 | 81.413 | 0.18037 | 0.00000 | 602892.1 | 454481.2 | 0.0 | S |
| 154.192 | 0.0000 | 0.0000 | 81.413 | 0.18036 | 0.00000 | 602892.1 | 454486.6 | 0.0 | S |
| 154.200 | 0.0000 | 0.0000 | 81.413 | 0.18035 | 0.00000 | 602892.1 | 454492.0 | 0.0 | S |
| 154.208 | 0.0000 | 0.0000 | 81.413 | 0.18034 | 0.00000 | 602892.1 | 454497.4 | 0.0 | S |
| 154.217 | 0.0000 | 0.0000 | 81.412 | 0.18033 | 0.00000 | 602892.1 | 454502.8 | 0.0 | S |
| 154.225 | 0.0000 | 0.0000 | 81.412 | 0.18032 | 0.00000 | 602892.1 | 454508.2 | 0.0 | S |
| 154.233 | 0.0000 | 0.0000 | 81.412 | 0.18031 | 0.00000 | 602892.1 | 454513.6 | 0.0 | S |
| 154.242 | 0.0000 | 0.0000 | 81.412 | 0.18030 | 0.00000 | 602892.1 | 454519.0 | 0.0 | S |
| 154.250 | 0.0000 | 0.0000 | 81.412 | 0.18029 | 0.00000 | 602892.1 | 454524.4 | 0.0 | S |
| 154.258 | 0.0000 | 0.0000 | 81.412 | 0.18028 | 0.00000 | 602892.1 | 454529.8 | 0.0 | S |
| 154.267 | 0.0000 | 0.0000 | 81.412 | 0.18027 | 0.00000 | 602892.1 | 454535.3 | 0.0 | S |
| 154.275 | 0.0000 | 0.0000 | 81.412 | 0.18026 | 0.00000 | 602892.1 | 454540.7 | 0.0 | S |
| 154.283 | 0.0000 | 0.0000 | 81.412 | 0.18025 | 0.00000 | 602892.1 | 454546.1 | 0.0 | S |
| 154.292 | 0.0000 | 0.0000 | 81.412 | 0.18024 | 0.00000 | 602892.1 | 454551.5 | 0.0 | S |
| 154.300 | 0.0000 | 0.0000 | 81.411 | 0.18023 | 0.00000 | 602892.1 | 454556.9 | 0.0 | S |
| 154.308 | 0.0000 | 0.0000 | 81.411 | 0.18022 | 0.00000 | 602892.1 | 454562.3 | 0.0 | S |
| 154.317 | 0.0000 | 0.0000 | 81.411 | 0.18021 | 0.00000 | 602892.1 | 454567.7 | 0.0 | S |
| 154.325 | 0.0000 | 0.0000 | 81.411 | 0.18020 | 0.00000 | 602892.1 | 454573.1 | 0.0 | S |
| 154.333 | 0.0000 | 0.0000 | 81.411 | 0.18019 | 0.00000 | 602892.1 | 454578.5 | 0.0 | S |
| 154.342 | 0.0000 | 0.0000 | 81.411 | 0.18018 | 0.00000 | 602892.1 | 454583.9 | 0.0 | S |
| 154.350 | 0.0000 | 0.0000 | 81.411 | 0.18017 | 0.00000 | 602892.1 | 454589.3 | 0.0 | S |
| 154.358 | 0.0000 | 0.0000 | 81.411 | 0.18016 | 0.00000 | 602892.1 | 454594.7 | 0.0 | S |
| 154.367 | 0.0000 | 0.0000 | 81.411 | 0.18015 | 0.00000 | 602892.1 | 454600.1 | 0.0 | S |
| 154.375 | 0.0000 | 0.0000 | 81.411 | 0.18014 | 0.00000 | 602892.1 | 454605.5 | 0.0 | S |
| 154.383 | 0.0000 | 0.0000 | 81.410 | 0.18013 | 0.00000 | 602892.4 | 454610.9 | 0.0 | S |
| 154.392 | 0.0000 | 0.0000 | 81.410 | 0.18012 | 0.00000 | 602892. 1 | 454616.3 | 0.0 | S |
| 154.400 | 0.0000 | 0.0000 | 81.410 | 0.18011 | 0.00000 | 602892.1 | 454621.8 | 0.0 | S |
| 154.408 | 0.0000 | 0.0000 | 81.410 | 0.18009 | 0.00000 | 602892.1 | 454627.2 | 0.0 | S |
| 154.417 | 0.0000 | 0.0000 | 81.410 | 0.18008 | 0.00000 | 602892.1 | 454632.6 | 0.0 | S |
| 154.425 | 0.0000 | 0.0000 | 81.410 | 0.18007 | 0.00000 | 602892.1 | 454638.0 | 0.0 | S |
| 154.433 | 0.0000 | 0.0000 | 81.410 | 0.18006 | 0.00000 | 602892.1 | 454643.4 | 0.0 | S |
| 154.442 | 0.0000 | 0.0000 | 81.410 | 0.18005 | 0.00000 | 602892.1 | 454648.8 | 0.0 | S |
| 154.450 | 0.0000 | 0.0000 | 81.410 | 0.18004 | 0.00000 | 602892.1 | 454654.2 | 0.0 | S |
| 154.458 | 0.0000 | 0.0000 | 81.410 | 0.18003 | 0.00000 | 602892.1 | 454659.6 | 0.0 | S |
| 154.467 | 0.0000 | 0.0000 | 81.409 | 0.18002 | 0.00000 | 602892.1 | 454665.0 | 0.0 | S |
| 154.475 | 0.0000 | 0.0000 | 81.409 | 0.18001 | 0.00000 | 602892.1 | 454670.4 | 0.0 | S |
| 154.483 | 0.0000 | 0.0000 | 81.409 | 0.18000 | 0.00000 | 602892.1 | 454675.8 | 0.0 | S |
| 154.492 | 0.0000 | 0.0000 | 81.409 | 0.17999 | 0.00000 | 602892.1 | 454681.2 | 0.0 | S |
| 154.500 | 0.0000 | 0.0000 | 81.409 | 0.17998 | 0.00000 | 602892.1 | 454686.6 | 0.0 | S |
| 154.508 | 0.0000 | 0.0000 | 81.409 | 0.17997 | 0.00000 | 602892.1 | 454692.0 | 0.0 | S |
| 154.517 | 0.0000 | 0.0000 | 81.409 | 0.17996 | 0.00000 | 602892.1 | 454697.4 | 0.0 | S |
| 154.525 | 0.0000 | 0.0000 | 81.409 | 0.17995 | 0.00000 | 602892.1 | 454702.8 | 0.0 | S |
| 154.533 | 0.0000 | 0.0000 | 81.409 | 0.17994 | 0.00000 | 602892.1 | 454708.2 | 0.0 | S |
| 154.542 | 0.0000 | 0.0000 | 81.409 | 0.17993 | 0.00000 | 602892.1 | 454713.6 | 0.0 | S |
| 754.550 | 0.0000 | 0.0000 | 81.408 | 0.17992 | 0.00000 | 602892.1 | 454719.0 | 0.0 | S |
| 154.558 | 0.0000 | 0.0000 | 81.408 | 0.17991 | 0.00000 | 602892.1 | 454724.3 | 0.0 | S |
| 154.567 | 0.0000 | 0.0000 | 81.408 | 0.17990 | 0.00000 | 602892.1 | 454729.8 | 0.0 | S |
| 154.575 | 0.0000 | 0.0000 | 81.408 | 0.17989 | 0.00000 | 602892.1 | 454735.2 | 0.0 | S |
| 154.583 | 0.0000 | 0.0000 | 81.408 | 0.17988 | 0.00000 | 602892.1 | 454740.6 | 0.0 | S |
| 154.592 | 0.0000 | 0.0000 | 81.408 | 0.17987 | 0.00000 | 602892.1 | 454745.9 | 0.0 | S |
| 154.600 | 0.0000 | 0.0000 | 81.408 | 0.17986 | 0.00000 | 602892.1 | 454751.3 | 0.0 | S |
| 154.608 | 0.0000 | 0.0000 | 81.408 | 0.17985 | 0.00000 | 602892.1 | 454756.8 | 0.0 | S |
| 154.617 | 0.0000 | 0.0000 | 81.408 | 0.17984 | 0.00000 | 602892.1 | 454762.1 | 0.0 | S |
| 154.625 | 0.0000 | 0.0000 | 81.408 | 0.17983 | 0.00000 | 602892.1 | 454767.5 | 0.0 | S |
| 154.633 | 0.0000 | 0.0000 | 81.407 | 0.17982 | 0.00000 | 602892.1 | 454772.9 | 0.0 | S |
| 154.642 | 0.0000 | 0.0000 | 81.407 | 0.17981 | 0.00000 | 602892.1 | 454778.3 | 0.0 | S |
| 154.650 | 0.0000 | 0.0000 | 81.407 | 0.17980 | 0.00000 | 602892.1 | 454783.7 | 0.0 | S |
| 154.658 | 0.0000 | 0.0000 | 81.407 | 0.17979 | 0.00000 | 602892.1 | 454789.1 | 0.0 | S |
| 154.667 | 0.0000 | 0.0000 | 81.407 | 0.17978 | 0.00000 | 602892.1 | 454794.5 | 0.0 | S |
| 154.675 | 0.0000 | 0.0000 | 81.407 | 0.17977 | 0.00000 | 602892.1 | 454799.9 | 0.0 | S |
| 154.683 | 0.0000 | 0.0000 | 81.407 | 0.17976 | 0.00000 | 602892.1 | 454805.3 | 0.0 | S |
| 154.692 | 0.0000 | 0.0000 | 81.407 | 0.17975 | 0.00000 | 602892.1 | 454810.7 | 0.0 | S |
| 154.700 | 0.0000 | 0.0000 | 81.407 | 0.17974 | 0.00000 | 602892.1 | 454816.1 | 0.0 | S |
| 154.708 | 0.0000 | 0.0000 | 81.407 | 0.17973 | 0.00000 | 602892.1 | 454821.5 | 0.0 | S |
| 154.717 | 0.0000 | 0.0000 | 81.406 | 0.17972 | 0.00000 | 602892.1 | 454826.8 | 0.0 | S |
| 154.725 | 0.0000 | 0.0000 | 81.406 | 0.17971 | 0.00000 | 602892.1 | 454832.3 | 0.0 | S |
| 154.733 | 0.0000 | 0.0000 | 81.406 | 0.17970 | 0.00000 | 602892.1 | 454837.6 | 0.0 | S |
| 154.742 | 0.0000 | 0.0000 | 81.406 | 0.17969 | 0.00000 | 602892.1 | 454843.0 | 0.0 | S |
| 154.750 | 0.0000 | 0.0000 | 81.406 | 0.17968 | 0.00000 | 602892.1 | 454848.4 | 0.0 | S |
| 154.758 | 0.0000 | 0.0000 | 81.406 | 0.17967 | 0.00000 | 602892.1 | 454853.8 | 0.0 | S |
| 154.767 | 0.0000 | 0.0000 | 81.406 | 0.17966 | 0.00000 | 602892.1 | 454859.2 | 0.0 | S |
| 154.775 | 0.0000 | 0.0000 | 81.406 | 0.17965 | 0.00000 | 602892.1 | 454864.6 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiftration Rate ( $\mathrm{fi}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 154.783 | 0.0000 | 0.0000 | 81.406 | 0.17964 | 0.00000 | 602892.1 | 454870.0 | 0.0 | S |
| 154.792 | 0.0000 | 0.0000 | 81.406 | 0.17963 | 0.00000 | 602892.1 | 454875.4 | 0.0 | S |
| 154.800 | 0.0000 | 0.0000 | 81.405 | 0.17962 | 0.00000 | 602892.1 | 454880.8 | 0.0 | S |
| 154.808 | 0.0000 | 0.0000 | 81.405 | 0.17961 | 0.00000 | 602892.1 | 454886.2 | 0.0 | S |
| 154.817 | 0.0000 | 0.0000 | 81.405 | 0.17960 | 0.00000 | 602892.1 | 454891.5 | 0.0 | S |
| 154.825 | 0.0000 | 0.0000 | 81.405 | 0.17959 | 0.00000 | 602892.1 | 454896.9 | 0.0 | S |
| 154.833 | 0.0000 | 0.0000 | 81.405 | 0.17958 | 0.00000 | 602892.1 | 454902.3 | 0.0 | S |
| 154.842 | 0.0000 | 0.0000 | 81.405 | 0.17957 | 0.00000 | 602892.1 | 454907.7 | 0.0 | S |
| 154.850 | 0.0000 | 0.0000 | 81.405 | 0.17956 | 0.00000 | 602892.1 | 454913.1 | 0.0 | S |
| 154.858 | 0.0000 | 0.0000 | 81.405 | 0.17955 | 0.00000 | 602892.1 | 454918.5 | 0.0 | S |
| 154.867 | 0.0000 | 0.0000 | 81.405 | 0.17954 | 0.00000 | 602892.1 | 454923.8 | 0.0 | S |
| 154.875 | 0.0000 | 0.0000 | 81.405 | 0.17953 | 0.00000 | 602892.1 | 454929.3 | 0.0 | S |
| 154.883 | 0.0000 | 0.0000 | 81.404 | 0.17952 | 0.00000 | 602892.1 | 454934.6 | 0.0 | S |
| 154.892 | 0.0000 | 0.0000 | 81.404 | 0.17951 | 0.00000 | 602892.1 | 454940.0 | 0.0 | S |
| 154.900 | 0.0000 | 0.0000 | 81.404 | 0.17950 | 0.00000 | 602892.1 | 454945.4 | 0.0 | S |
| 154.908 | 0.0000 | 0.0000 | 81.404 | 0.17949 | 0.00000 | 602892.1 | 454950.8 | 0.0 | S |
| 154.917 | 0.0000 | 0.0000 | 81.404 | 0.17948 | 0.00000 | 602892.1 | 454956.2 | 0.0 | S |
| 154.925 | 0.0000 | 0.0000 | 81.404 | 0.17947 | 0.00000 | 602892.1 | 454961.6 | 0.0 | S |
| 154.933 | 0.0000 | 0.0000 | 81.404 | 0.17946 | 0.00000 | 602892.1 | 454966.9 | 0.0 | S |
| 154.942 | 0.0000 | 0.0000 | 81.404 | 0.17945 | 0.00000 | 602892.1 | 454972.3 | 0.0 | S |
| 154.950 | 0.0000 | 0.0000 | 81.404 | 0.17944 | 0.00000 | 602892.1 | 454977.7 | 0.0 | S |
| 154.958 | 0.0000 | 0.0000 | 81.404 | 0.17943 | 0.00000 | 602892.1 | 454983.1 | 0.0 | S |
| 154.967 | 0.0000 | 0.0000 | 81.403 | 0.17942 | 0.00000 | 602892.1 | 454988.5 | 0.0 | S |
| 154.975 | 0.0000 | 0.0000 | 81.403 | 0.17941 | 0.00000 | 602892.1 | 454993.8 | 0.0 | S |
| 154.983 | 0.0000 | 0.0000 | 81.403 | 0.17940 | 0.00000 | 602892.1 | 454999.2 | 0.0 | S |
| 154.992 | 0.0000 | 0.0000 | 81.403 | 0.17939 | 0.00000 | 602892.1 | 455004.6 | 0.0 | S |
| 155.000 | 0.0000 | 0.0000 | 81.403 | 0.17938 | 0.00000 | 602892.1 | 455010.0 | 0.0 | S |
| 155.008 | 0.0000 | 0.0000 | 81.403 | 0.17937 | 0.00000 | 602892.1 | 455015.4 | 0.0 | S |
| 155.017 | 0.0000 | 0.0000 | 81.403 | 0.17936 | 0.00000 | 602892.1 | 455020.8 | 0.0 | S |
| 155.025 | 0.0000 | 0.0000 | 81.403 | 0.17935 | 0.00000 | 602892.1 | 455026.1 | 0.0 | S |
| 155.033 | 0.0000 | 0.0000 | 81.403 | 0.17934 | 0.00000 | 602892.1 | 455031.5 | 0.0 | S |
| 155.042 | 0.0000 | 0.0000 | 81.403 | 0.17933 | 0.00000 | 602892.1 | 455036.9 | 0.0 | S |
| 155.050 | 0.0000 | 0.0000 | 81.402 | 0.17932 | 0.00000 | 602892.1 | 455042.3 | 0.0 | S |
| 155.058 | 0.0000 | 0.0000 | 81.402 | 0.17931 | 0.00000 | 602892.1 | 455047.7 | 0.0 | S |
| 155.067 | 0.0000 | 0.0000 | 81.402 | 0.17930 | 0.00000 | 602892.1 | 455053.0 | 0.0 | S |
| 155.075 | 0.0000 | 0.0000 | 81.402 | 0.17929 | 0.00000 | 602892.1 | 455058.4 | 0.0 | S |
| 155.083 | 0.0000 | 0.0000 | 81.402 | 0.17928 | 0.00000 | 602892.1 | 455063.8 | 0.0 | S |
| 155.092 | 0.0000 | 0.0000 | 81.402 | 0.17927 | 0.00000 | 602892.1 | 455069.2 | 0.0 | S |
| 155.100 | 0.0000 | 0.0000 | 81.402 | 0.17926 | 0.00000 | 602892.1 | 455074.6 | 0.0 | S |
| 155.108 | 0.0000 | 0.0000 | 81.402 | 0.17925 | 0.00000 | 602892.1 | 455079.9 | 0.0 | S |
| 155.117 | 0.0000 | 0.0000 | 81.402 | 0.17924 | 0.00000 | 602892.1 | 455085.3 | 0.0 | S |
| 155.125 | 0.0000 | 0.0000 | 81.402 | 0.17923 | 0.00000 | 602892.1 | 455090.7 | 0.0 | S |
| 155.133 | 0.0000 | 0.0000 | 81.401 | 0.17922 | 0.00000 | 602892.1 | 455096.1 | 0.0 | S |
| 155.142 | 0.0000 | 0.0000 | 81.401 | 0.17921 | 0.00000 | 602892.1 | 455101.4 | 0.0 | S |
| 155.150 | 0.0000 | 0.0000 | 81.401 | 0.17920 | 0.00000 | 602892.1 | 455106.8 | 0.0 | S |
| 155.158 | 0.0000 | 0.0000 | 81.401 | 0.17919 | 0.00000 | 602892.1 | 455112.2 | 0.0 | S |
| 155.167 | 0.0000 | 0.0000 | 81.401 | 0.17918 | 0.00000 | 602892.1 | 455117.6 | 0.0 | S |
| 155.175 | 0.0000 | 0.0000 | 81.401 | 0.17917 | 0.00000 | 602892.1 | 455122.9 | 0.0 | S |
| 155.183 | 0.0000 | 0.0000 | 81.401 | 0.17916 | 0.00000 | 602892.1 | 455128.3 | 0.0 | S |
| 155.192 | 0.0000 | 0.0000 | 81.401 | 0.17915 | 0.00000 | 602892.1 | 455133.7 | 0.0 | S |
| 155.200 | 0.0000 | 0.0000 | 81.401 | 0.17914 | 0.00000 | 602892.1 | 455139.1 | 0.0 | S |
| 155.208 | 0.0000 | 0.0000 | 81.401 | 0.17913 | 0.00000 | 602892.1 | 455144.4 | 0.0 | S |
| 155.217 | 0.0000 | 0.0000 | 81.400 | 0.17912 | 0.00000 | 602892.1 | 455149.8 | 0.0 | S |
| 155.225 | 0.0000 | 0.0000 | 81.400 | 0.17911 | 0.00000 | 602892.1 | 455155.2 | 0.0 | S |
| 155.233 | 0.0000 | 0.0000 | 81.400 | 0.17910 | 0.00000 | 602892.1 | 455160.6 | 0.0 | S |
| 155.242 | 0.0000 | 0.0000 | 81.400 | 0.17909 | 0.00000 | 602892.1 | 455165.9 | 0.0 | S |
| 155.250 | 0.0000 | 0.0000 | 81.400 | 0.17908 | 0.00000 | 602892.1 | 455171.3 | 0.0 | S |
| 155.258 | 0.0000 | 0.0000 | 81.400 | 0.17907 | 0.00000 | 602892.1 | 455176.7 | 0.0 | S |
| \$55.267 | 0.0000 | 0.0000 | 81.400 | 0.17906 | 0.00000 | 602892.1 | 455182.0 | 0.0 | S |
| 155.275 | 0.0000 | 0.0000 | 81.400 | 0.17905 | 0.00000 | 602892.1 | 455187.4 | 0.0 | S |
| 155.283 | 0.0000 | 0.0000 | 81.400 | 0.17904 | 0.00000 | 602892.1 | 455192.8 | 0.0 | S |
| 155.292 | 0.0000 | 0.0000 | 81.400 | 0.17903 | 0.00000 | 602892.1 | 455198.2 | 0.0 | S |
| 155.300 | 0.0000 | 0.0000 | 81.399 | 0.17902 | 0.00000 | 602892.1 | 455203.5 | 0.0 | S |
| 155.308 | 0.0000 | 0.0000 | 81.399 | 0.17901 | 0.00000 | 602892.1 | 455208.9 | 0.0 | S |
| 155.317 | 0.0000 | 0.0000 | 81.399 | 0.17900 | 0.00000 | 602892.1 | 455214.3 | 0.0 | S |
| 155.325 | 0.0000 | 0.0000 | 81.399 | 0.17899 | 0.00000 | 602892.1 | 455219.6 | 0.0 | S |
| 155.333 | 0.0000 | 0.0000 | 81.399 | 0.17898 | 0.00000 | 602892.1 | 455225.0 | 0.0 | S |
| 155.342 | 0.0000 | 0.0000 | 81.399 | 0.17897 | 0.00000 | 602892.1 | 455230.4 | 0.0 | S |
| 155.350 | 0.0000 | 0.0000 | 81.399 | 0.17896 | 0.00000 | 602892.1 | 455235.8 | 0.0 | S |
| 155.358 | 0.0000 | 0.0000 | 81.399 | 0.17895 | 0.00000 | 602892.1 | 455241.1 | 0.0 | S |
| 155.367 | 0.0000 | 0.0000 | 81.399 | 0.17894 | 0.00000 | 602892.1 | 455246.5 | 0.0 | S |
| 155.375 | 0.0000 | 0.0000 | 81.399 | 0.17893 | 0.00000 | 602892.1 | 455251.8 | 0.0 | S |
| 155.383 | 0.0000 | 0.0000 | 81.398 | 0.17892 | 0.00000 | 602892.1 | 455257.2 | 0.0 | S |
| 155.392 | 0.0000 | 0.0000 | 81.398 | 0.17891 | 0.00000 | 602892.1 | 455262.6 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year $/ 24$ hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate $\left(\mathrm{n}^{3} / \mathrm{s}\right)$ | Outside <br> Recharge (f/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3 / 5}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume (ft ${ }^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 155.400 | 0.0000 | 0.0000 | 81.398 | 0.17890 | 0.00000 | 602892.1 | 455267.9 | 0.0 | S |
| 155.408 | 0.0000 | 0.0000 | 81.398 | 0.17889 | 0.00000 | 602892.1 | 455273.3 | 0.0 | S |
| 155.417 | 0.0000 | 0.0000 | 81.398 | 0.17888 | 0.00000 | 602892.1 | 455278.7 | 0.0 | S |
| 155.425 | 0.0000 | 0.0000 | 81.398 | 0.17887 | 0.00000 | 602892.1 | 455284.1 | 0.0 | S |
| 155.433 | 0.0000 | 0.0000 | 81.398 | 0.17886 | 0.00000 | 602892.1 | 455289.4 | 0.0 | S |
| 155.442 | 0.0000 | 0.0000 | 81.398 | 0.17885 | 0.00000 | 602892.1 | 455294.8 | 0.0 | S |
| 155.450 | 0.0000 | 0.0000 | 81.398 | 0.17884 | 0.00000 | 602892.1 | 455300.2 | 0.0 | S |
| 155.458 | 0.0000 | 0.0000 | 81.398 | 0.17883 | 0.00000 | 602892.1 | 455305.5 | 0.0 | S |
| 155.467 | 0.0000 | 0.0000 | 81.397 | 0.17882 | 0.00000 | 602892.1 | 455310.9 | 0.0 | S |
| 155.475 | 0.0000 | 0.0000 | 81.397 | 0.17881 | 0.00000 | 602892.1 | 455316.3 | 0.0 | S |
| 155.483 | 0.0000 | 0.0000 | 81.397 | 0.17880 | 0.00000 | 602892.1 | 455321.6 | 0.0 | S |
| 155.492 | 0.0000 | 0.0000 | 81.397 | 0.17879 | 0.00000 | 602892.1 | 455327.0 | 0.0 | S |
| 155.500 | 0.0000 | 0.0000 | 81.397 | 0.17878 | 0.00000 | 602892.1 | 455332.3 | 0.0 | S |
| 155.508 | 0.0000 | 0.0000 | 81.397 | 0.17877 | 0.00000 | 602892.1 | 455337.7 | 0.0 | S |
| 155.517 | 0.0000 | 0.0000 | 81.397 | 0.17876 | 0.00000 | 602892.1 | 455343.1 | 0.0 | S |
| 155.525 | 0.0000 | 0.0000 | 81.397 | 0.17875 | 0.00000 | 602892.1 | 455348.4 | 0.0 | S |
| 155.533 | 0.0000 | 0.0000 | 81.397 | 0.17874 | 0.00000 | 602892.1 | 455353.8 | 0.0 | S |
| 155.542 | 0.0000 | 0.0000 | 81.397 | 0.17873 | 0.00000 | 602892.1 | 455359.2 | 0.0 | S |
| 155.550 | 0.0000 | 0.0000 | 81.396 | 0.17872 | 0.00000 | 602892.1 | 455364.5 | 0.0 | S |
| 155.558 | 0.0000 | 0.0000 | 81.396 | 0.17871 | 0.00000 | 602892.1 | 455369.9 | 0.0 | S |
| 155.567 | 0.0000 | 0.0000 | 81.396 | 0.17870 | 0.00000 | 602892.1 | 455375.2 | 0.0 | S |
| 155.575 | 0.0000 | 0.0000 | 81.396 | 0.17869 | 0.00000 | 602892.1 | 455380.6 | 0.0 | S |
| 155.583 | 0.0000 | 0.0000 | 81.396 | 0.17868 | 0.00000 | 602892.1 | 455386.0 | 0.0 | S |
| 155.592 | 0.0000 | 0.0000 | 81.396 | 0.17867 | 0.00000 | 602892.1 | 455391.3 | 0.0 | S |
| 155.600 | 0.0000 | 0.0000 | 81.396 | 0.17866 | 0.00000 | 602892.1 | 455396.7 | 0.0 | S |
| 155.608 | 0.0000 | 0.0000 | 81.396 | 0.17865 | 0.00000 | 602892.1 | 455402.0 | 0.0 | S |
| 155.617 | 0.0000 | 0.0000 | 81.396 | 0.17864 | 0.00000 | 602892.1 | 455407.4 | 0.0 | S |
| 155.625 | 0.0000 | 0.0000 | 81.396 | 0.17863 | 0.00000 | 602892.1 | 455412.8 | 0.0 | S |
| 155.633 | 0.0000 | 0.0000 | 81.395 | 0.17862 | 0.00000 | 602892.1 | 455418.1 | 0.0 | S |
| 155.642 | 0.0000 | 0.0000 | 81.395 | 0.17861 | 0.00000 | 602892.1 | 455423.5 | 0.0 | S |
| 155.650 | 0.0000 | 0.0000 | 81.395 | 0.17860 | 0.00000 | 602892.1 | 455428.8 | 0.0 | S |
| 155.658 | 0.0000 | 0.0000 | 81.395 | 0.17859 | 0.00000 | 602892.1 | 455434.2 | 0.0 | S |
| 155.667 | 0.0000 | 0.0000 | 81.395 | 0.17858 | 0.00000 | 602892.1 | 455439.5 | 0.0 | S |
| 155.675 | 0.0000 | 0.0000 | 81.395 | 0.17857 | 0.00000 | 602892.1 | 455444.9 | 0.0 | S |
| 155.683 | 0.0000 | 0.0000 | 81.395 | 0.17856 | 0.00000 | 602892.1 | 455450.3 | 0.0 | S |
| 155.692 | 0.0000 | 0.0000 | 81.395 | 0.17855 | 0.00000 | 602892.1 | 455455.6 | 0.0 | S |
| 155.700 | 0.0000 | 0.0000 | 81.395 | 0.17854 | 0.00000 | 602892.1 | 455461.0 | 0.0 | S |
| 155.708 | 0.0000 | 0.0000 | 81.395 | 0.17853 | 0.00000 | 602892.1 | 455466.3 | 0.0 | S |
| 155.717 | 0.0000 | 0.0000 | 81.394 | 0.17852 | 0.00000 | 602892.1 | 455471.7 | 0.0 | S |
| 155.725 | 0.0000 | 0.0000 | 81.394 | 0.17851 | 0.00000 | 602892.1 | 455477.0 | 0.0 | S |
| 155.733 | 0.0000 | 0.0000 | 81.394 | 0.17850 | 0.00000 | 602892.1 | 455482.4 | 0.0 | S |
| 155.742 | 0.0000 | 0.0000 | 81.394 | 0.17849 | 0.00000 | 602892.1 | 455487.8 | 0.0 | S |
| 155.750 | 0.0000 | 0.0000 | 81.394 | 0.17848 | 0.00000 | 602892.1 | 455493.1 | 0.0 | S |
| 155.758 | 0.0000 | 0.0000 | 81.394 | 0.17847 | 0.00000 | 602892.1 | 455498.5 | 0.0 | S |
| 155.767 | 0.0000 | 0.0000 | 81.394 | 0.17846 | 0.00000 | 602892.1 | 455503.8 | 0.0 | S |
| 155.775 | 0.0000 | 0.0000 | 81.394 | 0.17845 | 0.00000 | 602892.1 | 455509.2 | 0.0 | S |
| 155.783 | 0.0000 | 0.0000 | 81.394 | 0.17844 | 0.00000 | 602892.1 | 455514.5 | 0.0 | S |
| 155.792 | 0.0000 | 0.0000 | 81.394 | 0.17843 | 0.00000 | 602892.1 | 455519.9 | 0.0 | S |
| 155.800 | 0.0000 | 0.0000 | 81.393 | 0.17842 | 0.00000 | 602892.1 | 455525.2 | 0.0 | S |
| 155.808 | 0.0000 | 0.0000 | 81.393 | 0.17841 | 0.00000 | 602892.1 | 455530.6 | 0.0 | S |
| 155.817 | 0.0000 | 0.0000 | 81.393 | 0.17840 | 0.00000 | 602892.1 | 455535.9 | 0.0 | S |
| 155.825 | 0.0000 | 0.0000 | 81.393 | 0.17839 | 0.00000 | 602892.7 | 455541.3 | 0.0 | S |
| 155.833 | 0.0000 | 0.0000 | 81.393 | 0.17838 | 0.00000 | 602892.1 | 455546.6 | 0.0 | S |
| 155.842 | 0.0000 | 0.0000 | 81.393 | 0.17837 | 0.00000 | 602892.1 | 455552.0 | 0.0 | S |
| 155.850 | 0.0000 | 0.0000 | 81.393 | 0.17836 | 0.00000 | 602892.1 | 455557.3 | 0.0 | S |
| 155.858 | 0.0000 | 0.0000 | 81.393 | 0.17835 | 0.00000 | 602892.1 | 455562.7 | 0.0 | S |
| 155.867 | 0.0000 | 0.0000 | 81.393 | 0.17834 | 0.00000 | 602892.1 | 455568.0 | 0.0 | S |
| 155.875 | 0.0000 | 0.0000 | 81.393 | 0.17833 | 0.00000 | 602892.1 | 455573.4 | 0.0 | S |
| 155.883 | 0.0000 | 0.0000 | 81.392 | 0.17832 | 0.00000 | 602892.1 | 455578.7 | 0.0 | S |
| 155.892 | 0.0000 | 0.0000 | 81.392 | 0.17831 | 0.00000 | 602892.1 | 455584.1 | 0.0 | S |
| 155.900 | 0.0000 | 0.0000 | 81.392 | 0.17830 | 0.00000 | 602892.1 | 455589.4 | 0.0 | S |
| 155.908 | 0.0000 | 0.0000 | 81.392 | 0.17829 | 0.00000 | 602892.1 | 455594.8 | 0.0 | S |
| 155.917 | 0.0000 | 0.0000 | 81.392 | 0.17828 | 0.00000 | 602892.1 | 455600.1 | 0.0 | S |
| 155.925 | 0.0000 | 0.0000 | 81.392 | 0.17827 | 0.00000 | 602892.1 | 455605.5 | 0.0 | S |
| 155.933 | 0.0000 | 0.0000 | 81.392 | 0.17826 | 0.00000 | 602892.1 | 455610.8 | 0.0 | S |
| 155.942 | 0.0000 | 0.0000 | 81.392 | 0.17825 | 0.00000 | 602892.1 | 455616.2 | 0.0 | S |
| 155.950 | 0.0000 | 0.0000 | 81.392 | 0.17824 | 0.00000 | 602892.1 | 455621.5 | 0.0 | S |
| 155.958 | 0.0000 | 0.0000 | 81.392 | 0.77823 | 0.00000 | 602892.1 | 455626.9 | 0.0 | S |
| 155.967 | 0.0000 | 0.0000 | 81.391 | 0.17822 | 0.00000 | 602892.1 | 455632.2 | 0.0 | S |
| 155.975 | 0.0000 | 0.0000 | 81.391 | 0.17821 | 0.00000 | 602892.1 | 455637.6 | 0.0 | S |
| 155.983 | 0.0000 | 0.0000 | 81.391 | 0.17820 | 0.00000 | 602892.1 | 455642.9 | 0.0 | S |
| 155.992 | 0.0000 | 0.0000 | 81.391 | 0.17819 | 0.00000 | 602892.1 | 455648.3 | 0.0 | S |
| 156.000 | 0.0000 | 0.0000 | 81.391 | 0.17818 | 0.00000 | 602892.1 | 455653.6 | 0.0 | S |
| 156.008 | 0.0000 | 0.0000 | 81.391 | 0.17817 | 0.00000 | 602892.1 | 455658.9 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont, d.)
:: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow <br> Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume (ft ${ }^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | $\begin{aligned} & \text { Flow } \\ & \text { Type } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 156.017 | 0.0000 | 0.0000 | 81.391 | 0.17816 | 0.00000 | 602892.1 | 455664.3 | 0.0 | S |
| 156.025 | 0.0000 | 0.0000 | 81.391 | 0.17815 | 0.00000 | 602892.1 | 455669.6 | 0.0 | S |
| 156.033 | 0.0000 | 0.0000 | 81.391 | 0.17814 | 0.00000 | 602892.1 | 455675.0 | 0.0 | S |
| 156.042 | 0.0000 | 0.0000 | 81.391 | 0.17813 | 0.00000 | 602892.1 | 455680.3 | 0.0 | S |
| 156.050 | 0.0000 | 0.0000 | 81.390 | 0.17812 | 0.00000 | 602892.1 | 455685.7 | 0.0 | S |
| 156.058 | 0.0000 | 0.0000 | 81.390 | 0.17811 | 0.00000 | 602892.1 | 455691.0 | 0.0 | S |
| 156.067 | 0.0000 | 0.0000 | 81.390 | 0.17810 | 0.00000 | 602892.1 | 455696.3 | 0.0 | S |
| 156.075 | 0.0000 | 0.0000 | 81.390 | 0.17809 | 0.00000 | 602892.1 | 455701.7 | 0.0 | S |
| 156.083 | 0.0000 | 0.0000 | 81.390 | 0.17808 | 0.00000 | 602892.1 | 455707.0 | 0.0 | S |
| 156.092 | 0.0000 | 0.0000 | 81.390 | 0.17807 | 0.00000 | 602892.1 | 455712.4 | 0.0 | S |
| 156.100 | 0.0000 | 0.0000 | 81.390 | 0.17806 | 0.00000 | 602892.1 | 455717.7 | 0.0 | S |
| 156.108 | 0.0000 | 0.0000 | 81.390 | 0.17805 | 0.00000 | 602892.1 | 455723.1 | 0.0 | S |
| 156.117 | 0.0000 | 0.0000 | 81.390 | 0.17804 | 0.00000 | 602892.1 | 455728.4 | 0.0 | S |
| 156.125 | 0.0000 | 0.0000 | 81.390 | 0.17803 | 0.00000 | 602892.1 | 455733.8 | 0.0 | S |
| 156.133 | 0.0000 | 0.0000 | 81.389 | 0.17802 | 0.00000 | 602892.1 | 455739.1 | 0.0 | S |
| 156.142 | 0.0000 | 0.0000 | 81.389 | 0.17801 | 0.00000 | 602892.1 | 455744.4 | 0.0 | S |
| 156.150 | 0.0000 | 0.0000 | 81.389 | 0.17800 | 0.00000 | 602892.1 | 455749.8 | 0.0 | S |
| 156.158 | 0.0000 | 0.0000 | 81.389 | 0.17799 | 0.00000 | 602892.1 | 455755.1 | 0.0 | S |
| 156.167 | 0.0000 | 0.0000 | 81.389 | 0.17798 | 0.00000 | 602892.1 | 455760.4 | 0.0 | S |
| 156.175 | 0.0000 | 0.0000 | 81.389 | 0.17797 | 0.00000 | 602892.1 | 455765.8 | 0.0 | S |
| 156.183 | 0.0000 | 0.0000 | 81.389 | 0.17796 | 0.00000 | 602892.1 | 455771.1 | 0.0 | S |
| 156.192 | 0.0000 | 0.0000 | 81.389 | 0.17795 | 0.00000 | 602892.1 | 455776.5 | 0.0 | S |
| 156.200 | 0.0000 | 0.0000 | 81.389 | 0.17794 | 0.00000 | 602892.1 | 455781.8 | 0.0 | S |
| 156.208 | 0.0000 | 0.0000 | 81.389 | 0.17793 | 0.00000 | 602892.1 | 455787.1 | 0.0 | S |
| 156.217 | 0.0000 | 0.0000 | 81.388 | 0.17792 | 0.00000 | 602892.1 | 455792.5 | 0.0 | S |
| 156.225 | 0.0000 | 0.0000 | 81.388 | 0.17791 | 0.00000 | 602892.1 | 455797.8 | 0.0 | S |
| 156.233 | 0.0000 | 0.0000 | 81.388 | 0.17790 | 0.00000 | 602892.1 | 455803.2 | 0.0 | S |
| 156.242 | 0.0000 | 0.0000 | 81.388 | 0.17789 | 0.00000 | 602892.1 | 455808.5 | 0.0 | S |
| 156.250 | 0.0000 | 0.0000 | 81.388 | 0.17788 | 0.00000 | 602892.1 | 455813.8 | 0.0 | S |
| 156.258 | 0.0000 | 0.0000 | 81.388 | 0.17787 | 0.00000 | 602892.1 | 455819.2 | 0.0 | S |
| 156.267 | 0.0000 | 0.0000 | 81.388 | 0.17786 | 0.00000 | 602892.1 | 455824.5 | 0.0 | S |
| 156.275 | 0.0000 | 0.0000 | 81.388 | 0.17785 | 0.00000 | 602892.1 | 455829.8 | 0.0 | S |
| 156.283 | 0.0000 | 0.0000 | 81.388 | 0.17784 | 0.00000 | 602892.1 | 455835.2 | 0.0 | S |
| 156.292 | 0.0000 | 0.0000 | 81.388 | 0.17783 | 0.00000 | 602892.1 | 455840.5 | 0.0 | S |
| 156.300 | 0.0000 | 0.0000 | 81.387 | 0.17782 | 0.00000 | 602892.1 | 455845.8 | 0.0 | S |
| 156.308 | 0.0000 | 0.0000 | 81.387 | 0.17781 | 0.00000 | 602892.1 | 455851.2 | 0.0 | S |
| 156.317 | 0.0000 | 0.0000 | 81.387 | 0.17780 | 0.00000 | 602892.1 | 455856.5 | 0.0 | S |
| 156.325 | 0.0000 | 0.0000 | 81.387 | 0.17779 | 0.00000 | 602892.1 | 455861.8 | 0.0 | S |
| 156.333 | 0.0000 | 0.0000 | 81.387 | 0.17778 | 0.00000 | 602892.1 | 455867.2 | 0.0 | S |
| 156.342 | 0.0000 | 0.0000 | 81.387 | 0.17777 | 0.00000 | 602892.1 | 455872.5 | 0.0 | S |
| 156.350 | 0.0000 | 0.0000 | 81.387 | 0.17776 | 0.00000 | 602892.1 | 455877.8 | 0.0 | S |
| 156.358 | 0.0000 | 0.0000 | 81.387 | 0.17775 | 0.00000 | 602892.1 | 455883.2 | 0.0 | S |
| 156.367 | 0.0000 | 0.0000 | 81.387 | 0.17774 | 0.00000 | 602892.1 | 455888.5 | 0.0 | S |
| 156.375 | 0.0000 | 0.0000 | 81.387 | 0.17774 | 0.00000 | 602892.1 | 455893.8 | 0.0 | S |
| 156.383 | 0.0000 | 0.0000 | 81.386 | 0.17773 | 0.00000 | 602892.1 | 455899.2 | 0.0 | S |
| 156.392 | 0.0000 | 0.0000 | 81.386 | 0.17772 | 0.00000 | 602892.1 | 455904.5 | 0.0 | S |
| 156.400 | 0.0000 | 0.0000 | 81.386 | 0.17771 | 0.00000 | 602892.1 | 455909.8 | 0.0 | S |
| 156.408 | 0.0000 | 0.0000 | 81.386 | 0.17770 | 0.00000 | 602892.1 | 455915.2 | 0.0 | S |
| 156.417 | 0.0000 | 0.0000 | 81.386 | 0.17769 | 0.00000 | 602892.1 | 455920.5 | 0.0 | S |
| 156.425 | 0.0000 | 0.0000 | 81.386 | 0.17768 | 0.00000 | 602892.1 | 455925.8 | 0.0 | S |
| 156.433 | 0.0000 | 0.0000 | 81.386 | 0.17767 | 0.00000 | 602892.1 | 455931.2 | 0.0 | S |
| 156.442 | 0.0000 | 0.0000 | 81.386 | 0.17766 | 0.00000 | 602892.1 | 455936.5 | 0.0 | S |
| 156.450 | 0.0000 | 0.0000 | 81.386 | 0.17765 | 0.00000 | 602892.1 | 455941.8 | 0.0 | S |
| 156.458 | 0.0000 | 0.0000 | 81.386 | 0.17764 | 0.00000 | 602892.1 | 455947.2 | 0.0 | S |
| 156.467 | 0.0000 | 0.0000 | 81.385 | 0.17763 | 0.00000 | 602892.1 | 455952.5 | 0.0 | S |
| 156.475 | 0.0000 | 0.0000 | 81.385 | 0.17762 | 0.00000 | 602892.1 | 455957.8 | 0.0 | S |
| 156.483 | 0.0000 | 0.0000 | 81.385 | 0.17761 | 0.00000 | 602892.1 | 455963.1 | 0.0 | S |
| 156.492 | 0.0000 | 0.0000 | 81.385 | 0.17760 | 0.00000 | 602892.1 | 455968.5 | 0.0 | S |
| 156.500 | 0.0000 | 0.0000 | 81.385 | 0.17759 | 0.00000 | 602892.1 | 455973.8 | 0.0 | S |
| 156.508 | 0.0000 | 0.0000 | 81.385 | 0.17758 | 0.00000 | 602892.1 | 455979.1 | 0.0 | S |
| 156.517 | 0.0000 | 0.0000 | 81.385 | 0.17757 | 0.00000 | 602892.1 | 455984.4 | 0.0 | S |
| 156.525 | 0.0000 | 0.0000 | 81.385 | 0.17756 | 0.00000 | 602892.1 | 455989.8 | 0.0 | S |
| 156.533 | 0.0000 | 0.0000 | 81.385 | 0.17755 | 0.00000 | 602892.1 | 455995.1 | 0.0 | S |
| 156.542 | 0.0000 | 0.0000 | 81.385 | 0.17754 | 0.00000 | 602892.1 | 456000.4 | 0.0 | S |
| 156.550 | 0.0000 | 0.0000 | 81.384 | 0.17753 | 0.00000 | 602892.1 | 456005.8 | 0.0 | S |
| 156.558 | 0.0000 | 0.0000 | 81.384 | 0.17752 | 0.00000 | 602892.1 | 456011.1 | 0.0 | S |
| 156.567 | 0.0000 | 0.0000 | 81.384 | 0.17751 | 0.00000 | 602892.1 | 456016.4 | 0.0 | S |
| 156.575 | 0.0000 | 0.0000 | 81.384 | 0.17750 | 0.00000 | 602892.1 | 456021.7 | 0.0 | S |
| 156.583 | 0.0000 | 0.0000 | 81.384 | 0.17749 | 0.00000 | 602892.1 | 456027.1 | 0.0 | S |
| 156.592 | 0.0000 | 0.0000 | 81.384 | 0.17748 | 0.00000 | 602892.1 | 456032.4 | 0.0 | S |
| 156.600 | 0.0000 | 0.0000 | 81.384 | 0.17747 | 0.00000 | 602892.1 | 456037.7 | 0.0 | S |
| 156.608 | 0.0000 | 0.0000 | 81.384 | 0.17746 | 0.00000 | 602892.1 | 456043.0 | 0.0 | S |
| 156.617 | 0.0000 | 0.0000 | 81.384 | 0.17745 | 0.00000 | 602892.1 | 456048.3 | 0.0 | S |
| 156.625 | 0.0000 | 0.0000 | 81.384 | 0.17744 | 0.00000 | 602892.1 | 456053.7 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | infiltration Rate ( $\mathrm{ft}^{3 /} \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 156.633 | 0.0000 | 0.0000 | 81.384 | 0.17743 | 0.00000 | 602892.1 | 456059.0 | 0.0 | S |
| 156.642 | 0.0000 | 0.0000 | 81.383 | 0.17742 | 0.00000 | 602892.1 | 456064.3 | 0.0 | S |
| 156.650 | 0.0000 | 0.0000 | 81.383 | 0.17741 | 0.00000 | 602892.1 | 456069.6 | 0.0 | S |
| 156.658 | 0.0000 | 0.0000 | 81.383 | 0.17740 | 0.00000 | 602892.1 | 456075.0 | 0.0 | S |
| 156.667 | 0.0000 | 0.0000 | 81.383 | 0.17739 | 0.00000 | 602892.1 | 456080.3 | 0.0 | S |
| 156.675 | 0.0000 | 0.0000 | 81.383 | 0.17738 | 0.00000 | 602892.1 | 456085.6 | 0.0 | S |
| 156.683 | 0.0000 | 0.0000 | 81.383 | 0.17737 | 0.00000 | 602892.1 | 456090.9 | 0.0 | S |
| 156.692 | 0.0000 | 0.0000 | 81.383 | 0.17736 | 0.00000 | 602892.1 | 456096.3 | 0.0 | S |
| 156.700 | 0.0000 | 0.0000 | 81.383 | 0.17735 | 0.00000 | 602892.1 | 456101.6 | 0.0 | S |
| 156.708 | 0.0000 | 0.0000 | 81.383 | 0.17734 | 0.00000 | 602892.1 | 456106.9 | 0.0 | S |
| 156.717 | 0.0000 | 0.0000 | 81.383 | 0.17733 | 0.00000 | 602892.1 | 456112.2 | 0.0 | S |
| 156.725 | 0.0000 | 0.0000 | 81.382 | 0.17732 | 0.00000 | 602892.1 | 456117.5 | 0.0 | S |
| 156.733 | 0.0000 | 0.0000 | 81.382 | 0.17731 | 0.00000 | 602892.1 | 456122.8 | 0.0 | S |
| 156.742 | 0.0000 | 0.0000 | 81.382 | 0.17730 | 0.00000 | 602892.1 | 456128.2 | 0.0 | S |
| 156.750 | 0.0000 | 0.0000 | 81.382 | 0.17729 | 0.00000 | 602892.1 | 456133.5 | 0.0 | S |
| 156.758 | 0.0000 | 0.0000 | 81.382 | 0.17728 | 0.00000 | 602892.1 | 456138.8 | 0.0 | S |
| 156.767 | 0.0000 | 0.0000 | 81.382 | 0.17727 | 0.00000 | 602892.1 | 456144.1 | 0.0 | S |
| 156.775 | 0.0000 | 0.0000 | 81.382 | 0.17726 | 0.00000 | 602892.1 | 456149.4 | 0.0 | S |
| 156.783 | 0.0000 | 0.0000 | 81.382 | 0.17725 | 0.00000 | 602892.1 | 456154.8 | 0.0 | 5 |
| 156.792 | 0.0000 | 0.0000 | 81.382 | 0.17724 | 0.00000 | 602892.1 | 456160.1 | 0.0 | S |
| 156.800 | 0.0000 | 0.0000 | 81.382 | 0.17723 | 0.00000 | 602892.1 | 456165.4 | 0.0 | S |
| 156.808 | 0.0000 | 0.0000 | 81.381 | 0.17722 | 0.00000 | 602892.1 | 456170.7 | 0.0 | S |
| 156.817 | 0.0000 | 0.0000 | 81.381 | 0.17721 | 0.00000 | 602892.1 | 456176.0 | 0.0 | 5 |
| 156.825 | 0.0000 | 0.0000 | 81.381 | 0.17720 | 0.00000 | 602892.1 | 456181.3 | 0.0 | S |
| 156.833 | 0.0000 | 0.0000 | 81.381 | 0.17719 | 0.00000 | 602892.1 | 456186.7 | 0.0 | S |
| 156.842 | 0.0000 | 0.0000 | 81.381 | 0.17718 | 0.00000 | 602892.1 | 456192.0 | 0.0 | S |
| 156.850 | 0.0000 | 0.0000 | 81.381 | 0.17717 | 0.00000 | 602892.1 | 456197.3 | 0.0 | S |
| 156.858 | 0.0000 | 0.0000 | 81.381 | 0.17716 | 0.00000 | 602892.1 | 456202.6 | 0.0 | S |
| 156.867 | 0.0000 | 0.0000 | 81.381 | 0.17715 | 0.00000 | 602892.1 | 456207.9 | 0.0 | S |
| 156.875 | 0.0000 | 0.0000 | 81.381 | 0.17714 | 0.00000 | 602892.1 | 456213.2 | 0.0 | S |
| 156.883 | 0.0000 | 0.0000 | 81.381 | 0.17713 | 0.00000 | 602892.1 | 456218.5 | 0.0 | S |
| 156.892 | 0.0000 | 0.0000 | 81.380 | 0.17712 | 0.00000 | 602892.1 | 456223.8 | 0.0 | S |
| 156.900 | 0.0000 | 0.0000 | 81.380 | 0.17711 | 0.00000 | 602892.1 | 456229.2 | 0.0 | S |
| 156.908 | 0.0000 | 0.0000 | 81.380 | 0.17710 | 0.00000 | 602892.1 | 456234.5 | 0.0 | S |
| 156.917 | 0.0000 | 0.0000 | 81.380 | 0.17709 | 0.00000 | 602892.1 | 456239.8 | 0.0 | S |
| 156.925 | 0.0000 | 0.0000 | 81.380 | 0.17709 | 0.00000 | 602892.1 | 456245.1 | 0.0 | S |
| 156.933 | 0.0000 | 0.0000 | 81.380 | 0.17708 | 0.00000 | 602892.1 | 456250.4 | 0.0 | S |
| 156.942 | 0.0000 | 0.0000 | 81.380 | 0.17707 | 0.00000 | 602892.1 | 456255.8 | 0.0 | S |
| 156.950 | 0.0000 | 0.0000 | 81.380 | 0.17706 | 0.00000 | 602892.1 | 456261.1 | 0.0 | S |
| 156.958 | 0.0000 | 0.0000 | 81.380 | 0.17705 | 0.00000 | 602892.1 | 456266.3 | 0.0 | S |
| 156.967 | 0.0000 | 0.0000 | 81.380 | 0.17704 | 0.00000 | 602892.1 | 456271.7 | 0.0 | S |
| 156.975 | 0.0000 | 0.0000 | 81.379 | 0.17703 | 0.00000 | 602892.1 | 456277.0 | 0.0 | S |
| 156.983 | 0.0000 | 0.0000 | 81.379 | 0.17702 | 0.00000 | 602892.1 | 456282.3 | 0.0 | S |
| 156.992 | 0.0000 | 0.0000 | 81.379 | 0.17701 | 0.00000 | 602892.1 | 456287.6 | 0.0 | S |
| 157.000 | 0.0000 | 0.0000 | 81.379 | 0.17700 | 0.00000 | 602892.1 | 456292.9 | 0.0 | S |
| 157.008 | 0.0000 | 0.0000 | 81.379 | 0.17699 | 0.00000 | 602892.1 | 456298.2 | 0.0 | S |
| 157.017 | 0.0000 | 0.0000 | 81.379 | 0.17698 | 0.00000 | 602892.1 | 456303.5 | 0.0 | S |
| $\{57.025$ | 0.0000 | 0.0000 | 81.379 | 0.17697 | 0.00000 | 602892.1 | 456308.8 | 0.0 | S |
| 157.033 | 0.0000 | 0.0000 | 81.379 | 0.17696 | 0.00000 | 602892.1 | 456314.2 | 0.0 | S |
| 157.042 | 0.0000 | 0.0000 | 81.379 | 0.17695 | 0.00000 | 602892.1 | 456319.5 | 0.0 | S |
| 157.050 | 0.0000 | 0.0000 | 81.379 | 0.17694 | 0.00000 | 602892.1 | 456324.8 | 0.0 | S |
| 157.058 | 0.0000 | 0.0000 | 81.378 | 0.17693 | 0.00000 | 602892.1 | 456330.1 | 0.0 | S |
| 157.067 | 0.0000 | 0.0000 | 81.378 | 0.17692 | 0.00000 | 602892.1 | 456335.4 | 0.0 | S |
| 157.075 | 0.0000 | 0.0000 | 81.378 | 0.17691 | 0.00000 | 602892.1 | 456340.7 | 0.0 | S |
| 157.083 | 0.0000 | 0.0000 | 81.378 | 0.17690 | 0.00000 | 602892.1 | 456346.0 | 0.0 | S |
| 157.092 | 0.0000 | 0.0000 | 81.378 | 0.17689 | 0.00000 | 602892.1 | 456351.3 | 0.0 | S |
| 157.100 | 0.0000 | 0.0000 | 81.378 | 0.17688 | 0.00000 | 602892.1 | 456356.6 | 0.0 | S |
| 157.108 | 0.0000 | 0.0000 | 81.378 | 0.17687 | 0.00000 | 602892.1 | 456361.9 | 0.0 | S |
| 157.117 | 0.0000 | 0.0000 | 81.378 | 0.17686 | 0.00000 | 602892.1 | 456367.2 | 0.0 | S |
| 157.125 | 0.0000 | 0.0000 | 81.378 | 0.17685 | 0.00000 | 602892.1 | 456372.5 | 0.0 | S |
| 157.133 | 0.0000 | 0.0000 | 81.378 | 0.17684 | 0.00000 | 602892.1 | 456377.8 | 0.0 | S |
| 157.142 | 0.0000 | 0.0000 | 81.377 | 0.17683 | 0.00000 | 602892.1 | 456383.1 | 0.0 | S |
| 157.150 | 0.0000 | 0.0000 | 81.377 | 0.17682 | 0.00000 | 602892.1 | 456388.4 | 0.0 | S |
| 157.158 | 0.0000 | 0.0000 | 81.377 | 0.17681 | 0.00000 | 602892.1 | 456393.8 | 0.0 | S |
| 157.167 | 0.0000 | 0.0000 | 81.377 | 0.17680 | 0.00000 | 602892.1 | 456399.1 | 0.0 | S |
| 157.175 | 0.0000 | 0.0000 | 81.377 | 0.17679 | 0.00000 | 602892.1 | 456404.3 | 0.0 | S |
| 157.183 | 0.0000 | 0.0000 | 81.377 | 0.17678 | 0.00000 | 602892.1 | 456409.7 | 0.0 | S |
| 157.192 | 0.0000 | 0.0000 | 81.377 | 0.17677 | 0.00000 | 602892.1 | 456415.0 | 0.0 | S |
| 157.200 | 0.0000 | 0.0000 | 81.377 | 0.17676 | 0.00000 | 602892.1 | 456420.3 | 0.0 | S |
| 157.208 | 0.0000 | 0.0000 | 81.377 | 0.17675 | 0.00000 | 602892.1 | 456425.6 | 0.0 | S |
| 157.217 | 0.0000 | 0.0000 | 81.377 | 0.17674 | 0.00000 | 602892.1 | 456430.9 | 0.0 | S |
| 157.225 | 0.0000 | 0.0000 | 81.376 | 0.17673 | 0.00000 | 602892.1 | 456436.2 | 0.0 | S |
| 157.233 | 0.0000 | 0.0000 | 81.376 | 0.17672 | 0.00000 | 602892.1 | 456441.5 | 0.0 | S |
| 157.242 | 0.0000 | 0.0000 | 81.376 | 0.17671 | 0.00000 | 602892.1 | 456446.8 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:: Scenario $1::$ pond 9100 year $/ 24$ hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | $\begin{aligned} & \text { Flow } \\ & \text { Type } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 157.250 | 0.0000 | 0.0000 | 81.376 | 0.17670 | 0.00000 | 602892.1 | 456452.1 | 0.0 | S |
| 157.258 | 0.0000 | 0.0000 | 81.376 | 0.17669 | 0.00000 | 602892.1 | 456457.4 | 0.0 | S |
| 157.267 | 0.0000 | 0.0000 | 81.376 | 0.17668 | 0.00000 | 602892.1 | 456462.7 | 0.0 | S |
| 157.275 | 0.0000 | 0.0000 | 81.376 | 0.17667 | 0.00000 | 602892.1 | 456468.0 | 0.0 | S |
| 157.283 | 0.0000 | 0.0000 | 81.376 | 0.17666 | 0.00000 | 602892.1 | 456473.3 | 0.0 | S |
| 157.292 | 0.0000 | 0.0000 | 81.376 | 0.17665 | 0.00000 | 602892.1 | 456478.6 | 0.0 | S |
| 157.300 | 0.0000 | 0.0000 | 81.376 | 0.17664 | 0.00000 | 602892.1 | 456483.9 | 0.0 | S |
| 157.308 | 0.0000 | 0.0000 | 81.375 | 0.17663 | 0.00000 | 602892.1 | 456489.2 | 0.0 | S |
| 157.317 | 0.0000 | 0.0000 | 81.375 | 0.17662 | 0.00000 | 602892.1 | 456494.5 | 0.0 | S |
| 157.325 | 0.0000 | 0.0000 | 81,375 | 0.17662 | 0.00000 | 602892.1 | 456499.8 | 0.0 | S |
| 157.333 | 0.0000 | 0.0000 | 81.375 | 0.17661 | 0.00000 | 602892.1 | 456505.1 | 0.0 | S |
| 157.342 | 0.0000 | 0.0000 | 81.375 | 0.17660 | 0.00000 | 602892.1 | 456510.4 | 0.0 | S |
| 157.350 | 0.0000 | 0.0000 | 81.375 | 0.17659 | 0.00000 | 602892.1 | 456515.7 | 0.0 | S |
| 157.358 | 0.0000 | 0.0000 | 81.375 | 0.17658 | 0.00000 | 602892.1 | 456521.0 | 0.0 | S |
| 157.367 | 0.0000 | 0.0000 | 81.375 | 0.17657 | 0.00000 | 602892.1 | 456526.3 | 0.0 | S |
| 157.375 | 0.0000 | 0.0000 | 81.375 | 0.17656 | 0.00000 | 602892.1 | 456531.6 | 0.0 | S |
| 157.383 | 0.0000 | 0.0000 | 81.375 | 0.17655 | 0.00000 | 602892.1 | 456536.8 | 0.0 | S |
| 157.392 | 0.0000 | 0.0000 | 81.374 | 0.17654 | 0.00000 | 602892.1 | 456542.2 | 0.0 | S |
| 157.400 | 0.0000 | 0.0000 | 81.374 | 0.17653 | 0.00000 | 602892.1 | 456547.4 | 0.0 | S |
| 157.408 | 0.0000 | 0.0000 | 81.374 | 0.17652 | 0.00000 | 602892.1 | 456552.8 | 0.0 | S |
| 157.417 | 0.0000 | 0.0000 | 81.374 | 0.17651 | 0.00000 | 602892.1 | 456558.0 | 0.0 | S |
| 157.425 | 0.0000 | 0.0000 | 81.374 | 0.17650 | 0.00000 | 602892.1 | 456563.3 | 0.0 | S |
| 157.433 | 0.0000 | 0.0000 | 81.374 | 0.17649 | 0.00000 | 602892.1 | 456568.6 | 0.0 | S |
| 157.442 | 0.0000 | 0.0000 | 81.374 | 0.17648 | 0.00000 | 602892.1 | 456573.9 | 0.0 | S |
| 157.450 | 0.0000 | 0.0000 | 81.374 | 0.17647 | 0.00000 | 602892.1 | 456579.2 | 0.0 | S |
| 157.458 | 0.0000 | 0.0000 | 81.374 | 0.17646 | 0.00000 | 602892.1 | 456584.5 | 0.0 | S |
| 157.467 | 0.0000 | 0.0000 | 81.374 | 0.17645 | 0.00000 | 602892.1 | 456589.8 | 0.0 | S |
| 157.475 | 0.0000 | 0.0000 | 81.374 | 0.17644 | 0.00000 | 602892.1 | 456595.1 | 0.0 | S |
| 157.483 | 0.0000 | 0.0000 | 81.373 | 0.17643 | 0.00000 | 602892.1 | 456600.4 | 0.0 | S |
| 157.492 | 0.0000 | 0.0000 | 81.373 | 0.17642 | 0.00000 | 602892.1 | 456605.7 | 0.0 | S |
| 157.500 | 0.0000 | 0.0000 | 81.373 | 0.17641 | 0.00000 | 602892.1 | 456611.0 | 0.0 | S |
| 157.508 | 0.0000 | 0.0000 | 81.373 | 0.17640 | 0.00000 | 602892.1 | 456616.3 | 0.0 | S |
| 157.517 | 0.0000 | 0.0000 | 81.373 | 0.17639 | 0.00000 | 602892.1 | 456621.6 | 0.0 | S |
| 157.525 | 0.0000 | 0.0000 | 81.373 | 0.17638 | 0.00000 | 602892.1 | 456626.8 | 0.0 | S |
| 157.533 | 0.0000 | 0.0000 | 81.373 | 0.17637 | 0.00000 | 602892.1 | 456632.2 | 0.0 | S |
| 157.542 | 0.0000 | 0.0000 | 81.373 | 0.17636 | 0.00000 | 602892.1 | 456637.4 | 0.0 | S |
| 157.550 | 0.0000 | 0.0000 | 81.373 | 0.17635 | 0.00000 | 602892.1 | 456642.7 | 0.0 | S |
| 157.558 | 0.0000 | 0.0000 | 81.373 | 0.17634 | 0.00000 | 602892.1 | 456648.0 | 0.0 | S |
| 157.567 | 0.0000 | 0.0000 | 81.372 | 0.17633 | 0.00000 | 602892.1 | 456653.3 | 0.0 | S |
| 157.575 | 0.0000 | 0.0000 | 81.372 | 0.17632 | 0.00000 | 602892.1 | 456658.6 | 0.0 | S |
| 157.583 | 0.0000 | 0.0000 | 81.372 | 0.17631 | 0.00000 | 602892.1 | 456663.9 | 0.0 | S |
| 157.592 | 0.0000 | 0.0000 | 81.372 | 0.17630 | 0.00000 | 602892.1 | 456669.2 | 0.0 | S |
| 157.600 | 0.0000 | 0.0000 | 81.372 | 0.17629 | 0.00000 | 602892.1 | 456674.5 | 0.0 | S |
| 157.608 | 0.0000 | 0.0000 | 81.372 | 0.17628 | 0.00000 | 602892.1 | 456679.8 | 0.0 | S |
| 157.617 | 0.0000 | 0.0000 | 81.372 | 0.17627 | 0.00000 | 602892.1 | 456685.0 | 0.0 | S |
| 157.625 | 0.0000 | 0.0000 | 81.372 | 0.17626 | 0.00000 | 602892.1 | 456690.3 | 0.0 | S |
| 157.633 | 0.0000 | 0.0000 | 81.372 | 0.17625 | 0.00000 | 602892.1 | 456695.6 | 0.0 | S |
| 157.642 | 0.0000 | 0.0000 | 81.372 | 0.17624 | 0.00000 | 602892.1 | 456700.9 | 0.0 | S |
| 157.650 | 0.0000 | 0.0000 | 81.371 | 0.17623 | 0.00000 | 602892.1 | 456706.2 | 0.0 | S |
| 157.658 | 0.0000 | 0.0000 | 81.371 | 0.17623 | 0.00000 | 602892.1 | 456711.5 | 0.0 | S |
| 157.667 | 0.0000 | 0.0000 | 81.371 | 0.17622 | 0.00000 | 602892.1 | 456716.8 | 0.0 | S |
| 157.675 | 0.0000 | 0.0000 | 81.371 | 0.17621 | 0.00000 | 602892.1 | 456722.1 | 0.0 | S |
| 157.683 | 0.0000 | 0.0000 | 81.371 | 0.17620 | 0.00000 | 602892.1 | 456727.3 | 0.0 | S |
| 157.692 | 0.0000 | 0.0000 | 81.371 | 0.17619 | 0.00000 | 602892.1 | 456732.6 | 0.0 | S |
| 157.700 | 0.0000 | 0.0000 | 81.371 | 0.17618 | 0.00000 | 602892.1 | 456737.9 | 0.0 | S |
| 157.708 | 0.0000 | 0.0000 | 81.371 | 0.17617 | 0.00000 | 602892.1 | 456743.2 | 0.0 | S |
| 157.717 | 0.0000 | 0.0000 | 81.371 | 0.17616 | 0.00000 | 602892.1 | 456748.5 | 0.0 | S |
| 157.725 | 0.0000 | 0.0000 | 81.371 | 0.17615 | 0.00000 | 602892.1 | 456753.8 | 0.0 | S |
| 157.733 | 0.0000 | 0.0000 | 81.370 | 0.17614 | 0.00000 | 602892.1 | 456759.1 | 0.0 | S |
| 157.742 | 0.0000 | 0.0000 | 81.370 | 0.17613 | 0.00000 | 602892.1 | 456764.3 | 0.0 | S |
| \$57.750 | 0.0000 | 0.0000 | 81.370 | 0.17612 | 0.00000 | 602892.1 | 456769.6 | 0.0 | S |
| 157.758 | 0.0000 | 0.0000 | 81.370 | 0.17611 | 0.00000 | 602892.1 | 456774.9 | 0.0 | S |
| 157.767 | 0.0000 | 0.0000 | 81.370 | 0.17610 | 0.00000 | 602892.1 | 456780.2 | 0.0 | S |
| 157.775 | 0.0000 | 0.0000 | 81.370 | 0.17609 | 0.00000 | 602892.1 | 456785.5 | 0.0 | S |
| 157.783 | 0.0000 | 0.0000 | 81.370 | 0.17608 | 0.00000 | 602892.1 | 456790.8 | 0.0 | S |
| 157.792 | 0.0000 | 0.0000 | 81.370 | 0.17607 | 0.00000 | 602892.1 | 456796.0 | 0.0 | S |
| 157.800 | 0.0000 | 0.0000 | 81.370 | 0.17606 | 0.00000 | 602892.1 | 456801.3 | 0.0 | S |
| 157.808 | 0.0000 | 0.0000 | 81.370 | 0.17605 | 0.00000 | 602892.1 | 456806.6 | 0.0 | S |
| 157.817 | 0.0000 | 0.0000 | 81.369 | 0.17604 | 0.00000 | 602892.1 | 456811.9 | 0.0 | S |
| 157.825 | 0.0000 | 0.0000 | 81.369 | 0.17603 | 0.00000 | 602892.1 | 456817.2 | 0.0 | S |
| 157.833 | 0.0000 | 0.0000 | 81.369 | 0.17602 | 0.00000 | 602892.1 | 456822.4 | 0.0 | S |
| 157.842 | 0.0000 | 0.0000 | 81.369 | 0.17601 | 0.00000 | 602892.1 | 456827.7 | 0.0 | S |
| 157.850 | 0.0000 | 0.0000 | 81.369 | 0.17600 | 0.00000 | 602892.1 | 456833.0 | 0.0 | S |
| 157.858 | 0.0000 | 0.0000 | 81.369 | 0.17599 | 0.00000 | 602892.1 | 456838.3 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate <br> ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Outside <br> Recharge (fl/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f} \mathrm{t}^{3} \mathrm{~s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 157.867 | 0.0000 | 0.0000 | 81.369 | 0.17598 | 0.00000 | 602892.1 | 456843.6 | 0.0 | S |
| 157.875 | 0.0000 | 0.0000 | 81.369 | 0.17597 | 0.00000 | 602892.1 | 456848.8 | 0.0 | S |
| 157.883 | 0.0000 | 0.0000 | 81.369 | 0.17596 | 0.00000 | 602892.1 | 456854.1 | 0.0 | S |
| 157.892 | 0.0000 | 0.0000 | 81.369 | 0.17595 | 0.00000 | 602892.1 | 456859.4 | 0.0 | S |
| 157.900 | 0.0000 | 0.0000 | 81.368 | 0.17594 | 0.00000 | 602892.1 | 456864.7 | 0.0 | S |
| 157.908 | 0.0000 | 0.0000 | 81.368 | 0.17593 | 0.00000 | 602892.1 | 456869.9 | 0.0 | S |
| 157.917 | 0.0000 | 0.0000 | 81.368 | 0.17592 | 0.00000 | 602892.1 | 456875.2 | 0.0 | S |
| 157.925 | 0.0000 | 0.0000 | 81.368 | 0.17591 | 0.00000 | 602892.1 | 456880.5 | 0.0 | S |
| 157.933 | 0.0000 | 0.0000 | 81.368 | 0.17590 | 0.00000 | 602892.1 | 456885.8 | 0.0 | S |
| 157.942 | 0.0000 | 0.0000 | 81.368 | 0.17589 | 0.00000 | 602892.1 | 456891.1 | 0.0 | S |
| 157.950 | 0.0000 | 0.0000 | 81.368 | 0.17589 | 0.00000 | 602892.1 | 456896.3 | 0.0 | S |
| 157.958 | 0.0000 | 0.0000 | 81,368 | 0.17588 | 0.00000 | 602892.1 | 456901.6 | 0.0 | S |
| 157.967 | 0.0000 | 0.0000 | 81.368 | 0.17587 | 0.00000 | 602892.1 | 456906.9 | 0.0 | S |
| 157.975 | 0.0000 | 0.0000 | 81.368 | 0.17586 | 0.00000 | 602892.1 | 456912.2 | 0.0 | S |
| 157.983 | 0.0000 | 0.0000 | 81.367 | 0.17585 | 0.00000 | 602892.1 | 456917.4 | 0.0 | S |
| 157.992 | 0.0000 | 0.0000 | 81.367 | 0.17584 | 0.00000 | 602892.1 | 456922.7 | 0.0 | S |
| 158.000 | 0.0000 | 0.0000 | 81.367 | 0.17583 | 0.00000 | 602892.1 | 456928.0 | 0.0 | S |
| 158.008 | 0.0000 | 0.0000 | 81.367 | 0.17582 | 0.00000 | 602892.1 | 456933.3 | 0.0 | S |
| 158.017 | 0.0000 | 0.0000 | 81.367 | 0.17581 | 0.00000 | 602892.1 | 456938.5 | 0.0 | S |
| 158.025 | 0.0000 | 0.0000 | 81.367 | 0.17580 | 0.00000 | 602892.1 | 456943.8 | 0.0 | S |
| 158.033 | 0.0000 | 0.0000 | 81.367 | 0.17579 | 0.00000 | 602892.1 | 456949.1 | 0.0 | S |
| 158.042 | 0.0000 | 0.0000 | 81.367 | 0.17578 | 0.00000 | 602892.1 | 456954.4 | 0.0 | S |
| 158.050 | 0.0000 | 0.0000 | 81.367 | 0.17577 | 0.00000 | 602892.1 | 456959.6 | 0.0 | S |
| 158.058 | 0.0000 | 0.0000 | 81.367 | 0.17576 | 0.00000 | 602892.1 | 456964.9 | 0.0 | S |
| 158.067 | 0.0000 | 0.0000 | 81.366 | 0.17575 | 0.00000 | 602892.1 | 456970.2 | 0.0 | S |
| 158.075 | 0.0000 | 0.0000 | 81.366 | 0.17574 | 0.00000 | 602892.1 | 456975.4 | 0.0 | S |
| 158.083 | 0.0000 | 0.0000 | 81.366 | 0.17573 | 0.00000 | 602892.1 | 456980.7 | 0.0 | S |
| 158.092 | 0.0000 | 0.0000 | 81.366 | 0.17572 | 0.00000 | 602892.1 | 456986.0 | 0.0 | S |
| 158.100 | 0.0000 | 0.0000 | 81.366 | 0.17571 | 0.00000 | 602892.1 | 456991.3 | 0.0 | S |
| 158.108 | 0.0000 | 0.0000 | 81.366 | 0.17570 | 0.00000 | 602892.1 | 456996.5 | 0.0 | S |
| 158.117 | 0.0000 | 0.0000 | 81.366 | 0.17569 | 0.00000 | 602892.1 | 457001.8 | 0.0 | S |
| 158.125 | 0.0000 | 0.0000 | 81.366 | 0.17568 | 0.00000 | 602892.1 | 457007.1 | 0.0 | S |
| 158.133 | 0.0000 | 0.0000 | 81.366 | 0.17567 | 0.00000 | 602892.1 | 457012.3 | 0.0 | S |
| 158.142 | 0.0000 | 0.0000 | 81.366 | 0.17566 | 0.00000 | 602892.1 | 457017.6 | 0.0 | S |
| 158.150 | 0.0000 | 0.0000 | 81.366 | 0.17565 | 0.00000 | 602892.1 | 457022.9 | 0.0 | S |
| 158.158 | 0.0000 | 0.0000 | 81.365 | 0.17564 | 0.00000 | 602892.1 | 457028.2 | 0.0 | S |
| 158.167 | 0.0000 | 0.0000 | 81.365 | 0.17563 | 0.00000 | 602892.1 | 457033.4 | 0.0 | S |
| 158.175 | 0.0000 | 0.0000 | 81.365 | 0.17562 | 0.00000 | 602892.1 | 457038.7 | 0.0 | S |
| 158.183 | 0.0000 | 0.0000 | 81.365 | 0.17561 | 0.00000 | 602892.1 | 457044.0 | 0.0 | S |
| 158.192 | 0.0000 | 0.0000 | 81.365 | 0.17560 | 0.00000 | 602892.1 | 457049.2 | 0.0 | S |
| 158.200 | 0.0000 | 0.0000 | 81.365 | 0.17559 | 0.00000 | 602892.1 | 457054.5 | 0.0 | S |
| 158.208 | 0.0000 | 0.0000 | 81.365 | 0.17558 | 0.00000 | 602892.1 | 457059.8 | 0.0 | S |
| \$58.217 | 0.0000 | 0.0000 | 81.365 | 0.17558 | 0.00000 | 602892.1 | 457065.0 | 0.0 | S |
| 158.225 | 0.0000 | 0.0000 | 81.365 | 0.17557 | 0.00000 | 602892.1 | 457070.3 | 0.0 | S |
| 158.233 | 0.0000 | 0.0000 | 81.365 | 0.17556 | 0.00000 | 602892.1 | 457075.6 | 0.0 | S |
| 158.242 | 0.0000 | 0.0000 | 81.364 | 0.17555 | 0.00000 | 602892.1 | 457080.8 | 0.0 | S |
| 158.250 | 0.0000 | 0.0000 | 81.364 | 0.17554 | 0.00000 | 602892.1 | 457086.1 | 0.0 | S |
| 158.258 | 0.0000 | 0.0000 | 81.364 | 0.17553 | 0.00000 | 602892.1 | 457091.4 | 0.0 | S |
| 158.267 | 0.0000 | 0.0000 | 81.364 | 0.17552 | 0.00000 | 602892.1 | 457096.6 | 0.0 | S |
| 158.275 | 0.0000 | 0.0000 | 81.364 | 0.17551 | 0.00000 | 602892.1 | 457101.9 | 0.0 | S |
| 158.283 | 0.0000 | 0.0000 | 81.364 | 0.17550 | 0.00000 | 602892.1 | 457107.2 | 0.0 | S |
| 158.292 | 0.0000 | 0.0000 | 81.364 | 0.17549 | 0.00000 | 602892.1 | 457112.4 | 0.0 | S |
| 158.300 | 0.0000 | 0.0000 | 81.364 | 0.17548 | 0.00000 | 602892.1 | 457117.7 | 0.0 | S |
| 158.308 | 0.0000 | 0.0000 | 81.364 | 0.17547 | 0.00000 | 602892. 1 | 457123.0 | 0.0 | S |
| 158.317 | 0.0000 | 0.0000 | 81.364 | 0.17546 | 0.00000 | 602892.1 | 457128.2 | 0.0 | S |
| 158.325 | 0.0000 | 0.0000 | 81.363 | 0.17545 | 0.00000 | 602892.1 | 457133.5 | 0.0 | S |
| 158.333 | 0.0000 | 0.0000 | 81.363 | 0.17544 | 0.00000 | 602892.1 | 457138.8 | 0.0 | S |
| 158.342 | 0.0000 | 0.0000 | 81.363 | 0.17543 | 0.00000 | 602892.1 | 457144.0 | 0.0 | S |
| 158.350 | 0.0000 | 0.0000 | 81.363 | 0.17542 | 0.00000 | 602892.1 | 457149.3 | 0.0 | S |
| 158.358 | 0.0000 | 0.0000 | 81.363 | 0.17541 | 0.00000 | 602892.1 | 457154.5 | 0.0 | S |
| 158.367 | 0.0000 | 0.0000 | 81.363 | 0.17540 | 0.00000 | 602892.1 | 457159.8 | 0.0 | S |
| 158.375 | 0.0000 | 0.0000 | 81.363 | 0.17539 | 0.00000 | 602892.1 | 457165.1 | 0.0 | S |
| 158.383 | 0.0000 | 0.0000 | 81.363 | 0.17538 | 0.00000 | 602892.1 | 457170.3 | 0.0 | S |
| 158.392 | 0.0000 | 0.0000 | 81.363 | 0.17537 | 0.00000 | 602892.1 | 457175.6 | 0.0 | S |
| 158.400 | 0.0000 | 0.0000 | 81.363 | 0.17536 | 0.00000 | 602892.1 | 457180.8 | 0.0 | S |
| 158.408 | 0.0000 | 0.0000 | 81.362 | 0.17535 | 0.00000 | 602892.1 | 457186.1 | 0.0 | S |
| 158.417 | 0.0000 | 0.0000 | 81.362 | 0.17534 | 0.00000 | 602892.1 | 457191.4 | 0.0 | S |
| 158.425 | 0.0000 | 0.0000 | 81.362 | 0.17533 | 0.00000 | 602892.1 | 457196.6 | 0.0 | S |
| 158.433 | 0.0000 | 0.0000 | 81.362 | 0.17532 | 0.00000 | 602892.1 | 457201.9 | 0.0 | S |
| 158.442 | 0.0000 | 0.0000 | 81.362 | 0.17531 | 0.00000 | 602892.1 | 457207.2 | 0.0 | S |
| 158.450 | 0.0000 | 0.0000 | 81.362 | 0.17530 | 0.00000 | 602892.1 | 457212.4 | 0.0 | S |
| 158.458 | 0.0000 | 0.0000 | 81.362 | 0.17530 | 0.00000 | 602892.1 | 457217.7 | 0.0 | S |
| 158.467 | 0.0000 | 0.0000 | 81.362 | 0.17529 | 0.00000 | 602892.1 | 457222.9 | 0.0 | S |
| 158.475 | 0.0000 | 0.0000 | 81.362 | 0.17528 | 0.00000 | 602892.1 | 457228.2 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Infiow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 /} \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{t}^{3}$ ) | Cumulative Discharge Volume $\left\langle\mathrm{ft}^{3}\right\rangle$ | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 158.483 | 0.0000 | 0.0000 | 81.362 | 0.17527 | 0.00000 | 602892.1 | 457233.4 | 0.0 | S |
| 158.492 | 0.0000 | 0.0000 | 81.361 | 0.17526 | 0.00000 | 602892.1 | 457238.7 | 0.0 | S |
| 158.500 | 0.0000 | 0.0000 | 81.361 | 0.17525 | 0.00000 | 602892.1 | 457244.0 | 0.0 | S |
| 158.508 | 0.0000 | 0.0000 | 81.361 | 0.17524 | 0.00000 | 602892.1 | 457249.2 | 0.0 | S |
| 158.517 | 0.0000 | 0.0000 | 81.361 | 0.17523 | 0.00000 | 602892.1 | 457254.5 | 0.0 | S |
| 158.525 | 0.0000 | 0.0000 | 81.361 | 0.17522 | 0.00000 | 602892.1 | 457259.7 | 0.0 | S |
| 158.533 | 0.0000 | 0.0000 | 81.361 | 0.17521 | 0.00000 | 602892.1 | 457265.0 | 0.0 | S |
| 158.542 | 0.0000 | 0.0000 | 81.361 | 0.17520 | 0.00000 | 602892.1 | 457270.3 | 0.0 | S |
| 158.550 | 0.0000 | 0.0000 | 81.361 | 0.17519 | 0.00000 | 602892.1 | 457275.5 | 0.0 | S |
| 158.558 | 0.0000 | 0.0000 | 81.361 | 0.17518 | 0.00000 | 602892.1 | 457280.8 | 0.0 | S |
| 158.567 | 0.0000 | 0.0000 | 81.361 | 0.17517 | 0.00000 | 602892.1 | 457286.0 | 0.0 | S |
| 158.575 | 0.0000 | 0.0000 | 81.361 | 0.17516 | 0.00000 | 602892.1 | 457291.3 | 0.0 | S |
| 158.583 | 0.0000 | 0.0000 | 81.360 | 0.17515 | 0.00000 | 602892.1 | 457296.5 | 0.0 | S |
| 158.592 | 0.0000 | 0.0000 | 81.360 | 0.17514 | 0.00000 | 602892.1 | 457301.8 | 0.0 | S |
| 158.600 | 0.0000 | 0.0000 | 81.360 | 0.17513 | 0.00000 | 602892.1 | 457307.0 | 0.0 | S |
| 158.608 | 0.0000 | 0.0000 | 81.360 | 0.17512 | 0.00000 | 602892.1 | 457312.3 | 0.0 | S |
| 158.617 | 0.0000 | 0.0000 | 81.360 | 0.17511 | 0.00000 | 602892.1 | 457317.5 | 0.0 | S |
| 158.625 | 0.0000 | 0.0000 | 81.360 | 0.17510 | 0.00000 | 602892.1 | 457322.8 | 0.0 | S |
| 158.633 | 0.0000 | 0.0000 | 81.360 | 0.17509 | 0.00000 | 602892.1 | 457328.0 | 0.0 | S |
| 158.642 | 0.0000 | 0.0000 | 81.360 | 0.17508 | 0.00000 | 602892.1 | 457333.3 | 0.0 | S |
| 158.650 | 0.0000 | 0.0000 | 81.360 | 0.17507 | 0.00000 | 602892.1 | 457338.5 | 0.0 | S |
| 158.658 | 0.0000 | 0.0000 | 81.360 | 0.17506 | 0.00000 | 602892.1 | 457343.8 | 0.0 | S |
| 158.667 | 0.0000 | 0.0000 | 81.359 | 0.17505 | 0.00000 | 602892.1 | 457349.0 | 0.0 | S |
| 158.675 | 0.0000 | 0.0000 | 81.359 | 0.17505 | 0.00000 | 602892.1 | 457354.3 | 0.0 | S |
| 158.683 | 0.0000 | 0.0000 | 81.359 | 0.17504 | 0.00000 | 602892.1 | 457359.6 | 0.0 | S |
| 158.692 | 0.0000 | 0.0000 | 81.359 | 0.17503 | 0.00000 | 602892.1 | 457364.8 | 0.0 | S |
| 158.700 | 0.0000 | 0.0000 | 81.359 | 0.17502 | 0.00000 | 602892.1 | 457370.1 | 0.0 | S |
| 158.708 | 0.0000 | 0.0000 | 81.359 | 0.17501 | 0.00000 | 602892.1 | 457375.3 | 0.0 | S |
| 158.717 | 0.0000 | 0.0000 | 81.359 | 0.17500 | 0.00000 | 602892.1 | 457380.6 | 0.0 | S |
| 158.725 | 0.0000 | 0.0000 | 81.359 | 0.17499 | 0.00000 | 602892.1 | 457385.8 | 0.0 | S |
| 158.733 | 0.0000 | 0.0000 | 81.359 | 0.17498 | 0.00000 | 602892.1 | 457391.1 | 0.0 | S |
| 158.742 | 0.0000 | 0.0000 | 81.359 | 0.17497 | 0.00000 | 602892.1 | 457396.3 | 0.0 | S |
| 158.750 | 0.0000 | 0.0000 | 81.358 | 0.17496 | 0.00000 | 602892.1 | 457401.6 | 0.0 | S |
| 158.758 | 0.0000 | 0.0000 | 81.358 | 0.17495 | 0.00000 | 602892.1 | 457406.8 | 0.0 | S |
| 158.767 | 0.0000 | 0.0000 | 81.358 | 0.17494 | 0.00000 | 602892.1 | 457412.0 | 0.0 | S |
| 158.775 | 0.0000 | 0.0000 | 81.358 | 0.17493 | 0.00000 | 602892.1 | 457417.3 | 0.0 | S |
| 158.783 | 0.0000 | 0.0000 | 81.358 | 0.17492 | 0.00000 | 602892.1 | 457422.5 | 0.0 | S |
| 158.792 | 0.0000 | 0.0000 | 81.358 | 0.17491 | 0.00000 | 602892.1 | 457427.8 | 0.0 | S |
| 158.800 | 0.0000 | 0.0000 | 81.358 | 0.17490 | 0.00000 | 602892.1 | 457433.0 | 0.0 | S |
| 158.808 | 0.0000 | 0.0000 | 81.358 | 0.17489 | 0.00000 | 602892.1 | 457438.3 | 0.0 | S |
| 158.817 | 0.0000 | 0.0000 | 81.358 | 0.17488 | 0.00000 | 602892.1 | 457443.5 | 0.0 | S |
| 158.825 | 0.0000 | 0.0000 | 81.358 | 0.17487 | 0.00000 | 602892.1 | 457448.8 | 0.0 | S |
| 158.833 | 0.0000 | 0.0000 | 81.357 | 0.17486 | 0.00000 | 602892.1 | 457454.0 | 0.0 | S |
| 158.842 | 0.0000 | 0.0000 | 81.357 | 0.17485 | 0.00000 | 602892.1 | 457459.3 | 0.0 | S |
| 158.850 | 0.0000 | 0.0000 | 81.357 | 0.17484 | 0.00000 | 602892.1 | 457464.5 | 0.0 | S |
| 158.858 | 0.0000 | 0.0000 | 81.357 | 0.17483 | 0.00000 | 602892.1 | 457469.8 | 0.0 | S |
| 158.867 | 0.0000 | 0.0000 | 81.357 | 0.17482 | 0.00000 | 602892.1 | 457475.0 | 0.0 | S |
| 158.875 | 0.0000 | 0.0000 | 81.357 | 0.17481 | 0.00000 | 602892.1 | 457480.3 | 0.0 | S |
| 158.883 | 0.0000 | 0.0000 | 81.357 | 0.17481 | 0.00000 | 602892.1 | 457485.5 | 0.0 | S |
| 158.892 | 0.0000 | 0.0000 | 81.357 | 0.17480 | 0.00000 | 602892.1 | 457490.8 | 0.0 | S |
| 158.900 | 0.0000 | 0.0000 | 81.357 | 0.17479 | 0.00000 | 602892.1 | 457496.0 | 0.0 | S |
| 158.908 | 0.0000 | 0.0000 | 81.357 | 0.17478 | 0.00000 | 602892.1 | 457501.2 | 0.0 | S |
| 158.917 | 0.0000 | 0.0000 | 81.356 | 0.17477 | 0.00000 | 602892.1 | 457506.5 | 0.0 | S |
| 158.925 | 0.0000 | 0.0000 | 81.356 | 0.17476 | 0.00000 | 602892.1 | 457511.7 | 0.0 | S |
| 158.933 | 0.0000 | 0.0000 | 81.356 | 0.17475 | 0.00000 | 602892.1 | 457516.9 | 0.0 | S |
| 158.942 | 0.0000 | 0.0000 | 81.356 | 0.17474 | 0.00000 | 602892.1 | 457522.2 | 0.0 | S |
| 158.950 | 0.0000 | 0.0000 | 81.356 | 0.17473 | 0.00000 | 602892.1 | 457527.4 | 0.0 | S |
| 158.958 | 0.0000 | 0.0000 | 81.356 | 0.17472 | 0.00000 | 602892.1 | 457532.7 | 0.0 | S |
| 158.967 | 0.0000 | 0.0000 | 81.356 | 0.17471 | 0.00000 | 602892.1 | 457537.9 | 0.0 | S |
| 158.975 | 0.0000 | 0.0000 | 81.356 | 0.17470 | 0.00000 | 602892.1 | 457543.2 | 0.0 | S |
| 158.983 | 0.0000 | 0.0000 | 81.356 | 0.17469 | 0.00000 | 602892.1 | 457548.4 | 0.0 | S |
| 158.992 | 0.0000 | 0.0000 | 81.356 | 0.17468 | 0.00000 | 602892.1 | 457553.7 | 0.0 | S |
| 159.000 | 0.0000 | 0.0000 | 81.355 | 0.17467 | 0.00000 | 602892.1 | 457558.9 | 0.0 | S |
| 159.008 | 0.0000 | 0.0000 | 81.355 | 0.17466 | 0.00000 | 602892.1 | 457564.1 | 0.0 | S |
| 159.017 | 0.0000 | 0.0000 | 81.355 | 0.17465 | 0.00000 | 602892.1 | 457569.4 | 0.0 | S |
| 159.025 | 0.0000 | 0.0000 | 81.355 | 0.17464 | 0.00000 | 602892.1 | 457574.6 | 0.0 | S |
| 159.033 | 0.0000 | 0.0000 | 81.355 | 0.17463 | 0.00000 | 602892.1 | 457579.8 | 0.0 | S |
| 159.042 | 0.0000 | 0.0000 | 81.355 | 0.17462 | 0.00000 | 602892.1 | 457585.1 | 0.0 | S |
| 159.050 | 0.0000 | 0.0000 | 81.355 | 0.17461 | 0.00000 | 602892.1 | 457590.3 | 0.0 | S |
| 159.058 | 0.0000 | 0.0000 | 81.355 | 0.17460 | 0.00000 | 602892.1 | 457595.6 | 0.0 | S |
| 159.067 | 0.0000 | 0.0000 | 81.355 | 0.17459 | 0.00000 | 602892.1 | 457600.8 | 0.0 | S |
| 159.075 | 0.0000 | 0.0000 | 81.355 | 0.17458 | 0.00000 | 602892.1 | 457606.0 | 0.0 | S |
| 159.083 | 0.0000 | 0.0000 | 81.355 | 0.17458 | 0.00000 | 602892.1 | 457611.3 | 0.0 | S |
| 159.092 | 0.0000 | 0.0000 | 81.354 | 0.17457 | 0.00000 | 602892.1 | 457616.5 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / 3} \mathrm{~s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 159.100 | 0.0000 | 0.0000 | 81.354 | 0.17456 | 0.00000 | 602892.1 | 457621.8 | 0.0 | S |
| 159.108 | 0.0000 | 0.0000 | 81.354 | 0.17455 | 0.00000 | 602892.1 | 457627.0 | 0.0 | S |
| 159.117 | 0.0000 | 0.0000 | 81.354 | 0.17454 | 0.00000 | 602892.1 | 457632.2 | 0.0 | S |
| 159.125 | 0.0000 | 0.0000 | 81.354 | 0.17453 | 0.00000 | 602892.1 | 457637.4 | 0.0 | S |
| 159.133 | 0.0000 | 0.0000 | 81.354 | 0.17452 | 0.00000 | 602892.1 | 457642,7 | 0.0 | S |
| 159.142 | 0.0000 | 0.0000 | 81.354 | 0.17451 | 0.00000 | 602892.1 | 457647.9 | 0.0 | S |
| 159.150 | 0.0000 | 0.0000 | 81.354 | 0.17450 | 0.00000 | 602892.1 | 457653.2 | 0.0 | S |
| 159.158 | 0.0000 | 0.0000 | 81.354 | 0.17449 | 0.00000 | 602892.1 | 457658.4 | 0.0 | S |
| 159.167 | 0.0000 | 0.0000 | 81.354 | 0.17448 | 0.00000 | 602892.1 | 457663.6 | 0.0 | S |
| 159.175 | 0.0000 | 0.0000 | 81.353 | 0.17447 | 0.00000 | 602892.1 | 457668.9 | 0.0 | S |
| 159.183 | 0.0000 | 0.0000 | 81.353 | 0.17446 | 0.00000 | 602892.1 | 457674.1 | 0.0 | S |
| 159.192 | 0.0000 | 0.0000 | 81.353 | 0.17445 | 0.00000 | 602892.1 | 457679.3 | 0.0 | S |
| 159.200 | 0.0000 | 0.0000 | 81.353 | 0.17444 | 0.00000 | 602892.1 | 457684.6 | 0.0 | S |
| 159.208 | 0.0000 | 0.0000 | 81.353 | 0.17443 | 0.00000 | 602892.1 | 457689.8 | 0.0 | S |
| 159.217 | 0.0000 | 0.0000 | 81.353 | 0.17442 | 0.00000 | 602892.1 | 457695.0 | 0.0 | S |
| 159.225 | 0.0000 | 0.0000 | 81.353 | 0.17441 | 0.00000 | 602892.1 | 457700.3 | 0.0 | S |
| 159.233 | 0.0000 | 0.0000 | 81.353 | 0.17440 | 0.00000 | 602892.1 | 457705.5 | 0.0 | S |
| 159.242 | 0.0000 | 0.0000 | 81.353 | 0.17439 | 0.00000 | 602892.1 | 457710.7 | 0.0 | S |
| 159.250 | 0.0000 | 0.0000 | 81,353 | 0.17438 | 0.00000 | 602892.1 | 457716.0 | 0.0 | S |
| 159.258 | 0.0000 | 0.0000 | 81.352 | 0.17437 | 0.00000 | 602892.1 | 457721.2 | 0.0 | S |
| 159.267 | 0.0000 | 0.0000 | 81.352 | 0.17436 | 0.00000 | 602892.1 | 457726.4 | 0.0 | S |
| 159.275 | 0.0000 | 0.0000 | 81.352 | 0.17436 | 0.00000 | 602892.1 | 457731.7 | 0.0 | S |
| 159.283 | 0.0000 | 0.0000 | 81.352 | 0.17435 | 0.00000 | 602892.1 | 457736.9 | 0.0 | S |
| 159.292 | 0.0000 | 0.0000 | 81.352 | 0.17434 | 0.00000 | 602892.1 | 457742.1 | 0.0 | S |
| 159.300 | 0.0000 | 0.0000 | 81.352 | 0.17433 | 0.00000 | 602892.1 | 457747.3 | 0.0 | S |
| 159.308 | 0.0000 | 0.0000 | 81.352 | 0.17432 | 0.00000 | 602892.1 | 457752.6 | 0.0 | S |
| 159.317 | 0.0000 | 0.0000 | 81.352 | 0.17431 | 0.00000 | 602892.1 | 457757.8 | 0.0 | S |
| 159.325 | 0.0000 | 0.0000 | 81.352 | 0.17430 | 0.00000 | 602892.1 | 457763.0 | 0.0 | S |
| 159.333 | 0.0000 | 0.0000 | 81.352 | 0.17429 | 0.00000 | 602892.1 | 457768.3 | 0.0 | S |
| 159.342 | 0.0000 | 0.0000 | 81.351 | 0.17428 | 0.00000 | 602892.1 | 457773.5 | 0.0 | S |
| 159.350 | 0.0000 | 0.0000 | 81.351 | 0.17427 | 0.00000 | 602892.1 | 457778.7 | 0.0 | S |
| 159.358 | 0.0000 | 0.0000 | 81.351 | 0.17426 | 0.00000 | 602892.1 | 457783.9 | 0.0 | S |
| 159.367 | 0.0000 | 0.0000 | 81.351 | 0.17425 | 0.00000 | 602892.1 | 457789.2 | 0.0 | S |
| 159.375 | 0.0000 | 0.0000 | 81.351 | 0.17424 | 0.00000 | 602892.1 | 457794.4 | 0.0 | S |
| 159.383 | 0.0000 | 0.0000 | 81.351 | 0.17423 | 0.00000 | 602892.1 | 457799.6 | 0.0 | S |
| 159.392 | 0.0000 | 0.0000 | 81.351 | 0.17422 | 0.00000 | 602892.1 | 457804.8 | 0.0 | S |
| 159.400 | 0.0000 | 0.0000 | 81.351 | 0.17421 | 0.00000 | 602892.1 | 457810.1 | 0.0 | S |
| 159.408 | 0.0000 | 0.0000 | 81.351 | 0.17420 | 0.00000 | 602892.1 | 457815.3 | 0.0 | S |
| 159.417 | 0.0000 | 0.0000 | 81.351 | 0.17419 | 0.00000 | 602892.1 | 457820.5 | 0.0 | S |
| 159.425 | 0.0000 | 0.0000 | 81.350 | 0.17418 | 0.00000 | 602892.1 | 457825.8 | 0.0 | S |
| 159.433 | 0.0000 | 0.0000 | 81.350 | 0.17417 | 0.00000 | 602892.1 | 457831.0 | 0.0 | S |
| 159.442 | 0.0000 | 0.0000 | 81.350 | 0.17416 | 0.00000 | 602892.1 | 457836.2 | 0.0 | S |
| 159.450 | 0.0000 | 0.0000 | 81.350 | 0.17416 | 0.00000 | 602892.1 | 457841.4 | 0.0 | S |
| 159.458 | 0.0000 | 0.0000 | 81.350 | 0.17415 | 0.00000 | 602892.1 | 457846.7 | 0.0 | S |
| 159.467 | 0.0000 | 0.0000 | 81.350 | 0.17414 | 0.00000 | 602892.1 | 457851.9 | 0.0 | S |
| 159.475 | 0.0000 | 0.0000 | 81.350 | 0.17413 | 0.00000 | 602892.1 | 457857.1 | 0.0 | S |
| 159.483 | 0.0000 | 0.0000 | 81.350 | 0.17412 | 0.00000 | 602892.1 | 457862.3 | 0.0 | S |
| 159.492 | 0.0000 | 0.0000 | 81.350 | 0.17411 | 0.00000 | 602892.1 | 457867.6 | 0.0 | S |
| 159.500 | 0.0000 | 0.0000 | 81.350 | 0.17410 | 0.00000 | 602892.1 | 457872.8 | 0.0 | S |
| 159.508 | 0.0000 | 0.0000 | 81.350 | 0.17409 | 0.00000 | 602892.1 | 457878.0 | 0.0 | S |
| 159.517 | 0.0000 | 0.0000 | 81.349 | 0.17408 | 0.00000 | 602892.1 | 457883.2 | 0.0 | S |
| 159.525 | 0.0000 | 0.0000 | 81.349 | 0.17407 | 0.00000 | 602892.1 | 457888.4 | 0.0 | S |
| 159.533 | 0.0000 | 0.0000 | 81.349 | 0.17406 | 0.00000 | 602892.1 | 457893.7 | 0.0 | S |
| 159.542 | 0.0000 | 0.0000 | 81.349 | 0.17405 | 0.00000 | 602892.1 | 457898.9 | 0.0 | S |
| 159.550 | 0.0000 | 0.0000 | 81.349 | 0.17404 | 0.00000 | 602892.1 | 457904.1 | 0.0 | S |
| 159.558 | 0.0000 | 0.0000 | 81.349 | 0.17403 | 0.00000 | 602892.1 | 457909.3 | 0.0 | S |
| 159.567 | 0.0000 | 0.0000 | 81.349 | 0.17402 | 0.00000 | 602892.1 | 457914.6 | 0.0 | S |
| 159.575 | 0.0000 | 0.0000 | 81.349 | 0.17401 | 0.00000 | 602892.1 | 457919.8 | 0.0 | S |
| 159.583 | 0.0000 | 0.0000 | 81.349 | 0.17400 | 0.00000 | 602892.1 | 457925.0 | 0.0 | S |
| 159.592 | 0.0000 | 0.0000 | 81.349 | 0.17399 | 0.00000 | 602892.1 | 457930.2 | 0.0 | S |
| 159.600 | 0.0000 | 0.0000 | 81.348 | 0.17398 | 0.00000 | 602892.1 | 457935.4 | 0.0 | S |
| 159.608 | 0.0000 | 0.0000 | 81.348 | 0.17397 | 0.00000 | 602892.1 | 457940.7 | 0.0 | S |
| 159.617 | 0.0000 | 0.0000 | 81.348 | 0.17396 | 0.00000 | 602892.1 | 457945.9 | 0.0 | S |
| 159.625 | 0.0000 | 0.0000 | 81.348 | 0.17396 | 0.00000 | 602892.1 | 457951.1 | 0.0 | S |
| 159.633 | 0.0000 | 0.0000 | 81.348 | 0.17395 | 0.00000 | 602892.1 | 457956.3 | 0.0 | S |
| 159.642 | 0.0000 | 0.0000 | 81.348 | 0.17394 | 0.00000 | 602892.1 | 457961.5 | 0.0 | S |
| 159.650 | 0.0000 | 0.0000 | 81.348 | 0.17393 | 0.00000 | 602892.1 | 457966.8 | 0.0 | S |
| 159.658 | 0.0000 | 0.0000 | 81.348 | 0.17392 | 0.00000 | 602892.1 | 457972.0 | 0.0 | S |
| 159.667 | 0.0000 | 0.0000 | 81.348 | 0.17391 | 0.00000 | 602892.1 | 457977.2 | 0.0 | S |
| 159.675 | 0.0000 | 0.0000 | 81.348 | 0.17390 | 0.00000 | 602892.1 | 457982.4 | 0.0 | S |
| 159.683 | 0.0000 | 0.0000 | 81.347 | 0.17389 | 0.00000 | 602892.1 | 457987.6 | 0.0 | S |
| 159.692 | 0.0000 | 0.0000 | 81.347 | 0.17388 | 0.00000 | 602892.1 | 457992.8 | 0.0 | S |
| 159.700 | 0.0000 | 0.0000 | 81.347 | 0.17387 | 0.00000 | 602892.1 | 457998.0 | 0.0 | S |
| 159.708 | 0.0000 | 0.0000 | 81.347 | 0.17386 | 0.00000 | 602892.1 | 458003.3 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow <br> Rate <br> ( $\mathrm{A}^{3 / 3}$ ) | Outside Recharge (ftday) | Stage Elevation (fl datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume $\left(\mathrm{t}^{3}\right)$ | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 159.717 | 0.0000 | 0.0000 | 81.347 | 0.17385 | 0.00000 | 602892.1 | 458008.5 | 0.0 | S |
| 159.725 | 0.0000 | 0.0000 | 81.347 | 0.17384 | 0.00000 | 602892.1 | 458013.7 | 0.0 | S |
| 159.733 | 0.0000 | 0.0000 | 81.347 | 0.17383 | 0.00000 | 602892.1 | 458018.9 | 0.0 | S |
| 159.742 | 0.0000 | 0.0000 | 81.347 | 0.17382 | 0.00000 | 602892.1 | 458024.1 | 0.0 | S |
| 159.750 | 0.0000 | 0.0000 | 81.347 | 0.17381 | 0.00000 | 602892.1 | 458029.3 | 0.0 | S |
| 159.758 | 0.0000 | 0.0000 | 81.347 | 0.17380 | 0.00000 | 602892.1 | 458034.6 | 0.0 | S |
| 159.767 | 0.0000 | 0.0000 | 81.346 | 0.17379 | 0.00000 | 602892.1 | 458039.8 | 0.0 | S |
| 159.775 | 0.0000 | 0.0000 | 81.346 | 0.17378 | 0.00000 | 602892.1 | 458045.0 | 0.0 | S |
| 159.783 | 0.0000 | 0.0000 | 81.346 | 0.17377 | 0.00000 | 602892.1 | 458050.2 | 0.0 | S |
| 159.792 | 0.0000 | 0.0000 | 81.346 | 0.17377 | 0.00000 | 602892.1 | 458055.4 | 0.0 | S |
| 159.800 | 0.0000 | 0.0000 | 81.346 | 0.17376 | 0.00000 | 602892.1 | 458060.6 | 0.0 | S |
| 159.808 | 0.0000 | 0.0000 | 81.346 | 0.17375 | 0.00000 | 602892.1 | 458065.8 | 0.0 | S |
| 159.817 | 0.0000 | 0.0000 | 81.346 | 0.17374 | 0.00000 | 602892.1 | 458071.0 | 0.0 | S |
| 159.825 | 0.0000 | 0.0000 | 81.346 | 0.17373 | 0.00000 | 602892.1 | 458076.3 | 0.0 | S |
| 159.833 | 0.0000 | 0.0000 | 81.346 | 0.17372 | 0.00000 | 602892.1 | 458081.5 | 0.0 | S |
| 159.842 | 0.0000 | 0.0000 | 81.346 | 0.17371 | 0.00000 | 602892.1 | 458086.7 | 0.0 | S |
| 159.850 | 0.0000 | 0.0000 | 81.346 | 0.17370 | 0.00000 | 602892.1 | 458091.9 | 0.0 | S |
| 159.858 | 0.0000 | 0.0000 | 81.345 | 0.17369 | 0.00000 | 602892.1 | 458097.1 | 0.0 | S |
| 159.867 | 0.0000 | 0.0000 | 81.345 | 0.17368 | 0.00000 | 602892.1 | 458102.3 | 0.0 | S |
| 159.875 | 0.0000 | 0.0000 | 81.345 | 0.17367 | 0.00000 | 602892.1 | 458107.5 | 0.0 | S |
| 159.883 | 0.0000 | 0.0000 | 81.345 | 0.17366 | 0.00000 | 602892.1 | 458112.7 | 0.0 | S |
| 159.892 | 0.0000 | 0.0000 | 81.345 | 0.17365 | 0.00000 | 602892.1 | 458117.9 | 0.0 | S |
| 159.900 | 0.0000 | 0.0000 | 81.345 | 0.17364 | 0.00000 | 602892.1 | 458123.2 | 0.0 | S |
| 159.908 | 0.0000 | 0.0000 | 81.345 | 0.17363 | 0.00000 | 602892.1 | 458128.3 | 0.0 | S |
| 159.917 | 0.0000 | 0.0000 | 81.345 | 0.17362 | 0.00000 | 602892.1 | 458133.6 | 0.0 | S |
| 159.925 | 0.0000 | 0.0000 | 81.345 | 0.17361 | 0.00000 | 602892.1 | 458138.8 | 0.0 | S |
| 159.933 | 0.0000 | 0.0000 | 81.345 | 0. 17360 | 0.00000 | 602892.1 | 458144.0 | 0.0 | S |
| 159.942 | 0.0000 | 0.0000 | 81.344 | 0.17359 | 0.00000 | 602892.1 | 458149.2 | 0.0 | S |
| 159.950 | 0.0000 | 0.0000 | 81.344 | 0.17359 | 0.00000 | 602892.1 | 458154.4 | 0.0 | S |
| 159.958 | 0.0000 | 0.0000 | 81.344 | 0.17358 | 0.00000 | 602892.1 | 458159.6 | 0.0 | S |
| 159.967 | 0.0000 | 0.0000 | 81.344 | 0.17357 | 0.00000 | 602892.1 | 458164.8 | 0.0 | S |
| 159.975 | 0.0000 | 0.0000 | 81.344 | 0.17356 | 0.00000 | 602892.1 | 458170.0 | 0.0 | S |
| 159.983 | 0.0000 | 0.0000 | 81.344 | 0.17355 | 0.00000 | 602892.1 | 458175.2 | 0.0 | S |
| 159.992 | 0.0000 | 0.0000 | 81.344 | 0.17354 | 0.00000 | 602892.1 | 458180.4 | 0.0 | S |
| 160.000 | 0.0000 | 0.0000 | 81.344 | 0.17353 | 0.00000 | 602892.1 | 458185.6 | 0.0 | S |
| 160.008 | 0.0000 | 0.0000 | 81.344 | 0.17352 | 0.00000 | 602892.1 | 458190.8 | 0.0 | S |
| 160.017 | 0.0000 | 0.0000 | 81.344 | 0.17351 | 0.00000 | 602892.1 | 458196.1 | 0.0 | S |
| 160.025 | 0.0000 | 0.0000 | 81.343 | 0.17350 | 0.00000 | 602892.1 | 458201.3 | 0.0 | S |
| 160.033 | 0.0000 | 0.0000 | 81.343 | 0.17349 | 0.00000 | 602892.1 | 458206.5 | 0.0 | S |
| 160.042 | 0.0000 | 0.0000 | 81.343 | 0.17348 | 0.00000 | 602892.1 | 458211.7 | 0.0 | S |
| 160.050 | 0.0000 | 0.0000 | 81.343 | 0.17347 | 0.00000 | 602892.1 | 458216.9 | 0.0 | S |
| 160.058 | 0.0000 | 0.0000 | 81.343 | 0.17346 | 0.00000 | 602892.1 | 458222.1 | 0.0 | S |
| 160.067 | 0.0000 | 0.0000 | 81.343 | 0.17345 | 0.00000 | 602892.1 | 458227.3 | 0.0 | S |
| 160.075 | 0.0000 | 0.0000 | 81.343 | 0.17344 | 0.00000 | 602892.1 | 458232.5 | 0.0 | S |
| 160.083 | 0.0000 | 0.0000 | 81.343 | 0.17343 | 0.00000 | 602892.1 | 458237.7 | 0.0 | S |
| 160.092 | 0.0000 | 0.0000 | 81.343 | 0.17342 | 0.00000 | 602892.1 | 458242.9 | 0.0 | S |
| 160.100 | 0.0000 | 0.0000 | 81.343 | 0.17341 | 0.00000 | 602892.1 | 458248.1 | 0.0 | S |
| 160.108 | 0.0000 | 0.0000 | 81.342 | 0.17341 | 0.00000 | 602892.1 | 458253.3 | 0.0 | S |
| 160.117 | 0.0000 | 0.0000 | 81.342 | 0.17340 | 0.00000 | 602892.1 | 458258.5 | 0.0 | S |
| 160.125 | 0.0000 | 0.0000 | 81.342 | 0.17339 | 0.00000 | 602892.1 | 458263.7 | 0.0 | S |
| 160.133 | 0.0000 | 0.0000 | 81.342 | 0.17338 | 0.00000 | 602892.1 | 458268.9 | 0.0 | S |
| 160.142 | 0.0000 | 0.0000 | 81.342 | 0.17337 | 0.00000 | 602892.1 | 458274.1 | 0.0 | S |
| 160.150 | 0.0000 | 0.0000 | 81.342 | 0.17336 | 0.00000 | 602892.1 | 458279.3 | 0.0 | S |
| 160.158 | 0.0000 | 0.0000 | 81.342 | 0.17335 | 0.00000 | 602892.1 | 458284.5 | 0.0 | S |
| 160.167 | 0.0000 | 0.0000 | 81.342 | 0.17334 | 0.00000 | 602892.1 | 458289.7 | 0.0 | S |
| 160.175 | 0.0000 | 0.0000 | 81.342 | 0.17333 | 0.00000 | 602892.1 | 458294.9 | 0.0 | S |
| 160.183 | 0.0000 | 0.0000 | 81.342 | 0.17332 | 0.00000 | 602892.1 | 458300.1 | 0.0 | S |
| 160.192 | 0.0000 | 0.0000 | 81.342 | 0.17331 | 0.00000 | 602892.1 | 458305.3 | 0.0 | S |
| 160.200 | 0.0000 | 0.0000 | 81.341 | 0.17330 | 0.00000 | 602892.1 | 458310.5 | 0.0 | S |
| 160.208 | 0.0000 | 0.0000 | 81.341 | 0.17329 | 0.00000 | 602892.1 | 458315.7 | 0.0 | S |
| 160.217 | 0.0000 | 0.0000 | 81.341 | 0.17328 | 0.00000 | 602892.1 | 458320.9 | 0.0 | S |
| 160.225 | 0.0000 | 0.0000 | 81.341 | 0.17327 | 0.00000 | 602892.1 | 458326.1 | 0.0 | S |
| 160.233 | 0.0000 | 0.0000 | 81.341 | 0.17326 | 0.00000 | 602892.1 | 458331.3 | 0.0 | S |
| 160.242 | 0.0000 | 0.0000 | 81.341 | 0.17325 | 0.00000 | 602892.1 | 458336.5 | 0.0 | S |
| 160.250 | 0.0000 | 0.0000 | 81.341 | 0.17324 | 0.00000 | 602892.1 | 458341.7 | 0.0 | S |
| 160.258 | 0.0000 | 0.0000 | 81.341 | 0.17324 | 0.00000 | 602892.1 | 458346.9 | 0.0 | S |
| 160.267 | 0.0000 | 0.0000 | 81.341 | 0.17323 | 0.00000 | 602892.1 | 458352.1 | 0.0 | S |
| 160.275 | 0.0000 | 0.0000 | 81.341 | 0.17322 | 0.00000 | 602892.1 | 458357.3 | 0.0 | S |
| 160.283 | 0.0000 | 0.0000 | 81.340 | 0.17321 | 0.00000 | 602892.1 | 458362.5 | 0.0 | S |
| 160.292 | 0.0000 | 0.0000 | 81.340 | 0.17320 | 0.00000 | 602892.1 | 458367.7 | 0.0 | S |
| 160.300 | 0.0000 | 0.0000 | 81.340 | 0.17319 | 0.00000 | 602892.1 | 458372.9 | 0.0 | S |
| 160.308 | 0.0000 | 0.0000 | 81.340 | 0.17318 | 0.00000 | 602892.1 | 458378.1 | 0.0 | S |
| 160.317 | 0.0000 | 0.0000 | 81.340 | 0.17317 | 0.00000 | 602892.1 | 458383.3 | 0.0 | S |
| 160.325 | 0.0000 | 0.0000 | 81.340 | 0.17316 | 0.00000 | 602892.1 | 458388.4 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (t datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Infiltration Volume (fly | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 160.333 | 0.0000 | 0.0000 | 81.340 | 0.17315 | 0.00000 | 602892.1 | 458393.7 | 0.0 | S |
| 160.342 | 0.0000 | 0.0000 | 81.340 | 0.17314 | 0.00000 | 602892.1 | 458398.8 | 0.0 | S |
| 160.350 | 0.0000 | 0.0000 | 81.340 | 0.17313 | 0.00000 | 602892.1 | 458404.0 | 0.0 | S |
| 160.358 | 0.0000 | 0.0000 | 81.340 | 0.17312 | 0.00000 | 602892.1 | 458409.2 | 0.0 | S |
| 160.367 | 0.0000 | 0.0000 | 81.339 | 0.17311 | 0.00000 | 602892.1 | 458414.4 | 0.0 | S |
| 160.375 | 0.0000 | 0.0000 | 81.339 | 0.17310 | 0.00000 | 602892.1 | 458419.6 | 0.0 | S |
| 160.383 | 0.0000 | 0.0000 | 81.339 | 0.17309 | 0.00000 | 602892.1 | 458424.8 | 0.0 | S |
| 160.392 | 0.0000 | 0.0000 | 81.339 | 0.17308 | 0.00000 | 602892.1 | 458430.0 | 0.0 | S |
| 160.400 | 0.0000 | 0.0000 | 81.339 | 0.17308 | 0.00000 | 602892.1 | 458435.2 | 0.0 | S |
| 160.408 | 0.0000 | 0.0000 | 81.339 | 0.17307 | 0.00000 | 602892.1 | 458440.4 | 0.0 | S |
| 160.417 | 0.0000 | 0.0000 | 81.339 | 0.17306 | 0.00000 | 602892.1 | 458445.6 | 0.0 | S |
| 160.425 | 0.0000 | 0.0000 | 81.339 | 0.17305 | 0.00000 | 602892.1 | 458450.8 | 0.0 | S |
| 160.433 | 0.0000 | 0.0000 | 81.339 | 0.17304 | 0.00000 | 602892.1 | 458456.0 | 0.0 | S |
| 160.442 | 0.0000 | 0.0000 | 81.339 | 0.17303 | 0.00000 | 602892.1 | 458461.2 | 0.0 | S |
| 160.450 | 0.0000 | 0.0000 | 81.339 | 0.17302 | 0.00000 | 602892.1 | 458466.3 | 0.0 | S |
| 160.458 | 0.0000 | 0.0000 | 81.338 | 0.17301 | 0.00000 | 602892.1 | 458471.5 | 0.0 | S |
| 160.467 | 0.0000 | 0.0000 | 81.338 | 0.17300 | 0.00000 | 602892.1 | 458476.7 | 0.0 | S |
| 160.475 | 0.0000 | 0.0000 | 81.338 | 0.17299 | 0.00000 | 602892.1 | 458481.9 | 0.0 | S |
| 160.483 | 0.0000 | 0.0000 | 81.338 | 0.17298 | 0.00000 | 602892.1 | 458487.1 | 0.0 | S |
| 160.492 | 0.0000 | 0.0000 | 81.338 | 0.17297 | 0.00000 | 602892.1 | 458492.3 | 0.0 | S |
| \$60.500 | 0.0000 | 0.0000 | 81.338 | 0.17296 | 0.00000 | 602892.1 | 458497.5 | 0.0 | S |
| 160.508 | 0.0000 | 0.0000 | 81.338 | 0.17295 | 0.00000 | 602892.1 | 458502.7 | 0.0 | S |
| 160.517 | 0.0000 | 0.0000 | 81.338 | 0.17294 | 0.00000 | 602892.1 | 458507.8 | 0.0 | S |
| 160.525 | 0.0000 | 0.0000 | 81.338 | 0.17293 | 0.00000 | 602892.1 | 458513.0 | 0.0 | S |
| 160.533 | 0.0000 | 0.0000 | 81.338 | 0.17292 | 0.00000 | 602892.1 | 458518.2 | 0.0 | S |
| 160.542 | 0.0000 | 0.0000 | 81.337 | 0.17292 | 0.00000 | 602892.1 | 458523.4 | 0.0 | S |
| 160.550 | 0.0000 | 0.0000 | 81.337 | 0.17291 | 0.00000 | 602892.1 | 458528.6 | 0.0 | S |
| 160.558 | 0.0000 | 0.0000 | 81.337 | 0.17290 | 0.00000 | 602892.1 | 458533.8 | 0.0 | S |
| 160.567 | 0.0000 | 0.0000 | 81.337 | 0.17289 | 0.00000 | 602892.1 | 458539.0 | 0.0 | S |
| 160.575 | 0.0000 | 0.0000 | 81.337 | 0.17288 | 0.00000 | 602892.1 | 458544.2 | 0.0 | S |
| 160.583 | 0.0000 | 0.0000 | 81.337 | 0.17287 | 0.00000 | 602892.1 | 458549.3 | 0.0 | S |
| 160.592 | 0.0000 | 0.0000 | 81.337 | 0.17286 | 0.00000 | 602892.1 | 458554.5 | 0.0 | S |
| 160.600 | 0.0000 | 0.0000 | 81.337 | 0.17285 | 0.00000 | 602892.1 | 458559.7 | 0.0 | S |
| 160.608 | 0.0000 | 0.0000 | 81.337 | 0.17284 | 0.00000 | 602892.1 | 458564.9 | 0.0 | S |
| 160.617 | 0.0000 | 0.0000 | 81.337 | 0.17283 | 0.00000 | 602892.1 | 458570.1 | 0.0 | S |
| 160.625 | 0.0000 | 0.0000 | 81.336 | 0.17282 | 0.00000 | 602892.1 | 458575.3 | 0.0 | S |
| 160.633 | 0.0000 | 0.0000 | 81.336 | 0.17281 | 0.00000 | 602892.1 | 458580.5 | 0.0 | S |
| 160.642 | 0.0000 | 0.0000 | 81.336 | 0.17280 | 0.00000 | 602892.1 | 458585.7 | 0.0 | S |
| 160.650 | 0.0000 | 0.0000 | 81.336 | 0.17279 | 0.00000 | 602892.1 | 458590.8 | 0.0 | S |
| 160.658 | 0.0000 | 0.0000 | 81.336 | 0.17278 | 0.00000 | 602892.1 | 458596.0 | 0.0 | S |
| 160.667 | 0.0000 | 0.0000 | 81.336 | 0.17277 | 0.00000 | 602892.1 | 458601.2 | 0.0 | S |
| 160.675 | 0.0000 | 0.0000 | 81.336 | 0.17276 | 0.00000 | 602892.1 | 458606.4 | 0.0 | S |
| 160.683 | 0.0000 | 0.0000 | 81.336 | 0.17276 | 0.00000 | 602892.1 | 458611.6 | 0.0 | S |
| 160.692 | 0.0000 | 0.0000 | 81.336 | 0.17275 | 0.00000 | 602892.1 | 458616.8 | 0.0 | S |
| 160.700 | 0.0000 | 0.0000 | 81.336 | 0.17274 | 0.00000 | 602892.1 | 458621.9 | 0.0 | S |
| 160.708 | 0.0000 | 0.0000 | 81.335 | 0.17273 | 0.00000 | 602892.1 | 458627.1 | 0.0 | S |
| 160.717 | 0.0000 | 0.0000 | 81.335 | 0.17272 | 0.00000 | 602892.1 | 458632.3 | 0.0 | S |
| 160.725 | 0.0000 | 0.0000 | 81.335 | 0.17271 | 0.00000 | 602892.1 | 458637.5 | 0.0 | S |
| 160.733 | 0.0000 | 0.0000 | 81.335 | 0.17270 | 0.00000 | 602892.1 | 458642.7 | 0.0 | S |
| 160.742 | 0.0000 | 0.0000 | 81.335 | 0.17269 | 0.00000 | 602892.1 | 458647.8 | 0.0 | S |
| 160.750 | 0.0000 | 0.0000 | 81.335 | 0.17268 | 0.00000 | 602892.1 | 458653.0 | 0.0 | S |
| 160.758 | 0.0000 | 0.0000 | 81.335 | 0.17267 | 0.00000 | 602892.1 | 458658.2 | 0.0 | S |
| 160.767 | 0.0000 | 0.0000 | 81.335 | 0.17266 | 0.00000 | 602892.1 | 458663.4 | 0.0 | S |
| 160.775 | 0.0000 | 0.0000 | 8 8. 335 | 0.17265 | 0.00000 | 602892.1 | 458668.6 | 0.0 | S |
| 160.783 | 0.0000 | 0.0000 | 81.335 | 0.17264 | 0.00000 | 602892.1 | 458673.8 | 0.0 | S |
| 160.792 | 0.0000 | 0.0000 | 81.335 | 0.17263 | 0.00000 | 602892.1 | 458678.9 | 0.0 | S |
| 160.800 | 0.0000 | 0.0000 | 81.334 | 0.17262 | 0.00000 | 602892.1 | 458684.1 | 0.0 | S |
| 160.808 | 0.0000 | 0.0000 | 81.334 | 0.17261 | 0.00000 | 602892.1 | 458689.3 | 0.0 | S |
| 160.817 | 0.0000 | 0.0000 | 81.334 | 0.17261 | 0.00000 | 602892.1 | 458694.4 | 0.0 | S |
| 160.825 | 0.0000 | 0.0000 | 81.334 | 0.17260 | 0.00000 | 602892.1 | 458699.6 | 0.0 | S |
| 160.833 | 0.0000 | 0.0000 | 81.334 | 0.17259 | 0.00000 | 602892.1 | 458704.8 | 0.0 | S |
| 160.842 | 0.0000 | 0.0000 | 81.334 | 0.17258 | 0.00000 | 602892.1 | 458710.0 | 0.0 | S |
| 160.850 | 0.0000 | 0.0000 | 81.334 | 0.17257 | 0.00000 | 602892.1 | 458715.2 | 0.0 | S |
| 160.858 | 0.0000 | 0.0000 | 81.334 | 0.17256 | 0.00000 | 602892.1 | 458720.3 | 0.0 | S |
| 160.867 | 0.0000 | 0.0000 | 81.334 | 0.17255 | 0.00000 | 602892.1 | 458725.5 | 0.0 | S |
| 160.875 | 0.0000 | 0.0000 | 81.334 | 0.17254 | 0.00000 | 602892.1 | 458730.7 | 0.0 | S |
| 160.883 | 0.0000 | 0.0000 | 81.333 | 0.17253 | 0.00000 | 602892.1 | 458735.9 | 0.0 | S |
| 160.892 | 0.0000 | 0.0000 | 81.333 | 0.17252 | 0.00000 | 602892.1 | 458741.0 | 0.0 | S |
| 160.900 | 0.0000 | 0.0000 | 81.333 | 0.17251 | 0.00000 | 602892.1 | 458746.2 | 0.0 | S |
| 160.908 | 0.0000 | 0.0000 | 81.333 | 0.17250 | 0.00000 | 602892.1 | 458751.4 | 0.0 | S |
| 160.917 | 0.0000 | 0.0000 | 81.333 | 0.17249 | 0.00000 | 602892.1 | 458756.6 | 0.0 | S |
| 160.925 | 0.0000 | 0.0000 | 81.333 | 0.17248 | 0.00000 | 602892.1 | 458761.8 | 0.0 | S |
| 160.933 | 0.0000 | 0.0000 | 81.333 | 0.17247 | 0.00000 | 602892.1 | 458766.9 | 0.0 | S |
| 160.942 | 0.0000 | 0.0000 | 81.333 | 0.17246 | 0.00000 | 602892.1 | 458772.1 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f} 3 / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation ( f datum) | Infiltration Rate ( $\mathrm{H}^{3 / 5}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 160.950 | 0.0000 | 0.0000 | 81.333 | 0.17246 | 0.00000 | 602892.1 | 458777.3 | 0.0 | S |
| 160.958 | 0.0000 | 0.0000 | 81.333 | 0.17245 | 0.00000 | 602892.1 | 458782.4 | 0.0 | S |
| 160.967 | 0.0000 | 0.0000 | 81.332 | 0.17244 | 0.00000 | 602892.1 | 458787.6 | 0.0 | S |
| 160.975 | 0.0000 | 0.0000 | 81.332 | 0.17243 | 0.00000 | 602892.1 | 458792.8 | 0.0 | S |
| 160.983 | 0.0000 | 0.0000 | 81.332 | 0.17242 | 0.00000 | 602892.1 | 458798.0 | 0.0 | S |
| 160.992 | 0.0000 | 0.0000 | 81.332 | 0.17241 | 0.00000 | 602892.1 | 458803.1 | 0.0 | S |
| 161.000 | 0.0000 | 0.0000 | 81.332 | 0.17240 | 0.00000 | 602892.1 | 458808.3 | 0.0 | S |
| 161.008 | 0.0000 | 0.0000 | 81.332 | 0.17239 | 0.00000 | 602892.1 | 458813.5 | 0.0 | S |
| 161.017 | 0.0000 | 0.0000 | 81.332 | 0.17238 | 0.00000 | 602892.1 | 458818.7 | 0.0 | S |
| 161.025 | 0.0000 | 0.0000 | 81.332 | 0.17237 | 0.00000 | 602892.1 | 458823.8 | 0.0 | S |
| 161.033 | 0.0000 | 0.0000 | 81.332 | 0.17236 | 0.00000 | 602892.1 | 458829.0 | 0.0 | S |
| 161.042 | 0.0000 | 0.0000 | 81.332 | 0.17235 | 0.00000 | 602892.1 | 458834.2 | 0.0 | S |
| 161.050 | 0.0000 | 0.0000 | 81.332 | 0.17234 | 0.00000 | 602892.1 | 458839.3 | 0.0 | S |
| 161.058 | 0.0000 | 0.0000 | 81.331 | 0.17233 | 0.00000 | 602892.1 | 458844.5 | 0.0 | S |
| 161.067 | 0.0000 | 0.0000 | 81.331 | 0.17232 | 0.00000 | 602892.1 | 458849.7 | 0.0 | S |
| 161.075 | 0.0000 | 0.0000 | 81.331 | 0.17232 | 0.00000 | 602892.1 | 458854.8 | 0.0 | S |
| 161.083 | 0.0000 | 0.0000 | 81.331 | 0.17231 | 0.00000 | 602892.1 | 458860.0 | 0.0 | S |
| 161.092 | 0.0000 | 0.0000 | 81.331 | 0.17230 | 0.00000 | 602892.1 | 458865.2 | 0.0 | S |
| 161.100 | 0.0000 | 0.0000 | 81.331 | 0.17229 | 0.00000 | 602892.1 | 458870.3 | 0.0 | S |
| 161.108 | 0.0000 | 0.0000 | 81.331 | 0.17228 | 0.00000 | 602892.1 | 458875.5 | 0.0 | S |
| 161.117 | 0.0000 | 0.0000 | 81.331 | 0.17227 | 0.00000 | 602892.1 | 458880.7 | 0.0 | S |
| 161.125 | 0.0000 | 0.0000 | 81.331 | 0.17226 | 0.00000 | 602892.1 | 458885.8 | 0.0 | S |
| 161.133 | 0.0000 | 0.0000 | 81.331 | 0.17225 | 0.00000 | 602892.1 | 458891.0 | 0.0 | S |
| 161.142 | 0.0000 | 0.0000 | 81.330 | 0.17224 | 0.00000 | 602892.1 | 458896.2 | 0.0 | S |
| 161.150 | 0.0000 | 0.0000 | 81.330 | 0.17223 | 0.00000 | 602892.1 | 458901.3 | 0.0 | S |
| 161.158 | 0.0000 | 0.0000 | 81.330 | 0.17222 | 0.00000 | 602892.1 | 458906.5 | 0.0 | S |
| 161.167 | 0.0000 | 0.0000 | 81.330 | 0.17221 | 0.00000 | 602892.1 | 458911.7 | 0.0 | S |
| 181.175 | 0.0000 | 0.0000 | 81.330 | 0.17220 | 0.00000 | 602892.1 | 458916.8 | 0.0 | S |
| 161.183 | 0.0000 | 0.0000 | 81.330 | 0.17219 | 0.00000 | 602892.1 | 458922.0 | 0.0 | S |
| 161.192 | 0.0000 | 0.0000 | 81.330 | 0.17218 | 0.00000 | 602892.1 | 458927.2 | 0.0 | S |
| 161.200 | 0.0000 | 0.0000 | 81.330 | 0.17218 | 0.00000 | 602892.1 | 458932.3 | 0.0 | S |
| 161.208 | 0.0000 | 0.0000 | 81.330 | 0.17217 | 0.00000 | 602892.1 | 458937.5 | 0.0 | S |
| 161.217 | 0.0000 | 0.0000 | 81.330 | 0.17216 | 0.00000 | 602892.1 | 458942.7 | 0.0 | S |
| 161.225 | 0.0000 | 0.0000 | 81.329 | 0.17215 | 0.00000 | 602892.1 | 458947.8 | 0.0 | S |
| 161.233 | 0.0000 | 0.0000 | 81.329 | 0.17214 | 0.00000 | 602892.1 | 458953.0 | 0.0 | S |
| 161.242 | 0.0000 | 0.0000 | 81.329 | 0.17213 | 0.00000 | 602892.1 | 458958.2 | 0.0 | S |
| 161.250 | 0.0000 | 0.0000 | 81.329 | 0.17212 | 0.00000 | 602892.1 | 458963.3 | 0.0 | S |
| 161.258 | 0.0000 | 0.0000 | 81.329 | 0.17211 | 0.00000 | 602892.1 | 458968.5 | 0.0 | S |
| 161.267 | 0.0000 | 0.0000 | 81.329 | 0.97210 | 0.00000 | 602892.1 | 458973.7 | 0.0 | S |
| 161.275 | 0.0000 | 0.0000 | 81.329 | 0.17209 | 0.00000 | 602892.1 | 458978.8 | 0.0 | S |
| 161.283 | 0.0000 | 0.0000 | 81.329 | 0.17208 | 0.00000 | 602892.1 | 458984.0 | 0.0 | S |
| 161.292 | 0.0000 | 0.0000 | 81.329 | 0.17207 | 0.00000 | 602892.1 | 458989.2 | 0.0 | S |
| 161.300 | 0.0000 | 0.0000 | 81.329 | 0.17206 | 0.00000 | 602892.1 | 458994.3 | 0.0 | S |
| 161.308 | 0.0000 | 0.0000 | 81.329 | 0.17205 | 0.00000 | 602892.1 | 458999.5 | 0.0 | S |
| 161.317 | 0.0000 | 0.0000 | 81.328 | 0.17204 | 0.00000 | 602892.1 | 459004.6 | 0.0 | S |
| 161.325 | 0.0000 | 0.0000 | 81.328 | 0.17204 | 0.00000 | 602892.1 | 459009.8 | 0.0 | S |
| 161.333 | 0.0000 | 0.0000 | 81.328 | 0.17203 | 0.00000 | 602892.1 | 459015.0 | 0.0 | S |
| 161.342 | 0.0000 | 0.0000 | 81.328 | 0.17202 | 0.00000 | 602892.1 | 459020.1 | 0.0 | S |
| 161.350 | 0.0000 | 0.0000 | 81.328 | 0.17201 | 0.00000 | 602892.1 | 459025.3 | 0.0 | S |
| 164.358 | 0.0000 | 0.0000 | 81.328 | 0.17200 | 0.00000 | 602892.1 | 459030.4 | 0.0 | S |
| 161.367 | 0.0000 | 0.0000 | 81.328 | 0.17199 | 0.00000 | 602892.1 | 459035.6 | 0.0 | S |
| 161.375 | 0.0000 | 0.0000 | 81.328 | 0.17198 | 0.00000 | 602892.1 | 459040.8 | 0.0 | S |
| 161.383 | 0.0000 | 0.0000 | 81.328 | 0.17197 | 0.00000 | 602892.1 | 459045.9 | 0.0 | S |
| 161.392 | 0.0000 | 0.0000 | 81.328 | 0.17196 | 0.00000 | 602892.1 | 459051.1 | 0.0 | S |
| 161.400 | 0.0000 | 0.0000 | 81.327 | 0.17195 | 0.00000 | 602892.1 | 459056.2 | 0.0 | S |
| 161.408 | 0.0000 | 0.0000 | 81.327 | 0.17194 | 0.00000 | 602892.1 | 459061.4 | 0.0 | S |
| 161.417 | 0.0000 | 0.0000 | 81.327 | 0.17193 | 0.00000 | 602892.1 | 459066.6 | 0.0 | S |
| 161.425 | 0.0000 | 0.0000 | 81.327 | 0.17192 | 0.00000 | 602892.1 | 459071.7 | 0.0 | S |
| 161.433 | 0.0000 | 0.0000 | 81.327 | 0.17191 | 0.00000 | 602892.1 | 459076.9 | 0.0 | S |
| 161.442 | 0.0000 | 0.0000 | 81.327 | 0.17190 | 0.00000 | 602892.1 | 459082.0 | 0.0 | S |
| 161.450 | 0.0000 | 0.0000 | 81.327 | 0.17190 | 0.00000 | 602892.1 | 459087.2 | 0.0 | S |
| 131.458 | 0.0000 | 0.0000 | 81.327 | 0.17189 | 0.00000 | 602892.1 | 459092.3 | 0.0 | S |
| 161.467 | 0.0000 | 0.0000 | 81.327 | 0.17188 | 0.00000 | 602892.1 | 459097.5 | 0.0 | S |
| 161.475 | 0.0000 | 0.0000 | 81.327 | 0.17187 | 0.00000 | 602892.1 | 459102.7 | 0.0 | S |
| 161.483 | 0.0000 | 0.0000 | 81.326 | 0.17186 | 0.00000 | 602892.1 | 459107.8 | 0.0 | S |
| 161.492 | 0.0000 | 0.0000 | 81.326 | 0.17185 | 0.00000 | 602892.1 | 459113.0 | 0.0 | S |
| 161.500 | 0.0000 | 0.0000 | 81.326 | 0.17184 | 0.00000 | 602892.1 | 459118.1 | 0.0 | S |
| 161.508 | 0.0000 | 0.0000 | 81.326 | 0.17183 | 0.00000 | 602892.1 | 459123.3 | 0.0 | S |
| 161.517 | 0.0000 | 0.0000 | 81.326 | 0.17182 | 0.00000 | 602892.1 | 459128.4 | 0.0 | S |
| 161.525 | 0.0000 | 0.0000 | 81.326 | 0.17181 | 0.00000 | 602892.1 | 459133.6 | 0.0 | S |
| 161.533 | 0.0000 | 0.0000 | 81.326 | 0.17180 | 0.00000 | 602892.1 | 459138.8 | 0.0 | S |
| 161.542 | 0.0000 | 0.0000 | 81.326 | 0.17179 | 0.00000 | 602892.1 | 459143.9 | 0.0 | S |
| 161.550 | 0.0000 | 0.0000 | 81.326 | 0.17178 | 0.00000 | 602892.1 | 459149.0 | 0.0 | S |
| 161.558 | 0.0000 | 0.0000 | 81.326 | 0.17177 | 0.00000 | 602892.1 | 459154.2 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario $1::$ pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation ( ( datum) | infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Dischafge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ff}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 161.567 | 0.0000 | 0.0000 | 81.326 | 0.17177 | 0.00000 | 602892.1 | 459159.3 | 0.0 | S |
| 161.575 | 0.0000 | 0.0000 | 81.325 | 0.17176 | 0.00000 | 602892.1 | 459164.5 | 0.0 | S |
| 161.583 | 0.0000 | 0.0000 | 81.325 | 0.17175 | 0.00000 | 602892.1 | 459169.7 | 0.0 | S |
| 161.592 | 0.0000 | 0.0000 | 81.325 | 0.17174 | 0.00000 | 602892.1 | 459174.8 | 0.0 | S |
| 161.600 | 0.0000 | 0.0000 | 81.325 | 0.17173 | 0.00000 | 602892.1 | 459180.0 | 0.0 | S |
| 161.608 | 0.0000 | 0.0000 | 81.325 | 0.17172 | 0.00000 | 602892.1 | 459185.1 | 0.0 | S |
| 161.617 | 0.0000 | 0.0000 | 81.325 | 0.17171 | 0.00000 | 602892.1 | 459190.3 | 0.0 | S |
| 161.625 | 0.0000 | 0.0000 | 81.325 | 0.17170 | 0.00000 | 602892.1 | 459195.4 | 0.0 | S |
| 161.633 | 0.0000 | 0.0000 | 81.325 | 0.17169 | 0.00000 | 602892.1 | 459200.6 | 0.0 | S |
| 161.642 | 0.0000 | 0.0000 | 81.325 | 0.17168 | 0.00000 | 602892.1 | 459205.7 | 0.0 | S |
| 161.650 | 0.0000 | 0.0000 | 81.325 | 0.17167 | 0.00000 | 602892.1 | 459210.9 | 0.0 | S |
| 161.658 | 0.0000 | 0.0000 | 81.324 | 0.17166 | 0.00000 | 602892.1 | 459216.0 | 0.0 | S |
| 161.667 | 0.0000 | 0.0000 | 81.324 | 0.17165 | 0.00000 | 602892.1 | 459221.2 | 0.0 | S |
| 161.675 | 0.0000 | 0.0000 | 81.324 | 0.17164 | 0.00000 | 602892.1 | 459226.3 | 0.0 | S |
| 161.683 | 0.0000 | 0.0000 | 81.324 | 0.17164 | 0.00000 | 602892.1 | 459231.5 | 0.0 | S |
| 161.692 | 0.0000 | 0.0000 | 81.324 | 0.17163 | 0.00000 | 602892.1 | 459236.6 | 0.0 | S |
| 161.700 | 0.0000 | 0.0000 | 81.324 | 0.17162 | 0.00000 | 602892.1 | 459241.8 | 0.0 | S |
| 161.708 | 0.0000 | 0.0000 | 81.324 | 0.17161 | 0.00000 | 602892.1 | 459246.9 | 0.0 | S |
| 161.717 | 0.0000 | 0.0000 | 81.324 | 0.17160 | 0.00000 | 602892.1 | 459252.1 | 0.0 | S |
| 161.725 | 0.0000 | 0.0000 | 81.324 | 0.17159 | 0.00000 | 602892.1 | 459257.2 | 0.0 | S |
| 161.733 | 0.0000 | 0.0000 | 81.324 | 0.17158 | 0.00000 | 602892.1 | 459262.3 | 0.0 | S |
| 161.742 | 0.0000 | 0.0000 | 81.323 | 0.17157 | 0.00000 | 602892.1 | 459267.5 | 0.0 | S |
| 161.750 | 0.0000 | 0.0000 | 81.323 | 0.17156 | 0.00000 | 602892.1 | 459272.7 | 0.0 | S |
| 161.758 | 0.0000 | 0.0000 | 81.323 | 0.17155 | 0.00000 | 602892.1 | 459277.8 | 0.0 | S |
| 161.767 | 0.0000 | 0.0000 | 81.323 | 0.17154 | 0.00000 | 602892.1 | 459282.9 | 0.0 | S |
| 161.775 | 0.0000 | 0.0000 | 81.323 | 0.17153 | 0.00000 | 602892.1 | 459288.1 | 0.0 | S |
| 161.783 | 0.0000 | 0.0000 | 81.323 | 0.17152 | 0.00000 | 602892.1 | 459293.2 | 0.0 | S |
| 161.792 | 0.0000 | 0.0000 | 81.323 | 0.17151 | 0.00000 | 602892.1 | 459298.4 | 0.0 | S |
| 161.800 | 0.0000 | 0.0000 | 81.323 | 0.17151 | 0.00000 | 602892.1 | 459303.5 | 0.0 | S |
| 161.808 | 0.0000 | 0.0000 | 81.323 | 0.17150 | 0.00000 | 602892.1 | 459308.7 | 0.0 | S |
| 161.817 | 0.0000 | 0.0000 | 81.323 | 0.17149 | 0.00000 | 602892.1 | 459313.8 | 0.0 | S |
| 161.825 | 0.0000 | 0.0000 | 81.323 | 0.17148 | 0.00000 | 602892.1 | 459319.0 | 0.0 | S |
| 161.833 | 0.0000 | 0.0000 | 81.322 | 0.17147 | 0.00000 | 602892.1 | 459324.1 | 0.0 | S |
| 161.842 | 0.0000 | 0.0000 | 81.322 | 0.17146 | 0.00000 | 602892.1 | 459329.3 | 0.0 | S |
| 161.850 | 0.0000 | 0.0000 | 81.322 | 0.17145 | 0.00000 | 602892.1 | 459334.4 | 0.0 | S |
| 161.858 | 0.0000 | 0.0000 | 81.322 | 0.17144 | 0.00000 | 602892.1 | 459339.5 | 0.0 | S |
| 161.867 | 0.0000 | 0.0000 | 81.322 | 0.17143 | 0.00000 | 602892.1 | 459344.7 | 0.0 | S |
| 161.875 | 0.0000 | 0.0000 | 81.322 | 0.17142 | 0.00000 | 602892.1 | 459349.8 | 0.0 | S |
| 161.883 | 0.0000 | 0.0000 | 81.322 | 0.17141 | 0.00000 | 602892.1 | 459355.0 | 0.0 | S |
| 161.892 | 0.0000 | 0.0000 | 81.322 | 0.17140 | 0.00000 | 602892.1 | 459360.1 | 0.0 | S |
| 161.900 | 0.0000 | 0.0000 | 81.322 | 0.17139 | 0.00000 | 602892.1 | 459365.3 | 0.0 | S |
| 161.908 | 0.0000 | 0.0000 | 81.322 | 0.17139 | 0.00000 | 602892.1 | 459370.4 | 0.0 | S |
| 161.917 | 0.0000 | 0.0000 | 81.321 | 0.17138 | 0.00000 | 602892.1 | 459375.5 | 0.0 | S |
| 161.925 | 0.0000 | 0.0000 | 81.321 | 0.17137 | 0.00000 | 602892.1 | 459380.7 | 0.0 | S |
| 161.933 | 0.0000 | 0.0000 | 81.321 | 0.17136 | 0.00000 | 602892.1 | 459385.8 | 0.0 | S |
| 161.942 | 0.0000 | 0.0000 | 81.321 | 0.17135 | 0.00000 | 602892.1 | 459390.9 | 0.0 | S |
| 161.950 | 0.0000 | 0.0000 | 81.321 | 0.17134 | 0.00000 | 602892.1 | 459396.1 | 0.0 | S |
| 161.958 | 0.0000 | 0.0000 | 81.321 | 0.17133 | 0.00000 | 602892.1 | 459401.2 | 0.0 | S |
| 161.967 | 0.0000 | 0.0000 | 81.321 | 0.17132 | 0.00000 | 602892.1 | 459406.4 | 0.0 | S |
| 161.975 | 0.0000 | 0.0000 | 81.321 | 0.17131 | 0.00000 | 602892.1 | 459411.5 | 0.0 | S |
| 161.983 | 0.0000 | 0.0000 | 81.321 | 0.17130 | 0.00000 | 602892.1 | 459416.7 | 0.0 | S |
| 161.992 | 0.0000 | 0.0000 | 81.321 | 0.17129 | 0.00000 | 602892.1 | 459421.8 | 0.0 | S |
| 162.000 | 0.0000 | 0.0000 | 81.320 | 0.17128 | 0.00000 | 602892.1 | 459426.9 | 0.0 | S |
| 162.008 | 0.0000 | 0.0000 | 81.320 | 0.17127 | 0.00000 | 602892.1 | 459432.1 | 0.0 | S |
| 162.017 | 0.0000 | 0.0000 | 81.320 | 0.17126 | 0.00000 | 602892.1 | 459437.2 | 0.0 | S |
| 162.025 | 0.0000 | 0.0000 | 81.320 | 0.17126 | 0.00000 | 602892.1 | 459442.3 | 0.0 | S |
| 162.033 | 0.0000 | 0.0000 | 81.320 | 0.17125 | 0.00000 | 602892.1 | 459447.5 | 0.0 | S |
| 162.042 | 0.0000 | 0.0000 | 81.320 | 0.17124 | 0.00000 | 602892.1 | 459452.6 | 0.0 | S |
| 162.050 | 0.0000 | 0.0000 | 81.320 | 0.17123 | 0.00000 | 602892.1 | 459457.8 | 0.0 | S |
| 162.058 | 0.0000 | 0.0000 | 81.320 | 0.17122 | 0.00000 | 602892.1 | 459462.9 | 0.0 | S |
| 162.067 | 0.0000 | 0.0000 | 81.320 | 0.17121 | 0.00000 | 602892.1 | 459468.0 | 0.0 | S |
| 162.075 | 0.0000 | 0.0000 | 81.320 | 0.17120 | 0.00000 | 602892.1 | 459473.2 | 0.0 | S |
| 162.083 | 0.0000 | 0.0000 | 81.320 | 0.17119 | 0.00000 | 602892.1 | 459478.3 | 0.0 | S |
| 162.092 | 0.0000 | 0.0000 | 81.319 | 0.17118 | 0.00000 | 602892.1 | 459483.4 | 0.0 | S |
| 162.100 | 0.0000 | 0.0000 | 81.319 | 0.17117 | 0.00000 | 602892.1 | 459488.6 | 0.0 | S |
| 162.108 | 0.0000 | 0.0000 | 81.319 | 0.17116 | 0.00000 | 602892.1 | 459493.7 | 0.0 | S |
| 162.117 | 0.0000 | 0.0000 | 81.319 | 0.17115 | 0.00000 | 602892.1 | 459498.8 | 0.0 | S |
| 162.125 | 0.0000 | 0.0000 | 81.319 | 0.17114 | 0.00000 | 602892.1 | 459504.0 | 0.0 | S |
| \$62.133 | 0.0000 | 0.0000 | 81.319 | 0.17114 | 0.00000 | 602892.1 | 459509.1 | 0.0 | S |
| 162.142 | 0.0000 | 0.0000 | 81.319 | 0.17113 | 0.00000 | 602892.1 | 459514.3 | 0.0 | S |
| 162.150 | 0.0000 | 0.0000 | 81.319 | 0.17112 | 0.00000 | 602892.1 | 459519.4 | 0.0 | S |
| 162.158 | 0.0000 | 0.0000 | 81.319 | 0.17111 | 0.00000 | 602892.1 | 459524.5 | 0.0 | S |
| 162.167 | 0.0000 | 0.0000 | 81.319 | 0.17110 | 0.00000 | 602892.1 | 459529.7 | 0.0 | S |
| 162.175 | 0.0000 | 0.0000 | 81.318 | 0.17109 | 0.00000 | 602892.1 | 459534.8 | 0.0 | S |

# PONDS Version 3.2.0207 

Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Tíme (hours) | inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative <br> Discharge <br> Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 162.183 | 0.0000 | 0.0000 | 81.318 | 0.17108 | 0.00000 | 602892.1 | 459539.9 | 0.0 | S |
| 162.192 | 0.0000 | 0.0000 | 81.318 | 0.17107 | 0.00000 | 602892.1 | 459545.0 | 0.0 | S |
| 162.200 | 0.0000 | 0.0000 | 81.318 | 0.17106 | 0.00000 | 602892.1 | 459550.2 | 0.0 | S |
| 162.208 | 0.0000 | 0.0000 | 81.318 | 0.17105 | 0.00000 | 602892.1 | 459555.3 | 0.0 | S |
| 162.217 | 0.0000 | 0.0000 | 81.318 | 0.17104 | 0.00000 | 602892.1 | 459560.4 | 0.0 | S |
| 162.225 | 0.0000 | 0.0000 | 81.318 | 0.17103 | 0.00000 | 602892.1 | 459565.6 | 0.0 | S |
| 162.233 | 0.0000 | 0.0000 | 81.318 | 0.17102 | 0.00000 | 602892.1 | 459570.7 | 0.0 | S |
| 162.242 | 0.0000 | 0.0000 | 81.318 | 0.17102 | 0.00000 | 602892.1 | 459575.8 | 0.0 | S |
| 162.250 | 0.0000 | 0.0000 | 81.318 | 0.17101 | 0.00000 | 602892.1 | 459581.0 | 0.0 | S |
| 162.258 | 0.0000 | 0.0000 | 81.317 | 0.17100 | 0.00000 | 602892.1 | 459586.1 | 0.0 | S |
| 162.267 | 0.0000 | 0.0000 | 81.317 | 0.17099 | 0.00000 | 602892.1 | 459591.2 | 0.0 | S |
| 162.275 | 0.0000 | 0.0000 | 81.317 | 0.17098 | 0.00000 | 602892.1 | 459596.3 | 0.0 | S |
| 162.283 | 0.0000 | 0.0000 | 81.317 | 0.17097 | 0.00000 | 602892.1 | 459601.5 | 0.0 | S |
| 162.292 | 0.0000 | 0.0000 | 81.317 | 0.17096 | 0.00000 | 602892.1 | 459606.6 | 0.0 | S |
| 162.300 | 0.0000 | 0.0000 | 81.317 | 0.17095 | 0.00000 | 602892.1 | 459611.7 | 0.0 | S |
| 162.308 | 0.0000 | 0.0000 | 81.317 | 0.17094 | 0.00000 | 602892.1 | 459616.9 | 0.0 | S |
| 162.317 | 0.0000 | 0.0000 | 81.317 | 0.17093 | 0.00000 | 602892.1 | 459622.0 | 0.0 | S |
| 162.325 | 0.0000 | 0.0000 | 81.317 | 0.17092 | 0.00000 | 602892.1 | 459627.1 | 0.0 | S |
| 162.333 | 0.0000 | 0.0000 | 81.317 | 0.17091 | 0.00000 | 602892.1 | 459632.3 | 0.0 | S |
| 162.342 | 0.0000 | 0.0000 | 81.317 | 0.17090 | 0.00000 | 602892.1 | 459637.4 | 0.0 | S |
| 162.350 | 0.0000 | 0.0000 | 81.316 | 0.17090 | 0.00000 | 602892.1 | 459642.5 | 0.0 | S |
| 162.358 | 0.0000 | 0.0000 | 81.316 | 0.17089 | 0.00000 | 602892.1 | 459647.6 | 0.0 | S |
| 162.367 | 0.0000 | 0.0000 | 81.316 | 0.17088 | 0.00000 | 602892.1 | 459652.8 | 0.0 | S |
| 162.375 | 0.0000 | 0.0000 | 81.316 | 0.17087 | 0.00000 | 602892.1 | 459657.9 | 0.0 | S |
| 162.383 | 0.0000 | 0.0000 | 81.316 | 0.17086 | 0.00000 | 602892.1 | 459663.0 | 0.0 | S |
| 162.392 | 0.0000 | 0.0000 | 81.316 | 0.17085 | 0.00000 | 602892.1 | 459668.1 | 0.0 | S |
| 162.400 | 0.0000 | 0.0000 | 81.316 | 0.17084 | 0.00000 | 602892.1 | 459673.3 | 0.0 | S |
| 162.408 | 0.0000 | 0.0000 | 81.316 | 0.17083 | 0.00000 | 602892.1 | 459678.4 | 0.0 | S |
| 162.417 | 0.0000 | 0.0000 | 81.316 | 0.17082 | 0.00000 | 602892.1 | 459683.5 | 0.0 | S |
| 162.425 | 0.0000 | 0.0000 | 81.316 | 0.17081 | 0.00000 | 602892.1 | 459688.6 | 0.0 | S |
| 162.433 | 0.0000 | 0.0000 | 81.315 | 0.17080 | 0.00000 | 602892.1 | 459693.8 | 0.0 | S |
| 162.442 | 0.0000 | 0.0000 | 81.315 | 0.17079 | 0.00000 | 602892.1 | 459698.9 | 0.0 | S |
| 162.450 | 0.0000 | 0.0000 | 81.315 | 0.17079 | 0.00000 | 602892.1 | 459704.0 | 0.0 | S |
| 162.458 | 0.0000 | 0.0000 | 81.315 | 0.17078 | 0.00000 | 602892.1 | 459709.1 | 0.0 | S |
| 162.467 | 0.0000 | 0.0000 | 81.315 | 0.17077 | 0.00000 | 602892.1 | 459714.3 | 0.0 | S |
| 162.475 | 0.0000 | 0.0000 | 81.315 | 0.17076 | 0.00000 | 602892.1 | 459719.4 | 0.0 | S |
| 162.483 | 0.0000 | 0.0000 | 81.315 | 0.17075 | 0.00000 | 602892.1 | 459724.5 | 0.0 | S |
| 162.492 | 0.0000 | 0.0000 | 81.315 | 0.17074 | 0.00000 | 602892.1 | 459729.6 | 0.0 | S |
| 162.500 | 0.0000 | 0.0000 | 81.315 | 0.17073 | 0.00000 | 602892.1 | 459734.8 | 0.0 | S |
| 162.508 | 0.0000 | 0.0000 | 81.315 | 0.17072 | 0.00000 | 602892.1 | 459739.9 | 0.0 | S |
| 162.517 | 0.0000 | 0.0000 | 81.315 | 0.17071 | 0.00000 | 602892.1 | 459745.0 | 0.0 | S |
| 162.525 | 0.0000 | 0.0000 | 81.314 | 0.17070 | 0.00000 | 602892.1 | 459750.1 | 0.0 | S |
| 162.533 | 0.0000 | 0.0000 | 81.314 | 0.17069 | 0.00000 | 602892.1 | 459755.2 | 0.0 | S |
| 162.542 | 0.0000 | 0.0000 | 81.314 | 0.17068 | 0.00000 | 602892.1 | 459760.3 | 0.0 | S |
| 162.550 | 0.0000 | 0.0000 | 81.314 | 0.17068 | 0.00000 | 602892.1 | 459765.5 | 0.0 | S |
| 162.558 | 0.0000 | 0.0000 | 81.314 | 0.17067 | 0.00000 | 602892.1 | 459770.6 | 0.0 | S |
| 162.567 | 0.0000 | 0.0000 | 81.314 | 0.17066 | 0.00000 | 602892.1 | 459775.7 | 0.0 | S |
| 162.575 | 0.0000 | 0.0000 | 81.314 | 0.17065 | 0.00000 | 602892.1 | 459780.8 | 0.0 | S |
| 162.583 | 0.0000 | 0.0000 | 81.314 | 0.17064 | 0.00000 | 602892.1 | 459785.9 | 0.0 | S |
| 162.592 | 0.0000 | 0.0000 | 81.314 | 0.17063 | 0.00000 | 602892.1 | 459791.1 | 0.0 | S |
| 162.600 | 0.0000 | 0.0000 | 81.314 | 0.17062 | 0.00000 | 602892.1 | 459796.2 | 0.0 | S |
| 162.608 | 0.0000 | 0.0000 | 81.313 | 0.17061 | 0.00000 | 602892.1 | 459801.3 | 0.0 | S |
| 162.617 | 0.0000 | 0.0000 | 81.313 | 0.17060 | 0.00000 | 602892.1 | 459806.4 | 0.0 | S |
| \$62.625 | 0.0000 | 0.0000 | 81.313 | 0.17059 | 0.00000 | 602892.1 | 459811.5 | 0.0 | S |
| 162.633 | 0.0000 | 0.0000 | 81.313 | 0.17058 | 0.00000 | 602892.1 | 459816.7 | 0.0 | S |
| 162.642 | 0.0000 | 0.0000 | 81.313 | 0.17057 | 0.00000 | 602892.1 | 459821.8 | 0.0 | S |
| 162.650 | 0.0000 | 0.0000 | 81.313 | 0.17056 | 0.00000 | 602892.1 | 459826.9 | 0.0 | S |
| 162.658 | 0.0000 | 0.0000 | 81.313 | 0.17056 | 0.00000 | 602892.1 | 459832.0 | 0.0 | S |
| 162.667 | 0.0000 | 0.0000 | 81.313 | 0.17055 | 0.00000 | 602892.1 | 459837.1 | 0.0 | S |
| 162.675 | 0.0000 | 0.0000 | 81.313 | 0.17054 | 0.00000 | 602892.1 | 459842.3 | 0.0 | S |
| 162.683 | 0.0000 | 0.0000 | 81.313 | 0.17053 | 0.00000 | 602892.1 | 459847.3 | 0.0 | S |
| 162.692 | 0.0000 | 0.0000 | 81.312 | 0.17052 | 0.00000 | 602892.1 | 459852.5 | 0.0 | S |
| 162.700 | 0.0000 | 0.0000 | 81.312 | 0.17051 | 0.00000 | 602892.1 | 459857.6 | 0.0 | S |
| 162.708 | 0.0000 | 0.0000 | 81.312 | 0.17050 | 0.00000 | 602892.1 | 459862.7 | 0.0 | S |
| 162.717 | 0.0000 | 0.0000 | 81.312 | 0.17049 | 0.00000 | 602892.1 | 459867.8 | 0.0 | S |
| 162.725 | 0.0000 | 0.0000 | 81.312 | 0.17048 | 0.00000 | 602892.1 | 459872.9 | 0.0 | S |
| 162.733 | 0.0000 | 0.0000 | 81.312 | 0.17047 | 0.00000 | 602892.1 | 459878.0 | 0.0 | S |
| 162.742 | 0.0000 | 0.0000 | 81.312 | 0.17046 | 0.00000 | 602892.1 | 459883.2 | 0.0 | S |
| 162.750 | 0.0000 | 0.0000 | 81.312 | 0.17045 | 0.00000 | 602892.1 | 459888.3 | 0.0 | S |
| 162.758 | 0.0000 | 0.0000 | 81.312 | 0.17045 | 0.00000 | 602892.1 | 459893.4 | 0.0 | S |
| 162.767 | 0.0000 | 0.0000 | 81.312 | 0.17044 | 0.00000 | 602892.1 | 459898.5 | 0.0 | S |
| 162.775 | 0.0000 | 0.0000 | 81.312 | 0.17043 | 0.00000 | 602892.1 | 459903.6 | 0.0 | S |
| 162.783 | 0.0000 | 0.0000 | 81.311 | 0.17042 | 0.00000 | 602892.1 | 459908.7 | 0.0 | S |
| 162.792 | 0.0000 | 0.0000 | 81.311 | 0.17041 | 0.00000 | 602892.1 | 459913.8 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate (ft3/s) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 162.800 | 0.0000 | 0.0000 | 81.311 | 0.17040 | 0.00000 | 602892.1 | 459918.9 | 0.0 | S |
| 162.808 | 0.0000 | 0.0000 | 81.311 | 0.17039 | 0.00000 | 602892.1 | 459924.1 | 0.0 | S |
| 162.817 | 0.0000 | 0.0000 | 81.311 | 0.17038 | 0.00000 | 602892.1 | 459929.2 | 0.0 | S |
| 162.825 | 0.0000 | 0.0000 | 87.311 | 0.17037 | 0.00000 | 602892.1 | 459934.3 | 0.0 | S |
| 162.833 | 0.0000 | 0.0000 | 81.311 | 0.17036 | 0.00000 | 602892.1 | 459939.4 | 0.0 | S |
| 162.842 | 0.0000 | 0.0000 | 81.311 | 0.17035 | 0.00000 | 602892.1 | 459944.5 | 0.0 | S |
| 162.850 | 0.0000 | 0.0000 | 81.311 | 0.17034 | 0.00000 | 602892.1 | 459949.6 | 0.0 | S |
| 162.858 | 0.0000 | 0.0000 | 81.311 | 0.17034 | 0.00000 | 602892.1 | 459954.7 | 0.0 | S |
| 162.867 | 0.0000 | 0.0000 | 81.310 | 0.17033 | 0.00000 | 602892.1 | 459959.8 | 0.0 | S |
| 162.875 | 0.0000 | 0.0000 | 81.310 | 0.17032 | 0.00000 | 602892.1 | 459964.9 | 0.0 | S |
| 162.883 | 0.0000 | 0.0000 | 81.310 | 0.17031 | 0.00000 | 602892.1 | 459970.1 | 0.0 | S |
| 162.892 | 0.0000 | 0.0000 | 81.310 | 0.17030 | 0.00000 | 602892.1 | 459975.2 | 0.0 | S |
| 162.900 | 0.0000 | 0.0000 | 81.310 | 0.17029 | 0.00000 | 602892.1 | 459980.3 | 0.0 | S |
| 162.908 | 0.0000 | 0.0000 | 81.310 | 0.17028 | 0.00000 | 602892.1 | 459985.4 | 0.0 | S |
| 162.917 | 0.0000 | 0.0000 | 81.310 | 0.17027 | 0.00000 | 602892.1 | 459990.5 | 0.0 | S |
| 162.925 | 0.0000 | 0.0000 | 81.310 | 0.17026 | 0.00000 | 602892.1 | 459995.6 | 0.0 | S |
| 162.933 | 0.0000 | 0.0000 | 81.310 | 0.17025 | 0.00000 | 602892.1 | 460000.7 | 0.0 | S |
| 162.942 | 0.0000 | 0.0000 | 81.310 | 0.17024 | 0.00000 | 602892.1 | 460005.8 | 0.0 | S |
| 162.950 | 0.0000 | 0.0000 | 81.310 | 0.17024 | 0.00000 | 602892.1 | 460010.9 | 0.0 | S |
| 162.958 | 0.0000 | 0.0000 | 81.309 | 0.17023 | 0.00000 | 602892.1 | 460016.0 | 0.0 | S |
| 162.967 | 0.0000 | 0.0000 | 81.309 | 0.17022 | 0.00000 | 602892.1 | 460021.1 | 0.0 | S |
| 162.975 | 0.0000 | 0.0000 | 81.309 | 0.17021 | 0.00000 | 602892.1 | 460026.3 | 0.0 | S |
| 162.983 | 0.0000 | 0.0000 | 81.309 | 0.17020 | 0.00000 | 602892.1 | 460031.3 | 0.0 | S |
| 162.992 | 0.0000 | 0.0000 | 87.309 | 0.17019 | 0.00000 | 602892.1 | 460036.4 | 0.0 | S |
| 163.000 | 0.0000 | 0.0000 | 81.309 | 0.17018 | 0.00000 | 602892.1 | 460041.6 | 0.0 | S |
| 163.008 | 0.0000 | 0.0000 | 81.309 | 0.17017 | 0.00000 | 602892.1 | 460046.7 | 0.0 | S |
| 163.017 | 0.0000 | 0.0000 | 81.309 | 0.17016 | 0.00000 | 602892.1 | 460051.8 | 0.0 | S |
| 163.025 | 0.0000 | 0.0000 | 81.309 | 0.17015 | 0.00000 | 602892.1 | 460056.9 | 0.0 | S |
| 163.033 | 0.0000 | 0.0000 | 81.309 | 0.17014 | 0.00000 | 602892.1 | 460062.0 | 0.0 | S |
| 163.042 | 0.0000 | 0.0000 | 81.308 | 0.17013 | 0.00000 | 602892.1 | 460067.1 | 0.0 | S |
| 163.050 | 0.0000 | 0.0000 | 81.308 | 0.17013 | 0.00000 | 602892.1 | 460072.2 | 0.0 | S |
| 163.058 | 0.0000 | 0.0000 | 81.308 | 0.17012 | 0.00000 | 602892.1 | 460077.3 | 0.0 | S |
| 163.067 | 0.0000 | 0.0000 | 81.308 | 0.17011 | 0.00000 | 602892.1 | 460082.4 | 0.0 | S |
| 163.075 | 0.0000 | 0.0000 | 81.308 | 0.17010 | 0.00000 | 602892.1 | 460087.5 | 0.0 | S |
| 163.083 | 0.0000 | 0.0000 | 81.308 | 0.17009 | 0.00000 | 602892.1 | 460092.6 | 0.0 | S |
| 163.092 | 0.0000 | 0.0000 | 81.308 | 0.17008 | 0.00000 | 602892.1 | 460097.7 | 0.0 | S |
| 163.100 | 0.0000 | 0.0000 | 81.308 | 0.17007 | 0.00000 | 602892.1 | 460102.8 | 0.0 | S |
| 163.108 | 0.0000 | 0.0000 | 81.308 | 0.17006 | 0.00000 | 602892.1 | 460107.9 | 0.0 | S |
| 163.117 | 0.0000 | 0.0000 | 81.308 | 0.17005 | 0.00000 | 602892.1 | 460113.0 | 0.0 | S |
| 163.125 | 0.0000 | 0.0000 | 81.307 | 0.17004 | 0.00000 | 602892.1 | 460118.1 | 0.0 | S |
| 163.133 | 0.0000 | 0.0000 | 81.307 | 0.17003 | 0.00000 | 602892.1 | 460123.2 | 0.0 | S |
| 163.142 | 0.0000 | 0.0000 | 81.307 | 0.17002 | 0.00000 | 602892.1 | 460128.3 | 0.0 | S |
| 163.150 | 0.0000 | 0.0000 | 81.307 | 0.17002 | 0.00000 | 602892.1 | 460133.4 | 0.0 | S |
| 163.158 | 0.0000 | 0.0000 | 81.307 | 0.17001 | 0.00000 | 602892.1 | 460138.5 | 0.0 | S |
| 163.167 | 0.0000 | 0.0000 | 81.307 | 0.17000 | 0.00000 | 602892.1 | 460143.6 | 0.0 | S |
| 163.175 | 0.0000 | 0.0000 | 81.307 | 0.16999 | 0.00000 | 602892.1 | 460148.7 | 0.0 | S |
| 163.183 | 0.0000 | 0.0000 | 81.307 | 0.16998 | 0.00000 | 602892.1 | 460153.8 | 0.0 | S |
| 163.192 | 0.0000 | 0.0000 | 81.307 | 0.16997 | 0.00000 | 602892.1 | 460158.9 | 0.0 | S |
| 163.200 | 0.0000 | 0.0000 | 81.307 | 0.16996 | 0.00000 | 602892.1 | 460164.0 | 0.0 | S |
| 163.208 | 0.0000 | 0.0000 | 81.307 | 0.16995 | 0.00000 | 602892.1 | 460169.1 | 0.0 | S |
| 163.217 | 0.0000 | 0.0000 | 81.306 | 0.16994 | 0.00000 | 602892.1 | 460174.2 | 0.0 | S |
| 163.225 | 0.0000 | 0.0000 | 81.306 | 0.16993 | 0.00000 | 602892.1 | 460179.3 | 0.0 | S |
| 163.233 | 0.0000 | 0.0000 | 81.306 | 0.16992 | 0.00000 | 602892.1 | 460184.4 | 0.0 | S |
| 163.242 | 0.0000 | 0.0000 | 81.306 | 0.16992 | 0.00000 | 602892.1 | 460189.5 | 0.0 | S |
| 163.250 | 0.0000 | 0.0000 | 81.306 | 0.16991 | 0.00000 | 602892.1 | 460194.6 | 0.0 | S |
| 163.258 | 0.0000 | 0.0000 | 81.306 | 0.16990 | 0.00000 | 602892.1 | 460199.7 | 0.0 | S |
| 163.267 | 0.0000 | 0.0000 | 81.306 | 0.16989 | 0.00000 | 602892.1 | 460204.8 | 0.0 | S |
| 163.275 | 0.0000 | 0.0000 | 81.306 | 0.16988 | 0.00000 | 602892.1 | 460209.9 | 0.0 | S |
| 163.283 | 0.0000 | 0.0000 | 81.306 | 0.16987 | 0.00000 | 602892.1 | 460215.0 | 0.0 | S |
| 163.292 | 0.0000 | 0.0000 | 81.306 | 0.16986 | 0.00000 | 602892.1 | 460220.1 | 0.0 | S |
| 163.300 | 0.0000 | 0.0000 | 81.305 | 0.16985 | 0.00000 | 602892.1 | 460225.2 | 0.0 | S |
| 163.308 | 0.0000 | 0.0000 | 81.305 | 0.16984 | 0.00000 | 602892.1 | 460230.3 | 0.0 | S |
| 163.317 | 0.0000 | 0.0000 | 81.305 | 0.16983 | 0.00000 | 602892.1 | 460235.4 | 0.0 | S |
| \$63.325 | 0.0000 | 0.0000 | 81.305 | 0.16982 | 0.00000 | 602892.1 | 460240.5 | 0.0 | S |
| 163.333 | 0.0000 | 0.0000 | 81.305 | 0.16982 | 0.00000 | 602892.1 | 460245.6 | 0.0 | S |
| 163.342 | 0.0000 | 0.0000 | 81.305 | 0.16981 | 0.00000 | 602892.1 | 460250.7 | 0.0 | S |
| 163.350 | 0.0000 | 0.0000 | 81.305 | 0.16980 | 0.00000 | 602892.1 | 460255.8 | 0.0 | S |
| 163.358 | 0.0000 | 0.0000 | 81.305 | 0.16979 | 0.00000 | 602892.1 | 460260.8 | 0.0 | S |
| 163.367 | 0.0000 | 0.0000 | 81.305 | 0.16978 | 0.00000 | 602892.1 | 460265.9 | 0.0 | S |
| 163.375 | 0.0000 | 0.0000 | 81.305 | 0.16977 | 0.00000 | 602892.1 | 460271.0 | 0.0 | S |
| 163.383 | 0.0000 | 0.0000 | 81.305 | 0.16976 | 0.00000 | 602892.1 | 460276.1 | 0.0 | S |
| 163.392 | 0.0000 | 0.0000 | 81.304 | 0.16975 | 0.00000 | 602892.1 | 460281.2 | 0.0 | S |
| 163.400 | 0.0000 | 0.0000 | 81.304 | 0.16974 | 0.00000 | 602892.1 | 460286.3 | 0.0 | S |
| 163.408 | 0.0000 | 0.0000 | 81.304 | 0.16973 | 0.00000 | 602892.1 | 460291.4 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation ( ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overliow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( fli $^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 163.417 | 0.0000 | 0.0000 | 81.304 | 0.16972 | 0.00000 | 602892.1 | 460296.5 | 0.0 | S |
| 163.425 | 0.0000 | 0.0000 | 81.304 | 0.16972 | 0.00000 | 602892.1 | 460301.6 | 0.0 | S |
| 163.433 | 0.0000 | 0.0000 | 81.304 | 0.16971 | 0.00000 | 602892.1 | 460306.7 | 0.0 | S |
| 163.442 | 0.0000 | 0.0000 | 81.304 | 0.16970 | 0.00000 | 602892.1 | 460311.8 | 0.0 | S |
| 163.450 | 0.0000 | 0.0000 | 81.304 | 0.16969 | 0.00000 | 602892.1 | 460316.8 | 0.0 | S |
| 163.458 | 0.0000 | 0.0000 | 81.304 | 0.16968 | 0.00000 | 602892.1 | 460321.9 | 0.0 | S |
| 163.467 | 0.0000 | 0.0000 | 81.304 | 0.16967 | 0.00000 | 602892.1 | 460327.0 | 0.0 | S |
| 163.475 | 0.0000 | 0.0000 | 81.303 | 0.16966 | 0.00000 | 602892.1 | 460332.1 | 0.0 | S |
| 163.483 | 0.0000 | 0.0000 | 81.303 | 0.16965 | 0.00000 | 602892.1 | 460337.2 | 0.0 | S |
| 163.492 | 0.0000 | 0.0000 | 81.303 | 0.16964 | 0.00000 | 602892.1 | 460342.3 | 0.0 | S |
| 163.500 | 0.0000 | 0.0000 | 81.303 | 0.16963 | 0.00000 | 602892.1 | 460347.4 | 0.0 | S |
| 163.508 | 0.0000 | 0.0000 | 81.303 | 0.16962 | 0.00000 | 602892.1 | 460352.5 | 0.0 | S |
| 163.517 | 0.0000 | 0.0000 | 81.303 | 0.16962 | 0.00000 | 602892.1 | 460357.6 | 0.0 | S |
| 163.525 | 0.0000 | 0.0000 | 81.303 | 0.16961 | 0.00000 | 602892.1 | 460362.7 | 0.0 | S |
| 163.533 | 0.0000 | 0.0000 | 81.303 | 0.16960 | 0.00000 | 602892.1 | 460367.8 | 0.0 | S |
| 163.542 | 0.0000 | 0.0000 | 81.303 | 0.16959 | 0.00000 | 602892.1 | 460372.8 | 0.0 | S |
| 163.550 | 0.0000 | 0.0000 | 81.303 | 0.16958 | 0.00000 | 602892.1 | 460377.9 | 0.0 | S |
| 163.558 | 0.0000 | 0.0000 | 81.303 | 0.16957 | 0.00000 | 602892.1 | 460383.0 | 0.0 | S |
| 163.567 | 0.0000 | 0.0000 | 81.302 | 0.16956 | 0.00000 | 602892.1 | 460388.1 | 0.0 | S |
| 163.575 | 0.0000 | 0.0000 | 81.302 | 0.16955 | 0.00000 | 602892.1 | 460393.2 | 0.0 | S |
| 163.583 | 0.0000 | 0.0000 | 81.302 | 0.16954 | 0.00000 | 602892.1 | 460398.3 | 0.0 | S |
| 163.592 | 0.0000 | 0.0000 | 81.302 | 0.16953 | 0.00000 | 602892.1 | 460403.3 | 0.0 | S |
| 163.600 | 0.0000 | 0.0000 | 81.302 | 0.16952 | 0.00000 | 602892.1 | 460408.4 | 0.0 | S |
| 163.608 | 0.0000 | 0.0000 | 81.302 | 0.16952 | 0.00000 | 602892.1 | 460413.5 | 0.0 | S |
| 163.617 | 0.0000 | 0.0000 | 81.302 | 0.16951 | 0.00000 | 602892.1 | 460418.6 | 0.0 | S |
| 163.625 | 0.0000 | 0.0000 | 81.302 | 0.16950 | 0.00000 | 602892.1 | 460423.7 | 0.0 | S |
| 163.633 | 0.0000 | 0.0000 | 81.302 | 0.16949 | 0.00000 | 602892.1 | 460428.8 | 0.0 | S |
| 163.642 | 0.0000 | 0.0000 | 81.302 | 0.16948 | 0.00000 | 602892.1 | 460433.9 | 0.0 | S |
| 163.650 | 0.0000 | 0.0000 | 81.301 | 0.16947 | 0.00000 | 602892.1 | 460438.9 | 0.0 | S |
| 163.658 | 0.0000 | 0.0000 | 81.301 | 0.16946 | 0.00000 | 602892.1 | 460444.0 | 0.0 | S |
| 163.667 | 0.0000 | 0.0000 | 81.301 | 0.16945 | 0.00000 | 602892.1 | 460449.1 | 0.0 | S |
| 163.675 | 0.0000 | 0.0000 | 81.301 | 0.16944 | 0.00000 | 602892.1 | 460454.2 | 0.0 | S |
| 163.683 | 0.0000 | 0.0000 | 81.301 | 0.16943 | 0.00000 | 602892.1 | 460459.3 | 0.0 | S |
| 163.692 | 0.0000 | 0.0000 | 81.301 | 0.16942 | 0.00000 | 602892.1 | 460464.4 | 0.0 | S |
| 163.700 | 0.0000 | 0.0000 | 81.301 | 0.16942 | 0.00000 | 602892.1 | 460469.4 | 0.0 | S |
| 163.708 | 0.0000 | 0.0000 | 81.301 | 0.16941 | 0.00000 | 602892.1 | 460474.5 | 0.0 | S |
| 163.717 | 0.0000 | 0.0000 | 81.301 | 0.16940 | 0.00000 | 602892.1 | 460479.6 | 0.0 | S |
| 163.725 | 0.0000 | 0.0000 | 81.301 | 0.16939 | 0.00000 | 602892.1 | 460484.7 | 0.0 | S |
| 163.733 | 0.0000 | 0.0000 | 81.300 | 0.16938 | 0.00000 | 602892.1 | 460489.8 | 0.0 | S |
| 163.742 | 0.0000 | 0.0000 | 81.300 | 0.16937 | 0.00000 | 602892.1 | 460494.8 | 0.0 | S |
| 163.750 | 0.0000 | 0.0000 | 81.300 | 0.16936 | 0.00000 | 602892.1 | 460499.9 | 0.0 | S |
| 163.758 | 0.0000 | 0.0000 | 81.300 | 0.16935 | 0.00000 | 602892.1 | 460505.0 | 0.0 | S |
| 163.767 | 0.0000 | 0.0000 | 81.300 | 0.16934 | 0.00000 | 602892.1 | 460510.1 | 0.0 | S |
| 163.775 | 0.0000 | 0.0000 | 81.300 | 0.16933 | 0.00000 | 602892.1 | 460515.2 | 0.0 | S |
| 163.783 | 0.0000 | 0.0000 | 81.300 | 0.16932 | 0.00000 | 602892.1 | 460520.3 | 0.0 | S |
| 163.792 | 0.0000 | 0.0000 | 81.300 | 0.16932 | 0.00000 | 602892.1 | 460525.3 | 0.0 | S |
| 163.800 | 0.0000 | 0.0000 | 81.300 | 0.16931 | 0.00000 | 602892.1 | 460530.4 | 0.0 | S |
| 163.808 | 0.0000 | 0.0000 | 81.300 | 0.16930 | 0.00000 | 602892.1 | 460535.5 | 0.0 | S |
| 163.817 | 0.0000 | 0.0000 | 81.300 | 0.16929 | 0.00000 | 602892.1 | 460540.6 | 0.0 | S |
| 163.825 | 0.0000 | 0.0000 | 81.299 | 0.16928 | 0.00000 | 602892.1 | 460545.7 | 0.0 | S |
| 163.833 | 0.0000 | 0.0000 | 81.299 | 0.16927 | 0.00000 | 602892.1 | 460550.7 | 0.0 | S |
| 163.842 | 0.0000 | 0.0000 | 81.299 | 0.16926 | 0.00000 | 602892.1 | 460555.8 | 0.0 | S |
| 163.850 | 0.0000 | 0.0000 | 81.299 | 0.16925 | 0.00000 | 602892.1 | 460560.9 | 0.0 | S |
| 163.858 | 0.0000 | 0.0000 | 81.299 | 0.16924 | 0.00000 | 602892.1 | 460566.0 | 0.0 | S |
| 163.867 | 0.0000 | 0.0000 | 81.299 | 0.16923 | 0.00000 | 602892.1 | 460571.0 | 0.0 | S |
| 163.875 | 0.0000 | 0.0000 | 81.299 | 0.16923 | 0.00000 | 602892.1 | 460576.1 | 0.0 | S |
| 163.883 | 0.0000 | 0.0000 | 81.299 | 0.16922 | 0.00000 | 602892.1 | 460581.2 | 0.0 | S |
| 163.892 | 0.0000 | 0.0000 | 81.299 | 0.16921 | 0.00000 | 602892.1 | 460586.3 | 0.0 | S |
| 163.900 | 0.0000 | 0.0000 | 81.299 | 0.16920 | 0.00000 | 602892.1 | 460591.3 | 0.0 | S |
| 163.908 | 0.0000 | 0.0000 | 81.298 | 0.16919 | 0.00000 | 602892.1 | 460596.4 | 0.0 | S |
| 163.917 | 0.0000 | 0.0000 | 81.298 | 0.16918 | 0.00000 | 602892.1 | 460601.5 | 0.0 | S |
| 163.925 | 0.0000 | 0.0000 | 81.298 | 0.16917 | 0.00000 | 602892.1 | 460606.6 | 0.0 | S |
| 163.933 | 0.0000 | 0.0000 | 81.298 | 0.16916 | 0.00000 | 602892.1 | 460611.7 | 0.0 | S |
| 163.942 | 0.0000 | 0.0000 | 81.298 | 0.16915 | 0.00000 | 602892.1 | 460616.7 | 0.0 | S |
| 163.950 | 0.0000 | 0.0000 | 81.298 | 0.16914 | 0.00000 | 602892.1 | 460621.8 | 0.0 | S |
| 163.958 | 0.0000 | 0.0000 | 81.298 | 0.16913 | 0.00000 | 602892.1 | 460626.9 | 0.0 | S |
| 163.967 | 0.0000 | 0.0000 | 81.298 | 0.16913 | 0.00000 | 602892.1 | 460631.9 | 0.0 | S |
| 163.975 | 0.0000 | 0.0000 | 81.298 | 0.16912 | 0.00000 | 602892.1 | 460637.0 | 0.0 | S |
| 163.983 | 0.0000 | 0.0000 | 81.298 | 0.16911 | 0.00000 | 602892.1 | 460642.1 | 0.0 | S |
| 163.992 | 0.0000 | 0.0000 | 81.298 | 0.16910 | 0.00000 | 602892.1 | 460647.2 | 0.0 | S |
| 164.000 | 0.0000 | 0.0000 | 81.297 | 0.16909 | 0.00000 | 602892.1 | 460652.3 | 0.0 | S |
| 164.008 | 0.0000 | 0.0000 | 81.297 | 0.16908 | 0.00000 | 602892.1 | 460657.3 | 0.0 | S |
| 164.017 | 0.0000 | 0.0000 | 81.297 | 0.16907 | 0.00000 | 602892.1 | 460662.4 | 0.0 | S |
| 164.025 | 0.0000 | 0.0000 | 81.297 | 0.16906 | 0.00000 | 602892.1 | 460667.5 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year/24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Enflow <br> Rate <br> ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (fUday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / 3}$ ) | Overfiow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 164.033 | 0.0000 | 0.0000 | 81.297 | 0.16905 | 0.00000 | 602892.1 | 460672.5 | 0.0 | S |
| 164.042 | 0.0000 | 0.0000 | 81.297 | 0.16904 | 0.00000 | 602892.1 | 460677.6 | 0.0 | S |
| 164.050 | 0.0000 | 0.0000 | 81.297 | 0.16904 | 0.00000 | 602892.1 | 460682.7 | 0.0 | S |
| 164.058 | 0.0000 | 0.0000 | 81.297 | 0.16903 | 0.00000 | 602892.1 | 460687.8 | 0.0 | S |
| 164.067 | 0.0000 | 0.0000 | 81.297 | 0.16902 | 0.00000 | 602892.1 | 460692.8 | 0.0 | S |
| 164.075 | 0.0000 | 0.0000 | 81.297 | 0.16901 | 0.00000 | 602892.1 | 460697.9 | 0.0 | S |
| 164.083 | 0.0000 | 0.0000 | 81.296 | 0.16900 | 0.00000 | 602892.1 | 460702.9 | 0.0 | S |
| 164.092 | 0.0000 | 0.0000 | 81.296 | 0.16899 | 0.00000 | 602892.1 | 460708.0 | 0.0 | S |
| 164.100 | 0.0000 | 0.0000 | 81.296 | 0.16898 | 0.00000 | 602892.1 | 460713.1 | 0.0 | S |
| 164.108 | 0.0000 | 0.0000 | 81.296 | 0.16897 | 0.00000 | 602892.1 | 460718.2 | 0.0 | S |
| 164.117 | 0.0000 | 0.0000 | 81.296 | 0.16896 | 0.00000 | 602892.1 | 460723.2 | 0.0 | S |
| 164.125 | 0.0000 | 0.0000 | 81.296 | 0.16895 | 0.00000 | 602892.1 | 460728.3 | 0.0 | S |
| 164.133 | 0.0000 | 0.0000 | 81.296 | 0.16895 | 0.00000 | 602892.1 | 460733.4 | 0.0 | S |
| 164.142 | 0.0000 | 0.0000 | 81.296 | 0.16894 | 0.00000 | 602892.1 | 460738.4 | 0.0 | S |
| 164.150 | 0.0000 | 0.0000 | 81.296 | 0.16893 | 0.00000 | 602892.1 | 460743.5 | 0.0 | S |
| 164.158 | 0.0000 | 0.0000 | 81.296 | 0.16892 | 0.00000 | 602892.1 | 460748.6 | 0.0 | S |
| 164.167 | 0.0000 | 0.0000 | 81.296 | 0.16891 | 0.00000 | 602892.1 | 460753.6 | 0.0 | S |
| 164.175 | 0.0000 | 0.0000 | 81.295 | 0.16890 | 0.00000 | 602892.1 | 460758.7 | 0.0 | S |
| 164.183 | 0.0000 | 0.0000 | 81.295 | 0.16889 | 0.00000 | 602892.1 | 460763.8 | 0.0 | S |
| 164.192 | 0.0000 | 0.0000 | 81.295 | 0.16888 | 0.00000 | 602892.1 | 460768.8 | 0.0 | S |
| 164.200 | 0.0000 | 0.0000 | 81.295 | 0.16887 | 0.00000 | 602892.1 | 460773.9 | 0.0 | S |
| 164.208 | 0.0000 | 0.0000 | 81.295 | 0.16886 | 0.00000 | 602892.1 | 460779.0 | 0.0 | S |
| 164.217 | 0.0000 | 0.0000 | 81.295 | 0.16886 | 0.00000 | 602892.1 | 460784.0 | 0.0 | S |
| 164.225 | 0.0000 | 0.0000 | 81.295 | 0.16885 | 0.00000 | 602892.1 | 460789.1 | 0.0 | S |
| 164.233 | 0.0000 | 0.0000 | 81.295 | 0.16884 | 0.00000 | 602892.4 | 460794.2 | 0.0 | S |
| 164.242 | 0.0000 | 0.0000 | 81.295 | 0.16883 | 0.00000 | 602892.1 | 460799.2 | 0.0 | S |
| 164.250 | 0.0000 | 0.0000 | 81.295 | 0.16882 | 0.00000 | 602892.1 | 460804.3 | 0.0 | S |
| 164.258 | 0.0000 | 0.0000 | 81.294 | 0.16881 | 0.00000 | 602892.1 | 460809.4 | 0.0 | S |
| 164.267 | 0.0000 | 0.0000 | 81.294 | 0.16880 | 0.00000 | 602892.1 | 460814.4 | 0.0 | S |
| 164.275 | 0.0000 | 0.0000 | 81.294 | 0.16879 | 0.00000 | 602892.1 | 460819.5 | 0.0 | S |
| 164.283 | 0.0000 | 0.0000 | 81.294 | 0.16878 | 0.00000 | 602892.1 | 460824.6 | 0.0 | S |
| 164.292 | 0.0000 | 0.0000 | 81.294 | 0.16877 | 0.00000 | 602892.1 | 460829.6 | 0.0 | S |
| 164.300 | 0.0000 | 0.0000 | 81.294 | 0.16877 | 0.00000 | 602892.1 | 460834.7 | 0.0 | S |
| 164.308 | 0.0000 | 0.0000 | 81.294 | 0.16876 | 0.00000 | 602892.1 | 460839.8 | 0.0 | S |
| 164.317 | 0.0000 | 0.0000 | 81.294 | 0.16875 | 0.00000 | 602892.1 | 460844.8 | 0.0 | S |
| 164.325 | 0.0000 | 0.0000 | 81.294 | 0.16874 | 0.00000 | 602892.1 | 460849.9 | 0.0 | S |
| 164.333 | 0.0000 | 0.0000 | 81.294 | 0.16873 | 0.00000 | 602892.1 | 460854.9 | 0.0 | S |
| 164.342 | 0.0000 | 0.0000 | 81.294 | 0.16872 | 0.00000 | 602892.1 | 460860.0 | 0.0 | S |
| 164.350 | 0.0000 | 0.0000 | 81.293 | 0.16871 | 0.00000 | 602892.1 | 460865.1 | 0.0 | S |
| 164.358 | 0.0000 | 0.0000 | 81.293 | 0.16870 | 0.00000 | 602892.1 | 460870.1 | 0.0 | S |
| 164.367 | 0.0000 | 0.0000 | 81.293 | 0.16869 | 0.00000 | 602892.1 | 460875.2 | 0.0 | S |
| 164.375 | 0.0000 | 0.0000 | 81.293 | 0.16868 | 0.00000 | 602892.1 | 460880.3 | 0.0 | S |
| 164.383 | 0.0000 | 0.0000 | 81.293 | 0.16868 | 0.00000 | 602892.1 | 460885.3 | 0.0 | S |
| 164.392 | 0.0000 | 0.0000 | 81.293 | 0.16867 | 0.00000 | 602892.1 | 460890.3 | 0.0 | S |
| 164.400 | 0.0000 | 0.0000 | 81.293 | 0.16866 | 0.00000 | 602892.1 | 460895.4 | 0.0 | S |
| 164.408 | 0.0000 | 0.0000 | 81.293 | 0.16865 | 0.00000 | 602892.1 | 460900.5 | 0.0 | S |
| 164.417 | 0.0000 | 0.0000 | 81.293 | 0.16864 | 0.00000 | 602892.1 | 460905.5 | 0.0 | S |
| 164.425 | 0.0000 | 0.0000 | 81.293 | 0.16863 | 0.00000 | 602892.1 | 450910.6 | 0.0 | S |
| 164.433 | 0.0000 | 0.0000 | 81.292 | 0.16862 | 0.00000 | 602892.1 | 460915.7 | 0.0 | S |
| 164.442 | 0.0000 | 0.0000 | 81.292 | 0.16861 | 0.00000 | 602892.1 | 460920.7 | 0.0 | S |
| 164.450 | 0.0000 | 0.0000 | 81.292 | 0.16860 | 0.00000 | 602892.1 | 460925.8 | 0.0 | S |
| 164.458 | 0.0000 | 0.0000 | 81.292 | 0.16859 | 0.00000 | 602892.1 | 460930.8 | 0.0 | S |
| 164.467 | 0.0000 | 0.0000 | 81.292 | 0.16859 | 0.00000 | 602892.1 | 460935.9 | 0.0 | S |
| 164.475 | 0.0000 | 0.0000 | 81.292 | 0.16858 | 0.00000 | 602892.1 | 460940.9 | 0.0 | S |
| 164.483 | 0.0000 | 0.0000 | 81.292 | 0.16857 | 0.00000 | 602892.1 | 460946.0 | 0.0 | S |
| 164.492 | 0.0000 | 0.0000 | 81.292 | 0.16856 | 0.00000 | 602892.1 | 460951.1 | 0.0 | S |
| 164.500 | 0.0000 | 0.0000 | 81.292 | 0.16855 | 0.00000 | 602892.1 | 460956.1 | 0.0 | S |
| 164.508 | 0.0000 | 0.0000 | 81.292 | 0.16854 | 0.00000 | 602892.1 | 460961.2 | 0.0 | S |
| 164.517 | 0.0000 | 0.0000 | 81.292 | 0.16853 | 0.00000 | 602892.1 | 460966.2 | 0.0 | S |
| 164.525 | 0.0000 | 0.0000 | 81.291 | 0.16852 | 0.00000 | 602892.1 | 460971.3 | 0.0 | S |
| 164.533 | 0.0000 | 0.0000 | 81.291 | 0.16851 | 0.00000 | 602892.1 | 460976.3 | 0.0 | S |
| 164.542 | 0.0000 | 0.0000 | 81.291 | 0.16850 | 0.00000 | 602892.1 | 460981.4 | 0.0 | S |
| 164.550 | 0.0000 | 0.0000 | 81.291 | 0.16850 | 0.00000 | 602892.1 | 460986.4 | 0.0 | S |
| 164.558 | 0.0000 | 0.0000 | 81.291 | 0.16849 | 0.00000 | 602892.1 | 460991.5 | 0.0 | S |
| 164.567 | 0.0000 | 0.0000 | 81.291 | 0.16848 | 0.00000 | 602892.1 | 460986.6 | 0.0 | S |
| 164.575 | 0.0000 | 0.0000 | 81.291 | 0.16847 | 0.00000 | 602892.1 | 461001.6 | 0.0 | S |
| 164.583 | 0.0000 | 0.0000 | 81.291 | 0.16846 | 0.00000 | 602892.1 | 461006.7 | 0.0 | S |
| 164.592 | 0.0000 | 0.0000 | 81.291 | 0.16845 | 0.00000 | 602892.1 | 461011.7 | 0.0 | S |
| 164.600 | 0.0000 | 0.0000 | 81.297 | 0.16844 | 0.00000 | 602892.1 | 461016.8 | 0.0 | S |
| 164.608 | 0.0000 | 0.0000 | 81.290 | 0.76843 | 0.00000 | 602892.1 | 461021.8 | 0.0 | S |
| 164.617 | 0.0000 | 0.0000 | 81.290 | 0.16842 | 0.00000 | 602892.1 | 461026.9 | 0.0 | S |
| 164.625 | 0.0000 | 0.0000 | 81.290 | 0.16841 | 0.00000 | 602892.1 | 461031.9 | 0.0 | S |
| 164.633 | 0.0000 | 0.0000 | 81.290 | 0.16841 | 0.00000 | 602892.1 | 461037.0 | 0.0 | S |
| 164.642 | 0.0000 | 0.0000 | 81.290 | 0.16840 | 0.00000 | 602892.1 | 461042.0 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate (f $\mathrm{f}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (t datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overliow <br> Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumufative fnflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 164.650 | 0.0000 | 0.0000 | 81.290 | 0.16839 | 0.00000 | 602892.1 | 461047.1 | 0.0 | S |
| 164.658 | 0.0000 | 0.0000 | 81.290 | 0.16838 | 0.00000 | 602892.1 | 461052.1 | 0.0 | S |
| 164.667 | 0.0000 | 0.0000 | 81.290 | 0.16837 | 0.00000 | 602892.1 | 461057.2 | 0.0 | S |
| 164.675 | 0.0000 | 0.0000 | 81.290 | 0.16836 | 0.00000 | 602892.1 | 461062.3 | 0.0 | S |
| 164.683 | 0.0000 | 0.0000 | 81.290 | 0.16835 | 0.00000 | 602892.1 | 461067.3 | 0.0 | S |
| 164.692 | 0.0000 | 0.0000 | 81.290 | 0.16834 | 0.00000 | 602892.1 | 461072.3 | 0.0 | S |
| 164.700 | 0.0000 | 0.0000 | 81.289 | 0.16833 | 0.00000 | 602892.1 | 461077.4 | 0.0 | S |
| 164.708 | 0.0000 | 0.0000 | 81.289 | 0.16832 | 0.00000 | 602892.1 | 461082.4 | 0.0 | S |
| 164.717 | 0.0000 | 0.0000 | 81.289 | 0.16832 | 0.00000 | 602892.1 | 461087.5 | 0.0 | S |
| 164.725 | 0.0000 | 0.0000 | 81.289 | 0.16831 | 0.00000 | 602892.1 | 461092.5 | 0.0 | S |
| 164.733 | 0.0000 | 0.0000 | 81.289 | 0.16830 | 0.00000 | 602892.1 | 461097.6 | 0.0 | S |
| 164.742 | 0.0000 | 0.0000 | 81.289 | 0.16829 | 0.00000 | 602892.1 | 461102.6 | 0.0 | S |
| 164.750 | 0.0000 | 0.0000 | 81.289 | 0.16828 | 0.00000 | 602892.1 | 461107.7 | 0.0 | S |
| 164.758 | 0.0000 | 0.0000 | 81.289 | 0.16827 | 0.00000 | 602892.1 | 461112.8 | 0.0 | S |
| 164.767 | 0.0000 | 0.0000 | 81.289 | 0.16826 | 0.00000 | 602892.1 | 461117.8 | 0.0 | S |
| 164.775 | 0.0000 | 0.0000 | 81.289 | 0.16825 | 0.00000 | 602892.1 | 461122.8 | 0.0 | S |
| 164.783 | 0.0000 | 0.0000 | 81.288 | 0.16824 | 0.00000 | 602892.1 | 461127.9 | 0.0 | S |
| 164.792 | 0.0000 | 0.0000 | 81.288 | 0.16824 | 0.00000 | 602892.1 | 461132.9 | 0.0 | S |
| 164.800 | 0.0000 | 0.0000 | 81.288 | 0.16823 | 0.00000 | 602892. $\ddagger$ | 461138.0 | 0.0 | S |
| 164.808 | 0.0000 | 0.0000 | 81.288 | 0.16822 | 0.00000 | 602892.1 | 461143.0 | 0.0 | S |
| 164.817 | 0.0000 | 0.0000 | 81.288 | 0.16821 | 0.00000 | 602892.1 | 461148.1 | 0.0 | S |
| 164.825 | 0.0000 | 0.0000 | 81.288 | 0.16820 | 0.00000 | 602892.1 | 461153.1 | 0.0 | S |
| 164.833 | 0.0000 | 0.0000 | 81.288 | 0.16819 | 0.00000 | 602892.1 | 461158.2 | 0.0 | S |
| 164.842 | 0.0000 | 0.0000 | 81.288 | 0.16818 | 0.00000 | 602892.1 | 461163.2 | 0.0 | S |
| 164.850 | 0.0000 | 0.0000 | 81.288 | 0.16817 | 0.00000 | 602892.1 | 461168.3 | 0.0 | S |
| 164.858 | 0.0000 | 0.0000 | 81.288 | 0.16816 | 0.00000 | 602892.1 | 461173.3 | 0.0 | S |
| 164.867 | 0.0000 | 0.0000 | 81.288 | 0.16815 | 0.00000 | 602892.1 | 461178.3 | 0.0 | S |
| 164.875 | 0.0000 | 0.0000 | 81.287 | 0.16815 | 0.00000 | 602892.1 | 461183.4 | 0.0 | S |
| 164.883 | 0.0000 | 0.0000 | 81.287 | 0.16814 | 0.00000 | 602892.1 | 461188.4 | 0.0 | S |
| 164.892 | 0.0000 | 0.0000 | 81.287 | 0.16813 | 0.00000 | 602892.1 | 461193.5 | 0.0 | S |
| 164.900 | 0.0000 | 0.0000 | 81.287 | 0.16812 | 0.00000 | 602892.1 | 461198.5 | 0.0 | S |
| 164.908 | 0.0000 | 0.0000 | 81.287 | 0.16811 | 0.00000 | 602892.1 | 461203.6 | 0.0 | S |
| 164.917 | 0.0000 | 0.0000 | 81.287 | 0.16810 | 0.00000 | 602892.1 | 461208.6 | 0.0 | S |
| 164.925 | 0.0000 | 0.0000 | 81.287 | 0.16809 | 0.00000 | 602892.1 | 461213.7 | 0.0 | S |
| 164.933 | 0.0000 | 0.0000 | 81.287 | 0.16808 | 0.00000 | 602892.1 | 461218.7 | 0.0 | S |
| 164.942 | 0.0000 | 0.0000 | 81.287 | 0.16807 | 0.00000 | 602892.1 | 461223.7 | 0.0 | S |
| 164.950 | 0.0000 | 0.0000 | 81.287 | 0.16807 | 0.00000 | 602892.1 | 461228.8 | 0.0 | S |
| 164.958 | 0.0000 | 0.0000 | 81.286 | 0.16806 | 0.00000 | 602892.1 | 461233.8 | 0.0 | S |
| 164.967 | 0.0000 | 0.0000 | 81.286 | 0.16805 | 0.00000 | 602892.1 | 461238.8 | 0.0 | S |
| 164.975 | 0.0000 | 0.0000 | 81.286 | 0.16804 | 0.00000 | 602892.1 | 461243.9 | 0.0 | S |
| 164.983 | 0.0000 | 0.0000 | 81.286 | 0.16803 | 0.00000 | 602892.1 | 461248.9 | 0.0 | S |
| 164.992 | 0.0000 | 0.0000 | 81.286 | 0.16802 | 0.00000 | 602892.1 | 461254.0 | 0.0 | S |
| 165.000 | 0.0000 | 0.0000 | 81.286 | 0.16801 | 0.00000 | 602892.1 | 461259.0 | 0.0 | S |
| 165.008 | 0.0000 | 0.0000 | 81.286 | 0.16800 | 0.00000 | 602892.1 | 461264.1 | 0.0 | S |
| 165.017 | 0.0000 | 0.0000 | 81.286 | 0.16799 | 0.00000 | 602892.7 | 461269.1 | 0.0 | 5 |
| 165.025 | 0.0000 | 0.0000 | 81.286 | 0.16798 | 0.00000 | 602892.1 | 461274.1 | 0.0 | S |
| 165.033 | 0.0000 | 0.0000 | 81.286 | 0.16798 | 0.00000 | 602892.1 | 461279.2 | 0.0 | S |
| 165.042 | 0.0000 | 0.0000 | 81.286 | 0.16797 | 0.00000 | 602892.1 | 461284.2 | 0.0 | S |
| 165.050 | 0.0000 | 0.0000 | 81.285 | 0.16796 | 0.00000 | 602892.1 | 461289.3 | 0.0 | S |
| 165.058 | 0.0000 | 0.0000 | 81.285 | 0.16795 | 0.00000 | 602892.1 | 461294.3 | 0.0 | S |
| 165.067 | 0.0000 | 0.0000 | 81.285 | 0.16794 | 0.00000 | 602892.1 | 461299.3 | 0.0 | S |
| 165.075 | 0.0000 | 0.0000 | 81.285 | 0.16793 | 0.00000 | 602892.1 | 461304.4 | 0.0 | S |
| 165.083 | 0.0000 | 0.0000 | 81.285 | 0.16792 | 0.00000 | 602892.1 | 461309.4 | 0.0 | S |
| 165.092 | 0,0000 | 0.0000 | 81.285 | 0.16791 | 0.00000 | 602892.1 | 461314.4 | 0.0 | S |
| 165.100 | 0.0000 | 0.0000 | 81.285 | 0.16790 | 0.00000 | 602892.1 | 461319.5 | 0.0 | S |
| 165.108 | 0.0000 | 0.0000 | 81.285 | 0.16790 | 0.00000 | 602892.1 | 461324.5 | 0.0 | S |
| 165.117 | 0.0000 | 0.0000 | 81.285 | 0.16789 | 0.00000 | 602892.1 | 461329.6 | 0.0 | S |
| 165.125 | 0.0000 | 0.0000 | 81.285 | 0.16788 | 0.00000 | 602892.1 | 461334.6 | 0.0 | S |
| 165.133 | 0.0000 | 0.0000 | 81.284 | 0.16787 | 0.00000 | 602892.1 | 461339.6 | 0.0 | S |
| 165.142 | 0.0000 | 0.0000 | 81.284 | 0.16786 | 0.00000 | 602892.1 | 461344.7 | 0.0 | S |
| 165.150 | 0.0000 | 0.0000 | 81.284 | 0.16785 | 0.00000 | 602892.1 | 461349.7 | 0.0 | S |
| 165.158 | 0.0000 | 0.0000 | 81.284 | 0.16784 | 0.00000 | 602892.1 | 461354.8 | 0.0 | S |
| 165.167 | 0.0000 | 0.0000 | 81.284 | 0.16783 | 0.00000 | 602892.1 | 461359.8 | 0.0 | S |
| 165.175 | 0.0000 | 0.0000 | 81.284 | 0.16782 | 0.00000 | 602892.1 | 461364.8 | 0.0 | S |
| 165.183 | 0.0000 | 0.0000 | 81.284 | 0.16782 | 0.00000 | 602892.1 | 461369.8 | 0.0 | S |
| 165.192 | 0.0000 | 0.0000 | 81.284 | 0.16781 | 0.00000 | 602892.1 | 461374.9 | 0.0 | S |
| 165.200 | 0.0000 | 0.0000 | 81.284 | 0.16780 | 0.00000 | 602892.1 | 461379.9 | 0.0 | S |
| 165.208 | 0.0000 | 0.0000 | 81.284 | 0.16779 | 0.00000 | 602892.1 | 461384.9 | 0.0 | S |
| 165.217 | 0.0000 | 0.0000 | 81.284 | 0.16778 | 0.00000 | 602892.1 | 461390.0 | 0.0 | S |
| 165.225 | 0.0000 | 0.0000 | 81.283 | 0.16777 | 0.00000 | 602892.1 | 461395.0 | 0.0 | S |
| 165.233 | 0.0000 | 0.0000 | 81.283 | 0.16776 | 0.00000 | 602892.1 | 461400.0 | 0.0 | S |
| 165.242 | 0.0000 | 0.0000 | 81.283 | 0.16775 | 0.00000 | 602892.1 | 461405.1 | 0.0 | S |
| 165.250 | 0.0000 | 0.0000 | 81.283 | 0.16774 | 0.00000 | 602892.1 | 461410.1 | 0.0 | S |
| 165.258 | 0.0000 | 0.0000 | 81.283 | 0.16774 | 0.00000 | 602892.1 | 461415.1 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond


PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario $1::$ pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 /} / \mathrm{s}$ ) | Overflow Discharge $\left(\mathrm{ft}^{3} / \mathrm{s}\right)$ | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( ft ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 165.883 | 0.0000 | 0.0000 | 81.276 | 0.16707 | 0.00000 | 602892.1 | 461791.8 | 0.0 | S |
| 165.892 | 0.0000 | 0.0000 | 81.276 | 0.16706 | 0.00000 | 602892.1 | 461796.8 | 0.0 | S |
| 165.900 | 0.0000 | 0.0000 | 81.276 | 0.16705 | 0.00000 | 602892.1 | 461801.8 | 0.0 | S |
| 165.908 | 0.0000 | 0.0000 | 81.276 | 0.16704 | 0.00000 | 602892.1 | 461806.8 | 0.0 | S |
| 165.917 | 0.0000 | 0.0000 | 81.276 | 0.16703 | 0.00000 | 602892.1 | 461811.8 | 0.0 | S |
| 165.925 | 0.0000 | 0.0000 | 81.275 | 0.16703 | 0.00000 | 602892.1 | 461816.8 | 0.0 | S |
| 165.933 | 0.0000 | 0.0000 | 81.275 | 0.16702 | 0.00000 | 602892.1 | 461821.9 | 0.0 | S |
| 165.942 | 0.0000 | 0.0000 | 81.275 | 0.16701 | 0.00000 | 602892.1 | 461826.9 | 0.0 | S |
| 165.950 | 0.0000 | 0.0000 | 81.275 | 0.16700 | 0.00000 | 602892.1 | 461831.9 | 0.0 | S |
| 165.958 | 0.0000 | 0.0000 | 81.275 | 0.16699 | 0.00000 | 602892.1 | 461836.9 | 0.0 | S |
| 165.967 | 0.0000 | 0.0000 | 81.275 | 0.16698 | 0.00000 | 602892.1 | 461841.9 | 0.0 | S |
| 165.975 | 0.0000 | 0.0000 | 81.275 | 0.16697 | 0.00000 | 602892.1 | 461846.9 | 0.0 | S |
| 165.983 | 0.0000 | 0.0000 | 81.275 | 0.16696 | 0.00000 | 602892.1 | 461851.9 | 0.0 | S |
| 165.992 | 0.0000 | 0.0000 | 81.275 | 0.16695 | 0.00000 | 602892.1 | 461856.9 | 0.0 | S |
| 166.000 | 0.0000 | 0.0000 | 81.275 | 0.16695 | 0.00000 | 602892.1 | 461861.9 | 0.0 | S |
| 166.008 | 0.0000 | 0.0000 | 81.275 | 0.16694 | 0.00000 | 602892.1 | 461866.9 | 0.0 | S |
| 166.017 | 0.0000 | 0.0000 | 81.274 | 0.16693 | 0.00000 | 602892.1 | 461872.0 | 0.0 | S |
| 166.025 | 0.0000 | 0.0000 | 81.274 | 0.16692 | 0.00000 | 602892.1 | 461877.0 | 0.0 | S |
| 166.033 | 0.0000 | 0.0000 | 81.274 | 0.16691 | 0.00000 | 602892.1 | 461882.0 | 0.0 | S |
| 166.042 | 0.0000 | 0.0000 | 81.274 | 0.16690 | 0.00000 | 602892.1 | 461887.0 | 0.0 | S |
| 166.050 | 0.0000 | 0.0000 | 81.274 | 0.16689 | 0.00000 | 602892.1 | 461892.0 | 0.0 | S |
| 166.058 | 0.0000 | 0.0000 | 81.274 | 0.16688 | 0.00000 | 602892.1 | 461897.0 | 0.0 | S |
| 166.067 | 0.0000 | 0.0000 | 81.274 | 0.16688 | 0.00000 | 602892.1 | 461902.0 | 0.0 | S |
| 166.075 | 0.0000 | 0.0000 | 81.274 | 0.16687 | 0.00000 | 602892.1 | 461907.0 | 0.0 | S |
| 166.083 | 0.0000 | 0.0000 | 81.274 | 0.16686 | 0.00000 | 602892.1 | 461912.0 | 0.0 | S |
| 166.092 | 0.0000 | 0.0000 | 81.274 | 0.16685 | 0.00000 | 602892.1 | 461917.0 | 0.0 | S |
| 166.100 | 0.0000 | 0.0000 | 81.273 | 0.16684 | 0.00000 | 602892.1 | 461922.0 | 0.0 | S |
| 166.108 | 0.0000 | 0.0000 | 81.273 | 0.16683 | 0.00000 | 602892.1 | 461927.0 | 0.0 | S |
| 166.117 | 0.0000 | 0.0000 | 81.273 | 0.16682 | 0.00000 | 602892.1 | 461932.0 | 0.0 | S |
| 166.125 | 0.0000 | 0.0000 | 81.273 | 0.16681 | 0.00000 | 602892.1 | 461937.0 | 0.0 | S |
| 166.133 | 0.0000 | 0.0000 | 81.273 | 0.16680 | 0.00000 | 602892.1 | 461942.0 | 0.0 | S |
| 166.142 | 0.0000 | 0.0000 | 81.273 | 0.16680 | 0.00000 | 602892.1 | 461947.0 | 0.0 | S |
| 166.150 | 0.0000 | 0.0000 | 81.273 | 0.16679 | 0.00000 | 602892.1 | 461952.0 | 0.0 | S |
| 166.158 | 0.0000 | 0.0000 | 81.273 | 0.16678 | 0.00000 | 602892.1 | 461957.1 | 0.0 | S |
| 166.167 | 0.0000 | 0.0000 | 81.273 | 0.16677 | 0.00000 | 602892.1 | 461962.1 | 0.0 | S |
| 166.175 | 0.0000 | 0.0000 | 81.273 | 0.16676 | 0.00000 | 602892.1 | 461967.1 | 0.0 | S |
| 166.183 | 0.0000 | 0.0000 | 81.273 | 0.16675 | 0.00000 | 602892.1 | 461972.1 | 0.0 | S |
| 166.192 | 0.0000 | 0.0000 | 81.272 | 0.16674 | 0.00000 | 602892.1 | 461977.1 | 0.0 | S |
| 166.200 | 0.0000 | 0.0000 | 81.272 | 0.16673 | 0.00000 | 602892.1 | 461982.1 | 0.0 | S |
| 166.208 | 0.0000 | 0.0000 | 81.272 | 0.16673 | 0.00000 | 602892.1 | 461987.1 | 0.0 | S |
| 166.217 | 0.0000 | 0.0000 | 81.272 | 0.16672 | 0.00000 | 602892.1 | 461992.1 | 0.0 | S |
| 166.225 | 0.0000 | 0.0000 | 81.272 | 0.16671 | 0.00000 | 602892.1 | $46 \ddagger 997.1$ | 0.0 | S |
| 166.233 | 0.0000 | 0.0000 | 81.272 | 0.16670 | 0.00000 | 602892.1 | 462002.1 | 0.0 | S |
| 166.242 | 0.0000 | 0.0000 | 81.272 | 0.16669 | 0.00000 | 602892.1 | 462007.1 | 0.0 | S |
| 166.250 | 0.0000 | 0.0000 | 81.272 | 0.16868 | 0.00000 | 602892.1 | 462012.1 | 0.0 | S |
| 166.258 | 0.0000 | 0.0000 | 81.272 | 0.16667 | 0.00000 | 602892.1 | 462017.1 | 0.0 | S |
| 166.267 | 0.0000 | 0.0000 | 81.272 | 0.16866 | 0.00000 | 602892.1 | 462022.1 | 0.0 | S |
| 166.275 | 0.0000 | 0.0000 | 81.272 | 0.16665 | 0.00000 | 602892.1 | 462027.1 | 0.0 | S |
| 166.283 | 0.0000 | 0.0000 | 81.271 | 0.16665 | 0.00000 | 602892.1 | 462032.1 | 0.0 | S |
| 166.292 | 0.0000 | 0.0000 | 81.271 | 0.16664 | 0.00000 | 602892.1 | 462037.1 | 0.0 | S |
| 166.300 | 0.0000 | 0.0000 | 81.271 | 0.16663 | 0.00000 | 602892.1 | 462042.1 | 0.0 | S |
| 166.308 | 0.0000 | 0.0000 | 81.271 | 0.16662 | 0.00000 | 602892.1 | 462047.1 | 0.0 | S |
| 166.317 | 0.0000 | 0.0000 | 81.271 | 0.16661 | 0.00000 | 602892.1 | 462052.1 | 0.0 | S |
| 166.325 | 0.0000 | 0.0000 | 81.271 | 0.16660 | 0.00000 | 602892.3 | 462057.1 | 0.0 | S |
| 166.333 | 0.0000 | 0.0000 | 81.271 | 0.16659 | 0.00000 | 602892.1 | 462062.1 | 0.0 | S |
| 166.342 | 0.0000 | 0.0000 | 81.271 | 0.16658 | 0.00000 | 602892.1 | 462067.1 | 0.0 | S |
| 166.350 | 0.0000 | 0.0000 | 81.271 | 0.16658 | 0.00000 | 602892.1 | 462072.1 | 0.0 | S |
| 166.358 | 0.0000 | 0.0000 | 81.271 | 0.16657 | 0.00000 | 602892.1 | 462077.1 | 0.0 | S |
| 166.367 | 0.0000 | 0.0000 | 81.270 | 0.16656 | 0.00000 | 602892.1 | 462082.1 | 0.0 | S |
| 166.375 | 0.0000 | 0.0000 | 81.270 | 0.16655 | 0.00000 | 602892.1 | 462087.1 | 0.0 | S |
| 166.383 | 0.0000 | 0.0000 | 81.270 | 0.16654 | 0.00000 | 602892.1 | 462092.0 | 0.0 | S |
| 166.392 | 0.0000 | 0.0000 | 81.270 | 0.16653 | 0.00000 | 602892.1 | 462097.0 | 0.0 | S |
| 166.400 | 0.0000 | 0.0000 | 81.270 | 0.16652 | 0.00000 | 602892.1 | 462102.0 | 0.0 | S |
| 166.408 | 0.0000 | 0.0000 | 81.270 | 0.16651 | 0.00000 | 602892.1 | 462107.0 | 0.0 | S |
| 166.417 | 0.0000 | 0.0000 | 81.270 | 0.16651 | 0.00000 | 602892.1 | 462112.0 | 0.0 | S |
| 166.425 | 0.0000 | 0.0000 | 81.270 | 0.16650 | 0.00000 | 602892.1 | 462117.0 | 0.0 | S |
| 166.433 | 0.0000 | 0.0000 | 81.270 | 0.16649 | 0.00000 | 602892.1 | 462122.0 | 0.0 | S |
| 166.442 | 0.0000 | 0.0000 | 81.270 | 0.16648 | 0.00000 | 602892.1 | 462127.0 | 0.0 | S |
| 166.450 | 0.0000 | 0.0000 | 81.270 | 0.16647 | 0.00000 | 602892.1 | 462132.0 | 0.0 | S |
| 166.458 | 0.0000 | 0.0000 | 81.269 | 0.16646 | 0.00000 | 602892.1 | 462137.0 | 0.0 | S |
| 166.467 | 0.0000 | 0.0000 | 81.269 | 0.16645 | 0.00000 | 602892.1 | 462142.0 | 0.0 | S |
| 166.475 | 0.0000 | 0.0000 | 81.269 | 0.16644 | 0.00000 | 602892.1 | 462147.0 | 0.0 | S |
| 166.483 | 0.0000 | 0.0000 | 81.269 | 0.16644 | 0.00000 | 602892.1 | 462152.0 | 0.0 | S |
| 166.492 | 0.0000 | 0.0000 | 81.269 | 0.16643 | 0.00000 | 602892.1 | 462157.0 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont, d.)
:: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (fV/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{H}^{3 / \mathrm{s}}$ ) | Overfiow Discharge ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ff}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ff}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 166.500 | 0.0000 | 0.0000 | 81.269 | 0.16642 | 0.00000 | 602892.1 | 462162.0 | 0.0 | S |
| 166.508 | 0.0000 | 0.0000 | 81.269 | 0.16641 | 0.00000 | 602892.1 | 462167.0 | 0.0 | S |
| 166.517 | 0.0000 | 0.0000 | 81.269 | 0.16640 | 0.00000 | 602892.1 | 462171.9 | 0.0 | S |
| 166.525 | 0.0000 | 0.0000 | 81.269 | 0.16639 | 0.00000 | 602892.1 | 462176.9 | 0.0 | S |
| 166.533 | 0.0000 | 0.0000 | 81.269 | 0.16638 | 0.00000 | 602892.1 | 462181.9 | 0.0 | S |
| 166.542 | 0.0000 | 0.0000 | 81.268 | 0.16637 | 0.00000 | 602892.1 | 462186.9 | 0.0 | S |
| 166.550 | 0.0000 | 0.0000 | 81.268 | 0.16636 | 0.00000 | 602892.1 | 462191.9 | 0.0 | S |
| 166.558 | 0.0000 | 0.0000 | 81.268 | 0.16636 | 0.00000 | 602892.1 | 462196.9 | 0.0 | S |
| 166.567 | 0.0000 | 0.0000 | 81.268 | 0.16635 | 0.00000 | 602892.1 | 462201.9 | 0.0 | S |
| 166.575 | 0.0000 | 0.0000 | 81.268 | 0.16634 | 0.00000 | 602892.1 | 462206.9 | 0.0 | S |
| 166.583 | 0.0000 | 0.0000 | 81.268 | 0.16633 | 0.00000 | 602892.1 | 462211.9 | 0.0 | S |
| 166.592 | 0.0000 | 0.0000 | 81.268 | 0.16632 | 0.00000 | 602892.1 | 462216.9 | 0.0 | S |
| 166.600 | 0.0000 | 0.0000 | 81.268 | 0.16631 | 0.00000 | 602892.1 | 462221.8 | 0.0 | S |
| 166.608 | 0.0000 | 0.0000 | 81.268 | 0.16630 | 0.00000 | 602892.1 | 462226.8 | 0.0 | S |
| 166.617 | 0.0000 | 0.0000 | 81.268 | 0.16629 | 0.00000 | 602892.1 | 462231.8 | 0.0 | S |
| 166.625 | 0.0000 | 0.0000 | 81.268 | 0.16629 | 0.00000 | 602892.1 | 462236.8 | 0.0 | S |
| 166.633 | 0.0000 | 0.0000 | 81.267 | 0.16628 | 0.00000 | 602892.1 | 462241.8 | 0.0 | S |
| 166.642 | 0.0000 | 0.0000 | 81.267 | 0.16627 | 0.00000 | 602892.1 | 462246.8 | 0.0 | S |
| 166.650 | 0.0000 | 0.0000 | 81.267 | 0.16626 | 0.00000 | 602892.1 | 462251.8 | 0.0 | S |
| 166.658 | 0.0000 | 0.0000 | 81.267 | 0.16625 | 0.00000 | 602892.1 | 462256.8 | 0.0 | S |
| 166.667 | 0.0000 | 0.0000 | 81.267 | 0.16624 | 0.00000 | 602892.1 | 462261.8 | 0.0 | S |
| 166.675 | 0.0000 | 0.0000 | 81.267 | 0.16623 | 0.00000 | 602892.1 | 462266.8 | 0.0 | S |
| 166.683 | 0.0000 | 0.0000 | 81.267 | 0.16622 | 0.00000 | 602892.1 | 462271.8 | 0.0 | S |
| 166.692 | 0.0000 | 0.0000 | 81.267 | 0.16622 | 0.00000 | 602892.1 | 462276.7 | 0.0 | S |
| 166.700 | 0.0000 | 0.0000 | 81.267 | 0.16621 | 0.00000 | 602892.1 | 462281.7 | 0.0 | S |
| 166.708 | 0.0000 | 0.0000 | 81.267 | 0.16620 | 0.00000 | 602892.1 | 462286.7 | 0.0 | S |
| 166.717 | 0.0000 | 0.0000 | 81.267 | 0.16619 | 0.00000 | 602892.1 | 462291.7 | 0.0 | S |
| 166.725 | 0.0000 | 0.0000 | 81.266 | 0.16618 | 0.00000 | 602892.1 | 462296.7 | 0.0 | S |
| 166.733 | 0.0000 | 0.0000 | 81.266 | 0.16617 | 0.00000 | 602892.1 | 462301.7 | 0.0 | S |
| 166.742 | 0.0000 | 0.0000 | 81.266 | 0.16616 | 0.00000 | 602892.1 | 462306.6 | 0.0 | S |
| 166.750 | 0.0000 | 0.0000 | 81.266 | 0.16615 | 0.00000 | 602892.1 | 462311.6 | 0.0 | S |
| 166.758 | 0.0000 | 0.0000 | 81.266 | 0.16615 | 0.00000 | 602892.1 | 462316.6 | 0.0 | S |
| 166.767 | 0.0000 | 0.0000 | 81.266 | 0.16614 | 0.00000 | 602892.1 | 462321.6 | 0.0 | S |
| 166.775 | 0.0000 | 0.0000 | 81.266 | 0.16613 | 0.00000 | 602892.1 | 462326.6 | 0.0 | S |
| 166.783 | 0.0000 | 0.0000 | 81.266 | 0.16612 | 0.00000 | 602892.1 | 462331.6 | 0.0 | S |
| 166.792 | 0.0000 | 0.0000 | 81.266 | 0.16611 | 0.00000 | 602892.1 | 462336.5 | 0.0 | S |
| 166.800 | 0.0000 | 0.0000 | 81.266 | 0.16610 | 0.00000 | 602892.1 | 462341.5 | 0.0 | S |
| 166.808 | 0.0000 | 0.0000 | 81.265 | 0.16609 | 0.00000 | 602892.1 | 462346.5 | 0.0 | S |
| 166.817 | 0.0000 | 0.0000 | 81.265 | 0.16608 | 0.00000 | 602892.1 | 462351.5 | 0.0 | S |
| 166.825 | 0.0000 | 0.0000 | 81.265 | 0.16608 | 0.00000 | 602892.1 | 462356.5 | 0.0 | S |
| 166.833 | 0.0000 | 0.0000 | 81.265 | 0.16607 | 0.00000 | 602892.1 | 462361.5 | 0.0 | S |
| 166.842 | 0.0000 | 0.0000 | 81.265 | 0.16606 | 0.00000 | 602892.1 | 462366.4 | 0.0 | S |
| 166.850 | 0.0000 | 0.0000 | 81.265 | 0.16605 | 0.00000 | 602892.1 | 462371.4 | 0.0 | S |
| 166.858 | 0.0000 | 0.0000 | 81.265 | 0.16604 | 0.00000 | 602892.1 | 462376.4 | 0.0 | S |
| 166.867 | 0.0000 | 0.0000 | 81.265 | 0.16603 | 0.00000 | 602892.1 | 462381.4 | 0.0 | S |
| 166.875 | 0.0000 | 0.0000 | 81.265 | 0.16602 | 0.00000 | 602892.1 | 462386.4 | 0.0 | S |
| 166.883 | 0.0000 | 0.0000 | 81.265 | 0.16601 | 0.00000 | 602892.1 | 462391.3 | 0.0 | S |
| 166.892 | 0.0000 | 0.0000 | 81.265 | 0.16601 | 0.00000 | 602892.1 | 462396.3 | 0.0 | S |
| 166.900 | 0.0000 | 0.0000 | 81.264 | 0.16600 | 0.00000 | 602892.1 | 462401.3 | 0.0 | S |
| 166.908 | 0.0000 | 0.0000 | 81.264 | 0.16599 | 0.00000 | 602892.1 | 462406.3 | 0.0 | S |
| 166.917 | 0.0000 | 0.0000 | 81.264 | 0.16598 | 0.00000 | 602892.1 | 462411.3 | 0.0 | S |
| 166.925 | 0.0000 | 0.0000 | 81.264 | 0.16597 | 0.00000 | 602892.1 | 462416.3 | 0.0 | S |
| 166.933 | 0.0000 | 0.0000 | 81.264 | 0.16596 | 0.00000 | 602892.1 | 462421.2 | 0.0 | S |
| 166.942 | 0.0000 | 0.0000 | 81.264 | 0.16595 | 0.00000 | 602892.1 | 462426.2 | 0.0 | S |
| 166.950 | 0.0000 | 0.0000 | 81.264 | 0.16594 | 0.00000 | 602892.1 | 462431.2 | 0.0 | S |
| 166.958 | 0.0000 | 0.0000 | 81.264 | 0.16594 | 0.00000 | 602892.1 | 462436.2 | 0.0 | S |
| 166.967 | 0.0000 | 0.0000 | 81.264 | 0.16593 | 0.00000 | 602892.1 | 462441.1 | 0.0 | S |
| 166.975 | 0.0000 | 0.0000 | 81.264 | 0.16592 | 0.00000 | 602892.1 | 462446.1 | 0.0 | S |
| 166.983 | 0.0000 | 0.0000 | 81.263 | 0.16591 | 0.00000 | 602892.1 | 462451.1 | 0.0 | S |
| 166.992 | 0.0000 | 0.0000 | 81.263 | 0.16590 | 0.00000 | 602892.1 | 462456.1 | 0.0 | S |
| $\uparrow 67.000$ | 0.0000 | 0.0000 | 81.263 | 0.16589 | 0.00000 | 602892.1 | 462461.0 | 0.0 | S |
| 167.008 | 0.0000 | 0.0000 | 81.263 | 0.16588 | 0.00000 | 602892.1 | 462466.0 | 0.0 | S |
| 167.017 | 0.0000 | 0.0000 | 81.263 | 0.16587 | 0.00000 | 602892.1 | 462471.0 | 0.0 | S |
| 167.025 | 0.0000 | 0.0000 | 81.263 | 0.16587 | 0.00000 | 602892.1 | 462476.0 | 0.0 | S |
| 167.033 | 0.0000 | 0.0000 | 81.263 | 0.16586 | 0.00000 | 602892.1 | 462480.9 | 0.0 | S |
| 167.042 | 0.0000 | 0.0000 | 81.263 | 0.16585 | 0.00000 | 602892.1 | 462485.9 | 0.0 | S |
| 167.050 | 0.0000 | 0.0000 | 81.263 | 0.16584 | 0.00000 | 602892.1 | 462490.9 | 0.0 | S |
| 167.058 | 0.0000 | 0.0000 | 81.263 | 0.16583 | 0.00000 | 602892.1 | 462495.9 | 0.0 | S |
| 167.067 | 0.0000 | 0.0000 | 81.263 | 0.16582 | 0.00000 | 602892.1 | 462500.8 | 0.0 | S |
| 167.075 | 0.0000 | 0.0000 | 81.262 | 0.16581 | 0.00000 | 602892.1 | 462505.8 | 0.0 | S |
| 167.083 | 0.0000 | 0.0000 | 81.262 | 0.16580 | 0.00000 | 602892.1 | 462510.8 | 0.0 | S |
| 167.092 | 0.0000 | 0.0000 | 81.262 | 0.16580 | 0.00000 | 602892.1 | 462515.8 | 0.0 | S |
| 167.100 | 0.0000 | 0.0000 | 81.262 | 0.16579 | 0.00000 | 602892.1 | 462520.8 | 0.0 | S |
| 167.108 | 0.0000 | 0.0000 | 81.262 | 0.16578 | 0.00000 | 602892.1 | 462525.7 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate (fishs) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infilitration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 167.117 | 0.0000 | 0.0000 | 81.262 | 0.16577 | 0.00000 | 602892.1 | 462530.7 | 0.0 | S |
| 167.125 | 0.0000 | 0.0000 | 81.262 | 0.16576 | 0.00000 | 602892.1 | 462535.7 | 0.0 | S |
| 167.133 | 0.0000 | 0.0000 | 81.262 | 0.16575 | 0.00000 | 602892.1 | 462540.6 | 0.0 | S |
| \{67.142 | 0.0000 | 0.0000 | 81.262 | 0.16574 | 0.00000 | 602892.1 | 462545.6 | 0.0 | S |
| 167.150 | 0.0000 | 0.0000 | 81.262 | 0.16574 | 0.00000 | 602892.1 | 462550.6 | 0.0 | S |
| 167.158 | 0.0000 | 0.0000 | 81.262 | 0.16573 | 0.00000 | 602892.1 | 462555.6 | 0.0 | S |
| 167.167 | 0.0000 | 0.0000 | 81.261 | 0.16572 | 0.00000 | 602892.1 | 462560.5 | 0.0 | S |
| 167.175 | 0.0000 | 0.0000 | 81.261 | 0.16571 | 0.00000 | 602892.1 | 462565.5 | 0.0 | S |
| 167.183 | 0.0000 | 0.0000 | 81.261 | 0.16570 | 0.00000 | 602892.1 | 462570.5 | 0.0 | S |
| 167.192 | 0.0000 | 0.0000 | 81.261 | 0.16569 | 0.00000 | 602892.1 | 462575.4 | 0.0 | S |
| 167.200 | 0.0000 | 0.0000 | 81.261 | 0.16568 | 0.00000 | 602892.1 | 462580.4 | 0.0 | S |
| 167.208 | 0.0000 | 0.0000 | 81.261 | 0.16567 | 0.00000 | 602892.1 | 462585.4 | 0.0 | S |
| 167.217 | 0.0000 | 0.0000 | 81.261 | 0.16567 | 0.00000 | 602892.1 | 462590.3 | 0.0 | S |
| 167.225 | 0.0000 | 0.0000 | 81.261 | 0.16566 | 0.00000 | 602892.1 | 462595.3 | 0.0 | S |
| 167.233 | 0.0000 | 0.0000 | 81.261 | 0.16565 | 0.00000 | 602892.1 | 462600.3 | 0.0 | S |
| 167.242 | 0.0000 | 0.0000 | 81.261 | 0.16564 | 0.00000 | 602892.1 | 462605.3 | 0.0 | S |
| 167.250 | 0.0000 | 0.0000 | 84.260 | 0.16563 | 0.00000 | 602892.1 | 462610.2 | 0.0 | S |
| 167.258 | 0.0000 | 0.0000 | 81.260 | 0.16562 | 0.00000 | 602892.1 | 462615.2 | 0.0 | S |
| 167.267 | 0.0000 | 0.0000 | 81.260 | 0.16561 | 0.00000 | 602892.1 | 462620.2 | 0.0 | S |
| 167.275 | 0.0000 | 0.0000 | 81.260 | 0.16560 | 0.00000 | 602892.1 | 462625.1 | 0.0 | S |
| 167.283 | 0.0000 | 0.0000 | 81.260 | 0.16560 | 0.00000 | 602892.1 | 462630.7 | 0.0 | S |
| 167.292 | 0.0000 | 0.0000 | 81.260 | 0.16559 | 0.00000 | 602892.1 | 462635.1 | 0.0 | S |
| 167.300 | 0.0000 | 0.0000 | 81.260 | 0.16558 | 0.00000 | 602892.1 | 462640.0 | 0.0 | S |
| 167.308 | 0.0000 | 0.0000 | 81.260 | 0.16557 | 0.00000 | 602892.1 | 462645.0 | 0.0 | S |
| 167.317 | 0.0000 | 0.0000 | 81.260 | 0.16556 | 0.00000 | 602892.1 | 462650.0 | 0.0 | S |
| 167.325 | 0.0000 | 0.0000 | 81.260 | 0.16555 | 0.00000 | 602892.1 | 462654.9 | 0.0 | S |
| 167.333 | 0.0000 | 0.0000 | 81.260 | 0.16554 | 0.00000 | 602892.1 | 462659.9 | 0.0 | S |
| 167.342 | 0.0000 | 0.0000 | 81.259 | 0.16553 | 0.00000 | 602892.1 | 462664.9 | 0.0 | S |
| 167.350 | 0.0000 | 0.0000 | 81.259 | 0.16553 | 0.00000 | 602892.1 | 462669.8 | 0.0 | S |
| 167.358 | 0.0000 | 0.0000 | 81.259 | 0.16552 | 0.00000 | 602892.1 | 462674.8 | 0.0 | S |
| 167.367 | 0.0000 | 0.0000 | 81.259 | 0.16551 | 0.00000 | 602892.1 | 462679.8 | 0.0 | S |
| 167.375 | 0.0000 | 0.0000 | 81.259 | 0.16550 | 0.00000 | 602892.1 | 462684.7 | 0.0 | S |
| 167.383 | 0.0000 | 0.0000 | 81.259 | 0.16549 | 0.00000 | 602892.1 | 462689.7 | 0.0 | S |
| 167.392 | 0.0000 | 0.0000 | 81.259 | 0.16548 | 0.00000 | 602892.1 | 462694.7 | 0.0 | S |
| 167.400 | 0.0000 | 0.0000 | 81.259 | 0.16547 | 0.00000 | 602892.1 | 462699.6 | 0.0 | S |
| 167.408 | 0.0000 | 0.0000 | 81.259 | 0.16547 | 0.00000 | 602892.1 | 462704.6 | 0.0 | S |
| 167.417 | 0.0000 | 0.0000 | 81.259 | 0.16546 | 0.00000 | 602892.1 | 462709.6 | 0.0 | S |
| 167.425 | 0.0000 | 0.0000 | 81.259 | 0.16545 | 0.00000 | 602892.1 | 462714.5 | 0.0 | S |
| 167.433 | 0.0000 | 0.0000 | 81.258 | 0.16544 | 0.00000 | 602892.1 | 462719.5 | 0.0 | S |
| 167.442 | 0.0000 | 0.0000 | 81.258 | 0.16543 | 0.00000 | 602892.1 | 462724.4 | 0.0 | S |
| 167.450 | 0.0000 | 0.0000 | 81.258 | 0.16542 | 0.00000 | 602892.1 | 462729.4 | 0.0 | S |
| 167.458 | 0.0000 | 0.0000 | 81.258 | 0.16541 | 0.00000 | 602892.1 | 462734.4 | 0.0 | S |
| 167.467 | 0.0000 | 0.0000 | 81.258 | 0.16540 | 0.00000 | 602892.1 | 462739.3 | 0.0 | S |
| 167.475 | 0.0000 | 0.0000 | 81.258 | 0.16540 | 0.00000 | 602892.1 | 462744.3 | 0.0 | S |
| 167.483 | 0.0000 | 0.0000 | 81.258 | 0.16539 | 0.00000 | 602892.1 | 462749.3 | 0.0 | S |
| 167.492 | 0.0000 | 0.0000 | 81.258 | 0.16538 | 0.00000 | 602892.1 | 462754.2 | 0.0 | S |
| 167.500 | 0.0000 | 0.0000 | 81.258 | 0.16537 | 0.00000 | 602892.1 | 462759.2 | 0.0 | S |
| 167.508 | 0.0000 | 0.0000 | 81.258 | 0.16536 | 0.00000 | 602892.1 | 462764.1 | 0.0 | S |
| 167.517 | 0.0000 | 0.0000 | 81.257 | 0.16535 | 0.00000 | 602892.1 | 462769.1 | 0.0 | S |
| 167.525 | 0.0000 | 0.0000 | 81.257 | 0.16534 | 0.00000 | 602892.1 | 462774.1 | 0.0 | S |
| 167.533 | 0.0000 | 0.0000 | 81.257 | 0.16533 | 0.00000 | 602892.1 | 462779.0 | 0.0 | S |
| 167.542 | 0.0000 | 0.0000 | 81.257 | 0.16533 | 0.00000 | 602892.1 | 462784.0 | 0.0 | S |
| 167.550 | 0.0000 | 0.0000 | 81.257 | 0.16532 | 0.00000 | 602892.1 | 462788.9 | 0.0 | S |
| 167.558 | 0.0000 | 0.0000 | 81.257 | 0.16531 | 0.00000 | 602892.1 | 462793.9 | 0.0 | S |
| 167.567 | 0.0000 | 0.0000 | 81.257 | 0.16530 | 0.00000 | 602892.1 | 462798.8 | 0.0 | S |
| 167.575 | 0.0000 | 0.0000 | 81.257 | 0.16529 | 0.00000 | 602892.1 | 462803.8 | 0.0 | S |
| 167.583 | 0.0000 | 0.0000 | 81.257 | 0.16528 | 0.00000 | 602892.1 | 462808.8 | 0.0 | S |
| 167.592 | 0.0000 | 0.0000 | 81.257 | 0.16527 | 0.00000 | 602892.1 | 462813.8 | 0.0 | S |
| 167.600 | 0.0000 | 0.0000 | 81.257 | 0.16527 | 0.00000 | 602892.1 | 462818.7 | 0.0 | S |
| 167.608 | 0.0000 | 0.0000 | 81.256 | 0.16526 | 0.00000 | 602892.1 | 462823.7 | 0.0 | S |
| 167.617 | 0.0000 | 0.0000 | 81.256 | 0.16525 | 0.00000 | 602892.1 | 462828.6 | 0.0 | S |
| 167.625 | 0.0000 | 0.0000 | 81.256 | 0.16524 | 0.00000 | 602892.1 | 462833.6 | 0.0 | S |
| 167.633 | 0.0000 | 0.0000 | 81.256 | 0.16523 | 0.00000 | 602892.1 | 462838.5 | 0.0 | S |
| 167.642 | 0.0000 | 0.0000 | 81.256 | 0.16522 | 0.00000 | 602892.1 | 462843.5 | 0.0 | S |
| 167.650 | 0.0000 | 0.0000 | 81.256 | 0.16521 | 0.00000 | 602892.1 | 462848.4 | 0.0 | S |
| 167.658 | 0.0000 | 0.0000 | 81.256 | 0.16520 | 0.00000 | 602892.1 | 462853.4 | 0.0 | S |
| 167.667 | 0.0000 | 0.0000 | 81.256 | 0.16520 | 0.00000 | 602892.1 | 462858.3 | 0.0 | S |
| 167.675 | 0.0000 | 0.0000 | 81.256 | 0.16519 | 0.00000 | 602892.1 | 462863.3 | 0.0 | S |
| 167.683 | 0.0000 | 0.0000 | 81.256 | 0.16518 | 0.00000 | 602892.1 | 462868.3 | 0.0 | S |
| 167.692 | 0.0000 | 0.0000 | 81.256 | 0.16517 | 0.00000 | 602892.1 | 462873.2 | 0.0 | S |
| 167.700 | 0.0000 | 0.0000 | 81.255 | 0.16516 | 0.00000 | 602892.1 | 462878.2 | 0.0 | S |
| 167.708 | 0.0000 | 0.0000 | 81.255 | 0.16515 | 0.00000 | 602892.1 | 462883.1 | 0.0 | S |
| 167.717 | 0.0000 | 0.0000 | 81.255 | 0.16514 | 0.00000 | 602892.1 | 462888.1 | 0.0 | S |
| 167.725 | 0.0000 | 0.0000 | 81.255 | 0.16514 | 0.00000 | 602892.1 | 462893.0 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (fi/day) | Stage Elevation ( $f$ datum) | Infilitration Rate ( $\mathrm{fi}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3 / \mathrm{s})}$ | $\begin{aligned} & \text { Cumulative } \\ & \text { Inflow } \\ & \text { Volume }\left(\mathrm{ft}^{3}\right) \end{aligned}$ | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative <br> Discharge <br> Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 167.733 | 0.0000 | 0.0000 | 81.255 | 0.16513 | 0.00000 | 602892.1 | 462898.0 | 0.0 | S |
| 167.742 | 0.0000 | 0.0000 | 81.255 | 0.16512 | 0.00000 | 602892.1 | 462902.9 | 0.0 | S |
| 167.750 | 0.0000 | 0.0000 | 81.255 | 0.16511 | 0.00000 | 602892.1 | 462907.9 | 0.0 | S |
| 167.758 | 0.0000 | 0.0000 | 81.255 | 0.16510 | 0.00000 | 602892.1 | 462912.8 | 0.0 | S |
| 167.767 | 0.0000 | 0.0000 | 81.255 | 0.16509 | 0.00000 | 602892.1 | 462917.8 | 0.0 | S |
| 167.775 | 0.0000 | 0.0000 | 81.255 | 0.16508 | 0.00000 | 602892.1 | 462922.8 | 0.0 | S |
| 167.783 | 0.0000 | 0.0000 | 81.254 | 0.16507 | 0.00000 | 602892.1 | 462927.7 | 0.0 | S |
| 167.792 | 0.0000 | 0.0000 | 81.254 | 0.16507 | 0.00000 | 602892.1 | 462932.7 | 0.0 | S |
| 167.800 | 0.0000 | 0.0000 | 81.254 | 0.16506 | 0.00000 | 602892.1 | 462937.6 | 0.0 | S |
| 167.808 | 0.0000 | 0.0000 | 81.254 | 0.16505 | 0.00000 | 602892.1 | 462942.6 | 0.0 | S |
| 167.817 | 0.0000 | 0.0000 | 81.254 | 0.16504 | 0.00000 | 602892.1 | 462947.5 | 0.0 | S |
| 167.825 | 0.0000 | 0.0000 | 81.254 | 0.16503 | 0.00000 | 602892.1 | 462952.5 | 0.0 | S |
| 167.833 | 0.0000 | 0.0000 | 81.254 | 0.16502 | 0.00000 | 602892.1 | 462957.4 | 0.0 | S |
| 167.842 | 0.0000 | 0.0000 | 81.254 | 0.16501 | 0.00000 | 602892.1 | 462962.4 | 0.0 | S |
| 167.850 | 0.0000 | 0.0000 | 81.254 | 0.16501 | 0.00000 | 602892.1 | 462967.3 | 0.0 | S |
| 167.858 | 0.0000 | 0.0000 | 81.254 | 0.16500 | 0.00000 | 602892.1 | 462972.3 | 0.0 | S |
| 167.867 | 0.0000 | 0.0000 | 81.254 | 0.16499 | 0.00000 | 602892.1 | 462977.2 | 0.0 | S |
| 167.875 | 0.0000 | 0.0000 | 81.253 | 0.16498 | 0.00000 | 602892.1 | 462982.2 | 0.0 | S |
| 167.883 | 0.0000 | 0.0000 | 81.253 | 0.16497 | 0.00000 | 602892.1 | 462987.1 | 0.0 | S |
| 167.892 | 0.0000 | 0.0000 | 81.253 | 0.16496 | 0.00000 | 602892.1 | 462992.1 | 0.0 | S |
| 167.900 | 0.0000 | 0.0000 | 81.253 | 0.16495 | 0.00000 | 602892.1 | 462997.0 | 0.0 | S |
| 167.908 | 0.0000 | 0.0000 | 81.253 | 0.16495 | 0.00000 | 602892.1 | 463002.0 | 0.0 | S |
| 167.917 | 0.0000 | 0.0000 | 81.253 | 0.16494 | 0.00000 | 602892.1 | 463006.9 | 0.0 | S |
| 167.925 | 0.0000 | 0.0000 | 81.253 | 0.16493 | 0.00000 | 602892.1 | 463011.8 | 0.0 | S |
| 167.933 | 0.0000 | 0.0000 | 81.253 | 0.16492 | 0.00000 | 602892.1 | 463016.8 | 0.0 | S |
| 167.942 | 0.0000 | 0.0000 | 81.253 | 0.16491 | 0.00000 | 602892.1 | 463021.8 | 0.0 | S |
| 167.950 | 0.0000 | 0.0000 | 81.253 | 0.16490 | 0.00000 | 602892.1 | 463026.7 | 0.0 | S |
| 167.958 | 0.0000 | 0.0000 | 81.253 | 0.16489 | 0.00000 | 602892.1 | 463031.7 | 0.0 | S |
| 167.967 | 0.0000 | 0.0000 | 81.252 | 0.16488 | 0.00000 | 602892.1 | 463036.6 | 0.0 | S |
| 167.975 | 0.0000 | 0.0000 | 81.252 | 0.16488 | 0.00000 | 602892.1 | 463041.5 | 0.0 | S |
| 167.983 | 0.0000 | 0.0000 | 81.252 | 0.16487 | 0.00000 | 602892.1 | 463046.5 | 0.0 | S |
| 167.992 | 0.0000 | 0.0000 | 81.252 | 0.16486 | 0.00000 | 602892.1 | 463051.4 | 0.0 | S |
| 168.000 | 0.0000 | 0.0000 | 81.252 | 0.16485 | 0.00000 | 602892.1 | 463056.4 | 0.0 | S |
| 168.008 | 0.0000 | 0.0000 | 81.252 | 0.16484 | 0.00000 | 602892.1 | 463061.3 | 0.0 | S |
| 168.017 | 0.0000 | 0.0000 | 81.252 | 0.16483 | 0.00000 | 602892.1 | 463066.3 | 0.0 | S |
| 168.025 | 0.0000 | 0.0000 | 81.252 | 0.16482 | 0.00000 | 602892.1 | 463071.2 | 0.0 | S |
| 168.033 | 0.0000 | 0.0000 | 81.252 | 0.16482 | 0.00000 | 602892.1 | 463076.2 | 0.0 | S |
| 168.042 | 0.0000 | 0.0000 | 81.252 | 0.16481 | 0.00000 | 602892.1 | 463081.1 | 0.0 | S |
| 168.050 | 0.0000 | 0.0000 | 81.251 | 0.16480 | 0.00000 | 602892.1 | 463086.0 | 0.0 | S |
| 168.058 | 0.0000 | 0.0000 | 81.251 | 0.16479 | 0.00000 | 602892.1 | 463091.0 | 0.0 | S |
| 168.067 | 0.0000 | 0.0000 | 81.251 | 0.16478 | 0.00000 | 602892.1 | 463095.9 | 0.0 | S |
| 168.075 | 0.0000 | 0.0000 | 81.251 | 0.16477 | 0.00000 | 602892.1 | 463100.9 | 0.0 | S |
| 168.083 | 0.0000 | 0.0000 | 81.251 | 0.16476 | 0.00000 | 602892.1 | 463105.8 | 0.0 | S |
| 168.092 | 0.0000 | 0.0000 | 81.251 | 0.16476 | 0.00000 | 602892.1 | 463110.8 | 0.0 | S |
| 168.100 | 0.0000 | 0.0000 | 81.251 | 0.16475 | 0.00000 | 602892.1 | 463115.7 | 0.0 | S |
| 168.108 | 0.0000 | 0.0000 | 81.251 | 0.16474 | 0.00000 | 602892.1 | 463120.7 | 0.0 | S |
| 168.117 | 0.0000 | 0.0000 | 81.251 | 0.16473 | 0.00000 | 602892.1 | 463125.6 | 0.0 | S |
| 168.125 | 0.0000 | 0.0000 | 81.251 | 0.16472 | 0.00000 | 602892.1 | 463130.5 | 0.0 | S |
| 168.133 | 0.0000 | 0.0000 | 81.251 | 0.16471 | 0.00000 | 602892.1 | 463135.5 | 0.0 | S |
| 168.142 | 0.0000 | 0.0000 | 81.250 | 0.16470 | 0.00000 | 602892.1 | 463140.4 | 0.0 | S |
| 168.150 | 0.0000 | 0.0000 | 81.250 | 0.16469 | 0.00000 | 602892.1 | 463145.3 | 0.0 | S |
| 168.158 | 0.0000 | 0.0000 | 81.250 | 0.16469 | 0.00000 | 602892.1 | 463150.3 | 0.0 | S |
| 168.167 | 0.0000 | 0.0000 | 81.250 | 0.16468 | 0.00000 | 602892.1 | 463155.2 | 0.0 | S |
| 168.175 | 0.0000 | 0.0000 | 81.250 | 0.16467 | 0.00000 | 602892.1 | 463160.2 | 0.0 | S |
| 168.183 | 0.0000 | 0.0000 | 81.250 | 0.16466 | 0.00000 | 602892.1 | 463165.1 | 0.0 | S |
| 168.192 | 0.0000 | 0.0000 | 81.250 | 0.16465 | 0.00000 | 602892.1 | 463170.1 | 0.0 | S |
| 168.200 | 0.0000 | 0.0000 | 81.250 | 0.16464 | 0.00000 | 602892.1 | 463175.0 | 0.0 | S |
| 168.208 | 0.0000 | 0.0000 | 81.250 | 0.16463 | 0.00000 | 602892.1 | 463179.9 | 0.0 | S |
| 168.217 | 0.0000 | 0.0000 | 81.250 | 0.16463 | 0.00000 | 602892.1 | 463184.9 | 0.0 | S |
| 168.225 | 0.0000 | 0.0000 | 81.250 | 0.16462 | 0.00000 | 602892.1 | 463189.8 | 0.0 | S |
| 168.233 | 0.0000 | 0.0000 | 81.249 | 0.16461 | 0.00000 | 602892.1 | 463194.8 | 0.0 | S |
| 168.242 | 0.0000 | 0.0000 | 81.249 | 0.16460 | 0.00000 | 602892.1 | 463199.7 | 0.0 | S |
| 168.250 | 0.0000 | 0.0000 | 81.249 | 0.16459 | 0.00000 | 602892.1 | 463204.6 | 0.0 | S |
| 168.258 | 0.0000 | 0.0000 | 81.249 | 0.16458 | 0.00000 | 602892.1 | 463209.6 | 0.0 | S |
| 168.267 | 0.0000 | 0.0000 | 81.249 | 0.16457 | 0.00000 | 602892.1 | 463214.5 | 0.0 | S |
| 168.275 | 0.0000 | 0.0000 | 81.249 | 0.16457 | 0.00000 | 602892.1 | 463219.4 | 0.0 | S |
| 168.283 | 0.0000 | 0.0000 | 81.249 | 0.16456 | 0.00000 | 602892.1 | 463224.4 | 0.0 | S |
| 168.292 | 0.0000 | 0.0000 | 81.249 | 0.16455 | 0.00000 | 602892.1 | 463229.3 | 0.0 | S |
| 168.300 | 0.0000 | 0.0000 | 81.249 | 0.16454 | 0.00000 | 602892.1 | 463234.3 | 0.0 | S |
| 168.308 | 0.0000 | 0.0000 | 81.249 | 0.16453 | 0.00000 | 602892.1 | 463239.2 | 0.0 | S |
| 168.317 | 0.0000 | 0.0000 | 81.248 | 0.16452 | 0.00000 | 602892.1 | 463244.1 | 0.0 | S |
| 168.325 | 0.0000 | 0.0000 | 81.248 | 0.16451 | 0.00000 | 602892.1 | 463249.1 | 0.0 | S |
| 168.333 | 0.0000 | 0.0000 | 81.248 | 0.16451 | 0.00000 | 602892.1 | 463254.0 | 0.0 | S |
| 168.342 | 0.0000 | 0.0000 | 81.248 | 0.16450 | 0.00000 | 602892.1 | 463258.9 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (IV/day) | Stage Elevation (fi datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overfiow Discharge ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Cumulative Enflow Volume ( $\mathrm{fr}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 168.350 | 0.0000 | 0.0000 | 81.248 | 0.16449 | 0.00000 | 602892.1 | 463263.8 | 0.0 | S |
| 168.358 | 0.0000 | 0.0000 | 81.248 | 0.16448 | 0.00000 | 602892.1 | 463268.8 | 0.0 | S |
| 168.367 | 0.0000 | 0.0000 | 81.248 | 0.16447 | 0.00000 | 602892.1 | 463273.7 | 0.0 | S |
| 168.375 | 0.0000 | 0.0000 | 81.248 | 0.16446 | 0.00000 | 602892.1 | 463278.7 | 0.0 | S |
| 168.383 | 0.0000 | 0.0000 | 81.248 | 0.16445 | 0.00000 | 602892.1 | 463283.6 | 0.0 | S |
| 168.392 | 0.0000 | 0.0000 | 81.248 | 0.16445 | 0.00000 | 602892.1 | 463288.5 | 0.0 | S |
| 168.400 | 0.0000 | 0.0000 | 81.248 | 0.16444 | 0.00000 | 602892.1 | 463293.5 | 0.0 | S |
| 168.408 | 0.0000 | 0.0000 | 81.247 | 0.16443 | 0.00000 | 602892.1 | 463298.4 | 0.0 | S |
| 168.417 | 0.0000 | 0.0000 | 81.247 | 0.16442 | 0.00000 | 602892.1 | 463303.3 | 0.0 | S |
| 168.425 | 0.0000 | 0.0000 | 81.247 | 0.16441 | 0.00000 | 602892.1 | 463308.3 | 0.0 | S |
| 168.433 | 0.0000 | 0.0000 | 81.247 | 0.16440 | 0.00000 | 602892.1 | 463313.2 | 0.0 | S |
| 168.442 | 0.0000 | 0.0000 | 81.247 | 0.16439 | 0.00000 | 602892.1 | 463318.1 | 0.0 | S |
| 168.450 | 0.0000 | 0.0000 | 81.247 | 0.16439 | 0.00000 | 602892.1 | 463323.1 | 0.0 | S |
| 168.458 | 0.0000 | 0.0000 | 81.247 | 0.16438 | 0.00000 | 602892.1 | 463328.0 | 0.0 | S |
| 168.467 | 0.0000 | 0.0000 | 81.247 | 0.16437 | 0.00000 | 602892.1 | 463332.9 | 0.0 | S |
| \$68.475 | 0.0000 | 0.0000 | 81.247 | 0.16436 | 0.00000 | 602892.1 | 463337.8 | 0.0 | S |
| 168.483 | 0.0000 | 0.0000 | 81.247 | 0.16435 | 0.00000 | 602892.1 | 463342.8 | 0.0 | S |
| 168.492 | 0.0000 | 0.0000 | 81.247 | 0.16434 | 0.00000 | 602892.1 | 463347.7 | 0.0 | S |
| 168.500 | 0.0000 | 0.0000 | 81.246 | 0.16433 | 0.00000 | 602892.1 | 463352.6 | 0.0 | S |
| 168.508 | 0.0000 | 0.0000 | 81.246 | 0.16432 | 0.00000 | 602892.1 | 463357.6 | 0.0 | S |
| 168.517 | 0.0000 | 0.0000 | 81.246 | 0.16432 | 0.00000 | 602892.1 | 463362.5 | 0.0 | S |
| 168.525 | 0.0000 | 0.0000 | 81.246 | 0.16431 | 0.00000 | 602892.1 | 463367.4 | 0.0 | S |
| 168.533 | 0.0000 | 0.0000 | 81.246 | 0.16430 | 0.00000 | 602892.1 | 463372.3 | 0.0 | S |
| 168.542 | 0.0000 | 0.0000 | 81.246 | 0.16429 | 0.00000 | 602892.1 | 463377.3 | 0.0 | S |
| 168.550 | 0.0000 | 0.0000 | 81.246 | 0.16428 | 0.00000 | 602892.1 | 463382.2 | 0.0 | S |
| 168.558 | 0.0000 | 0.0000 | 81.246 | 0.16427 | 0.00000 | 602892.1 | 463387.2 | 0.0 | S |
| 168.567 | 0.0000 | 0.0000 | 81.246 | 0.16426 | 0.00000 | 602892.1 | 463392.1 | 0.0 | S |
| 168.575 | 0.0000 | 0.0000 | 81.246 | 0.16426 | 0.00000 | 602892.1 | 463397.0 | 0.0 | S |
| 168.583 | 0.0000 | 0.0000 | 81.246 | 0.16425 | 0.00000 | 602892.1 | 463401.9 | 0.0 | S |
| 168.592 | 0.0000 | 0.0000 | 81.245 | 0.16424 | 0.00000 | 602892.1 | 463406.8 | 0.0 | S |
| 168.600 | 0.0000 | 0.0000 | 81.245 | 0.16423 | 0.00000 | 602892.1 | 463411.8 | 0.0 | S |
| 168.608 | 0.0000 | 0.0000 | 81.245 | 0.16422 | 0.00000 | 602892.1 | 463416.7 | 0.0 | S |
| 168.617 | 0.0000 | 0.0000 | 81.245 | 0.16421 | 0.00000 | 602892.1 | 463421.6 | 0.0 | S |
| 168.625 | 0.0000 | 0.0000 | 81.245 | 0.16420 | 0.00000 | 602892.1 | 463426.6 | 0.0 | S |
| 168.633 | 0.0000 | 0.0000 | 81.245 | 0.16420 | 0.00000 | 602892.1 | 463431.5 | 0.0 | S |
| 168.642 | 0.0000 | 0.0000 | 81.245 | 0.16419 | 0.00000 | 602892.1 | 463436.4 | 0.0 | S |
| 168.650 | 0.0000 | 0.0000 | 81.245 | 0.16418 | 0.00000 | 602892.1 | 463441.3 | 0.0 | S |
| 168.658 | 0.0000 | 0.0000 | 81.245 | 0.16417 | 0.00000 | 602892.1 | 463446.3 | 0.0 | S |
| 168,667 | 0.0000 | 0.0000 | 81.245 | 0.16416 | 0.00000 | 602892.1 | 463451.2 | 0.0 | S |
| 168.675 | 0.0000 | 0.0000 | 81.244 | 0.16415 | 0.00000 | 602892.1 | 463456.1 | 0.0 | S |
| 168.683 | 0.0000 | 0.0000 | 81.244 | 0.16414 | 0.00000 | 602892.1 | 463461.0 | 0.0 | S |
| 168.692 | 0.0000 | 0.0000 | 81.244 | 0.16414 | 0.00000 | 602892.1 | 463466.0 | 0.0 | S |
| 168.700 | 0.0000 | 0.0000 | 81.244 | 0.16413 | 0.00000 | 602892.1 | 463470.9 | 0.0 | S |
| 168.708 | 0.0000 | 0.0000 | 81.244 | 0.16412 | 0.00000 | 602892.1 | 463475.8 | 0.0 | S |
| 168.717 | 0.0000 | 0.0000 | 81.244 | 0.16411 | 0.00000 | 602892.1 | 463480.7 | 0.0 | S |
| 168.725 | 0.0000 | 0.0000 | 81.244 | 0.16410 | 0.00000 | 602892.1 | 463485.7 | 0.0 | S |
| 168.733 | 0.0000 | 0.0000 | 81.244 | 0.16409 | 0.00000 | 602892.1 | 463490.6 | 0.0 | S |
| 168.742 | 0.0000 | 0.0000 | 81.244 | 0.16408 | 0.00000 | 602892.1 | 463495.5 | 0.0 | S |
| 168.750 | 0.0000 | 0.0000 | 81.244 | 0.16408 | 0.00000 | 602892.1 | 463500.4 | 0.0 | S |
| 168.758 | 0.0000 | 0.0000 | 81.244 | 0.16407 | 0.00000 | 602892.1 | 463505.3 | 0.0 | S |
| 168.767 | 0.0000 | 0.0000 | 81.243 | 0.16406 | 0.00000 | 602892.1 | 463510.3 | 0.0 | S |
| 168.775 | 0.0000 | 0.0000 | 81.243 | 0.16405 | 0.00000 | 602892.1 | 463515.2 | 0.0 | S |
| 168.783 | 0.0000 | 0.0000 | 81.243 | 0.16404 | 0.00000 | 602892.1 | 463520.1 | 0.0 | S |
| 168.792 | 0.0000 | 0.0000 | 81.243 | 0.16403 | 0.00000 | 602892.1 | 463525.0 | 0.0 | S |
| 168.800 | 0.0000 | 0.0000 | 81.243 | 0.16402 | 0.00000 | 602892.1 | 463530.0 | 0.0 | S |
| 168.808 | 0.0000 | 0.0000 | 81.243 | 0.16402 | 0.00000 | 602892.1 | 463534.9 | 0.0 | S |
| 168.817 | 0.0000 | 0.0000 | 81.243 | 0.16401 | 0.00000 | 602892.1 | 463539.8 | 0.0 | S |
| 168.825 | 0.0000 | 0.0000 | 81.243 | 0.16400 | 0.00000 | 602892.1 | 463544.7 | 0.0 | S |
| 168.833 | 0.0000 | 0.0000 | 81.243 | 0.16399 | 0.00000 | 602892.1 | 463549.6 | 0.0 | S |
| 168.842 | 0.0000 | 0.0000 | 81.243 | 0.16398 | 0.00000 | 602892.1 | 463554.6 | 0.0 | S |
| 168.850 | 0.0000 | 0.0000 | 81.243 | 0.16397 | 0.00000 | 602892.1 | 463559.5 | 0.0 | S |
| 168.858 | 0.0000 | 0.0000 | 81.242 | 0.16397 | 0.00000 | 602892.1 | 463564.4 | 0.0 | S |
| 168.867 | 0.0000 | 0.0000 | 81.242 | 0.16396 | 0.00000 | 602892.1 | 463569.3 | 0.0 | S |
| 168.875 | 0.0000 | 0.0000 | 81.242 | 0.16395 | 0.00000 | 602892.1 | 463574.2 | 0.0 | S |
| 168.883 | 0.0000 | 0.0000 | 81.242 | 0.16394 | 0.00000 | 602892.1 | 463579.2 | 0.0 | S |
| 168.892 | 0.0000 | 0.0000 | 81.242 | 0.16393 | 0.00000 | 602892.1 | 463584.1 | 0.0 | S |
| 168.900 | 0.0000 | 0.0000 | 81.242 | 0.16392 | 0.00000 | 602892.1 | 463589.0 | 0.0 | S |
| 168.908 | 0.0000 | 0.0000 | 81.242 | 0.16391 | 0.00000 | 602892.1 | 463593.9 | 0.0 | S |
| 168.917 | 0.0000 | 0.0000 | 81.242 | 0.16391 | 0.00000 | 602892.1 | 463598.8 | 0.0 | S |
| 168.925 | 0.0000 | 0.0000 | 81.242 | 0.16390 | 0.00000 | 602892.1 | 463603.8 | 0.0 | S |
| 168.933 | 0.0000 | 0.0000 | 81.242 | 0.16389 | 0.00000 | 602892.1 | 463608.7 | 0.0 | S |
| 168.942 | 0.0000 | 0.0000 | 81.241 | 0.16388 | 0.00000 | 602892.1 | 463613.6 | 0.0 | S |
| 168.950 | 0.0000 | 0.0000 | 81.241 | 0.16387 | 0.00000 | 602892.1 | 463618.5 | 0.0 | S |
| 168.958 | 0.0000 | 0.0000 | 81.241 | 0.16386 | 0.00000 | 602892.1 | 463623.4 | 0.0 | S |

PONDS Version 3.2.0207

# Retention Pond Recovery - Refined Method <br> Copyright 2003 

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year/ 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overtlow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative <br> Discharge <br> Volume ( $\mathrm{ft}^{3}$ ) | $\begin{aligned} & \text { Flow } \\ & \text { Type } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 168.967 | 0.0000 | 0.0000 | 81.241 | 0.16385 | 0.00000 | 602892.1 | 463628.3 | 0.0 | S |
| 168.975 | 0.0000 | 0.0000 | 81.241 | 0.16385 | 0.00000 | 602892.1 | 463633.2 | 0.0 | S |
| 168.983 | 0.0000 | 0.0000 | 81.241 | 0.16384 | 0.00000 | 602892.1 | 463638.2 | 0.0 | S |
| 168.992 | 0.0000 | 0.0000 | 81.241 | 0.16383 | 0.00000 | 602892.1 | 463643.1 | 0.0 | S |
| 169.000 | 0.0000 | 0.0000 | 81.241 | 0.16382 | 0.00000 | 602892.1 | 463648.0 | 0.0 | S |
| 169.008 | 0.0000 | 0.0000 | 81.241 | 0.16381 | 0.00000 | 602892.1 | 463652.9 | 0.0 | S |
| 169.017 | 0.0000 | 0.0000 | 81.241 | 0.16380 | 0.00000 | 602892.1 | 463657.8 | 0.0 | S |
| 169.025 | 0.0000 | 0.0000 | 81.241 | 0.16379 | 0.00000 | 602892.1 | 463662.7 | 0.0 | S |
| 169.033 | 0.0000 | 0.0000 | 81.240 | 0.16379 | 0.00000 | 602892.1 | 463667.6 | 0.0 | S |
| 169.042 | 0.0000 | 0.0000 | 81.240 | 0.16378 | 0.00000 | 602892.1 | 463672.6 | 0.0 | S |
| 169.050 | 0.0000 | 0.0000 | 81.240 | 0.16377 | 0.00000 | 602892.1 | 463677.5 | 0.0 | S |
| 169.058 | 0.0000 | 0.0000 | 81.240 | 0.16376 | 0.00000 | 602892.1 | 463682.4 | 0.0 | S |
| 169.067 | 0.0000 | 0.0000 | 81.240 | 0.16375 | 0.00000 | 602892.1 | 463687.3 | 0.0 | S |
| 169.075 | 0.0000 | 0.0000 | 81.240 | 0.16374 | 0.00000 | 602892.1 | 463692.2 | 0.0 | S |
| 169.083 | 0.0000 | 0.0000 | 81.240 | 0.16373 | 0.00000 | 602892.1 | 463697.1 | 0.0 | S |
| 169.092 | 0.0000 | 0.0000 | 81.240 | 0.16373 | 0.00000 | 602892.1 | 463702.0 | 0.0 | S |
| 169.100 | 0.0000 | 0.0000 | 81.240 | 0.16372 | 0.00000 | 602892.1 | 463706.9 | 0.0 | S |
| 169.108 | 0.0000 | 0.0000 | 81.240 | 0.16371 | 0.00000 | 602892.1 | 463711.8 | 0.0 | S |
| 169.117 | 0.0000 | 0.0000 | 81.240 | 0.16370 | 0.00000 | 602892.1 | 463716.8 | 0.0 | S |
| 169.125 | 0.0000 | 0.0000 | 81. 239 | 0.16369 | 0.00000 | 602892.1 | 463721.7 | 0.0 | S |
| 169.133 | 0.0000 | 0.0000 | 81.239 | 0.16368 | 0.00000 | 602892.1 | 463726.6 | 0.0 | S |
| 169.142 | 0.0000 | 0.0000 | 81.239 | 0.16367 | 0.00000 | 602892.1 | 463731.5 | 0.0 | S |
| 169.150 | 0.0000 | 0.0000 | 81.239 | 0.16367 | 0.00000 | 602892.1 | 463736.4 | 0.0 | S |
| 169.158 | 0.0000 | 0.0000 | 81.239 | 0.16366 | 0.00000 | 602892.1 | 463741.3 | 0.0 | S |
| 169.167 | 0.0000 | 0.0000 | 81.239 | 0.16365 | 0.00000 | 602892.1 | 463746.2 | 0.0 | S |
| 169.175 | 0.0000 | 0.0000 | 81.239 | 0.16364 | 0.00000 | 602892.1 | 463751.1 | 0.0 | S |
| 169.183 | 0.0000 | 0.0000 | 81.239 | 0.16363 | 0.00000 | 602892.1 | 463756.0 | 0.0 | S |
| 169.192 | 0.0000 | 0.0000 | 81.239 | 0.16362 | 0.00000 | 602892.1 | 463760.9 | 0.0 | S |
| 169.200 | 0.0000 | 0.0000 | 81.239 | 0.16362 | 0.00000 | 602892.1 | 463765.8 | 0.0 | S |
| 169.208 | 0.0000 | 0.0000 | 81.239 | 0.16361 | 0.00000 | 602892.1 | 463770.8 | 0.0 | S |
| 169.217 | 0.0000 | 0.0000 | 81.238 | 0.16360 | 0.00000 | 602892.1 | 463775.7 | 0.0 | S |
| 169.225 | 0.0000 | 0.0000 | 81.238 | 0.16359 | 0.00000 | 602892.1 | 463780.6 | 0.0 | S |
| 169.233 | 0.0000 | 0.0000 | 81.238 | 0.16358 | 0.00000 | 602892.1 | 463785.5 | 0.0 | S |
| 169.242 | 0.0000 | 0.0000 | 81.238 | 0.16357 | 0.00000 | 602892.1 | 463790.4 | 0.0 | S |
| 169.250 | 0.0000 | 0.0000 | 87.238 | 0.16356 | 0.00000 | 602892.1 | 463795.3 | 0.0 | S |
| 169.258 | 0.0000 | 0.0000 | 81.238 | 0.16356 | 0.00000 | 602892.1 | 463800.2 | 0.0 | S |
| 169.267 | 0.0000 | 0.0000 | 81.238 | 0.16355 | 0.00000 | 602892.1 | 463805.1 | 0.0 | S |
| 169.275 | 0.0000 | 0.0000 | 81.238 | 0.16354 | 0.00000 | 602892.1 | 463810.0 | 0.0 | S |
| 169.283 | 0.0000 | 0.0000 | 81.238 | 0.16353 | 0.00000 | 602892.1 | 463814.9 | 0.0 | S |
| 169.292 | 0.0000 | 0.0000 | 81.238 | 0.16352 | 0.00000 | 602892.1 | 463819.8 | 0.0 | S |
| 169.300 | 0.0000 | 0.0000 | 81.237 | 0.16351 | 0.00000 | 602892.1 | 463824.8 | 0.0 | S |
| 169.308 | 0.0000 | 0.0000 | 81.237 | 0.16350 | 0.00000 | 602892.1 | 463829.7 | 0.0 | S |
| 169.317 | 0.0000 | 0.0000 | 81.237 | 0.16350 | 0.00000 | 602892.1 | 463834.6 | 0.0 | S |
| 169.325 | 0.0000 | 0.0000 | 81.237 | 0.16349 | 0.00000 | 602892.1 | 463839.4 | 0.0 | S |
| 169.333 | 0.0000 | 0.0000 | 81.237 | 0.16348 | 0.00000 | 602892.1 | 463844.3 | 0.0 | S |
| 169.342 | 0.0000 | 0.0000 | 81.237 | 0.16347 | 0.00000 | 602892.1 | 463849.3 | 0.0 | S |
| 169.350 | 0.0000 | 0.0000 | 81.237 | 0.16346 | 0.00000 | 602892.1 | 463854.2 | 0.0 | S |
| 169.358 | 0.0000 | 0.0000 | 81.237 | 0.16345 | 0.00000 | 602892.1 | 463859.1 | 0.0 | S |
| 169.367 | 0.0000 | 0.0000 | 81.237 | 0.16344 | 0.00000 | 602892.1 | 463864.0 | 0.0 | S |
| 169.375 | 0.0000 | 0.0000 | 81.237 | 0.16344 | 0.00000 | 602892.1 | 463868.9 | 0.0 | S |
| 169.383 | 0.0000 | 0.0000 | 81.237 | 0.16343 | 0.00000 | 602892.1 | 463873.8 | 0.0 | S |
| 169.392 | 0.0000 | 0.0000 | 81.236 | 0.16342 | 0.00000 | 602892.1 | 463878.7 | 0.0 | S |
| 169.400 | 0.0000 | 0.0000 | 81.236 | 0.16341 | 0.00000 | 602892.1 | 463883.6 | 0.0 | S |
| 169.408 | 0.0000 | 0.0000 | 81.236 | 0.16340 | 0.00000 | 602892.1 | 463888.5 | 0.0 | S |
| 169.417 | 0.0000 | 0.0000 | 81.236 | 0.16339 | 0.00000 | 602892.1 | 463893.4 | 0.0 | S |
| 169.425 | 0.0000 | 0.0000 | 81.236 | 0.16339 | 0.00000 | 602892.1 | 463898.3 | 0.0 | S |
| 169.433 | 0.0000 | 0.0000 | 81.236 | 0.16338 | 0.00000 | 602892.1 | 463903.2 | 0.0 | S |
| 169.442 | 0.0000 | 0.0000 | 81.236 | 0.16337 | 0.00000 | 602892.1 | 463908.1 | 0.0 | S |
| 169.450 | 0.0000 | 0.0000 | 81.236 | 0.16336 | 0.00000 | 602892, 1 | 463913.0 | 0.0 | S |
| 169.458 | 0.0000 | 0.0000 | 81.236 | 0.16335 | 0.00000 | 602892.1 | 463917.9 | 0.0 | S |
| 169.467 | 0.0000 | 0.0000 | 81.236 | 0.16334 | 0.00000 | 602892.1 | 463922.8 | 0.0 | S |
| 169.475 | 0.0000 | 0.0000 | 81.236 | 0.16333 | 0.00000 | 602892.1 | 463927.7 | 0.0 | S |
| 169.483 | 0.0000 | 0.0000 | 81.235 | 0.16333 | 0.00000 | 602892.1 | 463932.6 | 0.0 | S |
| 169.492 | 0.0000 | 0.0000 | 81.235 | 0.16332 | 0.00000 | 602892.1 | 463937.5 | 0.0 | S |
| 169.500 | 0.0000 | 0.0000 | 81.235 | 0.16331 | 0.00000 | 602892.1 | 463942.4 | 0.0 | S |
| 169.508 | 0.0000 | 0.0000 | 81.235 | 0.16330 | 0.00000 | 602892.1 | 463947.3 | 0.0 | S |
| 169.517 | 0.0000 | 0.0000 | 81.235 | 0.16329 | 0.00000 | 602892.1 | 463952.2 | 0.0 | S |
| 169.525 | 0.0000 | 0.0000 | 81.235 | 0.16328 | 0.00000 | 602892.1 | 463957.1 | 0.0 | S |
| 169.533 | 0.0000 | 0.0000 | 81.235 | 0.16327 | 0.00000 | 602892.1 | 463962.0 | 0.0 | S |
| 169.542 | 0.0000 | 0.0000 | 81.235 | 0.16327 | 0.00000 | 602892.1 | 463966.9 | 0.0 | S |
| 169.550 | 0.0000 | 0.0000 | 81.235 | 0.16326 | 0.00000 | 602892.1 | 463971.8 | 0.0 | S |
| 169.558 | 0.0000 | 0.0000 | 81.235 | 0.16325 | 0.00000 | 602892.1 | 463976.7 | 0.0 | S |
| 169.567 | 0.0000 | 0.0000 | 81.235 | 0.16324 | 0.00000 | 602892.1 | 463981.6 | 0.0 | S |
| 169.575 | 0.0000 | 0.0000 | 81.234 | 0.16323 | 0.00000 | 602892.1 | 463986.5 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{3 / \mathrm{s}}$ ) | Outside Recharge (f/day) | Stage Elevation ( ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overlow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 169.583 | 0.0000 | 0.0000 | 81.234 | 0.16322 | 0.00000 | 602892.1 | 463991.4 | 0.0 | S |
| 169.592 | 0.0000 | 0.0000 | 81.234 | 0.16322 | 0.00000 | 602892.1 | 463996.3 | 0.0 | S |
| 169.600 | 0.0000 | 0.0000 | 81.234 | 0.16321 | 0.00000 | 602892.1 | 464001.2 | 0.0 | S |
| 169.608 | 0.0000 | 0.0000 | 81.234 | 0.16320 | 0.00000 | 602892.1 | 464006.1 | 0.0 | S |
| 169.617 | 0.0000 | 0.0000 | 81.234 | 0.16319 | 0.00000 | 602892.1 | 464011.0 | 0.0 | S |
| 169.625 | 0.0000 | 0.0000 | 81.234 | 0.16318 | 0.00000 | 602892.1 | 464015.8 | 0.0 | S |
| 169.633 | 0.0000 | 0.0000 | 81.234 | 0.16317 | 0.00000 | 602892.1 | 464020.8 | 0.0 | S |
| 169.642 | 0.0000 | 0.0000 | 81.234 | 0.16316 | 0.00000 | 602892.1 | 464025.7 | 0.0 | S |
| 169.650 | 0.0000 | 0.0000 | 81.234 | 0.16316 | 0.00000 | 602892.1 | 464030.5 | 0.0 | S |
| 169.658 | 0.0000 | 0.0000 | 81.233 | 0.16315 | 0.00000 | 602892.1 | 464035.4 | 0.0 | S |
| 169.667 | 0.0000 | 0.0000 | 81.233 | 0.16314 | 0.00000 | 602892.1 | 464040.3 | 0.0 | S |
| 169.675 | 0.0000 | 0.0000 | 81.233 | 0.16313 | 0.00000 | 602892.1 | 464045.2 | 0.0 | S |
| 169.683 | 0.0000 | 0.0000 | 81.233 | 0.16312 | 0.00000 | 602892.1 | 464050.1 | 0.0 | S |
| 169.692 | 0.0000 | 0.0000 | 81.233 | 0.16311 | 0.00000 | 602892.1 | 464055.0 | 0.0 | S |
| 169.700 | 0.0000 | 0.0000 | 81.233 | 0.16311 | 0.00000 | 602892.1 | 464059.9 | 0.0 | S |
| 169.708 | 0.0000 | 0.0000 | 81.233 | 0.16310 | 0.00000 | 602892.1 | 464064.8 | 0.0 | S |
| 169.717 | 0.0000 | 0.0000 | 81.233 | 0.16309 | 0.00000 | 602892.1 | 464069.7 | 0.0 | S |
| 169.725 | 0.0000 | 0.0000 | 81.233 | 0.16308 | 0.00000 | 602892.1 | 464074.6 | 0.0 | S |
| 169.733 | 0.0000 | 0.0000 | 81.233 | 0.16307 | 0.00000 | 602892.1 | 464079.5 | 0.0 | S |
| 169.742 | 0.0000 | 0.0000 | 81.233 | 0.16306 | 0.00000 | 602892.1 | 464084.4 | 0.0 | S |
| 169.750 | 0.0000 | 0.0000 | 81.232 | 0.16305 | 0.00000 | 602892.1 | 464089.3 | 0.0 | S |
| $\{69.758$ | 0.0000 | 0.0000 | 81.232 | 0.16305 | 0.00000 | 602892.1 | 464094.2 | 0.0 | S |
| 169.767 | 0.0000 | 0.0000 | 81.232 | 0.16304 | 0.00000 | 602892.1 | 464099.0 | 0.0 | S |
| 169.775 | 0.0000 | 0.0000 | 81.232 | 0.16303 | 0.00000 | 602892.1 | 464103.9 | 0.0 | S |
| 169.783 | 0.0000 | 0.0000 | 81.232 | 0.16302 | 0.00000 | 602892.1 | 464108.8 | 0.0 | S |
| 169.792 | 0.0000 | 0.0000 | 81.232 | 0.16301 | 0.00000 | 602892.1 | 464113.7 | 0.0 | S |
| 169.800 | 0.0000 | 0.0000 | 81.232 | 0.16300 | 0.00000 | 602892.1 | 464118.6 | 0.0 | S |
| 169.808 | 0.0000 | 0.0000 | 81.232 | 0.16300 | 0.00000 | 602892.1 | 464123.5 | 0.0 | S |
| 169.817 | 0.0000 | 0.0000 | 81.232 | 0.16299 | 0.00000 | 602892.1 | 464128.4 | 0.0 | S |
| 169.825 | 0.0000 | 0.0000 | 81.232 | 0.16298 | 0.00000 | 602892.1 | 464133.3 | 0.0 | S |
| 169.833 | 0.0000 | 0.0000 | 81.232 | 0.16297 | 0.00000 | 602892.1 | 464138.2 | 0.0 | S |
| 169.842 | 0.0000 | 0.0000 | 81.231 | 0.16296 | 0.00000 | 602892.1 | 464143.1 | 0.0 | S |
| 169.850 | 0.0000 | 0.0000 | 81.231 | 0.16295 | 0.00000 | 602892.1 | 464147.9 | 0.0 | S |
| 169.858 | 0.0000 | 0.0000 | 81.231 | 0.16294 | 0.00000 | 602892.1 | 464152.8 | 0.0 | S |
| 169.867 | 0.0000 | 0.0000 | 81.231 | 0.16294 | 0.00000 | 602892.1 | 464157.7 | 0.0 | S |
| 169.875 | 0.0000 | 0.0000 | 81.231 | 0.16293 | 0.00000 | 602892.1 | 464162.6 | 0.0 | S |
| 169.883 | 0.0000 | 0.0000 | 81.231 | 0.16292 | 0.00000 | 602892.1 | 464167.5 | 0.0 | S |
| 169.892 | 0.0000 | 0.0000 | 81.231 | 0.16291 | 0.00000 | 602892.1 | 464172.4 | 0.0 | S |
| 169.900 | 0.0000 | 0.0000 | 81.231 | 0.16290 | 0.00000 | 602892.1 | 464177.3 | 0.0 | S |
| 169.908 | 0.0000 | 0.0000 | 81.231 | 0.16289 | 0.00000 | 602892.1 | 464182.2 | 0.0 | S |
| 169.917 | 0.0000 | 0.0000 | 81.231 | 0.16289 | 0.00000 | 602892.1 | 464187.0 | 0.0 | S |
| 169.925 | 0.0000 | 0.0000 | 81.231 | 0.16288 | 0.00000 | 602892.1 | 464191.9 | 0.0 | S |
| 169.933 | 0.0000 | 0.0000 | 81.230 | 0.16287 | 0.00000 | 602892.1 | 464196.8 | 0.0 | S |
| 169.942 | 0.0000 | 0.0000 | 81.230 | 0.16286 | 0.00000 | 602892.1 | 464201.7 | 0.0 | S |
| 169.950 | 0.0000 | 0.0000 | 81.230 | 0.16285 | 0.00000 | 602892.1 | 464206.6 | 0.0 | S |
| 169.958 | 0.0000 | 0.0000 | 81.230 | 0.16284 | 0.00000 | 602892.1 | 464211.5 | 0.0 | S |
| 169.967 | 0.0000 | 0.0000 | 81.230 | 0.16283 | 0.00000 | 602892.1 | 464216.3 | 0.0 | S |
| 169.975 | 0.0000 | 0.0000 | 81.230 | 0.16283 | 0.00000 | 602892.1 | 464221.3 | 0.0 | S |
| 169.983 | 0.0000 | 0.0000 | 81.230 | 0.16282 | 0.00000 | 602892.1 | 464226.1 | 0.0 | S |
| 169.992 | 0.0000 | 0.0000 | 81.230 | 0.16281 | 0.00000 | 602892.1 | 464231.0 | 0.0 | S |
| 170.000 | 0.0000 | 0.0000 | 81.230 | 0.16280 | 0.00000 | 602892.1 | 464235.9 | 0.0 | S |
| 170.008 | 0.0000 | 0.0000 | 81.230 | 0.16279 | 0.00000 | 602892.1 | 464240.8 | 0.0 | S |
| 170.017 | 0.0000 | 0.0000 | 81.230 | 0.16278 | 0.00000 | 602892.1 | 464245.7 | 0.0 | S |
| 170.025 | 0.0000 | 0.0000 | 81.229 | 0.16278 | 0.00000 | 602892.1 | 464250.5 | 0.0 | S |
| 170.033 | 0.0000 | 0.0000 | 81.229 | 0.16277 | 0.00000 | 602892.1 | 464255.4 | 0.0 | S |
| 170.042 | 0.0000 | 0.0000 | 81.229 | 0.16276 | 0.00000 | 602892.1 | 464260.3 | 0.0 | S |
| 170.050 | 0.0000 | 0.0000 | 81.229 | 0.16275 | 0.00000 | 602892.1 | 464265.2 | 0.0 | S |
| 170.058 | 0.0000 | 0.0000 | 81.229 | 0.16274 | 0.00000 | 602892.1 | 464270.1 | 0.0 | S |
| 170.067 | 0.0000 | 0.0000 | 81.229 | 0.16273 | 0.00000 | 602892.1 | 464275.0 | 0.0 | S |
| 170.075 | 0.0000 | 0.0000 | 81.229 | 0.16272 | 0.00000 | 602892.1 | 464279.8 | 0.0 | S |
| 170.083 | 0.0000 | 0.0000 | 81.229 | 0.16272 | 0.00000 | 602892.1 | 464284.7 | 0.0 | S |
| 170.092 | 0.0000 | 0.0000 | 81.229 | 0.16271 | 0.00000 | 602892.1 | 464289.6 | 0.0 | S |
| 170.100 | 0.0000 | 0.0000 | 81.229 | 0.16270 | 0.00000 | 602892.1 | 464294.5 | 0.0 | S |
| 170.108 | 0.0000 | 0.0000 | 81.228 | 0.16269 | 0.00000 | 602892.1 | 464299.4 | 0.0 | S |
| 170.117 | 0.0000 | 0.0000 | 81.228 | 0.16268 | 0.00000 | 602892.1 | 464304.3 | 0.0 | S |
| 170.125 | 0.0000 | 0.0000 | 81.228 | 0.16267 | 0.00000 | 602892.1 | 464309.1 | 0.0 | S |
| 170.133 | 0.0000 | 0.0000 | 81.228 | 0.16267 | 0.00000 | 602892.1 | 464314.0 | 0.0 | S |
| 170.142 | 0.0000 | 0.0000 | 81.228 | 0.16266 | 0.00000 | 602892.1 | 464318.9 | 0.0 | S |
| 170.150 | 0.0000 | 0.0000 | 81.228 | 0.16265 | 0.00000 | 602892.1 | 464323.8 | 0.0 | S |
| 170.158 | 0.0000 | 0.0000 | 81.228 | 0.16264 | 0.00000 | 602892.1 | 464328.7 | 0.0 | S |
| 170.167 | 0.0000 | 0.0000 | 81.228 | 0.16263 | 0.00000 | 602892.1 | 464333.5 | 0.0 | S |
| 170.175 | 0.0000 | 0.0000 | 81.228 | 0.16262 | 0.00000 | 602892.1 | 464338.4 | 0.0 | S |
| 170.183 | 0.0000 | 0.0000 | 81.228 | 0.16262 | 0.00000 | 602892.1 | 464343.3 | 0.0 | S |
| 170.192 | 0.0000 | 0.0000 | 81.228 | 0.16261 | 0.00000 | 602892.1 | 464348.2 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario $1::$ pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Enflow Rate ( $\mathrm{t}^{3 /} / \mathrm{s}$ ) | Outside Recharge (fl/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 /} \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{rl}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 170.200 | 0.0000 | 0.0000 | 81.227 | 0.16260 | 0.00000 | 602892.1 | 464353.0 | 0.0 | S |
| 170.208 | 0.0000 | 0.0000 | 81.227 | 0.16259 | 0.00000 | 602892.1 | 464357.9 | 0.0 | S |
| 170.217 | 0.0000 | 0.0000 | 81.227 | 0.16258 | 0.00000 | 602892.1 | 464362.8 | 0.0 | S |
| 170.225 | 0.0000 | 0.0000 | 81.227 | 0.16257 | 0.00000 | 602892.1 | 464367.7 | 0.0 | S |
| 170.233 | 0.0000 | 0.0000 | 81.227 | 0.16256 | 0.00000 | 602892.1 | 464372.5 | 0.0 | S |
| 170.242 | 0.0000 | 0.0000 | 81.227 | 0.16256 | 0.00000 | 602892.1 | 464377.4 | 0.0 | S |
| 170.250 | 0.0000 | 0.0000 | 81.227 | 0.16255 | 0.00000 | 602892.1 | 464382.3 | 0.0 | S |
| 170.258 | 0.0000 | 0.0000 | 81.227 | 0.16254 | 0.00000 | 602892.1 | 464387.2 | 0.0 | S |
| 170.267 | 0.0000 | 0.0000 | 81.227 | 0.16253 | 0.00000 | 602892.1 | 464392.1 | 0.0 | S |
| 170.275 | 0.0000 | 0.0000 | 81.227 | 0.16252 | 0.00000 | 602892.1 | 464396.9 | 0.0 | S |
| 170.283 | 0.0000 | 0.0000 | 81.227 | 0.16251 | 0.00000 | 602892.1 | 464401.8 | 0.0 | S |
| 170.292 | 0.0000 | 0.0000 | 81.226 | 0.16251 | 0.00000 | 602892.1 | 464406.7 | 0.0 | S |
| 170.300 | 0.0000 | 0.0000 | 81.226 | 0.16250 | 0.00000 | 602892.1 | 464411.6 | 0.0 | S |
| 170.308 | 0.0000 | 0.0000 | 81.226 | 0.16249 | 0.00000 | 602892.1 | 464416.4 | 0.0 | S |
| 170.317 | 0.0000 | 0.0000 | 81.226 | 0.16248 | 0.00000 | 602892.1 | 464421.3 | 0.0 | S |
| 170.325 | 0.0000 | 0.0000 | 81.226 | 0.16247 | 0.00000 | 602892.1 | 464426.2 | 0.0 | S |
| 170.333 | 0.0000 | 0.0000 | 81.226 | 0.16246 | 0.00000 | 602892.1 | 464431.1 | 0.0 | S |
| 170.342 | 0.0000 | 0.0000 | 81.226 | 0.16246 | 0.00000 | 602892.1 | 464435.9 | 0.0 | S |
| 170.350 | 0.0000 | 0.0000 | 81.226 | 0.16245 | 0.00000 | 602892.1 | 464440.8 | 0.0 | S |
| 170.358 | 0.0000 | 0.0000 | 81.226 | 0.16244 | 0.00000 | 602892.1 | 464445.7 | 0.0 | S |
| 170.367 | 0.0000 | 0.0000 | 81.226 | 0.16243 | 0.00000 | 602892.1 | 464450.5 | 0.0 | S |
| 170.375 | 0.0000 | 0.0000 | 81.226 | 0.16242 | 0.00000 | 602892.1 | 464455.4 | 0.0 | S |
| 170.383 | 0.0000 | 0.0000 | 81.225 | 0.16241 | 0.00000 | 602892.1 | 464460.3 | 0.0 | S |
| 170.392 | 0.0000 | 0.0000 | 81.225 | 0.16240 | 0.00000 | 602892.1 | 464465.2 | 0.0 | S |
| 170.400 | 0.0000 | 0.0000 | 81.225 | 0.16240 | 0.00000 | 602892.1 | 464470.0 | 0.0 | S |
| 170.408 | 0.0000 | 0.0000 | 81.225 | 0.16239 | 0.00000 | 602892.1 | 464474.9 | 0.0 | S |
| 170.417 | 0.0000 | 0.0000 | 81.225 | 0.16238 | 0.00000 | 602892.1 | 464479.8 | 0.0 | S |
| 170.425 | 0.0000 | 0.0000 | 81.225 | 0.16237 | 0.00000 | 602892.1 | 464484.7 | 0.0 | S |
| 170.433 | 0.0000 | 0.0000 | 81.225 | 0.16236 | 0.00000 | 602892.1 | 464489.5 | 0.0 | S |
| 170.442 | 0.0000 | 0.0000 | 81.225 | 0.16235 | 0.00000 | 602892.1 | 464494.4 | 0.0 | S |
| 170.450 | 0.0000 | 0.0000 | 81.225 | 0.16235 | 0.00000 | 602892.1 | 464499.3 | 0.0 | S |
| 170.458 | 0.0000 | 0.0000 | 81.225 | 0.16234 | 0.00000 | 602892.1 | 464504.1 | 0.0 | S |
| 170.467 | 0.0000 | 0.0000 | 81.224 | 0.16233 | 0.00000 | 602892.1 | 464509.0 | 0.0 | S |
| 170.475 | 0.0000 | 0.0000 | 81.224 | 0.16232 | 0.00000 | 602892.1 | 464513.9 | 0.0 | S |
| 170.483 | 0.0000 | 0.0000 | 81.224 | 0.16231 | 0.00000 | 602892.1 | 464518.8 | 0.0 | S |
| 170.492 | 0.0000 | 0.0000 | 81.224 | 0.16230 | 0.00000 | 602892.1 | 464523.6 | 0.0 | S |
| 170.500 | 0.0000 | 0.0000 | 81.224 | 0.16230 | 0.00000 | 602892.1 | 464528.5 | 0.0 | S |
| 170.508 | 0.0000 | 0.0000 | 81.224 | 0.16229 | 0.00000 | 602892.1 | 464533.3 | 0.0 | S |
| \$70.517 | 0.0000 | 0.0000 | 81.224 | 0.16228 | 0.00000 | 602892.1 | 464538.2 | 0.0 | S |
| $\$ 70.525$ | 0.0000 | 0.0000 | 81.224 | 0.16227 | 0.00000 | 602892.1 | 464543.1 | 0.0 | S |
| 170.533 | 0.0000 | 0.0000 | 81.224 | 0.16226 | 0.00000 | 602892.1 | 464547.9 | 0.0 | S |
| 170.542 | 0.0000 | 0.0000 | 81.224 | 0.16225 | 0.00000 | 602892.1 | 464552.8 | 0.0 | S |
| 170.550 | 0.0000 | 0.0000 | 81.224 | 0.16225 | 0.00000 | 602892.1 | 464557.7 | 0.0 | S |
| 170.558 | 0.0000 | 0.0000 | 81.223 | 0.16224 | 0.00000 | 602892.1 | 464562.6 | 0.0 | S |
| 170.567 | 0.0000 | 0.0000 | 81.223 | 0.16223 | 0.00000 | 602892.1 | 464567.4 | 0.0 | S |
| 170.575 | 0.0000 | 0.0000 | 81.223 | 0.16222 | 0.00000 | 602892.1 | 464572.3 | 0.0 | S |
| 170.583 | 0.0000 | 0.0000 | 81.223 | 0.16221 | 0.00000 | 602892.1 | 464577.2 | 0.0 | S |
| 170.592 | 0.0000 | 0.0000 | 81.223 | 0.16220 | 0.00000 | 602892.1 | 464582.0 | 0.0 | S |
| 170.600 | 0.0000 | 0.0000 | 81.223 | 0.16219 | 0.00000 | 602892.1 | 464586.9 | 0.0 | S |
| 170.608 | 0.0000 | 0.0000 | 81.223 | 0.16219 | 0.00000 | 602892.1 | 464591.8 | 0.0 | S |
| 170.617 | 0.0000 | 0.0000 | 81.223 | 0.16218 | 0.00000 | 602892.1 | 464596.6 | 0.0 | S |
| $\uparrow 70.625$ | 0.0000 | 0.0000 | 81.223 | 0.16217 | 0.00000 | 602892.1 | 464601.5 | 0.0 | S |
| 170.633 | 0.0000 | 0.0000 | 81.223 | 0.16216 | 0.00000 | 602892.1 | 464606.3 | 0.0 | S |
| 170.642 | 0.0000 | 0.0000 | 81.223 | 0.16215 | 0.00000 | 602892.1 | 464611.2 | 0.0 | S |
| 170.650 | 0.0000 | 0.0000 | 81.222 | 0.16214 | 0.00000 | 602892.1 | 464616.1 | 0.0 | S |
| 170.658 | 0.0000 | 0.0000 | 81.222 | 0.16214 | 0.00000 | 602892.1 | 464620.9 | 0.0 | S |
| 170.667 | 0.0000 | 0.0000 | 81.222 | 0.16213 | 0.00000 | 602892.1 | 464625.8 | 0.0 | S |
| 170.675 | 0.0000 | 0.0000 | 81.222 | 0.16212 | 0.00000 | 602892.1 | 464630.7 | 0.0 | S |
| 170.683 | 0.0000 | 0.0000 | 81.222 | 0.16211 | 0.00000 | 602892.1 | 464635.5 | 0.0 | S |
| 170.692 | 0.0000 | 0.0000 | 81.222 | 0.16210 | 0.00000 | 602892.1 | 464640.4 | 0.0 | S |
| 170.700 | 0.0000 | 0.0000 | 81.222 | 0.16209 | 0.00000 | 602892.1 | 464645.3 | 0.0 | S |
| 170.708 | 0.0000 | 0.0000 | 81.222 | 0.16209 | 0.00000 | 602892.1 | 464650.1 | 0.0 | S |
| 170.717 | 0.0000 | 0.0000 | 81.222 | 0.16208 | 0.00000 | 602892.1 | 464655.0 | 0.0 | S |
| 170.725 | 0.0000 | 0.0000 | 81.222 | 0.16207 | 0.00000 | 602892.1 | 464659.8 | 0.0 | S |
| 170.733 | 0.0000 | 0.0000 | 81.222 | 0.16206 | 0.00000 | 602892.1 | 464664.7 | 0.0 | S |
| 170.742 | 0.0000 | 0.0000 | 81.221 | 0.16205 | 0.00000 | 602892.1 | 464669.6 | 0.0 | S |
| 170.750 | 0.0000 | 0.0000 | 81.221 | 0.16204 | 0.00000 | 602892.1 | 464674.4 | 0.0 | S |
| 170.758 | 0.0000 | 0.0000 | 81.221 | 0.16204 | 0.00000 | 602892.1 | 464679.3 | 0.0 | S |
| 170.767 | 0.0000 | 0.0000 | 81.221 | 0.16203 | 0.00000 | 602892.1 | 464684.2 | 0.0 | S |
| 170.775 | 0.0000 | 0.0000 | 81.221 | 0.16202 | 0.00000 | 602892.1 | 464689.0 | 0.0 | S |
| 170.783 | 0.0000 | 0.0000 | 81.221 | 0.16201 | 0.00000 | 602892.1 | 464693.9 | 0.0 | S |
| 170.792 | 0.0000 | 0.0000 | 81.221 | 0.16200 | 0.00000 | 602892.1 | 464698.7 | 0.0 | S |
| 170.800 | 0.0000 | 0.0000 | 81.221 | 0.16199 | 0.00000 | 602892.1 | 464703.6 | 0.0 | S |
| 170.808 | 0.0000 | 0.0000 | 81.221 | 0.16199 | 0.00000 | 602892.1 | 464708.5 | 0.0 | S |

PONDS Version 3.2.0207

# Retention Pond Recovery - Refined Method Copyright 2003 

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (fl datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Voiume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 170.817 | 0.0000 | 0.0000 | 81.221 | 0.16198 | 0.00000 | 602892.1 | 464713.3 | 0.0 | S |
| 170.825 | 0.0000 | 0.0000 | 81.221 | 0.16197 | 0.00000 | 602892.1 | 464718.2 | 0.0 | S |
| 170.833 | 0.0000 | 0.0000 | 81.220 | 0.16196 | 0.00000 | 602892.1 | 464723.0 | 0.0 | S |
| 170.842 | 0.0000 | 0.0000 | 81.220 | 0.16195 | 0.00000 | 602892.1 | 464727.9 | 0.0 | S |
| 170.850 | 0.0000 | 0.0000 | 81.220 | 0.16194 | 0.00000 | 602892.1 | 464732.8 | 0.0 | S |
| 170.858 | 0.0000 | 0.0000 | 81.220 | 0.16194 | 0.00000 | 602892.1 | 464737.6 | 0.0 | S |
| 170.867 | 0.0000 | 0.0000 | 81.220 | 0.16193 | 0.00000 | 602892.1 | 464742.5 | 0.0 | S |
| 170.875 | 0.0000 | 0.0000 | 81.220 | 0.16192 | 0.00000 | 602892.1 | 464747.3 | 0.0 | S |
| 170.883 | 0.0000 | 0.0000 | 81.220 | 0.16191 | 0.00000 | 602892.1 | 464752.2 | 0.0 | S |
| 170.892 | 0.0000 | 0.0000 | 81.220 | 0.16190 | 0.00000 | 602892.7 | 464757.0 | 0.0 | S |
| 170.900 | 0.0000 | 0.0000 | 81.220 | 0.16189 | 0.00000 | 602892.1 | 464761.9 | 0.0 | S |
| 170.908 | 0.0000 | 0.0000 | 81.220 | 0.16188 | 0.00000 | 602892.1 | 464766.8 | 0.0 | S |
| 170.917 | 0.0000 | 0.0000 | 81.220 | 0.16188 | 0.00000 | 602892.1 | 464771.6 | 0.0 | S |
| 170.925 | 0.0000 | 0.0000 | 81.219 | 0.16187 | 0.00000 | 602892.1 | 464776.5 | 0.0 | S |
| 170.933 | 0.0000 | 0.0000 | 81.219 | 0.16186 | 0.00000 | 602892.1 | 464781.3 | 0.0 | S |
| 170.942 | 0.0000 | 0.0000 | 81.219 | 0.16185 | 0.00000 | 602892.1 | 464786.2 | 0.0 | S |
| 170.950 | 0.0000 | 0.0000 | 81.219 | 0.16184 | 0.00000 | 602892.1 | 464791.0 | 0.0 | S |
| 170.958 | 0.0000 | 0.0000 | 81.219 | 0.16183 | 0.00000 | 602892.1 | 464795.9 | 0.0 | S |
| 170.967 | 0.0000 | 0.0000 | 81.219 | 0.16183 | 0.00000 | 602892.1 | 464800.8 | 0.0 | S |
| 170.975 | 0.0000 | 0.0000 | 81.219 | 0.16182 | 0.00000 | 602892.1 | 464805.6 | 0.0 | S |
| 170.983 | 0.0000 | 0.0000 | 81.219 | 0.16181 | 0.00000 | 602892.1 | 464810.4 | 0.0 | S |
| 170.992 | 0.0000 | 0.0000 | 81.219 | 0.16180 | 0.00000 | 602892.1 | 464815.3 | 0.0 | S |
| 171.000 | 0.0000 | 0.0000 | 81.219 | 0.16179 | 0.00000 | 602892.1 | 464820.2 | 0.0 | S |
| 171.008 | 0.0000 | 0.0000 | 81.218 | 0.16178 | 0.00000 | 602892.1 | 464825.0 | 0.0 | S |
| 171.017 | 0.0000 | 0.0000 | 81.218 | 0.16178 | 0.00000 | 602892.1 | 464829.9 | 0.0 | S |
| 171.025 | 0.0000 | 0.0000 | 81.218 | 0.16177 | 0.00000 | 602892.1 | 464834.7 | 0.0 | S |
| 171.033 | 0.0000 | 0.0000 | 81.218 | 0.16176 | 0.00000 | 602892.1 | 464839.6 | 0.0 | S |
| 171.042 | 0.0000 | 0.0000 | 81.218 | 0.16175 | 0.00000 | 602892.1 | 464844.4 | 0.0 | S |
| 171.050 | 0.0000 | 0.0000 | 81.218 | 0.16174 | 0.00000 | 602892.1 | 464849.3 | 0.0 | S |
| 171.058 | 0.0000 | 0.0000 | 81.218 | 0.16173 | 0.00000 | 602892.1 | 464854.1 | 0.0 | S |
| 171.067 | 0.0000 | 0.0000 | 81.218 | 0.16173 | 0.00000 | 602892.1 | 464859.0 | 0.0 | S |
| 171.075 | 0.0000 | 0.0000 | 81.218 | 0.16172 | 0.00000 | 602892.1 | 464863.8 | 0.0 | S |
| 171.083 | 0.0000 | 0.0000 | 81.218 | 0.16171 | 0.00000 | 602892.1 | 464868.7 | 0.0 | S |
| 171.092 | 0.0000 | 0.0000 | 81.218 | 0.16170 | 0.00000 | 602892.1 | 464873.5 | 0.0 | S |
| 171.100 | 0.0000 | 0.0000 | 81.217 | 0.16169 | 0.00000 | 602892.1 | 464878.4 | 0.0 | S |
| 171.108 | 0.0000 | 0.0000 | 81.217 | 0.16168 | 0.00000 | 602892.1 | 464883.3 | 0.0 | S |
| 171.117 | 0.0000 | 0.0000 | 81.217 | 0.16168 | 0.00000 | 602892.1 | 464888.1 | 0.0 | S |
| 171.125 | 0.0000 | 0.0000 | 81.217 | 0.16167 | 0.00000 | 602892.1 | 464892.9 | 0.0 | S |
| 171.133 | 0.0000 | 0.0000 | 81.217 | 0.16166 | 0.00000 | 602892.1 | 464897.8 | 0.0 | S |
| 171.142 | 0.0000 | 0.0000 | 81.217 | 0.16165 | 0.00000 | 602892.1 | 464902.6 | 0.0 | S |
| 171.150 | 0.0000 | 0.0000 | 81.217 | 0.16164 | 0.00000 | 602892.1 | 464907.5 | 0.0 | S |
| 171.158 | 0.0000 | 0.0000 | 81.217 | 0.16163 | 0.00000 | 602892.1 | 464912.3 | 0.0 | S |
| 171.167 | 0.0000 | 0.0000 | 81.217 | 0.16163 | 0.00000 | 602892.1 | 464917.2 | 0.0 | S |
| 171.175 | 0.0000 | 0.0000 | 81.217 | 0.16162 | 0.00000 | 602892.1 | 464922.0 | 0.0 | S |
| 171.183 | 0.0000 | 0.0000 | 81.217 | 0.16161 | 0.00000 | 602892.1 | 464926.9 | 0.0 | S |
| 171.192 | 0.0000 | 0.0000 | 81.216 | 0.16160 | 0.00000 | 602892.1 | 464931.7 | 0.0 | S |
| 171.200 | 0.0000 | 0.0000 | 81.216 | 0.16159 | 0.00000 | 602892.1 | 464936.6 | 0.0 | S |
| 171.208 | 0.0000 | 0.0000 | 81.216 | 0.16158 | 0.00000 | 602892.1 | 464941.4 | 0.0 | S |
| 171.217 | 0.0000 | 0.0000 | 81.216 | 0.16158 | 0.00000 | 602892.1 | 464946.3 | 0.0 | S |
| 171.225 | 0.0000 | 0.0000 | 81.216 | 0.16157 | 0.00000 | 602892.1 | 464951.1 | 0.0 | S |
| 171.233 | 0.0000 | 0.0000 | 81.216 | 0.16156 | 0.00000 | 602892.1 | 464956.0 | 0.0 | S |
| $\$ 71.242$ | 0.0000 | 0.0000 | 81.216 | 0.16155 | 0.00000 | 602892.1 | 464960.8 | 0.0 | S |
| 171.250 | 0.0000 | 0.0000 | 81.216 | 0.16154 | 0.00000 | 602892.1 | 464965.7 | 0.0 | S |
| 171.258 | 0.0000 | 0.0000 | 81.216 | 0.16153 | 0.00000 | 602892.1 | 464970.5 | 0.0 | S |
| 171.267 | 0.0000 | 0.0000 | 81.216 | 0.16153 | 0.00000 | 602892.1 | 464975.3 | 0.0 | S |
| 171.275 | 0.0000 | 0.0000 | 81.216 | 0.16152 | 0.00000 | 602892.1 | 464980.2 | 0.0 | S |
| 171.283 | 0.0000 | 0.0000 | 81.215 | 0.16151 | 0.00000 | 602892.1 | 464985.0 | 0.0 | S |
| 171.292 | 0.0000 | 0.0000 | 81.215 | 0.16150 | 0.00000 | 602892.1 | 464989.9 | 0.0 | S |
| 171.300 | 0.0000 | 0.0000 | 81.215 | 0.16149 | 0.00000 | 602892.1 | 464994.7 | 0.0 | S |
| 171.308 | 0.0000 | 0.0000 | 81.215 | 0.16148 | 0.00000 | 602892.1 | 464999.6 | 0.0 | S |
| 171.317 | 0.0000 | 0.0000 | 81.215 | 0.16148 | 0.00000 | 602892.1 | 465004.4 | 0.0 | S |
| 171.325 | 0.0000 | 0.0000 | 81.215 | 0.16147 | 0.00000 | 602892.1 | 465009.3 | 0.0 | S |
| 171.333 | 0.0000 | 0.0000 | 81.215 | 0.16146 | 0.00000 | 602892.1 | 465014.1 | 0.0 | S |
| 171.342 | 0.0000 | 0.0000 | 81.215 | 0.16145 | 0.00000 | 602892.1 | 465018.9 | 0.0 | S |
| 171.350 | 0.0000 | 0.0000 | 81.215 | 0.16144 | 0.00000 | 602892.1 | 465023.8 | 0.0 | S |
| 171.358 | 0.0000 | 0.0000 | 81.215 | 0.16143 | 0.00000 | 602892.1 | 465028.6 | 0.0 | S |
| 171.367 | 0.0000 | 0.0000 | 81.215 | 0.16143 | 0.00000 | 602892.1 | 465033.5 | 0.0 | S |
| 171.375 | 0.0000 | 0.0000 | 81.214 | 0.16142 | 0.00000 | 602892.1 | 465038.3 | 0.0 | S |
| 171.383 | 0.0000 | 0.0000 | 81.214 | 0.16141 | 0.00000 | 602892.1 | 465043.2 | 0.0 | S |
| 171.392 | 0.0000 | 0.0000 | 81.214 | 0.16140 | 0.00000 | 602892.1 | 465048.0 | 0.0 | S |
| 171.400 | 0.0000 | 0.0000 | 81.214 | 0.16139 | 0.00000 | 602892.1 | 465052.8 | 0.0 | S |
| 171.408 | 0.0000 | 0.0000 | 81.214 | 0.16138 | 0.00000 | 602892.4 | 465057.7 | 0.0 | S |
| 171.417 | 0.0000 | 0.0000 | 81.214 | 0.16138 | 0.00000 | 602892.1 | 465062.5 | 0.0 | S |
| 171.425 | 0.0000 | 0.0000 | 81.214 | 0.16137 | 0.00000 | 602892.1 | 465067.4 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{t}^{1} / \mathrm{s}$ ) | Outside Recharge (It/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Overfiow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume (ft) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 171.433 | 0.0000 | 0.0000 | 81.214 | 0.16136 | 0.00000 | 602892.1 | 465072.2 | 0.0 | S |
| 171.442 | 0.0000 | 0.0000 | 81.214 | 0.16135 | 0.00000 | 602892.1 | 465077.1 | 0.0 | S |
| 171.450 | 0.0000 | 0.0000 | 81.214 | 0.16134 | 0.00000 | 602892.1 | 465081.9 | 0.0 | S |
| 171.458 | 0.0000 | 0.0000 | 81.214 | 0.16133 | 0.00000 | 602892.1 | 465086.8 | 0.0 | S |
| 171.467 | 0.0000 | 0.0000 | 81.213 | 0.16133 | 0.00000 | 602892.1 | 465091.6 | 0.0 | S |
| 171.475 | 0.0000 | 0.0000 | 81.213 | 0.16132 | 0.00000 | 602892.1 | 465096.4 | 0.0 | S |
| 171.483 | 0.0000 | 0.0000 | 81.213 | 0.16131 | 0.00000 | 602892.1 | 465101.3 | 0.0 | S |
| 171.492 | 0.0000 | 0.0000 | 81.213 | 0.16130 | 0.00000 | 602892.1 | 465106.1 | 0.0 | S |
| 171.500 | 0.0000 | 0.0000 | 81.213 | 0.16129 | 0.00000 | 602892.1 | 465110.9 | 0.0 | S |
| 171.508 | 0.0000 | 0.0000 | 81.213 | 0.16128 | 0.00000 | 602892.1 | 465115.8 | 0.0 | S |
| 171.517 | 0.0000 | 0.0000 | 81.213 | 0.16128 | 0.00000 | 602892.1 | 465120.6 | 0.0 | S |
| 171.525 | 0.0000 | 0.0000 | 81.213 | 0.16127 | 0.00000 | 602892.1 | 465125.4 | 0.0 | S |
| 171.533 | 0.0000 | 0.0000 | 81.213 | 0.16126 | 0.00000 | 602892.1 | 465130.3 | 0.0 | S |
| 171.542 | 0.0000 | 0.0000 | 81.213 | 0.16125 | 0.00000 | 602892.1 | 465135.1 | 0.0 | S |
| 171.550 | 0.0000 | 0.0000 | 81.213 | 0.16124 | 0.00000 | 602892.1 | 465140.0 | 0.0 | S |
| 171.558 | 0.0000 | 0.0000 | 81.212 | 0.16124 | 0.00000 | 602892.1 | 465144.8 | 0.0 | S |
| 171.567 | 0.0000 | 0.0000 | 81.212 | 0.16123 | 0.00000 | 602892.1 | 465149.6 | 0.0 | S |
| 171.575 | 0.0000 | 0.0000 | 81.212 | 0.16122 | 0.00000 | 602892.1 | 465154.5 | 0.0 | S |
| 171.583 | 0.0000 | 0.0000 | 81.212 | 0.16121 | 0.00000 | 602892.1 | 465159.3 | 0.0 | S |
| 171.592 | 0.0000 | 0.0000 | 81.212 | 0.16120 | 0.00000 | 602892.1 | 465164.2 | 0.0 | S |
| 171.600 | 0.0000 | 0.0000 | 81.212 | 0.16119 | 0.00000 | 602892.1 | 465169.0 | 0.0 | S |
| 171.608 | 0.0000 | 0.0000 | 81.212 | 0.16119 | 0.00000 | 602892.1 | 465173.8 | 0.0 | S |
| 171.617 | 0.0000 | 0.0000 | 81.212 | 0.16118 | 0.00000 | 602892.1 | 465178.7 | 0.0 | S |
| 171.625 | 0.0000 | 0.0000 | 81.212 | 0.16117 | 0.00000 | 602892.1 | 465183.5 | 0.0 | S |
| 171.633 | 0.0000 | 0.0000 | 81.212 | 0.16116 | 0.00000 | 602892.1 | 465188.3 | 0.0 | S |
| 171.642 | 0.0000 | 0.0000 | 81.211 | 0.16115 | 0.00000 | 602892.1 | 465193.2 | 0.0 | 5 |
| 171.650 | 0.0000 | 0.0000 | 81.211 | 0.16114 | 0.00000 | 602892.1 | 465198.0 | 0.0 | S |
| 171.658 | 0.0000 | 0.0000 | 81.211 | 0.16114 | 0.00000 | 602892.1 | 465202.8 | 0.0 | S |
| 171.667 | 0.0000 | 0.0000 | 81.211 | 0.16113 | 0.00000 | 602892.1 | 465207.7 | 0.0 | S |
| 171.675 | 0.0000 | 0.0000 | 81.211 | 0.16112 | 0.00000 | 602892.1 | 465212.5 | 0.0 | S |
| 171.683 | 0.0000 | 0.0000 | 81.211 | 0.16111 | 0.00000 | 602892.1 | 465217.3 | 0.0 | S |
| 171.692 | 0.0000 | 0.0000 | 81.211 | 0.16110 | 0.00000 | 602892.1 | 465222.2 | 0.0 | S |
| 171.700 | 0.0000 | 0.0000 | 81.211 | 0.16109 | 0.00000 | 602892.1 | 465227.0 | 0.0 | S |
| 171.708 | 0.0000 | 0.0000 | 81.211 | 0.16109 | 0.00000 | 602892.1 | 465231.8 | 0.0 | S |
| 171.717 | 0.0000 | 0.0000 | 81.211 | 0.16108 | 0.00000 | 602892.1 | 465236.7 | 0.0 | S |
| 171.725 | 0.0000 | 0.0000 | 81.211 | 0.16107 | 0.00000 | 602892.1 | 465241.5 | 0.0 | S |
| 171.733 | 0.0000 | 0.0000 | 81.210 | 0.16106 | 0.00000 | 602892.1 | 465246.3 | 0.0 | S |
| 171.742 | 0.0000 | 0.0000 | 81.210 | 0.16105 | 0.00000 | 602892.1 | 465251.2 | 0.0 | S |
| 171.750 | 0.0000 | 0.0000 | 81.210 | 0.16104 | 0.00000 | 602892.1 | 465256.0 | 0.0 | S |
| 171.758 | 0.0000 | 0.0000 | 81.210 | 0.16104 | 0.00000 | 602892.1 | 465260.8 | 0.0 | S |
| 171.767 | 0.0000 | 0.0000 | 81.210 | 0.16103 | 0.00000 | 602892.1 | 465265.7 | 0.0 | S |
| 171.775 | 0.0000 | 0.0000 | 81.210 | 0.16102 | 0.00000 | 602892.1 | 465270.5 | 0.0 | S |
| 171.783 | 0.0000 | 0.0000 | 81.210 | 0.16101 | 0.00000 | 602892.1 | 465275.3 | 0.0 | S |
| 171.792 | 0.0000 | 0.0000 | 81.210 | 0.16100 | 0.00000 | 602892.1 | 465280.1 | 0.0 | S |
| 171.800 | 0.0000 | 0.0000 | 81.210 | 0.16099 | 0.00000 | 602892.1 | 465285.0 | 0.0 | S |
| 171.808 | 0.0000 | 0.0000 | 81.210 | 0.16099 | 0.00000 | 602892.1 | 465289.8 | 0.0 | S |
| 171.817 | 0.0000 | 0.0000 | 81.210 | 0.16098 | 0.00000 | 602892.1 | 465294.6 | 0.0 | S |
| 171.825 | 0.0000 | 0.0000 | 81.209 | 0.16097 | 0.00000 | 602892.1 | 465299.5 | 0.0 | S |
| 171.833 | 0.0000 | 0.0000 | 81.209 | 0.16096 | 0.00000 | 602892.1 | 465304.3 | 0.0 | S |
| 171.842 | 0.0000 | 0.0000 | 81.209 | 0.16095 | 0.00000 | 602892.1 | 465309.1 | 0.0 | S |
| 171.850 | 0.0000 | 0.0000 | 81.209 | 0.16095 | 0.00000 | 602892.1 | 465313.9 | 0.0 | S |
| 171.858 | 0.0000 | 0.0000 | 81.209 | 0.16094 | 0.00000 | 602892.1 | 465318.8 | 0.0 | S |
| 171.867 | 0.0000 | 0.0000 | 81.209 | 0.16093 | 0.00000 | 602892.1 | 465323.6 | 0.0 | S |
| 171.875 | 0.0000 | 0.0000 | 81.209 | 0.16092 | 0.00000 | 602892.1 | 465328.4 | 0.0 | S |
| 171.883 | 0.0000 | 0.0000 | 81.209 | 0.16091 | 0.00000 | 602892.1 | 465333.3 | 0.0 | S |
| 171.892 | 0.0000 | 0.0000 | 81.209 | 0.16090 | 0.00000 | 602892.1 | 465338.1 | 0.0 | S |
| 171.900 | 0.0000 | 0.0000 | 81.209 | 0.16090 | 0.00000 | 602892.1 | 465342.9 | 0.0 | S |
| 171.908 | 0.0000 | 0.0000 | 81.209 | 0.16089 | 0.00000 | 602892.1 | 465347.8 | 0.0 | S |
| 171.917 | 0.0000 | 0.0000 | 81.208 | 0.16088 | 0.00000 | 602892.1 | 465352.6 | 0.0 | S |
| 171.925 | 0.0000 | 0.0000 | 81.208 | 0.16087 | 0.00000 | 602892.1 | 465357.4 | 0.0 | S |
| 171.933 | 0.0000 | 0.0000 | 81.208 | 0.16086 | 0.00000 | 602892.1 | 465362.2 | 0.0 | S |
| 171.942 | 0.0000 | 0.0000 | 81.208 | 0.16085 | 0.00000 | 602892.1 | 465367.0 | 0.0 | S |
| 171.950 | 0.0000 | 0.0000 | 81.208 | 0.16085 | 0.00000 | 602892.1 | 465371.9 | 0.0 | S |
| 171.958 | 0.0000 | 0.0000 | 81.208 | 0.16084 | 0.00000 | 602892.1 | 465376.7 | 0.0 | 5 |
| 171.967 | 0.0000 | 0.0000 | 81.208 | 0.16083 | 0.00000 | 602892.1 | 465381.5 | 0.0 | S |
| 171.975 | 0.0000 | 0.0000 | 81.208 | 0.16082 | 0.00000 | 602892.1 | 465386.3 | 0.0 | 5 |
| 171.983 | 0.0000 | 0.0000 | 81.208 | 0.16081 | 0.00000 | 602892.1 | 465391.2 | 0.0 | S |
| 171.992 | 0.0000 | 0.0000 | 81.208 | 0.16080 | 0.00000 | 602892.1 | 465396.0 | 0.0 | S |
| 172.000 | 0.0000 | 0.0000 | 81.208 | 0.16080 | 0.00000 | 602892.1 | 465400.8 | 0.0 | S |
| 172.008 | 0.0000 | 0.0000 | 81.207 | 0.16079 | 0.00000 | 602892.1 | 465405.6 | 0.0 | S |
| 172.017 | 0.0000 | 0.0000 | 81.207 | 0.16078 | 0.00000 | 602892.1 | 465410.5 | 0.0 | S |
| 172.025 | 0.0000 | 0.0000 | 81.207 | 0.16077 | 0.00000 | 602892.1 | 465415.3 | 0.0 | S |
| 172.033 | 0.0000 | 0.0000 | 81.207 | 0.16076 | 0.00000 | 602892.1 | 465420.1 | 0.0 | S |
| $\$ 72.042$ | 0.0000 | 0.0000 | 81.207 | 0.16075 | 0.00000 | 602892.1 | 465424.9 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario $1::$ pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overiow Discharge ( $\mathrm{t}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume $\left\langle\mathrm{t}^{3}\right.$ ) | Cumulative Discharge Volume ( $\mathrm{ff}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 172.050 | 0.0000 | 0.0000 | 81.207 | 0.16075 | 0.00000 | 602892.1 | 465429.8 | 0.0 | S |
| 172.058 | 0.0000 | 0.0000 | 81.207 | 0.16074 | 0.00000 | 602892.1 | 465434.6 | 0.0 | S |
| 172.067 | 0.0000 | 0.0000 | 81.207 | 0.16073 | 0.00000 | 602892.1 | 465439.4 | 0.0 | S |
| 172.075 | 0.0000 | 0.0000 | 81.207 | 0.16072 | 0.00000 | 602892.1 | 465444.2 | 0.0 | S |
| 172.083 | 0.0000 | 0.0000 | 81.207 | 0.16071 | 0.00000 | 602892.1 | 465449.0 | 0.0 | S |
| 172.092 | 0.0000 | 0.0000 | 81.207 | 0.16071 | 0.00000 | 602892.1 | 465453.9 | 0.0 | S |
| 172.100 | 0.0000 | 0.0000 | 81.206 | 0.16070 | 0.00000 | 602892.1 | 465458.7 | 0.0 | S |
| 172.108 | 0.0000 | 0.0000 | 81.206 | 0.16069 | 0.00000 | 602892.1 | 465463.5 | 0.0 | S |
| 172.117 | 0.0000 | 0.0000 | 81.206 | 0.16068 | 0.00000 | 602892.1 | 465468.3 | 0.0 | S |
| 172.125 | 0.0000 | 0.0000 | 81.206 | 0.16067 | 0.00000 | 602892.1 | 465473.2 | 0.0 | S |
| 172.133 | 0.0000 | 0.0000 | 81.206 | 0.16066 | 0.00000 | 602892.1 | 465478.0 | 0.0 | S |
| 172.142 | 0.0000 | 0.0000 | 81.206 | 0.16066 | 0.00000 | 602892.1 | 465482.8 | 0.0 | S |
| 172.150 | 0.0000 | 0.0000 | 81.206 | 0.16065 | 0.00000 | 602892.1 | 465487.6 | 0.0 | S |
| 172.158 | 0.0000 | 0.0000 | 81.206 | 0.16064 | 0.00000 | 602892.1 | 465492.4 | 0.0 | S |
| 172.167 | 0.0000 | 0.0000 | 81.206 | 0.16063 | 0.00000 | 602892.1 | 465497.3 | 0.0 | S |
| 172.175 | 0.0000 | 0.0000 | 81.206 | 0.16062 | 0.00000 | 602892.1 | 465502.1 | 0.0 | S |
| 172.183 | 0.0000 | 0.0000 | 81.206 | 0.16081 | 0.00000 | 602892.1 | 465506.9 | 0.0 | S |
| 172.192 | 0.0000 | 0.0000 | 81.205 | 0.16061 | 0.00000 | 602892.1 | 465511.7 | 0.0 | S |
| 172.200 | 0.0000 | 0.0000 | 81.205 | 0.16060 | 0.00000 | 602892.1 | 465516.5 | 0.0 | S |
| 172.208 | 0.0000 | 0.0000 | 81.205 | 0.16059 | 0.00000 | 602892.1 | 465521.3 | 0.0 | S |
| 172.217 | 0.0000 | 0.0000 | 81.205 | 0.16058 | 0.00000 | 602892.1 | 465526.2 | 0.0 | S |
| 172.225 | 0.0000 | 0.0000 | 81.205 | 0.16057 | 0.00000 | 602892.1 | 465531.0 | 0.0 | S |
| 172.233 | 0.0000 | 0.0000 | 81.205 | 0.16057 | 0.00000 | 602892.1 | 465535.8 | 0.0 | S |
| 172.242 | 0.0000 | 0.0000 | 81.205 | 0.16056 | 0.00000 | 602892.1 | 465540.6 | 0.0 | S |
| $\dagger 72.250$ | 0.0000 | 0.0000 | 81.205 | 0.16055 | 0.00000 | 602892.1 | 465545.4 | 0.0 | S |
| 172.258 | 0.0000 | 0.0000 | 81.205 | 0.16054 | 0.00000 | 602892.1 | 465550.3 | 0.0 | S |
| 172.267 | 0.0000 | 0.0000 | 81.205 | 0.16053 | 0.00000 | 602892.1 | 465555.1 | 0.0 | S |
| 172.275 | 0.0000 | 0.0000 | 81.205 | 0.16052 | 0.00000 | 602892.1 | 465559.9 | 0.0 | S |
| 172.283 | 0.0000 | 0.0000 | 81.204 | 0.16052 | 0.00000 | 602892.1 | 465564.7 | 0.0 | S |
| 172.292 | 0.0000 | 0.0000 | 81.204 | 0.16051 | 0.00000 | 602892.1 | 465569.5 | 0.0 | S |
| 172.300 | 0.0000 | 0.0000 | 81.204 | 0.16050 | 0.00000 | 602892.1 | 465574.3 | 0.0 | S |
| 172.308 | 0.0000 | 0.0000 | 81.204 | 0.16049 | 0.00000 | 602892.1 | 465579.1 | 0.0 | S |
| 172.317 | 0.0000 | 0.0000 | 81.204 | 0.16048 | 0.00000 | 602892.1 | 465583.9 | 0.0 | S |
| 172.325 | 0.0000 | 0.0000 | 81.204 | 0.16047 | 0.00000 | 602892.1 | 465588.8 | 0.0 | S |
| 172.333 | 0.0000 | 0.0000 | 81.204 | 0.16047 | 0.00000 | 602892.1 | 465593.6 | 0.0 | S |
| 172.342 | 0.0000 | 0.0000 | 81.204 | 0.16046 | 0.00000 | 602892.1 | 465598.4 | 0.0 | S |
| 172.350 | 0.0000 | 0.0000 | 81.204 | 0.16045 | 0.00000 | 602892.1 | 465603.2 | 0.0 | S |
| 172.358 | 0.0000 | 0.0000 | 81.204 | 0.16044 | 0.00000 | 602892.1 | 465608.0 | 0.0 | S |
| 172.367 | 0.0000 | 0.0000 | 81.204 | 0.16043 | 0.00000 | 602892.1 | 465612.8 | 0.0 | S |
| 172.375 | 0.0000 | 0.0000 | 81.203 | 0.16043 | 0.00000 | 602892.1 | 465617.6 | 0.0 | S |
| 172.383 | 0.0000 | 0.0000 | 81.203 | 0.16042 | 0.00000 | 602892.1 | 465622.4 | 0.0 | S |
| 172.392 | 0.0000 | 0.0000 | 81.203 | 0.16041 | 0.00000 | 602892.1 | 465627.3 | 0.0 | S |
| 172.400 | 0.0000 | 0.0000 | 81.203 | 0.16040 | 0.00000 | 602892.1 | 465632.1 | 0.0 | S |
| 172.408 | 0.0000 | 0.0000 | 81.203 | 0.16039 | 0.00000 | 602892.1 | 465636.9 | 0.0 | S |
| 172.417 | 0.0000 | 0.0000 | 81.203 | 0.16038 | 0.00000 | 602892.1 | 465641.7 | 0.0 | S |
| 172.425 | 0.0000 | 0.0000 | 81.203 | 0.16038 | 0.00000 | 602892.1 | 465646.5 | 0.0 | S |
| 172.433 | 0.0000 | 0.0000 | 81.203 | 0.16037 | 0.00000 | 602892.1 | 465651.3 | 0.0 | S |
| 172.442 | 0.0000 | 0.0000 | 81.203 | 0.16036 | 0.00000 | 602892.1 | 465656.1 | 0.0 | S |
| 172.450 | 0.0000 | 0.0000 | 81.203 | 0.16035 | 0.00000 | 602892.1 | 465660.9 | 0.0 | S |
| 172.458 | 0.0000 | 0.0000 | 81.203 | 0.16034 | 0.00000 | 602892.1 | 465665.8 | 0.0 | S |
| 172.467 | 0.0000 | 0.0000 | 81.202 | 0.16033 | 0.00000 | 602892.1 | 465670.6 | 0.0 | S |
| 172.475 | 0.0000 | 0.0000 | 81.202 | 0.16033 | 0.00000 | 602892.1 | 465675.4 | 0.0 | S |
| 172.483 | 0.0000 | 0.0000 | 81.202 | 0.16032 | 0.00000 | 602892.1 | 465680.2 | 0.0 | S |
| 172.492 | 0.0000 | 0.0000 | 81.202 | 0.16031 | 0.00000 | 602892.1 | 465685.0 | 0.0 | S |
| 172.500 | 0.0000 | 0.0000 | 81.202 | 0.16030 | 0.00000 | 602892.1 | 465689.8 | 0.0 | S |
| 172.508 | 0.0000 | 0.0000 | 81.202 | 0.16029 | 0.00000 | 602892.1 | 465694.6 | 0.0 | S |
| 172.517 | 0.0000 | 0.0000 | 81.202 | 0.16029 | 0.00000 | 602892.1 | 465699.4 | 0.0 | S |
| 172.525 | 0.0000 | 0.0000 | 81.202 | 0.16028 | 0.00000 | 602892.1 | 465704.2 | 0.0 | S |
| 172.533 | 0.0000 | 0.0000 | 81.202 | 0.16027 | 0.00000 | 602892.1 | 465709.0 | 0.0 | S |
| 172.542 | 0.0000 | 0.0000 | 81.202 | 0.16026 | 0.00000 | 602892.1 | 465713.8 | 0.0 | S |
| 172.550 | 0.0000 | 0.0000 | 81.201 | 0.16025 | 0.00000 | 602892.1 | 465718.7 | 0.0 | S |
| 172.558 | 0.0000 | 0.0000 | 81.201 | 0.16024 | 0.00000 | 602892.1 | 465723.5 | 0.0 | S |
| 172.567 | 0.0000 | 0.0000 | 81.201 | 0.16024 | 0.00000 | 602892.1 | 465728.3 | 0.0 | S |
| 172.575 | 0.0000 | 0.0000 | 81.201 | 0.16023 | 0.00000 | 602892.1 | 465733.1 | 0.0 | S |
| 172.583 | 0.0000 | 0.0000 | 81.201 | 0.16022 | 0.00000 | 602892.1 | 465737.9 | 0.0 | S |
| 172.592 | 0.0000 | 0.0000 | 81.201 | 0.16021 | 0.00000 | 602892.1 | 465742.7 | 0.0 | S |
| 172.600 | 0.0000 | 0.0000 | 81.201 | 0.16020 | 0.00000 | 602892.1 | 465747.5 | 0.0 | S |
| 172.608 | 0.0000 | 0.0000 | 81.201 | 0.16020 | 0.00000 | 602892.1 | 465752.3 | 0.0 | S |
| 172.617 | 0.0000 | 0.0000 | 81.201 | 0.16019 | 0.00000 | 602892.1 | 465757.1 | 0.0 | S |
| 172.625 | 0.0000 | 0.0000 | 81.201 | 0.16018 | 0.00000 | 602892.1 | 465761.9 | 0.0 | S |
| 172.633 | 0.0000 | 0.0000 | 81.201 | 0.16017 | 0.00000 | 602892.1 | 465766.7 | 0.0 | S |
| 172.642 | 0.0000 | 0.0000 | 81.200 | 0.16016 | 0.00000 | 602892.1 | 465771.5 | 0.0 | S |
| 172.650 | 0.0000 | 0.0000 | 81.200 | 0.16015 | 0.00000 | 602892.1 | 465776.3 | 0.0 | S |
| 172.658 | 0.0000 | 0.0000 | 81.200 | 0.16015 | 0.00000 | 602892.1 | 465781.1 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ffday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / 5}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{t}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 172.667 | 0.0000 | 0.0000 | 81.200 | 0.16014 | 0.00000 | 602892.1 | 465785.9 | 0.0 | S |
| 172.675 | 0.0000 | 0.0000 | 81.200 | 0.16013 | 0.00000 | 602892.1 | 465790.8 | 0.0 | S |
| 172.683 | 0.0000 | 0.0000 | 81.200 | 0.16012 | 0.00000 | 602892.1 | 465795.5 | 0.0 | S |
| 172.692 | 0.0000 | 0.0000 | 81.200 | 0.16011 | 0.00000 | 602892.1 | 465800.3 | 0.0 | S |
| 172.700 | 0.0000 | 0.0000 | 81.200 | 0.16011 | 0.00000 | 602892.1 | 465805.2 | 0.0 | S |
| 172.708 | 0.0000 | 0.0000 | 81.200 | 0.16010 | 0.00000 | 602892.1 | 465809.9 | 0.0 | S |
| 172.717 | 0.0000 | 0.0000 | 81.200 | 0.16009 | 0.00000 | 602892.1 | 465814.8 | 0.0 | S |
| 172.725 | 0.0000 | 0.0000 | 81.200 | 0.16008 | 0.00000 | 602892.1 | 465819.6 | 0.0 | S |
| 172.733 | 0.0000 | 0.0000 | 81.199 | 0.16007 | 0.00000 | 602892.1 | 465824.3 | 0.0 | S |
| 172.742 | 0.0000 | 0.0000 | 81.199 | 0.16006 | 0.00000 | 602892.1 | 465829.2 | 0.0 | S |
| 172.750 | 0.0000 | 0.0000 | 81.199 | 0.16006 | 0.00000 | 602892.1 | 465834.0 | 0.0 | S |
| 172.758 | 0.0000 | 0.0000 | 81.199 | 0.16005 | 0.00000 | 602892.1 | 465838.8 | 0.0 | S |
| 172.767 | 0.0000 | 0.0000 | 81.199 | 0.16004 | 0.00000 | 602892.1 | 465843.6 | 0.0 | S |
| 172.775 | 0.0000 | 0.0000 | 81.199 | 0.16003 | 0.00000 | 602892.1 | 465848.4 | 0.0 | S |
| 172.783 | 0.0000 | 0.0000 | 81.199 | 0.16002 | 0.00000 | 602892.1 | 465853.2 | 0.0 | S |
| 172.792 | 0.0000 | 0.0000 | 81.199 | 0.16001 | 0.00000 | 602892.1 | 465858.0 | 0.0 | S |
| 172.800 | 0.0000 | 0.0000 | 81.199 | 0.16001 | 0.00000 | 602892.1 | 465862.8 | 0.0 | S |
| 172.808 | 0.0000 | 0.0000 | 81.199 | 0.16000 | 0.00000 | 602892.1 | 465867.6 | 0.0 | S |
| 172.817 | 0.0000 | 0.0000 | 81.199 | 0.15999 | 0.00000 | 602892.1 | 465872.4 | 0.0 | S |
| 172.825 | 0.0000 | 0.0000 | 81.198 | 0.15998 | 0.00000 | 602892.1 | 465877.2 | 0.0 | S |
| 172.833 | 0.0000 | 0.0000 | 81.198 | 0.15997 | 0.00000 | 602892.1 | 465882.0 | 0.0 | S |
| 172.842 | 0.0000 | 0.0000 | 81.198 | 0.15997 | 0.00000 | 602892.1 | 465886.8 | 0.0 | S |
| 172.850 | 0.0000 | 0.0000 | 81.198 | 0.15996 | 0.00000 | 602892.1 | 465891.6 | 0.0 | S |
| 172.858 | 0.0000 | 0.0000 | 81.198 | 0.15995 | 0.00000 | 602892.1 | 465896.4 | 0.0 | S |
| 172.867 | 0.0000 | 0.0000 | 81.198 | 0.15994 | 0.00000 | 602892.1 | 465901.2 | 0.0 | S |
| 172.875 | 0.0000 | 0.0000 | 81.198 | 0.15993 | 0.00000 | 602892.1 | 465906.0 | 0.0 | S |
| 172.883 | 0.0000 | 0.0000 | 81.198 | 0.15992 | 0.00000 | 602892.1 | 465910.8 | 0.0 | S |
| 172.892 | 0.0000 | 0.0000 | 81.198 | 0.15992 | 0.00000 | 602892.1 | 465915.6 | 0.0 | S |
| 172.900 | 0.0000 | 0.0000 | 81.198 | 0.15991 | 0.00000 | 602892.1 | 465920.3 | 0.0 | S |
| 172.908 | 0.0000 | 0.0000 | 81.198 | 0.15990 | 0.00000 | 602892.1 | 465925.2 | 0.0 | S |
| 172.917 | 0.0000 | 0.0000 | 81.197 | 0.15989 | 0.00000 | 602892.1 | 465929.9 | 0.0 | S |
| 172.925 | 0.0000 | 0.0000 | 81.197 | 0.15988 | 0.00000 | 602892.1 | 465934.8 | 0.0 | S |
| 172.933 | 0.0000 | 0.0000 | 81.197 | 0.15988 | 0.00000 | 602892.1 | 465939.5 | 0.0 | S |
| 172.942 | 0.0000 | 0.0000 | 81.197 | 0.15987 | 0.00000 | 602892.1 | 465944.3 | 0.0 | S |
| 172.950 | 0.0000 | 0.0000 | 81.197 | 0.15986 | 0.00000 | 602892.1 | 465949.1 | 0.0 | S |
| 172.958 | 0.0000 | 0.0000 | 81.197 | 0.15985 | 0.00000 | 602892.1 | 465953.9 | 0.0 | S |
| 172.967 | 0.0000 | 0.0000 | 81.197 | 0.15984 | 0.00000 | 602892.1 | 465958.7 | 0.0 | S |
| 172.975 | 0.0000 | 0.0000 | 81.197 | 0.15983 | 0.00000 | 602892.1 | 465963.5 | 0.0 | S |
| 172.983 | 0.0000 | 0.0000 | 81.197 | 0.15983 | 0.00000 | 602892.1 | 465968.3 | 0.0 | S |
| 172.992 | 0.0000 | 0.0000 | 81.197 | 0.15982 | 0.00000 | 602892.1 | 465973.1 | 0.0 | S |
| 173.000 | 0.0000 | 0.0000 | 81.197 | 0.15981 | 0.00000 | 602892.1 | 465977.9 | 0.0 | S |
| 173.008 | 0.0000 | 0.0000 | 81.196 | 0.15980 | 0.00000 | 602892.1 | 465982.7 | 0.0 | S |
| 173.017 | 0.0000 | 0.0000 | 81.196 | 0.15979 | 0.00000 | 602892.1 | 465987.5 | 0.0 | S |
| 173.025 | 0.0000 | 0.0000 | 81.196 | 0.15979 | 0.00000 | 602892.1 | 465992.3 | 0.0 | S |
| 173.033 | 0.0000 | 0.0000 | 81.196 | 0.15978 | 0.00000 | 602892.1 | 465997.1 | 0.0 | S |
| 173.042 | 0.0000 | 0.0000 | 81.196 | 0.15977 | 0.00000 | 602892.1 | 466001.9 | 0.0 | S |
| 173.050 | 0.0000 | 0.0000 | 81.196 | 0.15976 | 0.00000 | 602892.1 | 466006.7 | 0.0 | S |
| 173.058 | 0.0000 | 0.0000 | 81.196 | 0.15975 | 0.00000 | 602892.1 | 466011.5 | 0.0 | S |
| 173.067 | 0.0000 | 0.0000 | 81.196 | 0.15975 | 0.00000 | 602892.1 | 466016.3 | 0.0 | S |
| 173.075 | 0.0000 | 0.0000 | 81.196 | 0.15974 | 0.00000 | 602892.4 | 466021.0 | 0.0 | S |
| 173.083 | 0.0000 | 0.0000 | 81.196 | 0.15973 | 0.00000 | 602892.1 | 466025.8 | 0.0 | S |
| 173.092 | 0.0000 | 0.0000 | 81.196 | 0.15972 | 0.00000 | 602892.1 | 466030.6 | 0.0 | S |
| 173.100 | 0.0000 | 0.0000 | 81.195 | 0.15971 | 0.00000 | 602892.1 | 466035.4 | 0.0 | S |
| 173.108 | 0.0000 | 0.0000 | 81.195 | 0.15970 | 0.00000 | 602892.1 | 466040.2 | 0.0 | S |
| 173.117 | 0.0000 | 0.0000 | 81.195 | 0.15970 | 0.00000 | 602892.1 | 466045.0 | 0.0 | S |
| 173.125 | 0.0000 | 0.0000 | 81.195 | 0.15969 | 0.00000 | 602892.1 | 466049.8 | 0.0 | S |
| 173.133 | 0.0000 | 0.0000 | 81.195 | 0.15968 | 0.00000 | 602892.1 | 466054.6 | 0.0 | S |
| 173.142 | 0.0000 | 0.0000 | 81.195 | 0.15967 | 0.00000 | 602892.1 | 466059.4 | 0.0 | S |
| 173.150 | 0.0000 | 0.0000 | 81.195 | 0.15966 | 0.00000 | 602892.1 | 466064.2 | 0.0 | S |
| 173.158 | 0.0000 | 0.0000 | 81.195 | 0.15966 | 0.00000 | 602892.1 | 466068.9 | 0.0 | S |
| 173.167 | 0.0000 | 0.0000 | 81.195 | 0.15965 | 0.00000 | 602892.1 | 466073.8 | 0.0 | S |
| 173.175 | 0.0000 | 0.0000 | 81.195 | 0.15964 | 0.00000 | 602892.1 | 466078.5 | 0.0 | S |
| 173.183 | 0.0000 | 0.0000 | 81.195 | 0.15963 | 0.00000 | 602892.1 | 466083.3 | 0.0 | S |
| 173.192 | 0.0000 | 0.0000 | 81.194 | 0.15962 | 0.00000 | 602892.1 | 466088.1 | 0.0 | S |
| 173.200 | 0.0000 | 0.0000 | 81.194 | 0.15961 | 0.00000 | 602892.1 | 466092.9 | 0.0 | S |
| 173.208 | 0.0000 | 0.0000 | 81.194 | 0.15961 | 0.00000 | 602892.1 | 466097.7 | 0.0 | S |
| 173.217 | 0.0000 | 0.0000 | 81.194 | 0.15960 | 0.00000 | 602892.1 | 466102.5 | 0.0 | S |
| 173.225 | 0.0000 | 0.0000 | 81.194 | 0.15959 | 0.00000 | 602892.1 | 466107.3 | 0.0 | S |
| 173.233 | 0.0000 | 0.0000 | 81.194 | 0.15958 | 0.00000 | 602892.1 | 466112.1 | 0.0 | S |
| 173.242 | 0.0000 | 0.0000 | 81.194 | 0.15957 | 0.00000 | 602892.1 | 466116.8 | 0.0 | S |
| 173.250 | 0.0000 | 0.0000 | 81.194 | 0.15957 | 0.00000 | 602892.1 | 466121.6 | 0.0 | S |
| 173.258 | 0.0000 | 0.0000 | 81.194 | 0.15956 | 0.00000 | 602892.1 | 466126.4 | 0.0 | S |
| 173.267 | 0.0000 | 0.0000 | 81.194 | 0.15955 | 0.00000 | 602892.1 | 466131.2 | 0.0 | S |
| 173.275 | 0.0000 | 0.0000 | 81.194 | 0.15954 | 0.00000 | 602892.1 | 466136.0 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (IV/day) | Stage Elevation (ft datum) | Infitration Rate ( $\mathrm{ft}^{1 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 173.283 | 0.0000 | 0.0000 | 81.193 | 0.15953 | 0.00000 | 602892.1 | 466140.8 | 0.0 | S |
| 173.292 | 0.0000 | 0.0000 | 81.193 | 0.15952 | 0.00000 | 602892.1 | 466145.6 | 0.0 | S |
| 173.300 | 0.0000 | 0.0000 | 81.193 | 0.15952 | 0.00000 | 602892.1 | 466150.3 | 0.0 | S |
| 173.308 | 0.0000 | 0.0000 | 81.193 | 0.15951 | 0.00000 | 602892.1 | 466155.1 | 0.0 | S |
| 173.317 | 0.0000 | 0.0000 | 81.193 | 0.15950 | 0.00000 | 602892.1 | 466159.9 | 0.0 | S |
| 173.325 | 0.0000 | 0.0000 | 81.193 | 0.15949 | 0.00000 | 602892.1 | 466164.7 | 0.0 | S |
| 173.333 | 0.0000 | 0.0000 | 81.193 | 0.15948 | 0.00000 | 602892.1 | 466169.5 | 0.0 | S |
| 173.342 | 0.0000 | 0.0000 | 81.193 | 0.15948 | 0.00000 | 602892.1 | 466174.3 | 0.0 | S |
| 173.350 | 0.0000 | 0.0000 | 81.193 | 0.15947 | 0.00000 | 602892.1 | 466179.1 | 0.0 | S |
| 173.358 | 0.0000 | 0.0000 | 81.193 | 0.15946 | 0.00000 | 602892.1 | 466183.8 | 0.0 | S |
| 173.367 | 0.0000 | 0.0000 | 81.193 | 0.15945 | 0.00000 | 602892.1 | 466188.6 | 0.0 | S |
| 173.375 | 0.0000 | 0.0000 | 81.192 | 0.15944 | 0.00000 | 602892.1 | 466193.4 | 0.0 | S |
| 173.383 | 0.0000 | 0.0000 | 81.192 | 0.15944 | 0.00000 | 602892.1 | 466198.2 | 0.0 | S |
| 173.392 | 0.0000 | 0.0000 | 81.192 | 0.15943 | 0.00000 | 602892.1 | 466203.0 | 0.0 | S |
| 173.400 | 0.0000 | 0.0000 | 81.192 | 0.15942 | 0.00000 | 602892.1 | 466207.8 | 0.0 | S |
| 173.408 | 0.0000 | 0.0000 | 81.192 | 0.15941 | 0.00000 | 602892.1 | 466212.5 | 0.0 | S |
| 173.417 | 0.0000 | 0.0000 | 81.192 | 0.15940 | 0.00000 | 602892.1 | 466217.3 | 0.0 | S |
| 173.425 | 0.0000 | 0.0000 | 81.192 | 0.15939 | 0.00000 | 602892.1 | 466222.1 | 0.0 | S |
| 173.433 | 0.0000 | 0.0000 | 81.192 | 0.15939 | 0.00000 | 602892.1 | 466226.9 | 0.0 | S |
| 173.442 | 0.0000 | 0.0000 | 81.192 | 0.15938 | 0.00000 | 602892.1 | 466231.7 | 0.0 | S |
| 173.450 | 0.0000 | 0.0000 | 81.192 | 0.15937 | 0.00000 | 602892.1 | 466236.4 | 0.0 | S |
| 173.458 | 0.0000 | 0.0000 | 81.192 | 0.15936 | 0.00000 | 602892.1 | 466241.2 | 0.0 | S |
| 173.467 | 0.0000 | 0.0000 | 81.191 | 0.15935 | 0.00000 | 602892.1 | 466246.0 | 0.0 | S |
| 173.475 | 0.0000 | 0.0000 | 81.191 | 0.15935 | 0.00000 | 602892.1 | 466250.8 | 0.0 | S |
| 173.483 | 0.0000 | 0.0000 | 81.191 | 0.15934 | 0.00000 | 602892.1 | 466255.6 | 0.0 | S |
| 173.492 | 0.0000 | 0.0000 | 81.191 | 0.15933 | 0.00000 | 602892.1 | 466260.3 | 0.0 | S |
| 173.500 | 0.0000 | 0.0000 | 81.191 | 0.15932 | 0.00000 | 602892.1 | 466265.1 | 0.0 | S |
| 173.508 | 0.0000 | 0.0000 | 81.191 | 0.15931 | 0.00000 | 602892.1 | 466269.9 | 0.0 | S |
| 173.517 | 0.0000 | 0.0000 | 81.191 | 0.15931 | 0.00000 | 602892.1 | 466274.7 | 0.0 | S |
| 173.525 | 0.0000 | 0.0000 | 81.191 | 0.15930 | 0.00000 | 602892.1 | 466279.5 | 0.0 | S |
| 173.533 | 0.0000 | 0.0000 | 81.191 | 0.15929 | 0.00000 | 602892.1 | 466284.3 | 0.0 | S |
| 173.542 | 0.0000 | 0.0000 | 81.191 | 0.15928 | 0.00000 | 602892.1 | 466289.0 | 0.0 | S |
| 173.550 | 0.0000 | 0.0000 | 81.191 | 0.15927 | 0.00000 | 602892.1 | 466293.8 | 0.0 | S |
| 173.558 | 0.0000 | 0.0000 | 81.190 | 0.15926 | 0.00000 | 602892.1 | 466298.6 | 0.0 | S |
| 173.567 | 0.0000 | 0.0000 | 81.190 | 0.15926 | 0.00000 | 602892.1 | 466303.3 | 0.0 | S |
| 173.575 | 0.0000 | 0.0000 | 81.190 | 0.15925 | 0.00000 | 602892.1 | 466308.1 | 0.0 | S |
| 173.583 | 0.0000 | 0.0000 | 81.190 | 0.15924 | 0.00000 | 602892.1 | 466312.9 | 0.0 | S |
| 173.592 | 0.0000 | 0.0000 | 81.190 | 0.15923 | 0.00000 | 602892.1 | 466317.7 | 0.0 | S |
| 173.600 | 0.0000 | 0.0000 | 81.190 | 0.15922 | 0.00000 | 602892.1 | 466322.5 | 0.0 | S |
| 173.608 | 0.0000 | 0.0000 | 81.190 | 0.15922 | 0.00000 | 602892.1 | 466327.3 | 0.0 | S |
| 173.617 | 0.0000 | 0.0000 | 81.190 | 0.15921 | 0.00000 | 602892.1 | 466332.0 | 0.0 | S |
| 173.625 | 0.0000 | 0.0000 | 81.190 | 0.15920 | 0.00000 | 602892.1 | 466336.8 | 0.0 | S |
| 173.633 | 0.0000 | 0.0000 | 81.190 | 0.15919 | 0.00000 | 602892.1 | 466341.6 | 0.0 | S |
| 173.642 | 0.0000 | 0.0000 | 81.190 | 0.15918 | 0.00000 | 602892.1 | 466346.3 | 0.0 | S |
| 173.650 | 0.0000 | 0.0000 | 81.189 | 0.15918 | 0.00000 | 602892.1 | 466351.1 | 0.0 | S |
| 173.658 | 0.0000 | 0.0000 | 81.189 | 0.15917 | 0.00000 | 602892.1 | 466355.9 | 0.0 | S |
| 173.667 | 0.0000 | 0.0000 | 81.189 | 0.15916 | 0.00000 | 602892.1 | 466360.7 | 0.0 | S |
| 173.675 | 0.0000 | 0.0000 | 81.189 | 0.15915 | 0.00000 | 602892.1 | 466365.4 | 0.0 | S |
| 173.683 | 0.0000 | 0.0000 | 81.189 | 0.15914 | 0.00000 | 602892.1 | 466370.2 | 0.0 | S |
| 173.692 | 0.0000 | 0.0000 | 81.189 | 0.15913 | 0.00000 | 602892.1 | 466375.0 | 0.0 | S |
| 173.700 | 0.0000 | 0.0000 | 81.189 | 0.15913 | 0.00000 | 602892.1 | 466379.8 | 0.0 | S |
| 173.708 | 0.0000 | 0.0000 | 81.189 | 0.15912 | 0.00000 | 602892.1 | 466384.5 | 0.0 | S |
| 173.717 | 0.0000 | 0.0000 | 81.189 | 0.15911 | 0.00000 | 602892.1 | 466389.3 | 0.0 | S |
| 173.725 | 0.0000 | 0.0000 | 81.189 | 0.15910 | 0.00000 | 602892.1 | 466394.1 | 0.0 | S |
| 173.733 | 0.0000 | 0.0000 | 81.189 | 0.15909 | 0.00000 | 602892.1 | 466398.8 | 0.0 | S |
| 173.742 | 0.0000 | 0.0000 | 81.188 | 0.15909 | 0.00000 | 602892.1 | 466403.6 | 0.0 | S |
| 173.750 | 0.0000 | 0.0000 | 81.188 | 0.15908 | 0.00000 | 602892.1 | 466408.4 | 0.0 | S |
| 173.758 | 0.0000 | 0.0000 | 81.188 | 0.15907 | 0.00000 | 602892.1 | 466413.2 | 0.0 | S |
| 173.767 | 0.0000 | 0.0000 | 81.188 | 0.15906 | 0.00000 | 602892.1 | 466417.9 | 0.0 | S |
| 173.775 | 0.0000 | 0.0000 | 81.188 | 0.15905 | 0.00000 | 602892.1 | 466422.7 | 0.0 | S |
| 173.783 | 0.0000 | 0.0000 | 81.188 | 0.15905 | 0.00000 | 602892.1 | 466427.5 | 0.0 | S |
| 173.792 | 0.0000 | 0.0000 | 81.188 | 0.15904 | 0.00000 | 602892.1 | 466432.3 | 0.0 | S |
| 173.800 | 0.0000 | 0.0000 | 81.188 | 0.15903 | 0.00000 | 602892.1 | 466437.0 | 0.0 | S |
| 173.808 | 0.0000 | 0.0000 | 81.188 | 0.15902 | 0.00000 | 602892.1 | 466441.8 | 0.0 | S |
| 173.817 | 0.0000 | 0.0000 | 81.188 | 0.15901 | 0.00000 | 602892.1 | 466446.6 | 0.0 | S |
| 173.825 | 0.0000 | 0.0000 | 81.188 | 0.15901 | 0.00000 | 602892.1 | 466451.3 | 0.0 | S |
| 173.833 | 0.0000 | 0.0000 | 81.187 | 0.15900 | 0.00000 | 602892.1 | 466456.1 | 0.0 | S |
| 173.842 | 0.0000 | 0.0000 | 81.187 | 0.15899 | 0.00000 | 602892.1 | 466460.9 | 0.0 | S |
| 173.850 | 0.0000 | 0.0000 | 81.187 | 0.15898 | 0.00000 | 602892.1 | 466465.7 | 0.0 | S |
| 173.858 | 0.0000 | 0.0000 | 81.187 | 0.15897 | 0.00000 | 602892.1 | 466470.4 | 0.0 | S |
| 173.867 | 0.0000 | 0.0000 | 81.187 | 0.15896 | 0.00000 | 602892.1 | 466475.2 | 0.0 | S |
| 173.875 | 0.0000 | 0.0000 | 81.187 | 0.15896 | 0.00000 | 602892.1 | 466480.0 | 0.0 | S |
| 173.883 | 0.0000 | 0.0000 | 81.187 | 0.15895 | 0.00000 | 602892.1 | 466484.7 | 0.0 | S |
| 173.892 | 0.0000 | 0.0000 | 81.487 | 0.15894 | 0.00000 | 602892.1 | 466489.5 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (t/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume (fis) | Cumulative infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 173.900 | 0.0000 | 0.0000 | 81.187 | 0.15893 | 0.00000 | 602892.1 | 466494.3 | 0.0 | S |
| 173.908 | 0.0000 | 0.0000 | 81.187 | 0.15892 | 0.00000 | 602892.1 | 466499.0 | 0.0 | S |
| 173.917 | 0.0000 | 0.0000 | 81.187 | 0.15892 | 0.00000 | 602892.1 | 466503.8 | 0.0 | S |
| 173.925 | 0.0000 | 0.0000 | 81.186 | 0.15891 | 0.00000 | 602892.1 | 466508.6 | 0.0 | S |
| 173.933 | 0.0000 | 0.0000 | 81.186 | 0.15890 | 0.00000 | 602892.1 | 466513.3 | 0.0 | S |
| 173.942 | 0.0000 | 0.0000 | 81.186 | 0.15889 | 0.00000 | 602892.1 | 466518.1 | 0.0 | S |
| 173.950 | 0.0000 | 0.0000 | 81.186 | 0.15888 | 0.00000 | 602892.1 | 466522.9 | 0.0 | S |
| 173.958 | 0.0000 | 0.0000 | 81.186 | 0.15888 | 0.00000 | 602892.1 | 466527.6 | 0.0 | S |
| 173.967 | 0.0000 | 0.0000 | 81.186 | 0.15887 | 0.00000 | 602892.1 | 466532.4 | 0.0 | S |
| 173.975 | 0.0000 | 0.0000 | 81.186 | 0.15886 | 0.00000 | 602892.1 | 466537.2 | 0.0 | S |
| 173.983 | 0.0000 | 0.0000 | 81.186 | 0.15885 | 0.00000 | 602892.1 | 466541.9 | 0.0 | S |
| 173.992 | 0.0000 | 0.0000 | 81.186 | 0.15884 | 0.00000 | 602892.1 | 466546.7 | 0.0 | S |
| 174.000 | 0.0000 | 0.0000 | 81.186 | 0.15884 | 0.00000 | 602892.1 | 466551.5 | 0.0 | S |
| 174.008 | 0.0000 | 0.0000 | 81.186 | 0.15883 | 0.00000 | 602892.1 | 466556.2 | 0.0 | S |
| 174.017 | 0.0000 | 0.0000 | 81.185 | 0.15882 | 0.00000 | 602892.1 | 466561.0 | 0.0 | S |
| 174.025 | 0.0000 | 0.0000 | 81.185 | 0.15881 | 0.00000 | 602892.1 | 466565.8 | 0.0 | S |
| 174.033 | 0.0000 | 0.0000 | 81.185 | 0.15880 | 0.00000 | 602892.1 | 466570.5 | 0.0 | S |
| 174.042 | 0.0000 | 0.0000 | 81.185 | 0.15879 | 0.00000 | 602892.1 | 466575.3 | 0.0 | S |
| 174.050 | 0.0000 | 0.0000 | 81.185 | 0.15879 | 0.00000 | 602892.1 | 466580.1 | 0.0 | S |
| 174.058 | 0.0000 | 0.0000 | 81.185 | 0.15878 | 0.00000 | 602892.1 | 466584.8 | 0.0 | S |
| 174.067 | 0.0000 | 0.0000 | 81.185 | 0.15877 | 0.00000 | 602892.1 | 466589.6 | 0.0 | S |
| 174.075 | 0.0000 | 0.0000 | 81.185 | 0.15876 | 0.00000 | 602892.1 | 466594.3 | 0.0 | S |
| 174.083 | 0.0000 | 0.0000 | 81.185 | 0.15875 | 0.00000 | 602892.1 | 466599.1 | 0.0 | S |
| 174.092 | 0.0000 | 0.0000 | 81.185 | 0.15875 | 0.00000 | 602892.1 | 466603.9 | 0.0 | S |
| 174.100 | 0.0000 | 0.0000 | 81.185 | 0.15874 | 0.00000 | 602892.1 | 466608.6 | 0.0 | S |
| 174.108 | 0.0000 | 0.0000 | 81.184 | 0.15873 | 0.00000 | 602892.1 | 466613.4 | 0.0 | S |
| 174.117 | 0.0000 | 0.0000 | 81.184 | 0.15872 | 0.00000 | 602892.1 | 466618.2 | 0.0 | S |
| 174.125 | 0.0000 | 0.0000 | 81.184 | 0.15871 | 0.00000 | 602892.1 | 466622.9 | 0.0 | S |
| 174.133 | 0.0000 | 0.0000 | 81.184 | 0.15871 | 0.00000 | 602892.1 | 466627.7 | 0.0 | S |
| 174.142 | 0.0000 | 0.0000 | 81.184 | 0.15870 | 0.00000 | 602892.1 | 466632.4 | 0.0 | S |
| 174.150 | 0.0000 | 0.0000 | 81.184 | 0.15869 | 0.00000 | 602892.1 | 466637.2 | 0.0 | S |
| 174.158 | 0.0000 | 0.0000 | 81.184 | 0.15868 | 0.00000 | 602892.1 | 466642.0 | 0.0 | S |
| 174.167 | 0.0000 | 0.0000 | 81.184 | 0.15867 | 0.00000 | 602892.1 | 466646.7 | 0.0 | S |
| 174.175 | 0.0000 | 0.0000 | 81.184 | 0.15867 | 0.00000 | 602892.1 | 466651.5 | 0.0 | S |
| 174.183 | 0.0000 | 0.0000 | 81.184 | 0.15866 | 0.00000 | 602892.1 | 466656.2 | 0.0 | S |
| 174.192 | 0.0000 | 0.0000 | 81.184 | 0.15865 | 0.00000 | 602892.1 | 466661.0 | 0.0 | S |
| 174.200 | 0.0000 | 0.0000 | 81.183 | 0.15864 | 0.00000 | 602892.1 | 466665.8 | 0.0 | S |
| 174.208 | 0.0000 | 0.0000 | 81.183 | 0.15863 | 0.00000 | 602892.1 | 466670.5 | 0.0 | S |
| 174.217 | 0.0000 | 0.0000 | 81.183 | 0.15863 | 0.00000 | 602892.1 | 466675.3 | 0.0 | S |
| 174.225 | 0.0000 | 0.0000 | 81.183 | 0.15862 | 0.00000 | 602892.1 | 466680.0 | 0.0 | S |
| 174.233 | 0.0000 | 0.0000 | 81.183 | 0.15861 | 0.00000 | 602892.1 | 466684.8 | 0.0 | S |
| 174.242 | 0.0000 | 0.0000 | 81.183 | 0.15860 | 0.00000 | 602892.1 | 466689.5 | 0.0 | S |
| 174.250 | 0.0000 | 0.0000 | 81.183 | 0.15859 | 0.00000 | 602892.1 | 466694.3 | 0.0 | S |
| 174.258 | 0.0000 | 0.0000 | 81.183 | 0.15858 | 0.00000 | 602892.1 | 466699.1 | 0.0 | S |
| 174.267 | 0.0000 | 0.0000 | 81.183 | 0.15858 | 0.00000 | 602892.1 | 466703.8 | 0.0 | S |
| 174.275 | 0.0000 | 0.0000 | 81.183 | 0.15857 | 0.00000 | 602892.1 | 466708.6 | 0.0 | S |
| 174.283 | 0.0000 | 0.0000 | 81.183 | 0.15856 | 0.00000 | 602892.1 | 466713.3 | 0.0 | S |
| 174.292 | 0.0000 | 0.0000 | 81.182 | 0.15855 | 0.00000 | 602892.1 | 466718.1 | 0.0 | S |
| 174.300 | 0.0000 | 0.0000 | 81.182 | 0.15854 | 0.00000 | 602892.1 | 466722.8 | 0.0 | S |
| 174.308 | 0.0000 | 0.0000 | 81.182 | 0.15854 | 0.00000 | 602892.1 | 466727.6 | 0.0 | S |
| 174.317 | 0.0000 | 0.0000 | 81.182 | 0.15853 | 0.00000 | 602892.1 | 466732.3 | 0.0 | S |
| 174.325 | 0.0000 | 0.0000 | 81.182 | 0.15852 | 0.00000 | 602892.1 | 466737.1 | 0.0 | S |
| 174.333 | 0.0000 | 0.0000 | 81.182 | 0.15851 | 0.00000 | 602892.1 | 466741.9 | 0.0 | S |
| 174.342 | 0.0000 | 0.0000 | 81.182 | 0.15850 | 0.00000 | 602892.1 | 466746.6 | 0.0 | S |
| 174.350 | 0.0000 | 0.0000 | 81.182 | 0.75850 | 0.00000 | 602892.1 | 466751.4 | 0.0 | S |
| 174.358 | 0.0000 | 0.0000 | 81.182 | 0.15849 | 0.00000 | 602892.1 | 466756.1 | 0.0 | S |
| 174.367 | 0.0000 | 0.0000 | 81.182 | 0.15848 | 0.00000 | 602892.1 | 466760.9 | 0.0 | S |
| 174.375 | 0.0000 | 0.0000 | 81.182 | 0.15847 | 0.00000 | 602892.1 | 466765.7 | 0.0 | S |
| 174.383 | 0.0000 | 0.0000 | 81.181 | 0.15846 | 0.00000 | 602892.1 | 466770.4 | 0.0 | S |
| 174.392 | 0.0000 | 0.0000 | 81.181 | 0.15846 | 0.00000 | 602892.1 | 466775.2 | 0.0 | S |
| 174.400 | 0.0000 | 0.0000 | 81.181 | 0.15845 | 0.00000 | 602892.1 | 466779.8 | 0.0 | S |
| 174.408 | 0.0000 | 0.0000 | 81.181 | 0.15844 | 0.00000 | 602892.1 | 466784.7 | 0.0 | S |
| 174.417 | 0.0000 | 0.0000 | 81.181 | 0.15843 | 0.00000 | 602892.1 | 466789.4 | 0.0 | S |
| 174.425 | 0.0000 | 0.0000 | 81.181 | 0.15842 | 0.00000 | 602892.1 | 466794.2 | 0.0 | S |
| 174.433 | 0.0000 | 0.0000 | 81.181 | 0.15842 | 0.00000 | 602892.1 | 466798.9 | 0.0 | S |
| 174.442 | 0.0000 | 0.0000 | 81.181 | 0.15841 | 0.00000 | 602892.1 | 466803.7 | 0.0 | S |
| 174.450 | 0.0000 | 0.0000 | 81.181 | 0.15840 | 0.00000 | 602892.1 | 466808.4 | 0.0 | S |
| 174.458 | 0.0000 | 0.0000 | 81.181 | 0.15839 | 0.00000 | 602892.1 | 466813.2 | 0.0 | S |
| 174.467 | 0.0000 | 0.0000 | 81.181 | 0.15838 | 0.00000 | 602892.1 | 466817.9 | 0.0 | S |
| 174.475 | 0.0000 | 0.0000 | 81.180 | 0.15838 | 0.00000 | 602892.1 | 466822.7 | 0.0 | S |
| 174.483 | 0.0000 | 0.0000 | 81.180 | 0.15837 | 0.00000 | 602892.4 | 466827.4 | 0.0 | S |
| 174.492 | 0.0000 | 0.0000 | 81.180 | 0.15836 | 0.00000 | 602892.1 | 466832.2 | 0.0 | S |
| 174.500 | 0.0000 | 0.0000 | 81.180 | 0.15835 | 0.00000 | 602892.1 | 466836.9 | 0.0 | S |
| 174.508 | 0.0000 | 0.0000 | 81.180 | 0.15834 | 0.00000 | 602892.1 | 466841.7 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario $1::$ pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (fudday) | Stage Elevation (ft datum) | infiltration Rate (f $\mathrm{f}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 174.517 | 0.0000 | 0.0000 | 81.180 | 0.15834 | 0.00000 | 602892.1 | 466846.4 | 0.0 | S |
| 174.525 | 0.0000 | 0.0000 | 81.180 | 0.15833 | 0.00000 | 602892.1 | 466851.2 | 0.0 | S |
| 174.533 | 0.0000 | 0.0000 | 81.180 | 0.15832 | 0.00000 | 602892.1 | 466855.9 | 0.0 | S |
| 174.542 | 0.0000 | 0.0000 | 81.180 | 0.15831 | 0.00000 | 602892.1 | 466860.7 | 0.0 | S |
| 174.550 | 0.0000 | 0.0000 | 81.180 | 0.15830 | 0.00000 | 602892.1 | 466865.4 | 0.0 | S |
| 174.558 | 0.0000 | 0.0000 | 81.180 | 0.15830 | 0.00000 | 602892.1 | 466870.2 | 0.0 | S |
| 174.567 | 0.0000 | 0.0000 | 81.179 | 0.15829 | 0.00000 | 602892.1 | 466874.9 | 0.0 | S |
| 174.575 | 0.0000 | 0.0000 | 81.179 | 0.15828 | 0.00000 | 602892.1 | 466879.7 | 0.0 | S |
| 174.583 | 0.0000 | 0.0000 | 81.179 | 0.15827 | 0.00000 | 602892.1 | 466884.4 | 0.0 | S |
| 174.592 | 0.0000 | 0.0000 | 81.179 | 0.15826 | 0.00000 | 602892.1 | 466889.2 | 0.0 | S |
| 174.600 | 0.0000 | 0.0000 | 81.179 | 0.15826 | 0.00000 | 602892.1 | 466893.9 | 0.0 | S |
| 174.608 | 0.0000 | 0.0000 | 81.179 | 0.15825 | 0.00000 | 602892.1 | 466898.7 | 0.0 | S |
| 174.617 | 0.0000 | 0.0000 | 81.179 | 0.15824 | 0.00000 | 602892.1 | 466903.4 | 0.0 | S |
| 174.625 | 0.0000 | 0.0000 | 81.179 | 0.15823 | 0.00000 | 602892.1 | 466908.2 | 0.0 | S |
| 174.633 | 0.0000 | 0.0000 | 81.179 | 0.15822 | 0.00000 | 602892.1 | 466912.9 | 0.0 | S |
| 174.642 | 0.0000 | 0.0000 | 81.179 | 0.15821 | 0.00000 | 602892.1 | 466917.7 | 0.0 | S |
| 174.650 | 0.0000 | 0.0000 | 81.179 | 0.15821 | 0.00000 | 602892.1 | 466922.4 | 0.0 | S |
| 174.658 | 0.0000 | 0.0000 | 81.178 | 0.15820 | 0.00000 | 602892.1 | 466927.2 | 0.0 | S |
| 174.667 | 0.0000 | 0.0000 | 81.178 | 0.15819 | 0.00000 | 602892.1 | 466931.9 | 0.0 | S |
| 174.675 | 0.0000 | 0.0000 | 81.178 | 0.15818 | 0.00000 | 602892.1 | 466936.6 | 0.0 | S |
| 174.683 | 0.0000 | 0.0000 | 81.778 | 0.15817 | 0.00000 | 602892.1 | 466941.4 | 0.0 | S |
| 174.692 | 0.0000 | 0.0000 | 81, 778 | 0.15817 | 0.00000 | 602892.1 | 466946.1 | 0.0 | S |
| 174.700 | 0.0000 | 0.0000 | 81.178 | 0.15816 | 0.00000 | 602892.1 | 466950.9 | 0.0 | S |
| 174.708 | 0.0000 | 0.0000 | 81.178 | 0.15815 | 0.00000 | 602892.1 | 466955.6 | 0.0 | S |
| 174.717 | 0.0000 | 0.0000 | 81.178 | 0.15814 | 0.00000 | 602892.1 | 466960.4 | 0.0 | S |
| 174.725 | 0.0000 | 0.0000 | 81.178 | 0.15813 | 0.00000 | 602892.1 | 466965.1 | 0.0 | S |
| 174.733 | 0.0000 | 0.0000 | 81.178 | 0.15813 | 0.00000 | 602892.1 | 466969.8 | 0.0 | S |
| 174.742 | 0.0000 | 0.0000 | 81.178 | 0.15812 | 0.00000 | 602892.1 | 466974.6 | 0.0 | S |
| 174.750 | 0.0000 | 0.0000 | 81.177 | 0.15811 | 0.00000 | 602892.1 | 466979.3 | 0.0 | S |
| 174.758 | 0.0000 | 0.0000 | 81.177 | 0.15810 | 0.00000 | 602892.1 | 466984.1 | 0.0 | S |
| 174.767 | 0.0000 | 0.0000 | 81.177 | 0.15809 | 0.00000 | 602892.1 | 466988.8 | 0.0 | S |
| 174.775 | 0.0000 | 0.0000 | 81.177 | 0.15809 | 0.00000 | 602892.1 | 466993.6 | 0.0 | S |
| 174.783 | 0.0000 | 0.0000 | 81.177 | 0.15808 | 0.00000 | 602892.1 | 466998.3 | 0.0 | S |
| 174.792 | 0.0000 | 0.0000 | 81.177 | 0.15807 | 0.00000 | 602892.1 | 467003.1 | 0.0 | S |
| 174.800 | 0.0000 | 0.0000 | 81.177 | 0.15806 | 0.00000 | 602892.1 | 467007.8 | 0.0 | S |
| 174.808 | 0.0000 | 0.0000 | 81.177 | 0.15805 | 0.00000 | 602892.1 | 467012.5 | 0.0 | S |
| 174.817 | 0.0000 | 0.0000 | 81.177 | 0.15805 | 0.00000 | 602892.1 | 467017.3 | 0.0 | S |
| 174.825 | 0.0000 | 0.0000 | 81.177 | 0.15804 | 0.00000 | 602892.1 | 467022.0 | 0.0 | S |
| 174.833 | 0.0000 | 0.0000 | 81.177 | 0.15803 | 0.00000 | 602892.1 | 467026.8 | 0.0 | S |
| 174.842 | 0.0000 | 0.0000 | 81.176 | 0.15802 | 0.00000 | 602892.1 | 467031.5 | 0.0 | S |
| 174.850 | 0.0000 | 0.0000 | 81.176 | 0.15801 | 0.00000 | 602892.1 | 467036.3 | 0.0 | S |
| 174.858 | 0.0000 | 0.0000 | 81.176 | 0.15801 | 0.00000 | 602892.1 | 467041.0 | 0.0 | S |
| 174.867 | 0.0000 | 0.0000 | 81.176 | 0.15800 | 0.00000 | 602892.1 | 467045.7 | 0.0 | S |
| 174.875 | 0.0000 | 0.0000 | 81.176 | 0.15799 | 0.00000 | 602892.1 | 467050.5 | 0.0 | S |
| 174.883 | 0.0000 | 0.0000 | 81.176 | 0.15798 | 0.00000 | 602892.1 | 467055.2 | 0.0 | S |
| 174.892 | 0.0000 | 0.0000 | 81.176 | 0.15797 | 0.00000 | 602892.1 | 467059.9 | 0.0 | S |
| 174.900 | 0.0000 | 0.0000 | 81.176 | 0.15797 | 0.00000 | 602892.1 | 467064.7 | 0.0 | S |
| 174.908 | 0.0000 | 0.0000 | 81.176 | 0.15796 | 0.00000 | 602892.1 | 467069.4 | 0.0 | S |
| 174.917 | 0.0000 | 0.0000 | 81.176 | 0.15795 | 0.00000 | 602892.1 | 467074.2 | 0.0 | S |
| 174.925 | 0.0000 | 0.0000 | 81.176 | 0.15794 | 0.00000 | 602892.1 | 467078.9 | 0.0 | S |
| 174.933 | 0.0000 | 0.0000 | 81.175 | 0.15793 | 0.00000 | 602892.1 | 467083.6 | 0.0 | S |
| 174.942 | 0.0000 | 0.0000 | 81.175 | 0.15793 | 0.00000 | 602892.1 | 467088.4 | 0.0 | S |
| 174.950 | 0.0000 | 0.0000 | 81.175 | 0.15792 | 0.00000 | 602892.1 | 467093.1 | 0.0 | S |
| 174.958 | 0.0000 | 0.0000 | 81.175 | 0.15791 | 0.00000 | 602892.1 | 467097.8 | 0.0 | S |
| 174.967 | 0.0000 | 0.0000 | 81.175 | 0.15790 | 0.00000 | 602892.1 | 467102.6 | 0.0 | S |
| 174.975 | 0.0000 | 0.0000 | 81.175 | 0.15789 | 0.00000 | 602892.1 | 467107.3 | 0.0 | S |
| 174.983 | 0.0000 | 0.0000 | 81.175 | 0.15789 | 0.00000 | 602892.1 | 467112.1 | 0.0 | S |
| 174.992 | 0.0000 | 0.0000 | 81.175 | 0.15788 | 0.00000 | 602892.1 | 467116.8 | 0.0 | S |
| 175.000 | 0.0000 | 0.0000 | 81.175 | 0.15787 | 0.00000 | 602892.1 | 467121.5 | 0.0 | S |
| 175.008 | 0.0000 | 0.0000 | 81.175 | 0.15786 | 0.00000 | 602892.1 | 467126.3 | 0.0 | S |
| 175.017 | 0.0000 | 0.0000 | 81.175 | 0.15785 | 0.00000 | 602892.1 | 467131.0 | 0.0 | S |
| 175.025 | 0.0000 | 0.0000 | 81.174 | 0.15785 | 0.00000 | 602892.1 | 467135.8 | 0.0 | S |
| 175.033 | 0.0000 | 0.0000 | 81.174 | 0.15784 | 0.00000 | 602892.1 | 467140.5 | 0.0 | S |
| 175.042 | 0.0000 | 0.0000 | 81.174 | 0.15783 | 0.00000 | 602892.1 | 467145.2 | 0.0 | S |
| 175.050 | 0.0000 | 0.0000 | 81.174 | 0.15782 | 0.00000 | 602892.1 | 467149.9 | 0.0 | S |
| 175.058 | 0.0000 | 0.0000 | 81.174 | 0.15781 | 0.00000 | 602892.1 | 467154.7 | 0.0 | S |
| 175.067 | 0.0000 | 0.0000 | 81.174 | 0.15781 | 0.00000 | 602892.1 | 467159.4 | 0.0 | S |
| 175.075 | 0.0000 | 0.0000 | 81.174 | 0.15780 | 0.00000 | 602892.1 | 467164.2 | 0.0 | S |
| 175.083 | 0.0000 | 0.0000 | 81.174 | 0.15779 | 0.00000 | 602892.1 | 467168.9 | 0.0 | S |
| 175.092 | 0.0000 | 0.0000 | 81.174 | 0.15778 | 0.00000 | 602892.1 | 467173.6 | 0.0 | S |
| 175.100 | 0.0000 | 0.0000 | 81.174 | 0.15777 | 0.00000 | 602892.1 | 467178.3 | 0.0 | S |
| \$75.108 | 0.0000 | 0.0000 | 81.174 | 0.15777 | 0.00000 | 602892.1 | 467183.1 | 0.0 | S |
| 175.117 | 0.0000 | 0.0000 | 81.173 | 0.15776 | 0.00000 | 602892.1 | 467187.8 | 0.0 | S |
| 175.125 | 0.0000 | 0.0000 | 81.173 | 0.15775 | 0.00000 | 602892.1 | 467192.5 | 0.0 | S |

PONDS Version 3.2.0207

# Retention Pond Recovery - Refined Method Copyright 2003 

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (fuday) | Stage Elevation (ft datum) | Enfiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overfiow Discharge ( $\mathrm{ft}^{3 /} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume (ft ${ }^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 175.133 | 0.0000 | 0.0000 | 81.173 | 0.15774 | 0.00000 | 602892.1 | 467197.3 | 0.0 | S |
| 175.142 | 0.0000 | 0.0000 | 81.173 | 0.15773 | 0.00000 | 602892.1 | 467202.0 | 0.0 | S |
| 175.150 | 0.0000 | 0.0000 | 81.173 | 0.15773 | 0.00000 | 602892.1 | 467206.8 | 0.0 | S |
| 175.158 | 0.0000 | 0.0000 | 81.173 | 0.15772 | 0.00000 | 602892.1 | 467211.5 | 0.0 | S |
| 175.167 | 0.0000 | 0.0000 | 81.173 | 0.15771 | 0.00000 | 602892.1 | 467216.2 | 0.0 | S |
| 175.175 | 0.0000 | 0.0000 | 81.173 | 0.15770 | 0.00000 | 602892.1 | 467220.9 | 0.0 | S |
| 175.183 | 0.0000 | 0.0000 | 81.173 | 0.15769 | 0.00000 | 602892.1 | 467225.7 | 0.0 | S |
| 175.192 | 0.0000 | 0.0000 | 81.173 | 0.15769 | 0.00000 | 602892.1 | 467230.4 | 0.0 | S |
| 175.200 | 0.0000 | 0.0000 | 81.173 | 0.15768 | 0.00000 | 602892.1 | 467235.1 | 0.0 | S |
| 175.208 | 0.0000 | 0.0000 | 81.172 | 0.15767 | 0.00000 | 602892.1 | 467239.8 | 0.0 | S |
| 175.217 | 0.0000 | 0.0000 | 81.172 | 0.15766 | 0.00000 | 602892.1 | 467244.6 | 0.0 | S |
| 175.225 | 0.0000 | 0.0000 | 81.172 | 0.15765 | 0.00000 | 602892.1 | 467249.3 | 0.0 | S |
| 175.233 | 0.0000 | 0.0000 | 81.172 | 0.15765 | 0.00000 | 602892.1 | 467254.0 | 0.0 | S |
| 175.242 | 0.0000 | 0.0000 | 81.172 | 0.15764 | 0.00000 | 602892.1 | 467258.8 | 0.0 | S |
| 175.250 | 0.0000 | 0.0000 | 81.172 | 0.15763 | 0.00000 | 602892.1 | 467263.5 | 0.0 | S |
| 175.258 | 0.0000 | 0.0000 | 81.172 | 0.15762 | 0.00000 | 602892.1 | 467268.2 | 0.0 | S |
| 175.267 | 0.0000 | 0.0000 | 81.172 | 0.15761 | 0.00000 | 602892.1 | 467273.0 | 0.0 | S |
| 175.275 | 0.0000 | 0.0000 | 81.172 | 0.15761 | 0.00000 | 602892.1 | 467277.7 | 0.0 | S |
| 175.283 | 0.0000 | 0.0000 | 81.172 | 0.15760 | 0.00000 | 602892.1 | 467282.4 | 0.0 | S |
| 175.292 | 0.0000 | 0.0000 | 81.172 | 0.15759 | 0.00000 | 602892.1 | 467287.2 | 0.0 | S |
| 175.300 | 0.0000 | 0.0000 | 81.171 | 0.15758 | 0.00000 | 602892.1 | 467291.9 | 0.0 | S |
| 175.308 | 0.0000 | 0.0000 | 81.171 | 0.15758 | 0.00000 | 602892.1 | 467296.6 | 0.0 | S |
| 175.317 | 0.0000 | 0.0000 | 81.171 | 0.15757 | 0.00000 | 602892.1 | 467301.3 | 0.0 | S |
| 175.325 | 0.0000 | 0.0000 | 81.171 | 0.15756 | 0.00000 | 602892.1 | 467306.1 | 0.0 | S |
| 175.333 | 0.0000 | 0.0000 | 81.171 | 0.15755 | 0.00000 | 602892.1 | 467310.8 | 0.0 | S |
| 175.342 | 0.0000 | 0.0000 | 81.171 | 0.15754 | 0.00000 | 602892.1 | 467315.5 | 0.0 | S |
| 175.350 | 0.0000 | 0.0000 | 81.171 | 0.15754 | 0.00000 | 602892.1 | 467320.2 | 0.0 | S |
| 175.358 | 0.0000 | 0.0000 | 81.171 | 0.15753 | 0.00000 | 602892.1 | 467325.0 | 0.0 | S |
| 175.367 | 0.0000 | 0.0000 | 81.171 | 0.15752 | 0.00000 | 602892.1 | 467329.7 | 0.0 | S |
| 175.375 | 0.0000 | 0.0000 | 81.171 | 0.15751 | 0.00000 | 602892.1 | 467334.4 | 0.0 | S |
| 175.383 | 0.0000 | 0.0000 | 81.171 | 0.15750 | 0.00000 | 602892.1 | 467339.1 | 0.0 | S |
| 175.392 | 0.0000 | 0.0000 | 81.170 | 0.15750 | 0.00000 | 602892.1 | 467343.9 | 0.0 | S |
| 175.400 | 0.0000 | 0.0000 | 81.170 | 0.15749 | 0.00000 | 602892.1 | 467348.6 | 0.0 | S |
| 175.408 | 0.0000 | 0.0000 | 81.170 | 0.15748 | 0.00000 | 602892.1 | 467353.3 | 0.0 | S |
| 175.417 | 0.0000 | 0.0000 | 81.170 | 0.15747 | 0.00000 | 602892.1 | 467358.0 | 0.0 | S |
| 175.425 | 0.0000 | 0.0000 | 81.170 | 0.15746 | 0.00000 | 602892.1 | 467362.8 | 0.0 | S |
| 175.433 | 0.0000 | 0.0000 | 81.170 | 0.15746 | 0.00000 | 602892.1 | 467367.5 | 0.0 | S |
| 175.442 | 0.0000 | 0.0000 | 81.170 | 0.15745 | 0.00000 | 602892.1 | 467372.2 | 0.0 | S |
| 175.450 | 0.0000 | 0.0000 | 81.170 | 0.15744 | 0.00000 | 602892.1 | 467376.9 | 0.0 | S |
| 175.458 | 0.0000 | 0.0000 | 81.170 | 0.15743 | 0.00000 | 602892.1 | 467381.7 | 0.0 | S |
| 175.467 | 0.0000 | 0.0000 | 81.170 | 0.15742 | 0.00000 | 602892.1 | 467386.4 | 0.0 | S |
| 175.475 | 0.0000 | 0.0000 | 81.170 | 0.15742 | 0.00000 | 602892.1 | 467391.1 | 0.0 | S |
| 175.483 | 0.0000 | 0.0000 | 81.169 | 0.15741 | 0.00000 | 602892.1 | 467395.8 | 0.0 | S |
| 175.492 | 0.0000 | 0.0000 | 81.169 | 0.15740 | 0.00000 | 602892.1 | 467400.5 | 0.0 | S |
| 175.500 | 0.0000 | 0.0000 | 81.169 | 0.15739 | 0.00000 | 602892.1 | 467405.3 | 0.0 | S |
| 175.508 | 0.0000 | 0.0000 | 81.169 | 0.15738 | 0.00000 | 602892.1 | 467410.0 | 0.0 | S |
| 175.517 | 0.0000 | 0.0000 | 81.169 | 0.15738 | 0.00000 | 602892.1 | 467414.7 | 0.0 | S |
| 175.525 | 0.0000 | 0.0000 | 81.169 | 0.15737 | 0.00000 | 602892.1 | 467419.4 | 0.0 | S |
| 175.533 | 0.0000 | 0.0000 | 81.169 | 0.15736 | 0.00000 | 602892.1 | 467424.2 | 0.0 | S |
| 175.542 | 0.0000 | 0.0000 | 81.169 | 0.15735 | 0.00000 | 602892.1 | 467428.9 | 0.0 | S |
| 175.550 | 0.0000 | 0.0000 | 81.169 | 0.15734 | 0.00000 | 602892.1 | 467433.6 | 0.0 | S |
| 175.558 | 0.0000 | 0.0000 | 81.169 | 0.15734 | 0.00000 | 602892.1 | 467438.3 | 0.0 | S |
| 175.567 | 0.0000 | 0.0000 | 81.169 | 0.15733 | 0.00000 | 602892.1 | 467443.0 | 0.0 | S |
| 175.575 | 0.0000 | 0.0000 | 81.169 | 0.15732 | 0.00000 | 602892.1 | 467447.8 | 0.0 | S |
| 175.583 | 0.0000 | 0.0000 | 81.168 | 0.15731 | 0.00000 | 602892.1 | 467452.5 | 0.0 | S |
| 175.592 | 0.0000 | 0.0000 | 81.168 | 0.15730 | 0.00000 | 602892.1 | 467457.2 | 0.0 | S |
| 175.600 | 0.0000 | 0.0000 | 81.168 | 0.15730 | 0.00000 | 602892.1 | 467461.9 | 0.0 | S |
| 175.608 | 0.0000 | 0.0000 | 81.168 | 0.15729 | 0.00000 | 602892.1 | 467466.6 | 0.0 | S |
| 175.617 | 0.0000 | 0.0000 | 81.168 | 0.15728 | 0.00000 | 602892.1 | 467471.3 | 0.0 | S |
| 175.625 | 0.0000 | 0.0000 | 81.168 | 0.15727 | 0.00000 | 602892.1 | 467476.1 | 0.0 | S |
| 175.633 | 0.0000 | 0.0000 | 81.168 | 0.15726 | 0.00000 | 602892.1 | 467480.8 | 0.0 | S |
| 175.642 | 0.0000 | 0.0000 | 81.168 | 0.15726 | 0.00000 | 602892.1 | 467485.5 | 0.0 | S |
| 175.650 | 0.0000 | 0.0000 | 81.168 | 0.15725 | 0.00000 | 602892.1 | 467490.2 | 0.0 | S |
| 175.658 | 0.0000 | 0.0000 | 81.168 | 0.15724 | 0.00000 | 602892.1 | 467494.9 | 0.0 | S |
| 175.667 | 0.0000 | 0.0000 | 81.168 | 0.15723 | 0.00000 | 602892.1 | 467499.7 | 0.0 | S |
| 175.675 | 0.0000 | 0.0000 | 81.167 | 0.15723 | 0.00000 | 602892.1 | 467504.4 | 0.0 | S |
| 175.683 | 0.0000 | 0.0000 | 81.167 | 0.15722 | 0.00000 | 602892.1 | 467509.1 | 0.0 | S |
| $\$ 75.692$ | 0.0000 | 0.0000 | 81.167 | 0.15721 | 0.00000 | 602892.1 | 467513.8 | 0.0 | S |
| \$75.700 | 0.0000 | 0.0000 | 81.167 | 0.15720 | 0.00000 | 602892.1 | 467518.5 | 0.0 | S |
| 175.708 | 0.0000 | 0.0000 | 81.167 | 0.15719 | 0.00000 | 602892.1 | 467523.2 | 0.0 | S |
| 175.717 | 0.0000 | 0.0000 | 81.167 | 0.15719 | 0.00000 | 602892.1 | 467527.9 | 0.0 | S |
| 175.725 | 0.0000 | 0.0000 | 81.167 | 0.15718 | 0.00000 | 602892.1 | 467532.7 | 0.0 | S |
| 175.733 | 0.0000 | 0.0000 | 81.167 | 0.15717 | 0.00000 | 602892.1 | 467537.4 | 0.0 | S |
| 175.742 | 0.0000 | 0.0000 | 81.167 | 0.15716 | 0.00000 | 602892.1 | 467542.1 | 0.0 | S |

PONDS Version 3.2.0207

# Retention Pond Recovery - Refined Method <br> Copyright 2003 

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge (fis/s) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative <br> Discharge <br> Volume ( $\mathrm{fl}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 175.750 | 0.0000 | 0.0000 | 81.167 | 0.15715 | 0.00000 | 602892.1 | 467546.8 | 0.0 | S |
| 175.758 | 0.0000 | 0.0000 | 81.167 | 0.15715 | 0.00000 | 602892.1 | 467551.5 | 0.0 | S |
| 175.767 | 0.0000 | 0.0000 | 81.166 | 0.15714 | 0.00000 | 602892.1 | 467556.3 | 0.0 | S |
| 175.775 | 0.0000 | 0.0000 | 81.166 | 0.15713 | 0.00000 | 602892.1 | 467560.9 | 0.0 | S |
| 175.783 | 0.0000 | 0.0000 | 81.166 | 0.15712 | 0.00000 | 602892.1 | 467565.7 | 0.0 | S |
| 175.792 | 0.0000 | 0.0000 | 81.166 | 0.15711 | 0.00000 | 602892.1 | 467570.4 | 0.0 | S |
| 175.800 | 0.0000 | 0.0000 | 81.166 | 0.15711 | 0.00000 | 602892.1 | 467575.1 | 0.0 | S |
| 175.808 | 0.0000 | 0.0000 | 81.166 | 0.15710 | 0.00000 | 602892.1 | 467579.8 | 0.0 | S |
| 175.817 | 0.0000 | 0.0000 | 81.166 | 0.15709 | 0.00000 | 602892.1 | 467584.5 | 0.0 | S |
| 175.825 | 0.0000 | 0.0000 | 81.166 | 0.15708 | 0.00000 | 602892.1 | 467589.2 | 0.0 | S |
| 175.833 | 0.0000 | 0.0000 | 81.166 | 0.75707 | 0.00000 | 602892.1 | 467593.9 | 0.0 | S |
| 175.842 | 0.0000 | 0.0000 | 81.166 | 0.15707 | 0.00000 | 602892.1 | 467598.7 | 0.0 | S |
| 175.850 | 0.0000 | 0.0000 | 81.166 | 0.15706 | 0.00000 | 602892.1 | 467603.4 | 0.0 | S |
| 175.858 | 0.0000 | 0.0000 | 81.165 | 0.15705 | 0.00000 | 602892.1 | 467608.1 | 0.0 | S |
| 175.867 | 0.0000 | 0.0000 | 81.165 | 0.15704 | 0.00000 | 602892.1 | 467612.8 | 0.0 | S |
| 175.875 | 0.0000 | 0.0000 | 81.165 | 0.15703 | 0.00000 | 602892.1 | 467617.5 | 0.0 | S |
| 175.883 | 0.0000 | 0.0000 | 81.165 | 0.15703 | 0.00000 | 602892.1 | 467622.2 | 0.0 | S |
| 175.892 | 0.0000 | 0.0000 | 81.165 | 0.15702 | 0.00000 | 602892.1 | 467626.9 | 0.0 | S |
| 175.900 | 0.0000 | 0.0000 | 81.165 | 0.15701 | 0.00000 | 602892.1 | 467631.6 | 0.0 | S |
| 175.908 | 0.0000 | 0.0000 | 81.165 | 0.15700 | 0.00000 | 602892.1 | 467636.3 | 0.0 | S |
| 175.917 | 0.0000 | 0.0000 | 81.165 | 0.15700 | 0.00000 | 602892.1 | 467641.1 | 0.0 | S |
| 175.925 | 0.0000 | 0.0000 | 81.165 | 0.15699 | 0.00000 | 602892.1 | 467645.8 | 0.0 | S |
| 175.933 | 0.0000 | 0.0000 | 81.165 | 0.15698 | 0.00000 | 602892.1 | 467650.5 | 0.0 | S |
| 175.942 | 0.0000 | 0.0000 | 81.165 | 0.15697 | 0.00000 | 602892.1 | 467655.2 | 0.0 | S |
| 175.950 | 0.0000 | 0.0000 | 81.164 | 0.15696 | 0.00000 | 602892.1 | 467659.9 | 0.0 | S |
| 175.958 | 0.0000 | 0.0000 | 81.164 | 0.15696 | 0.00000 | 602892.1 | 467664.6 | 0.0 | S |
| 175.967 | 0.0000 | 0.0000 | 81.164 | 0.15695 | 0.00000 | 602892.1 | 467669.3 | 0.0 | S |
| 175.975 | 0.0000 | 0.0000 | 81.164 | 0.15694 | 0.00000 | 602892.1 | 467674.0 | 0.0 | S |
| 175.983 | 0.0000 | 0.0000 | 81.164 | 0.15693 | 0.00000 | 602892.1 | 467678.7 | 0.0 | S |
| 175.992 | 0.0000 | 0.0000 | 81.164 | 0.15692 | 0.00000 | 602892.1 | 467683.4 | 0.0 | S |
| 176.000 | 0.0000 | 0.0000 | 81.164 | 0.15692 | 0.00000 | 602892.1 | 467688.1 | 0.0 | S |
| 176.008 | 0.0000 | 0.0000 | 81.164 | 0.15691 | 0.00000 | 602892.1 | 467692.8 | 0.0 | S |
| 176.017 | 0.0000 | 0.0000 | 81.164 | 0.15690 | 0.00000 | 602892.1 | 467697.6 | 0.0 | S |
| 176.025 | 0.0000 | 0.0000 | 81.164 | 0.15689 | 0.00000 | 602892.1 | 467702.3 | 0.0 | S |
| 176.033 | 0.0000 | 0.0000 | 81.164 | 0.15688 | 0.00000 | 602892.1 | 467707.0 | 0.0 | S |
| 176.042 | 0.0000 | 0.0000 | 81.163 | 0.15688 | 0.00000 | 602892.1 | 467711.7 | 0.0 | S |
| 176.050 | 0.0000 | 0.0000 | 81.163 | 0.15687 | 0.00000 | 602892.1 | 467716.4 | 0.0 | S |
| 176.058 | 0.0000 | 0.0000 | 81.163 | 0.15686 | 0.00000 | 602892.1 | 467721.1 | 0.0 | S |
| 176.067 | 0.0000 | 0.0000 | 81.163 | 0.15685 | 0.00000 | 602892.1 | 467725.8 | 0.0 | S |
| 176.075 | 0.0000 | 0.0000 | 81.163 | 0.15684 | 0.00000 | 602892.1 | 467730.5 | 0.0 | S |
| 176.083 | 0.0000 | 0.0000 | 81.163 | 0.15684 | 0.00000 | 602892.1 | 467735.2 | 0.0 | S |
| 176.092 | 0.0000 | 0.0000 | 81.163 | 0.15683 | 0.00000 | 602892.1 | 467739.9 | 0.0 | S |
| 176.100 | 0.0000 | 0.0000 | 81.163 | 0.15682 | 0.00000 | 602892.1 | 467744.6 | 0.0 | S |
| 176.108 | 0.0000 | 0.0000 | 81.163 | 0.15681 | 0.00000 | 602892.1 | 467749.3 | 0.0 | S |
| 176.117 | 0.0000 | 0.0000 | 81.163 | 0.15681 | 0.00000 | 602892.1 | 467754.0 | 0.0 | S |
| 176.125 | 0.0000 | 0.0000 | 81.163 | 0.15680 | 0.00000 | 602892.1 | 467758.7 | 0.0 | S |
| 176.133 | 0.0000 | 0.0000 | 81.162 | 0.15679 | 0.00000 | 602892.1 | 467763.4 | 0.0 | S |
| 176.142 | 0.0000 | 0.0000 | 81.162 | 0.15678 | 0.00000 | 602892.1 | 467768.1 | 0.0 | S |
| 176.150 | 0.0000 | 0.0000 | 81.162 | 0.15677 | 0.00000 | 602892.1 | 467772.8 | 0.0 | S |
| 176.158 | 0.0000 | 0.0000 | 81.162 | 0.15677 | 0.00000 | 602892.1 | 467777.5 | 0.0 | S |
| 176.167 | 0.0000 | 0.0000 | 81.162 | 0.15676 | 0.00000 | 602892.1 | 467782.3 | 0.0 | S |
| 176.175 | 0.0000 | 0.0000 | 81.162 | 0.15675 | 0.00000 | 602892.1 | 467786.9 | 0.0 | S |
| 176.183 | 0.0000 | 0.0000 | 81.162 | 0.15674 | 0.00000 | 602892.1 | 467791.7 | 0.0 | S |
| 176.192 | 0.0000 | 0.0000 | 81.162 | 0.15673 | 0.00000 | 602892.1 | 467796.3 | 0.0 | S |
| 176.200 | 0.0000 | 0.0000 | 81.162 | 0.15673 | 0.00000 | 602892.1 | 467801.1 | 0.0 | S |
| 176.208 | 0.0000 | 0.0000 | 81.162 | 0.15672 | 0.00000 | 602892.1 | 467805.8 | 0.0 | S |
| \$76.217 | 0.0000 | 0.0000 | 81.162 | 0.15671 | 0.00000 | 602892.1 | 467810.5 | 0.0 | S |
| $\uparrow 76.225$ | 0.0000 | 0.0000 | 81.161 | 0.15670 | 0.00000 | 602892.1 | 467815.2 | 0.0 | S |
| 176.233 | 0.0000 | 0.0000 | 81.161 | 0.15669 | 0.00000 | 602892.1 | 467819.8 | 0.0 | S |
| 176.242 | 0.0000 | 0.0000 | 81.161 | 0.15669 | 0.00000 | 602892.1 | 467824.6 | 0.0 | S |
| 176.250 | 0.0000 | 0.0000 | 81.161 | 0.15668 | 0.00000 | 602892.1 | 467829.3 | 0.0 | S |
| 176.258 | 0.0000 | 0.0000 | 81.161 | 0.15667 | 0.00000 | 602892.1 | 467834.0 | 0.0 | S |
| 176.267 | 0.0000 | 0.0000 | 81.161 | 0.15666 | 0.00000 | 602892.1 | 467838.7 | 0.0 | S |
| 176.275 | 0.0000 | 0.0000 | 81.161 | 0.15666 | 0.00000 | 602892.1 | 467843.3 | 0.0 | S |
| 176.283 | 0.0000 | 0.0000 | 81.161 | 0.15665 | 0.00000 | 602892.1 | 467848.1 | 0.0 | S |
| 176.292 | 0.0000 | 0.0000 | 81.161 | 0.15664 | 0.00000 | 602892.1 | 467852.8 | 0.0 | S |
| 176.300 | 0.0000 | 0.0000 | 81.161 | 0.15663 | 0.00000 | 602892.1 | 467857.5 | 0.0 | S |
| 176.308 | 0.0000 | 0.0000 | 81.161 | 0.15662 | 0.00000 | 602892.1 | 467862.2 | 0.0 | S |
| 176.317 | 0.0000 | 0.0000 | 81.160 | 0.15662 | 0.00000 | 602892.1 | 467866.8 | 0.0 | S |
| 176.325 | 0.0000 | 0.0000 | 81.160 | 0.15661 | 0.00000 | 602892.1 | 467871.6 | 0.0 | S |
| 176.333 | 0.0000 | 0.0000 | 81.160 | 0.15660 | 0.00000 | 602892.1 | 467876.3 | 0.0 | S |
| 176.342 | 0.0000 | 0.0000 | 81.160 | 0.15659 | 0.00000 | 602892.1 | 467880.9 | 0.0 | S |
| 176.350 | 0.0000 | 0.0000 | 81.160 | 0.15658 | 0.00000 | 602892.1 | 467885.7 | 0.0 | S |
| 176.358 | 0.0000 | 0.0000 | 81.160 | 0.15658 | 0.00000 | 602892.1 | 467890.3 | 0.0 | S |

PONDS Version 3.2.0207

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year/24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (fUday) | Stage Elevation (ft datum) | Infiltration Rate $\left(\mathrm{fl}^{3 / 3}\right)$ | Overflow Discharge ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 176.367 | 0.0000 | 0.0000 | 81.160 | 0.15657 | 0.00000 | 602892.1 | 467895.0 | 0.0 | S |
| 176.375 | 0.0000 | 0.0000 | 81.160 | 0.15656 | 0.00000 | 602892.1 | 467899.8 | 0.0 | S |
| 176.383 | 0.0000 | 0.0000 | 81.160 | 0.15655 | 0.00000 | 602892.1 | 467904.4 | 0.0 | S |
| 176.392 | 0.0000 | 0.0000 | 81.160 | 0.15654 | 0.00000 | 602892.1 | 467909.1 | 0.0 | S |
| 176.400 | 0.0000 | 0.0000 | 81.160 | 0.15654 | 0.00000 | 602892.1 | 467913.8 | 0.0 | S |
| 176.408 | 0.0000 | 0.0000 | 81.160 | 0.15653 | 0.00000 | 602892.1 | 467918.5 | 0.0 | S |
| 176.417 | 0.0000 | 0.0000 | 81.159 | 0.15652 | 0.00000 | 602892.1 | 467923.2 | 0.0 | S |
| 176.425 | 0.0000 | 0.0000 | 81.159 | 0.15651 | 0.00000 | 602892.1 | 467927.9 | 0.0 | S |
| 176.433 | 0.0000 | 0.0000 | 81.159 | 0.15651 | 0.00000 | 602892.1 | 467932.6 | 0.0 | S |
| 176.442 | 0.0000 | 0.0000 | 81.159 | 0.15650 | 0.00000 | 602892.1 | 467937.3 | 0.0 | S |
| 176.450 | 0.0000 | 0.0000 | 81.159 | 0.15649 | 0.00000 | 602892.1 | 467942.0 | 0.0 | S |
| 176.458 | 0.0000 | 0.0000 | 81.159 | 0.15648 | 0.00000 | 602892.1 | 467946.7 | 0.0 | S |
| 176.467 | 0.0000 | 0.0000 | 81.159 | 0.15647 | 0.00000 | 602892.1 | 467951.4 | 0.0 | S |
| 176.475 | 0.0000 | 0.0000 | 81.159 | 0.15647 | 0.00000 | 602892.1 | 467956.1 | 0.0 | S |
| 176.483 | 0.0000 | 0.0000 | 81.159 | 0.15646 | 0.00000 | 602892.1 | 467960.8 | 0.0 | S |
| 176.492 | 0.0000 | 0.0000 | 81.159 | 0.15645 | 0.00000 | 602892.1 | 467965.5 | 0.0 | S |
| 176.500 | 0.0000 | 0.0000 | 81.159 | 0.15644 | 0.00000 | 602892.1 | 467970.2 | 0.0 | S |
| 176.508 | 0.0000 | 0.0000 | 81.158 | 0.15643 | 0.00000 | 602892.1 | 467974.8 | 0.0 | S |
| 176.517 | 0.0000 | 0.0000 | 81.158 | 0.15643 | 0.00000 | 602892.1 | 467979.6 | 0.0 | S |
| 176.525 | 0.0000 | 0.0000 | 81.158 | 0.15642 | 0.00000 | 602892.1 | 467984.3 | 0.0 | S |
| 176.533 | 0.0000 | 0.0000 | 81.158 | 0.15641 | 0.00000 | 602892.1 | 467988.9 | 0.0 | S |
| 176.542 | 0.0000 | 0.0000 | 81.158 | 0.15640 | 0.00000 | 602892.1 | 467993.6 | 0.0 | S |
| 176.550 | 0.0000 | 0.0000 | 81.158 | 0.15640 | 0.00000 | 602892.1 | 467998.3 | 0.0 | S |
| 176.558 | 0.0000 | 0.0000 | 81.158 | 0.15639 | 0.00000 | 602892.1 | 468003.0 | 0.0 | S |
| 176.567 | 0.0000 | 0.0000 | 81.158 | 0.15638 | 0.00000 | 602892.1 | 468007.7 | 0.0 | S |
| 176.575 | 0.0000 | 0.0000 | 81.158 | 0.15637 | 0.00000 | 602892.1 | 468012.4 | 0.0 | S |
| 176.583 | 0.0000 | 0.0000 | 81.158 | 0.15636 | 0.00000 | 602892.1 | 468017.1 | 0.0 | S |
| 176.592 | 0.0000 | 0.0000 | 81.158 | 0.15636 | 0.00000 | 602892.1 | 468021.8 | 0.0 | S |
| 176.600 | 0.0000 | 0.0000 | 81.157 | 0.15635 | 0.00000 | 602892.1 | 468026.5 | 0.0 | S |
| 176.608 | 0.0000 | 0.0000 | 81.157 | 0.15634 | 0.00000 | 602892.1 | 468031.2 | 0.0 | S |
| 176.617 | 0.0000 | 0.0000 | 81.157 | 0.15633 | 0.00000 | 602892.1 | 468035.8 | 0.0 | S |
| 176.625 | 0.0000 | 0.0000 | 81.157 | 0.15632 | 0.00000 | 602892.1 | 468040.5 | 0.0 | S |
| 176.633 | 0.0000 | 0.0000 | 81.157 | 0.15632 | 0.00000 | 602892.1 | 468045.2 | 0.0 | S |
| 176.642 | 0.0000 | 0.0000 | 81.157 | 0.15631 | 0.00000 | 602892.1 | 468049.9 | 0.0 | S |
| 176.650 | 0.0000 | 0.0000 | 81.157 | 0.15630 | 0.00000 | 602892.1 | 468054.6 | 0.0 | S |
| 176.658 | 0.0000 | 0.0000 | 81.157 | 0.15629 | 0.00000 | 602892.1 | 468059.3 | 0.0 | S |
| 176.667 | 0.0000 | 0.0000 | 81.157 | 0.15629 | 0.00000 | 602892.1 | 468064.0 | 0.0 | S |
| 176.675 | 0.0000 | 0.0000 | 81.157 | 0.15628 | 0.00000 | 602892.1 | 468068.7 | 0.0 | S |
| 176.683 | 0.0000 | 0.0000 | 81.157 | 0.15627 | 0.00000 | 602892.1 | 468073.3 | 0.0 | S |
| 176.692 | 0.0000 | 0.0000 | 81.156 | 0.15626 | 0.00000 | 602892.1 | 468078.0 | 0.0 | S |
| 176.700 | 0.0000 | 0.0000 | 81.156 | 0.15625 | 0.00000 | 602892.1 | 468082.7 | 0.0 | S |
| 176.708 | 0.0000 | 0.0000 | 81.156 | 0.15625 | 0.00000 | 602892.1 | 468087.4 | 0.0 | S |
| 176.717 | 0.0000 | 0.0000 | 81.156 | 0.15624 | 0.00000 | 602892.1 | 468092.1 | 0.0 | S |
| 176.725 | 0.0000 | 0.0000 | 81.156 | 0.15623 | 0.00000 | 602892.1 | 468096.8 | 0.0 | S |
| 176.733 | 0.0000 | 0.0000 | 81.156 | 0.15622 | 0.00000 | 602892.1 | 468101.5 | 0.0 | S |
| 176.742 | 0.0000 | 0.0000 | 81.156 | 0.15621 | 0.00000 | 602892.1 | 468106.2 | 0.0 | S |
| 176.750 | 0.0000 | 0.0000 | 81.156 | 0.15621 | 0.00000 | 602892.1 | 468110.8 | 0.0 | S |
| 176.758 | 0.0000 | 0.0000 | 81.156 | 0.15620 | 0.00000 | 602892.1 | 468115.5 | 0.0 | S |
| 176.767 | 0.0000 | 0.0000 | 81.156 | 0.15619 | 0.00000 | 602892.1 | 468120.2 | 0.0 | S |
| 176.775 | 0.0000 | 0.0000 | 81.156 | 0.15618 | 0.00000 | 602892.1 | 468124.9 | 0.0 | S |
| 176.783 | 0.0000 | 0.0000 | 81.155 | 0.15618 | 0.00000 | 602892.1 | 468129.6 | 0.0 | S |
| 176.792 | 0.0000 | 0.0000 | 81.155 | 0.15617 | 0.00000 | 602892.1 | 468134.3 | 0.0 | S |
| 176.800 | 0.0000 | 0.0000 | 81.155 | 0.15616 | 0.00000 | 602892.1 | 468139.0 | 0.0 | S |
| 176.808 | 0.0000 | 0.0000 | 81.155 | 0.15615 | 0.00000 | 602892.1 | 468143.7 | 0.0 | S |
| 176.817 | 0.0000 | 0.0000 | 81.155 | 0.15614 | 0.00000 | 602892.1 | 468148.3 | 0.0 | S |
| 176.825 | 0.0000 | 0.0000 | 81.155 | 0.15614 | 0.00000 | 602892.1 | 468153.0 | 0.0 | S |
| 176.833 | 0.0000 | 0.0000 | 81.155 | 0.15613 | 0.00000 | 602892.1 | 468157.7 | 0.0 | S |
| 176.842 | 0.0000 | 0.0000 | 81.155 | 0.15612 | 0.00000 | 602892.1 | 468162.4 | 0.0 | S |
| 176.850 | 0.0000 | 0.0000 | 81.155 | 0.15611 | 0.00000 | 602892.1 | 468167.1 | 0.0 | S |
| 176.858 | 0.0000 | 0.0000 | 81.155 | 0.15610 | 0.00000 | 602892.1 | 468171.8 | 0.0 | S |
| 176.867 | 0.0000 | 0.0000 | 81.155 | 0.15610 | 0.00000 | 602892.1 | 468176.4 | 0.0 | S |
| 176.875 | 0.0000 | 0.0000 | 81.154 | 0.15609 | 0.00000 | 602892.1 | 468181.1 | 0.0 | S |
| 176.883 | 0.0000 | 0.0000 | 81.154 | 0.15608 | 0.00000 | 602892.1 | 468185.8 | 0.0 | S |
| 176.892 | 0.0000 | 0.0000 | 81.154 | 0.15607 | 0.00000 | 602892.1 | 468190.5 | 0.0 | S |
| 176.900 | 0.0000 | 0.0000 | 81.154 | 0.15607 | 0.00000 | 602892.1 | 468195.2 | 0.0 | S |
| 176.908 | 0.0000 | 0.0000 | 81.154 | 0.15606 | 0.00000 | 602892.1 | 468199.8 | 0.0 | S |
| 176.917 | 0.0000 | 0.0000 | 81.154 | 0.15605 | 0.00000 | 602892.1 | 468204.5 | 0.0 | S |
| 176.925 | 0.0000 | 0.0000 | 81.154 | 0.15604 | 0.00000 | 602892.1 | 468209.2 | 0.0 | S |
| 176.933 | 0.0000 | 0.0000 | 81.154 | 0.15603 | 0.00000 | 602892.1 | 468213.9 | 0.0 | S |
| 176.942 | 0.0000 | 0.0000 | 81.154 | 0.15603 | 0.00000 | 602892.1 | 468218.6 | 0.0 | S |
| 176.950 | 0.0000 | 0.0000 | 81.154 | 0.15602 | 0.00000 | 602892.1 | 468223.3 | 0.0 | S |
| 176.958 | 0.0000 | 0.0000 | 81.154 | 0.15601 | 0.00000 | 602892.1 | 468227.9 | 0.0 | S |
| 176.967 | 0.0000 | 0.0000 | 81.153 | 0.15600 | 0.00000 | 602892.1 | 468232.6 | 0.0 | S |
| 176.975 | 0.0000 | 0.0000 | 81.153 | 0.15600 | 0.00000 | 602892.1 | 468237.3 | 0.0 | S |

PONDS Version 3.2.0207

# Retention Pond Recovery - Refined Method <br> Copyright 2003 

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate (ft ${ }^{3} \mathrm{~s}$ ) | Overfiow Discharge ( $\mathrm{f} \mathrm{t}^{3} / \mathrm{s}$ ) | Cumulative Infow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 176.983 | 0.0000 | 0.0000 | 81.153 | 0.15599 | 0.00000 | 602892.1 | 468242.0 | 0.0 | S |
| 176.992 | 0.0000 | 0.0000 | 81.153 | 0.15598 | 0.00000 | 602892.1 | 468246.7 | 0.0 | S |
| 177.000 | 0.0000 | 0.0000 | 81.153 | 0.15597 | 0.00000 | 602892.1 | 468251.3 | 0.0 | S |
| 177.008 | 0.0000 | 0.0000 | 81.153 | 0.15596 | 0.00000 | 602892.1 | 468256.0 | 0.0 | S |
| 177.017 | 0.0000 | 0.0000 | 81.153 | 0.15596 | 0.00000 | 602892.1 | 468260.7 | 0.0 | S |
| 177.025 | 0.0000 | 0.0000 | 81.153 | 0.15595 | 0.00000 | 602892.1 | 468265.4 | 0.0 | S |
| 177.033 | 0.0000 | 0.0000 | 81.153 | 0.15594 | 0.00000 | 602892.1 | 468270.1 | 0.0 | S |
| 177.042 | 0.0000 | 0.0000 | 81.153 | 0.15593 | 0.00000 | 602892.1 | 468274.7 | 0.0 | S |
| 177.050 | 0.0000 | 0.0000 | 81.153 | 0.15592 | 0.00000 | 602892.1 | 468279.4 | 0.0 | S |
| 177.058 | 0.0000 | 0.0000 | 81.153 | 0.15592 | 0.00000 | 602892.1 | 468284.1 | 0.0 | S |
| 177.067 | 0.0000 | 0.0000 | 81.152 | 0.15591 | 0.00000 | 602892.1 | 468288.8 | 0.0 | S |
| 177.075 | 0.0000 | 0.0000 | 81.152 | 0.15590 | 0.00000 | 602892.1 | 468293.4 | 0.0 | S |
| 177.083 | 0.0000 | 0.0000 | 81.152 | 0.15589 | 0.00000 | 602892.1 | 468298.1 | 0.0 | S |
| 177.092 | 0.0000 | 0.0000 | 81.152 | 0.15589 | 0.00000 | 602892.1 | 468302.8 | 0.0 | S |
| 177.100 | 0.0000 | 0.0000 | 81.152 | 0.15588 | 0.00000 | 602892.1 | 468307.5 | 0.0 | S |
| 177.108 | 0.0000 | 0.0000 | 81.152 | 0.15587 | 0.00000 | 602892.1 | 468312.2 | 0.0 | S |
| 177.117 | 0.0000 | 0.0000 | 81.152 | 0.15586 | 0.00000 | 602892.1 | 468316.8 | 0.0 | S |
| 177.125 | 0.0000 | 0.0000 | 81.152 | 0.15585 | 0.00000 | 602892.1 | 468321.5 | 0.0 | S |
| 177.133 | 0.0000 | 0.0000 | 81.152 | 0.15585 | 0.00000 | 602892.1 | 468326.2 | 0.0 | S |
| 177.142 | 0.0000 | 0.0000 | 81.152 | 0.15584 | 0.00000 | 602892.1 | 468330.8 | 0.0 | S |
| 177.150 | 0.0000 | 0.0000 | 81.152 | 0.15583 | 0.00000 | 602892.1 | 468335.5 | 0.0 | S |
| 177.158 | 0.0000 | 0.0000 | 81.151 | 0.15582 | 0.00000 | 602892.1 | 468340.2 | 0.0 | S |
| 177.167 | 0.0000 | 0.0000 | 81.151 | 0.15582 | 0.00000 | 602892.1 | 468344.9 | 0.0 | S |
| 177.175 | 0.0000 | 0.0000 | 81.151 | 0.15581 | 0.00000 | 602892.1 | 468349.5 | 0.0 | S |
| 177.183 | 0.0000 | 0.0000 | 81.151 | 0.15580 | 0.00000 | 602892.1 | 468354.2 | 0.0 | S |
| 177.192 | 0.0000 | 0.0000 | 81.151 | 0.15579 | 0.00000 | 602892.1 | 468358.9 | 0.0 | S |
| 177.200 | 0.0000 | 0.0000 | 81.151 | 0.15578 | 0.00000 | 602892.1 | 468363.6 | 0.0 | S |
| 177.208 | 0.0000 | 0.0000 | 81.151 | 0.15578 | 0.00000 | 602892.1 | 468368.3 | 0.0 | S |
| 177.217 | 0.0000 | 0.0000 | 81.151 | 0.15577 | 0.00000 | 602892.1 | 468372.9 | 0.0 | S |
| 177.225 | 0.0000 | 0.0000 | 81.151 | 0.15576 | 0.00000 | 602892.1 | 468377.6 | 0.0 | S |
| 177.233 | 0.0000 | 0.0000 | 81.151 | 0.15575 | 0.00000 | 602892.1 | 468382.3 | 0.0 | S |
| 177.242 | 0.0000 | 0.0000 | 81.151 | 0.15575 | 0.00000 | 602892.1 | 468386.9 | 0.0 | S |
| 177.250 | 0.0000 | 0.0000 | 81.150 | 0.15574 | 0.00000 | 602892.1 | 468391.6 | 0.0 | S |
| 177.258 | 0.0000 | 0.0000 | 81.150 | 0.15573 | 0.00000 | 602892.1 | 468396.3 | 0.0 | S |
| 177.267 | 0.0000 | 0.0000 | 81.150 | 0.15572 | 0.00000 | 602892.1 | 468400.9 | 0.0 | S |
| 177.275 | 0.0000 | 0.0000 | 81.150 | 0.15571 | 0.00000 | 602892.1 | 468405.6 | 0.0 | S |
| 177.283 | 0.0000 | 0.0000 | 81.150 | 0.15571 | 0.00000 | 602892.1 | 468410.3 | 0.0 | S |
| 177.292 | 0.0000 | 0.0000 | 81.150 | 0.15570 | 0.00000 | 602892.1 | 468415.0 | 0.0 | S |
| 177.300 | 0.0000 | 0.0000 | 81.150 | 0.15569 | 0.00000 | 602892.1 | 468419.6 | 0.0 | S |
| 177.308 | 0.0000 | 0.0000 | 81.150 | 0.15568 | 0.00000 | 602892.1 | 468424.3 | 0.0 | S |
| 177.317 | 0.0000 | 0.0000 | 81.150 | 0.15567 | 0.00000 | 602892.1 | 468429.0 | 0.0 | S |
| 177.325 | 0.0000 | 0.0000 | 81.150 | 0.15567 | 0.00000 | 602892.1 | 468433.7 | 0.0 | S |
| 177.333 | 0.0000 | 0.0000 | 81.150 | 0.15566 | 0.00000 | 602892.1 | 468438.3 | 0.0 | S |
| 177.342 | 0.0000 | 0.0000 | 81.149 | 0.15565 | 0.00000 | 602892.1 | 468443.0 | 0.0 | S |
| 177.350 | 0.0000 | 0.0000 | 81.149 | 0.15564 | 0.00000 | 602892.1 | 468447.7 | 0.0 | S |
| 177.358 | 0.0000 | 0.0000 | 81.149 | 0.15564 | 0.00000 | 602892.1 | 468452.3 | 0.0 | S |
| 177.367 | 0.0000 | 0.0000 | 81.149 | 0.15563 | 0.00000 | 602892.1 | 468457.0 | 0.0 | S |
| 177.375 | 0.0000 | 0.0000 | 81.149 | 0.15562 | 0.00000 | 602892.1 | 468461.7 | 0.0 | S |
| 177.383 | 0.0000 | 0.0000 | 81.149 | 0.15561 | 0.00000 | 602892.1 | 468466.3 | 0.0 | S |
| 177.392 | 0.0000 | 0.0000 | 81.149 | 0.15560 | 0.00000 | 602892.1 | 468471.0 | 0.0 | S |
| 177.400 | 0.0000 | 0.0000 | 81.149 | 0.15560 | 0.00000 | 602892.1 | 468475.7 | 0.0 | S |
| 177.408 | 0.0000 | 0.0000 | 81.149 | 0.15559 | 0.00000 | 602892.1 | 468480.3 | 0.0 | S |
| 177.417 | 0.0000 | 0.0000 | 81.149 | 0.15558 | 0.00000 | 602892.1 | 468485.0 | 0.0 | S |
| 177.425 | 0.0000 | 0.0000 | 81.149 | 0.15557 | 0.00000 | 602892.1 | 468489.7 | 0.0 | S |
| 177.433 | 0.0000 | 0.0000 | 81.148 | 0.15557 | 0.00000 | 602892.1 | 468494.3 | 0.0 | S |
| 177.442 | 0.0000 | 0.0000 | 81.148 | 0.15556 | 0.00000 | 602892.1 | 468499.0 | 0.0 | S |
| 177.450 | 0.0000 | 0.0000 | 81.148 | 0.15555 | 0.00000 | 602892.1 | 468503.7 | 0.0 | S |
| 177.458 | 0.0000 | 0.0000 | 81.148 | 0.15554 | 0.00000 | 602892.1 | 468508.3 | 0.0 | S |
| 177.467 | 0.0000 | 0.0000 | 81.148 | 0.15553 | 0.00000 | 602892.1 | 468513.0 | 0.0 | S |
| 177.475 | 0.0000 | 0.0000 | 81.148 | 0.15553 | 0.00000 | 602892.1 | 468517.7 | 0.0 | S |
| 177.483 | 0.0000 | 0.0000 | 81.148 | 0.15552 | 0.00000 | 602892.1 | 468522.3 | 0.0 | S |
| 177.492 | 0.0000 | 0.0000 | 81.148 | 0.15551 | 0.00000 | 602892.1 | 468527.0 | 0.0 | S |
| 177.500 | 0.0000 | 0.0000 | 81.148 | 0.15550 | 0.00000 | 602892.1 | 468531.7 | 0.0 | S |
| 177.508 | 0.0000 | 0.0000 | 81.148 | 0.15550 | 0.00000 | 602892.1 | 468536.3 | 0.0 | S |
| 177.517 | 0.0000 | 0.0000 | 81.148 | 0.15549 | 0.00000 | 602892.1 | 468541.0 | 0.0 | S |
| 177.525 | 0.0000 | 0.0000 | 81.147 | 0.15548 | 0.00000 | 602892.1 | 468545.7 | 0.0 | S |
| 177.533 | 0.0000 | 0.0000 | 81.147 | 0.15547 | 0.00000 | 602892.4 | 468550.3 | 0.0 | S |
| 177.542 | 0.0000 | 0.0000 | 81.147 | 0.15546 | 0.00000 | 602892.1 | 468555.0 | 0.0 | S |
| 177.550 | 0.0000 | 0.0000 | 81.147 | 0.15546 | 0.00000 | 602892.1 | 468559.7 | 0.0 | S |
| 177.558 | 0.0000 | 0.0000 | 81.147 | 0.15545 | 0.00000 | 602892.1 | 468564.3 | 0.0 | S |
| 177.567 | 0.0000 | 0.0000 | 81.147 | 0.15544 | 0.00000 | 602892.1 | 468569.0 | 0.0 | S |
| 177.575 | 0.0000 | 0.0000 | 81.147 | 0.15543 | 0.00000 | 602892.1 | 468573.6 | 0.0 | S |
| 177.583 | 0.0000 | 0.0000 | 81.147 | 0.15543 | 0.00000 | 602892.1 | 468578.3 | 0.0 | S |
| 177.592 | 0.0000 | 0.0000 | 81.147 | 0.15542 | 0.00000 | 602892.1 | 468583.0 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{A}^{3 / 3}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 177.600 | 0.0000 | 0.0000 | 81.147 | 0.15541 | 0.00000 | 602892.1 | 468587.6 | 0.0 | S |
| 177.608 | 0.0000 | 0.0000 | 81.147 | 0.15540 | 0.00000 | 602892.1 | 468592.3 | 0.0 | S |
| 177.617 | 0.0000 | 0.0000 | 81.147 | 0.15539 | 0.00000 | 602892.1 | 468596.9 | 0.0 | S |
| 177.625 | 0.0000 | 0.0000 | 81.146 | 0.15539 | 0.00000 | 602892.1 | 468601.6 | 0.0 | S |
| 177.633 | 0.0000 | 0.0000 | 81.146 | 0.15538 | 0.00000 | 602892.1 | 468606.3 | 0.0 | S |
| 177.642 | 0.0000 | 0.0000 | 81.146 | 0.15537 | 0.00000 | 602892.1 | 468610.9 | 0.0 | S |
| 177.650 | 0.0000 | 0.0000 | 81.146 | 0.15536 | 0.00000 | 602892.1 | 468615.6 | 0.0 | S |
| 177.658 | 0.0000 | 0.0000 | 81.146 | 0.15536 | 0.00000 | 602892.1 | 468620.3 | 0.0 | S |
| 177.667 | 0.0000 | 0.0000 | 81.146 | 0.15535 | 0.00000 | 602892.1 | 468624.9 | 0.0 | S |
| 177.675 | 0.0000 | 0.0000 | 81.146 | 0.15534 | 0.00000 | 602892.1 | 468629.6 | 0.0 | S |
| 177.683 | 0.0000 | 0.0000 | 81.146 | 0.15533 | 0.00000 | 602892.1 | 468634.3 | 0.0 | S |
| 177.692 | 0.0000 | 0.0000 | 81.146 | 0.15532 | 0.00000 | 602892.1 | 468638.9 | 0.0 | S |
| 177.700 | 0.0000 | 0.0000 | 81.146 | 0.15532 | 0.00000 | 602892.1 | 468643.6 | 0.0 | S |
| 177.708 | 0.0000 | 0.0000 | 81.146 | 0.15531 | 0.00000 | 602892.1 | 468648.2 | 0.0 | S |
| 177.717 | 0.0000 | 0.0000 | 81.145 | 0.15530 | 0.00000 | 602892.1 | 468652.9 | 0.0 | S |
| 177.725 | 0.0000 | 0.0000 | 81.145 | 0.15529 | 0.00000 | 602892.1 | 468657.5 | 0.0 | S |
| 177.733 | 0.0000 | 0.0000 | 81.145 | 0.15529 | 0.00000 | 602892.1 | 468662.2 | 0.0 | S |
| 177.742 | 0.0000 | 0.0000 | 81.145 | 0.15528 | 0.00000 | 602892.1 | 468666.8 | 0.0 | S |
| 177.750 | 0.0000 | 0.0000 | 81.145 | 0.15527 | 0.00000 | 602892.1 | 468671.5 | 0.0 | S |
| 177.758 | 0.0000 | 0.0000 | 81.145 | 0.15526 | 0.00000 | 602892.1 | 468676.2 | 0.0 | S |
| 177.767 | 0.0000 | 0.0000 | 81.145 | 0.15525 | 0.00000 | 602892.1 | 468680.8 | 0.0 | 5 |
| 177.775 | 0.0000 | 0.0000 | 81.145 | 0.15525 | 0.00000 | 602892.1 | 468685.5 | 0.0 | 5 |
| 177.783 | 0.0000 | 0.0000 | 81.145 | 0.15524 | 0.00000 | 602892.1 | 468690.1 | 0.0 | S |
| 177.792 | 0.0000 | 0.0000 | 81.145 | 0.15523 | 0.00000 | 602892.1 | 468694.8 | 0.0 | 5 |
| 177.800 | 0.0000 | 0.0000 | 81.145 | 0.15522 | 0.00000 | 602892.1 | 468699.5 | 0.0 | S |
| 177.808 | 0.0000 | 0.0000 | 81.144 | 0.15522 | 0.00000 | 602892.1 | 468704.1 | 0.0 | S |
| 177.817 | 0.0000 | 0.0000 | 81.144 | 0.15521 | 0.00000 | 602892.1 | 468708.8 | 0.0 | S |
| 177.825 | 0.0000 | 0.0000 | 81.144 | 0.15520 | 0.00000 | 602892.1 | 468713.4 | 0.0 | S |
| 177.833 | 0.0000 | 0.0000 | 81.144 | 0.15519 | 0.00000 | 602892.1 | 468718.1 | 0.0 | S |
| 177.842 | 0.0000 | 0.0000 | 81.144 | 0.15518 | 0.00000 | 602892.1 | 468722.8 | 0.0 | 5 |
| 177.850 | 0.0000 | 0.0000 | 81.144 | 0.15518 | 0.00000 | 602892.1 | 468727.4 | 0.0 | S |
| 177.858 | 0.0000 | 0.0000 | 81.144 | 0.15517 | 0.00000 | 602892.1 | 468732.0 | 0.0 | S |
| 177.867 | 0.0000 | 0.0000 | 81.144 | 0.15516 | 0.00000 | 602892.1 | 468736.7 | 0.0 | S |
| 177.875 | 0.0000 | 0.0000 | 81.144 | 0.15515 | 0.00000 | 602892.1 | 468741.3 | 0.0 | S |
| 177.883 | 0.0000 | 0.0000 | 81.144 | 0.15515 | 0.00000 | 602892.1 | 468746.0 | 0.0 | S |
| 177.892 | 0.0000 | 0.0000 | 81.144 | 0.15514 | 0.00000 | 602892.1 | 468750.7 | 0.0 | S |
| 177.900 | 0.0000 | 0.0000 | 81.143 | 0.15513 | 0.00000 | 602892.1 | 468755.3 | 0.0 | S |
| 177.908 | 0.0000 | 0.0000 | 81.143 | 0.15512 | 0.00000 | 602892.1 | 468760.0 | 0.0 | S |
| 177.917 | 0.0000 | 0.0000 | 81.143 | 0.15511 | 0.00000 | 602892.1 | 468764.6 | 0.0 | S |
| 177.925 | 0.0000 | 0.0000 | 81.143 | 0.15511 | 0.00000 | 602892.1 | 468769.3 | 0.0 | S |
| 177.933 | 0.0000 | 0.0000 | 81.143 | 0.15510 | 0.00000 | 602892.1 | 468773.9 | 0.0 | S |
| 177.942 | 0.0000 | 0.0000 | 81.143 | 0.15509 | 0.00000 | 602892.1 | 468778.6 | 0.0 | S |
| 177.950 | 0.0000 | 0.0000 | 81.143 | 0.15508 | 0.00000 | 602892.1 | 468783.3 | 0.0 | S |
| 177.958 | 0.0000 | 0.0000 | 81.143 | 0.15508 | 0.00000 | 602892.1 | 468787.9 | 0.0 | S |
| 177.967 | 0.0000 | 0.0000 | 81.143 | 0.15507 | 0.00000 | 602892.1 | 468792.5 | 0.0 | S |
| 177.975 | 0.0000 | 0.0000 | 81.143 | 0.15506 | 0.00000 | 602892.1 | 468797.2 | 0.0 | S |
| 177.983 | 0.0000 | 0.0000 | 81.143 | 0.15505 | 0.00000 | 602892.1 | 468801.8 | 0.0 | 5 |
| 177.992 | 0.0000 | 0.0000 | 81.142 | 0.15505 | 0.00000 | 602892.1 | 468806.5 | 0.0 | S |
| 178.000 | 0.0000 | 0.0000 | 81.142 | 0.15504 | 0.00000 | 602892.1 | 468811.2 | 0.0 | S |
| 178.008 | 0.0000 | 0.0000 | 81.142 | 0.15503 | 0.00000 | 602892.1 | 468815.8 | 0.0 | S |
| 178.017 | 0.0000 | 0.0000 | 81.142 | 0.15502 | 0.00000 | 602892.1 | 468820.4 | 0.0 | S |
| 178.025 | 0.0000 | 0.0000 | 81.142 | 0.15501 | 0.00000 | 602892.1 | 468825.1 | 0.0 | S |
| 178.033 | 0.0000 | 0.0000 | 81.142 | 0.15501 | 0.00000 | 602892.1 | 468829.8 | 0.0 | S |
| 178.042 | 0.0000 | 0.0000 | 81.142 | 0.15500 | 0.00000 | 602892.1 | 468834.4 | 0.0 | S |
| 178.050 | 0.0000 | 0.0000 | 81.142 | 0.15499 | 0.00000 | 602892.1 | 468839.1 | 0.0 | S |
| 178.058 | 0.0000 | 0.0000 | 81.142 | 0.15498 | 0.00000 | 602892.1 | 468843.7 | 0.0 | S |
| 178.067 | 0.0000 | 0.0000 | 81.142 | 0.15498 | 0.00000 | 602892.1 | 468848.3 | 0.0 | S |
| 178.075 | 0.0000 | 0.0000 | 81.142 | 0.15497 | 0.00000 | 602892.1 | 468853.0 | 0.0 | S |
| 178.083 | 0.0000 | 0.0000 | 81.142 | 0.15496 | 0.00000 | 602892.1 | 468857.7 | 0.0 | S |
| 178.092 | 0.0000 | 0.0000 | 81.141 | 0.15495 | 0.00000 | 602892.1 | 468862.3 | 0.0 | S |
| 178.100 | 0.0000 | 0.0000 | 81.141 | 0.15494 | 0.00000 | 602892.1 | 468866.9 | 0.0 | S |
| 178.108 | 0.0000 | 0.0000 | 81.141 | 0.15494 | 0.00000 | 602892.1 | 468871.6 | 0.0 | S |
| 178.117 | 0.0000 | 0.0000 | 81.141 | 0.15493 | 0.00000 | 602892.1 | 468876.3 | 0.0 | S |
| 178.125 | 0.0000 | 0.0000 | 81.141 | 0.15492 | 0.00000 | 602892.1 | 468880.9 | 0.0 | S |
| 178.133 | 0.0000 | 0.0000 | 81.141 | 0.15491 | 0.00000 | 602892.1 | 468885.5 | 0.0 | S |
| 178.142 | 0.0000 | 0.0000 | 81.141 | 0.15491 | 0.00000 | 602892.1 | 468890.2 | 0.0 | S |
| 178.150 | 0.0000 | 0.0000 | 81.141 | 0.15490 | 0.00000 | 602892.1 | 468894.8 | 0.0 | S |
| 178.158 | 0.0000 | 0.0000 | 81.141 | 0.15489 | 0.00000 | 602892.1 | 468899.5 | 0.0 | S |
| 178.167 | 0.0000 | 0.0000 | 81.141 | 0.15488 | 0.00000 | 602892.1 | 468904.1 | 0.0 | S |
| 178.175 | 0.0000 | 0.0000 | 81.141 | 0.15487 | 0.00000 | 602892.1 | 468908.8 | 0.0 | S |
| 178.183 | 0.0000 | 0.0000 | 81.140 | 0.15487 | 0.00000 | 602892.1 | 468913.4 | 0.0 | S |
| 178.192 | 0.0000 | 0.0000 | 81.140 | 0.15486 | 0.00000 | 602892.1 | 468918.1 | 0.0 | S |
| 178.200 | 0.0000 | 0.0000 | 81.140 | 0.15485 | 0.00000 | 602892.1 | 468922.7 | 0.0 | S |
| 178.208 | 0.0000 | 0.0000 | 81.140 | 0.15484 | 0.00000 | 602892.1 | 468927.3 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumułative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume (ft3) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 178.217 | 0.0000 | 0.0000 | 81.140 | 0.15484 | 0.00000 | 602892.1 | 468932.0 | 0.0 | S |
| 178.225 | 0.0000 | 0.0000 | 81.140 | 0.15483 | 0.00000 | 602892.1 | 468936.7 | 0.0 | S |
| 178.233 | 0.0000 | 0.0000 | 81.140 | 0.15482 | 0.00000 | 602892.1 | 468941.3 | 0.0 | S |
| 178.242 | 0.0000 | 0.0000 | 81.140 | 0.15481 | 0.00000 | 602892.1 | 468945.9 | 0.0 | S |
| 178.250 | 0.0000 | 0.0000 | 81.140 | 0.15481 | 0.00000 | 602892.1 | 468950.6 | 0.0 | S |
| 178.258 | 0.0000 | 0.0000 | 81.140 | 0.15480 | 0.00000 | 602892.1 | 468955.2 | 0.0 | S |
| 178.267 | 0.0000 | 0.0000 | 81.140 | 0.15479 | 0.00000 | 602892.1 | 468959.9 | 0.0 | S |
| 178.275 | 0.0000 | 0.0000 | 81.139 | 0.15478 | 0.00000 | 602892.1 | 468964.5 | 0.0 | S |
| 178.283 | 0.0000 | 0.0000 | 81.139 | 0.15477 | 0.00000 | 602892.1 | 468969.2 | 0.0 | S |
| 178.292 | 0.0000 | 0.0000 | 81.139 | 0.15477 | 0.00000 | 602892.1 | 468973.8 | 0.0 | S |
| 178.300 | 0.0000 | 0.0000 | 81.139 | 0.15476 | 0.00000 | 602892.1 | 468978.4 | 0.0 | S |
| 178.308 | 0.0000 | 0.0000 | 81.139 | 0.15475 | 0.00000 | 602892.1 | 468983.1 | 0.0 | S |
| 178.317 | 0.0000 | 0.0000 | 81.139 | 0.15474 | 0.00000 | 602892.1 | 468987.7 | 0.0 | S |
| 178.325 | 0.0000 | 0.0000 | 81.139 | 0.15474 | 0.00000 | 602892.1 | 468992.4 | 0.0 | S |
| 178.333 | 0.0000 | 0.0000 | 81.139 | 0.15473 | 0.00000 | 602892.1 | 468997.0 | 0.0 | S |
| 178.342 | 0.0000 | 0.0000 | 81.139 | 0.15472 | 0.00000 | 602892.1 | 469001.7 | 0.0 | S |
| 178.350 | 0.0000 | 0.0000 | 81.139 | 0.15471 | 0.00000 | 602892.1 | 469006.3 | 0.0 | S |
| 178.358 | 0.0000 | 0.0000 | 81.139 | 0.15471 | 0.00000 | 602892.1 | 469010.9 | 0.0 | S |
| 178.367 | 0.0000 | 0.0000 | 81.138 | 0.15470 | 0.00000 | 602892.1 | 469015.6 | 0.0 | S |
| 178.375 | 0.0000 | 0.0000 | 81.138 | 0.15469 | 0.00000 | 602892.1 | 469020.2 | 0.0 | S |
| 178.383 | 0.0000 | 0.0000 | 81.138 | 0.15468 | 0.00000 | 602892.1 | 469024.8 | 0.0 | S |
| 178.392 | 0.0000 | 0.0000 | 81.138 | 0.15467 | 0.00000 | 602892.1 | 469029.5 | 0.0 | S |
| 178.400 | 0.0000 | 0.0000 | 81.138 | 0.15467 | 0.00000 | 602892.1 | 469034.1 | 0.0 | S |
| 178.408 | 0.0000 | 0.0000 | 81.138 | 0.15466 | 0.00000 | 602892.1 | 469038.8 | 0.0 | S |
| 178.417 | 0.0000 | 0.0000 | 81.138 | 0.15465 | 0.00000 | 602892.1 | 469043.4 | 0.0 | S |
| 178.425 | 0.0000 | 0.0000 | 81.138 | 0.15464 | 0.00000 | 602892.1 | 469048.1 | 0.0 | S |
| 178.433 | 0.0000 | 0.0000 | 81.138 | 0.15464 | 0.00000 | 602892.1 | 469052.7 | 0.0 | S |
| 178.442 | 0.0000 | 0.0000 | 81.138 | 0.15463 | 0.00000 | 602892.1 | 469057.3 | 0.0 | S |
| 178.450 | 0.0000 | 0.0000 | 81.138 | 0.15462 | 0.00000 | 602892.1 | 469062.0 | 0.0 | S |
| 178.458 | 0.0000 | 0.0000 | 81.138 | 0.15461 | 0.00000 | 602892.1 | 469066.6 | 0.0 | S |
| 178.467 | 0.0000 | 0.0000 | 81.137 | 0.15460 | 0.00000 | 602892.1 | 469071.3 | 0.0 | S |
| 178.475 | 0.0000 | 0.0000 | 81.137 | 0.15460 | 0.00000 | 602892.1 | 469075.9 | 0.0 | S |
| 178.483 | 0.0000 | 0.0000 | 81.137 | 0.15459 | 0.00000 | 602892.1 | 469080.5 | 0.0 | S |
| 178.492 | 0.0000 | 0.0000 | 81.137 | 0.15458 | 0.00000 | 602892.1 | 469085.2 | 0.0 | S |
| 178.500 | 0.0000 | 0.0000 | 81.137 | 0.15457 | 0.00000 | 602892.1 | 469089.8 | 0.0 | S |
| 178.508 | 0.0000 | 0.0000 | 81.137 | 0.15457 | 0.00000 | 602892.1 | 469094.4 | 0.0 | S |
| 178.517 | 0.0000 | 0.0000 | 81.137 | 0.15456 | 0.00000 | 602892.1 | 469099.1 | 0.0 | S |
| 178.525 | 0.0000 | 0.0000 | 81.137 | 0.15455 | 0.00000 | 602892.1 | 469103.7 | 0.0 | S |
| 178.533 | 0.0000 | 0.0000 | 81.137 | 0.15454 | 0.00000 | 602892.1 | 469108.3 | 0.0 | S |
| 178.542 | 0.0000 | 0.0000 | 81.137 | 0.15454 | 0.00000 | 602892.1 | 469113.0 | 0.0 | S |
| 178.550 | 0.0000 | 0.0000 | 81.137 | 0.15453 | 0.00000 | 602892.1 | 469117.6 | 0.0 | S |
| 178.558 | 0.0000 | 0.0000 | 81.136 | 0.15452 | 0.00000 | 602892.1 | 469122.3 | 0.0 | S |
| 178.567 | 0.0000 | 0.0000 | 81.136 | 0.15451 | 0.00000 | 602892.1 | 469126.9 | 0.0 | S |
| 178.575 | 0.0000 | 0.0000 | 81.136 | 0.15450 | 0.00000 | 602892.1 | 468131.5 | 0.0 | S |
| 178.583 | 0.0000 | 0.0000 | 81.136 | 0.15450 | 0.00000 | 602892.1 | 469136.2 | 0.0 | S |
| 178.592 | 0.0000 | 0.0000 | 81.136 | 0.15449 | 0.00000 | 602892.1 | 469140.8 | 0.0 | S |
| 178.600 | 0.0000 | 0.0000 | 81.136 | 0.15448 | 0.00000 | 602892.1 | 469145.4 | 0.0 | S |
| 178.608 | 0.0000 | 0.0000 | 81.136 | 0.15447 | 0.00000 | 602892.1 | 469150.1 | 0.0 | S |
| 178.617 | 0.0000 | 0.0000 | 81.136 | 0.15447 | 0.00000 | 602892.1 | 469154.7 | 0.0 | S |
| 178.625 | 0.0000 | 0.0000 | 81.136 | 0.15446 | 0.00000 | 602892.1 | 469159.3 | 0.0 | S |
| 178.633 | 0.0000 | 0.0000 | 81.136 | 0.15445 | 0.00000 | 602892.1 | 469164.0 | 0.0 | S |
| 178.642 | 0.0000 | 0.0000 | 81.136 | 0.15444 | 0.00000 | 602892.1 | 469168.6 | 0.0 | S |
| 178.650 | 0.0000 | 0.0000 | 81.135 | 0.15444 | 0.00000 | 602892.1 | 469173.2 | 0.0 | S |
| 178.658 | 0.0000 | 0.0000 | 81.135 | 0.15443 | 0.00000 | 602892.1 | 469177.9 | 0.0 | S |
| 178.667 | 0.0000 | 0.0000 | 81.135 | 0.15442 | 0.00000 | 602892.1 | 469182.5 | 0.0 | S |
| 178.675 | 0.0000 | 0.0000 | 81.135 | 0.15441 | 0.00000 | 602892.1 | 469187.1 | 0.0 | S |
| 178.683 | 0.0000 | 0.0000 | 81.135 | 0.15440 | 0.00000 | 602892.1 | 469191.8 | 0.0 | S |
| 178.692 | 0.0000 | 0.0000 | 81.135 | 0.15440 | 0.00000 | 602892.1 | 469196.4 | 0.0 | S |
| 178.700 | 0.0000 | 0.0000 | 81.135 | 0.15439 | 0.00000 | 602892.1 | 469201.0 | 0.0 | S |
| 178.708 | 0.0000 | 0.0000 | 81.135 | 0.15438 | 0.00000 | 602892.1 | 469205.7 | 0.0 | S |
| 178.717 | 0.0000 | 0.0000 | 81.135 | 0.15437 | 0.00000 | 602892.1 | 469210.3 | 0.0 | S |
| 178.725 | 0.0000 | 0.0000 | 81.135 | 0.15437 | 0.00000 | 602892.1 | 469214.9 | 0.0 | S |
| 178.733 | 0.0000 | 0.0000 | 81.135 | 0.15436 | 0.00000 | 602892.1 | 469219.6 | 0.0 | S |
| 178.742 | 0.0000 | 0.0000 | 81.134 | 0.15435 | 0.00000 | 602892.1 | 469224.2 | 0.0 | S |
| 178.750 | 0.0000 | 0.0000 | 81.134 | 0.15434 | 0.00000 | 602892.1 | 469228.8 | 0.0 | S |
| 178.758 | 0.0000 | 0.0000 | 81.134 | 0.15434 | 0.00000 | 602892.1 | 469233.4 | 0.0 | S |
| 178.767 | 0.0000 | 0.0000 | 81.134 | 0.15433 | 0.00000 | 602892.1 | 469238.1 | 0.0 | S |
| 178.775 | 0.0000 | 0.0000 | 81.134 | 0.15432 | 0.00000 | 602892.1 | 469242.7 | 0.0 | S |
| 178.783 | 0.0000 | 0.0000 | 81.134 | 0.15431 | 0.00000 | 602892.1 | 469247.3 | 0.0 | S |
| 178.792 | 0.0000 | 0.0000 | 81.134 | 0.15430 | 0.00000 | 602892.1 | 469252.0 | 0.0 | S |
| 178.800 | 0.0000 | 0.0000 | 81.134 | 0.15430 | 0.00000 | 602892.1 | 469256.6 | 0.0 | S |
| 178.808 | 0.0000 | 0.0000 | 81.134 | 0.15429 | 0.00000 | 602892.1 | 469261.2 | 0.0 | S |
| 178.817 | 0.0000 | 0.0000 | 81.134 | 0.15428 | 0.00000 | 602892.1 | 469265.8 | 0.0 | S |
| 178.825 | 0.0000 | 0.0000 | 81.134 | 0.15427 | 0.00000 | 602892.1 | 469270.5 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / 3}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 178.833 | 0.0000 | 0.0000 | 81.134 | 0.15427 | 0.00000 | 602892.1 | 469275.1 | 0.0 | S |
| 178.842 | 0.0000 | 0.0000 | 81.133 | 0.15426 | 0.00000 | 602892.1 | 469279.7 | 0.0 | S |
| 178.850 | 0.0000 | 0.0000 | 81.133 | 0.15425 | 0.00000 | 602892.1 | 469284.3 | 0.0 | S |
| 178.858 | 0.0000 | 0.0000 | 81.133 | 0.15424 | 0.00000 | 602892.1 | 469289.0 | 0.0 | S |
| 178.867 | 0.0000 | 0.0000 | 81.133 | 0.15424 | 0.00000 | 602892.1 | 469293.6 | 0.0 | S |
| 178.875 | 0.0000 | 0.0000 | 81.133 | 0.15423 | 0.00000 | 602892.1 | 469298.3 | 0.0 | S |
| 178.883 | 0.0000 | 0.0000 | 81.133 | 0.15422 | 0.00000 | 602892.1 | 469302.9 | 0.0 | S |
| 178.892 | 0.0000 | 0.0000 | 81.133 | 0.15421 | 0.00000 | 602892.1 | 469307.5 | 0.0 | S |
| 178.900 | 0.0000 | 0.0000 | 81.133 | 0.15420 | 0.00000 | 602892.1 | 469312.1 | 0.0 | S |
| 178.908 | 0.0000 | 0.0000 | 81.133 | 0.15420 | 0.00000 | 602892.1 | 469316.8 | 0.0 | S |
| 178.917 | 0.0000 | 0.0000 | 81.133 | 0.15419 | 0.00000 | 602892.1 | 469321.4 | 0.0 | S |
| 178.925 | 0.0000 | 0.0000 | 81.133 | 0.15418 | 0.00000 | 602892.1 | 469326.0 | 0.0 | S |
| 178.933 | 0.0000 | 0.0000 | 81.132 | 0.15417 | 0.00000 | 602892.1 | 469330.6 | 0.0 | S |
| 178.942 | 0.0000 | 0.0000 | 81.132 | 0.15417 | 0.00000 | 602892.1 | 469335.3 | 0.0 | S |
| 178.950 | 0.0000 | 0.0000 | 81.132 | 0.15416 | 0.00000 | 602892.1 | 469339.9 | 0.0 | S |
| 178.958 | 0.0000 | 0.0000 | 81.132 | 0.15415 | 0.00000 | 602892.1 | 469344.5 | 0.0 | S |
| 178.967 | 0.0000 | 0.0000 | 81.132 | 0.15414 | 0.00000 | 602892.1 | 469349.1 | 0.0 | S |
| 178.975 | 0.0000 | 0.0000 | 81.132 | 0.15414 | 0.00000 | 602892.1 | 469353.8 | 0.0 | S |
| 178.983 | 0.0000 | 0.0000 | 81.132 | 0.15413 | 0.00000 | 602892.1 | 469358.4 | 0.0 | S |
| 178.992 | 0.0000 | 0.0000 | 81.132 | 0.15412 | 0.00000 | 602892.1 | 469363.0 | 0.0 | S |
| 179.000 | 0.0000 | 0.0000 | 81.132 | 0.15411 | 0.00000 | 602892.1 | 469367.6 | 0.0 | S |
| 179.008 | 0.0000 | 0.0000 | 81.132 | 0.15411 | 0.00000 | 602892.1 | 469372.3 | 0.0 | S |
| 179.017 | 0.0000 | 0.0000 | 81.132 | 0.15410 | 0.00000 | 602892.1 | 469376.9 | 0.0 | S |
| 179.025 | 0.0000 | 0.0000 | 81.131 | 0.15409 | 0.00000 | 602892.1 | 469381.5 | 0.0 | S |
| $\$ 79.033$ | 0.0000 | 0.0000 | 81.131 | 0.15408 | 0.00000 | 602892.1 | 469386.1 | 0.0 | S |
| \$79.042 | 0.0000 | 0.0000 | 81.131 | 0.15407 | 0.00000 | 602892.1 | 469390.7 | 0.0 | S |
| 179.050 | 0.0000 | 0.0000 | 81.131 | 0.15407 | 0.00000 | 602892.1 | 469395.3 | 0.0 | S |
| 179.058 | 0.0000 | 0.0000 | 81.131 | 0.15406 | 0.00000 | 602892.1 | 469400.0 | 0.0 | S |
| 179.067 | 0.0000 | 0.0000 | 81.131 | 0.15405 | 0.00000 | 602892.1 | 469404.6 | 0.0 | S |
| 179.075 | 0.0000 | 0.0000 | 81.131 | 0.15404 | 0.00000 | 602892.1 | 469409.2 | 0.0 | S |
| 179.083 | 0.0000 | 0.0000 | 81.131 | 0.15404 | 0.00000 | 602892.1 | 469413.8 | 0.0 | S |
| 179.092 | 0.0000 | 0.0000 | 81.131 | 0.15403 | 0.00000 | 602892.1 | 469418.5 | 0.0 | S |
| 179.100 | 0.0000 | 0.0000 | 81.131 | 0.15402 | 0.00000 | 602892.1 | 469423.1 | 0.0 | S |
| 179.108 | 0.0000 | 0.0000 | 81.131 | 0.15401 | 0.00000 | 602892.1 | 469427.7 | 0.0 | S |
| 179.117 | 0.0000 | 0.0000 | 81.130 | 0.15401 | 0.00000 | 602892.1 | 469432.3 | 0.0 | S |
| 179.125 | 0.0000 | 0.0000 | 81.130 | 0.15400 | 0.00000 | 602892.1 | 469436.9 | 0.0 | S |
| 179.133 | 0.0000 | 0.0000 | 81.130 | 0.15399 | 0.00000 | 602892.1 | 469441.6 | 0.0 | S |
| 179.142 | 0.0000 | 0.0000 | 81.130 | 0.15398 | 0.00000 | 602892.1 | 469446.2 | 0.0 | S |
| 179.150 | 0.0000 | 0.0000 | 81.130 | 0.15398 | 0.00000 | 602892.1 | 469450.8 | 0.0 | S |
| 179.158 | 0.0000 | 0.0000 | 81.130 | 0.15397 | 0.00000 | 602892.1 | 469455.4 | 0.0 | S |
| 179.167 | 0.0000 | 0.0000 | 81.130 | 0.15396 | 0.00000 | 602892.1 | 469460.0 | 0.0 | S |
| 179.175 | 0.0000 | 0.0000 | 81.130 | 0.15395 | 0.00000 | 602892.1 | 469464.7 | 0.0 | S |
| 179.183 | 0.0000 | 0.0000 | 81.130 | 0.15394 | 0.00000 | 602892.1 | 469469.3 | 0.0 | S |
| 179.192 | 0.0000 | 0.0000 | 81.130 | 0.15394 | 0.00000 | 602892.1 | 469473.9 | 0.0 | S |
| 179.200 | 0.0000 | 0.0000 | 81.130 | 0.15393 | 0.00000 | 602892.1 | 469478.5 | 0.0 | S |
| 179.208 | 0.0000 | 0.0000 | 81.130 | 0.15392 | 0.00000 | 602892.1 | 469483.1 | 0.0 | S |
| 179.217 | 0.0000 | 0.0000 | 81.129 | 0.15391 | 0.00000 | 602892.1 | 469487.8 | 0.0 | S |
| 179.225 | 0.0000 | 0.0000 | 81.129 | 0.15391 | 0.00000 | 602892.1 | 469492.4 | 0.0 | S |
| 179.233 | 0.0000 | 0.0000 | 81.129 | 0.15390 | 0.00000 | 602892.1 | 469497.0 | 0.0 | S |
| 179.242 | 0.0000 | 0.0000 | 81.129 | 0.15389 | 0.00000 | 602892.1 | 469501.6 | 0.0 | S |
| \$79.250 | 0.0000 | 0.0000 | 81.129 | 0.15388 | 0.00000 | 602892.1 | 469506.2 | 0.0 | S |
| 179.258 | 0.0000 | 0.0000 | 81.129 | 0.15388 | 0.00000 | 602892.1 | 469510.8 | 0.0 | S |
| 179.267 | 0.0000 | 0.0000 | 81.129 | 0.15387 | 0.00000 | 602892.1 | 469515.4 | 0.0 | S |
| 179.275 | 0.0000 | 0.0000 | 81.129 | 0.15386 | 0.00000 | 602892.1 | 469520.1 | 0.0 | S |
| 179.283 | 0.0000 | 0.0000 | 81.129 | 0.15385 | 0.00000 | 602892.1 | 469524.7 | 0.0 | S |
| 179.292 | 0.0000 | 0.0000 | 81.129 | 0.15385 | 0.00000 | 602892.1 | 469529.3 | 0.0 | S |
| 179.300 | 0.0000 | 0.0000 | 81.129 | 0.15384 | 0.00000 | 602892.1 | 469533.9 | 0.0 | S |
| 179.308 | 0.0000 | 0.0000 | 81.128 | 0.15383 | 0.00000 | 602892.1 | 469538.5 | 0.0 | S |
| 179.317 | 0.0000 | 0.0000 | 81.128 | 0.15382 | 0.00000 | 602892.1 | 469543.1 | 0.0 | S |
| 179.325 | 0.0000 | 0.0000 | 81.128 | 0.15381 | 0.00000 | 602892.1 | 469547.8 | 0.0 | S |
| 179.333 | 0.0000 | 0.0000 | 81.128 | 0.15381 | 0.00000 | 602892.1 | 469552.4 | 0.0 | S |
| 179.342 | 0.0000 | 0.0000 | 81.128 | 0.15380 | 0.00000 | 602892.1 | 469557.0 | 0.0 | S |
| 179.350 | 0.0000 | 0.0000 | 81.128 | 0.15379 | 0.00000 | 602892.1 | 469561.6 | 0.0 | S |
| 179.358 | 0.0000 | 0.0000 | 81.128 | 0.15378 | 0.00000 | 602892.1 | 469566.2 | 0.0 | S |
| 179.367 | 0.0000 | 0.0000 | 81.128 | 0.15378 | 0.00000 | 602892.1 | 469570.8 | 0.0 | S |
| 179.375 | 0.0000 | 0.0000 | 81.128 | 0.15377 | 0.00000 | 602892.1 | 469575.4 | 0.0 | S |
| 179.383 | 0.0000 | 0.0000 | 81.128 | 0.15376 | 0.00000 | 602892.1 | 469580.1 | 0.0 | S |
| 179.392 | 0.0000 | 0.0000 | 81.128 | 0.15375 | 0.00000 | 602892.1 | 469584.7 | 0.0 | S |
| 179.400 | 0.0000 | 0.0000 | 81.127 | 0.15375 | 0.00000 | 602892.1 | 469589.3 | 0.0 | S |
| 179.408 | 0.0000 | 0.0000 | 81.127 | 0.15374 | 0.00000 | 602892.1 | 469593.9 | 0.0 | S |
| 179.417 | 0.0000 | 0.0000 | 81.127 | 0.15373 | 0.00000 | 602892.1 | 469598.5 | 0.0 | S |
| 179.425 | 0.0000 | 0.0000 | 81.127 | 0.15372 | 0.00000 | 602892.1 | 469603.1 | 0.0 | S |
| 179.433 | 0.0000 | 0.0000 | 81.127 | 0.15372 | 0.00000 | 602892.1 | 469607.7 | 0.0 | S |
| 179.442 | 0.0000 | 0.0000 | 81.127 | 0.15371 | 0.00000 | 602892.1 | 469612.3 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario $1::$ pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | inflow Rate (ft ${ }^{3} / \mathrm{s}$ ) | Outside Recharge (IV/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / 5}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 179.450 | 0.0000 | 0.0000 | 81.127 | 0.15370 | 0.00000 | 602892.1 | 469616.9 | 0.0 | S |
| 179.458 | 0.0000 | 0.0000 | 81.127 | 0.15369 | 0.00000 | 602892.1 | 469621.6 | 0.0 | S |
| 179.467 | 0.0000 | 0.0000 | 81.127 | 0.15368 | 0.00000 | 602892.1 | 469626.2 | 0.0 | S |
| 179.475 | 0.0000 | 0.0000 | 81.127 | 0.15368 | 0.00000 | 602892.1 | 469630.8 | 0.0 | S |
| 179.483 | 0.0000 | 0.0000 | 81.127 | 0.15367 | 0.00000 | 602892,1 | 469635.4 | 0.0 | S |
| 179.492 | 0.0000 | 0.0000 | 81.127 | 0.15366 | 0.00000 | 602892.1 | 469640.0 | 0.0 | S |
| 179.500 | 0.0000 | 0.0000 | 81.126 | 0.15365 | 0.00000 | 602892.1 | 469644.6 | 0.0 | S |
| 179.508 | 0.0000 | 0.0000 | 81.126 | 0.15365 | 0.00000 | 602892.1 | 469649.2 | 0.0 | S |
| 179.517 | 0.0000 | 0.0000 | 81.126 | 0.15364 | 0.00000 | 602892.1 | 469653.8 | 0.0 | S |
| 179.525 | 0.0000 | 0.0000 | 81.126 | 0.15363 | 0.00000 | 602892.1 | 469658.4 | 0.0 | S |
| 179.533 | 0.0000 | 0.0000 | 81.126 | 0.15362 | 0.00000 | 602892.1 | 469663.0 | 0.0 | S |
| 179.542 | 0.0000 | 0.0000 | 81.126 | 0.15362 | 0.00000 | 602892.1 | 469667.7 | 0.0 | S |
| 179.550 | 0.0000 | 0.0000 | 81.126 | 0.15361 | 0.00000 | 602892.1 | 469672.3 | 0.0 | S |
| 179.558 | 0.0000 | 0.0000 | 81.126 | 0.15360 | 0.00000 | 602892.1 | 469676.9 | 0.0 | S |
| 179.567 | 0.0000 | 0.0000 | 81.126 | 0.15359 | 0.00000 | 602892.1 | 469681.5 | 0.0 | S |
| 179.575 | 0.0000 | 0.0000 | 81.126 | 0.15359 | 0.00000 | 602892.1 | 469686.1 | 0.0 | S |
| 179.583 | 0.0000 | 0.0000 | 81.126 | 0.15358 | 0.00000 | 602892.1 | 469690.7 | 0.0 | S |
| 179.592 | 0.0000 | 0.0000 | 81.125 | 0.15357 | 0.00000 | 602892.1 | 469695.3 | 0.0 | S |
| 179.600 | 0.0000 | 0.0000 | 81.125 | 0.15356 | 0.00000 | 602892.1 | 469699.9 | 0.0 | S |
| 179.608 | 0.0000 | 0.0000 | 81.125 | 0.15356 | 0.00000 | 602892.1 | 469704.5 | 0.0 | S |
| 179.617 | 0.0000 | 0.0000 | 81.125 | 0.15355 | 0.00000 | 602892.1 | 469709.1 | 0.0 | S |
| 179.625 | 0.0000 | 0.0000 | 81.125 | 0.15354 | 0.00000 | 602892.1 | 469713.7 | 0.0 | S |
| 179.633 | 0.0000 | 0.0000 | 81.125 | 0.15353 | 0.00000 | 602892.1 | 469718.3 | 0.0 | S |
| 179.642 | 0.0000 | 0.0000 | 81.125 | 0.15352 | 0.00000 | 602892.1 | 469722.9 | 0.0 | S |
| 179.650 | 0.0000 | 0.0000 | 81.125 | 0.15352 | 0.00000 | 602892.1 | 469727.5 | 0.0 | S |
| 179.658 | 0.0000 | 0.0000 | 81.125 | 0.15351 | 0.00000 | 602892.1 | 469732.2 | 0.0 | S |
| 179.667 | 0.0000 | 0.0000 | 81.125 | 0.15350 | 0.00000 | 602892.1 | 469736.8 | 0.0 | S |
| 179.675 | 0.0000 | 0.0000 | 81.125 | 0.15349 | 0.00000 | 602892.1 | 469741.3 | 0.0 | S |
| 179.683 | 0.0000 | 0.0000 | 81.124 | 0.15349 | 0.00000 | 602892.1 | 469746.0 | 0.0 | S |
| 179.692 | 0.0000 | 0.0000 | 81.124 | 0.15348 | 0.00000 | 602892.1 | 469750.6 | 0.0 | S |
| 179.700 | 0.0000 | 0.0000 | 81.124 | 0.15347 | 0.00000 | 602892.1 | 469755.2 | 0.0 | S |
| 179.708 | 0.0000 | 0.0000 | 81.124 | 0.15346 | 0.00000 | 602892.1 | 469759.8 | 0.0 | S |
| 179.717 | 0.0000 | 0.0000 | 81.124 | 0.15346 | 0.00000 | 602892.1 | 469764.4 | 0.0 | S |
| 179.725 | 0.0000 | 0.0000 | 81.124 | 0.15345 | 0.00000 | 602892.1 | 469769.0 | 0.0 | S |
| 179.733 | 0.0000 | 0.0000 | 81.124 | 0.15344 | 0.00000 | 602892.1 | 469773.6 | 0.0 | S |
| 179.742 | 0.0000 | 0.0000 | 81.124 | 0.15343 | 0.00000 | 602892.1 | 469778.2 | 0.0 | S |
| 179.750 | 0.0000 | 0.0000 | 81.124 | 0.15343 | 0.00000 | 602892.1 | 469782.8 | 0.0 | S |
| 179.758 | 0.0000 | 0.0000 | 81.124 | 0.15342 | 0.00000 | 602892.1 | 469787.4 | 0.0 | S |
| 179.767 | 0.0000 | 0.0000 | 81.124 | 0.15341 | 0.00000 | 602892.1 | 469792.0 | 0.0 | S |
| 179.775 | 0.0000 | 0.0000 | 81.123 | 0.15340 | 0.00000 | 602892.1 | 469796.6 | 0.0 | S |
| 179.783 | 0.0000 | 0.0000 | 81.123 | 0.15340 | 0.00000 | 602892.1 | 469801.2 | 0.0 | S |
| 179.792 | 0.0000 | 0.0000 | 81.123 | 0.15339 | 0.00000 | 602892.1 | 469805.8 | 0.0 | S |
| 179.800 | 0.0000 | 0.0000 | 81.123 | 0.15338 | 0.00000 | 602892.1 | 469810.4 | 0.0 | S |
| 179.808 | 0.0000 | 0.0000 | 81.123 | 0.15337 | 0.00000 | 602892.1 | 469815.0 | 0.0 | S |
| 179.817 | 0.0000 | 0.0000 | 81.123 | 0.15337 | 0.00000 | 602892.1 | 469819.6 | 0.0 | S |
| 179.825 | 0.0000 | 0.0000 | 81.123 | 0.75336 | 0.00000 | 602892.1 | 469824.2 | 0.0 | S |
| 179.833 | 0.0000 | 0.0000 | 81.123 | 0.15335 | 0.00000 | 602892.1 | 469828.8 | 0.0 | S |
| 179.842 | 0.0000 | 0.0000 | 81.123 | 0.15334 | 0.00000 | 602892.1 | 469833.4 | 0.0 | S |
| 179.850 | 0.0000 | 0.0000 | 81.123 | 0.15333 | 0.00000 | 602892.1 | 469838.0 | 0.0 | S |
| 179.858 | 0.0000 | 0.0000 | 81.123 | 0.15333 | 0.00000 | 602892.1 | 469842.6 | 0.0 | S |
| 179.867 | 0.0000 | 0.0000 | 81.123 | 0.15332 | 0.00000 | 602892.1 | 469847.2 | 0.0 | S |
| 179.875 | 0.0000 | 0.0000 | 81.122 | 0.15331 | 0.00000 | 602892.1 | 469851.8 | 0.0 | S |
| 179.883 | 0.0000 | 0.0000 | 81.122 | 0.15330 | 0.00000 | 602892.1 | 469856.4 | 0.0 | S |
| 179.892 | 0.0000 | 0.0000 | 81.122 | 0.15330 | 0.00000 | 602892.1 | 469861.0 | 0.0 | S |
| 179.900 | 0.0000 | 0.0000 | 81.122 | 0.15329 | 0.00000 | 602892.1 | 469865.6 | 0.0 | S |
| \$79.908 | 0.0000 | 0.0000 | 81.122 | 0.15328 | 0.00000 | 602892.1 | 469870.2 | 0.0 | S |
| 179.917 | 0.0000 | 0.0000 | 81.122 | 0.15327 | 0.00000 | 602892.1 | 469874.8 | 0.0 | S |
| 179.925 | 0.0000 | 0.0000 | 81.122 | 0.15327 | 0.00000 | 602892.1 | 469879.4 | 0.0 | S |
| 179.933 | 0.0000 | 0.0000 | 81.122 | 0.45326 | 0.00000 | 602892.1 | 469884.0 | 0.0 | S |
| 179.942 | 0.0000 | 0.0000 | 81.122 | 0.15325 | 0.00000 | 602892.1 | 469888.6 | 0.0 | S |
| 179.950 | 0.0000 | 0.0000 | 81.122 | 0.15324 | 0.00000 | 602892.1 | 469893.2 | 0.0 | S |
| 179.958 | 0.0000 | 0.0000 | 81.122 | 0.15324 | 0.00000 | 602892.1 | 469897.8 | 0.0 | S |
| 179.967 | 0.0000 | 0.0000 | 81.121 | 0.15323 | 0.00000 | 602892.1 | 469902.4 | 0.0 | S |
| 179.975 | 0.0000 | 0.0000 | 81.121 | 0.15322 | 0.00000 | 602892.1 | 469907.0 | 0.0 | S |
| 179.983 | 0.0000 | 0.0000 | 81.121 | 0.15321 | 0.00000 | 602892.1 | 469911.6 | 0.0 | S |
| 179.992 | 0.0000 | 0.0000 | 81.121 | 0.15321 | 0.00000 | 602892.1 | 469916.2 | 0.0 | S |
| 180.000 | 0.0000 | 0.0000 | 81.121 | 0.15320 | 0.00000 | 602892.4 | 469920.8 | 0.0 | S |
| 180.008 | 0.0000 | 0.0000 | 81.121 | 0.15319 | 0.00000 | 602892.1 | 469925.4 | 0.0 | S |
| 180.017 | 0.0000 | 0.0000 | 81.121 | 0.15318 | 0.00000 | 602892.1 | 468930.0 | 0.0 | S |
| 180.025 | 0.0000 | 0.0000 | 81.121 | 0.15318 | 0.00000 | 602892.1 | 469934.6 | 0.0 | S |
| 180.033 | 0.0000 | 0.0000 | 81.121 | 0.15317 | 0.00000 | 602892.1 | 469939.2 | 0.0 | S |
| 180.042 | 0.0000 | 0.0000 | 81.121 | 0.15316 | 0.00000 | 602892.1 | 469943.8 | 0.0 | S |
| 180.050 | 0.0000 | 0.0000 | 81.121 | 0.15315 | 0.00000 | 602892.1 | 469948.3 | 0.0 | S |
| 180.058 | 0.0000 | 0.0000 | 81.120 | 0.15315 | 0.00000 | 602892.1 | 469952.9 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}{ }^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 180.067 | 0.0000 | 0.0000 | 81.120 | 0.15314 | 0.00000 | 602892.1 | 469957.5 | 0.0 | S |
| 180.075 | 0.0000 | 0.0000 | 81.120 | 0.15313 | 0.00000 | 602892.1 | 469962.1 | 0.0 | S |
| 180.083 | 0.0000 | 0.0000 | 81.120 | 0.15312 | 0.00000 | 602892.1 | 469966.7 | 0.0 | S |
| 180.092 | 0.0000 | 0.0000 | 81.120 | 0.15311 | 0.00000 | 602892.1 | 469971.3 | 0.0 | S |
| 180.100 | 0.0000 | 0.0000 | 81.120 | 0.15311 | 0.00000 | 602892.1 | 469975.9 | 0.0 | S |
| 180.108 | 0.0000 | 0.0000 | 81.120 | 0.15310 | 0.00000 | 602892.1 | 469980.5 | 0.0 | S |
| 180.117 | 0.0000 | 0.0000 | 81.120 | 0.15309 | 0.00000 | 602892.1 | 469985.1 | 0.0 | S |
| 180.125 | 0.0000 | 0.0000 | 81.120 | 0.15308 | 0.00000 | 602892.1 | 469989.7 | 0.0 | S |
| 180.133 | 0.0000 | 0.0000 | 81.120 | 0.15308 | 0.00000 | 602892.1 | 469994.3 | 0.0 | S |
| 180.142 | 0.0000 | 0.0000 | 81.120 | 0.15307 | 0.00000 | 602892.1 | 469998.9 | 0.0 | S |
| 180.150 | 0.0000 | 0.0000 | 81.120 | 0.15306 | 0.00000 | 602892.1 | 470003.5 | 0.0 | S |
| 180.158 | 0.0000 | 0.0000 | 81.119 | 0.15305 | 0.00000 | 602892.1 | 470008.1 | 0.0 | S |
| 180.167 | 0.0000 | 0.0000 | 81.119 | 0.15305 | 0.00000 | 602892.1 | 470012.7 | 0.0 | S |
| 180.175 | 0.0000 | 0.0000 | 81.119 | 0.15304 | 0.00000 | 602892.1 | 470017.3 | 0.0 | S |
| 180.183 | 0.0000 | 0.0000 | 81.119 | 0.75303 | 0.00000 | 602892.1 | 470021.8 | 0.0 | S |
| 180.192 | 0.0000 | 0.0000 | 81.119 | 0.15302 | 0.00000 | 602892.1 | 470026.4 | 0.0 | S |
| 180.200 | 0.0000 | 0.0000 | 81.119 | 0.15302 | 0.00000 | 602892.1 | 470031.0 | 0.0 | S |
| 180.208 | 0.0000 | 0.0000 | 81.119 | 0.15301 | 0.00000 | 602892.1 | 470035.6 | 0.0 | S |
| 180.217 | 0.0000 | 0.0000 | 81.119 | 0.15300 | 0.00000 | 602892.1 | 470040.2 | 0.0 | S |
| 180.225 | 0.0000 | 0.0000 | 81.119 | 0.15299 | 0.00000 | 602892.1 | 470044.8 | 0.0 | S |
| 180.233 | 0.0000 | 0.0000 | 81.119 | 0.15299 | 0.00000 | 602892.1 | 470049.4 | 0.0 | S |
| 180.242 | 0.0000 | 0.0000 | 81.119 | 0.15298 | 0.00000 | 602892.1 | 470054.0 | 0.0 | S |
| 180.250 | 0.0000 | 0.0000 | 81.118 | 0.15297 | 0.00000 | 602892.1 | 470058.6 | 0.0 | S |
| 180.258 | 0.0000 | 0.0000 | 81.118 | 0.15296 | 0.00000 | 602892.1 | 470063.1 | 0.0 | S |
| 180.267 | 0.0000 | 0.0000 | 81.118 | 0.15296 | 0.00000 | 602892.1 | 470067.7 | 0.0 | S |
| 180.275 | 0.0000 | 0.0000 | 81.118 | 0.15295 | 0.00000 | 602892.1 | 470072.3 | 0.0 | S |
| 180.283 | 0.0000 | 0.0000 | 81.118 | 0.15294 | 0.00000 | 602892.1 | 470076.9 | 0.0 | S |
| 180.292 | 0.0000 | 0.0000 | 81.118 | 0.15293 | 0.00000 | 602892.1 | 470081.5 | 0.0 | S |
| 180.300 | 0.0000 | 0.0000 | 81.118 | 0.15293 | 0.00000 | 602892.1 | 470086.1 | 0.0 | S |
| 180.308 | 0.0000 | 0.0000 | 81.118 | 0.15292 | 0.00000 | 602892.1 | 470090.7 | 0.0 | S |
| 180.317 | 0.0000 | 0.0000 | 81.118 | 0.15291 | 0.00000 | 602892.1 | 470095.3 | 0.0 | S |
| 180.325 | 0.0000 | 0.0000 | 81.118 | 0.15290 | 0.00000 | 602892.1 | 470099.8 | 0.0 | S |
| 180.333 | 0.0000 | 0.0000 | 81.118 | 0.15290 | 0.00000 | 602892.1 | 470104.4 | 0.0 | S |
| 180.342 | 0.0000 | 0.0000 | 81.117 | 0.15289 | 0.00000 | 602892.1 | 470109.0 | 0.0 | S |
| 180.350 | 0.0000 | 0.0000 | 81.117 | 0.15288 | 0.00000 | 602892.1 | 470113.6 | 0.0 | S |
| 180.358 | 0.0000 | 0.0000 | 81.117 | 0.15287 | 0.00000 | 602892.1 | 470118.2 | 0.0 | S |
| 180.367 | 0.0000 | 0.0000 | 81.117 | 0.15287 | 0.00000 | 602892.1 | 470122.8 | 0.0 | S |
| 180.375 | 0.0000 | 0.0000 | 81.117 | 0.15286 | 0.00000 | 602892.1 | 470127.4 | 0.0 | S |
| 180.383 | 0.0000 | 0.0000 | 81.117 | 0.15285 | 0.00000 | 602892.1 | 470131.9 | 0.0 | S |
| 180.392 | 0.0000 | 0.0000 | 81.117 | 0.15284 | 0.00000 | 602892.1 | 470136.5 | 0.0 | S |
| 180.400 | 0.0000 | 0.0000 | 81.147 | 0.15283 | 0.00000 | 602892.1 | 470141.1 | 0.0 | S |
| 180.408 | 0.0000 | 0.0000 | 81.117 | 0.15283 | 0.00000 | 602892.1 | 470145.7 | 0.0 | S |
| 180.417 | 0.0000 | 0.0000 | 81.117 | 0.15282 | 0.00000 | 602892.1 | 470150.3 | 0.0 | S |
| 180.425 | 0.0000 | 0.0000 | 81.117 | 0.15281 | 0.00000 | 602892.1 | 470154.9 | 0.0 | S |
| 180.433 | 0.0000 | 0.0000 | 81.117 | 0.15280 | 0.00000 | 602892.1 | 470159.5 | 0.0 | S |
| 180.442 | 0.0000 | 0.0000 | 81.116 | 0.15280 | 0.00000 | 602892.1 | 470164.0 | 0.0 | S |
| 180.450 | 0.0000 | 0.0000 | 81.116 | 0.15279 | 0.00000 | 602892.1 | 470168.6 | 0.0 | S |
| 180.458 | 0.0000 | 0.0000 | 81.116 | 0.15278 | 0.00000 | 602892.1 | 470173.2 | 0.0 | S |
| 180.467 | 0.0000 | 0.0000 | 81.116 | 0.15277 | 0.00000 | 602892.1 | 470177.8 | 0.0 | S |
| 180.475 | 0.0000 | 0.0000 | 81.116 | 0.15277 | 0.00000 | 602892.1 | 470182.4 | 0.0 | S |
| 180.483 | 0.0000 | 0.0000 | 81.116 | 0.15276 | 0.00000 | 602892.1 | 470187.0 | 0.0 | S |
| 180.492 | 0.0000 | 0.0000 | 81.116 | 0.15275 | 0.00000 | 602892.1 | 470191.5 | 0.0 | S |
| 180.500 | 0.0000 | 0.0000 | 81.116 | 0.15274 | 0.00000 | 602892.1 | 470196.1 | 0.0 | S |
| 180.508 | 0.0000 | 0.0000 | 81.116 | 0.15274 | 0.00000 | 602892.1 | 470200.7 | 0.0 | S |
| 180.517 | 0.0000 | 0.0000 | 81.116 | 0.15273 | 0.00000 | 602892.1 | 470205.3 | 0.0 | S |
| 180.525 | 0.0000 | 0.0000 | 81.116 | 0.15272 | 0.00000 | 602892.1 | 470209.9 | 0.0 | S |
| 180.533 | 0.0000 | 0.0000 | 81.115 | 0.15271 | 0.00000 | 602892.1 | 470214.4 | 0.0 | S |
| 180.542 | 0.0000 | 0.0000 | 81.115 | 0.15271 | 0.00000 | 602892.1 | 470219.0 | 0.0 | S |
| \$80.550 | 0.0000 | 0.0000 | 81.115 | 0.15270 | 0.00000 | 602892.1 | 470223.6 | 0.0 | S |
| 180.558 | 0.0000 | 0.0000 | 81.115 | 0.15269 | 0.00000 | 602892.1 | 470228.2 | 0.0 | S |
| 180.567 | 0.0000 | 0.0000 | 81.115 | 0.75268 | 0.00000 | 602892.1 | 470232.8 | 0.0 | S |
| 180.575 | 0.0000 | 0.0000 | 81.115 | 0.15268 | 0.00000 | 602892.1 | 470237.3 | 0.0 | S |
| 180.583 | 0.0000 | 0.0000 | 81.115 | 0.15267 | 0.00000 | 602892.1 | 470241.9 | 0.0 | S |
| 180.592 | 0.0000 | 0.0000 | 81.115 | 0.15266 | 0.00000 | 602892.1 | 470246.5 | 0.0 | S |
| 180.600 | 0.0000 | 0.0000 | 81.115 | 0.15265 | 0.00000 | 602892.1 | 470251.1 | 0.0 | S |
| 180.608 | 0.0000 | 0.0000 | 81.115 | 0.15265 | 0.00000 | 602892.1 | 470255.7 | 0.0 | S |
| 180.617 | 0.0000 | 0.0000 | 81.115 | 0.15264 | 0.00000 | 602892.1 | 470260.3 | 0.0 | S |
| 180.625 | 0.0000 | 0.0000 | 81.114 | 0.15263 | 0.00000 | 602892.1 | 470264.8 | 0.0 | S |
| 180.633 | 0.0000 | 0.0000 | 81.114 | 0.15262 | 0.00000 | 602892.1 | 470269.4 | 0.0 | S |
| 180.642 | 0.0000 | 0.0000 | 81.114 | 0.15262 | 0.00000 | 602892.1 | 470274.0 | 0.0 | S |
| 180.650 | 0.0000 | 0.0000 | 81.114 | 0.15261 | 0.00000 | 602892.1 | 470278.6 | 0.0 | S |
| 180.658 | 0.0000 | 0.0000 | 81.114 | 0.15260 | 0.00000 | 602892.1 | 470283.2 | 0.0 | S |
| 180.667 | 0.0000 | 0.0000 | 81.114 | 0.15259 | 0.00000 | 602892.1 | 470287.7 | 0.0 | S |
| $\uparrow 80.675$ | 0.0000 | 0.0000 | 81.114 | 0.15259 | 0.00000 | 602892.1 | 470292.3 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside <br> Recharge (fidday) | Stage Elevation (ft datum) | Infitration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\left(\mathrm{t}^{3}\right)$ | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 180.683 | 0.0000 | 0.0000 | 81.114 | 0.15258 | 0.00000 | 602892.1 | 470296.9 | 0.0 | S |
| 180.692 | 0.0000 | 0.0000 | 81.114 | 0.15257 | 0.00000 | 602892.1 | 470301.5 | 0.0 | S |
| 180.700 | 0.0000 | 0.0000 | 81.114 | 0.15256 | 0.00000 | 602892.1 | 470306.0 | 0.0 | S |
| 180.708 | 0.0000 | 0.0000 | 81.114 | 0.15256 | 0.00000 | 602892.1 | 470310.6 | 0.0 | S |
| 180.717 | 0.0000 | 0.0000 | 81.114 | 0.15255 | 0.00000 | 602892.1 | 470315.2 | 0.0 | S |
| 180.725 | 0.0000 | 0.0000 | 81.113 | 0.15254 | 0.00000 | 602892.1 | 470319.8 | 0.0 | S |
| 180.733 | 0.0000 | 0.0000 | 81.113 | 0.15253 | 0.00000 | 602892.1 | 470324.3 | 0.0 | S |
| 180.742 | 0.0000 | 0.0000 | 81.113 | 0.15253 | 0.00000 | 602892.1 | 470328.9 | 0.0 | S |
| 180.750 | 0.0000 | 0.0000 | 81.113 | 0.15252 | 0.00000 | 602892.1 | 470333.5 | 0.0 | S |
| 180.758 | 0.0000 | 0.0000 | 81.113 | 0.15251 | 0.00000 | 602892.1 | 470338.1 | 0.0 | S |
| 180.767 | 0.0000 | 0.0000 | 81.113 | 0.15250 | 0.00000 | 602892.1 | 470342.6 | 0.0 | S |
| 180.775 | 0.0000 | 0.0000 | 81.113 | 0.15250 | 0.00000 | 602892.1 | 470347.2 | 0.0 | S |
| 180.783 | 0.0000 | 0.0000 | 81.113 | 0.15249 | 0.00000 | 602892.1 | 470351.8 | 0.0 | S |
| 180.792 | 0.0000 | 0.0000 | 81.113 | 0.15248 | 0.00000 | 602892.1 | 470356.4 | 0.0 | S |
| 180.800 | 0.0000 | 0.0000 | 81.113 | 0.15247 | 0.00000 | 602892.1 | 470360.9 | 0.0 | S |
| 180.808 | 0.0000 | 0.0000 | 81.113 | 0.15247 | 0.00000 | 602892.1 | 470365.5 | 0.0 | S |
| 180.817 | 0.0000 | 0.0000 | 81.112 | 0.15246 | 0.00000 | 602892.1 | 470370.1 | 0.0 | S |
| 180.825 | 0.0000 | 0.0000 | 81.112 | 0.15245 | 0.00000 | 602892.1 | 470374.7 | 0.0 | S |
| 180.833 | 0.0000 | 0.0000 | 81.112 | 0.15244 | 0.00000 | 602892.1 | 470379.2 | 0.0 | S |
| 180.842 | 0.0000 | 0.0000 | 81.112 | 0.15244 | 0.00000 | 602892.1 | 470383.8 | 0.0 | S |
| 180.850 | 0.0000 | 0.0000 | 81.112 | 0.15243 | 0.00000 | 602892.1 | 470388.4 | 0.0 | S |
| 180.858 | 0.0000 | 0.0000 | 81.112 | 0.15242 | 0.00000 | 602892.1 | 470392.9 | 0.0 | S |
| 180.867 | 0.0000 | 0.0000 | 81.112 | 0.15241 | 0.00000 | 602892.1 | 470397.5 | 0.0 | S |
| 180.875 | 0.0000 | 0.0000 | 81.112 | 0.15241 | 0.00000 | 602892.1 | 470402.1 | 0.0 | S |
| \$80.883 | 0.0000 | 0.0000 | 81.112 | 0.15240 | 0.00000 | 602892.1 | 470406.7 | 0.0 | S |
| 180.892 | 0.0000 | 0.0000 | 81.112 | 0.15239 | 0.00000 | 602892.1 | 470411.3 | 0.0 | S |
| 180.900 | 0.0000 | 0.0000 | 81.112 | 0.15238 | 0.00000 | 602892.1 | 470415.8 | 0.0 | S |
| 180.908 | 0.0000 | 0.0000 | 81.112 | 0.15238 | 0.00000 | 602892.1 | 470420.4 | 0.0 | S |
| 180.917 | 0.0000 | 0.0000 | 81.111 | 0.15237 | 0.00000 | 602892.1 | 470425.0 | 0.0 | S |
| 180.925 | 0.0000 | 0.0000 | 81.111 | 0.15236 | 0.00000 | 602892.1 | 470429.5 | 0.0 | S |
| 180.933 | 0.0000 | 0.0000 | 81.111 | 0.15235 | 0.00000 | 602892.1 | 470434.1 | 0.0 | S |
| 180.942 | 0.0000 | 0.0000 | 81.111 | 0.15235 | 0.00000 | 602892.1 | 470438.7 | 0.0 | S |
| 180.950 | 0.0000 | 0.0000 | 81.111 | 0.15234 | 0.00000 | 602892.1 | 470443.3 | 0.0 | S |
| 180.958 | 0.0000 | 0.0000 | 81.111 | 0.15233 | 0.00000 | 602892.1 | 470447.8 | 0.0 | S |
| 180.967 | 0.0000 | 0.0000 | 81.111 | 0.15232 | 0.00000 | 602892.1 | 470452.4 | 0.0 | S |
| 180.975 | 0.0000 | 0.0000 | 81.111 | 0.15232 | 0.00000 | 602892.1 | 470456.9 | 0.0 | S |
| 180.983 | 0.0000 | 0.0000 | 81.111 | 0.15231 | 0.00000 | 602892.1 | 470461.5 | 0.0 | S |
| 180.992 | 0.0000 | 0.0000 | 81.111 | 0.15230 | 0.00000 | 602892.1 | 470466.1 | 0.0 | S |
| 181.000 | 0.0000 | 0.0000 | 81.111 | 0.15229 | 0.00000 | 602892.1 | 470470.7 | 0.0 | S |
| 181.008 | 0.0000 | 0.0000 | 81.110 | 0.15229 | 0.00000 | 602892.1 | 470475.2 | 0.0 | S |
| 181.017 | 0.0000 | 0.0000 | 81.110 | 0.15228 | 0.00000 | 602892.1 | 470479.8 | 0.0 | S |
| 181.025 | 0.0000 | 0.0000 | 81.110 | 0.15227 | 0.00000 | 602892.1 | 470484.3 | 0.0 | S |
| 181.033 | 0.0000 | 0.0000 | 81.110 | 0.15226 | 0.00000 | 602892.1 | 470488.9 | 0.0 | S |
| 181.042 | 0.0000 | 0.0000 | 81.110 | 0.15226 | 0.00000 | 602892.1 | 470493.5 | 0.0 | S |
| $\uparrow 81.050$ | 0.0000 | 0.0000 | 81.110 | 0.15225 | 0.00000 | 602892.1 | 470498.1 | 0.0 | S |
| 181.058 | 0.0000 | 0.0000 | 81.110 | 0.15224 | 0.00000 | 602892.1 | 470502.6 | 0.0 | S |
| 181.067 | 0.0000 | 0.0000 | 81.110 | 0.15223 | 0.00000 | 602892.1 | 470507.2 | 0.0 | S |
| 181.075 | 0.0000 | 0.0000 | 81.110 | 0.15223 | 0.00000 | 602892.1 | 470511.8 | 0.0 | S |
| 181.083 | 0.0000 | 0.0000 | 81.110 | 0.15222 | 0.00000 | 602892.1 | 470516.3 | 0.0 | S |
| 181.092 | 0.0000 | 0.0000 | 81.110 | 0.15221 | 0.00000 | 602892.1 | 470520.9 | 0.0 | S |
| 181.100 | 0.0000 | 0.0000 | 81.109 | 0.15220 | 0.00000 | 602892.1 | 470525.5 | 0.0 | S |
| 181.108 | 0.0000 | 0.0000 | 81.109 | 0.15220 | 0.00000 | 602892.1 | 470530.0 | 0.0 | S |
| 181.117 | 0.0000 | 0.0000 | 81.109 | 0.15219 | 0.00000 | 602892.1 | 470534.6 | 0.0 | S |
| 181.125 | 0.0000 | 0.0000 | 81.109 | 0.15218 | 0.00000 | 602892.1 | 470539.2 | 0.0 | S |
| 181.133 | 0.0000 | 0.0000 | 81.109 | 0.15217 | 0.00000 | 602892.1 | 470543.7 | 0.0 | S |
| 181.142 | 0.0000 | 0.0000 | 81.109 | 0.15217 | 0.00000 | 602892.1 | 470548.3 | 0.0 | S |
| 181.150 | 0.0000 | 0.0000 | 81.109 | 0.15216 | 0.00000 | 602892.1 | 470552.8 | 0.0 | S |
| 181.158 | 0.0000 | 0.0000 | 81.109 | 0.15215 | 0.00000 | 602892.1 | 470557.4 | 0.0 | S |
| 181.167 | 0.0000 | 0.0000 | 81.109 | 0.15214 | 0.00000 | 602892.1 | 470562.0 | 0.0 | S |
| 181.175 | 0.0000 | 0.0000 | 81.109 | 0.15214 | 0.00000 | 602892.1 | 470566.6 | 0.0 | S |
| 181.183 | 0.0000 | 0.0000 | 81.109 | 0.15213 | 0.00000 | 602892.1 | 470571.1 | 0.0 | S |
| 181.192 | 0.0000 | 0.0000 | 81.109 | 0.15212 | 0.00000 | 602892.1 | 470575.7 | 0.0 | S |
| 181.200 | 0.0000 | 0.0000 | 81.108 | 0.15211 | 0.00000 | 602892.1 | 470580.3 | 0.0 | S |
| $\ddagger 81.208$ | 0.0000 | 0.0000 | 81.108 | 0.15211 | 0.00000 | 602892.1 | 470584.8 | 0.0 | S |
| 181.217 | 0.0000 | 0.0000 | 81.108 | 0.15210 | 0.00000 | 602892.1 | 470589.4 | 0.0 | S |
| 181.225 | 0.0000 | 0.0000 | 81.108 | 0.15209 | 0.00000 | 602892.1 | 470593.9 | 0.0 | S |
| 181.233 | 0.0000 | 0.0000 | 81.108 | 0.15208 | 0.00000 | 602892.1 | 470598.5 | 0.0 | S |
| 181.242 | 0.0000 | 0.0000 | 81.108 | 0.15208 | 0.00000 | 602892.1 | 470603.1 | 0.0 | S |
| 181.250 | 0.0000 | 0.0000 | 81.108 | 0.15207 | 0.00000 | 602892.1 | 470607.6 | 0.0 | S |
| 181.258 | 0.0000 | 0.0000 | 81.108 | 0.15206 | 0.00000 | 602892.1 | 470612.2 | 0.0 | S |
| 181.267 | 0.0000 | 0.0000 | 81.108 | 0.15205 | 0.00000 | 602892.1 | 470616.8 | 0.0 | S |
| 181.275 | 0.0000 | 0.0000 | 81.108 | 0.15205 | 0.00000 | 602892.1 | 470621.3 | 0.0 | S |
| 181.283 | 0.0000 | 0.0000 | 81.108 | 0.15204 | 0.00000 | 602892.1 | 470625.9 | 0.0 | S |
| 181.292 | 0.0000 | 0.0000 | 81.107 | 0.15203 | 0.00000 | 602892.1 | 470630.4 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Overfiow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | $\begin{aligned} & \text { Cumulative } \\ & \text { Inflow } \\ & \text { Volume }\left(\mathrm{ft}^{3}\right) \end{aligned}$ | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 181.300 | 0.0000 | 0.0000 | 81.107 | 0.15202 | 0.00000 | 602892.1 | 470635.0 | 0.0 | S |
| 181.308 | 0.0000 | 0.0000 | 81.107 | 0.15202 | 0.00000 | 602892.1 | 470639.5 | 0.0 | S |
| 181.317 | 0.0000 | 0.0000 | 81.107 | 0.15201 | 0.00000 | 602892.1 | 470644.1 | 0.0 | S |
| 181.325 | 0.0000 | 0.0000 | 81.107 | 0.15200 | 0.00000 | 602892.1 | 470648.7 | 0.0 | S |
| 181.333 | 0.0000 | 0.0000 | 81.107 | 0.15199 | 0.00000 | 602892.1 | 470653.2 | 0.0 | S |
| 181.342 | 0.0000 | 0.0000 | 81.107 | 0.15199 | 0.00000 | 602892.1 | 470657.8 | 0.0 | S |
| 181.350 | 0.0000 | 0.0000 | 81.107 | 0.15198 | 0.00000 | 602892.1 | 470662.3 | 0.0 | S |
| 181.358 | 0.0000 | 0.0000 | 81.107 | 0.15197 | 0.00000 | 602892.1 | 470666.9 | 0.0 | S |
| 181.367 | 0.0000 | 0.0000 | 81.107 | 0.15196 | 0.00000 | 602892.1 | 470671.5 | 0.0 | S |
| 181.375 | 0.0000 | 0.0000 | 81.107 | 0.15196 | 0.00000 | 602892.1 | 470676.0 | 0.0 | S |
| 181.383 | 0.0000 | 0.0000 | 81.106 | 0.15195 | 0.00000 | 602892.1 | 470680.6 | 0.0 | S |
| 181.392 | 0.0000 | 0.0000 | 81.106 | 0.15194 | 0.00000 | 602892.1 | 470685.1 | 0.0 | S |
| 181.400 | 0.0000 | 0.0000 | 81.106 | 0.15193 | 0.00000 | 602892.1 | 470689.7 | 0.0 | S |
| 181.408 | 0.0000 | 0.0000 | 81.106 | 0.15193 | 0.00000 | 602892.1 | 470694.3 | 0.0 | S |
| 181.417 | 0.0000 | 0.0000 | 81.106 | 0.15192 | 0.00000 | 602892.1 | 470698.8 | 0.0 | S |
| 181.425 | 0.0000 | 0.0000 | 81.106 | 0.15191 | 0.00000 | 602892.1 | 470703.4 | 0.0 | S |
| 181.433 | 0.0000 | 0.0000 | 81.106 | 0.15190 | 0.00000 | 602892.1 | 470707.9 | 0.0 | S |
| 181.442 | 0.0000 | 0.0000 | 81.106 | 0.15190 | 0.00000 | 602892.1 | 470712.5 | 0.0 | S |
| 181.450 | 0.0000 | 0.0000 | 81.106 | 0.15189 | 0.00000 | 602892.1 | 470717.0 | 0.0 | S |
| 181.458 | 0.0000 | 0.0000 | 81.106 | 0.15188 | 0.00000 | 602892.1 | 470721.6 | 0.0 | S |
| 181.467 | 0.0000 | 0.0000 | 81.106 | 0.15187 | 0.00000 | 602892.1 | 470726.2 | 0.0 | S |
| 181.475 | 0.0000 | 0.0000 | 81.106 | 0.15187 | 0.00000 | 602892.1 | 470730.7 | 0.0 | S |
| 181.483 | 0.0000 | 0.0000 | 81.105 | 0.15186 | 0.00000 | 602892.1 | 470735.3 | 0.0 | S |
| 181.492 | 0.0000 | 0.0000 | 81.105 | 0.15185 | 0.00000 | 602892.1 | 470739.8 | 0.0 | S |
| 181.500 | 0.0000 | 0.0000 | 81.105 | 0.15184 | 0.00000 | 602892.1 | 470744.4 | 0.0 | S |
| 181.508 | 0.0000 | 0.0000 | 81.105 | 0.15184 | 0.00000 | 602892.1 | 470748.9 | 0.0 | S |
| 181.517 | 0.0000 | 0.0000 | 81.105 | 0.15183 | 0.00000 | 602892.1 | 470753.5 | 0.0 | S |
| 181.525 | 0.0000 | 0.0000 | 81.105 | 0.15182 | 0.00000 | 602892.1 | 470758.0 | 0.0 | S |
| 181.533 | 0.0000 | 0.0000 | 81.105 | 0.15181 | 0.00000 | 602892.1 | 470762.6 | 0.0 | S |
| 181.542 | 0.0000 | 0.0000 | 81.105 | 0.15181 | 0.00000 | 602892.1 | 470767.2 | 0.0 | S |
| 181.550 | 0.0000 | 0.0000 | 81.105 | 0.15180 | 0.00000 | 602892.1 | 470771.7 | 0.0 | S |
| 181.558 | 0.0000 | 0.0000 | 81.105 | 0.15179 | 0.00000 | 602892.1 | 470776.3 | 0.0 | S |
| 181.567 | 0.0000 | 0.0000 | 81.105 | 0.15178 | 0.00000 | 602892.1 | 470780.8 | 0.0 | S |
| 181.575 | 0.0000 | 0.0000 | 81.104 | 0.15178 | 0.00000 | 602892.1 | 470785.4 | 0.0 | S |
| 181.583 | 0.0000 | 0.0000 | 81.104 | 0.15177 | 0.00000 | 602892.1 | 470789.9 | 0.0 | S |
| 181.592 | 0.0000 | 0.0000 | 81.104 | 0.15176 | 0.00000 | 602892.1 | 470794.5 | 0.0 | S |
| 181.600 | 0.0000 | 0.0000 | 81.104 | 0.15175 | 0.00000 | 602892.1 | 470799.0 | 0.0 | S |
| 181.608 | 0.0000 | 0.0000 | 81.104 | 0.15175 | 0.00000 | 602892.1 | 470803.6 | 0.0 | S |
| 181.617 | 0.0000 | 0.0000 | 81.104 | 0.15174 | 0.00000 | 602892.1 | 470808.1 | 0.0 | S |
| 181.625 | 0.0000 | 0.0000 | 81.104 | 0.15173 | 0.00000 | 602892.1 | 470812.7 | 0.0 | S |
| 181.633 | 0.0000 | 0.0000 | 81.104 | 0.15172 | 0.00000 | 602892.1 | 470817.2 | 0.0 | S |
| 181.642 | 0.0000 | 0.0000 | 81.104 | 0.15172 | 0.00000 | 602892.1 | 470821.8 | 0.0 | S |
| 181.650 | 0.0000 | 0.0000 | 81.104 | 0.15171 | 0.00000 | 602892.1 | 470826.3 | 0.0 | S |
| 181.658 | 0.0000 | 0.0000 | 81.104 | 0.15170 | 0.00000 | 602892.1 | 470830.9 | 0.0 | S |
| 181.667 | 0.0000 | 0.0000 | 81.104 | 0.15169 | 0.00000 | 602892.1 | 470835.4 | 0.0 | S |
| 181.675 | 0.0000 | 0.0000 | 81.103 | 0.15169 | 0.00000 | 602892.1 | 470840.0 | 0.0 | S |
| 181.683 | 0.0000 | 0.0000 | 81.103 | 0.15168 | 0.00000 | 602892.1 | 470844.5 | 0.0 | S |
| 181.692 | 0.0000 | 0.0000 | 81.103 | 0.15167 | 0.00000 | 602892.1 | 470849.1 | 0.0 | S |
| 181.700 | 0.0000 | 0.0000 | 81.103 | 0.15166 | 0.00000 | 602892.1 | 470853.6 | 0.0 | S |
| 181.708 | 0.0000 | 0.0000 | 81.103 | 0.15166 | 0.00000 | 602892.1 | 470858.2 | 0.0 | S |
| 181.717 | 0.0000 | 0.0000 | 81.103 | 0.15165 | 0.00000 | 602892.1 | 470862.8 | 0.0 | S |
| 181.725 | 0.0000 | 0.0000 | 81.103 | 0.15164 | 0.00000 | 602892.1 | 470867.3 | 0.0 | S |
| 181.733 | 0.0000 | 0.0000 | 81.103 | 0.15164 | 0.00000 | 602892.1 | 470871.8 | 0.0 | S |
| 181.742 | 0.0000 | 0.0000 | 81.103 | 0.15163 | 0.00000 | 602892.1 | 470876.4 | 0.0 | S |
| 181.750 | 0.0000 | 0.0000 | 81.103 | 0.15162 | 0.00000 | 602892.1 | 470880.9 | 0.0 | S |
| 181.758 | 0.0000 | 0.0000 | 81.103 | 0.15161 | 0.00000 | 602892.1 | 470885.5 | 0.0 | S |
| 181.767 | 0.0000 | 0.0000 | 81.102 | 0.15161 | 0.00000 | 602892.1 | 470890.0 | 0.0 | S |
| 181.775 | 0.0000 | 0.0000 | 81.102 | 0.15160 | 0.00000 | 602892,1 | 470894.6 | 0.0 | S |
| 181.783 | 0.0000 | 0.0000 | 81.102 | 0.15159 | 0.00000 | 602892.1 | 470899.1 | 0.0 | S |
| 181.792 | 0.0000 | 0.0000 | 81.102 | 0.15158 | 0.00000 | 602892.1 | 470903.7 | 0.0 | S |
| 181.800 | 0.0000 | 0.0000 | 81.102 | 0.15158 | 0.00000 | 602892.1 | 470908.2 | 0.0 | S |
| 181.808 | 0.0000 | 0.0000 | 8 8.102 | 0.15157 | 0.00000 | 602892.1 | 470912.8 | 0.0 | S |
| 181.817 | 0.0000 | 0.0000 | 81.102 | 0.15156 | 0.00000 | 602892.1 | 470917.3 | 0.0 | S |
| 181.825 | 0.0000 | 0.0000 | 81.102 | 0.15155 | 0.00000 | 602892.1 | 470921.9 | 0.0 | S |
| 181.833 | 0.0000 | 0.0000 | 81.102 | 0.15155 | 0.00000 | 602892.1 | 470926.4 | 0.0 | S |
| 181.842 | 0.0000 | 0.0000 | 81.102 | 0.15154 | 0.00000 | 602892.1 | 470931.0 | 0.0 | S |
| 181.850 | 0.0000 | 0.0000 | 81.102 | 0.15153 | 0.00000 | 602892.1 | 470935.5 | 0.0 | S |
| 181.858 | 0.0000 | 0.0000 | 81.101 | 0.15152 | 0.00000 | 602892.1 | 470940.1 | 0.0 | S |
| 181.867 | 0.0000 | 0.0000 | 81.101 | 0.15152 | 0.00000 | 602892.1 | 470944.6 | 0.0 | S |
| 181.875 | 0.0000 | 0.0000 | 81.101 | 0.15151 | 0.00000 | 602892.1 | 470949.1 | 0.0 | S |
| 181.883 | 0.0000 | 0.0000 | 81.101 | 0.15150 | 0.00000 | 602892.1 | 470953.7 | 0.0 | S |
| 181.892 | 0.0000 | 0.0000 | 81.101 | 0.15149 | 0.00000 | 602892.1 | 470958.2 | 0.0 | S |
| 181.900 | 0.0000 | 0.0000 | 81.101 | 0.15149 | 0.00000 | 602892.1 | 470962.8 | 0.0 | S |
| 181.908 | 0.0000 | 0.0000 | 81.101 | 0.15148 | 0.00000 | 602892.1 | 470967.3 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | inflow Rate (fis/s) | Outside Recharge (f1/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infittration Volume (fi³) | Cumuiative Discharge Volume ( $\mathrm{ft}^{3}$ ) | $\begin{aligned} & \text { Flow } \\ & \text { Type } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 181.917 | 0.0000 | 0.0000 | 81.101 | 0.15147 | 0.00000 | 602892.1 | 470971.9 | 0.0 | S |
| 181.925 | 0.0000 | 0.0000 | 81.101 | 0.15146 | 0.00000 | 602892.1 | 470976.4 | 0.0 | S |
| 181.933 | 0.0000 | 0.0000 | 81.101 | 0.15146 | 0.00000 | 602892.1 | 470980.9 | 0.0 | S |
| 181.942 | 0.0000 | 0.0000 | 81.101 | 0.15145 | 0.00000 | 602892.1 | 470985.5 | 0.0 | S |
| 181.950 | 0.0000 | 0.0000 | 81.101 | 0.15144 | 0.00000 | 602892.1 | 470990.0 | 0.0 | S |
| 181.958 | 0.0000 | 0.0000 | 81.100 | 0.15143 | 0.00000 | 602892.1 | 470994.6 | 0.0 | S |
| 181.967 | 0.0000 | 0.0000 | 81.100 | 0.15143 | 0.00000 | 602892.1 | 470999.1 | 0.0 | S |
| 181.975 | 0.0000 | 0.0000 | 81.100 | 0.15142 | 0.00000 | 602892.1 | 471003.7 | 0.0 | S |
| 181.983 | 0.0000 | 0.0000 | 81.100 | 0.15141 | 0.00000 | 602892.1 | 471008.2 | 0.0 | S |
| 181.992 | 0.0000 | 0.0000 | 81.100 | 0.15140 | 0.00000 | 602892.1 | 471012.8 | 0.0 | S |
| 182.000 | 0.0000 | 0.0000 | 81.100 | 0.15140 | 0.00000 | 602892.1 | 471017.3 | 0.0 | S |
| 182.008 | 0.0000 | 0.0000 | 81.100 | 0.15139 | 0.00000 | 602892.1 | 471021.8 | 0.0 | S |
| 182.017 | 0.0000 | 0.0000 | 81.100 | 0.15138 | 0.00000 | 602892.1 | 471026.4 | 0.0 | S |
| 182.025 | 0.0000 | 0.0000 | 81.100 | 0.15137 | 0.00000 | 602892.1 | 471030.9 | 0.0 | S |
| 182.033 | 0.0000 | 0.0000 | 81.100 | 0.15137 | 0.00000 | 602892.1 | 471035.5 | 0.0 | S |
| 182.042 | 0.0000 | 0.0000 | 81.100 | 0.15136 | 0.00000 | 602892.1 | 471040.0 | 0.0 | S |
| 182.050 | 0.0000 | 0.0000 | 81.099 | 0.15135 | 0.00000 | 602892.1 | 471044.5 | 0.0 | S |
| 182.058 | 0.0000 | 0.0000 | 81.099 | 0.15135 | 0.00000 | 602892.1 | 471049.1 | 0.0 | S |
| 182.067 | 0.0000 | 0.0000 | 81.099 | 0.15134 | 0.00000 | 602892.1 | 471053.6 | 0.0 | S |
| 182.075 | 0.0000 | 0.0000 | 81.099 | 0.15133 | 0.00000 | 602892.1 | 471058.2 | 0.0 | S |
| 182.083 | 0.0000 | 0.0000 | 81.099 | 0.15132 | 0.00000 | 602892.1 | 471062.7 | 0.0 | S |
| 182.092 | 0.0000 | 0.0000 | 81.099 | 0.15132 | 0.00000 | 602892.1 | 471067.3 | 0.0 | S |
| 182.100 | 0.0000 | 0.0000 | 81.099 | 0.15131 | 0.00000 | 602892.1 | 471071.8 | 0.0 | S |
| \$82,108 | 0.0000 | 0.0000 | 81.099 | 0.15130 | 0.00000 | 602892.1 | 471076.3 | 0.0 | S |
| 182.117 | 0.0000 | 0.0000 | 81.099 | 0.15129 | 0.00000 | 602892.1 | 471080.8 | 0.0 | S |
| 182.125 | 0.0000 | 0.0000 | 81.099 | 0.15129 | 0.00000 | 602892.1 | 471085.4 | 0.0 | S |
| 182.133 | 0.0000 | 0.0000 | 81.099 | 0.15128 | 0.00000 | 602892.1 | 471089.9 | 0.0 | S |
| 182.142 | 0.0000 | 0.0000 | 81.099 | 0.15127 | 0.00000 | 602892.1 | 471094.5 | 0.0 | S |
| 182.150 | 0.0000 | 0.0000 | 81.098 | 0.15126 | 0.00000 | 602892.1 | 471099.0 | 0.0 | S |
| 182.158 | 0.0000 | 0.0000 | 81.098 | 0.15126 | 0.00000 | 602892.1 | 471103.6 | 0.0 | S |
| 182.167 | 0.0000 | 0.0000 | 81.098 | 0.15125 | 0.00000 | 602892.1 | 471108.1 | 0.0 | S |
| 182.175 | 0.0000 | 0.0000 | 81.098 | 0.15124 | 0.00000 | 602892.1 | 4711112.6 | 0.0 | S |
| 182.183 | 0.0000 | 0.0000 | 81.098 | 0.15123 | 0.00000 | 602892.1 | 471117.2 | 0.0 | S |
| 182.192 | 0.0000 | 0.0000 | 81.098 | 0.15123 | 0.00000 | 602892.1 | 471121.7 | 0.0 | S |
| 182.200 | 0.0000 | 0.0000 | 81.098 | 0.15122 | 0.00000 | 602892.1 | 471126.3 | 0.0 | S |
| 182.208 | 0.0000 | 0.0000 | 81.098 | 0.15121 | 0.00000 | 602892.1 | 471130.8 | 0.0 | S |
| 182.217 | 0.0000 | 0.0000 | 81.098 | 0.15120 | 0.00000 | 602892.1 | 471135.3 | 0.0 | S |
| 182.225 | 0.0000 | 0.0000 | 81.098 | 0.15120 | 0.00000 | 602892.1 | 471139.8 | 0.0 | S |
| 182.233 | 0.0000 | 0.0000 | 81.098 | 0.15119 | 0.00000 | 602892.1 | 471144.4 | 0.0 | S |
| 182.242 | 0.0000 | 0.0000 | 81.097 | 0.15118 | 0.00000 | 602892.1 | 471148.9 | 0.0 | S |
| 182.250 | 0.0000 | 0.0000 | 81.097 | 0.15117 | 0.00000 | 602892.1 | 471153.4 | 0.0 | S |
| 182.258 | 0.0000 | 0.0000 | 81.097 | 0.15117 | 0.00000 | 602892.1 | 471158.0 | 0.0 | S |
| 182.267 | 0.0000 | 0.0000 | 81.097 | 0.15116 | 0.00000 | 602892.1 | 471162.5 | 0.0 | S |
| 182.275 | 0.0000 | 0.0000 | 81.097 | 0.15115 | 0.00000 | 602892.1 | 471167.1 | 0.0 | S |
| 182.283 | 0.0000 | 0.0000 | 81.097 | 0.15114 | 0.00000 | 602892.1 | 471171.6 | 0.0 | S |
| 182.292 | 0.0000 | 0.0000 | 81.097 | 0.15114 | 0.00000 | 602892.1 | 471176.1 | 0.0 | S |
| 182.300 | 0.0000 | 0.0000 | 81.097 | 0.15113 | 0.00000 | 602892.1 | 471180.7 | 0.0 | S |
| 182.308 | 0.0000 | 0.0000 | 81.097 | 0.15112 | 0.00000 | 602892.1 | 471185.2 | 0.0 | S |
| 182.317 | 0.0000 | 0.0000 | 81.097 | 0.15112 | 0.00000 | 602892.1 | 471189.7 | 0.0 | S |
| 182.325 | 0.0000 | 0.0000 | 81.097 | 0.15111 | 0.00000 | 602892.1 | 471194.3 | 0.0 | S |
| 182.333 | 0.0000 | 0.0000 | 81.097 | 0.15110 | 0.00000 | 602892.1 | 471198.8 | 0.0 | S |
| 182.342 | 0.0000 | 0.0000 | 81.096 | 0.15109 | 0.00000 | 602892.1 | 471203.3 | 0.0 | S |
| 182.350 | 0.0000 | 0.0000 | 81.096 | 0.15109 | 0.00000 | 602892.1 | 471207.8 | 0.0 | S |
| 182.358 | 0.0000 | 0.0000 | 81.096 | 0.15108 | 0.00000 | 602882.1 | 471212.4 | 0.0 | S |
| 182.367 | 0.0000 | 0.0000 | 81.096 | 0.15107 | 0.00000 | 602892.1 | 471216.9 | 0.0 | S |
| 182.375 | 0.0000 | 0.0000 | 81.096 | 0.15106 | 0.00000 | 602892.1 | 471221.5 | 0.0 | S |
| 182.383 | 0.0000 | 0.0000 | 81.096 | 0.15106 | 0.00000 | 602892.1 | 471226.0 | 0.0 | S |
| 182.392 | 0.0000 | 0.0000 | 81.096 | 0.15105 | 0.00000 | 602892.1 | 471230.5 | 0.0 | S |
| 182.400 | 0.0000 | 0.0000 | 81.096 | 0.15104 | 0.00000 | 602892.1 | 471235.1 | 0.0 | S |
| 182.408 | 0.0000 | 0.0000 | 81.096 | 0.15103 | 0.00000 | 602892.1 | 471239.6 | 0.0 | S |
| 182.417 | 0.0000 | 0.0000 | 81.096 | 0.15103 | 0.00000 | 602892.1 | 471244.1 | 0.0 | S |
| 182.425 | 0.0000 | 0.0000 | 81.096 | 0.15102 | 0.00000 | 602892.1 | 471248.7 | 0.0 | S |
| 182.433 | 0.0000 | 0.0000 | 81.095 | 0.15101 | 0.00000 | 602892.1 | 471253.2 | 0.0 | S |
| 182.442 | 0.0000 | 0.0000 | 81.095 | 0.15100 | 0.00000 | 602892.1 | 471257.7 | 0.0 | S |
| 182.450 | 0.0000 | 0.0000 | 81.095 | 0.15100 | 0.00000 | 602892.1 | 471262.2 | 0.0 | S |
| 182.458 | 0.0000 | 0.0000 | 81.095 | 0.15099 | 0.00000 | 602892.1 | 471266.8 | 0.0 | S |
| 182.467 | 0.0000 | 0.0000 | 81.095 | 0.15098 | 0.00000 | 602892.1 | 471271.3 | 0.0 | S |
| 182.475 | 0.0000 | 0.0000 | 81.095 | 0.15097 | 0.00000 | 602892.1 | 471275.8 | 0.0 | S |
| 182.483 | 0.0000 | 0.0000 | 81.095 | 0.15097 | 0.00000 | 602892.1 | 471280.3 | 0.0 | S |
| 182.492 | 0.0000 | 0.0000 | 81.095 | 0.15096 | 0.00000 | 602892.1 | 471284.9 | 0.0 | S |
| 182.500 | 0.0000 | 0.0000 | 81.095 | 0.15095 | 0.00000 | 602892.1 | 471289.4 | 0.0 | S |
| 182.508 | 0.0000 | 0.0000 | 81.095 | 0.15095 | 0.00000 | 602892.1 | 471293.9 | 0.0 | S |
| 182.517 | 0.0000 | 0.0000 | 81.095 | 0.15094 | 0.00000 | 602892.1 | 471298.5 | 0.0 | S |
| 182.525 | 0.0000 | 0.0000 | 81.094 | 0.15093 | 0.00000 | 602892.1 | 471303.0 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{H}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (fl datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ff}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 182.533 | 0.0000 | 0.0000 | 81.094 | 0.15092 | 0.00000 | 602892.1 | 471307.5 | 0.0 | S |
| 182.542 | 0.0000 | 0.0000 | 81.094 | 0.15092 | 0.00000 | 602892.1 | 471312.1 | 0.0 | S |
| 182.550 | 0.0000 | 0.0000 | 81.094 | 0.15091 | 0.00000 | 602892.1 | 471316.6 | 0.0 | S |
| 182.558 | 0.0000 | 0.0000 | 81.094 | 0.15090 | 0.00000 | 602892.1 | 471321.1 | 0.0 | S |
| 182.567 | 0.0000 | 0.0000 | 81.094 | 0.15089 | 0.00000 | 602892.1 | 471325.6 | 0.0 | S |
| 182.575 | 0.0000 | 0.0000 | 81.094 | 0.15089 | 0.00000 | 602892.1 | 471330.2 | 0.0 | S |
| 182.583 | 0.0000 | 0.0000 | 81.094 | 0.15088 | 0.00000 | 602892.1 | 471334.7 | 0.0 | S |
| 182.592 | 0.0000 | 0.0000 | 81.094 | 0.15087 | 0.00000 | 602892.1 | 471339.2 | 0.0 | S |
| 182.600 | 0.0000 | 0.0000 | 81.094 | 0.15086 | 0.00000 | 602892.1 | 471343.7 | 0.0 | S |
| 182.608 | 0.0000 | 0.0000 | 81.094 | 0.15086 | 0.00000 | 602892.1 | 471348.3 | 0.0 | S |
| 182.617 | 0.0000 | 0.0000 | 81.094 | 0.15085 | 0.00000 | 602892.1 | 471352.8 | 0.0 | S |
| 182.625 | 0.0000 | 0.0000 | 81.093 | 0.15084 | 0.00000 | 602892.1 | 471357.3 | 0.0 | S |
| 182.633 | 0.0000 | 0.0000 | 81.093 | 0.15083 | 0.00000 | 602892.1 | 471361.8 | 0.0 | S |
| 182.642 | 0.0000 | 0.0000 | 81.093 | 0.15083 | 0.00000 | 602892.1 | 471366.4 | 0.0 | S |
| 182.650 | 0.0000 | 0.0000 | 81.093 | 0.15082 | 0.00000 | 602892.1 | 471370.9 | 0.0 | S |
| 182.658 | 0.0000 | 0.0000 | 81.093 | 0.15081 | 0.00000 | 602892.1 | 471375.4 | 0.0 | S |
| 182.667 | 0.0000 | 0.0000 | 81.093 | 0.15080 | 0.00000 | 602892.1 | 471379.9 | 0.0 | S |
| 182.675 | 0.0000 | 0.0000 | 81.093 | 0.15080 | 0.00000 | 602892.1 | 471384.5 | 0.0 | S |
| 182.683 | 0.0000 | 0.0000 | 81.093 | 0.15079 | 0.00000 | 602892.1 | 471389.0 | 0.0 | S |
| 182.692 | 0.0000 | 0.0000 | 81.093 | 0.15078 | 0.00000 | 602892.1 | 471393.5 | 0.0 | S |
| 182.700 | 0.0000 | 0.0000 | 81.093 | 0.15078 | 0.00000 | 602892.1 | 471398.0 | 0.0 | S |
| 182.708 | 0.0000 | 0.0000 | 81.093 | 0.15077 | 0.00000 | 602892.1 | 471402.6 | 0.0 | S |
| 182.717 | 0.0000 | 0.0000 | 81.092 | 0.15076 | 0.00000 | 602892.1 | 471407.1 | 0.0 | S |
| 182.725 | 0.0000 | 0.0000 | 81.092 | 0.15075 | 0.00000 | 602892.1 | 471411.6 | 0.0 | S |
| 182.733 | 0.0000 | 0.0000 | 81.092 | 0.15075 | 0.00000 | 602892.1 | 471416.1 | 0.0 | S |
| 182.742 | 0.0000 | 0.0000 | 81.092 | 0.15074 | 0.00000 | 602892.1 | 471420.7 | 0.0 | S |
| 182.750 | 0.0000 | 0.0000 | 81.092 | 0.15073 | 0.00000 | 602892.1 | 471425.2 | 0.0 | S |
| 182.758 | 0.0000 | 0.0000 | 81.092 | 0.15072 | 0.00000 | 602892.1 | 471429.7 | 0.0 | S |
| 182.767 | 0.0000 | 0.0000 | 81.092 | 0.15072 | 0.00000 | 602892.1 | 471434.2 | 0.0 | S |
| 182.775 | 0.0000 | 0.0000 | 81.092 | 0.15071 | 0.00000 | 602892.1 | 471438.7 | 0.0 | S |
| 182.783 | 0.0000 | 0.0000 | 81.092 | 0.15070 | 0.00000 | 602892.1 | 471443.3 | 0.0 | S |
| 182.792 | 0.0000 | 0.0000 | 81.092 | 0.15069 | 0.00000 | 602892.1 | 471447.8 | 0.0 | S |
| 182.800 | 0.0000 | 0.0000 | 81.092 | 0.15069 | 0.00000 | 602892.1 | 471452.3 | 0.0 | S |
| 182.808 | 0.0000 | 0.0000 | 81.092 | 0.15068 | 0.00000 | 602892.1 | 471456.8 | 0.0 | S |
| 182.817 | 0.0000 | 0.0000 | 81.091 | 0.15067 | 0.00000 | 602892.1 | 471461.3 | 0.0 | S |
| 182.825 | 0.0000 | 0.0000 | 81.091 | 0.15066 | 0.00000 | 602892.1 | 471465.8 | 0.0 | S |
| 182.833 | 0.0000 | 0.0000 | 81.091 | 0.15066 | 0.00000 | 602892.1 | 471470.4 | 0.0 | S |
| 182.842 | 0.0000 | 0.0000 | 81.091 | 0.15065 | 0.00000 | 602892.1 | 471474.9 | 0.0 | S |
| 182.850 | 0.0000 | 0.0000 | 81.091 | 0.15064 | 0.00000 | 602892.1 | 471479.4 | 0.0 | S |
| 182.858 | 0.0000 | 0.0000 | 81.091 | 0.15064 | 0.00000 | 602892.1 | 471483.9 | 0.0 | S |
| 182.867 | 0.0000 | 0.0000 | 81.091 | 0.15063 | 0.00000 | 602892.1 | 471488.4 | 0.0 | S |
| 182.875 | 0.0000 | 0.0000 | 81.091 | 0.15062 | 0.00000 | 602892.1 | 471493.0 | 0.0 | S |
| 182.883 | 0.0000 | 0.0000 | 81.091 | 0.15061 | 0.00000 | 602892.1 | 471497.5 | 0.0 | S |
| 182.892 | 0.0000 | 0.0000 | 81.091 | 0.15061 | 0.00000 | 602892.1 | 471502.0 | 0.0 | S |
| 182.900 | 0.0000 | 0.0000 | 81.091 | 0.15060 | 0.00000 | 602892.1 | 471506.5 | 0.0 | S |
| 182.908 | 0.0000 | 0.0000 | 81.090 | 0.15059 | 0.00000 | 602892.1 | 471511.0 | 0.0 | S |
| 182.917 | 0.0000 | 0.0000 | 81.090 | 0.15058 | 0.00000 | 602892.1 | 471515.6 | 0.0 | S |
| 182.925 | 0.0000 | 0.0000 | 81.090 | 0.15058 | 0.00000 | 602892.1 | 471520.1 | 0.0 | S |
| 182.933 | 0.0000 | 0.0000 | 81.090 | 0.15057 | 0.00000 | 602892.1 | 471524.6 | 0.0 | S |
| 182.942 | 0.0000 | 0.0000 | 81.090 | 0.15056 | 0.00000 | 602892.1 | 471529.1 | 0.0 | S |
| 182.950 | 0.0000 | 0.0000 | 81.090 | 0.15055 | 0.00000 | 602892.1 | 471533.6 | 0.0 | S |
| 182.958 | 0.0000 | 0.0000 | 81.090 | 0.15055 | 0.00000 | 602892.1 | 471538.2 | 0.0 | S |
| 182.967 | 0.0000 | 0.0000 | 81.090 | 0.15054 | 0.00000 | 602892.1 | 471542.7 | 0.0 | S |
| 182.975 | 0.0000 | 0.0000 | 81.090 | 0.15053 | 0.00000 | 602892.1 | 471547.2 | 0.0 | S |
| 182.983 | 0.0000 | 0.0000 | 81.090 | 0.15053 | 0.00000 | 602892.1 | 471551.7 | 0.0 | S |
| 182.992 | 0.0000 | 0.0000 | 81.090 | 0.15052 | 0.00000 | 602892.1 | 471556.2 | 0.0 | S |
| 183.000 | 0.0000 | 0.0000 | 81.090 | 0.15051 | 0.00000 | 602892.1 | 471560.7 | 0.0 | S |
| 183.008 | 0.0000 | 0.0000 | 81.089 | 0.15050 | 0.00000 | 602892.1 | 471565.3 | 0.0 | S |
| 183.017 | 0.0000 | 0.0000 | 81.089 | 0.15050 | 0.00000 | 602892.1 | 471569.8 | 0.0 | S |
| 183.025 | 0.0000 | 0.0000 | 81.089 | 0.15049 | 0.00000 | 602892.1 | 471574.3 | 0.0 | S |
| 183.033 | 0.0000 | 0.0000 | 81.089 | 0.15048 | 0.00000 | 602892.1 | 471578.8 | 0.0 | S |
| 183.042 | 0.0000 | 0.0000 | 81.089 | 0.15047 | 0.00000 | 602892.1 | 471583.3 | 0.0 | S |
| 183.050 | 0.0000 | 0.0000 | 81.089 | 0.15047 | 0.00000 | 602892.1 | 471587.8 | 0.0 | S |
| 183.058 | 0.0000 | 0.0000 | 81.089 | 0.15046 | 0.00000 | 602892.1 | 471592.3 | 0.0 | S |
| 183.067 | 0.0000 | 0.0000 | 81.089 | 0.15045 | 0.00000 | 602892.1 | 471596.8 | 0.0 | S |
| 183.075 | 0.0000 | 0.0000 | 81.089 | 0.15044 | 0.00000 | 602892.1 | 471601.3 | 0.0 | S |
| 183.083 | 0.0000 | 0.0000 | 81.089 | 0.15044 | 0.00000 | 602892.1 | 471605.9 | 0.0 | S |
| 183.092 | 0.0000 | 0.0000 | 81.089 | 0.15043 | 0.00000 | 602892.1 | 471610.4 | 0.0 | S |
| 183.100 | 0.0000 | 0.0000 | 81.088 | 0.15042 | 0.00000 | 602892.1 | 471614.9 | 0.0 | S |
| 183.108 | 0.0000 | 0.0000 | 81.088 | 0.15041 | 0.00000 | 602892.1 | 471619.4 | 0.0 | S |
| 183.117 | 0.0000 | 0.0000 | 81.088 | 0.15041 | 0.00000 | 602892.1 | 471623.9 | 0.0 | S |
| 183.125 | 0.0000 | 0.0000 | 81.088 | 0.15040 | 0.00000 | 602892.1 | 471628.4 | 0.0 | S |
| 483.133 | 0.0000 | 0.0000 | 81.088 | 0.15039 | 0.00000 | 602892.1 | 471632.9 | 0.0 | S |
| 183.142 | 0.0000 | 0.0000 | 81.088 | 0.15039 | 0.00000 | 602892.1 | 471637.4 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (fy/day) | Stage Elevation (ft datum) | Infittration Rate (fishs) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infilitration Volume ( $\mathrm{H}^{3}$ ) | Cumuiative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 183.150 | 0.0000 | 0.0000 | 81.088 | 0.15038 | 0.00000 | 602892.1 | 471642.0 | 0.0 | S |
| 183.158 | 0.0000 | 0.0000 | 81.088 | 0.15037 | 0.00000 | 602892.1 | 471646.5 | 0.0 | S |
| 183.167 | 0.0000 | 0.0000 | 81.088 | 0.15036 | 0.00000 | 602892.1 | 471651.0 | 0.0 | S |
| 183.175 | 0.0000 | 0.0000 | 81.088 | 0.15036 | 0.00000 | 602892.1 | 471655.5 | 0.0 | S |
| 183.183 | 0.0000 | 0.0000 | 81.088 | 0.15035 | 0.00000 | 602892.1 | 471660.0 | 0.0 | S |
| 183.192 | 0.0000 | 0.0000 | 81.088 | 0.15034 | 0.00000 | 602892.1 | 471664.5 | 0.0 | S |
| 183.200 | 0.0000 | 0.0000 | 81.087 | 0.15033 | 0.00000 | 602892.1 | 471669.0 | 0.0 | S |
| 183.208 | 0.0000 | 0.0000 | 81.087 | 0.15033 | 0.00000 | 602892.1 | 471673.5 | 0.0 | S |
| 183.217 | 0.0000 | 0.0000 | 81.087 | 0.15032 | 0.00000 | 602892.1 | 471678.1 | 0.0 | S |
| 183.225 | 0.0000 | 0.0000 | 81.087 | 0.15031 | 0.00000 | 602892.1 | 471682.6 | 0.0 | S |
| 183.233 | 0.0000 | 0.0000 | 81.087 | 0.15030 | 0.00000 | 602892.1 | 471687.1 | 0.0 | S |
| 183.242 | 0.0000 | 0.0000 | 81.087 | 0.15030 | 0.00000 | 602892.1 | 471691.6 | 0.0 | S |
| 183.250 | 0.0000 | 0.0000 | 81.087 | 0.15029 | 0.00000 | 602892.1 | 471696.1 | 0.0 | S |
| 183.258 | 0.0000 | 0.0000 | 81.087 | 0.15028 | 0.00000 | 602892.1 | 471700.6 | 0.0 | S |
| 183.267 | 0.0000 | 0.0000 | 81.087 | 0.15028 | 0.00000 | 602892.1 | 471705.1 | 0.0 | S |
| 183.275 | 0.0000 | 0.0000 | 81.087 | 0.15027 | 0.00000 | 602892.1 | 471709.6 | 0.0 | S |
| 183.283 | 0.0000 | 0.0000 | 81.087 | 0.15026 | 0.00000 | 602892.1 | 471714.1 | 0.0 | S |
| 183.292 | 0.0000 | 0.0000 | 81.086 | 0.15025 | 0.00000 | 602892.1 | 471718.6 | 0.0 | S |
| 183.300 | 0.0000 | 0.0000 | 81.086 | 0.15025 | 0.00000 | 602892.1 | 471723.1 | 0.0 | S |
| 183.308 | 0.0000 | 0.0000 | 81.086 | 0.15024 | 0.00000 | 602892.1 | 471727.6 | 0.0 | S |
| 183.317 | 0.0000 | 0.0000 | 81.086 | 0.15023 | 0.00000 | 602892.1 | 471732.2 | 0.0 | S |
| 183.325 | 0.0000 | 0.0000 | 81.086 | 0.15022 | 0.00000 | 602892.1 | 471736.7 | 0.0 | S |
| 183.333 | 0.0000 | 0.0000 | 81.086 | 0.15022 | 0.00000 | 602892.1 | 471741.2 | 0.0 | S |
| 183.342 | 0.0000 | 0.0000 | 81.086 | 0.15021 | 0.00000 | 602892.1 | 471745.7 | 0.0 | S |
| 183.350 | 0.0000 | 0.0000 | 81.086 | 0.15020 | 0.00000 | 602892.1 | 471750.2 | 0.0 | S |
| 183.358 | 0.0000 | 0.0000 | 81.086 | 0.15019 | 0.00000 | 602892.1 | 471754.7 | 0.0 | S |
| 183.367 | 0.0000 | 0.0000 | 81.086 | 0.15019 | 0.00000 | 602892.1 | 471759.2 | 0.0 | S |
| 183.375 | 0.0000 | 0.0000 | 81.086 | 0.15018 | 0.00000 | 602892.1 | 471763.7 | 0.0 | S |
| 183.383 | 0.0000 | 0.0000 | 81.086 | 0.15017 | 0.00000 | 602892.1 | 471768.2 | 0.0 | S |
| 183.392 | 0.0000 | 0.0000 | 81.085 | 0.15017 | 0.00000 | 602892.1 | 471772.7 | 0.0 | S |
| 183.400 | 0.0000 | 0.0000 | 81.085 | 0.15016 | 0.00000 | 602892.1 | 471777.2 | 0.0 | S |
| 183.408 | 0.0000 | 0.0000 | 81.085 | 0.15015 | 0.00000 | 602892.1 | 471781.7 | 0.0 | S |
| 183.417 | 0.0000 | 0.0000 | 81.085 | 0.15014 | 0.00000 | 602892.1 | 471786.2 | 0.0 | S |
| 183.425 | 0.0000 | 0.0000 | 81.085 | 0.15014 | 0.00000 | 602892.1 | 471790.7 | 0.0 | S |
| 183.433 | 0.0000 | 0.0000 | 81.085 | 0.15013 | 0.00000 | 602892.1 | 471795.2 | 0.0 | S |
| 183.442 | 0.0000 | 0.0000 | 81.085 | 0.15012 | 0.00000 | 602892.1 | 471799.7 | 0.0 | S |
| 183.450 | 0.0000 | 0.0000 | 81.085 | 0.15011 | 0.00000 | 602892.1 | 471804.2 | 0.0 | S |
| 183.458 | 0.0000 | 0.0000 | 81.085 | 0.15011 | 0.00000 | 602892.1 | 471808.7 | 0.0 | S |
| 183.467 | 0.0000 | 0.0000 | 81.085 | 0.15010 | 0.00000 | 602892.1 | 471813.3 | 0.0 | S |
| 183.475 | 0.0000 | 0.0000 | 81.085 | 0.15009 | 0.00000 | 602892.1 | 471817.8 | 0.0 | S |
| 183.483 | 0.0000 | 0.0000 | 81.084 | 0.15009 | 0.00000 | 602892.1 | 471822.3 | 0.0 | S |
| 183.492 | 0.0000 | 0.0000 | 81.084 | 0.15008 | 0.00000 | 602892.1 | 471826.8 | 0.0 | S |
| 183.500 | 0.0000 | 0.0000 | 81.084 | 0.15007 | 0.00000 | 602892.1 | 47§831.3 | 0.0 | S |
| 183.508 | 0.0000 | 0.0000 | 81.084 | 0.15006 | 0.00000 | 602892.1 | 471835.8 | 0.0 | S |
| 183.517 | 0.0000 | 0.0000 | 81.084 | 0.15006 | 0.00000 | 602892.1 | 471840.3 | 0.0 | S |
| 183.525 | 0.0000 | 0.0000 | 81.084 | 0.15005 | 0.00000 | 602892.1 | 471844.8 | 0.0 | S |
| 183.533 | 0.0000 | 0.0000 | 81.084 | 0.15004 | 0.00000 | 602892.1 | 471849.3 | 0.0 | S |
| 183.542 | 0.0000 | 0.0000 | 81.084 | 0.15003 | 0.00000 | 602892.1 | 471853.8 | 0.0 | S |
| 183.550 | 0.0000 | 0.0000 | 81.084 | 0.15003 | 0.00000 | 602892.1 | 471858.3 | 0.0 | S |
| $\ddagger 83.558$ | 0.0000 | 0.0000 | 81.084 | 0.15002 | 0.00000 | 602892.1 | 471862.8 | 0.0 | S |
| 183.567 | 0.0000 | 0.0000 | 81.084 | 0.15001 | 0.00000 | 602892.1 | 471867.3 | 0.0 | S |
| 183.575 | 0.0000 | 0.0000 | 81.084 | 0.15000 | 0.00000 | 602892.1 | 471871.8 | 0.0 | S |
| 183.583 | 0.0000 | 0.0000 | 81.083 | 0.15000 | 0.00000 | 602892.1 | 471876.3 | 0.0 | S |
| 183.592 | 0.0000 | 0.0000 | 81.083 | 0.14999 | 0.00000 | 602892.1 | 471880.8 | 0.0 | S |
| 183.600 | 0.0000 | 0.0000 | 81.083 | 0.14998 | 0.00000 | 602892.1 | 471885.3 | 0.0 | S |
| 183.608 | 0.0000 | 0.0000 | 81.083 | 0.14998 | 0.00000 | 602892.1 | 471889.8 | 0.0 | S |
| 183.617 | 0.0000 | 0.0000 | 81.083 | 0.14997 | 0.00000 | 602892.1 | 471894.3 | 0.0 | S |
| 183.625 | 0.0000 | 0.0000 | 81.083 | 0.14996 | 0.00000 | 602892.1 | 471898.8 | 0.0 | S |
| 183.633 | 0.0000 | 0.0000 | 81.083 | 0.14995 | 0.00000 | 602892.1 | 471903.3 | 0.0 | S |
| 183.642 | 0.0000 | 0.0000 | 81.083 | 0.14995 | 0.00000 | 602892.1 | 471907.8 | 0.0 | S |
| 183.650 | 0.0000 | 0.0000 | 81.083 | 0.14994 | 0.00000 | 602892.1 | 471912.3 | 0.0 | S |
| 183.658 | 0.0000 | 0.0000 | 81.083 | 0.14993 | 0.00000 | 602892.1 | 471916.8 | 0.0 | S |
| 183.667 | 0.0000 | 0.0000 | 81.083 | 0.14992 | 0.00000 | 602892.1 | 471921.3 | 0.0 | S |
| 183.675 | 0.0000 | 0.0000 | 81.082 | 0.14992 | 0.00000 | 602892.1 | 471925.8 | 0.0 | S |
| 183.683 | 0.0000 | 0.0000 | 81.082 | 0.14991 | 0.00000 | 602892.1 | 471930.3 | 0.0 | S |
| 183.692 | 0.0000 | 0.0000 | 81.082 | 0.14990 | 0.00000 | 602892.1 | 471934.8 | 0.0 | S |
| 183.700 | 0.0000 | 0.0000 | 81.082 | 0.14990 | 0.00000 | 602892.1 | 471939.2 | 0.0 | S |
| 183.708 | 0.0000 | 0.0000 | 81.082 | 0.14989 | 0.00000 | 602892.1 | 471943.7 | 0.0 | S |
| 183.717 | 0.0000 | 0.0000 | 81.082 | 0.14988 | 0.00000 | 602892.1 | 471948.2 | 0.0 | S |
| 183.725 | 0.0000 | 0.0000 | 81.082 | 0.14987 | 0.00000 | 602892.1 | 471952.7 | 0.0 | S |
| 183.733 | 0.0000 | 0.0000 | 81.082 | 0.14987 | 0.00000 | 602892.1 | 471957.2 | 0.0 | S |
| 183.742 | 0.0000 | 0.0000 | 81.082 | 0.14986 | 0.00000 | 602892.1 | 471961.7 | 0.0 | S |
| 183.750 | 0.0000 | 0.0000 | 81.082 | 0.14985 | 0.00000 | 602892.1 | 471966.2 | 0.0 | S |
| 183.758 | 0.0000 | 0.0000 | 81.082 | 0.14984 | 0.00000 | 602892.1 | 471970.7 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 /} / \mathrm{s}$ ) | Overfiow <br> Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ff}^{3}$ ) | Cumulative Enfiltration Volume ( $\mathrm{t}^{3}$ ) | Cumulative Discharge Volume (ft ${ }^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 183.767 | 0.0000 | 0.0000 | 81.082 | 0.14984 | 0.00000 | 602892.1 | 471975.2 | 0.0 | S |
| 183.775 | 0.0000 | 0.0000 | 81.081 | 0.14983 | 0.00000 | 602892.1 | 471979.7 | 0.0 | S |
| 183.783 | 0.0000 | 0.0000 | 81.081 | 0.14982 | 0.00000 | 602892.1 | 471984.2 | 0.0 | S |
| 183.792 | 0.0000 | 0.0000 | 81.081 | 0.14981 | 0.00000 | 602892.1 | 471988.7 | 0.0 | S |
| 183.800 | 0.0000 | 0.0000 | 81.081 | 0.14981 | 0.00000 | 602892.1 | 471993.2 | 0.0 | S |
| 183.808 | 0.0000 | 0.0000 | 81.081 | 0.14980 | 0.00000 | 602892.1 | 471997.7 | 0.0 | S |
| 183.817 | 0.0000 | 0.0000 | 81.081 | 0.14979 | 0.00000 | 602892.1 | 472002.2 | 0.0 | S |
| 183.825 | 0.0000 | 0.0000 | 81.081 | 0.14979 | 0.00000 | 602892.1 | 472006.7 | 0.0 | S |
| 183.833 | 0.0000 | 0.0000 | 81.081 | 0.14978 | 0.00000 | 602892.1 | 472011.2 | 0.0 | S |
| 183.842 | 0.0000 | 0.0000 | 81.081 | 0.14977 | 0.00000 | 602892.1 | 472015.7 | 0.0 | S |
| 183.850 | 0.0000 | 0.0000 | 81.081 | 0.14976 | 0.00000 | 602892.1 | 472020.2 | 0.0 | S |
| 183.858 | 0.0000 | 0.0000 | 81.081 | 0.14976 | 0.00000 | 602892.1 | 472024.6 | 0.0 | S |
| 183.867 | 0.0000 | 0.0000 | 81.080 | 0.14975 | 0.00000 | 602892.1 | 472029.1 | 0.0 | S |
| 183.875 | 0.0000 | 0.0000 | 81.080 | 0.14974 | 0.00000 | 602892.1 | 472033.6 | 0.0 | S |
| 183.883 | 0.0000 | 0.0000 | 81.080 | 0.14973 | 0.00000 | 602892.1 | 472038.1 | 0.0 | S |
| 183.892 | 0.0000 | 0.0000 | 81.080 | 0.14973 | 0.00000 | 602892.1 | 472042.6 | 0.0 | S |
| 183.900 | 0.0000 | 0.0000 | 81.080 | 0.14972 | 0.00000 | 602892.1 | 472047.1 | 0.0 | S |
| 183.908 | 0.0000 | 0.0000 | 81.080 | 0.14971 | 0.00000 | 602892.1 | 472051.6 | 0.0 | S |
| 183.917 | 0.0000 | 0.0000 | 81.080 | 0.14971 | 0.00000 | 602892.1 | 472056.1 | 0.0 | S |
| 183.925 | 0.0000 | 0.0000 | 81.080 | 0.14970 | 0.00000 | 602892.1 | 472060.6 | 0.0 | S |
| 183.933 | 0.0000 | 0.0000 | 81.080 | 0.14969 | 0.00000 | 602892.1 | 472065.1 | 0.0 | S |
| 183.942 | 0.0000 | 0.0000 | 81.080 | 0.14968 | 0.00000 | 602892.1 | 472069.6 | 0.0 | S |
| 183.950 | 0.0000 | 0.0000 | 81.080 | 0.14968 | 0.00000 | 602892.1 | 472074.0 | 0.0 | S |
| 183.958 | 0.0000 | 0.0000 | 81.080 | 0.14967 | 0.00000 | 602892.1 | 472078.5 | 0.0 | S |
| 183.967 | 0.0000 | 0.0000 | 81.079 | 0.14966 | 0.00000 | 602892.1 | 472083.0 | 0.0 | S |
| 183.975 | 0.0000 | 0.0000 | 81.079 | 0.14965 | 0.00000 | 602892.1 | 472087.5 | 0.0 | S |
| 183.983 | 0.0000 | 0.0000 | 81.079 | 0.14965 | 0.00000 | 602892.1 | 472092.0 | 0.0 | S |
| 183.992 | 0.0000 | 0.0000 | 81.079 | 0.14964 | 0.00000 | 602892.1 | 472096.5 | 0.0 | S |
| 184.000 | 0.0000 | 0.0000 | 81.079 | 0.14963 | 0.00000 | 602892.1 | 472101.0 | 0.0 | S |
| 184.008 | 0.0000 | 0.0000 | 81.079 | 0.14963 | 0.00000 | 602892.1 | 472105.5 | 0.0 | S |
| 184.017 | 0.0000 | 0.0000 | 81.079 | 0.14962 | 0.00000 | 602892.1 | 472110.0 | 0.0 | S |
| 184.025 | 0.0000 | 0.0000 | 81.079 | 0.14961 | 0.00000 | 602892.1 | 472114.4 | 0.0 | S |
| 184.033 | 0.0000 | 0.0000 | 81.079 | 0.14960 | 0.00000 | 602892.1 | 472118.9 | 0.0 | S |
| 184.042 | 0.0000 | 0.0000 | 81.079 | 0.14960 | 0.00000 | 602892.1 | 472123.4 | 0.0 | S |
| 184.050 | 0.0000 | 0.0000 | 81.079 | 0.14959 | 0.00000 | 602892.1 | 472127.9 | 0.0 | S |
| 184.058 | 0.0000 | 0.0000 | 81.078 | 0.14958 | 0.00000 | 602892.1 | 472132.4 | 0.0 | S |
| 184.067 | 0.0000 | 0.0000 | 81.078 | 0.14957 | 0.00000 | 602892.1 | 472136.9 | 0.0 | S |
| 184.075 | 0.0000 | 0.0000 | 81.078 | 0.14957 | 0.00000 | 602892.1 | 472141.4 | 0.0 | S |
| 184.083 | 0.0000 | 0.0000 | 81.078 | 0.14956 | 0.00000 | 602892.1 | 472145.8 | 0.0 | S |
| 184.092 | 0.0000 | 0.0000 | 81.078 | 0.14955 | 0.00000 | 602892.1 | 472150.3 | 0.0 | S |
| 184.100 | 0.0000 | 0.0000 | 81.078 | 0.14955 | 0.00000 | 602892.1 | 472154.8 | 0.0 | S |
| 184.108 | 0.0000 | 0.0000 | 81.078 | 0.14954 | 0.00000 | 602892.1 | 472159.3 | 0.0 | S |
| 184.117 | 0.0000 | 0.0000 | 81.078 | 0.14953 | 0.00000 | 602892.1 | 472163.8 | 0.0 | S |
| 184.125 | 0.0000 | 0.0000 | 81.078 | 0.14952 | 0.00000 | 602892.1 | 472168.3 | 0.0 | S |
| 184.133 | 0.0000 | 0.0000 | 81.078 | 0.14952 | 0.00000 | 602892.1 | 472172.8 | 0.0 | S |
| 184.142 | 0.0000 | 0.0000 | 81.078 | 0.14951 | 0.00000 | 602892.1 | 472177.3 | 0.0 | S |
| 184.150 | 0.0000 | 0.0000 | 81.078 | 0.14950 | 0.00000 | 602892.1 | 472181.8 | 0.0 | S |
| 184.158 | 0.0000 | 0.0000 | 81.077 | 0.14949 | 0.00000 | 602892.1 | 472186.2 | 0.0 | S |
| 184.167 | 0.0000 | 0.0000 | 81.077 | 0.14949 | 0.00000 | 602892.1 | 472190.7 | 0.0 | S |
| 184.175 | 0.0000 | 0.0000 | 81.077 | 0.14948 | 0.00000 | 602892.1 | 472195.2 | 0.0 | S |
| 184.183 | 0.0000 | 0.0000 | 81.077 | 0.14947 | 0.00000 | 602892.1 | 472199.7 | 0.0 | S |
| 184.192 | 0.0000 | 0.0000 | 81.077 | 0.14947 | 0.00000 | 602892.1 | 472204.2 | 0.0 | S |
| 184.200 | 0.0000 | 0.0000 | 81.077 | 0.14946 | 0.00000 | 602892.1 | 472208.7 | 0.0 | S |
| 184.208 | 0.0000 | 0.0000 | 81.077 | 0.14945 | 0.00000 | 602892.1 | 472213.1 | 0.0 | S |
| 184.217 | 0.0000 | 0.0000 | 81.077 | 0.14944 | 0.00000 | 602892.1 | 472217.6 | 0.0 | S |
| 184.225 | 0.0000 | 0.0000 | 81.077 | 0.14944 | 0.00000 | 602892.1 | 472222.1 | 0.0 | S |
| 184.233 | 0.0000 | 0.0000 | 81.077 | 0.14943 | 0.00000 | 602892.1 | 472226.6 | 0.0 | S |
| 184.242 | 0.0000 | 0.0000 | 81.077 | 0.14942 | 0.00000 | 602892.1 | 472231.1 | 0.0 | S |
| 184.250 | 0.0000 | 0.0000 | 81.076 | 0.14941 | 0.00000 | 602892.1 | 472235.6 | 0.0 | S |
| 184.258 | 0.0000 | 0.0000 | 81.076 | 0.14941 | 0.00000 | 602892.1 | 472240.0 | 0.0 | S |
| 184.267 | 0.0000 | 0.0000 | 81.076 | 0.14940 | 0.00000 | 602892.1 | 472244.5 | 0.0 | S |
| 184.275 | 0.0000 | 0.0000 | 81.076 | 0.14939 | 0.00000 | 602892.1 | 472249.0 | 0.0 | S |
| 184.283 | 0.0000 | 0.0000 | 81.076 | 0.14939 | 0.00000 | 602892.1 | 472253.5 | 0.0 | S |
| 184.292 | 0.0000 | 0.0000 | 81.076 | 0.14938 | 0.00000 | 602892.1 | 472258.0 | 0.0 | S |
| 184.300 | 0.0000 | 0.0000 | 81.076 | 0.14937 | 0.00000 | 602892.1 | 472262.4 | 0.0 | S |
| 184.308 | 0.0000 | 0.0000 | 81.076 | 0.14936 | 0.00000 | 602892.1 | 472266.9 | 0.0 | S |
| 184.317 | 0.0000 | 0.0000 | 81.076 | 0.14936 | 0.00000 | 602892.1 | 472271.4 | 0.0 | S |
| 184.325 | 0.0000 | 0.0000 | 81.076 | 0.14935 | 0.00000 | 602892.1 | 472275.9 | 0.0 | S |
| 184.333 | 0.0000 | 0.0000 | 81.076 | 0.14934 | 0.00000 | 602892.1 | 472280.4 | 0.0 | S |
| 184.342 | 0.0000 | 0.0000 | 81.076 | 0.14934 | 0.00000 | 602892.1 | 472284.8 | 0.0 | S |
| 184.350 | 0.0000 | 0.0000 | 81.075 | 0.14933 | 0.00000 | 602892.1 | 472289.3 | 0.0 | S |
| 184.358 | 0.0000 | 0.0000 | 81.075 | 0.14932 | 0.00000 | 602892.1 | 472293.8 | 0.0 | S |
| 184.367 | 0.0000 | 0.0000 | 81.075 | 0.14931 | 0.00000 | 602892.1 | 472298.3 | 0.0 | S |
| 184.375 | 0.0000 | 0.0000 | 81.075 | 0.14931 | 0.00000 | 602892.1 | 472302.8 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{H}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{H}^{3 / \mathrm{s}}$ ) | Cumulative inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 184.383 | 0.0000 | 0.0000 | 81.075 | 0.14930 | 0.00000 | 602892.1 | 472307.3 | 0.0 | S |
| 184.392 | 0.0000 | 0.0000 | 81.075 | 0.14929 | 0.00000 | 602892.1 | 472311.7 | 0.0 | S |
| 184.400 | 0.0000 | 0.0000 | 81.075 | 0.14928 | 0.00000 | 602892.1 | 472316.2 | 0.0 | S |
| 184.408 | 0.0000 | 0.0000 | 81.075 | 0.14928 | 0.00000 | 602892.1 | 472320.7 | 0.0 | S |
| 184.417 | 0.0000 | 0.0000 | 81.075 | 0.14927 | 0.00000 | 602892.1 | 472325.2 | 0.0 | S |
| 184.425 | 0.0000 | 0.0000 | 81.075 | 0.14926 | 0.00000 | 602892.1 | 472329.6 | 0.0 | S |
| 184.433 | 0.0000 | 0.0000 | 81.075 | 0.14926 | 0.00000 | 602892.1 | 472334.1 | 0.0 | S |
| 184.442 | 0.0000 | 0.0000 | 81.075 | 0.14925 | 0.00000 | 602892.1 | 472338.6 | 0.0 | S |
| 184.450 | 0.0000 | 0.0000 | 81.074 | 0.14924 | 0.00000 | 602892.1 | 472343.1 | 0.0 | S |
| 184.458 | 0.0000 | 0.0000 | 81.074 | 0.14923 | 0.00000 | 602892.1 | 472347.5 | 0.0 | S |
| 184.467 | 0.0000 | 0.0000 | 81.074 | 0.14923 | 0.00000 | 602892.1 | 472352.0 | 0.0 | S |
| 184.475 | 0.0000 | 0.0000 | 81.074 | 0.14922 | 0.00000 | 602892.1 | 472356.5 | 0.0 | S |
| 184.483 | 0.0000 | 0.0000 | 81.074 | 0.14921 | 0.00000 | 602892.1 | 472361.0 | 0.0 | S |
| 184.492 | 0.0000 | 0.0000 | 81.074 | 0.14920 | 0.00000 | 602892.1 | 472365.4 | 0.0 | S |
| 184.500 | 0.0000 | 0.0000 | 81.074 | 0.14920 | 0.00000 | 602892.1 | 472369.9 | 0.0 | S |
| 184.508 | 0.0000 | 0.0000 | 81.074 | 0.14919 | 0.00000 | 602892.1 | 472374.4 | 0.0 | S |
| 184.517 | 0.0000 | 0.0000 | 81.074 | 0.14918 | 0.00000 | 602892.1 | 472378.9 | 0.0 | S |
| 184.525 | 0.0000 | 0.0000 | 81.074 | 0.14918 | 0.00000 | 602892.1 | 472383.3 | 0.0 | S |
| 184.533 | 0.0000 | 0.0000 | 81.074 | 0.14917 | 0.00000 | 602892.1 | 472387.8 | 0.0 | S |
| 184.542 | 0.0000 | 0.0000 | 81.073 | 0.14916 | 0.00000 | 602892.1 | 472392.3 | 0.0 | S |
| 184.550 | 0.0000 | 0.0000 | 81.073 | 0.14915 | 0.00000 | 602892.1 | 472396.8 | 0.0 | S |
| 184.558 | 0.0000 | 0.0000 | 81.073 | 0.14915 | 0.00000 | 602892.1 | 472401.3 | 0.0 | S |
| 184.567 | 0.0000 | 0.0000 | 81.073 | 0.14914 | 0.00000 | 602892.1 | 472405.7 | 0.0 | S |
| 184.575 | 0.0000 | 0.0000 | 81.073 | 0.14913 | 0.00000 | 602892.1 | 472410.2 | 0.0 | S |
| 184.583 | 0.0000 | 0.0000 | 81.073 | 0.14913 | 0.00000 | 602892.1 | 472414.7 | 0.0 | S |
| 184.592 | 0.0000 | 0.0000 | 81.073 | 0.14912 | 0.00000 | 602892.1 | 472419.2 | 0.0 | S |
| 184.600 | 0.0000 | 0.0000 | 81.073 | 0.14911 | 0.00000 | 602892.1 | 472423.6 | 0.0 | S |
| 184.608 | 0.0000 | 0.0000 | 81.073 | 0.14910 | 0.00000 | 602892.1 | 472428.1 | 0.0 | S |
| 184.617 | 0.0000 | 0.0000 | 81.073 | 0.14910 | 0.00000 | 602892.1 | 472432.6 | 0.0 | S |
| 184.625 | 0.0000 | 0.0000 | 81.073 | 0.14909 | 0.00000 | 602892.1 | 472437.0 | 0.0 | S |
| 184.633 | 0.0000 | 0.0000 | 81.073 | 0.14908 | 0.00000 | 602892.1 | 472441.5 | 0.0 | S |
| 184.642 | 0.0000 | 0.0000 | 81.072 | 0.14907 | 0.00000 | 602892.1 | 472446.0 | 0.0 | S |
| 184.650 | 0.0000 | 0.0000 | 81.072 | 0.14907 | 0.00000 | 602892.1 | 472450.5 | 0.0 | S |
| 184.658 | 0.0000 | 0.0000 | 81.072 | 0.14906 | 0.00000 | 602892.1 | 472454.9 | 0.0 | S |
| 184.667 | 0.0000 | 0.0000 | 81.072 | 0.14905 | 0.00000 | 602892.1 | 472459.4 | 0.0 | S |
| 184.675 | 0.0000 | 0.0000 | 81.072 | 0.14905 | 0.00000 | 602892.1 | 472463.9 | 0.0 | S |
| 184.683 | 0.0000 | 0.0000 | 81.072 | 0.14904 | 0.00000 | 602892.1 | 472468.3 | 0.0 | S |
| 184.692 | 0.0000 | 0.0000 | 81.072 | 0.14903 | 0.00000 | 602892.1 | 472472.8 | 0.0 | S |
| 184.700 | 0.0000 | 0.0000 | 81.072 | 0.14902 | 0.00000 | 602892.1 | 472477.3 | 0.0 | S |
| 184.708 | 0.0000 | 0.0000 | 81.072 | 0.14902 | 0.00000 | 602892.1 | 472481.8 | 0.0 | S |
| 184.717 | 0.0000 | 0.0000 | 81.072 | 0.14901 | 0.00000 | 602892.1 | 472486.2 | 0.0 | S |
| 184.725 | 0.0000 | 0.0000 | 81.072 | 0.14900 | 0.00000 | 602892.1 | 472490.7 | 0.0 | S |
| 184.733 | 0.0000 | 0.0000 | 81.071 | 0.14899 | 0.00000 | 602892.1 | 472495.2 | 0.0 | S |
| 184.742 | 0.0000 | 0.0000 | 81.071 | 0.14899 | 0.00000 | 602892.1 | 472499.6 | 0.0 | S |
| 184.750 | 0.0000 | 0.0000 | 81.071 | 0.14898 | 0.00000 | 602892.1 | 472504.1 | 0.0 | S |
| 184.758 | 0.0000 | 0.0000 | 81.071 | 0.14897 | 0.00000 | 602892.1 | 472508.6 | 0.0 | S |
| 184.767 | 0.0000 | 0.0000 | 81.071 | 0.14897 | 0.00000 | 602892.1 | 472513.0 | 0.0 | S |
| 184.775 | 0.0000 | 0.0000 | 81.071 | 0.14896 | 0.00000 | 602892.1 | 472517.5 | 0.0 | S |
| 184.783 | 0.0000 | 0.0000 | 81.071 | 0.14895 | 0.00000 | 602892.1 | 472522.0 | 0.0 | S |
| 184.792 | 0.0000 | 0.0000 | 81.071 | 0.14894 | 0.00000 | 602892.1 | 472526.4 | 0.0 | S |
| 184.800 | 0.0000 | 0.0000 | 81.071 | 0.14894 | 0.00000 | 602892.1 | 472530.9 | 0.0 | S |
| 184.808 | 0.0000 | 0.0000 | 81.071 | 0.14893 | 0.00000 | 602892.1 | 472535.4 | 0.0 | S |
| 184.817 | 0.0000 | 0.0000 | 81.071 | 0.14892 | 0.00000 | 602892.1 | 472539.8 | 0.0 | S |
| \$84.825 | 0.0000 | 0.0000 | 81.071 | 0.14892 | 0.00000 | 602892.1 | 472544.3 | 0.0 | S |
| 184.833 | 0.0000 | 0.0000 | 81.070 | 0.14891 | 0.00000 | 602892.1 | 472548.8 | 0.0 | S |
| 184.842 | 0.0000 | 0.0000 | 81.070 | 0.14890 | 0.00000 | 602892.1 | 472553.3 | 0.0 | S |
| 184.850 | 0.0000 | 0.0000 | 81.070 | 0.14889 | 0.00000 | 602892.1 | 472557.7 | 0.0 | S |
| 184.858 | 0.0000 | 0.0000 | 81.070 | 0.14889 | 0.00000 | 602892.1 | 472562.2 | 0.0 | S |
| 184.867 | 0.0000 | 0.0000 | 81.070 | 0.14888 | 0.00000 | 602892.1 | 472566.7 | 0.0 | S |
| 184.875 | 0.0000 | 0.0000 | 81.070 | 0.14887 | 0.00000 | 602892.1 | 472571.1 | 0.0 | S |
| 184.883 | 0.0000 | 0.0000 | 81.070 | 0.14887 | 0.00000 | 602892.1 | 472575.6 | 0.0 | S |
| 184.892 | 0.0000 | 0.0000 | 81.070 | 0.14886 | 0.00000 | 602892.1 | 472580.1 | 0.0 | S |
| 184.900 | 0.0000 | 0.0000 | 81.070 | 0.14885 | 0.00000 | 602892.1 | 472584.5 | 0.0 | S |
| 184.908 | 0.0000 | 0.0000 | 81.070 | 0.14884 | 0.00000 | 602892.1 | 472589.0 | 0.0 | S |
| 184.917 | 0.0000 | 0.0000 | 81.070 | 0.14884 | 0.00000 | 602892.1 | 472593.4 | 0.0 | S |
| 184.925 | 0.0000 | 0.0000 | 81.069 | 0.14883 | 0.00000 | 602892.1 | 472597.9 | 0.0 | S |
| 184.933 | 0.0000 | 0.0000 | 81.069 | 0.14882 | 0.00000 | 602892.1 | 472602.4 | 0.0 | S |
| 184.942 | 0.0000 | 0.0000 | 81.069 | 0.14881 | 0.00000 | 602892.1 | 472606.8 | 0.0 | S |
| 184.950 | 0.0000 | 0.0000 | 81.069 | 0.14881 | 0.00000 | 602892.1 | 472611.3 | 0.0 | S |
| 184.958 | 0.0000 | 0.0000 | 81.069 | 0.14880 | 0.00000 | 602892.1 | 472615.8 | 0.0 | S |
| 184.967 | 0.0000 | 0.0000 | 81.069 | 0.14879 | 0.00000 | 602892.1 | 472620.3 | 0.0 | S |
| 184.975 | 0.0000 | 0.0000 | 81.069 | 0.14879 | 0.00000 | 602892.1 | 472624.7 | 0.0 | S |
| 184.983 | 0.0000 | 0.0000 | 81.069 | 0.14878 | 0.00000 | 602892.1 | 472629.2 | 0.0 | S |
| 184.992 | 0.0000 | 0.0000 | 81.069 | 0.14877 | 0.00000 | 602892.1 | 472633.6 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{fl}^{3 / 5}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Vofume ( $\mathrm{ft}^{3}$ ) | Cumulative infittration Volume $\left(\mathrm{ft}^{3}\right)$ | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 185.000 | 0.0000 | 0.0000 | 81.069 | 0.14876 | 0.00000 | 602892.1 | 472638.1 | 0.0 | S |
| 185.008 | 0.0000 | 0.0000 | 81.069 | 0.14876 | 0.00000 | 602892.1 | 472642.6 | 0.0 | S |
| $185.0 \uparrow 7$ | 0.0000 | 0.0000 | 81.069 | 0.14875 | 0.00000 | 602892.1 | 472647.0 | 0.0 | S |
| 185.025 | 0.0000 | 0.0000 | 81.068 | 0.14874 | 0.00000 | 602892.1 | 472651.5 | 0.0 | S |
| 185.033 | 0.0000 | 0.0000 | 81.068 | 0.14874 | 0.00000 | 602892.1 | 472655.9 | 0.0 | S |
| 185.042 | 0.0000 | 0.0000 | 81.068 | 0.14873 | 0.00000 | 602892.1 | 472660.4 | 0.0 | S |
| 185.050 | 0.0000 | 0.0000 | 81.068 | 0.14872 | 0.00000 | 602892.1 | 472664.9 | 0.0 | S |
| 185.058 | 0.0000 | 0.0000 | 81.068 | 0.14871 | 0.00000 | 602892.1 | 472669.3 | 0.0 | S |
| 185.067 | 0.0000 | 0.0000 | 81.068 | 0.14871 | 0.00000 | 602892.1 | 472673.8 | 0.0 | S |
| 185.075 | 0.0000 | 0.0000 | 81.068 | 0.14870 | 0.00000 | 602892.1 | 472678.3 | 0.0 | S |
| 185.083 | 0.0000 | 0.0000 | 81.068 | 0.14869 | 0.00000 | 602892.1 | 472682.7 | 0.0 | S |
| 185.092 | 0.0000 | 0.0000 | 81.068 | 0.14869 | 0.00000 | 602892.1 | 472687.2 | 0.0 | S |
| 185.100 | 0.0000 | 0.0000 | 81.068 | 0.14868 | 0.00000 | 602892.1 | 472691.6 | 0.0 | S |
| 185.108 | 0.0000 | 0.0000 | 81.068 | 0.14867 | 0.00000 | 602892.1 | 472696.1 | 0.0 | S |
| 185.117 | 0.0000 | 0.0000 | 81.068 | 0.14866 | 0.00000 | 602892.1 | 472700.6 | 0.0 | S |
| 185.125 | 0.0000 | 0.0000 | 81.067 | 0.14866 | 0.00000 | 602892.1 | 472705.0 | 0.0 | S |
| 185.133 | 0.0000 | 0.0000 | 81.067 | 0.14865 | 0.00000 | 602892.1 | 472709.5 | 0.0 | S |
| 185.142 | 0.0000 | 0.0000 | 81.067 | 0.14864 | 0.00000 | 602892.1 | 472713.9 | 0.0 | S |
| 185.150 | 0.0000 | 0.0000 | 81.067 | 0.14863 | 0.00000 | 602882.1 | 472718.4 | 0.0 | S |
| 185.158 | 0.0000 | 0.0000 | 81.067 | 0.14863 | 0.00000 | 602892.1 | 472722.8 | 0.0 | S |
| 185.167 | 0.0000 | 0.0000 | 81.067 | 0.14862 | 0.00000 | 602892.1 | 472727.3 | 0.0 | S |
| 185.175 | 0.0000 | 0.0000 | 81.067 | 0.14861 | 0.00000 | 602892.1 | 472731.8 | 0.0 | S |
| 185.183 | 0.0000 | 0.0000 | 81.067 | 0.14861 | 0.00000 | 602892.1 | 472736.2 | 0.0 | S |
| 185.192 | 0.0000 | 0.0000 | 81.067 | 0.14860 | 0.00000 | 602892.1 | 472740.7 | 0.0 | S |
| 185.200 | 0.0000 | 0.0000 | 81.067 | 0.14859 | 0.00000 | 602892.1 | 472745.1 | 0.0 | S |
| 185.208 | 0.0000 | 0.0000 | 81.067 | 0.14858 | 0.00000 | 602892.1 | 472749.6 | 0.0 | S |
| 185.217 | 0.0000 | 0.0000 | 81.066 | 0.14858 | 0.00000 | 602892.1 | 472754.1 | 0.0 | S |
| 185.225 | 0.0000 | 0.0000 | 81.066 | 0.14857 | 0.00000 | 602892.1 | 472758.5 | 0.0 | S |
| 185.233 | 0.0000 | 0.0000 | 81.066 | 0.14856 | 0.00000 | 602892.1 | 472763.0 | 0.0 | S |
| 185.242 | 0.0000 | 0.0000 | 81.066 | 0.14856 | 0.00000 | 602892.1 | 472767.4 | 0.0 | S |
| 185.250 | 0.0000 | 0.0000 | 81.066 | 0.14855 | 0.00000 | 602892.1 | 472771.9 | 0.0 | S |
| 185.258 | 0.0000 | 0.0000 | 81.066 | 0.14854 | 0.00000 | 602892.1 | 472776.3 | 0.0 | S |
| 185.267 | 0.0000 | 0.0000 | 81.066 | 0.14853 | 0.00000 | 602892.1 | 472780.8 | 0.0 | S |
| 185.275 | 0.0000 | 0.0000 | 81.066 | 0.14853 | 0.00000 | 602892.1 | 472785.3 | 0.0 | S |
| 185.283 | 0.0000 | 0.0000 | 81.066 | 0.14852 | 0.00000 | 602892.1 | 472789.7 | 0.0 | S |
| 185.292 | 0.0000 | 0.0000 | 81.066 | 0.14851 | 0.00000 | 602892.1 | 472794.2 | 0.0 | S |
| 185.300 | 0.0000 | 0.0000 | 81.066 | 0.14851 | 0.00000 | 602892.1 | 472798.6 | 0.0 | S |
| 185.308 | 0.0000 | 0.0000 | 81.066 | 0.14850 | 0.00000 | 602892.1 | 472803.1 | 0.0 | S |
| 185.317 | 0.0000 | 0.0000 | 81.065 | 0.14849 | 0.00000 | 602892.1 | 472807.5 | 0.0 | S |
| 185.325 | 0.0000 | 0.0000 | 81.065 | 0.14848 | 0.00000 | 602892.1 | 472812.0 | 0.0 | S |
| 185.333 | 0.0000 | 0.0000 | 81.065 | 0.14848 | 0.00000 | 602892.1 | 472816.4 | 0.0 | S |
| 185.342 | 0.0000 | 0.0000 | 81.065 | 0.14847 | 0.00000 | 602892.1 | 472820.9 | 0.0 | S |
| 185.350 | 0.0000 | 0.0000 | 81.065 | 0.14846 | 0.00000 | 602892.1 | 472825.3 | 0.0 | S |
| 185.358 | 0.0000 | 0.0000 | 81.065 | 0.14846 | 0.00000 | 602892.1 | 472829.8 | 0.0 | S |
| 185.367 | 0.0000 | 0.0000 | 81.065 | 0.14845 | 0.00000 | 602892.1 | 472834.3 | 0.0 | S |
| 185.375 | 0.0000 | 0.0000 | 81.065 | 0.14844 | 0.00000 | 602892.1 | 472838.7 | 0.0 | S |
| 185.383 | 0.0000 | 0.0000 | 81.065 | 0.14843 | 0.00000 | 602892.1 | 472843.2 | 0.0 | S |
| 185.392 | 0.0000 | 0.0000 | 81.065 | 0.14843 | 0.00000 | 602892.1 | 472847.6 | 0.0 | S |
| 185.400 | 0.0000 | 0.0000 | 81.065 | 0.14842 | 0.00000 | 602892.1 | 472852.1 | 0.0 | S |
| 185.408 | 0.0000 | 0.0000 | 81.064 | 0.14841 | 0.00000 | 602892.1 | 472856.5 | 0.0 | S |
| 185.417 | 0.0000 | 0.0000 | 81.064 | 0.14840 | 0.00000 | 602892.1 | 472861.0 | 0.0 | S |
| 185.425 | 0.0000 | 0.0000 | 81.064 | 0.14840 | 0.00000 | 602892.1 | 472865.4 | 0.0 | S |
| 185.433 | 0.0000 | 0.0000 | 81.064 | 0.14839 | 0.00000 | 602892.1 | 472869.9 | 0.0 | S |
| 185.442 | 0.0000 | 0.0000 | 81.064 | 0.14838 | 0.00000 | 602892.1 | 472874.3 | 0.0 | S |
| 185.450 | 0.0000 | 0.0000 | 81.064 | 0.14838 | 0.00000 | 602892.1 | 472878.8 | 0.0 | S |
| 185.458 | 0.0000 | 0.0000 | 81.064 | 0.14837 | 0.00000 | 602892.1 | 472883.2 | 0.0 | S |
| 185.467 | 0.0000 | 0.0000 | 81.064 | 0.14836 | 0.00000 | 602892.1 | 472887.7 | 0.0 | S |
| 185.475 | 0.0000 | 0.0000 | 81.064 | 0.14835 | 0.00000 | 602892.1 | 472892.1 | 0.0 | S |
| 185.483 | 0.0000 | 0.0000 | 81.064 | 0.14835 | 0.00000 | 602892.1 | 472896.6 | 0.0 | S |
| 185.492 | 0.0000 | 0.0000 | 81.064 | 0.14834 | 0.00000 | 602892.1 | 472901.0 | 0.0 | S |
| 185.500 | 0.0000 | 0.0000 | 81.064 | 0.14833 | 0.00000 | 602892.1 | 472905.5 | 0.0 | S |
| 185.508 | 0.0000 | 0.0000 | 81.063 | 0.14833 | 0.00000 | 602892.1 | 472909.9 | 0.0 | S |
| 185.517 | 0.0000 | 0.0000 | 81.063 | 0.14832 | 0.00000 | 602892.1 | 472914.4 | 0.0 | S |
| 185.525 | 0.0000 | 0.0000 | 81.063 | 0.14831 | 0.00000 | 602892.1 | 472938.8 | 0.0 | S |
| 185.533 | 0.0000 | 0.0000 | 81.063 | 0.14830 | 0.00000 | 602892.1 | 472923.3 | 0.0 | S |
| 185.542 | 0.0000 | 0.0000 | 81.063 | 0.14830 | 0.00000 | 602892.1 | 472927.7 | 0.0 | S |
| 185.550 | 0.0000 | 0.0000 | 81.063 | 0.14829 | 0.00000 | 602892.1 | 472932.2 | 0.0 | S |
| 185.558 | 0.0000 | 0.0000 | 81.063 | 0.14828 | 0.00000 | 602892.1 | 472936.6 | 0.0 | S |
| 185.567 | 0.0000 | 0.0000 | 81.063 | 0.14828 | 0.00000 | 602892.1 | 472941.1 | 0.0 | S |
| 185.575 | 0.0000 | 0.0000 | 81.063 | 0.14827 | 0.00000 | 602892.1 | 472945.5 | 0.0 | S |
| 185.583 | 0.0000 | 0.0000 | 81.063 | 0.14826 | 0.00000 | 602892.1 | 472950.0 | 0.0 | S |
| 185.592 | 0.0000 | 0.0000 | 81.063 | 0.14825 | 0.00000 | 602892.1 | 472954.4 | 0.0 | S |
| 185.600 | 0.0000 | 0.0000 | 81.063 | 0.14825 | 0.00000 | 602892.1 | 472958.9 | 0.0 | S |
| 185.608 | 0.0000 | 0.0000 | 81.062 | 0.14824 | 0.00000 | 602892.1 | 472963.3 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Infiow Rate ( $\mathrm{ft}^{3 / 3}$ ) | Outside Recharge (f/day) | Stage Elevation (fl datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge $\left(H^{3} / \mathrm{s}\right)$ | Cumulative inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumufative Discharge Volume ( $\left(\mathrm{t}^{3}\right)$ | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 185.617 | 0.0000 | 0.0000 | 81.062 | 0.14823 | 0.00000 | 602892.1 | 472967.8 | 0.0 | S |
| 185.625 | 0.0000 | 0.0000 | 81.062 | 0.14823 | 0.00000 | 602892.1 | 472972.2 | 0.0 | S |
| 185.633 | 0.0000 | 0.0000 | 81.062 | 0.14822 | 0.00000 | 602892.1 | 472976.7 | 0.0 | S |
| 185.642 | 0.0000 | 0.0000 | 81.062 | 0.14821 | 0.00000 | 602892.1 | 472981.1 | 0.0 | S |
| 185.650 | 0.0000 | 0.0000 | 81.062 | 0.14820 | 0.00000 | 602892.1 | 472985.5 | 0.0 | S |
| 185.658 | 0.0000 | 0.0000 | 81.062 | 0.14820 | 0.00000 | 602892.1 | 472990.0 | 0.0 | S |
| 185.667 | 0.0000 | 0.0000 | 81.062 | 0.14819 | 0.00000 | 602892.1 | 472994.4 | 0.0 | S |
| 185.675 | 0.0000 | 0.0000 | 81.062 | 0.14818 | 0.00000 | 602892.1 | 472998.9 | 0.0 | S |
| 185.683 | 0.0000 | 0.0000 | 81.062 | 0.14818 | 0.00000 | 602892.1 | 473003.3 | 0.0 | S |
| 185.692 | 0.0000 | 0.0000 | 81.062 | 0.14817 | 0.00000 | 602892.1 | 473007.8 | 0.0 | S |
| 185.700 | 0.0000 | 0.0000 | 81.061 | 0.14816 | 0.00000 | 602892.1 | 473012.2 | 0.0 | S |
| 185.708 | 0.0000 | 0.0000 | 81.061 | 0.14815 | 0.00000 | 602892.1 | 473016.7 | 0.0 | S |
| 185.717 | 0.0000 | 0.0000 | 81.061 | 0.14815 | 0.00000 | 602892.1 | 473021.1 | 0.0 | S |
| 185.725 | 0.0000 | 0.0000 | 81.061 | 0.14814 | 0.00000 | 602892.1 | 473025.6 | 0.0 | S |
| 185.733 | 0.0000 | 0.0000 | 81.061 | 0.14813 | 0.00000 | 602892.1 | 473030.0 | 0.0 | S |
| 185.742 | 0.0000 | 0.0000 | 81.061 | 0.14813 | 0.00000 | 602892.1 | 473034.4 | 0.0 | S |
| 185.750 | 0.0000 | 0.0000 | 81.061 | 0.74812 | 0.00000 | 602892.1 | 473038.9 | 0.0 | S |
| 185.758 | 0.0000 | 0.0000 | 81.061 | 0.14811 | 0.00000 | 602892.1 | 473043.3 | 0.0 | S |
| 185.767 | 0.0000 | 0.0000 | 81.061 | 0.14810 | 0.00000 | 602892.1 | 473047.8 | 0.0 | S |
| 185.775 | 0.0000 | 0.0000 | 81.061 | 0.14810 | 0.00000 | 602892.1 | 473052.2 | 0.0 | S |
| 185.783 | 0.0000 | 0.0000 | 81.061 | 0.14809 | 0.00000 | 602892.1 | 473056.7 | 0.0 | S |
| 185.792 | 0.0000 | 0.0000 | 81.061 | 0.14808 | 0.00000 | 602892.1 | 473061.1 | 0.0 | S |
| 185.800 | 0.0000 | 0.0000 | 81.060 | 0.14808 | 0.00000 | 602892.1 | 473065.5 | 0.0 | S |
| 185.808 | 0.0000 | 0.0000 | 81.060 | 0.14807 | 0.00000 | 602892.1 | 473070.0 | 0.0 | S |
| 185.817 | 0.0000 | 0.0000 | 81.060 | 0.14806 | 0.00000 | 602892.1 | 473074.4 | 0.0 | S |
| 185.825 | 0.0000 | 0.0000 | 81.060 | 0.14805 | 0.00000 | 602892.1 | 473078.9 | 0.0 | S |
| 185.833 | 0.0000 | 0.0000 | 81.060 | 0.14805 | 0.00000 | 602892.1 | 473083.3 | 0.0 | S |
| 185.842 | 0.0000 | 0.0000 | 81.060 | 0.14804 | 0.00000 | 602892.1 | 473087.8 | 0.0 | S |
| 185.850 | 0.0000 | 0.0000 | 81.060 | 0.14803 | 0.00000 | 602892.1 | 473092.2 | 0.0 | S |
| 185.858 | 0.0000 | 0.0000 | 81.060 | 0.14803 | 0.00000 | 602892.1 | 473096.6 | 0.0 | S |
| 185.867 | 0.0000 | 0.0000 | 81.060 | 0.14802 | 0.00000 | 602892.1 | 473101.1 | 0.0 | S |
| 185.875 | 0.0000 | 0.0000 | 81.060 | 0.14801 | 0.00000 | 602892.1 | 473105.5 | 0.0 | S |
| 185.883 | 0.0000 | 0.0000 | 81.060 | 0.14800 | 0.00000 | 602892.1 | 473109.9 | 0.0 | S |
| 185.892 | 0.0000 | 0.0000 | 81.059 | 0.14800 | 0.00000 | 602892.1 | 473114.4 | 0.0 | S |
| 185.900 | 0.0000 | 0.0000 | 81.059 | 0.14799 | 0.00000 | 602892.1 | 473118.8 | 0.0 | S |
| 185.908 | 0.0000 | 0.0000 | 81.059 | 0.14798 | 0.00000 | 602892.1 | 473123.3 | 0.0 | S |
| 185.917 | 0.0000 | 0.0000 | 81.059 | 0.14798 | 0.00000 | 602892.1 | 473127.7 | 0.0 | S |
| 185.925 | 0.0000 | 0.0000 | 81.059 | 0.14797 | 0.00000 | 602892.1 | 473132.2 | 0.0 | S |
| 185.933 | 0.0000 | 0.0000 | 81.059 | 0.14796 | 0.00000 | 602892.1 | 473136.6 | 0.0 | S |
| 185.942 | 0.0000 | 0.0000 | 81.059 | 0.14795 | 0.00000 | 602892.1 | 473141.0 | 0.0 | S |
| 185.950 | 0.0000 | 0.0000 | 81.059 | 0.14795 | 0.00000 | 602892.1 | 473145.5 | 0.0 | S |
| 185.958 | 0.0000 | 0.0000 | 81.059 | 0.14794 | 0.00000 | 602892.1 | 473149.9 | 0.0 | S |
| 185.967 | 0.0000 | 0.0000 | 81.059 | 0.14793 | 0.00000 | 602892.1 | 473154.3 | 0.0 | S |
| 185.975 | 0.0000 | 0.0000 | 81.059 | 0.14793 | 0.00000 | 602892.1 | 473158.8 | 0.0 | S |
| 185.983 | 0.0000 | 0.0000 | 81.059 | 0.14792 | 0.00000 | 602892.1 | 473163.2 | 0.0 | S |
| 185.992 | 0.0000 | 0.0000 | 81.058 | 0.14791 | 0.00000 | 602892.1 | 473167.7 | 0.0 | S |
| 186.000 | 0.0000 | 0.0000 | 81.058 | 0.14790 | 0.00000 | 602892.1 | 473172.1 | 0.0 | S |
| 186.008 | 0.0000 | 0.0000 | 81.058 | 0.14790 | 0.00000 | 602892.1 | 473176.5 | 0.0 | S |
| 186.017 | 0.0000 | 0.0000 | 81.058 | 0.14789 | 0.00000 | 602892.1 | 473181.0 | 0.0 | S |
| 186.025 | 0.0000 | 0.0000 | 81.058 | 0.14788 | 0.00000 | 602892.1 | 473185.4 | 0.0 | S |
| 186.033 | 0.0000 | 0.0000 | 81.058 | 0.14788 | 0.00000 | 602892.1 | 473189.8 | 0.0 | S |
| 186.042 | 0.0000 | 0.0000 | 81.058 | 0.14787 | 0.00000 | 602892.1 | 473194.3 | 0.0 | S |
| 186.050 | 0.0000 | 0.0000 | 81.058 | 0.14786 | 0.00000 | 602892.1 | 473198.7 | 0.0 | S |
| 186.058 | 0.0000 | 0.0000 | 81.058 | 0.14785 | 0.00000 | 602892.1 | 473203.2 | 0.0 | S |
| 186.067 | 0.0000 | 0.0000 | 81.058 | 0.14785 | 0.00000 | 602892.1 | 473207.6 | 0.0 | S |
| 186.075 | 0.0000 | 0.0000 | 81.058 | 0.14784 | 0.00000 | 602892.1 | 473212.0 | 0.0 | S |
| 186.083 | 0.0000 | 0.0000 | 81.058 | 0.14783 | 0.00000 | 602892.1 | 473216.4 | 0.0 | S |
| 186.092 | 0.0000 | 0.0000 | 81.057 | 0.14783 | 0.00000 | 602892.1 | 473220.9 | 0.0 | S |
| 186.100 | 0.0000 | 0.0000 | 81.057 | 0.14782 | 0.00000 | 602892.1 | 473225.3 | 0.0 | S |
| 186.108 | 0.0000 | 0.0000 | 81.057 | 0.14781 | 0.00000 | 602892.1 | 473229.8 | 0.0 | S |
| 186.117 | 0.0000 | 0.0000 | 81.057 | 0.14780 | 0.00000 | 602892.1 | 473234.2 | 0.0 | S |
| 186.125 | 0.0000 | 0.0000 | 81.057 | 0.14780 | 0.00000 | 602892.1 | 473238.6 | 0.0 | S |
| 186.133 | 0.0000 | 0.0000 | 81.057 | 0.14779 | 0.00000 | 602892.1 | 473243.1 | 0.0 | S |
| 186.142 | 0.0000 | 0.0000 | 81.057 | 0.14778 | 0.00000 | 602892.1 | 473247.5 | 0.0 | S |
| 186.150 | 0.0000 | 0.0000 | 81.057 | 0.14778 | 0.00000 | 602892.1 | 473251.9 | 0.0 | S |
| 186.158 | 0.0000 | 0.0000 | 81.057 | 0.14777 | 0.00000 | 602892.1 | 473256.3 | 0.0 | S |
| 186.167 | 0.0000 | 0.0000 | 81.057 | 0.14776 | 0.00000 | 602892.1 | 473260.8 | 0.0 | S |
| 186.175 | 0.0000 | 0.0000 | 81.057 | 0.14775 | 0.00000 | 602892.1 | 473265.2 | 0.0 | S |
| 186.183 | 0.0000 | 0.0000 | 81.056 | 0.14775 | 0.00000 | 602892.1 | 473269.7 | 0.0 | S |
| 186.192 | 0.0000 | 0.0000 | 81.056 | 0.14774 | 0.00000 | 602892.1 | 473274.1 | 0.0 | S |
| 186.200 | 0.0000 | 0.0000 | 81.056 | 0.14773 | 0.00000 | 602892.1 | 473278.5 | 0.0 | S |
| 186.208 | 0.0000 | 0.0000 | 81.056 | 0.14773 | 0.00000 | 602892.1 | 473282.9 | 0.0 | S |
| 186.217 | 0.0000 | 0.0000 | 81.056 | 0.14772 | 0.00000 | 602892.1 | 473287.4 | 0.0 | S |
| 186.225 | 0.0000 | 0.0000 | 81.056 | 0.14771 | 0.00000 | 602892.1 | 473291.8 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year/24 hour routing with pond 10 overflow

| Elapsed Time (hours) | inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (fidday) | Stage Elevation (ft datum) | infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume $\left(\mathrm{H}^{3}\right)$ | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 186.233 | 0.0000 | 0.0000 | 81.056 | 0.14771 | 0.00000 | 602892.1 | 473296.3 | 0.0 | S |
| 186.242 | 0.0000 | 0.0000 | 81.056 | 0.14770 | 0.00000 | 602892.1 | 473300.7 | 0.0 | S |
| 186.250 | 0.0000 | 0.0000 | 81.056 | 0.14769 | 0.00000 | 602892.1 | 473305.1 | 0.0 | S |
| 186.258 | 0.0000 | 0.0000 | 81.056 | 0.14768 | 0.00000 | 602892.1 | 473309.5 | 0.0 | S |
| 186.267 | 0.0000 | 0.0000 | 81.056 | 0.14768 | 0.00000 | 602892.1 | 473314.0 | 0.0 | S |
| 186.275 | 0.0000 | 0.0000 | 81.056 | 0.14767 | 0.00000 | 602892.1 | 473318.4 | 0.0 | S |
| 186.283 | 0.0000 | 0.0000 | 81.055 | 0.14766 | 0.00000 | 602892.1 | 473322.8 | 0.0 | S |
| 186.292 | 0.0000 | 0.0000 | 81.055 | 0.14766 | 0.00000 | 602892.1 | 473327.3 | 0.0 | S |
| 186.300 | 0.0000 | 0.0000 | 81.055 | 0.14765 | 0.00000 | 602892.1 | 473331.7 | 0.0 | S |
| 186.308 | 0.0000 | 0.0000 | 81.055 | 0.14764 | 0.00000 | 602892.1 | 473336.1 | 0.0 | S |
| 186.317 | 0.0000 | 0.0000 | 81.055 | 0.14763 | 0.00000 | 602892.1 | 473340.6 | 0.0 | S |
| 186.325 | 0.0000 | 0.0000 | 81.055 | 0.14763 | 0.00000 | 602892.1 | 473345.0 | 0.0 | S |
| 186.333 | 0.0000 | 0.0000 | 81.055 | 0.14762 | 0.00000 | 602892.1 | 473349.4 | 0.0 | S |
| 186.342 | 0.0000 | 0.0000 | 81.055 | 0.14761 | 0.00000 | 602892.1 | 473353.8 | 0.0 | S |
| 186.350 | 0.0000 | 0.0000 | 81.055 | 0.14761 | 0.00000 | 602892.1 | 473358.3 | 0.0 | S |
| 186.358 | 0.0000 | 0.0000 | 81.055 | 0.14760 | 0.00000 | 602892.1 | 473362.7 | 0.0 | S |
| 186.367 | 0.0000 | 0.0000 | 81.055 | 0.14759 | 0.00000 | 602892.1 | 473367.1 | 0.0 | S |
| 186.375 | 0.0000 | 0.0000 | 81.055 | 0.14758 | 0.00000 | 602892.1 | 473371.5 | 0.0 | S |
| 186.383 | 0.0000 | 0.0000 | 81.054 | 0.14758 | 0.00000 | 602892.1 | 473376.0 | 0.0 | S |
| 186.392 | 0.0000 | 0.0000 | 81.054 | 0.14757 | 0.00000 | 602892.4 | 473380.4 | 0.0 | S |
| 186.400 | 0.0000 | 0.0000 | 81.054 | 0.14756 | 0.00000 | 602892.1 | 473384.8 | 0.0 | S |
| 186.408 | 0.0000 | 0.0000 | 81.054 | 0.14756 | 0.00000 | 602892.1 | 473389.3 | 0.0 | S |
| 186.417 | 0.0000 | 0.0000 | 81.054 | 0.14755 | 0.00000 | 602892.1 | 473393.7 | 0.0 | S |
| 186.425 | 0.0000 | 0.0000 | 81.054 | 0.14754 | 0.00000 | 602892.1 | 473398.1 | 0.0 | S |
| 186.433 | 0.0000 | 0.0000 | 81.054 | 0.14753 | 0.00000 | 602892.1 | 473402.5 | 0.0 | S |
| 186.442 | 0.0000 | 0.0000 | 81.054 | 0.14753 | 0.00000 | 602892.1 | 473407.0 | 0.0 | S |
| 186.450 | 0.0000 | 0.0000 | 81.054 | 0.14752 | 0.00000 | 602892.1 | 473411.4 | 0.0 | S |
| 186.458 | 0.0000 | 0.0000 | 81.054 | 0.14751 | 0.00000 | 602892.1 | 473415.8 | 0.0 | S |
| 186.467 | 0.0000 | 0.0000 | 81.054 | 0.14751 | 0.00000 | 602892.1 | 473420.3 | 0.0 | S |
| 186.475 | 0.0000 | 0.0000 | 81.053 | 0.14750 | 0.00000 | 602892.1 | 473424.7 | 0.0 | S |
| 186.483 | 0.0000 | 0.0000 | 81.053 | 0.14749 | 0.00000 | 602892.1 | 473429.1 | 0.0 | S |
| 186.492 | 0.0000 | 0.0000 | 81.053 | 0.14748 | 0.00000 | 602892.1 | 473433.5 | 0.0 | S |
| 186.500 | 0.0000 | 0.0000 | 81.053 | 0.14748 | 0.00000 | 602892.1 | 473437.9 | 0.0 | S |
| 186.508 | 0.0000 | 0.0000 | 81.053 | 0.14747 | 0.00000 | 602892.1 | 473442.3 | 0.0 | S |
| 186.517 | 0.0000 | 0.0000 | 81.053 | 0.14746 | 0.00000 | 602892.1 | 473446.8 | 0.0 | S |
| 186.525 | 0.0000 | 0.0000 | 81.053 | 0.14746 | 0.00000 | 602892.1 | 473451.2 | 0.0 | S |
| 186.533 | 0.0000 | 0.0000 | 81.053 | 0.14745 | 0.00000 | 602892.1 | 473455.6 | 0.0 | S |
| 186.542 | 0.0000 | 0.0000 | 81.053 | 0.14744 | 0.00000 | 602892.1 | 473460.1 | 0.0 | S |
| 186.550 | 0.0000 | 0.0000 | 81.053 | 0.14744 | 0.00000 | 602892.1 | 473464.5 | 0.0 | S |
| 186.558 | 0.0000 | 0.0000 | 81.053 | 0.14743 | 0.00000 | 602892.1 | 473468.9 | 0.0 | S |
| 186.567 | 0.0000 | 0.0000 | 81.053 | 0.14742 | 0.00000 | 602892.1 | 473473.3 | 0.0 | S |
| 186.575 | 0.0000 | 0.0000 | 81.052 | 0.14741 | 0.00000 | 602892.1 | 473477.8 | 0.0 | S |
| 186.583 | 0.0000 | 0.0000 | 81.052 | 0.14741 | 0.00000 | 602892.1 | 473482.2 | 0.0 | S |
| 186.592 | 0.0000 | 0.0000 | 81.052 | 0.14740 | 0.00000 | 602892.1 | 473486.6 | 0.0 | S |
| 186.600 | 0.0000 | 0.0000 | 81.052 | 0.14739 | 0.00000 | 602892.1 | 473491.0 | 0.0 | S |
| 186.608 | 0.0000 | 0.0000 | 81.052 | 0.14739 | 0.00000 | 602892.1 | 473495.4 | 0.0 | S |
| 186.617 | 0.0000 | 0.0000 | 81.052 | 0.14738 | 0.00000 | 602892.1 | 473499.8 | 0.0 | S |
| 186.625 | 0.0000 | 0.0000 | 81.052 | 0.14737 | 0.00000 | 602892.1 | 473504.3 | 0.0 | S |
| 186.633 | 0.0000 | 0.0000 | 81.052 | 0.14736 | 0.00000 | 602892.1 | 473508.7 | 0.0 | S |
| 186.642 | 0.0000 | 0.0000 | 81.052 | 0.14736 | 0.00000 | 602892.1 | 473513.1 | 0.0 | S |
| 186.650 | 0.0000 | 0.0000 | 81.052 | 0.14735 | 0.00000 | 602892.1 | 473517.5 | 0.0 | S |
| \$86.658 | 0.0000 | 0.0000 | 81.052 | 0.14734 | 0.00000 | 602892.1 | 473522.0 | 0.0 | S |
| 186.667 | 0.0000 | 0.0000 | 81.052 | 0.14734 | 0.00000 | 602892.1 | 473526.4 | 0.0 | S |
| 186.675 | 0.0000 | 0.0000 | 81.051 | 0.14733 | 0.00000 | 602892.1 | 473530.8 | 0.0 | S |
| 186.683 | 0.0000 | 0.0000 | 81.051 | 0.14732 | 0.00000 | 602892.1 | 473535.2 | 0.0 | S |
| 186.692 | 0.0000 | 0.0000 | 81.051 | 0.14731 | 0.00000 | 602892.1 | 473539.6 | 0.0 | S |
| 186.700 | 0.0000 | 0.0000 | 81.051 | 0.14731 | 0.00000 | 602892.1 | 473544.1 | 0.0 | S |
| 186.708 | 0.0000 | 0.0000 | 81.051 | 0.14730 | 0.00000 | 602892.1 | 473548.5 | 0.0 | S |
| 186.717 | 0.0000 | 0.0000 | 81.051 | 0.14729 | 0.00000 | 602892.1 | 473552.9 | 0.0 | S |
| 186.725 | 0.0000 | 0.0000 | 81.051 | 0.14729 | 0.00000 | 602892.1 | 473557.3 | 0.0 | S |
| 186.733 | 0.0000 | 0.0000 | 81.051 | 0.14728 | 0.00000 | 602892.1 | 473561.7 | 0.0 | S |
| 186.742 | 0.0000 | 0.0000 | 81.051 | 0.14727 | 0.00000 | 602892.1 | 473566.2 | 0.0 | S |
| 186.750 | 0.0000 | 0.0000 | 81.051 | 0.14727 | 0.00000 | 602892.1 | 473570.6 | 0.0 | S |
| 186.758 | 0.0000 | 0.0000 | 81.051 | 0.14726 | 0.00000 | 602892.1 | 473575.0 | 0.0 | S |
| 186.767 | 0.0000 | 0.0000 | 81.050 | 0.14725 | 0.00000 | 602892.1 | 473579.4 | 0.0 | S |
| 186.775 | 0.0000 | 0.0000 | 81.050 | 0.14724 | 0.00000 | 602892.1 | 473583.8 | 0.0 | S |
| 186.783 | 0.0000 | 0.0000 | 81.050 | 0.14724 | 0.00000 | 602892.1 | 473588.3 | 0.0 | S |
| 186.792 | 0.0000 | 0.0000 | 81.050 | 0.14723 | 0.00000 | 602892.1 | 473592.7 | 0.0 | S |
| 186.800 | 0.0000 | 0.0000 | 81.050 | 0.14722 | 0.00000 | 602892.1 | 473597.1 | 0.0 | S |
| 186.808 | 0.0000 | 0.0000 | 81.050 | 0.14722 | 0.00000 | 602892.1 | 473601.5 | 0.0 | S |
| 186.817 | 0.0000 | 0.0000 | 81.050 | 0.14721 | 0.00000 | 602892.1 | 473605.9 | 0.0 | S |
| 186.825 | 0.0000 | 0.0000 | 81.050 | 0.14720 | 0.00000 | 602892.1 | 473610.3 | 0.0 | S |
| 186,833 | 0.0000 | 0.0000 | 81.050 | 0.14719 | 0.00000 | 602892.1 | 473614.8 | 0.0 | S |
| 186.842 | 0.0000 | 0.0000 | 81.050 | 0.14719 | 0.00000 | 602892.1 | 473619.2 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario $1::$ pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{n}^{3} / \mathrm{s}$ ) | Outside Recharge (fvday) | Stage Elevation (ft datum) | Infitration Rate ( $\mathrm{H}^{3 / 5}$ ) | Overlow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{H}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{H}^{3}$ ) | $\begin{aligned} & \text { Flow } \\ & \text { Type } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 186.850 | 0.0000 | 0.0000 | 81.050 | 0.14718 | 0.00000 | 602892.1 | 473623.6 | 0.0 | S |
| 186.858 | 0.0000 | 0.0000 | 81.050 | 0.14717 | 0.00000 | 602892.1 | 473628.0 | 0.0 | S |
| 186.867 | 0.0000 | 0.0000 | 81.049 | 0.14717 | 0.00000 | 602892.1 | 473632.4 | 0.0 | S |
| 186.875 | 0.0000 | 0.0000 | 81.049 | 0.14716 | 0.00000 | 602892.1 | 473636.8 | 0.0 | S |
| 186.883 | 0.0000 | 0.0000 | 81.049 | 0.14715 | 0.00000 | 602892.1 | 473641.2 | 0.0 | S |
| 186.892 | 0.0000 | 0.0000 | 81.049 | 0.14715 | 0.00000 | 602892.1 | 473645.7 | 0.0 | S |
| 186.900 | 0.0000 | 0.0000 | 81.049 | 0.14714 | 0.00000 | 602892.1 | 473650.1 | 0.0 | S |
| 186.908 | 0.0000 | 0.0000 | 81.049 | 0.14713 | 0.00000 | 602892.1 | 473654.5 | 0.0 | S |
| 186.917 | 0.0000 | 0.0000 | 81.049 | 0.14712 | 0.00000 | 602892.1 | 473658.9 | 0.0 | S |
| 186.925 | 0.0000 | 0.0000 | 81.049 | 0.14712 | 0.00000 | 602892.1 | 473663.3 | 0.0 | S |
| 186.933 | 0.0000 | 0.0000 | 81.049 | 0.14711 | 0.00000 | 602892.1 | 473667.7 | 0.0 | S |
| 186.942 | 0.0000 | 0.0000 | 81.049 | 0.14710 | 0.00000 | 602892.1 | 473672.1 | 0.0 | S |
| 186.950 | 0.0000 | 0.0000 | 81.049 | 0.14710 | 0.00000 | 602892.1 | 473676.5 | 0.0 | S |
| 186.958 | 0.0000 | 0.0000 | 81.049 | 0.14709 | 0.00000 | 602892.1 | 473680.9 | 0.0 | S |
| 186.967 | 0.0000 | 0.0000 | 81.048 | 0.14708 | 0.00000 | 602892.1 | 473685.4 | 0.0 | S |
| 186.975 | 0.0000 | 0.0000 | 81.048 | 0.14707 | 0.00000 | 602892.1 | 473689.8 | 0.0 | S |
| 186.983 | 0.0000 | 0.0000 | 81.048 | 0.14707 | 0.00000 | 602892.1 | 473694.2 | 0.0 | S |
| 186.992 | 0.0000 | 0.0000 | 81.048 | 0.14706 | 0.00000 | 602892.1 | 473698.6 | 0.0 | S |
| 187.000 | 0.0000 | 0.0000 | 81.048 | 0.14705 | 0.00000 | 602892.1 | 473703.0 | 0.0 | S |
| 187.008 | 0.0000 | 0.0000 | 81.048 | 0.14705 | 0.00000 | 602892.1 | 473707.4 | 0.0 | S |
| 187.017 | 0.0000 | 0.0000 | 81.048 | 0.14704 | 0.00000 | 602892.1 | 473711.8 | 0.0 | S |
| 187.025 | 0.0000 | 0.0000 | 81.048 | 0.14703 | 0.00000 | 602892.1 | 473716.3 | 0.0 | S |
| 187.033 | 0.0000 | 0.0000 | 81.048 | 0.14703 | 0.00000 | 602892.1 | 473720.7 | 0.0 | S |
| 187.042 | 0.0000 | 0.0000 | 81.048 | 0.14702 | 0.00000 | 602892.1 | 473725.1 | 0.0 | S |
| 187.050 | 0.0000 | 0.0000 | 81.048 | 0.14701 | 0.00000 | 602892.1 | 473729.5 | 0.0 | S |
| 187.058 | 0.0000 | 0.0000 | 81.047 | 0.14700 | 0.00000 | 602892.1 | 473733.9 | 0.0 | S |
| 187.067 | 0.0000 | 0.0000 | 81.047 | 0.14700 | 0.00000 | 602892.1 | 473738.3 | 0.0 | S |
| 187.075 | 0.0000 | 0.0000 | 81.047 | 0.14699 | 0.00000 | 602892.4 | 473742.7 | 0.0 | S |
| 187.083 | 0.0000 | 0.0000 | 81.047 | 0.14698 | 0.00000 | 602892.1 | 473747.1 | 0.0 | S |
| 187.092 | 0.0000 | 0.0000 | 81.047 | 0.14698 | 0.00000 | 602892.1 | 473751.5 | 0.0 | S |
| 187.100 | 0.0000 | 0.0000 | 81.047 | 0.14697 | 0.00000 | 602892.1 | 473755.9 | 0.0 | S |
| 187.108 | 0.0000 | 0.0000 | 81.047 | 0.14696 | 0.00000 | 602892.1 | 473760.3 | 0.0 | S |
| 187.117 | 0.0000 | 0.0000 | 81.047 | 0.14695 | 0.00000 | 602892.1 | 473764.8 | 0.0 | S |
| 187.125 | 0.0000 | 0.0000 | 81.047 | 0.14695 | 0.00000 | 602892.1 | 473769.2 | 0.0 | S |
| 187.133 | 0.0000 | 0.0000 | 81.047 | 0.14694 | 0.00000 | 602892.1 | 473773.6 | 0.0 | S |
| 187.142 | 0.0000 | 0.0000 | 81.047 | 0.14693 | 0.00000 | 602892.1 | 473778.0 | 0.0 | S |
| 187.150 | 0.0000 | 0.0000 | 81.047 | 0.14693 | 0.00000 | 602892.1 | 473782.4 | 0.0 | S |
| 187.158 | 0.0000 | 0.0000 | 81.046 | 0.14692 | 0.00000 | 602892.1 | 473786.8 | 0.0 | S |
| 187.167 | 0.0000 | 0.0000 | 81.046 | 0.14691 | 0.00000 | 602892.1 | 473791.2 | 0.0 | S |
| 187.175 | 0.0000 | 0.0000 | 81.046 | 0.14691 | 0.00000 | 602892.1 | 473795.6 | 0.0 | S |
| 187.183 | 0.0000 | 0.0000 | 81.046 | 0.14690 | 0.00000 | 602892.1 | 473800.0 | 0.0 | S |
| 187.192 | 0.0000 | 0.0000 | 81.046 | 0.14689 | 0.00000 | 602892.1 | 473804.4 | 0.0 | S |
| 187.200 | 0.0000 | 0.0000 | 81.046 | 0.14688 | 0.00000 | 602892.1 | 473808.8 | 0.0 | S |
| 187.208 | 0.0000 | 0.0000 | 81.046 | 0.14688 | 0.00000 | 602892.1 | 473813.3 | 0.0 | S |
| 187.217 | 0.0000 | 0.0000 | 81.046 | 0.14687 | 0.00000 | 602892.1 | 473817.7 | 0.0 | S |
| 187.225 | 0.0000 | 0.0000 | 81.046 | 0.14686 | 0.00000 | 602892.1 | 473822.1 | 0.0 | S |
| 187.233 | 0.0000 | 0.0000 | 81.046 | 0.14686 | 0.00000 | 602892.1 | 473826.5 | 0.0 | S |
| 187.242 | 0.0000 | 0.0000 | 81.046 | 0.14685 | 0.00000 | 602892.1 | 473830.8 | 0.0 | S |
| 187.250 | 0.0000 | 0.0000 | 81.046 | 0.14684 | 0.00000 | 602892.1 | 473835.3 | 0.0 | S |
| 187.258 | 0.0000 | 0.0000 | 81.045 | 0.14683 | 0.00000 | 602892.1 | 473839.7 | 0.0 | S |
| 187.267 | 0.0000 | 0.0000 | 81.045 | 0.14683 | 0.00000 | 602892.1 | 473844.1 | 0.0 | S |
| 187.275 | 0.0000 | 0.0000 | 81.045 | 0.14682 | 0.00000 | 602892.1 | 473848.5 | 0.0 | S |
| 187.283 | 0.0000 | 0.0000 | 81.045 | 0.14681 | 0.00000 | 602892.1 | 473852.9 | 0.0 | S |
| 187.292 | 0.0000 | 0.0000 | 81.045 | 0.14681 | 0.00000 | 602892.1 | 473857.3 | 0.0 | S |
| 187.300 | 0.0000 | 0.0000 | 81.045 | 0.14680 | 0.00000 | 602892.1 | 473861.7 | 0.0 | S |
| 187.308 | 0.0000 | 0.0000 | 81.045 | 0.14679 | 0.00000 | 602892.1 | 473866.1 | 0.0 | S |
| 187.317 | 0.0000 | 0.0000 | 81.045 | 0.14679 | 0.00000 | 602892.1 | 473870.5 | 0.0 | S |
| 187.325 | 0.0000 | 0.0000 | 81.045 | 0.14678 | 0.00000 | 602892.1 | 473874.9 | 0.0 | S |
| 187.333 | 0.0000 | 0.0000 | 81.045 | 0.14677 | 0.00000 | 602892.1 | 473879.3 | 0.0 | S |
| 187.342 | 0.0000 | 0.0000 | 81.045 | 0.14676 | 0.00000 | 602892.1 | 473883.7 | 0.0 | S |
| 187.350 | 0.0000 | 0.0000 | 81.044 | 0.14676 | 0.00000 | 602892.1 | 473888.1 | 0.0 | S |
| 187.358 | 0.0000 | 0.0000 | 81.044 | 0.14675 | 0.00000 | 602892.1 | 473892.5 | 0.0 | S |
| 187.367 | 0.0000 | 0.0000 | 81.044 | 0.14674 | 0.00000 | 602892.1 | 473896.9 | 0.0 | S |
| 187.375 | 0.0000 | 0.0000 | 81.044 | 0.14674 | 0.00000 | 602892.1 | 473901.3 | 0.0 | S |
| 187.383 | 0.0000 | 0.0000 | 81.044 | 0.14673 | 0.00000 | 602892.1 | 473905.7 | 0.0 | S |
| 187.392 | 0.0000 | 0.0000 | 81.044 | 0.14672 | 0.00000 | 602892.1 | 473910.1 | 0.0 | S |
| 187.400 | 0.0000 | 0.0000 | 81.044 | 0.14672 | 0.00000 | 602892.1 | 473914.5 | 0.0 | S |
| 187.408 | 0.0000 | 0.0000 | 81.044 | 0.14671 | 0.00000 | 602892.1 | 473918.9 | 0.0 | S |
| 187.417 | 0.0000 | 0.0000 | 81.044 | 0.14670 | 0.00000 | 602892.1 | 473923.3 | 0.0 | S |
| 187.425 | 0.0000 | 0.0000 | 81.044 | 0.14669 | 0.00000 | 602892.1 | 473927.7 | 0.0 | S |
| 187.433 | 0.0000 | 0.0000 | 81.044 | 0.14669 | 0.00000 | 602892.1 | 473932.1 | 0.0 | S |
| 187.442 | 0.0000 | 0.0000 | 81.044 | 0.14668 | 0.00000 | 602892.1 | 473936.5 | 0.0 | S |
| 187.450 | 0.0000 | 0.0000 | 81.043 | 0.14667 | 0.00000 | 602892.1 | 473940.9 | 0.0 | S |
| 187.458 | 0.0000 | 0.0000 | 81.043 | 0.14667 | 0.00000 | 602892.1 | 473945.3 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{3 / \mathrm{s}}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 187.467 | 0.0000 | 0.0000 | 81.043 | 0.14666 | 0.00000 | 602892.1 | 473949.7 | 0.0 | S |
| 187.475 | 0.0000 | 0.0000 | 81.043 | 0.14665 | 0.00000 | 602892.1 | 473954.1 | 0.0 | S |
| 187.483 | 0.0000 | 0.0000 | 81.043 | 0.14664 | 0.00000 | 602892.1 | 473958.5 | 0.0 | S |
| 187.492 | 0.0000 | 0.0000 | 81.043 | 0.14664 | 0.00000 | 602892.1 | 473962.9 | 0.0 | S |
| 187.500 | 0.0000 | 0.0000 | 81.043 | 0.14663 | 0.00000 | 602892.1 | 473967.3 | 0.0 | S |
| 187.508 | 0.0000 | 0.0000 | 81.043 | 0.14662 | 0.00000 | 602892.1 | 473971.7 | 0.0 | S |
| 187.517 | 0.0000 | 0.0000 | 81.043 | 0.14662 | 0.00000 | 602892.1 | 473976.1 | 0.0 | S |
| 187.525 | 0.0000 | 0.0000 | 81.043 | 0.14661 | 0.00000 | 602892.1 | 473980.5 | 0.0 | S |
| 187.533 | 0.0000 | 0.0000 | 81.043 | 0.14660 | 0.00000 | 602892.1 | 473984.9 | 0.0 | S |
| 187.542 | 0.0000 | 0.0000 | 81.043 | 0.14660 | 0.00000 | 602892.1 | 473989.3 | 0.0 | S |
| 187.550 | 0.0000 | 0.0000 | 81.042 | 0.14659 | 0.00000 | 602892.1 | 473993.7 | 0.0 | S |
| 187.558 | 0.0000 | 0.0000 | 81.042 | 0.14658 | 0.00000 | 602892.4 | 473998.1 | 0.0 | S |
| 187.567 | 0.0000 | 0.0000 | 81.042 | 0.14657 | 0.00000 | 602892.1 | 474002.5 | 0.0 | S |
| 187.575 | 0.0000 | 0.0000 | 81.042 | 0.14657 | 0.00000 | 602892.1 | 474006.9 | 0.0 | S |
| 187.583 | 0.0000 | 0.0000 | 81.042 | 0.14656 | 0.00000 | 602892.1 | 474011.3 | 0.0 | S |
| 187.592 | 0.0000 | 0.0000 | 81.042 | 0.14655 | 0.00000 | 602892.1 | 474015.7 | 0.0 | S |
| 187.600 | 0.0000 | 0.0000 | 81.042 | 0.14655 | 0.00000 | 602892.1 | 474020.1 | 0.0 | S |
| 187.608 | 0.0000 | 0.0000 | 81.042 | 0.14654 | 0.00000 | 602892.1 | 474024.5 | 0.0 | S |
| 187.617 | 0.0000 | 0.0000 | 81.042 | 0.14653 | 0.00000 | 602892.1 | 474028.9 | 0.0 | S |
| 187.625 | 0.0000 | 0.0000 | 81.042 | 0.14653 | 0.00000 | 602892.1 | 474033.3 | 0.0 | S |
| 187.633 | 0.0000 | 0.0000 | 81.042 | 0.14652 | 0.00000 | 602892.1 | 474037.7 | 0.0 | S |
| 187.642 | 0.0000 | 0.0000 | 81.042 | 0.14651 | 0.00000 | 602892.1 | 474042.1 | 0.0 | S |
| 187.650 | 0.0000 | 0.0000 | 81.041 | 0.14650 | 0.00000 | 602892.1 | 474046.5 | 0.0 | S |
| 187.658 | 0.0000 | 0.0000 | 81.041 | 0.14650 | 0.00000 | 602892.1 | 474050.9 | 0.0 | S |
| 187.667 | 0.0000 | 0.0000 | 81.041 | 0.14649 | 0.00000 | 602892.1 | 474055.3 | 0.0 | S |
| 187.675 | 0.0000 | 0.0000 | 81.041 | 0.14648 | 0.00000 | 602892.1 | 474059.7 | 0.0 | S |
| 187.683 | 0.0000 | 0.0000 | 81.041 | 0.14648 | 0.00000 | 602892.1 | 474064.1 | 0.0 | S |
| 187.692 | 0.0000 | 0.0000 | 81.041 | 0.14647 | 0.00000 | 602892.1 | 474068.4 | 0.0 | S |
| 187.700 | 0.0000 | 0.0000 | 81.041 | 0.14646 | 0.00000 | 602892.1 | 474072.8 | 0.0 | S |
| 187.708 | 0.0000 | 0.0000 | 81.041 | 0.14646 | 0.00000 | 602892.1 | 474077.3 | 0.0 | S |
| 187.717 | 0.0000 | 0.0000 | 81.041 | 0.14645 | 0.00000 | 602892.1 | 474081.6 | 0.0 | S |
| 187.725 | 0.0000 | 0.0000 | 81.041 | 0.14644 | 0.00000 | 602892.1 | 474086.0 | 0.0 | S |
| 187.733 | 0.0000 | 0.0000 | 81.041 | 0.14643 | 0.00000 | 602892.1 | 474090.4 | 0.0 | S |
| 187.742 | 0.0000 | 0.0000 | 81.040 | 0.14643 | 0.00000 | 602892.1 | 474094.8 | 0.0 | S |
| 187.750 | 0.0000 | 0.0000 | 81.040 | 0.14642 | 0.00000 | 602892.1 | 474099.2 | 0.0 | S |
| 187.758 | 0.0000 | 0.0000 | 81.040 | 0.14641 | 0.00000 | 602892.1 | 474103.6 | 0.0 | S |
| 187.767 | 0.0000 | 0.0000 | 81.040 | 0.14641 | 0.00000 | 602892.1 | 474108.0 | 0.0 | S |
| 187.775 | 0.0000 | 0.0000 | 81.040 | 0.14640 | 0.00000 | 602892.1 | 474112.4 | 0.0 | S |
| 187.783 | 0.0000 | 0.0000 | 81.040 | 0.14639 | 0.00000 | 602892.1 | 474116.8 | 0.0 | S |
| 187.792 | 0.0000 | 0.0000 | 81.040 | 0.14639 | 0.00000 | 602892.1 | 474121.2 | 0.0 | S |
| 187.800 | 0.0000 | 0.0000 | 81.040 | 0.14638 | 0.00000 | 602892.1 | 474125.6 | 0.0 | S |
| 187.808 | 0.0000 | 0.0000 | 81.040 | 0.14637 | 0.00000 | 602892.1 | 474129.9 | 0.0 | S |
| 187.817 | 0.0000 | 0.0000 | 81.040 | 0.14636 | 0.00000 | 602892.1 | 474134.3 | 0.0 | S |
| 187.825 | 0.0000 | 0.0000 | 81.040 | 0.14636 | 0.00000 | 602892.1 | 474138.7 | 0.0 | S |
| 187.833 | 0.0000 | 0.0000 | 81.040 | 0.14635 | 0.00000 | 602892.1 | 474143.1 | 0.0 | S |
| 187.842 | 0.0000 | 0.0000 | 81.039 | 0.14634 | 0.00000 | 602892.1 | 474147.5 | 0.0 | S |
| 187.850 | 0.0000 | 0.0000 | 81.039 | 0.14634 | 0.00000 | 602892.1 | 474151.9 | 0.0 | S |
| 187.858 | 0.0000 | 0.0000 | 81.039 | 0.14633 | 0.00000 | 602892.1 | 474156.3 | 0.0 | S |
| 187.867 | 0.0000 | 0.0000 | 81.039 | 0.14632 | 0.00000 | 602892.1 | 474160.7 | 0.0 | S |
| 187.875 | 0.0000 | 0.0000 | 81.039 | 0.14632 | 0.00000 | 602892.1 | 474165.1 | 0.0 | S |
| 187.883 | 0.0000 | 0.0000 | 81.039 | 0.14631 | 0.00000 | 602892.1 | 474169.5 | 0.0 | S |
| 187.892 | 0.0000 | 0.0000 | 81.039 | 0.14630 | 0.00000 | 602892.1 | 474173.8 | 0.0 | S |
| 187.900 | 0.0000 | 0.0000 | 81.039 | 0.14629 | 0.00000 | 602892.1 | 474178.2 | 0.0 | S |
| 187.908 | 0.0000 | 0.0000 | 81.039 | 0.14629 | 0.00000 | 602892.1 | 474182.6 | 0.0 | S |
| 187.917 | 0.0000 | 0.0000 | 81.039 | 0.14628 | 0.00000 | 602892.1 | 474187.0 | 0.0 | S |
| 187.925 | 0.0000 | 0.0000 | 81.039 | 0.14627 | 0.00000 | 602892.1 | 474191.4 | 0.0 | S |
| 187.933 | 0.0000 | 0.0000 | 81.039 | 0.14627 | 0.00000 | 602892.1 | 474195.8 | 0.0 | S |
| 187.942 | 0.0000 | 0.0000 | 81.038 | 0.14626 | 0.00000 | 602892.1 | 474200.2 | 0.0 | S |
| 187.950 | 0.0000 | 0.0000 | 81.038 | 0.14625 | 0.00000 | 602892.1 | 474204.6 | 0.0 | S |
| 187.958 | 0.0000 | 0.0000 | 81.038 | 0.14625 | 0.00000 | 602892.1 | 474208.9 | 0.0 | S |
| 187.967 | 0.0000 | 0.0000 | 81.038 | 0.14624 | 0.00000 | 602892.1 | 474213.3 | 0.0 | S |
| 187.975 | 0.0000 | 0.0000 | 81.038 | 0.14623 | 0.00000 | 602892.1 | 474217.7 | 0.0 | S |
| 187.983 | 0.0000 | 0.0000 | 81.038 | 0.14622 | 0.00000 | 602892.1 | 474222.1 | 0.0 | S |
| 187.992 | 0.0000 | 0.0000 | 81.038 | 0.14622 | 0.00000 | 602892.1 | 474226.5 | 0.0 | S |
| 188.000 | 0.0000 | 0.0000 | 81.038 | 0.14621 | 0.00000 | 602892.1 | 474230.9 | 0.0 | S |
| 188.008 | 0.0000 | 0.0000 | 81.038 | 0.14620 | 0.00000 | 602892.1 | 474235.3 | 0.0 | S |
| 188.017 | 0.0000 | 0.0000 | 81.038 | 0.14620 | 0.00000 | 602892.1 | 474239.7 | 0.0 | S |
| 188.025 | 0.0000 | 0.0000 | 81.038 | 0.14619 | 0.00000 | 602892.1 | 474244.0 | 0.0 | S |
| 188.033 | 0.0000 | 0.0000 | 81.038 | 0.14618 | 0.00000 | 602892.1 | 474248.4 | 0.0 | S |
| 188.042 | 0.0000 | 0.0000 | 81.037 | 0.14618 | 0.00000 | 602892.1 | 474252.8 | 0.0 | S |
| 188.050 | 0.0000 | 0.0000 | 81.037 | 0.14617 | 0.00000 | 602892.1 | 474257.2 | 0.0 | S |
| 188.058 | 0.0000 | 0.0000 | 81.037 | 0.14616 | 0.00000 | 602892.1 | 474261.6 | 0.0 | S |
| 188.067 | 0.0000 | 0.0000 | 81.037 | 0.14615 | 0.00000 | 602892.1 | 474266.0 | 0.0 | S |
| 188.075 | 0.0000 | 0.0000 | 81.037 | 0.14615 | 0.00000 | 602892.1 | 474270.3 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation ( ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume (ft ${ }^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{tt}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\ddagger 88.083$ | 0.0000 | 0.0000 | 81.037 | 0.14614 | 0.00000 | 602892.1 | 474274.8 | 0.0 | S |
| 188.092 | 0.0000 | 0.0000 | 81.037 | 0.14613 | 0.00000 | 602892.1 | 474279.1 | 0.0 | S |
| 188.100 | 0.0000 | 0.0000 | 81.037 | 0.14613 | 0.00000 | 602892.1 | 474283.5 | 0.0 | S |
| 188.108 | 0.0000 | 0.0000 | 81.037 | 0.14612 | 0.00000 | 602892.1 | 474287.9 | 0.0 | S |
| 188.117 | 0.0000 | 0.0000 | 81.037 | 0.14611 | 0.00000 | 602892.1 | 474292.3 | 0.0 | S |
| 188.125 | 0.0000 | 0.0000 | 81.037 | 0.14611 | 0.00000 | 602892.1 | 474296.7 | 0.0 | S |
| 188.133 | 0.0000 | 0.0000 | 81.036 | 0.14610 | 0.00000 | 602892.1 | 474301.0 | 0.0 | S |
| 188.142 | 0.0000 | 0.0000 | 81.036 | 0.14609 | 0.00000 | 602892.1 | 474305.4 | 0.0 | S |
| 188.150 | 0.0000 | 0.0000 | 81.036 | 0.14608 | 0.00000 | 602892.1 | 474309.8 | 0.0 | S |
| 188.158 | 0.0000 | 0.0000 | 81.036 | 0.14608 | 0.00000 | 602892.1 | 474314.2 | 0.0 | S |
| 188.167 | 0.0000 | 0.0000 | 81.036 | 0.14607 | 0.00000 | 602892.1 | 474318.6 | 0.0 | S |
| 188.175 | 0.0000 | 0.0000 | 81.036 | 0.14606 | 0.00000 | 602892.1 | 474322.9 | 0.0 | S |
| 188.183 | 0.0000 | 0.0000 | 81.036 | 0.14606 | 0.00000 | 602892.1 | 474327.3 | 0.0 | S |
| 188.192 | 0.0000 | 0.0000 | 81.036 | 0.14605 | 0.00000 | 602892.1 | 474331.7 | 0.0 | S |
| 188.200 | 0.0000 | 0.0000 | 81.036 | 0.14604 | 0.00000 | 602892.1 | 474336.1 | 0.0 | S |
| 188.208 | 0.0000 | 0.0000 | 81.036 | 0.14604 | 0.00000 | 602892.1 | 474340.5 | 0.0 | S |
| 188.217 | 0.0000 | 0.0000 | 81.036 | 0.14603 | 0.00000 | 602892.1 | 474344.8 | 0.0 | S |
| 188.225 | 0.0000 | 0.0000 | 81.036 | 0.14602 | 0.00000 | 602892.1 | 474349.3 | 0.0 | S |
| 188.233 | 0.0000 | 0.0000 | 81.035 | 0.14602 | 0.00000 | 602892.1 | 474353.6 | 0.0 | S |
| 188.242 | 0.0000 | 0.0000 | 81.035 | 0.14601 | 0.00000 | 602892.1 | 474358.0 | 0.0 | 5 |
| 188.250 | 0.0000 | 0.0000 | 81.035 | 0.14600 | 0.00000 | 602892.1 | 474362.4 | 0.0 | S |
| 188.258 | 0.0000 | 0.0000 | 81.035 | 0.14599 | 0.00000 | 602892.1 | 474366.8 | 0.0 | S |
| 188.267 | 0.0000 | 0.0000 | 81.035 | 0.14599 | 0.00000 | 602892.1 | 474371.1 | 0.0 | S |
| 188.275 | 0.0000 | 0.0000 | 81.035 | 0.14598 | 0.00000 | 602892.1 | 474375.5 | 0.0 | S |
| 188.283 | 0.0000 | 0.0000 | 81.035 | 0.14597 | 0.00000 | 602892.1 | 474379.9 | 0.0 | S |
| 188.292 | 0.0000 | 0.0000 | 81.035 | 0.14597 | 0.00000 | 602892.1 | 474384.3 | 0.0 | S |
| 188.300 | 0.0000 | 0.0000 | 81.035 | 0.14596 | 0.00000 | 602892.1 | 474388.7 | 0.0 | S |
| 188.308 | 0.0000 | 0.0000 | 81.035 | 0.14595 | 0.00000 | 602892.1 | 474393.0 | 0.0 | S |
| 188.317 | 0.0000 | 0.0000 | 81.035 | 0.14595 | 0.00000 | 602892.1 | 474397.4 | 0.0 | S |
| 188.325 | 0.0000 | 0.0000 | 81.035 | 0.14594 | 0.00000 | 602892.1 | 474401.8 | 0.0 | S |
| 188.333 | 0.0000 | 0.0000 | 81.034 | 0.14593 | 0.00000 | 602892.1 | 474406.2 | 0.0 | S |
| 188.342 | 0.0000 | 0.0000 | 81.034 | 0.14592 | 0.00000 | 602892.1 | 474410.6 | 0.0 | S |
| 188.350 | 0.0000 | 0.0000 | 81.034 | 0.14592 | 0.00000 | 602892.4 | 474414.9 | 0.0 | S |
| 188.358 | 0.0000 | 0.0000 | 81.034 | 0.14591 | 0.00000 | 602892.1 | 474419.3 | 0.0 | S |
| $\uparrow 88.367$ | 0.0000 | 0.0000 | 81.034 | 0.14590 | 0.00000 | 602892.1 | 474423.7 | 0.0 | S |
| 188.375 | 0.0000 | 0.0000 | 81.034 | 0.14590 | 0.00000 | 602892.1 | 474428.1 | 0.0 | S |
| 188.383 | 0.0000 | 0.0000 | 81.034 | 0.14589 | 0.00000 | 602892.1 | 474432.4 | 0.0 | S |
| 188.392 | 0.0000 | 0.0000 | 81.034 | 0.14588 | 0.00000 | 602892.1 | 474436.8 | 0.0 | S |
| 188.400 | 0.0000 | 0.0000 | 81.034 | 0.14588 | 0.00000 | 602892.1 | 474441.2 | 0.0 | S |
| 188.408 | 0.0000 | 0.0000 | 81.034 | 0.14587 | 0.00000 | 602892.1 | 474445.6 | 0.0 | S |
| 188.417 | 0.0000 | 0.0000 | 81.034 | 0.14586 | 0.00000 | 602892.1 | 474449.9 | 0.0 | S |
| 188.425 | 0.0000 | 0.0000 | 81.034 | 0.14586 | 0.00000 | 602892.1 | 474454.3 | 0.0 | S |
| 188.433 | 0.0000 | 0.0000 | 81.033 | 0.14585 | 0.00000 | 602892.1 | 474458.7 | 0.0 | S |
| 188.442 | 0.0000 | 0.0000 | 81.033 | 0.14584 | 0.00000 | 602892.1 | 474463.1 | 0.0 | S |
| 188.450 | 0.0000 | 0.0000 | 81.033 | 0.14583 | 0.00000 | 602892.1 | 474467.4 | 0.0 | S |
| 188.458 | 0.0000 | 0.0000 | 81.033 | 0.14583 | 0.00000 | 602892.1 | 474471.8 | 0.0 | S |
| 188.467 | 0.0000 | 0.0000 | 81.033 | 0.14582 | 0.00000 | 602892.1 | 474476.2 | 0.0 | S |
| 188.475 | 0.0000 | 0.0000 | 81.033 | 0.14581 | 0.00000 | 602892.1 | 474480.6 | 0.0 | S |
| 188.483 | 0.0000 | 0.0000 | 81.033 | 0.14581 | 0.00000 | 602892.1 | 474484.9 | 0.0 | S |
| 188.492 | 0.0000 | 0.0000 | 81.033 | 0.14580 | 0.00000 | 602892.1 | 474489.3 | 0.0 | S |
| 188.500 | 0.0000 | 0.0000 | 81.033 | 0.14579 | 0.00000 | 602892.1 | 474493.7 | 0.0 | S |
| 188.508 | 0.0000 | 0.0000 | 81.033 | 0.14579 | 0.00000 | 602892.1 | 474498.1 | 0.0 | S |
| 188.517 | 0.0000 | 0.0000 | 81.033 | 0.14578 | 0.00000 | 602892.1 | 474502.4 | 0.0 | S |
| 188.525 | 0.0000 | 0.0000 | 81.032 | 0.14577 | 0.00000 | 602892.1 | 474506.8 | 0.0 | S |
| 188.533 | 0.0000 | 0.0000 | 81.032 | 0.14576 | 0.00000 | 602892.1 | 474511.2 | 0.0 | S |
| 188.542 | 0.0000 | 0.0000 | 81.032 | 0.14576 | 0.00000 | 602892.1 | 474515.6 | 0.0 | S |
| 188.550 | 0.0000 | 0.0000 | 81.032 | 0.14575 | 0.00000 | 602892.1 | 474519.9 | 0.0 | S |
| 188.558 | 0.0000 | 0.0000 | 81.032 | 0.14574 | 0.00000 | 602892.1 | 474524.3 | 0.0 | S |
| 188.567 | 0.0000 | 0.0000 | 81.032 | 0.14574 | 0.00000 | 602892.1 | 474528.7 | 0.0 | S |
| 188.575 | 0.0000 | 0.0000 | 81.032 | 0.14573 | 0.00000 | 602892.1 | 474533.0 | 0.0 | S |
| 188.583 | 0.0000 | 0.0000 | 81.032 | 0.14572 | 0.00000 | 602892.1 | 474537.4 | 0.0 | S |
| 188.592 | 0.0000 | 0.0000 | 81.032 | 0.14572 | 0.00000 | 602892.1 | 474541.8 | 0.0 | S |
| 188.600 | 0.0000 | 0.0000 | 81.032 | 0.14571 | 0.00000 | 602892.1 | 474546.2 | 0.0 | S |
| 188.608 | 0.0000 | 0.0000 | 81.032 | 0.14570 | 0.00000 | 602892.1 | 474550.5 | 0.0 | S |
| 188.617 | 0.0000 | 0.0000 | 81.032 | 0.14570 | 0.00000 | 602892.1 | 474554.9 | 0.0 | S |
| 188.625 | 0.0000 | 0.0000 | 81.031 | 0.14569 | 0.00000 | 602892.1 | 474559.3 | 0.0 | S |
| 188.633 | 0.0000 | 0.0000 | 81.031 | 0.14568 | 0.00000 | 602892.1 | 474563.6 | 0.0 | S |
| 188.642 | 0.0000 | 0.0000 | 81.031 | 0.14567 | 0.00000 | 602892.1 | 474568.0 | 0.0 | S |
| 188.650 | 0.0000 | 0.0000 | 81.031 | 0.14567 | 0.00000 | 602892.1 | 474572.4 | 0.0 | S |
| 188.658 | 0.0000 | 0.0000 | 81.031 | 0.14566 | 0.00000 | 602892.1 | 474576.8 | 0.0 | S |
| 188.667 | 0.0000 | 0.0000 | 81.031 | 0.14565 | 0.00000 | 602892.1 | 474581.1 | 0.0 | S |
| 188.675 | 0.0000 | 0.0000 | 81.031 | 0.14565 | 0.00000 | 602892.1 | 474585.5 | 0.0 | S |
| 188.683 | 0.0000 | 0.0000 | 81.031 | 0.14564 | 0.00000 | 602892.1 | 474589.8 | 0.0 | S |
| 188.692 | 0.0000 | 0.0000 | 81.031 | 0.14563 | 0.00000 | 602892.1 | 474594.2 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{t}^{3 / 1 /}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{t}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 188.700 | 0.0000 | 0.0000 | 81.031 | 0.14563 | 0.00000 | 602892.1 | 474598.6 | 0.0 | S |
| 188.708 | 0.0000 | 0.0000 | 81.031 | 0.14562 | 0.00000 | 602892.1 | 474603.0 | 0.0 | S |
| 188.717 | 0.0000 | 0.0000 | 81.031 | 0.14561 | 0.00000 | 602892.1 | 474607.3 | 0.0 | S |
| 188.725 | 0.0000 | 0.0000 | 81.030 | 0.14560 | 0.00000 | 602892.1 | 474611.7 | 0.0 | S |
| 188.733 | 0.0000 | 0.0000 | 81.030 | 0.14560 | 0.00000 | 602892.1 | 474616.1 | 0.0 | S |
| 188.742 | 0.0000 | 0.0000 | 81.030 | 0.14559 | 0.00000 | 602892.1 | 474620.4 | 0.0 | S |
| 188.750 | 0.0000 | 0.0000 | 81.030 | 0.14558 | 0.00000 | 602892.1 | 474624.8 | 0.0 | S |
| 188.758 | 0.0000 | 0.0000 | 81.030 | 0.14558 | 0.00000 | 602892.1 | 474629.2 | 0.0 | S |
| 188.767 | 0.0000 | 0.0000 | 81.030 | 0.14557 | 0.00000 | 602892.1 | 474633.5 | 0.0 | S |
| 188.775 | 0.0000 | 0.0000 | 81.030 | 0.14556 | 0.00000 | 602892.1 | 474637.9 | 0.0 | S |
| 188.783 | 0.0000 | 0.0000 | 81.030 | 0.14556 | 0.00000 | 602892.1 | 474642.3 | 0.0 | S |
| 188.792 | 0.0000 | 0.0000 | 81.030 | 0.14555 | 0.00000 | 602892.1 | 474646.7 | 0.0 | S |
| \$88.800 | 0.0000 | 0.0000 | 81.030 | 0.14554 | 0.00000 | 602892.1 | 474651.0 | 0.0 | S |
| 188.808 | 0.0000 | 0.0000 | 81.030 | 0.14554 | 0.00000 | 602892.1 | 474655.4 | 0.0 | S |
| 188.817 | 0.0000 | 0.0000 | 81.030 | 0.14553 | 0.00000 | 602892.1 | 474659.8 | 0.0 | S |
| 188.825 | 0.0000 | 0.0000 | 81.029 | 0.14552 | 0.00000 | 602892.1 | 474664.1 | 0.0 | S |
| 188.833 | 0.0000 | 0.0000 | 81.029 | 0.14551 | 0.00000 | 602892.1 | 474668.5 | 0.0 | S |
| 188.842 | 0.0000 | 0.0000 | 81.029 | 0.14551 | 0.00000 | 602892.1 | 474672.8 | 0.0 | S |
| 188.850 | 0.0000 | 0.0000 | 81.029 | 0.14550 | 0.00000 | 602892.1 | 474677.2 | 0.0 | S |
| 188.858 | 0.0000 | 0.0000 | 81.029 | 0.14549 | 0.00000 | 602892.1 | 474681.6 | 0.0 | S |
| 188.867 | 0.0000 | 0.0000 | 81.029 | 0.14549 | 0.00000 | 602892.1 | 474685.9 | 0.0 | S |
| 188.875 | 0.0000 | 0.0000 | 81.029 | 0.14548 | 0.00000 | 602892.1 | 474690.3 | 0.0 | S |
| 188.883 | 0.0000 | 0.0000 | 81.029 | 0.14547 | 0.00000 | 602892.1 | 474694.7 | 0.0 | S |
| 188.892 | 0.0000 | 0.0000 | 81.029 | 0.14547 | 0.00000 | 602892.1 | 474699.0 | 0.0 | S |
| 188.900 | 0.0000 | 0.0000 | 81.029 | 0.14546 | 0.00000 | 602892.1 | 474703.4 | 0.0 | S |
| 188.908 | 0.0000 | 0.0000 | 81.029 | 0.14545 | 0.00000 | 602892.1 | 474707.8 | 0.0 | S |
| 188.917 | 0.0000 | 0.0000 | 81.029 | 0.14545 | 0.00000 | 602892.1 | 474712.1 | 0.0 | S |
| 188.925 | 0.0000 | 0.0000 | 81.028 | 0.14544 | 0.00000 | 602892.1 | 474716.5 | 0.0 | S |
| 188.933 | 0.0000 | 0.0000 | 81.028 | 0.14543 | 0.00000 | 602892.1 | 474720.8 | 0.0 | S |
| 188.942 | 0.0000 | 0.0000 | 81.028 | 0.14542 | 0.00000 | 602892.1 | 474725.2 | 0.0 | S |
| 188.950 | 0.0000 | 0.0000 | 81.028 | 0.14542 | 0.00000 | 602892.1 | 474729.6 | 0.0 | S |
| 188.958 | 0.0000 | 0.0000 | 81.028 | 0.14541 | 0.00000 | 602892.1 | 474733.9 | 0.0 | S |
| 188.967 | 0.0000 | 0.0000 | 81.028 | 0.14540 | 0.00000 | 602892.1 | 474738.3 | 0.0 | S |
| 188.975 | 0.0000 | 0.0000 | 81.028 | 0.14540 | 0.00000 | 602892.1 | 474742.7 | 0.0 | S |
| 188.983 | 0.0000 | 0.0000 | 81.028 | 0.14539 | 0.00000 | 602892.1 | 474747.0 | 0.0 | S |
| 188.992 | 0.0000 | 0.0000 | 81.028 | 0.14538 | 0.00000 | 602892.1 | 474751.4 | 0.0 | S |
| 189.000 | 0.0000 | 0.0000 | 81.028 | 0.14538 | 0.00000 | 602892.1 | 474755.8 | 0.0 | S |
| 189.008 | 0.0000 | 0.0000 | 81.028 | 0.14537 | 0.00000 | 602892.1 | 474760.1 | 0.0 | S |
| 189.017 | 0.0000 | 0.0000 | 81.027 | 0.14536 | 0.00000 | 602892.1 | 474764.5 | 0.0 | S |
| 189.025 | 0.0000 | 0.0000 | 81.027 | 0.14536 | 0.00000 | 602892.1 | 474768.8 | 0.0 | S |
| 189.033 | 0.0000 | 0.0000 | 81.027 | 0.14535 | 0.00000 | 602892.1 | 474773.2 | 0.0 | S |
| 189.042 | 0.0000 | 0.0000 | 81.027 | 0.14534 | 0.00000 | 602892.1 | 474777.5 | 0.0 | S |
| 189.050 | 0.0000 | 0.0000 | 81.027 | 0.14533 | 0.00000 | 602892.1 | 474781.9 | 0.0 | S |
| 189.058 | 0.0000 | 0.0000 | 81.027 | 0.14533 | 0.00000 | 602892.1 | 474786.3 | 0.0 | S |
| 189.067 | 0.0000 | 0.0000 | 81.027 | 0.14532 | 0.00000 | 602892.1 | 474790.6 | 0.0 | S |
| 189.075 | 0.0000 | 0.0000 | 81.027 | 0.14531 | 0.00000 | 602892.1 | 474795.0 | 0.0 | S |
| 189.083 | 0.0000 | 0.0000 | 81.027 | 0.14531 | 0.00000 | 602892.1 | 474799.3 | 0.0 | S |
| 189.092 | 0.0000 | 0.0000 | 81.027 | 0.14530 | 0.00000 | 602892.1 | 474803.7 | 0.0 | S |
| 189.100 | 0.0000 | 0.0000 | 81.027 | 0.14529 | 0.00000 | 602892.1 | 474808.1 | 0.0 | S |
| 189.108 | 0.0000 | 0.0000 | 81.027 | 0.14529 | 0.00000 | 602892.1 | 474812.4 | 0.0 | S |
| 189.117 | 0.0000 | 0.0000 | 81.026 | 0.14528 | 0.00000 | 602892.1 | 474816.8 | 0.0 | S |
| 189.125 | 0.0000 | 0.0000 | 81.026 | 0.14527 | 0.00000 | 602892.1 | 474821.1 | 0.0 | S |
| 189.133 | 0.0000 | 0.0000 | 81.026 | 0.14527 | 0.00000 | 602892.1 | 474825.5 | 0.0 | S |
| 189.142 | 0.0000 | 0.0000 | 81.026 | 0.14526 | 0.00000 | 602892.1 | 474829.8 | 0.0 | S |
| 189.150 | 0.0000 | 0.0000 | 81.026 | 0.14525 | 0.00000 | 602892.1 | 474834.2 | 0.0 | S |
| 189.158 | 0.0000 | 0.0000 | 81.026 | 0.14525 | 0.00000 | 602892.1 | 474838.6 | 0.0 | S |
| 189.167 | 0.0000 | 0.0000 | 81.026 | 0.14524 | 0.00000 | 602892.1 | 474842.9 | 0.0 | S |
| 189.175 | 0.0000 | 0.0000 | 81.026 | 0.14523 | 0.00000 | 602892.1 | 474847.3 | 0.0 | S |
| 189.183 | 0.0000 | 0.0000 | 81.026 | 0.14522 | 0.00000 | 602892.1 | 474851.6 | 0.0 | S |
| 189.192 | 0.0000 | 0.0000 | 81.026 | 0.14522 | 0.00000 | 602892.1 | 474856.0 | 0.0 | S |
| 189.200 | 0.0000 | 0.0000 | 81.026 | 0.14521 | 0.00000 | 602892.1 | 474860.3 | 0.0 | S |
| 189.208 | 0.0000 | 0.0000 | 81.026 | 0.14520 | 0.00000 | 602892.1 | 474864.7 | 0.0 | S |
| 189.217 | 0.0000 | 0.0000 | 81.025 | 0.14520 | 0.00000 | 602892.1 | 474869.1 | 0.0 | S |
| 189.225 | 0.0000 | 0.0000 | 81.025 | 0.14519 | 0.00000 | 602892.1 | 474873.4 | 0.0 | S |
| 189.233 | 0.0000 | 0.0000 | 81.025 | 0.14518 | 0.00000 | 602892.1 | 474877.8 | 0.0 | S |
| 189.242 | 0.0000 | 0.0000 | 81.025 | 0.14518 | 0.00000 | 602892.1 | 474882.1 | 0.0 | S |
| 189.250 | 0.0000 | 0.0000 | 81.025 | 0.14517 | 0.00000 | 602892.1 | 474886.5 | 0.0 | S |
| 189.258 | 0.0000 | 0.0000 | 81.025 | 0.14516 | 0.00000 | 602892.1 | 474890.8 | 0.0 | S |
| 189.267 | 0.0000 | 0.0000 | 81.025 | 0.14516 | 0.00000 | 602892.1 | 474895.2 | 0.0 | S |
| 189.275 | 0.0000 | 0.0000 | 81.025 | 0.14515 | 0.00000 | 602892.1 | 474899.6 | 0.0 | S |
| 189.283 | 0.0000 | 0.0000 | 81.025 | 0.14514 | 0.00000 | 602892.1 | 474903.9 | 0.0 | S |
| 189.292 | 0.0000 | 0.0000 | 81.025 | 0.14513 | 0.00000 | 602892.1 | 474908.3 | 0.0 | S |
| 189.300 | 0.0000 | 0.0000 | 81.025 | 0.14513 | 0.00000 | 602892.1 | 474912.6 | 0.0 | S |
| 189.308 | 0.0000 | 0.0000 | 81.025 | 0.14512 | 0.00000 | 602892.1 | 474917.0 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate (f $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Infow Volume ( $\mathrm{t}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 189.317 | 0.0000 | 0.0000 | 81.024 | 0.14511 | 0.00000 | 602892.1 | 474921.3 | 0.0 | S |
| 189.325 | 0.0000 | 0.0000 | 81.024 | 0.14511 | 0.00000 | 602892.1 | 474925.7 | 0.0 | S |
| 189.333 | 0.0000 | 0.0000 | 81.024 | 0.14510 | 0.00000 | 602892.1 | 474930.0 | 0.0 | S |
| 189.342 | 0.0000 | 0.0000 | 81.024 | 0.14509 | 0.00000 | 602892.1 | 474934.4 | 0.0 | S |
| 189.350 | 0.0000 | 0.0000 | 81.024 | 0.14509 | 0.00000 | 602892.1 | 474938.7 | 0.0 | 5 |
| 189.358 | 0.0000 | 0.0000 | 81.024 | 0.14508 | 0.00000 | 602892.1 | 474943.1 | 0.0 | S |
| 189.367 | 0.0000 | 0.0000 | 81.024 | 0.14507 | 0.00000 | 602892.1 | 474947.4 | 0.0 | S |
| 189.375 | 0.0000 | 0.0000 | 81.024 | 0.14507 | 0.00000 | 602892.1 | 474951.8 | 0.0 | S |
| 189.383 | 0.0000 | 0.0000 | 81.024 | 0.14506 | 0.00000 | 602892.1 | 474956.1 | 0.0 | S |
| 189.392 | 0.0000 | 0.0000 | 81.024 | 0.14505 | 0.00000 | 602892.1 | 474960.5 | 0.0 | S |
| 189.400 | 0.0000 | 0.0000 | 81.024 | 0.14505 | 0.00000 | 602892.1 | 474964.8 | 0.0 | S |
| 189.408 | 0.0000 | 0.0000 | 81.024 | 0.14504 | 0.00000 | 602892.1 | 474969.2 | 0.0 | S |
| 189.417 | 0.0000 | 0.0000 | 81.023 | 0.14503 | 0.00000 | 602892.1 | 474973.5 | 0.0 | S |
| 189.425 | 0.0000 | 0.0000 | 81.023 | 0.14502 | 0.00000 | 602892.1 | 474977.9 | 0.0 | S |
| 189.433 | 0.0000 | 0.0000 | 81.023 | 0.14502 | 0.00000 | 602892.1 | 474982.3 | 0.0 | S |
| 189.442 | 0.0000 | 0.0000 | 81.023 | 0.14501 | 0.00000 | 602892.1 | 474986.6 | 0.0 | S |
| 189.450 | 0.0000 | 0.0000 | 81.023 | 0.14500 | 0.00000 | 602892.1 | 474990.9 | 0.0 | S |
| 189.458 | 0.0000 | 0.0000 | 81.023 | 0.14500 | 0.00000 | 602892.1 | 474995.3 | 0.0 | S |
| 189.467 | 0.0000 | 0.0000 | 81.023 | 0.14499 | 0.00000 | 602892.1 | 474999.7 | 0.0 | S |
| 189.475 | 0.0000 | 0.0000 | 81.023 | 0.14498 | 0.00000 | 602892.1 | 475004.0 | 0.0 | S |
| 189.483 | 0.0000 | 0.0000 | 81.023 | 0.14498 | 0.00000 | 602892.1 | 475008.3 | 0.0 | S |
| 189.492 | 0.0000 | 0.0000 | 81.023 | 0.14497 | 0.00000 | 602892.1 | 475012.7 | 0.0 | S |
| 189.500 | 0.0000 | 0.0000 | 81.023 | 0.14496 | 0.00000 | 602892.1 | 475017.0 | 0.0 | S |
| 189.508 | 0.0000 | 0.0000 | 81.022 | 0.14496 | 0.00000 | 602892.1 | 475021.4 | 0.0 | S |
| 189.517 | 0.0000 | 0.0000 | 81.022 | 0.14495 | 0.00000 | 602892.1 | 475025.8 | 0.0 | S |
| 189.525 | 0.0000 | 0.0000 | 81.022 | 0.14494 | 0.00000 | 602892.1 | 475030.1 | 0.0 | S |
| 189.533 | 0.0000 | 0.0000 | 81.022 | 0.14493 | 0.00000 | 602892.1 | 475034.4 | 0.0 | S |
| 189.542 | 0.0000 | 0.0000 | 81.022 | 0.14493 | 0.00000 | 602892.1 | 475038.8 | 0.0 | S |
| 189.550 | 0.0000 | 0.0000 | 81.022 | 0.14492 | 0.00000 | 602892.1 | 475043.1 | 0.0 | S |
| 189.558 | 0.0000 | 0.0000 | 81.022 | 0.14491 | 0.00000 | 602892.1 | 475047.5 | 0.0 | S |
| 189.567 | 0.0000 | 0.0000 | 81.022 | 0.14491 | 0.00000 | 602892.1 | 475051.8 | 0.0 | S |
| 189.575 | 0.0000 | 0.0000 | 81.022 | 0.14490 | 0.00000 | 602892.1 | 475056.2 | 0.0 | S |
| 189.583 | 0.0000 | 0.0000 | 81.022 | 0.14489 | 0.00000 | 602892.1 | 475060.5 | 0.0 | S |
| 189.592 | 0.0000 | 0.0000 | 81.022 | 0.14489 | 0.00000 | 602892.1 | 475064.9 | 0.0 | 5 |
| 189.600 | 0.0000 | 0.0000 | 81.022 | 0.14488 | 0.00000 | 602892.1 | 475069.2 | 0.0 | S |
| 189.608 | 0.0000 | 0.0000 | 81.021 | 0.14487 | 0.00000 | 602892.1 | 475073.6 | 0.0 | S |
| 189.617 | 0.0000 | 0.0000 | 81.021 | 0.14487 | 0.00000 | 602882.1 | 475077.9 | 0.0 | S |
| 189.625 | 0.0000 | 0.0000 | 81.021 | 0.14486 | 0.00000 | 602892.1 | 475082.3 | 0.0 | S |
| 189.633 | 0.0000 | 0.0000 | 81.021 | 0.14485 | 0.00000 | 602892.1 | 475086.6 | 0.0 | S |
| 189.642 | 0.0000 | 0.0000 | 81.021 | 0.14485 | 0.00000 | 602892.1 | 475090.9 | 0.0 | S |
| 189.650 | 0.0000 | 0.0000 | 81.021 | 0.14484 | 0.00000 | 602892.1 | 475095.3 | 0.0 | S |
| 189.658 | 0.0000 | 0.0000 | 81.021 | 0.14483 | 0.00000 | 602892.1 | 475099.6 | 0.0 | S |
| 189.667 | 0.0000 | 0.0000 | 81.021 | 0.14482 | 0.00000 | 602892.1 | 475104.0 | 0.0 | 5 |
| 189.675 | 0.0000 | 0.0000 | 81.021 | 0.14482 | 0.00000 | 602892.1 | 475108.3 | 0.0 | S |
| 189.683 | 0.0000 | 0.0000 | 81.021 | 0.14481 | 0.00000 | 602892.1 | 475112.7 | 0.0 | S |
| 189.692 | 0.0000 | 0.0000 | 81.021 | 0.14480 | 0.00000 | 602892.7 | 475117.0 | 0.0 | S |
| 189.700 | 0.0000 | 0.0000 | 81.021 | 0.14480 | 0.00000 | 602892.1 | 475121.3 | 0.0 | S |
| 189.708 | 0.0000 | 0.0000 | 81.020 | 0.14479 | 0.00000 | 602892.1 | 475125.7 | 0.0 | S |
| 189.717 | 0.0000 | 0.0000 | 81.020 | 0.14478 | 0.00000 | 602892.1 | 475130.0 | 0.0 | S |
| 189.725 | 0.0000 | 0.0000 | 81.020 | 0.14478 | 0.00000 | 602892.1 | 475134.4 | 0.0 | S |
| 189.733 | 0.0000 | 0.0000 | 81.020 | 0.14477 | 0.00000 | 602892.1 | 475138.7 | 0.0 | S |
| 189.742 | 0.0000 | 0.0000 | 81.020 | 0.14476 | 0.00000 | 602892.1 | 475143.1 | 0.0 | S |
| 189.750 | 0.0000 | 0.0000 | 81.020 | 0.14476 | 0.00000 | 602892.1 | 475147.4 | 0.0 | S |
| 189.758 | 0.0000 | 0.0000 | 81.020 | 0.14475 | 0.00000 | 602892.1 | 475151.8 | 0.0 | S |
| 189.767 | 0.0000 | 0.0000 | 81.020 | 0.14474 | 0.00000 | 602892.1 | 475156.1 | 0.0 | S |
| 189.775 | 0.0000 | 0.0000 | 81.020 | 0.14474 | 0.00000 | 602892.1 | 475160.4 | 0.0 | S |
| 189.783 | 0.0000 | 0.0000 | 81.020 | 0.14473 | 0.00000 | 602892.1 | 475164.8 | 0.0 | 5 |
| 189.792 | 0.0000 | 0.0000 | 81.020 | 0.14472 | 0.00000 | 602892.1 | 475169.1 | 0.0 | S |
| 189.800 | 0.0000 | 0.0000 | 81.020 | 0.14472 | 0.00000 | 602892.1 | 475173.5 | 0.0 | S |
| 189.808 | 0.0000 | 0.0000 | 81.019 | 0.14471 | 0.00000 | 602892.1 | 475177.8 | 0.0 | S |
| 189.817 | 0.0000 | 0.0000 | 81.019 | 0.14470 | 0.00000 | 602892.1 | 475182.2 | 0.0 | S |
| 189.825 | 0.0000 | 0.0000 | 81.019 | 0.14469 | 0.00000 | 602892.1 | 475186.5 | 0.0 | S |
| 189.833 | 0.0000 | 0.0000 | 81.019 | 0.14469 | 0.00000 | 602892.1 | 475190.8 | 0.0 | S |
| 189.842 | 0.0000 | 0.0000 | 81.019 | 0.14468 | 0.00000 | 602892.1 | 475195.2 | 0.0 | S |
| 189.850 | 0.0000 | 0.0000 | 81.019 | 0.14467 | 0.00000 | 602892.1 | 475199.5 | 0.0 | S |
| 189.858 | 0.0000 | 0.0000 | 81.019 | 0.14467 | 0.00000 | 602892.1 | 475203.8 | 0.0 | S |
| 189.867 | 0.0000 | 0.0000 | 81.019 | 0.14466 | 0.00000 | 602892.1 | 475208.2 | 0.0 | S |
| 189.875 | 0.0000 | 0.0000 | 81.019 | 0.14465 | 0.00000 | 602892.1 | 475212.5 | 0.0 | S |
| 189.883 | 0.0000 | 0.0000 | 81.019 | 0.14465 | 0.00000 | 602892.1 | 475216.9 | 0.0 | S |
| 189.892 | 0.0000 | 0.0000 | 81.019 | 0.14464 | 0.00000 | 602892.1 | 475221.2 | 0.0 | S |
| 189.900 | 0.0000 | 0.0000 | 81.019 | 0.14463 | 0.00000 | 602892.1 | 475225.6 | 0.0 | S |
| 189.908 | 0.0000 | 0.0000 | 81.018 | 0.14463 | 0.00000 | 602892.1 | 475229.9 | 0.0 | S |
| 189.917 | 0.0000 | 0.0000 | 81.018 | 0.14462 | 0.00000 | 602892.1 | 475234.2 | 0.0 | S |
| 189.925 | 0.0000 | 0.0000 | 81.018 | 0.14461 | 0.00000 | 602892.1 | 475238.6 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{fl}^{3 / \mathrm{s}}$ ) | Outside Recharge (It/day) | Stage Elevation (ft datum) | Intiltration Rate ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 /} / \mathrm{s}$ ) | Cumulative Inflow Volume $\left(\mathrm{ft}^{3}\right)$ | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{fl}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 189.933 | 0.0000 | 0.0000 | 81.018 | 0.14461 | 0.00000 | 602892.1 | 475242.9 | 0.0 | S |
| 189.942 | 0.0000 | 0.0000 | 81.018 | 0.14460 | 0.00000 | 602892.1 | 475247.3 | 0.0 | S |
| 189.950 | 0.0000 | 0.0000 | 81.018 | 0.14459 | 0.00000 | 602892.1 | 475251.6 | 0.0 | S |
| 189.958 | 0.0000 | 0.0000 | 81.018 | 0.14458 | 0.00000 | 602892.1 | 475255.9 | 0.0 | S |
| 189.967 | 0.0000 | 0.0000 | 81.018 | 0.14458 | 0.00000 | 602892.1 | 475260.3 | 0.0 | S |
| 189.975 | 0.0000 | 0.0000 | 81.018 | 0.14457 | 0.00000 | 602892.1 | 475264.6 | 0.0 | S |
| 189.983 | 0.0000 | 0.0000 | 81.018 | 0.14456 | 0.00000 | 602892.1 | 475268.9 | 0.0 | S |
| 189.992 | 0.0000 | 0.0000 | 81.018 | 0.14456 | 0.00000 | 602892.1 | 475273.3 | 0.0 | S |
| 190.000 | 0.0000 | 0.0000 | 81.018 | 0.14455 | 0.00000 | 602892.1 | 475277.6 | 0.0 | S |
| 190.008 | 0.0000 | 0.0000 | 81.017 | 0.14454 | 0.00000 | 602892.1 | 475281.9 | 0.0 | S |
| 190.017 | 0.0000 | 0.0000 | 81.017 | 0.14454 | 0.00000 | 602892.1 | 475286.3 | 0.0 | S |
| 190.025 | 0.0000 | 0.0000 | 81.017 | 0.14453 | 0.00000 | 602892.1 | 475290.6 | 0.0 | S |
| 190.033 | 0.0000 | 0.0000 | 81.017 | 0.14452 | 0.00000 | 602892.1 | 475294.9 | 0.0 | S |
| 190.042 | 0.0000 | 0.0000 | 81.017 | 0.14452 | 0.00000 | 602892.1 | 475299.3 | 0.0 | S |
| 190.050 | 0.0000 | 0.0000 | 81.017 | 0.14451 | 0.00000 | 602892.1 | 475303.6 | 0.0 | S |
| 190.058 | 0.0000 | 0.0000 | 81.017 | 0.14450 | 0.00000 | 602892.1 | 475308.0 | 0.0 | S |
| 190.067 | 0.0000 | 0.0000 | 81.017 | 0.14450 | 0.00000 | 602892.1 | 475312.3 | 0.0 | S |
| 190.075 | 0.0000 | 0.0000 | 81.017 | 0.14449 | 0.00000 | 602892.1 | 475316.6 | 0.0 | S |
| 190.083 | 0.0000 | 0.0000 | 81.017 | 0.14448 | 0.00000 | 602892.1 | 475321.0 | 0.0 | S |
| 190.092 | 0.0000 | 0.0000 | 81.017 | 0.14448 | 0.00000 | 602892.1 | 475325.3 | 0.0 | S |
| 190.100 | 0.0000 | 0.0000 | 81.016 | 0.14447 | 0.00000 | 602892.1 | 475329.6 | 0.0 | S |
| 190.108 | 0.0000 | 0.0000 | 81.016 | 0.14446 | 0.00000 | 602892.1 | 475334.0 | 0.0 | S |
| 490.117 | 0.0000 | 0.0000 | 81.016 | 0.14445 | 0.00000 | 602892.1 | 475338.3 | 0.0 | S |
| 190.125 | 0.0000 | 0.0000 | 81.016 | 0.14445 | 0.00000 | 602892.1 | 475342.6 | 0.0 | S |
| 190.133 | 0.0000 | 0.0000 | 81.016 | 0.14444 | 0.00000 | 602892.1 | 475347.0 | 0.0 | S |
| 190.142 | 0.0000 | 0.0000 | 81.016 | 0.14443 | 0.00000 | 602892.1 | 475351.3 | 0.0 | S |
| 190.150 | 0.0000 | 0.0000 | 81.016 | 0.14443 | 0.00000 | 602892.1 | 475355.6 | 0.0 | S |
| 190.158 | 0.0000 | 0.0000 | 81.016 | 0.14442 | 0.00000 | 602892.1 | 475360.0 | 0.0 | S |
| 190.167 | 0.0000 | 0.0000 | 81.016 | 0.14441 | 0.00000 | 602892.1 | 475364.3 | 0.0 | S |
| 190.175 | 0.0000 | 0.0000 | 81.016 | 0.14441 | 0.00000 | 602892.1 | 475368.6 | 0.0 | S |
| 190.183 | 0.0000 | 0.0000 | 81.016 | 0.14440 | 0.00000 | 602892.1 | 475373.0 | 0.0 | S |
| 190.192 | 0.0000 | 0.0000 | 81.016 | 0.14439 | 0.00000 | 602892.1 | 475377.3 | 0.0 | S |
| 190.200 | 0.0000 | 0.0000 | 81.015 | 0.14439 | 0.00000 | 602892.1 | 475381.6 | 0.0 | S |
| 190.208 | 0.0000 | 0.0000 | 81.015 | 0.14438 | 0.00000 | 602892.1 | 475385.9 | 0.0 | S |
| 190.217 | 0.0000 | 0.0000 | 81.015 | 0.14437 | 0.00000 | 602892.1 | 475390.3 | 0.0 | S |
| 190.225 | 0.0000 | 0.0000 | 81.015 | 0.14437 | 0.00000 | 602892.1 | 475394.6 | 0.0 | S |
| 190.233 | 0.0000 | 0.0000 | 81.015 | 0.14436 | 0.00000 | 602892.1 | 475398.9 | 0.0 | S |
| 190.242 | 0.0000 | 0.0000 | 81.015 | 0.14435 | 0.00000 | 602892.1 | 475403.3 | 0.0 | S |
| 190.250 | 0.0000 | 0.0000 | 81.015 | 0.14435 | 0.00000 | 602892.1 | 475407.6 | 0.0 | S |
| 190.258 | 0.0000 | 0.0000 | 81.015 | 0.14434 | 0.00000 | 602892.1 | 475411.9 | 0.0 | S |
| 190.267 | 0.0000 | 0.0000 | 81.015 | 0.14433 | 0.00000 | 602892.1 | 475416.3 | 0.0 | 5 |
| 190.275 | 0.0000 | 0.0000 | 81.015 | 0.14432 | 0.00000 | 602892.1 | 475420.6 | 0.0 | S |
| 190.283 | 0.0000 | 0.0000 | 81.015 | 0.14432 | 0.00000 | 602892.1 | 475424.9 | 0.0 | S |
| 190.292 | 0.0000 | 0.0000 | 81.015 | 0.14431 | 0.00000 | 602892.1 | 475429.3 | 0.0 | S |
| 190.300 | 0.0000 | 0.0000 | 81.014 | 0.14430 | 0.00000 | 602892.1 | 475433.6 | 0.0 | S |
| 190.308 | 0.0000 | 0.0000 | 81.014 | 0.14430 | 0.00000 | 602892.1 | 475437.9 | 0.0 | S |
| 190.317 | 0.0000 | 0.0000 | 81.014 | 0.14429 | 0.00000 | 602892.1 | 475442.3 | 0.0 | S |
| 190.325 | 0.0000 | 0.0000 | 81.014 | 0.14428 | 0.00000 | 602892.1 | 475446.6 | 0.0 | S |
| 190.333 | 0.0000 | 0.0000 | 81.014 | 0.14428 | 0.00000 | 602892.1 | 475450.9 | 0.0 | S |
| 190.342 | 0.0000 | 0.0000 | 81.014 | 0.14427 | 0.00000 | 602892.1 | 475455.2 | 0.0 | S |
| 190.350 | 0.0000 | 0.0000 | 81.014 | 0.14426 | 0.00000 | 602892.1 | 475459.6 | 0.0 | S |
| 190.358 | 0.0000 | 0.0000 | 81.014 | 0.14426 | 0.00000 | 602892.1 | 475463.9 | 0.0 | S |
| 190.367 | 0.0000 | 0.0000 | 81.014 | 0.14425 | 0.00000 | 602892.1 | 475468.2 | 0.0 | S |
| 190.375 | 0.0000 | 0.0000 | 81.014 | 0.14424 | 0.00000 | 602892.1 | 475472.5 | 0.0 | S |
| 190.383 | 0.0000 | 0.0000 | 81.014 | 0.14424 | 0.00000 | 602892.1 | 475476.9 | 0.0 | S |
| 190.392 | 0.0000 | 0.0000 | 81.014 | 0.14423 | 0.00000 | 602892.1 | 475481.2 | 0.0 | S |
| 190.400 | 0.0000 | 0.0000 | 81.013 | 0.14422 | 0.00000 | 602892.1 | 475485.5 | 0.0 | S |
| 190.408 | 0.0000 | 0.0000 | 81.013 | 0.14422 | 0.00000 | 602892.1 | 475489.8 | 0.0 | S |
| 190.417 | 0.0000 | 0.0000 | 81.013 | 0.14421 | 0.00000 | 602892.1 | 475494.2 | 0.0 | S |
| 190.425 | 0.0000 | 0.0000 | 81.013 | 0.14420 | 0.00000 | 602892.1 | 475498.5 | 0.0 | S |
| 190.433 | 0.0000 | 0.0000 | 81.013 | 0.14420 | 0.00000 | 602892.1 | 475502.8 | 0.0 | S |
| 190.442 | 0.0000 | 0.0000 | 81.013 | 0.14419 | 0.00000 | 602892.1 | 475507.2 | 0.0 | S |
| 190.450 | 0.0000 | 0.0000 | 81.013 | 0.14418 | 0.00000 | 602892.1 | 475511.5 | 0.0 | S |
| 190.458 | 0.0000 | 0.0000 | 81.013 | 0.14417 | 0.00000 | 602892.1 | 475515.8 | 0.0 | S |
| 190.467 | 0.0000 | 0.0000 | 81.013 | 0.14417 | 0.00000 | 602892.1 | 475520.1 | 0.0 | S |
| 190.475 | 0.0000 | 0.0000 | 81.013 | 0.14416 | 0.00000 | 602892.1 | 475524.4 | 0.0 | S |
| 190.483 | 0.0000 | 0.0000 | 81.013 | 0.14415 | 0.00000 | 602892.1 | 475528.8 | 0.0 | S |
| 190.492 | 0.0000 | 0.0000 | 81.013 | 0.14415 | 0.00000 | 602892.1 | 475533.1 | 0.0 | S |
| 190.500 | 0.0000 | 0.0000 | 81.012 | 0.14414 | 0.00000 | 602892.1 | 475537.4 | 0.0 | S |
| 190.508 | 0.0000 | 0.0000 | 81.012 | 0.14413 | 0.00000 | 602892.1 | 475541.8 | 0.0 | S |
| 190.517 | 0.0000 | 0.0000 | 81.012 | 0.14413 | 0.00000 | 602892.1 | 475546.1 | 0.0 | S |
| 190.525 | 0.0000 | 0.0000 | 81.012 | 0.14412 | 0.00000 | 602892.1 | 475550.4 | 0.0 | S |
| 190.533 | 0.0000 | 0.0000 | 81.012 | 0.14411 | 0.00000 | 602892.1 | 475554.7 | 0.0 | S |
| 190.542 | 0.0000 | 0.0000 | 81.012 | 0.14411 | 0.00000 | 602892.1 | 475559.0 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{F}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (fl datum) | Infiltration Rate ( $\mathrm{H}^{3} / \mathrm{S}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ff}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 190.550 | 0.0000 | 0.0000 | 81.012 | 0.14410 | 0.00000 | 602892.1 | 475563.4 | 0.0 | S |
| 190.558 | 0.0000 | 0.0000 | 81.012 | 0.14409 | 0.00000 | 602892.1 | 475567.7 | 0.0 | S |
| 190.567 | 0.0000 | 0.0000 | 81.012 | 0.14409 | 0.00000 | 602892.1 | 475572.0 | 0.0 | S |
| 190.575 | 0.0000 | 0.0000 | 81.012 | 0.14408 | 0.00000 | 602892.1 | 475576.3 | 0.0 | S |
| 190.583 | 0.0000 | 0.0000 | 81.012 | 0.14407 | 0.00000 | 602892.1 | 475580.7 | 0.0 | S |
| 190.592 | 0.0000 | 0.0000 | 81.012 | 0.14407 | 0.00000 | 602892.1 | 475585.0 | 0.0 | S |
| 190.600 | 0.0000 | 0.0000 | 81.011 | 0.14406 | 0.00000 | 602892.1 | 475589.3 | 0.0 | S |
| 190.608 | 0.0000 | 0.0000 | 81.011 | 0.14405 | 0.00000 | 602892.1 | 475593.6 | 0.0 | S |
| 190.617 | 0.0000 | 0.0000 | 81.011 | 0.14405 | 0.00000 | 602892.1 | 475597.9 | 0.0 | S |
| 190.625 | 0.0000 | 0.0000 | 81.011 | 0.14404 | 0.00000 | 602892.1 | 475602.3 | 0.0 | S |
| 190.633 | 0.0000 | 0.0000 | 81.011 | 0.14403 | 0.00000 | 602892.1 | 475606.6 | 0.0 | S |
| 190.642 | 0.0000 | 0.0000 | 81.011 | 0.14402 | 0.00000 | 602892.1 | 475610.9 | 0.0 | S |
| 190.650 | 0.0000 | 0.0000 | 81.011 | 0.14402 | 0.00000 | 602892.1 | 475615.2 | 0.0 | S |
| 190.658 | 0.0000 | 0.0000 | 81.011 | 0.14401 | 0.00000 | 602892.1 | 475619.6 | 0.0 | S |
| 190.667 | 0.0000 | 0.0000 | 81.011 | 0.14400 | 0.00000 | 602892.1 | 475623.9 | 0.0 | S |
| 190.675 | 0.0000 | 0.0000 | 81.011 | 0.14400 | 0.00000 | 602892.1 | 475628.2 | 0.0 | S |
| 190.683 | 0.0000 | 0.0000 | 81.011 | 0.14399 | 0.00000 | 602892.1 | 475632.5 | 0.0 | S |
| 190.692 | 0.0000 | 0.0000 | 81.011 | 0.14398 | 0.00000 | 602892.1 | 475636.8 | 0.0 | S |
| 190.700 | 0.0000 | 0.0000 | 81.010 | 0.14398 | 0.00000 | 602892.1 | 475641.2 | 0.0 | S |
| 190.708 | 0.0000 | 0.0000 | 81.010 | 0.14397 | 0.00000 | 602892.1 | 475645.5 | 0.0 | S |
| 190.717 | 0.0000 | 0.0000 | 81.010 | 0.14396 | 0.00000 | 602892.1 | 475649.8 | 0.0 | S |
| 190.725 | 0.0000 | 0.0000 | 81.010 | 0.14396 | 0.00000 | 602892.1 | 475654.1 | 0.0 | S |
| 190.733 | 0.0000 | 0.0000 | 81.010 | 0.14395 | 0.00000 | 602892.1 | 475658.4 | 0.0 | S |
| 190.742 | 0.0000 | 0.0000 | 81.010 | 0.14394 | 0.00000 | 602892.1 | 475662.8 | 0.0 | S |
| 190.750 | 0.0000 | 0.0000 | 81.010 | 0.14394 | 0.00000 | 602892.1 | 475667.1 | 0.0 | S |
| 190.758 | 0.0000 | 0.0000 | 81.010 | 0.14393 | 0.00000 | 602892.1 | 475671.4 | 0.0 | S |
| 190.767 | 0.0000 | 0.0000 | 81.010 | 0.14392 | 0.00000 | 602892.1 | 475675.7 | 0.0 | S |
| 190.775 | 0.0000 | 0.0000 | 81.010 | 0.14392 | 0.00000 | 602892.1 | 475680.0 | 0.0 | S |
| 190.783 | 0.0000 | 0.0000 | 81.010 | 0.14391 | 0.00000 | 602892.1 | 475684.3 | 0.0 | S |
| 190.792 | 0.0000 | 0.0000 | 81.010 | 0.14390 | 0.00000 | 602892.1 | 475688.7 | 0.0 | S |
| 190.800 | 0.0000 | 0.0000 | 81.009 | 0.14390 | 0.00000 | 602892.1 | 475693.0 | 0.0 | S |
| 190.808 | 0.0000 | 0.0000 | 81.009 | 0.14389 | 0.00000 | 602892.1 | 475697.3 | 0.0 | S |
| 190.817 | 0.0000 | 0.0000 | 81.009 | 0.74388 | 0.00000 | 602892.1 | 475701.6 | 0.0 | S |
| 190.825 | 0.0000 | 0.0000 | 81.009 | 0.14388 | 0.00000 | 602882.1 | 475705.9 | 0.0 | S |
| 190.833 | 0.0000 | 0.0000 | 81.009 | 0.14387 | 0.00000 | 602892.1 | 475710.2 | 0.0 | S |
| 190.842 | 0.0000 | 0.0000 | 81.009 | 0.14386 | 0.00000 | 602892.1 | 475714.5 | 0.0 | S |
| 190.850 | 0.0000 | 0.0000 | 81.009 | 0.14385 | 0.00000 | 602892.1 | 475718.9 | 0.0 | S |
| 190.858 | 0.0000 | 0.0000 | 81.009 | 0.14385 | 0.00000 | 602892.1 | 475723.2 | 0.0 | S |
| 190.867 | 0.0000 | 0.0000 | 81.009 | 0.14384 | 0.00000 | 602892.1 | 475727.5 | 0.0 | S |
| 190.875 | 0.0000 | 0.0000 | 81.009 | 0.14383 | 0.00000 | 602892.1 | 475731.8 | 0.0 | S |
| 190.883 | 0.0000 | 0.0000 | 81.009 | 0.14383 | 0.00000 | 602892.1 | 475736.1 | 0.0 | S |
| 190.892 | 0.0000 | 0.0000 | 81.008 | 0.14382 | 0.00000 | 602892.1 | 475740.4 | 0.0 | S |
| 190.900 | 0.0000 | 0.0000 | 81.008 | 0.14381 | 0.00000 | 602892.1 | 475744.8 | 0.0 | S |
| 190.908 | 0.0000 | 0.0000 | 81.008 | 0.14381 | 0.00000 | 602892.1 | 475749.1 | 0.0 | S |
| 190.917 | 0.0000 | 0.0000 | 81.008 | 0.14380 | 0.00000 | 602892.1 | 475753.4 | 0.0 | S |
| 190.925 | 0.0000 | 0.0000 | 81.008 | 0.14379 | 0.00000 | 602892.1 | 475757.7 | 0.0 | S |
| 190.933 | 0.0000 | 0.0000 | 81.008 | 0.14379 | 0.00000 | 602892.1 | 475762.0 | 0.0 | S |
| 190.942 | 0.0000 | 0.0000 | 81.008 | 0.14378 | 0.00000 | 602892.1 | 475766.3 | 0.0 | S |
| 190.950 | 0.0000 | 0.0000 | 81.008 | 0.14377 | 0.00000 | 602892.1 | 475770.6 | 0.0 | S |
| 190.958 | 0.0000 | 0.0000 | 81.008 | 0.14377 | 0.00000 | 602892.1 | 475774.9 | 0.0 | S |
| 190.967 | 0.0000 | 0.0000 | 81.008 | 0.14376 | 0.00000 | 602892.1 | 475779.3 | 0.0 | S |
| 190.975 | 0.0000 | 0.0000 | 81.008 | 0.14375 | 0.00000 | 602892.1 | 475783.6 | 0.0 | S |
| 190.983 | 0.0000 | 0.0000 | 81.008 | 0.14375 | 0.00000 | 602892.1 | 475787.9 | 0.0 | S |
| 190.992 | 0.0000 | 0.0000 | 81.007 | 0.14374 | 0.00000 | 602892.1 | 475792.2 | 0.0 | S |
| 191.000 | 0.0000 | 0.0000 | 81.007 | 0.14373 | 0.00000 | 602892.1 | 475796.5 | 0.0 | S |
| 191.008 | 0.0000 | 0.0000 | 81.007 | 0.14373 | 0.00000 | 602892.1 | 475800.8 | 0.0 | S |
| 191.017 | 0.0000 | 0.0000 | 81.007 | 0.14372 | 0.00000 | 602892.1 | 475805.1 | 0.0 | S |
| 191.025 | 0.0000 | 0.0000 | 81.007 | 0.14371 | 0.00000 | 602892.1 | 475809.4 | 0.0 | S |
| 191.033 | 0.0000 | 0.0000 | 81.007 | 0.14371 | 0.00000 | 602892.1 | 475813.8 | 0.0 | S |
| 191.042 | 0.0000 | 0.0000 | 81.007 | 0.14370 | 0.00000 | 602892.1 | 475818.1 | 0.0 | S |
| 191.050 | 0.0000 | 0.0000 | 81.007 | 0.14369 | 0.00000 | 602892.1 | 475822.4 | 0.0 | S |
| 191.058 | 0.0000 | 0.0000 | 81.007 | 0.14369 | 0.00000 | 602892.1 | 475826.7 | 0.0 | S |
| 191.067 | 0.0000 | 0.0000 | 81.007 | 0.14368 | 0.00000 | 602892.1 | 475831.0 | 0.0 | S |
| 191.075 | 0.0000 | 0.0000 | 81.007 | 0.14367 | 0.00000 | 602892.1 | 475835.3 | 0.0 | S |
| 191.083 | 0.0000 | 0.0000 | 81.007 | 0.14366 | 0.00000 | 602892.1 | 475839.6 | 0.0 | S |
| 191.092 | 0.0000 | 0.0000 | 81.006 | 0.14366 | 0.00000 | 602892.1 | 475843.9 | 0.0 | S |
| 191.100 | 0.0000 | 0.0000 | 81.006 | 0.14365 | 0.00000 | 602892.1 | 475848.3 | 0.0 | S |
| 191.108 | 0.0000 | 0.0000 | 81.006 | 0.14364 | 0.00000 | 602892.1 | 475852.6 | 0.0 | S |
| 191.117 | 0.0000 | 0.0000 | 81.006 | 0.14364 | 0.00000 | 602892.1 | 475856.8 | 0.0 | S |
| 191.125 | 0.0000 | 0.0000 | 81.006 | 0.14363 | 0.00000 | 602892.1 | 475861.2 | 0.0 | S |
| 191.133 | 0.0000 | 0.0000 | 81.006 | 0.14362 | 0.00000 | 602892.1 | 475865.5 | 0.0 | S |
| 191.142 | 0.0000 | 0.0000 | 81.006 | 0.14362 | 0.00000 | 602892.1 | 475869.8 | 0.0 | S |
| 191.150 | 0.0000 | 0.0000 | 81.006 | 0.14361 | 0.00000 | 602892.1 | 475874.1 | 0.0 | S |
| 191.158 | 0.0000 | 0.0000 | 81.006 | 0.14360 | 0.00000 | 602892.1 | 475878.4 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infileration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 191.167 | 0.0000 | 0.0000 | 81.006 | 0.14360 | 0.00000 | 602892.1 | 475882.7 | 0.0 | S |
| 191.175 | 0.0000 | 0.0000 | 81.006 | 0.14359 | 0.00000 | 602892.1 | 475887.0 | 0.0 | S |
| 191.183 | 0.0000 | 0.0000 | 81.006 | 0.14358 | 0.00000 | 602892.1 | 475891.3 | 0.0 | S |
| 191.192 | 0.0000 | 0.0000 | 81.005 | 0.14358 | 0.00000 | 602892.1 | 475895.6 | 0.0 | S |
| 191.200 | 0.0000 | 0.0000 | 81.005 | 0.14357 | 0.00000 | 602892.1 | 475898.9 | 0.0 | S |
| 191.208 | 0.0000 | 0.0000 | 81.005 | 0.14356 | 0.00000 | 602892.1 | 475904.3 | 0.0 | S |
| 191.217 | 0.0000 | 0.0000 | 81.005 | 0.14356 | 0.00000 | 602892.1 | 475908.6 | 0.0 | S |
| 191.225 | 0.0000 | 0.0000 | 81.005 | 0.14355 | 0.00000 | 602892.1 | 475912.9 | 0.0 | S |
| 191.233 | 0.0000 | 0.0000 | 81.005 | 0.14354 | 0.00000 | 602892.1 | 475917.2 | 0.0 | S |
| 191.242 | 0.0000 | 0.0000 | 81.005 | 0.14354 | 0.00000 | 602892.1 | 475921.5 | 0.0 | S |
| 191.250 | 0.0000 | 0.0000 | 81.005 | 0.14353 | 0.00000 | 602892.1 | 475925.8 | 0.0 | S |
| 191.258 | 0.0000 | 0.0000 | 81.005 | 0.14352 | 0.00000 | 602892.1 | 475930.1 | 0.0 | S |
| 191.267 | 0.0000 | 0.0000 | 81.005 | 0.14352 | 0.00000 | 602892.1 | 475934.4 | 0.0 | S |
| 191.275 | 0.0000 | 0.0000 | 81.005 | 0.14351 | 0.00000 | 602892.1 | 475938.7 | 0.0 | S |
| 191.283 | 0.0000 | 0.0000 | 81.005 | 0.14350 | 0.00000 | 602892.1 | 475943.0 | 0.0 | S |
| 191.292 | 0.0000 | 0.0000 | 81.004 | 0.14350 | 0.00000 | 602892.1 | 475947.3 | 0.0 | S |
| 191.300 | 0.0000 | 0.0000 | 81.004 | 0.14349 | 0.00000 | 602892.1 | 475951.6 | 0.0 | S |
| 191.308 | 0.0000 | 0.0000 | 81.004 | 0.14348 | 0.00000 | 602892.1 | 475955.9 | 0.0 | S |
| 191.317 | 0.0000 | 0.0000 | 81.004 | 0.14348 | 0.00000 | 602892.1 | 475960.2 | 0.0 | S |
| 191.325 | 0.0000 | 0.0000 | 81.004 | 0.14347 | 0.00000 | 602892.1 | 475964.5 | 0.0 | S |
| 191.333 | 0.0000 | 0.0000 | 81.004 | 0.14346 | 0.00000 | 602892.1 | 475968.8 | 0.0 | S |
| 191.342 | 0.0000 | 0.0000 | 81.004 | 0.14346 | 0.00000 | 602892.1 | 475973.1 | 0.0 | S |
| 191.350 | 0.0000 | 0.0000 | 81.004 | 0.14345 | 0.00000 | 602892.1 | 475977.4 | 0.0 | S |
| 191.358 | 0.0000 | 0.0000 | 81.004 | 0.14344 | 0.00000 | 602892.1 | 475981.8 | 0.0 | S |
| 191.367 | 0.0000 | 0.0000 | 81.004 | 0.14343 | 0.00000 | 602892.1 | 475986.0 | 0.0 | S |
| 191.375 | 0.0000 | 0.0000 | 81.004 | 0.14343 | 0.00000 | 602892.1 | 475990.3 | 0.0 | S |
| 191.383 | 0.0000 | 0.0000 | 81.004 | 0.14342 | 0.00000 | 602892.1 | 475994.7 | 0.0 | S |
| 191.392 | 0.0000 | 0.0000 | 81.003 | 0.14341 | 0.00000 | 602892.1 | 475998.9 | 0.0 | S |
| 191.400 | 0.0000 | 0.0000 | 81.003 | 0.14341 | 0.00000 | 602892.1 | 476003.3 | 0.0 | S |
| 191.408 | 0.0000 | 0.0000 | 81.003 | 0.14340 | 0.00000 | 602892.1 | 476007.6 | 0.0 | S |
| 191.417 | 0.0000 | 0.0000 | 81.003 | 0.14339 | 0.00000 | 602892.1 | 476011.8 | 0.0 | S |
| 191.425 | 0.0000 | 0.0000 | 81.003 | 0.14339 | 0.00000 | 602892.1 | 476016.2 | 0.0 | S |
| 191.433 | 0.0000 | 0.0000 | 81.003 | 0.14338 | 0.00000 | 602892.1 | 476020.5 | 0.0 | S |
| 191.442 | 0.0000 | 0.0000 | 81.003 | 0.14337 | 0.00000 | 602892.1 | 476024.8 | 0.0 | S |
| 191.450 | 0.0000 | 0.0000 | 81.003 | 0.14337 | 0.00000 | 602892.1 | 476029.1 | 0.0 | S |
| 191.458 | 0.0000 | 0.0000 | 81.003 | 0.14336 | 0.00000 | 602892.7 | 476033.4 | 0.0 | S |
| 191.467 | 0.0000 | 0.0000 | 81.003 | 0.14335 | 0.00000 | 602892.1 | 476037.7 | 0.0 | S |
| 191.475 | 0.0000 | 0.0000 | 81.003 | 0.14335 | 0.00000 | 602892.1 | 476042.0 | 0.0 | S |
| 191.483 | 0.0000 | 0.0000 | 81.003 | 0.14334 | 0.00000 | 602892.1 | 476046.3 | 0.0 | S |
| 191.492 | 0.0000 | 0.0000 | 81.002 | 0.14333 | 0.00000 | 602892.1 | 476050.6 | 0.0 | S |
| 191.500 | 0.0000 | 0.0000 | 81.002 | 0.14333 | 0.00000 | 602892.1 | 476054.9 | 0.0 | S |
| 191.508 | 0.0000 | 0.0000 | 81.002 | 0.14332 | 0.00000 | 602892.1 | 476059.2 | 0.0 | S |
| 191.517 | 0.0000 | 0.0000 | 81.002 | 0.14331 | 0.00000 | 602892.1 | 476063.5 | 0.0 | S |
| 191.525 | 0.0000 | 0.0000 | 81.002 | 0.14331 | 0.00000 | 602892.1 | 476067.8 | 0.0 | S |
| 191.533 | 0.0000 | 0.0000 | 81.002 | 0.14330 | 0.00000 | 602892.1 | 476072.1 | 0.0 | S |
| 191.542 | 0.0000 | 0.0000 | 81.002 | 0.14329 | 0.00000 | 602892.1 | 476076.4 | 0.0 | S |
| 191.550 | 0.0000 | 0.0000 | 81.002 | 0.14329 | 0.00000 | 602892.1 | 476080.7 | 0.0 | S |
| 191.558 | 0.0000 | 0.0000 | 81.002 | 0.14328 | 0.00000 | 602892.1 | 476085.0 | 0.0 | S |
| 191.567 | 0.0000 | 0.0000 | 81.002 | 0.14327 | 0.00000 | 602892.1 | 476089.3 | 0.0 | S |
| 191.575 | 0.0000 | 0.0000 | 81.002 | 0.14327 | 0.00000 | 602892.1 | 476093.6 | 0.0 | S |
| 191.583 | 0.0000 | 0.0000 | 81.002 | 0.14326 | 0.00000 | 602892.1 | 476097.8 | 0.0 | S |
| 191.592 | 0.0000 | 0.0000 | 81.001 | 0.14325 | 0.00000 | 602892.1 | 476102.2 | 0.0 | S |
| 191.600 | 0.0000 | 0.0000 | 81.001 | 0.14325 | 0.00000 | 602892.1 | 476106.4 | 0.0 | S |
| 191.608 | 0.0000 | 0.0000 | 81.001 | 0.14324 | 0.00000 | 602892.1 | 476110.8 | 0.0 | S |
| 191.617 | 0.0000 | 0.0000 | 81.001 | 0.14323 | 0.00000 | 602892.1 | 476115.0 | 0.0 | S |
| 191.625 | 0.0000 | 0.0000 | 81.001 | 0.14323 | 0.00000 | 602892.1 | 476119.3 | 0.0 | S |
| 191.633 | 0.0000 | 0.0000 | 81.001 | 0.14322 | 0.00000 | 602892.1 | 476123.6 | 0.0 | S |
| 191.642 | 0.0000 | 0.0000 | 81.001 | 0.14321 | 0.00000 | 602892.1 | 476127.9 | 0.0 | S |
| 191.650 | 0.0000 | 0.0000 | 81.001 | 0.14321 | 0.00000 | 602892.1 | 476132.2 | 0.0 | S |
| 191.658 | 0.0000 | 0.0000 | 81.001 | 0.14320 | 0.00000 | 602892.1 | 476136.5 | 0.0 | S |
| 191.667 | 0.0000 | 0.0000 | 81.001 | 0.14319 | 0.00000 | 602892.1 | 476140.8 | 0.0 | S |
| 191.675 | 0.0000 | 0.0000 | 81.001 | 0.14319 | 0.00000 | 602892.1 | 476145.1 | 0.0 | S |
| 191.683 | 0.0000 | 0.0000 | 81.001 | 0.14318 | 0.00000 | 602892.1 | 476149.4 | 0.0 | S |
| 191.692 | 0.0000 | 0.0000 | 81.000 | 0.14317 | 0.00000 | 602892.1 | 476153.7 | 0.0 | S |
| 191.700 | 0.0000 | 0.0000 | 81.000 | 0.14317 | 0.00000 | 602892.1 | 476158.0 | 0.0 | S |
| 191.708 | 0.0000 | 0.0000 | 81.000 | 0.14316 | 0.00000 | 602892.1 | 476162.3 | 0.0 | S |
| 191.717 | 0.0000 | 0.0000 | 81.000 | 0.14315 | 0.00000 | 602892.1 | 476166.6 | 0.0 | S |
| 191.725 | 0.0000 | 0.0000 | 81.000 | 0.14314 | 0.00000 | 602892.1 | 476170.9 | 0.0 | S |
| 191.733 | 0.0000 | 0.0000 | 81.000 | 0.14314 | 0.00000 | 602892.1 | 476175.2 | 0.0 | S |
| 191.742 | 0.0000 | 0.0000 | 81.000 | 0.14313 | 0.00000 | 602892.1 | 476179.5 | 0.0 | S |
| 191.750 | 0.0000 | 0.0000 | 81.000 | 0.14312 | 0.00000 | 602892.1 | 476183.8 | 0.0 | S |
| 191.758 | 0.0000 | 0.0000 | 81.000 | 0.14312 | 0.00000 | 602892.1 | 476188.1 | 0.0 | S |
| 191.767 | 0.0000 | 0.0000 | 81.000 | 0.14311 | 0.00000 | 602892.1 | 476192.3 | 0.0 | S |
| 191.775 | 0.0000 | 0.0000 | 81.000 | 0.14310 | 0.00000 | 602892.1 | 476196.7 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)

## :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{t}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{t}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 191.783 | 0.0000 | 0.0000 | 81.000 | 0.14310 | 0.00000 | 602892.1 | 476200.9 | 0.0 | S |
| 191.792 | 0.0000 | 0.0000 | 80.999 | 0.14309 | 0.00000 | 602892.1 | 476205.2 | 0.0 | S |
| 191.800 | 0.0000 | 0.0000 | 80.999 | 0.14308 | 0.00000 | 602892.1 | 476209.5 | 0.0 | S |
| 191.808 | 0.0000 | 0.0000 | 80.999 | 0.14308 | 0.00000 | 602892.1 | 476213.8 | 0.0 | S |
| 191.817 | 0.0000 | 0.0000 | 80.999 | 0.14307 | 0.00000 | 602892.1 | 476218.1 | 0.0 | S |
| 191.825 | 0.0000 | 0.0000 | 80.999 | 0.14306 | 0.00000 | 602892.1 | 476222.4 | 0.0 | S |
| 191.833 | 0.0000 | 0.0000 | 80.999 | 0.14306 | 0.00000 | 602892.1 | 476226.7 | 0.0 | S |
| 191.842 | 0.0000 | 0.0000 | 80.999 | 0.14305 | 0.00000 | 602892.1 | 476231.0 | 0.0 | S |
| 191.850 | 0.0000 | 0.0000 | 80.999 | 0.14304 | 0.00000 | 602892.1 | 476235.3 | 0.0 | S |
| 191.858 | 0.0000 | 0.0000 | 80.999 | 0.14304 | 0.00000 | 602892.1 | 476239.6 | 0.0 | S |
| 191.867 | 0.0000 | 0.0000 | 80.999 | 0.14303 | 0.00000 | 602892.1 | 476243.9 | 0.0 | S |
| 191.875 | 0.0000 | 0.0000 | 80.999 | 0.14302 | 0.00000 | 602892.1 | 476248.2 | 0.0 | S |
| 191.883 | 0.0000 | 0.0000 | 80.999 | 0.14302 | 0.00000 | 602892.1 | 476252.4 | 0.0 | S |
| 191.892 | 0.0000 | 0.0000 | 80.998 | 0.14301 | 0.00000 | 602892.1 | 476256.7 | 0.0 | S |
| 191.900 | 0.0000 | 0.0000 | 80.998 | 0.14300 | 0.00000 | 602892.1 | 476261.0 | 0.0 | S |
| 191.908 | 0.0000 | 0.0000 | 80.998 | 0.14300 | 0.00000 | 602892.1 | 476265.3 | 0.0 | S |
| 191.917 | 0.0000 | 0.0000 | 80.998 | 0.14299 | 0.00000 | 602892.1 | 476269.6 | 0.0 | S |
| 191.925 | 0.0000 | 0.0000 | 80.998 | 0.14298 | 0.00000 | 602892.1 | 476273.9 | 0.0 | S |
| 191.933 | 0.0000 | 0.0000 | 80.998 | 0.14298 | 0.00000 | 602892.1 | 476278.2 | 0.0 | S |
| 191.942 | 0.0000 | 0.0000 | 80.998 | 0.14297 | 0.00000 | 602892.1 | 476282.5 | 0.0 | S |
| 191.950 | 0.0000 | 0.0000 | 80.998 | 0.14296 | 0.00000 | 602892.1 | 476286.8 | 0.0 | S |
| 191.958 | 0.0000 | 0.0000 | 80.998 | 0.14296 | 0.00000 | 602892.1 | 476291.1 | 0.0 | S |
| 191.967 | 0.0000 | 0.0000 | 80.998 | 0.14295 | 0.00000 | 602892.1 | 476295.3 | 0.0 | S |
| 191.975 | 0.0000 | 0.0000 | 80.998 | 0.14294 | 0.00000 | 602892.1 | 476299.6 | 0.0 | S |
| 191.983 | 0.0000 | 0.0000 | 80.998 | 0.14294 | 0.00000 | 602892.1 | 476303.9 | 0.0 | S |
| 191.992 | 0.0000 | 0.0000 | 80.997 | 0.14293 | 0.00000 | 602892.1 | 476308.2 | 0.0 | S |
| 192.000 | 0.0000 | 0.0000 | 80.997 | 0.14292 | 0.00000 | 602892.1 | 476312.5 | 0.0 | S |
| 192.008 | 0.0000 | 0.0000 | 80.997 | 0.14292 | 0.00000 | 602892.1 | 476316.8 | 0.0 | S |
| 192.017 | 0.0000 | 0.0000 | 80.997 | 0.14291 | 0.00000 | 602892.1 | 476321.1 | 0.0 | S |
| 192.025 | 0.0000 | 0.0000 | 80.997 | 0.14290 | 0.00000 | 602892.1 | 476325.3 | 0.0 | S |
| 192.033 | 0.0000 | 0.0000 | 80.997 | 0.14290 | 0.00000 | 602892.1 | 476329.6 | 0.0 | S |
| 192.042 | 0.0000 | 0.0000 | 80.997 | 0.14289 | 0.00000 | 602892.1 | 476333.9 | 0.0 | S |
| 192.050 | 0.0000 | 0.0000 | 80.997 | 0.14288 | 0.00000 | 602892.1 | 476338.2 | 0.0 | S |
| 192.058 | 0.0000 | 0.0000 | 80.997 | 0.14288 | 0.00000 | 602892.1 | 476342.5 | 0.0 | S |
| 192.067 | 0.0000 | 0.0000 | 80.997 | 0.14287 | 0.00000 | 602892.1 | 476346.8 | 0.0 | S |
| 192.075 | 0.0000 | 0.0000 | 80.997 | 0.14286 | 0.00000 | 602892.1 | 476351.1 | 0.0 | S |
| 192.083 | 0.0000 | 0.0000 | 80.997 | 0.14286 | 0.00000 | 602892.1 | 476355.3 | 0.0 | S |
| 192.092 | 0.0000 | 0.0000 | 80.996 | 0.14285 | 0.00000 | 602892.1 | 476359.7 | 0.0 | S |
| 192.100 | 0.0000 | 0.0000 | 80.996 | 0.14284 | 0.00000 | 602892.1 | 476363.9 | 0.0 | S |
| 192.108 | 0.0000 | 0.0000 | 80.996 | 0.14284 | 0.00000 | 602892.1 | 476368.2 | 0.0 | S |
| 192.117 | 0.0000 | 0.0000 | 80.996 | 0.14283 | 0.00000 | 602892.1 | 476372.5 | 0.0 | S |
| 192.125 | 0.0000 | 0.0000 | 80.996 | 0.14282 | 0.00000 | 602892.1 | 476376.8 | 0.0 | S |
| 192.133 | 0.0000 | 0.0000 | 80.996 | 0.14282 | 0.00000 | 602892.1 | 476381.1 | 0.0 | S |
| 192.142 | 0.0000 | 0.0000 | 80.996 | 0.14281 | 0.00000 | 602892.1 | 476385.3 | 0.0 | S |
| 192.150 | 0.0000 | 0.0000 | 80.996 | 0.14280 | 0.00000 | 602892.1 | 476389.6 | 0.0 | S |
| 192.158 | 0.0000 | 0.0000 | 80.996 | 0.14280 | 0.00000 | 602892.1 | 476393.9 | 0.0 | S |
| 192.167 | 0.0000 | 0.0000 | 80.996 | 0.14279 | 0.00000 | 602892.1 | 476398.2 | 0.0 | S |
| 192.175 | 0.0000 | 0.0000 | 80.996 | 0.14278 | 0.00000 | 602892.1 | 476402.5 | 0.0 | S |
| 192.183 | 0.0000 | 0.0000 | 80.996 | 0.14278 | 0.00000 | 602892.1 | 476406.8 | 0.0 | S |
| 192.192 | 0.0000 | 0.0000 | 80.995 | 0.14277 | 0.00000 | 602892.1 | 476411.1 | 0.0 | S |
| 192.200 | 0.0000 | 0.0000 | 80.995 | 0.14276 | 0.00000 | 602892.1 | 476415.3 | 0.0 | S |
| 192.208 | 0.0000 | 0.0000 | 80.995 | 0.14276 | 0.00000 | 602892.1 | 476419.6 | 0.0 | S |
| 192.217 | 0.0000 | 0.0000 | 80.995 | 0.14275 | 0.00000 | 602892.1 | 476423.9 | 0.0 | S |
| 192.225 | 0.0000 | 0.0000 | 80.995 | 0.14274 | 0.00000 | 602892.1 | 476428.2 | 0.0 | S |
| 192.233 | 0.0000 | 0.0000 | 80.995 | 0.14274 | 0.00000 | 602892.1 | 476432.5 | 0.0 | S |
| 192.242 | 0.0000 | 0.0000 | 80.995 | 0.14273 | 0.00000 | 602892.1 | 476436.8 | 0.0 | S |
| 192.250 | 0.0000 | 0.0000 | 80.995 | 0.14272 | 0.00000 | 602892.1 | 476441.0 | 0.0 | S |
| 192.258 | 0.0000 | 0.0000 | 80.995 | 0.14272 | 0.00000 | 602892.1 | 476445.3 | 0.0 | S |
| 192.267 | 0.0000 | 0.0000 | 80.995 | 0.14271 | 0.00000 | 602892.1 | 476449.6 | 0.0 | S |
| 192.275 | 0.0000 | 0.0000 | 80.995 | 0.14270 | 0.00000 | 602892.1 | 476453.9 | 0.0 | S |
| 192.283 | 0.0000 | 0.0000 | 80.995 | 0.14270 | 0.00000 | 602892.1 | 476458.2 | 0.0 | S |
| 192.292 | 0.0000 | 0.0000 | 80.994 | 0.14269 | 0.00000 | 602892.1 | 476462.4 | 0.0 | S |
| 192.300 | 0.0000 | 0.0000 | 80.994 | 0.14268 | 0.00000 | 602892.1 | 476466.7 | 0.0 | S |
| 192.308 | 0.0000 | 0.0000 | 80.994 | 0.14267 | 0.00000 | 602892.1 | 476471.0 | 0.0 | S |
| 192.317 | 0.0000 | 0.0000 | 80.994 | 0.14267 | 0.00000 | 602892.1 | 476475.3 | 0.0 | S |
| 192.325 | 0.0000 | 0.0000 | 80.994 | 0.14266 | 0.00000 | 602892.1 | 476479.6 | 0.0 | S |
| 192.333 | 0.0000 | 0.0000 | 80.994 | 0.14265 | 0.00000 | 602892.1 | 476483.8 | 0.0 | S |
| 192.342 | 0.0000 | 0.0000 | 80.994 | 0.14265 | 0.00000 | 602892.1 | 476488.1 | 0.0 | S |
| 192.350 | 0.0000 | 0.0000 | 80.994 | 0.14264 | 0.00000 | 602892.1 | 476492.4 | 0.0 | S |
| 192.358 | 0.0000 | 0.0000 | 80.994 | 0.14263 | 0.00000 | 602892.1 | 476496.7 | 0.0 | S |
| 192.367 | 0.0000 | 0.0000 | 80.994 | 0.14263 | 0.00000 | 602892.1 | 476500.9 | 0.0 | S |
| 192.375 | 0.0000 | 0.0000 | 80.994 | 0.14262 | 0.00000 | 602892.1 | 476505.2 | 0.0 | S |
| 192.383 | 0.0000 | 0.0000 | 80.993 | 0.14261 | 0.00000 | 602892.1 | 476509.5 | 0.0 | S |
| 192.392 | 0.0000 | 0.0000 | 80.993 | 0.14261 | 0.00000 | 602892.1 | 476513.8 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | infiltration Rate ( $\mathrm{f}{ }^{3} / \mathrm{s}$ ) | Overflow Discharge $\left(\mathrm{ft}^{3 /} / \mathrm{s}\right)$ | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 192.400 | 0.0000 | 0.0000 | 80.993 | 0.14260 | 0.00000 | 602892.1 | 476518.1 | 0.0 | S |
| 192.408 | 0.0000 | 0.0000 | 80.993 | 0.14259 | 0.00000 | 602892.1 | 476522.3 | 0.0 | S |
| 192.417 | 0.0000 | 0.0000 | 80.993 | 0.14259 | 0.00000 | 602892.1 | 476526.6 | 0.0 | S |
| 192.425 | 0.0000 | 0.0000 | 80.993 | 0.14258 | 0.00000 | 602892.1 | 476530.9 | 0.0 | S |
| 192.433 | 0.0000 | 0.0000 | 80.993 | 0.14257 | 0.00000 | 602892.1 | 476535.2 | 0.0 | S |
| 192.442 | 0.0000 | 0.0000 | 80.993 | 0.14257 | 0.00000 | 602892.1 | 476539.5 | 0.0 | S |
| 192.450 | 0.0000 | 0.0000 | 80.993 | 0.14256 | 0.00000 | 602892.1 | 476543.7 | 0.0 | S |
| 192.458 | 0.0000 | 0.0000 | 80.993 | 0.14255 | 0.00000 | 602892.1 | 476548.0 | 0.0 | S |
| 192.467 | 0.0000 | 0.0000 | 80.993 | 0.14255 | 0.00000 | 602892.1 | 476552.3 | 0.0 | S |
| 192.475 | 0.0000 | 0.0000 | 80.993 | 0.14254 | 0.00000 | 602892.1 | 476556.6 | 0.0 | S |
| 192.483 | 0.0000 | 0.0000 | 80.992 | 0.14253 | 0.00000 | 602892.1 | 476560.8 | 0.0 | S |
| 192.492 | 0.0000 | 0.0000 | 80.992 | 0.14253 | 0.00000 | 602892.1 | 476565.1 | 0.0 | S |
| 192.500 | 0.0000 | 0.0000 | 80.992 | 0.14252 | 0.00000 | 602892.1 | 476569.4 | 0.0 | S |
| 192.508 | 0.0000 | 0.0000 | 80.992 | 0.14251 | 0.00000 | 602892.1 | 476573.7 | 0.0 | S |
| 192.517 | 0.0000 | 0.0000 | 80.992 | 0.14251 | 0.00000 | 602892.1 | 476577.9 | 0.0 | S |
| 192.525 | 0.0000 | 0.0000 | 80.992 | 0.14250 | 0.00000 | 602892.1 | 476582.2 | 0.0 | S |
| 192.533 | 0.0000 | 0.0000 | 80.992 | 0.14249 | 0.00000 | 602892.1 | 476586.5 | 0.0 | S |
| 192.542 | 0.0000 | 0.0000 | 80.992 | 0.14249 | 0.00000 | 602892.1 | 476590.8 | 0.0 | S |
| 192.550 | 0.0000 | 0.0000 | 80.992 | 0.14248 | 0.00000 | 602892.1 | 476595.0 | 0.0 | S |
| 192.558 | 0.0000 | 0.0000 | 80.992 | 0.14247 | 0.00000 | 602892.1 | 476599.3 | 0.0 | S |
| 192.567 | 0.0000 | 0.0000 | 80.992 | 0.14247 | 0.00000 | 602892.1 | 476603.6 | 0.0 | S |
| 192.575 | 0.0000 | 0.0000 | 80.992 | 0.14246 | 0.00000 | 602892.1 | 476607.9 | 0.0 | S |
| 192.583 | 0.0000 | 0.0000 | 80.991 | 0.14245 | 0.00000 | 602892.1 | 476612.1 | 0.0 | S |
| 192.592 | 0.0000 | 0.0000 | 80.991 | 0.14245 | 0.00000 | 602892.1 | 476616.4 | 0.0 | S |
| 192.600 | 0.0000 | 0.0000 | 80.991 | 0.14244 | 0.00000 | 602892.1 | 476620.7 | 0.0 | S |
| 192.608 | 0.0000 | 0.0000 | 80.991 | 0.14243 | 0.00000 | 602892.1 | 476625.0 | 0.0 | S |
| 192.617 | 0.0000 | 0.0000 | 80.991 | 0.14243 | 0.00000 | 602892.1 | 476629.2 | 0.0 | S |
| 192.625 | 0.0000 | 0.0000 | 80.991 | 0.14242 | 0.00000 | 602892.1 | 476633.5 | 0.0 | S |
| 192.633 | 0.0000 | 0.0000 | 80.991 | 0.14241 | 0.00000 | 602892.1 | 476637.8 | 0.0 | S |
| 192.642 | 0.0000 | 0.0000 | 80.991 | 0.14241 | 0.00000 | 602892.1 | 476642.0 | 0.0 | S |
| 192.650 | 0.0000 | 0.0000 | 80.991 | 0.14240 | 0.00000 | 602892.1 | 476646.3 | 0.0 | S |
| 192.658 | 0.0000 | 0.0000 | 80.991 | 0.14239 | 0.00000 | 602892.1 | 476650.6 | 0.0 | S |
| 192.667 | 0.0000 | 0.0000 | 80.991 | 0.14239 | 0.00000 | 602892.1 | 476654.9 | 0.0 | S |
| 192.675 | 0.0000 | 0.0000 | 80.991 | 0.14238 | 0.00000 | 602892.1 | 476659.1 | 0.0 | S |
| 192.683 | 0.0000 | 0.0000 | 80.990 | 0.14237 | 0.00000 | 602892.1 | 476663.4 | 0.0 | S |
| 192.692 | 0.0000 | 0.0000 | 80.990 | 0.14237 | 0.00000 | 602892.1 | 476667.7 | 0.0 | S |
| 192.700 | 0.0000 | 0.0000 | 80.990 | 0.14236 | 0.00000 | 602892.1 | 476671.9 | 0.0 | S |
| 192.708 | 0.0000 | 0.0000 | 80.990 | 0.14235 | 0.00000 | 602892.1 | 476676.2 | 0.0 | S |
| 192.717 | 0.0000 | 0.0000 | 80.990 | 0.14235 | 0.00000 | 602892.1 | 476680.5 | 0.0 | S |
| 192.725 | 0.0000 | 0.0000 | 80.990 | 0.14234 | 0.00000 | 602892.1 | 476684.8 | 0.0 | S |
| 192.733 | 0.0000 | 0.0000 | 80.990 | 0.14233 | 0.00000 | 602892.1 | 476689.0 | 0.0 | S |
| 192.742 | 0.0000 | 0.0000 | 80.990 | 0.14233 | 0.00000 | 602892.1 | 476693.3 | 0.0 | S |
| 192.750 | 0.0000 | 0.0000 | 80.990 | 0.14232 | 0.00000 | 602892.1 | 476697.6 | 0.0 | S |
| 192.758 | 0.0000 | 0.0000 | 80.990 | 0.14231 | 0.00000 | 602892.1 | 476701.8 | 0.0 | S |
| 192.767 | 0.0000 | 0.0000 | 80.990 | 0.14231 | 0.00000 | 602892.1 | 476706.1 | 0.0 | S |
| 192.775 | 0.0000 | 0.0000 | 80.990 | 0.14230 | 0.00000 | 602892.1 | 476710.4 | 0.0 | S |
| 192.783 | 0.0000 | 0.0000 | 80.989 | 0.14229 | 0.00000 | 602892.1 | 476714.7 | 0.0 | S |
| 192.792 | 0.0000 | 0.0000 | 80.989 | 0.14229 | 0.00000 | 602892.1 | 476718.9 | 0.0 | S |
| 192.800 | 0.0000 | 0.0000 | 80.989 | 0.14228 | 0.00000 | 602892.1 | 476723.2 | 0.0 | S |
| 192.808 | 0.0000 | 0.0000 | 80.989 | 0.14227 | 0.00000 | 602892.1 | 476727.4 | 0.0 | S |
| 192.817 | 0.0000 | 0.0000 | 80.989 | 0.14227 | 0.00000 | 602892.1 | 476731.7 | 0.0 | S |
| 192.825 | 0.0000 | 0.0000 | 80.989 | 0.14226 | 0.00000 | 602892.1 | 476736.0 | 0.0 | S |
| 192.833 | 0.0000 | 0.0000 | 80.989 | 0.14225 | 0.00000 | 602892.1 | 476740.3 | 0.0 | S |
| 192.842 | 0.0000 | 0.0000 | 80.989 | 0.14225 | 0.00000 | 602892.1 | 476744.5 | 0.0 | S |
| 192.850 | 0.0000 | 0.0000 | 80.989 | 0.14224 | 0.00000 | 602892.1 | 476748.8 | 0.0 | S |
| 192.858 | 0.0000 | 0.0000 | 80.989 | 0.14223 | 0.00000 | 602892.1 | 476753.1 | 0.0 | S |
| 192.867 | 0.0000 | 0.0000 | 80.989 | 0.14223 | 0.00000 | 602892.1 | 476757.3 | 0.0 | S |
| 192.875 | 0.0000 | 0.0000 | 80.989 | 0.14222 | 0.00000 | 602892.1 | 476761.6 | 0.0 | S |
| 192.883 | 0.0000 | 0.0000 | 80.988 | 0.14221 | 0.00000 | 602892.1 | 476765.8 | 0.0 | S |
| 192.892 | 0.0000 | 0.0000 | 80.988 | 0.14221 | 0.00000 | 602892.1 | 476770.1 | 0.0 | S |
| 192.900 | 0.0000 | 0.0000 | 80.988 | 0.14220 | 0.00000 | 602892.1 | 476774.4 | 0.0 | S |
| 192.908 | 0.0000 | 0.0000 | 80.988 | 0.14219 | 0.00000 | 602892.1 | 476778.7 | 0.0 | S |
| 192.917 | 0.0000 | 0.0000 | 80.988 | 0.14219 | 0.00000 | 602892.1 | 476782.9 | 0.0 | S |
| 192.925 | 0.0000 | 0.0000 | 80.988 | 0.14218 | 0.00000 | 602892.1 | 476787.2 | 0.0 | S |
| 192.933 | 0.0000 | 0.0000 | 80.988 | 0.14217 | 0.00000 | 602892.1 | 476791.4 | 0.0 | S |
| 192.942 | 0.0000 | 0.0000 | 80.988 | 0.14217 | 0.00000 | 602892.1 | 476795.7 | 0.0 | S |
| 192.950 | 0.0000 | 0.0000 | 80.988 | 0.14216 | 0.00000 | 602892.1 | 476800.0 | 0.0 | S |
| 192.958 | 0.0000 | 0.0000 | 80.988 | 0.14215 | 0.00000 | 602892.1 | 476804.3 | 0.0 | S |
| 192.967 | 0.0000 | 0.0000 | 80.988 | 0.14215 | 0.00000 | 602892.1 | 476808.5 | 0.0 | S |
| 192.975 | 0.0000 | 0.0000 | 80.988 | 0.14214 | 0.00000 | 602892.1 | 476812.8 | 0.0 | S |
| 192.983 | 0.0000 | 0.0000 | 80.988 | 0.14213 | 0.00000 | 602892.1 | 476817.0 | 0.0 | S |
| 192.992 | 0.0000 | 0.0000 | 80.987 | 0.14213 | 0.00000 | 602892.1 | 476821.3 | 0.0 | S |
| 193.000 | 0.0000 | 0.0000 | 80.987 | 0.14212 | 0.00000 | 602892.1 | 476825.6 | 0.0 | S |
| 193.008 | 0.0000 | 0.0000 | 80.987 | 0.14211 | 0.00000 | 602892.1 | 476829.8 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | \{nflow Rate ( $\mathrm{ft}^{3 /} / \mathrm{s}$ ) | Outside Recharge (fU/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{fl}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 193.017 | 0.0000 | 0.0000 | 80.987 | 0.14211 | 0.00000 | 602892.1 | 476834.1 | 0.0 | S |
| 193.025 | 0.0000 | 0.0000 | 80.987 | 0.14210 | 0.00000 | 602892.1 | 476838.3 | 0.0 | S |
| 193.033 | 0.0000 | 0.0000 | 80.987 | 0.14209 | 0.00000 | 602892.1 | 476842.6 | 0.0 | S |
| 193.042 | 0.0000 | 0.0000 | 80.987 | 0.14209 | 0.00000 | 602892.1 | 476846.9 | 0.0 | S |
| 193.050 | 0.0000 | 0.0000 | 80.987 | 0.14208 | 0.00000 | 602892.1 | 476851.2 | 0.0 | S |
| 193.058 | 0.0000 | 0.0000 | 80.987 | 0.14207 | 0.00000 | 602892.1 | 476855.4 | 0.0 | S |
| 193.067 | 0.0000 | 0.0000 | 80.987 | 0.14207 | 0.00000 | 602892.1 | 476859.7 | 0.0 | S |
| 193.075 | 0.0000 | 0.0000 | 80.987 | 0.14206 | 0.00000 | 602892.1 | 476863.9 | 0.0 | S |
| 193.083 | 0.0000 | 0.0000 | 80.987 | 0.14205 | 0.00000 | 602892.1 | 476868.2 | 0.0 | S |
| 193.092 | 0.0000 | 0.0000 | 80.986 | 0.14205 | 0.00000 | 602892.1 | 476872.5 | 0.0 | S |
| 193.100 | 0.0000 | 0.0000 | 80.986 | 0.14204 | 0.00000 | 602892.1 | 476876.7 | 0.0 | S |
| 193.108 | 0.0000 | 0.0000 | 80.986 | 0.14203 | 0.00000 | 602892.1 | 476881.0 | 0.0 | S |
| 193.117 | 0.0000 | 0.0000 | 80.986 | 0.14203 | 0.00000 | 602892.1 | 476885.3 | 0.0 | S |
| 193.125 | 0.0000 | 0.0000 | 80.986 | 0.14202 | 0.00000 | 602892.1 | 476889.5 | 0.0 | S |
| 193.133 | 0.0000 | 0.0000 | 80.986 | 0.14201 | 0.00000 | 602892.1 | 476893.8 | 0.0 | S |
| 193.142 | 0.0000 | 0.0000 | 80.986 | 0.14201 | 0.00000 | 602892.1 | 476898.0 | 0.0 | S |
| 193.150 | 0.0000 | 0.0000 | 80.986 | 0.14200 | 0.00000 | 602892.1 | 476902.3 | 0.0 | S |
| 193.158 | 0.0000 | 0.0000 | 80.986 | 0.14200 | 0.00000 | 602892.1 | 476906.5 | 0.0 | S |
| 193.167 | 0.0000 | 0.0000 | 80.986 | 0.14199 | 0.00000 | 602892.1 | 476910.8 | 0.0 | S |
| 193.175 | 0.0000 | 0.0000 | 80.986 | 0.14198 | 0.00000 | 602892.1 | 476915.1 | 0.0 | S |
| 193.183 | 0.0000 | 0.0000 | 80.986 | 0.14198 | 0.00000 | 602892.1 | 476919.3 | 0.0 | S |
| 193.192 | 0.0000 | 0.0000 | 80.985 | 0.14197 | 0.00000 | 602892.1 | 476923.6 | 0.0 | S |
| 193.200 | 0.0000 | 0.0000 | 80.985 | 0.14196 | 0.00000 | 602892.1 | 476927.8 | 0.0 | S |
| 193.208 | 0.0000 | 0.0000 | 80.985 | 0.14196 | 0.00000 | 602892.1 | 476932.1 | 0.0 | S |
| 193.217 | 0.0000 | 0.0000 | 80.985 | 0.14195 | 0.00000 | 602892.1 | 476936.3 | 0.0 | S |
| 193.225 | 0.0000 | 0.0000 | 80.985 | 0.14194 | 0.00000 | 602892.1 | 476940.6 | 0.0 | S |
| 193.233 | 0.0000 | 0.0000 | 80.985 | 0.14194 | 0.00000 | 602892.1 | 476944.9 | 0.0 | S |
| 193.242 | 0.0000 | 0.0000 | 80.985 | 0.14193 | 0.00000 | 602892.1 | 476949.1 | 0.0 | S |
| 193.250 | 0.0000 | 0.0000 | 80.985 | 0.14192 | 0.00000 | 602892.1 | 476953.4 | 0.0 | S |
| 193.258 | 0.0000 | 0.0000 | 80.985 | 0.14192 | 0.00000 | 602892.1 | 476957.7 | 0.0 | S |
| 193.267 | 0.0000 | 0.0000 | 80.985 | 0.14191 | 0.00000 | 602892.1 | 476961.9 | 0.0 | S |
| 193.275 | 0.0000 | 0.0000 | 80.985 | 0.14190 | 0.00000 | 602892.1 | 476966.2 | 0.0 | S |
| 193.283 | 0.0000 | 0.0000 | 80.985 | 0.14190 | 0.00000 | 602892.1 | 476970.4 | 0.0 | S |
| 193.292 | 0.0000 | 0.0000 | 80.984 | 0.14189 | 0.00000 | 602892.1 | 476974.7 | 0.0 | S |
| 193.300 | 0.0000 | 0.0000 | 80.984 | 0.14188 | 0.00000 | 602892.1 | 476978.9 | 0.0 | S |
| 193.308 | 0.0000 | 0.0000 | 80.984 | 0.14188 | 0.00000 | 602892.1 | 476983.2 | 0.0 | S |
| 193.317 | 0.0000 | 0.0000 | 80.984 | 0.14187 | 0.00000 | 602892.1 | 476987.4 | 0.0 | S |
| 193.325 | 0.0000 | 0.0000 | 80.984 | 0.14186 | 0.00000 | 602892.1 | 476991.7 | 0.0 | S |
| 193.333 | 0.0000 | 0.0000 | 80.984 | 0.14186 | 0.00000 | 602892.1 | 476995.9 | 0.0 | S |
| 193.342 | 0.0000 | 0.0000 | 80.984 | 0.14185 | 0.00000 | 602892.1 | 477000.2 | 0.0 | S |
| 193.350 | 0.0000 | 0.0000 | 80.984 | 0.14184 | 0.00000 | 602892.1 | 477004.5 | 0.0 | S |
| 193.358 | 0.0000 | 0.0000 | 80.984 | 0.14184 | 0.00000 | 602892.1 | 477008.7 | 0.0 | S |
| 193.367 | 0.0000 | 0.0000 | 80.984 | 0.14183 | 0.00000 | 602892.1 | 477013.0 | 0.0 | S |
| 193.375 | 0.0000 | 0.0000 | 80.984 | 0.14182 | 0.00000 | 602892.1 | 477017.2 | 0.0 | S |
| 193.383 | 0.0000 | 0.0000 | 80.984 | 0.14182 | 0.00000 | 602892.1 | 477021.5 | 0.0 | S |
| 193.392 | 0.0000 | 0.0000 | 80.983 | 0.14181 | 0.00000 | 602892.1 | 477025.8 | 0.0 | S |
| 193.400 | 0.0000 | 0.0000 | 80.983 | 0.14180 | 0.00000 | 602892.1 | 477030.0 | 0.0 | S |
| 193.408 | 0.0000 | 0.0000 | 80.983 | 0.14180 | 0.00000 | 602892.1 | 477034.3 | 0.0 | S |
| 193.417 | 0.0000 | 0.0000 | 80.983 | 0.14179 | 0.00000 | 602892.4 | 477038.5 | 0.0 | S |
| 193.425 | 0.0000 | 0.0000 | 80.983 | 0.14178 | 0.00000 | 602892.1 | 477042.8 | 0.0 | S |
| 193.433 | 0.0000 | 0.0000 | 80.983 | 0.14178 | 0.00000 | 602892.1 | 477047.0 | 0.0 | S |
| 193.442 | 0.0000 | 0.0000 | 80.983 | 0.14177 | 0.00000 | 602892.1 | 477051.3 | 0.0 | S |
| 193.450 | 0.0000 | 0.0000 | 80.983 | 0.14176 | 0.00000 | 602892.1 | 477055.5 | 0.0 | S |
| 193.458 | 0.0000 | 0.0000 | 80.983 | 0.14176 | 0.00000 | 602892.1 | 477059.8 | 0.0 | S |
| 193.467 | 0.0000 | 0.0000 | 80.983 | 0.14175 | 0.00000 | 602892.1 | 477064.0 | 0.0 | S |
| 193.475 | 0.0000 | 0.0000 | 80.983 | 0.14174 | 0.00000 | 602892.1 | 477068.3 | 0.0 | S |
| 193.483 | 0.0000 | 0.0000 | 80.983 | 0.14174 | 0.00000 | 602892.1 | 477072.5 | 0.0 | S |
| 193.492 | 0.0000 | 0.0000 | 80.982 | 0.14173 | 0.00000 | 602892.1 | 477076.8 | 0.0 | S |
| 193.500 | 0.0000 | 0.0000 | 80.982 | 0.14172 | 0.00000 | 602892.1 | 477081.0 | 0.0 | S |
| 193.508 | 0.0000 | 0.0000 | 80.982 | 0.14172 | 0.00000 | 602892.1 | 477085.3 | 0.0 | S |
| 193.517 | 0.0000 | 0.0000 | 80.982 | 0.14171 | 0.00000 | 602892.1 | 477089.5 | 0.0 | S |
| 193.525 | 0.0000 | 0.0000 | 80.982 | 0.14170 | 0.00000 | 602892.1 | 477093.8 | 0.0 | S |
| 193.533 | 0.0000 | 0.0000 | 80.982 | 0.14170 | 0.00000 | 602892.1 | 477098.0 | 0.0 | S |
| 193.542 | 0.0000 | 0.0000 | 80.982 | 0.14169 | 0.00000 | 602892.1 | 477102.3 | 0.0 | S |
| 193.550 | 0.0000 | 0.0000 | 80.982 | 0.14168 | 0.00000 | 602892.1 | 477106.5 | 0.0 | S |
| 193.558 | 0.0000 | 0.0000 | 80.982 | 0.14168 | 0.00000 | 602892.1 | 477110.8 | 0.0 | S |
| 193.567 | 0.0000 | 0.0000 | 80.982 | 0.14167 | 0.00000 | 602892.1 | 477115.0 | 0.0 | S |
| 193.575 | 0.0000 | 0.0000 | 80.982 | 0.14166 | 0.00000 | 602892.1 | 477119.3 | 0.0 | S |
| 193.583 | 0.0000 | 0.0000 | 80.982 | 0.14166 | 0.00000 | 602892.1 | 477123.5 | 0.0 | S |
| 193.592 | 0.0000 | 0.0000 | 80.981 | 0.14165 | 0.00000 | 602892.1 | 477127.8 | 0.0 | S |
| 193.600 | 0.0000 | 0.0000 | 80.981 | 0.14164 | 0.00000 | 602892.1 | 477132.0 | 0.0 | S |
| 193.608 | 0.0000 | 0.0000 | 80.981 | 0.14164 | 0.00000 | 602892.1 | 477136.3 | 0.0 | S |
| 193.617 | 0.0000 | 0.0000 | 80.981 | 0.14163 | 0.00000 | 602892.1 | 477140.5 | 0.0 | S |
| 193.625 | 0.0000 | 0.0000 | 80.981 | 0.14162 | 0.00000 | 602892.1 | 477144.8 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $f^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 193.633 | 0.0000 | 0.0000 | 80.981 | 0.14162 | 0.00000 | 602892.1 | 477149.0 | 0.0 | S |
| 193.642 | 0.0000 | 0.0000 | 80.981 | 0.14164 | 0.00000 | 602892.1 | 477153.3 | 0.0 | S |
| 193.650 | 0.0000 | 0.0000 | 80.981 | 0.14160 | 0.00000 | 602892.1 | 477157.5 | 0.0 | S |
| 193.658 | 0.0000 | 0.0000 | 80.981 | 0.14160 | 0.00000 | 602892.1 | 477161.8 | 0.0 | S |
| 193.667 | 0.0000 | 0.0000 | 80.981 | 0.14159 | 0.00000 | 602892.1 | 477166.0 | 0.0 | S |
| 193.675 | 0.0000 | 0.0000 | 80.981 | 0.14158 | 0.00000 | 602892.1 | 477170.3 | 0.0 | S |
| 193.683 | 0.0000 | 0.0000 | 80.981 | 0.14158 | 0.00000 | 602892.1 | 477174.5 | 0.0 | S |
| 193.692 | 0.0000 | 0.0000 | 80.980 | 0.14157 | 0.00000 | 602892.1 | 477178.8 | 0.0 | S |
| 193.700 | 0.0000 | 0.0000 | 80.980 | 0.14156 | 0.00000 | 602892.1 | 477183.0 | 0.0 | S |
| 193.708 | 0.0000 | 0.0000 | 80.980 | 0.14156 | 0.00000 | 602892.1 | 477187.3 | 0.0 | S |
| 193.717 | 0.0000 | 0.0000 | 80.980 | 0.14155 | 0.00000 | 602892.1 | 477181.5 | 0.0 | S |
| 193.725 | 0.0000 | 0.0000 | 80.980 | 0.14154 | 0.00000 | 602892.1 | 477195.8 | 0.0 | S |
| 193.733 | 0.0000 | 0.0000 | 80.980 | 0.14154 | 0.00000 | 602892.1 | 477200.0 | 0.0 | S |
| 193.742 | 0.0000 | 0.0000 | 80.980 | 0.14153 | 0.00000 | 602892.1 | 477204.3 | 0.0 | S |
| 193.750 | 0.0000 | 0.0000 | 80.980 | 0.14153 | 0.00000 | 602892.1 | 477208.5 | 0.0 | S |
| 193.758 | 0.0000 | 0.0000 | 80.980 | $0.14 \uparrow 52$ | 0.00000 | 602892.1 | 477212.7 | 0.0 | S |
| 193.767 | 0.0000 | 0.0000 | 80.980 | 0.14151 | 0.00000 | 602892.1 | 477217.0 | 0.0 | S |
| 193.775 | 0.0000 | 0.0000 | 80.980 | 0.14151 | 0.00000 | 602892.1 | 477221.2 | 0.0 | 5 |
| 193.783 | 0.0000 | 0.0000 | 80.980 | 0.14150 | 0.00000 | 602892.1 | 477225.5 | 0.0 | S |
| 193.792 | 0.0000 | 0.0000 | 80.979 | 0.14149 | 0.00000 | 602892.1 | 477229.7 | 0.0 | S |
| 193.800 | 0.0000 | 0.0000 | 80.979 | 0.14149 | 0.00000 | 602892.1 | 477234.0 | 0.0 | S |
| 193.808 | 0.0000 | 0.0000 | 80.979 | 0.14148 | 0.00000 | 602892.1 | 477238.2 | 0.0 | S |
| 193.817 | 0.0000 | 0.0000 | 80.979 | 0.14147 | 0.00000 | 602892.1 | 477242.4 | 0.0 | S |
| 193.825 | 0.0000 | 0.0000 | 80.979 | 0.14147 | 0.00000 | 602892.1 | 477246.7 | 0.0 | S |
| 193.833 | 0.0000 | 0.0000 | 80.979 | 0.14146 | 0.00000 | 602892.1 | 477250.9 | 0.0 | S |
| 193.842 | 0.0000 | 0.0000 | 80.979 | 0.14145 | 0.00000 | 602892.1 | 477255.2 | 0.0 | S |
| 193.850 | 0.0000 | 0.0000 | 80.979 | 0.14145 | 0.00000 | 602892.1 | 477259.4 | 0.0 | S |
| 193.858 | 0.0000 | 0.0000 | 80.979 | 0.14144 | 0.00000 | 602892.1 | 477263.7 | 0.0 | S |
| 193.867 | 0.0000 | 0.0000 | 80.979 | 0.14143 | 0.00000 | 602892.1 | 477267.9 | 0.0 | S |
| 193.875 | 0.0000 | 0.0000 | 80.979 | 0.14143 | 0.00000 | 602892.1 | 477272.2 | 0.0 | S |
| 193.883 | 0.0000 | 0.0000 | 80.979 | 0.14142 | 0.00000 | 602892.1 | 477276.4 | 0.0 | S |
| 193.892 | 0.0000 | 0.0000 | 80.978 | 0.14141 | 0.00000 | 602892.1 | 477280.6 | 0.0 | S |
| 193.900 | 0.0000 | 0.0000 | 80.978 | 0.14141 | 0.00000 | 602892.1 | 477284.9 | 0.0 | S |
| 193.908 | 0.0000 | 0.0000 | 80.978 | 0.14140 | 0.00000 | 602892.1 | 477289.1 | 0.0 | S |
| 193.917 | 0.0000 | 0.0000 | 80.978 | 0.14139 | 0.00000 | 602892.1 | 477293.4 | 0.0 | S |
| 193.925 | 0.0000 | 0.0000 | 80.978 | 0.14139 | 0.00000 | 602892.1 | 477297.6 | 0.0 | S |
| 193.933 | 0.0000 | 0.0000 | 80.978 | 0.14138 | 0.00000 | 602892.1 | 477301.8 | 0.0 | S |
| 193.942 | 0.0000 | 0.0000 | 80.978 | 0.14137 | 0.00000 | 602892.1 | 477306.1 | 0.0 | S |
| 193.950 | 0.0000 | 0.0000 | 80.978 | 0.14137 | 0.00000 | 602892.1 | 477310.3 | 0.0 | S |
| 193.958 | 0.0000 | 0.0000 | 80.978 | 0.14136 | 0.00000 | 602892.1 | 477314.6 | 0.0 | S |
| 193.967 | 0.0000 | 0.0000 | 80.978 | 0.14135 | 0.00000 | 602892.1 | 477318.8 | 0.0 | S |
| 193.975 | 0.0000 | 0.0000 | 80.978 | 0.14135 | 0.00000 | 602892.1 | 477323.1 | 0.0 | S |
| 193.983 | 0.0000 | 0.0000 | 80.978 | 0.14134 | 0.00000 | 602892.1 | 477327.3 | 0.0 | S |
| 193.992 | 0.0000 | 0.0000 | 80.977 | 0.14133 | 0.00000 | 602892.1 | 477331.5 | 0.0 | S |
| 194.000 | 0.0000 | 0.0000 | 80.977 | 0.14133 | 0.00000 | 602892.1 | 477335.8 | 0.0 | S |
| 194.008 | 0.0000 | 0.0000 | 80.977 | 0.14132 | 0.00000 | 602892.1 | 477340.0 | 0.0 | S |
| 194.017 | 0.0000 | 0.0000 | 80.977 | 0.14131 | 0.00000 | 602892.1 | 477344.3 | 0.0 | S |
| 194.025 | 0.0000 | 0.0000 | 80.977 | 0.14131 | 0.00000 | 602892.1 | 477348.5 | 0.0 | S |
| 194.033 | 0.0000 | 0.0000 | 80.977 | 0.14130 | 0.00000 | 602892.1 | 477352.7 | 0.0 | S |
| 194.042 | 0.0000 | 0.0000 | 80.977 | 0.14129 | 0.00000 | 602892.1 | 477357.0 | 0.0 | 5 |
| 194.050 | 0.0000 | 0.0000 | 80.977 | 0.14129 | 0.00000 | 602892.1 | 477361.2 | 0.0 | S |
| 194.058 | 0.0000 | 0.0000 | 80.977 | 0.14128 | 0.00000 | 602892.1 | 477365.4 | 0.0 | S |
| 194.067 | 0.0000 | 0.0000 | 80.977 | 0.14127 | 0.00000 | 602892.1 | 477369.7 | 0.0 | S |
| 194.075 | 0.0000 | 0.0000 | 80.977 | 0.14127 | 0.00000 | 602892.1 | 477373.9 | 0.0 | S |
| 194.083 | 0.0000 | 0.0000 | 80.977 | 0.14126 | 0.00000 | 602892.1 | 477378.2 | 0.0 | S |
| 194.092 | 0.0000 | 0.0000 | 80.976 | 0.14125 | 0.00000 | 602892.1 | 477382.4 | 0.0 | S |
| 194.100 | 0.0000 | 0.0000 | 80.976 | 0.14125 | 0.00000 | 602892.1 | 477386.6 | 0.0 | S |
| 194.108 | 0.0000 | 0.0000 | 80.976 | 0.14124 | 0.00000 | 602892.1 | 477390.9 | 0.0 | S |
| 194.117 | 0.0000 | 0.0000 | 80.976 | 0.14124 | 0.00000 | 602892.1 | 477395.1 | 0.0 | S |
| 194.125 | 0.0000 | 0.0000 | 80.976 | 0.14123 | 0.00000 | 602892.1 | 477399.3 | 0.0 | S |
| 194.133 | 0.0000 | 0.0000 | 80.976 | 0.14122 | 0.00000 | 602892.1 | 477403.6 | 0.0 | S |
| 194.142 | 0.0000 | 0.0000 | 80.976 | 0.14122 | 0.00000 | 602892.1 | 477407.8 | 0.0 | S |
| 194.150 | 0.0000 | 0.0000 | 80.976 | 0.14121 | 0.00000 | 602892.1 | 477412.1 | 0.0 | S |
| 194.158 | 0.0000 | 0.0000 | 80.976 | 0.14120 | 0.00000 | 602892.1 | 477416.3 | 0.0 | S |
| 194.167 | 0.0000 | 0.0000 | 80.976 | 0.14120 | 0.00000 | 602892.1 | 477420.5 | 0.0 | S |
| 194.175 | 0.0000 | 0.0000 | 80.976 | 0.14119 | 0.00000 | 602892.1 | 477424.8 | 0.0 | S |
| 194.183 | 0.0000 | 0.0000 | 80.976 | 0.14118 | 0.00000 | 602892.1 | 477429.0 | 0.0 | S |
| 194.192 | 0.0000 | 0.0000 | 80.975 | 0.14118 | 0.00000 | 602892.1 | 477433.3 | 0.0 | S |
| 194.200 | 0.0000 | 0.0000 | 80.975 | 0.14117 | 0.00000 | 602892.1 | 477437.5 | 0.0 | S |
| 194.208 | 0.0000 | 0.0000 | 80.975 | 0.14116 | 0.00000 | 602892.1 | 477441.7 | 0.0 | S |
| 194.217 | 0.0000 | 0.0000 | 80.975 | 0.14116 | 0.00000 | 602892.1 | 477445.9 | 0.0 | S |
| 194.225 | 0.0000 | 0.0000 | 80.975 | 0.14115 | 0.00000 | 602892.1 | 477450.2 | 0.0 | S |
| 194.233 | 0.0000 | 0.0000 | 80.975 | 0.14114 | 0.00000 | 602892.1 | 477454.4 | 0.0 | S |
| 194.242 | 0.0000 | 0.0000 | 80.975 | 0.14114 | 0.00000 | 602892.1 | 477458.7 | 0.0 | S |

PONDS Version 3.2.0207

Detailed Results (cont,d.)
:: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | inflow <br> Rate <br> (ft3/s) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | $\begin{aligned} & \text { Cumulative } \\ & \text { inflow } \\ & \text { Volume }\left(\mathrm{ft}^{3}\right) \end{aligned}$ | Cumulative Infiltration Volume ( $\mathrm{ff}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 194.250 | 0.0000 | 0.0000 | 80.975 | 0.14113 | 0.00000 | 602892.1 | 477462.9 | 0.0 | S |
| 194.258 | 0.0000 | 0.0000 | 80.975 | 0.14112 | 0.00000 | 602892.1 | 477467.1 | 0.0 | S |
| 194.267 | 0.0000 | 0.0000 | 80.975 | 0.14112 | 0.00000 | 602892.1 | 477471.3 | 0.0 | S |
| 194.275 | 0.0000 | 0.0000 | 80.975 | 0.14111 | 0.00000 | 602892.1 | 477475.6 | 0.0 | S |
| 194.283 | 0.0000 | 0.0000 | 80.975 | 0.14110 | 0.00000 | 602892.1 | 477479.8 | 0.0 | S |
| 194.292 | 0.0000 | 0.0000 | 80.974 | 0.14110 | 0.00000 | 602892.1 | 477484.0 | 0.0 | S |
| 194.300 | 0.0000 | 0.0000 | 80.974 | 0.14109 | 0.00000 | 602892.1 | 477488.3 | 0.0 | S |
| 194.308 | 0.0000 | 0.0000 | 80.974 | 0.14108 | 0.00000 | 602892.1 | 477492.5 | 0.0 | S |
| 194.317 | 0.0000 | 0.0000 | 80.974 | 0.14108 | 0.00000 | 602892.1 | 477496.8 | 0.0 | S |
| 194.325 | 0.0000 | 0.0000 | 80.974 | 0.14107 | 0.00000 | 602892.1 | 477501.0 | 0.0 | S |
| 194.333 | 0.0000 | 0.0000 | 80.974 | 0.14106 | 0.00000 | 602892.1 | 477505.2 | 0.0 | S |
| 194.342 | 0.0000 | 0.0000 | 80.974 | 0.14106 | 0.00000 | 602892.1 | 477509.4 | 0.0 | S |
| 194.350 | 0.0000 | 0.0000 | 80.974 | 0.14105 | 0.00000 | 602892.1 | 477513.7 | 0.0 | S |
| 194.358 | 0.0000 | 0.0000 | 80.974 | 0.14104 | 0.00000 | 602892.1 | 477517.9 | 0.0 | S |
| 194.367 | 0.0000 | 0.0000 | 80.974 | 0.14104 | 0.00000 | 602892.1 | 477522.1 | 0.0 | S |
| 194.375 | 0.0000 | 0.0000 | 80.974 | 0.14103 | 0.00000 | 602892.1 | 477526.4 | 0.0 | S |
| 194.383 | 0.0000 | 0.0000 | 80.974 | 0.14103 | 0.00000 | 602892.1 | 477530.6 | 0.0 | S |
| 194.392 | 0.0000 | 0.0000 | 80.973 | 0.14102 | 0.00000 | 602892.1 | 477534.8 | 0.0 | S |
| 194.400 | 0.0000 | 0.0000 | 80.973 | 0.14101 | 0.00000 | 602892.1 | 477539.1 | 0.0 | S |
| 194.408 | 0.0000 | 0.0000 | 80.973 | 0.14101 | 0.00000 | 602892.1 | 477543.3 | 0.0 | S |
| 194.417 | 0.0000 | 0.0000 | 80.973 | 0.14100 | 0.00000 | 602892.1 | 477547.5 | 0.0 | S |
| 194.425 | 0.0000 | 0.0000 | 80.973 | 0.14099 | 0.00000 | 602892.1 | 477551.8 | 0.0 | S |
| 194.433 | 0.0000 | 0.0000 | 80.973 | 0.14099 | 0.00000 | 602892.1 | 477556.0 | 0.0 | S |
| 194.442 | 0.0000 | 0.0000 | 80.973 | 0.14098 | 0.00000 | 602892.1 | 477560.2 | 0.0 | S |
| 194.450 | 0.0000 | 0.0000 | 80.973 | 0.14097 | 0.00000 | 602892.1 | 477564.4 | 0.0 | S |
| 194.458 | 0.0000 | 0.0000 | 80.973 | 0.14097 | 0.00000 | 602892.1 | 477568.7 | 0.0 | S |
| 194.467 | 0.0000 | 0.0000 | 80.973 | 0.14096 | 0.00000 | 602892.1 | 477572.9 | 0.0 | S |
| 194.475 | 0.0000 | 0.0000 | 80.973 | 0.14095 | 0.00000 | 602892.1 | 477577.1 | 0.0 | S |
| 194.483 | 0.0000 | 0.0000 | 80.973 | 0.14095 | 0.00000 | 602892.1 | 477581.3 | 0.0 | S |
| 194.492 | 0.0000 | 0.0000 | 80.972 | 0.14094 | 0.00000 | 602892.1 | 477585.6 | 0.0 | S |
| 194.500 | 0.0000 | 0.0000 | 80.972 | 0.14093 | 0.00000 | 602892.1 | 477589.8 | 0.0 | S |
| 194.508 | 0.0000 | 0.0000 | 80.972 | 0.14093 | 0.00000 | 602892.1 | 477594.0 | 0.0 | S |
| 194.517 | 0.0000 | 0.0000 | 80.972 | 0.14092 | 0.00000 | 602892.1 | 477598.3 | 0.0 | S |
| 194.525 | 0.0000 | 0.0000 | 80.972 | 0.14091 | 0.00000 | 602892.1 | 477602.5 | 0.0 | S |
| 194.533 | 0.0000 | 0.0000 | 80.972 | 0.14091 | 0.00000 | 602892.1 | 477606.7 | 0.0 | S |
| 194.542 | 0.0000 | 0.0000 | 80.972 | 0.14090 | 0.00000 | 602892.1 | 477610.9 | 0.0 | S |
| 194.550 | 0.0000 | 0.0000 | 80.972 | 0.14089 | 0.00000 | 602892.1 | 477615.2 | 0.0 | S |
| 194.558 | 0.0000 | 0.0000 | 80.972 | 0.14089 | 0.00000 | 602892.1 | 477619.4 | 0.0 | S |
| 194.567 | 0.0000 | 0.0000 | 80.972 | 0.14088 | 0.00000 | 602892.1 | 477623.6 | 0.0 | S |
| 194.575 | 0.0000 | 0.0000 | 80.972 | 0.14087 | 0.00000 | 602892.1 | 477627.8 | 0.0 | S |
| 194.583 | 0.0000 | 0.0000 | 80.972 | 0.14087 | 0.00000 | 602892.1 | 477632.1 | 0.0 | S |
| 194.592 | 0.0000 | 0.0000 | 80.971 | 0.14086 | 0.00000 | 602892.1 | 477636.3 | 0.0 | S |
| 194.600 | 0.0000 | 0.0000 | 80.971 | 0.14085 | 0.00000 | 602892.1 | 477640.5 | 0.0 | S |
| 194.608 | 0.0000 | 0.0000 | 80.971 | 0.14085 | 0.00000 | 602892.1 | 477644.8 | 0.0 | S |
| 194.617 | 0.0000 | 0.0000 | 80.971 | 0.14084 | 0.00000 | 602892.1 | 477649.0 | 0.0 | S |
| 194.625 | 0.0000 | 0.0000 | 80.971 | 0.14084 | 0.00000 | 602892.1 | 477653.2 | 0.0 | S |
| 194.633 | 0.0000 | 0.0000 | 80.971 | 0.14083 | 0.00000 | 602892.1 | 477657.4 | 0.0 | S |
| 194.642 | 0.0000 | 0.0000 | 80.971 | 0.14082 | 0.00000 | 602892.1 | 477661.7 | 0.0 | S |
| 194.650 | 0.0000 | 0.0000 | 80.971 | 0.14082 | 0.00000 | 602892.1 | 477665.9 | 0.0 | S |
| 194.658 | 0.0000 | 0.0000 | 80.971 | 0.14081 | 0.00000 | 602892.1 | 477670.1 | 0.0 | S |
| 194.667 | 0.0000 | 0.0000 | 80.971 | 0.14080 | 0.00000 | 602892.1 | 477674.3 | 0.0 | S |
| 194.675 | 0.0000 | 0.0000 | 80.971 | 0.14080 | 0.00000 | 602892.1 | 477678.6 | 0.0 | S |
| 194.683 | 0.0000 | 0.0000 | 80.971 | 0.14079 | 0.00000 | 602892.1 | 477682.8 | 0.0 | S |
| 194.692 | 0.0000 | 0.0000 | 80.970 | 0.14078 | 0.00000 | 602892.1 | 477687.0 | 0.0 | S |
| 194.700 | 0.0000 | 0.0000 | 80.970 | 0.14078 | 0.00000 | 602892.1 | 477691.2 | 0.0 | S |
| 194.708 | 0.0000 | 0.0000 | 80.970 | 0.14077 | 0.00000 | 602892.1 | 477695.4 | 0.0 | S |
| 194.717 | 0.0000 | 0.0000 | 80.970 | 0.14076 | 0.00000 | 602892.1 | 477699.7 | 0.0 | S |
| 194.725 | 0.0000 | 0.0000 | 80.970 | 0.14076 | 0.00000 | 602892.1 | 477703.9 | 0.0 | S |
| 194.733 | 0.0000 | 0.0000 | 80.970 | 0.14075 | 0.00000 | 602892.1 | 477708.1 | 0.0 | S |
| 194.742 | 0.0000 | 0.0000 | 80.970 | 0.14074 | 0.00000 | 602892.1 | 477712.3 | 0.0 | S |
| 194.750 | 0.0000 | 0.0000 | 80.970 | 0.14074 | 0.00000 | 602892.1 | 477716.6 | 0.0 | S |
| 194.758 | 0.0000 | 0.0000 | 80.970 | 0.14073 | 0.00000 | 602892.1 | 477720.8 | 0.0 | S |
| 194.767 | 0.0000 | 0.0000 | 80.970 | 0.14072 | 0.00000 | 602892.1 | 477725.0 | 0.0 | S |
| 194.775 | 0.0000 | 0.0000 | 80.970 | 0.14072 | 0.00000 | 602892.1 | 477729.2 | 0.0 | S |
| 194.783 | 0.0000 | 0.0000 | 80.970 | 0.14071 | 0.00000 | 602892.1 | 477733.4 | 0.0 | S |
| 194.792 | 0.0000 | 0.0000 | 80.970 | 0.14070 | 0.00000 | 602892.1 | 477737.7 | 0.0 | S |
| 194.800 | 0.0000 | 0.0000 | 80.969 | 0.14070 | 0.00000 | 602892.1 | 477741.9 | 0.0 | S |
| 194.808 | 0.0000 | 0.0000 | 80.969 | 0.14069 | 0.00000 | 602892.1 | 477746.1 | 0.0 | S |
| 194.817 | 0.0000 | 0.0000 | 80.969 | 0.14068 | 0.00000 | 602892.1 | 477750.3 | 0.0 | S |
| 194.825 | 0.0000 | 0.0000 | 80.969 | 0.14068 | 0.00000 | 602892.1 | 477754.6 | 0.0 | S |
| 194.833 | 0.0000 | 0.0000 | 80.969 | 0.14067 | 0.00000 | 602892.1 | 477758.8 | 0.0 | S |
| 194.842 | 0.0000 | 0.0000 | 80.969 | 0.14067 | 0.00000 | 602892.1 | 477763.0 | 0.0 | S |
| 194.850 | 0.0000 | 0.0000 | 80.969 | 0.14066 | 0.00000 | 602892.1 | 477767.2 | 0.0 | S |
| 194.858 | 0.0000 | 0.0000 | 80.969 | 0.14065 | 0.00000 | 602892.1 | 477771.4 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate (fis/s) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Vofume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 194.867 | 0.0000 | 0.0000 | 80.969 | 0.14065 | 0.00000 | 602892.1 | 477775.7 | 0.0 | S |
| 194.875 | 0.0000 | 0.0000 | 80.969 | 0.14064 | 0.00000 | 602892.1 | 477779.9 | 0.0 | S |
| 194.883 | 0.0000 | 0.0000 | 80.969 | 0.14063 | 0.00000 | 602892.1 | 477784.1 | 0.0 | S |
| 194.892 | 0.0000 | 0.0000 | 80.969 | 0.14063 | 0.00000 | 602892.1 | 477788.3 | 0.0 | S |
| 194.900 | 0.0000 | 0.0000 | 80.968 | 0.14062 | 0.00000 | 602892.1 | 477792.5 | 0.0 | S |
| 194.908 | 0.0000 | 0.0000 | 80.968 | 0.14061 | 0.00000 | 602892.1 | 477796.8 | 0.0 | S |
| 194.917 | 0.0000 | 0.0000 | 80.968 | 0.14061 | 0.00000 | 602892.1 | 477801.0 | 0.0 | S |
| 194.925 | 0.0000 | 0.0000 | 80.968 | 0.14060 | 0.00000 | 602892.1 | 477805.2 | 0.0 | S |
| 194.933 | 0.0000 | 0.0000 | 80.968 | 0.14059 | 0.00000 | 602892.1 | 477809.4 | 0.0 | S |
| 194.942 | 0.0000 | 0.0000 | 80.968 | 0.14059 | 0.00000 | 602892.1 | 477813.6 | 0.0 | S |
| 194.950 | 0.0000 | 0.0000 | 80.968 | 0.14058 | 0.00000 | 602892.1 | 477817.8 | 0.0 | S |
| 194.958 | 0.0000 | 0.0000 | 80.968 | 0.14057 | 0.00000 | 602892.1 | 477822.1 | 0.0 | S |
| 194.967 | 0.0000 | 0.0000 | 80.968 | 0.14057 | 0.00000 | 602892.1 | 477826.3 | 0.0 | S |
| 194.975 | 0.0000 | 0.0000 | 80.968 | 0.14056 | 0.00000 | 602892.1 | 477830.5 | 0.0 | S |
| 194.983 | 0.0000 | 0.0000 | 80.968 | 0.14055 | 0.00000 | 602892.1 | 477834.7 | 0.0 | S |
| 194.992 | 0.0000 | 0.0000 | 80.968 | 0.14055 | 0.00000 | 602892.1 | 477838.9 | 0.0 | S |
| 195.000 | 0.0000 | 0.0000 | 80.967 | 0.14054 | 0.00000 | 602892.1 | 477843.1 | 0.0 | S |
| 195.008 | 0.0000 | 0.0000 | 80.967 | 0.14053 | 0.00000 | 602892.1 | 477847.3 | 0.0 | S |
| 195.017 | 0.0000 | 0.0000 | 80.967 | 0.14053 | 0.00000 | 602892.1 | 477851.6 | 0.0 | S |
| 195.025 | 0.0000 | 0.0000 | 80.967 | 0.14052 | 0.00000 | 602892.1 | 477855.8 | 0.0 | S |
| 195.033 | 0.0000 | 0.0000 | 80.967 | 0.14052 | 0.00000 | 602892.1 | 477860.0 | 0.0 | S |
| 195.042 | 0.0000 | 0.0000 | 80.967 | 0.14051 | 0.00000 | 602892.1 | 477864.2 | 0.0 | S |
| 195.050 | 0.0000 | 0.0000 | 80.967 | 0.14050 | 0.00000 | 602892.1 | 477868.4 | 0.0 | S |
| 195.058 | 0.0000 | 0.0000 | 80.967 | 0.14050 | 0.00000 | 602892.1 | 477872.7 | 0.0 | S |
| 195.067 | 0.0000 | 0.0000 | 80.967 | 0.14049 | 0.00000 | 602892.1 | 477876.8 | 0.0 | S |
| 195.075 | 0.0000 | 0.0000 | 80.967 | 0.14048 | 0.00000 | 602892.1 | 477881.1 | 0.0 | S |
| 195.083 | 0.0000 | 0.0000 | 80.967 | 0.14048 | 0.00000 | 602892.1 | 477885.3 | 0.0 | S |
| 195.092 | 0.0000 | 0.0000 | 80.967 | 0.14047 | 0.00000 | 602892.1 | 477889.5 | 0.0 | S |
| 195.100 | 0.0000 | 0.0000 | 80.966 | 0.14046 | 0.00000 | 602892.1 | 477893.7 | 0.0 | S |
| 195.108 | 0.0000 | 0.0000 | 80.966 | 0.14046 | 0.00000 | 602892.1 | 477897.9 | 0.0 | S |
| 195.117 | 0.0000 | 0.0000 | 80.966 | 0.14045 | 0.00000 | 602892.1 | 477902.1 | 0.0 | S |
| 195.125 | 0.0000 | 0.0000 | 80.966 | 0.14044 | 0.00000 | 602892.1 | 477906.3 | 0.0 | S |
| 195.133 | 0.0000 | 0.0000 | 80.966 | 0.14044 | 0.00000 | 602892.1 | 477910.6 | 0.0 | S |
| 195.142 | 0.0000 | 0.0000 | 80.966 | 0.14043 | 0.00000 | 602892.1 | 477914.8 | 0.0 | S |
| 195.150 | 0.0000 | 0.0000 | 80.966 | 0.14042 | 0.00000 | 602892.1 | 477919.0 | 0.0 | S |
| 195.158 | 0.0000 | 0.0000 | 80.966 | 0.14042 | 0.00000 | 602892.1 | 477923.2 | 0.0 | S |
| 195.167 | 0.0000 | 0.0000 | 80.966 | 0.14041 | 0.00000 | 602892.1 | 477927.4 | 0.0 | S |
| 195.175 | 0.0000 | 0.0000 | 80.966 | 0.14040 | 0.00000 | 602892.1 | 477931.6 | 0.0 | S |
| 195.183 | 0.0000 | 0.0000 | 80.966 | 0.14040 | 0.00000 | 602892.1 | 477935.8 | 0.0 | S |
| 195.192 | 0.0000 | 0.0000 | 80.966 | 0.14039 | 0.00000 | 602892.1 | 477940.1 | 0.0 | S |
| 195.200 | 0.0000 | 0.0000 | 80.965 | 0.14038 | 0.00000 | 602892.1 | 477944.3 | 0.0 | S |
| 195.208 | 0.0000 | 0.0000 | 80.965 | 0.14038 | 0.00000 | 602892.1 | 477948.5 | 0.0 | S |
| 195.217 | 0.0000 | 0.0000 | 80.965 | 0.14037 | 0.00000 | 602892.1 | 477952.7 | 0.0 | S |
| 195.225 | 0.0000 | 0.0000 | 80.965 | 0.14037 | 0.00000 | 602892.1 | 477956.9 | 0.0 | S |
| 195.233 | 0.0000 | 0.0000 | 80.965 | 0.14036 | 0.00000 | 602892.1 | 477961.1 | 0.0 | S |
| 195.242 | 0.0000 | 0.0000 | 80.965 | 0.14035 | 0.00000 | 602892.1 | 477965.3 | 0.0 | S |
| 195.250 | 0.0000 | 0.0000 | 80.965 | 0.14035 | 0.00000 | 602892.1 | 477969.5 | 0.0 | S |
| 195.258 | 0.0000 | 0.0000 | 80.965 | 0.14034 | 0.00000 | 602892.1 | 477973.8 | 0.0 | S |
| 195.267 | 0.0000 | 0.0000 | 80.965 | 0.14033 | 0.00000 | 602892.1 | 477977.9 | 0.0 | S |
| 195.275 | 0.0000 | 0.0000 | 80.965 | 0.14033 | 0.00000 | 602892.1 | 477982.2 | 0.0 | S |
| 195.283 | 0.0000 | 0.0000 | 80.965 | 0.14032 | 0.00000 | 602892.1 | 477986.4 | 0.0 | S |
| 195.292 | 0.0000 | 0.0000 | 80.965 | 0.14031 | 0.00000 | 602892.1 | 477990.6 | 0.0 | S |
| 195.300 | 0.0000 | 0.0000 | 80.964 | 0.14031 | 0.00000 | 602892.1 | 477994.8 | 0.0 | S |
| 195.308 | 0.0000 | 0.0000 | 80.964 | 0.14030 | 0.00000 | 602892.1 | 477999.0 | 0.0 | S |
| 195.317 | 0.0000 | 0.0000 | 80.964 | 0.14029 | 0.00000 | 602892.1 | 478003.2 | 0.0 | S |
| 195.325 | 0.0000 | 0.0000 | 80.964 | 0.14029 | 0.00000 | 602892.1 | 478007.4 | 0.0 | S |
| 195.333 | 0.0000 | 0.0000 | 80.964 | 0.14028 | 0.00000 | 602892.1 | 478011.6 | 0.0 | S |
| 195.342 | 0.0000 | 0.0000 | 80.964 | 0.14027 | 0.00000 | 602892.1 | 478015.8 | 0.0 | S |
| 195.350 | 0.0000 | 0.0000 | 80.964 | 0.14027 | 0.00000 | 602892.1 | 478020.0 | 0.0 | S |
| 195.358 | 0.0000 | 0.0000 | 80.964 | 0.14026 | 0.00000 | 602892.1 | 478024.3 | 0.0 | S |
| 195.367 | 0.0000 | 0.0000 | 80.964 | 0.14025 | 0.00000 | 602892.1 | 478028.5 | 0.0 | S |
| 195.375 | 0.0000 | 0.0000 | 80.964 | 0.14025 | 0.00000 | 602892.1 | 478032.7 | 0.0 | S |
| 195.383 | 0.0000 | 0.0000 | 80.964 | 0.14024 | 0.00000 | 602892.1 | 478036.9 | 0.0 | S |
| 195.392 | 0.0000 | 0.0000 | 80.964 | 0.14024 | 0.00000 | 602892.1 | 478041.1 | 0.0 | S |
| 195.400 | 0.0000 | 0.0000 | 80.963 | 0.14023 | 0.00000 | 602892.1 | 478045.3 | 0.0 | S |
| 195.408 | 0.0000 | 0.0000 | 80.963 | 0.14022 | 0.00000 | 602892.1 | 478049.5 | 0.0 | S |
| 195.417 | 0.0000 | 0.0000 | 80.963 | 0.14022 | 0.00000 | 602892.1 | 478053.7 | 0.0 | S |
| 195.425 | 0.0000 | 0.0000 | 80.963 | 0.14021 | 0.00000 | 602892.1 | 478057.9 | 0.0 | S |
| 195.433 | 0.0000 | 0.0000 | 80.963 | 0.14020 | 0.00000 | 602892.1 | 478062.1 | 0.0 | S |
| 195.442 | 0.0000 | 0.0000 | 80.963 | 0.14020 | 0.00000 | 602892.1 | 478066.3 | 0.0 | S |
| 195.450 | 0.0000 | 0.0000 | 80.963 | 0.14019 | 0.00000 | 602892.1 | 478070.5 | 0.0 | S |
| 195.458 | 0.0000 | 0.0000 | 80.963 | 0.14018 | 0.00000 | 602892.1 | 478074.7 | 0.0 | S |
| 195.467 | 0.0000 | 0.0000 | 80.963 | 0.14018 | 0.00000 | 602892.1 | 478078.9 | 0.0 | S |
| 195.475 | 0.0000 | 0.0000 | 80.963 | 0.14017 | 0.00000 | 602892.1 | 478083.1 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Outside Recharge (fl/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overfow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{t}^{3}$ ) | Cumulative Infiltration Volume $\left(\mathrm{ft}^{3}\right)$ | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 195.483 | 0.0000 | 0.0000 | 80.963 | 0.14016 | 0.00000 | 602892.1 | 478087.3 | 0.0 | S |
| 195.492 | 0.0000 | 0.0000 | 80.963 | 0.14016 | 0.00000 | 602892.1 | 478091.6 | 0.0 | S |
| 195.500 | 0.0000 | 0.0000 | 80.962 | 0.14015 | 0.00000 | 602892.1 | 478095.8 | 0.0 | S |
| 195.508 | 0.0000 | 0.0000 | 80.962 | 0.14014 | 0.00000 | 602892.1 | 478100.0 | 0.0 | S |
| 195.517 | 0.0000 | 0.0000 | 80.962 | 0.14014 | 0.00000 | 602892.1 | 478104.2 | 0.0 | S |
| 195.525 | 0.0000 | 0.0000 | 80.962 | 0.14013 | 0.00000 | 602892.1 | 478108.4 | 0.0 | S |
| 195.533 | 0.0000 | 0.0000 | 80.962 | 0.14013 | 0.00000 | 602892.1 | 478112.6 | 0.0 | S |
| 195.542 | 0.0000 | 0.0000 | 80.962 | 0.14012 | 0.00000 | 602892.1 | 478116.8 | 0.0 | S |
| 195.550 | 0.0000 | 0.0000 | 80.962 | 0.14011 | 0.00000 | 602892.1 | 478121.0 | 0.0 | S |
| 195.558 | 0.0000 | 0.0000 | 80.962 | 0.14011 | 0.00000 | 602892.1 | 478125.2 | 0.0 | S |
| 195.567 | 0.0000 | 0.0000 | 80.962 | 0.14010 | 0.00000 | 602892.1 | 478129.4 | 0.0 | S |
| 195.575 | 0.0000 | 0.0000 | 80.962 | 0.14009 | 0.00000 | 602892.1 | 478133.6 | 0.0 | S |
| 195.583 | 0.0000 | 0.0000 | 80.962 | 0.14009 | 0.00000 | 602892.1 | 478137.8 | 0.0 | S |
| 195.592 | 0.0000 | 0.0000 | 80.962 | 0.14008 | 0.00000 | 602892.1 | 478142.0 | 0.0 | S |
| 195.600 | 0.0000 | 0.0000 | 80.961 | 0.14007 | 0.00000 | 602892.1 | 478146.2 | 0.0 | S |
| 195.608 | 0.0000 | 0.0000 | 80.961 | 0.14007 | 0.00000 | 602892.1 | 478150.4 | 0.0 | S |
| 195.617 | 0.0000 | 0.0000 | 80.961 | 0.14006 | 0.00000 | 602892.1 | 478154.6 | 0.0 | S |
| 195.625 | 0.0000 | 0.0000 | 80.961 | 0.14005 | 0.00000 | 602892.1 | 478158.8 | 0.0 | S |
| 195.633 | 0.0000 | 0.0000 | 80.961 | 0.14005 | 0.00000 | 602892.1 | 478163.0 | 0.0 | S |
| 195.642 | 0.0000 | 0.0000 | 80.961 | 0.14004 | 0.00000 | 602892.1 | 478167.2 | 0.0 | S |
| 195.650 | 0.0000 | 0.0000 | 80.961 | 0.14003 | 0.00000 | 602892.1 | 478171.4 | 0.0 | S |
| 195.658 | 0.0000 | 0.0000 | 80.961 | 0.14003 | 0.00000 | 602892.1 | 478175.6 | 0.0 | S |
| 195.667 | 0.0000 | 0.0000 | 80.961 | 0.14002 | 0.00000 | 602892.1 | 478179.8 | 0.0 | S |
| 195.675 | 0.0000 | 0.0000 | 80.961 | 0.14001 | 0.00000 | 602892.1 | 478184.0 | 0.0 | S |
| 195.683 | 0.0000 | 0.0000 | 80.961 | 0.14001 | 0.00000 | 602892.1 | 478188.2 | 0.0 | S |
| 195.692 | 0.0000 | 0.0000 | 80.961 | 0.14000 | 0.00000 | 602892.1 | 478192.4 | 0.0 | S |
| 195.700 | 0.0000 | 0.0000 | 80.961 | 0.14000 | 0.00000 | 602892.1 | 478196.6 | 0.0 | S |
| 195.708 | 0.0000 | 0.0000 | 80.960 | 0.13999 | 0.00000 | 602892.1 | 478200.8 | 0.0 | S |
| 195.717 | 0.0000 | 0.0000 | 80.960 | 0.13998 | 0.00000 | 602892.1 | 478205.0 | 0.0 | S |
| 195.725 | 0.0000 | 0.0000 | 80.960 | 0.13998 | 0.00000 | 602892.1 | 478209.2 | 0.0 | S |
| 195.733 | 0.0000 | 0.0000 | 80.960 | 0.13997 | 0.00000 | 602892.1 | 478213.4 | 0.0 | S |
| 195.742 | 0.0000 | 0.0000 | 80.960 | 0.13996 | 0.00000 | 602892.1 | 478217.6 | 0.0 | S |
| 195.750 | 0.0000 | 0.0000 | 80.960 | 0.13996 | 0.00000 | 602892.1 | 478221.8 | 0.0 | S |
| 195.758 | 0.0000 | 0.0000 | 80.960 | 0.13995 | 0.00000 | 602892.1 | 478226.0 | 0.0 | S |
| 195.767 | 0.0000 | 0.0000 | 80.960 | 0.13994 | 0.00000 | 602892.1 | 478230.2 | 0.0 | S |
| 195.775 | 0.0000 | 0.0000 | 80.960 | 0.13994 | 0.00000 | 602892.1 | 478234.4 | 0.0 | S |
| 195.783 | 0.0000 | 0.0000 | 80.960 | 0.13993 | 0.00000 | 602892.1 | 478238.6 | 0.0 | S |
| 195.792 | 0.0000 | 0.0000 | 80.960 | 0.13992 | 0.00000 | 602892.1 | 478242.8 | 0.0 | S |
| 195.800 | 0.0000 | 0.0000 | 80.960 | 0.13992 | 0.00000 | 602892.1 | 478247.0 | 0.0 | S |
| 195.808 | 0.0000 | 0.0000 | 80.959 | 0.13991 | 0.00000 | 602892.1 | 478251.2 | 0.0 | S |
| 195.817 | 0.0000 | 0.0000 | 80.959 | 0.13990 | 0.00000 | 602892.1 | 478255.4 | 0.0 | S |
| 195.825 | 0.0000 | 0.0000 | 80.959 | 0.13990 | 0.00000 | 602892.1 | 478259.6 | 0.0 | S |
| 195.833 | 0.0000 | 0.0000 | 80.959 | 0.13989 | 0.00000 | 602892.1 | 478263.8 | 0.0 | S |
| 195.842 | 0.0000 | 0.0000 | 80.959 | 0.13989 | 0.00000 | 602892.1 | 478268.0 | 0.0 | S |
| 195.850 | 0.0000 | 0.0000 | 80.959 | 0.13988 | 0.00000 | 602892.1 | 478272.2 | 0.0 | S |
| 195.858 | 0.0000 | 0.0000 | 80.959 | 0.13987 | 0.00000 | 602892.1 | 478276.4 | 0.0 | S |
| 195.867 | 0.0000 | 0.0000 | 80.959 | 0.13987 | 0.00000 | 602892.1 | 478280.6 | 0.0 | S |
| 195.875 | 0.0000 | 0.0000 | 80.959 | 0.13986 | 0.00000 | 602892.1 | 478284.8 | 0.0 | S |
| 195.883 | 0.0000 | 0.0000 | 80.959 | 0.13985 | 0.00000 | 602892.1 | 478289.0 | 0.0 | S |
| 195.892 | 0.0000 | 0.0000 | 80.959 | 0.13985 | 0.00000 | 602892.1 | 478293.2 | 0.0 | S |
| 195.900 | 0.0000 | 0.0000 | 80.959 | 0.13984 | 0.00000 | 602892.1 | 478297.3 | 0.0 | S |
| 195.908 | 0.0000 | 0.0000 | 80.958 | 0.13983 | 0.00000 | 602892.1 | 478301.5 | 0.0 | S |
| 195.917 | 0.0000 | 0.0000 | 80.958 | 0.13983 | 0.00000 | 602892.1 | 478305.8 | 0.0 | S |
| 195.925 | 0.0000 | 0.0000 | 80.958 | 0.13982 | 0.00000 | 602892.1 | 478309.9 | 0.0 | S |
| 195.933 | 0.0000 | 0.0000 | 80.958 | 0.13981 | 0.00000 | 602892.1 | 478314.1 | 0.0 | S |
| 195.942 | 0.0000 | 0.0000 | 80.958 | 0.13981 | 0.00000 | 602892.1 | 478318.3 | 0.0 | S |
| 195.950 | 0.0000 | 0.0000 | 80.958 | 0.13980 | 0.00000 | 602892.1 | 478322.5 | 0.0 | S |
| 195.958 | 0.0000 | 0.0000 | 80.958 | 0.13979 | 0.00000 | 602892.1 | 478326.7 | 0.0 | S |
| 195.967 | 0.0000 | 0.0000 | 80.958 | 0.13979 | 0.00000 | 602892.1 | 478330.9 | 0.0 | S |
| 195.975 | 0.0000 | 0.0000 | 80.958 | 0.13978 | 0.00000 | 602892.1 | 478335.1 | 0.0 | S |
| 195.983 | 0.0000 | 0.0000 | 80.958 | 0.13978 | 0.00000 | 602892.1 | 478339.3 | 0.0 | S |
| 195.992 | 0.0000 | 0.0000 | 80.958 | 0.13977 | 0.00000 | 602892.1 | 478343.5 | 0.0 | S |
| 196.000 | 0.0000 | 0.0000 | 80.958 | 0.13976 | 0.00000 | 602892.1 | 478347.7 | 0.0 | S |
| 196.008 | 0.0000 | 0.0000 | 80.957 | 0.13976 | 0.00000 | 602892.1 | 478351.9 | 0.0 | S |
| 196.017 | 0.0000 | 0.0000 | 80.957 | 0.13975 | 0.00000 | 602892.1 | 478356.1 | 0.0 | S |
| 196.025 | 0.0000 | 0.0000 | 80.957 | 0.13974 | 0.00000 | 602892.1 | 478360.3 | 0.0 | S |
| 196.033 | 0.0000 | 0.0000 | 80.957 | 0.13974 | 0.00000 | 602892.1 | 478364.4 | 0.0 | S |
| 196.042 | 0.0000 | 0.0000 | 80.957 | 0.13973 | 0.00000 | 602892.1 | 478368.6 | 0.0 | S |
| 196.050 | 0.0000 | 0.0000 | 80.957 | 0.13972 | 0.00000 | 602892.1 | 478372.8 | 0.0 | S |
| 196.058 | 0.0000 | 0.0000 | 80.957 | 0.13972 | 0.00000 | 602892.1 | 478377.0 | 0.0 | S |
| 196.067 | 0.0000 | 0.0000 | 80.957 | 0.13971 | 0.00000 | 602892.1 | 478381.2 | 0.0 | S |
| 196.075 | 0.0000 | 0.0000 | 80.957 | 0.13970 | 0.00000 | 602892.1 | 478385.4 | 0.0 | S |
| 196.083 | 0.0000 | 0.0000 | 80.957 | 0.13970 | 0.00000 | 602892.1 | 478389.6 | 0.0 | S |
| 196.092 | 0.0000 | 0.0000 | 80.957 | 0.13969 | 0.00000 | 602892.1 | 478393.8 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (fidday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{t}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{t}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 196.100 | 0.0000 | 0.0000 | 80.957 | 0.13969 | 0.00000 | 602892.1 | 478398.0 | 0.0 | S |
| 196.108 | 0.0000 | 0.0000 | 80.956 | 0.13968 | 0.00000 | 602892.1 | 478402.2 | 0.0 | S |
| 196.117 | 0.0000 | 0.0000 | 80.956 | 0.13967 | 0.00000 | 602892.1 | 478406.3 | 0.0 | S |
| 196.125 | 0.0000 | 0.0000 | 80.956 | 0.13967 | 0.00000 | 602892.1 | 478410.6 | 0.0 | S |
| 196.133 | 0.0000 | 0.0000 | 80.956 | 0.13966 | 0.00000 | 602892.1 | 478414.8 | 0.0 | S |
| 196.142 | 0.0000 | 0.0000 | 80.956 | 0.13965 | 0.00000 | 602892.1 | 478418.9 | 0.0 | S |
| 196.150 | 0.0000 | 0.0000 | 80.956 | 0.13965 | 0.00000 | 602892.1 | 478423.1 | 0.0 | S |
| 196.158 | 0.0000 | 0.0000 | 80.956 | 0.13964 | 0.00000 | 602892.1 | 478427.3 | 0.0 | S |
| 196.167 | 0.0000 | 0.0000 | 80.956 | 0.13963 | 0.00000 | 602892.1 | 478431.5 | 0.0 | S |
| 196.175 | 0.0000 | 0.0000 | 80.956 | 0.13963 | 0.00000 | 602892.1 | 478435.7 | 0.0 | S |
| 196.183 | 0.0000 | 0.0000 | 80.956 | 0.13962 | 0.00000 | 602892.1 | 478439.9 | 0.0 | S |
| 196.192 | 0.0000 | 0.0000 | 80.956 | 0.13961 | 0.00000 | 602892.1 | 478444.1 | 0.0 | S |
| 196.200 | 0.0000 | 0.0000 | 80.956 | 0.13961 | 0.00000 | 602892.1 | 478448.3 | 0.0 | S |
| 196.208 | 0.0000 | 0.0000 | 80.956 | 0.13960 | 0.00000 | 602892.1 | 478452.4 | 0.0 | S |
| 196.217 | 0.0000 | 0.0000 | 80.955 | 0.13959 | 0.00000 | 602892.1 | 478456.6 | 0.0 | S |
| 196.225 | 0.0000 | 0.0000 | 80.955 | 0.13959 | 0.00000 | 602892.1 | 478460.8 | 0.0 | S |
| 196.233 | 0.0000 | 0.0000 | 80.955 | 0.13958 | 0.00000 | 602892.1 | 478465.0 | 0.0 | S |
| 196.242 | 0.0000 | 0.0000 | 80.955 | 0.13958 | 0.00000 | 602892.1 | 478469.2 | 0.0 | S |
| 196.250 | 0.0000 | 0.0000 | 80.955 | 0.13957 | 0.00000 | 602892.1 | 478473.4 | 0.0 | S |
| 196.258 | 0.0000 | 0.0000 | 80.955 | 0.13956 | 0.00000 | 602892.1 | 478477.6 | 0.0 | S |
| 196.267 | 0.0000 | 0.0000 | 80.955 | 0.13956 | 0.00000 | 602892.1 | 478481.8 | 0.0 | S |
| 196.275 | 0.0000 | 0.0000 | 80.955 | 0.13955 | 0.00000 | 602892.1 | 478485.9 | 0.0 | S |
| 196.283 | 0.0000 | 0.0000 | 80.955 | 0.13954 | 0.00000 | 602892.1 | 478490.1 | 0.0 | S |
| 196.292 | 0.0000 | 0.0000 | 80.955 | 0.13954 | 0.00000 | 602892.1 | 478494.3 | 0.0 | S |
| 196.300 | 0.0000 | 0.0000 | 80.955 | 0.13953 | 0.00000 | 602892.1 | 478498.5 | 0.0 | S |
| 196.308 | 0.0000 | 0.0000 | 80.955 | 0.13952 | 0.00000 | 602892.1 | 478502.7 | 0.0 | S |
| 196.317 | 0.0000 | 0.0000 | 80.954 | 0.13952 | 0.00000 | 602892.1 | 478506.9 | 0.0 | S |
| 196.325 | 0.0000 | 0.0000 | 80.954 | 0.13951 | 0.00000 | 602892.1 | 478511.1 | 0.0 | S |
| 196.333 | 0.0000 | 0.0000 | 80.954 | 0.13950 | 0.00000 | 602892.1 | 478515.3 | 0.0 | S |
| 196.342 | 0.0000 | 0.0000 | 80.954 | 0.13950 | 0.00000 | 602892.1 | 478519.4 | 0.0 | S |
| 196.350 | 0.0000 | 0.0000 | 80.954 | 0.13949 | 0.00000 | 602892.1 | 478523.6 | 0.0 | S |
| 196.358 | 0.0000 | 0.0000 | 80.954 | 0.13949 | 0.00000 | 602892.1 | 478527.8 | 0.0 | S |
| 196.367 | 0.0000 | 0.0000 | 80.954 | 0.13948 | 0.00000 | 602892.1 | 478532.0 | 0.0 | S |
| 196.375 | 0.0000 | 0.0000 | 80.954 | 0.13947 | 0.00000 | 602892.1 | 478536.2 | 0.0 | S |
| 196.383 | 0.0000 | 0.0000 | 80.954 | 0.13947 | 0.00000 | 602892.1 | 478540.3 | 0.0 | S |
| 196.392 | 0.0000 | 0.0000 | 80.954 | 0.13946 | 0.00000 | 602892.1 | 478544.5 | 0.0 | S |
| 196.400 | 0.0000 | 0.0000 | 80.954 | 0.13945 | 0.00000 | 602892.1 | 478548.7 | 0.0 | S |
| 196.408 | 0.0000 | 0.0000 | 80.954 | 0.13945 | 0.00000 | 602892.1 | 478552.9 | 0.0 | S |
| 196.417 | 0.0000 | 0.0000 | 80.953 | 0.13944 | 0.00000 | 602892.1 | 478557.1 | 0.0 | S |
| 196.425 | 0.0000 | 0.0000 | 80.953 | 0.13943 | 0.00000 | 602892.1 | 478561.3 | 0.0 | S |
| 196.433 | 0.0000 | 0.0000 | 80.953 | 0.13943 | 0.00000 | 602892.1 | 478565.4 | 0.0 | S |
| 196.442 | 0.0000 | 0.0000 | 80.953 | 0.13942 | 0.00000 | 602892.1 | 478569.6 | 0.0 | S |
| 196.450 | 0.0000 | 0.0000 | 80.953 | 0.13941 | 0.00000 | 602892.1 | 478573.8 | 0.0 | S |
| 196.458 | 0.0000 | 0.0000 | 80.953 | 0.13941 | 0.00000 | 602892.1 | 478578.0 | 0.0 | S |
| 196.467 | 0.0000 | 0.0000 | 80.953 | 0.13940 | 0.00000 | 602892.1 | 478582.2 | 0.0 | S |
| 196.475 | 0.0000 | 0.0000 | 80.953 | 0.13940 | 0.00000 | 602892.1 | 478586.3 | 0.0 | S |
| 196.483 | 0.0000 | 0.0000 | 80.953 | 0.13939 | 0.00000 | 602892.1 | 478590.5 | 0.0 | S |
| 196.492 | 0.0000 | 0.0000 | 80.953 | 0.13938 | 0.00000 | 602892.1 | 478594.7 | 0.0 | S |
| 196.500 | 0.0000 | 0.0000 | 80.953 | 0.13938 | 0.00000 | 602892.1 | 478598.9 | 0.0 | S |
| 196.508 | 0.0000 | 0.0000 | 80.953 | 0.13937 | 0.00000 | 602892.1 | 478603.1 | 0.0 | S |
| 196.517 | 0.0000 | 0.0000 | 80.952 | 0.13936 | 0.00000 | 602892.1 | 478607.3 | 0.0 | S |
| 196.525 | 0.0000 | 0.0000 | 80.952 | 0.13936 | 0.00000 | 602892.1 | 478611.4 | 0.0 | S |
| 196.533 | 0.0000 | 0.0000 | 80.952 | 0.13935 | 0.00000 | 602892.1 | 478615.6 | 0.0 | S |
| 196.542 | 0.0000 | 0.0000 | 80.952 | 0.13934 | 0.00000 | 602892.1 | 478619.8 | 0.0 | S |
| 196.550 | 0.0000 | 0.0000 | 80.952 | 0.13934 | 0.00000 | 602892.1 | 478624.0 | 0.0 | S |
| 196.558 | 0.0000 | 0.0000 | 80.952 | 0.13933 | 0.00000 | 602892.1 | 478628.2 | 0.0 | S |
| 196.567 | 0.0000 | 0.0000 | 80.952 | 0.13932 | 0.00000 | 602892.1 | 478632.3 | 0.0 | S |
| 196.575 | 0.0000 | 0.0000 | 80.952 | 0.13932 | 0.00000 | 602892.1 | 478636.5 | 0.0 | S |
| 196.583 | 0.0000 | 0.0000 | 80.952 | 0.13931 | 0.00000 | 602892.1 | 478640.7 | 0.0 | S |
| 196.592 | 0.0000 | 0.0000 | 80.952 | 0.13931 | 0.00000 | 602892.1 | 478644.9 | 0.0 | S |
| 196.600 | 0.0000 | 0.0000 | 80.952 | 0.13930 | 0.00000 | 602892.1 | 478649.1 | 0.0 | S |
| 196.608 | 0.0000 | 0.0000 | 80.952 | 0.13929 | 0.00000 | 602892.1 | 478653.3 | 0.0 | S |
| 196.617 | 0.0000 | 0.0000 | 80.951 | 0.13929 | 0.00000 | 602892.1 | 478657.4 | 0.0 | S |
| 196.625 | 0.0000 | 0.0000 | 80.951 | 0.13928 | 0.00000 | 602892.1 | 478661.6 | 0.0 | S |
| 196.633 | 0.0000 | 0.0000 | 80.951 | 0.13927 | 0.00000 | 602892.1 | 478665.8 | 0.0 | S |
| 196.642 | 0.0000 | 0.0000 | 80.951 | 0.13927 | 0.00000 | 602892.1 | 478670.0 | 0.0 | S |
| 196.650 | 0.0000 | 0.0000 | 80.951 | 0.13926 | 0.00000 | 602892.1 | 478674.1 | 0.0 | S |
| 196.658 | 0.0000 | 0.0000 | 80.951 | 0.13925 | 0.00000 | 602892.1 | 478678.3 | 0.0 | S |
| 196.667 | 0.0000 | 0.0000 | 80.951 | 0.13925 | 0.00000 | 602892.1 | 478682.5 | 0.0 | S |
| 196.675 | 0.0000 | 0.0000 | 80.951 | 0.13924 | 0.00000 | 602892.1 | 478686.7 | 0.0 | S |
| 196.683 | 0.0000 | 0.0000 | 80.951 | 0.13923 | 0.00000 | 602892.1 | 478690.8 | 0.0 | S |
| 196.692 | 0.0000 | 0.0000 | 80.951 | 0.13923 | 0.00000 | 602892.1 | 478695.0 | 0.0 | S |
| 196.700 | 0.0000 | 0.0000 | 80.951 | 0.13922 | 0.00000 | 602892.1 | 478699.2 | 0.0 | S |
| 196.708 | 0.0000 | 0.0000 | 80.951 | 0.13922 | 0.00000 | 602892.1 | 478703.4 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario $1::$ pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{1 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | $\begin{aligned} & \text { Cumulative } \\ & \text { Inflow } \\ & \text { volume }\left(\mathrm{ft}^{3}\right) \end{aligned}$ | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 196.717 | 0.0000 | 0.0000 | 80.950 | 0.13921 | 0.00000 | 602892.1 | 478707.6 | 0.0 | S |
| 196.725 | 0.0000 | 0.0000 | 80.950 | 0.13920 | 0.00000 | 602892.1 | 478711.7 | 0.0 | S |
| 196.733 | 0.0000 | 0.0000 | 80.950 | 0.13920 | 0.00000 | 602892.1 | 478715.9 | 0.0 | S |
| 196.742 | 0.0000 | 0.0000 | 80.950 | 0.13919 | 0.00000 | 602892.1 | 478720.1 | 0.0 | S |
| 196.750 | 0.0000 | 0.0000 | 80.950 | 0.13918 | 0.00000 | 602892.1 | 478724.3 | 0.0 | S |
| 196.758 | 0.0000 | 0.0000 | 80.950 | 0.13918 | 0.00000 | 602892.1 | 478728.4 | 0.0 | S |
| 196.767 | 0.0000 | 0.0000 | 80.950 | 0.13917 | 0.00000 | 602892.1 | 478732.6 | 0.0 | S |
| 196.775 | 0.0000 | 0.0000 | 80.950 | 0.13916 | 0.00000 | 602892.1 | 478736.8 | 0.0 | S |
| 196.783 | 0.0000 | 0.0000 | 80.950 | 0.13916 | 0.00000 | 602892.1 | 478741.0 | 0.0 | S |
| 196.792 | 0.0000 | 0.0000 | 80.950 | 0.13915 | 0.00000 | 602892.1 | 478745.1 | 0.0 | S |
| 196.800 | 0.0000 | 0.0000 | 80.950 | 0.13915 | 0.00000 | 602892.1 | 478749.3 | 0.0 | S |
| 196.808 | 0.0000 | 0.0000 | 80.950 | 0.13914 | 0.00000 | 602892.1 | 478753.5 | 0.0 | S |
| 196.817 | 0.0000 | 0.0000 | 80.950 | 0.13913 | 0.00000 | 602892.1 | 478757.7 | 0.0 | S |
| 196.825 | 0.0000 | 0.0000 | 80.949 | 0.13913 | 0.00000 | 602892.1 | 478761.8 | 0.0 | S |
| 196.833 | 0.0000 | 0.0000 | 80.949 | 0.13912 | 0.00000 | 602892.1 | 478766.0 | 0.0 | S |
| 196.842 | 0.0000 | 0.0000 | 80.949 | 0.13911 | 0.00000 | 602892.1 | 478770.2 | 0.0 | S |
| 196.850 | 0.0000 | 0.0000 | 80.949 | 0.13911 | 0.00000 | 602892.1 | 478774.3 | 0.0 | S |
| 196.858 | 0.0000 | 0.0000 | 80.949 | 0.13910 | 0.00000 | 602892.1 | 478778.5 | 0.0 | S |
| 196.867 | 0.0000 | 0.0000 | 80.949 | 0.13909 | 0.00000 | 602892.1 | 478782.7 | 0.0 | S |
| 196.875 | 0.0000 | 0.0000 | 80.949 | 0.13909 | 0.00000 | 602892.1 | 478786.9 | 0.0 | S |
| 196.883 | 0.0000 | 0.0000 | 80.949 | 0.13908 | 0.00000 | 602892.1 | 478791.0 | 0.0 | S |
| 196.892 | 0.0000 | 0.0000 | 80.949 | 0.13907 | 0.00000 | 602892.1 | 478795.2 | 0.0 | S |
| 196.900 | 0.0000 | 0.0000 | 80.949 | 0.13907 | 0.00000 | 602892.1 | 478799.4 | 0.0 | S |
| 196.908 | 0.0000 | 0.0000 | 80.949 | 0.13906 | 0.00000 | 602892.1 | 478803.6 | 0.0 | S |
| 196.917 | 0.0000 | 0.0000 | 80.949 | 0.13906 | 0.00000 | 602892.1 | 478807.7 | 0.0 | S |
| 196.925 | 0.0000 | 0.0000 | 80.948 | 0.13905 | 0.00000 | 602892.1 | 478811.9 | 0.0 | S |
| 196.933 | 0.0000 | 0.0000 | 80.948 | 0.13904 | 0.00000 | 602892.1 | 478816.1 | 0.0 | S |
| 196.942 | 0.0000 | 0.0000 | 80.948 | 0.13904 | 0.00000 | 602892.1 | 478820.3 | 0.0 | S |
| 196.950 | 0.0000 | 0.0000 | 80.948 | 0.13903 | 0.00000 | 602892.1 | 478824.4 | 0.0 | S |
| 196.958 | 0.0000 | 0.0000 | 80.948 | 0.13902 | 0.00000 | 602892.1 | 478828.6 | 0.0 | S |
| 196.967 | 0.0000 | 0.0000 | 80.948 | 0.13902 | 0.00000 | 602892.1 | 478832.8 | 0.0 | S |
| 196.975 | 0.0000 | 0.0000 | 80.948 | 0.13901 | 0.00000 | 602892.1 | 478836.9 | 0.0 | S |
| 196.983 | 0.0000 | 0.0000 | 80.948 | 0.13900 | 0.00000 | 602892.1 | 478841.1 | 0.0 | S |
| 196.992 | 0.0000 | 0.0000 | 80.948 | 0.13900 | 0.00000 | 602892.1 | 478845.3 | 0.0 | S |
| 197.000 | 0.0000 | 0.0000 | 80.948 | 0.13899 | 0.00000 | 602892.1 | 478849.4 | 0.0 | S |
| 197.008 | 0.0000 | 0.0000 | 80.948 | 0.13899 | 0.00000 | 602892.1 | 478853.6 | 0.0 | S |
| 197.017 | 0.0000 | 0.0000 | 80.948 | 0.13898 | 0.00000 | 602892.1 | 478857.8 | 0.0 | S |
| 197.025 | 0.0000 | 0.0000 | 80.947 | 0.13897 | 0.00000 | 602892.1 | 478861.9 | 0.0 | S |
| 197.033 | 0.0000 | 0.0000 | 80.947 | 0.13897 | 0.00000 | 602892.1 | 478866.1 | 0.0 | S |
| 197.042 | 0.0000 | 0.0000 | 80.947 | 0.13896 | 0.00000 | 602892.1 | 478870.3 | 0.0 | S |
| 197.050 | 0.0000 | 0.0000 | 80.947 | 0.13895 | 0.00000 | 602892.1 | 478874.4 | 0.0 | S |
| 197.058 | 0.0000 | 0.0000 | 80.947 | 0.13895 | 0.00000 | 602892.1 | 478878.6 | 0.0 | S |
| 197.067 | 0.0000 | 0.0000 | 80.947 | 0.13894 | 0.00000 | 602892.1 | 478882.8 | 0.0 | S |
| 197.075 | 0.0000 | 0.0000 | 80.947 | 0.13893 | 0.00000 | 602892.1 | 478886.9 | 0.0 | S |
| 197.083 | 0.0000 | 0.0000 | 80.947 | 0.13893 | 0.00000 | 602892.1 | 478891.1 | 0.0 | S |
| 197.092 | 0.0000 | 0.0000 | 80.947 | 0.13892 | 0.00000 | 602892.1 | 478895.3 | 0.0 | S |
| 197.100 | 0.0000 | 0.0000 | 80.947 | 0.13891 | 0.00000 | 602892.1 | 478899.5 | 0.0 | S |
| 197.108 | 0.0000 | 0.0000 | 80.947 | 0.13891 | 0.00000 | 602892.1 | 478903.6 | 0.0 | S |
| 197.117 | 0.0000 | 0.0000 | 80.947 | 0.13890 | 0.00000 | 602892.1 | 478907.8 | 0.0 | S |
| 197.125 | 0.0000 | 0.0000 | 80.946 | 0.13890 | 0.00000 | 602892.1 | 478912.0 | 0.0 | S |
| 197.133 | 0.0000 | 0.0000 | 80.946 | 0.13889 | 0.00000 | 602892.1 | 478916.1 | 0.0 | S |
| 197.142 | 0.0000 | 0.0000 | 80.946 | 0.13888 | 0.00000 | 602892.1 | 478920.3 | 0.0 | S |
| 197.150 | 0.0000 | 0.0000 | 80.946 | 0.13888 | 0.00000 | 602892.1 | 478924.5 | 0.0 | S |
| 197.158 | 0.0000 | 0.0000 | 80.946 | 0.13887 | 0.00000 | 602892.1 | 478928.6 | 0.0 | S |
| 197.167 | 0.0000 | 0.0000 | 80.946 | 0.13886 | 0.00000 | 602892.1 | 478932.8 | 0.0 | S |
| 197.175 | 0.0000 | 0.0000 | 80.946 | 0.13886 | 0.00000 | 602892.1 | 478937.0 | 0.0 | S |
| 197.183 | 0.0000 | 0.0000 | 80.946 | 0.13885 | 0.00000 | 602892.1 | 478941.1 | 0.0 | S |
| 197.192 | 0.0000 | 0.0000 | 80.946 | 0.13884 | 0.00000 | 602892.1 | 478945.3 | 0.0 | S |
| 197.200 | 0.0000 | 0.0000 | 80.946 | 0.13884 | 0.00000 | 602892.1 | 478949.4 | 0.0 | S |
| 197.208 | 0.0000 | 0.0000 | 80.946 | 0.13883 | 0.00000 | 602892.1 | 478953.6 | 0.0 | S |
| 197.217 | 0.0000 | 0.0000 | 80.946 | 0.13883 | 0.00000 | 602892.1 | 478957.8 | 0.0 | S |
| 197.225 | 0.0000 | 0.0000 | 80.946 | 0.13882 | 0.00000 | 602892.1 | 478961.9 | 0.0 | S |
| 197.233 | 0.0000 | 0.0000 | 80.945 | 0.13881 | 0.00000 | 602892.1 | 478966.1 | 0.0 | S |
| 197.242 | 0.0000 | 0.0000 | 80.945 | 0.13881 | 0.00000 | 602892.1 | 478970.3 | 0.0 | S |
| 197.250 | 0.0000 | 0.0000 | 80.945 | 0.13880 | 0.00000 | 602892.1 | 478974.4 | 0.0 | S |
| 197.258 | 0.0000 | 0.0000 | 80.945 | 0.13879 | 0.00000 | 602892.1 | 478978.6 | 0.0 | S |
| 197.267 | 0.0000 | 0.0000 | 80.945 | 0.13879 | 0.00000 | 602892.1 | 478982.8 | 0.0 | S |
| 197.275 | 0.0000 | 0.0000 | 80.945 | 0.13878 | 0.00000 | 602892.1 | 478986.9 | 0.0 | S |
| 197.283 | 0.0000 | 0.0000 | 80.945 | 0.13877 | 0.00000 | 602892.1 | 478991.1 | 0.0 | S |
| 197.292 | 0.0000 | 0.0000 | 80.945 | 0.13877 | 0.00000 | 602892.1 | 478995.3 | 0.0 | S |
| 197.300 | 0.0000 | 0.0000 | 80.945 | 0.13876 | 0.00000 | 602892.1 | 478999.4 | 0.0 | S |
| 197.308 | 0.0000 | 0.0000 | 80.945 | 0.13876 | 0.00000 | 602892.1 | 479003.6 | 0.0 | S |
| 197.317 | 0.0000 | 0.0000 | 80.945 | 0.13875 | 0.00000 | 602892.1 | 479007.8 | 0.0 | S |
| 197.325 | 0.0000 | 0.0000 | 80.945 | 0.13874 | 0.00000 | 602892.1 | 479011.9 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate (ft3/s) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overfiow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 197.333 | 0.0000 | 0.0000 | 80.944 | 0.13874 | 0.00000 | 602892.1 | 479016.1 | 0.0 | S |
| 197.342 | 0.0000 | 0.0000 | 80.944 | 0.13873 | 0.00000 | 602892.1 | 479020.2 | 0.0 | S |
| 197.350 | 0.0000 | 0.0000 | 80.944 | 0.13872 | 0.00000 | 602892.1 | 479024.4 | 0.0 | S |
| 197.358 | 0.0000 | 0.0000 | 80.944 | 0.13872 | 0.00000 | 602892.1 | 479028.6 | 0.0 | S |
| 197.367 | 0.0000 | 0.0000 | 80.944 | 0.13871 | 0.00000 | 602892.1 | 479032.7 | 0.0 | S |
| 197.375 | 0.0000 | 0.0000 | 80.944 | 0.13870 | 0.00000 | 602892.1 | 479036.9 | 0.0 | S |
| 197.383 | 0.0000 | 0.0000 | 80.944 | 0.13870 | 0.00000 | 602892.1 | 479041.0 | 0.0 | S |
| 197.392 | 0.0000 | 0.0000 | 80.944 | 0.13869 | 0.00000 | 602892.1 | 479045.2 | 0.0 | S |
| 197.400 | 0.0000 | 0.0000 | 80.944 | 0.13869 | 0.00000 | 602892.1 | 479049.3 | 0.0 | S |
| 197.408 | 0.0000 | 0.0000 | 80.944 | 0.13868 | 0.00000 | 602892.1 | 479053.5 | 0.0 | S |
| 197.417 | 0.0000 | 0.0000 | 80.944 | 0.13867 | 0.00000 | 602892.1 | 479057.7 | 0.0 | S |
| 197.425 | 0.0000 | 0.0000 | 80.944 | 0.13867 | 0.00000 | 602892.1 | 479061.8 | 0.0 | S |
| 197.433 | 0.0000 | 0.0000 | 80.943 | 0.13866 | 0.00000 | 602892.1 | 479066.0 | 0.0 | S |
| 197.442 | 0.0000 | 0.0000 | 80.943 | 0.13865 | 0.00000 | 602892.1 | 479070.2 | 0.0 | S |
| 197.450 | 0.0000 | 0.0000 | 80.943 | 0.13865 | 0.00000 | 602892.1 | 479074.3 | 0.0 | S |
| 197.458 | 0.0000 | 0.0000 | 80.943 | 0.13864 | 0.00000 | 602892.1 | 479078.5 | 0.0 | S |
| 197.467 | 0.0000 | 0.0000 | 80.943 | 0.13863 | 0.00000 | 602892.1 | 479082.6 | 0.0 | S |
| 197.475 | 0.0000 | 0.0000 | 80.943 | 0.13863 | 0.00000 | 602892.1 | 479086.8 | 0.0 | S |
| 197.483 | 0.0000 | 0.0000 | 80.943 | 0.13862 | 0.00000 | 602892.1 | 479091.0 | 0.0 | S |
| 197.492 | 0.0000 | 0.0000 | 80.943 | 0.13862 | 0.00000 | 602892.1 | 479095.1 | 0.0 | S |
| 197.500 | 0.0000 | 0.0000 | 80.943 | 0.13861 | 0.00000 | 602892.1 | 479099.3 | 0.0 | S |
| 197.508 | 0.0000 | 0.0000 | 80.943 | 0.13860 | 0.00000 | 602892.1 | 479103.4 | 0.0 | S |
| 197.517 | 0.0000 | 0.0000 | 80.943 | 0.13860 | 0.00000 | 602892.1 | 479107.6 | 0.0 | S |
| 197.525 | 0.0000 | 0.0000 | 80.943 | 0.13859 | 0.00000 | 602892.1 | 479111.8 | 0.0 | S |
| 197.533 | 0.0000 | 0.0000 | 80.942 | 0.13858 | 0.00000 | 602892.1 | 479115.9 | 0.0 | S |
| 197.542 | 0.0000 | 0.0000 | 80.942 | 0.13858 | 0.00000 | 602892.1 | 479120.1 | 0.0 | S |
| 197.550 | 0.0000 | 0.0000 | 80.942 | 0.13857 | 0.00000 | 602892.1 | 479124.2 | 0.0 | S |
| 197.558 | 0.0000 | 0.0000 | 80.942 | 0.13856 | 0.00000 | 602892.1 | 479128.4 | 0.0 | S |
| 197.567 | 0.0000 | 0.0000 | 80.942 | 0.13856 | 0.00000 | 602892.1 | 479132.5 | 0.0 | S |
| 197.575 | 0.0000 | 0.0000 | 80.942 | 0.13855 | 0.00000 | 602892.1 | 479136.7 | 0.0 | S |
| 197.583 | 0.0000 | 0.0000 | 80.942 | 0.13855 | 0.00000 | 602892.1 | 479140.8 | 0.0 | S |
| 197.592 | 0.0000 | 0.0000 | 80.942 | 0.13854 | 0.00000 | 602892.1 | 479145.0 | 0.0 | S |
| 197.600 | 0.0000 | 0.0000 | 80.942 | 0.13853 | 0.00000 | 602892.1 | 479149.2 | 0.0 | S |
| 197.608 | 0.0000 | 0.0000 | 80.942 | 0.13853 | 0.00000 | 602892.1 | 479153.3 | 0.0 | S |
| 197.617 | 0.0000 | 0.0000 | 80.942 | 0.13852 | 0.00000 | 602892.1 | 479157.5 | 0.0 | S |
| 197.625 | 0.0000 | 0.0000 | 80.942 | 0.13851 | 0.00000 | 602892.1 | 479161.6 | 0.0 | S |
| 197.633 | 0.0000 | 0.0000 | 80.942 | 0.13851 | 0.00000 | 602892.1 | 479165.8 | 0.0 | S |
| 197.642 | 0.0000 | 0.0000 | 80.941 | 0.13850 | 0.00000 | 602892.1 | 479169.9 | 0.0 | S |
| 197.650 | 0.0000 | 0.0000 | 80.941 | 0.13849 | 0.00000 | 602892.1 | 479174.1 | 0.0 | S |
| 197.658 | 0.0000 | 0.0000 | 80.941 | 0.13849 | 0.00000 | 602892.1 | 479178.3 | 0.0 | S |
| 197.667 | 0.0000 | 0.0000 | 80.941 | 0.13848 | 0.00000 | 602892.1 | 479182.4 | 0.0 | S |
| 197.675 | 0.0000 | 0.0000 | 80.941 | 0.13848 | 0.00000 | 602892.1 | 479186.6 | 0.0 | S |
| 197.683 | 0.0000 | 0.0000 | 80.941 | 0.13847 | 0.00000 | 602892.1 | 479190.7 | 0.0 | S |
| 197.692 | 0.0000 | 0.0000 | 80.941 | 0.13846 | 0.00000 | 602892.1 í | 479194.9 | 0.0 | S |
| 197.700 | 0.0000 | 0.0000 | 80.941 | 0.13846 | 0.00000 | 602892.1 | 479199.0 | 0.0 | S |
| 197.708 | 0.0000 | 0.0000 | 80.941 | 0.13845 | 0.00000 | 602892.1 | 479203.2 | 0.0 | S |
| 197.717 | 0.0000 | 0.0000 | 80.941 | 0.13844 | 0.00000 | 602892.1 | 479207.3 | 0.0 | S |
| 197.725 | 0.0000 | 0.0000 | 80.941 | 0.13844 | 0.00000 | 602892.1 | 479211.5 | 0.0 | S |
| 197.733 | 0.0000 | 0.0000 | 80.941 | 0.13843 | 0.00000 | 602892.1 | 479215.6 | 0.0 | S |
| 197.742 | 0.0000 | 0.0000 | 80.940 | 0.13842 | 0.00000 | 602892.1 | 479219.8 | 0.0 | S |
| 197.750 | 0.0000 | 0.0000 | 80.940 | 0.13842 | 0.00000 | 602892.1 | 479223.9 | 0.0 | S |
| 197.758 | 0.0000 | 0.0000 | 80.940 | 0.13841 | 0.00000 | 602892.1 | 479228.1 | 0.0 | S |
| 197.767 | 0.0000 | 0.0000 | 80.940 | 0.13841 | 0.00000 | 602892.1 | 479232.3 | 0.0 | S |
| 197.775 | 0.0000 | 0.0000 | 80.940 | 0.13840 | 0.00000 | 602892.1 | 479236.4 | 0.0 | S |
| 197.783 | 0.0000 | 0.0000 | 80.940 | 0.73839 | 0.00000 | 602892.1 | 479240.5 | 0.0 | S |
| 197.792 | 0.0000 | 0.0000 | 80.940 | 0.13839 | 0.00000 | 602892.1 | 479244.7 | 0.0 | S |
| 197.800 | 0.0000 | 0.0000 | 80.940 | 0.13838 | 0.00000 | 602892.1 | 479248.8 | 0.0 | S |
| 197.808 | 0.0000 | 0.0000 | 80.940 | 0.13837 | 0.00000 | 602892.1 | 479253.0 | 0.0 | S |
| 197.817 | 0.0000 | 0.0000 | 80.940 | 0.13837 | 0.00000 | 602892.1 | 479257.2 | 0.0 | S |
| 197.825 | 0.0000 | 0.0000 | 80.940 | 0.13836 | 0.00000 | 602892.1 | 479261.3 | 0.0 | S |
| 197.833 | 0.0000 | 0.0000 | 80.940 | 0.13835 | 0.00000 | 602892.1 | 479265.4 | 0.0 | S |
| 197.842 | 0.0000 | 0.0000 | 80.939 | 0.13835 | 0.00000 | 602892.1 | 479269.6 | 0.0 | S |
| 197.850 | 0.0000 | 0.0000 | 80.939 | 0.13834 | 0.00000 | 602892.1 | 479273.8 | 0.0 | S |
| 197.858 | 0.0000 | 0.0000 | 80.939 | 0.13834 | 0.00000 | 602892.1 | 479277.9 | 0.0 | S |
| 197.867 | 0.0000 | 0.0000 | 80.939 | 0.13833 | 0.00000 | 602892.1 | 479282.1 | 0.0 | S |
| 197.875 | 0.0000 | 0.0000 | 80.939 | 0.13832 | 0.00000 | 602892.1 | 479286.2 | 0.0 | S |
| 197.883 | 0.0000 | 0.0000 | 80.939 | 0.13832 | 0.00000 | 602892.1 | 479290.3 | 0.0 | S |
| 197.892 | 0.0000 | 0.0000 | 80.939 | 0.13831 | 0.00000 | 602892.1 | 479294.5 | 0.0 | S |
| 197.900 | 0.0000 | 0.0000 | 80.939 | 0.13830 | 0.00000 | 602892.1 | 479298.7 | 0.0 | S |
| 197.908 | 0.0000 | 0.0000 | 80.939 | 0.13830 | 0.00000 | 602892.1 | 479302.8 | 0.0 | S |
| 197.917 | 0.0000 | 0.0000 | 80.939 | 0.13829 | 0.00000 | 602892.1 | 479306.9 | 0.0 | S |
| 197.925 | 0.0000 | 0.0000 | 80.939 | 0.13828 | 0.00000 | 602892.1 | 479311.1 | 0.0 | S |
| 197.933 | 0.0000 | 0.0000 | 80.939 | 0.13828 | 0.00000 | 602892.1 | 479315.3 | 0.0 | S |
| 197.942 | 0.0000 | 0.0000 | 80.938 | 0.13827 | 0.00000 | 602892.1 | 479319.4 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | inflow Rate (f $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infitration Rate $\left(\mathrm{f}^{3} / \mathrm{s}\right)$ | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative infilsration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Fiow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 197.950 | 0.0000 | 0.0000 | 80.938 | 0.13827 | 0.00000 | 602892.1 | 479323.5 | 0.0 | S |
| 197.958 | 0.0000 | 0.0000 | 80.938 | 0.13826 | 0.00000 | 602892.1 | 479327.7 | 0.0 | S |
| 197.967 | 0.0000 | 0.0000 | 80.938 | 0.13825 | 0.00000 | 602892.1 | 479331.8 | 0.0 | S |
| 197.975 | 0.0000 | 0.0000 | 80.938 | 0.13825 | 0.00000 | 602892.1 | 479336.0 | 0.0 | S |
| 197.983 | 0.0000 | 0.0000 | 80.938 | 0.13824 | 0.00000 | 602892.1 | 479340.1 | 0.0 | S |
| 197.992 | 0.0000 | 0.0000 | 80.938 | 0.13823 | 0.00000 | 602892.1 | 479344.3 | 0.0 | S |
| 198.000 | 0.0000 | 0.0000 | 80.938 | 0.73823 | 0.00000 | 602892.1 | 479348.4 | 0.0 | S |
| 198.008 | 0.0000 | 0.0000 | 80.938 | 0.13822 | 0.00000 | 602892.1 | 479352.6 | 0.0 | S |
| 198.017 | 0.0000 | 0.0000 | 80.938 | 0.13822 | 0.00000 | 602892.1 | 479356.7 | 0.0 | S |
| 198.025 | 0.0000 | 0.0000 | 80.938 | 0.13821 | 0.00000 | 602892.1 | 479360.9 | 0.0 | S |
| 198.033 | 0.0000 | 0.0000 | 80.938 | 0.13820 | 0.00000 | 602892.1 | 479365.0 | 0.0 | S |
| 198.042 | 0.0000 | 0.0000 | 80.938 | 0.13820 | 0.00000 | 602892.1 | 479369.2 | 0.0 | S |
| 198.050 | 0.0000 | 0.0000 | 80.937 | 0.13819 | 0.00000 | 602892.1 | 479373.3 | 0.0 | S |
| 198.058 | 0.0000 | 0.0000 | 80.937 | 0.13818 | 0.00000 | 602892.1 | 479377.4 | 0.0 | S |
| 198.067 | 0.0000 | 0.0000 | 80.937 | 0.13818 | 0.00000 | 602892.1 | 479381.6 | 0.0 | S |
| 198.075 | 0.0000 | 0.0000 | 80.937 | 0.13817 | 0.00000 | 602892.1 | 479385.8 | 0.0 | S |
| 198.083 | 0.0000 | 0.0000 | 80.937 | 0.13816 | 0.00000 | 602892.1 | 479389.9 | 0.0 | S |
| 198.092 | 0.0000 | 0.0000 | 80.937 | 0.13816 | 0.00000 | 602892.1 | 479394.0 | 0.0 | S |
| 198.100 | 0.0000 | 0.0000 | 80.937 | 0.13815 | 0.00000 | 602892.1 | 479398.2 | 0.0 | S |
| 198.108 | 0.0000 | 0.0000 | 80.937 | 0.13815 | 0.00000 | 602892.1 | 479402.3 | 0.0 | S |
| 198.117 | 0.0000 | 0.0000 | 80.937 | 0.13814 | 0.00000 | 602892.1 | 479406.5 | 0.0 | S |
| 198.125 | 0.0000 | 0.0000 | 80.937 | 0.13813 | 0.00000 | 602892.1 | 479410.6 | 0.0 | S |
| 198.133 | 0.0000 | 0.0000 | 80.937 | 0.13813 | 0.00000 | 602892.1 | 479414.8 | 0.0 | S |
| 198.142 | 0.0000 | 0.0000 | 80.937 | 0.13812 | 0.00000 | 602892.1 | 479418.9 | 0.0 | S |
| 198.150 | 0.0000 | 0.0000 | 80.936 | 0.13811 | 0.00000 | 602892.1 | 479423.0 | 0.0 | S |
| 198.158 | 0.0000 | 0.0000 | 80.936 | 0.13811 | 0.00000 | 602892.1 | 479427.2 | 0.0 | S |
| 198.167 | 0.0000 | 0.0000 | 80.936 | 0.13810 | 0.00000 | 602892.1 | 479431.3 | 0.0 | S |
| 198.175 | 0.0000 | 0.0000 | 80.936 | 0.13809 | 0.00000 | 602892.1 | 479435.5 | 0.0 | S |
| 198.183 | 0.0000 | 0.0000 | 80.936 | 0.13809 | 0.00000 | 602892.1 | 479439.6 | 0.0 | S |
| 198.192 | 0.0000 | 0.0000 | 80.936 | 0.13808 | 0.00000 | 602892.1 | 479443.8 | 0.0 | S |
| 198.200 | 0.0000 | 0.0000 | 80.936 | 0.13808 | 0.00000 | 602892.1 | 479447.9 | 0.0 | S |
| 198.208 | 0.0000 | 0.0000 | 80.936 | 0.13807 | 0.00000 | 602892.1 | 479452.0 | 0.0 | S |
| 198.217 | 0.0000 | 0.0000 | 80.936 | 0.13806 | 0.00000 | 602892.1 | 479456.2 | 0.0 | S |
| 198.225 | 0.0000 | 0.0000 | 80.936 | 0.13806 | 0.00000 | 602892.1 | 479460.3 | 0.0 | S |
| 198.233 | 0.0000 | 0.0000 | 80.936 | 0.13805 | 0.00000 | 602892.1 | 479464.5 | 0.0 | S |
| \$98.242 | 0.0000 | 0.0000 | 80.936 | 0.13804 | 0.00000 | 602892.1 | 479468.6 | 0.0 | S |
| 198.250 | 0.0000 | 0.0000 | 80.935 | 0.13804 | 0.00000 | 602892.1 | 479472.8 | 0.0 | S |
| 198.258 | 0.0000 | 0.0000 | 80.935 | 0.13803 | 0.00000 | 602892.1 | 479476.9 | 0.0 | S |
| 198.267 | 0.0000 | 0.0000 | 80.935 | 0.13803 | 0.00000 | 602892.1 | 479481.0 | 0.0 | S |
| 198.275 | 0.0000 | 0.0000 | 80.935 | 0.13802 | 0.00000 | 602892.1 | 479485.2 | 0.0 | S |
| 198.283 | 0.0000 | 0.0000 | 80.935 | 0.13801 | 0.00000 | 602892.1 | 479489.3 | 0.0 | S |
| 198.292 | 0.0000 | 0.0000 | 80.935 | 0.13801 | 0.00000 | 602892.1 | 479493.4 | 0.0 | S |
| 198.300 | 0.0000 | 0.0000 | 80.935 | 0.13800 | 0.00000 | 602892.1 | 479497.6 | 0.0 | S |
| 198.308 | 0.0000 | 0.0000 | 80.935 | 0.13799 | 0.00000 | 602892.1 | 479501.7 | 0.0 | S |
| 198.317 | 0.0000 | 0.0000 | 80.935 | 0.13799 | 0.00000 | 602892.1 | 479505.9 | 0.0 | S |
| 198.325 | 0.0000 | 0.0000 | 80.935 | 0.13798 | 0.00000 | 602892.1 | 479510.0 | 0.0 | S |
| 198.333 | 0.0000 | 0.0000 | 80.935 | 0.13797 | 0.00000 | 602892.1 | 479514.2 | 0.0 | S |
| 198.342 | 0.0000 | 0.0000 | 80.935 | 0.13797 | 0.00000 | 602892.1 | 479518.3 | 0.0 | S |
| 198.350 | 0.0000 | 0.0000 | 80.934 | 0.13796 | 0.00000 | 602892.1 | 479522.4 | 0.0 | S |
| 198.358 | 0.0000 | 0.0000 | 80.934 | 0.13796 | 0.00000 | 602892.1 | 479526.6 | 0.0 | S |
| 198.367 | 0.0000 | 0.0000 | 80.934 | 0.13795 | 0.00000 | 602892.1 | 479530.7 | 0.0 | S |
| 198.375 | 0.0000 | 0.0000 | 80.934 | 0.13794 | 0.00000 | 602892.1 | 479534.8 | 0.0 | S |
| 198.383 | 0.0000 | 0.0000 | 80.934 | 0.13794 | 0.00000 | 602892.1 | 479539.0 | 0.0 | S |
| 198.392 | 0.0000 | 0.0000 | 80.934 | 0.13793 | 0.00000 | 602892.1 | 479543.1 | 0.0 | S |
| 198.400 | 0.0000 | 0.0000 | 80.934 | 0.13792 | 0.00000 | 602892.1 | 479547.3 | 0.0 | S |
| 198.408 | 0.0000 | 0.0000 | 80.934 | 0.13792 | 0.00000 | 602892.1 | 479551.4 | 0.0 | S |
| 198.417 | 0.0000 | 0.0000 | 80.934 | 0.73791 | 0.00000 | 602892.1 | 479555.5 | 0.0 | S |
| 198.425 | 0.0000 | 0.0000 | 80.934 | 0.13791 | 0.00000 | 602892.1 | 479559.7 | 0.0 | S |
| 198.433 | 0.0000 | 0.0000 | 80.934 | 0.13790 | 0.00000 | 602892.1 | 479563.8 | 0.0 | S |
| 198.442 | 0.0000 | 0.0000 | 80.934 | 0.13789 | 0.00000 | 602892.1 | 479567.9 | 0.0 | S |
| 198.450 | 0.0000 | 0.0000 | 80.934 | 0.13789 | 0.00000 | 602892.1 | 479572.1 | 0.0 | S |
| 198.458 | 0.0000 | 0.0000 | 80.933 | 0.13788 | 0.00000 | 602892.1 | 479576.2 | 0.0 | S |
| 198.467 | 0.0000 | 0.0000 | 80.933 | 0.13787 | 0.00000 | 602892.1 | 479580.3 | 0.0 | S |
| 198.475 | 0.0000 | 0.0000 | 80.933 | 0.13787 | 0.00000 | 602892.1 | 479584.5 | 0.0 | S |
| 198.483 | 0.0000 | 0.0000 | 80.933 | 0.13786 | 0.00000 | 602892.1 | 479588.6 | 0.0 | S |
| 198.492 | 0.0000 | 0.0000 | 80.933 | 0.13785 | 0.00000 | 602892.1 | 479592.8 | 0.0 | S |
| 198.500 | 0.0000 | 0.0000 | 80.933 | 0.13785 | 0.00000 | 602892.1 | 479596.9 | 0.0 | S |
| 198.508 | 0.0000 | 0.0000 | 80.933 | 0.13784 | 0.00000 | 602892.1 | 479601.0 | 0.0 | S |
| 198.517 | 0.0000 | 0.0000 | 80.933 | 0.13784 | 0.00000 | 602892.1 | 479605.2 | 0.0 | S |
| 198.525 | 0.0000 | 0.0000 | 80.933 | 0.13783 | 0.00000 | 602892.1 | 479609.3 | 0.0 | S |
| 198.533 | 0.0000 | 0.0000 | 80.933 | 0.13782 | 0.00000 | 602892.1 | 479613.4 | 0.0 | S |
| 198.542 | 0.0000 | 0.0000 | 80.933 | 0.13782 | 0.00000 | 602892.1 | 479617.6 | 0.0 | S |
| 198.550 | 0.0000 | 0.0000 | 80.933 | 0.13781 | 0.00000 | 602892.1 | 479621.7 | 0.0 | S |
| 198.558 | 0.0000 | 0.0000 | 80.932 | 0.13780 | 0.00000 | 602892.1 | 479625.8 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overlow <br> Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Enfiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume (ft ${ }^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 198.567 | 0.0000 | 0.0000 | 80.932 | 0.13780 | 0.00000 | 602892.1 | 479630.0 | 0.0 | S |
| 198.575 | 0.0000 | 0.0000 | 80.932 | 0.13779 | 0.00000 | 602892.1 | 479634.1 | 0.0 | S |
| 198.583 | 0.0000 | 0.0000 | 80.932 | 0.13779 | 0.00000 | 602892.1 | 479638.3 | 0.0 | S |
| 198.592 | 0.0000 | 0.0000 | 80.932 | 0.13778 | 0.00000 | 602892.1 | 479642.4 | 0.0 | S |
| 198.600 | 0.0000 | 0.0000 | 80.932 | 0.13777 | 0.00000 | 602892.1 | 479646.5 | 0.0 | S |
| 198.608 | 0.0000 | 0.0000 | 80.932 | 0.13777 | 0.00000 | 602892.1 | 479650.6 | 0.0 | S |
| 198.617 | 0.0000 | 0.0000 | 80.932 | 0.13776 | 0.00000 | 602892.1 | 479654.8 | 0.0 | S |
| 198.625 | 0.0000 | 0.0000 | 80.932 | 0.13775 | 0.00000 | 602892.1 | 479658.9 | 0.0 | S |
| 198.633 | 0.0000 | 0.0000 | 80.932 | 0.13775 | 0.00000 | 602892.1 | 479663.0 | 0.0 | S |
| 198.642 | 0.0000 | 0.0000 | 80.932 | 0.13774 | 0.00000 | 602892.1 | 479667.2 | 0.0 | S |
| 198.650 | 0.0000 | 0.0000 | 80.932 | 0.13774 | 0.00000 | 602892.1 | 479671.3 | 0.0 | S |
| 198.658 | 0.0000 | 0.0000 | 80.931 | 0.13773 | 0.00000 | 602892.1 | 479675.4 | 0.0 | S |
| 198.667 | 0.0000 | 0.0000 | 80.931 | 0.13772 | 0.00000 | 602892.1 | 479679.6 | 0.0 | S |
| 198.675 | 0.0000 | 0.0000 | 80.931 | 0.13772 | 0.00000 | 602892.1 | 479683.7 | 0.0 | S |
| 198.683 | 0.0000 | 0.0000 | 80.931 | 0.13771 | 0.00000 | 602892.1 | 479687.8 | 0.0 | S |
| 198.692 | 0.0000 | 0.0000 | 80.931 | 0.13770 | 0.00000 | 602892.1 | 479692.0 | 0.0 | S |
| 198.700 | 0.0000 | 0.0000 | 80.931 | 0.13770 | 0.00000 | 602892.1 | 479696.1 | 0.0 | S |
| 198.708 | 0.0000 | 0.0000 | 80.931 | 0.13769 | 0.00000 | 602892.1 | 479700.2 | 0.0 | S |
| 198.717 | 0.0000 | 0.0000 | 80.931 | 0.13768 | 0.00000 | 602892.1 | 479704.3 | 0.0 | S |
| 198.725 | 0.0000 | 0.0000 | 80.931 | 0.13768 | 0.00000 | 602892.1 | 479708.5 | 0.0 | S |
| 198.733 | 0.0000 | 0.0000 | 80.931 | 0.13767 | 0.00000 | 602892.1 | 479712.6 | 0.0 | S |
| 198.742 | 0.0000 | 0.0000 | 80.931 | 0.13767 | 0.00000 | 602892.1 | 479716.8 | 0.0 | S |
| 198.750 | 0.0000 | 0.0000 | 80.931 | 0.13766 | 0.00000 | 602892.1 | 479720.9 | 0.0 | S |
| 198.758 | 0.0000 | 0.0000 | 80.931 | 0.13765 | 0.00000 | 602892.1 | 479725.0 | 0.0 | S |
| 198.767 | 0.0000 | 0.0000 | 80.930 | 0.13765 | 0.00000 | 602892.1 | 479729.1 | 0.0 | S |
| 198.775 | 0.0000 | 0.0000 | 80.930 | 0.13764 | 0.00000 | 602892.f | 479733.3 | 0.0 | S |
| 198.783 | 0.0000 | 0.0000 | 80.930 | 0.13763 | 0.00000 | 602892.1 | 479737.4 | 0.0 | S |
| 198.792 | 0.0000 | 0.0000 | 80.930 | 0.13763 | 0.00000 | 602892.1 | 479741.5 | 0.0 | S |
| 198.800 | 0.0000 | 0.0000 | 80.930 | 0.13762 | 0.00000 | 602892.1 | 479745.7 | 0.0 | S |
| 198.808 | 0.0000 | 0.0000 | 80.930 | 0.13762 | 0.00000 | 602892.1 | 479749.8 | 0.0 | S |
| 198.817 | 0.0000 | 0.0000 | 80.930 | 0.13761 | 0.00000 | 602892.1 | 479753.9 | 0.0 | S |
| 198.825 | 0.0000 | 0.0000 | 80.930 | 0.13760 | 0.00000 | 602892.1 | 479758.0 | 0.0 | S |
| 198.833 | 0.0000 | 0.0000 | 80.930 | 0.13760 | 0.00000 | 602892.1 | 479762.2 | 0.0 | S |
| 198.842 | 0.0000 | 0.0000 | 80.930 | 0.13759 | 0.00000 | 602892.1 | 479766.3 | 0.0 | S |
| 198.850 | 0.0000 | 0.0000 | 80.930 | 0.13758 | 0.00000 | 602892.1 | 479770.4 | 0.0 | S |
| 198.858 | 0.0000 | 0.0000 | 80.930 | 0.13758 | 0.00000 | 602892.1 | 479774.5 | 0.0 | S |
| 198.867 | 0.0000 | 0.0000 | 80.929 | 0.13757 | 0.00000 | 602892.1 | 479778.7 | 0.0 | S |
| 198.875 | 0.0000 | 0.0000 | 80.929 | 0.13757 | 0.00000 | 602892.1 | 479782.8 | 0.0 | S |
| 198.883 | 0.0000 | 0.0000 | 80.929 | 0.13756 | 0.00000 | 602892.1 | 479786.9 | 0.0 | S |
| 198.892 | 0.0000 | 0.0000 | 80.929 | 0.13755 | 0.00000 | 602892.1 | 479791.1 | 0.0 | S |
| 198.900 | 0.0000 | 0.0000 | 80.929 | 0.13755 | 0.00000 | 602892.1 | 479795.2 | 0.0 | S |
| 198.908 | 0.0000 | 0.0000 | 80.929 | 0.13754 | 0.00000 | 602892.1 | 479799.3 | 0.0 | S |
| 198.917 | 0.0000 | 0.0000 | 80.929 | 0.13753 | 0.00000 | 602892.1 | 479803.4 | 0.0 | S |
| 198.925 | 0.0000 | 0.0000 | 80.929 | 0.13753 | 0.00000 | 602892.1 | 479807.6 | 0.0 | S |
| 198.933 | 0.0000 | 0.0000 | 80.929 | 0.13752 | 0.00000 | 602892.1 | 479811.7 | 0.0 | S |
| 198.942 | 0.0000 | 0.0000 | 80.929 | 0.13752 | 0.00000 | 602892.1 | 479815.8 | 0.0 | S |
| 198.950 | 0.0000 | 0.0000 | 80.929 | 0.13751 | 0.00000 | 602892.1 | 479819.9 | 0.0 | S |
| 198.958 | 0.0000 | 0.0000 | 80.929 | 0.13750 | 0.00000 | 602892.1 | 479824.1 | 0.0 | S |
| 198.967 | 0.0000 | 0.0000 | 80.928 | 0.13750 | 0.00000 | 602892.1 | 479828.2 | 0.0 | S |
| 198.975 | 0.0000 | 0.0000 | 80.928 | 0.13749 | 0.00000 | 602892.1 | 479832.3 | 0.0 | S |
| 198.983 | 0.0000 | 0.0000 | 80.928 | 0.13748 | 0.00000 | 602892.1 | 479836.4 | 0.0 | S |
| 198.992 | 0.0000 | 0.0000 | 80.928 | 0.13748 | 0.00000 | 602892.1 | 479840.6 | 0.0 | S |
| 199.000 | 0.0000 | 0.0000 | 80.928 | 0.13747 | 0.00000 | 602892.1 | 479844.7 | 0.0 | S |
| 199.008 | 0.0000 | 0.0000 | 80.928 | 0.13747 | 0.00000 | 602892.1 | 479848.8 | 0.0 | S |
| 199.017 | 0.0000 | 0.0000 | 80.928 | 0.13746 | 0.00000 | 602892.1 | 479852.9 | 0.0 | S |
| 199.025 | 0.0000 | 0.0000 | 80.928 | 0.13745 | 0.00000 | 602892.1 | 479857.1 | 0.0 | S |
| 199.033 | 0.0000 | 0.0000 | 80.928 | 0.13745 | 0.00000 | 602892.1 | 479861.2 | 0.0 | S |
| 199.042 | 0.0000 | 0.0000 | 80.928 | 0.13744 | 0.00000 | 602892.1 | 479865.3 | 0.0 | S |
| 199.050 | 0.0000 | 0.0000 | 80.928 | 0.13743 | 0.00000 | 602892.1 | 479869.4 | 0.0 | S |
| 199.058 | 0.0000 | 0.0000 | 80.928 | 0.13743 | 0.00000 | 602892.1 | 479873.5 | 0.0 | S |
| 199.067 | 0.0000 | 0.0000 | 80.928 | 0.13742 | 0.00000 | 602892.1 | 479877.7 | 0.0 | S |
| 199.075 | 0.0000 | 0.0000 | 80.927 | 0.13741 | 0.00000 | 602892.1 | 479881.8 | 0.0 | S |
| 199.083 | 0.0000 | 0.0000 | 80.927 | 0.13741 | 0.00000 | 602892.1 | 479885.9 | 0.0 | S |
| 199.092 | 0.0000 | 0.0000 | 80.927 | 0.13740 | 0.00000 | 602892.1 | 479890.0 | 0.0 | S |
| 199.100 | 0.0000 | 0.0000 | 80.927 | 0.13740 | 0.00000 | 602892.1 | 479894.2 | 0.0 | S |
| 199.108 | 0.0000 | 0.0000 | 80.927 | 0.13739 | 0.00000 | 602892.1 | 479898.3 | 0.0 | S |
| 199.117 | 0.0000 | 0.0000 | 80.927 | 0.13738 | 0.00000 | 602892.1 | 479902.4 | 0.0 | S |
| 199.125 | 0.0000 | 0.0000 | 80.927 | 0.13738 | 0.00000 | 602892.1 | 479906.5 | 0.0 | S |
| 199.133 | 0.0000 | 0.0000 | 80.927 | 0.13737 | 0.00000 | 602892.1 | 479910.7 | 0.0 | S |
| 199.142 | 0.0000 | 0.0000 | 80.927 | 0.13736 | 0.00000 | 602892.1 | 479914.8 | 0.0 | S |
| 199.150 | 0.0000 | 0.0000 | 80.927 | 0.13736 | 0.00000 | 602892.1 | 479918.9 | 0.0 | S |
| 199.158 | 0.0000 | 0.0000 | 80.927 | 0.13735 | 0.00000 | 602892.1 | 479923.0 | 0.0 | S |
| 199.167 | 0.0000 | 0.0000 | 80.927 | 0.13735 | 0.00000 | 602892.1 | 479927.1 | 0.0 | S |
| 199.175 | 0.0000 | 0.0000 | 80.926 | 0.13734 | 0.00000 | 602892.1 | 479931.3 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (It datum) | infilitration Rate ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 199.183 | 0.0000 | 0.0000 | 80.926 | 0.13733 | 0.00000 | 602892.1 | 479935.4 | 0.0 | S |
| 199.192 | 0.0000 | 0.0000 | 80.926 | 0.13733 | 0.00000 | 602892.1 | 479939.5 | 0.0 | S |
| 199.200 | 0.0000 | 0.0000 | 80.926 | 0.13732 | 0.00000 | 602892.1 | 479943.6 | 0.0 | S |
| 199.208 | 0.0000 | 0.0000 | 80.926 | 0.13731 | 0.00000 | 602892.1 | 479947.7 | 0.0 | S |
| 199.217 | 0.0000 | 0.0000 | 80.926 | 0.13731 | 0.00000 | 602892.1 | 479951.8 | 0.0 | S |
| 199.225 | 0.0000 | 0.0000 | 80.926 | 0.13730 | 0.00000 | 602892.1 | 479956.0 | 0.0 | S |
| 199.233 | 0.0000 | 0.0000 | 80.926 | 0.13730 | 0.00000 | 602892.1 | 479960.1 | 0.0 | S |
| 199.242 | 0.0000 | 0.0000 | 80.926 | 0.13729 | 0.00000 | 602892.1 | 479964.2 | 0.0 | S |
| 199.250 | 0.0000 | 0.0000 | 80.926 | 0.13728 | 0.00000 | 602892.1 | 479968.3 | 0.0 | S |
| 199.258 | 0.0000 | 0.0000 | 80.926 | 0.13728 | 0.00000 | 602892.1 | 479972.4 | 0.0 | S |
| 199.267 | 0.0000 | 0.0000 | 80.926 | 0.13727 | 0.00000 | 602892.1 | 479976.6 | 0.0 | S |
| 199.275 | 0.0000 | 0.0000 | 80.925 | 0.13726 | 0.00000 | 602892.1 | 479980.7 | 0.0 | S |
| 199.283 | 0.0000 | 0.0000 | 80.925 | 0.13726 | 0.00000 | 602892.1 | 479984.8 | 0.0 | S |
| 199.292 | 0.0000 | 0.0000 | 80.925 | 0.13725 | 0.00000 | 602892.1 | 479988.9 | 0.0 | S |
| 199.300 | 0.0000 | 0.0000 | 80.925 | 0.13725 | 0.00000 | 602892.1 | 479993.0 | 0.0 | S |
| 199.308 | 0.0000 | 0.0000 | 80.925 | 0.13724 | 0.00000 | 602892.1 | 479997.2 | 0.0 | S |
| 199.317 | 0.0000 | 0.0000 | 80.925 | 0.13723 | 0.00000 | 602892.1 | 480001.3 | 0.0 | S |
| 199.325 | 0.0000 | 0.0000 | 80.925 | 0.13723 | 0.00000 | 602892.1 | 480005.4 | 0.0 | S |
| 199.333 | 0.0000 | 0.0000 | 80.925 | 0.13722 | 0.00000 | 602892.1 | 480009.5 | 0.0 | S |
| 199.342 | 0.0000 | 0.0000 | 80.925 | 0.13721 | 0.00000 | 602892.1 | 480013.6 | 0.0 | S |
| 199.350 | 0.0000 | 0.0000 | 80.925 | 0.13721 | 0.00000 | 602892.1 | 480017.7 | 0.0 | S |
| 199.358 | 0.0000 | 0.0000 | 80.925 | 0.13720 | 0.00000 | 602892.1 | 480021.8 | 0.0 | S |
| 199.367 | 0.0000 | 0.0000 | 80.925 | 0.13720 | 0.00000 | 602892.1 | 480026.0 | 0.0 | S |
| 199.375 | 0.0000 | 0.0000 | 80.925 | 0.13719 | 0.00000 | 602892.1 | 480030.1 | 0.0 | S |
| 199.383 | 0.0000 | 0.0000 | 80.924 | 0.13718 | 0.00000 | 602892.1 | 480034.2 | 0.0 | S |
| 199.392 | 0.0000 | 0.0000 | 80.924 | 0.13718 | 0.00000 | 602892.1 | 480038.3 | 0.0 | S |
| 199.400 | 0.0000 | 0.0000 | 80.924 | 0.13717 | 0.00000 | 602892.1 | 480042.4 | 0.0 | S |
| 199.408 | 0.0000 | 0.0000 | 80.924 | 0.13716 | 0.00000 | 602892.1 | 480046.5 | 0.0 | S |
| 199.417 | 0.0000 | 0.0000 | 80.924 | 0.13716 | 0.00000 | 602892.1 | 480050.7 | 0.0 | S |
| 199.425 | 0.0000 | 0.0000 | 80.924 | 0.13715 | 0.00000 | 602892.1 | 480054.8 | 0.0 | S |
| 199.433 | 0.0000 | 0.0000 | 80.924 | 0.13715 | 0.00000 | 602892.1 | 480058.9 | 0.0 | S |
| 199.442 | 0.0000 | 0.0000 | 80.924 | 0.13714 | 0.00000 | 602892.1 | 480063.0 | 0.0 | S |
| 199.450 | 0.0000 | 0.0000 | 80.924 | 0.13713 | 0.00000 | 602892.1 | 480067.1 | 0.0 | S |
| 199.458 | 0.0000 | 0.0000 | 80.924 | 0.13713 | 0.00000 | 602892.1 | 480071.2 | 0.0 | S |
| 199.467 | 0.0000 | 0.0000 | 80.924 | 0.13712 | 0.00000 | 602892.1 | 480075.3 | 0.0 | S |
| 199.475 | 0.0000 | 0.0000 | 80.924 | 0.13711 | 0.00000 | 602892.1 | 480079.4 | 0.0 | S |
| 199.483 | 0.0000 | 0.0000 | 80.923 | 0.13711 | 0.00000 | 602892.1 | 480083.6 | 0.0 | S |
| 199.492 | 0.0000 | 0.0000 | 80.923 | 0.13710 | 0.00000 | 602892.1 | 480087.7 | 0.0 | S |
| 199.500 | 0.0000 | 0.0000 | 80.923 | 0.13710 | 0.00000 | 602892.1 | 480091.8 | 0.0 | S |
| 199.508 | 0.0000 | 0.0000 | 80.923 | 0.13709 | 0.00000 | 602892.1 | 480095.9 | 0.0 | S |
| 199.517 | 0.0000 | 0.0000 | 80.923 | 0.13708 | 0.00000 | 602892.1 | 480100.0 | 0.0 | S |
| 199.525 | 0.0000 | 0.0000 | 80.923 | 0.13708 | 0.00000 | 602892.1 | 480104.1 | 0.0 | S |
| 199.533 | 0.0000 | 0.0000 | 80.923 | 0.13707 | 0.00000 | 602892.1 | 480108.3 | 0.0 | S |
| 199.542 | 0.0000 | 0.0000 | 80.923 | 0.13706 | 0.00000 | 602892.1 | 480112.3 | 0.0 | S |
| 199.550 | 0.0000 | 0.0000 | 80.923 | 0.13706 | 0.00000 | 602892.1 | 480116.5 | 0.0 | S |
| 199.558 | 0.0000 | 0.0000 | 80.923 | 0.13705 | 0.00000 | 602892.1 | 480120.6 | 0.0 | S |
| 199.567 | 0.0000 | 0.0000 | 80.923 | 0.13705 | 0.00000 | 602892.1 | 480124.7 | 0.0 | S |
| 199.575 | 0.0000 | 0.0000 | 80.923 | 0.13704 | 0.00000 | 602892.1 | 480128.8 | 0.0 | S |
| 199.583 | 0.0000 | 0.0000 | 80.922 | 0.13703 | 0.00000 | 602892.1 | 480132.9 | 0.0 | S |
| 199.592 | 0.0000 | 0.0000 | 80.922 | 0.13703 | 0.00000 | 602892.1 | 480137.0 | 0.0 | S |
| 199.600 | 0.0000 | 0.0000 | 80.922 | 0.13702 | 0.00000 | 602892.1 | 480141.1 | 0.0 | S |
| 199.608 | 0.0000 | 0.0000 | 80.922 | 0.13701 | 0.00000 | 602892.1 | 480145.3 | 0.0 | S |
| 199.617 | 0.0000 | 0.0000 | 80.922 | 0.13701 | 0.00000 | 602892.1 | 480149.3 | 0.0 | S |
| 199.625 | 0.0000 | 0.0000 | 80.922 | 0.13700 | 0.00000 | 602892.1 | 480153.5 | 0.0 | S |
| 199.633 | 0.0000 | 0.0000 | 80.922 | 0.13700 | 0.00000 | 602892.1 | 480157.6 | 0.0 | S |
| 199.642 | 0.0000 | 0.0000 | 80.922 | 0.13699 | 0.00000 | 602892.1 | 480161.7 | 0.0 | S |
| 199.650 | 0.0000 | 0.0000 | 80.922 | 0.13698 | 0.00000 | 602892.1 | 480165.8 | 0.0 | S |
| 199.658 | 0.0000 | 0.0000 | 80.922 | 0.13698 | 0.00000 | 602892.1 | 480169.9 | 0.0 | S |
| 199.667 | 0.0000 | 0.0000 | 80.922 | 0.13697 | 0.00000 | 602892.1 | 480174.0 | 0.0 | S |
| 199.675 | 0.0000 | 0.0000 | 80.922 | 0.13696 | 0.00000 | 602892.1 | 480178.1 | 0.0 | S |
| 199.683 | 0.0000 | 0.0000 | 80.922 | 0.13696 | 0.00000 | 602882.1 | 480182.2 | 0.0 | S |
| 199.692 | 0.0000 | 0.0000 | 80.921 | 0.13695 | 0.00000 | 602892.1 | 480186.3 | 0.0 | S |
| 199.700 | 0.0000 | 0.0000 | 80.921 | 0.13695 | 0.00000 | 602892.1 | 480190.4 | 0.0 | S |
| 199.708 | 0.0000 | 0.0000 | 80.921 | 0.13694 | 0.00000 | 602892.1 | 480194.6 | 0.0 | S |
| 199.717 | 0.0000 | 0.0000 | 80.921 | 0.13693 | 0.00000 | 602892.1 | 480198.7 | 0.0 | S |
| 199.725 | 0.0000 | 0.0000 | 80.921 | 0.13693 | 0.00000 | 602892.1 | 480202.8 | 0.0 | S |
| 199.733 | 0.0000 | 0.0000 | 80.921 | 0.13692 | 0.00000 | 602892.1 | 480206.9 | 0.0 | S |
| 199.742 | 0.0000 | 0.0000 | 80.921 | 0.13691 | 0.00000 | 602892.1 | 480211.0 | 0.0 | S |
| 199.750 | 0.0000 | 0.0000 | 80.921 | 0.13691 | 0.00000 | 602892.1 | 480215.1 | 0.0 | S |
| 199.758 | 0.0000 | 0.0000 | 80.921 | 0.13690 | 0.00000 | 602892.1 | 480219.2 | 0.0 | S |
| 199.767 | 0.0000 | 0.0000 | 80.921 | 0.13690 | 0.00000 | 602892.1 | 480223.3 | 0.0 | S |
| 199.775 | 0.0000 | 0.0000 | 80.921 | 0.13689 | 0.00000 | 602892.1 | 480227.4 | 0.0 | S |
| 199.783 | 0.0000 | 0.0000 | 80.921 | 0.13688 | 0.00000 | 602892.1 | 480231.5 | 0.0 | S |
| 199.792 | 0.0000 | 0.0000 | 80.920 | 0.13688 | 0.00000 | 602892.1 | 480235.6 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (f datum) | Infiltration Rate (f13/s) | Overflow Discharge ( $\mathrm{fl}^{3 / 3}$ ) | Cumulative Inflow Volume (ft ${ }^{3}$ ) | Cumulative Infititration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 199.800 | 0.0000 | 0.0000 | 80.920 | 0.13687 | 0.00000 | 602892.1 | 480239.7 | 0.0 | S |
| 199.808 | 0.0000 | 0.0000 | 80.920 | 0.13687 | 0.00000 | 602892.1 | 480243.8 | 0.0 | S |
| 199.817 | 0.0000 | 0.0000 | 80.920 | 0.13686 | 0.00000 | 602892.1 | 480247.9 | 0.0 | S |
| 199.825 | 0.0000 | 0.0000 | 80.920 | 0.13685 | 0.00000 | 602892.1 | 480252.1 | 0.0 | S |
| 199.833 | 0.0000 | 0.0000 | 80.920 | 0.13685 | 0.00000 | 602892.1 | 480256.2 | 0.0 | S |
| 199.842 | 0.0000 | 0.0000 | 80.920 | 0.13684 | 0.00000 | 602892.1 | 480260.3 | 0.0 | S |
| 199.850 | 0.0000 | 0.0000 | 80.920 | 0.13683 | 0.00000 | 602892.1 | 480264.4 | 0.0 | S |
| 199.858 | 0.0000 | 0.0000 | 80.920 | 0.13683 | 0.00000 | 602892.1 | 480268.5 | 0.0 | S |
| 199.867 | 0.0000 | 0.0000 | 80.920 | 0.13682 | 0.00000 | 602892.1 | 480272.6 | 0.0 | S |
| 199.875 | 0.0000 | 0.0000 | 80.920 | 0.13682 | 0.00000 | 602892.1 | 480276.7 | 0.0 | S |
| 199.883 | 0.0000 | 0.0000 | 80.920 | 0.13681 | 0.00000 | 602892.1 | 480280.8 | 0.0 | S |
| 199.892 | 0.0000 | 0.0000 | 80.919 | 0.13680 | 0.00000 | 602892.1 | 480284.9 | 0.0 | S |
| 199.900 | 0.0000 | 0.0000 | 80.919 | 0.13680 | 0.00000 | 602892.1 | 480289.0 | 0.0 | S |
| 199.908 | 0.0000 | 0.0000 | 80.919 | 0.13679 | 0.00000 | 602892.1 | 480293.1 | 0.0 | S |
| 199.917 | 0.0000 | 0.0000 | 80.919 | 0.13678 | 0.00000 | 602892.1 | 480297.2 | 0.0 | S |
| 199.925 | 0.0000 | 0.0000 | 80.919 | 0.13678 | 0.00000 | 602892.1 | 480301.3 | 0.0 | S |
| 199.933 | 0.0000 | 0.0000 | 80.919 | 0.13677 | 0.00000 | 602892.1 | 480305.4 | 0.0 | S |
| 199.942 | 0.0000 | 0.0000 | 80.919 | 0.13677 | 0.00000 | 602892.1 | 480309.5 | 0.0 | S |
| 199.950 | 0.0000 | 0.0000 | 80.919 | 0.13676 | 0.00000 | 602892.1 | 480313.6 | 0.0 | S |
| 199.958 | 0.0000 | 0.0000 | 80.919 | 0.13675 | 0.00000 | 602892.1 | 480317.7 | 0.0 | S |
| 199.967 | 0.0000 | 0.0000 | 80.919 | 0.13675 | 0.00000 | 602892.1 | 480321.8 | 0.0 | S |
| 199.975 | 0.0000 | 0.0000 | 80.919 | 0.13674 | 0.00000 | 602892.1 | 480325.9 | 0.0 | S |
| 199.983 | 0.0000 | 0.0000 | 80.919 | 0.13673 | 0.00000 | 602892.1 | 480330.0 | 0.0 | S |
| 199.992 | 0.0000 | 0.0000 | 80.919 | 0.13673 | 0.00000 | 602892.1 | 480334.1 | 0.0 | S |
| 200.000 | 0.0000 | 0.0000 | 80.918 | 0.13672 | 0.00000 | 602892.1 | 480338.2 | 0.0 | S |
| 200.008 | 0.0000 | 0.0000 | 80.918 | 0.13672 | 0.00000 | 602892.1 | 480342.3 | 0.0 | S |
| 200.017 | 0.0000 | 0.0000 | 80.918 | 0.13671 | 0.00000 | 602892.1 | 480346.4 | 0.0 | S |
| 200.025 | 0.0000 | 0.0000 | 80.918 | 0.13670 | 0.00000 | 602892.1 | 480350.5 | 0.0 | S |
| 200.033 | 0.0000 | 0.0000 | 80.918 | 0.13670 | 0.00000 | 602892.1 | 480354.6 | 0.0 | S |
| 200.042 | 0.0000 | 0.0000 | 80.918 | 0.13669 | 0.00000 | 602892.1 | 480358.7 | 0.0 | S |
| 200.050 | 0.0000 | 0.0000 | 80.918 | 0.13668 | 0.00000 | 602892.1 | 480362.8 | 0.0 | S |
| 200.058 | 0.0000 | 0.0000 | 80.918 | 0.13668 | 0.00000 | 602892.1 | 480366.9 | 0.0 | S |
| 200.067 | 0.0000 | 0.0000 | 80.918 | 0.13667 | 0.00000 | 602892.1 | 480371.0 | 0.0 | S |
| 200.075 | 0.0000 | 0.0000 | 80.918 | 0.13667 | 0.00000 | 602892.1 | 480375.1 | 0.0 | S |
| 200.083 | 0.0000 | 0.0000 | 80.918 | 0.13666 | 0.00000 | 602892.1 | 480379.2 | 0.0 | S |
| 200.092 | 0.0000 | 0.0000 | 80.918 | 0.13665 | 0.00000 | 602892.1 | 480383.3 | 0.0 | S |
| 200.100 | 0.0000 | 0.0000 | 80.917 | 0.13665 | 0.00000 | 602892.1 | 480387.4 | 0.0 | S |
| 200.108 | 0.0000 | 0.0000 | 80.917 | 0.13664 | 0.00000 | 602892.1 | 480391.5 | 0.0 | S |
| 200.117 | 0.0000 | 0.0000 | 80.917 | 0.13664 | 0.00000 | 602892.1 | 480395.6 | 0.0 | S |
| 200.125 | 0.0000 | 0.0000 | 80.917 | 0.13663 | 0.00000 | 602892.1 | 480399.7 | 0.0 | S |
| 200.133 | 0.0000 | 0.0000 | 80.917 | 0.13662 | 0.00000 | 602892.1 | 480403.8 | 0.0 | S |
| 200.142 | 0.0000 | 0.0000 | 80.917 | 0.13662 | 0.00000 | 602892.1 | 480407.9 | 0.0 | S |
| 200.150 | 0.0000 | 0.0000 | 80.917 | 0.13661 | 0.00000 | 602892.1 | 480412.0 | 0.0 | S |
| 200.158 | 0.0000 | 0.0000 | 80.917 | 0.13660 | 0.00000 | 602892.1 | 480416.1 | 0.0 | S |
| 200.167 | 0.0000 | 0.0000 | 80.917 | 0.13660 | 0.00000 | 602892.1 | 480420.2 | 0.0 | S |
| 200.175 | 0.0000 | 0.0000 | 80.917 | 0.13659 | 0.00000 | 602892.1 | 480424.3 | 0.0 | S |
| 200.183 | 0.0000 | 0.0000 | 80.917 | 0.13659 | 0.00000 | 602892.1 | 480428.4 | 0.0 | S |
| 200.192 | 0.0000 | 0.0000 | 80.917 | 0.13658 | 0.00000 | 602892.7 | 480432.5 | 0.0 | S |
| 200.200 | 0.0000 | 0.0000 | 80.917 | 0.13657 | 0.00000 | 602892.1 | 480436.6 | 0.0 | S |
| 200.208 | 0.0000 | 0.0000 | 80.916 | 0.13657 | 0.00000 | 602892.1 | 480440.7 | 0.0 | S |
| 200.217 | 0.0000 | 0.0000 | 80.916 | 0.13656 | 0.00000 | 602892.1 | 480444.8 | 0.0 | S |
| 200.225 | 0.0000 | 0.0000 | 80.916 | 0.13655 | 0.00000 | 602892.1 | 480448.9 | 0.0 | S |
| 200.233 | 0.0000 | 0.0000 | 80.916 | 0.13655 | 0.00000 | 602892.1 | 480453.0 | 0.0 | S |
| 200.242 | 0.0000 | 0.0000 | 80.916 | 0.13654 | 0.00000 | 602892.1 | 480457.1 | 0.0 | S |
| 200.250 | 0.0000 | 0.0000 | 80.916 | 0.13654 | 0.00000 | 602892.1 | 480461.2 | 0.0 | S |
| 200.258 | 0.0000 | 0.0000 | 80.916 | 0.13653 | 0.00000 | 602892.1 | 480465.3 | 0.0 | S |
| 200.267 | 0.0000 | 0.0000 | 80.916 | 0.13652 | 0.00000 | 602892.1 | 480469.4 | 0.0 | S |
| 200.275 | 0.0000 | 0.0000 | 80.916 | 0.13652 | 0.00000 | 602892.1 | 480473.5 | 0.0 | S |
| 200.283 | 0.0000 | 0.0000 | 80.916 | 0.13651 | 0.00000 | 602892.1 | 480477.6 | 0.0 | S |
| 200.292 | 0.0000 | 0.0000 | 80.916 | 0.13650 | 0.00000 | 602892.1 | 480481.7 | 0.0 | S |
| 200.300 | 0.0000 | 0.0000 | 80.916 | 0.13650 | 0.00000 | 602892.1 | 480485.8 | 0.0 | S |
| 200.308 | 0.0000 | 0.0000 | 80.915 | 0.13649 | 0.00000 | 602892.1 | 480489.8 | 0.0 | S |
| 200.317 | 0.0000 | 0.0000 | 80.915 | 0.13649 | 0.00000 | 602892.1 | 480494.0 | 0.0 | S |
| 200.325 | 0.0000 | 0.0000 | 80.915 | 0.13648 | 0.00000 | 602892.1 | 480498.1 | 0.0 | S |
| 200.333 | 0.0000 | 0.0000 | 80.915 | 0.13647 | 0.00000 | 602892.1 | 480502.2 | 0.0 | S |
| 200.342 | 0.0000 | 0.0000 | 80.915 | 0.13647 | 0.00000 | 602892.1 | 480506.3 | 0.0 | S |
| 200.350 | 0.0000 | 0.0000 | 80.915 | 0.13646 | 0.00000 | 602892.1 | 480510.3 | 0.0 | S |
| 200.358 | 0.0000 | 0.0000 | 80.915 | 0.13646 | 0.00000 | 602892.1 | 480514.4 | 0.0 | S |
| 200.367 | 0.0000 | 0.0000 | 80.915 | 0.13645 | 0.00000 | 602892.1 | 480518.5 | 0.0 | S |
| 200.375 | 0.0000 | 0.0000 | 80.915 | 0.13644 | 0.00000 | 602892.1 | 480522.6 | 0.0 | S |
| 200.383 | 0.0000 | 0.0000 | 80.915 | 0.13644 | 0.00000 | 602892.1 | 480526.7 | 0.0 | S |
| 200.392 | 0.0000 | 0.0000 | 80.915 | 0.13643 | 0.00000 | 602892.1 | 480530.8 | 0.0 | S |
| 200.400 | 0.0000 | 0.0000 | 80.915 | 0.13642 | 0.00000 | 602892.1 | 480534.9 | 0.0 | S |
| 200.408 | 0.0000 | 0.0000 | 80.914 | 0.13642 | 0.00000 | 602892.1 | 480539.0 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | \{nflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation ( ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume (ft ${ }^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 200.417 | 0.0000 | 0.0000 | 80.914 | 0.13641 | 0.00000 | 602892.1 | 480543.1 | 0.0 | S |
| 200.425 | 0.0000 | 0.0000 | 80.914 | 0.13641 | 0.00000 | 602892.1 | 480547.2 | 0.0 | S |
| 200.433 | 0.0000 | 0.0000 | 80.914 | 0.13640 | 0.00000 | 602892.1 | 480551.3 | 0.0 | S |
| 200.442 | 0.0000 | 0.0000 | 80.914 | 0.13639 | 0.00000 | 602892.1 | 480555.3 | 0.0 | S |
| 200.450 | 0.0000 | 0.0000 | 80.914 | 0.13639 | 0.00000 | 602892.1 | 480559.4 | 0.0 | S |
| 200.458 | 0.0000 | 0.0000 | 80.914 | 0.13638 | 0.00000 | 602892.1 | 480563.5 | 0.0 | S |
| 200.467 | 0.0000 | 0.0000 | 80.914 | 0.13637 | 0.00000 | 602892.1 | 480567.6 | 0.0 | S |
| 200.475 | 0.0000 | 0.0000 | 80.914 | 0.13637 | 0.00000 | 602892.1 | 480571.7 | 0.0 | S |
| 200.483 | 0.0000 | 0.0000 | 80.914 | 0.13636 | 0.00000 | 602892.1 | 480575.8 | 0.0 | S |
| 200.492 | 0.0000 | 0.0000 | 80.914 | 0.13636 | 0.00000 | 602892.1 | 480579.9 | 0.0 | S |
| 200.500 | 0.0000 | 0.0000 | 80.914 | 0.13635 | 0.00000 | 602892.1 | 480584.0 | 0.0 | S |
| 200.508 | 0.0000 | 0.0000 | 80.914 | 0.13634 | 0.00000 | 602892.1 | 480588.1 | 0.0 | S |
| 200.517 | 0.0000 | 0.0000 | 80.913 | 0.13634 | 0.00000 | 602892.1 | 480592.2 | 0.0 | S |
| 200.525 | 0.0000 | 0.0000 | 80.913 | 0.13633 | 0.00000 | 602892.1 | 480596.3 | 0.0 | S |
| 200.533 | 0.0000 | 0.0000 | 80.913 | 0.13633 | 0.00000 | 602892.1 | 480600.3 | 0.0 | S |
| 200.542 | 0.0000 | 0.0000 | 80.913 | 0.13632 | 0.00000 | 602892.1 | 480604.4 | 0.0 | S |
| 200.550 | 0.0000 | 0.0000 | 80.913 | 0.13631 | 0.00000 | 602892.1 | 480608.5 | 0.0 | S |
| 200.558 | 0.0000 | 0.0000 | 80.913 | 0.13631 | 0.00000 | 602892.1 | 480612.6 | 0.0 | S |
| 200.567 | 0.0000 | 0.0000 | 80.913 | 0.13630 | 0.00000 | 602892.1 | 480616.7 | 0.0 | S |
| 200.575 | 0.0000 | 0.0000 | 80.913 | 0.13629 | 0.00000 | 602892.1 | 480620.8 | 0.0 | S |
| 200.583 | 0.0000 | 0.0000 | 80.913 | 0.13629 | 0.00000 | 602892.1 | 480624.9 | 0.0 | S |
| 200.592 | 0.0000 | 0.0000 | 80.913 | 0.13628 | 0.00000 | 602892.1 | 480629.0 | 0.0 | S |
| 200.600 | 0.0000 | 0.0000 | 80.913 | 0.13628 | 0.00000 | 602892.1 | 480633.1 | 0.0 | S |
| 200.608 | 0.0000 | 0.0000 | 80.913 | 0.13627 | 0.00000 | 602892.1 | 480637.2 | 0.0 | S |
| 200.617 | 0.0000 | 0.0000 | 80.912 | 0.13626 | 0.00000 | 602892.1 | 480641.3 | 0.0 | S |
| 200.625 | 0.0000 | 0.0000 | 80.912 | 0.13626 | 0.00000 | 602892.1 | 480645.3 | 0.0 | S |
| 200.633 | 0.0000 | 0.0000 | 80.912 | 0.13625 | 0.00000 | 602892.1 | 480649.4 | 0.0 | S |
| 200.642 | 0.0000 | 0.0000 | 80.912 | 0.13625 | 0.00000 | 602892.1 | 480653.5 | 0.0 | S |
| 200.650 | 0.0000 | 0.0000 | 80.912 | 0.13624 | 0.00000 | 602892.1 | 480657.6 | 0.0 | S |
| 200.658 | 0.0000 | 0.0000 | 80.912 | 0.13623 | 0.00000 | 602892.1 | 480661.7 | 0.0 | S |
| 200.667 | 0.0000 | 0.0000 | 80.912 | 0.13623 | 0.00000 | 602892.1 | 480665.8 | 0.0 | S |
| 200.675 | 0.0000 | 0.0000 | 80.912 | 0.13622 | 0.00000 | 602892.1 | 480669.8 | 0.0 | S |
| 200.683 | 0.0000 | 0.0000 | 80.912 | 0.13621 | 0.00000 | 602892.1 | 480673.9 | 0.0 | S |
| 200.692 | 0.0000 | 0.0000 | 80.912 | 0.13621 | 0.00000 | 602892.1 | 480678.0 | 0.0 | S |
| 200.700 | 0.0000 | 0.0000 | 80.912 | 0.13620 | 0.00000 | 602892.1 | 480682.1 | 0.0 | S |
| 200.708 | 0.0000 | 0.0000 | 80.912 | 0.13620 | 0.00000 | 602892.1 | 480686.2 | 0.0 | S |
| 200.717 | 0.0000 | 0.0000 | 80.912 | 0.13619 | 0.00000 | 602892.1 | 480690.3 | 0.0 | S |
| 200.725 | 0.0000 | 0.0000 | 80.911 | 0.13618 | 0.00000 | 602892.1 | 480694.4 | 0.0 | S |
| 200.733 | 0.0000 | 0.0000 | 80.911 | 0.13618 | 0.00000 | 602892.1 | 480698.4 | 0.0 | S |
| 200.742 | 0.0000 | 0.0000 | 80.911 | 0.13617 | 0.00000 | 602892.1 | 480702.5 | 0.0 | S |
| 200.750 | 0.0000 | 0.0000 | 80.911 | 0.13616 | 0.00000 | 602892.1 | 480706.6 | 0.0 | S |
| 200.758 | 0.0000 | 0.0000 | 80.911 | 0.13616 | 0.00000 | 602892.1 | 480710.7 | 0.0 | S |
| 200.767 | 0.0000 | 0.0000 | 80.911 | 0.13615 | 0.00000 | 602892.1 | 480714.8 | 0.0 | S |
| 200.775 | 0.0000 | 0.0000 | 80.911 | 0.13615 | 0.00000 | 602892.1 | 480718.9 | 0.0 | S |
| 200.783 | 0.0000 | 0.0000 | 80.911 | 0.13614 | 0.00000 | 602892.1 | 480723.0 | 0.0 | S |
| 200.792 | 0.0000 | 0.0000 | 80.911 | 0.13613 | 0.00000 | 602892.1 | 480727.0 | 0.0 | S |
| 200.800 | 0.0000 | 0.0000 | 80.911 | 0.13613 | 0.00000 | 602892.1 | 480731.1 | 0.0 | S |
| 200.808 | 0.0000 | 0.0000 | 80.911 | 0.13612 | 0.00000 | 602892.1 | 480735.2 | 0.0 | S |
| 200.817 | 0.0000 | 0.0000 | 80.911 | 0.13612 | 0.00000 | 602892.1 | 480739.3 | 0.0 | S |
| 200.825 | 0.0000 | 0.0000 | 80.910 | 0.13611 | 0.00000 | 602892.1 | 480743.4 | 0.0 | S |
| 200.833 | 0.0000 | 0.0000 | 80.910 | 0.13610 | 0.00000 | 602892.1 | 480747.5 | 0.0 | S |
| 200.842 | 0.0000 | 0.0000 | 80.910 | 0.13610 | 0.00000 | 602892.1 | 480751.5 | 0.0 | S |
| 200.850 | 0.0000 | 0.0000 | 80.910 | 0.13609 | 0.00000 | 602892.1 | 480755.6 | 0.0 | S |
| 200.858 | 0.0000 | 0.0000 | 80.910 | 0.13608 | 0.00000 | 602892.1 | 480759.7 | 0.0 | S |
| 200.867 | 0.0000 | 0.0000 | 80.910 | 0.13608 | 0.00000 | 602892.1 | 480763.8 | 0.0 | S |
| 200.875 | 0.0000 | 0.0000 | 80.910 | 0.13607 | 0.00000 | 602892.1 | 480767.9 | 0.0 | S |
| 200.883 | 0.0000 | 0.0000 | 80.910 | 0.13607 | 0.00000 | 602892.1 | 480772.0 | 0.0 | S |
| 200.892 | 0.0000 | 0.0000 | 80.910 | 0.13606 | 0.00000 | 602892.1 | 480776.0 | 0.0 | S |
| 200.900 | 0.0000 | 0.0000 | 80.910 | 0.13605 | 0.00000 | 602892.1 | 480780.1 | 0.0 | S |
| 200.908 | 0.0000 | 0.0000 | 80.910 | 0.13605 | 0.00000 | 602892.1 | 480784.2 | 0.0 | S |
| 200.917 | 0.0000 | 0.0000 | 80.910 | 0.13604 | 0.00000 | 602892.1 | 480788.3 | 0.0 | S |
| 200.925 | 0.0000 | 0.0000 | 80.910 | 0.13604 | 0.00000 | 602892.1 | 480792.4 | 0.0 | S |
| 200.933 | 0.0000 | 0.0000 | 80.909 | 0.13603 | 0.00000 | 602892.1 | 480796.4 | 0.0 | S |
| 200.942 | 0.0000 | 0.0000 | 80.909 | 0.13602 | 0.00000 | 602892.1 | 480800.5 | 0.0 | S |
| 200.950 | 0.0000 | 0.0000 | 80.909 | 0.13602 | 0.00000 | 602892.1 | 480804.6 | 0.0 | S |
| 200.958 | 0.0000 | 0.0000 | 80.909 | 0.13601 | 0.00000 | 602892.1 | 480808.7 | 0.0 | S |
| 200.967 | 0.0000 | 0.0000 | 80.909 | 0.13600 | 0.00000 | 602892.1 | 480812.8 | 0.0 | S |
| 200.975 | 0.0000 | 0.0000 | 80.909 | 0.13600 | 0.00000 | 602892.1 | 480816.8 | 0.0 | S |
| 200.983 | 0.0000 | 0.0000 | 80.909 | 0.13599 | 0.00000 | 602892.1 | 480820.9 | 0.0 | S |
| 200.992 | 0.0000 | 0.0000 | 80.909 | 0.13599 | 0.00000 | 602892.1 | 480825.0 | 0.0 | S |
| 201.000 | 0.0000 | 0.0000 | 80.909 | 0.13598 | 0.00000 | 602892.1 | 480829.1 | 0.0 | S |
| 201.008 | 0.0000 | 0.0000 | 80.909 | 0.13597 | 0.00000 | 602892.1 | 480833.2 | 0.0 | S |
| 201.017 | 0.0000 | 0.0000 | 80.909 | 0.13597 | 0.00000 | 602892.1 | 480837.3 | 0.0 | S |
| 201.025 | 0.0000 | 0.0000 | 80.909 | 0.13596 | 0.00000 | 602892.1 | 480841.3 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow <br> Discharge $\left(\mathrm{ft}^{3 / 3} \mathrm{~s}\right)$ | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 201.033 | 0.0000 | 0.0000 | 80.908 | 0.13596 | 0.00000 | 602892.1 | 480845.4 | 0.0 | S |
| 201.042 | 0.0000 | 0.0000 | 80.908 | 0.13595 | 0.00000 | 602892.1 | 480849.5 | 0.0 | S |
| 201.050 | 0.0000 | 0.0000 | 80.908 | 0.13594 | 0.00000 | 602892.1 | 480853.6 | 0.0 | S |
| 201.058 | 0.0000 | 0.0000 | 80.908 | 0.13594 | 0.00000 | 602892.1 | 480857.6 | 0.0 | S |
| 201.067 | 0.0000 | 0.0000 | 80.908 | 0.13593 | 0.00000 | 602892.1 | 480861.7 | 0.0 | S |
| 201.075 | 0.0000 | 0.0000 | 80.908 | 0.13592 | 0.00000 | 602892.1 | 480865.8 | 0.0 | S |
| 201.083 | 0.0000 | 0.0000 | 80.908 | 0.13592 | 0.00000 | 602892.1 | 480869.9 | 0.0 | S |
| 201.092 | 0.0000 | 0.0000 | 80.908 | 0.13591 | 0.00000 | 602892.1 | 480873.9 | 0.0 | S |
| 201.100 | 0.0000 | 0.0000 | 80.908 | 0.13591 | 0.00000 | 602892.1 | 480878.0 | 0.0 | S |
| 201.108 | 0.0000 | 0.0000 | 80.908 | 0.13590 | 0.00000 | 602892.1 | 480882.1 | 0.0 | S |
| 201.117 | 0.0000 | 0.0000 | 80.908 | 0.13589 | 0.00000 | 602892.1 | 480886.2 | 0.0 | S |
| 201.125 | 0.0000 | 0.0000 | 80.908 | 0.13589 | 0.00000 | 602892.1 | 480890.3 | 0.0 | S |
| 201.133 | 0.0000 | 0.0000 | 80.907 | 0.13588 | 0.00000 | 602892.1 | 480894.3 | 0.0 | S |
| 201.142 | 0.0000 | 0.0000 | 80.907 | 0.13588 | 0.00000 | 602892.1 | 480898.4 | 0.0 | S |
| 201.150 | 0.0000 | 0.0000 | 80.907 | 0.13587 | 0.00000 | 602892.1 | 480902.5 | 0.0 | S |
| 201.158 | 0.0000 | 0.0000 | 80.907 | 0.13586 | 0.00000 | 602892.1 | 480906.6 | 0.0 | S |
| 201.167 | 0.0000 | 0.0000 | 80.907 | 0.13586 | 0.00000 | 602892.1 | 480910.6 | 0.0 | S |
| 201.175 | 0.0000 | 0.0000 | 80.907 | 0.13585 | 0.00000 | 602892.1 | 480914.7 | 0.0 | S |
| 201.183 | 0.0000 | 0.0000 | 80.907 | 0.13584 | 0.00000 | 602892.1 | 480918.8 | 0.0 | S |
| 201.192 | 0.0000 | 0.0000 | 80.907 | 0.13584 | 0.00000 | 602892.1 | 480922.9 | 0.0 | S |
| 201.200 | 0.0000 | 0.0000 | 80.907 | 0.13583 | 0.00000 | 602892.1 | 480926.9 | 0.0 | S |
| 201.208 | 0.0000 | 0.0000 | 80.907 | 0.13583 | 0.00000 | 602892.1 | 480931.0 | 0.0 | S |
| 201.217 | 0.0000 | 0.0000 | 80.907 | 0.13582 | 0.00000 | 602892.1 | 480935.1 | 0.0 | S |
| 201.225 | 0.0000 | 0.0000 | 80.907 | 0.13581 | 0.00000 | 602892.1 | 480939.2 | 0.0 | S |
| 201.233 | 0.0000 | 0.0000 | 80.907 | 0.13581 | 0.00000 | 602892.1 | 480943.3 | 0.0 | S |
| 201.242 | 0.0000 | 0.0000 | 80.906 | 0.13580 | 0.00000 | 602892.1 | 480947.3 | 0.0 | S |
| 201.250 | 0.0000 | 0.0000 | 80.906 | 0.13580 | 0.00000 | 602892.1 | 480951.4 | 0.0 | S |
| 201.258 | 0.0000 | 0.0000 | 80.906 | 0.13579 | 0.00000 | 602892.1 | 480955.5 | 0.0 | S |
| 201.267 | 0.0000 | 0.0000 | 80.906 | 0.13578 | 0.00000 | 602892.1 | 480959.5 | 0.0 | S |
| 201.275 | 0.0000 | 0.0000 | 80.906 | 0.13578 | 0.00000 | 602892.1 | 480963.6 | 0.0 | S |
| 201.283 | 0.0000 | 0.0000 | 80.906 | 0.13577 | 0.00000 | 602892.1 | 480967.7 | 0.0 | S |
| 201.292 | 0.0000 | 0.0000 | 80.906 | 0.13576 | 0.00000 | 602892.1 | 480971.8 | 0.0 | S |
| 201.300 | 0.0000 | 0.0000 | 80.906 | 0.13576 | 0.00000 | 602892.1 | 480975.8 | 0.0 | S |
| 201.308 | 0.0000 | 0.0000 | 80.906 | 0.13575 | 0.00000 | 602892.1 | 480979.9 | 0.0 | S |
| 201.317 | 0.0000 | 0.0000 | 80.906 | 0.13575 | 0.00000 | 602892.1 | 480984.0 | 0.0 | S |
| 201.325 | 0.0000 | 0.0000 | 80.906 | 0.13574 | 0.00000 | 602892.1 | 480988.0 | 0.0 | S |
| 201.333 | 0.0000 | 0.0000 | 80.906 | 0.13573 | 0.00000 | 602892.1 | 480992.1 | 0.0 | S |
| 201.342 | 0.0000 | 0.0000 | 80.905 | 0.13573 | 0.00000 | 602892.1 | 480996.2 | 0.0 | S |
| 201.350 | 0.0000 | 0.0000 | 80.905 | 0.13572 | 0.00000 | 602892.1 | 481000.3 | 0.0 | S |
| 201.358 | 0.0000 | 0.0000 | 80.905 | 0.13572 | 0.00000 | 602892.1 | 481004.3 | 0.0 | S |
| 201.367 | 0.0000 | 0.0000 | 80.905 | 0.13571 | 0.00000 | 602892.1 | 481008.4 | 0.0 | S |
| 201.375 | 0.0000 | 0.0000 | 80.905 | 0.13570 | 0.00000 | 602892.1 | 481012.5 | 0.0 | S |
| 201.383 | 0.0000 | 0.0000 | 80.905 | 0.13570 | 0.00000 | 602892.1 | 481016.5 | 0.0 | S |
| 201.392 | 0.0000 | 0.0000 | 80.905 | 0.13569 | 0.00000 | 602892.1 | 481020.6 | 0.0 | S |
| 201.400 | 0.0000 | 0.0000 | 80.905 | 0.13568 | 0.00000 | 602892.1 | 481024.7 | 0.0 | S |
| 201.408 | 0.0000 | 0.0000 | 80.905 | 0.13568 | 0.00000 | 602892.1 | 481028.8 | 0.0 | S |
| 201.417 | 0.0000 | 0.0000 | 80.905 | 0.13567 | 0.00000 | 602892.1 | 481032.8 | 0.0 | S |
| 201.425 | 0.0000 | 0.0000 | 80.905 | 0.13567 | 0.00000 | 602892.1 | 481036.9 | 0.0 | S |
| 201.433 | 0.0000 | 0.0000 | 80.905 | 0.13566 | 0.00000 | 602892.1 | 481041.0 | 0.0 | S |
| 201.442 | 0.0000 | 0.0000 | 80.905 | 0.13565 | 0.00000 | 602892.1 | 481045.0 | 0.0 | S |
| 201.450 | 0.0000 | 0,0000 | 80.904 | 0.13565 | 0.00000 | 602892.1 | 481049.1 | 0.0 | S |
| 201.458 | 0.0000 | 0.0000 | 80.904 | 0.13564 | 0.00000 | 602892.1 | 481053.2 | 0.0 | S |
| 201.467 | 0.0000 | 0.0000 | 80.904 | 0.13564 | 0.00000 | 602892.1 | 481057.3 | 0.0 | S |
| 201.475 | 0.0000 | 0.0000 | 80.904 | 0.13563 | 0.00000 | 602892.1 | 481061.3 | 0.0 | S |
| 201.483 | 0.0000 | 0.0000 | 80.904 | 0.13562 | 0.00000 | 602892.1 | 481065.4 | 0.0 | S |
| 201.492 | 0.0000 | 0.0000 | 80.904 | 0.13562 | 0.00000 | 602892.1 | 481069.4 | 0.0 | S |
| 201.500 | 0.0000 | 0.0000 | 80.904 | 0.13561 | 0.00000 | 602892.1 | 481073.5 | 0.0 | S |
| 201.508 | 0.0000 | 0.0000 | 80.904 | 0.13561 | 0.00000 | 602892.1 | 481077.6 | 0.0 | S |
| 201.517 | 0.0000 | 0.0000 | 80.904 | 0.13560 | 0.00000 | 602892.1 | 481081.7 | 0.0 | S |
| 201.525 | 0.0000 | 0.0000 | 80.904 | 0.13559 | 0.00000 | 602892.1 | 481085.7 | 0.0 | S |
| 201.533 | 0.0000 | 0.0000 | 80.904 | 0.13559 | 0.00000 | 602892.1 | 481089.8 | 0.0 | S |
| 201.542 | 0.0000 | 0.0000 | 80.904 | 0.13558 | 0.00000 | 602892.1 | 481093.8 | 0.0 | S |
| 201.550 | 0.0000 | 0.0000 | 80.903 | 0.13557 | 0.00000 | 602892.1 | 481097.9 | 0.0 | S |
| 201.558 | 0.0000 | 0.0000 | 80.903 | 0.13557 | 0.00000 | 602892.1 | 481102.0 | 0.0 | S |
| 201.567 | 0.0000 | 0.0000 | 80.903 | 0.13556 | 0.00000 | 602892.1 | 481106.1 | 0.0 | S |
| 201.575 | 0.0000 | 0.0000 | 80.903 | 0.13556 | 0.00000 | 602892.1 | 481110.1 | 0.0 | S |
| 201.583 | 0.0000 | 0.0000 | 80.903 | 0.13555 | 0.00000 | 602892.1 | 481114.2 | 0.0 | S |
| 201.592 | 0.0000 | 0.0000 | 80.903 | 0.13554 | 0.00000 | 602892.1 | 481118.3 | 0.0 | S |
| 201.600 | 0.0000 | 0.0000 | 80.903 | 0.13554 | 0.00000 | 602892.1 | 481122.3 | 0.0 | S |
| 201.608 | 0.0000 | 0.0000 | 80.903 | 0.13553 | 0.00000 | 602892.1 | 481126.4 | 0.0 | S |
| 201.617 | 0.0000 | 0.0000 | 80.903 | 0.13553 | 0.00000 | 602892.1 | 481130.5 | 0.0 | S |
| 201.625 | 0.0000 | 0.0000 | 80.903 | 0.13552 | 0.00000 | 602892.1 | 481134.5 | 0.0 | S |
| 201.633 | 0.0000 | 0.0000 | 80.903 | 0.13551 | 0.00000 | 602892.1 | 481138.6 | 0.0 | S |
| 201.642 | 0.0000 | 0.0000 | 80.903 | 0.13551 | 0.00000 | 602892.1 | 481142.7 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (f/day) | Stage Elevation (ft datum) | Infiltration Rate (ft3/s) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{t}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 201.650 | 0.0000 | 0.0000 | 80.903 | 0.13550 | 0.00000 | 602892.1 | 481146.7 | 0.0 | S |
| 201.658 | 0.0000 | 0.0000 | 80.902 | 0.13550 | 0.00000 | 602892.1 | 481150.8 | 0.0 | S |
| 201.667 | 0.0000 | 0.0000 | 80.902 | 0.13549 | 0.00000 | 602892.1 | 481154.8 | 0.0 | S |
| 201.675 | 0.0000 | 0.0000 | 80.902 | 0.13548 | 0.00000 | 602892.1 | 481158.9 | 0.0 | S |
| 201.683 | 0.0000 | 0.0000 | 80.902 | 0.13548 | 0.00000 | 602892.1 | 481163.0 | 0.0 | S |
| 201.692 | 0.0000 | 0.0000 | 80.902 | 0.13547 | 0.00000 | 602892.1 | 481167.0 | 0.0 | S |
| 201.700 | 0.0000 | 0.0000 | 80.902 | 0.13546 | 0.00000 | 602892.1 | 481171.1 | 0.0 | S |
| 201.708 | 0.0000 | 0.0000 | 80.902 | 0.13546 | 0.00000 | 602892.1 | 481175.2 | 0.0 | S |
| 201.717 | 0.0000 | 0.0000 | 80.902 | 0.13545 | 0.00000 | 602892.1 | 481179.2 | 0.0 | S |
| 201.725 | 0.0000 | 0.0000 | 80.902 | 0.13545 | 0.00000 | 602892.7 | 481183.3 | 0.0 | S |
| 201.733 | 0.0000 | 0.0000 | 80.902 | 0.13544 | 0.00000 | 602892.1 | 481187.4 | 0.0 | S |
| 201.742 | 0.0000 | 0.0000 | 80.902 | 0.13543 | 0.00000 | 602892.1 | 481191.4 | 0.0 | S |
| 201.750 | 0.0000 | 0.0000 | 80.902 | 0.13543 | 0.00000 | 602892.1 | 481195.5 | 0.0 | S |
| 201.758 | 0.0000 | 0.0000 | 80.901 | 0.13542 | 0.00000 | 602892.1 | 481199.6 | 0.0 | S |
| 201.767 | 0.0000 | 0.0000 | 80.901 | 0.13542 | 0.00000 | 602892.1 | 481203.6 | 0.0 | S |
| 201.775 | 0.0000 | 0.0000 | 80.901 | 0.13541 | 0.00000 | 602892.1 | 481207.7 | 0.0 | S |
| 201.783 | 0.0000 | 0.0000 | 80.901 | 0.13540 | 0.00000 | 602892.1 | 481211.8 | 0.0 | S |
| 201.792 | 0.0000 | 0.0000 | 80.901 | 0.13540 | 0.00000 | 602892.1 | 481215.8 | 0.0 | S |
| 201.800 | 0.0000 | 0.0000 | 80.901 | 0.13539 | 0.00000 | 602892.1 | 481219.9 | 0.0 | S |
| 201.808 | 0.0000 | 0.0000 | 80.901 | 0.13538 | 0.00000 | 602892.1 | 481223.9 | 0.0 | S |
| 201.817 | 0.0000 | 0.0000 | 80.901 | 0.13538 | 0.00000 | 602892.1 | 481228.0 | 0.0 | S |
| 201.825 | 0.0000 | 0.0000 | 80.901 | 0.13537 | 0.00000 | 602892.1 | 481232.0 | 0.0 | S |
| 201.833 | 0.0000 | 0.0000 | 80.901 | 0.13537 | 0.00000 | 602892.1 | 481236.1 | 0.0 | S |
| 201.842 | 0.0000 | 0.0000 | 80.901 | 0.13536 | 0.00000 | 602892.1 | 481240.2 | 0.0 | S |
| 201.850 | 0.0000 | 0.0000 | 80.901 | 0.13535 | 0.00000 | 602892.1 | 481244.2 | 0.0 | S |
| 201.858 | 0.0000 | 0.0000 | 80.901 | 0.13535 | 0.00000 | 602892.1 | 481248.3 | 0.0 | S |
| 201.867 | 0.0000 | 0.0000 | 80.900 | 0.13534 | 0.00000 | 602892.1 | 481252.3 | 0.0 | S |
| 201.875 | 0.0000 | 0.0000 | 80.900 | 0.13534 | 0.00000 | 602892.1 | 481256.4 | 0.0 | S |
| 201.883 | 0.0000 | 0.0000 | 80.900 | 0.13533 | 0.00000 | 602892.1 | 481260.5 | 0.0 | S |
| 201.892 | 0.0000 | 0.0000 | 80.900 | 0.13532 | 0.00000 | 602892.1 | 481264.5 | 0.0 | S |
| 201.900 | 0.0000 | 0.0000 | 80.900 | 0.13532 | 0.00000 | 602892.1 | 481268.6 | 0.0 | S |
| 201.908 | 0.0000 | 0.0000 | 80.900 | 0.13531 | 0.00000 | 602892.1 | 481272.7 | 0.0 | S |
| 201.917 | 0.0000 | 0.0000 | 80.900 | 0.13531 | 0.00000 | 602892.1 | 481276.7 | 0.0 | S |
| 201.925 | 0.0000 | 0.0000 | 80.900 | 0.13530 | 0.00000 | 602892.1 | 481280.8 | 0.0 | S |
| 201.933 | 0.0000 | 0.0000 | 80.900 | 0.13529 | 0.00000 | 602892.1 | 481284.8 | 0.0 | S |
| 201.942 | 0.0000 | 0.0000 | 80.900 | 0.13529 | 0.00000 | 602892.1 | 481288.9 | 0.0 | S |
| 201.950 | 0.0000 | 0.0000 | 80.900 | 0.13528 | 0.00000 | 602892.1 | 481292.9 | 0.0 | S |
| 201.958 | 0.0000 | 0.0000 | 80.900 | 0.13528 | 0.00000 | 602892.1 | 481297.0 | 0.0 | S |
| 201.967 | 0.0000 | 0.0000 | 80.899 | 0.13527 | 0.00000 | 602892.1 | 481301.1 | 0.0 | S |
| 201.975 | 0.0000 | 0.0000 | 80.899 | 0.13526 | 0.00000 | 602892.1 | 481305.1 | 0.0 | S |
| 201.983 | 0.0000 | 0.0000 | 80.899 | 0.13526 | 0.00000 | 602892.1 | 481309.2 | 0.0 | S |
| 201.992 | 0.0000 | 0.0000 | 80.899 | 0.13525 | 0.00000 | 602892.1 | 481313.2 | 0.0 | S |
| 202.000 | 0.0000 | 0.0000 | 80.899 | 0.13524 | 0.00000 | 602892.1 | 481317.3 | 0.0 | S |
| 202.008 | 0.0000 | 0.0000 | 80.899 | 0.13524 | 0.00000 | 602892.1 | 481321.3 | 0.0 | S |
| 202.017 | 0.0000 | 0.0000 | 80.899 | 0.13523 | 0.00000 | 602892.1 | 481325.4 | 0.0 | S |
| 202.025 | 0.0000 | 0.0000 | 80.899 | 0.13523 | 0.00000 | 602892.1 | 481329.5 | 0.0 | S |
| 202.033 | 0.0000 | 0.0000 | 80.899 | 0.13522 | 0.00000 | 602892.1 | 481333.5 | 0.0 | S |
| 202.042 | 0.0000 | 0.0000 | 80.899 | 0.13521 | 0.00000 | 602892.1 | 481337.6 | 0.0 | S |
| 202.050 | 0.0000 | 0.0000 | 80.899 | 0.13521 | 0.00000 | 602892.1 | 481341.6 | 0.0 | S |
| 202.058 | 0.0000 | 0.0000 | 80.899 | 0.13520 | 0.00000 | 602892.1 | 481345.7 | 0.0 | S |
| 202.067 | 0.0000 | 0.0000 | 80.899 | 0.13520 | 0.00000 | 602892.1 | 481349.8 | 0.0 | S |
| 202.075 | 0.0000 | 0.0000 | 80.898 | 0.13519 | 0.00000 | 602892.1 | 481353.8 | 0.0 | S |
| 202.083 | 0.0000 | 0.0000 | 80.898 | 0.13518 | 0.00000 | 602892.1 | 481357.8 | 0.0 | S |
| 202.092 | 0.0000 | 0.0000 | 80.898 | 0.13518 | 0.00000 | 602892.1 | 481361.9 | 0.0 | S |
| 202.100 | 0.0000 | 0.0000 | 80.898 | 0.13517 | 0.00000 | 602892.1 | 481366.0 | 0.0 | S |
| 202.108 | 0.0000 | 0.0000 | 80.898 | 0.13517 | 0.00000 | 602892.1 | 481370.0 | 0.0 | S |
| 202.117 | 0.0000 | 0.0000 | 80.898 | 0.13516 | 0.00000 | 602892.1 | 481374.1 | 0.0 | S |
| 202.125 | 0.0000 | 0.0000 | 80.898 | 0.13515 | 0.00000 | 602892.1 | 481378.1 | 0.0 | S |
| 202.133 | 0.0000 | 0.0000 | 80.898 | 0.13515 | 0.00000 | 602892.1 | 481382.2 | 0.0 | S |
| 202.142 | 0.0000 | 0.0000 | 80.898 | 0.13514 | 0.00000 | 602892.1 | 481386.3 | 0.0 | S |
| 202.150 | 0.0000 | 0.0000 | 80.898 | 0.13513 | 0.00000 | 602892.1 | 481390.3 | 0.0 | S |
| 202.158 | 0.0000 | 0.0000 | 80.898 | 0.13513 | 0.00000 | 602892.1 | 481394.3 | 0.0 | S |
| 202.167 | 0.0000 | 0.0000 | 80.898 | 0.13512 | 0.00000 | 602892.1 | 481398.4 | 0.0 | S |
| 202.175 | 0.0000 | 0.0000 | 80.897 | 0.13512 | 0.00000 | 602892.1 | 481402.4 | 0.0 | S |
| 202.183 | 0.0000 | 0.0000 | 80.897 | 0.13511 | 0.00000 | 602892.1 | 481406.5 | 0.0 | S |
| 202.192 | 0.0000 | 0.0000 | 80.897 | 0.13510 | 0.00000 | 602892.1 | 481410.6 | 0.0 | S |
| 202.200 | 0.0000 | 0.0000 | 80.897 | 0.13510 | 0.00000 | 602892.1 | 481414.6 | 0.0 | S |
| 202.208 | 0.0000 | 0.0000 | 80.897 | 0.13509 | 0.00000 | 602892.1 | 481418.7 | 0.0 | S |
| 202.217 | 0.0000 | 0.0000 | 80.897 | 0.13509 | 0.00000 | 602892.1 | 481422.7 | 0.0 | S |
| 202.225 | 0.0000 | 0.0000 | 80.897 | 0.13508 | 0.00000 | 602892.1 | 481426.8 | 0.0 | S |
| 202.233 | 0.0000 | 0.0000 | 80.897 | 0.13507 | 0.00000 | 602892.1 | 481430.8 | 0.0 | S |
| 202.242 | 0.0000 | 0.0000 | 80.897 | 0.13507 | 0.00000 | 602892.1 | 481434.9 | 0.0 | S |
| 202.250 | 0.0000 | 0.0000 | 80.897 | 0.13506 | 0.00000 | 602892.1 | 481438.9 | 0.0 | S |
| 202.258 | 0.0000 | 0.0000 | 80.897 | 0.13506 | 0.00000 | 602892.1 | 481443.0 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft} 3 / \mathrm{s}$ ) | Outside Recharge (f/day) | Stage Elevation (ft datum) | Infittration Rate ( $\mathrm{f}^{3 / 5}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | $\begin{gathered} \text { Cumulative } \\ \text { \{nflow } \\ \text { Volume }\left(\mathrm{ft}^{3}\right) \end{gathered}$ | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 202.267 | 0.0000 | 0.0000 | 80.897 | 0.13505 | 0.00000 | 602892.1 | 481447.0 | 0.0 | S |
| 202.275 | 0.0000 | 0.0000 | 80.897 | 0.13504 | 0.00000 | 602892.1 | 481451.1 | 0.0 | S |
| 202.283 | 0.0000 | 0.0000 | 80.896 | 0.13504 | 0.00000 | 602892.1 | 481455.1 | 0.0 | S |
| 202.292 | 0.0000 | 0.0000 | 80.896 | 0.13503 | 0.00000 | 602892.1 | 481459.2 | 0.0 | S |
| 202.300 | 0.0000 | 0.0000 | 80.896 | 0.13503 | 0.00000 | 602892.1 | 481463.3 | 0.0 | S |
| 202.308 | 0.0000 | 0.0000 | 80.896 | 0.13502 | 0.00000 | 602892.1 | 481467.3 | 0.0 | S |
| 202.317 | 0.0000 | 0.0000 | 80.896 | 0.13501 | 0.00000 | 602892.1 | 481471.3 | 0.0 | S |
| 202.325 | 0.0000 | 0.0000 | 80.896 | 0.13501 | 0.00000 | 602892.1 | 481475.4 | 0.0 | S |
| 202.333 | 0.0000 | 0.0000 | 80.896 | 0.13500 | 0.00000 | 602892.1 | 481479.4 | 0.0 | S |
| 202.342 | 0.0000 | 0.0000 | 80.896 | 0.13499 | 0.00000 | 602892.1 | 481483.5 | 0.0 | S |
| 202.350 | 0.0000 | 0.0000 | 80.896 | 0.13499 | 0.00000 | 602892.1 | 481487.5 | 0.0 | S |
| 202.358 | 0.0000 | 0.0000 | 80.896 | 0.13498 | 0.00000 | 602892.1 | 481491.6 | 0.0 | S |
| 202.367 | 0.0000 | 0.0000 | 80.896 | 0.13498 | 0.00000 | 602892.1 | 481495.6 | 0.0 | S |
| 202.375 | 0.0000 | 0.0000 | 80.896 | 0.13497 | 0.00000 | 602892.1 | 481499.7 | 0.0 | S |
| 202.383 | 0.0000 | 0.0000 | 80.895 | 0.13496 | 0.00000 | 602892.1 | 481503.7 | 0.0 | S |
| 202.392 | 0.0000 | 0.0000 | 80.895 | 0.13496 | 0.00000 | 602892.1 | 481507.8 | 0.0 | S |
| 202.400 | 0.0000 | 0.0000 | 80.895 | 0.13495 | 0.00000 | 602892.1 | 481511.8 | 0.0 | S |
| 202.408 | 0.0000 | 0.0000 | 80.895 | 0.13495 | 0.00000 | 602892.1 | 481515.9 | 0.0 | S |
| 202.417 | 0.0000 | 0.0000 | 80.895 | 0.13494 | 0.00000 | 602892.1 | 481519.9 | 0.0 | S |
| 202.425 | 0.0000 | 0.0000 | 80.895 | 0.13493 | 0.00000 | 602892.1 | 481524.0 | 0.0 | S |
| 202.433 | 0.0000 | 0.0000 | 80.895 | 0.13493 | 0.00000 | 602892.1 | 481528.0 | 0.0 | S |
| 202.442 | 0.0000 | 0.0000 | 80.895 | 0.13492 | 0.00000 | 602892.1 | 481532.1 | 0.0 | S |
| 202.450 | 0.0000 | 0.0000 | 80.895 | 0.13492 | 0.00000 | 602892.1 | 481536.1 | 0.0 | S |
| 202.458 | 0.0000 | 0.0000 | 80.895 | 0.13491 | 0.00000 | 602892.1 | 481540.2 | 0.0 | S |
| 202.467 | 0.0000 | 0.0000 | 80.895 | 0.13490 | 0.00000 | 602892.1 | 481544.2 | 0.0 | S |
| 202.475 | 0.0000 | 0.0000 | 80.895 | 0.13490 | 0.00000 | 602892.1 | 481548.3 | 0.0 | S |
| 202.483 | 0.0000 | 0.0000 | 80.895 | 0.13489 | 0.00000 | 602892.1 | 481552.3 | 0.0 | S |
| 202.492 | 0.0000 | 0.0000 | 80.894 | 0.13489 | 0.00000 | 602892.1 | 481556.3 | 0.0 | S |
| 202.500 | 0.0000 | 0.0000 | 80.894 | 0.13488 | 0.00000 | 602892.1 | 481560.4 | 0.0 | S |
| 202.508 | 0.0000 | 0.0000 | 80.894 | 0.13487 | 0.00000 | 602892.1 | 481564.4 | 0.0 | S |
| 202.517 | 0.0000 | 0.0000 | 80.894 | 0.13487 | 0.00000 | 602892.1 | 481568.5 | 0.0 | S |
| 202.525 | 0.0000 | 0.0000 | 80.894 | 0.13486 | 0.00000 | 602892.1 | 481572.5 | 0.0 | S |
| 202.533 | 0.0000 | 0.0000 | 80.894 | 0.13486 | 0.00000 | 602892.1 | 481576.6 | 0.0 | S |
| 202.542 | 0.0000 | 0.0000 | 80.894 | 0.13485 | 0.00000 | 602892.1 | 481580.6 | 0.0 | S |
| 202.550 | 0.0000 | 0.0000 | 80.894 | 0.13484 | 0.00000 | 602892.1 | 481584.7 | 0.0 | S |
| 202.558 | 0.0000 | 0.0000 | 80.894 | 0.13484 | 0.00000 | 602892.1 | 481588.7 | 0.0 | S |
| 202.567 | 0.0000 | 0.0000 | 80.894 | 0.13483 | 0.00000 | 602892.1 | 481592.8 | 0.0 | S |
| 202.575 | 0.0000 | 0.0000 | 80.894 | 0.13482 | 0.00000 | 602892.1 | 481596.8 | 0.0 | S |
| 202.583 | 0.0000 | 0.0000 | 80.894 | 0.13482 | 0.00000 | 602892.1 | 481600.8 | 0.0 | S |
| 202.592 | 0.0000 | 0.0000 | 80.893 | 0.13481 | 0.00000 | 602892.1 | 481604.9 | 0.0 | S |
| 202.600 | 0.0000 | 0.0000 | 80.893 | 0.13481 | 0.00000 | 602892.1 | 481608.9 | 0.0 | S |
| 202.608 | 0.0000 | 0.0000 | 80.893 | 0.13480 | 0.00000 | 602892.1 | 481613.0 | 0.0 | S |
| 202.617 | 0.0000 | 0.0000 | 80.893 | 0.13479 | 0.00000 | 602892.1 | 481617.0 | 0.0 | S |
| 202.625 | 0.0000 | 0.0000 | 80.893 | 0.13479 | 0.00000 | 602892.1 | 481621.1 | 0.0 | S |
| 202.633 | 0.0000 | 0.0000 | 80.893 | 0.13478 | 0.00000 | 602892.1 | 481625.1 | 0.0 | S |
| 202.642 | 0.0000 | 0.0000 | 80.893 | 0.13478 | 0.00000 | 602892.1 | 481629.2 | 0.0 | S |
| 202.650 | 0.0000 | 0.0000 | 80.893 | 0.13477 | 0.00000 | 602892.1 | 481633.2 | 0.0 | S |
| 202.658 | 0.0000 | 0.0000 | 80.893 | 0.13476 | 0.00000 | 602892.1 | 481637.3 | 0.0 | S |
| 202.667 | 0.0000 | 0.0000 | 80.893 | 0.13476 | 0.00000 | 602892.1 | 481641.3 | 0.0 | S |
| 202.675 | 0.0000 | 0.0000 | 80.893 | 0.13475 | 0.00000 | 602892.1 | 481645.3 | 0.0 | S |
| 202.683 | 0.0000 | 0.0000 | 80.893 | 0.13475 | 0.00000 | 602892.1 | 481649.4 | 0.0 | S |
| 202.692 | 0.0000 | 0.0000 | 80.893 | 0.13474 | 0.00000 | 602892.1 | 481653.4 | 0.0 | S |
| 202.700 | 0.0000 | 0.0000 | 80.892 | 0.13473 | 0.00000 | 602892.1 | 481657.5 | 0.0 | S |
| 202.708 | 0.0000 | 0.0000 | 80.892 | 0.13473 | 0.00000 | 602892.1 | 481661.5 | 0.0 | S |
| 202.717 | 0.0000 | 0.0000 | 80.892 | 0.13472 | 0.00000 | 602892.1 | 481665.5 | 0.0 | S |
| 202.725 | 0.0000 | 0.0000 | 80.892 | 0.13472 | 0.00000 | 602892.1 | 481669.6 | 0.0 | S |
| 202.733 | 0.0000 | 0.0000 | 80.892 | 0.13471 | 0.00000 | 602892.1 | 481673.6 | 0.0 | S |
| 202.742 | 0.0000 | 0.0000 | 80.892 | 0.13470 | 0.00000 | 602892.1 | 481677.7 | 0.0 | S |
| 202.750 | 0.0000 | 0.0000 | 80.892 | 0.13470 | 0.00000 | 602892.1 | 481681.7 | 0.0 | S |
| 202.758 | 0.0000 | 0.0000 | 80.892 | 0.13469 | 0.00000 | 602892.1 | 481685.8 | 0.0 | S |
| 202.767 | 0.0000 | 0.0000 | 80.892 | 0.13469 | 0.00000 | 602892.1 | 481689.8 | 0.0 | S |
| 202.775 | 0.0000 | 0.0000 | 80.892 | 0.13468 | 0.00000 | 602892.1 | 481693.8 | 0.0 | S |
| 202.783 | 0.0000 | 0.0000 | 80.892 | 0.13467 | 0.00000 | 602892.1 | 481697.9 | 0.0 | S |
| 202.792 | 0.0000 | 0.0000 | 80.892 | 0.13467 | 0.00000 | 602892.1 | 481701.9 | 0.0 | S |
| 202.800 | 0.0000 | 0.0000 | 80.891 | 0.13466 | 0.00000 | 602892.1 | 481705.9 | 0.0 | S |
| 202.808 | 0.0000 | 0.0000 | 80.891 | 0.13466 | 0.00000 | 602892.1 | 481710.0 | 0.0 | S |
| 202.817 | 0.0000 | 0.0000 | 80.891 | 0.13465 | 0.00000 | 602892.1 | 481714.0 | 0.0 | S |
| 202.825 | 0.0000 | 0.0000 | 80.891 | 0.13464 | 0.00000 | 602892.1 | 481718.1 | 0.0 | S |
| 202.833 | 0.0000 | 0.0000 | 80.891 | 0.13464 | 0.00000 | 602892.1 | 481722.1 | 0.0 | S |
| 202.842 | 0.0000 | 0.0000 | 80.891 | 0.13463 | 0.00000 | 602892.1 | 481726.2 | 0.0 | S |
| 202.850 | 0.0000 | 0.0000 | 80.891 | 0.13463 | 0.00000 | 602892.1 | 481730.2 | 0.0 | S |
| 202.858 | 0.0000 | 0.0000 | 80.891 | 0.13462 | 0.00000 | 602892.1 | 481734.2 | 0.0 | S |
| 202.867 | 0.0000 | 0.0000 | 80.891 | 0.13461 | 0.00000 | 602892.1 | 481738.3 | 0.0 | S |
| 202.875 | 0.0000 | 0.0000 | 80.891 | 0.13461 | 0.00000 | 602892.1 | 481742.3 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (fl/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{t}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 202.883 | 0.0000 | 0.0000 | 80.891 | 0.13460 | 0.00000 | 602892.1 | 481746.3 | 0.0 | S |
| 202.892 | 0.0000 | 0.0000 | 80.891 | 0.13459 | 0.00000 | 602892.1 | 481750.4 | 0.0 | S |
| 202.900 | 0.0000 | 0.0000 | 80.891 | 0.13459 | 0.00000 | 602892.1 | 481754.4 | 0.0 | S |
| 202.908 | 0.0000 | 0.0000 | 80.890 | 0.13458 | 0.00000 | 602892.1 | 481758.5 | 0.0 | S |
| 202.917 | 0.0000 | 0.0000 | 80.890 | 0.13458 | 0.00000 | 602892.1 | 481762.5 | 0.0 | S |
| 202.925 | 0.0000 | 0.0000 | 80.890 | 0.13457 | 0.00000 | 602892.1 | 481766.5 | 0.0 | S |
| 202.933 | 0.0000 | 0.0000 | 80.890 | 0.13456 | 0.00000 | 602892.1 | 481770.6 | 0.0 | S |
| 202.942 | 0.0000 | 0.0000 | 80.890 | 0.13456 | 0.00000 | 602892.1 | 481774.6 | 0.0 | S |
| 202.950 | 0.0000 | 0.0000 | 80.890 | 0.13455 | 0.00000 | 602892.1 | 481778.6 | 0.0 | S |
| 202.958 | 0.0000 | 0.0000 | 80.890 | 0.13455 | 0.00000 | 602892.1 | 481782.7 | 0.0 | S |
| 202.967 | 0.0000 | 0.0000 | 80.890 | 0.13454 | 0.00000 | 602892.1 | 481786.7 | 0.0 | S |
| 202.975 | 0.0000 | 0.0000 | 80.890 | 0.13453 | 0.00000 | 602892.1 | 481790.8 | 0.0 | S |
| 202.983 | 0.0000 | 0.0000 | 80.890 | 0.13453 | 0.00000 | 602892.1 | 481794.8 | 0.0 | S |
| 202.992 | 0.0000 | 0.0000 | 80.890 | 0.13452 | 0.00000 | 602892.1 | 481798.8 | 0.0 | S |
| 203.000 | 0.0000 | 0.0000 | 80.890 | 0.13452 | 0.00000 | 602892.1 | 481802.8 | 0.0 | S |
| 203.008 | 0.0000 | 0.0000 | 80.889 | 0.13451 | 0.00000 | 602892.1 | 481806.9 | 0.0 | S |
| 203.017 | 0.0000 | 0.0000 | 80.889 | 0.13450 | 0.00000 | 602892.1 | 481810.9 | 0.0 | S |
| 203.025 | 0.0000 | 0.0000 | 80.889 | 0.13450 | 0.00000 | 602892.1 | 481815.0 | 0.0 | S |
| 203.033 | 0.0000 | 0.0000 | 80.889 | 0.13449 | 0.00000 | 602892.1 | 481819.0 | 0.0 | S |
| 203.042 | 0.0000 | 0.0000 | 80.889 | 0.13449 | 0.00000 | 602892.1 | 481823.0 | 0.0 | S |
| 203.050 | 0.0000 | 0.0000 | 80.889 | 0.13448 | 0.00000 | 602892.1 | 481827.1 | 0.0 | S |
| 203.058 | 0.0000 | 0.0000 | 80.889 | 0.13447 | 0.00000 | 602892.1 | 481831.1 | 0.0 | S |
| 203.067 | 0.0000 | 0.0000 | 80.889 | 0.13447 | 0.00000 | 602892.1 | 481835.1 | 0.0 | S |
| 203.075 | 0.0000 | 0.0000 | 80.889 | 0.13446 | 0.00000 | 602892.1 | 481839.2 | 0.0 | S |
| 203.083 | 0.0000 | 0.0000 | 80.889 | 0.13446 | 0.00000 | 602892.1 | 481843.2 | 0.0 | S |
| 203.092 | 0.0000 | 0.0000 | 80.889 | 0.13445 | 0.00000 | 602892.1 | 481847.3 | 0.0 | S |
| 203.100 | 0.0000 | 0.0000 | 80.889 | 0.13444 | 0.00000 | 602892.1 | 481851.3 | 0.0 | S |
| 203.108 | 0.0000 | 0.0000 | 80.889 | 0.13444 | 0.00000 | 602892.1 | 481855.3 | 0.0 | S |
| 203.117 | 0.0000 | 0.0000 | 80.888 | 0.13443 | 0.00000 | 602892.1 | 481859.3 | 0.0 | S |
| 203.125 | 0.0000 | 0.0000 | 80.888 | 0.13443 | 0.00000 | 602892.1 | 481863.4 | 0.0 | S |
| 203.133 | 0.0000 | 0.0000 | 80.888 | 0.13442 | 0.00000 | 602892.1 | 481867.4 | 0.0 | S |
| 203.142 | 0.0000 | 0.0000 | 80.888 | 0.13441 | 0.00000 | 602892.1 | 481871.4 | 0.0 | S |
| 203.150 | 0.0000 | 0.0000 | 80.888 | 0.13441 | 0.00000 | 602892.1 | 481875.5 | 0.0 | S |
| 203.158 | 0.0000 | 0.0000 | 80.888 | 0.13440 | 0.00000 | 602892.1 | 481879.5 | 0.0 | S |
| 203.167 | 0.0000 | 0.0000 | 80.888 | 0.13440 | 0.00000 | 602892.1 | 481883.5 | 0.0 | S |
| 203.175 | 0.0000 | 0.0000 | 80.888 | 0.13439 | 0.00000 | 602892.1 | 481887.6 | 0.0 | S |
| 203.183 | 0.0000 | 0.0000 | 80.888 | 0.13438 | 0.00000 | 602892.1 | 481891.6 | 0.0 | S |
| 203.192 | 0.0000 | 0.0000 | 80.888 | 0.13438 | 0.00000 | 602892.1 | 481895.6 | 0.0 | S |
| 203.200 | 0.0000 | 0.0000 | 80.888 | 0.13437 | 0.00000 | 602892.1 | 481899.7 | 0.0 | S |
| 203.208 | 0.0000 | 0.0000 | 80.888 | 0.13437 | 0.00000 | 602892.1 | 481903.7 | 0.0 | S |
| 203.217 | 0.0000 | 0.0000 | 80.887 | 0.13436 | 0.00000 | 602892.1 | 481907.7 | 0.0 | S |
| 203.225 | 0.0000 | 0.0000 | 80.887 | 0.13435 | 0.00000 | 602892.1 | 481911.8 | 0.0 | S |
| 203.233 | 0.0000 | 0.0000 | 80.887 | 0.13435 | 0.00000 | 602892.1 | 481915.8 | 0.0 | S |
| 203.242 | 0.0000 | 0.0000 | 80.887 | 0.13434 | 0.00000 | 602892.1 | 481919.8 | 0.0 | S |
| 203.250 | 0.0000 | 0.0000 | 80.887 | 0.13434 | 0.00000 | 602892.1 | 481923.8 | 0.0 | S |
| 203.258 | 0.0000 | 0.0000 | 80.887 | 0.13433 | 0.00000 | 602892.1 | 481927.9 | 0.0 | S |
| 203.267 | 0.0000 | 0.0000 | 80.887 | 0.13432 | 0.00000 | 602892.1 | 481931.9 | 0.0 | S |
| 203.275 | 0.0000 | 0.0000 | 80.887 | 0.13432 | 0.00000 | 602892.1 | 481935.9 | 0.0 | S |
| 203.283 | 0.0000 | 0.0000 | 80.887 | 0.13431 | 0.00000 | 602892.1 | 481940.0 | 0.0 | S |
| 203.292 | 0.0000 | 0.0000 | 80.887 | 0.13431 | 0.00000 | 602892.1 | 481944.0 | 0.0 | S |
| 203.300 | 0.0000 | 0.0000 | 80.887 | 0.13430 | 0.00000 | 602892.1 | 481948.0 | 0.0 | S |
| 203.308 | 0.0000 | 0.0000 | 80.887 | 0.13429 | 0.00000 | 602892.1 | 481952.0 | 0.0 | S |
| 203.317 | 0.0000 | 0.0000 | 80.887 | 0.13429 | 0.00000 | 602892.1 | 481956.1 | 0.0 | S |
| 203.325 | 0.0000 | 0.0000 | 80.886 | 0.13428 | 0.00000 | 602892.1 | 481960.1 | 0.0 | S |
| 203.333 | 0.0000 | 0.0000 | 80.886 | 0.13427 | 0.00000 | 602892.1 | 481964.1 | 0.0 | S |
| 203.342 | 0.0000 | 0.0000 | 80.886 | 0.13427 | 0.00000 | 602892.1 | 481968.2 | 0.0 | S |
| 203.350 | 0.0000 | 0.0000 | 80.886 | 0.13426 | 0.00000 | 602892.1 | 481972.2 | 0.0 | S |
| 203.358 | 0.0000 | 0.0000 | 80.886 | 0.13426 | 0.00000 | 602892.1 | 481976.2 | 0.0 | S |
| 203.367 | 0.0000 | 0.0000 | 80.886 | 0.13425 | 0.00000 | 602892.1 | 481980.3 | 0.0 | S |
| 203.375 | 0.0000 | 0.0000 | 80.886 | 0.13424 | 0.00000 | 602892.1 | 481984.3 | 0.0 | S |
| 203.383 | 0.0000 | 0.0000 | 80.886 | 0.13424 | 0.00000 | 602892.1 | 481988.3 | 0.0 | S |
| 203.392 | 0.0000 | 0.0000 | 80.886 | 0.13423 | 0.00000 | 602892.1 | 481992.3 | 0.0 | S |
| 203.400 | 0.0000 | 0.0000 | 80.886 | 0.13423 | 0.00000 | 602892.1 | 481996.3 | 0.0 | S |
| 203.408 | 0.0000 | 0.0000 | 80.886 | 0.13422 | 0.00000 | 602892.1 | 482000.4 | 0.0 | S |
| 203.417 | 0.0000 | 0.0000 | 80.886 | 0.13421 | 0.00000 | 602892.1 | 482004.4 | 0.0 | S |
| 203.425 | 0.0000 | 0.0000 | 80.886 | 0.13421 | 0.00000 | 602892.1 | 482008.4 | 0.0 | S |
| 203.433 | 0.0000 | 0.0000 | 80.885 | 0.13420 | 0.00000 | 602892.1 | 482012.5 | 0.0 | S |
| 203.442 | 0.0000 | 0.0000 | 80.885 | 0.13420 | 0.00000 | 602892.1 | 482016.5 | 0.0 | S |
| 203.450 | 0.0000 | 0.0000 | 80.885 | 0.13419 | 0.00000 | 602892.1 | 482020.5 | 0.0 | S |
| 203.458 | 0.0000 | 0.0000 | 80.885 | 0.13418 | 0.00000 | 602892.1 | 482024.5 | 0.0 | S |
| 203.467 | 0.0000 | 0.0000 | 80.885 | 0.13418 | 0.00000 | 602892.1 | 482028.6 | 0.0 | S |
| 203.475 | 0.0000 | 0.0000 | 80.885 | 0.13417 | 0.00000 | 602892.1 | 482032.6 | 0.0 | S |
| 203.483 | 0.0000 | 0.0000 | 80.885 | 0.13417 | 0.00000 | 602892.1 | 482036.6 | 0.0 | S |
| 203.492 | 0.0000 | 0.0000 | 80.885 | 0.13416 | 0.00000 | 602892.7 | 482040.6 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (f/day) | Stage Elevation (fl datum) | Infiltration Rate ( $\mathrm{ft}^{3 / 3}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 203.500 | 0.0000 | 0.0000 | 80.885 | 0.13415 | 0.00000 | 602892.1 | 482044.7 | 0.0 | S |
| 203.508 | 0.0000 | 0.0000 | 80.885 | 0.13415 | 0.00000 | 602892.1 | 482048.7 | 0.0 | S |
| 203.517 | 0.0000 | 0.0000 | 80.885 | 0.13414 | 0.00000 | 602892.1 | 482052.7 | 0.0 | S |
| 203.525 | 0.0000 | 0.0000 | 80.885 | 0.13414 | 0.00000 | 602892.1 | 482056.7 | 0.0 | S |
| 203.533 | 0.0000 | 0.0000 | 80.884 | 0.13413 | 0.00000 | 602892.1 | 482060.8 | 0.0 | S |
| 203.542 | 0.0000 | 0.0000 | 80.884 | 0.13412 | 0.00000 | 602892.1 | 482064.8 | 0.0 | S |
| 203.550 | 0.0000 | 0.0000 | 80.884 | 0.13412 | 0.00000 | 602892.1 | 482068.8 | 0.0 | S |
| 203.558 | 0.0000 | 0.0000 | 80.884 | 0.13411 | 0.00000 | 602892.1 | 482072.8 | 0.0 | S |
| 203.567 | 0.0000 | 0.0000 | 80.884 | 0.13411 | 0.00000 | 602892.1 | 482076.8 | 0.0 | S |
| 203.575 | 0.0000 | 0.0000 | 80.884 | 0.13410 | 0.00000 | 602892.1 | 482080.9 | 0.0 | S |
| 203.583 | 0.0000 | 0.0000 | 80.884 | 0.13409 | 0.00000 | 602892.1 | 482084.9 | 0.0 | S |
| 203.592 | 0.0000 | 0.0000 | 80.884 | 0.13409 | 0.00000 | 602892.1 | 482088.9 | 0.0 | S |
| 203.600 | 0.0000 | 0.0000 | 80.884 | 0.13408 | 0.00000 | 602892.1 | 482092.9 | 0.0 | S |
| 203.608 | 0.0000 | 0.0000 | 80.884 | 0.13408 | 0.00000 | 602892.1 | 482097.0 | 0.0 | S |
| 203.617 | 0.0000 | 0.0000 | 80.884 | 0.13407 | 0.00000 | 602892.1 | 482101.0 | 0.0 | S |
| 203.625 | 0.0000 | 0.0000 | 80.884 | 0.13406 | 0.00000 | 602892.1 | 482105.0 | 0.0 | S |
| 203.633 | 0.0000 | 0.0000 | 80.884 | 0.13406 | 0.00000 | 602892.1 | 482109.0 | 0.0 | S |
| 203.642 | 0.0000 | 0.0000 | 80.883 | 0.13405 | 0.00000 | 602892.1 | 482113.1 | 0.0 | S |
| 203.650 | 0.0000 | 0.0000 | 80.883 | 0.13405 | 0.00000 | 602892.1 | 482117.1 | 0.0 | S |
| 203.658 | 0.0000 | 0.0000 | 80.883 | 0.13404 | 0.00000 | 602892.1 | 482121.1 | 0.0 | S |
| 203.667 | 0.0000 | 0.0000 | 80.883 | 0.13403 | 0.00000 | 602892.1 | 482125.1 | 0.0 | S |
| 203.675 | 0.0000 | 0.0000 | 80.883 | 0.13403 | 0.00000 | 602892.1 | 482129.1 | 0.0 | S |
| 203.683 | 0.0000 | 0.0000 | 80.883 | 0.13402 | 0.00000 | 602892.1 | 482133.2 | 0.0 | S |
| 203.692 | 0.0000 | 0.0000 | 80.883 | 0.13402 | 0.00000 | 602892.1 | 482137.2 | 0.0 | S |
| 203.700 | 0.0000 | 0.0000 | 80.883 | 0.13401 | 0.00000 | 602892.1 | 482141.2 | 0.0 | S |
| 203.708 | 0.0000 | 0.0000 | 80.883 | 0.13400 | 0.00000 | 602892.1 | 482145.2 | 0.0 | S |
| 203.717 | 0.0000 | 0.0000 | 80.883 | 0.13400 | 0.00000 | 602892.1 | 482149.3 | 0.0 | S |
| 203.725 | 0.0000 | 0.0000 | 80.883 | 0.13399 | 0.00000 | 602892.1 | 482153.3 | 0.0 | S |
| 203.733 | 0.0000 | 0.0000 | 80.883 | 0.13399 | 0.00000 | 602892.1 | 482157.3 | 0.0 | S |
| 203.742 | 0.0000 | 0.0000 | 80.882 | 0.13398 | 0.00000 | 602892.1 | 482161.3 | 0.0 | S |
| 203.750 | 0.0000 | 0.0000 | 80.882 | 0.13397 | 0.00000 | 602892.1 | 482165.3 | 0.0 | S |
| 203.758 | 0.0000 | 0.0000 | 80.882 | 0.13397 | 0.00000 | 602892.1 | 482169.3 | 0.0 | S |
| 203.767 | 0.0000 | 0.0000 | 80.882 | 0.13396 | 0.00000 | 602892.1 | 482173.3 | 0.0 | S |
| 203.775 | 0.0000 | 0.0000 | 80.882 | 0.13396 | 0.00000 | 602892.1 | 482177.4 | 0.0 | S |
| 203.783 | 0.0000 | 0.0000 | 80.882 | 0.13395 | 0.00000 | 602892.1 | 482181.4 | 0.0 | S |
| 203.792 | 0.0000 | 0.0000 | 80.882 | 0.13394 | 0.00000 | 602892.1 | 482185.4 | 0.0 | S |
| 203.800 | 0.0000 | 0.0000 | 80.882 | 0.13394 | 0.00000 | 602892.1 | 482189.4 | 0.0 | S |
| 203.808 | 0.0000 | 0.0000 | 80.882 | 0.13393 | 0.00000 | 602892.1 | 482193.4 | 0.0 | S |
| 203.817 | 0.0000 | 0.0000 | 80.882 | 0.13393 | 0.00000 | 602892.1 | 482197.5 | 0.0 | S |
| 203.825 | 0.0000 | 0.0000 | 80.882 | 0.13392 | 0.00000 | 602892.1 | 482201.5 | 0.0 | S |
| 203.833 | 0.0000 | 0.0000 | 80.882 | 0.13391 | 0.00000 | 602892.1 | 482205.5 | 0.0 | S |
| 203.842 | 0.0000 | 0.0000 | 80.882 | 0.13391 | 0.00000 | 602892.1 | 482209.5 | 0.0 | S |
| 203.850 | 0.0000 | 0.0000 | 80.881 | 0.13390 | 0.00000 | 602892.1 | 482213.5 | 0.0 | S |
| 203.858 | 0.0000 | 0.0000 | 80.881 | 0.13390 | 0.00000 | 602892.1 | 482217.6 | 0.0 | S |
| 203.867 | 0.0000 | 0.0000 | 80.881 | 0.13389 | 0.00000 | 602892.1 | 482221.6 | 0.0 | S |
| 203.875 | 0.0000 | 0.0000 | 80.881 | 0.13388 | 0.00000 | 602892.1 | 482225.6 | 0.0 | S |
| 203.883 | 0.0000 | 0.0000 | 80.881 | 0.13388 | 0.00000 | 602892.1 | 482229.6 | 0.0 | S |
| 203.892 | 0.0000 | 0.0000 | 80.881 | 0.13387 | 0.00000 | 602892.1 | 482233.6 | 0.0 | S |
| 203.900 | 0.0000 | 0.0000 | 80.881 | 0.13387 | 0.00000 | 602892.1 | 482237.6 | 0.0 | S |
| 203.908 | 0.0000 | 0.0000 | 80.881 | 0.13386 | 0.00000 | 602892.1 | 482241.7 | 0.0 | S |
| 203.917 | 0.0000 | 0.0000 | 80.881 | 0.13385 | 0.00000 | 602892.1 | 482245.7 | 0.0 | S |
| 203.925 | 0.0000 | 0.0000 | 80.881 | 0.13385 | 0.00000 | 602892.1 | 482249.7 | 0.0 | S |
| 203.933 | 0.0000 | 0.0000 | 80.881 | 0.13384 | 0.00000 | 602892.1 | 482253.7 | 0.0 | S |
| 203.942 | 0.0000 | 0.0000 | 80.881 | 0.13384 | 0.00000 | 602892.1 | 482257.7 | 0.0 | S |
| 203.950 | 0.0000 | 0.0000 | 80.880 | 0.13383 | 0.00000 | 602892.1 | 482261.7 | 0.0 | S |
| 203.958 | 0.0000 | 0.0000 | 80.880 | 0.13382 | 0.00000 | 602892.1 | 482265.8 | 0.0 | S |
| 203.967 | 0.0000 | 0.0000 | 80.880 | 0.13382 | 0.00000 | 602892.1 | 482269.8 | 0.0 | S |
| 203.975 | 0.0000 | 0.0000 | 80.880 | 0.13381 | 0.00000 | 602892.1 | 482273.8 | 0.0 | S |
| 203.983 | 0.0000 | 0.0000 | 80.880 | 0.13381 | 0.00000 | 602892.1 | 482277.8 | 0.0 | S |
| 203.992 | 0.0000 | 0.0000 | 80.880 | 0.13380 | 0.00000 | 602892.1 | 482281.8 | 0.0 | S |
| 204.000 | 0.0000 | 0.0000 | 80.880 | 0.13379 | 0.00000 | 602892.1 | 482285.8 | 0.0 | S |
| 204.008 | 0.0000 | 0.0000 | 80.880 | 0.13379 | 0.00000 | 602892.1 | 482289.8 | 0.0 | S |
| 204.017 | 0.0000 | 0.0000 | 80.880 | 0.13378 | 0.00000 | 602892.1 | 482293.8 | 0.0 | S |
| 204.025 | 0.0000 | 0.0000 | 80.880 | 0.13378 | 0.00000 | 602892.1 | 482297.8 | 0.0 | S |
| 204.033 | 0.0000 | 0.0000 | 80.880 | 0.13377 | 0.00000 | 602892.1 | 482301.9 | 0.0 | S |
| 204.042 | 0.0000 | 0.0000 | 80.880 | 0.13376 | 0.00000 | 602892.1 | 482305.9 | 0.0 | S |
| 204.050 | 0.0000 | 0.0000 | 80.880 | 0.13376 | 0.00000 | 602892.1 | 482309.9 | 0.0 | S |
| 204.058 | 0.0000 | 0.0000 | 80.879 | 0.13375 | 0.00000 | 602892.1 | 482313.9 | 0.0 | S |
| 204.067 | 0.0000 | 0.0000 | 80.879 | 0.13375 | 0.00000 | 602892.1 | 482317.9 | 0.0 | S |
| 204.075 | 0.0000 | 0.0000 | 80.879 | 0.13374 | 0.00000 | 602892.1 | 482321.9 | 0.0 | S |
| 204.083 | 0.0000 | 0.0000 | 80.879 | 0.13373 | 0.00000 | 602892.1 | 482325.9 | 0.0 | S |
| 204.092 | 0.0000 | 0.0000 | 80.879 | 0.13373 | 0.00000 | 602892.1 | 482330.0 | 0.0 | S |
| 204.100 | 0.0000 | 0.0000 | 80.879 | 0.13372 | 0.00000 | 602892.1 | 482334.0 | 0.0 | S |
| 204.108 | 0.0000 | 0.0000 | 80.879 | 0.13372 | 0.00000 | 602892.1 | 482338.0 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Inflitration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overfow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | $\begin{aligned} & \text { Flow } \\ & \text { Type } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 204.117 | 0.0000 | 0.0000 | 80.879 | 0.13371 | 0.00000 | 602892.1 | 482342.0 | 0.0 | S |
| 204.125 | 0.0000 | 0.0000 | 80.879 | 0.13370 | 0.00000 | 602892.1 | 482346.0 | 0.0 | S |
| 204.133 | 0.0000 | 0.0000 | 80.879 | 0.13370 | 0.00000 | 602892.1 | 482350.0 | 0.0 | S |
| 204.142 | 0.0000 | 0.0000 | 80.879 | 0.13369 | 0.00000 | 602892.1 | 482354.0 | 0.0 | S |
| 204.150 | 0.0000 | 0.0000 | 80.879 | 0.13368 | 0.00000 | 602892.1 | 482358.0 | 0.0 | S |
| 204.158 | 0.0000 | 0.0000 | 80.879 | 0.13368 | 0.00000 | 602892.1 | 482362.0 | 0.0 | S |
| 204.167 | 0.0000 | 0.0000 | 80.878 | 0.13367 | 0.00000 | 602892.1 | 482366.1 | 0.0 | S |
| 204.175 | 0.0000 | 0.0000 | 80.878 | 0.13367 | 0.00000 | 602892.1 | 482370.1 | 0.0 | S |
| 204.183 | 0.0000 | 0.0000 | 80.878 | 0.13366 | 0.00000 | 602892.1 | 482374.1 | 0.0 | S |
| 204.192 | 0.0000 | 0.0000 | 80.878 | 0.13366 | 0.00000 | 602892.1 | 482378.1 | 0.0 | S |
| 204.200 | 0.0000 | 0.0000 | 80.878 | 0.13365 | 0.00000 | 602892.1 | 482382.1 | 0.0 | S |
| 204.208 | 0.0000 | 0.0000 | 80.878 | 0.13365 | 0.00000 | 602892.1 | 482386.1 | 0.0 | S |
| 204.217 | 0.0000 | 0.0000 | 80.878 | 0.13364 | 0.00000 | 602892.1 | 482390.1 | 0.0 | S |
| 204.225 | 0.0000 | 0.0000 | 80.878 | 0.13363 | 0.00000 | 602892.1 | 482394.1 | 0.0 | S |
| 204.233 | 0.0000 | 0.0000 | 80.878 | 0.13363 | 0.00000 | 602892.1 | 482398.1 | 0.0 | S |
| 204.242 | 0.0000 | 0.0000 | 80.878 | 0.13362 | 0.00000 | 602892.1 | 482402.1 | 0.0 | S |
| 204.250 | 0.0000 | 0.0000 | 80.878 | 0.13362 | 0.00000 | 602892.1 | 482406.2 | 0.0 | S |
| 204.258 | 0.0000 | 0.0000 | 80.878 | 0.13361 | 0.00000 | 602892.1 | 482410.2 | 0.0 | S |
| 204.267 | 0.0000 | 0.0000 | 80.877 | 0.13360 | 0.00000 | 602892.1 | 482414.2 | 0.0 | S |
| 204.275 | 0.0000 | 0.0000 | 80.877 | 0.13360 | 0.00000 | 602892.1 | 482418.2 | 0.0 | S |
| 204.283 | 0.0000 | 0.0000 | 80.877 | 0.13359 | 0.00000 | 602892.1 | 482422.2 | 0.0 | S |
| 204.292 | 0.0000 | 0.0000 | 80.877 | 0.13359 | 0.00000 | 602892.1 | 482426.2 | 0.0 | S |
| 204.300 | 0.0000 | 0.0000 | 80.877 | 0.13358 | 0.00000 | 602892.1 | 482430.2 | 0.0 | S |
| 204.308 | 0.0000 | 0.0000 | 80.877 | 0.13357 | 0.00000 | 602892.1 | 482434.2 | 0.0 | S |
| 204.317 | 0.0000 | 0.0000 | 80.877 | 0.13357 | 0.00000 | 602892.1 | 482438.2 | 0.0 | S |
| 204.325 | 0.0000 | 0.0000 | 80.877 | 0.13356 | 0.00000 | 602892.1 | 482442.2 | 0.0 | S |
| 204.333 | 0.0000 | 0.0000 | 80.877 | 0.13356 | 0.00000 | 602892.1 | 482446.2 | 0.0 | S |
| 204.342 | 0.0000 | 0.0000 | 80.877 | 0.13355 | 0.00000 | 602892.1 | 482450.2 | 0.0 | S |
| 204.350 | 0.0000 | 0.0000 | 80.877 | 0.13354 | 0.00000 | 602892.1 | 482454.3 | 0.0 | S |
| 204.358 | 0.0000 | 0.0000 | 80.877 | 0.13354 | 0.00000 | 602892.1 | 482458.3 | 0.0 | S |
| 204.367 | 0.0000 | 0.0000 | 80.877 | 0.13353 | 0.00000 | 602892.1 | 482462.3 | 0.0 | S |
| 204.375 | 0.0000 | 0.0000 | 80.876 | 0.13353 | 0.00000 | 602892.1 | 482466.3 | 0.0 | S |
| 204.383 | 0.0000 | 0.0000 | 80.876 | 0.13352 | 0.00000 | 602892.1 | 482470.3 | 0.0 | S |
| 204.392 | 0.0000 | 0.0000 | 80.876 | 0.13351 | 0.00000 | 602892.1 | 482474.3 | 0.0 | S |
| 204.400 | 0.0000 | 0.0000 | 80.876 | 0.13351 | 0.00000 | 602892.1 | 482478.3 | 0.0 | S |
| 204.408 | 0.0000 | 0.0000 | 80.876 | 0.13350 | 0.00000 | 602892.1 | 482482.3 | 0.0 | S |
| 204.417 | 0.0000 | 0.0000 | 80.876 | 0.13350 | 0.00000 | 602892.1 | 482486.3 | 0.0 | S |
| 204.425 | 0.0000 | 0.0000 | 80.876 | 0.13349 | 0.00000 | 602892.1 | 482490.3 | 0.0 | S |
| 204.433 | 0.0000 | 0.0000 | 80.876 | 0.13348 | 0.00000 | 602892.1 | 482494.3 | 0.0 | S |
| 204.442 | 0.0000 | 0.0000 | 80.876 | 0.13348 | 0.00000 | 602892.1 | 482498.3 | 0.0 | S |
| 204.450 | 0.0000 | 0.0000 | 80.876 | 0.13347 | 0.00000 | 602892.1 | 482502.3 | 0.0 | S |
| 204.458 | 0.0000 | 0.0000 | 80.876 | 0.13347 | 0.00000 | 602892.1 | 482506.3 | 0.0 | S |
| 204.467 | 0.0000 | 0.0000 | 80.876 | 0.13346 | 0.00000 | 602892.1 | 482510.3 | 0.0 | S |
| 204.475 | 0.0000 | 0.0000 | 80.875 | 0.13345 | 0.00000 | 602892.1 | 482514.3 | 0.0 | S |
| 204.483 | 0.0000 | 0.0000 | 80.875 | 0.13345 | 0.00000 | 602892.1 | 482518.3 | 0.0 | S |
| 204.492 | 0.0000 | 0.0000 | 80.875 | 0.13344 | 0.00000 | 602892.1 | 482522.3 | 0.0 | S |
| 204.500 | 0.0000 | 0.0000 | 80.875 | 0.13344 | 0.00000 | 602892.1 | 482526.3 | 0.0 | S |
| 204.508 | 0.0000 | 0.0000 | 80.875 | 0.13343 | 0.00000 | 602892.1 | 482530.3 | 0.0 | S |
| 204.517 | 0.0000 | 0.0000 | 80.875 | 0.13342 | 0.00000 | 602892.1 | 482534.3 | 0.0 | S |
| 204.525 | 0.0000 | 0.0000 | 80.875 | 0.13342 | 0.00000 | 602892.1 | 482538.3 | 0.0 | S |
| 204.533 | 0.0000 | 0.0000 | 80.875 | 0.13341 | 0.00000 | 602892.1 | 482542.3 | 0.0 | S |
| 204.542 | 0.0000 | 0.0000 | 80.875 | 0.13341 | 0.00000 | 602892.1 | 482546.3 | 0.0 | S |
| 204.550 | 0.0000 | 0.0000 | 80.875 | 0.13340 | 0.00000 | 602892.1 | 482550.3 | 0.0 | S |
| 204.558 | 0.0000 | 0.0000 | 80.875 | 0.13339 | 0.00000 | 602892.1 | 482554.3 | 0.0 | S |
| 204.567 | 0.0000 | 0.0000 | 80.875 | 0.13339 | 0.00000 | 602892.1 | 482558.3 | 0.0 | S |
| 204.575 | 0.0000 | 0.0000 | 80.875 | 0.13338 | 0.00000 | 602892.1 | 482562.3 | 0.0 | S |
| 204.583 | 0.0000 | 0.0000 | 80.874 | 0.13338 | 0.00000 | 602892.1 | 482566.3 | 0.0 | S |
| 204.592 | 0.0000 | 0.0000 | 80.874 | 0.13337 | 0.00000 | 602892.1 | 482570.3 | 0.0 | S |
| 204.600 | 0.0000 | 0.0000 | 80.874 | 0.13336 | 0.00000 | 602892.1 | 482574.3 | 0.0 | S |
| 204.608 | 0.0000 | 0.0000 | 80.874 | 0.13336 | 0.00000 | 602892.1 | 482578.3 | 0.0 | S |
| 204.617 | 0.0000 | 0.0000 | 80.874 | 0.13335 | 0.00000 | 602892.1 | 482582.3 | 0.0 | S |
| 204.625 | 0.0000 | 0.0000 | 80.874 | 0.13335 | 0.00000 | 602892.1 | 482586.3 | 0.0 | S |
| 204.633 | 0.0000 | 0.0000 | 80.874 | 0.13334 | 0.00000 | 602892.1 | 482590.3 | 0.0 | S |
| 204.642 | 0.0000 | 0.0000 | 80.874 | 0.13334 | 0.00000 | 602892.1 | 482594.3 | 0.0 | S |
| 204.650 | 0.0000 | 0.0000 | 80.874 | 0.13333 | 0.00000 | 602892.1 | 482598.3 | 0.0 | S |
| 204.658 | 0.0000 | 0.0000 | 80.874 | 0.13332 | 0.00000 | 602892.1 | 482602.3 | 0.0 | S |
| 204.667 | 0.0000 | 0.0000 | 80.874 | 0.13332 | 0.00000 | 602892.1 | 482606.3 | 0.0 | S |
| 204.675 | 0.0000 | 0.0000 | 80.874 | 0.13331 | 0.00000 | 602892.1 | 482610.3 | 0.0 | S |
| 204.683 | 0.0000 | 0.0000 | 80.874 | 0.13331 | 0.00000 | 602892.1 | 482614.3 | 0.0 | S |
| 204.692 | 0.0000 | 0.0000 | 80.873 | 0.13330 | 0.00000 | 602892.1 | 482618.3 | 0.0 | S |
| 204.700 | 0.0000 | 0.0000 | 80.873 | 0.13329 | 0.00000 | 602892.1 | 482622.3 | 0.0 | S |
| 204.708 | 0.0000 | 0.0000 | 80.873 | 0.13329 | 0.00000 | 602892.1 | 482626.3 | 0.0 | S |
| 204.717 | 0.0000 | 0.0000 | 80.873 | 0.13328 | 0.00000 | 602892.1 | 482630.3 | 0.0 | S |
| 204.725 | 0.0000 | 0.0000 | 80.873 | 0.13328 | 0.00000 | 602892.1 | 482634.3 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate (f13/s) | Overflow Discharge ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{t}^{3}$ ) | Cumulative Discharge Volume (fi³) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 204.733 | 0.0000 | 0.0000 | 80.873 | 0.13327 | 0.00000 | 602892.1 | 482638.3 | 0.0 | S |
| 204.742 | 0.0000 | 0.0000 | 80.873 | 0.13326 | 0.00000 | 602892.1 | 482642.3 | 0.0 | S |
| 204.750 | 0.0000 | 0.0000 | 80.873 | 0.13326 | 0.00000 | 602892.1 | 482646.3 | 0.0 | S |
| 204.758 | 0.0000 | 0.0000 | 80.873 | 0.13325 | 0.00000 | 602892.1 | 482650.3 | 0.0 | S |
| 204.767 | 0.0000 | 0.0000 | 80.873 | 0.13325 | 0.00000 | 602892.1 | 482654.3 | 0.0 | 5 |
| 204.775 | 0.0000 | 0.0000 | 80.873 | 0.13324 | 0.00000 | 602892.1 | 482658.3 | 0.0 | S |
| 204.783 | 0.0000 | 0.0000 | 80.873 | 0.13323 | 0.00000 | 602892.1 | 482662.3 | 0.0 | 5 |
| 204.792 | 0.0000 | 0.0000 | 80.872 | 0.13323 | 0.00000 | 602892.1 | 482666.3 | 0.0 | S |
| 204.800 | 0.0000 | 0.0000 | 80.872 | 0.13322 | 0.00000 | 602892.1 | 482670.3 | 0.0 | S |
| 204.808 | 0.0000 | 0.0000 | 80.872 | 0.13322 | 0.00000 | 602892.1 | 482674.3 | 0.0 | S |
| 204.817 | 0.0000 | 0.0000 | 80.872 | 0.13321 | 0.00000 | 602892.1 | 482678.3 | 0.0 | S |
| 204.825 | 0.0000 | 0.0000 | 80.872 | 0.13320 | 0.00000 | 602892.1 | 482682.3 | 0.0 | S |
| 204.833 | 0.0000 | 0.0000 | 80.872 | 0.13320 | 0.00000 | 602892.1 | 482686.3 | 0.0 | S |
| 204.842 | 0.0000 | 0.0000 | 80.872 | 0.13319 | 0.00000 | 602892.1 | 482690.3 | 0.0 | S |
| 204.850 | 0.0000 | 0.0000 | 80.872 | 0.13319 | 0.00000 | 602892.1 | 482694.3 | 0.0 | S |
| 204.858 | 0.0000 | 0.0000 | 80.872 | 0.13318 | 0.00000 | 602892.1 | 482698.3 | 0.0 | S |
| 204.867 | 0.0000 | 0.0000 | 80.872 | 0.13317 | 0.00000 | 602892.1 | 482702.3 | 0.0 | S |
| 204.875 | 0.0000 | 0.0000 | 80.872 | 0.13317 | 0.00000 | 602892.1 | 482706.3 | 0.0 | S |
| 204.883 | 0.0000 | 0.0000 | 80.872 | 0.13316 | 0.00000 | 602892.1 | 482710.3 | 0.0 | S |
| 204.892 | 0.0000 | 0.0000 | 80.872 | 0.13316 | 0.00000 | 602892.1 | 482714.3 | 0.0 | S |
| 204.900 | 0.0000 | 0.0000 | 80.871 | 0.13315 | 0.00000 | 602892.1 | 482718.3 | 0.0 | S |
| 204.908 | 0.0000 | 0.0000 | 80.871 | 0.13314 | 0.00000 | 602892.1 | 482722.3 | 0.0 | S |
| 204.917 | 0.0000 | 0.0000 | 80.871 | 0.13314 | 0.00000 | 602892.1 | 482726.3 | 0.0 | S |
| 204.925 | 0.0000 | 0.0000 | 80.871 | 0.13313 | 0.00000 | 602892.1 | 482730.3 | 0.0 | S |
| 204.933 | 0.0000 | 0.0000 | 80.871 | 0.13313 | 0.00000 | 602892.1 | 482734.3 | 0.0 | S |
| 204.942 | 0.0000 | 0.0000 | 80.871 | 0.13312 | 0.00000 | 602892.1 | 482738.2 | 0.0 | S |
| 204.950 | 0.0000 | 0.0000 | 80.871 | 0.13312 | 0.00000 | 602892.1 | 482742.2 | 0.0 | S |
| 204.958 | 0.0000 | 0.0000 | 80.871 | 0.13311 | 0.00000 | 602892.1 | 482746.2 | 0.0 | S |
| 204.967 | 0.0000 | 0.0000 | 80.871 | 0.13310 | 0.00000 | 602892.1 | 482750.2 | 0.0 | S |
| 204.975 | 0.0000 | 0.0000 | 80.871 | 0.13310 | 0.00000 | 602892.1 | 482754.2 | 0.0 | S |
| 204.983 | 0.0000 | 0.0000 | 80.871 | 0.13309 | 0.00000 | 602892.1 | 482758.2 | 0.0 | S |
| 204.992 | 0.0000 | 0.0000 | 80.871 | 0.13309 | 0.00000 | 602892.1 | 482762.2 | 0.0 | S |
| 205.000 | 0.0000 | 0.0000 | 80.871 | 0.13308 | 0.00000 | 602892.1 | 482766.2 | 0.0 | 5 |
| 205.008 | 0.0000 | 0.0000 | 80.870 | 0.13307 | 0.00000 | 602892.1 | 482770.2 | 0.0 | S |
| 205.017 | 0.0000 | 0.0000 | 80.870 | 0.13307 | 0.00000 | 602892.1 | 482774.2 | 0.0 | S |
| 205.025 | 0.0000 | 0.0000 | 80.870 | 0.13306 | 0.00000 | 602892.1 | 482778.2 | 0.0 | 5 |
| 205.033 | 0.0000 | 0.0000 | 80.870 | 0.13306 | 0.00000 | 602892.1 | 482782.2 | 0.0 | S |
| 205.042 | 0.0000 | 0.0000 | 80.870 | 0.13305 | 0.00000 | 602892.1 | 482786.2 | 0.0 | S |
| 205.050 | 0.0000 | 0.0000 | 80.870 | 0.13304 | 0.00000 | 602892.1 | 482790.1 | 0.0 | S |
| 205.058 | 0.0000 | 0.0000 | 80.870 | 0.13304 | 0.00000 | 602892.1 | 482794.1 | 0.0 | S |
| 205.067 | 0.0000 | 0.0000 | 80.870 | 0.13303 | 0.00000 | 602892.1 | 482798.1 | 0.0 | S |
| 205.075 | 0.0000 | 0.0000 | 80.870 | 0.13303 | 0.00000 | 602892.1 | 482802.1 | 0.0 | S |
| 205.083 | 0.0000 | 0.0000 | 80.870 | 0.13302 | 0.00000 | 602892.1 | 482806.1 | 0.0 | S |
| 205.092 | 0.0000 | 0.0000 | 80.870 | 0.13301 | 0.00000 | 602892.1 | 482810.1 | 0.0 | S |
| 205.100 | 0.0000 | 0.0000 | 80.870 | 0.13301 | 0.00000 | 602892.1 | 482814.1 | 0.0 | S |
| 205.108 | 0.0000 | 0.0000 | 80.869 | 0.13300 | 0.00000 | 602892.1 | 482818.1 | 0.0 | S |
| 205.117 | 0.0000 | 0.0000 | 80.869 | 0.13300 | 0.00000 | 602892.1 | 482822.1 | 0.0 | S |
| 205.125 | 0.0000 | 0.0000 | 80.869 | 0.13299 | 0.00000 | 602892.1 | 482826.1 | 0.0 | S |
| 205.133 | 0.0000 | 0.0000 | 80.869 | 0.13298 | 0.00000 | 602892.1 | 482830.0 | 0.0 | S |
| 205.142 | 0.0000 | 0.0000 | 80.869 | 0.13298 | 0.00000 | 602892.1 | 482834.0 | 0.0 | S |
| 205.150 | 0.0000 | 0.0000 | 80.869 | 0.13297 | 0.00000 | 602892.1 | 482838.0 | 0.0 | S |
| 205.158 | 0.0000 | 0.0000 | 80.869 | 0.13297 | 0.00000 | 602892.1 | 482842.0 | 0.0 | S |
| 205.167 | 0.0000 | 0.0000 | 80.869 | 0.13296 | 0.00000 | 602892.1 | 482846.0 | 0.0 | S |
| 205.175 | 0.0000 | 0.0000 | 80.869 | 0.13296 | 0.00000 | 602892.1 | 482850.0 | 0.0 | S |
| 205.183 | 0.0000 | 0.0000 | 80.869 | 0.13295 | 0.00000 | 602892.1 | 482854.0 | 0.0 | S |
| 205.192 | 0.0000 | 0.0000 | 80.869 | 0.13294 | 0.00000 | 602892.1 | 482858.0 | 0.0 | S |
| 205.200 | 0.0000 | 0.0000 | 80.869 | 0.13294 | 0.00000 | 602892.1 | 482861.9 | 0.0 | S |
| 205.208 | 0.0000 | 0.0000 | 80.869 | 0.13293 | 0.00000 | 602892.1 | 482865.9 | 0.0 | S |
| 205.217 | 0.0000 | 0.0000 | 80.868 | 0.13293 | 0.00000 | 602892.1 | 482869.9 | 0.0 | S |
| 205.225 | 0.0000 | 0.0000 | 80.868 | 0.13292 | 0.00000 | 602892.1 | 482873.9 | 0.0 | S |
| 205.233 | 0.0000 | 0.0000 | 80.868 | 0.13291 | 0.00000 | 602892.1 | 482877.9 | 0.0 | S |
| 205.242 | 0.0000 | 0.0000 | 80.868 | 0.13291 | 0.00000 | 602892.1 | 482881.9 | 0.0 | S |
| 205.250 | 0.0000 | 0.0000 | 80.868 | 0.13290 | 0.00000 | 602892.1 | 482885.9 | 0.0 | S |
| 205.258 | 0.0000 | 0.0000 | 80.868 | 0.13290 | 0.00000 | 602892.1 | 482889.9 | 0.0 | S |
| 205.267 | 0.0000 | 0.0000 | 80.868 | 0.13289 | 0.00000 | 602892.1 | 482893.8 | 0.0 | S |
| 205.275 | 0.0000 | 0.0000 | 80.868 | 0.13288 | 0.00000 | 602892.1 | 482897.8 | 0.0 | S |
| 205.283 | 0.0000 | 0.0000 | 80.868 | 0.13288 | 0.00000 | 602892.1 | 482901.8 | 0.0 | S |
| 205.292 | 0.0000 | 0.0000 | 80.868 | 0.13287 | 0.00000 | 602892.1 | 482905.8 | 0.0 | S |
| 205.300 | 0.0000 | 0.0000 | 80.868 | 0.13287 | 0.00000 | 602892.1 | 482909.8 | 0.0 | S |
| 205.308 | 0.0000 | 0.0000 | 80.868 | 0.13286 | 0.00000 | 602892.1 | 482913.8 | 0.0 | S |
| 205.317 | 0.0000 | 0.0000 | 80.868 | 0.13285 | 0.00000 | 602892.1 | 482917.8 | 0.0 | S |
| 205.325 | 0.0000 | 0.0000 | 80.867 | 0.13285 | 0.00000 | 602892.1 | 482921.8 | 0.0 | S |
| 205.333 | 0.0000 | 0.0000 | 80.867 | 0.13284 | 0.00000 | 602892.1 | 482925.8 | 0.0 | S |
| 205.342 | 0.0000 | 0.0000 | 80.867 | 0.13284 | 0.00000 | 602892.1 | 482929.7 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate (ft3/s) | Outside Recharge (fuday) | Stage Elevation (fidatum) | Infiltration Rate ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{n}^{3 / \mathrm{s}}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume (ft ${ }^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 205.350 | 0.0000 | 0.0000 | 80.867 | 0.13283 | 0.00000 | 602892.1 | 482933.7 | 0.0 | S |
| 205.358 | 0.0000 | 0.0000 | 80.867 | 0.13283 | 0.00000 | 602892.1 | 482937.7 | 0.0 | S |
| 205.367 | 0.0000 | 0.0000 | 80.867 | 0.13282 | 0.00000 | 602892.1 | 482941.7 | 0.0 | S |
| 205.375 | 0.0000 | 0.0000 | 80.867 | 0.13281 | 0.00000 | 602892.1 | 482945.7 | 0.0 | S |
| 205.383 | 0.0000 | 0.0000 | 80.867 | 0.13281 | 0.00000 | 602892.1 | 482949.7 | 0.0 | S |
| 205.392 | 0.0000 | 0.0000 | 80.867 | 0.13280 | 0.00000 | 602892.1 | 482953.6 | 0.0 | S |
| 205.400 | 0.0000 | 0.0000 | 80.867 | 0.13280 | 0.00000 | 602892.1 | 482957.6 | 0.0 | S |
| 205.408 | 0.0000 | 0.0000 | 80.867 | 0.13279 | 0.00000 | 602892.1 | 482961.6 | 0.0 | S |
| 205.417 | 0.0000 | 0.0000 | 80.867 | 0.13278 | 0.00000 | 602892.1 | 482965.6 | 0.0 | S |
| 205.425 | 0.0000 | 0.0000 | 80.866 | 0.13278 | 0.00000 | 602892.1 | 482969.6 | 0.0 | S |
| 205.433 | 0.0000 | 0.0000 | 80.866 | 0.13277 | 0.00000 | 602892.1 | 482973.6 | 0.0 | S |
| 205.442 | 0.0000 | 0.0000 | 80.866 | 0.13277 | 0.00000 | 602892.1 | 482977.5 | 0.0 | S |
| 205.450 | 0.0000 | 0.0000 | 80.866 | 0.13276 | 0.00000 | 602892.1 | 482981.5 | 0.0 | S |
| 205.458 | 0.0000 | 0.0000 | 80.866 | 0.13275 | 0.00000 | 602892.1 | 482985.5 | 0.0 | S |
| 205.467 | 0.0000 | 0.0000 | 80.866 | 0.13275 | 0.00000 | 602892.1 | 482989.5 | 0.0 | S |
| 205.475 | 0.0000 | 0.0000 | 80.866 | 0.13274 | 0.00000 | 602892.1 | 482993.5 | 0.0 | S |
| 205.483 | 0.0000 | 0.0000 | 80.866 | 0.13274 | 0.00000 | 602892.1 | 482997.4 | 0.0 | S |
| 205.492 | 0.0000 | 0.0000 | 80.866 | 0.13273 | 0.00000 | 602892.1 | 483001.4 | 0.0 | S |
| 205.500 | 0.0000 | 0.0000 | 80.866 | 0.13272 | 0.00000 | 602892.1 | 483005.4 | 0.0 | S |
| 205.508 | 0.0000 | 0.0000 | 80.866 | 0.13272 | 0.00000 | 602892.1 | 483009.4 | 0.0 | S |
| 205.517 | 0.0000 | 0.0000 | 80.866 | 0.13271 | 0.00000 | 602892.1 | 483013.4 | 0.0 | S |
| 205.525 | 0.0000 | 0.0000 | 80.866 | 0.13271 | 0.00000 | 602892.1 | 483017.3 | 0.0 | S |
| 205.533 | 0.0000 | 0.0000 | 80.865 | 0.13270 | 0.00000 | 602892.1 | 483021.3 | 0.0 | S |
| 205.542 | 0.0000 | 0.0000 | 80.865 | 0.13270 | 0.00000 | 602892.1 | 483025.3 | 0.0 | S |
| 205.550 | 0.0000 | 0.0000 | 80.865 | 0.13269 | 0.00000 | 602892.1 | 483029.3 | 0.0 | S |
| 205.558 | 0.0000 | 0.0000 | 80.865 | 0.13268 | 0.00000 | 602892.1 | 483033.3 | 0.0 | S |
| 205.567 | 0.0000 | 0.0000 | 80.865 | 0.13268 | 0.00000 | 602892.1 | 483037.3 | 0.0 | S |
| 205.575 | 0.0000 | 0.0000 | 80.865 | 0.13267 | 0.00000 | 602892.1 | 483041.3 | 0.0 | S |
| 205.583 | 0.0000 | 0.0000 | 80.865 | 0.13267 | 0.00000 | 602892.1 | 483045.2 | 0.0 | S |
| 205.592 | 0.0000 | 0.0000 | 80.865 | 0.13266 | 0.00000 | 602892.1 | 483049.2 | 0.0 | S |
| 205.600 | 0.0000 | 0.0000 | 80.865 | 0.13265 | 0.00000 | 602892.1 | 483053.2 | 0.0 | S |
| 205.608 | 0.0000 | 0.0000 | 80.865 | 0.13265 | 0.00000 | 602892.1 | 483057.2 | 0.0 | S |
| 205.617 | 0.0000 | 0.0000 | 80.865 | 0.13264 | 0.00000 | 602892.1 | 483061.1 | 0.0 | S |
| 205.625 | 0.0000 | 0.0000 | 80.865 | 0.13264 | 0.00000 | 602892.1 | 483065.1 | 0.0 | S |
| 205.633 | 0.0000 | 0.0000 | 80.865 | 0.13263 | 0.00000 | 602892.1 | 483069.1 | 0.0 | S |
| 205.642 | 0.0000 | 0.0000 | 80.864 | 0.13262 | 0.00000 | 602892.1 | 483073.1 | 0.0 | S |
| 205.650 | 0.0000 | 0.0000 | 80.864 | 0.13262 | 0.00000 | 602892.1 | 483077.1 | 0.0 | S |
| 205.658 | 0.0000 | 0.0000 | 80.864 | 0.13261 | 0.00000 | 602892.1 | 483081.0 | 0.0 | S |
| 205.667 | 0.0000 | 0.0000 | 80.864 | 0.13261 | 0.00000 | 602892.1 | 483085.0 | 0.0 | S |
| 205.675 | 0.0000 | 0.0000 | 80.864 | 0.13260 | 0.00000 | 602892.1 | 483089.0 | 0.0 | S |
| 205.683 | 0.0000 | 0.0000 | 80.864 | 0.13259 | 0.00000 | 602892.1 | 483093.0 | 0.0 | S |
| 205.692 | 0.0000 | 0.0000 | 80.864 | 0.13259 | 0.00000 | 602892.1 | 483096.9 | 0.0 | S |
| 205.700 | 0.0000 | 0.0000 | 80.864 | 0.13258 | 0.00000 | 602892.1 | 483100.9 | 0.0 | S |
| 205.708 | 0.0000 | 0.0000 | 80.864 | 0.13258 | 0.00000 | 602892.1 | 483104.9 | 0.0 | S |
| 205.717 | 0.0000 | 0.0000 | 80.864 | 0.13257 | 0.00000 | 602892.1 | 483108.9 | 0.0 | S |
| 205.725 | 0.0000 | 0.0000 | 80.864 | 0.13257 | 0.00000 | 602892.1 | 483112.8 | 0.0 | S |
| 205.733 | 0.0000 | 0.0000 | 80.864 | 0.13256 | 0.00000 | 602892.1 | 483116.8 | 0.0 | S |
| 205.742 | 0.0000 | 0.0000 | 80.863 | 0.13255 | 0.00000 | 602892.1 | 483120.8 | 0.0 | S |
| 205.750 | 0.0000 | 0.0000 | 80.863 | 0.13255 | 0.00000 | 602892.1 | 483124.8 | 0.0 | S |
| 205.758 | 0.0000 | 0.0000 | 80.863 | 0.13254 | 0.00000 | 602892.1 | 483128.8 | 0.0 | S |
| 205.767 | 0.0000 | 0.0000 | 80.863 | 0.13254 | 0.00000 | 602892.1 | 483132.7 | 0.0 | S |
| 205.775 | 0.0000 | 0.0000 | 80.863 | 0.13253 | 0.00000 | 602892.1 | 483136.7 | 0.0 | S |
| 205.783 | 0.0000 | 0.0000 | 80.863 | 0.13252 | 0.00000 | 602892.1 | 483140.7 | 0.0 | S |
| 205.792 | 0.0000 | 0.0000 | 80.863 | 0.13252 | 0.00000 | 602892.1 | 483144.7 | 0.0 | S |
| 205.800 | 0.0000 | 0.0000 | 80.863 | 0.13251 | 0.00000 | 602892.1 | 483148.6 | 0.0 | S |
| 205.808 | 0.0000 | 0.0000 | 80.863 | 0.13251 | 0.00000 | 602892.1 | 483152.6 | 0.0 | S |
| 205.817 | 0.0000 | 0.0000 | 80.863 | 0.13250 | 0.00000 | 602892.1 | 483156.6 | 0.0 | S |
| 205.825 | 0.0000 | 0.0000 | 80.863 | 0.13249 | 0.00000 | 602892.1 | 483160.6 | 0.0 | S |
| 205.833 | 0.0000 | 0.0000 | 80.863 | 0.13249 | 0.00000 | 602892.1 | 483164.5 | 0.0 | S |
| 205.842 | 0.0000 | 0.0000 | 80.863 | 0.13248 | 0.00000 | 602892.1 | 483168.5 | 0.0 | S |
| 205.850 | 0.0000 | 0.0000 | 80.862 | 0.13248 | 0.00000 | 602892.1 | 483172.5 | 0.0 | S |
| 205.858 | 0.0000 | 0.0000 | 80.862 | 0.13247 | 0.00000 | 602892.1 | 483176.5 | 0.0 | S |
| 205.867 | 0.0000 | 0.0000 | 80.862 | 0.13247 | 0.00000 | 602892.1 | 483180.4 | 0.0 | S |
| 205.875 | 0.0000 | 0.0000 | 80.862 | 0.13246 | 0.00000 | 602892.1 | 483184.4 | 0.0 | S |
| 205.883 | 0.0000 | 0.0000 | 80.862 | 0.13245 | 0.00000 | 602892.1 | 483188.4 | 0.0 | S |
| 205.892 | 0.0000 | 0.0000 | 80.862 | 0.13245 | 0.00000 | 602892.1 | 483192.3 | 0.0 | S |
| 205.900 | 0.0000 | 0.0000 | 80.862 | 0.13244 | 0.00000 | 602892.1 | 483196.3 | 0.0 | S |
| 205.908 | 0.0000 | 0.0000 | 80.862 | 0.13244 | 0.00000 | 602892.1 | 483200.3 | 0.0 | S |
| 205.917 | 0.0000 | 0.0000 | 80.862 | 0.13243 | 0.00000 | 602892.1 | 483204.3 | 0.0 | S |
| 205.925 | 0.0000 | 0.0000 | 80.862 | 0.13242 | 0.00000 | 602892.1 | 483208.3 | 0.0 | S |
| 205.933 | 0.0000 | 0.0000 | 80.862 | 0.13242 | 0.00000 | 602892.1 | 483212.2 | 0.0 | S |
| 205.942 | 0.0000 | 0.0000 | 80.862 | 0.13241 | 0.00000 | 602892.1 | 483216.2 | 0.0 | S |
| 205.950 | 0.0000 | 0.0000 | 80.862 | 0.13241 | 0.00000 | 602892.1 | 483220.2 | 0.0 | S |
| 205.958 | 0.0000 | 0.0000 | 80.861 | 0.13240 | 0.00000 | 602892.1 | 483224.1 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{A}^{3 / \mathrm{s}} \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | $\begin{aligned} & \text { Cumulative } \\ & \text { Inflow } \\ & \text { Volume ( } \mathrm{ft}^{3} \text { ) } \end{aligned}$ | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 205.967 | 0.0000 | 0.0000 | 80.861 | 0.13239 | 0.00000 | 602892.1 | 483228.1 | 0.0 | S |
| 205.975 | 0.0000 | 0.0000 | 80.861 | 0.13239 | 0.00000 | 602892.1 | 483232.1 | 0.0 | S |
| 205.983 | 0.0000 | 0.0000 | 80.861 | 0.13238 | 0.00000 | 602892.1 | 483236.1 | 0.0 | S |
| 205.992 | 0.0000 | 0.0000 | 80.861 | 0.13238 | 0.00000 | 602892.1 | 483240.0 | 0.0 | S |
| 206.000 | 0.0000 | 0.0000 | 80.861 | 0.13237 | 0.00000 | 602892.1 | 483244.0 | 0.0 | S |
| 206.008 | 0.0000 | 0.0000 | 80.861 | 0.13237 | 0.00000 | 602892.1 | 483248.0 | 0.0 | S |
| 206.017 | 0.0000 | 0.0000 | 80.861 | 0.13236 | 0.00000 | 602892.1 | 483251.9 | 0.0 | S |
| 206.025 | 0.0000 | 0.0000 | 80.861 | 0.13235 | 0.00000 | 602892.1 | 483255.9 | 0.0 | S |
| 206.033 | 0.0000 | 0.0000 | 80.861 | 0.13235 | 0.00000 | 602892.1 | 483259.9 | 0.0 | S |
| 206.042 | 0.0000 | 0.0000 | 80.861 | 0.13234 | 0.00000 | 602892.1 | 483263.8 | 0.0 | S |
| 206.050 | 0.0000 | 0.0000 | 80.861 | 0.13234 | 0.00000 | 602892.1 | 483267.8 | 0.0 | S |
| 206.058 | 0.0000 | 0.0000 | 80.860 | 0.13233 | 0.00000 | 602892.1 | 483271.8 | 0.0 | S |
| 206.067 | 0.0000 | 0.0000 | 80.860 | 0.13232 | 0.00000 | 602892.1 | 483275.8 | 0.0 | S |
| 206.075 | 0.0000 | 0.0000 | 80.860 | 0.13232 | 0.00000 | 602892.1 | 483279.7 | 0.0 | S |
| 206.083 | 0.0000 | 0.0000 | 80.860 | 0.13231 | 0.00000 | 602892.1 | 483283.7 | 0.0 | S |
| 206.092 | 0.0000 | 0.0000 | 80.860 | 0.13231 | 0.00000 | 602892.1 | 483287.7 | 0.0 | S |
| 206.100 | 0.0000 | 0.0000 | 80.860 | 0.13230 | 0.00000 | 602892.1 | 483291.6 | 0.0 | S |
| 206.108 | 0.0000 | 0.0000 | 80.860 | 0.13229 | 0.00000 | 602892.1 | 483295.6 | 0.0 | S |
| 206.117 | 0.0000 | 0.0000 | 80.860 | 0.13229 | 0.00000 | 602892.1 | 483299.6 | 0.0 | S |
| 206.125 | 0.0000 | 0.0000 | 80.860 | 0.13228 | 0.00000 | 602892.1 | 483303.5 | 0.0 | S |
| 206.133 | 0.0000 | 0.0000 | 80.860 | 0.13228 | 0.00000 | 602892.1 | 483307.5 | 0.0 | S |
| 206.142 | 0.0000 | 0.0000 | 80.860 | 0.13227 | 0.00000 | 602892.1 | 483311.5 | 0.0 | S |
| 206.150 | 0.0000 | 0.0000 | 80.860 | 0.13227 | 0.00000 | 602892.1 | 483315.4 | 0.0 | S |
| 206.158 | 0.0000 | 0.0000 | 80.860 | 0.13226 | 0.00000 | 602892.1 | 483319.4 | 0.0 | S |
| 206.167 | 0.0000 | 0.0000 | 80.859 | 0.13225 | 0.00000 | 602892.1 | 483323.4 | 0.0 | S |
| 206.175 | 0.0000 | 0.0000 | 80.859 | 0.13225 | 0.00000 | 602892.1 | 483327.3 | 0.0 | S |
| 206.183 | 0.0000 | 0.0000 | 80.859 | 0.13224 | 0.00000 | 602892.1 | 483331.3 | 0.0 | S |
| 206.192 | 0.0000 | 0.0000 | 80.859 | 0.13224 | 0.00000 | 602892.1 | 483335.3 | 0.0 | S |
| 206.200 | 0.0000 | 0.0000 | 80.859 | 0.13223 | 0.00000 | 602892.1 | 483339.3 | 0.0 | S |
| 206.208 | 0.0000 | 0.0000 | 80.859 | 0.13222 | 0.00000 | 602892.1 | 483343.2 | 0.0 | S |
| 206.217 | 0.0000 | 0.0000 | 80.859 | 0.13222 | 0.00000 | 602892.1 | 483347.2 | 0.0 | S |
| 206.225 | 0.0000 | 0.0000 | 80.859 | 0.13221 | 0.00000 | 602892.1 | 483351.2 | 0.0 | S |
| 206.233 | 0.0000 | 0.0000 | 80.859 | 0.13221 | 0.00000 | 602892.1 | 483355.1 | 0.0 | S |
| 206.242 | 0.0000 | 0.0000 | 80.859 | 0.13220 | 0.00000 | 602892.1 | 483359.1 | 0.0 | S |
| 206.250 | 0.0000 | 0.0000 | 80.859 | 0.13220 | 0.00000 | 602892.1 | 483363.1 | 0.0 | S |
| 206.258 | 0.0000 | 0.0000 | 80.859 | 0.13219 | 0.00000 | 602892.1 | 483367.0 | 0.0 | S |
| 206.267 | 0.0000 | 0.0000 | 80.859 | 0.13218 | 0.00000 | 602892.1 | 483371.0 | 0.0 | S |
| 206.275 | 0.0000 | 0.0000 | 80.858 | 0.13218 | 0.00000 | 602892.1 | 483374.9 | 0.0 | S |
| 206.283 | 0.0000 | 0.0000 | 80.858 | 0.13217 | 0.00000 | 602892.1 | 483378.9 | 0.0 | S |
| 206.292 | 0.0000 | 0.0000 | 80.858 | 0.13217 | 0.00000 | 602892.1 | 483382.9 | 0.0 | S |
| 206.300 | 0.0000 | 0.0000 | 80.858 | 0.13216 | 0.00000 | 602892.1 | 483386.8 | 0.0 | S |
| 206.308 | 0.0000 | 0.0000 | 80.858 | 0.13215 | 0.00000 | 602892.1 | 483390.8 | 0.0 | S |
| 206.317 | 0.0000 | 0.0000 | 80.858 | 0.13215 | 0.00000 | 602892.1 | 483394.8 | 0.0 | S |
| 206.325 | 0.0000 | 0.0000 | 80.858 | 0.13214 | 0.00000 | 602892.1 | 483398.8 | 0.0 | S |
| 206.333 | 0.0000 | 0.0000 | 80.858 | 0.13214 | 0.00000 | 602892.1 | 483402.7 | 0.0 | S |
| 206.342 | 0.0000 | 0.0000 | 80.858 | 0.13213 | 0.00000 | 602892.1 | 483406.7 | 0.0 | S |
| 206.350 | 0.0000 | 0.0000 | 80.858 | 0.13212 | 0.00000 | 602892.1 | 483410.6 | 0.0 | S |
| 206.358 | 0.0000 | 0.0000 | 80.858 | 0.13212 | 0.00000 | 602892.1 | 483414.6 | 0.0 | S |
| 206.367 | 0.0000 | 0.0000 | 80.858 | 0.13211 | 0.00000 | 602892.1 | 483418.6 | 0.0 | S |
| 206.375 | 0.0000 | 0.0000 | 80.858 | 0.13211 | 0.00000 | 602892.1 | 483422.5 | 0.0 | S |
| 206.383 | 0.0000 | 0.0000 | 80.857 | 0.13210 | 0.00000 | 602892.1 | 483426.5 | 0.0 | S |
| 206.392 | 0.0000 | 0.0000 | 80.857 | 0.13210 | 0.00000 | 602892.1 | 483430.4 | 0.0 | S |
| 206.400 | 0.0000 | 0.0000 | 80.857 | 0.13209 | 0.00000 | 602892.1 | 483434.4 | 0.0 | S |
| 206.408 | 0.0000 | 0.0000 | 80.857 | 0.13208 | 0.00000 | 602892.1 | 483438.4 | 0.0 | S |
| 206.417 | 0.0000 | 0.0000 | 80.857 | 0.13208 | 0.00000 | 602892.1 | 483442.3 | 0.0 | S |
| 206.425 | 0.0000 | 0.0000 | 80.857 | 0.13207 | 0.00000 | 602892.1 | 483446.3 | 0.0 | S |
| 206.433 | 0.0000 | 0.0000 | 80.857 | 0.13207 | 0.00000 | 602892.1 | 483450.3 | 0.0 | S |
| 206.442 | 0.0000 | 0.0000 | 80.857 | 0.13206 | 0.00000 | 602892.1 | 483454.2 | 0.0 | S |
| 206.450 | 0.0000 | 0.0000 | 80.857 | 0.13205 | 0.00000 | 602892.1 | 483458.2 | 0.0 | S |
| 206.458 | 0.0000 | 0.0000 | 80.857 | 0.13205 | 0.00000 | 602892.1 | 483462.1 | 0.0 | S |
| 206.467 | 0.0000 | 0.0000 | 80.857 | 0.13204 | 0.00000 | 602892.1 | 483466.1 | 0.0 | S |
| 206.475 | 0.0000 | 0.0000 | 80.857 | 0.13204 | 0.00000 | 602892.1 | 483470.1 | 0.0 | S |
| 206.483 | 0.0000 | 0.0000 | 80.856 | 0.13203 | 0.00000 | 602892.1 | 483474.0 | 0.0 | S |
| 206.492 | 0.0000 | 0.0000 | 80.856 | 0.13203 | 0.00000 | 602892.1 | 483478.0 | 0.0 | S |
| 206.500 | 0.0000 | 0.0000 | 80.856 | 0.13202 | 0.00000 | 602892.1 | 483481.9 | 0.0 | S |
| 206.508 | 0.0000 | 0.0000 | 80.856 | 0.13201 | 0.00000 | 602892.1 | 483485.9 | 0.0 | S |
| 206.517 | 0.0000 | 0.0000 | 80.856 | 0.13201 | 0.00000 | 602892.1 | 483489.9 | 0.0 | S |
| 206.525 | 0.0000 | 0.0000 | 80.856 | 0.13200 | 0.00000 | 602892.1 | 483493.8 | 0.0 | S |
| 206.533 | 0.0000 | 0.0000 | 80.856 | 0.13200 | 0.00000 | 602892.1 | 483497.8 | 0.0 | S |
| 206.542 | 0.0000 | 0.0000 | 80.856 | 0.13199 | 0.00000 | 602892.1 | 483501.8 | 0.0 | S |
| 206.550 | 0.0000 | 0.0000 | 80.856 | 0.13198 | 0.00000 | 602892.1 | 483505.7 | 0.0 | S |
| 206.558 | 0.0000 | 0.0000 | 80.856 | 0.13198 | 0.00000 | 602892.1 | 483509.7 | 0.0 | S |
| 206.567 | 0.0000 | 0.0000 | 80.856 | 0.13197 | 0.00000 | 602892.1 | 483513.6 | 0.0 | S |
| 206.575 | 0.0000 | 0.0000 | 80.856 | 0.13197 | 0.00000 | 602892.1 | 483517.6 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year/24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate (f13/s) | Outside Recharge (ft/day) | Stage Elevation ( ft datum) | Infiltration Rate $\left(\mathrm{f}^{3 / 3}\right)$ | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Infiow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infilltration Volume (ft ${ }^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 206.583 | 0.0000 | 0.0000 | 80.856 | 0.13196 | 0.00000 | 602892.1 | 483521.5 | 0.0 | S |
| 206.592 | 0.0000 | 0.0000 | 80.855 | 0.73196 | 0.00000 | 602892.1 | 483525.5 | 0.0 | S |
| 206.600 | 0.0000 | 0.0000 | 80.855 | 0.13195 | 0.00000 | 602892.1 | 483529.5 | 0.0 | S |
| 206.608 | 0.0000 | 0.0000 | 80.855 | 0.13194 | 0.00000 | 602892.1 | 483533.4 | 0.0 | S |
| 206.617 | 0.0000 | 0.0000 | 80.855 | 0.13194 | 0.00000 | 602892.1 | 483537.4 | 0.0 | S |
| 206.625 | 0.0000 | 0.0000 | 80.855 | 0.13193 | 0.00000 | 602892.1 | 483541.3 | 0.0 | S |
| 206.633 | 0.0000 | 0.0000 | 80.855 | 0.13193 | 0.00000 | 602892.1 | 483545.3 | 0.0 | S |
| 206.642 | 0.0000 | 0.0000 | 80.855 | 0.13192 | 0.00000 | 602892.1 | 483549.3 | 0.0 | S |
| 206.650 | 0.0000 | 0.0000 | 80.855 | 0.13191 | 0.00000 | 602892.1 | 483553.2 | 0.0 | S |
| 206.658 | 0.0000 | 0.0000 | 80.855 | 0.13191 | 0.00000 | 602892.1 | 483557.2 | 0.0 | S |
| 206.667 | 0.0000 | 0.0000 | 80.855 | 0.13190 | 0.00000 | 602892.1 | 483561.1 | 0.0 | S |
| 206.675 | 0.0000 | 0.0000 | 80.855 | 0.13190 | 0.00000 | 602892.1 | 483565.1 | 0.0 | S |
| 206.683 | 0.0000 | 0.0000 | 80.855 | 0.13189 | 0.00000 | 602892.1 | 483569.0 | 0.0 | S |
| 206.692 | 0.0000 | 0.0000 | 80.855 | 0.13189 | 0.00000 | 602892.1 | 483573.0 | 0.0 | S |
| 206.700 | 0.0000 | 0.0000 | 80.854 | 0.13188 | 0.00000 | 602892.1 | 483576.9 | 0.0 | S |
| 206.708 | 0.0000 | 0.0000 | 80.854 | 0.13187 | 0.00000 | 602892.1 | 483580.9 | 0.0 | S |
| 206.717 | 0.0000 | 0.0000 | 80.854 | 0.13187 | 0.00000 | 602892.1 | 483584.9 | 0.0 | S |
| 206.725 | 0.0000 | 0.0000 | 80.854 | 0.13186 | 0.00000 | 602892.1 | 483588.8 | 0.0 | S |
| 206.733 | 0.0000 | 0.0000 | 80.854 | 0.13186 | 0.00000 | 602892.1 | 483592.8 | 0.0 | S |
| 206.742 | 0.0000 | 0.0000 | 80.854 | 0.13185 | 0.00000 | 602892.1 | 483596.7 | 0.0 | S |
| 206.750 | 0.0000 | 0.0000 | 80.854 | 0.13184 | 0.00000 | 602892.1 | 483600.7 | 0.0 | S |
| 206.758 | 0.0000 | 0.0000 | 80.854 | 0.13184 | 0.00000 | 602892.1 | 483604.6 | 0.0 | S |
| 206.767 | 0.0000 | 0.0000 | 80.854 | 0.13183 | 0.00000 | 602892.1 | 483608.6 | 0.0 | S |
| 206.775 | 0.0000 | 0.0000 | 80.854 | 0.13183 | 0.00000 | 602892.1 | 483612.6 | 0.0 | S |
| 206.783 | 0.0000 | 0.0000 | 80.854 | 0.13182 | 0.00000 | 602892.1 | 483616.5 | 0.0 | S |
| 206.792 | 0.0000 | 0.0000 | 80.854 | 0.13182 | 0.00000 | 602892.1 | 483620.5 | 0.0 | S |
| 206.800 | 0.0000 | 0.0000 | 80.853 | 0.13181 | 0.00000 | 602892.1 | 483624.4 | 0.0 | S |
| 206.808 | 0.0000 | 0.0000 | 80.853 | 0.13180 | 0.00000 | 602892.1 | 483628.4 | 0.0 | S |
| 206.817 | 0.0000 | 0.0000 | 80.853 | 0.13180 | 0.00000 | 602892.1 | 483632.3 | 0.0 | S |
| 206.825 | 0.0000 | 0.0000 | 80.853 | 0.13179 | 0.00000 | 602892.1 | 483636.3 | 0.0 | S |
| 206.833 | 0.0000 | 0.0000 | 80.853 | 0.13179 | 0.00000 | 602892.1 | 483640.2 | 0.0 | S |
| 206.842 | 0.0000 | 0.0000 | 80.853 | 0.13178 | 0.00000 | 602892.1 | 483644.2 | 0.0 | S |
| 206.850 | 0.0000 | 0.0000 | 80.853 | 0.13177 | 0.00000 | 602892.1 | 483648.1 | 0.0 | S |
| 206.858 | 0.0000 | 0.0000 | 80.853 | 0.13177 | 0.00000 | 602892.1 | 483652.1 | 0.0 | S |
| 206.867 | 0.0000 | 0.0000 | 80.853 | 0.13176 | 0.00000 | 602892.1 | 483656.0 | 0.0 | S |
| 206.875 | 0.0000 | 0.0000 | 80.853 | 0.13176 | 0.00000 | 602892.1 | 483660.0 | 0.0 | S |
| 206.883 | 0.0000 | 0.0000 | 80.853 | 0.13175 | 0.00000 | 602892.1 | 483663.9 | 0.0 | S |
| 206.892 | 0.0000 | 0.0000 | 80.853 | 0.13175 | 0.00000 | 602892.1 | 483667.9 | 0.0 | S |
| 206.900 | 0.0000 | 0.0000 | 80.853 | 0.13174 | 0.00000 | 602892.1 | 483671.8 | 0.0 | S |
| 206.908 | 0.0000 | 0.0000 | 80.852 | 0.13173 | 0.00000 | 602892.1 | 483675.8 | 0.0 | S |
| 206.917 | 0.0000 | 0.0000 | 80.852 | 0.13173 | 0.00000 | 602892.1 | 483679.8 | 0.0 | S |
| 206.925 | 0.0000 | 0.0000 | 80.852 | 0.13172 | 0.00000 | 602892.1 | 483683.7 | 0.0 | S |
| 206.933 | 0.0000 | 0.0000 | 80.852 | 0.13172 | 0.00000 | 602892.1 | 483687.7 | 0.0 | S |
| 206.942 | 0.0000 | 0.0000 | 80.852 | 0.13171 | 0.00000 | 602892.1 | 483691.6 | 0.0 | S |
| 206.950 | 0.0000 | 0.0000 | 80.852 | 0.13170 | 0.00000 | 602892.1 | 483695.6 | 0.0 | S |
| 206.958 | 0.0000 | 0.0000 | 80.852 | 0.13170 | 0.00000 | 602892.1 | 483699.5 | 0.0 | S |
| 206.967 | 0.0000 | 0.0000 | 80.852 | 0.13169 | 0.00000 | 602892.1 | 483703.5 | 0.0 | S |
| 206.975 | 0.0000 | 0.0000 | 80.852 | 0.13169 | 0.00000 | 602892.1 | 483707.4 | 0.0 | S |
| 206.983 | 0.0000 | 0.0000 | 80.852 | 0.13168 | 0.00000 | 602892.1 | 483711.4 | 0.0 | S |
| 206.992 | 0.0000 | 0.0000 | 80.852 | 0.13168 | 0.00000 | 602892.1 | 483715.3 | 0.0 | S |
| 207.000 | 0.0000 | 0.0000 | 80.852 | 0.13167 | 0.00000 | 602892.1 | 483719.3 | 0.0 | S |
| 207.008 | 0.0000 | 0.0000 | 80.852 | 0.13166 | 0.00000 | 602892.1 | 483723.2 | 0.0 | S |
| 207.017 | 0.0000 | 0.0000 | 80.851 | 0.13166 | 0.00000 | 602892.1 | 483727.2 | 0.0 | S |
| 207.025 | 0.0000 | 0.0000 | 80.851 | 0.13165 | 0.00000 | 602892.1 | 483731.1 | 0.0 | S |
| 207.033 | 0.0000 | 0.0000 | 80.851 | 0.13165 | 0.00000 | 602892.1 | 483735.1 | 0.0 | S |
| 207.042 | 0.0000 | 0.0000 | 80.851 | 0.13164 | 0.00000 | 602892.1 | 483739.0 | 0.0 | S |
| 207.050 | 0.0000 | 0.0000 | 80.851 | 0.13163 | 0.00000 | 602892.1 | 483743.0 | 0.0 | S |
| 207.058 | 0.0000 | 0.0000 | 80.851 | 0.13163 | 0.00000 | 602892.1 | 483746.9 | 0.0 | S |
| 207.067 | 0.0000 | 0.0000 | 80.851 | 0.13162 | 0.00000 | 602892.1 | 483750.9 | 0.0 | S |
| 207.075 | 0.0000 | 0.0000 | 80.851 | 0.13162 | 0.00000 | 602892.1 | 483754.8 | 0.0 | S |
| 207.083 | 0.0000 | 0.0000 | 80.851 | 0.13161 | 0.00000 | 602892.1 | 483758.8 | 0.0 | S |
| 207.092 | 0.0000 | 0.0000 | 80.851 | 0.13161 | 0.00000 | 602892.1 | 483762.7 | 0.0 | S |
| 207.100 | 0.0000 | 0.0000 | 80.851 | 0.13160 | 0.00000 | 602892.1 | 483766.7 | 0.0 | S |
| 207.108 | 0.0000 | 0.0000 | 80.851 | 0.13159 | 0.00000 | 602892.1 | 483770.6 | 0.0 | S |
| 207.117 | 0.0000 | 0.0000 | 80.851 | 0.13159 | 0.00000 | 602892.1 | 483774.6 | 0.0 | S |
| 207.125 | 0.0000 | 0.0000 | 80.850 | 0.13158 | 0.00000 | 602892.1 | 483778.5 | 0.0 | S |
| 207.133 | 0.0000 | 0.0000 | 80.850 | 0.13158 | 0.00000 | 602892.1 | 483782.4 | 0.0 | S |
| 207.142 | 0.0000 | 0.0000 | 80.850 | 0.13157 | 0.00000 | 602892.1 | 483786.4 | 0.0 | S |
| 207.150 | 0.0000 | 0.0000 | 80.850 | 0.13156 | 0.00000 | 602892.1 | 483790.3 | 0.0 | S |
| 207.158 | 0.0000 | 0.0000 | 80.850 | 0.13156 | 0.00000 | 602892.1 | 483794.3 | 0.0 | S |
| 207.167 | 0.0000 | 0.0000 | 80.850 | 0.13155 | 0.00000 | 602892.1 | 483798.2 | 0.0 | S |
| 207.175 | 0.0000 | 0.0000 | 80.850 | 0.13155 | 0.00000 | 602892.1 | 483802.2 | 0.0 | S |
| 207.183 | 0.0000 | 0.0000 | 80.850 | 0.13154 | 0.00000 | 602892.1 | 483806.1 | 0.0 | S |
| 207.192 | 0.0000 | 0.0000 | 80.850 | 0.13154 | 0.00000 | 602892.1 | 483810.1 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{H}^{3 / \mathrm{s}}$ ) | Outside Recharge (fldday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{Fl}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3 / \mathrm{s}} \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{A}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 207.200 | 0.0000 | 0.0000 | 80.850 | 0.13153 | 0.00000 | 602892.1 | 483814.0 | 0.0 | S |
| 207.208 | 0.0000 | 0.0000 | 80.850 | 0.13152 | 0.00000 | 602892.1 | 483818.0 | 0.0 | S |
| 207.217 | 0.0000 | 0.0000 | 80.850 | 0.13152 | 0.00000 | 602892.1 | 483821.9 | 0.0 | S |
| 207.225 | 0.0000 | 0.0000 | 80.849 | 0.13151 | 0.00000 | 602892.1 | 483825.8 | 0.0 | S |
| 207.233 | 0.0000 | 0.0000 | 80.849 | 0.13151 | 0.00000 | 602892.1 | 483829.8 | 0.0 | S |
| 207.242 | 0.0000 | 0.0000 | 80.849 | 0.13150 | 0.00000 | 602892.1 | 483833.8 | 0.0 | S |
| 207.250 | 0.0000 | 0.0000 | 80.849 | 0.13149 | 0.00000 | 602892.1 | 483837.7 | 0.0 | S |
| 207.258 | 0.0000 | 0.0000 | 80.849 | 0.13149 | 0.00000 | 602892.1 | 483841.6 | 0.0 | S |
| 207.267 | 0.0000 | 0.0000 | 80.849 | 0.13148 | 0.00000 | 602892.1 | 483845.6 | 0.0 | S |
| 207.275 | 0.0000 | 0.0000 | 80.849 | 0.13148 | 0.00000 | 602892.1 | 483849.5 | 0.0 | S |
| 207.283 | 0.0000 | 0.0000 | 80.849 | 0.13147 | 0.00000 | 602892.1 | 483853.5 | 0.0 | S |
| 207.292 | 0.0000 | 0.0000 | 80.849 | 0.13147 | 0.00000 | 602892.1 | 483857.4 | 0.0 | S |
| 207.300 | 0.0000 | 0.0000 | 80.849 | 0.13146 | 0.00000 | 602892.1 | 483861.3 | 0.0 | S |
| 207.308 | 0.0000 | 0.0000 | 80.849 | 0.13145 | 0.00000 | 602892.1 | 483865.3 | 0.0 | S |
| 207.317 | 0.0000 | 0.0000 | 80.849 | 0.13145 | 0.00000 | 602892.1 | 483869.3 | 0.0 | S |
| 207.325 | 0.0000 | 0.0000 | 80.849 | 0.13144 | 0.00000 | 602892.1 | 483873.2 | 0.0 | S |
| 207.333 | 0.0000 | 0.0000 | 80.848 | 0.13144 | 0.00000 | 602892.1 | 483877.1 | 0.0 | S |
| 207.342 | 0.0000 | 0.0000 | 80.848 | 0.13143 | 0.00000 | 602892.1 | 483881.1 | 0.0 | S |
| 207.350 | 0.0000 | 0.0000 | 80.848 | 0.13143 | 0.00000 | 602892.1 | 483885.0 | 0.0 | S |
| 207,358 | 0.0000 | 0.0000 | 80.848 | 0.13142 | 0.00000 | 602892.1 | 483889.0 | 0.0 | S |
| 207.367 | 0.0000 | 0.0000 | 80.848 | 0.13141 | 0.00000 | 602892.1 | 483892.9 | 0.0 | S |
| 207.375 | 0.0000 | 0.0000 | 80.848 | 0.13141 | 0.00000 | 602892.1 | 483896.8 | 0.0 | S |
| 207.383 | 0.0000 | 0.0000 | 80.848 | 0.13140 | 0.00000 | 602892.1 | 483900.8 | 0.0 | S |
| 207.392 | 0.0000 | 0.0000 | 80.848 | 0.13140 | 0.00000 | 602892.1 | 483904.7 | 0.0 | S |
| 207.400 | 0.0000 | 0.0000 | 80.848 | 0.13139 | 0.00000 | 602892.1 | 483908.7 | 0.0 | S |
| 207.408 | 0.0000 | 0.0000 | 80.848 | 0.13138 | 0.00000 | 602892.1 | 483912.6 | 0.0 | S |
| 207.417 | 0.0000 | 0.0000 | 80.848 | 0.13138 | 0.00000 | 602892.1 | 483916.6 | 0.0 | S |
| 207.425 | 0.0000 | 0.0000 | 80.848 | 0.13137 | 0.00000 | 602892.1 | 483920.5 | 0.0 | S |
| 207.433 | 0.0000 | 0.0000 | 80.848 | 0.13137 | 0.00000 | 602892.1 | 483924.4 | 0.0 | S |
| 207.442 | 0.0000 | 0.0000 | 80.847 | 0.13136 | 0.00000 | 602892.1 | 483928.4 | 0.0 | S |
| 207.450 | 0.0000 | 0.0000 | 80.847 | 0.13136 | 0.00000 | 602892.1 | 483932.3 | 0.0 | S |
| 207.458 | 0.0000 | 0.0000 | 80.847 | 0.13135 | 0.00000 | 602892.1 | 483936.3 | 0.0 | S |
| 207.467 | 0.0000 | 0.0000 | 80.847 | 0.13134 | 0.00000 | 602892.1 | 483940.2 | 0.0 | S |
| 207.475 | 0.0000 | 0.0000 | 80.847 | 0.13134 | 0.00000 | 602892.1 | 483944.1 | 0.0 | S |
| 207.483 | 0.0000 | 0.0000 | 80.847 | 0.13133 | 0.00000 | 602892.1 | 483948.1 | 0.0 | S |
| 207.492 | 0.0000 | 0.0000 | 80.847 | 0.13133 | 0.00000 | 602892.1 | 483952.0 | 0.0 | S |
| 207.500 | 0.0000 | 0.0000 | 80.847 | 0.13132 | 0.00000 | 602892.1 | 483956.0 | 0.0 | S |
| 207.508 | 0.0000 | 0.0000 | 80.847 | 0.13131 | 0.00000 | 602892.1 | 483959.9 | 0.0 | S |
| 207.517 | 0.0000 | 0.0000 | 80.847 | 0.13131 | 0.00000 | 602892.1 | 483963.8 | 0.0 | S |
| 207.525 | 0.0000 | 0.0000 | 80.847 | 0.13130 | 0.00000 | 602892.1 | 483967.8 | 0.0 | S |
| 207.533 | 0.0000 | 0.0000 | 80.847 | 0.13130 | 0.00000 | 602892.1 | 483971.7 | 0.0 | S |
| 207.542 | 0.0000 | 0.0000 | 80.847 | 0.13129 | 0.00000 | 602892.7 | 483975.7 | 0.0 | S |
| 207.550 | 0.0000 | 0.0000 | 80.846 | 0.13129 | 0.00000 | 602892.1 | 483979.6 | 0.0 | S |
| 207.558 | 0.0000 | 0.0000 | 80.846 | 0.13128 | 0.00000 | 602892.1 | 483983.5 | 0.0 | S |
| 207.567 | 0.0000 | 0.0000 | 80.846 | 0.13127 | 0.00000 | 602892.1 | 483987.5 | 0.0 | S |
| 207.575 | 0.0000 | 0.0000 | 80.846 | 0.13127 | 0.00000 | 602892.1 | 483991.4 | 0.0 | S |
| 207.583 | 0.0000 | 0.0000 | 80.846 | 0.13126 | 0.00000 | 602892.1 | 483995.3 | 0.0 | S |
| 207.592 | 0.0000 | 0.0000 | 80.846 | 0.13126 | 0.00000 | 602892.1 | 483999.3 | 0.0 | S |
| 207.600 | 0.0000 | 0.0000 | 80.846 | 0.13125 | 0.00000 | 602892.1 | 484003.2 | 0.0 | S |
| 207.608 | 0.0000 | 0.0000 | 80.846 | 0.13125 | 0.00000 | 602892.1 | 484007.2 | 0.0 | S |
| 207.617 | 0.0000 | 0.0000 | 80.846 | 0.13124 | 0.00000 | 602892.1 | 484011.1 | 0.0 | S |
| 207.625 | 0.0000 | 0.0000 | 80.846 | 0.13123 | 0.00000 | 602892.1 | 484015.0 | 0.0 | S |
| 207.633 | 0.0000 | 0.0000 | 80.846 | 0.13123 | 0.00000 | 602892.1 | 484019.0 | 0.0 | S |
| 207.642 | 0.0000 | 0.0000 | 80.846 | 0.13122 | 0.00000 | 602892.1 | 484022.9 | 0.0 | S |
| 207.650 | 0.0000 | 0.0000 | 80.846 | 0.13122 | 0.00000 | 602892.1 | 484026.8 | 0.0 | S |
| 207.658 | 0.0000 | 0.0000 | 80.845 | 0.13121 | 0.00000 | 602892.1 | 484030.8 | 0.0 | S |
| 207.667 | 0.0000 | 0.0000 | 80.845 | 0.13120 | 0.00000 | 602892.1 | 484034.7 | 0.0 | S |
| 207.675 | 0.0000 | 0.0000 | 80.845 | 0.13120 | 0.00000 | 602892.1 | 484038.7 | 0.0 | S |
| 207.683 | 0.0000 | 0.0000 | 80.845 | 0.13119 | 0.00000 | 602892.1 | 484042.6 | 0.0 | S |
| 207.692 | 0.0000 | 0.0000 | 80.845 | 0.13119 | 0.00000 | 602892.1 | 484046.5 | 0.0 | S |
| 207.700 | 0.0000 | 0.0000 | 80.845 | 0.13118 | 0.00000 | 602892.1 | 484050.5 | 0.0 | S |
| 207.708 | 0.0000 | 0.0000 | 80.845 | 0.13118 | 0.00000 | 602892.1 | 484054.4 | 0.0 | S |
| 207.717 | 0.0000 | 0.0000 | 80.845 | 0.13117 | 0.00000 | 602892.1 | 484058.3 | 0.0 | S |
| 207.725 | 0.0000 | 0.0000 | 80.845 | 0.13116 | 0.00000 | 602892.1 | 484062.3 | 0.0 | S |
| 207.733 | 0.0000 | 0.0000 | 80.845 | 0.13116 | 0.00000 | 602892.1 | 484066.2 | 0.0 | S |
| 207.742 | 0.0000 | 0.0000 | 80.845 | 0.13115 | 0.00000 | 602892.1 | 484070.1 | 0.0 | S |
| 207.750 | 0.0000 | 0.0000 | 80.845 | 0.13115 | 0.00000 | 602892.1 | 484074.1 | 0.0 | S |
| 207.758 | 0.0000 | 0.0000 | 80.844 | 0.13114 | 0.00000 | 602892.1 | 484078.0 | 0.0 | S |
| 207.767 | 0.0000 | 0.0000 | 80.844 | 0.13114 | 0.00000 | 602892.1 | 484081.9 | 0.0 | S |
| 207.775 | 0.0000 | 0.0000 | 80.844 | 0.13113 | 0.00000 | 602892.1 | 484085.9 | 0.0 | S |
| 207.783 | 0.0000 | 0.0000 | 80.844 | 0.13112 | 0.00000 | 602892.1 | 484089.8 | 0.0 | S |
| 207.792 | 0.0000 | 0.0000 | 80.844 | 0.13112 | 0.00000 | 602892.1 | 484093.8 | 0.0 | S |
| 207.800 | 0.0000 | 0.0000 | 80.844 | 0.13111 | 0.00000 | 602892.1 | 484097.7 | 0.0 | S |
| 207.808 | 0.0000 | 0.0000 | 80.844 | 0.13111 | 0.00000 | 602892.1 | 484101.6 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario $1::$ pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume $\left(\mathrm{f}^{3}\right)$ | $\begin{aligned} & \text { Flow } \\ & \text { Type } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 207.817 | 0.0000 | 0.0000 | 80.844 | 0.13110 | 0.00000 | 602892.1 | 484105.5 | 0.0 | S |
| 207.825 | 0.0000 | 0.0000 | 80.844 | 0.13110 | 0.00000 | 602892.1 | 484109.5 | 0.0 | S |
| 207.833 | 0.0000 | 0.0000 | 80.844 | 0.13109 | 0.00000 | 602892.1 | 484113.4 | 0.0 | S |
| 207.842 | 0.0000 | 0.0000 | 80.844 | 0.13108 | 0.00000 | 602892.1 | 484117.3 | 0.0 | S |
| 207.850 | 0.0000 | 0.0000 | 80.844 | 0.13108 | 0.00000 | 602892.1 | 484121.3 | 0.0 | S |
| 207.858 | 0.0000 | 0.0000 | 80.844 | 0.13107 | 0.00000 | 602892.1 | 484125.2 | 0.0 | S |
| 207.867 | 0.0000 | 0.0000 | 80.843 | 0.13107 | 0.00000 | 602892.1 | 484129.1 | 0.0 | S |
| 207.875 | 0.0000 | 0.0000 | 80.843 | 0.13106 | 0.00000 | 602892.1 | 484133.1 | 0.0 | S |
| 207.883 | 0.0000 | 0.0000 | 80.843 | 0.13105 | 0.00000 | 602892.1 | 484137.0 | 0.0 | S |
| 207.892 | 0.0000 | 0.0000 | 80.843 | 0.13105 | 0.00000 | 602892.1 | 484140.9 | 0.0 | S |
| 207.900 | 0.0000 | 0.0000 | 80.843 | 0.13104 | 0.00000 | 602892.1 | 484144.8 | 0.0 | S |
| 207.908 | 0.0000 | 0.0000 | 80.843 | 0.13104 | 0.00000 | 602892.1 | 484148.8 | 0.0 | S |
| 207.917 | 0.0000 | 0.0000 | 80.843 | 0.13103 | 0.00000 | 602892.1 | 484152.7 | 0.0 | S |
| 207.925 | 0.0000 | 0.0000 | 80.843 | 0.13103 | 0.00000 | 602892.1 | 484156.7 | 0.0 | S |
| 207.933 | 0.0000 | 0.0000 | 80.843 | 0.13102 | 0.00000 | 602892.1 | 484160.6 | 0.0 | S |
| 207.942 | 0.0000 | 0.0000 | 80.843 | 0.13101 | 0.00000 | 602892.1 | 484164.5 | 0.0 | S |
| 207.950 | 0.0000 | 0.0000 | 80.843 | 0.13101 | 0.00000 | 602892.1 | 484168.4 | 0.0 | S |
| 207.958 | 0.0000 | 0.0000 | 80.843 | 0.13100 | 0.00000 | 602892.1 | 484172.4 | 0.0 | S |
| 207.967 | 0.0000 | 0.0000 | 80.843 | 0.13100 | 0.00000 | 602892.1 | 484176.3 | 0.0 | S |
| 207.975 | 0.0000 | 0.0000 | 80.842 | 0.13099 | 0.00000 | 602892.1 | 484180.2 | 0.0 | S |
| 207.983 | 0.0000 | 0.0000 | 80.842 | 0.13099 | 0.00000 | 602892.1 | 484184.2 | 0.0 | S |
| 207.992 | 0.0000 | 0.0000 | 80.842 | 0.13098 | 0.00000 | 602892.1 | 484188.1 | 0.0 | S |
| 208.000 | 0.0000 | 0.0000 | 80.842 | 0.13097 | 0.00000 | 602892.1 | 484192.0 | 0.0 | S |
| 208.008 | 0.0000 | 0.0000 | 80.842 | 0.13097 | 0.00000 | 602892.1 | 484195.9 | 0.0 | S |
| 208.017 | 0.0000 | 0.0000 | 80.842 | 0.13096 | 0.00000 | 602892.1 | 484199.9 | 0.0 | S |
| 208.025 | 0.0000 | 0.0000 | 80.842 | 0.13096 | 0.00000 | 602892.1 | 484203.8 | 0.0 | S |
| 208.033 | 0.0000 | 0.0000 | 80.842 | 0.13095 | 0.00000 | 602892.1 | 484207.8 | 0.0 | S |
| 208.042 | 0.0000 | 0.0000 | 80.842 | 0.13094 | 0.00000 | 602892.1 | 484211.7 | 0.0 | S |
| 208.050 | 0.0000 | 0.0000 | 80.842 | 0.13094 | 0.00000 | 602892.1 | 484215.6 | 0.0 | S |
| 208.058 | 0.0000 | 0.0000 | 80.842 | 0.13093 | 0.00000 | 602892.1 | 484219.5 | 0.0 | S |
| 208.067 | 0.0000 | 0.0000 | 80.842 | 0.13093 | 0.00000 | 602892.1 | 484223.4 | 0.0 | S |
| 208.075 | 0.0000 | 0.0000 | 80.842 | 0.13092 | 0.00000 | 602892.1 | 484227.4 | 0.0 | S |
| 208.083 | 0.0000 | 0.0000 | 80.841 | 0.13092 | 0.00000 | 602892.1 | 484231.3 | 0.0 | S |
| 208.092 | 0.0000 | 0.0000 | 80.841 | 0.13091 | 0.00000 | 602892.1 | 484235.2 | 0.0 | S |
| 208.100 | 0.0000 | 0.0000 | 80.841 | 0.13090 | 0.00000 | 602892.1 | 484239.2 | 0.0 | S |
| 208.108 | 0.0000 | 0.0000 | 80.841 | 0.13090 | 0.00000 | 602892.1 | 484243.1 | 0.0 | S |
| 208.117 | 0.0000 | 0.0000 | 80.841 | 0.13089 | 0.00000 | 602892.1 | 484247.0 | 0.0 | S |
| 208.125 | 0.0000 | 0.0000 | 80.841 | 0.13089 | 0.00000 | 602892.1 | 484250.9 | 0.0 | S |
| 208.133 | 0.0000 | 0.0000 | 80.841 | 0.13088 | 0.00000 | 602892.1 | 484254.9 | 0.0 | S |
| 208.142 | 0.0000 | 0.0000 | 80.841 | 0.13088 | 0.00000 | 602892.1 | 484258.8 | 0.0 | S |
| 208.150 | 0.0000 | 0.0000 | 80.841 | 0.13087 | 0.00000 | 602892.1 | 484262.7 | 0.0 | S |
| 208.158 | 0.0000 | 0.0000 | 80.841 | 0.13086 | 0.00000 | 602892.1 | 484266.7 | 0.0 | S |
| 208.167 | 0.0000 | 0.0000 | 80.841 | 0.13086 | 0.00000 | 602892.1 | 484270.6 | 0.0 | S |
| 208.175 | 0.0000 | 0.0000 | 80.841 | 0.13085 | 0.00000 | 602892.1 | 484274.5 | 0.0 | S |
| 208.183 | 0.0000 | 0.0000 | 80.841 | 0.13085 | 0.00000 | 602892.1 | 484278.4 | 0.0 | S |
| 208.192 | 0.0000 | 0.0000 | 80.840 | 0.13084 | 0.00000 | 602892.1 | 484282.3 | 0.0 | S |
| 208.200 | 0.0000 | 0.0000 | 80.840 | 0.13084 | 0.00000 | 602892.1 | 484286.3 | 0.0 | S |
| 208.208 | 0.0000 | 0.0000 | 80.840 | 0.13083 | 0.00000 | 602892.1 | 484290.2 | 0.0 | S |
| 208.217 | 0.0000 | 0.0000 | 80.840 | 0.13082 | 0.00000 | 602892.1 | 484294.1 | 0.0 | S |
| 208.225 | 0.0000 | 0.0000 | 80.840 | 0.13082 | 0.00000 | 602892.1 | 484298.0 | 0.0 | S |
| 208.233 | 0.0000 | 0.0000 | 80.840 | 0.13081 | 0.00000 | 602892.1 | 484302.0 | 0.0 | S |
| 208.242 | 0.0000 | 0.0000 | 80.840 | 0.13081 | 0.00000 | 602892.1 | 484305.9 | 0.0 | S |
| 208.250 | 0.0000 | 0.0000 | 80.840 | 0.13080 | 0.00000 | 602892.1 | 484309.8 | 0.0 | S |
| 208.258 | 0.0000 | 0.0000 | 80.840 | 0.13080 | 0.00000 | 602892.1 | 484313.8 | 0.0 | S |
| 208.267 | 0.0000 | 0.0000 | 80.840 | 0.13079 | 0.00000 | 602892.1 | 484317.7 | 0.0 | S |
| 208.275 | 0.0000 | 0.0000 | 80.840 | 0.13078 | 0.00000 | 602892.1 | 484321.6 | 0.0 | S |
| 208.283 | 0.0000 | 0.0000 | 80.840 | 0.13078 | 0.00000 | 602892.1 | 484325.5 | 0.0 | S |
| 208.292 | 0.0000 | 0.0000 | 80.839 | 0.13077 | 0.00000 | 602892.1 | 484329.4 | 0.0 | S |
| 208.300 | 0.0000 | 0.0000 | 80.839 | 0.13077 | 0.00000 | 602892.1 | 484333.4 | 0.0 | S |
| 208.308 | 0.0000 | 0.0000 | 80.839 | 0.13076 | 0.00000 | 602892.1 | 484337.3 | 0.0 | S |
| 208.317 | 0.0000 | 0.0000 | 80.839 | 0.13075 | 0.00000 | 602892.1 | 484341.2 | 0.0 | S |
| 208.325 | 0.0000 | 0.0000 | 80.839 | 0.13075 | 0.00000 | 602892.1 | 484345.1 | 0.0 | S |
| 208.333 | 0.0000 | 0.0000 | 80.839 | 0.13074 | 0.00000 | 602892.1 | 484349.1 | 0.0 | S |
| 208.342 | 0.0000 | 0.0000 | 80.839 | 0.13074 | 0.00000 | 602892.1 | 484353.0 | 0.0 | S |
| 208.350 | 0.0000 | 0.0000 | 80.839 | 0.13073 | 0.00000 | 602892.1 | 484356.9 | 0.0 | S |
| 208.358 | 0.0000 | 0.0000 | 80.839 | 0.13073 | 0.00000 | 602892.1 | 484360.8 | 0.0 | S |
| 208.367 | 0.0000 | 0.0000 | 80.839 | 0.13072 | 0.00000 | 602892.1 | 484364.8 | 0.0 | S |
| 208.375 | 0.0000 | 0.0000 | 80.839 | 0.13071 | 0.00000 | 602892.1 | 484368.7 | 0.0 | S |
| 208.383 | 0.0000 | 0.0000 | 80.839 | 0.13071 | 0.00000 | 602892.1 | 484372.6 | 0.0 | S |
| 208.392 | 0.0000 | 0.0000 | 80.839 | 0.13070 | 0.00000 | 602892.1 | 484376.5 | 0.0 | S |
| 208.400 | 0.0000 | 0.0000 | 80.838 | 0.13070 | 0.00000 | 602892.1 | 484380.4 | 0.0 | S |
| 208.408 | 0.0000 | 0.0000 | 80.838 | 0.13069 | 0.00000 | 602892.1 | 484384.3 | 0.0 | S |
| 208.417 | 0.0000 | 0.0000 | 80.838 | 0.13069 | 0.00000 | 602892.1 | 484388.3 | 0.0 | S |
| 208.425 | 0.0000 | 0.0000 | 80.838 | 0.13068 | 0.00000 | 602892.1 | 484392.2 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative unflow Vofume ( $\mathrm{tt}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 208.433 | 0.0000 | 0.0000 | 80.838 | 0.13067 | 0.00000 | 602892.1 | 484396.1 | 0.0 | S |
| 208.442 | 0.0000 | 0.0000 | 80.838 | 0.13067 | 0.00000 | 602892.1 | 484400.0 | 0.0 | S |
| 208.450 | 0.0000 | 0.0000 | 80.838 | 0.13066 | 0.00000 | 602892.1 | 484403.9 | 0.0 | S |
| 208.458 | 0.0000 | 0.0000 | 80.838 | 0.13066 | 0.00000 | 602892.1 | 484407.9 | 0.0 | S |
| 208.467 | 0.0000 | 0.0000 | 80.838 | 0.13065 | 0.00000 | 602892.1 | 484411.8 | 0.0 | S |
| 208.475 | 0.0000 | 0.0000 | 80.838 | 0.13065 | 0.00000 | 602892.1 | 484415.7 | 0.0 | S |
| 208.483 | 0.0000 | 0.0000 | 80.838 | 0.13064 | 0.00000 | 602892.1 | 484419.6 | 0.0 | S |
| 208.492 | 0.0000 | 0.0000 | 80.838 | 0.13063 | 0.00000 | 602892.1 | 484423.5 | 0.0 | S |
| 208.500 | 0.0000 | 0.0000 | 80.838 | 0.13063 | 0.00000 | 602892.1 | 484427.5 | 0.0 | S |
| 208.508 | 0.0000 | 0.0000 | 80.837 | 0.13062 | 0.00000 | 602892.1 | 484431.4 | 0.0 | S |
| 208.517 | 0.0000 | 0.0000 | 80.837 | 0.13062 | 0.00000 | 602892.1 | 484435.3 | 0.0 | S |
| 208.525 | 0.0000 | 0.0000 | 80.837 | 0.13061 | 0.00000 | 602892.1 | 484439.2 | 0.0 | S |
| 208.533 | 0.0000 | 0.0000 | 80.837 | 0.13061 | 0.00000 | 602892.1 | 484443.1 | 0.0 | S |
| 208.542 | 0.0000 | 0.0000 | 80.837 | 0.13060 | 0.00000 | 602892.1 | 484447.1 | 0.0 | S |
| 208.550 | 0.0000 | 0.0000 | 80.837 | 0.13059 | 0.00000 | 602892.1 | 484451.0 | 0.0 | S |
| 208.558 | 0.0000 | 0.0000 | 80.837 | 0.13059 | 0.00000 | 602892.1 | 484454.9 | 0.0 | S |
| 208.567 | 0.0000 | 0.0000 | 80.837 | 0.13058 | 0.00000 | 602892.1 | 484458.8 | 0.0 | S |
| 208.575 | 0.0000 | 0.0000 | 80.837 | 0.13058 | 0.00000 | 602892.1 | 484462.7 | 0.0 | S |
| 208.583 | 0.0000 | 0.0000 | 80.837 | 0.13057 | 0.00000 | 602892.1 | 484466.7 | 0.0 | S |
| 208.592 | 0.0000 | 0.0000 | 80.837 | 0.13057 | 0.00000 | 602892.1 | 484470.6 | 0.0 | S |
| 208.600 | 0.0000 | 0.0000 | 80.837 | 0.13056 | 0.00000 | 602892.1 | 484474.5 | 0.0 | S |
| 208.608 | 0.0000 | 0.0000 | 80.837 | 0.13055 | 0.00000 | 602892.1 | 484478.4 | 0.0 | S |
| 208.617 | 0.0000 | 0.0000 | 80.836 | 0.13055 | 0.00000 | 602892.1 | 484482.3 | 0.0 | S |
| 208.625 | 0.0000 | 0.0000 | 80.836 | 0.13054 | 0.00000 | 602892.1 | 484486.2 | 0.0 | S |
| 208.633 | 0.0000 | 0.0000 | 80.836 | 0.13054 | 0.00000 | 602892.1 | 484490.2 | 0.0 | S |
| 208.642 | 0.0000 | 0.0000 | 80.836 | 0.13053 | 0.00000 | 602892.1 | 484494.1 | 0.0 | S |
| 208.650 | 0.0000 | 0.0000 | 80.836 | 0.13053 | 0.00000 | 602892.1 | 484498.0 | 0.0 | S |
| 208.658 | 0.0000 | 0.0000 | 80.836 | 0.13052 | 0.00000 | 602892.1 | 484501.9 | 0.0 | S |
| 208.667 | 0.0000 | 0.0000 | 80.836 | 0.13051 | 0.00000 | 602892.1 | 484505.8 | 0.0 | S |
| 208.675 | 0.0000 | 0.0000 | 80.836 | 0.13051 | 0.00000 | 602892.1 | 484509.7 | 0.0 | S |
| 208.683 | 0.0000 | 0.0000 | 80.836 | 0.13050 | 0.00000 | 602892.1 | 484513.6 | 0.0 | S |
| 208.692 | 0.0000 | 0.0000 | 80.836 | 0.13050 | 0.00000 | 602892.1 | 484517.6 | 0.0 | S |
| 208.700 | 0.0000 | 0.0000 | 80.836 | 0.13049 | 0.00000 | 602892.1 | 484521.5 | 0.0 | S |
| 208.708 | 0.0000 | 0.0000 | 80.836 | 0.13049 | 0.00000 | 602892.1 | 484525.4 | 0.0 | S |
| 208.717 | 0.0000 | 0.0000 | 80.836 | 0.13048 | 0.00000 | 602892.1 | 484529.3 | 0.0 | S |
| 208.725 | 0.0000 | 0.0000 | 80.835 | 0.13047 | 0.00000 | 602892.1 | 484533.2 | 0.0 | S |
| 208.733 | 0.0000 | 0.0000 | 80.835 | 0.13047 | 0.00000 | 602892.1 | 484537.1 | 0.0 | S |
| 208.742 | 0.0000 | 0.0000 | 80.835 | 0.13046 | 0.00000 | 602892.1 | 484541.0 | 0.0 | S |
| 208.750 | 0.0000 | 0.0000 | 80.835 | 0.13046 | 0.00000 | 602892.1 | 484544.9 | 0.0 | S |
| 208.758 | 0.0000 | 0.0000 | 80.835 | 0.13045 | 0.00000 | 602892.1 | 484548.9 | 0.0 | S |
| 208.767 | 0.0000 | 0.0000 | 80.835 | 0.13044 | 0.00000 | 602892.1 | 484552.8 | 0.0 | S |
| 208.775 | 0.0000 | 0.0000 | 80.835 | 0.13044 | 0.00000 | 602892.1 | 484556.7 | 0.0 | S |
| 208.783 | 0.0000 | 0.0000 | 80.835 | 0.13043 | 0.00000 | 602892.1 | 484560.6 | 0.0 | S |
| 208.792 | 0.0000 | 0.0000 | 80.835 | 0.13043 | 0.00000 | 602892.1 | 484564.5 | 0.0 | S |
| 208.800 | 0.0000 | 0.0000 | 80.835 | 0.13042 | 0.00000 | 602892.1 | 484568.4 | 0.0 | S |
| 208.808 | 0.0000 | 0.0000 | 80.835 | 0.13042 | 0.00000 | 602892.1 | 484572.3 | 0.0 | S |
| 208.817 | 0.0000 | 0.0000 | 80.835 | 0.13041 | 0.00000 | 602892.1 | 484576.3 | 0.0 | S |
| 208.825 | 0.0000 | 0.0000 | 80.835 | 0.13040 | 0.00000 | 602892.1 | 484580.2 | 0.0 | S |
| 208.833 | 0.0000 | 0.0000 | 80.834 | 0.13040 | 0.00000 | 602892.1 | 484584.1 | 0.0 | S |
| 208.842 | 0.0000 | 0.0000 | 80.834 | 0.13039 | 0.00000 | 602892.1 | 484588.0 | 0.0 | S |
| 208.850 | 0.0000 | 0.0000 | 80.834 | 0.13039 | 0.00000 | 602892.1 | 484591.9 | 0.0 | S |
| 208.858 | 0.0000 | 0.0000 | 80.834 | 0.13038 | 0.00000 | 602892.1 | 484595.8 | 0.0 | S |
| 208.867 | 0.0000 | 0.0000 | 80.834 | 0.13038 | 0.00000 | 602892.1 | 484599.7 | 0.0 | S |
| 208.875 | 0.0000 | 0.0000 | 80.834 | 0.13037 | 0.00000 | 602892.1 | 484603.6 | 0.0 | S |
| 208.883 | 0.0000 | 0.0000 | 80.834 | 0.13036 | 0.00000 | 602892.1 | 484607.6 | 0.0 | S |
| 208.892 | 0.0000 | 0.0000 | 80.834 | 0.13036 | 0.00000 | 602892.1 | 484611.5 | 0.0 | S |
| 208.900 | 0.0000 | 0.0000 | 80.834 | 0.13035 | 0.00000 | 602892.1 | 484615.4 | 0.0 | S |
| 208.908 | 0.0000 | 0.0000 | 80.834 | 0.13035 | 0.00000 | 602892.1 | 484619.3 | 0.0 | S |
| 208.917 | 0.0000 | 0.0000 | 80.834 | 0.13034 | 0.00000 | 602892.1 | 484623.2 | 0.0 | S |
| 208.925 | 0.0000 | 0.0000 | 80.834 | 0.13034 | 0.00000 | 602892.1 | 484627.1 | 0.0 | S |
| 208.933 | 0.0000 | 0.0000 | 80.834 | 0.13033 | 0.00000 | 602892.1 | 484631.0 | 0.0 | S |
| 208.942 | 0.0000 | 0.0000 | 80.833 | 0.13032 | 0.00000 | 602892.1 | 484634.9 | 0.0 | S |
| 208.950 | 0.0000 | 0.0000 | 80.833 | 0.13032 | 0.00000 | 602892.1 | 484638.8 | 0.0 | S |
| 208.958 | 0.0000 | 0.0000 | 80.833 | 0.13031 | 0.00000 | 602892.1 | 484642.8 | 0.0 | S |
| 208.967 | 0.0000 | 0.0000 | 80.833 | 0.13031 | 0.00000 | 602892.1 | 484646.7 | 0.0 | S |
| 208.975 | 0.0000 | 0.0000 | 80.833 | 0.13030 | 0.00000 | 602892.1 | 484650.6 | 0.0 | S |
| 208.983 | 0.0000 | 0.0000 | 80.833 | 0.13030 | 0.00000 | 602892.1 | 484654.5 | 0.0 | S |
| 208.992 | 0.0000 | 0.0000 | 80.833 | 0.13029 | 0.00000 | 602892.1 | 484658.4 | 0.0 | S |
| 209.000 | 0.0000 | 0.0000 | 80.833 | 0.13028 | 0.00000 | 602892.1 | 484662.3 | 0.0 | S |
| 209.008 | 0.0000 | 0.0000 | 80.833 | 0.13028 | 0.00000 | 602892.1 | 484666.2 | 0.0 | S |
| 209.017 | 0.0000 | 0.0000 | 80.833 | 0.13027 | 0.00000 | 602892.1 | 484670.1 | 0.0 | S |
| 209.025 | 0.0000 | 0.0000 | 80.833 | 0.13027 | 0.00000 | 602892.1 | 484674.0 | 0.0 | S |
| 209.033 | 0.0000 | 0.0000 | 80.833 | 0.13026 | 0.00000 | 602892.1 | 484677.9 | 0.0 | S |
| 209.042 | 0.0000 | 0.0000 | 80.832 | 0.13026 | 0.00000 | 602892.1 | 484681.8 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year/24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (fl/day) | Stage Elevation ( 1 datum) | Infiltration Rate ( $\mathrm{ft}^{3 / 3}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / 5}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | $\begin{aligned} & \text { Flow } \\ & \text { Type } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 209.050 | 0.0000 | 0.0000 | 80.832 | 0.13025 | 0.00000 | 602892.1 | 484685.7 | 0.0 | S |
| 209.058 | 0.0000 | 0.0000 | 80.832 | 0.13024 | 0.00000 | 602892.1 | 484689.6 | 0.0 | S |
| 209.067 | 0.0000 | 0.0000 | 80.832 | 0.13024 | 0.00000 | 602892.1 | 484693.5 | 0.0 | S |
| 209.075 | 0.0000 | 0.0000 | 80.832 | 0.13023 | 0.00000 | 602892.1 | 484697.5 | 0.0 | S |
| 209.083 | 0.0000 | 0.0000 | 80.832 | 0.13023 | 0.00000 | 602892.1 | 484701.4 | 0.0 | S |
| 209.092 | 0.0000 | 0.0000 | 80.832 | 0.13022 | 0.00000 | 602892.1 | 484705.3 | 0.0 | S |
| 209.100 | 0.0000 | 0.0000 | 80.832 | 0.13022 | 0.00000 | 602892.1 | 484709.2 | 0.0 | S |
| 209.108 | 0.0000 | 0.0000 | 80.832 | 0.13021 | 0.00000 | 602892.1 | 484713.1 | 0.0 | S |
| 209.117 | 0.0000 | 0.0000 | 80.832 | 0.13020 | 0.00000 | 602892.1 | 484717.0 | 0.0 | S |
| 209.125 | 0.0000 | 0.0000 | 80.832 | 0.13020 | 0.00000 | 602892.1 | 484720.9 | 0.0 | S |
| 209.133 | 0.0000 | 0.0000 | 80.832 | 0.13019 | 0.00000 | 602892.1 | 484724.8 | 0.0 | S |
| 209.142 | 0.0000 | 0.0000 | 80.832 | 0.13019 | 0.00000 | 602892.1 | 484728.7 | 0.0 | S |
| 209.150 | 0.0000 | 0.0000 | 80.831 | 0.13018 | 0.00000 | 602892.1 | 484732.6 | 0.0 | S |
| 209.158 | 0.0000 | 0.0000 | 80.831 | 0.13018 | 0.00000 | 602892.1 | 484736.5 | 0.0 | S |
| 209.167 | 0.0000 | 0.0000 | 80.831 | 0.13017 | 0.00000 | 602892.1 | 484740.4 | 0.0 | S |
| 209.175 | 0.0000 | 0.0000 | 80.831 | 0.13016 | 0.00000 | 602892.1 | 484744.3 | 0.0 | S |
| 209.183 | 0.0000 | 0.0000 | 80.831 | 0.13016 | 0.00000 | 602892.1 | 484748.2 | 0.0 | S |
| 209.192 | 0.0000 | 0.0000 | 80.831 | 0.13015 | 0.00000 | 602892.1 | 484752.1 | 0.0 | S |
| 209.200 | 0.0000 | 0.0000 | 80.831 | 0.13015 | 0.00000 | 602892.1 | 484756.0 | 0.0 | S |
| 209.208 | 0.0000 | 0.0000 | 80.831 | 0.13014 | 0.00000 | 602892.1 | 484759.9 | 0.0 | S |
| 209.217 | 0.0000 | 0.0000 | 80.831 | 0.13014 | 0.00000 | 602892.1 | 484763.8 | 0.0 | S |
| 209.225 | 0.0000 | 0.0000 | 80.831 | 0.13013 | 0.00000 | 602892.1 | 484767.8 | 0.0 | S |
| 209.233 | 0.0000 | 0.0000 | 80.831 | 0.13012 | 0.00000 | 602892.1 | 484771.7 | 0.0 | S |
| 209.242 | 0.0000 | 0.0000 | 80.831 | 0.13012 | 0.00000 | 602892.1 | 484775.6 | 0.0 | S |
| 209.250 | 0.0000 | 0.0000 | 80.831 | 0.13011 | 0.00000 | 602892.1 | 484779.5 | 0.0 | S |
| 209.258 | 0.0000 | 0.0000 | 80.830 | 0.13011 | 0.00000 | 602892.1 | 484783.4 | 0.0 | S |
| 209.267 | 0.0000 | 0.0000 | 80.830 | 0.13010 | 0.00000 | 602892.1 | 484787.3 | 0.0 | S |
| 209.275 | 0.0000 | 0.0000 | 80.830 | 0.13010 | 0.00000 | 602892.1 | 484791.2 | 0.0 | S |
| 209.283 | 0.0000 | 0.0000 | 80.830 | 0.13009 | 0.00000 | 602892.1 | 484795.1 | 0.0 | S |
| 209.292 | 0.0000 | 0.0000 | 80.830 | 0.13008 | 0.00000 | 602892.1 | 484799.0 | 0.0 | S |
| 209.300 | 0.0000 | 0.0000 | 80.830 | 0.13008 | 0.00000 | 602892.1 | 484802.9 | 0.0 | S |
| 209.308 | 0.0000 | 0.0000 | 80.830 | 0.13007 | 0.00000 | 602892.1 | 484806.8 | 0.0 | S |
| 209.317 | 0.0000 | 0.0000 | 80.830 | 0.13007 | 0.00000 | 602892.1 | 484810.7 | 0.0 | S |
| 209.325 | 0.0000 | 0.0000 | 80.830 | 0.13006 | 0.00000 | 602892.1 | 484814.6 | 0.0 | S |
| 209.333 | 0.0000 | 0.0000 | 80.830 | 0.13006 | 0.00000 | 602892.1 | 484818.5 | 0.0 | S |
| 209.342 | 0.0000 | 0.0000 | 80.830 | 0.13005 | 0.00000 | 602892.1 | 484822.4 | 0.0 | S |
| 209.350 | 0.0000 | 0.0000 | 80.830 | 0.13004 | 0.00000 | 602892.1 | 484826.3 | 0.0 | S |
| 209.358 | 0.0000 | 0.0000 | 80.830 | 0.13004 | 0.00000 | 602892.1 | 484830.2 | 0.0 | S |
| 209.367 | 0.0000 | 0.0000 | 80.829 | 0.13003 | 0.00000 | 602892.1 | 484834.1 | 0.0 | S |
| 209.375 | 0.0000 | 0.0000 | 80.829 | 0.13003 | 0.00000 | 602892.1 | 484838.0 | 0.0 | S |
| 209.383 | 0.0000 | 0.0000 | 80.829 | 0.13002 | 0.00000 | 602892.1 | 484841.9 | 0.0 | S |
| 209.392 | 0.0000 | 0.0000 | 80.829 | 0.13002 | 0.00000 | 602892.1 | 484845.8 | 0.0 | S |
| 209.400 | 0.0000 | 0.0000 | 80.829 | 0.13001 | 0.00000 | 602892.1 | 484849.7 | 0.0 | S |
| 209.408 | 0.0000 | 0.0000 | 80.829 | 0.13001 | 0.00000 | 602892.1 | 484853.6 | 0.0 | S |
| 209.417 | 0.0000 | 0.0000 | 80.829 | 0.13000 | 0.00000 | 602892.1 | 484857.5 | 0.0 | S |
| 209.425 | 0.0000 | 0.0000 | 80.829 | 0.12999 | 0.00000 | 602892.1 | 484861.4 | 0.0 | S |
| 209.433 | 0.0000 | 0.0000 | 80.829 | 0.12999 | 0.00000 | 602892.1 | 484865.3 | 0.0 | S |
| 209.442 | 0.0000 | 0.0000 | 80.829 | 0.12998 | 0.00000 | 602892.1 | 484869.2 | 0.0 | S |
| 209.450 | 0.0000 | 0.0000 | 80.829 | 0.12998 | 0.00000 | 602892.1 | 484873.1 | 0.0 | S |
| 209.458 | 0.0000 | 0.0000 | 80.829 | 0.12997 | 0.00000 | 602892.1 | 484877.0 | 0.0 | S |
| 209.467 | 0.0000 | 0.0000 | 80.829 | 0.12997 | 0.00000 | 602892.1 | 484880.9 | 0.0 | S |
| 209.475 | 0.0000 | 0.0000 | 80.828 | 0.12996 | 0.00000 | 602892.1 | 484884.8 | 0.0 | S |
| 209.483 | 0.0000 | 0.0000 | 80.828 | 0.12995 | 0.00000 | 602892.1 | 484888.7 | 0.0 | S |
| 209.492 | 0.0000 | 0.0000 | 80.828 | 0.12995 | 0.00000 | 602892.1 | 484892.6 | 0.0 | S |
| 209.500 | 0.0000 | 0.0000 | 80.828 | 0.12994 | 0.00000 | 602892.1 | 484896.5 | 0.0 | S |
| 209.508 | 0.0000 | 0.0000 | 80.828 | 0.12994 | 0.00000 | 602892.1 | 484900.4 | 0.0 | S |
| 209.517 | 0.0000 | 0.0000 | 80.828 | 0.12993 | 0.00000 | 602892.1 | 484904.3 | 0.0 | S |
| 209.525 | 0.0000 | 0.0000 | 80.828 | 0.12993 | 0.00000 | 602892.1 | 484908.2 | 0.0 | S |
| 209.533 | 0.0000 | 0.0000 | 80.828 | 0.12992 | 0.00000 | 602892.1 | 484912.1 | 0.0 | S |
| 209.542 | 0.0000 | 0.0000 | 80.828 | 0.12991 | 0.00000 | 602892.1 | 484916.0 | 0.0 | S |
| 209.550 | 0.0000 | 0.0000 | 80.828 | 0.12991 | 0.00000 | 602892.1 | 484919.9 | 0.0 | S |
| 209.558 | 0.0000 | 0.0000 | 80.828 | 0.12990 | 0.00000 | 602892.1 | 484923.8 | 0.0 | S |
| 209.567 | 0.0000 | 0.0000 | 80.828 | 0.12990 | 0.00000 | 602892.1 | 484927.7 | 0.0 | S |
| 209.575 | 0.0000 | 0.0000 | 80.828 | 0.12989 | 0.00000 | 602892.1 | 484931.6 | 0.0 | S |
| 209.583 | 0.0000 | 0.0000 | 80.827 | 0.12989 | 0.00000 | 602892.1 | 484935.5 | 0.0 | S |
| 209.592 | 0.0000 | 0.0000 | 80.827 | 0.12988 | 0.00000 | 602892.1 | 484939.3 | 0.0 | S |
| 209.600 | 0.0000 | 0.0000 | 80.827 | 0.12987 | 0.00000 | 602892.1 | 484943.3 | 0.0 | S |
| 209.608 | 0.0000 | 0.0000 | 80.827 | 0.12987 | 0.00000 | 602892.1 | 484947.2 | 0.0 | S |
| 209.617 | 0.0000 | 0.0000 | 80.827 | 0.12986 | 0.00000 | 602892.1 | 484951.0 | 0.0 | S |
| 209.625 | 0.0000 | 0.0000 | 80.827 | 0.12986 | 0.00000 | 602892.1 | 484954.9 | 0.0 | S |
| 209.633 | 0.0000 | 0.0000 | 80.827 | 0.12985 | 0.00000 | 602892.1 | 484958.8 | 0.0 | S |
| 209.642 | 0.0000 | 0.0000 | 80.827 | 0.12985 | 0.00000 | 602892.1 | 484962.7 | 0.0 | S |
| 209.650 | 0.0000 | 0.0000 | 80.827 | 0.12984 | 0.00000 | 602892.1 | 484966.6 | 0.0 | S |
| 209.658 | 0.0000 | 0.0000 | 80.827 | 0.12983 | 0.00000 | 602892.1 | 484970.5 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3 / 3} \mathrm{~s}$ ) | Outside Recharge (f/day) | Stage Elevation ( f datum) | Infiltration Rate ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{f}^{3} / \mathrm{S}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume (fis) | Cumulative Discharge Volume ( $\mathrm{ff}^{3}$ ) | Flow |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 209.667 | 0.0000 | 0.0000 | 80.827 | 0.12983 | 0.00000 | 602892.1 | 484974.4 | 0.0 | S |
| 209.675 | 0.0000 | 0.0000 | 80.827 | 0.12982 | 0.00000 | 602892.1 | 484978.3 | 0.0 | S |
| 209.683 | 0.0000 | 0.0000 | 80.827 | 0.12982 | 0.00000 | 602892.1 | 484982.2 | 0.0 | S |
| 209.692 | 0.0000 | 0.0000 | 80.826 | 0.12981 | 0.00000 | 602892.1 | 484986.1 | 0.0 | S |
| 209.700 | 0.0000 | 0.0000 | 80.826 | 0.12981 | 0.00000 | 602892.1 | 484990.0 | 0.0 | S |
| 209.708 | 0.0000 | 0.0000 | 80.826 | 0.12980 | 0.00000 | 602892.1 | 484993.9 | 0.0 | S |
| 209.717 | 0.0000 | 0.0000 | 80.826 | 0.12979 | 0.00000 | 602892.1 | 484997.8 | 0.0 | S |
| 209.725 | 0.0000 | 0.0000 | 80.826 | 0.12979 | 0.00000 | 602892.1 | 485001.7 | 0.0 | S |
| 209.733 | 0.0000 | 0.0000 | 80.826 | 0.12978 | 0.00000 | 602892.1 | 485005.6 | 0.0 | S |
| 209.742 | 0.0000 | 0.0000 | 80.826 | 0.12978 | 0.00000 | 602892.1 | 485009.5 | 0.0 | S |
| 209.750 | 0.0000 | 0.0000 | 80.826 | 0.12977 | 0.00000 | 602892.1 | 485013.3 | 0.0 | S |
| 209.758 | 0.0000 | 0.0000 | 80.826 | 0.12977 | 0.00000 | 602892.1 | 485017.3 | 0.0 | S |
| 209.767 | 0.0000 | 0.0000 | 80.826 | 0.12976 | 0.00000 | 602892.1 | 485021.2 | 0.0 | S |
| 209.775 | 0.0000 | 0.0000 | 80.826 | 0.12975 | 0.00000 | 602892.1 | 485025.0 | 0.0 | S |
| 209.783 | 0.0000 | 0.0000 | 80.826 | 0.12975 | 0.00000 | 602892.1 | 485028.9 | 0.0 | S |
| 209.792 | 0.0000 | 0.0000 | 80.826 | 0.12974 | 0.00000 | 602892.1 | 485032.8 | 0.0 | S |
| 209.800 | 0.0000 | 0.0000 | 80.825 | 0.12974 | 0.00000 | 602892.1 | 485036.7 | 0.0 | S |
| 209.808 | 0.0000 | 0.0000 | 80.825 | 0.12973 | 0.00000 | 602892.1 | 485040.6 | 0.0 | S |
| 209.817 | 0.0000 | 0.0000 | 80.825 | 0.12973 | 0.00000 | 602892.1 | 485044.5 | 0.0 | S |
| 209.825 | 0.0000 | 0.0000 | 80.825 | 0.12972 | 0.00000 | 602892.1 | 485048.4 | 0.0 | S |
| 209.833 | 0.0000 | 0.0000 | 80.825 | 0.12972 | 0.00000 | 602892.1 | 485052.3 | 0.0 | S |
| 209.842 | 0.0000 | 0.0000 | 80.825 | 0.12971 | 0.00000 | 602892.1 | 485056.2 | 0.0 | S |
| 209.850 | 0.0000 | 0.0000 | 80.825 | 0.12970 | 0.00000 | 602892.1 | 485060.1 | 0.0 | S |
| 209.858 | 0.0000 | 0.0000 | 80.825 | 0.12970 | 0.00000 | 602892.1 | 485064.0 | 0.0 | S |
| 209.867 | 0.0000 | 0.0000 | 80.825 | 0.12969 | 0.00000 | 602892.1 | 485067.8 | 0.0 | S |
| 209.875 | 0.0000 | 0.0000 | 80.825 | 0.12969 | 0.00000 | 602892.1 | 485071.8 | 0.0 | S |
| 209.883 | 0.0000 | 0.0000 | 80.825 | 0.12968 | 0.00000 | 602892.1 | 485075.6 | 0.0 | S |
| 209.892 | 0.0000 | 0.0000 | 80.825 | 0.12968 | 0.00000 | 602892.1 | 485079.5 | 0.0 | S |
| 209.900 | 0.0000 | 0.0000 | 80.824 | 0.12967 | 0.00000 | 602892.1 | 485083.4 | 0.0 | S |
| 209.908 | 0.0000 | 0.0000 | 80.824 | 0.12966 | 0.00000 | 602892.1 | 485087.3 | 0.0 | S |
| 209.917 | 0.0000 | 0.0000 | 80.824 | 0.12966 | 0.00000 | 602892.1 | 485091.2 | 0.0 | S |
| 209.925 | 0.0000 | 0.0000 | 80.824 | 0.12965 | 0.00000 | 602892.1 | 485095.1 | 0.0 | S |
| 209.933 | 0.0000 | 0.0000 | 80.824 | 0.12965 | 0.00000 | 602892.1 | 485099.0 | 0.0 | S |
| 209.942 | 0.0000 | 0.0000 | 80.824 | 0.12964 | 0.00000 | 602892.1 | 485102.8 | 0.0 | S |
| 209.950 | 0.0000 | 0.0000 | 80.824 | 0.12964 | 0.00000 | 602892.1 | 485106.8 | 0.0 | S |
| 209.958 | 0.0000 | 0.0000 | 80.824 | 0.12963 | 0.00000 | 602892.1 | 485110.6 | 0.0 | S |
| 209.967 | 0.0000 | 0.0000 | 80.824 | 0.12962 | 0.00000 | 602892.1 | 485114.5 | 0.0 | S |
| 209.975 | 0.0000 | 0.0000 | 80.824 | 0.12962 | 0.00000 | 602892.1 | 485118.4 | 0.0 | S |
| 209.983 | 0.0000 | 0.0000 | 80.824 | 0.12961 | 0.00000 | 602892.4 | 485122.3 | 0.0 | S |
| 209.992 | 0.0000 | 0.0000 | 80.824 | 0.12961 | 0.00000 | 602892.1 | 485126.2 | 0.0 | S |
| 210.000 | 0.0000 | 0.0000 | 80.824 | 0.12960 | 0.00000 | 602892.1 | 485130.1 | 0.0 | S |
| 210.008 | 0.0000 | 0.0000 | 80.823 | 0.12960 | 0.00000 | 602892.1 | 485134.0 | 0.0 | S |
| 210.017 | 0.0000 | 0.0000 | 80.823 | 0.12959 | 0.00000 | 602892.1 | 485137.8 | 0.0 | S |
| 210.025 | 0.0000 | 0.0000 | 80.823 | 0.12958 | 0.00000 | 602892.1 | 485141.8 | 0.0 | S |
| 210.033 | 0.0000 | 0.0000 | 80.823 | 0.12958 | 0.00000 | 602892.1 | 485145.6 | 0.0 | S |
| 210.042 | 0.0000 | 0.0000 | 80.823 | 0.12957 | 0.00000 | 602892.1 | 485149.5 | 0.0 | S |
| 210.050 | 0.0000 | 0.0000 | 80.823 | 0.12957 | 0.00000 | 602892.1 | 485153.4 | 0.0 | S |
| 210.058 | 0.0000 | 0.0000 | 80.823 | 0.12956 | 0.00000 | 602892.1 | 485157.3 | 0.0 | S |
| 210.067 | 0.0000 | 0.0000 | 80.823 | 0.12956 | 0.00000 | 602892.1 | 485161.2 | 0.0 | S |
| 210.075 | 0.0000 | 0.0000 | 80.823 | 0.12955 | 0.00000 | 602892.1 | 485165.1 | 0.0 | S |
| 210.083 | 0.0000 | 0.0000 | 80.823 | 0.12955 | 0.00000 | 602892.1 | 485168.9 | 0.0 | S |
| 210.092 | 0.0000 | 0.0000 | 80.823 | 0.12954 | 0.00000 | 602892.1 | 485172.8 | 0.0 | S |
| 210.100 | 0.0000 | 0.0000 | 80.823 | 0.12953 | 0.00000 | 602892.1 | 485176.7 | 0.0 | S |
| 210.108 | 0.0000 | 0.0000 | 80.823 | 0.12953 | 0.00000 | 602892.1 | 485180.6 | 0.0 | S |
| 210.117 | 0.0000 | 0.0000 | 80.822 | 0.12952 | 0.00000 | 602892.1 | 485184.5 | 0.0 | S |
| 210.125 | 0.0000 | 0.0000 | 80.822 | 0.12952 | 0.00000 | 602892.1 | 485188.4 | 0.0 | S |
| 210.133 | 0.0000 | 0.0000 | 80.822 | 0.12951 | 0.00000 | 602892.1 | 485192.3 | 0.0 | S |
| 210.142 | 0.0000 | 0.0000 | 80.822 | 0.12951 | 0.00000 | 602892.1 | 485196.2 | 0.0 | S |
| 210.150 | 0.0000 | 0.0000 | 80.822 | 0.12950 | 0.00000 | 602892.1 | 485200.0 | 0.0 | S |
| 210.158 | 0.0000 | 0.0000 | 80.822 | 0.12949 | 0.00000 | 602892.1 | 485203.9 | 0.0 | S |
| 210.167 | 0.0000 | 0.0000 | 80.822 | 0.12949 | 0.00000 | 602892.1 | 485207.8 | 0.0 | S |
| 210.175 | 0.0000 | 0.0000 | 80.822 | 0.12948 | 0.00000 | 602892.1 | 485211.7 | 0.0 | S |
| 210.183 | 0.0000 | 0.0000 | 80.822 | 0.12948 | 0.00000 | 602892.1 | 485215.6 | 0.0 | S |
| 210.192 | 0.0000 | 0.0000 | 80.822 | 0.12947 | 0.00000 | 602892.1 | 485219.5 | 0.0 | S |
| 210.200 | 0.0000 | 0.0000 | 80.822 | 0.12947 | 0.00000 | 602892.1 | 485223.3 | 0.0 | S |
| 210.208 | 0.0000 | 0.0000 | 80.822 | 0.12946 | 0.00000 | 602892.1 | 485227.2 | 0.0 | S |
| 210.217 | 0.0000 | 0.0000 | 80.822 | 0.12945 | 0.00000 | 602892.1 | 485231.1 | 0.0 | S |
| 210.225 | 0.0000 | 0.0000 | 80.821 | 0.12945 | 0.00000 | 602892.1 | 485235.0 | 0.0 | S |
| 210.233 | 0.0000 | 0.0000 | 80.821 | 0.12944 | 0.00000 | 602892.1 | 485238.9 | 0.0 | S |
| 210.242 | 0.0000 | 0.0000 | 80.821 | 0.12944 | 0.00000 | 602892.1 | 485242.8 | 0.0 | S |
| 210.250 | 0.0000 | 0.0000 | 80.821 | 0.12943 | 0.00000 | 602892.1 | 485246.7 | 0.0 | S |
| 210.258 | 0.0000 | 0.0000 | 80.821 | 0.12943 | 0.00000 | 602892.1 | 485250.5 | 0.0 | S |
| 210.267 | 0.0000 | 0.0000 | 80.821 | 0.12942 | 0.00000 | 602892.1 | 485254.4 | 0.0 | S |
| 210.275 | 0.0000 | 0.0000 | 80.821 | 0.12941 | 0.00000 | 602892.1 | 485258.3 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 /} \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{H}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 210.283 | 0.0000 | 0.0000 | 80.821 | 0.12941 | 0.00000 | 602892.1 | 485262.2 | 0.0 | S |
| 210.292 | 0.0000 | 0.0000 | 80.821 | 0.12940 | 0.00000 | 602892.1 | 485266.1 | 0.0 | S |
| 210.300 | 0.0000 | 0.0000 | 80.821 | 0.12940 | 0.00000 | 602892.1 | 485269.9 | 0.0 | S |
| 210.308 | 0.0000 | 0.0000 | 80.821 | 0.12939 | 0.00000 | 602892.1 | 485273.8 | 0.0 | S |
| 210.317 | 0.0000 | 0.0000 | 80.821 | 0.12939 | 0.00000 | 602892.1 | 485277.7 | 0.0 | S |
| 210.325 | 0.0000 | 0.0000 | 80.821 | 0.12938 | 0.00000 | 602892.1 | 485281.6 | 0.0 | S |
| 210.333 | 0.0000 | 0.0000 | 80.820 | 0.12938 | 0.00000 | 602892.1 | 485285.5 | 0.0 | S |
| 210.342 | 0.0000 | 0.0000 | 80.820 | 0.12937 | 0.00000 | 602892.1 | 485289.3 | 0.0 | S |
| 210.350 | 0.0000 | 0.0000 | 80.820 | 0.12936 | 0.00000 | 602892.1 | 485293.2 | 0.0 | S |
| 210.358 | 0.0000 | 0.0000 | 80.820 | 0.12936 | 0.00000 | 602892.1 | 485297.1 | 0.0 | S |
| 210.367 | 0.0000 | 0.0000 | 80.820 | 0.12935 | 0.00000 | 602892.1 | 485301.0 | 0.0 | S |
| 210.375 | 0.0000 | 0.0000 | 80.820 | 0.12935 | 0.00000 | 602892.1 | 485304.9 | 0.0 | S |
| 210.383 | 0.0000 | 0.0000 | 80.820 | 0.12934 | 0.00000 | 602892.1 | 485308.8 | 0.0 | S |
| 210.392 | 0.0000 | 0.0000 | 80.820 | 0.12934 | 0.00000 | 602892.1 | 485312.6 | 0.0 | S |
| 210.400 | 0.0000 | 0.0000 | 80.820 | 0.12933 | 0.00000 | 602892.1 | 485316.5 | 0.0 | S |
| 210.408 | 0.0000 | 0.0000 | 80.820 | 0.12932 | 0.00000 | 602892.1 | 485320.4 | 0.0 | S |
| 210.417 | 0.0000 | 0.0000 | 80.820 | 0.12932 | 0.00000 | 602892.1 | 485324.3 | 0.0 | S |
| 210.425 | 0.0000 | 0.0000 | 80.820 | 0.12931 | 0.00000 | 602892.1 | 485328.2 | 0.0 | S |
| 210.433 | 0.0000 | 0.0000 | 80.820 | 0.12931 | 0.00000 | 602892.1 | 485332.0 | 0.0 | S |
| 210.442 | 0.0000 | 0.0000 | 80.819 | 0.12930 | 0.00000 | 602892.1 | 485335.9 | 0.0 | S |
| 210.450 | 0.0000 | 0.0000 | 80.819 | 0.12930 | 0.00000 | 602892.1 | 485339.8 | 0.0 | S |
| 210.458 | 0.0000 | 0.0000 | 80.819 | 0.12929 | 0.00000 | 602892.1 | 485343.7 | 0.0 | S |
| 210.467 | 0.0000 | 0.0000 | 80.819 | 0.12929 | 0.00000 | 602892.1 | 485347.5 | 0.0 | S |
| 210.475 | 0.0000 | 0.0000 | 80.819 | 0.12928 | 0.00000 | 602892.1 | 485351.4 | 0.0 | S |
| 210.483 | 0.0000 | 0.0000 | 80.819 | 0.12927 | 0.00000 | 602892.1 | 485355.3 | 0.0 | S |
| 210.492 | 0.0000 | 0.0000 | 80.819 | 0.12927 | 0.00000 | 602892.1 | 485359.2 | 0.0 | S |
| 210.500 | 0.0000 | 0.0000 | 80.819 | 0.12926 | 0.00000 | 602892.1 | 485363.1 | 0.0 | S |
| 210.508 | 0.0000 | 0.0000 | 80.819 | 0.12926 | 0.00000 | 602892.1 | 485366.9 | 0.0 | S |
| 210.517 | 0.0000 | 0.0000 | 80.819 | 0.12925 | 0.00000 | 602892.1 | 485370.8 | 0.0 | S |
| 210.525 | 0.0000 | 0.0000 | 80.819 | 0.12925 | 0.00000 | 602892.1 | 485374.7 | 0.0 | S |
| 210.533 | 0.0000 | 0.0000 | 80.819 | 0.12924 | 0.00000 | 602892.1 | 485378.6 | 0.0 | S |
| 210.542 | 0.0000 | 0.0000 | 80.819 | 0.12923 | 0.00000 | 602892.1 | 485382.4 | 0.0 | S |
| 210.550 | 0.0000 | 0.0000 | 80.818 | 0.12923 | 0.00000 | 602892.1 | 485386.3 | 0.0 | S |
| 210.558 | 0.0000 | 0.0000 | 80.818 | 0.12922 | 0.00000 | 602892.1 | 485390.2 | 0.0 | S |
| 210.567 | 0.0000 | 0.0000 | 80.818 | 0.12922 | 0.00000 | 602892.1 | 485394.1 | 0.0 | S |
| 210.575 | 0.0000 | 0.0000 | 80.818 | 0.12921 | 0.00000 | 602892.1 | 485397.9 | 0.0 | S |
| 210.583 | 0.0000 | 0.0000 | 80.818 | 0.12921 | 0.00000 | 602892.1 | 485401.8 | 0.0 | S |
| 210.592 | 0.0000 | 0.0000 | 80.818 | 0.12920 | 0.00000 | 602892.1 | 485405.7 | 0.0 | S |
| 210.600 | 0.0000 | 0.0000 | 80.818 | 0.12919 | 0.00000 | 602892.1 | 485409.6 | 0.0 | S |
| 210.608 | 0.0000 | 0.0000 | 80.818 | 0.12919 | 0.00000 | 602892.1 | 485413.4 | 0.0 | S |
| 210.617 | 0.0000 | 0.0000 | 80.818 | 0.12918 | 0.00000 | 602892.1 | 485417.3 | 0.0 | S |
| 210.625 | 0.0000 | 0.0000 | 80.818 | 0.12918 | 0.00000 | 602892.1 | 485421.2 | 0.0 | S |
| 210.633 | 0.0000 | 0.0000 | 80.818 | 0.12917 | 0.00000 | 602892.1 | 485425.1 | 0.0 | S |
| 210.642 | 0.0000 | 0.0000 | 80.818 | 0.12917 | 0.00000 | 602892.1 | 485429.0 | 0.0 | S |
| 210.650 | 0.0000 | 0.0000 | 80.818 | 0.12916 | 0.00000 | 602892.1 | 485432.8 | 0.0 | S |
| 210.658 | 0.0000 | 0.0000 | 80.817 | 0.12916 | 0.00000 | 602892.1 | 485436.7 | 0.0 | S |
| 210.667 | 0.0000 | 0.0000 | 80.817 | 0.12915 | 0.00000 | 602892.1 | 485440.6 | 0.0 | S |
| 210.675 | 0.0000 | 0.0000 | 80.817 | 0.12914 | 0.00000 | 602892.1 | 485444.4 | 0.0 | S |
| 210.683 | 0.0000 | 0.0000 | 80.817 | 0.12914 | 0.00000 | 602892.1 | 485448.3 | 0.0 | S |
| 210.692 | 0.0000 | 0.0000 | 80.817 | 0.12913 | 0.00000 | 602892.1 | 485452.2 | 0.0 | S |
| 210.700 | 0.0000 | 0.0000 | 80.817 | 0.12913 | 0.00000 | 602892.1 | 485456.1 | 0.0 | S |
| 210.708 | 0.0000 | 0.0000 | 80.817 | 0.12912 | 0.00000 | 602892.1 | 485459.9 | 0.0 | S |
| 210.717 | 0.0000 | 0.0000 | 80.817 | 0.12912 | 0.00000 | 602892.1 | 485463.8 | 0.0 | S |
| 210.725 | 0.0000 | 0.0000 | 80.817 | 0.12911 | 0.00000 | 602892.1 | 485467.7 | 0.0 | S |
| 210.733 | 0.0000 | 0.0000 | 80.817 | 0.12910 | 0.00000 | 602892.1 | 485471.6 | 0.0 | S |
| 210.742 | 0.0000 | 0.0000 | 80.817 | 0.12910 | 0.00000 | 602892.1 | 485475.4 | 0.0 | S |
| 210.750 | 0.0000 | 0.0000 | 80.817 | 0.12909 | 0.00000 | 602892.1 | 485479.3 | 0.0 | S |
| 210.758 | 0.0000 | 0.0000 | 80.817 | 0.12909 | 0.00000 | 602892.1 | 485483.2 | 0.0 | S |
| 210.767 | 0.0000 | 0.0000 | 80.816 | 0.12908 | 0.00000 | 602892.1 | 485487.1 | 0.0 | S |
| 210.775 | 0.0000 | 0.0000 | 80.816 | 0.12908 | 0.00000 | 602892.1 | 485490.9 | 0.0 | S |
| 210.783 | 0.0000 | 0.0000 | 80.816 | 0.12907 | 0.00000 | 602892.1 | 485494.8 | 0.0 | S |
| 210.792 | 0.0000 | 0.0000 | 80.816 | 0.12907 | 0.00000 | 602892.1 | 485498.7 | 0.0 | S |
| 210.800 | 0.0000 | 0.0000 | 80.816 | 0.12906 | 0.00000 | 602892.1 | 485502.6 | 0.0 | S |
| 210.808 | 0.0000 | 0.0000 | 80.816 | 0.12905 | 0.00000 | 602892.1 | 485506.4 | 0.0 | S |
| 210.817 | 0.0000 | 0.0000 | 80.816 | 0.12905 | 0.00000 | 602892.1 | 485510.3 | 0.0 | S |
| 210.825 | 0.0000 | 0.0000 | 80.816 | 0.12904 | 0.00000 | 602892.1 | 485514.2 | 0.0 | S |
| 210.833 | 0.0000 | 0.0000 | 80.816 | 0.12904 | 0.00000 | 602892.1 | 485518.0 | 0.0 | S |
| 210.842 | 0.0000 | 0.0000 | 80.816 | 0.12903 | 0.00000 | 602892.1 | 485521.9 | 0.0 | S |
| 210.850 | 0.0000 | 0.0000 | 80.816 | 0.12903 | 0.00000 | 602892.1 | 485525.8 | 0.0 | S |
| 210.858 | 0.0000 | 0.0000 | 80.816 | 0.12902 | 0.00000 | 602892.1 | 485529.7 | 0.0 | S |
| 210.867 | 0.0000 | 0.0000 | 80.816 | 0.12901 | 0.00000 | 602892.1 | 485533.5 | 0.0 | S |
| 210.875 | 0.0000 | 0.0000 | 80.815 | 0.12901 | 0.00000 | 602892.1 | 485537.4 | 0.0 | S |
| 210.883 | 0.0000 | 0.0000 | 80.815 | 0.12900 | 0.00000 | 602892.1 | 485541.3 | 0.0 | S |
| 210.892 | 0.0000 | 0.0000 | 80.815 | 0.12900 | 0.00000 | 602892.1 | 485545.1 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Enflow Rate ( $\mathrm{ft}^{3 /} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate (ft ${ }^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative <br> Discharge <br> Volume ( $\mathrm{t}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 210.900 | 0.0000 | 0.0000 | 80.815 | 0.12899 | 0.00000 | 602892.1 | 485549.0 | 0.0 | S |
| 210.908 | 0.0000 | 0.0000 | 80.815 | 0.12899 | 0.00000 | 602892.1 | 485552.9 | 0.0 | S |
| 210.917 | 0.0000 | 0.0000 | 80.815 | 0.12898 | 0.00000 | 602892.1 | 485556.8 | 0.0 | S |
| 210.925 | 0.0000 | 0.0000 | 80.815 | 0.12898 | 0.00000 | 602892.1 | 485560.6 | 0.0 | S |
| 210.933 | 0.0000 | 0.0000 | 80.815 | 0.12897 | 0.00000 | 602892.1 | 485564.5 | 0.0 | S |
| 210.942 | 0.0000 | 0.0000 | 80.815 | 0.12896 | 0.00000 | 602892.1 | 485568.3 | 0.0 | S |
| 210.950 | 0.0000 | 0.0000 | 80.815 | 0.12896 | 0.00000 | 602892.1 | 485572.2 | 0.0 | S |
| 210.958 | 0.0000 | 0.0000 | 80.815 | 0.12895 | 0.00000 | 602892.1 | 485576.1 | 0.0 | S |
| 210.967 | 0.0000 | 0.0000 | 80.815 | 0.12895 | 0.00000 | 602892.1 | 485579.9 | 0.0 | S |
| 210.975 | 0.0000 | 0.0000 | 80.815 | 0.12894 | 0.00000 | 602892.1 | 485583.8 | 0.0 | S |
| 210.983 | 0.0000 | 0.0000 | 80.814 | 0.12894 | 0.00000 | 602892.1 | 485587.7 | 0.0 | S |
| 210.992 | 0.0000 | 0.0000 | 80.814 | 0.12893 | 0.00000 | 602892.1 | 485591.6 | 0.0 | S |
| 211.000 | 0.0000 | 0.0000 | 80.814 | 0.12892 | 0.00000 | 602892.1 | 485595.4 | 0.0 | S |
| 211.008 | 0.0000 | 0.0000 | 80.814 | 0.12892 | 0.00000 | 602892.1 | 485599.3 | 0.0 | S |
| 211.017 | 0.0000 | 0.0000 | 80.814 | 0.12891 | 0.00000 | 602892.1 | 485603.2 | 0.0 | S |
| 211.025 | 0.0000 | 0.0000 | 80.814 | 0.12891 | 0.00000 | 602892.1 | 485607.0 | 0.0 | S |
| 211.033 | 0.0000 | 0.0000 | 80.814 | 0.12890 | 0.00000 | 602892.1 | 485610.9 | 0.0 | S |
| 211.042 | 0.0000 | 0.0000 | 80.814 | 0.12890 | 0.00000 | 602892.1 | 485614.8 | 0.0 | S |
| 211.050 | 0.0000 | 0.0000 | 80.814 | 0.12889 | 0.00000 | 602892.1 | 485618.6 | 0.0 | S |
| 211.058 | 0.0000 | 0.0000 | 80.814 | 0.12889 | 0.00000 | 602892.1 | 485622.5 | 0.0 | S |
| 211.067 | 0.0000 | 0.0000 | 80.814 | 0.12888 | 0.00000 | 602892.1 | 485626.4 | 0.0 | S |
| 211.075 | 0.0000 | 0.0000 | 80.814 | 0.12887 | 0.00000 | 602892.1 | 485630.2 | 0.0 | S |
| 211.083 | 0.0000 | 0.0000 | 80.814 | 0.12887 | 0.00000 | 602892.1 | 485634.1 | 0.0 | S |
| 211.092 | 0.0000 | 0.0000 | 80.813 | 0.12886 | 0.00000 | 602892.1 | 485638.0 | 0.0 | S |
| 211.100 | 0.0000 | 0.0000 | 80.813 | 0.12886 | 0.00000 | 602892.1 | 485641.8 | 0.0 | S |
| 211.108 | 0.0000 | 0.0000 | 80.813 | 0.12885 | 0.00000 | 602892.1 | 485645.7 | 0.0 | S |
| 211.117 | 0.0000 | 0.0000 | 80.813 | 0.12885 | 0.00000 | 602892.1 | 485649.6 | 0.0 | S |
| 211.125 | 0.0000 | 0.0000 | 80.813 | 0.12884 | 0.00000 | 602892.1 | 485653.4 | 0.0 | S |
| 211.133 | 0.0000 | 0.0000 | 80.813 | 0.12884 | 0.00000 | 602892.1 | 485657.3 | 0.0 | S |
| 211.142 | 0.0000 | 0.0000 | 80.813 | 0.12883 | 0.00000 | 602892.1 | 485661.2 | 0.0 | S |
| 211.150 | 0.0000 | 0.0000 | 80.813 | 0.12882 | 0.00000 | 602892.1 | 485665.0 | 0.0 | S |
| 211.158 | 0.0000 | 0.0000 | 80.813 | 0.12882 | 0.00000 | 602892.1 | 485668.9 | 0.0 | S |
| 211.167 | 0.0000 | 0.0000 | 80.813 | 0.12881 | 0.00000 | 602892.1 | 485672.8 | 0.0 | S |
| 211.175 | 0.0000 | 0.0000 | 80.813 | 0.12881 | 0.00000 | 602892.1 | 485676.6 | 0.0 | S |
| 211.183 | 0.0000 | 0.0000 | 80.813 | 0.12880 | 0.00000 | 602892.1 | 485680.5 | 0.0 | S |
| 211.192 | 0.0000 | 0.0000 | 80.813 | 0.12880 | 0.00000 | 602892.1 | 485684.3 | 0.0 | S |
| 211.200 | 0.0000 | 0.0000 | 80.812 | 0.12879 | 0.00000 | 602892.1 | 485688.2 | 0.0 | S |
| 211.208 | 0.0000 | 0.0000 | 80.812 | 0.12878 | 0.00000 | 602892.1 | 485692.1 | 0.0 | S |
| 211.217 | 0.0000 | 0.0000 | 80.812 | 0.12878 | 0.00000 | 602892.1 | 485695.9 | 0.0 | S |
| 211.225 | 0.0000 | 0.0000 | 80.812 | 0.12877 | 0.00000 | 602892.1 | 485699.8 | 0.0 | S |
| 211.233 | 0.0000 | 0.0000 | 80.812 | 0.12877 | 0.00000 | 602892.1 | 485703.7 | 0.0 | S |
| 211.242 | 0.0000 | 0.0000 | 80.812 | 0.12876 | 0.00000 | 602892.1 | 485707.5 | 0.0 | S |
| 211.250 | 0.0000 | 0.0000 | 80.812 | 0.12876 | 0.00000 | 602892.1 | 485711.4 | 0.0 | S |
| 211.258 | 0.0000 | 0.0000 | 80.812 | 0.12875 | 0.00000 | 602892.1 | 485715.3 | 0.0 | S |
| 211.267 | 0.0000 | 0.0000 | 80.812 | 0.12875 | 0.00000 | 602892.1 | 485719.1 | 0.0 | S |
| 211.275 | 0.0000 | 0.0000 | 80.812 | 0.12874 | 0.00000 | 602892.1 | 485723.0 | 0.0 | S |
| 211.283 | 0.0000 | 0.0000 | 80.812 | 0.12873 | 0.00000 | 602892.1 | 485726.8 | 0.0 | S |
| 211.292 | 0.0000 | 0.0000 | 80.812 | 0.12873 | 0.00000 | 602892.1 | 485730.7 | 0.0 | S |
| 211.300 | 0.0000 | 0.0000 | 80.812 | 0.12872 | 0.00000 | 602892.1 | 485734.6 | 0.0 | S |
| 21.308 | 0.0000 | 0.0000 | 80.811 | 0.12872 | 0.00000 | 602892.1 | 485738.4 | 0.0 | S |
| 211.317 | 0.0000 | 0.0000 | 80.811 | 0.12871 | 0.00000 | 602892.1 | 485742.3 | 0.0 | S |
| 211.325 | 0.0000 | 0.0000 | 80.811 | 0.12871 | 0.00000 | 602892.1 | 485746.1 | 0.0 | S |
| 211.333 | 0.0000 | 0.0000 | 80.811 | 0.12870 | 0.00000 | 602892.1 | 485750.0 | 0.0 | S |
| 211.342 | 0.0000 | 0.0000 | 80.811 | 0.12870 | 0.00000 | 602892.1 | 485753.8 | 0.0 | S |
| 211.350 | 0.0000 | 0.0000 | 80.811 | 0.12869 | 0.00000 | 602892.1 | 485757.7 | 0.0 | S |
| 211.358 | 0.0000 | 0.0000 | 80.811 | 0.12868 | 0.00000 | 602892.1 | 485761.6 | 0.0 | S |
| 211.367 | 0.0000 | 0.0000 | 80.811 | 0.12868 | 0.00000 | 602892.1 | 485765.4 | 0.0 | S |
| 211.375 | 0.0000 | 0.0000 | 80.811 | 0.12867 | 0.00000 | 602892.1 | 485769.3 | 0.0 | S |
| 211.383 | 0.0000 | 0.0000 | 80.811 | 0.12867 | 0.00000 | 602892.1 | 485773.2 | 0.0 | S |
| 211.392 | 0.0000 | 0.0000 | 80.811 | 0.12866 | 0.00000 | 602892.1 | 485777.0 | 0.0 | S |
| 211.400 | 0.0000 | 0.0000 | 80.811 | 0.12866 | 0.00000 | 602892.1 | 485780.9 | 0.0 | S |
| 211.408 | 0.0000 | 0.0000 | 80.811 | 0.12865 | 0.00000 | 602892.1 | 485784.8 | 0.0 | S |
| 211.417 | 0.0000 | 0.0000 | 80.810 | 0.12864 | 0.00000 | 602892.1 | 485788.6 | 0.0 | S |
| 211.425 | 0.0000 | 0.0000 | 80.810 | 0.12864 | 0.00000 | 602892.1 | 485792.5 | 0.0 | S |
| 211.433 | 0.0000 | 0.0000 | 80.810 | 0.12863 | 0.00000 | 602892.1 | 485796.3 | 0.0 | S |
| 211.442 | 0.0000 | 0.0000 | 80.810 | 0.12863 | 0.00000 | 602892.1 | 485800.2 | 0.0 | S |
| 211.450 | 0.0000 | 0.0000 | 80.810 | 0.12862 | 0.00000 | 602892.1 | 485804.0 | 0.0 | S |
| 211.458 | 0.0000 | 0.0000 | 80.810 | 0.12862 | 0.00000 | 602892.1 | 485807.9 | 0.0 | S |
| 211.467 | 0.0000 | 0.0000 | 80.810 | 0.12861 | 0.00000 | 602892.1 | 485811.8 | 0.0 | S |
| 211.475 | 0.0000 | 0.0000 | 80.810 | 0.12861 | 0.00000 | 602892.1 | 485815.6 | 0.0 | S |
| 211.483 | 0.0000 | 0.0000 | 80.810 | 0.12860 | 0.00000 | 602892.1 | 485819.5 | 0.0 | S |
| 211.492 | 0.0000 | 0.0000 | 80.810 | 0.12859 | 0.00000 | 602892.1 | 485823.3 | 0.0 | S |
| 211.500 | 0.0000 | 0.0000 | 80.810 | 0.12859 | 0.00000 | 602892.1 | 485827.2 | 0.0 | S |
| 211.508 | 0.0000 | 0.0000 | 80.810 | 0.12858 | 0.00000 | 602892.1 | 485831.0 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate <br> ( $\mathrm{fl}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation ( t datum) | Infiltration Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{t}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 211.517 | 0.0000 | 0.0000 | 80.810 | 0.12858 | 0.00000 | 602892.1 | 485834.9 | 0.0 | S |
| 211.525 | 0.0000 | 0.0000 | 80.809 | 0.12857 | 0.00000 | 602892.1 | 485838.8 | 0.0 | S |
| 211.533 | 0.0000 | 0.0000 | 80.809 | 0.12857 | 0.00000 | 602892.1 | 485842.6 | 0.0 | S |
| 211.542 | 0.0000 | 0.0000 | 80.809 | 0.12856 | 0.00000 | 602892.1 | 485846.5 | 0.0 | S |
| 211.550 | 0.0000 | 0.0000 | 80.809 | 0.12856 | 0.00000 | 602892.1 | 485850.3 | 0.0 | S |
| 211.558 | 0.0000 | 0.0000 | 80.809 | 0.12855 | 0.00000 | 602892.1 | 485854.2 | 0.0 | S |
| 211.567 | 0.0000 | 0.0000 | 80.809 | 0.12854 | 0.00000 | 602892.1 | 485858.0 | 0.0 | S |
| 211.575 | 0.0000 | 0.0000 | 80.809 | 0.12854 | 0.00000 | 602892.1 | 485861.9 | 0.0 | S |
| 211.583 | 0.0000 | 0.0000 | 80.809 | 0.12853 | 0.00000 | 602892.1 | 485865.8 | 0.0 | S |
| 211.592 | 0.0000 | 0.0000 | 80.809 | 0.12853 | 0.00000 | 602892.1 | 485869.6 | 0.0 | S |
| 211.600 | 0.0000 | 0.0000 | 80.809 | 0.12852 | 0.00000 | 602892.1 | 485873.5 | 0.0 | S |
| 211.608 | 0.0000 | 0.0000 | 80.809 | 0.12852 | 0.00000 | 602892.1 | 485877.3 | 0.0 | S |
| 211.617 | 0.0000 | 0.0000 | 80.809 | 0.12851 | 0.00000 | 602892.1 | 485881.2 | 0.0 | S |
| 211.625 | 0.0000 | 0.0000 | 80.809 | 0.12850 | 0.00000 | 602892.1 | 485885.0 | 0.0 | S |
| 211.633 | 0.0000 | 0.0000 | 80.808 | 0.12850 | 0.00000 | 602892.1 | 485888.9 | 0.0 | S |
| 211.642 | 0.0000 | 0.0000 | 80.808 | 0.12849 | 0.00000 | 602892.1 | 485892.8 | 0.0 | S |
| 211.650 | 0.0000 | 0.0000 | 80.808 | 0.12849 | 0.00000 | 602892.1 | 485896.6 | 0.0 | S |
| 211.658 | 0.0000 | 0.0000 | 80.808 | 0.12848 | 0.00000 | 602892.1 | 485900.4 | 0.0 | S |
| 211.667 | 0.0000 | 0.0000 | 80.808 | 0.12848 | 0.00000 | 602892.1 | 485904.3 | 0.0 | S |
| 211.675 | 0.0000 | 0.0000 | 80.808 | 0.12847 | 0.00000 | 602892.1 | 485908.2 | 0.0 | S |
| 211.683 | 0.0000 | 0.0000 | 80.808 | 0.12847 | 0.00000 | 602892.1 | 485912.0 | 0.0 | S |
| 211.692 | 0.0000 | 0.0000 | 80.808 | 0.12846 | 0.00000 | 602892.1 | 485915.9 | 0.0 | S |
| 211.700 | 0.0000 | 0.0000 | 80.808 | 0.12845 | 0.00000 | 602892.1 | 485919.7 | 0.0 | S |
| 211.708 | 0.0000 | 0.0000 | 80.808 | 0.12845 | 0.00000 | 602892.1 | 485923.6 | 0.0 | S |
| 211.717 | 0.0000 | 0.0000 | 80.808 | 0.12844 | 0.00000 | 602892.1 | 485927.4 | 0.0 | S |
| 211.725 | 0.0000 | 0.0000 | 80.808 | 0.12844 | 0.00000 | 602892.1 | 485931.3 | 0.0 | S |
| 211.733 | 0.0000 | 0.0000 | 80.808 | 0.12843 | 0.00000 | 602892.1 | 485935.1 | 0.0 | S |
| 211.742 | 0.0000 | 0.0000 | 80.807 | 0.12843 | 0.00000 | 602892.1 | 485939.0 | 0.0 | S |
| 211.750 | 0.0000 | 0.0000 | 80.807 | 0.12842 | 0.00000 | 602892.1 | 485942.8 | 0.0 | S |
| 211.758 | 0.0000 | 0.0000 | 80.807 | 0.12842 | 0.00000 | 602892.1 | 485946.7 | 0.0 | S |
| 211.767 | 0.0000 | 0.0000 | 80.807 | 0.12841 | 0.00000 | 602892.1 | 485950.5 | 0.0 | S |
| 211.775 | 0.0000 | 0.0000 | 80.807 | 0.12840 | 0.00000 | 602892.1 | 485954.4 | 0.0 | S |
| 211.783 | 0.0000 | 0.0000 | 80.807 | 0.12840 | 0.00000 | 602892.1 | 485958.3 | 0.0 | S |
| 211.792 | 0.0000 | 0.0000 | 80.807 | 0.12839 | 0.00000 | 602892.1 | 485962.1 | 0.0 | S |
| 211.800 | 0.0000 | 0.0000 | 80.807 | 0.12839 | 0.00000 | 602892.1 | 485965.9 | 0.0 | S |
| 211.808 | 0.0000 | 0.0000 | 80.807 | 0.12838 | 0.00000 | 602892.1 | 485969.8 | 0.0 | S |
| 211.817 | 0.0000 | 0.0000 | 80.807 | 0.12838 | 0.00000 | 602892.1 | 485973.7 | 0.0 | S |
| 211.825 | 0.0000 | 0.0000 | 80.807 | 0.12837 | 0.00000 | 602892.1 | 485977.5 | 0.0 | S |
| 211.833 | 0.0000 | 0.0000 | 80.807 | 0.12837 | 0.00000 | 602892.1 | 485981.3 | 0.0 | S |
| 211.842 | 0.0000 | 0.0000 | 80.807 | 0.12836 | 0.00000 | 602892.1 | 485985.2 | 0.0 | S |
| 211.850 | 0.0000 | 0.0000 | 80.806 | 0.12835 | 0.00000 | 602892.1 | 485989.1 | 0.0 | S |
| 211.858 | 0.0000 | 0.0000 | 80.806 | 0.12835 | 0.00000 | 602892.1 | 485992.9 | 0.0 | S |
| 211.867 | 0.0000 | 0.0000 | 80.806 | 0.12834 | 0.00000 | 602892.1 | 485996.8 | 0.0 | S |
| 211.875 | 0.0000 | 0.0000 | 80.806 | 0.12834 | 0.00000 | 602892.1 | 486000.6 | 0.0 | S |
| 211.883 | 0.0000 | 0.0000 | 80.806 | 0.12833 | 0.00000 | 602892.1 | 486004.5 | 0.0 | S |
| 211.892 | 0.0000 | 0.0000 | 80.806 | 0.12833 | 0.00000 | 602892.1 | 486008.3 | 0.0 | S |
| 211.900 | 0.0000 | 0.0000 | 80.806 | 0.12832 | 0.00000 | 602892.1 | 486012.2 | 0.0 | S |
| 211.908 | 0.0000 | 0.0000 | 80.806 | 0.12832 | 0.00000 | 602892.1 | 486016.0 | 0.0 | S |
| 211.917 | 0.0000 | 0.0000 | 80.806 | 0.12831 | 0.00000 | 602892.1 | 486019.8 | 0.0 | S |
| 211.925 | 0.0000 | 0.0000 | 80.806 | 0.12830 | 0.00000 | 602892.1 | 486023.7 | 0.0 | S |
| 211.933 | 0.0000 | 0.0000 | 80.806 | 0.12830 | 0.00000 | 602892.1 | 486027.6 | 0.0 | S |
| 211.942 | 0.0000 | 0.0000 | 80.806 | 0.12829 | 0.00000 | 602892.1 | 486031.4 | 0.0 | S |
| 211.950 | 0.0000 | 0.0000 | 80.806 | 0.12829 | 0.00000 | 602892.1 | 486035.3 | 0.0 | S |
| 211.958 | 0.0000 | 0.0000 | 80.805 | 0.12828 | 0.00000 | 602892.7 | 486039.1 | 0.0 | S |
| 211.967 | 0.0000 | 0.0000 | 80.805 | 0.12828 | 0.00000 | 602892.1 | 486042.9 | 0.0 | S |
| 211.975 | 0.0000 | 0.0000 | 80.805 | 0.12827 | 0.00000 | 602892.1 | 486046.8 | 0.0 | S |
| 211.983 | 0.0000 | 0.0000 | 80.805 | 0.12827 | 0.00000 | 602892.1 | 486050.7 | 0.0 | S |
| 211.992 | 0.0000 | 0.0000 | 80.805 | 0.12826 | 0.00000 | 602892.1 | 486054.5 | 0.0 | S |
| 212.000 | 0.0000 | 0.0000 | 80.805 | 0.12825 | 0.00000 | 602892.1 | 486058.3 | 0.0 | S |
| 212.008 | 0.0000 | 0.0000 | 80.805 | 0.12825 | 0.00000 | 602892.1 | 486062.2 | 0.0 | S |
| 212.017 | 0.0000 | 0.0000 | 80.805 | 0.12824 | 0.00000 | 602892.1 | 486056.0 | 0.0 | S |
| 212.025 | 0.0000 | 0.0000 | 80.805 | 0.12824 | 0.00000 | 602892.1 | 486069.9 | 0.0 | S |
| 212.033 | 0.0000 | 0.0000 | 80.805 | 0.12823 | 0.00000 | 602892.1 | 486073.7 | 0.0 | S |
| 212.042 | 0.0000 | 0.0000 | 80.805 | 0.12823 | 0.00000 | 602892.1 | 486077.6 | 0.0 | S |
| 212.050 | 0.0000 | 0.0000 | 80.805 | 0.12822 | 0.00000 | 602892.1 | 486081.4 | 0.0 | S |
| 212.058 | 0.0000 | 0.0000 | 80.805 | 0.12822 | 0.00000 | 602892.1 | 486085.3 | 0.0 | S |
| 212.067 | 0.0000 | 0.0000 | 80.804 | 0.12821 | 0.00000 | 602892.1 | 486089.1 | 0.0 | S |
| 212.075 | 0.0000 | 0.0000 | 80.804 | 0.12820 | 0.00000 | 602892.1 | 486093.0 | 0.0 | S |
| 212.083 | 0.0000 | 0.0000 | 80.804 | 0.12820 | 0.00000 | 602892.1 | 486096.8 | 0.0 | S |
| 212.092 | 0.0000 | 0.0000 | 80.804 | 0.12819 | 0.00000 | 602892.1 | 486100.7 | 0.0 | S |
| 212.100 | 0.0000 | 0.0000 | 80.804 | 0.12819 | 0.00000 | 602892.1 | 486104.5 | 0.0 | S |
| 212.108 | 0.0000 | 0.0000 | 80.804 | 0.12818 | 0.00000 | 602892.1 | 486108.3 | 0.0 | S |
| 212.117 | 0.0000 | 0.0000 | 80.804 | 0.12818 | 0.00000 | 602892.1 | 486112.2 | 0.0 | S |
| 212.125 | 0.0000 | 0.0000 | 80.804 | 0.12817 | 0.00000 | 602892.1 | 486116.0 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year/ 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate (ft/s) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge $\left(f^{3} / 5\right)$ | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Discharge Volume (ft ${ }^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 212.133 | 0.0000 | 0.0000 | 80.804 | 0.12817 | 0.00000 | 602892.1 | 486119.9 | 0.0 | S |
| 212.142 | 0.0000 | 0.0000 | 80.804 | 0.12816 | 0.00000 | 602892.1 | 486123.7 | 0.0 | S |
| 212.150 | 0.0000 | 0.0000 | 80.804 | 0.12815 | 0.00000 | 602892.1 | 486127.6 | 0.0 | S |
| 212.158 | 0.0000 | 0.0000 | 80.804 | 0.12815 | 0.00000 | 602892.1 | 486131.4 | 0.0 | S |
| 212.167 | 0.0000 | 0.0000 | 80.804 | 0.12814 | 0.00000 | 602892.1 | 486135.3 | 0.0 | S |
| 212.175 | 0.0000 | 0.0000 | 80.803 | 0.12814 | 0.00000 | 602892.1 | 486139.1 | 0.0 | S |
| 212.183 | 0.0000 | 0.0000 | 80.803 | 0.12813 | 0.00000 | 602892.1 | 486142.9 | 0.0 | S |
| 212.192 | 0.0000 | 0.0000 | 80.803 | 0.12813 | 0.00000 | 602892.1 | 486146.8 | 0.0 | S |
| 212.200 | 0.0000 | 0.0000 | 80.803 | 0.12812 | 0.00000 | 602892.1 | 486150.6 | 0.0 | S |
| 212.208 | 0.0000 | 0.0000 | 80.803 | 0.12812 | 0.00000 | 602892.1 | 486154.5 | 0.0 | S |
| 212.217 | 0.0000 | 0.0000 | 80.803 | 0.12811 | 0.00000 | 602892.1 | 486158.3 | 0.0 | S |
| 212.225 | 0.0000 | 0.0000 | 80.803 | 0.12810 | 0.00000 | 602892.1 | 486162.2 | 0.0 | S |
| 212.233 | 0.0000 | 0.0000 | 80.803 | 0.12810 | 0.00000 | 602892.1 | 486166.0 | 0.0 | S |
| 212.242 | 0.0000 | 0.0000 | 80.803 | 0.12809 | 0.00000 | 602892.1 | 486169.8 | 0.0 | S |
| 212.250 | 0.0000 | 0.0000 | 80.803 | 0.12809 | 0.00000 | 602892.1 | 486173.7 | 0.0 | S |
| 212.258 | 0.0000 | 0.0000 | 80.803 | 0.12808 | 0.00000 | 602892.1 | 486177.5 | 0.0 | S |
| 212.267 | 0.0000 | 0.0000 | 80.803 | 0.12808 | 0.00000 | 602892.1 | 486181.4 | 0.0 | S |
| 212.275 | 0.0000 | 0.0000 | 80.803 | 0.12807 | 0.00000 | 602892.1 | 486185.2 | 0.0 | S |
| 212.283 | 0.0000 | 0.0000 | 80.802 | 0.12807 | 0.00000 | 602892.1 | 486189.1 | 0.0 | S |
| 212.292 | 0.0000 | 0.0000 | 80.802 | 0.12806 | 0.00000 | 602892.1 | 486192.9 | 0.0 | S |
| 212.300 | 0.0000 | 0.0000 | 80.802 | 0.12805 | 0.00000 | 602892.1 | 486196.8 | 0.0 | S |
| 212.308 | 0.0000 | 0.0000 | 80.802 | 0.12805 | 0.00000 | 602892.1 | 486200.6 | 0.0 | S |
| 212.317 | 0.0000 | 0.0000 | 80.802 | 0.12804 | 0.00000 | 602892.1 | 486204.4 | 0.0 | S |
| 212.325 | 0.0000 | 0.0000 | 80.802 | 0.12804 | 0.00000 | 602892.1 | 486208.3 | 0.0 | S |
| 212.333 | 0.0000 | 0.0000 | 80.802 | 0.12803 | 0.00000 | 602892.1 | 486212.1 | 0.0 | S |
| 212.342 | 0.0000 | 0.0000 | 80.802 | 0.12803 | 0.00000 | 602892.1 | 486216.0 | 0.0 | S |
| 212.350 | 0.0000 | 0.0000 | 80.802 | 0.12802 | 0.00000 | 602892.1 | 486219.8 | 0.0 | S |
| 212.358 | 0.0000 | 0.0000 | 80.802 | 0.12802 | 0.00000 | 602892.1 | 486223.6 | 0.0 | S |
| 212.367 | 0.0000 | 0.0000 | 80.802 | 0.12801 | 0.00000 | 602892.1 | 486227.5 | 0.0 | S |
| 212.375 | 0.0000 | 0.0000 | 80.802 | 0.12800 | 0.00000 | 602892.1 | 486231.3 | 0.0 | S |
| 212.383 | 0.0000 | 0.0000 | 80.802 | 0.12800 | 0.00000 | 602892.1 | 486235.2 | 0.0 | S |
| 212.392 | 0.0000 | 0.0000 | 80.801 | 0.12799 | 0.00000 | 602892.1 | 486239.0 | 0.0 | S |
| 212.400 | 0.0000 | 0.0000 | 80.801 | 0.12799 | 0.00000 | 602892.1 | 486242.8 | 0.0 | S |
| 212.408 | 0.0000 | 0.0000 | 80.801 | 0.12798 | 0.00000 | 602892.1 | 486246.7 | 0.0 | S |
| 212.417 | 0.0000 | 0.0000 | 80.801 | 0.12798 | 0.00000 | 602892.1 | 486250.5 | 0.0 | S |
| 212.425 | 0.0000 | 0.0000 | 80.801 | 0.12797 | 0.00000 | 602892.1 | 486254.3 | 0.0 | S |
| 212.433 | 0.0000 | 0.0000 | 80.801 | 0.12797 | 0.00000 | 602892.1 | 486258.2 | 0.0 | S |
| 212.442 | 0.0000 | 0.0000 | 80.801 | 0.12796 | 0.00000 | 602892.1 | 486262.0 | 0.0 | S |
| 212.450 | 0.0000 | 0.0000 | 80.801 | 0.12795 | 0.00000 | 602892.1 | 486265.9 | 0.0 | S |
| 212.458 | 0.0000 | 0.0000 | 80.801 | 0.12795 | 0.00000 | 602892.1 | 486269.7 | 0.0 | S |
| 212.467 | 0.0000 | 0.0000 | 80.801 | 0.12794 | 0.00000 | 602892.1 | 486273.6 | 0.0 | S |
| 212.475 | 0.0000 | 0.0000 | 80.801 | 0.12794 | 0.00000 | 602892.1 | 486277.4 | 0.0 | S |
| 212.483 | 0.0000 | 0.0000 | 80.801 | 0.12793 | 0.00000 | 602892.1 | 486281.2 | 0.0 | S |
| 212.492 | 0.0000 | 0.0000 | 80.801 | 0.12793 | 0.00000 | 602892.1 | 486285.1 | 0.0 | S |
| 212.500 | 0.0000 | 0.0000 | 80.800 | 0.12792 | 0.00000 | 602892.1 | 486288.9 | 0.0 | S |
| 212.508 | 0.0000 | 0.0000 | 80.800 | 0.12792 | 0.00000 | 602892.1 | 486292.8 | 0.0 | S |
| 212.517 | 0.0000 | 0.0000 | 80.800 | 0.12791 | 0.00000 | 602892.1 | 486296.6 | 0.0 | S |
| 212.525 | 0.0000 | 0.0000 | 80.800 | 0.12790 | 0.00000 | 602892.1 | 486300.4 | 0.0 | S |
| 212.533 | 0.0000 | 0.0000 | 80.800 | 0.12790 | 0.00000 | 602892.1 | 486304.3 | 0.0 | S |
| 212.542 | 0.0000 | 0.0000 | 80.800 | 0.12789 | 0.00000 | 602892.1 | 486308.1 | 0.0 | S |
| 212.550 | 0.0000 | 0.0000 | 80.800 | 0.12789 | 0.00000 | 602892.1 | 486311.9 | 0.0 | S |
| 212.558 | 0.0000 | 0.0000 | 80.800 | 0.12788 | 0.00000 | 602892.1 | 486315.8 | 0.0 | S |
| 212.567 | 0.0000 | 0.0000 | 80.800 | 0.12788 | 0.00000 | 602892.1 | 486319.6 | 0.0 | S |
| 212.575 | 0.0000 | 0.0000 | 80.800 | 0.12787 | 0.00000 | 602892.1 | 486323.4 | 0.0 | S |
| 212.583 | 0.0000 | 0.0000 | 80.800 | 0.12787 | 0.00000 | 602892.1 | 486327.3 | 0.0 | S |
| 212.592 | 0.0000 | 0.0000 | 80.800 | 0.12786 | 0.00000 | 602892.1 | 486331.1 | 0.0 | S |
| 212.600 | 0.0000 | 0.0000 | 80.800 | 0.12785 | 0.00000 | 602892.1 | 486334.9 | 0.0 | S |
| 212.608 | 0.0000 | 0.0000 | 80.799 | 0.12785 | 0.00000 | 602892.1 | 486338.8 | 0.0 | S |
| 212.617 | 0.0000 | 0.0000 | 80.799 | 0.12784 | 0.00000 | 602892.1 | 486342.6 | 0.0 | S |
| 212.625 | 0.0000 | 0.0000 | 80.799 | 0.12784 | 0.00000 | 602892.1 | 486346.4 | 0.0 | S |
| 212.633 | 0.0000 | 0.0000 | 80.799 | 0.12783 | 0.00000 | 602892.1 | 486350.3 | 0.0 | S |
| 212.642 | 0.0000 | 0.0000 | 80.799 | 0.12783 | 0.00000 | 602892.1 | 486354.1 | 0.0 | S |
| 212.650 | 0.0000 | 0.0000 | 80.799 | 0.12782 | 0.00000 | 602892.1 | 486357.9 | 0.0 | S |
| 212.658 | 0.0000 | 0.0000 | 80.799 | 0.12782 | 0.00000 | 602892.1 | 486361.8 | 0.0 | S |
| 212.667 | 0.0000 | 0.0000 | 80.799 | 0.12781 | 0.00000 | 602892.1 | 486365.6 | 0.0 | S |
| 212.675 | 0.0000 | 0.0000 | 80.799 | 0.12780 | 0.00000 | 602892.1 | 486369.5 | 0.0 | S |
| 212.683 | 0.0000 | 0.0000 | 80.799 | 0.12780 | 0.00000 | 602892.1 | 486373.3 | 0.0 | S |
| 212.692 | 0.0000 | 0.0000 | 80.799 | 0.12779 | 0.00000 | 602892.1 | 486377.1 | 0.0 | S |
| 212.700 | 0.0000 | 0.0000 | 80.799 | 0.12779 | 0.00000 | 602892.1 | 486381.0 | 0.0 | S |
| 212.708 | 0.0000 | 0.0000 | 80.799 | 0.12778 | 0.00000 | 602892.1 | 486384.8 | 0.0 | S |
| 212.717 | 0.0000 | 0.0000 | 80.798 | 0.12778 | 0.00000 | 602892.1 | 4863388.6 | 0.0 | S |
| 212.725 | 0.0000 | 0.0000 | 80.798 | 0.12777 | 0.00000 | 602892.1 | 486392.5 | 0.0 | S |
| 212.733 | 0.0000 | 0.0000 | 80.798 | 0.12777 | 0.00000 | 602892.1 | 486396.3 | 0.0 | S |
| 212.742 | 0.0000 | 0.0000 | 80.798 | 0.12776 | 0.00000 | 602892.1 | 486400.1 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year/ 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | intlow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (fl/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 212.750 | 0.0000 | 0.0000 | 80.798 | 0.12775 | 0.00000 | 602892.1 | 486404.0 | 0.0 | S |
| 212.758 | 0.0000 | 0.0000 | 80.798 | 0.12775 | 0.00000 | 602892.1 | 486407.8 | 0.0 | S |
| 212.767 | 0.0000 | 0.0000 | 80.798 | 0.12774 | 0.00000 | 602892.1 | 486411.6 | 0.0 | S |
| 212.775 | 0.0000 | 0.0000 | 80.798 | 0.12774 | 0.00000 | 602892.1 | 486415.4 | 0.0 | S |
| 212.783 | 0.0000 | 0.0000 | 80.798 | 0.12773 | 0.00000 | 602892.1 | 486419.3 | 0.0 | S |
| 212.792 | 0.0000 | 0.0000 | 80.798 | 0.12773 | 0.00000 | 602892.1 | 486423.1 | 0.0 | S |
| 212.800 | 0.0000 | 0.0000 | 80.798 | 0.12772 | 0.00000 | 602892.1 | 486426.9 | 0.0 | S |
| 212.808 | 0.0000 | 0.0000 | 80.798 | 0.12772 | 0.00000 | 602892.1 | 486430.8 | 0.0 | S |
| 212.817 | 0.0000 | 0.0000 | 80.798 | 0.12771 | 0.00000 | 602892.1 | 486434.6 | 0.0 | S |
| 212.825 | 0.0000 | 0.0000 | 80.797 | 0.12771 | 0.00000 | 602892.1 | 486438.4 | 0.0 | S |
| 212.833 | 0.0000 | 0.0000 | 80.797 | 0.12770 | 0.00000 | 602892.1 | 486442.3 | 0.0 | S |
| 212.842 | 0.0000 | 0.0000 | 80.797 | 0.12769 | 0.00000 | 602892.1 | 486446.1 | 0.0 | S |
| 212.850 | 0.0000 | 0.0000 | 80.797 | 0.12769 | 0.00000 | 602892.1 | 486449.9 | 0.0 | S |
| 212.858 | 0.0000 | 0.0000 | 80.797 | 0.12768 | 0.00000 | 602892.1 | 486453.8 | 0.0 | S |
| 212.867 | 0.0000 | 0.0000 | 80.797 | 0.12768 | 0.00000 | 602892.1 | 486457.6 | 0.0 | S |
| 212.875 | 0.0000 | 0.0000 | 80.797 | 0.12767 | 0.00000 | 602892.1 | 486461.4 | 0.0 | S |
| 212.883 | 0.0000 | 0.0000 | 80.797 | 0.12767 | 0.00000 | 602892.1 | 486465.3 | 0.0 | S |
| 212.892 | 0.0000 | 0.0000 | 80.797 | 0.12766 | 0.00000 | 602892.1 | 486469.1 | 0.0 | S |
| 212.900 | 0.0000 | 0.0000 | 80.797 | 0.12766 | 0.00000 | 602892.1 | 486472.9 | 0.0 | S |
| 212.908 | 0.0000 | 0.0000 | 80.797 | 0.12765 | 0.00000 | 602892.1 | 486476.8 | 0.0 | S |
| 212.917 | 0.0000 | 0.0000 | 80.797 | 0.12764 | 0.00000 | 602892.1 | 486480.6 | 0.0 | S |
| 212.925 | 0.0000 | 0.0000 | 80.797 | 0.12764 | 0.00000 | 602892.1 | 486484.4 | 0.0 | S |
| 212.933 | 0.0000 | 0.0000 | 80.796 | 0.12763 | 0.00000 | 602892.1 | 486488.2 | 0.0 | S |
| 212.942 | 0.0000 | 0.0000 | 80.796 | 0.12763 | 0.00000 | 602892.1 | 486492.1 | 0.0 | S |
| 212.950 | 0.0000 | 0.0000 | 80.796 | 0.12762 | 0.00000 | 602892.1 | 486495.9 | 0.0 | S |
| 212.958 | 0.0000 | 0.0000 | 80.796 | 0.12762 | 0.00000 | 602892.1 | 486499.7 | 0.0 | S |
| 212.967 | 0.0000 | 0.0000 | 80.796 | 0.12761 | 0.00000 | 602892.1 | 486503.6 | 0.0 | S |
| 212.975 | 0.0000 | 0.0000 | 80.796 | 0.12761 | 0.00000 | 602892.1 | 486507.4 | 0.0 | S |
| 212.983 | 0.0000 | 0.0000 | 80.796 | 0.12760 | 0.00000 | 602892.1 | 486511.2 | 0.0 | S |
| 212.992 | 0.0000 | 0.0000 | 80.796 | 0.12759 | 0.00000 | 602892.1 | 486515.0 | 0.0 | S |
| 213.000 | 0.0000 | 0.0000 | 80.796 | 0.12759 | 0.00000 | 602892.1 | 486518.9 | 0.0 | S |
| 213.008 | 0.0000 | 0.0000 | 80.796 | 0.12758 | 0.00000 | 602892.1 | 486522.7 | 0.0 | S |
| 213.017 | 0.0000 | 0.0000 | 80.796 | 0.12758 | 0.00000 | 602892.1 | 486526.5 | 0.0 | S |
| 213.025 | 0.0000 | 0.0000 | 80.796 | 0.12757 | 0.00000 | 602892.1 | 486530.3 | 0.0 | S |
| 213.033 | 0.0000 | 0.0000 | 80.796 | 0.12757 | 0.00000 | 602892.1 | 486534.2 | 0.0 | S |
| 213.042 | 0.0000 | 0.0000 | 80.795 | 0.12756 | 0.00000 | 602892.1 | 486538.0 | 0.0 | S |
| 213.050 | 0.0000 | 0.0000 | 80.795 | 0.12756 | 0.00000 | 602892.1 | 486541.8 | 0.0 | S |
| 213.058 | 0.0000 | 0.0000 | 80.795 | 0.12755 | 0.00000 | 602892.1 | 486545.7 | 0.0 | S |
| 213.067 | 0.0000 | 0.0000 | 80.795 | 0.12755 | 0.00000 | 602892.1 | 486549.5 | 0.0 | S |
| 213.075 | 0.0000 | 0.0000 | 80.795 | 0.12754 | 0.00000 | 602892.1 | 486553.3 | 0.0 | S |
| 213.083 | 0.0000 | 0.0000 | 80.795 | 0.12753 | 0.00000 | 602892.1 | 486557.1 | 0.0 | S |
| 213.092 | 0.0000 | 0.0000 | 80.795 | 0.12753 | 0.00000 | 602892.1 | 486561.0 | 0.0 | S |
| 213.100 | 0.0000 | 0.0000 | 80.795 | 0.12752 | 0.00000 | 602892.1 | 486564.8 | 0.0 | S |
| 213.108 | 0.0000 | 0.0000 | 80.795 | 0.12752 | 0.00000 | 602892.1 | 486568.6 | 0.0 | S |
| 213.117 | 0.0000 | 0.0000 | 80.795 | 0.12751 | 0.00000 | 602892.1 | 486572.4 | 0.0 | S |
| 213.125 | 0.0000 | 0.0000 | 80.795 | 0.12751 | 0.00000 | 602892.1 | 486576.3 | 0.0 | S |
| 213.133 | 0.0000 | 0.0000 | 80.795 | 0.12750 | 0.00000 | 602892.1 | 486580.1 | 0.0 | S |
| 213.142 | 0.0000 | 0.0000 | 80.795 | 0.12750 | 0.00000 | 602892.1 | 486583.9 | 0.0 | S |
| 213.150 | 0.0000 | 0.0000 | 80.794 | 0.12749 | 0.00000 | 602892.1 | 486587.7 | 0.0 | S |
| 213.158 | 0.0000 | 0.0000 | 80.794 | 0.12748 | 0.00000 | 602892.1 | 486591.6 | 0.0 | S |
| 213.167 | 0.0000 | 0.0000 | 80.794 | 0.12748 | 0.00000 | 602892.1 | 486595.4 | 0.0 | S |
| 213.175 | 0.0000 | 0.0000 | 80.794 | 0.12747 | 0.00000 | 602892.1 | 486599.2 | 0.0 | S |
| 213.183 | 0.0000 | 0.0000 | 80.794 | 0.12747 | 0.00000 | 602892.1 | 486603.0 | 0.0 | S |
| 213.192 | 0.0000 | 0.0000 | 80.794 | 0.12746 | 0.00000 | 602892.1 | 486606.8 | 0.0 | S |
| 213.200 | 0.0000 | 0.0000 | 80.794 | 0.12746 | 0.00000 | 602892.1 | 486610.7 | 0.0 | S |
| 213.208 | 0.0000 | 0.0000 | 80.794 | 0.12745 | 0.00000 | 602892.1 | 486614.5 | 0.0 | S |
| 213.217 | 0.0000 | 0.0000 | 80.794 | 0.12745 | 0.00000 | 602892.1 | 486618.3 | 0.0 | S |
| 213.225 | 0.0000 | 0.0000 | 80.794 | 0.12744 | 0.00000 | 602892.1 | 486622.2 | 0.0 | S |
| 213.233 | 0.0000 | 0.0000 | 80.794 | 0.12744 | 0.00000 | 602892.1 | 486626.0 | 0.0 | S |
| 213.242 | 0.0000 | 0.0000 | 80.794 | 0.12743 | 0.00000 | 602892.1 | 486629.8 | 0.0 | S |
| 213.250 | 0.0000 | 0.0000 | 80.794 | 0.12742 | 0.00000 | 602892.1 | 486633.6 | 0.0 | S |
| 213.258 | 0.0000 | 0.0000 | 80.793 | 0.12742 | 0.00000 | 602892.1 | 486637.4 | 0.0 | S |
| 213.267 | 0.0000 | 0.0000 | 80.793 | 0.12741 | 0.00000 | 602892.1 | 486641.3 | 0.0 | S |
| 213.275 | 0.0000 | 0.0000 | 80.793 | 0.12741 | 0.00000 | 602892.1 | 486645.1 | 0.0 | S |
| 213.283 | 0.0000 | 0.0000 | 80.793 | 0.12740 | 0.00000 | 602892.1 | 486648.9 | 0.0 | S |
| 213.292 | 0.0000 | 0.0000 | 80.793 | 0.12740 | 0.00000 | 602892.1 | 486652.7 | 0.0 | S |
| 213.300 | 0.0000 | 0.0000 | 80.793 | 0.12739 | 0.00000 | 602892.1 | 486656.6 | 0.0 | S |
| 213.308 | 0.0000 | 0.0000 | 80.793 | 0.12739 | 0.00000 | 602892.1 | 486660.4 | 0.0 | S |
| 213.317 | 0.0000 | 0.0000 | 80.793 | 0.12738 | 0.00000 | 602892.1 | 486664.2 | 0.0 | S |
| 213.325 | 0.0000 | 0.0000 | 80.793 | 0.12737 | 0.00000 | 602892.1 | 486668.0 | 0.0 | S |
| 213.333 | 0.0000 | 0.0000 | 80.793 | 0.12737 | 0.00000 | 602892.1 | 486671.8 | 0.0 | S |
| 213.342 | 0.0000 | 0.0000 | 80.793 | 0.12736 | 0.00000 | 602892.1 | 486675.7 | 0.0 | S |
| 213.350 | 0.0000 | 0.0000 | 80.793 | 0.12736 | 0.00000 | 602892.1 | 486679.5 | 0.0 | S |
| 213.358 | 0.0000 | 0.0000 | 80.793 | 0.12735 | 0.00000 | 602892.1 | 486683.3 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $f^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative inflow Vofume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | $\begin{aligned} & \text { Flow } \\ & \text { Type } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 213.367 | 0.0000 | 0.0000 | 80.793 | 0.12735 | 0.00000 | 602892.1 | 486687.1 | 0.0 | S |
| 213.375 | 0.0000 | 0.0000 | 80.792 | 0.12734 | 0.00000 | 602892.1 | 486690.9 | 0.0 | S |
| 213.383 | 0.0000 | 0.0000 | 80.792 | 0.12734 | 0.00000 | 602892.1 | 486694.8 | 0.0 | S |
| 213.392 | 0.0000 | 0.0000 | 80.792 | 0.12733 | 0.00000 | 602892.1 | 486698.6 | 0.0 | S |
| 213.400 | 0.0000 | 0.0000 | 80.792 | 0.12733 | 0.00000 | 602892.1 | 486702.4 | 0.0 | S |
| 213.408 | 0.0000 | 0.0000 | 80.792 | 0.12732 | 0.00000 | 602892.1 | 486706.2 | 0.0 | S |
| 213.417 | 0.0000 | 0.0000 | 80.792 | 0.12731 | 0.00000 | 602892.1 | 486710.0 | 0.0 | S |
| 213.425 | 0.0000 | 0.0000 | 80.792 | 0.12731 | 0.00000 | 602892.1 | 486713.8 | 0.0 | S |
| 213.433 | 0.0000 | 0.0000 | 80.792 | 0.12730 | 0.00000 | 602892.1 | 486717.7 | 0.0 | S |
| 213.442 | 0.0000 | 0.0000 | 80.792 | 0.12730 | 0.00000 | 602892.1 | 486721.5 | 0.0 | S |
| 213.450 | 0.0000 | 0.0000 | 80.792 | 0.12729 | 0.00000 | 602892.1 | 486725.3 | 0.0 | S |
| 213.458 | 0.0000 | 0.0000 | 80.792 | 0.12729 | 0.00000 | 602892.1 | 486729.1 | 0.0 | S |
| 213.467 | 0.0000 | 0.0000 | 80.792 | 0.12728 | 0.00000 | 602892.1 | 486732.9 | 0.0 | S |
| 213.475 | 0.0000 | 0.0000 | 80.792 | 0.12728 | 0.00000 | 602892.1 | 486736.8 | 0.0 | S |
| 213.483 | 0.0000 | 0.0000 | 80.791 | 0.12727 | 0.00000 | 602892.1 | 486740.6 | 0.0 | S |
| 213.492 | 0.0000 | 0.0000 | 80.791 | 0.12726 | 0.00000 | 602892.1 | 486744.4 | 0.0 | S |
| 213.500 | 0.0000 | 0.0000 | 80.791 | 0.12726 | 0.00000 | 602892.1 | 486748.2 | 0.0 | S |
| 213.508 | 0.0000 | 0.0000 | 80.791 | 0.12725 | 0.00000 | 602892.1 | 486752.0 | 0.0 | S |
| 213.517 | 0.0000 | 0.0000 | 80.791 | 0.12725 | 0.00000 | 602892.1 | 486755.8 | 0.0 | S |
| 213.525 | 0.0000 | 0.0000 | 80.791 | 0.12724 | 0.00000 | 602892.1 | 486759.7 | 0.0 | S |
| 213.533 | 0.0000 | 0.0000 | 80.791 | 0.12724 | 0.00000 | 602892.1 | 486763.5 | 0.0 | S |
| 213.542 | 0.0000 | 0.0000 | 80.791 | 0.12723 | 0.00000 | 602892.1 | 486767.3 | 0.0 | S |
| 213.550 | 0.0000 | 0.0000 | 80.791 | 0.12723 | 0.00000 | 602892.1 | 486771.1 | 0.0 | S |
| 213.558 | 0.0000 | 0.0000 | 80.791 | 0.12722 | 0.00000 | 602892.1 | 486774.9 | 0.0 | S |
| 213.567 | 0.0000 | 0.0000 | 80.791 | 0.12722 | 0.00000 | 602892.1 | 486778.8 | 0.0 | S |
| 213.575 | 0.0000 | 0.0000 | 80.791 | 0.12721 | 0.00000 | 602892.1 | 486782.6 | 0.0 | S |
| 213.583 | 0.0000 | 0.0000 | 80.791 | 0.12720 | 0.00000 | 602892.1 | 486786.4 | 0.0 | S |
| 213.592 | 0.0000 | 0.0000 | 80.790 | 0.12720 | 0.00000 | 602892.1 | 486790.2 | 0.0 | S |
| 213.600 | 0.0000 | 0.0000 | 80.790 | 0.12719 | 0.00000 | 602892.1 | 486794.0 | 0.0 | S |
| 213.608 | 0.0000 | 0.0000 | 80.790 | 0.12719 | 0.00000 | 602892.1 | 486797.8 | 0.0 | S |
| 213.617 | 0.0000 | 0.0000 | 80.790 | 0.12718 | 0.00000 | 602892.1 | 486801.7 | 0.0 | S |
| 213.625 | 0.0000 | 0.0000 | 80.790 | 0.12718 | 0.00000 | 602892.1 | 486805.5 | 0.0 | S |
| 213.633 | 0.0000 | 0.0000 | 80.790 | 0.12717 | 0.00000 | 602892.1 | 486809.3 | 0.0 | S |
| 213.642 | 0.0000 | 0.0000 | 80.790 | 0.12717 | 0.00000 | 602892.1 | 486813.1 | 0.0 | S |
| 213.650 | 0.0000 | 0.0000 | 80.790 | 0.12716 | 0.00000 | 602892.1 | 486816.9 | 0.0 | S |
| 213.658 | 0.0000 | 0.0000 | 80.790 | 0.12715 | 0.00000 | 602892.1 | 486820.7 | 0.0 | S |
| 213.667 | 0.0000 | 0.0000 | 80.790 | 0.12715 | 0.00000 | 602892.1 | 486824.5 | 0.0 | S |
| 213.675 | 0.0000 | 0.0000 | 80.790 | 0.12714 | 0.00000 | 602892.1 | 486828.4 | 0.0 | S |
| 213.683 | 0.0000 | 0.0000 | 80.790 | 0.12714 | 0.00000 | 602892.1 | 486832.2 | 0.0 | S |
| 213.692 | 0.0000 | 0.0000 | 80.790 | 0.12713 | 0.00000 | 602892.1 | 486836.0 | 0.0 | S |
| 213.700 | 0.0000 | 0.0000 | 80.789 | 0.12713 | 0.00000 | 602892.1 | 486839.8 | 0.0 | S |
| 213.708 | 0.0000 | 0.0000 | 80.789 | 0.12712 | 0.00000 | 602892.1 | 486843.6 | 0.0 | S |
| 213.717 | 0.0000 | 0.0000 | 80.789 | 0.12712 | 0.00000 | 602892.1 | 486847.4 | 0.0 | S |
| 213.725 | 0.0000 | 0.0000 | 80.789 | 0.12711 | 0.00000 | 602892.1 | 486851.3 | 0.0 | S |
| 213.733 | 0.0000 | 0.0000 | 80.789 | 0.12711 | 0.00000 | 602892.1 | 486855.1 | 0.0 | S |
| 213.742 | 0.0000 | 0.0000 | 80.789 | 0.12710 | 0.00000 | 602892.1 | 486858.9 | 0.0 | S |
| 213.750 | 0.0000 | 0.0000 | 80.789 | 0.12709 | 0.00000 | 602892.1 | 486862.7 | 0.0 | S |
| 213.758 | 0.0000 | 0.0000 | 80.789 | 0.12709 | 0.00000 | 602892.1 | 486866.5 | 0.0 | S |
| 213.767 | 0.0000 | 0.0000 | 80.789 | 0.12708 | 0.00000 | 602892.1 | 486870.3 | 0.0 | S |
| 213.775 | 0.0000 | 0.0000 | 80.789 | 0.12708 | 0.00000 | 602892.1 | 486874.1 | 0.0 | S |
| 213.783 | 0.0000 | 0.0000 | 80.789 | 0.12707 | 0.00000 | 602892.1 | 486877.9 | 0.0 | S |
| 213.792 | 0.0000 | 0.0000 | 80.789 | 0.12707 | 0.00000 | 602892.1 | 486881.8 | 0.0 | S |
| 213.800 | 0.0000 | 0.0000 | 80.789 | 0.12706 | 0.00000 | 602892.1 | 486885.6 | 0.0 | S |
| 213.808 | 0.0000 | 0.0000 | 80.788 | 0.12706 | 0.00000 | 602892.1 | 486889.4 | 0.0 | S |
| 213.817 | 0.0000 | 0.0000 | 80.788 | 0.12705 | 0.00000 | 602892.1 | 486893.2 | 0.0 | S |
| 213.825 | 0.0000 | 0.0000 | 80.788 | 0.12705 | 0.00000 | 602892.1 | 486897.0 | 0.0 | S |
| 213.833 | 0.0000 | 0.0000 | 80.788 | 0.12704 | 0.00000 | 602892.1 | 486900.8 | 0.0 | S |
| 213.842 | 0.0000 | 0.0000 | 80.788 | 0.12703 | 0.00000 | 602892.1 | 486904.6 | 0.0 | S |
| 213.850 | 0.0000 | 0.0000 | 80.788 | 0.12703 | 0.00000 | 602892.1 | 486908.4 | 0.0 | S |
| 213.858 | 0.0000 | 0.0000 | 80.788 | 0.12702 | 0.00000 | 602892.1 | 486912.3 | 0.0 | S |
| 213.867 | 0.0000 | 0.0000 | 80.788 | 0.12702 | 0.00000 | 602892.1 | 486916.0 | 0.0 | S |
| 213.875 | 0.0000 | 0.0000 | 80.788 | 0.12701 | 0.00000 | 602892.1 | 486919.8 | 0.0 | S |
| 213.883 | 0.0000 | 0.0000 | 80.788 | 0.12701 | 0.00000 | 602892.1 | 486923.7 | 0.0 | S |
| 213.892 | 0.0000 | 0.0000 | 80.788 | 0.12700 | 0.00000 | 602892.1 | 486927.5 | 0.0 | S |
| 213.900 | 0.0000 | 0.0000 | 80.788 | 0.12700 | 0.00000 | 602892.1 | 486931.3 | 0.0 | S |
| 213.908 | 0.0000 | 0.0000 | 80.788 | 0.12699 | 0.00000 | 602892.1 | 486935.1 | 0.0 | S |
| 213.917 | 0.0000 | 0.0000 | 80.787 | 0.12699 | 0.00000 | 602892.1 | 486938.9 | 0.0 | S |
| 213.925 | 0.0000 | 0.0000 | 80.787 | 0.12698 | 0.00000 | 602892.1 | 486942.7 | 0.0 | S |
| 213.933 | 0.0000 | 0.0000 | 80.787 | 0.12697 | 0.00000 | 602892.1 | 486946.5 | 0.0 | S |
| 213.942 | 0.0000 | 0.0000 | 80.787 | 0.12697 | 0.00000 | 602892.1 | 486950.3 | 0.0 | S |
| 213.950 | 0.0000 | 0.0000 | 80.787 | 0.12696 | 0.00000 | 602892.1 | 486954.2 | 0.0 | S |
| 213.958 | 0.0000 | 0.0000 | 80.787 | 0.12696 | 0.00000 | 602892.1 | 486957.9 | 0.0 | S |
| 213.967 | 0.0000 | 0.0000 | 80.787 | 0.12695 | 0.00000 | 602892.1 | 486961.8 | 0.0 | S |
| 213.975 | 0.0000 | 0.0000 | 80.787 | 0.12695 | 0.00000 | 602892.1 | 486965.6 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont, d.)
:: Scenario $1::$ pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation ( 11 datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative unflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 213.983 | 0.0000 | 0.0000 | 80.787 | 0.12694 | 0.00000 | 602892.1 | 486969.4 | 0.0 | S |
| 213.992 | 0.0000 | 0.0000 | 80.787 | 0.12694 | 0.00000 | 602892.1 | 486973.2 | 0.0 | S |
| 214.000 | 0.0000 | 0.0000 | 80.787 | 0.12693 | 0.00000 | 602892.1 | 486977.0 | 0.0 | S |
| 214.008 | 0.0000 | 0.0000 | 80.787 | 0.12692 | 0.00000 | 602892.1 | 486980.8 | 0.0 | S |
| 214.017 | 0.0000 | 0.0000 | 80.787 | 0.12692 | 0.00000 | 602892.1 | 486984.6 | 0.0 | S |
| 214.025 | 0.0000 | 0.0000 | 80.786 | 0.12691 | 0.00000 | 602892.1 | 486988.4 | 0.0 | S |
| 214.033 | 0.0000 | 0.0000 | 80.786 | 0.12691 | 0.00000 | 602892.1 | 486992.2 | 0.0 | S |
| 214.042 | 0.0000 | 0.0000 | 80.786 | 0.12690 | 0.00000 | 602892.1 | 486996.0 | 0.0 | S |
| 214.050 | 0.0000 | 0.0000 | 80.786 | 0.12690 | 0.00000 | 602892.1 | 486999.8 | 0.0 | S |
| 214.058 | 0.0000 | 0.0000 | 80.786 | 0.12689 | 0.00000 | 602892.1 | 487003.7 | 0.0 | S |
| 214.067 | 0.0000 | 0.0000 | 80.786 | 0.12689 | 0.00000 | 602892.1 | 487007.4 | 0.0 | S |
| 214.075 | 0.0000 | 0.0000 | 80.786 | 0.12688 | 0.00000 | 602892.1 | 487011.3 | 0.0 | S |
| 214.083 | 0.0000 | 0.0000 | 80.786 | 0.12688 | 0.00000 | 602892.1 | 487015.1 | 0.0 | S |
| 214.092 | 0.0000 | 0.0000 | 80.786 | 0.12687 | 0.00000 | 602892.1 | 487018.9 | 0.0 | S |
| 214.100 | 0.0000 | 0.0000 | 80.786 | 0.12686 | 0.00000 | 602892.1 | 487022.7 | 0.0 | S |
| 214.108 | 0.0000 | 0.0000 | 80.786 | 0.12686 | 0.00000 | 602892.1 | 487026.5 | 0.0 | S |
| 214.117 | 0.0000 | 0.0000 | 80.786 | 0.12685 | 0.00000 | 602892.1 | 487030.3 | 0.0 | S |
| 214.125 | 0.0000 | 0.0000 | 80.786 | 0.12685 | 0.00000 | 602892.1 | 487034.1 | 0.0 | S |
| 214.133 | 0.0000 | 0.0000 | 80.785 | 0.12684 | 0.00000 | 602892.1 | 487037.9 | 0.0 | S |
| 214.142 | 0.0000 | 0.0000 | 80.785 | 0.12684 | 0.00000 | 602892.1 | 487041.7 | 0.0 | S |
| 214.150 | 0.0000 | 0.0000 | 80.785 | 0.12683 | 0.00000 | 602892.1 | 487045.5 | 0.0 | S |
| 214.158 | 0.0000 | 0.0000 | 80.785 | 0.12683 | 0.00000 | 602892.1 | 487049.3 | 0.0 | S |
| 214.167 | 0.0000 | 0.0000 | 80.785 | 0.12682 | 0.00000 | 602892.1 | 487053.1 | 0.0 | S |
| 214.175 | 0.0000 | 0.0000 | 80.785 | 0.12682 | 0.00000 | 602892.1 | 487056.9 | 0.0 | S |
| 214.183 | 0.0000 | 0.0000 | 80.785 | 0.12681 | 0.00000 | 602892.1 | 487060.7 | 0.0 | S |
| 214.192 | 0.0000 | 0.0000 | 80.785 | 0.12680 | 0.00000 | 602892.1 | 487064.5 | 0.0 | S |
| 214.200 | 0.0000 | 0.0000 | 80.785 | 0.12680 | 0.00000 | 602892.1 | 487068.3 | 0.0 | S |
| 214.208 | 0.0000 | 0.0000 | 80.785 | 0.12679 | 0.00000 | 602892.1 | 487072.1 | 0.0 | S |
| 214.217 | 0.0000 | 0.0000 | 80.785 | 0.12679 | 0.00000 | 602892.1 | 487075.9 | 0.0 | S |
| 214.225 | 0.0000 | 0.0000 | 80.785 | 0.12678 | 0.00000 | 602892.1 | 487079.8 | 0.0 | S |
| 214.233 | 0.0000 | 0.0000 | 80.785 | 0.12678 | 0.00000 | 602892.1 | 487083.6 | 0.0 | S |
| 214.242 | 0.0000 | 0.0000 | 80.784 | 0.12677 | 0.00000 | 602892.1 | 487087.3 | 0.0 | S |
| 214.250 | 0.0000 | 0.0000 | 80.784 | 0.12677 | 0.00000 | 602892.1 | 487091.2 | 0.0 | S |
| 214.258 | 0.0000 | 0.0000 | 80.784 | 0.12676 | 0.00000 | 602892.1 | 487095.0 | 0.0 | S |
| 214.267 | 0.0000 | 0.0000 | 80.784 | 0.12676 | 0.00000 | 602892.1 | 487098.8 | 0.0 | S |
| 214.275 | 0.0000 | 0.0000 | 80.784 | 0.12675 | 0.00000 | 602892.1 | 487102.6 | 0.0 | S |
| 214.283 | 0.0000 | 0.0000 | 80.784 | 0.12674 | 0.00000 | 602892.1 | 487106.4 | 0.0 | S |
| 214.292 | 0.0000 | 0.0000 | 80.784 | 0.12674 | 0.00000 | 602892.1 | 487110.2 | 0.0 | S |
| 214.300 | 0.0000 | 0.0000 | 80.784 | 0.12673 | 0.00000 | 602892.1 | 487114.0 | 0.0 | S |
| 214.308 | 0.0000 | 0.0000 | 80.784 | 0.12673 | 0.00000 | 602892.1 | 487117.8 | 0.0 | S |
| 214.317 | 0.0000 | 0.0000 | 80.784 | 0.12672 | 0.00000 | 602892.1 | 487121.6 | 0.0 | S |
| 214.325 | 0.0000 | 0.0000 | 80.784 | 0.12672 | 0.00000 | 602892.1 | 487125.4 | 0.0 | S |
| 214.333 | 0.0000 | 0.0000 | 80.784 | 0.12671 | 0.00000 | 602892.1 | 487129.2 | 0.0 | S |
| 214.342 | 0.0000 | 0.0000 | 80.784 | 0.12671 | 0.00000 | 602892.1 | 487133.0 | 0.0 | S |
| 214.350 | 0.0000 | 0.0000 | 80.784 | 0.12670 | 0.00000 | 602892.1 | 487136.8 | 0.0 | S |
| 214.358 | 0.0000 | 0.0000 | 80.783 | 0.12670 | 0.00000 | 602892.1 | 487140.6 | 0.0 | S |
| 214.367 | 0.0000 | 0.0000 | 80.783 | 0.12669 | 0.00000 | 602892.1 | 487144.4 | 0.0 | S |
| 214.375 | 0.0000 | 0.0000 | 80.783 | 0.12668 | 0.00000 | 602892.1 | 487148.2 | 0.0 | S |
| 214.383 | 0.0000 | 0.0000 | 80.783 | 0.12668 | 0.00000 | 602892.1 | 487152.0 | 0.0 | S |
| 214.392 | 0.0000 | 0.0000 | 80.783 | 0.12667 | 0.00000 | 602892.1 | 487155.8 | 0.0 | S |
| 214.400 | 0.0000 | 0.0000 | 80.783 | 0.12667 | 0.00000 | 602892.1 | 487159.6 | 0.0 | S |
| 214.408 | 0.0000 | 0.0000 | 80.783 | 0.12666 | 0.00000 | 602892.1 | 487163.4 | 0.0 | S |
| 214.417 | 0.0000 | 0.0000 | 80.783 | 0.12666 | 0.00000 | 602892.1 | 487167.2 | 0.0 | S |
| 214.425 | 0.0000 | 0.0000 | 80.783 | 0.12665 | 0.00000 | 602892.1 | 487171.0 | 0.0 | S |
| 214.433 | 0.0000 | 0.0000 | 80.783 | 0.12665 | 0.00000 | 602892.1 | 487174.8 | 0.0 | S |
| 214.442 | 0.0000 | 0.0000 | 80.783 | 0.12664 | 0.00000 | 602892.1 | 487178.6 | 0.0 | S |
| 214.450 | 0.0000 | 0.0000 | 80.783 | 0.12664 | 0.00000 | 602892.1 | 487182.4 | 0.0 | S |
| 214.458 | 0.0000 | 0.0000 | 80.783 | 0.12663 | 0.00000 | 602892.1 | 487186.2 | 0.0 | S |
| 214.467 | 0.0000 | 0.0000 | 80.782 | 0.12662 | 0.00000 | 602892.1 | 487190.0 | 0.0 | S |
| 214.475 | 0.0000 | 0.0000 | 80.782 | 0.12662 | 0.00000 | 602892.1 | 487193.8 | 0.0 | S |
| 214.483 | 0.0000 | 0.0000 | 80.782 | 0.12661 | 0.00000 | 602892.1 | 487197.6 | 0.0 | S |
| 214.492 | 0.0000 | 0.0000 | 80.782 | 0.12661 | 0.00000 | 602892.1 | 487201.4 | 0.0 | S |
| 214.500 | 0.0000 | 0.0000 | 80.782 | 0.12660 | 0.00000 | 602892.1 | 487205.2 | 0.0 | S |
| 214.508 | 0.0000 | 0.0000 | 80.782 | 0.12660 | 0.00000 | 602892.1 | 487209.0 | 0.0 | S |
| 214.517 | 0.0000 | 0.0000 | 80.782 | 0.12659 | 0.00000 | 602892.1 | 487212.8 | 0.0 | S |
| 214.525 | 0.0000 | 0.0000 | 80.782 | 0.12659 | 0.00000 | 602892.1 | 487216.6 | 0.0 | S |
| 214.533 | 0.0000 | 0.0000 | 80.782 | 0.12658 | 0.00000 | 602892.1 | 487220.4 | 0.0 | S |
| 214.542 | 0.0000 | 0.0000 | 80.782 | 0.12658 | 0.00000 | 602892.1 | 487224.2 | 0.0 | S |
| 214.550 | 0.0000 | 0.0000 | 80.782 | 0.12657 | 0.00000 | 602892.1 | 487228.0 | 0.0 | S |
| 214.558 | 0.0000 | 0.0000 | 80.782 | 0.12657 | 0.00000 | 602892.1 | 487231.8 | 0.0 | S |
| 214.567 | 0.0000 | 0.0000 | 80.782 | 0.12656 | 0.00000 | 602892.1 | 487235.6 | 0.0 | S |
| 214.575 | 0.0000 | 0.0000 | 80.781 | 0.12655 | 0.00000 | 602892.1 | 487239.3 | 0.0 | S |
| 214.583 | 0.0000 | 0.0000 | 80.781 | 0.12655 | 0.00000 | 602892.1 | 487243.2 | 0.0 | S |
| 214.592 | 0.0000 | 0.0000 | 80.781 | 0.12654 | 0.00000 | 602892.1 | 487246.9 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year $/ 24$ hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (fi/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 214.600 | 0.0000 | 0.0000 | 80.781 | 0.12654 | 0.00000 | 602892.1 | 487250.8 | 0.0 | S |
| 214.608 | 0.0000 | 0.0000 | 80.781 | 0.12653 | 0.00000 | 602892.1 | 487254.5 | 0.0 | S |
| 214.617 | 0.0000 | 0.0000 | 80.781 | 0.12653 | 0.00000 | 602892.1 | 487258.3 | 0.0 | S |
| 214.625 | 0.0000 | 0.0000 | 80.781 | 0.12652 | 0.00000 | 602892.1 | 487262.1 | 0.0 | S |
| 214.633 | 0.0000 | 0.0000 | 80.781 | 0.12652 | 0.00000 | 602892.1 | 487265.9 | 0.0 | S |
| 214.642 | 0.0000 | 0.0000 | 80.781 | 0.12651 | 0.00000 | 602892.1 | 487269.7 | 0.0 | S |
| 214.650 | 0.0000 | 0.0000 | 80.781 | 0.12651 | 0.00000 | 602892.1 | 487273.5 | 0.0 | S |
| 214.658 | 0.0000 | 0.0000 | 80.781 | 0.12650 | 0.00000 | 602892.1 | 487277.3 | 0.0 | S |
| 214.667 | 0.0000 | 0.0000 | 80.781 | 0.12649 | 0.00000 | 602892.1 | 487281.1 | 0.0 | S |
| 214.675 | 0.0000 | 0.0000 | 80.781 | 0.12649 | 0.00000 | 602892.1 | 487284.9 | 0.0 | S |
| 214.683 | 0.0000 | 0.0000 | 80.780 | 0.12648 | 0.00000 | 602892.1 | 487288.7 | 0.0 | S |
| 214.692 | 0.0000 | 0.0000 | 80.780 | 0.12648 | 0.00000 | 602892.1 | 487292.5 | 0.0 | S |
| 214.700 | 0.0000 | 0.0000 | 80.780 | 0.12647 | 0.00000 | 602892.1 | 487296.3 | 0.0 | S |
| 214.708 | 0.0000 | 0.0000 | 80.780 | 0.12647 | 0.00000 | 602892.1 | 487300.1 | 0.0 | 5 |
| 214.717 | 0.0000 | 0.0000 | 80.780 | 0.12646 | 0.00000 | 602892.1 | 487303.9 | 0.0 | S |
| 214.725 | 0.0000 | 0.0000 | 80.780 | 0.12646 | 0.00000 | 602892.1 | 487307.7 | 0.0 | S |
| 214.733 | 0.0000 | 0.0000 | 80.780 | 0.12645 | 0.00000 | 602892.1 | 487311.5 | 0.0 | S |
| 214.742 | 0.0000 | 0.0000 | 80.780 | 0.12645 | 0.00000 | 602892.1 | 487315.3 | 0.0 | S |
| 214.750 | 0.0000 | 0.0000 | 80.780 | 0.12644 | 0.00000 | 602892.1 | 487319.0 | 0.0 | S |
| 214.758 | 0.0000 | 0.0000 | 80.780 | 0.12643 | 0.00000 | 602892.1 | 487322.8 | 0.0 | S |
| 214.767 | 0.0000 | 0.0000 | 80.780 | 0.12643 | 0.00000 | 602892.1 | 487326.6 | 0.0 | S |
| 214.775 | 0.0000 | 0.0000 | 80.780 | 0.12642 | 0.00000 | 602892.7 | 487330.4 | 0.0 | S |
| 214.783 | 0.0000 | 0.0000 | 80.780 | 0.12642 | 0.00000 | 602892.1 | 487334.2 | 0.0 | S |
| 214.792 | 0.0000 | 0.0000 | 80.779 | 0.12641 | 0.00000 | 602892.1 | 487338.0 | 0.0 | S |
| 214.800 | 0.0000 | 0.0000 | 80.779 | 0.12641 | 0.00000 | 602892.1 | 487341.8 | 0.0 | S |
| 214.808 | 0.0000 | 0.0000 | 80.779 | 0.12640 | 0.00000 | 602892.1 | 487345.6 | 0.0 | S |
| 214.817 | 0.0000 | 0.0000 | 80.779 | 0.12640 | 0.00000 | 602892.1 | 487349.4 | 0.0 | S |
| 214.825 | 0.0000 | 0.0000 | 80.779 | 0.12639 | 0.00000 | 602892.1 | 487353.2 | 0.0 | S |
| 214.833 | 0.0000 | 0.0000 | 80.779 | 0.12639 | 0.00000 | 602892.1 | 487357.0 | 0.0 | S |
| 214.842 | 0.0000 | 0.0000 | 80.779 | 0.12638 | 0.00000 | 602892.1 | 487360.8 | 0.0 | S |
| 214.850 | 0.0000 | 0.0000 | 80.779 | 0.12637 | 0.00000 | 602892.1 | 487364.6 | 0.0 | S |
| 214.858 | 0.0000 | 0.0000 | 80.779 | 0.12637 | 0.00000 | 602892.1 | 487368.3 | 0.0 | S |
| 214.867 | 0.0000 | 0.0000 | 80.779 | 0.12636 | 0.00000 | 602892.1 | 487372.1 | 0.0 | S |
| 214.875 | 0.0000 | 0.0000 | 80.779 | 0.12636 | 0.00000 | 602892.1 | 487375.9 | 0.0 | S |
| 214.883 | 0.0000 | 0.0000 | 80.779 | 0.12635 | 0.00000 | 602892.1 | 487379.7 | 0.0 | S |
| 214.892 | 0.0000 | 0.0000 | 80.779 | 0.12635 | 0.00000 | 602892.1 | 487383.5 | 0.0 | S |
| 214.900 | 0.0000 | 0.0000 | 80.778 | 0.12634 | 0.00000 | 602892.1 | 487387.3 | 0.0 | S |
| 214.908 | 0.0000 | 0.0000 | 80.778 | 0.12634 | 0.00000 | 602892.1 | 487391.1 | 0.0 | S |
| 214.917 | 0.0000 | 0.0000 | 80.778 | 0.12633 | 0.00000 | 602892.1 | 487394.9 | 0.0 | S |
| 214.925 | 0.0000 | 0.0000 | 80.778 | 0.12633 | 0.00000 | 602892.1 | 487398.7 | 0.0 | S |
| 214.933 | 0.0000 | 0.0000 | 80.778 | 0.12632 | 0.00000 | 602892.1 | 487402.5 | 0.0 | S |
| 214.942 | 0.0000 | 0.0000 | 80.778 | 0.12632 | 0.00000 | 602892.1 | 487406.3 | 0.0 | S |
| 214.950 | 0.0000 | 0.0000 | 80.778 | 0.12631 | 0.00000 | 602892.1 | 487410.0 | 0.0 | S |
| 214.958 | 0.0000 | 0.0000 | 80.778 | 0.12630 | 0.00000 | 602892.1 | 487413.8 | 0.0 | S |
| 214.967 | 0.0000 | 0.0000 | 80.778 | 0.12630 | 0.00000 | 602892.1 | 487417.6 | 0.0 | S |
| 214.975 | 0.0000 | 0.0000 | 80.778 | 0.12629 | 0.00000 | 602892.1 | 487421.4 | 0.0 | S |
| 214.983 | 0.0000 | 0.0000 | 80.778 | 0.12629 | 0.00000 | 602892.1 | 487425.2 | 0.0 | S |
| 214.992 | 0.0000 | 0.0000 | 80.778 | 0.12628 | 0.00000 | 602892.1 | 487429.0 | 0.0 | S |
| 215.000 | 0.0000 | 0.0000 | 80.778 | 0.12628 | 0.00000 | 602892.1 | 487432.8 | 0.0 | S |
| 215.008 | 0.0000 | 0.0000 | 80.778 | 0.12627 | 0.00000 | 602892.1 | 487436.6 | 0.0 | S |
| 215.017 | 0.0000 | 0.0000 | 80.777 | 0.12627 | 0.00000 | 602892.1 | 487440.3 | 0.0 | S |
| 215.025 | 0.0000 | 0.0000 | 80.777 | 0.12626 | 0.00000 | 602892.1 | 487444.1 | 0.0 | S |
| 215.033 | 0.0000 | 0.0000 | 80.777 | 0.12626 | 0.00000 | 602892.1 | 487447.9 | 0.0 | S |
| 215.042 | 0.0000 | 0.0000 | 80.777 | 0.12625 | 0.00000 | 602892.1 | 487451.7 | 0.0 | S |
| 215.050 | 0.0000 | 0.0000 | 80.777 | 0.12624 | 0.00000 | 602892.1 | 487455.5 | 0.0 | S |
| 215.058 | 0.0000 | 0.0000 | 80.777 | 0.12624 | 0.00000 | 602892.1 | 487459.3 | 0.0 | S |
| 215.067 | 0.0000 | 0.0000 | 80.777 | 0.12623 | 0.00000 | 602892.1 | 487463.1 | 0.0 | S |
| 215.075 | 0.0000 | 0.0000 | 80.777 | 0.12623 | 0.00000 | 602892.1 | 487466.8 | 0.0 | S |
| 215.083 | 0.0000 | 0.0000 | 80.777 | 0.12622 | 0.00000 | 602892.1 | 487470.6 | 0.0 | S |
| 215.092 | 0.0000 | 0.0000 | 80.777 | 0.12622 | 0.00000 | 602892.1 | 487474.4 | 0.0 | S |
| 215.100 | 0.0000 | 0.0000 | 80.777 | 0.12621 | 0.00000 | 602892.1 | 487478.2 | 0.0 | S |
| 215.108 | 0.0000 | 0.0000 | 80.777 | 0.12621 | 0.00000 | 602892.1 | 487482.0 | 0.0 | S |
| 215.117 | 0.0000 | 0.0000 | 80.777 | 0.12620 | 0.00000 | 602892.1 | 487485.8 | 0.0 | S |
| 215.125 | 0.0000 | 0.0000 | 80.776 | 0.12620 | 0.00000 | 602892.1 | 487489.6 | 0.0 | S |
| 215.133 | 0.0000 | 0.0000 | 80.776 | 0.12619 | 0.00000 | 602892.1 | 487493.3 | 0.0 | S |
| 215.142 | 0.0000 | 0.0000 | 80.776 | 0.12619 | 0.00000 | 602892.1 | 487497.2 | 0.0 | S |
| 215.150 | 0.0000 | 0.0000 | 80.776 | 0.12618 | 0.00000 | 602892.1 | 487500.9 | 0.0 | S |
| 215.158 | 0.0000 | 0.0000 | 80.776 | 0.12617 | 0.00000 | 602892.1 | 487504.7 | 0.0 | S |
| 215.167 | 0.0000 | 0.0000 | 80.776 | 0.12617 | 0.00000 | 602892.1 | 487508.5 | 0.0 | S |
| 215.175 | 0.0000 | 0.0000 | 80.776 | 0.12616 | 0.00000 | 602892.1 | 487512.3 | 0.0 | S |
| 215.183 | 0.0000 | 0.0000 | 80.776 | 0.12616 | 0.00000 | 602892.1 | 487516.1 | 0.0 | S |
| 215.192 | 0.0000 | 0.0000 | 80.776 | 0.12615 | 0.00000 | 602892.1 | 487519.8 | 0.0 | S |
| 215.200 | 0.0000 | 0.0000 | 80.776 | 0.12615 | 0.00000 | 602892.1 | 487523.6 | 0.0 | S |
| 215.208 | 0.0000 | 0.0000 | 80.776 | 0.12614 | 0.00000 | 602892.1 | 487527.4 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond 9100 year $/ 24$ hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (fl/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{H}^{3 / 5}$ ) | Cumulative Inflow Volume ( $\mathrm{n}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 215.217 | 0.0000 | 0.0000 | 80.776 | 0.12614 | 0.00000 | 602892.1 | 487531.2 | 0.0 | S |
| 215.225 | 0.0000 | 0.0000 | 80.776 | 0.12613 | 0.00000 | 602892.1 | 487535.0 | 0.0 | S |
| 215.233 | 0.0000 | 0.0000 | 80.775 | 0.12613 | 0.00000 | 602892.1 | 487538.8 | 0.0 | S |
| 215.242 | 0.0000 | 0.0000 | 80.775 | 0.12612 | 0.00000 | 602892.1 | 487542.6 | 0.0 | S |
| 215.250 | 0.0000 | 0.0000 | 80.775 | 0.12612 | 0.00000 | 602892.1 | 487546.3 | 0.0 | S |
| 215.258 | 0.0000 | 0.0000 | 80.775 | 0.12611 | 0.00000 | 602892.1 | 487550.1 | 0.0 | S |
| 215.267 | 0.0000 | 0.0000 | 80.775 | 0.12610 | 0.00000 | 602892.1 | 487553.9 | 0.0 | S |
| 215.275 | 0.0000 | 0.0000 | 80.775 | 0.12610 | 0.00000 | 602892.1 | 487557.7 | 0.0 | S |
| 215.283 | 0.0000 | 0.0000 | 80.775 | 0.12609 | 0.00000 | 602892.1 | 487561.5 | 0.0 | S |
| 215.292 | 0.0000 | 0.0000 | 80.775 | 0.12609 | 0.00000 | 602892.1 | 487565.3 | 0.0 | S |
| 215.300 | 0.0000 | 0.0000 | 80.775 | 0.12608 | 0.00000 | 602892.1 | 487569.0 | 0.0 | S |
| 215.308 | 0.0000 | 0.0000 | 80.775 | 0.12608 | 0.00000 | 602892.1 | 487572.8 | 0.0 | S |
| 215.317 | 0.0000 | 0.0000 | 80.775 | 0.12607 | 0.00000 | 602892.1 | 487576.6 | 0.0 | S |
| 215.325 | 0.0000 | 0.0000 | 80.775 | 0.12607 | 0.00000 | 602892.1 | 487580.4 | 0.0 | S |
| 215.333 | 0.0000 | 0.0000 | 80.775 | 0.12606 | 0.00000 | 602892.1 | 487584.2 | 0.0 | S |
| 215.342 | 0.0000 | 0.0000 | 80.774 | 0.12606 | 0.00000 | 602892.1 | 487587.9 | 0.0 | S |
| 215.350 | 0.0000 | 0.0000 | 80.774 | 0.12605 | 0.00000 | 602892.1 | 487591.7 | 0.0 | S |
| 215.358 | 0.0000 | 0.0000 | 80.774 | 0.12604 | 0.00000 | 602892.1 | 487595.5 | 0.0 | S |
| 215.367 | 0.0000 | 0.0000 | 80.774 | 0.12604 | 0.00000 | 602892.1 | 487599.3 | 0.0 | S |
| 215.375 | 0.0000 | 0.0000 | 80.774 | 0.12603 | 0.00000 | 602892.1 | 487603.1 | 0.0 | S |
| 215.383 | 0.0000 | 0.0000 | 80.774 | 0.12603 | 0.00000 | 602892.1 | 487606.8 | 0.0 | S |
| 215.392 | 0.0000 | 0.0000 | 80.774 | 0.12602 | 0.00000 | 602892.1 | 487610.6 | 0.0 | S |
| 215.400 | 0.0000 | 0.0000 | 80.774 | 0.12602 | 0.00000 | 602892.1 | 487614.4 | 0.0 | S |
| 215.408 | 0.0000 | 0.0000 | 80.774 | 0.12601 | 0.00000 | 602892.1 | 487618.2 | 0.0 | S |
| 215.417 | 0.0000 | 0.0000 | 80.774 | 0.12601 | 0.00000 | 602892.1 | 487622.0 | 0.0 | S |
| 215.425 | 0.0000 | 0.0000 | 80.774 | 0.12600 | 0.00000 | 602892.1 | 487625.8 | 0.0 | S |
| 215.433 | 0.0000 | 0.0000 | 80.774 | 0.12600 | 0.00000 | 602892.1 | 487629.5 | 0.0 | S |
| 215.442 | 0.0000 | 0.0000 | 80.774 | 0.12599 | 0.00000 | 602892.1 | 487633.3 | 0.0 | S |
| 215.450 | 0.0000 | 0.0000 | 80.773 | 0.12599 | 0.00000 | 602892.1 | 487637.1 | 0.0 | S |
| 215.458 | 0.0000 | 0.0000 | 80.773 | 0.12598 | 0.00000 | 602892.1 | 487640.9 | 0.0 | S |
| 215.467 | 0.0000 | 0.0000 | 80.773 | 0.12597 | 0.00000 | 602892.1 | 487644.7 | 0.0 | S |
| 215.475 | 0.0000 | 0.0000 | 80.773 | 0.12597 | 0.00000 | 602892.1 | 487648.4 | 0.0 | S |
| 215.483 | 0.0000 | 0.0000 | 80.773 | 0.12596 | 0.00000 | 602892.1 | 487652.2 | 0.0 | S |
| 215.492 | 0.0000 | 0.0000 | 80.773 | 0.12596 | 0.00000 | 602892.1 | 487656.0 | 0.0 | S |
| 215.500 | 0.0000 | 0.0000 | 80.773 | 0.12595 | 0.00000 | 602892.1 | 487659.8 | 0.0 | S |
| 215.508 | 0.0000 | 0.0000 | 80.773 | 0.12595 | 0.00000 | 602892.1 | 487663.6 | 0.0 | S |
| 215.517 | 0.0000 | 0.0000 | 80.773 | 0.12594 | 0.00000 | 602892.1 | 487667.3 | 0.0 | S |
| 215.525 | 0.0000 | 0.0000 | 80.773 | 0.12594 | 0.00000 | 602892.1 | 487671.1 | 0.0 | S |
| 215.533 | 0.0000 | 0.0000 | 80.773 | 0.12593 | 0.00000 | 602892.1 | 487674.9 | 0.0 | S |
| 215.542 | 0.0000 | 0.0000 | 80.773 | 0.12593 | 0.00000 | 602892.1 | 487678.7 | 0.0 | S |
| 215.550 | 0.0000 | 0.0000 | 80.773 | 0.12592 | 0.00000 | 602892.1 | 487682.4 | 0.0 | S |
| 215.558 | 0.0000 | 0.0000 | 80.773 | 0.12592 | 0.00000 | 602892.1 | 487686.2 | 0.0 | S |
| 215.567 | 0.0000 | 0.0000 | 80.772 | 0.12591 | 0.00000 | 602892.1 | 487690.0 | 0.0 | S |
| 215.575 | 0.0000 | 0.0000 | 80.772 | 0.12590 | 0.00000 | 602892.1 | 487693.8 | 0.0 | S |
| 215.583 | 0.0000 | 0.0000 | 80.772 | 0.12590 | 0.00000 | 602892.1 | 487697.6 | 0.0 | S |
| 215.592 | 0.0000 | 0.0000 | 80.772 | 0.12589 | 0.00000 | 602892.1 | 487701.3 | 0.0 | S |
| 215.600 | 0.0000 | 0.0000 | 80.772 | 0.12589 | 0.00000 | 602892.1 | 487705.1 | 0.0 | S |
| 215.608 | 0.0000 | 0.0000 | 80.772 | 0.12588 | 0.00000 | 602892.1 | 487708.9 | 0.0 | S |
| 215.617 | 0.0000 | 0.0000 | 80.772 | 0.12588 | 0.00000 | 602892.1 | 487712.7 | 0.0 | S |
| 215.625 | 0.0000 | 0.0000 | 80.772 | 0.12587 | 0.00000 | 602892.1 | 487716.4 | 0.0 | S |
| 215.633 | 0.0000 | 0.0000 | 80.772 | 0.12587 | 0.00000 | 602892.1 | 487720.2 | 0.0 | S |
| 215.642 | 0.0000 | 0.0000 | 80.772 | 0.12586 | 0.00000 | 602892.1 | 487724.0 | 0.0 | S |
| 215.650 | 0.0000 | 0.0000 | 80.772 | 0.12586 | 0.00000 | 602892.1 | 487727.8 | 0.0 | S |
| 215.658 | 0.0000 | 0.0000 | 80.772 | 0.12585 | 0.00000 | 602892.1 | 487731.5 | 0.0 | S |
| 215.667 | 0.0000 | 0.0000 | 80.772 | 0.12585 | 0.00000 | 602892.1 | 487735.3 | 0.0 | S |
| 215.675 | 0.0000 | 0.0000 | 80.771 | 0.12584 | 0.00000 | 602892.1 | 487739.1 | 0.0 | S |
| 215.683 | 0.0000 | 0.0000 | 80,771 | 0.12583 | 0.00000 | 602892.1 | 487742.9 | 0.0 | S |
| 215.692 | 0.0000 | 0.0000 | 80.771 | 0.12583 | 0.00000 | 602892.1 | 487746.6 | 0.0 | S |
| 215.700 | 0.0000 | 0.0000 | 80.771 | 0.12582 | 0.00000 | 602892.1 | 487750.4 | 0.0 | S |
| 215.708 | 0.0000 | 0.0000 | 80.771 | 0.12582 | 0.00000 | 602892.1 | 487754.2 | 0.0 | S |
| 215.717 | 0.0000 | 0.0000 | 80.771 | 0.12581 | 0.00000 | 602892.1 | 487758.0 | 0.0 | S |
| 215.725 | 0.0000 | 0.0000 | 80.771 | 0.12581 | 0.00000 | 602892.1 | 487761.8 | 0.0 | S |
| 215.733 | 0.0000 | 0.0000 | 80.771 | 0.12580 | 0.00000 | 602892.1 | 487765.5 | 0.0 | S |
| 215.742 | 0.0000 | 0.0000 | 80.771 | 0.12580 | 0.00000 | 602892.1 | 487769.3 | 0.0 | S |
| 215.750 | 0.0000 | 0.0000 | 80.771 | 0.12579 | 0.00000 | 602892.1 | 487773.1 | 0.0 | S |
| 215.758 | 0.0000 | 0.0000 | 80.771 | 0.12579 | 0.00000 | 602892.1 | 487776.8 | 0.0 | S |
| 215.767 | 0.0000 | 0.0000 | 80.771 | 0.12578 | 0.00000 | 602892.1 | 487780.6 | 0.0 | S |
| 215.775 | 0.0000 | 0.0000 | 80.771 | 0.12578 | 0.00000 | 602892.1 | 487784.4 | 0.0 | S |
| 215.783 | 0.0000 | 0.0000 | 80.770 | 0.12577 | 0.00000 | 602892.1 | 487788.2 | 0.0 | S |
| 215.792 | 0.0000 | 0.0000 | 80.770 | 0.12576 | 0.00000 | 602892.1 | 487791.9 | 0.0 | S |
| 215.800 | 0.0000 | 0.0000 | 80.770 | 0.12576 | 0.00000 | 602892.1 | 487795.7 | 0.0 | S |
| 215.808 | 0.0000 | 0.0000 | 80.770 | 0.12575 | 0.00000 | 602892.1 | 487799.5 | 0.0 | S |
| 215.817 | 0.0000 | 0.0000 | 80.770 | 0.12575 | 0.00000 | 602892.1 | 487803.3 | 0.0 | S |
| 215.825 | 0.0000 | 0.0000 | 80.770 | 0.12574 | 0.00000 | 602892.1 | 487807.0 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overlow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 215.833 | 0.0000 | 0.0000 | 80.770 | 0.12574 | 0.00000 | 602892.1 | 487810.8 | 0.0 | S |
| 215.842 | 0.0000 | 0.0000 | 80.770 | 0.12573 | 0.00000 | 602892.1 | 487814.6 | 0.0 | S |
| 215.850 | 0.0000 | 0.0000 | 80.770 | 0.12573 | 0.00000 | 602892.1 | 487818.3 | 0.0 | S |
| 215.858 | 0.0000 | 0.0000 | 80.770 | 0.12572 | 0.00000 | 602892.1 | 487822.1 | 0.0 | S |
| 215.867 | 0.0000 | 0.0000 | 80.770 | 0.12572 | 0.00000 | 602892.1 | 487825.9 | 0.0 | S |
| 215.875 | 0.0000 | 0.0000 | 80.770 | 0.12571 | 0.00000 | 602892.1 | 487829.7 | 0.0 | S |
| 215.883 | 0.0000 | 0.0000 | 80.770 | 0.12571 | 0.00000 | 602892.1 | 487833.4 | 0.0 | S |
| 215.892 | 0.0000 | 0.0000 | 80.769 | 0.12570 | 0.00000 | 602892.1 | 487837.2 | 0.0 | S |
| 215.900 | 0.0000 | 0.0000 | 80.769 | 0.12569 | 0.00000 | 602892.1 | 487841.0 | 0.0 | S |
| 215.908 | 0.0000 | 0.0000 | 80.769 | 0.12569 | 0.00000 | 602892.1 | 487844.7 | 0.0 | S |
| 215.917 | 0.0000 | 0.0000 | 80.769 | 0.12568 | 0.00000 | 602892.1 | 487848.5 | 0.0 | S |
| 215.925 | 0.0000 | 0.0000 | 80.769 | 0.12568 | 0.00000 | 602892.1 | 487852.3 | 0.0 | S |
| 215.933 | 0.0000 | 0.0000 | 80.769 | 0.12567 | 0.00000 | 602892.1 | 487856.0 | 0.0 | S |
| 215.942 | 0.0000 | 0.0000 | 80.769 | 0.12567 | 0.00000 | 602892.1 | 487859.8 | 0.0 | S |
| 215.950 | 0.0000 | 0.0000 | 80.769 | 0.12566 | 0.00000 | 602892.1 | 487863.6 | 0.0 | S |
| 215.958 | 0.0000 | 0.0000 | 80.769 | 0.12566 | 0.00000 | 602892.1 | 487867.3 | 0.0 | S |
| 215.967 | 0.0000 | 0.0000 | 80.769 | 0.12565 | 0.00000 | 602892.1 | 487871.1 | 0.0 | S |
| 215.975 | 0.0000 | 0.0000 | 80.769 | 0.12565 | 0.00000 | 602892.1 | 487874.9 | 0.0 | S |
| 215.983 | 0.0000 | 0.0000 | 80.769 | 0.12564 | 0.00000 | 602892.1 | 487878.7 | 0.0 | S |
| 215.992 | 0.0000 | 0.0000 | 80.769 | 0.12564 | 0.00000 | 602892.1 | 487882.4 | 0.0 | S |
| 216.000 | 0.0000 | 0.0000 | 80.768 | 0.12563 | 0.00000 | 602892.1 | 487886.2 | 0.0 | S |
| 216.008 | 0.0000 | 0.0000 | 80.768 | 0.12562 | 0.00000 | 602892.1 | 487890.0 | 0.0 | S |
| 216.017 | 0.0000 | 0.0000 | 80.768 | 0.12562 | 0.00000 | 602892.1 | 487893.8 | 0.0 | S |
| 216.025 | 0.0000 | 0.0000 | 80.768 | 0.12561 | 0.00000 | 602892.1 | 487897.5 | 0.0 | S |
| 216.033 | 0.0000 | 0.0000 | 80.768 | 0.12561 | 0.00000 | 602892.1 | 487901.3 | 0.0 | S |
| 216.042 | 0.0000 | 0.0000 | 80.768 | 0.12560 | 0.00000 | 602892.1 | 487905.0 | 0.0 | S |
| 216.050 | 0.0000 | 0.0000 | 80.768 | 0.12560 | 0.00000 | 602892.1 | 487908.8 | 0.0 | S |
| 216.058 | 0.0000 | 0.0000 | 80.768 | 0.12559 | 0.00000 | 602892.1 | 487912.6 | 0.0 | S |
| 216.067 | 0.0000 | 0.0000 | 80.768 | 0.12559 | 0.00000 | 602892.1 | 487916.3 | 0.0 | S |
| 216.075 | 0.0000 | 0.0000 | 80.768 | 0.12558 | 0.00000 | 602892.1 | 487920.1 | 0.0 | S |
| 216.083 | 0.0000 | 0.0000 | 80.768 | 0.12558 | 0.00000 | 602892.1 | 487923.9 | 0.0 | S |
| 216.092 | 0.0000 | 0.0000 | 80.768 | 0.12557 | 0.00000 | 602892.1 | 487927.7 | 0.0 | S |
| 216.100 | 0.0000 | 0.0000 | 80.768 | 0.12557 | 0.00000 | 602892.1 | 487931.4 | 0.0 | S |
| 216.108 | 0.0000 | 0.0000 | 80.768 | 0.12556 | 0.00000 | 602892.1 | 487935.2 | 0.0 | S |
| 216.117 | 0.0000 | 0.0000 | 80.767 | 0.12555 | 0.00000 | 602892.1 | 487938.9 | 0.0 | S |
| 216.125 | 0.0000 | 0.0000 | 80.767 | 0.12555 | 0.00000 | 602892.1 | 487942.7 | 0.0 | S |
| 216.133 | 0.0000 | 0.0000 | 80.767 | 0.12554 | 0.00000 | 602892.1 | 487946.5 | 0.0 | S |
| 216.142 | 0.0000 | 0.0000 | 80.767 | 0.12554 | 0.00000 | 602892.1 | 487950.3 | 0.0 | S |
| 216.150 | 0.0000 | 0.0000 | 80.767 | 0.12553 | 0.00000 | 602892.1 | 487954.0 | 0.0 | S |
| 216.158 | 0.0000 | 0.0000 | 80.767 | 0.12553 | 0.00000 | 602892.1 | 487957.8 | 0.0 | S |
| 216.167 | 0.0000 | 0.0000 | 80.767 | 0.12552 | 0.00000 | 602892.1 | 487961.5 | 0.0 | S |
| 216.175 | 0.0000 | 0.0000 | 80.767 | 0.12552 | 0.00000 | 602892.1 | 487965.3 | 0.0 | S |
| 216.183 | 0.0000 | 0.0000 | 80.767 | 0.12551 | 0.00000 | 602892.1 | 487969.1 | 0.0 | S |
| 216.192 | 0.0000 | 0.0000 | 80.767 | 0.12551 | 0.00000 | 602892.1 | 487972.8 | 0.0 | S |
| 216.200 | 0.0000 | 0.0000 | 80.767 | 0.12550 | 0.00000 | 602892.1 | 487976.6 | 0.0 | S |
| 216.208 | 0.0000 | 0.0000 | 80.767 | 0.12550 | 0.00000 | 602892.1 | 487980.4 | 0.0 | S |
| 216.217 | 0.0000 | 0.0000 | 80.767 | 0.12549 | 0.00000 | 602892.1 | 487984.1 | 0.0 | S |
| 216.225 | 0.0000 | 0.0000 | 80.766 | 0.12549 | 0.00000 | 602892.1 | 487987.9 | 0.0 | S |
| 216.233 | 0.0000 | 0.0000 | 80.766 | 0.12548 | 0.00000 | 602892.1 | 487991.7 | 0.0 | S |
| 216.242 | 0.0000 | 0.0000 | 80.766 | 0.12547 | 0.00000 | 602892.1 | 487995.4 | 0.0 | S |
| 216.250 | 0.0000 | 0.0000 | 80.766 | 0.12547 | 0.00000 | 602892.1 | 487999.2 | 0.0 | S |
| 216.258 | 0.0000 | 0.0000 | 80.766 | 0.12546 | 0.00000 | 602892.1 | 488003.0 | 0.0 | S |
| 216.267 | 0.0000 | 0.0000 | 80.766 | 0.12546 | 0.00000 | 602892.1 | 488006.7 | 0.0 | S |
| 216.275 | 0.0000 | 0.0000 | 80.766 | 0.12545 | 0.00000 | 602892.1 | 488010.5 | 0.0 | S |
| 216.283 | 0.0000 | 0.0000 | 80.766 | 0.12545 | 0.00000 | 602892.1 | 488014.3 | 0.0 | S |
| 216.292 | 0.0000 | 0.0000 | 80.766 | 0.12544 | 0.00000 | 602892.1 | 488018.0 | 0.0 | S |
| 216.300 | 0.0000 | 0.0000 | 80.766 | 0.12544 | 0.00000 | 602892.1 | 488021.8 | 0.0 | S |
| 216.308 | 0.0000 | 0.0000 | 80.766 | 0.12543 | 0.00000 | 602892.1 | 488025.5 | 0.0 | S |
| 216.317 | 0.0000 | 0.0000 | 80.766 | 0.12543 | 0.00000 | 602892.1 | 488029.3 | 0.0 | S |
| 216.325 | 0.0000 | 0.0000 | 80.766 | 0.12542 | 0.00000 | 602892.1 | 488033.1 | 0.0 | S |
| 216.333 | 0.0000 | 0.0000 | 80.765 | 0.12542 | 0.00000 | 602892.1 | 488036.8 | 0.0 | S |
| 216.342 | 0.0000 | 0.0000 | 80.765 | 0.12541 | 0.00000 | 602892.1 | 488040.6 | 0.0 | S |
| 216.350 | 0.0000 | 0.0000 | 80.765 | 0.12540 | 0.00000 | 602892.1 | 488044.3 | 0.0 | S |
| 216.358 | 0.0000 | 0.0000 | 80.765 | 0.12540 | 0.00000 | 602892.1 | 488048.1 | 0.0 | S |
| 216.367 | 0.0000 | 0.0000 | 80.765 | 0.12539 | 0.00000 | 602892.1 | 488051.9 | 0.0 | S |
| 216.375 | 0.0000 | 0.0000 | 80.765 | 0.12539 | 0.00000 | 602892.1 | 488055.6 | 0.0 | S |
| 216.383 | 0.0000 | 0.0000 | 80.765 | 0.12538 | 0.00000 | 602892.1 | 488059.4 | 0.0 | S |
| 216.392 | 0.0000 | 0.0000 | 80.765 | 0.12538 | 0.00000 | 602892.1 | 488063.2 | 0.0 | S |
| 216.400 | 0.0000 | 0.0000 | 80.765 | 0.12537 | 0.00000 | 602892.1 | 488066.9 | 0.0 | S |
| 216.408 | 0.0000 | 0.0000 | 80.765 | 0.12537 | 0.00000 | 602892.1 | 488070.7 | 0.0 | S |
| 216.417 | 0.0000 | 0.0000 | 80.765 | 0.12536 | 0.00000 | 602892.1 | 488074.4 | 0.0 | S |
| 216.425 | 0.0000 | 0.0000 | 80.765 | 0.12536 | 0.00000 | 602892.1 | 488078.2 | 0.0 | S |
| 216.433 | 0.0000 | 0.0000 | 80.765 | 0.12535 | 0.00000 | 602892.1 | 488082.0 | 0.0 | S |
| 216.442 | 0.0000 | 0.0000 | 80.764 | 0.12535 | 0.00000 | 602892.1 | 488085.7 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method

Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overifow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\left\{\mathrm{h}^{3}\right.$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 216.450 | 0.0000 | 0.0000 | 80.764 | 0.12534 | 0.00000 | 602892.1 | 488089.5 | 0.0 | S |
| 216.458 | 0.0000 | 0.0000 | 80.764 | 0.12534 | 0.00000 | 602892.1 | 488093.3 | 0.0 | S |
| 216.467 | 0.0000 | 0.0000 | 80.764 | 0.12533 | 0.00000 | 602892.1 | 488097.0 | 0.0 | S |
| 216.475 | 0.0000 | 0.0000 | 80.764 | 0.12532 | 0.00000 | 602892.1 | 488100.8 | 0.0 | S |
| 216.483 | 0.0000 | 0.0000 | 80.764 | 0.12532 | 0.00000 | 602892.1 | 488104.5 | 0.0 | S |
| 216.492 | 0.0000 | 0.0000 | 80.764 | 0.12531 | 0.00000 | 602892.1 | 488108.3 | 0.0 | S |
| 216.500 | 0.0000 | 0.0000 | 80.764 | 0.12531 | 0.00000 | 602892.1 | 488112.0 | 0.0 | S |
| 216.508 | 0.0000 | 0.0000 | 80.764 | 0.12530 | 0.00000 | 602892.1 | 488115.8 | 0.0 | S |
| 216.517 | 0.0000 | 0.0000 | 80.764 | 0.12530 | 0.00000 | 602892.1 | 488119.6 | 0.0 | S |
| 216.525 | 0.0000 | 0.0000 | 80.764 | 0.12529 | 0.00000 | 602892.1 | 488123.3 | 0.0 | S |
| 216.533 | 0.0000 | 0.0000 | 80.764 | 0.12529 | 0.00000 | 602892.1 | 488127.1 | 0.0 | S |
| 216.542 | 0.0000 | 0.0000 | 80.764 | 0.12528 | 0.00000 | 602892.1 | 488130.8 | 0.0 | S |
| 216.550 | 0.0000 | 0.0000 | 80.764 | 0.12528 | 0.00000 | 602892.1 | 488134.6 | 0.0 | S |
| 216.558 | 0.0000 | 0.0000 | 80.763 | 0.12527 | 0.00000 | 602892.1 | 488138.3 | 0.0 | S |
| 216.567 | 0.0000 | 0.0000 | 80.763 | 0.12527 | 0.00000 | 602892.1 | 488142.1 | 0.0 | S |
| 216.575 | 0.0000 | 0.0000 | 80.763 | 0.12526 | 0.00000 | 602892.1 | 488145.9 | 0.0 | S |
| 216.583 | 0.0000 | 0.0000 | 80.763 | 0.12526 | 0.00000 | 602892.1 | 488149.6 | 0.0 | S |
| 216.592 | 0.0000 | 0.0000 | 80.763 | 0.12525 | 0.00000 | 602892.1 | 488153.4 | 0.0 | S |
| 216.600 | 0.0000 | 0.0000 | 80.763 | 0.12524 | 0.00000 | 602892.1 | 488157.2 | 0.0 | S |
| 216.608 | 0.0000 | 0.0000 | 80.763 | 0.12524 | 0.00000 | 602892.1 | 488160.9 | 0.0 | S |
| 216.617 | 0.0000 | 0.0000 | 80.763 | 0.12523 | 0.00000 | 602892.1 | 488164.7 | 0.0 | S |
| 216.625 | 0.0000 | 0.0000 | 80.763 | 0.12523 | 0.00000 | 602892.1 | 488168.4 | 0.0 | S |
| 216.633 | 0.0000 | 0.0000 | 80.763 | 0.12522 | 0.00000 | 602892.1 | 488172.2 | 0.0 | S |
| 216.642 | 0.0000 | 0.0000 | 80.763 | 0.12522 | 0.00000 | 602892.1 | 488175.9 | 0.0 | S |
| 216.650 | 0.0000 | 0.0000 | 80.763 | 0.12521 | 0.00000 | 602892.1 | 488179.7 | 0.0 | S |
| 216.658 | 0.0000 | 0.0000 | 80.763 | 0.12521 | 0.00000 | 602892.1 | 488183.4 | 0.0 | S |
| 216.667 | 0.0000 | 0.0000 | 80.762 | 0.12520 | 0.00000 | 602892.1 | 488187.2 | 0.0 | S |
| 216.675 | 0.0000 | 0.0000 | 80.762 | 0.12520 | 0.00000 | 602892.1 | 488190.9 | 0.0 | S |
| 216.683 | 0.0000 | 0.0000 | 80.762 | 0.12519 | 0.00000 | 602892.1 | 488194.7 | 0.0 | S |
| 216.692 | 0.0000 | 0.0000 | 80.762 | 0.12519 | 0.00000 | 602892.1 | 488198.5 | 0.0 | S |
| 216.700 | 0.0000 | 0.0000 | 80.762 | 0.12518 | 0.00000 | 602892.1 | 488202.2 | 0.0 | S |
| 216.708 | 0.0000 | 0.0000 | 80.762 | 0.12518 | 0.00000 | 602892.1 | 488206.0 | 0.0 | S |
| 216.717 | 0.0000 | 0.0000 | 80.762 | 0.12517 | 0.00000 | 602892.1 | 488209.7 | 0.0 | S |
| 216.725 | 0.0000 | 0.0000 | 80.762 | 0.12516 | 0.00000 | 602892.1 | 488213.5 | 0.0 | S |
| 216.733 | 0.0000 | 0.0000 | 80.762 | 0.12516 | 0.00000 | 602892.1 | 488217.3 | 0.0 | S |
| 216.742 | 0.0000 | 0.0000 | 80.762 | 0.12515 | 0.00000 | 602892.1 | 488221.0 | 0.0 | S |
| 216.750 | 0.0000 | 0.0000 | 80.762 | 0.12515 | 0.00000 | 602892.1 | 488224.8 | 0.0 | S |
| 216.758 | 0.0000 | 0.0000 | 80.762 | 0.12514 | 0.00000 | 602892.1 | 488228.5 | 0.0 | S |
| 216.767 | 0.0000 | 0.0000 | 80.762 | 0.12514 | 0.00000 | 602892.1 | 488232.3 | 0.0 | S |
| 216.775 | 0.0000 | 0.0000 | 80.761 | 0.12513 | 0.00000 | 602892.1 | 488236.0 | 0.0 | S |
| 216.783 | 0.0000 | 0.0000 | 80.761 | 0.12513 | 0.00000 | 602892.1 | 488239.8 | 0.0 | S |
| 216.792 | 0.0000 | 0.0000 | 80.761 | 0.12512 | 0.00000 | 602892.1 | 488243.5 | 0.0 | S |
| 216.800 | 0.0000 | 0.0000 | 80.761 | 0.12512 | 0.00000 | 602892.1 | 488247.3 | 0.0 | S |
| 216.808 | 0.0000 | 0.0000 | 80.761 | 0.12511 | 0.00000 | 602892.1 | 488251.0 | 0.0 | S |
| 216.817 | 0.0000 | 0.0000 | 80.761 | 0.12511 | 0.00000 | 602892.1 | 488254.8 | 0.0 | S |
| 216.825 | 0.0000 | 0.0000 | 80.761 | 0.12510 | 0.00000 | 602892.1 | 488258.5 | 0.0 | S |
| 216.833 | 0.0000 | 0.0000 | 80.761 | 0.12509 | 0.00000 | 602892.1 | 488262.3 | 0.0 | S |
| 216.842 | 0.0000 | 0.0000 | 80.761 | 0.12509 | 0.00000 | 602892.1 | 488266.0 | 0.0 | S |
| 216.850 | 0.0000 | 0.0000 | 80.761 | 0.12508 | 0.00000 | 602892.1 | 488269.8 | 0.0 | S |
| 216.858 | 0.0000 | 0.0000 | 80.761 | 0.12508 | 0.00000 | 602892.1 | 488273.5 | 0.0 | S |
| 216.867 | 0.0000 | 0.0000 | 80.761 | 0.12507 | 0.00000 | 602892.1 | 488277.3 | 0.0 | S |
| 216.875 | 0.0000 | 0.0000 | 80.761 | 0.12507 | 0.00000 | 602892.1 | 488281.0 | 0.0 | S |
| 216.883 | 0.0000 | 0.0000 | 80.760 | 0.12506 | 0.00000 | 602892.1 | 488284.8 | 0.0 | S |
| 216.892 | 0.0000 | 0.0000 | 80.760 | 0.12506 | 0.00000 | 602892.1 | 488288.6 | 0.0 | S |
| 216.900 | 0.0000 | 0.0000 | 80.760 | 0.12505 | 0.00000 | 602892.1 | 488292.3 | 0.0 | S |
| 216.908 | 0.0000 | 0.0000 | 80.760 | 0.12505 | 0.00000 | 602892.1 | 488296.1 | 0.0 | S |
| 216.917 | 0.0000 | 0.0000 | 80.760 | 0.12504 | 0.00000 | 602892.1 | 488299.8 | 0.0 | S |
| 216.925 | 0.0000 | 0.0000 | 80.760 | 0.12504 | 0.00000 | 602892.1 | 488303.6 | 0.0 | S |
| 216.933 | 0.0000 | 0.0000 | 80.760 | 0.12503 | 0.00000 | 602892.1 | 488307.3 | 0.0 | S |
| 216.942 | 0.0000 | 0.0000 | 80.760 | 0.12503 | 0.00000 | 602892.1 | 488311.1 | 0.0 | S |
| 216.950 | 0.0000 | 0.0000 | 80.760 | 0.12502 | 0.00000 | 602892.1 | 488314.8 | 0.0 | S |
| 216.958 | 0.0000 | 0.0000 | 80.760 | 0.12502 | 0.00000 | 602892.1 | 488318.6 | 0.0 | S |
| 216.967 | 0.0000 | 0.0000 | 80.760 | 0.12501 | 0.00000 | 602892.1 | 488322.3 | 0.0 | S |
| 216.975 | 0.0000 | 0.0000 | 80.760 | 0.12500 | 0.00000 | 602892.1 | 488326.1 | 0.0 | S |
| 216.983 | 0.0000 | 0.0000 | 80.760 | 0.12500 | 0.00000 | 602892.1 | 488329.8 | 0.0 | S |
| 216.992 | 0.0000 | 0.0000 | 80.760 | 0.12499 | 0.00000 | 602892.1 | 488333.6 | 0.0 | S |
| 217.000 | 0.0000 | 0.0000 | 80.759 | 0.12499 | 0.00000 | 602892.1 | 488337.3 | 0.0 | S |
| 217.008 | 0.0000 | 0.0000 | 80.759 | 0.12498 | 0.00000 | 602892.1 | 488341.1 | 0.0 | S |
| 217.017 | 0.0000 | 0.0000 | 80.759 | 0.12498 | 0.00000 | 602892.1 | 488344.8 | 0.0 | S |
| 217.025 | 0.0000 | 0.0000 | 80.759 | 0.12497 | 0.00000 | 602892.1 | 488348.6 | 0.0 | S |
| 217.033 | 0.0000 | 0.0000 | 80.759 | 0.12497 | 0.00000 | 602892.1 | 488352.3 | 0.0 | S |
| 217.042 | 0.0000 | 0.0000 | 80.759 | 0.12496 | 0.00000 | 602892.1 | 488356.1 | 0.0 | S |
| 217.050 | 0.0000 | 0.0000 | 80.759 | 0.12496 | 0.00000 | 602892.1 | 488359.8 | 0.0 | S |
| 217.058 | 0.0000 | 0.0000 | 80.759 | 0.12495 | 0.00000 | 602892.1 | 488363.6 | 0.0 | S |

PONDS Version 3.2.0207

# Retention Pond Recovery - Refined Method <br> Copyright 2003 

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate (f $\mathrm{f}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infilitration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Infiow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Intiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 217.067 | 0.0000 | 0.0000 | 80.759 | 0.12495 | 0.00000 | 602892.1 | 488367.3 | 0.0 | S |
| 217.075 | 0.0000 | 0.0000 | 80.759 | 0.12494 | 0.00000 | 602892.1 | 488371.1 | 0.0 | S |
| 217.083 | 0.0000 | 0.0000 | 80.759 | 0.12494 | 0.00000 | 602892.1 | 488374.8 | 0.0 | S |
| 217.092 | 0.0000 | 0.0000 | 80.759 | 0.12493 | 0.00000 | 602892.1 | 488378.5 | 0.0 | S |
| 217.100 | 0.0000 | 0.0000 | 80.759 | 0.12492 | 0.00000 | 602892.1 | 488382.3 | 0.0 | S |
| 217.108 | 0.0000 | 0.0000 | 80.758 | 0.12492 | 0.00000 | 602892.1 | 488386.0 | 0.0 | S |
| 217.117 | 0.0000 | 0.0000 | 80.758 | 0.12491 | 0.00000 | 602892.1 | 488389.8 | 0.0 | S |
| 217.125 | 0.0000 | 0.0000 | 80.758 | 0.12491 | 0.00000 | 602892.1 | 488393.5 | 0.0 | S |
| 217.133 | 0.0000 | 0.0000 | 80.758 | 0.12490 | 0.00000 | 602892.1 | 488397.3 | 0.0 | S |
| 217.142 | 0.0000 | 0.0000 | 80.758 | 0.12490 | 0.00000 | 602892.1 | 488401.0 | 0.0 | S |
| 217.150 | 0.0000 | 0.0000 | 80.758 | 0.12489 | 0.00000 | 602892.1 | 488404.8 | 0.0 | S |
| 217.158 | 0.0000 | 0.0000 | 80.758 | 0.12489 | 0.00000 | 602892.1 | 488408.5 | 0.0 | S |
| 217.167 | 0.0000 | 0.0000 | 80.758 | 0.12488 | 0.00000 | 602892.1 | 488412.3 | 0.0 | S |
| 217.175 | 0.0000 | 0.0000 | 80.758 | 0.12488 | 0.00000 | 602892.1 | 488416.0 | 0.0 | S |
| 217.183 | 0.0000 | 0.0000 | 80.758 | 0.12487 | 0.00000 | 602892.1 | 488419.8 | 0.0 | S |
| 217.192 | 0.0000 | 0.0000 | 80.758 | 0.12487 | 0.00000 | 602892.1 | 488423.5 | 0.0 | S |
| 217.200 | 0.0000 | 0.0000 | 80.758 | 0.12486 | 0.00000 | 602892.1 | 488427.3 | 0.0 | S |
| 217.208 | 0.0000 | 0.0000 | 80.758 | 0.12486 | 0.00000 | 602892.1 | 488431.0 | 0.0 | S |
| 217.217 | 0.0000 | 0.0000 | 80.757 | 0.12485 | 0.00000 | 602892.1 | 488434.8 | 0.0 | S |
| 217.225 | 0.0000 | 0.0000 | 80.757 | 0.12484 | 0.00000 | 602892.1 | 488438.5 | 0.0 | S |
| 217.233 | 0.0000 | 0.0000 | 80.757 | 0.12484 | 0.00000 | 602892.1 | 488442.3 | 0.0 | S |
| 217.242 | 0.0000 | 0.0000 | 80.757 | 0.12483 | 0.00000 | 602892.1 | 488446.0 | 0.0 | S |
| 217.250 | 0.0000 | 0.0000 | 80.757 | 0.12483 | 0.00000 | 602892.1 | 488449.7 | 0.0 | S |
| 217.258 | 0.0000 | 0.0000 | 80.757 | 0.12482 | 0.00000 | 602892.1 | 488453.5 | 0.0 | S |
| 217.267 | 0.0000 | 0.0000 | 80.757 | 0.12482 | 0.00000 | 602892.1 | 488457.2 | 0.0 | S |
| 217.275 | 0.0000 | 0.0000 | 80.757 | 0.12481 | 0.00000 | 602892.1 | 488461.0 | 0.0 | S |
| 217.283 | 0.0000 | 0.0000 | 80.757 | 0.12481 | 0.00000 | 602892.1 | 488464.7 | 0.0 | S |
| 217.292 | 0.0000 | 0.0000 | 80.757 | 0.12480 | 0.00000 | 602892.1 | 488468.4 | 0.0 | S |
| 217.300 | 0.0000 | 0.0000 | 80.757 | 0.12480 | 0.00000 | 602892.1 | 488472.2 | 0.0 | S |
| 217.308 | 0.0000 | 0.0000 | 80.757 | 0.12479 | 0.00000 | 602892.1 | 488475.9 | 0.0 | S |
| 217.317 | 0.0000 | 0.0000 | 80.757 | 0.12479 | 0.00000 | 602892.1 | 488479.7 | 0.0 | S |
| 217.325 | 0.0000 | 0.0000 | 80.757 | 0.12478 | 0.00000 | 602892.1 | 488483.4 | 0.0 | S |
| 217.333 | 0.0000 | 0.0000 | 80.756 | 0.12478 | 0.00000 | 602892.1 | 488487.2 | 0.0 | S |
| 217.342 | 0.0000 | 0.0000 | 80.756 | 0.12477 | 0.00000 | 602892.1 | 488490.9 | 0.0 | S |
| 217.350 | 0.0000 | 0.0000 | 80.756 | 0.12477 | 0.00000 | 602892.1 | 488494.7 | 0.0 | S |
| 217.358 | 0.0000 | 0.0000 | 80.756 | 0.12476 | 0.00000 | 602892.1 | 488498.4 | 0.0 | S |
| 217.367 | 0.0000 | 0.0000 | 80.756 | 0.12475 | 0.00000 | 602892.1 | 488502.1 | 0.0 | S |
| 217.375 | 0.0000 | 0.0000 | 80.756 | 0.12475 | 0.00000 | 602892.1 | 488505.9 | 0.0 | S |
| 217.383 | 0.0000 | 0.0000 | 80.756 | 0.12474 | 0.00000 | 602892.1 | 488509.6 | 0.0 | S |
| 217.392 | 0.0000 | 0.0000 | 80.756 | 0.12474 | 0.00000 | 602892.1 | 488513.4 | 0.0 | S |
| 217.400 | 0.0000 | 0.0000 | 80.756 | 0.12473 | 0.00000 | 602892.1 | 488517.1 | 0.0 | S |
| 217.408 | 0.0000 | 0.0000 | 80.756 | 0.12473 | 0.00000 | 602892.1 | 488520.8 | 0.0 | S |
| 217.417 | 0.0000 | 0.0000 | 80.756 | 0.12472 | 0.00000 | 602892.1 | 488524.6 | 0.0 | S |
| 217.425 | 0.0000 | 0.0000 | 80.756 | 0.12472 | 0.00000 | 602892.1 | 488528.3 | 0.0 | S |
| 217.433 | 0.0000 | 0.0000 | 80.756 | 0.12471 | 0.00000 | 602892.1 | 488532.1 | 0.0 | S |
| 217.442 | 0.0000 | 0.0000 | 80.755 | 0.12471 | 0.00000 | 602892.1 | 488535.8 | 0.0 | S |
| 217.450 | 0.0000 | 0.0000 | 80.755 | 0.12470 | 0.00000 | 602892.1 | 488539.6 | 0.0 | S |
| 217.458 | 0.0000 | 0.0000 | 80.755 | 0.12470 | 0.00000 | 602892.1 | 488543.3 | 0.0 | S |
| 217.467 | 0.0000 | 0.0000 | 80.755 | 0.12469 | 0.00000 | 602892.1 | 488547.0 | 0.0 | S |
| 217.475 | 0.0000 | 0.0000 | 80.755 | 0.12469 | 0.00000 | 602892.1 | 488550.8 | 0.0 | S |
| 217.483 | 0.0000 | 0.0000 | 80.755 | 0.12468 | 0.00000 | 602892.1 | 488554.5 | 0.0 | S |
| 217.492 | 0.0000 | 0.0000 | 80.755 | 0.12468 | 0.00000 | 602892.1 | 488558.3 | 0.0 | S |
| 217.500 | 0.0000 | 0.0000 | 80.755 | 0.12467 | 0.00000 | 602892.1 | 488562.0 | 0.0 | S |
| 217.508 | 0.0000 | 0.0000 | 80.755 | 0.12466 | 0.00000 | 602892.1 | 488565.8 | 0.0 | S |
| 217.517 | 0.0000 | 0.0000 | 80.755 | 0.12466 | 0.00000 | 602892.1 | 488569.5 | 0.0 | S |
| 217.525 | 0.0000 | 0.0000 | 80.755 | 0.12465 | 0.00000 | 602892.1 | 488573.2 | 0.0 | S |
| 217.533 | 0.0000 | 0.0000 | 80.755 | 0.12465 | 0.00000 | 602892.1 | 488577.0 | 0.0 | S |
| 217.542 | 0.0000 | 0.0000 | 80.755 | 0.12464 | 0.00000 | 602892.1 | 488580.7 | 0.0 | S |
| 217.550 | 0.0000 | 0.0000 | 80.754 | 0.12464 | 0.00000 | 602892.1 | 488584.4 | 0.0 | S |
| 217.558 | 0.0000 | 0.0000 | 80.754 | 0.12463 | 0.00000 | 602892.1 | 488588.2 | 0.0 | S |
| 217.567 | 0.0000 | 0.0000 | 80.754 | 0.12463 | 0.00000 | 602892.1 | 488591.9 | 0.0 | S |
| 217.575 | 0.0000 | 0.0000 | 80.754 | 0.12462 | 0.00000 | 602892.1 | 488595.7 | 0.0 | S |
| 217.583 | 0.0000 | 0.0000 | 80.754 | 0.12462 | 0.00000 | 602892.1 | 488599.4 | 0.0 | S |
| 217.592 | 0.0000 | 0.0000 | 80.754 | 0.12461 | 0.00000 | 602892.1 | 488603.1 | 0.0 | S |
| 217.600 | 0.0000 | 0.0000 | 80.754 | 0.12461 | 0.00000 | 602892.1 | 488606.9 | 0.0 | S |
| 217.608 | 0.0000 | 0.0000 | 80.754 | 0.12460 | 0.00000 | 602892.1 | 488610.6 | 0.0 | S |
| 217.617 | 0.0000 | 0.0000 | 80.754 | 0.12460 | 0.00000 | 602892.1 | 488614.3 | 0.0 | S |
| 217.625 | 0.0000 | 0.0000 | 80.754 | 0.12459 | 0.00000 | 602892.1 | 488618.1 | 0.0 | S |
| 217.633 | 0.0000 | 0.0000 | 80.754 | 0.12458 | 0.00000 | 602892.1 | 488621.8 | 0.0 | S |
| 217.642 | 0.0000 | 0.0000 | 80.754 | 0.12458 | 0.00000 | 602892.1 | 488625.6 | 0.0 | S |
| 217.650 | 0.0000 | 0.0000 | 80.754 | 0.12457 | 0.00000 | 602892.1 | 488629.3 | 0.0 | S |
| 217.658 | 0.0000 | 0.0000 | 80.754 | 0.12457 | 0.00000 | 602892.1 | 488633.0 | 0.0 | S |
| 217.667 | 0.0000 | 0.0000 | 80.753 | 0.12456 | 0.00000 | 602892.1 | 488636.8 | 0.0 | S |
| 217.675 | 0.0000 | 0.0000 | 80.753 | 0.12456 | 0.00000 | 602892.1 | 488640.5 | 0.0 | S |

PONDS Version 3.2.0207

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year/ 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Infiow Rate ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Outside Recharge (f/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Votume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 217.683 | 0.0000 | 0.0000 | 80.753 | 0.12455 | 0.00000 | 602892.1 | 488644.3 | 0.0 | S |
| 217.692 | 0.0000 | 0.0000 | 80.753 | 0.12455 | 0.00000 | 602892.1 | 488648.0 | 0.0 | S |
| 217.700 | 0.0000 | 0.0000 | 80.753 | 0.12454 | 0.00000 | 602892.1 | 488651.7 | 0.0 | S |
| 217.708 | 0.0000 | 0.0000 | 80.753 | 0.12454 | 0.00000 | 602892.1 | 488655.4 | 0.0 | S |
| 217.717 | 0.0000 | 0.0000 | 80.753 | 0.12453 | 0.00000 | 602892.1 | 488659.2 | 0.0 | S |
| 217.725 | 0.0000 | 0.0000 | 80.753 | 0.12453 | 0.00000 | 602892.1 | 488662.9 | 0.0 | S |
| 217.733 | 0.0000 | 0.0000 | 80.753 | 0.12452 | 0.00000 | 602892.1 | 488666.7 | 0.0 | S |
| 217.742 | 0.0000 | 0.0000 | 80.753 | 0.12452 | 0.00000 | 602892.1 | 488670.4 | 0.0 | S |
| 217.750 | 0.0000 | 0.0000 | 80.753 | 0.12451 | 0.00000 | 602892.1 | 488674.1 | 0.0 | S |
| 217.758 | 0.0000 | 0.0000 | 80.753 | 0.12451 | 0.00000 | 602892.1 | 488677.9 | 0.0 | S |
| 217.767 | 0.0000 | 0.0000 | 80.753 | 0.12450 | 0.00000 | 602892.1 | 488681.6 | 0.0 | S |
| 217.775 | 0.0000 | 0.0000 | 80.752 | 0.12450 | 0.00000 | 602892.1 | 488685.3 | 0.0 | S |
| 217.783 | 0.0000 | 0.0000 | 80.752 | 0.12449 | 0.00000 | 602892.1 | 488689.1 | 0.0 | S |
| 217.792 | 0.0000 | 0.0000 | 80.752 | 0.12448 | 0.00000 | 602892.1 | 488692.8 | 0.0 | S |
| 217.800 | 0.0000 | 0.0000 | 80.752 | 0.12448 | 0.00000 | 602892.1 | 488696.5 | 0.0 | S |
| 217.808 | 0.0000 | 0.0000 | 80.752 | 0.12447 | 0.00000 | 602892.1 | 488700.3 | 0.0 | S |
| 217.817 | 0.0000 | 0.0000 | 80.752 | 0.12447 | 0.00000 | 602892.1 | 488704.0 | 0.0 | S |
| 217.825 | 0.0000 | 0.0000 | 80.752 | 0.12446 | 0.00000 | 602892.1 | 488707.8 | 0.0 | S |
| 217.833 | 0.0000 | 0.0000 | 80.752 | 0.12446 | 0.00000 | 602892.1 | 488711.5 | 0.0 | S |
| 217.842 | 0.0000 | 0.0000 | 80.752 | 0.12445 | 0.00000 | 602892.1 | 488715.2 | 0.0 | S |
| 217.850 | 0.0000 | 0.0000 | 80.752 | 0.12445 | 0.00000 | 602892.1 | 488718.9 | 0.0 | S |
| 217.858 | 0.0000 | 0.0000 | 80.752 | 0.12444 | 0.00000 | 602892.1 | 488722.7 | 0.0 | S |
| 217.867 | 0.0000 | 0.0000 | 80.752 | 0.12444 | 0.00000 | 602892.1 | 488726.4 | 0.0 | S |
| 217.875 | 0.0000 | 0.0000 | 80.752 | 0.12443 | 0.00000 | 602892.1 | 488730.2 | 0.0 | S |
| 217.883 | 0.0000 | 0.0000 | 80.751 | 0.12443 | 0.00000 | 602892.1 | 488733.9 | 0.0 | S |
| 217.892 | 0.0000 | 0.0000 | 80.751 | 0.12442 | 0.00000 | 602892.1 | 488737.6 | 0.0 | S |
| 217.900 | 0.0000 | 0.0000 | 80.751 | 0.12442 | 0.00000 | 602892.1 | 488741.3 | 0.0 | S |
| 217.908 | 0.0000 | 0.0000 | 80.751 | 0.12441 | 0.00000 | 602892.1 | 488745.1 | 0.0 | S |
| 217.917 | 0.0000 | 0.0000 | 80.751 | 0.12441 | 0.00000 | 602892.1 | 488748.8 | 0.0 | S |
| 217.925 | 0.0000 | 0.0000 | 80.751 | 0.12440 | 0.00000 | 602892.1 | 488752.5 | 0.0 | S |
| 217.933 | 0.0000 | 0.0000 | 80.751 | 0.12439 | 0.00000 | 602892.1 | 488756.3 | 0.0 | S |
| 217.942 | 0.0000 | 0.0000 | 80.751 | 0.12439 | 0.00000 | 602892.1 | 488760.0 | 0.0 | S |
| 217.950 | 0.0000 | 0.0000 | 80.751 | 0.12438 | 0.00000 | 602892.1 | 488763.7 | 0.0 | S |
| 217.958 | 0.0000 | 0.0000 | 80.751 | 0.12438 | 0.00000 | 602892.1 | 488767.5 | 0.0 | S |
| 217.967 | 0.0000 | 0.0000 | 80.751 | 0.12437 | 0.00000 | 602892.1 | 488771.2 | 0.0 | S |
| 217.975 | 0.0000 | 0.0000 | 80.751 | 0.12437 | 0.00000 | 602892.1 | 488774.9 | 0.0 | S |
| 217.983 | 0.0000 | 0.0000 | 80.751 | 0.12436 | 0.00000 | 602892.1 | 488778.7 | 0.0 | S |
| 217.992 | 0.0000 | 0.0000 | 80.751 | 0.12436 | 0.00000 | 602892.1 | 488782.4 | 0.0 | S |
| $2 \ddagger 8.000$ | 0.0000 | 0.0000 | 80.750 | 0.12435 | 0.00000 | 602892.1 | 488786.1 | 0.0 | S |
| 218.008 | 0.0000 | 0.0000 | 80.750 | 0.12435 | 0.00000 | 602892.1 | 488789.8 | 0.0 | S |
| 218.017 | 0.0000 | 0.0000 | 80.750 | 0.12434 | 0.00000 | 602892.1 | 488793.6 | 0.0 | S |
| 218.025 | 0.0000 | 0.0000 | 80.750 | 0.12434 | 0.00000 | 602892.1 | 488797.3 | 0.0 | S |
| 218.033 | 0.0000 | 0.0000 | 80.750 | 0.12433 | 0.00000 | 602892.1 | 488801.0 | 0.0 | S |
| 218.042 | 0.0000 | 0.0000 | 80.750 | 0.12433 | 0.00000 | 602892.1 | 488804.8 | 0.0 | S |
| 218.050 | 0.0000 | 0.0000 | 80.750 | 0.12432 | 0.00000 | 602892.1 | 488808.5 | 0.0 | S |
| 218.058 | 0.0000 | 0.0000 | 80.750 | 0.12432 | 0.00000 | 602892.1 | 488812.2 | 0.0 | S |
| 218.067 | 0.0000 | 0.0000 | 80.750 | 0.12431 | 0.00000 | 602892.1 | 488816.0 | 0.0 | S |
| 218.075 | 0.0000 | 0.0000 | 80.750 | 0.12430 | 0.00000 | 602892.1 | 488819.7 | 0.0 | S |
| 218.083 | 0.0000 | 0.0000 | 80.750 | 0.12430 | 0.00000 | 602892.1 | 488823.4 | 0.0 | S |
| 218.092 | 0.0000 | 0.0000 | 80.750 | 0.12429 | 0.00000 | 602892.1 | 488827.2 | 0.0 | S |
| 218.100 | 0.0000 | 0.0000 | 80.750 | 0.12429 | 0.00000 | 602892.1 | 488830.9 | 0.0 | S |
| 218.108 | 0.0000 | 0.0000 | 80.749 | 0.12428 | 0.00000 | 602892.1 | 488834.6 | 0.0 | S |
| 218.117 | 0.0000 | 0.0000 | 80.749 | 0.12428 | 0.00000 | 602892.1 | 488838.3 | 0.0 | S |
| 218.125 | 0.0000 | 0.0000 | 80.749 | 0.12427 | 0.00000 | 602892.1 | 488842.1 | 0.0 | S |
| 218.133 | 0.0000 | 0.0000 | 80.749 | 0.12427 | 0.00000 | 602892.1 | 488845.8 | 0.0 | S |
| 218.142 | 0.0000 | 0.0000 | 80.749 | 0.12426 | 0.00000 | 602892.1 | 488849.5 | 0.0 | S |
| 218.150 | 0.0000 | 0.0000 | 80.749 | 0.12426 | 0.00000 | 602892.1 | 488853.3 | 0.0 | S |
| 218.158 | 0.0000 | 0.0000 | 80.749 | 0.12425 | 0.00000 | 602892.1 | 488857.0 | 0.0 | S |
| 218.167 | 0.0000 | 0.0000 | 80.749 | 0.12425 | 0.00000 | 602892.1 | 488860.7 | 0.0 | S |
| 218.175 | 0.0000 | 0.0000 | 80.749 | 0.12424 | 0.00000 | 602892.1 | 488864.4 | 0.0 | S |
| 218.183 | 0.0000 | 0.0000 | 80.749 | 0.12424 | 0.00000 | 602892.1 | 488868.2 | 0.0 | S |
| 218.192 | 0.0000 | 0.0000 | 80.749 | 0.12423 | 0.00000 | 602892.1 | 488871.9 | 0.0 | S |
| 218.200 | 0.0000 | 0.0000 | 80.749 | 0.12423 | 0.00000 | 602892.1 | 488875.6 | 0.0 | S |
| 218.208 | 0.0000 | 0.0000 | 80.749 | 0.12422 | 0.00000 | 602892.1 | 488879.3 | 0.0 | S |
| 218.217 | 0.0000 | 0.0000 | 80.748 | 0.12422 | 0.00000 | 602892.1 | 488883.1 | 0.0 | S |
| 218.225 | 0.0000 | 0.0000 | 80.748 | 0.12421 | 0.00000 | 602892.1 | 488886.8 | 0.0 | S |
| 218.233 | 0.0000 | 0.0000 | 80.748 | 0.12420 | 0.00000 | 602892.1 | 488890.5 | 0.0 | S |
| 218.242 | 0.0000 | 0.0000 | 80.748 | 0.12420 | 0.00000 | 602892.1 | 488894.3 | 0.0 | S |
| 218.250 | 0.0000 | 0.0000 | 80.748 | 0.12419 | 0.00000 | 602892.1 | 488898.0 | 0.0 | S |
| 218.258 | 0.0000 | 0.0000 | 80.748 | 0.12419 | 0.00000 | 602892.1 | 488901.7 | 0.0 | S |
| 218.267 | 0.0000 | 0.0000 | 80.748 | 0.12418 | 0.00000 | 602892.1 | 488905.4 | 0.0 | S |
| 218.275 | 0.0000 | 0.0000 | 80.748 | 0.12418 | 0.00000 | 602892.1 | 488909.2 | 0.0 | S |
| 218.283 | 0.0000 | 0.0000 | 80.748 | 0.12417 | 0.00000 | 602892.1 | 488912.9 | 0.0 | S |
| 218.292 | 0.0000 | 0.0000 | 80.748 | 0.12417 | 0.00000 | 602892.1 | 488916.6 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate (f $\mathrm{f}^{3 / \mathrm{s}}$ ) | Outside Recharge (fUday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{Ht}^{3 /} / \mathrm{s}$ ) | Overflow <br> Discharge $\left(\mathrm{ft}^{3} / \mathrm{s}\right)$ | Cumulative inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 218.300 | 0.0000 | 0.0000 | 80.748 | 0.12416 | 0.00000 | 602892.1 | 488920.3 | 0.0 | S |
| 218.308 | 0.0000 | 0.0000 | 80.748 | 0.12416 | 0.00000 | 602892.1 | 488924.0 | 0.0 | S |
| 218.317 | 0.0000 | 0.0000 | 80.748 | 0.12415 | 0.00000 | 602892.1 | 488927.8 | 0.0 | S |
| 218.325 | 0.0000 | 0.0000 | 80.748 | 0.12415 | 0.00000 | 602892.1 | 488931.5 | 0.0 | S |
| 218.333 | 0.0000 | 0.0000 | 80.747 | 0.12414 | 0.00000 | 602892.1 | 488935.2 | 0.0 | S |
| 218.342 | 0.0000 | 0.0000 | 80.747 | 0.12414 | 0.00000 | 602892.1 | 488938.9 | 0.0 | S |
| 218.350 | 0.0000 | 0.0000 | 80.747 | 0.12413 | 0.00000 | 602892.1 | 488942.7 | 0.0 | S |
| 218.358 | 0.0000 | 0.0000 | 80.747 | 0.12413 | 0.00000 | 602892.1 | 488946.4 | 0.0 | S |
| 218.367 | 0.0000 | 0.0000 | 80.747 | 0.12412 | 0.00000 | 602892.1 | 488950.1 | 0.0 | S |
| 218.375 | 0.0000 | 0.0000 | 80.747 | 0.12412 | 0.00000 | 602892.1 | 488953.8 | 0.0 | S |
| 218.383 | 0.0000 | 0.0000 | 80.747 | 0.12411 | 0.00000 | 602892.1 | 488957.6 | 0.0 | S |
| 218.392 | 0.0000 | 0.0000 | 80,747 | 0.12410 | 0.00000 | 602892.1 | 488961.3 | 0.0 | S |
| 218.400 | 0.0000 | 0.0000 | 80.747 | 0.12410 | 0.00000 | 602892.1 | 488965.0 | 0.0 | S |
| 218.408 | 0.0000 | 0.0000 | 80.747 | 0.12409 | 0.00000 | 602892.1 | 488968.7 | 0.0 | S |
| 218.417 | 0.0000 | 0.0000 | 80.747 | 0.12409 | 0.00000 | 602892.1 | 488972.4 | 0.0 | S |
| 218.425 | 0.0000 | 0.0000 | 80.747 | 0.12408 | 0.00000 | 602892.1 | 488976.2 | 0.0 | S |
| 218.433 | 0.0000 | 0.0000 | 80.747 | 0.12408 | 0.00000 | 602892.1 | 488979.9 | 0.0 | S |
| 218.442 | 0.0000 | 0.0000 | 80.746 | 0.12407 | 0.00000 | 602892.1 | 488983.6 | 0.0 | S |
| 218.450 | 0.0000 | 0.0000 | 80.746 | 0.12407 | 0.00000 | 602892.1 | 488987.3 | 0.0 | S |
| 218.458 | 0.0000 | 0.0000 | 80.746 | 0.12406 | 0.00000 | 602892.1 | 488991.1 | 0.0 | S |
| 218.467 | 0.0000 | 0.0000 | 80.746 | 0.12406 | 0.00000 | 602892.1 | 488994.8 | 0.0 | S |
| 218.475 | 0.0000 | 0.0000 | 80.746 | 0.12405 | 0.00000 | 602892.1 | 488998.5 | 0.0 | S |
| 218.483 | 0.0000 | 0.0000 | 80.746 | 0.12405 | 0.00000 | 602892.1 | 489002.2 | 0.0 | S |
| 218.492 | 0.0000 | 0.0000 | 80.746 | 0.12404 | 0.00000 | 602892.1 | 489005.9 | 0.0 | S |
| 218.500 | 0.0000 | 0.0000 | 80.746 | 0.12404 | 0.00000 | 602892.1 | 489009.7 | 0.0 | S |
| 218.508 | 0.0000 | 0.0000 | 80.746 | 0.12403 | 0.00000 | 602892.1 | 489013.4 | 0.0 | S |
| 218.517 | 0.0000 | 0.0000 | 80.746 | 0.12403 | 0.00000 | 602892.1 | 489017.1 | 0.0 | S |
| 218.525 | 0.0000 | 0.0000 | 80.746 | 0.12402 | 0.00000 | 602892.1 | 489020.8 | 0.0 | S |
| 218.533 | 0.0000 | 0.0000 | 80.746 | 0.12402 | 0.00000 | 602892.1 | 489024.6 | 0.0 | S |
| 218.542 | 0.0000 | 0.0000 | 80.746 | 0.12401 | 0.00000 | 602892.1 | 489028.3 | 0.0 | S |
| 218.550 | 0.0000 | 0.0000 | 80.745 | 0.12400 | 0.00000 | 602892.1 | 489032.0 | 0.0 | S |
| 218.558 | 0.0000 | 0.0000 | 80.745 | 0.12400 | 0.00000 | 602892.1 | 489035.7 | 0.0 | S |
| 218.567 | 0.0000 | 0.0000 | 80.745 | 0.12399 | 0.00000 | 602892.1 | 489039.4 | 0.0 | S |
| 218.575 | 0.0000 | 0.0000 | 80.745 | 0.12399 | 0.00000 | 602892.1 | 489043.2 | 0.0 | S |
| 218.583 | 0.0000 | 0.0000 | 80.745 | 0.12398 | 0.00000 | 602892.1 | 489046.9 | 0.0 | S |
| 218.592 | 0.0000 | 0.0000 | 80.745 | 0.12398 | 0.00000 | 602892.1 | 489050.6 | 0.0 | S |
| 218.600 | 0.0000 | 0.0000 | 80.745 | 0.12397 | 0.00000 | 602892.1 | 489054.3 | 0.0 | S |
| 218.608 | 0.0000 | 0.0000 | 80.745 | 0.12397 | 0.00000 | 602892.1 | 489058.0 | 0.0 | S |
| 218.617 | 0.0000 | 0.0000 | 80.745 | 0.12396 | 0.00000 | 602892.1 | 489061.8 | 0.0 | S |
| 218.625 | 0.0000 | 0.0000 | 80.745 | 0.12396 | 0.00000 | 602892.1 | 489065.5 | 0.0 | S |
| 218.633 | 0.0000 | 0.0000 | 80.745 | 0.12395 | 0.00000 | 602892.1 | 489069.2 | 0.0 | S |
| 218.642 | 0.0000 | 0.0000 | 80.745 | 0.12395 | 0.00000 | 602892.1 | 489072.9 | 0.0 | S |
| 218.650 | 0.0000 | 0.0000 | 80.745 | 0.12394 | 0.00000 | 602892.1 | 489076.6 | 0.0 | S |
| 218.658 | 0.0000 | 0.0000 | 80.745 | 0.12394 | 0.00000 | 602892.1 | 489080.3 | 0.0 | S |
| 218.667 | 0.0000 | 0.0000 | 80.744 | 0.12393 | 0.00000 | 602892.1 | 489084.1 | 0.0 | S |
| 218.675 | 0.0000 | 0.0000 | 80.744 | 0.12393 | 0.00000 | 602892.1 | 489087.8 | 0.0 | S |
| 218.683 | 0.0000 | 0.0000 | 80.744 | 0.12392 | 0.00000 | 602892.1 | 489091.5 | 0.0 | S |
| 218.692 | 0.0000 | 0.0000 | 80.744 | 0.12392 | 0.00000 | 602892.1 | 489095.2 | 0.0 | S |
| 218.700 | 0.0000 | 0.0000 | 80.744 | 0.12391 | 0.00000 | 602892.1 | 489098.9 | 0.0 | S |
| 218.708 | 0.0000 | 0.0000 | 80.744 | 0.12391 | 0.00000 | 602892.1 | 489102.7 | 0.0 | S |
| 218.717 | 0.0000 | 0.0000 | 80.744 | 0.12390 | 0.00000 | 602892.1 | 489106.4 | 0.0 | S |
| 218.725 | 0.0000 | 0.0000 | 80.744 | 0.12389 | 0.00000 | 602892.1 | 489110.1 | 0.0 | S |
| 218.733 | 0.0000 | 0.0000 | 80.744 | 0.12389 | 0.00000 | 602892.1 | 489113.8 | 0.0 | S |
| 218.742 | 0.0000 | 0.0000 | 80.744 | 0.12388 | 0.00000 | 602892.1 | 489117.5 | 0.0 | S |
| 218.750 | 0.0000 | 0.0000 | 80.744 | 0.12388 | 0.00000 | 602892.1 | 489121.2 | 0.0 | S |
| 218.758 | 0.0000 | 0.0000 | 80.744 | 0.12387 | 0.00000 | 602892.1 | 489124.9 | 0.0 | S |
| 218.767 | 0.0000 | 0.0000 | 80.744 | 0.12387 | 0.00000 | 602892.1 | 489128.7 | 0.0 | S |
| 218.775 | 0.0000 | 0.0000 | 80.743 | 0.12386 | 0.00000 | 602892.1 | 489132.4 | 0.0 | S |
| 218.783 | 0.0000 | 0.0000 | 80.743 | 0.12386 | 0.00000 | 602892.1 | 489136.1 | 0.0 | S |
| 218.792 | 0.0000 | 0.0000 | 80.743 | 0.12385 | 0.00000 | 602892.1 | 489139.8 | 0.0 | S |
| 218.800 | 0.0000 | 0.0000 | 80.743 | 0.12385 | 0.00000 | 602892.1 | 489143.5 | 0.0 | S |
| 218.808 | 0.0000 | 0.0000 | 80.743 | 0.12384 | 0.00000 | 602892.1 | 489147.3 | 0.0 | S |
| 218.817 | 0.0000 | 0.0000 | 80.743 | 0.12384 | 0.00000 | 602892.1 | 489151.0 | 0.0 | S |
| 218.825 | 0.0000 | 0.0000 | 80.743 | 0.12383 | 0.00000 | 602892.1 | 489154.7 | 0.0 | S |
| 218.833 | 0.0000 | 0.0000 | 80.743 | 0.12383 | 0.00000 | 602892.1 | 489158.4 | 0.0 | S |
| 218.842 | 0.0000 | 0.0000 | 80.743 | 0.12382 | 0.00000 | 602892.1 | 489162.1 | 0.0 | S |
| 218.850 | 0.0000 | 0.0000 | 80.743 | 0.12382 | 0.00000 | 602892.1 | 489165.8 | 0.0 | S |
| 218.858 | 0.0000 | 0.0000 | 80.743 | 0.12381 | 0.00000 | 602892.1 | 489169.5 | 0.0 | S |
| 218.867 | 0.0000 | 0.0000 | 80.743 | 0.12381 | 0.00000 | 602892.1 | 489173.3 | 0.0 | S |
| 218.875 | 0.0000 | 0.0000 | 80.743 | 0.12380 | 0.00000 | 602892.1 | 489177.0 | 0.0 | S |
| 218.883 | 0.0000 | 0.0000 | 80.742 | 0.12380 | 0.00000 | 602892.1 | 489180.7 | 0.0 | S |
| 218.892 | 0.0000 | 0.0000 | 80.742 | 0.12379 | 0.00000 | 602892.1 | 489184.4 | 0.0 | S |
| 218.900 | 0.0000 | 0.0000 | 80.742 | 0.12378 | 0.00000 | 602892.1 | 489188.1 | 0.0 | S |
| 218.908 | 0.0000 | 0.0000 | 80.742 | 0.12378 | 0.00000 | 602892.1 | 489191.8 | 0.0 | S |

PONDS Version 3.2.0207

# Retention Pond Recovery - Refined Method Copyright 2003 

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{H}^{3 / \mathrm{s}}$ ) | Cumulative unflow <br> Votume ( $\mathrm{ft}^{3}$ ) | Cumulative Infilltration Volume (fis) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 218.917 | 0.0000 | 0.0000 | 80.742 | 0.12377 | 0.00000 | 602892.1 | 489195.5 | 0.0 | S |
| 218.925 | 0.0000 | 0.0000 | 80.742 | 0.12377 | 0.00000 | 602892.1 | 489199.3 | 0.0 | S |
| 218.933 | 0.0000 | 0.0000 | 80.742 | 0.12376 | 0.00000 | 602892.1 | 489203.0 | 0.0 | S |
| 218.942 | 0.0000 | 0.0000 | 80.742 | 0.12376 | 0.00000 | 602892.1 | 489206.7 | 0.0 | S |
| 218.950 | 0.0000 | 0.0000 | 80.742 | 0.12375 | 0.00000 | 602892.1 | 489210.4 | 0.0 | S |
| 218.958 | 0.0000 | 0.0000 | 80.742 | 0.12375 | 0.00000 | 602892.1 | 489214.1 | 0.0 | S |
| 218.967 | 0.0000 | 0.0000 | 80.742 | 0.12374 | 0.00000 | 602892.1 | 489217.8 | 0.0 | S |
| 218.975 | 0.0000 | 0.0000 | 80.742 | 0.12374 | 0.00000 | 602892.1 | 489221.5 | 0.0 | S |
| 218.983 | 0.0000 | 0.0000 | 80.742 | 0.12373 | 0.00000 | 602892.1 | 489225.2 | 0.0 | S |
| 218.992 | 0.0000 | 0.0000 | 80.742 | 0.12373 | 0.00000 | 602892.1 | 489228.9 | 0.0 | 5 |
| 219.000 | 0.0000 | 0.0000 | 80.741 | 0.12372 | 0.00000 | 602892.1 | 489232.7 | 0.0 | S |
| 219.008 | 0.0000 | 0.0000 | 80.741 | 0.12372 | 0.00000 | 602892.1 | 489236.4 | 0.0 | S |
| 219.017 | 0.0000 | 0.0000 | 80.741 | 0.12371 | 0.00000 | 602892.1 | 489240.1 | 0.0 | S |
| 219.025 | 0.0000 | 0.0000 | 80.741 | 0.12371 | 0.00000 | 602892.1 | 489243.8 | 0.0 | S |
| 219.033 | 0.0000 | 0.0000 | 80.741 | 0.12370 | 0.00000 | 602892.1 | 489247.5 | 0.0 | S |
| 219.042 | 0.0000 | 0.0000 | 80.741 | 0.12370 | 0.00000 | 602892.1 | 489251.2 | 0.0 | S |
| 219.050 | 0.0000 | 0.0000 | 80.741 | 0.12369 | 0.00000 | 602892.1 | 489254.9 | 0.0 | S |
| 219.058 | 0.0000 | 0.0000 | 80.741 | 0.12369 | 0.00000 | 602892.1 | 489258.6 | 0.0 | S |
| 219.067 | 0.0000 | 0.0000 | 80.741 | 0.12368 | 0.00000 | 602892.1 | 489262.3 | 0.0 | S |
| 219.075 | 0.0000 | 0.0000 | 80.741 | 0.12367 | 0.00000 | 602892.1 | 489266.1 | 0.0 | S |
| 219.083 | 0.0000 | 0.0000 | 80.741 | 0.12367 | 0.00000 | 602892.1 | 489269.8 | 0.0 | S |
| 219.092 | 0.0000 | 0.0000 | 80.741 | 0.12366 | 0.00000 | 602892.1 | 489273.5 | 0.0 | 5 |
| 219.100 | 0.0000 | 0.0000 | 80.741 | 0.12366 | 0.00000 | 602892.1 | 489277.2 | 0.0 | S |
| 219.108 | 0.0000 | 0.0000 | 80.740 | 0.12365 | 0.00000 | 602892.1 | 489280.9 | 0.0 | S |
| 219.117 | 0.0000 | 0.0000 | 80.740 | 0.12365 | 0.00000 | 602892.1 | 489284.6 | 0.0 | S |
| 219.125 | 0.0000 | 0.0000 | 80.740 | 0.12364 | 0.00000 | 602892.1 | 489288.3 | 0.0 | S |
| 219.133 | 0.0000 | 0.0000 | 80.740 | 0.12364 | 0.00000 | 602892.1 | 489292.0 | 0.0 | S |
| 219.142 | 0.0000 | 0.0000 | 80.740 | 0.12363 | 0.00000 | 602892.1 | 489295.7 | 0.0 | S |
| 219.150 | 0.0000 | 0.0000 | 80.740 | 0.12363 | 0.00000 | 602892.1 | 489299.4 | 0.0 | S |
| 219.158 | 0.0000 | 0.0000 | 80.740 | 0.12362 | 0.00000 | 602892.1 | 489303.2 | 0.0 | S |
| 219.167 | 0.0000 | 0.0000 | 80.740 | 0.12362 | 0.00000 | 602892.1 | 489306.8 | 0.0 | S |
| 219.175 | 0.0000 | 0.0000 | 80.740 | 0.12361 | 0.00000 | 602892.1 | 489310.6 | 0.0 | S |
| 219.183 | 0.0000 | 0.0000 | 80.740 | 0.12361 | 0.00000 | 602892.1 | 489314.3 | 0.0 | S |
| 219.192 | 0.0000 | 0.0000 | 80.740 | 0.12360 | 0.00000 | 602892.1 | 489318.0 | 0.0 | S |
| 219.200 | 0.0000 | 0.0000 | 80.740 | 0.12360 | 0.00000 | 602892.1 | 489321.7 | 0.0 | S |
| 219.208 | 0.0000 | 0.0000 | 80.740 | 0.12359 | 0.00000 | 602892.1 | 489325.4 | 0.0 | S |
| 219.217 | 0.0000 | 0.0000 | 80.740 | 0.12359 | 0.00000 | 602892.1 | 489329.1 | 0.0 | S |
| 219.225 | 0.0000 | 0.0000 | 80.739 | 0.12358 | 0.00000 | 602892.1 | 489332.8 | 0.0 | S |
| 219.233 | 0.0000 | 0.0000 | 80.739 | 0.12358 | 0.00000 | 602892.1 | 489336.5 | 0.0 | S |
| 219.242 | 0.0000 | 0.0000 | 80.739 | 0.12357 | 0.00000 | 602892.1 | 489340.2 | 0.0 | S |
| 219.250 | 0.0000 | 0.0000 | 80.739 | 0.12357 | 0.00000 | 602892.1 | 489343.9 | 0.0 | S |
| 219.258 | 0.0000 | 0.0000 | 80.739 | 0.12356 | 0.00000 | 602892.1 | 489347.6 | 0.0 | S |
| 219.267 | 0.0000 | 0.0000 | 80.739 | 0.12355 | 0.00000 | 602892.1 | 489351.3 | 0.0 | S |
| 219.275 | 0.0000 | 0.0000 | 80.739 | 0.12355 | 0.00000 | 602892.1 | 489355.1 | 0.0 | S |
| 219.283 | 0.0000 | 0.0000 | 80.739 | 0.12354 | 0.00000 | 602892.1 | 489358.8 | 0.0 | S |
| 219.292 | 0.0000 | 0.0000 | 80.739 | 0.12354 | 0.00000 | 602892.1 | 489362.5 | 0.0 | S |
| 219.300 | 0.0000 | 0.0000 | 80.739 | 0.12353 | 0.00000 | 602892.1 | 489366.2 | 0.0 | S |
| 219.308 | 0.0000 | 0.0000 | 80.739 | 0.12353 | 0.00000 | 602892.1 | 489369.9 | 0.0 | S |
| 219.317 | 0.0000 | 0.0000 | 80.739 | 0.12352 | 0.00000 | 602892.1 | 489373.6 | 0.0 | S |
| 219.325 | 0.0000 | 0.0000 | 80.739 | 0.12352 | 0.00000 | 602892.1 | 489377.3 | 0.0 | S |
| 219.333 | 0.0000 | 0.0000 | 80.738 | 0.12351 | 0.00000 | 602892.1 | 489381.0 | 0.0 | S |
| 219.342 | 0.0000 | 0.0000 | 80.738 | 0.12351 | 0.00000 | 602892.1 | 489384.7 | 0.0 | S |
| 219.350 | 0.0000 | 0.0000 | 80.738 | 0.12350 | 0.00000 | 602892.1 | 489388.4 | 0.0 | S |
| 219.358 | 0.0000 | 0.0000 | 80.738 | 0.12350 | 0.00000 | 602892.1 | 489392.1 | 0.0 | S |
| 219.367 | 0.0000 | 0.0000 | 80.738 | 0.12349 | 0.00000 | 602892.1 | 489395.8 | 0.0 | S |
| 219.375 | 0.0000 | 0.0000 | 80.738 | 0.12349 | 0.00000 | 602892.1 | 489399.5 | 0.0 | S |
| 219.383 | 0.0000 | 0.0000 | 80.738 | 0.12348 | 0.00000 | 602892.1 | 489403.2 | 0.0 | S |
| 219.392 | 0.0000 | 0.0000 | 80.738 | 0.12348 | 0.00000 | 602892.1 | 489406.9 | 0.0 | S |
| 219.400 | 0.0000 | 0.0000 | 80.738 | 0.12347 | 0.00000 | 602892.1 | 489410.6 | 0.0 | S |
| 219.408 | 0.0000 | 0.0000 | 80.738 | 0.12347 | 0.00000 | 602892.1 | 489414.3 | 0.0 | S |
| 219.417 | 0.0000 | 0.0000 | 80.738 | 0.12346 | 0.00000 | 602892.1 | 489418.0 | 0.0 | S |
| 219.425 | 0.0000 | 0.0000 | 80.738 | 0.12346 | 0.00000 | 602892.1 | 489421.8 | 0.0 | S |
| 219.433 | 0.0000 | 0.0000 | 80.738 | 0.12345 | 0.00000 | 602892.1 | 489425.4 | 0.0 | S |
| 219.442 | 0.0000 | 0.0000 | 80.738 | 0.12345 | 0.00000 | 602892.1 | 489429.2 | 0.0 | S |
| 219.450 | 0.0000 | 0.0000 | 80.737 | 0.12344 | 0.00000 | 602892.1 | 489432.8 | 0.0 | S |
| 219.458 | 0.0000 | 0.0000 | 80.737 | 0.12343 | 0.00000 | 602892.1 | 489436.6 | 0.0 | S |
| 219.467 | 0.0000 | 0.0000 | 80.737 | 0.12343 | 0.00000 | 602892.1 | 489440.3 | 0.0 | S |
| 219.475 | 0.0000 | 0.0000 | 80.737 | 0.12342 | 0.00000 | 602892.1 | 489444.0 | 0.0 | S |
| 219.483 | 0.0000 | 0.0000 | 80.737 | 0.12342 | 0.00000 | 602892.1 | 489447.7 | 0.0 | S |
| 219.492 | 0.0000 | 0.0000 | 80.737 | 0.12341 | 0.00000 | 602892.1 | 489451.4 | 0.0 | S |
| 219.500 | 0.0000 | 0.0000 | 80.737 | 0.12341 | 0.00000 | 602892.1 | 489455.1 | 0.0 | S |
| 219.508 | 0.0000 | 0.0000 | 80.737 | 0.12340 | 0.00000 | 602892.1 | 489458.8 | 0.0 | S |
| 219.517 | 0.0000 | 0.0000 | 80.737 | 0.12340 | 0.00000 | 602892.1 | 489462.5 | 0.0 | S |
| 219.525 | 0.0000 | 0.0000 | 80.737 | 0.12339 | 0.00000 | 602892.1 | 489466.2 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Cumutative inflow Volume ( $\mathrm{H}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{t}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 219.533 | 0.0000 | 0.0000 | 80.737 | 0.12339 | 0.00000 | 602892.1 | 489469.9 | 0.0 | S |
| 219.542 | 0.0000 | 0.0000 | 80.737 | 0.12338 | 0.00000 | 602892.1 | 489473.6 | 0.0 | S |
| 219.550 | 0.0000 | 0.0000 | 80.737 | 0.12338 | 0.00000 | 602892.1 | 489477.3 | 0.0 | S |
| 219.558 | 0.0000 | 0.0000 | 80.736 | 0.12337 | 0.00000 | 602892.1 | 489481.0 | 0.0 | S |
| 219.567 | 0.0000 | 0.0000 | 80.736 | 0.12337 | 0.00000 | 602892.1 | 489484.7 | 0.0 | S |
| 219.575 | 0.0000 | 0.0000 | 80.736 | 0.12336 | 0.00000 | 602892.1 | 489488.4 | 0.0 | S |
| 219.583 | 0.0000 | 0.0000 | 80.736 | 0.12336 | 0.00000 | 602892.1 | 489492.1 | 0.0 | S |
| 219.592 | 0.0000 | 0.0000 | 80.736 | 0.12335 | 0.00000 | 602892.1 | 489495.8 | 0.0 | S |
| 219.600 | 0.0000 | 0.0000 | 80.736 | 0.12335 | 0.00000 | 602892.1 | 489499.5 | 0.0 | S |
| 219.608 | 0.0000 | 0.0000 | 80.736 | 0.12334 | 0.00000 | 602892.1 | 489503.2 | 0.0 | S |
| 219,617 | 0.0000 | 0.0000 | 80.736 | 0.12334 | 0.00000 | 602892.1 | 489506.9 | 0.0 | S |
| 219.625 | 0.0000 | 0.0000 | 80.736 | 0.12333 | 0.00000 | 602892.1 | 489510.6 | 0.0 | S |
| 219.633 | 0.0000 | 0.0000 | 80.736 | 0.12333 | 0.00000 | 602892.1 | 489514.3 | 0.0 | S |
| 219.642 | 0.0000 | 0.0000 | 80.736 | 0.12332 | 0.00000 | 602892.1 | 489518.0 | 0.0 | S |
| 219.650 | 0.0000 | 0.0000 | 80.736 | 0.12331 | 0.00000 | 602892.1 | 489521.7 | 0.0 | S |
| 219.658 | 0.0000 | 0.0000 | 80.736 | 0.12331 | 0.00000 | 602892.1 | 489525.4 | 0.0 | S |
| 219.667 | 0.0000 | 0.0000 | 80.735 | 0.12330 | 0.00000 | 602892.1 | 489529.1 | 0.0 | S |
| 219.675 | 0.0000 | 0.0000 | 80.735 | 0.12330 | 0.00000 | 602892.1 | 489532.8 | 0.0 | S |
| 219.683 | 0.0000 | 0.0000 | 80.735 | 0.12329 | 0.00000 | 602892.1 | 489536.5 | 0.0 | S |
| 219.692 | 0.0000 | 0.0000 | 80.735 | 0.12329 | 0.00000 | 602892.1 | 489540.2 | 0.0 | S |
| 219.700 | 0.0000 | 0.0000 | 80.735 | 0.12328 | 0.00000 | 602892.1 | 489543.9 | 0.0 | S |
| 219.708 | 0.0000 | 0.0000 | 80.735 | 0.12328 | 0.00000 | 602892.1 | 489547.6 | 0.0 | S |
| 219.717 | 0.0000 | 0.0000 | 80.735 | 0.12327 | 0.00000 | 602892.1 | 489551.3 | 0.0 | S |
| 219.725 | 0.0000 | 0.0000 | 80.735 | 0.12327 | 0.00000 | 602892.1 | 489555.0 | 0.0 | S |
| 219.733 | 0.0000 | 0.0000 | 80.735 | 0.12326 | 0.00000 | 602892.1 | 489558.7 | 0.0 | S |
| 219.742 | 0.0000 | 0.0000 | 80.735 | 0.12326 | 0.00000 | 602892.1 | 489562.4 | 0.0 | S |
| 219.750 | 0.0000 | 0.0000 | 80.735 | 0.12325 | 0.00000 | 602892.1 | 489566.1 | 0.0 | S |
| 219.758 | 0.0000 | 0.0000 | 80.735 | 0.12325 | 0.00000 | 602892.1 | 489569.8 | 0.0 | S |
| 219.767 | 0.0000 | 0.0000 | 80.735 | 0.12324 | 0.00000 | 602892.1 | 489573.5 | 0.0 | S |
| 219.775 | 0.0000 | 0.0000 | 80.735 | 0.12324 | 0.00000 | 602892.1 | 489577.2 | 0.0 | S |
| 219.783 | 0.0000 | 0.0000 | 80.734 | 0.12323 | 0.00000 | 602892.1 | 489580.8 | 0.0 | S |
| 219.792 | 0.0000 | 0.0000 | 80.734 | 0.12323 | 0.00000 | 602892.1 | 489584.6 | 0.0 | S |
| 219.800 | 0.0000 | 0.0000 | 80.734 | 0.12322 | 0.00000 | 602892.1 | 489588.3 | 0.0 | S |
| 219.808 | 0.0000 | 0.0000 | 80.734 | 0.12322 | 0.00000 | 602892.1 | 489591.9 | 0.0 | S |
| 219.817 | 0.0000 | 0.0000 | 80.734 | 0.12321 | 0.00000 | 602892.1 | 489595.7 | 0.0 | S |
| 219.825 | 0.0000 | 0.0000 | 80.734 | 0.12321 | 0.00000 | 602892.1 | 489599.3 | 0.0 | S |
| 219.833 | 0.0000 | 0.0000 | 80.734 | 0.12320 | 0.00000 | 602892.1 | 489603.0 | 0.0 | S |
| 219.842 | 0.0000 | 0.0000 | 80.734 | 0.12320 | 0.00000 | 602892.1 | 489606.7 | 0.0 | S |
| 219.850 | 0.0000 | 0.0000 | 80.734 | 0.12319 | 0.00000 | 602892.1 | 489610.4 | 0.0 | S |
| 219.858 | 0.0000 | 0.0000 | 80.734 | 0.12319 | 0.00000 | 602892.1 | 489614.1 | 0.0 | S |
| 219.867 | 0.0000 | 0.0000 | 80.734 | 0.12318 | 0.00000 | 602892.1 | 489617.8 | 0.0 | S |
| 219.875 | 0.0000 | 0.0000 | 80.734 | 0.12317 | 0.00000 | 602892.1 | 489621.5 | 0.0 | S |
| 219.883 | 0.0000 | 0.0000 | 80.734 | 0.12317 | 0.00000 | 602892.1 | 489625.2 | 0.0 | S |
| 219.892 | 0.0000 | 0.0000 | 80.733 | 0.12316 | 0.00000 | 602892.1 | 489628.9 | 0.0 | S |
| 219.900 | 0.0000 | 0.0000 | 80.733 | 0.12316 | 0.00000 | 602892.1 | 489632.6 | 0.0 | S |
| 219.908 | 0.0000 | 0.0000 | 80.733 | 0.12315 | 0.00000 | 602892.1 | 489636.3 | 0.0 | S |
| 219.917 | 0.0000 | 0.0000 | 80.733 | 0.12315 | 0.00000 | 602892.1 | 489640.0 | 0.0 | S |
| 219.925 | 0.0000 | 0.0000 | 80.733 | 0.12314 | 0.00000 | 602892.1 | 489643.7 | 0.0 | S |
| 219.933 | 0.0000 | 0.0000 | 80.733 | 0.12314 | 0.00000 | 602892.1 | 489647.4 | 0.0 | S |
| 219.942 | 0.0000 | 0.0000 | 80.733 | 0.12313 | 0.00000 | 602892.1 | 489651.1 | 0.0 | S |
| 219.950 | 0.0000 | 0.0000 | 80.733 | 0.12313 | 0.00000 | 602892.1 | 489654.8 | 0.0 | S |
| 219.958 | 0.0000 | 0.0000 | 80.733 | 0.12312 | 0.00000 | 602892.1 | 489658.5 | 0.0 | S |
| 219.967 | 0.0000 | 0.0000 | 80.733 | 0.12312 | 0.00000 | 602892.1 | 489662.2 | 0.0 | S |
| 219.975 | 0.0000 | 0.0000 | 80.733 | 0.12311 | 0.00000 | 602892.1 | 489665.8 | 0.0 | S |
| 219.983 | 0.0000 | 0.0000 | 80.733 | 0.12311 | 0.00000 | 602892.1 | 489669.5 | 0.0 | S |
| 219.992 | 0.0000 | 0.0000 | 80.733 | 0.12310 | 0.00000 | 602892.1 | 489673.2 | 0.0 | S |
| 220.000 | 0.0000 | 0.0000 | 80.733 | 0.12310 | 0.00000 | 602892.1 | 489676.9 | 0.0 | S |
| 220.008 | 0.0000 | 0.0000 | 80.732 | 0.12309 | 0.00000 | 602892.1 | 489680.6 | 0.0 | S |
| 220.017 | 0.0000 | 0.0000 | 80.732 | 0.12309 | 0.00000 | 602892.1 | 489684.3 | 0.0 | S |
| 220.025 | 0.0000 | 0.0000 | 80.732 | 0.12308 | 0.00000 | 602892.1 | 489688.0 | 0.0 | S |
| 220.033 | 0.0000 | 0.0000 | 80.732 | 0.12308 | 0.00000 | 602892.1 | 489691.7 | 0.0 | S |
| 220.042 | 0.0000 | 0.0000 | 80.732 | 0.12307 | 0.00000 | 602892.1 | 489695.4 | 0.0 | S |
| 220.050 | 0.0000 | 0.0000 | 80.732 | 0.12307 | 0.00000 | 602892.1 | 489699.1 | 0.0 | S |
| 220.058 | 0.0000 | 0.0000 | 80.732 | 0.12306 | 0.00000 | 602892.1 | 489702.8 | 0.0 | S |
| 220.067 | 0.0000 | 0.0000 | 80.732 | 0.12306 | 0.00000 | 602892.1 | 489706.5 | 0.0 | S |
| 220.075 | 0.0000 | 0.0000 | 80.732 | 0.12305 | 0.00000 | 602892.1 | 489710.2 | 0.0 | S |
| 220.083 | 0.0000 | 0.0000 | 80.732 | 0.12304 | 0.00000 | 602892.1 | 489713.8 | 0.0 | S |
| 220.092 | 0.0000 | 0.0000 | 80.732 | 0.12304 | 0.00000 | 602892.1 | 489717.5 | 0.0 | S |
| 220.100 | 0.0000 | 0.0000 | 80.732 | 0.12303 | 0.00000 | 602892.1 | 489721.2 | 0.0 | S |
| 220.108 | 0.0000 | 0.0000 | 80.732 | 0.12303 | 0.00000 | 602892.1 | 489724.9 | 0.0 | S |
| 220.117 | 0.0000 | 0.0000 | 80.731 | 0.12302 | 0.00000 | 602892.1 | 489728.6 | 0.0 | S |
| 220.125 | 0.0000 | 0.0000 | 80.731 | 0.12302 | 0.00000 | 602892.1 | 489732.3 | 0.0 | S |
| 220.133 | 0.0000 | 0.0000 | 80.731 | 0.12301 | 0.00000 | 602892.1 | 489736.0 | 0.0 | S |
| 220.142 | 0.0000 | 0.0000 | 80.731 | 0.12301 | 0.00000 | 602892.1 | 489739.7 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario $1::$ pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{fl}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{ft}^{3 / 3}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Infiltration Voiume ( $\mathrm{fl}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{fl}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 220.150 | 0.0000 | 0.0000 | 80.731 | 0.12300 | 0.00000 | 602892.1 | 489743.4 | 0.0 | S |
| 220.158 | 0.0000 | 0.0000 | 80.731 | 0.12300 | 0.00000 | 602892.1 | 489747.1 | 0.0 | S |
| 220.167 | 0.0000 | 0.0000 | 80.731 | 0.12299 | 0.00000 | 602892.1 | 489750.8 | 0.0 | S |
| 220.175 | 0.0000 | 0.0000 | 80.731 | 0.12299 | 0.00000 | 602892.1 | 489754.4 | 0.0 | S |
| 220.183 | 0.0000 | 0.0000 | 80.731 | 0.12298 | 0.00000 | 602892.1 | 489758.1 | 0.0 | S |
| 220.192 | 0.0000 | 0.0000 | 80.731 | 0.12298 | 0.00000 | 602892.1 | 489761.8 | 0.0 | S |
| 220.200 | 0.0000 | 0.0000 | 80.731 | 0.12297 | 0.00000 | 602892.1 | 489765.5 | 0.0 | S |
| 220.208 | 0.0000 | 0.0000 | 80.731 | 0.12297 | 0.00000 | 602892.1 | 489769.2 | 0.0 | S |
| 220.217 | 0.0000 | 0.0000 | 80.731 | 0.12296 | 0.00000 | 602892.1 | 489772.9 | 0.0 | S |
| 220.225 | 0.0000 | 0.0000 | 80.731 | 0.12296 | 0.00000 | 602892.1 | 489776.6 | 0.0 | S |
| 220.233 | 0.0000 | 0.0000 | 80.730 | 0.12295 | 0.00000 | 602892.1 | 489780.3 | 0.0 | S |
| 220.242 | 0.0000 | 0.0000 | 80.730 | 0.12295 | 0.00000 | 602892.1 | 489783.9 | 0.0 | S |
| 220.250 | 0.0000 | 0.0000 | 80.730 | 0.12294 | 0.00000 | 602892.1 | 489787.7 | 0.0 | S |
| 220.258 | 0.0000 | 0.0000 | 80.730 | 0.12294 | 0.00000 | 602892.1 | 489791.3 | 0.0 | S |
| 220.267 | 0.0000 | 0.0000 | 80.730 | 0.12293 | 0.00000 | 602892.1 | 489795.0 | 0.0 | S |
| 220.275 | 0.0000 | 0.0000 | 80.730 | 0.12293 | 0.00000 | 602892.1 | 489798.7 | 0.0 | S |
| 220.283 | 0.0000 | 0.0000 | 80.730 | 0.12292 | 0.00000 | 602892.1 | 489802.4 | 0.0 | S |
| 220.292 | 0.0000 | 0.0000 | 80.730 | 0.12292 | 0.00000 | 602892.1 | 489806.1 | 0.0 | S |
| 220.300 | 0.0000 | 0.0000 | 80.730 | 0.12291 | 0.00000 | 602892.1 | 489809.8 | 0.0 | S |
| 220.308 | 0.0000 | 0.0000 | 80.730 | 0.12291 | 0.00000 | 602892.1 | 489813.5 | 0.0 | S |
| 220.317 | 0.0000 | 0.0000 | 80.730 | 0.12290 | 0.00000 | 602892.1 | 489817.2 | 0.0 | S |
| 220.325 | 0.0000 | 0.0000 | 80.730 | 0.12289 | 0.00000 | 602892.1 | 489820.8 | 0.0 | S |
| 220.333 | 0.0000 | 0.0000 | 80.730 | 0.12289 | 0.00000 | 602892.1 | 489824.5 | 0.0 | S |
| 220.342 | 0.0000 | 0.0000 | 80.729 | 0.12288 | 0.00000 | 602892.1 | 489828.2 | 0.0 | S |
| 220.350 | 0.0000 | 0.0000 | 80.729 | 0.12288 | 0.00000 | 602892.1 | 489831.9 | 0.0 | S |
| 220.358 | 0.0000 | 0.0000 | 80.729 | 0.12287 | 0.00000 | 602892.1 | 489835.6 | 0.0 | S |
| 220.367 | 0.0000 | 0.0000 | 80.729 | 0.12287 | 0.00000 | 602892.1 | 489839.3 | 0.0 | S |
| 220.375 | 0.0000 | 0.0000 | 80.729 | 0.12286 | 0.00000 | 602892.1 | 489842.9 | 0.0 | S |
| 220.383 | 0.0000 | 0.0000 | 80.729 | 0.12286 | 0.00000 | 602892.1 | 489846.6 | 0.0 | S |
| 220.392 | 0.0000 | 0.0000 | 80.729 | 0.12285 | 0.00000 | 602892.1 | 489850.3 | 0.0 | S |
| 220.400 | 0.0000 | 0.0000 | 80.729 | 0.12285 | 0.00000 | 602892.1 | 489854.0 | 0.0 | S |
| 220.408 | 0.0000 | 0.0000 | 80.729 | 0.12284 | 0.00000 | 602892.1 | 489857.7 | 0.0 | S |
| 220.417 | 0.0000 | 0.0000 | 80.729 | 0.12284 | 0.00000 | 602892.1 | 489861.4 | 0.0 | S |
| 220.425 | 0.0000 | 0.0000 | 80.729 | 0.12283 | 0.00000 | 602892.1 | 489865.1 | 0.0 | S |
| 220.433 | 0.0000 | 0.0000 | 80.729 | 0.12283 | 0.00000 | 602892.1 | 489868.8 | 0.0 | S |
| 220.442 | 0.0000 | 0.0000 | 80.729 | 0.12282 | 0.00000 | 602892.1 | 489872.4 | 0.0 | S |
| 220.450 | 0.0000 | 0.0000 | 80.729 | 0.12282 | 0.00000 | 602892.1 | 489876.1 | 0.0 | S |
| 220.458 | 0.0000 | 0.0000 | 80.728 | 0.12281 | 0.00000 | 602892.1 | 489879.8 | 0.0 | S |
| 220.467 | 0.0000 | 0.0000 | 80.728 | 0.12281 | 0.00000 | 602892.1 | 489883.5 | 0.0 | S |
| 220.475 | 0.0000 | 0.0000 | 80.728 | 0.12280 | 0.00000 | 602892.1 | 489887.2 | 0.0 | S |
| 220.483 | 0.0000 | 0.0000 | 80.728 | 0.12280 | 0.00000 | 602892.1 | 489890.8 | 0.0 | S |
| 220.492 | 0.0000 | 0.0000 | 80.728 | 0.12279 | 0.00000 | 602892.1 | 489894.5 | 0.0 | S |
| 220.500 | 0.0000 | 0.0000 | 80.728 | 0.12279 | 0.00000 | 602892.1 | 489898.2 | 0.0 | S |
| 220.508 | 0.0000 | 0.0000 | 80.728 | 0.12278 | 0.00000 | 602892.1 | 489901.9 | 0.0 | S |
| 220.517 | 0.0000 | 0.0000 | 80.728 | 0.12278 | 0.00000 | 602892.1 | 489905.6 | 0.0 | S |
| 220.525 | 0.0000 | 0.0000 | 80.728 | 0.12277 | 0.00000 | 602892.1 | 489909.3 | 0.0 | S |
| 220.533 | 0.0000 | 0.0000 | 80.728 | 0.12277 | 0.00000 | 602892.1 | 489912.9 | 0.0 | S |
| 220.542 | 0.0000 | 0.0000 | 80.728 | 0.12276 | 0.00000 | 602892.1 | 489916.6 | 0.0 | S |
| 220.550 | 0.0000 | 0.0000 | 80.728 | 0.12276 | 0.00000 | 602892.1 | 489920.3 | 0.0 | S |
| 220.558 | 0.0000 | 0.0000 | 80.728 | 0.12275 | 0.00000 | 602892.1 | 489924.0 | 0.0 | S |
| 220.567 | 0.0000 | 0.0000 | 80.727 | 0.12274 | 0.00000 | 602892.1 | 489927.7 | 0.0 | S |
| 220.575 | 0.0000 | 0.0000 | 80.727 | 0.12274 | 0.00000 | 602892.1 | 489931.4 | 0.0 | S |
| 220.583 | 0.0000 | 0.0000 | 80.727 | 0.12273 | 0.00000 | 602892.1 | 489935.0 | 0.0 | S |
| 220.592 | 0.0000 | 0.0000 | 80.727 | 0.12273 | 0.00000 | 602892.1 | 489938.7 | 0.0 | S |
| 220.600 | 0.0000 | 0.0000 | 80.727 | 0.12272 | 0.00000 | 602892.1 | 489942.4 | 0.0 | S |
| 220.608 | 0.0000 | 0.0000 | 80.727 | 0.12272 | 0.00000 | 602892.1 | 489946.1 | 0.0 | S |
| 220.617 | 0.0000 | 0.0000 | 80.727 | 0.12271 | 0.00000 | 602892.1 | 489949.8 | 0.0 | S |
| 220.625 | 0.0000 | 0.0000 | 80.727 | 0.12271 | 0.00000 | 602892.1 | 489953.5 | 0.0 | S |
| 220.633 | 0.0000 | 0.0000 | 80.727 | 0.12270 | 0.00000 | 602892.1 | 489957.1 | 0.0 | S |
| 220.642 | 0.0000 | 0.0000 | 80.727 | 0.12270 | 0.00000 | 602892.1 | 489960.8 | 0.0 | S |
| 220.650 | 0.0000 | 0.0000 | 80.727 | 0.12269 | 0.00000 | 602892.1 | 489964.5 | 0.0 | S |
| 220.658 | 0.0000 | 0.0000 | 80.727 | 0.12269 | 0.00000 | 602892.1 | 489968.2 | 0.0 | S |
| 220.667 | 0.0000 | 0.0000 | 80.727 | 0.12268 | 0.00000 | 602892.1 | 489971.8 | 0.0 | S |
| 220.675 | 0.0000 | 0.0000 | 80.726 | 0.12268 | 0.00000 | 602892.1 | 489975.5 | 0.0 | S |
| 220.683 | 0.0000 | 0.0000 | 80.726 | 0.12267 | 0.00000 | 602892.1 | 489979.2 | 0.0 | S |
| 220.692 | 0.0000 | 0.0000 | 80.726 | 0.12267 | 0.00000 | 602892.1 | 489982.9 | 0.0 | S |
| 220.700 | 0.0000 | 0.0000 | 80.726 | 0.12266 | 0.00000 | 602892.1 | 489986.6 | 0.0 | S |
| 220.708 | 0.0000 | 0.0000 | 80.726 | 0.12266 | 0.00000 | 602892.1 | 489990.3 | 0.0 | S |
| 220.717 | 0.0000 | 0.0000 | 80.726 | 0.12265 | 0.00000 | 602892.1 | 489993.9 | 0.0 | S |
| 220.725 | 0.0000 | 0.0000 | 80.726 | 0.12265 | 0.00000 | 602892.1 | 489997.6 | 0.0 | S |
| 220.733 | 0.0000 | 0.0000 | 80.726 | 0.12264 | 0.00000 | 602892.1 | 490001.3 | 0.0 | S |
| 220.742 | 0.0000 | 0.0000 | 80.726 | 0.12264 | 0.00000 | 602892.1 | 490005.0 | 0.0 | S |
| 220.750 | 0.0000 | 0.0000 | 80.726 | 0.12263 | 0.00000 | 602892.1 | 490008.7 | 0.0 | S |
| 220.758 | 0.0000 | 0.0000 | 80.726 | 0.12263 | 0.00000 | 602892.1 | 490012.3 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3 / 5}$ ) | Outside Recharge (fUday) | Stage Elevation (ft datum) | Infiltration Rate (ftis) | Overflow Discharge (fis/s) | Cumulative inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 220.767 | 0.0000 | 0.0000 | 80.726 | 0.12262 | 0.00000 | 602892.1 | 490016.0 | 0.0 | S |
| 220.775 | 0.0000 | 0.0000 | 80.726 | 0.12262 | 0.00000 | 602892.1 | 490019.7 | 0.0 | S |
| 220.783 | 0.0000 | 0.0000 | 80.726 | 0.12261 | 0.00000 | 602892.1 | 490023.4 | 0.0 | S |
| 220.792 | 0.0000 | 0.0000 | 80.725 | 0.12261 | 0.00000 | 602892.1 | 490027.1 | 0.0 | S |
| 220.800 | 0.0000 | 0.0000 | 80.725 | 0.12260 | 0.00000 | 602892.1 | 490030.7 | 0.0 | S |
| 220.808 | 0.0000 | 0.0000 | 80.725 | 0.12260 | 0.00000 | 602892.1 | 490034.4 | 0.0 | S |
| 220.817 | 0.0000 | 0.0000 | 80.725 | 0.12259 | 0.00000 | 602892.1 | 490038.1 | 0.0 | S |
| 220.825 | 0.0000 | 0.0000 | 80.725 | 0.12259 | 0.00000 | 602892.1 | 490041.8 | 0.0 | S |
| 220.833 | 0.0000 | 0.0000 | 80.725 | 0.12258 | 0.00000 | 602892.1 | 490045.4 | 0.0 | S |
| 220.842 | 0.0000 | 0.0000 | 80.725 | 0.12257 | 0.00000 | 602892.1 | 490049.1 | 0.0 | S |
| 220.850 | 0.0000 | 0.0000 | 80.725 | 0.12257 | 0.00000 | 602892.1 | 490052.8 | 0.0 | S |
| 220.858 | 0.0000 | 0.0000 | 80.725 | 0.12256 | 0.00000 | 602892.1 | 490056.5 | 0.0 | S |
| 220.867 | 0.0000 | 0.0000 | 80.725 | 0.12256 | 0.00000 | 602892.1 | 490060.2 | 0.0 | S |
| 220.875 | 0.0000 | 0.0000 | 80.725 | 0.12255 | 0.00000 | 602892.1 | 490063.8 | 0.0 | S |
| 220.883 | 0.0000 | 0.0000 | 80.725 | 0.12255 | 0.00000 | 602892.1 | 490067.5 | 0.0 | S |
| 220.892 | 0.0000 | 0.0000 | 80.725 | 0.12254 | 0.00000 | 602892.1 | 490071.2 | 0.0 | S |
| 220.900 | 0.0000 | 0.0000 | 80.724 | 0.12254 | 0.00000 | 602892.1 | 490074.8 | 0.0 | S |
| 220.908 | 0.0000 | 0.0000 | 80.724 | 0.12253 | 0.00000 | 602892.1 | 490078.5 | 0.0 | S |
| 220.917 | 0.0000 | 0.0000 | 80.724 | 0.12253 | 0.00000 | 602892.1 | 490082.2 | 0.0 | S |
| 220.925 | 0.0000 | 0.0000 | 80.724 | 0.12252 | 0.00000 | 602892.1 | 490085.9 | 0.0 | S |
| 220.933 | 0.0000 | 0.0000 | 80.724 | 0.12252 | 0.00000 | 602892.1 | 490089.6 | 0.0 | S |
| 220.942 | 0.0000 | 0.0000 | 80.724 | 0.12251 | 0.00000 | 602892.1 | 490093.2 | 0.0 | S |
| 220.950 | 0.0000 | 0.0000 | 80.724 | 0.12251 | 0.00000 | 602892.1 | 490096.9 | 0.0 | S |
| 220.958 | 0.0000 | 0.0000 | 80.724 | 0.12250 | 0.00000 | 602892.1 | 490100.6 | 0.0 | S |
| 220.967 | 0.0000 | 0.0000 | 80.724 | 0.12250 | 0.00000 | 602892.1 | 490104.3 | 0.0 | S |
| 220.975 | 0.0000 | 0.0000 | 80.724 | 0.12249 | 0.00000 | 602892.1 | 490107.9 | 0.0 | S |
| 220.983 | 0.0000 | 0.0000 | 80.724 | 0.12249 | 0.00000 | 602892.1 | 490111.6 | 0.0 | S |
| 220.992 | 0.0000 | 0.0000 | 80.724 | 0.12248 | 0.00000 | 602892.1 | 490115.3 | 0.0 | S |
| 221.000 | 0.0000 | 0.0000 | 80.724 | 0.12248 | 0.00000 | 602892.1 | 490119.0 | 0.0 | S |
| 221.008 | 0.0000 | 0.0000 | 80.724 | 0.12247 | 0.00000 | 602892.1 | 490122.6 | 0.0 | S |
| 221.017 | 0.0000 | 0.0000 | 80.723 | 0.12247 | 0.00000 | 602892.1 | 490126.3 | 0.0 | S |
| 221.025 | 0.0000 | 0.0000 | 80.723 | 0.12246 | 0.00000 | 602892.1 | 490130.0 | 0.0 | S |
| 221.033 | 0.0000 | 0.0000 | 80.723 | 0.12246 | 0.00000 | 602892.1 | 490133.7 | 0.0 | S |
| 221.042 | 0.0000 | 0.0000 | 80.723 | 0.12245 | 0.00000 | 602892.1 | 490137.3 | 0.0 | S |
| 221.050 | 0.0000 | 0.0000 | 80.723 | 0.12245 | 0.00000 | 602892.1 | 490141.0 | 0.0 | S |
| 221.058 | 0.0000 | 0.0000 | 80.723 | 0.12244 | 0.00000 | 602892.1 | 490144.7 | 0.0 | S |
| 221.067 | 0.0000 | 0.0000 | 80.723 | 0.12244 | 0.00000 | 602892.1 | 490148.3 | 0.0 | S |
| 221.075 | 0.0000 | 0.0000 | 80.723 | 0.12243 | 0.00000 | 602892.1 | 490152.0 | 0.0 | S |
| 221.083 | 0.0000 | 0.0000 | 80.723 | 0.12243 | 0.00000 | 602892.1 | 490155.7 | 0.0 | S |
| 221.092 | 0.0000 | 0.0000 | 80.723 | 0.12242 | 0.00000 | 602892.1 | 490159.4 | 0.0 | S |
| 221.100 | 0.0000 | 0.0000 | 80.723 | 0.12242 | 0.00000 | 602892.1 | 490163.0 | 0.0 | S |
| 221.108 | 0.0000 | 0.0000 | 80.723 | 0.12241 | 0.00000 | 602892.1 | 490166.7 | 0.0 | S |
| 221.117 | 0.0000 | 0.0000 | 80.723 | 0.12241 | 0.00000 | 602892.1 | 490170.4 | 0.0 | S |
| 221.125 | 0.0000 | 0.0000 | 80.723 | 0.12240 | 0.00000 | 602892.1 | 490174.1 | 0.0 | S |
| 221.133 | 0.0000 | 0.0000 | 80.722 | 0.12239 | 0.00000 | 602892.1 | 490177.7 | 0.0 | S |
| 221.142 | 0.0000 | 0.0000 | 80.722 | 0.12239 | 0.00000 | 602892.1 | 490181.4 | 0.0 | S |
| 221.150 | 0.0000 | 0.0000 | 80.722 | 0.12238 | 0.00000 | 602892.1 | 490185.1 | 0.0 | S |
| 221.158 | 0.0000 | 0.0000 | 80.722 | 0.12238 | 0.00000 | 602892.1 | 490188.8 | 0.0 | S |
| 221.167 | 0.0000 | 0.0000 | 80.722 | 0.12237 | 0.00000 | 602892.1 | 490192.4 | 0.0 | S |
| 221.175 | 0.0000 | 0.0000 | 80.722 | 0.12237 | 0.00000 | 602892.1 | 490196.1 | 0.0 | S |
| 221.183 | 0.0000 | 0.0000 | 80.722 | 0.12236 | 0.00000 | 602892.1 | 490199.8 | 0.0 | S |
| 221.192 | 0.0000 | 0.0000 | 80.722 | 0.12236 | 0.00000 | 602892.1 | 490203.4 | 0.0 | S |
| 221.200 | 0.0000 | 0.0000 | 80.722 | 0.12235 | 0.00000 | 602892.1 | 490207.1 | 0.0 | S |
| 221.208 | 0.0000 | 0.0000 | 80.722 | 0.12235 | 0.00000 | 602892.1 | 490210.8 | 0.0 | S |
| 221.217 | 0.0000 | 0.0000 | 80.722 | 0.12234 | 0.00000 | 602892.1 | 490214.4 | 0.0 | S |
| 221.225 | 0.0000 | 0.0000 | 80.722 | 0.12234 | 0.00000 | 602892.1 | 490218.1 | 0.0 | S |
| 221.233 | 0.0000 | 0.0000 | 80.722 | 0.12233 | 0.00000 | 602892.1 | 490221.8 | 0.0 | S |
| 221.242 | 0.0000 | 0.0000 | 80.721 | 0.12233 | 0.00000 | 602892.1 | 490225.4 | 0.0 | S |
| 221.250 | 0.0000 | 0.0000 | 80.721 | 0.12232 | 0.00000 | 602892.1 | 490229.1 | 0.0 | S |
| 221.258 | 0.0000 | 0.0000 | 80.721 | 0.12232 | 0.00000 | 602892.1 | 490232.8 | 0.0 | S |
| 221.267 | 0.0000 | 0.0000 | 80.721 | 0.12231 | 0.00000 | 602892.1 | 490236.5 | 0.0 | S |
| 221.275 | 0.0000 | 0.0000 | 80.721 | 0.12231 | 0.00000 | 602892.1 | 490240.1 | 0.0 | S |
| 221.283 | 0.0000 | 0.0000 | 80.721 | 0.12230 | 0.00000 | 602892.1 | 490243.8 | 0.0 | S |
| 221.292 | 0.0000 | 0.0000 | 80.721 | 0.12230 | 0.00000 | 602892.1 | 490247.5 | 0.0 | S |
| 221.300 | 0.0000 | 0.0000 | 80.721 | 0.12229 | 0.00000 | 602892.1 | 490251.1 | 0.0 | S |
| 221.308 | 0.0000 | 0.0000 | 80.721 | 0.12229 | 0.00000 | 602892.1 | 490254.8 | 0.0 | S |
| 221.317 | 0.0000 | 0.0000 | 80.721 | 0.12228 | 0.00000 | 602892.1 | 490258.5 | 0.0 | S |
| 221.325 | 0.0000 | 0.0000 | 80.721 | 0.12228 | 0.00000 | 602892.1 | 490262.1 | 0.0 | S |
| 221.333 | 0.0000 | 0.0000 | 80.721 | 0.12227 | 0.00000 | 602892.1 | 490265.8 | 0.0 | S |
| 221.342 | 0.0000 | 0.0000 | 80.721 | 0.12227 | 0.00000 | 602892.1 | 490269.5 | 0.0 | S |
| 221.350 | 0.0000 | 0.0000 | 80.721 | 0.12226 | 0.00000 | 602892.1 | 490273.1 | 0.0 | S |
| 221.358 | 0.0000 | 0.0000 | 80.720 | 0.12226 | 0.00000 | 602892.1 | 490276.8 | 0.0 | S |
| 221.367 | 0.0000 | 0.0000 | 80.720 | 0.12225 | 0.00000 | 602892.1 | 490280.5 | 0.0 | S |
| 221.375 | 0.0000 | 0.0000 | 80.720 | 0.12225 | 0.00000 | 602892.1 | 490284.2 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (fl/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{t}^{3 / 5}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 221.383 | 0.0000 | 0.0000 | 80.720 | 0.12224 | 0.00000 | 602892.1 | 490287.8 | 0.0 | S |
| 221.392 | 0.0000 | 0.0000 | 80.720 | 0.12224 | 0.00000 | 602892.1 | 490291.5 | 0.0 | S |
| 221.400 | 0.0000 | 0.0000 | 80.720 | 0.12223 | 0.00000 | 602892.1 | 490295.2 | 0.0 | S |
| 221.408 | 0.0000 | 0.0000 | 80.720 | 0.12223 | 0.00000 | 602892.1 | 490298.8 | 0.0 | S |
| 221.417 | 0.0000 | 0.0000 | 80.720 | 0.12222 | 0.00000 | 602892.1 | 490302.5 | 0.0 | S |
| 221.425 | 0.0000 | 0.0000 | 80.720 | 0.12222 | 0.00000 | 602892.1 | 490306.2 | 0.0 | S |
| 221.433 | 0.0000 | 0.0000 | 80.720 | 0.12221 | 0.00000 | 602892.1 | 490309.8 | 0.0 | S |
| 221.442 | 0.0000 | 0.0000 | 80.720 | 0.12221 | 0.00000 | 602892.1 | 490313.5 | 0.0 | S |
| 221.450 | 0.0000 | 0.0000 | 80.720 | 0.12220 | 0.00000 | 602892.1 | 490317.2 | 0.0 | S |
| 221.458 | 0.0000 | 0.0000 | 80.720 | 0.12219 | 0.00000 | 602892.1 | 490320.8 | 0.0 | S |
| 221.467 | 0.0000 | 0.0000 | 80.719 | 0.12219 | 0.00000 | 602892.1 | 490324.5 | 0.0 | S |
| 221.475 | 0.0000 | 0.0000 | 80.719 | 0.12218 | 0.00000 | 602892.1 | 490328.1 | 0.0 | S |
| 221.483 | 0.0000 | 0.0000 | 80.719 | 0.12218 | 0.00000 | 602892.1 | 490331.8 | 0.0 | S |
| 221.492 | 0.0000 | 0.0000 | 80.719 | 0.12217 | 0.00000 | 602892.1 | 490335.5 | 0.0 | S |
| 221.500 | 0.0000 | 0.0000 | 80.719 | 0.12217 | 0.00000 | 602892.1 | 490339.1 | 0.0 | S |
| 221.508 | 0.0000 | 0.0000 | 80.719 | 0.12216 | 0.00000 | 602892.1 | 490342.8 | 0.0 | S |
| 221.517 | 0.0000 | 0.0000 | 80.719 | 0.12216 | 0.00000 | 602892.1 | 490346.5 | 0.0 | S |
| 221.525 | 0.0000 | 0.0000 | 80.719 | 0.12215 | 0.00000 | 602892.1 | 490350.1 | 0.0 | S |
| 221.533 | 0.0000 | 0.0000 | 80.719 | 0.12215 | 0.00000 | 602892.1 | 490353.8 | 0.0 | S |
| 221.542 | 0.0000 | 0.0000 | 80.719 | 0.12214 | 0.00000 | 602892.1 | 490357.5 | 0.0 | S |
| 221.550 | 0.0000 | 0.0000 | 80.719 | 0.12214 | 0.00000 | 602892.1 | 490361.1 | 0.0 | S |
| 221.558 | 0.0000 | 0.0000 | 80.719 | 0.12213 | 0.00000 | 602892.1 | 490364.8 | 0.0 | S |
| 221.567 | 0.0000 | 0.0000 | 80.719 | 0.12213 | 0.00000 | 602892.1 | 490368.4 | 0.0 | S |
| 221.575 | 0.0000 | 0.0000 | 80.719 | 0.12212 | 0.00000 | 602892.1 | 490372.1 | 0.0 | S |
| 221.583 | 0.0000 | 0.0000 | 80.718 | 0.12212 | 0.00000 | 602892.1 | 490375.8 | 0.0 | S |
| 221.592 | 0.0000 | 0.0000 | 80.718 | 0.12211 | 0.00000 | 602892.1 | 490379.4 | 0.0 | S |
| 221.600 | 0.0000 | 0.0000 | 80.718 | 0.12211 | 0.00000 | 602892.1 | 490383.1 | 0.0 | S |
| 221.608 | 0.0000 | 0.0000 | 80.718 | 0.12210 | 0.00000 | 602892.1 | 490386.8 | 0.0 | S |
| 221.617 | 0.0000 | 0.0000 | 80.718 | 0.12210 | 0.00000 | 602892.1 | 490390.4 | 0.0 | S |
| 221.625 | 0.0000 | 0.0000 | 80.718 | 0.12209 | 0.00000 | 602892.1 | 490394.1 | 0.0 | S |
| 221.633 | 0.0000 | 0.0000 | 80.718 | 0.12209 | 0.00000 | 602892.1 | 490397.8 | 0.0 | S |
| 221.642 | 0.0000 | 0.0000 | 80.718 | 0.12208 | 0.00000 | 602892.1 | 490401.4 | 0.0 | S |
| 221.650 | 0.0000 | 0.0000 | 80.718 | 0.12208 | 0.00000 | 602892.1 | 490405.1 | 0.0 | S |
| 221.658 | 0.0000 | 0.0000 | 80.718 | 0.12207 | 0.00000 | 602892.1 | 490408.8 | 0.0 | S |
| 221.667 | 0.0000 | 0.0000 | 80.718 | 0.12207 | 0.00000 | 602892.1 | 490412.4 | 0.0 | S |
| 221.675 | 0.0000 | 0.0000 | 80.718 | 0.12206 | 0.00000 | 602892.1 | 490416.1 | 0.0 | S |
| 221.683 | 0.0000 | 0.0000 | 80.718 | 0.12206 | 0.00000 | 602892.1 | 490419.7 | 0.0 | S |
| 221.692 | 0.0000 | 0.0000 | 80.717 | 0.12205 | 0.00000 | 602892.1 | 490423.4 | 0.0 | S |
| 221.700 | 0.0000 | 0.0000 | 80.717 | 0.12205 | 0.00000 | 602892.1 | 490427.1 | 0.0 | S |
| 221.708 | 0.0000 | 0.0000 | 80.717 | 0.12204 | 0.00000 | 602892.1 | 490430.7 | 0.0 | S |
| 221.717 | 0.0000 | 0.0000 | 80.717 | 0.12204 | 0.00000 | 602892.1 | 490434.4 | 0.0 | S |
| 221.725 | 0.0000 | 0.0000 | 80.717 | 0.12203 | 0.00000 | 602892.1 | 490438.0 | 0.0 | S |
| 221.733 | 0.0000 | 0.0000 | 80.717 | 0.12203 | 0.00000 | 602892.1 | 490441.7 | 0.0 | S |
| 221.742 | 0.0000 | 0.0000 | 80.717 | 0.12202 | 0.00000 | 602892.1 | 490445.3 | 0.0 | S |
| 221.750 | 0.0000 | 0.0000 | 80.7 亿7 | 0.12202 | 0.00000 | 602892.1 | 490449.0 | 0.0 | S |
| 221.758 | 0.0000 | 0.0000 | 80.717 | 0.12201 | 0.00000 | 602892.1 | 490452.7 | 0.0 | S |
| 221.767 | 0.0000 | 0.0000 | 80.717 | 0.12201 | 0.00000 | 602892.1 | 490456.3 | 0.0 | S |
| 221.775 | 0.0000 | 0.0000 | 80.717 | 0.12200 | 0.00000 | 602892.1 | 490460.0 | 0.0 | S |
| 221.783 | 0.0000 | 0.0000 | 80.717 | 0.12200 | 0.00000 | 602892.1 | 490463.7 | 0.0 | S |
| 221.792 | 0.0000 | 0.0000 | 80.717 | 0.12199 | 0.00000 | 602892.1 | 490467.3 | 0.0 | S |
| 221.800 | 0.0000 | 0.0000 | 80.717 | 0.12199 | 0.00000 | 602892.1 | 490471.0 | 0.0 | S |
| 221.808 | 0.0000 | 0.0000 | 80.716 | 0.12198 | 0.00000 | 602892.1 | 490474.6 | 0.0 | S |
| 221.817 | 0.0000 | 0.0000 | 80.716 | 0.12197 | 0.00000 | 602892.1 | 490478.3 | 0.0 | S |
| 221.825 | 0.0000 | 0.0000 | 80.716 | 0.12197 | 0.00000 | 602892.1 | 490482.0 | 0.0 | S |
| 221.833 | 0.0000 | 0.0000 | 80.716 | 0.12196 | 0.00000 | 602892.1 | 490485.6 | 0.0 | S |
| 221.842 | 0.0000 | 0.0000 | 80.716 | 0.12196 | 0.00000 | 602892.1 | 490489.3 | 0.0 | S |
| 221.850 | 0.0000 | 0.0000 | 80.716 | 0.12195 | 0.00000 | 602892.1 | 490492.9 | 0.0 | S |
| 221.858 | 0.0000 | 0.0000 | 80.716 | 0.12195 | 0.00000 | 602892.1 | 490496.6 | 0.0 | S |
| 221.867 | 0.0000 | 0.0000 | 80.716 | 0.12194 | 0.00000 | 602892.1 | 490500.3 | 0.0 | S |
| 221.875 | 0.0000 | 0.0000 | 80.716 | 0.12194 | 0.00000 | 602892.1 | 490503.9 | 0.0 | S |
| 221.883 | 0.0000 | 0.0000 | 80.716 | 0.12193 | 0.00000 | 602892.1 | 490507.6 | 0.0 | S |
| 221.892 | 0.0000 | 0.0000 | 80.716 | 0.12193 | 0.00000 | 602892.1 | 490511.2 | 0.0 | S |
| 221.900 | 0.0000 | 0.0000 | 80.716 | 0.12192 | 0.00000 | 602892.1 | 490514.9 | 0.0 | S |
| 221.908 | 0.0000 | 0.0000 | 80.716 | 0.12192 | 0.00000 | 602892.1 | 490518.5 | 0.0 | S |
| 221.917 | 0.0000 | 0.0000 | 80.715 | 0.12191 | 0.00000 | 602892.7 | 490522.2 | 0.0 | S |
| 221.925 | 0.0000 | 0.0000 | 80.715 | 0.12191 | 0.00000 | 602892.1 | 490525.8 | 0.0 | S |
| 221.933 | 0.0000 | 0.0000 | 80.715 | 0.12190 | 0.00000 | 602892.1 | 490529.5 | 0.0 | S |
| 221.942 | 0.0000 | 0.0000 | 80.715 | 0.12190 | 0.00000 | 602892.1 | 490533.2 | 0.0 | S |
| 221.950 | 0.0000 | 0.0000 | 80.715 | 0.12189 | 0.00000 | 602892.1 | 490536.8 | 0.0 | S |
| 221.958 | 0.0000 | 0.0000 | 80.715 | 0.12189 | 0.00000 | 602892.1 | 490540.5 | 0.0 | S |
| 221.967 | 0.0000 | 0.0000 | 80.715 | 0.12188 | 0.00000 | 602892.1 | 490544.1 | 0.0 | S |
| 221.975 | 0.0000 | 0.0000 | 80.715 | 0.12188 | 0.00000 | 602892.1 | 490547.8 | 0.0 | S |
| 221.983 | 0.0000 | 0.0000 | 80.715 | 0.12187 | 0.00000 | 602892.1 | 490551.4 | 0.0 | S |
| 221.992 | 0.0000 | 0.0000 | 80.715 | 0.12187 | 0.00000 | 602892.1 | 490555.1 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}{ }^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 222.000 | 0.0000 | 0.0000 | 80.715 | 0.12186 | 0.00000 | 602892.1 | 490558.8 | 0.0 | S |
| 222.008 | 0.0000 | 0.0000 | 80.715 | 0.12186 | 0.00000 | 602892.1 | 490562.4 | 0.0 | S |
| 222.017 | 0.0000 | 0.0000 | 80.715 | 0.12185 | 0.00000 | 602892.1 | 490566.1 | 0.0 | S |
| 222.025 | 0.0000 | 0.0000 | 80.715 | 0.12185 | 0.00000 | 602892.1 | 490569.7 | 0.0 | S |
| 222.033 | 0.0000 | 0.0000 | 80.714 | 0.12184 | 0.00000 | 602892.1 | 490573.4 | 0.0 | S |
| 222.042 | 0.0000 | 0.0000 | 80.714 | 0.12184 | 0.00000 | 602892.1 | 490577.0 | 0.0 | S |
| 222.050 | 0.0000 | 0.0000 | 80.714 | 0.12183 | 0.00000 | 602892.1 | 490580.7 | 0.0 | S |
| 222.058 | 0.0000 | 0.0000 | 80.714 | 0.12183 | 0.00000 | 602892.1 | 490584.3 | 0.0 | S |
| 222.067 | 0.0000 | 0.0000 | 80.714 | 0.12182 | 0.00000 | 602892.1 | 490588.0 | 0.0 | S |
| 222.075 | 0.0000 | 0.0000 | 80.714 | 0.12182 | 0.00000 | 602892.1 | 490591.7 | 0.0 | S |
| 222.083 | 0.0000 | 0.0000 | 80.714 | 0.12181 | 0.00000 | 602892.1 | 490595.3 | 0.0 | S |
| 222.092 | 0.0000 | 0.0000 | 80.714 | 0.12181 | 0.00000 | 602892.1 | 490599.0 | 0.0 | S |
| 222.100 | 0.0000 | 0.0000 | 80.714 | 0.12180 | 0.00000 | 602892.1 | 490602.6 | 0.0 | S |
| 222.108 | 0.0000 | 0.0000 | 80.714 | 0.12180 | 0.00000 | 602892.1 | 490606.3 | 0.0 | S |
| 222.117 | 0.0000 | 0.0000 | 80.714 | 0.12179 | 0.00000 | 602892.1 | 490609.9 | 0.0 | S |
| 222.125 | 0.0000 | 0.0000 | 80.714 | 0.12179 | 0.00000 | 602892.1 | 490613.6 | 0.0 | S |
| 222.133 | 0.0000 | 0.0000 | 80.714 | 0.12178 | 0.00000 | 602892.1 | 490617.3 | 0.0 | S |
| 222.142 | 0.0000 | 0.0000 | 80.713 | 0.12178 | 0.00000 | 602892.1 | 490620.9 | 0.0 | S |
| 222.150 | 0.0000 | 0.0000 | 80.713 | 0.12177 | 0.00000 | 602892.1 | 490624.5 | 0.0 | S |
| 222.158 | 0.0000 | 0.0000 | 80.713 | 0.12177 | 0.00000 | 602892.1 | 490628.2 | 0.0 | S |
| 222.167 | 0.0000 | 0.0000 | 80.713 | 0.12176 | 0.00000 | 602892.1 | 490631.8 | 0.0 | S |
| 222.175 | 0.0000 | 0.0000 | 80.713 | 0.12176 | 0.00000 | 602892.1 | 490635.5 | 0.0 | S |
| 222.183 | 0.0000 | 0.0000 | 80.713 | 0.12175 | 0.00000 | 602892.1 | 490639.2 | 0.0 | S |
| 222.192 | 0.0000 | 0.0000 | 80.713 | 0.12175 | 0.00000 | 602892.1 | 490642.8 | 0.0 | S |
| 222.200 | 0.0000 | 0.0000 | 80.713 | 0.12174 | 0.00000 | 602892.1 | 490646.5 | 0.0 | S |
| 222.208 | 0.0000 | 0.0000 | 80.713 | 0.12174 | 0.00000 | 602892.1 | 490650.1 | 0.0 | S |
| 222.217 | 0.0000 | 0.0000 | 80.713 | 0.12173 | 0.00000 | 602892.1 | 490653.8 | 0.0 | S |
| 222.225 | 0.0000 | 0.0000 | 80.713 | 0.12173 | 0.00000 | 602892.1 | 490657.4 | 0.0 | S |
| 222.233 | 0.0000 | 0.0000 | 80.713 | 0.12172 | 0.00000 | 602892.1 | 490661.1 | 0.0 | S |
| 222.242 | 0.0000 | 0.0000 | 80.713 | 0.12172 | 0.00000 | 602892.1 | 490664.7 | 0.0 | S |
| 222.250 | 0.0000 | 0.0000 | 80.713 | 0.12171 | 0.00000 | 602892.1 | 490668.4 | 0.0 | S |
| 222.258 | 0.0000 | 0.0000 | 80.712 | 0.12170 | 0.00000 | 602892.1 | 490672.0 | 0.0 | S |
| 222.267 | 0.0000 | 0.0000 | 80.712 | 0.12170 | 0.00000 | 602892.1 | 490675.7 | 0.0 | S |
| 222.275 | 0.0000 | 0.0000 | 80.712 | 0.12169 | 0.00000 | 602892.1 | 490679.3 | 0.0 | S |
| 222.283 | 0.0000 | 0.0000 | 80.712 | 0.12169 | 0.00000 | 602892.1 | 490683.0 | 0.0 | S |
| 222.292 | 0.0000 | 0.0000 | 80.712 | 0.12168 | 0.00000 | 602892.1 | 490686.6 | 0.0 | S |
| 222.300 | 0.0000 | 0.0000 | 80.712 | 0.12168 | 0.00000 | 602892.1 | 490690.3 | 0.0 | S |
| 222.308 | 0.0000 | 0.0000 | 80.712 | 0.12167 | 0.00000 | 602892.1 | 490693.9 | 0.0 | S |
| 222.317 | 0.0000 | 0.0000 | 80.712 | 0.12167 | 0.00000 | 602892.1 | 490697.6 | 0.0 | S |
| 222.325 | 0.0000 | 0.0000 | 80.712 | 0.12166 | 0.00000 | 602892.1 | 490701.2 | 0.0 | S |
| 222.333 | 0.0000 | 0.0000 | 80.712 | 0.12166 | 0.00000 | 602892.1 | 490704.9 | 0.0 | S |
| 222.342 | 0.0000 | 0.0000 | 80.712 | 0.12165 | 0.00000 | 602892.1 | 490708.5 | 0.0 | S |
| 222.350 | 0.0000 | 0.0000 | 80.712 | 0.12165 | 0.00000 | 602892.1 | 490712.2 | 0.0 | S |
| 222.358 | 0.0000 | 0.0000 | 80.712 | 0.12164 | 0.00000 | 602892.1 | 490715.8 | 0.0 | S |
| 222.367 | 0.0000 | 0.0000 | 80.711 | 0.12164 | 0.00000 | 602892.1 | 490719.5 | 0.0 | S |
| 222.375 | 0.0000 | 0.0000 | 80.711 | 0.12163 | 0.00000 | 602892.1 | 490723.1 | 0.0 | S |
| 222.383 | 0.0000 | 0.0000 | 80.711 | 0.12163 | 0.00000 | 602892.1 | 490726.8 | 0.0 | S |
| 222.392 | 0.0000 | 0.0000 | 80.711 | 0.12162 | 0.00000 | 602892.1 | 490730.4 | 0.0 | S |
| 222.400 | 0.0000 | 0.0000 | 80.711 | 0.12162 | 0.00000 | 602892.1 | 490734.1 | 0.0 | S |
| 222.408 | 0.0000 | 0.0000 | 80.711 | 0.12161 | 0.00000 | 602892.1 | 490737.7 | 0.0 | S |
| 222.417 | 0.0000 | 0.0000 | 80.711 | 0.12161 | 0.00000 | 602892.1 | 490741.4 | 0.0 | S |
| 222.425 | 0.0000 | 0.0000 | 80.711 | 0.12160 | 0.00000 | 602892.1 | 490745.0 | 0.0 | S |
| 222.433 | 0.0000 | 0.0000 | 80.711 | 0.12160 | 0.00000 | 602892.1 | 490748.7 | 0.0 | S |
| 222.442 | 0.0000 | 0.0000 | 80.711 | 0.12159 | 0.00000 | 602892.1 | 490752.3 | 0.0 | S |
| 222.450 | 0.0000 | 0.0000 | 80.711 | 0.12159 | 0.00000 | 602892.1 | 490756.0 | 0.0 | S |
| 222.458 | 0.0000 | 0.0000 | 80.711 | 0.12158 | 0.00000 | 602892.1 | 490759.6 | 0.0 | S |
| 222.467 | 0.0000 | 0.0000 | 80.711 | 0.12158 | 0.00000 | 602892.1 | 490763.3 | 0.0 | S |
| 222.475 | 0.0000 | 0.0000 | 80.711 | 0.12157 | 0.00000 | 602892.1 | 490766.9 | 0.0 | S |
| 222.483 | 0.0000 | 0.0000 | 80.710 | 0.12157 | 0.00000 | 602892.1 | 490770.6 | 0.0 | S |
| 222.492 | 0.0000 | 0.0000 | 80.710 | 0.12156 | 0.00000 | 602892.1 | 490774.2 | 0.0 | S |
| 222.500 | 0.0000 | 0.0000 | 80.710 | 0.12156 | 0.00000 | 602892.1 | 490777.8 | 0.0 | S |
| 222.508 | 0.0000 | 0.0000 | 80.710 | 0.12155 | 0.00000 | 602892.1 | 490781.5 | 0.0 | S |
| 222.517 | 0.0000 | 0.0000 | 80.710 | 0.12155 | 0.00000 | 602892.1 | 490785.1 | 0.0 | S |
| 222.525 | 0.0000 | 0.0000 | 80.710 | 0.12154 | 0.00000 | 602892.1 | 490788.8 | 0.0 | S |
| 222.533 | 0.0000 | 0.0000 | 80.710 | 0.12154 | 0.00000 | 602892.1 | 490792.4 | 0.0 | S |
| 222.542 | 0.0000 | 0.0000 | 80.710 | 0.12153 | 0.00000 | 602892.1 | 490796.1 | 0.0 | S |
| 222.550 | 0.0000 | 0.0000 | 80.710 | 0.12153 | 0.00000 | 602892.1 | 490799.7 | 0.0 | S |
| 222.558 | 0.0000 | 0.0000 | 80.710 | 0.12152 | 0.00000 | 602892.1 | 490803.4 | 0.0 | S |
| 222.567 | 0.0000 | 0.0000 | 80.710 | 0.12152 | 0.00000 | 602892.1 | 490807.0 | 0.0 | S |
| 222.575 | 0.0000 | 0.0000 | 80.710 | 0.12151 | 0.00000 | 602892.1 | 490810.7 | 0.0 | S |
| 222.583 | 0.0000 | 0.0000 | 80.710 | 0.12151 | 0.00000 | 602892.1 | 490814.3 | 0.0 | S |
| 222.592 | 0.0000 | 0.0000 | 80.710 | 0.12150 | 0.00000 | 602892.1 | 490817.9 | 0.0 | S |
| 222.600 | 0.0000 | 0.0000 | 80.709 | 0.12150 | 0.00000 | 602892.1 | 490821.6 | 0.0 | S |
| 222.608 | 0.0000 | 0.0000 | 80.709 | 0.12149 | 0.00000 | 602892.1 | 490825.3 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | infiltration Rate ( $\mathrm{H}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 222.617 | 0.0000 | 0.0000 | 80.709 | 0.12149 | 0.00000 | 602892.1 | 490828.9 | 0.0 | S |
| 222.625 | 0.0000 | 0.0000 | 80.709 | 0.12148 | 0.00000 | 602892.1 | 490832.5 | 0.0 | S |
| 222.633 | 0.0000 | 0.0000 | 80.709 | 0.12148 | 0.00000 | 602892.1 | 490836.2 | 0.0 | S |
| 222.642 | 0.0000 | 0.0000 | 80.709 | 0.12147 | 0.00000 | 602892.1 | 490839.8 | 0.0 | S |
| 222.650 | 0.0000 | 0.0000 | 80.709 | 0.12147 | 0.00000 | 602892.1 | 490843.5 | 0.0 | S |
| 222.658 | 0.0000 | 0.0000 | 80.709 | 0.12146 | 0.00000 | 602892.1 | 490847.1 | 0.0 | S |
| 222.667 | 0.0000 | 0.0000 | 80.709 | 0.12146 | 0.00000 | 602892.1 | 490850.8 | 0.0 | S |
| 222.675 | 0.0000 | 0.0000 | 80.709 | 0.12145 | 0.00000 | 602892.1 | 490854.4 | 0.0 | S |
| 222.683 | 0.0000 | 0.0000 | 80.709 | 0.12145 | 0.00000 | 602892.1 | 490858.0 | 0.0 | S |
| 222.692 | 0.0000 | 0.0000 | 80.709 | 0.12144 | 0.00000 | 602892.1 | 490861.7 | 0.0 | S |
| 222.700 | 0.0000 | 0.0000 | 80.709 | 0.12144 | 0.00000 | 602892.1 | 490865.3 | 0.0 | S |
| 222.708 | 0.0000 | 0.0000 | 80.708 | 0.12143 | 0.00000 | 602892.1 | 490869.0 | 0.0 | S |
| 222.717 | 0.0000 | 0.0000 | 80.708 | 0.12143 | 0.00000 | 602892.1 | 490872.6 | 0.0 | S |
| 222.725 | 0.0000 | 0.0000 | 80.708 | 0.12142 | 0.00000 | 602892.1 | 490876.3 | 0.0 | S |
| 222.733 | 0.0000 | 0.0000 | 80.708 | 0.12142 | 0.00000 | 602892.1 | 490879.9 | 0.0 | S |
| 222.742 | 0.0000 | 0.0000 | 80.708 | 0.12141 | 0.00000 | 602892.1 | 490883.5 | 0.0 | S |
| 222.750 | 0.0000 | 0.0000 | 80.708 | 0.12141 | 0.00000 | 602892.1 | 490887.2 | 0.0 | S |
| 222.758 | 0.0000 | 0.0000 | 80.708 | 0.12140 | 0.00000 | 602892.1 | 490890.8 | 0.0 | S |
| 222.767 | 0.0000 | 0.0000 | 80.708 | 0.12140 | 0.00000 | 602892.1 | 490894.5 | 0.0 | S |
| 222.775 | 0.0000 | 0.0000 | 80.708 | 0.12139 | 0.00000 | 602892.1 | 490898.1 | 0.0 | S |
| 222.783 | 0.0000 | 0.0000 | 80.708 | 0.12139 | 0.00000 | 602892.1 | 490901.8 | 0.0 | S |
| 222.792 | 0.0000 | 0.0000 | 80.708 | 0.12138 | 0.00000 | 602892.1 | 490905.4 | 0.0 | S |
| 222.800 | 0.0000 | 0.0000 | 80.708 | 0.12137 | 0.00000 | 602892.1 | 490909.0 | 0.0 | S |
| 222.808 | 0.0000 | 0.0000 | 80.708 | 0.12137 | 0.00000 | 602892.1 | 490912.7 | 0.0 | S |
| 222.817 | 0.0000 | 0.0000 | 80.708 | 0.12136 | 0.00000 | 602892.1 | 490916.3 | 0.0 | S |
| 222.825 | 0.0000 | 0.0000 | 80.707 | 0.12136 | 0.00000 | 602892.1 | 490919.9 | 0.0 | S |
| 222.833 | 0.0000 | 0.0000 | 80.707 | 0.12135 | 0.00000 | 602892.1 | 490923.6 | 0.0 | S |
| 222.842 | 0.0000 | 0.0000 | 80.707 | 0.12135 | 0.00000 | 602892.1 | 490927.2 | 0.0 | S |
| 222.850 | 0.0000 | 0.0000 | 80.707 | 0.12134 | 0.00000 | 602892.1 | 490930.9 | 0.0 | S |
| 222.858 | 0.0000 | 0.0000 | 80.707 | 0.12134 | 0.00000 | 602892.1 | 490934.5 | 0.0 | S |
| 222.867 | 0.0000 | 0.0000 | 80.707 | 0.12133 | 0.00000 | 602892.1 | 490938.2 | 0.0 | S |
| 222.875 | 0.0000 | 0.0000 | 80.707 | 0.12133 | 0.00000 | 602892.1 | 490941.8 | 0.0 | S |
| 222.883 | 0.0000 | 0.0000 | 80.707 | 0.12132 | 0.00000 | 602892.1 | 490945.4 | 0.0 | S |
| 222.892 | 0.0000 | 0.0000 | 80.707 | 0.12132 | 0.00000 | 602892.1 | 490949.1 | 0.0 | S |
| 222.900 | 0.0000 | 0.0000 | 80.707 | 0.12131 | 0.00000 | 602892.1 | 490952.7 | 0.0 | S |
| 222.908 | 0.0000 | 0.0000 | 80.707 | 0.12131 | 0.00000 | 602892.1 | 490956.3 | 0.0 | S |
| 222.917 | 0.0000 | 0.0000 | 80.707 | 0.12130 | 0.00000 | 602892.1 | 490960.0 | 0.0 | S |
| 222.925 | 0.0000 | 0.0000 | 80.707 | 0.12130 | 0.00000 | 602892.1 | 490963.6 | 0.0 | S |
| 222.933 | 0.0000 | 0.0000 | 80.706 | 0.12129 | 0.00000 | 602892.1 | 490967.3 | 0.0 | S |
| 222.942 | 0.0000 | 0.0000 | 80.706 | 0.12129 | 0.00000 | 602892.1 | 490970.9 | 0.0 | S |
| 222.950 | 0.0000 | 0.0000 | 80.706 | 0.12128 | 0.00000 | 602882.1 | 490974.5 | 0.0 | S |
| 222.958 | 0.0000 | 0.0000 | 80.706 | 0.12128 | 0.00000 | 602892.1 | 490978.2 | 0.0 | S |
| 222.967 | 0.0000 | 0.0000 | 80.706 | 0.12127 | 0.00000 | 602892.1 | 490981.8 | 0.0 | S |
| 222.975 | 0.0000 | 0.0000 | 80.706 | 0.12127 | 0.00000 | 602892.1 | 490985.5 | 0.0 | S |
| 222.983 | 0.0000 | 0.0000 | 80.706 | 0.12126 | 0.00000 | 602892.1 | 490989.1 | 0.0 | S |
| 222.992 | 0.0000 | 0.0000 | 80.706 | 0.12126 | 0.00000 | 602892.1 | 490992.8 | 0.0 | S |
| 223.000 | 0.0000 | 0.0000 | 80.706 | 0.12125 | 0.00000 | 602892.1 | 490996.4 | 0.0 | S |
| 223.008 | 0.0000 | 0.0000 | 80.706 | 0.12125 | 0.00000 | 602892.1 | 491000.0 | 0.0 | S |
| 223.017 | 0.0000 | 0.0000 | 80.706 | 0.12124 | 0.00000 | 602892.7 | 491003.7 | 0.0 | S |
| 223.025 | 0.0000 | 0.0000 | 80.706 | 0.12124 | 0.00000 | 602892.1 | 491007.3 | 0.0 | S |
| 223.033 | 0.0000 | 0.0000 | 80.706 | 0.12123 | 0.00000 | 602892.1 | 491010.9 | 0.0 | S |
| 223.042 | 0.0000 | 0.0000 | 80.706 | 0.12123 | 0.00000 | 602892.1 | 491014.6 | 0.0 | S |
| 223.050 | 0.0000 | 0.0000 | 80.705 | 0.12122 | 0.00000 | 602892.1 | 491018.2 | 0.0 | S |
| 223.058 | 0.0000 | 0.0000 | 80.705 | 0.12122 | 0.00000 | 602892.1 | 491021.8 | 0.0 | S |
| 223.067 | 0.0000 | 0.0000 | 80.705 | 0.12121 | 0.00000 | 602892.1 | 491025.5 | 0.0 | S |
| 223.075 | 0.0000 | 0.0000 | 80.705 | 0.12121 | 0.00000 | 602892.1 | 491029.1 | 0.0 | S |
| 223.083 | 0.0000 | 0.0000 | 80.705 | 0.12120 | 0.00000 | 602892.1 | 491032.8 | 0.0 | S |
| 223.092 | 0.0000 | 0.0000 | 80.705 | 0.12120 | 0.00000 | 602892.1 | 491036.4 | 0.0 | S |
| 223.100 | 0.0000 | 0.0000 | 80.705 | 0.12119 | 0.00000 | 602892.1 | 491040.0 | 0.0 | S |
| 223.108 | 0.0000 | 0.0000 | 80.705 | 0.12119 | 0.00000 | 602892.1 | 491043.7 | 0.0 | S |
| 223.117 | 0.0000 | 0.0000 | 80.705 | 0.12118 | 0.00000 | 602892.1 | 491047.3 | 0.0 | S |
| 223.125 | 0.0000 | 0.0000 | 80.705 | 0.12118 | 0.00000 | 602892.1 | 491050.9 | 0.0 | S |
| 223.133 | 0.0000 | 0.0000 | 80.705 | 0.12117 | 0.00000 | 602892.1 | 491054.6 | 0.0 | S |
| 223.142 | 0.0000 | 0.0000 | 80.705 | 0.12117 | 0.00000 | 602892.1 | 491058.2 | 0.0 | S |
| 223.150 | 0.0000 | 0.0000 | 80.705 | 0.12116 | 0.00000 | 602892.1 | 491061.8 | 0.0 | S |
| 223.158 | 0.0000 | 0.0000 | 80.705 | 0.12116 | 0.00000 | 602892.1 | 491065.5 | 0.0 | S |
| 223.167 | 0.0000 | 0.0000 | 80.704 | 0.12115 | 0.00000 | 602892.1 | 491069.1 | 0.0 | S |
| 223.175 | 0.0000 | 0.0000 | 80.704 | 0.12115 | 0.00000 | 602892.1 | 491072.7 | 0.0 | S |
| 223.183 | 0.0000 | 0.0000 | 80.704 | 0.12114 | 0.00000 | 602892.1 | 491076.4 | 0.0 | S |
| 223.192 | 0.0000 | 0.0000 | 80.704 | 0.12114 | 0.00000 | 602892.1 | 491080.0 | 0.0 | S |
| 223.200 | 0.0000 | 0.0000 | 80.704 | 0.12113 | 0.00000 | 602892.1 | 491083.6 | 0.0 | S |
| 223.208 | 0.0000 | 0.0000 | 80.704 | 0.12113 | 0.00000 | 602892.1 | 491087.3 | 0.0 | S |
| 223.217 | 0.0000 | 0.0000 | 80.704 | 0.12112 | 0.00000 | 602892.1 | 491090.9 | 0.0 | S |
| 223.225 | 0.0000 | 0.0000 | 80.704 | 0.12112 | 0.00000 | 602892.1 | 491094.5 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year/ 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate (ft ${ }^{3 / \mathrm{s}}$ ) | Overflow <br> Discharge ( $\mathrm{f}^{3 / 5}$ ) | Cumulative Inflow Volume $\left(f^{3}\right)$ | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 223.233 | 0.0000 | 0.0000 | 80.704 | 0.12111 | 0.00000 | 602892.1 | 491098.2 | 0.0 | S |
| 223.242 | 0.0000 | 0.0000 | 80.704 | 0.12111 | 0.00000 | 602892.1 | 491101.8 | 0.0 | S |
| 223.250 | 0.0000 | 0.0000 | 80.704 | 0.12110 | 0.00000 | 602892.1 | 491105.4 | 0.0 | S |
| 223.258 | 0.0000 | 0.0000 | 80.704 | 0.12110 | 0.00000 | 602892.1 | 491109.1 | 0.0 | S |
| 223.267 | 0.0000 | 0.0000 | 80.704 | 0.12109 | 0.00000 | 602892.1 | 491112.7 | 0.0 | S |
| 223.275 | 0.0000 | 0.0000 | 80.703 | 0.12109 | 0.00000 | 602892.1 | 491116.3 | 0.0 | S |
| 223.283 | 0.0000 | 0.0000 | 80.703 | 0.12108 | 0.00000 | 602892.1 | 491120.0 | 0.0 | S |
| 223.292 | 0.0000 | 0.0000 | 80.703 | 0.12108 | 0.00000 | 602892.1 | 491123.6 | 0.0 | S |
| 223.300 | 0.0000 | 0.0000 | 80.703 | 0.12107 | 0.00000 | 602892.1 | 491127.2 | 0.0 | S |
| 223.308 | 0.0000 | 0.0000 | 80.703 | 0.12107 | 0.00000 | 602892.1 | 491130.9 | 0.0 | S |
| 223.317 | 0.0000 | 0.0000 | 80.703 | 0.12106 | 0.00000 | 602892.1 | 491134.5 | 0.0 | S |
| 223.325 | 0.0000 | 0.0000 | 80.703 | 0.12106 | 0.00000 | 602892.1 | 491138.1 | 0.0 | S |
| 223.333 | 0.0000 | 0.0000 | 80.703 | 0.12105 | 0.00000 | 602892.1 | 491141.8 | 0.0 | S |
| 223.342 | 0.0000 | 0.0000 | 80.703 | 0.12105 | 0.00000 | 602892.1 | 491145.4 | 0.0 | S |
| 223.350 | 0.0000 | 0.0000 | 80.703 | 0.12104 | 0.00000 | 602892.1 | 491149.0 | 0.0 | S |
| 223.358 | 0.0000 | 0.0000 | 80.703 | 0.12104 | 0.00000 | 602892.4 | 491152.7 | 0.0 | S |
| 223.367 | 0.0000 | 0.0000 | 80.703 | 0.12103 | 0.00000 | 602892.1 | 491156.3 | 0.0 | S |
| 223.375 | 0.0000 | 0.0000 | 80.703 | 0.12103 | 0.00000 | 602892.1 | 491159.9 | 0.0 | S |
| 223.383 | 0.0000 | 0.0000 | 80.703 | 0.12102 | 0.00000 | 602892.1 | 491163.5 | 0.0 | S |
| 223.392 | 0.0000 | 0.0000 | 80.702 | 0.12102 | 0.00000 | 602892.1 | 491167.2 | 0.0 | S |
| 223.400 | 0.0000 | 0.0000 | 80.702 | 0.12101 | 0.00000 | 602892.1 | 491170.8 | 0.0 | S |
| 223.408 | 0.0000 | 0.0000 | 80.702 | 0.12101 | 0.00000 | 602892.1 | 491174.4 | 0.0 | S |
| 223.417 | 0.0000 | 0.0000 | 80.702 | 0.12100 | 0.00000 | 602892.1 | 491178.1 | 0.0 | S |
| 223.425 | 0.0000 | 0.0000 | 80.702 | 0.12100 | 0.00000 | 602892.1 | 491181.7 | 0.0 | S |
| 223.433 | 0.0000 | 0.0000 | 80.702 | 0.12099 | 0.00000 | 602892.1 | 491185.3 | 0.0 | S |
| 223.442 | 0.0000 | 0.0000 | 80.702 | 0.12099 | 0.00000 | 602892.1 | 491188.9 | 0.0 | S |
| 223.450 | 0.0000 | 0.0000 | 80.702 | 0.12098 | 0.00000 | 602892.1 | 491192.6 | 0.0 | S |
| 223.458 | 0.0000 | 0.0000 | 80.702 | 0.12098 | 0.00000 | 602892.1 | 491196.2 | 0.0 | S |
| 223.467 | 0.0000 | 0.0000 | 80.702 | 0.12097 | 0.00000 | 602892.1 | 491199.8 | 0.0 | S |
| 223.475 | 0.0000 | 0.0000 | 80.702 | 0.12097 | 0.00000 | 602892.1 | 491203.5 | 0.0 | S |
| 223.483 | 0.0000 | 0.0000 | 80.702 | 0.12096 | 0.00000 | 602892.1 | 491207.1 | 0.0 | S |
| 223.492 | 0.0000 | 0.0000 | 80.702 | 0.12096 | 0.00000 | 602892.1 | 491210.7 | 0.0 | S |
| 223.500 | 0.0000 | 0.0000 | 80.701 | 0.12095 | 0.00000 | 602892.1 | 491214.3 | 0.0 | S |
| 223.508 | 0.0000 | 0.0000 | 80.701 | 0.12095 | 0.00000 | 602892.1 | 491218.0 | 0.0 | S |
| 223.517 | 0.0000 | 0.0000 | 80.701 | 0.12094 | 0.00000 | 602892.1 | 491221.6 | 0.0 | S |
| 223.525 | 0.0000 | 0.0000 | 80.701 | 0.12094 | 0.00000 | 602892.1 | 491225.3 | 0.0 | S |
| 223.533 | 0.0000 | 0.0000 | 80.701 | 0.12093 | 0.00000 | 602892.1 | 491228.9 | 0.0 | S |
| 223.542 | 0.0000 | 0.0000 | 80.701 | 0.12093 | 0.00000 | 602892.1 | 491232.5 | 0.0 | S |
| 223.550 | 0.0000 | 0.0000 | 80.701 | 0.12092 | 0.00000 | 602892.1 | 491236.1 | 0.0 | S |
| 223.558 | 0.0000 | 0.0000 | 80.701 | 0.12092 | 0.00000 | 602892.1 | 491239.8 | 0.0 | S |
| 223.567 | 0.0000 | 0.0000 | 80.701 | 0.12091 | 0.00000 | 602892.1 | 491243.4 | 0.0 | S |
| 223.575 | 0.0000 | 0.0000 | 80.701 | 0.12091 | 0.00000 | 602892.1 | 491247.0 | 0.0 | S |
| 223.583 | 0.0000 | 0.0000 | 80.701 | 0.12090 | 0.00000 | 602892.1 | 491250.6 | 0.0 | S |
| 223.592 | 0.0000 | 0.0000 | 80.701 | 0.12090 | 0.00000 | 602892.1 | 491254.3 | 0.0 | S |
| 223.600 | 0.0000 | 0.0000 | 80.701 | 0.12089 | 0.00000 | 602892.1 | 491257.9 | 0.0 | S |
| 223.608 | 0.0000 | 0.0000 | 80.701 | 0.12089 | 0.00000 | 602892.1 | 491261.5 | 0.0 | S |
| 223.617 | 0.0000 | 0.0000 | 80.700 | 0.12088 | 0.00000 | 602892.1 | 491265.1 | 0.0 | S |
| 223.625 | 0.0000 | 0.0000 | 80.700 | 0.12088 | 0.00000 | 602892.1 | 491268.8 | 0.0 | S |
| 223.633 | 0.0000 | 0.0000 | 80.700 | 0.12087 | 0.00000 | 602892.1 | 491272.4 | 0.0 | S |
| 223.642 | 0.0000 | 0.0000 | 80.700 | 0.12087 | 0.00000 | 602892.1 | 491276.0 | 0.0 | S |
| 223.650 | 0.0000 | 0.0000 | 80.700 | 0.12086 | 0.00000 | 602892.1 | 491279.7 | 0.0 | S |
| 223.658 | 0.0000 | 0.0000 | 80.700 | 0.12086 | 0.00000 | 602892.1 | 491283.3 | 0.0 | S |
| 223.667 | 0.0000 | 0.0000 | 80.700 | 0.12085 | 0.00000 | 602892.1 | 491286.9 | 0.0 | S |
| 223.675 | 0.0000 | 0.0000 | 80.700 | 0.12085 | 0.00000 | 602892.1 | 491290.5 | 0.0 | S |
| 223.683 | 0.0000 | 0.0000 | 80.700 | 0.12084 | 0.00000 | 602892.1 | 491294.2 | 0.0 | S |
| 223.692 | 0.0000 | 0.0000 | 80.700 | 0.12084 | 0.00000 | 602892.1 | 491297.8 | 0.0 | S |
| 223.700 | 0.0000 | 0.0000 | 80.700 | 0.12083 | 0.00000 | 602892.1 | 491301.4 | 0.0 | S |
| 223.708 | 0.0000 | 0.0000 | 80.700 | 0.12083 | 0.00000 | 602892.1 | 491305.0 | 0.0 | S |
| 223.717 | 0.0000 | 0.0000 | 80.700 | 0.12082 | 0.00000 | 602892.1 | 491308.7 | 0.0 | S |
| 223.725 | 0.0000 | 0.0000 | 80.700 | 0.12082 | 0.00000 | 602892.1 | 491312.3 | 0.0 | S |
| 223.733 | 0.0000 | 0.0000 | 80.699 | 0.12081 | 0.00000 | 602892.1 | 491315.9 | 0.0 | S |
| 223.742 | 0.0000 | 0.0000 | 80.699 | 0.12081 | 0.00000 | 602892.1 | 491319.5 | 0.0 | S |
| 223.750 | 0.0000 | 0.0000 | 80.699 | 0.12080 | 0.00000 | 602892.1 | 491323.2 | 0.0 | 5 |
| 223.758 | 0.0000 | 0.0000 | 80.699 | 0.12080 | 0.00000 | 602892.1 | 491326.8 | 0.0 | S |
| 223.767 | 0.0000 | 0.0000 | 80.699 | 0.12079 | 0.00000 | 602892.1 | 491330.4 | 0.0 | S |
| 223.775 | 0.0000 | 0.0000 | 80.699 | 0.12079 | 0.00000 | 602892.1 | 491334.0 | 0.0 | S |
| 223.783 | 0.0000 | 0.0000 | 80.699 | 0.12078 | 0.00000 | 602892.1 | 491337.6 | 0.0 | S |
| 223.792 | 0.0000 | 0.0000 | 80.699 | 0.12077 | 0.00000 | 602892.1 | 491341.3 | 0.0 | S |
| 223.800 | 0.0000 | 0.0000 | 80.699 | 0.12077 | 0.00000 | 602892.1 | 491344.9 | 0.0 | S |
| 223.808 | 0.0000 | 0.0000 | 80.699 | 0.12076 | 0.00000 | 602892.1 | 491348.5 | 0.0 | S |
| 223.817 | 0.0000 | 0.0000 | 80.699 | 0.12076 | 0.00000 | 602892.1 | 491352.1 | 0.0 | S |
| 223.825 | 0.0000 | 0.0000 | 80.699 | 0.12075 | 0.00000 | 602892.1 | 491355.8 | 0.0 | S |
| 223.833 | 0.0000 | 0.0000 | 80.699 | 0.12075 | 0.00000 | 602892.1 | 491359.4 | 0.0 | S |
| 223.842 | 0.0000 | 0.0000 | 80.698 | 0.12074 | 0.00000 | 602892.1 | 491363.0 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate (ft ${ }^{3}$ s) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infititration Volume ( $\mathrm{t}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 223.850 | 0.0000 | 0.0000 | 80.698 | 0.12074 | 0.00000 | 602892.1 | 491366.6 | 0.0 | S |
| 223.858 | 0.0000 | 0.0000 | 80.698 | 0.12073 | 0.00000 | 602892.1 | 491370.3 | 0.0 | S |
| 223.867 | 0.0000 | 0.0000 | 80.698 | 0.12073 | 0.00000 | 602892.1 | 491373.9 | 0.0 | S |
| 223.875 | 0.0000 | 0.0000 | 80.698 | 0.12072 | 0.00000 | 602892.1 | 491377.5 | 0.0 | S |
| 223.883 | 0.0000 | 0.0000 | 80.698 | 0.12072 | 0.00000 | 602892.1 | 491381.1 | 0.0 | S |
| 223.892 | 0.0000 | 0.0000 | 80.698 | 0.12071 | 0.00000 | 602892.1 | 491384.7 | 0.0 | S |
| 223.900 | 0.0000 | 0.0000 | 80.698 | 0.12071 | 0.00000 | 602892.1 | 491388.3 | 0.0 | S |
| 223.908 | 0.0000 | 0.0000 | 80.698 | 0.12070 | 0.00000 | 602892.1 | 491392.0 | 0.0 | S |
| 223.917 | 0.0000 | 0.0000 | 80.698 | 0.12070 | 0.00000 | 602892.1 | 491395.6 | 0.0 | S |
| 223.925 | 0.0000 | 0.0000 | 80.698 | 0.12069 | 0.00000 | 602892.1 | 491399.2 | 0.0 | S |
| 223.933 | 0.0000 | 0.0000 | 80.698 | 0.12069 | 0.00000 | 602892.1 | 491402.8 | 0.0 | S |
| 223.942 | 0.0000 | 0.0000 | 80.698 | 0.12068 | 0.00000 | 602892.1 | 491406.5 | 0.0 | S |
| 223.950 | 0.0000 | 0.0000 | 80.698 | 0.12068 | 0.00000 | 602892.1 | 491410.1 | 0.0 | S |
| 223.958 | 0.0000 | 0.0000 | 80.697 | 0.12067 | 0.00000 | 602892.1 | 491413.7 | 0.0 | S |
| 223.967 | 0.0000 | 0.0000 | 80.697 | 0.12067 | 0.00000 | 602892.1 | 491417.3 | 0.0 | S |
| 223.975 | 0.0000 | 0.0000 | 80.697 | 0.12066 | 0.00000 | 602892.1 | 491420.9 | 0.0 | S |
| 223.983 | 0.0000 | 0.0000 | 80.697 | 0.12066 | 0.00000 | 602892.1 | 491424.6 | 0.0 | S |
| 223.992 | 0.0000 | 0.0000 | 80.697 | 0.12065 | 0.00000 | 602892.1 | 491428.2 | 0.0 | S |
| 224.000 | 0.0000 | 0.0000 | 80.697 | 0.12065 | 0.00000 | 602892.1 | 491431.8 | 0.0 | S |
| 224.008 | 0.0000 | 0.0000 | 80.697 | 0.12064 | 0.00000 | 602892.1 | 491435.4 | 0.0 | S |
| 224.017 | 0.0000 | 0.0000 | 80.697 | 0.12064 | 0.00000 | 602892.1 | 491439.0 | 0.0 | S |
| 224.025 | 0.0000 | 0.0000 | 80.697 | 0.12063 | 0.00000 | 602892.1 | 491442.7 | 0.0 | S |
| 224.033 | 0.0000 | 0.0000 | 80.697 | 0.12063 | 0.00000 | 602892.1 | 491446.3 | 0.0 | S |
| 224.042 | 0.0000 | 0.0000 | 80.697 | 0.12062 | 0.00000 | 602892.1 | 491449.9 | 0.0 | S |
| 224.050 | 0.0000 | 0.0000 | 80.697 | 0.12062 | 0.00000 | 602892.1 | 491453.5 | 0.0 | S |
| 224.058 | 0.0000 | 0.0000 | 80.697 | 0.12061 | 0.00000 | 602892.1 | 491457.1 | 0.0 | S |
| 224.067 | 0.0000 | 0.0000 | 80.697 | 0.12061 | 0.00000 | 602892.1 | 491460.8 | 0.0 | S |
| 224.075 | 0.0000 | 0.0000 | 80.696 | 0.12060 | 0.00000 | 602892.1 | 491464.4 | 0.0 | S |
| 224.083 | 0.0000 | 0.0000 | 80.696 | 0.12060 | 0.00000 | 602892.1 | 491468.0 | 0.0 | S |
| 224.092 | 0.0000 | 0.0000 | 80.696 | 0.12059 | 0.00000 | 602892.1 | 491471.6 | 0.0 | S |
| 224.100 | 0.0000 | 0.0000 | 80.696 | 0.12059 | 0.00000 | 602892.1 | 491475.2 | 0.0 | S |
| 224.108 | 0.0000 | 0.0000 | 80.696 | 0.12058 | 0.00000 | 602892.1 | 491478.8 | 0.0 | S |
| 224.117 | 0.0000 | 0.0000 | 80.696 | 0.12058 | 0.00000 | 602892.1 | 491482.5 | 0.0 | S |
| 224.125 | 0.0000 | 0.0000 | 80.696 | 0.12057 | 0.00000 | 602892.1 | 491486.1 | 0.0 | S |
| 224.133 | 0.0000 | 0.0000 | 80.696 | 0.12057 | 0.00000 | 602892.1 | 491489.7 | 0.0 | S |
| 224.142 | 0.0000 | 0.0000 | 80.696 | 0.12056 | 0.00000 | 602892.1 | 491493.3 | 0.0 | S |
| 224.150 | 0.0000 | 0.0000 | 80.696 | 0.12056 | 0.00000 | 602892.1 | 491496.9 | 0.0 | S |
| 224.158 | 0.0000 | 0.0000 | 80.696 | 0.12055 | 0.00000 | 602892.1 | 491500.5 | 0.0 | S |
| 224.167 | 0.0000 | 0.0000 | 80.696 | 0.12055 | 0.00000 | 602892.1 | 491504.2 | 0.0 | S |
| 224.175 | 0.0000 | 0.0000 | 80.696 | 0.12054 | 0.00000 | 602892.1 | 491507.8 | 0.0 | S |
| 224.183 | 0.0000 | 0.0000 | 80.695 | 0.12054 | 0.00000 | 602892.1 | 491511.4 | 0.0 | S |
| 224.192 | 0.0000 | 0.0000 | 80.695 | 0.12053 | 0.00000 | 602892.1 | 491515.0 | 0.0 | S |
| 224.200 | 0.0000 | 0.0000 | 80.695 | 0.12053 | 0.00000 | 602892.1 | 491518.6 | 0.0 | S |
| 224.208 | 0.0000 | 0.0000 | 80.695 | 0.12052 | 0.00000 | 602892.1 | 491522.3 | 0.0 | S |
| 224.217 | 0.0000 | 0.0000 | 80.695 | 0.12052 | 0.00000 | 602892.1 | 491525.8 | 0.0 | S |
| 224.225 | 0.0000 | 0.0000 | 80.695 | 0.12051 | 0.00000 | 602892.1 | 491529.5 | 0.0 | S |
| 224.233 | 0.0000 | 0.0000 | 80.695 | 0.12051 | 0.00000 | 602892.1 | 491533.1 | 0.0 | S |
| 224.242 | 0.0000 | 0.0000 | 80.695 | 0.12050 | 0.00000 | 602892.1 | 491536.7 | 0.0 | S |
| 224.250 | 0.0000 | 0.0000 | 80.695 | 0.12050 | 0.00000 | 602892.1 | 491540.3 | 0.0 | S |
| 224.258 | 0.0000 | 0.0000 | 80.695 | 0.12049 | 0.00000 | 602892.1 | 491543.9 | 0.0 | S |
| 224.267 | 0.0000 | 0.0000 | 80.695 | 0.12049 | 0.00000 | 602892.1 | 491547.5 | 0.0 | S |
| 224.275 | 0.0000 | 0.0000 | 80.695 | 0.12048 | 0.00000 | 602892.1 | 491551.2 | 0.0 | S |
| 224.283 | 0.0000 | 0.0000 | 80.695 | 0.12048 | 0.00000 | 602892.1 | 491554.8 | 0.0 | S |
| 224.292 | 0.0000 | 0.0000 | 80.695 | 0.12047 | 0.00000 | 602892.1 | 491558.4 | 0.0 | S |
| 224.300 | 0.0000 | 0.0000 | 80.694 | 0.12047 | 0.00000 | 602892.1 | 491562.0 | 0.0 | S |
| 224.308 | 0.0000 | 0.0000 | 80.694 | 0.12046 | 0.00000 | 602892.1 | 491565.6 | 0.0 | S |
| 224.317 | 0.0000 | 0.0000 | 80.694 | 0.12046 | 0.00000 | 602892.1 | 491569.2 | 0.0 | S |
| 224.325 | 0.0000 | 0.0000 | 80.694 | 0.12045 | 0.00000 | 602892.1 | 491572.8 | 0.0 | S |
| 224.333 | 0.0000 | 0.0000 | 80.694 | 0.12045 | 0.00000 | 602892.1 | 491576.5 | 0.0 | S |
| 224.342 | 0.0000 | 0.0000 | 80.694 | 0.12044 | 0.00000 | 602892.1 | 491580.1 | 0.0 | S |
| 224.350 | 0.0000 | 0.0000 | 80.694 | 0.12044 | 0.00000 | 602892.1 | 491583.7 | 0.0 | S |
| 224.358 | 0.0000 | 0.0000 | 80.694 | 0.12043 | 0.00000 | 602892.1 | 491587.3 | 0.0 | S |
| 224.367 | 0.0000 | 0.0000 | 80.694 | 0.12043 | 0.00000 | 602892.1 | 491590.9 | 0.0 | S |
| 224.375 | 0.0000 | 0.0000 | 80.694 | 0.12042 | 0.00000 | 602892.1 | 491594.5 | 0.0 | S |
| 224.383 | 0.0000 | 0.0000 | 80.694 | 0.12042 | 0.00000 | 602892.1 | 491598.1 | 0.0 | S |
| 224.392 | 0.0000 | 0.0000 | 80.694 | 0.12041 | 0.00000 | 602892.1 | 491601.8 | 0.0 | S |
| 224.400 | 0.0000 | 0.0000 | 80.694 | 0.12041 | 0.00000 | 602892.1 | 491605.3 | 0.0 | S |
| 224.408 | 0.0000 | 0.0000 | 80.694 | 0.12040 | 0.00000 | 602892.1 | 491609.0 | 0.0 | S |
| 224.417 | 0.0000 | 0.0000 | 80.693 | 0.12040 | 0.00000 | 602892.1 | 491612.6 | 0.0 | S |
| 224.425 | 0.0000 | 0.0000 | 80.693 | 0.12039 | 0.00000 | 602892.1 | 491616.2 | 0.0 | S |
| 224.433 | 0.0000 | 0.0000 | 80.693 | 0.12039 | 0.00000 | 602892.1 | 491619.8 | 0.0 | S |
| 224.442 | 0.0000 | 0.0000 | 80.693 | 0.12038 | 0.00000 | 602892.1 | 491623.4 | 0.0 | S |
| 224.450 | 0.0000 | 0.0000 | 80.693 | 0.12038 | 0.00000 | 602892.1 | 491627.0 | 0.0 | S |
| 224.458 | 0.0000 | 0.0000 | 80.693 | 0.12037 | 0.00000 | 602892.1 | 491630.7 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (IV/day) | Stage Elevation (t datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overtow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 224.467 | 0.0000 | 0.0000 | 80.693 | 0.12037 | 0.00000 | 602892.1 | 491634.3 | 0.0 | S |
| 224.475 | 0.0000 | 0.0000 | 80.693 | 0.12036 | 0.00000 | 602892.1 | 491637.9 | 0.0 | S |
| 224.483 | 0.0000 | 0.0000 | 80.693 | 0.12036 | 0.00000 | 602892.1 | 491641.5 | 0.0 | S |
| 224.492 | 0.0000 | 0.0000 | 80.693 | 0.12035 | 0.00000 | 602892.1 | 491645.1 | 0.0 | S |
| 224.500 | 0.0000 | 0.0000 | 80.693 | 0.12035 | 0.00000 | 602892.1 | 491648.7 | 0.0 | S |
| 224.508 | 0.0000 | 0.0000 | 80.693 | 0.12034 | 0.00000 | 602892.1 | 491652.3 | 0.0 | S |
| 224.517 | 0.0000 | 0.0000 | 80.693 | 0.12034 | 0.00000 | 602892.1 | 491655.9 | 0.0 | S |
| 224.525 | 0.0000 | 0.0000 | 80.692 | 0.12033 | 0.00000 | 602892.1 | 491659.5 | 0.0 | S |
| 224.533 | 0.0000 | 0.0000 | 80.692 | 0.12033 | 0.00000 | 602892.1 | 491663.1 | 0.0 | S |
| 224.542 | 0.0000 | 0.0000 | 80.692 | 0.12032 | 0.00000 | 602892.1 | 491666.8 | 0.0 | S |
| 224.550 | 0.0000 | 0.0000 | 80.692 | 0.12032 | 0.00000 | 602892.1 | 491670.3 | 0.0 | S |
| 224.558 | 0.0000 | 0.0000 | 80.692 | 0.12031 | 0.00000 | 602892.1 | 491674.0 | 0.0 | S |
| 224.567 | 0.0000 | 0.0000 | 80.692 | 0.12031 | 0.00000 | 602892.1 | 491677.6 | 0.0 | S |
| 224.575 | 0.0000 | 0.0000 | 80.692 | 0.12030 | 0.00000 | 602892.1 | 491681.2 | 0.0 | S |
| 224.583 | 0.0000 | 0.0000 | 80.692 | 0.12030 | 0.00000 | 602892.1 | 491684.8 | 0.0 | S |
| 224.592 | 0.0000 | 0.0000 | 80.692 | 0.12029 | 0.00000 | 602892.1 | 491688.4 | 0.0 | S |
| 224.600 | 0.0000 | 0.0000 | 80.692 | 0.12029 | 0.00000 | 602892.1 | 491692.0 | 0.0 | S |
| 224.608 | 0.0000 | 0.0000 | 80.692 | 0.12028 | 0.00000 | 602892.1 | 491695.6 | 0.0 | S |
| 224.617 | 0.0000 | 0.0000 | 80.692 | 0.12028 | 0.00000 | 602892.1 | 491699.2 | 0.0 | S |
| 224.625 | 0.0000 | 0.0000 | 80.692 | 0.12027 | 0.00000 | 602892.1 | 491702.8 | 0.0 | S |
| 224.633 | 0.0000 | 0.0000 | 80.692 | 0.12027 | 0.00000 | 602892.1 | 491706.4 | 0.0 | S |
| 224.642 | 0.0000 | 0.0000 | 80.691 | 0.12026 | 0.00000 | 602892.1 | 491710.1 | 0.0 | S |
| 224.650 | 0.0000 | 0.0000 | 80.691 | 0.12026 | 0.00000 | 602892.1 | 491713.7 | 0.0 | S |
| 224.658 | 0.0000 | 0.0000 | 80.691 | 0.12025 | 0.00000 | 602892.1 | 491717.3 | 0.0 | S |
| 224.667 | 0.0000 | 0.0000 | 80.691 | 0.12025 | 0.00000 | 602892.1 | 491720.9 | 0.0 | S |
| 224.675 | 0.0000 | 0.0000 | 80.691 | 0.12024 | 0.00000 | 602892.1 | 491724.5 | 0.0 | S |
| 224.683 | 0.0000 | 0.0000 | 80.691 | 0.12024 | 0.00000 | 602892.1 | 491728.1 | 0.0 | S |
| 224.692 | 0.0000 | 0.0000 | 80.691 | 0.12023 | 0.00000 | 602892.1 | 491731.7 | 0.0 | S |
| 224.700 | 0.0000 | 0.0000 | 80.691 | 0.12023 | 0.00000 | 602892.1 | 491735.3 | 0.0 | S |
| 224.708 | 0.0000 | 0.0000 | 80.691 | 0.12022 | 0.00000 | 602892.1 | 491738.9 | 0.0 | S |
| 224.717 | 0.0000 | 0.0000 | 80.691 | 0.12022 | 0.00000 | 602892.1 | 491742.5 | 0.0 | S |
| 224.725 | 0.0000 | 0.0000 | 80.691 | 0.12021 | 0.00000 | 602892.1 | 491746.1 | 0.0 | S |
| 224.733 | 0.0000 | 0.0000 | 80.691 | 0.12021 | 0.00000 | 602892.1 | 491749.7 | 0.0 | S |
| 224.742 | 0.0000 | 0.0000 | 80.691 | 0.12020 | 0.00000 | 602892.1 | 491753.3 | 0.0 | S |
| 224.750 | 0.0000 | 0.0000 | 80.691 | 0.12020 | 0.00000 | 602892.1 | 491756.9 | 0.0 | S |
| 224.758 | 0.0000 | 0.0000 | 80.690 | 0.12019 | 0.00000 | 602892.1 | 491760.6 | 0.0 | S |
| 224.767 | 0.0000 | 0.0000 | 80.690 | 0.12019 | 0.00000 | 602892.1 | 491764.2 | 0.0 | S |
| 224.775 | 0.0000 | 0.0000 | 80.690 | 0.12019 | 0.00000 | 602892.1 | 491767.8 | 0.0 | S |
| 224.783 | 0.0000 | 0.0000 | 80.690 | 0.12018 | 0.00000 | 602892.1 | 491771.4 | 0.0 | S |
| 224.792 | 0.0000 | 0.0000 | 80.690 | 0.12018 | 0.00000 | 602892.1 | 491775.0 | 0.0 | S |
| 224.800 | 0.0000 | 0.0000 | 80.690 | 0.12017 | 0.00000 | 602892.1 | 491778.6 | 0.0 | S |
| 224.808 | 0.0000 | 0.0000 | 80.690 | 0.12017 | 0.00000 | 602892.1 | 491782.2 | 0.0 | S |
| 224.817 | 0.0000 | 0.0000 | 80.690 | 0.12016 | 0.00000 | 602892.1 | 491785.8 | 0.0 | S |
| 224.825 | 0.0000 | 0.0000 | 80.690 | 0.12016 | 0.00000 | 602892.1 | 491789.4 | 0.0 | S |
| 224.833 | 0.0000 | 0.0000 | 80.690 | 0.12015 | 0.00000 | 602892.1 | 491793.0 | 0.0 | S |
| 224.842 | 0.0000 | 0.0000 | 80.690 | 0.12015 | 0.00000 | 602892.1 | 491796.6 | 0.0 | S |
| 224.850 | 0.0000 | 0.0000 | 80.690 | 0.12014 | 0.00000 | 602892.1 | 491800.2 | 0.0 | S |
| 224.858 | 0.0000 | 0.0000 | 80.690 | 0.12014 | 0.00000 | 602892.1 | 491803.8 | 0.0 | S |
| 224.867 | 0.0000 | 0.0000 | 80.690 | 0.12013 | 0.00000 | 602892.1 | 491807.4 | 0.0 | S |
| 224.875 | 0.0000 | 0.0000 | 80.689 | 0.12013 | 0.00000 | 602892.1 | 491811.0 | 0.0 | S |
| 224.883 | 0.0000 | 0.0000 | 80.689 | 0.12012 | 0.00000 | 602892.1 | 491814.6 | 0.0 | S |
| 224.892 | 0.0000 | 0.0000 | 80.689 | 0.12012 | 0.00000 | 602892.1 | 491818.2 | 0.0 | S |
| 224.900 | 0.0000 | 0.0000 | 80.689 | 0.12011 | 0.00000 | 602892.1 | 491821.8 | 0.0 | S |
| 224.908 | 0.0000 | 0.0000 | 80.689 | 0.12011 | 0.00000 | 602892.1 | 491825.4 | 0.0 | S |
| 224.917 | 0.0000 | 0.0000 | 80.689 | 0.12010 | 0.00000 | 602892.1 | 491829.0 | 0.0 | S |
| 224.925 | 0.0000 | 0.0000 | 80.689 | 0.12010 | 0.00000 | 602892.1 | 491832.6 | 0.0 | S |
| 224.933 | 0.0000 | 0.0000 | 80.689 | 0.12009 | 0.00000 | 602892.1 | 491836.3 | 0.0 | S |
| 224.942 | 0.0000 | 0.0000 | 80.689 | 0.12009 | 0.00000 | 602892.1 | 491839.8 | 0.0 | S |
| 224.950 | 0.0000 | 0.0000 | 80.689 | 0.12008 | 0.00000 | 602892.1 | 491843.4 | 0.0 | S |
| 224.958 | 0.0000 | 0.0000 | 80.689 | 0.12008 | 0.00000 | 602892.1 | 491847.0 | 0.0 | S |
| 224.967 | 0.0000 | 0.0000 | 80.689 | 0.12007 | 0.00000 | 602892.1 | 491850.7 | 0.0 | S |
| 224.975 | 0.0000 | 0.0000 | 80.689 | 0.12007 | 0.00000 | 602892.1 | 491854.3 | 0.0 | S |
| 224.983 | 0.0000 | 0.0000 | 80.688 | 0.12006 | 0.00000 | 602892.1 | 491857.8 | 0.0 | S |
| 224.992 | 0.0000 | 0.0000 | 80.688 | 0.12006 | 0.00000 | 602892.1 | 491861.5 | 0.0 | S |
| 225.000 | 0.0000 | 0.0000 | 80.688 | 0.12005 | 0.00000 | 602892.1 | 491865.1 | 0.0 | S |
| 225.008 | 0.0000 | 0.0000 | 80.688 | 0.12005 | 0.00000 | 602892.1 | 491868.7 | 0.0 | S |
| 225.017 | 0.0000 | 0.0000 | 80.688 | 0.12004 | 0.00000 | 602892.1 | 491872.3 | 0.0 | S |
| 225.025 | 0.0000 | 0.0000 | 80.688 | 0.12004 | 0.00000 | 602892.1 | 491875.8 | 0.0 | S |
| 225.033 | 0.0000 | 0.0000 | 80.688 | 0.12003 | 0.00000 | 602892.1 | 491879.5 | 0.0 | S |
| 225.042 | 0.0000 | 0.0000 | 80.688 | 0.12003 | 0.00000 | 602892.1 | 491883.1 | 0.0 | S |
| 225.050 | 0.0000 | 0.0000 | 80.688 | 0.12002 | 0.00000 | 602892.1 | 491886.7 | 0.0 | S |
| 225.058 | 0.0000 | 0.0000 | 80.688 | 0.12002 | 0.00000 | 602892.1 | 491890.3 | 0.0 | S |
| 225.067 | 0.0000 | 0.0000 | 80.688 | 0.12001 | 0.00000 | 602892.1 | 491893.9 | 0.0 | S |
| 225.075 | 0.0000 | 0.0000 | 80.688 | 0.12001 | 0.00000 | 602892.1 | 491897.5 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Outside Recharge (fi/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 225.083 | 0.0000 | 0.0000 | 80.688 | 0.12000 | 0.00000 | 602892.1 | 491901.1 | 0.0 | S |
| 225.092 | 0.0000 | 0.0000 | 80.688 | 0.12000 | 0.00000 | 602892.1 | 491904.7 | 0.0 | S |
| 225.100 | 0.0000 | 0.0000 | 80.687 | 0.11999 | 0.00000 | 602892.1 | 491908.3 | 0.0 | S |
| 225.108 | 0.0000 | 0.0000 | 80.687 | 0.11999 | 0.00000 | 602892.1 | 491911.9 | 0.0 | S |
| 225.117 | 0.0000 | 0.0000 | 80.687 | 0.11998 | 0.00000 | 602892.1 | 491915.5 | 0.0 | S |
| 225.125 | 0.0000 | 0.0000 | 80.687 | 0.11998 | 0.00000 | 602892.1 | 491919.1 | 0.0 | S |
| 225.133 | 0.0000 | 0.0000 | 80.687 | 0.11997 | 0.00000 | 602892.1 | 491922.7 | 0.0 | S |
| 225.142 | 0.0000 | 0.0000 | 80.687 | 0.11997 | 0.00000 | 602892.1 | 491926.3 | 0.0 | S |
| 225.150 | 0.0000 | 0.0000 | 80.687 | 0.11996 | 0.00000 | 602892.1 | 491929.8 | 0.0 | S |
| 225.158 | 0.0000 | 0.0000 | 80.687 | 0.11996 | 0.00000 | 602892.1 | 491933.5 | 0.0 | S |
| 225.167 | 0.0000 | 0.0000 | 80.687 | 0.11995 | 0.00000 | 602892.1 | 491937.1 | 0.0 | S |
| 225.175 | 0.0000 | 0.0000 | 80.687 | 0.11995 | 0.00000 | 602892.1 | 491940.7 | 0.0 | S |
| 225.183 | 0.0000 | 0.0000 | 80.687 | 0.11994 | 0.00000 | 602892.1 | 491944.3 | 0.0 | S |
| 225.192 | 0.0000 | 0.0000 | 80.687 | 0.11994 | 0.00000 | 602892.1 | 491947.8 | 0.0 | S |
| 225.200 | 0.0000 | 0.0000 | 80.687 | 0.11993 | 0.00000 | 602892.1 | 491951.4 | 0.0 | S |
| 225.208 | 0.0000 | 0.0000 | 80.687 | 0.11993 | 0.00000 | 602892.1 | 491955.0 | 0.0 | S |
| 225.217 | 0.0000 | 0.0000 | 80.686 | 0.11992 | 0.00000 | 602892.1 | 491958.7 | 0.0 | S |
| 225.225 | 0.0000 | 0.0000 | 80.686 | 0.11992 | 0.00000 | 602892.1 | 491962.3 | 0.0 | S |
| 225.233 | 0.0000 | 0.0000 | 80.686 | 0.11991 | 0.00000 | 602892.1 | 491965.8 | 0.0 | S |
| 225.242 | 0.0000 | 0.0000 | 80.686 | 0.11991 | 0.00000 | 602892.1 | 491969.4 | 0.0 | S |
| 225.250 | 0.0000 | 0.0000 | 80.686 | 0.11990 | 0.00000 | 602892.1 | 491973.0 | 0.0 | S |
| 225.258 | 0.0000 | 0.0000 | 80.686 | 0.11990 | 0.00000 | 602892.1 | 491976.6 | 0.0 | S |
| 225.267 | 0.0000 | 0.0000 | 80.686 | 0.11989 | 0.00000 | 602892.1 | 491980.2 | 0.0 | S |
| 225.275 | 0.0000 | 0.0000 | 80.686 | 0.11989 | 0.00000 | 602892.1 | 491983.8 | 0.0 | S |
| 225.283 | 0.0000 | 0.0000 | 80.686 | 0.11988 | 0.00000 | 602892.1 | 491987.4 | 0.0 | S |
| 225.292 | 0.0000 | 0.0000 | 80.686 | 0.11988 | 0.00000 | 602892.1 | 491991.0 | 0.0 | S |
| 225.300 | 0.0000 | 0.0000 | 80.686 | 0.11987 | 0.00000 | 602892.1 | 491994.6 | 0.0 | S |
| 225.308 | 0.0000 | 0.0000 | 80.686 | 0.11987 | 0.00000 | 602892.1 | 491998.2 | 0.0 | S |
| 225.317 | 0.0000 | 0.0000 | 80.686 | 0.11986 | 0.00000 | 602892.1 | 492001.8 | 0.0 | S |
| 225.325 | 0.0000 | 0.0000 | 80.685 | 0.11986 | 0.00000 | 602892.1 | 492005.4 | 0.0 | S |
| 225.333 | 0.0000 | 0.0000 | 80.685 | 0.11985 | 0.00000 | 602892.1 | 492009.0 | 0.0 | S |
| 225.342 | 0.0000 | 0.0000 | 80.685 | 0.11985 | 0.00000 | 602892.1 | 492012.6 | 0.0 | S |
| 225.350 | 0.0000 | 0.0000 | 80.685 | 0.11984 | 0.00000 | 602892.1 | 492016.2 | 0.0 | S |
| 225.358 | 0.0000 | 0.0000 | 80.685 | 0.11984 | 0.00000 | 602892.1 | 492019.8 | 0.0 | S |
| 225.367 | 0.0000 | 0.0000 | 80.685 | 0.11983 | 0.00000 | 602892.1 | 492023.4 | 0.0 | S |
| 225.375 | 0.0000 | 0.0000 | 80.685 | 0.11983 | 0.00000 | 602892.1 | 492027.0 | 0.0 | S |
| 225.383 | 0.0000 | 0.0000 | 80.685 | 0.11982 | 0.00000 | 602892.1 | 492030.6 | 0.0 | S |
| 225.392 | 0.0000 | 0.0000 | 80.685 | 0.11982 | 0.00000 | 602892.1 | 482034.2 | 0.0 | S |
| 225.400 | 0.0000 | 0.0000 | 80.685 | 0.11981 | 0.00000 | 602892.1 | 492037.8 | 0.0 | S |
| 225.408 | 0.0000 | 0.0000 | 80.685 | 0.11981 | 0.00000 | 602892.1 | 492041.3 | 0.0 | S |
| 225.417 | 0.0000 | 0.0000 | 80.685 | 0.11980 | 0.00000 | 602892.1 | 492044.9 | 0.0 | 5 |
| 225.425 | 0.0000 | 0.0000 | 80.685 | 0.11980 | 0.00000 | 602892.1 | 492048.5 | 0.0 | S |
| 225.433 | 0.0000 | 0.0000 | 80.685 | 0.11979 | 0.00000 | 602892.1 | 492052.1 | 0.0 | S |
| 225.442 | 0.0000 | 0.0000 | 80.684 | 0.11979 | 0.00000 | 602892.1 | 492055.7 | 0.0 | S |
| 225.450 | 0.0000 | 0.0000 | 80.684 | 0.11978 | 0.00000 | 602892.1 | 492059.3 | 0.0 | S |
| 225.458 | 0.0000 | 0.0000 | 80.684 | 0.11978 | 0.00000 | 602892.1 | 492062.9 | 0.0 | S |
| 225.467 | 0.0000 | 0.0000 | 80.684 | 0.11977 | 0.00000 | 602892.1 | 492066.5 | 0.0 | S |
| 225.475 | 0.0000 | 0.0000 | 80.684 | 0.11977 | 0.00000 | 602892.1 | 492070.1 | 0.0 | S |
| 225.483 | 0.0000 | 0.0000 | 80.684 | 0.11976 | 0.00000 | 602892.1 | 492073.7 | 0.0 | S |
| 225.492 | 0.0000 | 0.0000 | 80.684 | 0.11976 | 0.00000 | 602892.1 | 492077.3 | 0.0 | S |
| 225.500 | 0.0000 | 0.0000 | 80.684 | 0.11975 | 0.00000 | 602892.1 | 492080.9 | 0.0 | S |
| 225.508 | 0.0000 | 0.0000 | 80.684 | 0.11975 | 0.00000 | 602892.1 | 492084.5 | 0.0 | S |
| 225.517 | 0.0000 | 0.0000 | 80.684 | 0.11974 | 0.00000 | 602892.1 | 492088.1 | 0.0 | S |
| 225.525 | 0.0000 | 0.0000 | 80.684 | 0.11974 | 0.00000 | 602892.1 | 492091.7 | 0.0 | S |
| 225.533 | 0.0000 | 0.0000 | 80.684 | 0.11973 | 0.00000 | 602892.1 | 492095.3 | 0.0 | S |
| 225.542 | 0.0000 | 0.0000 | 80.684 | 0.11973 | 0.00000 | 602892.1 | 492098.8 | 0.0 | S |
| 225.550 | 0.0000 | 0.0000 | 80.684 | 0.11972 | 0.00000 | 602892.1 | 492102.4 | 0.0 | S |
| 225.558 | 0.0000 | 0.0000 | 80.683 | 0.11972 | 0.00000 | 602892.1 | 492106.0 | 0.0 | S |
| 225.567 | 0.0000 | 0.0000 | 80.683 | 0.11971 | 0.00000 | 602892.1 | 492109.6 | 0.0 | S |
| 225.575 | 0.0000 | 0.0000 | 80.683 | 0.11971 | 0.00000 | 602892.1 | 492113.2 | 0.0 | S |
| 225.583 | 0.0000 | 0.0000 | 80.683 | 0.11970 | 0.00000 | 602892.1 | 492116.8 | 0.0 | S |
| 225.592 | 0.0000 | 0.0000 | 80.683 | 0.11970 | 0.00000 | 602892.1 | 492120.4 | 0.0 | S |
| 225.600 | 0.0000 | 0.0000 | 80.683 | 0.11969 | 0.00000 | 602892.1 | 492124.0 | 0.0 | S |
| 225.608 | 0.0000 | 0.0000 | 80.683 | 0.11969 | 0.00000 | 602892.1 | 492127.6 | 0.0 | S |
| 225.617 | 0.0000 | 0.0000 | 80.683 | 0.11968 | 0.00000 | 602892.1 | 492131.2 | 0.0 | S |
| 225.625 | 0.0000 | 0.0000 | 80.683 | 0.11968 | 0.00000 | 602892.1 | 492134.8 | 0.0 | S |
| 225.633 | 0.0000 | 0.0000 | 80.683 | 0.11967 | 0.00000 | 602892.1 | 492138.3 | 0.0 | S |
| 225.642 | 0.0000 | 0.0000 | 80.683 | 0.11967 | 0.00000 | 602892.1 | 492141.9 | 0.0 | S |
| 225.650 | 0.0000 | 0.0000 | 80.683 | 0.11966 | 0.00000 | 602892.1 | 492145.5 | 0.0 | S |
| 225.658 | 0.0000 | 0.0000 | 80.683 | 0.11966 | 0.00000 | 602892.1 | 492149.1 | 0.0 | S |
| 225.667 | 0.0000 | 0.0000 | 80.683 | 0.11965 | 0.00000 | 602892.1 | 492152.7 | 0.0 | S |
| 225.675 | 0.0000 | 0.0000 | 80.682 | 0.11965 | 0.00000 | 602892.1 | 492156.3 | 0.0 | S |
| 225.683 | 0.0000 | 0.0000 | 80.682 | 0.11964 | 0.00000 | 602892.1 | 492159.9 | 0.0 | S |
| 225.692 | 0.0000 | 0.0000 | 80.682 | 0.11964 | 0.00000 | 602892.1 | 492163.5 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year $/ 24$ hour routing with pond 10 overflow

| Elapsed Time (hours) | Enflow Rate ( $\mathrm{f} / \mathrm{T}^{3} \mathrm{~s}$ ) | Outside Recharge (ft/day) | Stage Elevation (f datum) | Infiltration Rate (ft ${ }^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 225.700 | 0.0000 | 0.0000 | 80.682 | 0.11963 | 0.00000 | 602892.1 | 492167.1 | 0.0 | S |
| 225.708 | 0.0000 | 0.0000 | 80.682 | 0.11963 | 0.00000 | 602892.1 | 492170.7 | 0.0 | S |
| 225.717 | 0.0000 | 0.0000 | 80.682 | 0.11962 | 0.00000 | 602892.1 | 492174.3 | 0.0 | S |
| 225.725 | 0.0000 | 0.0000 | 80.682 | 0.11962 | 0.00000 | 602892.1 | 492177.8 | 0.0 | S |
| 225.733 | 0.0000 | 0.0000 | 80.682 | 0.11961 | 0.00000 | 602892.1 | 492181.4 | 0.0 | S |
| 225.742 | 0.0000 | 0.0000 | 80.682 | 0.11961 | 0.00000 | 602892.1 | 492185.0 | 0.0 | S |
| 225.750 | 0.0000 | 0.0000 | 80.682 | 0.11960 | 0.00000 | 602892.1 | 492188.6 | 0.0 | S |
| 225.758 | 0.0000 | 0.0000 | 80.682 | 0.11960 | 0.00000 | 602892.1 | 492192.2 | 0.0 | S |
| 225.767 | 0.0000 | 0.0000 | 80.682 | 0.11960 | 0.00000 | 602892.1 | 492195.8 | 0.0 | S |
| 225.775 | 0.0000 | 0.0000 | 80.682 | 0.11959 | 0.00000 | 602892.1 | 492199.3 | 0.0 | S |
| 225.783 | 0.0000 | 0.0000 | 80.681 | 0.11959 | 0.00000 | 602892.1 | 492202.9 | 0.0 | S |
| 225.792 | 0.0000 | 0.0000 | 80.681 | 0.11958 | 0.00000 | 602892.1 | 492206.5 | 0.0 | S |
| 225.800 | 0.0000 | 0.0000 | 80.681 | 0.11958 | 0.00000 | 602892.7 | 492210.1 | 0.0 | S |
| 225.808 | 0.0000 | 0.0000 | 80.681 | 0.11957 | 0.00000 | 602892.1 | 492213.7 | 0.0 | S |
| 225.817 | 0.0000 | 0.0000 | 80.681 | 0.11957 | 0.00000 | 602892.1 | 492217.3 | 0.0 | S |
| 225.825 | 0.0000 | 0.0000 | 80.681 | 0.11956 | 0.00000 | 602892.1 | 492220.9 | 0.0 | S |
| 225.833 | 0.0000 | 0.0000 | 80.681 | 0.11956 | 0.00000 | 602892.1 | 492224.5 | 0.0 | S |
| 225.842 | 0.0000 | 0.0000 | 80.681 | 0.11955 | 0.00000 | 602892.1 | 492228.1 | 0.0 | S |
| 225.850 | 0.0000 | 0.0000 | 80.681 | 0.11955 | 0.00000 | 602892.1 | 492231.6 | 0.0 | S |
| 225.858 | 0.0000 | 0.0000 | 80.681 | 0.11954 | 0.00000 | 602892.1 | 492235.2 | 0.0 | S |
| 225.867 | 0.0000 | 0.0000 | 80.681 | 0.11954 | 0.00000 | 602892.1 | 492238.8 | 0.0 | S |
| 225.875 | 0.0000 | 0.0000 | 80.681 | 0.11953 | 0.00000 | 602892.1 | 492242.4 | 0.0 | S |
| 225.883 | 0.0000 | 0.0000 | 80.681 | 0.11953 | 0.00000 | 602892.1 | 492246.0 | 0.0 | S |
| 225.892 | 0.0000 | 0.0000 | 80.681 | 0.11952 | 0.00000 | 602892.1 | 492249.6 | 0.0 | S |
| 225.900 | 0.0000 | 0.0000 | 80.680 | 0.11952 | 0.00000 | 602892.1 | 492253.2 | 0.0 | S |
| 225.908 | 0.0000 | 0.0000 | 80.680 | 0.11951 | 0.00000 | 602892.1 | 492256.8 | 0.0 | S |
| 225.917 | 0.0000 | 0.0000 | 80.680 | 0.11951 | 0.00000 | 602892.1 | 492260.3 | 0.0 | S |
| 225.925 | 0.0000 | 0.0000 | 80.680 | 0.11950 | 0.00000 | 602892.1 | 492263.9 | 0.0 | S |
| 225.933 | 0.0000 | 0.0000 | 80.680 | 0.11950 | 0.00000 | 602892.1 | 492267.5 | 0.0 | S |
| 225.942 | 0.0000 | 0.0000 | 80.680 | 0.11949 | 0.00000 | 602892.1 | 492271.1 | 0.0 | S |
| 225.950 | 0.0000 | 0.0000 | 80.680 | 0.11949 | 0.00000 | 602892.1 | 492274.7 | 0.0 | S |
| 225.958 | 0.0000 | 0.0000 | 80.680 | 0.11948 | 0.00000 | 602892.1 | 492278.3 | 0.0 | S |
| 225.967 | 0.0000 | 0.0000 | 80.680 | 0.11948 | 0.00000 | 602892.1 | 492281.8 | 0.0 | S |
| 225.975 | 0.0000 | 0.0000 | 80.680 | 0.11947 | 0.00000 | 602892.1 | 492285.4 | 0.0 | S |
| 225,983 | 0.0000 | 0.0000 | 80.680 | 0.11947 | 0.00000 | 602892.1 | 492289.0 | 0.0 | S |
| 225.992 | 0.0000 | 0.0000 | 80.680 | 0.11946 | 0.00000 | 602892.1 | 492292.6 | 0.0 | S |
| 226.000 | 0.0000 | 0.0000 | 80.680 | 0.11946 | 0.00000 | 602892.1 | 492296.2 | 0.0 | S |
| 226.008 | 0.0000 | 0.0000 | 80.680 | 0.11945 | 0.00000 | 602892.1 | 492299.8 | 0.0 | S |
| 226.017 | 0.0000 | 0.0000 | 80.679 | 0.11945 | 0.00000 | 602892.1 | 492303.3 | 0.0 | S |
| 226.025 | 0.0000 | 0.0000 | 80.679 | 0.11944 | 0.00000 | 602892.1 | 492306.9 | 0.0 | S |
| 226.033 | 0.0000 | 0.0000 | 80.679 | 0.11944 | 0.00000 | 602892.1 | 492310.5 | 0.0 | S |
| 226.042 | 0.0000 | 0.0000 | 80.679 | 0.11943 | 0.00000 | 602892.1 | 492314.1 | 0.0 | S |
| 226.050 | 0.0000 | 0.0000 | 80.679 | 0.11943 | 0.00000 | 602892.1 | 492317.7 | 0.0 | S |
| 226.058 | 0.0000 | 0.0000 | 80.679 | 0.11942 | 0.00000 | 602892.1 | 492321.3 | 0.0 | S |
| 226.067 | 0.0000 | 0.0000 | 80.679 | 0.11942 | 0.00000 | 602892.1 | 492324.8 | 0.0 | S |
| 226.075 | 0.0000 | 0.0000 | 80.679 | 0.11941 | 0.00000 | 602892.1 | 492328.4 | 0.0 | S |
| 226.083 | 0.0000 | 0.0000 | 80.679 | 0.11941 | 0.00000 | 602892.1 | 492332.0 | 0.0 | S |
| 226.092 | 0.0000 | 0.0000 | 80.679 | 0.11940 | 0.00000 | 602892.1 | 492335.6 | 0.0 | S |
| 226.100 | 0.0000 | 0.0000 | 80.679 | 0.11940 | 0.00000 | 602892.1 | 492339.2 | 0.0 | S |
| 226.108 | 0.0000 | 0.0000 | 80.679 | 0.11939 | 0.00000 | 602892.1 | 492342.8 | 0.0 | S |
| 226.117 | 0.0000 | 0.0000 | 80.679 | 0.11939 | 0.00000 | 602892.1 | 492346.3 | 0.0 | S |
| 226.125 | 0.0000 | 0.0000 | 80.679 | 0.11938 | 0.00000 | 602892.1 | 492349.9 | 0.0 | S |
| 226.133 | 0.0000 | 0.0000 | 80.678 | 0.11938 | 0.00000 | 602892.1 | 492353.5 | 0.0 | S |
| 226.142 | 0.0000 | 0.0000 | 80.678 | 0.11937 | 0.00000 | 602892.1 | 492357.1 | 0.0 | S |
| 226.150 | 0.0000 | 0.0000 | 80.678 | 0.11937 | 0.00000 | 602892.1 | 492360.7 | 0.0 | S |
| 226.158 | 0.0000 | 0.0000 | 80.678 | 0.11936 | 0.00000 | 602892.1 | 492364.2 | 0.0 | S |
| 226.167 | 0.0000 | 0.0000 | 80.678 | 0.11936 | 0.00000 | 602892.1 | 492367.8 | 0.0 | S |
| 226.175 | 0.0000 | 0.0000 | 80.678 | 0.11935 | 0.00000 | 602892.1 | 492371.4 | 0.0 | S |
| 226.183 | 0.0000 | 0.0000 | 80.678 | 0.11935 | 0.00000 | 602892.1 | 492375.0 | 0.0 | S |
| 226.192 | 0.0000 | 0.0000 | 80.678 | 0.11934 | 0.00000 | 602892.1 | 492378.6 | 0.0 | S |
| 226.200 | 0.0000 | 0.0000 | 80.678 | 0.11934 | 0.00000 | 602892.1 | 492382.1 | 0.0 | S |
| 226.208 | 0.0000 | 0.0000 | 80.678 | 0.11933 | 0.00000 | 602892.1 | 492385.7 | 0.0 | S |
| 226.217 | 0.0000 | 0.0000 | 80.678 | 0.11933 | 0.00000 | 602892.1 | 492389.3 | 0.0 | S |
| 226.225 | 0.0000 | 0.0000 | 80.678 | 0.11932 | 0.00000 | 602892.1 | 492392.9 | 0.0 | S |
| 226.233 | 0.0000 | 0.0000 | 80.678 | 0.11932 | 0.00000 | 602892.1 | 492396.4 | 0.0 | S |
| 226.242 | 0.0000 | 0.0000 | 80.677 | 0.11931 | 0.00000 | 602892.1 | 492400.0 | 0.0 | S |
| 226.250 | 0.0000 | 0.0000 | 80.677 | 0.11931 | 0.00000 | 602892.1 | 492403.6 | 0.0 | S |
| 226.258 | 0.0000 | 0.0000 | 80.677 | 0.11930 | 0.00000 | 602892.1 | 492407.2 | 0.0 | S |
| 226.267 | 0.0000 | 0.0000 | 80.677 | 0.11930 | 0.00000 | 602892.1 | 492410.8 | 0.0 | S |
| 226.275 | 0.0000 | 0.0000 | 80.677 | 0.11929 | 0.00000 | 602892.1 | 492414.3 | 0.0 | S |
| 226.283 | 0.0000 | 0.0000 | 80.677 | 0.11929 | 0.00000 | 602892.1 | 492417.9 | 0.0 | S |
| 226.292 | 0.0000 | 0.0000 | 80.677 | 0.11928 | 0.00000 | 602892.1 | 492421.5 | 0.0 | S |
| 226.300 | 0.0000 | 0.0000 | 80.677 | 0.11928 | 0.00000 | 602892.1 | 492425.1 | 0.0 | S |
| 226.308 | 0.0000 | 0.0000 | 80.677 | 0.11927 | 0.00000 | 602892.1 | 492428.7 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{f}^{3 / 3 /}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative fnfiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 226.317 | 0.0000 | 0.0000 | 80.677 | 0.11927 | 0.00000 | 602892.1 | 492432.3 | 0.0 | S |
| 226.325 | 0.0000 | 0.0000 | 80.677 | 0.11927 | 0.00000 | 602892.1 | 492435.8 | 0.0 | S |
| 226.333 | 0.0000 | 0.0000 | 80.677 | 0.11926 | 0.00000 | 602892.1 | 492439.4 | 0.0 | S |
| 226.342 | 0.0000 | 0.0000 | 80.677 | 0.11926 | 0.00000 | 602892.1 | 492443.0 | 0.0 | S |
| 226.350 | 0.0000 | 0.0000 | 80.677 | 0.11925 | 0.00000 | 602892.1 | 492446.6 | 0.0 | S |
| 226.358 | 0.0000 | 0.0000 | 80.676 | 0.11925 | 0.00000 | 602892.1 | 492450.1 | 0.0 | S |
| 226.367 | 0.0000 | 0.0000 | 80.676 | 0.11924 | 0.00000 | 602892.1 | 492453.7 | 0.0 | S |
| 226.375 | 0.0000 | 0.0000 | 80.676 | 0.11924 | 0.00000 | 602892.1 | 492457.3 | 0.0 | S |
| 226.383 | 0.0000 | 0.0000 | 80.676 | 0.11923 | 0.00000 | 602892.1 | 492460.9 | 0.0 | S |
| 226.392 | 0.0000 | 0.0000 | 80.676 | 0.11923 | 0.00000 | 602892.1 | 492464.4 | 0.0 | S |
| 226.400 | 0.0000 | 0.0000 | 80.676 | 0.11922 | 0.00000 | 602892.1 | 492468.0 | 0.0 | S |
| 226.408 | 0.0000 | 0.0000 | 80.676 | 0.11922 | 0.00000 | 602892.1 | 492471.6 | 0.0 | S |
| 226.417 | 0.0000 | 0.0000 | 80.676 | 0.11921 | 0.00000 | 602892.1 | 492475.2 | 0.0 | S |
| 226.425 | 0.0000 | 0.0000 | 80.676 | 0.11921 | 0.00000 | 602892.1 | 492478.8 | 0.0 | S |
| 226.433 | 0.0000 | 0.0000 | 80.676 | 0.11920 | 0.00000 | 602892.1 | 492482.3 | 0.0 | S |
| 226.442 | 0.0000 | 0.0000 | 80.676 | 0.11920 | 0.00000 | 602892.1 | 492485.9 | 0.0 | S |
| 226.450 | 0.0000 | 0.0000 | 80.676 | 0.11919 | 0.00000 | 602892.1 | 492489.5 | 0.0 | S |
| 226.458 | 0.0000 | 0.0000 | 80.676 | 0.11919 | 0.00000 | 602892.1 | 492493.1 | 0.0 | S |
| 226.467 | 0.0000 | 0.0000 | 80.676 | 0.11918 | 0.00000 | 602892.1 | 492496.6 | 0.0 | S |
| 226.475 | 0.0000 | 0.0000 | 80.675 | 0.11918 | 0.00000 | 602892.1 | 492500.2 | 0.0 | S |
| 226.483 | 0.0000 | 0.0000 | 80.675 | 0.11917 | 0.00000 | 602892.1 | 492503.8 | 0.0 | S |
| 226.492 | 0.0000 | 0.0000 | 80.675 | 0.11917 | 0.00000 | 602892.1 | 492507.3 | 0.0 | S |
| 226.500 | 0.0000 | 0.0000 | 80.675 | 0.11916 | 0.00000 | 602892.1 | 492510.9 | 0.0 | S |
| 226.508 | 0.0000 | 0.0000 | 80.675 | 0.11916 | 0.00000 | 602892.1 | 492514.5 | 0.0 | S |
| 226.517 | 0.0000 | 0.0000 | 80.675 | 0.11915 | 0.00000 | 602892.1 | 492518.1 | 0.0 | S |
| 226.525 | 0.0000 | 0.0000 | 80.675 | 0.11915 | 0.00000 | 602892.1 | 492521.7 | 0.0 | S |
| 226.533 | 0.0000 | 0.0000 | 80.675 | 0.11914 | 0.00000 | 602892.1 | 492525.2 | 0.0 | S |
| 226.542 | 0.0000 | 0.0000 | 80.675 | 0.11914 | 0.00000 | 602892.1 | 492528.8 | 0.0 | S |
| 226.550 | 0.0000 | 0.0000 | 80.675 | 0.11913 | 0.00000 | 602892.1 | 492532.4 | 0.0 | S |
| 226.558 | 0.0000 | 0.0000 | 80.675 | 0.11913 | 0.00000 | 602892.1 | 492535.9 | 0.0 | S |
| 226.567 | 0.0000 | 0.0000 | 80.675 | 0.11912 | 0.00000 | 602892.1 | 492539.5 | 0.0 | S |
| 226.575 | 0.0000 | 0.0000 | 80.675 | 0.11912 | 0.00000 | 602892.1 | 492543.1 | 0.0 | S |
| 226.583 | 0.0000 | 0.0000 | 80.675 | 0.11911 | 0.00000 | 602892.1 | 492546.7 | 0.0 | S |
| 226.592 | 0.0000 | 0.0000 | 80.674 | 0.11911 | 0.00000 | 602892.1 | 492550.3 | 0.0 | S |
| 226.600 | 0.0000 | 0.0000 | 80.674 | 0.11910 | 0.00000 | 602892.1 | 492553.8 | 0.0 | S |
| 226.608 | 0.0000 | 0.0000 | 80.674 | 0.11910 | 0.00000 | 602892.1 | 492557.4 | 0.0 | S |
| 226.617 | 0.0000 | 0.0000 | 80.674 | 0.11909 | 0.00000 | 602892.1 | 492561.0 | 0.0 | S |
| 226.625 | 0.0000 | 0.0000 | 80.674 | 0.11909 | 0.00000 | 602892.1 | 492564.5 | 0.0 | S |
| 226.633 | 0.0000 | 0.0000 | 80.674 | 0.11908 | 0.00000 | 602892.1 | 492568.1 | 0.0 | S |
| 226.642 | 0.0000 | 0.0000 | 80.674 | 0.11908 | 0.00000 | 602892.1 | 492571.7 | 0.0 | S |
| 226.650 | 0.0000 | 0.0000 | 80.674 | 0.11907 | 0.00000 | 602892.1 | 492575.3 | 0.0 | S |
| 226.658 | 0.0000 | 0.0000 | 80.674 | 0.11907 | 0.00000 | 602892.1 | 492578.8 | 0.0 | S |
| 226.667 | 0.0000 | 0.0000 | 80.674 | 0.11906 | 0.00000 | 602892.1 | 492582.4 | 0.0 | S |
| 226.675 | 0.0000 | 0.0000 | 80.674 | 0.11906 | 0.00000 | 602892.1 | 492586.0 | 0.0 | S |
| 226.683 | 0.0000 | 0.0000 | 80.674 | 0.11905 | 0.00000 | 602892.1 | 492589.5 | 0.0 | S |
| 226.692 | 0.0000 | 0.0000 | 80.674 | 0.11905 | 0.00000 | 602892.1 | 492593.1 | 0.0 | S |
| 226.700 | 0.0000 | 0.0000 | 80.674 | 0.11904 | 0.00000 | 602892.1 | 492596.7 | 0.0 | S |
| 226.708 | 0.0000 | 0.0000 | 80.673 | 0.11904 | 0.00000 | 602892.1 | 492600.3 | 0.0 | S |
| 226.717 | 0.0000 | 0.0000 | 80.673 | 0.11903 | 0.00000 | 602892.1 | 492603.8 | 0.0 | S |
| 226.725 | 0.0000 | 0.0000 | 80.673 | 0.11903 | 0.00000 | 602892.1 | 492607.4 | 0.0 | S |
| 226.733 | 0.0000 | 0.0000 | 80.673 | 0.11902 | 0.00000 | 602892.1 | 492611.0 | 0.0 | S |
| 226.742 | 0.0000 | 0.0000 | 80.673 | 0.11902 | 0.00000 | 602892.1 | 492614.5 | 0.0 | S |
| 226.750 | 0.0000 | 0.0000 | 80.673 | 0.11901 | 0.00000 | 602892.1 | 492618.1 | 0.0 | S |
| 226.758 | 0.0000 | 0.0000 | 80.673 | 0.11901 | 0.00000 | 602892.1 | 492621.7 | 0.0 | S |
| 226.767 | 0.0000 | 0.0000 | 80.673 | 0.11901 | 0.00000 | 602892.1 | 492625.3 | 0.0 | S |
| 226.775 | 0.0000 | 0.0000 | 80.673 | 0.11900 | 0.00000 | 602892.1 | 492628.8 | 0.0 | S |
| 226.783 | 0.0000 | 0.0000 | 80.673 | 0.11900 | 0.00000 | 602892.1 | 492632.4 | 0.0 | S |
| 226.792 | 0.0000 | 0.0000 | 80.673 | 0.11899 | 0.00000 | 602892.1 | 492636.0 | 0.0 | S |
| 226.800 | 0.0000 | 0.0000 | 80.673 | 0.11899 | 0.00000 | 602892.1 | 492639.5 | 0.0 | S |
| 226.808 | 0.0000 | 0.0000 | 80.673 | 0.11898 | 0.00000 | 602892.1 | 492643.1 | 0.0 | S |
| 226.817 | 0.0000 | 0.0000 | 80.672 | 0.11898 | 0.00000 | 602892.1 | 492646.7 | 0.0 | S |
| 226.825 | 0.0000 | 0.0000 | 80.672 | 0.11897 | 0.00000 | 602892.1 | 492650.2 | 0.0 | S |
| 226.833 | 0.0000 | 0.0000 | 80.672 | 0.11897 | 0.00000 | 602892.1 | 492653.8 | 0.0 | S |
| 226.842 | 0.0000 | 0.0000 | 80.672 | 0.11896 | 0.00000 | 602892.1 | 492657.4 | 0.0 | S |
| 226.850 | 0.0000 | 0.0000 | 80.672 | 0.11896 | 0.00000 | 602892.1 | 492660.9 | 0.0 | S |
| 226.858 | 0.0000 | 0.0000 | 80.672 | 0.11895 | 0.00000 | 602892.1 | 492664.5 | 0.0 | S |
| 226.867 | 0.0000 | 0.0000 | 80.672 | 0.11895 | 0.00000 | 602892.1 | 492668.1 | 0.0 | S |
| 226.875 | 0.0000 | 0.0000 | 80.672 | 0.11894 | 0.00000 | 602892.1 | 492671.7 | 0.0 | S |
| 226.883 | 0.0000 | 0.0000 | 80.672 | 0.11894 | 0.00000 | 602892.1 | 492675.2 | 0.0 | S |
| 226.892 | 0.0000 | 0.0000 | 80.672 | 0.11893 | 0.00000 | 602892.1 | 492678.8 | 0.0 | S |
| 226.900 | 0.0000 | 0.0000 | 80.672 | 0.11893 | 0.00000 | 602892.1 | 492682.3 | 0.0 | S |
| 226.908 | 0.0000 | 0.0000 | 80.672 | 0.11892 | 0.00000 | 602892.1 | 492685.9 | 0.0 | S |
| 226.917 | 0.0000 | 0.0000 | 80.672 | 0.11892 | 0.00000 | 602892.1 | 492689.5 | 0.0 | S |
| 226.925 | 0.0000 | 0.0000 | 80.672 | 0.11891 | 0.00000 | 602892.1 | 492693.1 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{t}^{3 / 3 /}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 226.933 | 0.0000 | 0.0000 | 80.671 | 0.11891 | 0.00000 | 602892.1 | 492696.6 | 0.0 | S |
| 226.942 | 0.0000 | 0.0000 | 80.671 | 0.11890 | 0.00000 | 602892.1 | 492700.2 | 0.0 | S |
| 226.950 | 0.0000 | 0.0000 | 80.671 | 0.11890 | 0.00000 | 602892.1 | 492703.8 | 0.0 | S |
| 226.958 | 0.0000 | 0.0000 | 80.671 | 0.11889 | 0.00000 | 602892.1 | 492707.3 | 0.0 | S |
| 226.967 | 0.0000 | 0.0000 | 80.671 | 0.11889 | 0.00000 | 602892.1 | 492710.9 | 0.0 | S |
| 226.975 | 0.0000 | 0.0000 | 80.671 | 0.11888 | 0.00000 | 602892.1 | 492714.4 | 0.0 | S |
| 226.983 | 0.0000 | 0.0000 | 80.671 | 0.11888 | 0.00000 | 602892.1 | 492718.0 | 0.0 | S |
| 226.992 | 0.0000 | 0.0000 | 80.671 | 0.11887 | 0.00000 | 602892.1 | 492721.6 | 0.0 | S |
| 227.000 | 0.0000 | 0.0000 | 80.671 | 0.11887 | 0.00000 | 602892.1 | 492725.2 | 0.0 | S |
| 227.008 | 0.0000 | 0.0000 | 80.671 | 0.11886 | 0.00000 | 602892.1 | 492728.7 | 0.0 | S |
| 227.017 | 0.0000 | 0.0000 | 80.671 | 0.11886 | 0.00000 | 602892.1 | 492732.3 | 0.0 | S |
| 227.025 | 0.0000 | 0.0000 | 80.671 | 0.11885 | 0.00000 | 602892.1 | 492735.8 | 0.0 | S |
| 227.033 | 0.0000 | 0.0000 | 80.671 | 0.11885 | 0.00000 | 602892.1 | 492739.4 | 0.0 | S |
| 227.042 | 0.0000 | 0.0000 | 80.671 | 0.11884 | 0.00000 | 602892.1 | 492743.0 | 0.0 | S |
| 227.050 | 0.0000 | 0.0000 | 80.670 | 0.11884 | 0.00000 | 602892.1 | 492746.5 | 0.0 | S |
| 227.058 | 0.0000 | 0.0000 | 80.670 | 0.11883 | 0.00000 | 602892.1 | 492750.1 | 0.0 | S |
| 227.067 | 0.0000 | 0.0000 | 80.670 | 0.11883 | 0.00000 | 602892.1 | 492753.7 | 0.0 | S |
| 227.075 | 0.0000 | 0.0000 | 80.670 | 0.11882 | 0.00000 | 602892.1 | 492757.3 | 0.0 | S |
| 227.083 | 0.0000 | 0.0000 | 80.670 | 0.14882 | 0.00000 | 602892.1 | 492760.8 | 0.0 | S |
| 227.092 | 0.0000 | 0.0000 | 80.670 | 0.11881 | 0.00000 | 602892.1 | 492764.4 | 0.0 | S |
| 227.100 | 0.0000 | 0.0000 | 80.670 | 0.11881 | 0.00000 | 602892.1 | 492767.9 | 0.0 | S |
| 227.108 | 0.0000 | 0.0000 | 80.670 | 0.11880 | 0.00000 | 602892.1 | 492771.5 | 0.0 | S |
| 227.117 | 0.0000 | 0.0000 | 80.670 | 0.11880 | 0.00000 | 602892.1 | 492775.1 | 0.0 | S |
| 227.125 | 0.0000 | 0.0000 | 80.670 | 0.11879 | 0.00000 | 602892.1 | 492778.6 | 0.0 | S |
| 227.133 | 0.0000 | 0.0000 | 80.670 | 0.11879 | 0.00000 | 602892.1 | 492782.2 | 0.0 | S |
| 227.142 | 0.0000 | 0.0000 | 80.670 | 0.11879 | 0.00000 | 602892.1 | 492785.8 | 0.0 | S |
| 227.150 | 0.0000 | 0.0000 | 80.670 | 0.11878 | 0.00000 | 602892.1 | 492789.3 | 0.0 | S |
| 227.158 | 0.0000 | 0.0000 | 80.670 | 0.11878 | 0.00000 | 602892.1 | 492792.9 | 0.0 | S |
| 227.167 | 0.0000 | 0.0000 | 80.669 | 0.11877 | 0.00000 | 602892.1 | 492796.4 | 0.0 | S |
| 227.175 | 0.0000 | 0.0000 | 80.669 | 0.11877 | 0.00000 | 602892.1 | 492800.0 | 0.0 | S |
| 227.183 | 0.0000 | 0.0000 | 80.669 | 0.11876 | 0.00000 | 602892.1 | 492803.6 | 0.0 | S |
| 227.192 | 0.0000 | 0.0000 | 80.669 | 0.11876 | 0.00000 | 602892.1 | 492807.1 | 0.0 | S |
| 227.200 | 0.0000 | 0.0000 | 80.669 | 0.11875 | 0.00000 | 602892.1 | 492810.7 | 0.0 | S |
| 227.208 | 0.0000 | 0.0000 | 80.669 | 0.11875 | 0.00000 | 602892.1 | 492814.3 | 0.0 | S |
| 227.217 | 0.0000 | 0.0000 | 80.669 | 0.11874 | 0.00000 | 602892.1 | 492817.8 | 0.0 | S |
| 227.225 | 0.0000 | 0.0000 | 80.669 | 0.11874 | 0.00000 | 602892.1 | 492821.4 | 0.0 | S |
| 227.233 | 0.0000 | 0.0000 | 80.669 | 0.11873 | 0.00000 | 602892.1 | 492824.9 | 0.0 | S |
| 227.242 | 0.0000 | 0.0000 | 80.669 | 0.11873 | 0.00000 | 602892.1 | 492828.5 | 0.0 | S |
| 227.250 | 0.0000 | 0.0000 | 80.669 | 0.11872 | 0.00000 | 602892.1 | 492832.1 | 0.0 | S |
| 227.258 | 0.0000 | 0.0000 | 80.669 | 0.11872 | 0.00000 | 602892.1 | 492835.6 | 0.0 | S |
| 227.267 | 0.0000 | 0.0000 | 80.669 | 0.11871 | 0.00000 | 602892.1 | 492839.2 | 0.0 | S |
| 227.275 | 0.0000 | 0.0000 | 80.669 | 0.11871 | 0.00000 | 602892.1 | 492842.8 | 0.0 | S |
| 227.283 | 0.0000 | 0.0000 | 80.668 | 0.11870 | 0.00000 | 602892.1 | 492846.3 | 0.0 | S |
| 227.292 | 0.0000 | 0.0000 | 80.668 | 0.11870 | 0.00000 | 602892.1 | 492849.9 | 0.0 | S |
| 227.300 | 0.0000 | 0.0000 | 80.668 | 0.11869 | 0.00000 | 602892.1 | 492853.4 | 0.0 | S |
| 227.308 | 0.0000 | 0.0000 | 80.668 | 0.11869 | 0.00000 | 602892.1 | 492857.0 | 0.0 | S |
| 227.317 | 0.0000 | 0.0000 | 80.668 | 0.11868 | 0.00000 | 602892.1 | 492860.6 | 0.0 | S |
| 227.325 | 0.0000 | 0.0000 | 80.668 | 0.11868 | 0.00000 | 602892.1 | 492864.1 | 0.0 | S |
| 227.333 | 0.0000 | 0.0000 | 80.668 | 0.11867 | 0.00000 | 602892.1 | 492867.7 | 0.0 | S |
| 227.342 | 0.0000 | 0.0000 | 80.668 | 0.11867 | 0.00000 | 602892.1 | 492871.3 | 0.0 | S |
| 227.350 | 0.0000 | 0.0000 | 80.668 | 0.11866 | 0.00000 | 602892.1 | 492874.8 | 0.0 | S |
| 227.358 | 0.0000 | 0.0000 | 80.668 | 0.11866 | 0.00000 | 602892.1 | 492878.3 | 0.0 | S |
| 227.367 | 0.0000 | 0.0000 | 80.668 | 0.11865 | 0.00000 | 602892.1 | 492881.9 | 0.0 | S |
| 227.375 | 0.0000 | 0.0000 | 80.668 | 0.11865 | 0.00000 | 602892.1 | 492885.5 | 0.0 | S |
| 227.383 | 0.0000 | 0.0000 | 80.668 | 0.11864 | 0.00000 | 602892.1 | 492889.0 | 0.0 | S |
| 227.392 | 0.0000 | 0.0000 | 80.668 | 0.11864 | 0.00000 | 602892.1 | 492892.6 | 0.0 | S |
| 227.400 | 0.0000 | 0.0000 | 80.667 | 0.11863 | 0.00000 | 602892.1 | 492896.2 | 0.0 | S |
| 227.408 | 0.0000 | 0.0000 | 80.667 | 0.11863 | 0.00000 | 602892.1 | 492899.7 | 0.0 | S |
| 227.417 | 0.0000 | 0.0000 | 80.667 | 0.11862 | 0.00000 | 602892.1 | 492903.3 | 0.0 | S |
| 227.425 | 0.0000 | 0.0000 | 80.667 | 0.11862 | 0.00000 | 602892.1 | 492906.8 | 0.0 | S |
| 227.433 | 0.0000 | 0.0000 | 80.667 | 0.11861 | 0.00000 | 602892.1 | 492910.4 | 0.0 | S |
| 227.442 | 0.0000 | 0.0000 | 80.667 | 0.11861 | 0.00000 | 602892.1 | 492913.9 | 0.0 | S |
| 227.450 | 0.0000 | 0.0000 | 80.667 | 0.11860 | 0.00000 | 602892.1 | 492917.5 | 0.0 | S |
| 227.458 | 0.0000 | 0.0000 | 80.667 | 0.11860 | 0.00000 | 602892.1 | 492921.1 | 0.0 | S |
| 227.467 | 0.0000 | 0.0000 | 80.667 | 0.11860 | 0.00000 | 602892.1 | 492924.6 | 0.0 | S |
| 227.475 | 0.0000 | 0.0000 | 80.667 | 0.11859 | 0.00000 | 602892.1 | 492928.2 | 0.0 | S |
| 227.483 | 0.0000 | 0.0000 | 80.667 | 0.11859 | 0.00000 | 602892.1 | 492931.8 | 0.0 | S |
| 227.492 | 0.0000 | 0.0000 | 80.667 | 0.11858 | 0.00000 | 602892.1 | 492935.3 | 0.0 | S |
| 227.500 | 0.0000 | 0.0000 | 80.667 | 0.11858 | 0.00000 | 602892.1 | 492938.8 | 0.0 | S |
| 227.508 | 0.0000 | 0.0000 | 80.666 | 0.11857 | 0.00000 | 602892.1 | 492942.4 | 0.0 | S |
| 227.517 | 0.0000 | 0.0000 | 80.666 | 0.11857 | 0.00000 | 602892.1 | 492946.0 | 0.0 | S |
| 227.525 | 0.0000 | 0.0000 | 80.666 | 0.11856 | 0.00000 | 602892.1 | 492949.5 | 0.0 | S |
| 227.533 | 0.0000 | 0.0000 | 80.666 | 0.11856 | 0.00000 | 602892.1 | 492953.1 | 0.0 | S |
| 227.542 | 0.0000 | 0.0000 | 80.666 | 0.11855 | 0.00000 | 602892.1 | 492956.6 | 0.0 | S |

PONDS Version 3.2.0207

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year/24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f} 3 / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( f ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 227.550 | 0.0000 | 0.0000 | 80,666 | 0.11855 | 0.00000 | 602892.1 | 492960.2 | 0.0 | S |
| 227.558 | 0.0000 | 0.0000 | 80.666 | 0.11854 | 0.00000 | 602892.1 | 492963.8 | 0.0 | S |
| 227.567 | 0.0000 | 0.0000 | 80.666 | 0.11854 | 0.00000 | 602892.1 | 492967.3 | 0.0 | S |
| 227.575 | 0.0000 | 0.0000 | 80.666 | 0.11853 | 0.00000 | 602892.1 | 492970.8 | 0.0 | S |
| 227.583 | 0.0000 | 0.0000 | 80.666 | 0.11853 | 0.00000 | 602892.1 | 492974.4 | 0.0 | S |
| 227.592 | 0.0000 | 0.0000 | 80.666 | 0.11852 | 0.00000 | 602892.1 | 492978.0 | 0.0 | S |
| 227.600 | 0.0000 | 0.0000 | 80.666 | 0.11852 | 0.00000 | 602892.1 | 492981.5 | 0.0 | S |
| 227.608 | 0.0000 | 0.0000 | 80.666 | 0.11851 | 0.00000 | 602892.1 | 492985.1 | 0.0 | S |
| 227.617 | 0.0000 | 0.0000 | 80.666 | 0.11851 | 0.00000 | 602892.1 | 492988.6 | 0.0 | S |
| 227.625 | 0.0000 | 0.0000 | 80.665 | 0.11850 | 0.00000 | 602892.1 | 492992.2 | 0.0 | S |
| 227.633 | 0.0000 | 0.0000 | 80.665 | 0.11850 | 0.00000 | 602892.1 | 492995.8 | 0.0 | S |
| 227.642 | 0.0000 | 0.0000 | 80.665 | 0.11849 | 0.00000 | 602892.1 | 492999.3 | 0.0 | S |
| 227.650 | 0.0000 | 0.0000 | 80.665 | 0.11849 | 0.00000 | 602892.1 | 493002.8 | 0.0 | S |
| 227.658 | 0.0000 | 0.0000 | 80.665 | 0.11848 | 0.00000 | 602892.1 | 493006.4 | 0.0 | S |
| 227.667 | 0.0000 | 0.0000 | 80.665 | 0.11848 | 0.00000 | 602892.1 | 493010.0 | 0.0 | S |
| 227.675 | 0.0000 | 0.0000 | 80.665 | 0.11847 | 0.00000 | 602892.1 | 493013.5 | 0.0 | S |
| 227.683 | 0.0000 | 0.0000 | 80.665 | 0.11847 | 0.00000 | 602892.1 | 493017.1 | 0.0 | S |
| 227.692 | 0.0000 | 0.0000 | 80.665 | 0.11846 | 0.00000 | 602892.1 | 493020.6 | 0.0 | S |
| 227.700 | 0.0000 | 0.0000 | 80.665 | 0.11846 | 0.00000 | 602892.1 | 493024.2 | 0.0 | S |
| 227.708 | 0.0000 | 0.0000 | 80.665 | 0.11845 | 0.00000 | 602892.1 | 493027.8 | 0.0 | S |
| 227.717 | 0.0000 | 0.0000 | 80.665 | 0.11845 | 0.00000 | 602892.$\}$ | 493031.3 | 0.0 | S |
| 227.725 | 0.0000 | 0.0000 | 80.665 | 0.11844 | 0.00000 | 602892.1 | 493034.8 | 0.0 | S |
| 227.733 | 0.0000 | 0.0000 | 80.665 | 0.11844 | 0.00000 | 602892.1 | 493038.4 | 0.0 | S |
| 227.742 | 0.0000 | 0.0000 | 80.664 | 0.11843 | 0.00000 | 602892.1 | 493041.9 | 0.0 | S |
| 227.750 | 0.0000 | 0.0000 | 80.664 | 0.11843 | 0.00000 | 602892.1 | 493045.5 | 0.0 | S |
| 227.758 | 0.0000 | 0.0000 | 80.664 | 0.11842 | 0.00000 | 602892.1 | 493049.1 | 0.0 | S |
| 227.767 | 0.0000 | 0.0000 | 80.664 | 0.11842 | 0.00000 | 602892.1 | 493052.6 | 0.0 | S |
| 227.775 | 0.0000 | 0.0000 | 80.664 | 0.11842 | 0.00000 | 602892.1 | 493056.2 | 0.0 | S |
| 227.783 | 0.0000 | 0.0000 | 80.664 | 0.11841 | 0.00000 | 602892.1 | 493059.7 | 0.0 | S |
| 227.792 | 0.0000 | 0.0000 | 80.664 | 0.11841 | 0.00000 | 602892.1 | 493063.3 | 0.0 | S |
| 227.800 | 0.0000 | 0.0000 | 80.664 | 0.11840 | 0.00000 | 602892.1 | 493066.8 | 0.0 | S |
| 227.808 | 0.0000 | 0.0000 | 80.664 | 0.11840 | 0.00000 | 602892.1 | 493070.4 | 0.0 | S |
| 227.817 | 0.0000 | 0.0000 | 80.664 | 0.11839 | 0.00000 | 602892.1 | 493073.9 | 0.0 | S |
| 227.825 | 0.0000 | 0.0000 | 80.664 | 0.11839 | 0.00000 | 602892.1 | 493077.5 | 0.0 | S |
| 227.833 | 0.0000 | 0.0000 | 80.664 | 0.11838 | 0.00000 | 602892.1 | 493081.0 | 0.0 | S |
| 227.842 | 0.0000 | 0.0000 | 80.664 | 0.11838 | 0.00000 | 602892.1 | 493084.6 | 0.0 | S |
| 227.850 | 0.0000 | 0.0000 | 80.664 | 0.11837 | 0.00000 | 602892.1 | 493088.1 | 0.0 | S |
| 227.858 | 0.0000 | 0.0000 | 80.663 | 0.11837 | 0.00000 | 602892.1 | 493091.7 | 0.0 | S |
| 227.867 | 0.0000 | 0.0000 | 80.663 | 0.11836 | 0.00000 | 602892.1 | 493095.2 | 0.0 | S |
| 227.875 | 0.0000 | 0.0000 | 80.663 | 0.11836 | 0.00000 | 602892.1 | 493098.8 | 0.0 | S |
| 227.883 | 0.0000 | 0.0000 | 80.663 | 0.11835 | 0.00000 | 602892.1 | 493102.3 | 0.0 | S |
| 227.892 | 0.0000 | 0.0000 | 80.663 | 0.11835 | 0.00000 | 602892.1 | 493105.9 | 0.0 | S |
| 227.900 | 0.0000 | 0.0000 | 80.663 | 0.11834 | 0.00000 | 602892.1 | 493109.4 | 0.0 | S |
| 227.908 | 0.0000 | 0.0000 | 80.663 | 0.11834 | 0.00000 | 602892.1 | 493113.0 | 0.0 | S |
| 227.917 | 0.0000 | 0.0000 | 80.663 | 0.11833 | 0.00000 | 602892.1 | 493116.5 | 0.0 | S |
| 227.925 | 0.0000 | 0.0000 | 80.663 | 0.11833 | 0.00000 | 602892.1 | 493120.1 | 0.0 | S |
| 227.933 | 0.0000 | 0.0000 | 80.663 | 0.11832 | 0.00000 | 602892.1 | 493123.6 | 0.0 | S |
| 227.942 | 0.0000 | 0.0000 | 80.663 | 0.11832 | 0.00000 | 602892.1 | 493127.2 | 0.0 | S |
| 227.950 | 0.0000 | 0.0000 | 80.663 | 0.11831 | 0.00000 | 602892.1 | 493130.7 | 0.0 | S |
| 227.958 | 0.0000 | 0.0000 | 80.663 | 0.11831 | 0.00000 | 602892.1 | 493134.3 | 0.0 | S |
| 227.967 | 0.0000 | 0.0000 | 80.663 | 0.11830 | 0.00000 | 602892.1 | 493137.8 | 0.0 | S |
| 227.975 | 0.0000 | 0.0000 | 80.662 | 0.11830 | 0.00000 | 602892.1 | 493141.4 | 0.0 | S |
| 227.983 | 0.0000 | 0.0000 | 80.662 | 0.11829 | 0.00000 | 602892.1 | 493144.9 | 0.0 | S |
| 227.992 | 0.0000 | 0.0000 | 80.662 | 0.11829 | 0.00000 | 602892.1 | 493148.5 | 0.0 | S |
| 228.000 | 0.0000 | 0.0000 | 80.662 | 0.11828 | 0.00000 | 602892.1 | 493152.0 | 0.0 | S |
| 228.008 | 0.0000 | 0.0000 | 80.662 | 0.11828 | 0.00000 | 602892.1 | 493155.6 | 0.0 | S |
| 228.017 | 0.0000 | 0.0000 | 80.662 | 0.11827 | 0.00000 | 602892.1 | 493159.1 | 0.0 | S |
| 228.025 | 0.0000 | 0.0000 | 80.662 | 0.11827 | 0.00000 | 602892.1 | 493162.7 | 0.0 | S |
| 228.033 | 0.0000 | 0.0000 | 80.662 | 0.11826 | 0.00000 | 602892.1 | 493166.2 | 0.0 | S |
| 228.042 | 0.0000 | 0.0000 | 80.662 | 0.11826 | 0.00000 | 602892.1 | 493169.8 | 0.0 | S |
| 228.050 | 0.0000 | 0.0000 | 80.662 | 0.11826 | 0.00000 | 602892.1 | 493173.3 | 0.0 | S |
| 228.058 | 0.0000 | 0.0000 | 80.662 | 0.11825 | 0.00000 | 602892.1 | 493176.8 | 0.0 | S |
| 228.067 | 0.0000 | 0.0000 | 80.662 | 0.11825 | 0.00000 | 602892.1 | 493180.4 | 0.0 | S |
| 228.075 | 0.0000 | 0.0000 | 80.662 | 0.11824 | 0.00000 | 602892.1 | 493184.0 | 0.0 | S |
| 228.083 | 0.0000 | 0.0000 | 80.662 | 0.11824 | 0.00000 | 602892.1 | 493187.5 | 0.0 | S |
| 228.092 | 0.0000 | 0.0000 | 80.661 | 0.11823 | 0.00000 | 602892.1 | 493191.1 | 0.0 | S |
| 228.100 | 0.0000 | 0.0000 | 80.661 | 0.11823 | 0.00000 | 602892.1 | 493194.6 | 0.0 | S |
| 228.108 | 0.0000 | 0.0000 | 80.661 | 0.11822 | 0.00000 | 602892.1 | 493198.2 | 0.0 | S |
| 228.117 | 0.0000 | 0.0000 | 80.661 | 0.11822 | 0.00000 | 602892.1 | 493201.7 | 0.0 | S |
| 228.125 | 0.0000 | 0.0000 | 80.661 | 0.11821 | 0.00000 | 602892.1 | 493205.3 | 0.0 | S |
| 228.133 | 0.0000 | 0.0000 | 80.661 | 0.11821 | 0.00000 | 602892.1 | 493208.8 | 0.0 | S |
| 228.142 | 0.0000 | 0.0000 | 80.661 | 0.11820 | 0.00000 | 602892.1 | 493212.3 | 0.0 | S |
| 228.150 | 0.0000 | 0.0000 | 80.661 | 0.11820 | 0.00000 | 602892.1 | 493215.9 | 0.0 | S |
| 228.158 | 0.0000 | 0.0000 | 80.661 | 0.11819 | 0.00000 | 602892.1 | 493219.4 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 228.167 | 0.0000 | 0.0000 | 80.661 | 0.11819 | 0.00000 | 602892.1 | 493223.0 | 0.0 | S |
| 228.175 | 0.0000 | 0.0000 | 80.661 | 0.11818 | 0.00000 | 602892.1 | 493226.5 | 0.0 | S |
| 228.183 | 0.0000 | 0.0000 | 80.661 | 0.11818 | 0.00000 | 602892.1 | 493230.1 | 0.0 | S |
| 228.192 | 0.0000 | 0.0000 | 80.661 | 0.11817 | 0.00000 | 602892.1 | 493233.6 | 0.0 | S |
| 228.200 | 0.0000 | 0.0000 | 80.661 | 0.11817 | 0.00000 | 602892.1 | 493237.2 | 0.0 | S |
| 228.208 | 0.0000 | 0.0000 | 80.660 | 0.11816 | 0.00000 | 602892.1 | 493240.7 | 0.0 | S |
| 228.217 | 0.0000 | 0.0000 | 80.660 | 0.11816 | 0.00000 | 602892.1 | 493244.3 | 0.0 | S |
| 228.225 | 0.0000 | 0.0000 | 80.660 | 0.11815 | 0.00000 | 602892.1 | 493247.8 | 0.0 | S |
| 228.233 | 0.0000 | 0.0000 | 80.660 | 0.11815 | 0.00000 | 602892.1 | 493251.3 | 0.0 | S |
| 228.242 | 0.0000 | 0.0000 | 80.660 | 0.11814 | 0.00000 | 602892.1 | 493254.9 | 0.0 | S |
| 228.250 | 0.0000 | 0.0000 | 80.660 | 0.11814 | 0.00000 | 602892.1 | 493258.4 | 0.0 | S |
| 228.258 | 0.0000 | 0.0000 | 80.660 | 0.11813 | 0.00000 | 602892.1 | 493262.0 | 0.0 | S |
| 228.267 | 0.0000 | 0.0000 | 80.660 | 0.11813 | 0.00000 | 602892.1 | 493265.5 | 0.0 | S |
| 228.275 | 0.0000 | 0.0000 | 80.660 | 0.11812 | 0.00000 | 602892.1 | 493269.0 | 0.0 | S |
| 228.283 | 0.0000 | 0.0000 | 80.660 | 0.11812 | 0.00000 | 602892.1 | 493272.6 | 0.0 | S |
| 228.292 | 0.0000 | 0.0000 | 80.660 | 0.11811 | 0.00000 | 602892.1 | 493276.1 | 0.0 | S |
| 228.300 | 0.0000 | 0.0000 | 80.660 | 0.11811 | 0.00000 | 602892.1 | 493279.7 | 0.0 | S |
| 228.308 | 0.0000 | 0.0000 | 80.660 | 0.11811 | 0.00000 | 602892.1 | 493283.2 | 0.0 | S |
| 228.317 | 0.0000 | 0.0000 | 80.659 | 0.11810 | 0.00000 | 602892.1 | 493286.8 | 0.0 | S |
| 228.325 | 0.0000 | 0.0000 | 80.659 | 0.11810 | 0.00000 | 602892.1 | 493290.3 | 0.0 | S |
| 228.333 | 0.0000 | 0.0000 | 80.659 | 0.11809 | 0.00000 | 602892.1 | 493293.8 | 0.0 | S |
| 228.342 | 0.0000 | 0.0000 | 80.659 | 0.11809 | 0.00000 | 602892.1 | 493297.4 | 0.0 | S |
| 228.350 | 0.0000 | 0.0000 | 80.659 | 0.11808 | 0.00000 | 602892.1 | 493300.9 | 0.0 | S |
| 228.358 | 0.0000 | 0.0000 | 80.659 | 0.11808 | 0.00000 | 602892.1 | 493304.5 | 0.0 | S |
| 228.367 | 0.0000 | 0.0000 | 80.659 | 0.11807 | 0.00000 | 602892.1 | 493308.0 | 0.0 | S |
| 228.375 | 0.0000 | 0.0000 | 80.659 | 0.11807 | 0.00000 | 602892.1 | 493311.6 | 0.0 | S |
| 228.383 | 0.0000 | 0.0000 | 80.659 | 0.11806 | 0.00000 | 602892.1 | 493315.1 | 0.0 | S |
| 228.392 | 0.0000 | 0.0000 | 80.659 | 0.11806 | 0.00000 | 602892.1 | 493318.7 | 0.0 | S |
| 228.400 | 0.0000 | 0.0000 | 80.659 | 0.11805 | 0.00000 | 602892.1 | 493322.2 | 0.0 | S |
| 228.408 | 0.0000 | 0.0000 | 80.659 | 0.11805 | 0.00000 | 602892.1 | 493325.7 | 0.0 | S |
| 228.417 | 0.0000 | 0.0000 | 80.659 | 0.11804 | 0.00000 | 602892.1 | 493329.3 | 0.0 | S |
| 228.425 | 0.0000 | 0.0000 | 80.659 | 0.11804 | 0.00000 | 602892.1 | 493332.8 | 0.0 | S |
| 228.433 | 0.0000 | 0.0000 | 80.658 | 0.11803 | 0.00000 | 602892.1 | 493336.3 | 0.0 | S |
| 228.442 | 0.0000 | 0.0000 | 80.658 | 0.11803 | 0.00000 | 602892.1 | 493339.9 | 0.0 | S |
| 228.450 | 0.0000 | 0.0000 | 80.658 | 0.11802 | 0.00000 | 602892.1 | 493343.4 | 0.0 | S |
| 228.458 | 0.0000 | 0.0000 | 80.658 | 0.11802 | 0.00000 | 602892.1 | 493347.0 | 0.0 | S |
| 228.467 | 0.0000 | 0.0000 | 80.658 | 0.11801 | 0.00000 | 602892.1 | 493350.5 | 0.0 | S |
| 228.475 | 0.0000 | 0.0000 | 80.658 | 0.11801 | 0.00000 | 602892.1 | 493354.1 | 0.0 | S |
| 228.483 | 0.0000 | 0.0000 | 80.658 | 0.11800 | 0.00000 | 602892.1 | 493357.6 | 0.0 | S |
| 228.492 | 0.0000 | 0.0000 | 80.658 | 0.11800 | 0.00000 | 602892.1 | 493361.1 | 0.0 | S |
| 228.500 | 0.0000 | 0.0000 | 80.658 | 0.11799 | 0.00000 | 602892.1 | 493364.7 | 0.0 | 5 |
| 228.508 | 0.0000 | 0.0000 | 80.658 | 0.11799 | 0.00000 | 602892.1 | 493368.2 | 0.0 | 5 |
| 228.517 | 0.0000 | 0.0000 | 80.658 | 0.11798 | 0.00000 | 602892.1 | 493371.8 | 0.0 | 5 |
| 228.525 | 0.0000 | 0.0000 | 80.658 | 0.11798 | 0.00000 | 602892.1 | 493375.3 | 0.0 | S |
| 228.533 | 0.0000 | 0.0000 | 80.658 | 0.11797 | 0.00000 | 602892.1 | 493378.8 | 0.0 | S |
| 228.542 | 0.0000 | 0.0000 | 80.658 | 0.11797 | 0.00000 | 602892.1 | 493382.4 | 0.0 | S |
| 228.550 | 0.0000 | 0.0000 | 80.657 | 0.11797 | 0.00000 | 602892.1 | 493385.9 | 0.0 | S |
| 228.558 | 0.0000 | 0.0000 | 80.657 | 0.11796 | 0.00000 | 602892.1 | 493389.4 | 0.0 | 5 |
| 228.567 | 0.0000 | 0.0000 | 80.657 | 0.11796 | 0.00000 | 602892.1 | 493393.0 | 0.0 | S |
| 228.575 | 0.0000 | 0.0000 | 80.657 | 0.11795 | 0.00000 | 602892.1 | 493396.5 | 0.0 | S |
| 228.583 | 0.0000 | 0.0000 | 80.657 | 0.11795 | 0.00000 | 602892.1 | 493400.1 | 0.0 | S |
| 228.592 | 0.0000 | 0.0000 | 80.657 | 0.11794 | 0.00000 | 602892.1 | 493403.6 | 0.0 | S |
| 228.600 | 0.0000 | 0.0000 | 80.657 | 0.11794 | 0.00000 | 602892.1 | 493407.1 | 0.0 | S |
| 228.608 | 0.0000 | 0.0000 | 80.657 | 0.11793 | 0.00000 | 602892.1 | 493410.7 | 0.0 | S |
| 228.617 | 0.0000 | 0.0000 | 80.657 | 0.11793 | 0.00000 | 602892.1 | 493414.2 | 0.0 | S |
| 228.625 | 0.0000 | 0.0000 | 80.657 | 0.11792 | 0.00000 | 602892.1 | 493417.8 | 0.0 | S |
| 228.633 | 0.0000 | 0.0000 | 80.657 | 0.11792 | 0.00000 | 602892.1 | 493421.3 | 0.0 | S |
| 228.642 | 0.0000 | 0.0000 | 80.657 | 0.11791 | 0.00000 | 602892.1 | 493424.8 | 0.0 | S |
| 228.650 | 0.0000 | 0.0000 | 80.657 | 0.11791 | 0.00000 | 602892.1 | 493428.4 | 0.0 | S |
| 228.658 | 0.0000 | 0.0000 | 80.657 | 0.11790 | 0.00000 | 602892.1 | 493431.9 | 0.0 | S |
| 228.667 | 0.0000 | 0.0000 | 80.656 | 0.11790 | 0.00000 | 602892.1 | 493435.4 | 0.0 | S |
| 228.675 | 0.0000 | 0.0000 | 80.656 | 0.11789 | 0.00000 | 602892.1 | 493439.0 | 0.0 | S |
| 228.683 | 0.0000 | 0.0000 | 80.656 | 0.11789 | 0.00000 | 602892.1 | 493442.5 | 0.0 | S |
| 228.692 | 0.0000 | 0.0000 | 80.656 | 0.11788 | 0.00000 | 602892.1 | 493446.1 | 0.0 | S |
| 228.700 | 0.0000 | 0.0000 | 80.656 | 0.11788 | 0.00000 | 602892.1 | 493449.6 | 0.0 | S |
| 228.708 | 0.0000 | 0.0000 | 80.656 | 0.11787 | 0.00000 | 602892.1 | 493453.1 | 0.0 | S |
| 228.717 | 0.0000 | 0.0000 | 80.656 | 0.11787 | 0.00000 | 602892.1 | 493456.7 | 0.0 | S |
| 228.725 | 0.0000 | 0.0000 | 80.656 | 0.11786 | 0.00000 | 602892.1 | 493460.2 | 0.0 | S |
| 228.733 | 0.0000 | 0.0000 | 80.656 | 0.11786 | 0.00000 | 602892.1 | 493463.7 | 0.0 | S |
| 228.742 | 0.0000 | 0.0000 | 80.656 | 0.11785 | 0.00000 | 602892.1 | 493467.3 | 0.0 | S |
| 228.750 | 0.0000 | 0.0000 | 80.656 | 0.11785 | 0.00000 | 602892.1 | 493470.8 | 0.0 | S |
| 228.758 | 0.0000 | 0.0000 | 80.656 | 0.11784 | 0.00000 | 602892.1 | 493474.3 | 0.0 | S |
| 228.767 | 0.0000 | 0.0000 | 80.656 | 0.11784 | 0.00000 | 602892.1 | 493477.9 | 0.0 | S |
| 228.775 | 0.0000 | 0.0000 | 80.656 | 0.11784 | 0.00000 | 602892.1 | 493481.4 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (H/day) | Stage Elevation (ft datum) | Infiltration Rate (ftis) | Overflow Discharge ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{t}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 228.783 | 0.0000 | 0.0000 | 80.655 | 0.11783 | 0.00000 | 602892.1 | 493484.9 | 0.0 | S |
| 228.792 | 0.0000 | 0.0000 | 80.655 | 0.11783 | 0.00000 | 602892.1 | 493488.5 | 0.0 | S |
| 228.800 | 0.0000 | 0.0000 | 80.655 | 0.11782 | 0.00000 | 602892.1 | 493492.0 | 0.0 | S |
| 228.808 | 0.0000 | 0.0000 | 80.655 | 0.11782 | 0.00000 | 602892.1 | 493495.6 | 0.0 | S |
| 228.817 | 0.0000 | 0.0000 | 80.655 | 0.11781 | 0.00000 | 602892.1 | 493499.1 | 0.0 | S |
| 228.825 | 0.0000 | 0.0000 | 80.655 | 0.11781 | 0.00000 | 602892.1 | 493502.6 | 0.0 | S |
| 228.833 | 0.0000 | 0.0000 | 80.655 | 0.11780 | 0.00000 | 602892.1 | 493506.2 | 0.0 | S |
| 228.842 | 0.0000 | 0.0000 | 80.655 | 0.11780 | 0.00000 | 602892.1 | 493509.7 | 0.0 | S |
| 228.850 | 0.0000 | 0.0000 | 80.655 | 0.11779 | 0.00000 | 602892.1 | 493513.2 | 0.0 | S |
| 228.858 | 0.0000 | 0.0000 | 80.655 | 0.11779 | 0.00000 | 602892.1 | 493516.8 | 0.0 | S |
| 228.867 | 0.0000 | 0.0000 | 80.655 | 0.11778 | 0.00000 | 602892.1 | 493520.3 | 0.0 | S |
| 228.875 | 0.0000 | 0.0000 | 80.655 | 0.11778 | 0.00000 | 602892.1 | 493523.8 | 0.0 | S |
| 228.883 | 0.0000 | 0.0000 | 80.655 | 0.11777 | 0.00000 | 602892.1 | 493527.3 | 0.0 | S |
| 228.892 | 0.0000 | 0.0000 | 80.655 | 0.11777 | 0.00000 | 602892.1 | 493530.9 | 0.0 | S |
| 228.900 | 0.0000 | 0.0000 | 80.654 | 0.11776 | 0.00000 | 602892.1 | 493534.4 | 0.0 | S |
| 228.908 | 0.0000 | 0.0000 | 80.654 | 0.11776 | 0.00000 | 602892.1 | 493537.9 | 0.0 | S |
| 228.917 | 0.0000 | 0.0000 | 80.654 | 0.11775 | 0.00000 | 602892.1 | 493541.5 | 0.0 | S |
| 228.925 | 0.0000 | 0.0000 | 80.654 | 0.11775 | 0.00000 | 602892.1 | 493545.0 | 0.0 | S |
| 228.933 | 0.0000 | 0.0000 | 80.654 | 0.11774 | 0.00000 | 602892.1 | 493548.6 | 0.0 | S |
| 228.942 | 0.0000 | 0.0000 | 80.654 | 0.11774 | 0.00000 | 602892.1 | 493552.1 | 0.0 | S |
| 228.950 | 0.0000 | 0.0000 | 80.654 | 0.11773 | 0.00000 | 602892.1 | 493555.6 | 0.0 | S |
| 228.958 | 0.0000 | 0.0000 | 80.654 | 0.11773 | 0.00000 | 602892.1 | 493559.2 | 0.0 | S |
| 228.967 | 0.0000 | 0.0000 | 80.654 | 0.11772 | 0.00000 | 602892.1 | 493562.7 | 0.0 | S |
| 228.975 | 0.0000 | 0.0000 | 80.654 | 0.11772 | 0.00000 | 602892.1 | 493566.2 | 0.0 | S |
| 228.983 | 0.0000 | 0.0000 | 80.654 | 0.11771 | 0.00000 | 602892.1 | 493569.8 | 0.0 | S |
| 228.992 | 0.0000 | 0.0000 | 80.654 | 0.11771 | 0.00000 | 602892.1 | 493573.3 | 0.0 | S |
| 229.000 | 0.0000 | 0.0000 | 80.654 | 0.11771 | 0.00000 | 602892.1 | 493576.8 | 0.0 | S |
| 229.008 | 0.0000 | 0.0000 | 80.654 | 0.11770 | 0.00000 | 602892.1 | 493580.3 | 0.0 | S |
| 229.017 | 0.0000 | 0.0000 | 80.653 | 0.11770 | 0.00000 | 602892.1 | 493583.9 | 0.0 | S |
| 229.025 | 0.0000 | 0.0000 | 80.653 | 0.11769 | 0.00000 | 602892.1 | 493587.4 | 0.0 | S |
| 229.033 | 0.0000 | 0.0000 | 80.653 | 0.11769 | 0.00000 | 602892.1 | 493590.9 | 0.0 | S |
| 229.042 | 0.0000 | 0.0000 | 80.653 | 0.11768 | 0.00000 | 602892.1 | 493594.5 | 0.0 | S |
| 229.050 | 0.0000 | 0.0000 | 80.653 | 0.11768 | 0.00000 | 602892.1 | 493598.0 | 0.0 | S |
| 229.058 | 0.0000 | 0.0000 | 80.653 | 0.11767 | 0.00000 | 602892.1 | 493601.5 | 0.0 | S |
| 229.067 | 0.0000 | 0.0000 | 80.653 | 0.11767 | 0.00000 | 602892.1 | 493605.0 | 0.0 | S |
| 229.075 | 0.0000 | 0.0000 | 80.653 | 0.11766 | 0.00000 | 602892.1 | 493608.6 | 0.0 | S |
| 229.083 | 0.0000 | 0.0000 | 80.653 | 0.11766 | 0.00000 | 602892.1 | 493612.1 | 0.0 | S |
| 229.092 | 0.0000 | 0.0000 | 80.653 | 0.11765 | 0.00000 | 602892.1 | 493615.6 | 0.0 | S |
| 229.100 | 0.0000 | 0.0000 | 80.653 | 0.11765 | 0.00000 | 602892.1 | 493619.2 | 0.0 | S |
| 229.108 | 0.0000 | 0.0000 | 80.653 | 0.11764 | 0.00000 | 602892.1 | 493622.7 | 0.0 | S |
| 229.117 | 0.0000 | 0.0000 | 80.653 | 0.11764 | 0.00000 | 602892.1 | 493626.2 | 0.0 | S |
| 229.125 | 0.0000 | 0.0000 | 80.653 | 0.11763 | 0.00000 | 602892.1 | 493629.8 | 0.0 | S |
| 229.133 | 0.0000 | 0.0000 | 80.652 | 0.11763 | 0.00000 | 602892.1 | 493633.3 | 0.0 | S |
| 229.142 | 0.0000 | 0.0000 | 80.652 | 0.11762 | 0.00000 | 602892.1 | 493636.8 | 0.0 | S |
| 229.150 | 0.0000 | 0.0000 | 80.652 | 0.11762 | 0.00000 | 602892.1 | 493640.3 | 0.0 | S |
| 229.158 | 0.0000 | 0.0000 | 80.652 | 0.11761 | 0.00000 | 602892.1 | 493643.9 | 0.0 | S |
| 229.167 | 0.0000 | 0.0000 | 80.652 | 0.11761 | 0.00000 | 602892.1 | 493647.4 | 0.0 | S |
| 229.175 | 0.0000 | 0.0000 | 80.652 | 0.11760 | 0.00000 | 602892.1 | 493650.9 | 0.0 | S |
| 229.183 | 0.0000 | 0.0000 | 80.652 | 0.11760 | 0.00000 | 602892.1 | 493654.4 | 0.0 | S |
| 229.192 | 0.0000 | 0.0000 | 80.652 | 0.11759 | 0.00000 | 602892.1 | 493658.0 | 0.0 | S |
| 229.200 | 0.0000 | 0.0000 | 80.652 | 0.11759 | 0.00000 | 602892.1 | 493661.5 | 0.0 | S |
| 229.208 | 0.0000 | 0.0000 | 80.652 | 0.11759 | 0.00000 | 602892.1 | 493665.0 | 0.0 | S |
| 229.217 | 0.0000 | 0.0000 | 80.652 | 0.11758 | 0.00000 | 602892.1 | 493668.6 | 0.0 | S |
| 229.225 | 0.0000 | 0.0000 | 80.652 | 0.11758 | 0.00000 | 602892.1 | 493672.1 | 0.0 | S |
| 229.233 | 0.0000 | 0.0000 | 80.652 | 0.11757 | 0.00000 | 602892.1 | 493675.6 | 0.0 | S |
| 229.242 | 0.0000 | 0.0000 | 80.652 | 0.11757 | 0.00000 | 602892.1 | 493679.2 | 0.0 | S |
| 229.250 | 0.0000 | 0.0000 | 80.651 | 0.11756 | 0.00000 | 602892.1 | 493682.7 | 0.0 | S |
| 229.258 | 0.0000 | 0.0000 | 80.651 | 0.1 1756 | 0.00000 | 602892.1 | 493686.2 | 0.0 | S |
| 229.267 | 0.0000 | 0.0000 | 80.651 | 0.11755 | 0.00000 | 602892.1 | 493689.7 | 0.0 | S |
| 229.275 | 0.0000 | 0.0000 | 80.651 | 0.11755 | 0.00000 | 602892.1 | 493693.3 | 0.0 | S |
| 229.283 | 0.0000 | 0.0000 | 80.651 | 0.11754 | 0.00000 | 602892.1 | 493696.8 | 0.0 | S |
| 229.292 | 0.0000 | 0.0000 | 80.651 | 0.11754 | 0.00000 | 602892.1 | 493700.3 | 0.0 | S |
| 229.300 | 0.0000 | 0.0000 | 80.651 | 0.11753 | 0.00000 | 602892.1 | 493703.8 | 0.0 | S |
| 229.308 | 0.0000 | 0.0000 | 80.651 | 0.11753 | 0.00000 | 602892.1 | 493707.3 | 0.0 | S |
| 229.317 | 0.0000 | 0.0000 | 80.651 | 0.11752 | 0.00000 | 602892.1 | 493710.9 | 0.0 | S |
| 229.325 | 0.0000 | 0.0000 | 80.651 | 0.11752 | 0.00000 | 602892.1 | 493714.4 | 0.0 | S |
| 229.333 | 0.0000 | 0.0000 | 80.651 | 0.11751 | 0.00000 | 602892.1 | 493717.9 | 0.0 | S |
| 229.342 | 0.0000 | 0.0000 | 80.651 | 0.11751 | 0.00000 | 602892.1 | 493721.5 | 0.0 | S |
| 229.350 | 0.0000 | 0.0000 | 80,651 | 0.11750 | 0.00000 | 602892.1 | 493725.0 | 0.0 | S |
| 229.358 | 0.0000 | 0.0000 | 80.651 | 0.11750 | 0.00000 | 602892.1 | 493728.5 | 0.0 | S |
| 229.367 | 0.0000 | 0.0000 | 80.650 | 0.11749 | 0.00000 | 602892.1 | 493732.0 | 0.0 | S |
| 229.375 | 0.0000 | 0.0000 | 80.650 | 0.11749 | 0.00000 | 602892.1 | 493735.6 | 0.0 | S |
| 229.383 | 0.0000 | 0.0000 | 80.650 | 0.11748 | 0.00000 | 602892.1 | 493739.1 | 0.0 | S |
| 229.392 | 0.0000 | 0.0000 | 80.650 | 0.11748 | 0.00000 | 602892.1 | 493742.6 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{3} \mathrm{~s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overtiow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 229.400 | 0.0000 | 0.0000 | 80.650 | 0.11747 | 0.00000 | 602892.1 | 493746.1 | 0.0 | S |
| 229.408 | 0.0000 | 0.0000 | 80.650 | 0.11747 | 0.00000 | 602892.1 | 493749.7 | 0.0 | S |
| 229.417 | 0.0000 | 0.0000 | 80.650 | 0.11747 | 0.00000 | 602892.1 | 493753.2 | 0.0 | S |
| 229.425 | 0.0000 | 0.0000 | 80.650 | 0.11746 | 0.00000 | 602892.1 | 493756.7 | 0.0 | S |
| 229.433 | 0.0000 | 0.0000 | 80.650 | 0.11746 | 0.00000 | 602892.1 | 493760.2 | 0.0 | S |
| 229.442 | 0.0000 | 0.0000 | 80.650 | 0.11745 | 0.00000 | 602892.1 | 493763.8 | 0.0 | S |
| 229.450 | 0.0000 | 0.0000 | 80.650 | 0.11745 | 0.00000 | 602892.1 | 493767.3 | 0.0 | S |
| 229.458 | 0.0000 | 0.0000 | 80.650 | 0.11744 | 0.00000 | 602882.1 | 493770.8 | 0.0 | S |
| 229.467 | 0.0000 | 0.0000 | 80.650 | 0.71744 | 0.00000 | 602892.1 | 493774.3 | 0.0 | S |
| 229.475 | 0.0000 | 0.0000 | 80.650 | 0.11743 | 0.00000 | 602892.1 | 493777.8 | 0.0 | S |
| 229.483 | 0.0000 | 0.0000 | 80.649 | 0.11743 | 0.00000 | 602892.1 | 493781.4 | 0.0 | S |
| 229.492 | 0.0000 | 0.0000 | 80.649 | 0.11742 | 0.00000 | 602892.1 | 493784.9 | 0.0 | S |
| 229.500 | 0.0000 | 0.0000 | 80.649 | 0.11742 | 0.00000 | 602892.1 | 493788.4 | 0.0 | S |
| 229.508 | 0.0000 | 0.0000 | 80.649 | 0.11741 | 0.00000 | 602892.1 | 493791.9 | 0.0 | S |
| 229.517 | 0.0000 | 0.0000 | 80.649 | 0.11741 | 0.00000 | 602892.1 | 493795.5 | 0.0 | S |
| 229.525 | 0.0000 | 0.0000 | 80.649 | 0.11740 | 0.00000 | 602892.1 | 493799.0 | 0.0 | S |
| 229.533 | 0.0000 | 0.0000 | 80.649 | 0.11740 | 0.00000 | 602892.1 | 493802.5 | 0.0 | S |
| 229.542 | 0.0000 | 0.0000 | 80.649 | 0.11739 | 0.00000 | 602892.1 | 493806.0 | 0.0 | S |
| 229.550 | 0.0000 | 0.0000 | 80.649 | 0.11739 | 0.00000 | 602892.1 | 493809.5 | 0.0 | S |
| 229.558 | 0.0000 | 0.0000 | 80.649 | 0.11738 | 0.00000 | 602892.1 | 493813.1 | 0.0 | S |
| 229.567 | 0.0000 | 0.0000 | 80.649 | 0.11738 | 0.00000 | 602892.1 | 493816.6 | 0.0 | S |
| 229.575 | 0.0000 | 0.0000 | 80.649 | 0.11737 | 0.00000 | 602892.1 | 493820.1 | 0.0 | S |
| 229.583 | 0.0000 | 0.0000 | 80.649 | 0.11737 | 0.00000 | 602892.1 | 493823.6 | 0.0 | S |
| 229.592 | 0.0000 | 0.0000 | 80.649 | 0.11736 | 0.00000 | 602892.1 | 493827.2 | 0.0 | S |
| 229.600 | 0.0000 | 0.0000 | 80.648 | 0.11736 | 0.00000 | 602892.1 | 493830.7 | 0.0 | S |
| 229.608 | 0.0000 | 0.0000 | 80.648 | 0.11736 | 0.00000 | 602892.1 | 493834.2 | 0.0 | S |
| 229.617 | 0.0000 | 0.0000 | 80.648 | 0.11735 | 0.00000 | 602892.1 | 493837.7 | 0.0 | S |
| 229.625 | 0.0000 | 0.0000 | 80.648 | 0.11735 | 0.00000 | 602892.1 | 493841.2 | 0.0 | S |
| 229.633 | 0.0000 | 0.0000 | 80.648 | 0.11734 | 0.00000 | 602892.1 | 493844.8 | 0.0 | S |
| 229.642 | 0.0000 | 0.0000 | 80.648 | 0.11734 | 0.00000 | 602892.1 | 493848.3 | 0.0 | S |
| 229.650 | 0.0000 | 0.0000 | 80.648 | 0.11733 | 0.00000 | 602892.1 | 493851.8 | 0.0 | S |
| 229.658 | 0.0000 | 0.0000 | 80.648 | 0.11733 | 0.00000 | 602862.1 | 493855.3 | 0.0 | S |
| 229.667 | 0.0000 | 0.0000 | 80.648 | 0.11732 | 0.00000 | 602892.1 | 493858.8 | 0.0 | S |
| 229.675 | 0.0000 | 0.0000 | 80.648 | 0.11732 | 0.00000 | 602892.1 | 493862.3 | 0.0 | S |
| 229.683 | 0.0000 | 0.0000 | 80.648 | 0.11731 | 0.00000 | 602892.1 | 493865.9 | 0.0 | S |
| 229.692 | 0.0000 | 0.0000 | 80.648 | 0.11731 | 0.00000 | 602892.1 | 493869.4 | 0.0 | S |
| 229.700 | 0.0000 | 0.0000 | 80.648 | 0.11730 | 0.00000 | 602892.1 | 493872.9 | 0.0 | S |
| 229.708 | 0.0000 | 0.0000 | 80.648 | 0.11730 | 0.00000 | 602892.1 | 493876.4 | 0.0 | S |
| 229.717 | 0.0000 | 0.0000 | 80.647 | 0.11729 | 0.00000 | 602892.1 | 493879.9 | 0.0 | S |
| 229.725 | 0.0000 | 0.0000 | 80.647 | 0.11729 | 0.00000 | 602892.1 | 493883.5 | 0.0 | S |
| 229.733 | 0.0000 | 0.0000 | 80.647 | 0.11728 | 0.00000 | 602892.1 | 493887.0 | 0.0 | S |
| 229.742 | 0.0000 | 0.0000 | 80.647 | 0.11728 | 0.00000 | 602892.1 | 493890.5 | 0.0 | S |
| 229.750 | 0.0000 | 0.0000 | 80.647 | 0.11727 | 0.00000 | 602892.1 | 493894.0 | 0.0 | S |
| 229.758 | 0.0000 | 0.0000 | 80.647 | 0.11727 | 0.00000 | 602892.1 | 493897.5 | 0.0 | S |
| 229.767 | 0.0000 | 0.0000 | 80.647 | 0.11726 | 0.00000 | 602892.1 | 493901.1 | 0.0 | S |
| 229.775 | 0.0000 | 0.0000 | 80.647 | 0.11726 | 0.00000 | 602892.1 | 493904.6 | 0.0 | S |
| 229.783 | 0.0000 | 0.0000 | 80.647 | 0.11725 | 0.00000 | 602892.1 | 493908.1 | 0.0 | S |
| 229.792 | 0.0000 | 0.0000 | 80.647 | 0.11725 | 0.00000 | 602892.1 | 493911.6 | 0.0 | S |
| 229,800 | 0.0000 | 0.0000 | 80.647 | 0.11725 | 0.00000 | 602892.1 | 493915.1 | 0.0 | S |
| 229.808 | 0.0000 | 0.0000 | 80.647 | 0.11724 | 0.00000 | 602892.1 | 493918.7 | 0.0 | S |
| 229.817 | 0.0000 | 0.0000 | 80.647 | 0.11724 | 0.00000 | 602892.1 | 493922.2 | 0.0 | S |
| 229.825 | 0.0000 | 0.0000 | 80.647 | 0.11723 | 0.00000 | 602892.1 | 493925.7 | 0.0 | S |
| 229.833 | 0.0000 | 0.0000 | 80.646 | 0.11723 | 0.00000 | 602892.1 | 493929.2 | 0.0 | S |
| 229.842 | 0.0000 | 0.0000 | 80.646 | 0.11722 | 0.00000 | 602892.1 | 493932.7 | 0.0 | S |
| 229.850 | 0.0000 | 0.0000 | 80.646 | 0.11722 | 0.00000 | 602892.1 | 493936.2 | 0.0 | S |
| 229.858 | 0.0000 | 0.0000 | 80.646 | 0.11721 | 0.00000 | 602892.1 | 493939.8 | 0.0 | S |
| 229.867 | 0.0000 | 0.0000 | 80.646 | 0.11721 | 0.00000 | 602892.1 | 493943.3 | 0.0 | S |
| 229.875 | 0.0000 | 0.0000 | 80.646 | 0.11720 | 0.00000 | 602892.1 | 493946.8 | 0.0 | S |
| 229.883 | 0.0000 | 0.0000 | 80.646 | 0.11720 | 0.00000 | 602892.1 | 493950.3 | 0.0 | S |
| 229.892 | 0.0000 | 0.0000 | 80.646 | 0.11719 | 0.00000 | 602892.1 | 493953.8 | 0.0 | S |
| 229.900 | 0.0000 | 0.0000 | 80.646 | 0.11719 | 0.00000 | 602892.1 | 493957.3 | 0.0 | S |
| 229.908 | 0.0000 | 0.0000 | 80.646 | 0.11718 | 0.00000 | 602892.1 | 493960.8 | 0.0 | S |
| 229.917 | 0.0000 | 0.0000 | 80.646 | 0.11718 | 0.00000 | 602892.1 | 493964.3 | 0.0 | S |
| 229.925 | 0.0000 | 0.0000 | 80.646 | 0.11717 | 0.00000 | 602892.1 | 493967.9 | 0.0 | S |
| 229.933 | 0.0000 | 0.0000 | 80.646 | 0.11717 | 0.00000 | 602892.1 | 493971.4 | 0.0 | S |
| 229.942 | 0.0000 | 0.0000 | 80.646 | 0.11716 | 0.00000 | 602892.1 | 493974.9 | 0.0 | S |
| 229.950 | 0.0000 | 0.0000 | 80.645 | 0.11716 | 0.00000 | 602892.1 | 493978.4 | 0.0 | S |
| 229.958 | 0.0000 | 0.0000 | 80.645 | 0.11715 | 0.00000 | 602892.1 | 493981.9 | 0.0 | S |
| 229.967 | 0.0000 | 0.0000 | 80.645 | 0.11715 | 0.00000 | 602892.1 | 493985.4 | 0.0 | S |
| 229.975 | 0.0000 | 0.0000 | 80.645 | 0.11715 | 0.00000 | 602892.1 | 493989.0 | 0.0 | S |
| 229.983 | 0.0000 | 0.0000 | 80.645 | 0.11714 | 0.00000 | 602892.1 | 493992.5 | 0.0 | S |
| 229.992 | 0.0000 | 0.0000 | 80.645 | 0.11714 | 0.00000 | 602892.1 | 493996.0 | 0.0 | S |
| 230.000 | 0.0000 | 0.0000 | 80.645 | 0.11713 | 0.00000 | 602892.1 | 493999.5 | 0.0 | S |
| 230.008 | 0.0000 | 0.0000 | 80.645 | 0.11713 | 0.00000 | 602892.1 | 494003.0 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (f datum) | Infillration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Cumulative inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 230.017 | 0.0000 | 0.0000 | 80.645 | 0.11712 | 0.00000 | 602892.1 | 494006.5 | 0.0 | S |
| 230.025 | 0.0000 | 0.0000 | 80.645 | 0.11712 | 0.00000 | 602892.1 | 494010.0 | 0.0 | S |
| 230.033 | 0.0000 | 0.0000 | 80.645 | 0.11711 | 0.00000 | 602892.1 | 494013.6 | 0.0 | S |
| 230.042 | 0.0000 | 0.0000 | 80.645 | 0.11711 | 0.00000 | 602892.1 | 494017.1 | 0.0 | S |
| 230.050 | 0.0000 | 0.0000 | 80.645 | 0.11710 | 0.00000 | 602892.1 | 494020.6 | 0.0 | S |
| 230.058 | 0.0000 | 0.0000 | 80.645 | 0.11710 | 0.00000 | 602892.1 | 494024.1 | 0.0 | S |
| 230.067 | 0.0000 | 0.0000 | 80.644 | 0.11709 | 0.00000 | 602892.1 | 494027.6 | 0.0 | S |
| 230.075 | 0.0000 | 0.0000 | 80.644 | 0.11709 | 0.00000 | 602892.1 | 494031.1 | 0.0 | S |
| 230.083 | 0.0000 | 0.0000 | 80.644 | 0.11708 | 0.00000 | 602892.1 | 494034.6 | 0.0 | S |
| 230.092 | 0.0000 | 0.0000 | 80.644 | 0.11708 | 0.00000 | 602892.1 | 494038.2 | 0.0 | S |
| 230.100 | 0.0000 | 0.0000 | 80.644 | 0.11707 | 0.00000 | 602892.1 | 494041.7 | 0.0 | S |
| 230.108 | 0.0000 | 0.0000 | 80.644 | 0.11707 | 0.00000 | 602892.1 | 494045.2 | 0.0 | S |
| 230.117 | 0.0000 | 0.0000 | 80.644 | 0.11706 | 0.00000 | 602892.1 | 494048.7 | 0.0 | S |
| 230.125 | 0.0000 | 0.0000 | 80.644 | 0.11706 | 0.00000 | 602892.1 | 494052.2 | 0.0 | S |
| 230.133 | 0.0000 | 0.0000 | 80.644 | 0.11705 | 0.00000 | 602892.1 | 494055.7 | 0.0 | S |
| 230.142 | 0.0000 | 0.0000 | 80.644 | 0.11705 | 0.00000 | 602892.1 | 494059.2 | 0.0 | S |
| 230.150 | 0.0000 | 0.0000 | 80.644 | 0.11705 | 0.00000 | 602892.1 | 494062.7 | 0.0 | S |
| 230.158 | 0.0000 | 0.0000 | 80.644 | 0.11704 | 0.00000 | 602892.1 | 494066.3 | 0.0 | S |
| 230.167 | 0.0000 | 0.0000 | 80.644 | 0.11704 | 0.00000 | 602892.1 | 494069.8 | 0.0 | S |
| 230.175 | 0.0000 | 0.0000 | 80.644 | 0.11703 | 0.00000 | 602892.1 | 494073.3 | 0.0 | S |
| 230.183 | 0.0000 | 0.0000 | 80.643 | 0.11703 | 0.00000 | 602892.1 | 494076.8 | 0.0 | S |
| 230.192 | 0.0000 | 0.0000 | 80.643 | 0.11702 | 0.00000 | 602892.1 | 494080.3 | 0.0 | S |
| 230.200 | 0.0000 | 0.0000 | 80.643 | 0.11702 | 0.00000 | 602892.1 | 494083.8 | 0.0 | S |
| 230.208 | 0.0000 | 0.0000 | 80.643 | 0.11701 | 0.00000 | 602892.1 | 494087.3 | 0.0 | S |
| 230.217 | 0.0000 | 0.0000 | 80.643 | 0.11701 | 0.00000 | 602892.1 | 494090.8 | 0.0 | S |
| 230.225 | 0.0000 | 0.0000 | 80.643 | 0.11700 | 0.00000 | 602892.1 | 494094.3 | 0.0 | S |
| 230.233 | 0.0000 | 0.0000 | 80.643 | 0.11700 | 0.00000 | 602892.1 | 494097.8 | 0.0 | S |
| 230.242 | 0.0000 | 0.0000 | 80.643 | 0.11699 | 0.00000 | 602892.1 | 494101.3 | 0.0 | S |
| 230.250 | 0.0000 | 0.0000 | 80.643 | 0.11699 | 0.00000 | 602892.1 | 494104.8 | 0.0 | S |
| 230.258 | 0.0000 | 0.0000 | 80.643 | 0.11698 | 0.00000 | 602892.1 | 494108.4 | 0.0 | S |
| 230.267 | 0.0000 | 0.0000 | 80.643 | 0.11698 | 0.00000 | 602892.1 | 494111.9 | 0.0 | S |
| 230.275 | 0.0000 | 0.0000 | 80.643 | 0.11697 | 0.00000 | 602892.1 | 494115.4 | 0.0 | S |
| 230.283 | 0.0000 | 0.0000 | 80.643 | 0.11697 | 0.00000 | 602892.1 | 494118.9 | 0.0 | S |
| 230.292 | 0.0000 | 0.0000 | 80.643 | 0.11696 | 0.00000 | 602892.1 | 494122.4 | 0.0 | S |
| 230.300 | 0.0000 | 0.0000 | 80.642 | 0.11696 | 0.00000 | 602892.1 | 494125.9 | 0.0 | S |
| 230.308 | 0.0000 | 0.0000 | 80.642 | 0.11695 | 0.00000 | 602892.1 | 494129.4 | 0.0 | S |
| 230.317 | 0.0000 | 0.0000 | 80.642 | 0.11695 | 0.00000 | 602892.1 | 494132.9 | 0.0 | S |
| 230.325 | 0.0000 | 0.0000 | 80.642 | 0.11695 | 0.00000 | 602892.1 | 494136.4 | 0.0 | S |
| 230.333 | 0.0000 | 0.0000 | 80.642 | 0.11694 | 0.00000 | 602892.1 | 494139.9 | 0.0 | S |
| 230.342 | 0.0000 | 0.0000 | 80.642 | 0.11694 | 0.00000 | 602892.1 | 494143.5 | 0.0 | S |
| 230.350 | 0.0000 | 0.0000 | 80.642 | 0.11693 | 0.00000 | 602892.1 | 494147.0 | 0.0 | S |
| 230.358 | 0.0000 | 0.0000 | 80.642 | 0.11693 | 0.00000 | 602892.1 | 494150.5 | 0.0 | S |
| 230.367 | 0.0000 | 0.0000 | 80.642 | 0.11692 | 0.00000 | 602892.1 | 494154.0 | 0.0 | S |
| 230.375 | 0.0000 | 0.0000 | 80.642 | 0.11692 | 0.00000 | 602892.1 | 494157.5 | 0.0 | S |
| 230.383 | 0.0000 | 0.0000 | 80.642 | 0.11691 | 0.00000 | 602892.1 | 494161.0 | 0.0 | S |
| 230.392 | 0.0000 | 0.0000 | 80.642 | 0.11691 | 0.00000 | 602892.1 | 494164.5 | 0.0 | S |
| 230.400 | 0.0000 | 0.0000 | 80.642 | 0.11690 | 0.00000 | 602892.1 | 494168.0 | 0.0 | S |
| 230.408 | 0.0000 | 0.0000 | 80.642 | 0.11690 | 0.00000 | 602892.1 | 494171.5 | 0.0 | S |
| 230.417 | 0.0000 | 0.0000 | 80.641 | 0.11689 | 0.00000 | 602892.1 | 494175.0 | 0.0 | S |
| 230.425 | 0.0000 | 0.0000 | 80.641 | 0.11689 | 0.00000 | 602892.1 | 494178.5 | 0.0 | S |
| 230.433 | 0.0000 | 0.0000 | 80.641 | 0.11688 | 0.00000 | 602892.1 | 494182.0 | 0.0 | S |
| 230.442 | 0.0000 | 0.0000 | 80.641 | 0.11688 | 0.00000 | 602892.1 | 494185.5 | 0.0 | S |
| 230.450 | 0.0000 | 0.0000 | 80.641 | 0.11687 | 0.00000 | 602892.1 | 494189.1 | 0.0 | S |
| 230.458 | 0.0000 | 0.0000 | 80.641 | 0.11687 | 0.00000 | 602892.1 | 494192.6 | 0.0 | S |
| 230.467 | 0.0000 | 0.0000 | 80.641 | 0.11686 | 0.00000 | 602892.1 | 494196.1 | 0.0 | S |
| 230.475 | 0.0000 | 0.0000 | 80.641 | 0.11686 | 0.00000 | 602892.1 | 494199.6 | 0.0 | S |
| 230.483 | 0.0000 | 0.0000 | 80.641 | 0.11686 | 0.00000 | 602892.1 | 494203.1 | 0.0 | S |
| 230.492 | 0.0000 | 0.0000 | 80.641 | 0.11685 | 0.00000 | 602892.1 | 494206.6 | 0.0 | S |
| 230.500 | 0.0000 | 0.0000 | 80.641 | 0.11685 | 0.00000 | 602892.1 | 494210.1 | 0.0 | S |
| 230.508 | 0.0000 | 0.0000 | 80.641 | 0.11684 | 0.00000 | 602892.1 | 494213.6 | 0.0 | S |
| 230.517 | 0.0000 | 0.0000 | 80.641 | 0.11684 | 0.00000 | 602892.1 | 494217.1 | 0.0 | S |
| 230.525 | 0.0000 | 0.0000 | 80.641 | 0.11683 | 0.00000 | 602892.1 | 494220.6 | 0.0 | S |
| 230.533 | 0.0000 | 0.0000 | 80.640 | 0.11683 | 0.00000 | 602892.1 | 494224.1 | 0.0 | S |
| 230.542 | 0.0000 | 0.0000 | 80.640 | 0.11682 | 0.00000 | 602892.1 | 494227.6 | 0.0 | S |
| 230.550 | 0.0000 | 0.0000 | 80.640 | 0.11682 | 0.00000 | 602892.1 | 494231.1 | 0.0 | S |
| 230.558 | 0.0000 | 0.0000 | 80.640 | 0.11681 | 0.00000 | 602892.1 | 494234.6 | 0.0 | S |
| 230.567 | 0.0000 | 0.0000 | 80.640 | 0.11681 | 0.00000 | 602892.1 | 494238.1 | 0.0 | S |
| 230.575 | 0.0000 | 0.0000 | 80.640 | 0.11680 | 0.00000 | 602892.1 | 494241.6 | 0.0 | S |
| 230.583 | 0.0000 | 0.0000 | 80.640 | 0.11680 | 0.00000 | 602892.1 | 494245.1 | 0.0 | S |
| 230.592 | 0.0000 | 0.0000 | 80.640 | 0.11679 | 0.00000 | 602892.1 | 494248.6 | 0.0 | S |
| 230.600 | 0.0000 | 0.0000 | 80.640 | 0.11679 | 0.00000 | 602892.1 | 494252.1 | 0.0 | S |
| 230.608 | 0.0000 | 0.0000 | 80.640 | 0.11678 | 0.00000 | 602892.1 | 494255.7 | 0.0 | S |
| 230.617 | 0.0000 | 0.0000 | 80.640 | 0.11678 | 0.00000 | 602892.1 | 494259.2 | 0.0 | S |
| 230.625 | 0.0000 | 0.0000 | 80.640 | 0.11677 | 0.00000 | 602892.1 | 494262.7 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside <br> Recharge (f/day) | Stage Elevation (ft datum) | Infiltration Rate (ft ${ }^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $f^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 230.633 | 0.0000 | 0.0000 | 80.640 | 0.11677 | 0.00000 | 602892.1 | 494266.2 | 0.0 | S |
| 230.642 | 0.0000 | 0.0000 | 80.640 | 0.11676 | 0.00000 | 602892.1 | 494269.7 | 0.0 | S |
| 230.650 | 0.0000 | 0.0000 | 80.639 | 0.11676 | 0.00000 | 602892.1 | 494273.2 | 0.0 | S |
| 230.658 | 0.0000 | 0.0000 | 80.639 | 0.11676 | 0.00000 | 602892.1 | 494276.7 | 0.0 | S |
| 230.667 | 0.0000 | 0.0000 | 80.639 | 0.11675 | 0.00000 | 602892.1 | 494280.2 | 0.0 | S |
| 230.675 | 0.0000 | 0.0000 | 80.639 | 0.11675 | 0.00000 | 602892.1 | 494283.7 | 0.0 | S |
| 230.683 | 0.0000 | 0.0000 | 80.639 | 0.11674 | 0.00000 | 602892.1 | 494287.2 | 0.0 | S |
| 230.692 | 0.0000 | 0.0000 | 80.639 | 0.11674 | 0.00000 | 602892.1 | 494290.7 | 0.0 | S |
| 230.700 | 0.0000 | 0.0000 | 80.639 | 0.11673 | 0.00000 | 602892.1 | 494294.2 | 0.0 | S |
| 230.708 | 0.0000 | 0.0000 | 80.639 | 0.11673 | 0.00000 | 602892.1 | 494297.7 | 0.0 | S |
| 230.717 | 0.0000 | 0.0000 | 80.639 | 0.11672 | 0.00000 | 602892.1 | 494301.2 | 0.0 | S |
| 230.725 | 0.0000 | 0.0000 | 80.639 | 0.11672 | 0.00000 | 602892.1 | 494304.7 | 0.0 | S |
| 230.733 | 0.0000 | 0.0000 | 80.639 | 0.11671 | 0.00000 | 602892.1 | 494308.2 | 0.0 | S |
| 230.742 | 0.0000 | 0.0000 | 80.639 | 0.11671 | 0.00000 | 602892.1 | 494311.7 | 0.0 | S |
| 230.750 | 0.0000 | 0.0000 | 80.639 | 0.11670 | 0.00000 | 602892.1 | 494315.2 | 0.0 | S |
| 230.758 | 0.0000 | 0.0000 | 80.639 | 0.11670 | 0.00000 | 602892.1 | 494318.7 | 0.0 | S |
| 230.767 | 0.0000 | 0.0000 | 80.638 | 0.11669 | 0.00000 | 602892.1 | 494322.2 | 0.0 | S |
| 230.775 | 0.0000 | 0.0000 | 80.638 | 0.11669 | 0.00000 | 602892.1 | 494325.7 | 0.0 | S |
| 230.783 | 0.0000 | 0.0000 | 80.638 | 0.11668 | 0.00000 | 602892.1 | 494329.2 | 0.0 | S |
| 230.792 | 0.0000 | 0.0000 | 80.638 | 0.11668 | 0.00000 | 602892.1 | 494332.7 | 0.0 | S |
| 230.800 | 0.0000 | 0.0000 | 80.638 | 0.11667 | 0.00000 | 602892.1 | 494336.2 | 0.0 | S |
| 230.808 | 0.0000 | 0.0000 | 80.638 | 0.11667 | 0.00000 | 602892.1 | 494339.7 | 0.0 | S |
| 230.817 | 0.0000 | 0.0000 | 80.638 | 0.11667 | 0.00000 | 602892.1 | 494343.2 | 0.0 | S |
| 230.825 | 0.0000 | 0.0000 | 80.638 | 0.11666 | 0.00000 | 602892.1 | 494346.7 | 0.0 | S |
| 230.833 | 0.0000 | 0.0000 | 80.638 | 0.11666 | 0.00000 | 602892.1 | 494350.2 | 0.0 | S |
| 230.842 | 0.0000 | 0.0000 | 80.638 | 0.11665 | 0.00000 | 602892.1 | 494353.7 | 0.0 | S |
| 230.850 | 0.0000 | 0.0000 | 80.638 | 0.11665 | 0.00000 | 602892.1 | 494357.2 | 0.0 | S |
| 230.858 | 0.0000 | 0.0000 | 80.638 | 0.11664 | 0.00000 | 602892.1 | 494360.7 | 0.0 | S |
| 230.867 | 0.0000 | 0.0000 | 80.638 | 0.11664 | 0.00000 | 602892.1 | 494364.2 | 0.0 | S |
| 230.875 | 0.0000 | 0.0000 | 80.638 | 0.11663 | 0.00000 | 602892.1 | 494367.7 | 0.0 | S |
| 230.883 | 0.0000 | 0.0000 | 80.637 | 0.11663 | 0.00000 | 602892.1 | 494371.2 | 0.0 | S |
| 230.892 | 0.0000 | 0.0000 | 80.637 | 0.11662 | 0.00000 | 602892.1 | 494374.7 | 0.0 | S |
| 230.900 | 0.0000 | 0.0000 | 80.637 | 0.11662 | 0.00000 | 602892.1 | 494378.2 | 0.0 | S |
| 230.908 | 0.0000 | 0.0000 | 80.637 | 0.11661 | 0.00000 | 602892.1 | 494381.7 | 0.0 | S |
| 230.917 | 0.0000 | 0.0000 | 80.637 | 0.11661 | 0.00000 | 602892.1 | 494385.2 | 0.0 | S |
| 230.925 | 0,0000 | 0.0000 | 80.637 | 0.11660 | 0.00000 | 602892.1 | 494388.7 | 0.0 | S |
| 230.933 | 0.0000 | 0.0000 | 80.637 | 0.11660 | 0.00000 | 602892.1 | 494392.2 | 0.0 | S |
| 230.942 | 0.0000 | 0.0000 | 80.637 | 0.11659 | 0.00000 | 602892.1 | 494395.7 | 0.0 | S |
| 230.950 | 0.0000 | 0.0000 | 80.637 | 0.11659 | 0.00000 | 602892.1 | 494399.2 | 0.0 | S |
| 230.958 | 0.0000 | 0.0000 | 80.637 | 0.11659 | 0.00000 | 602892.1 | 494402.7 | 0.0 | S |
| 230.967 | 0.0000 | 0.0000 | 80.637 | 0.11658 | 0.00000 | 602892.1 | 494406.2 | 0.0 | S |
| 230.975 | 0.0000 | 0.0000 | 80.637 | 0.11658 | 0.00000 | 602892.1 | 494409.7 | 0.0 | S |
| 230.983 | 0.0000 | 0.0000 | 80.637 | 0.11657 | 0.00000 | 602892.1 | 494413.2 | 0.0 | S |
| 230.992 | 0.0000 | 0.0000 | 80.637 | 0.11657 | 0.00000 | 602892.1 | 494416.7 | 0.0 | S |
| 231.000 | 0.0000 | 0.0000 | 80.636 | 0.11656 | 0.00000 | 602892.1 | 494420.2 | 0.0 | S |
| 231.008 | 0.0000 | 0.0000 | 80.636 | 0.11656 | 0.00000 | 602892.1 | 494423.7 | 0.0 | S |
| 231.017 | 0.0000 | 0.0000 | 80.636 | 0.11655 | 0.00000 | 602892.1 | 494427.2 | 0.0 | S |
| 231.025 | 0.0000 | 0.0000 | 80.636 | 0.11655 | 0.00000 | 602892.1 | 494430.6 | 0.0 | S |
| 231.033 | 0.0000 | 0.0000 | 80.636 | 0.11654 | 0.00000 | 602892.1 | 494434.1 | 0.0 | S |
| 231.042 | 0.0000 | 0.0000 | 80.636 | 0.11654 | 0.00000 | 602892.1 | 494437.6 | 0.0 | S |
| 231.050 | 0.0000 | 0.0000 | 80.636 | 0.11653 | 0.00000 | 602892.1 | 494441.1 | 0.0 | S |
| 231.058 | 0.0000 | 0.0000 | 80.636 | 0.11653 | 0.00000 | 602892.1 | 494444.6 | 0.0 | S |
| 231.067 | 0.0000 | 0.0000 | 80.636 | 0.11652 | 0.00000 | 602892.1 | 494448.1 | 0.0 | S |
| 231.075 | 0.0000 | 0.0000 | 80.636 | 0.11652 | 0.00000 | 602892.1 | 494451.6 | 0.0 | S |
| 231.083 | 0.0000 | 0.0000 | 80.636 | 0.11651 | 0.00000 | 602892.1 | 494455.1 | 0.0 | S |
| 231.092 | 0.0000 | 0.0000 | 80.636 | 0.11651 | 0.00000 | 602892.1 | 494458.6 | 0.0 | S |
| 231.100 | 0.0000 | 0.0000 | 80.636 | 0.11650 | 0.00000 | 602892.1 | 494462.1 | 0.0 | S |
| 231.108 | 0.0000 | 0.0000 | 80.636 | 0.11650 | 0.00000 | 602892.1 | 494465.6 | 0.0 | S |
| 231.117 | 0.0000 | 0.0000 | 80.635 | 0.11650 | 0.00000 | 602892.1 | 494469.1 | 0.0 | S |
| 231.125 | 0.0000 | 0.0000 | 80.635 | 0.11649 | 0.00000 | 602892.1 | 494472.6 | 0.0 | S |
| 231.133 | 0.0000 | 0.0000 | 80.635 | 0.11649 | 0.00000 | 602892.1 | 494476.1 | 0.0 | S |
| 231.142 | 0.0000 | 0.0000 | 80.635 | 0.11648 | 0.00000 | 602892.1 | 494479.6 | 0.0 | S |
| 231.150 | 0.0000 | 0.0000 | 80.635 | 0.11648 | 0.00000 | 602892.1 | 494483.1 | 0.0 | S |
| 231.158 | 0.0000 | 0.0000 | 80.635 | 0.11647 | 0.00000 | 602892.1 | 494486.6 | 0.0 | S |
| 231.167 | 0.0000 | 0.0000 | 80.635 | 0.11647 | 0.00000 | 602892.1 | 494490.1 | 0.0 | S |
| 231.175 | 0.0000 | 0.0000 | 80.635 | 0.11646 | 0.00000 | 602892.1 | 494493.6 | 0.0 | S |
| 231.183 | 0.0000 | 0.0000 | 80.635 | 0.11646 | 0.00000 | 602892.1 | 494497.0 | 0.0 | S |
| 231.192 | 0.0000 | 0.0000 | 80.635 | 0.11645 | 0.00000 | 602892.1 | 494500.5 | 0.0 | S |
| 231.200 | 0.0000 | 0.0000 | 80.635 | 0.11645 | 0.00000 | 602892.1 | 494504.0 | 0.0 | S |
| 231.208 | 0.0000 | 0.0000 | 80.635 | 0.11644 | 0.00000 | 602892.1 | 494507.5 | 0.0 | S |
| 231.217 | 0.0000 | 0.0000 | 80.635 | 0.11644 | 0.00000 | 602892.1 | 494511.0 | 0.0 | S |
| 231.225 | 0.0000 | 0.0000 | 80.635 | 0.11643 | 0.00000 | 602892.1 | 494514.5 | 0.0 | S |
| 231.233 | 0.0000 | 0.0000 | 80.634 | 0.11643 | 0.00000 | 602892.1 | 494518.0 | 0.0 | S |
| 231.242 | 0.0000 | 0.0000 | 80.634 | 0.11642 | 0.00000 | 602892.1 | 494521.5 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( f '/s) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infilitration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overfiow Discharge ( $\mathrm{f}^{\mathrm{t}} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 231.250 | 0.0000 | 0.0000 | 80.634 | 0.11642 | 0.00000 | 602892.1 | 494525.0 | 0.0 | S |
| 231.258 | 0.0000 | 0.0000 | 80.634 | 0.11642 | 0.00000 | 602892.1 | 494528.5 | 0.0 | S |
| 231.267 | 0.0000 | 0.0000 | 80.634 | 0.11641 | 0.00000 | 602892.1 | 494532.0 | 0.0 | S |
| 231.275 | 0.0000 | 0.0000 | 80.634 | 0.11641 | 0.00000 | 602892.1 | 494535.5 | 0.0 | S |
| 231.283 | 0.0000 | 0.0000 | 80.634 | 0.11640 | 0.00000 | 602892.1 | 494539.0 | 0.0 | S |
| 231.292 | 0.0000 | 0.0000 | 80.634 | 0.11640 | 0.00000 | 602892.1 | 494542.4 | 0.0 | S |
| 231.300 | 0.0000 | 0.0000 | 80.634 | 0.11639 | 0.00000 | 602892.1 | 494545.9 | 0.0 | S |
| 231.308 | 0.0000 | 0.0000 | 80.634 | 0.11639 | 0.00000 | 602892.1 | 494549.4 | 0.0 | S |
| 231.317 | 0.0000 | 0.0000 | 80.634 | 0.11638 | 0.00000 | 602892.1 | 494552.9 | 0.0 | S |
| 231.325 | 0.0000 | 0.0000 | 80.634 | 0.11638 | 0.00000 | 602892.1 | 494556.4 | 0.0 | S |
| 231.333 | 0.0000 | 0.0000 | 80.634 | 0.11637 | 0.00000 | 602892.1 | 494559.9 | 0.0 | S |
| 231.342 | 0.0000 | 0.0000 | 80.634 | 0.11637 | 0.00000 | 602892.1 | 494563.4 | 0.0 | S |
| 231.350 | 0.0000 | 0.0000 | 80.633 | 0.11636 | 0.00000 | 602892.1 | 494566.9 | 0.0 | S |
| 231.358 | 0.0000 | 0.0000 | 80.633 | 0.11636 | 0.00000 | 602892.1 | 494570.4 | 0.0 | S |
| 231.367 | 0.0000 | 0.0000 | 80.633 | 0.11635 | 0.00000 | 602892.1 | 494573.9 | 0.0 | S |
| 231.375 | 0.0000 | 0.0000 | 80.633 | 0.11635 | 0.00000 | 602892.1 | 494577.4 | 0.0 | S |
| 231.383 | 0.0000 | 0.0000 | 80.633 | 0.11634 | 0.00000 | 602892.1 | 494580.8 | 0.0 | S |
| 231.392 | 0.0000 | 0.0000 | 80.633 | 0.11634 | 0.00000 | 602892.1 | 494584.3 | 0.0 | S |
| 231.400 | 0.0000 | 0.0000 | 80.633 | 0.11633 | 0.00000 | 602892.1 | 494587.8 | 0.0 | S |
| 231.408 | 0.0000 | 0.0000 | 80.633 | 0.11633 | 0.00000 | 602892.1 | 494591.3 | 0.0 | S |
| 231.417 | 0.0000 | 0.0000 | 80.633 | 0.11633 | 0.00000 | 602892.1 | 494594.8 | 0.0 | S |
| 231.425 | 0.0000 | 0.0000 | 80.633 | 0.11632 | 0.00000 | 602892.1 | 494598.3 | 0.0 | S |
| 231.433 | 0.0000 | 0.0000 | 80.633 | 0.11632 | 0.00000 | 602892.1 | 494601.8 | 0.0 | S |
| 231.442 | 0.0000 | 0.0000 | 80.633 | 0.11631 | 0.00000 | 602892.1 | 494605.3 | 0.0 | S |
| 231.450 | 0.0000 | 0.0000 | 80.633 | 0.11631 | 0.00000 | 602892.1 | 494608.8 | 0.0 | S |
| 231.458 | 0.0000 | 0.0000 | 80.633 | 0.11630 | 0.00000 | 602892.1 | 494612.3 | 0.0 | S |
| 231.467 | 0.0000 | 0.0000 | 80.632 | 0.11630 | 0.00000 | 602892.1 | 494615.8 | 0.0 | S |
| 231.475 | 0.0000 | 0.0000 | 80.632 | 0.11629 | 0.00000 | 602892.1 | 494619.3 | 0.0 | S |
| 231.483 | 0.0000 | 0.0000 | 80.632 | 0.11629 | 0.00000 | 602892.1 | 494622.7 | 0.0 | S |
| 231.492 | 0.0000 | 0.0000 | 80.632 | 0.11628 | 0.00000 | 602892.1 | 494626.2 | 0.0 | S |
| 231.500 | 0.0000 | 0.0000 | 80.632 | 0.11628 | 0.00000 | 602892.1 | 494629.7 | 0.0 | S |
| 231.508 | 0.0000 | 0.0000 | 80.632 | 0.11627 | 0.00000 | 602892.1 | 494633.2 | 0.0 | S |
| 231.517 | 0.0000 | 0.0000 | 80.632 | 0.11627 | 0.00000 | 602892.1 | 494636.7 | 0.0 | S |
| 231.525 | 0.0000 | 0.0000 | 80.632 | 0.11626 | 0.00000 | 602892.1 | 494640.2 | 0.0 | S |
| 231.533 | 0.0000 | 0.0000 | 80.632 | 0.11626 | 0.00000 | 602892.1 | 494643.7 | 0.0 | S |
| 231.542 | 0.0000 | 0.0000 | 80.632 | 0.11625 | 0.00000 | 602892.1 | 494647.2 | 0.0 | S |
| 231.550 | 0.0000 | 0.0000 | 80.632 | 0.11625 | 0.00000 | 602892.1 | 494650.6 | 0.0 | S |
| 231.558 | 0.0000 | 0.0000 | 80.632 | 0.11625 | 0.00000 | 602892.1 | 494654.1 | 0.0 | S |
| 231.567 | 0.0000 | 0.0000 | 80.632 | 0.11624 | 0.00000 | 602892.1 | 494657.6 | 0.0 | S |
| 231.575 | 0.0000 | 0.0000 | 80.632 | 0.11624 | 0.00000 | 602892.1 | 494661.1 | 0.0 | S |
| 231.583 | 0.0000 | 0.0000 | 80.631 | 0.11623 | 0.00000 | 602892.1 | 494664.6 | 0.0 | S |
| 231.592 | 0.0000 | 0.0000 | 80.631 | 0.11623 | 0.00000 | 602892.1 | 494668.1 | 0.0 | S |
| 231.600 | 0.0000 | 0.0000 | 80.631 | 0.11622 | 0.00000 | 602892.1 | 494671.6 | 0.0 | S |
| 231.608 | 0.0000 | 0.0000 | 80.631 | 0.11622 | 0.00000 | 602892.1 | 494675.0 | 0.0 | S |
| 231.617 | 0.0000 | 0.0000 | 80.631 | 0.11621 | 0.00000 | 602892.1 | 494678.5 | 0.0 | S |
| 231.625 | 0.0000 | 0.0000 | 80.631 | 0.11621 | 0.00000 | 602892.1 | 494682.0 | 0.0 | S |
| 231.633 | 0.0000 | 0.0000 | 80.631 | 0.11620 | 0.00000 | 602892.1 | 494685.5 | 0.0 | S |
| 231.642 | 0.0000 | 0.0000 | 80.631 | 0.11620 | 0.00000 | 602892.1 | 494689.0 | 0.0 | S |
| 231.650 | 0.0000 | 0.0000 | 80.631 | 0.11619 | 0.00000 | 602892.1 | 494692.5 | 0.0 | S |
| 231.658 | 0.0000 | 0.0000 | 80.631 | 0.11619 | 0.00000 | 602892.1 | 494696.0 | 0.0 | S |
| 231.667 | 0.0000 | 0.0000 | 80.631 | 0.11618 | 0.00000 | 602892.1 | 494699.4 | 0.0 | S |
| 231.675 | 0.0000 | 0.0000 | 80.631 | 0.11618 | 0.00000 | 602892.1 | 494702.9 | 0.0 | S |
| 231.683 | 0.0000 | 0.0000 | 80.631 | 0.11617 | 0.00000 | 602892.1 | 494706.4 | 0.0 | S |
| 231.692 | 0.0000 | 0.0000 | 80.631 | 0.11617 | 0.00000 | 602892.1 | 494709.9 | 0.0 | S |
| 231.700 | 0.0000 | 0.0000 | 80.630 | 0.11617 | 0.00000 | 602892.1 | 494713.4 | 0.0 | S |
| 231.708 | 0.0000 | 0.0000 | 80.630 | 0.11616 | 0.00000 | 602892.1 | 494716.9 | 0.0 | S |
| 231.717 | 0.0000 | 0.0000 | 80.630 | 0.11616 | 0.00000 | 602892.1 | 494720.3 | 0.0 | S |
| 231.725 | 0.0000 | 0.0000 | 80.630 | 0.11615 | 0.00000 | 602892.1 | 494723.8 | 0.0 | S |
| 231.733 | 0.0000 | 0.0000 | 80.630 | 0.11615 | 0.00000 | 602892.1 | 494727.3 | 0.0 | S |
| 231.742 | 0.0000 | 0.0000 | 80.630 | 0.11614 | 0.00000 | 602892.1 | 494730.8 | 0.0 | S |
| 231.750 | 0.0000 | 0.0000 | 80.630 | 0.11614 | 0.00000 | 602892.1 | 494734.3 | 0.0 | S |
| 231.758 | 0.0000 | 0.0000 | 80.630 | 0.11613 | 0.00000 | 602892.1 | 494737.8 | 0.0 | S |
| 231.767 | 0.0000 | 0.0000 | 80.630 | 0.11613 | 0.00000 | 602892.1 | 494741.3 | 0.0 | S |
| 231.775 | 0.0000 | 0.0000 | 80.630 | 0.11612 | 0.00000 | 602892.1 | 494744.8 | 0.0 | S |
| 231.783 | 0.0000 | 0.0000 | 80.630 | 0.11612 | 0.00000 | 602892.1 | 494748.2 | 0.0 | S |
| 231.792 | 0.0000 | 0.0000 | 80.630 | 0.11611 | 0.00000 | 602892.1 | 494751.7 | 0.0 | S |
| 231.800 | 0.0000 | 0.0000 | 80.630 | 0.11611 | 0.00000 | 602892.1 | 494755.2 | 0.0 | S |
| 231.808 | 0.0000 | 0.0000 | 80.630 | 0.11610 | 0.00000 | 602892.1 | 494758.7 | 0.0 | S |
| 231.817 | 0.0000 | 0.0000 | 80.629 | 0.11610 | 0.00000 | 602892.1 | 494762.2 | 0.0 | S |
| 231.825 | 0.0000 | 0.0000 | 80.629 | 0.11610 | 0.00000 | 602892.1 | 494765.7 | 0.0 | S |
| 231.833 | 0.0000 | 0.0000 | 80.629 | 0.11609 | 0.00000 | 602892.1 | 494769.1 | 0.0 | S |
| 231.842 | 0.0000 | 0.0000 | 80.629 | 0.11609 | 0.00000 | 602892.1 | 494772.6 | 0.0 | S |
| 231.850 | 0.0000 | 0.0000 | 80.629 | 0.11608 | 0.00000 | 602892.1 | 494776.1 | 0.0 | S |
| 231.858 | 0.0000 | 0.0000 | 80.629 | 0.11608 | 0.00000 | 602892.1 | 494779.6 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / 3 / s)}$ | Outside Recharge (ftday) | Stage Elevation (fl datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Cumulative Intlow Volume ( $\mathrm{ff}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{n}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{fl}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 231.867 | 0.0000 | 0.0000 | 80.629 | 0.11607 | 0.00000 | 602892.1 | 494783.1 | 0.0 | S |
| 231.875 | 0.0000 | 0.0000 | 80.629 | 0.11607 | 0.00000 | 602892.1 | 494786.5 | 0.0 | S |
| 231.883 | 0.0000 | 0.0000 | 80.629 | 0.11606 | 0.00000 | 602892.1 | 494790.0 | 0.0 | S |
| 231.892 | 0.0000 | 0.0000 | 80.629 | 0.11606 | 0.00000 | 602892.1 | 494793.5 | 0.0 | S |
| 231.900 | 0.0000 | 0.0000 | 80.629 | 0.11605 | 0.00000 | 602892.1 | 494797.0 | 0.0 | S |
| 231.908 | 0.0000 | 0.0000 | 80.629 | 0.11605 | 0.00000 | 602892.1 | 494800.5 | 0.0 | S |
| 231.917 | 0.0000 | 0.0000 | 80.629 | 0.11604 | 0.00000 | 602892.1 | 494803.9 | 0.0 | S |
| 231.925 | 0.0000 | 0.0000 | 80.629 | 0.11604 | 0.00000 | 602892.1 | 494807.4 | 0.0 | S |
| 231.933 | 0.0000 | 0.0000 | 80.628 | 0.11603 | 0.00000 | 602892.1 | 494810.9 | 0.0 | S |
| 231.942 | 0.0000 | 0.0000 | 80.628 | 0.11603 | 0.00000 | 602892.1 | 494814.4 | 0.0 | S |
| 231.950 | 0.0000 | 0.0000 | 80.628 | 0.11602 | 0.00000 | 602892.1 | 494817.9 | 0.0 | S |
| 231.958 | 0.0000 | 0.0000 | 80.628 | 0.11602 | 0.00000 | 602892.1 | 494821.3 | 0.0 | S |
| 231.967 | 0.0000 | 0.0000 | 80.628 | 0.11602 | 0.00000 | 602892.1 | 494824.8 | 0.0 | S |
| 231.975 | 0.0000 | 0.0000 | 80.628 | 0.11601 | 0.00000 | 602892.1 | 494828.3 | 0.0 | S |
| 231.983 | 0.0000 | 0.0000 | 80.628 | 0.11601 | 0.00000 | 602892.1 | 494831.8 | 0.0 | S |
| 231.992 | 0.0000 | 0.0000 | 80.628 | 0.11600 | 0.00000 | 602892.1 | 494835.3 | 0.0 | S |
| 232.000 | 0.0000 | 0.0000 | 80.628 | 0.11600 | 0.00000 | 602892.1 | 494838.8 | 0.0 | S |
| 232.008 | 0.0000 | 0.0000 | 80.628 | 0.11599 | 0.00000 | 602892.1 | 494842.2 | 0.0 | S |
| 232.017 | 0.0000 | 0.0000 | 80.628 | 0.11599 | 0.00000 | 602892.1 | 494845.7 | 0.0 | S |
| 232.025 | 0.0000 | 0.0000 | 80.628 | 0.11598 | 0.00000 | 602892.1 | 494849.2 | 0.0 | S |
| 232.033 | 0.0000 | 0.0000 | 80.628 | 0.11598 | 0.00000 | 602892.1 | 494852.7 | 0.0 | S |
| 232.042 | 0.0000 | 0.0000 | 80.628 | 0.11597 | 0.00000 | 602892.1 | 494856.2 | 0.0 | S |
| 232.050 | 0.0000 | 0.0000 | 80.627 | 0.11597 | 0.00000 | 602892.1 | 494859.6 | 0.0 | S |
| 232.058 | 0.0000 | 0.0000 | 80.627 | 0.11596 | 0.00000 | 602892.1 | 494863.1 | 0.0 | S |
| 232.067 | 0.0000 | 0.0000 | 80.627 | 0.11596 | 0.00000 | 602892.1 | 494866.6 | 0.0 | S |
| 232.075 | 0.0000 | 0.0000 | 80.627 | 0.11595 | 0.00000 | 602892.1 | 494870.1 | 0.0 | S |
| 232.083 | 0.0000 | 0.0000 | 80.627 | 0.11595 | 0.00000 | 602892.1 | 494873.5 | 0.0 | S |
| 232.092 | 0.0000 | 0.0000 | 80.627 | 0.11595 | 0.00000 | 602892.1 | 494877.0 | 0.0 | S |
| 232.100 | 0.0000 | 0.0000 | 80.627 | 0.11594 | 0.00000 | 602892.1 | 494880.5 | 0.0 | S |
| 232.108 | 0.0000 | 0.0000 | 80.627 | 0.11594 | 0.00000 | 602892.1 | 494884.0 | 0.0 | S |
| 232.117 | 0.0000 | 0.0000 | 80.627 | 0.11593 | 0.00000 | 602892.1 | 494887.5 | 0.0 | S |
| 232.125 | 0.0000 | 0.0000 | 80.627 | 0.11593 | 0.00000 | 602892.1 | 494890.9 | 0.0 | S |
| 232.133 | 0.0000 | 0.0000 | 80.627 | 0.11592 | 0.00000 | 602892.1 | 494894.4 | 0.0 | S |
| 232.142 | 0.0000 | 0.0000 | 80.627 | 0.11592 | 0.00000 | 602892.1 | 494897.9 | 0.0 | S |
| 232.150 | 0.0000 | 0.0000 | 80.627 | 0.11591 | 0.00000 | 602892.1 | 494901.4 | 0.0 | S |
| 232.158 | 0.0000 | 0.0000 | 80,627 | 0.11591 | 0.00000 | 602892.1 | 494904.8 | 0.0 | S |
| 232.167 | 0.0000 | 0.0000 | 80.626 | 0.11590 | 0.00000 | 602892.1 | 494908.3 | 0.0 | S |
| 232.175 | 0.0000 | 0.0000 | 80.626 | 0.11590 | 0.00000 | 602892.1 | 494911.8 | 0.0 | S |
| 232.183 | 0.0000 | 0.0000 | 80.626 | 0.11589 | 0.00000 | 602892.1 | 494915.3 | 0.0 | S |
| 232.192 | 0.0000 | 0.0000 | 80.626 | 0.11589 | 0.00000 | 602892.1 | 494918.8 | 0.0 | S |
| 232.200 | 0.0000 | 0.0000 | 80.626 | 0.11588 | 0.00000 | 602892.1 | 494922.2 | 0.0 | S |
| 232.208 | 0.0000 | 0.0000 | 80.626 | 0.11588 | 0.00000 | 602892.1 | 494925.7 | 0.0 | S |
| 232.217 | 0.0000 | 0.0000 | 80.626 | 0.11587 | 0.00000 | 602892.1 | 494929.2 | 0.0 | S |
| 232.225 | 0.0000 | 0.0000 | 80.626 | 0.17587 | 0.00000 | 602892.1 | 494932.7 | 0.0 | S |
| 232.233 | 0.0000 | 0.0000 | 80.626 | 0.11587 | 0.00000 | 602892.1 | 494936.1 | 0.0 | S |
| 232.242 | 0.0000 | 0.0000 | 80.626 | 0.11586 | 0.00000 | 602892.1 | 494939.6 | 0.0 | S |
| 232.250 | 0.0000 | 0.0000 | 80.626 | 0.11586 | 0.00000 | 602892.1 | 494943.1 | 0.0 | S |
| 232.258 | 0.0000 | 0.0000 | 80.626 | 0.11585 | 0.00000 | 602892.1 | 494946.6 | 0.0 | S |
| 232.267 | 0.0000 | 0.0000 | 80.626 | 0.11585 | 0.00000 | 602892.1 | 494950.0 | 0.0 | S |
| 232.275 | 0.0000 | 0.0000 | 80.626 | 0.11584 | 0.00000 | 602892.1 | 494953.5 | 0.0 | S |
| 232.283 | 0.0000 | 0.0000 | 80.625 | 0.11584 | 0.00000 | 602892.1 | 494957.0 | 0.0 | S |
| 232.292 | 0.0000 | 0.0000 | 80.625 | 0.11583 | 0.00000 | 602892.1 | 494960.5 | 0.0 | S |
| 232.300 | 0.0000 | 0.0000 | 80.625 | 0.11583 | 0.00000 | 602892.1 | 494963.9 | 0.0 | S |
| 232.308 | 0.0000 | 0.0000 | 80.625 | 0.11582 | 0.00000 | 602892.1 | 494967.4 | 0.0 | S |
| 232.317 | 0.0000 | 0.0000 | 80.625 | 0.11582 | 0.00000 | 602892.1 | 494970.9 | 0.0 | S |
| 232.325 | 0.0000 | 0.0000 | 80.625 | 0.11581 | 0.00000 | 602892.1 | 494974.4 | 0.0 | S |
| 232.333 | 0.0000 | 0.0000 | 80.625 | 0.11581 | 0.00000 | 602892.1 | 494977.8 | 0.0 | S |
| 232.342 | 0.0000 | 0.0000 | 80.625 | 0.11580 | 0.00000 | 602892.1 | 494981.3 | 0.0 | S |
| 232.350 | 0.0000 | 0.0000 | 80.625 | 0.11580 | 0.00000 | 602892.1 | 494984.8 | 0.0 | S |
| 232.358 | 0.0000 | 0.0000 | 80.625 | 0.11580 | 0.00000 | 602892.1 | 494988.3 | 0.0 | S |
| 232.367 | 0.0000 | 0.0000 | 80.625 | 0.11579 | 0.00000 | 602892.1 | 494991.7 | 0.0 | S |
| 232.375 | 0.0000 | 0.0000 | 80.625 | 0.11579 | 0.00000 | 602892.1 | 494995.2 | 0.0 | S |
| 232.383 | 0.0000 | 0.0000 | 80.625 | 0.11578 | 0.00000 | 602892.1 | 494998.7 | 0.0 | S |
| 232.392 | 0.0000 | 0.0000 | 80.625 | 0.11578 | 0.00000 | 602892.1 | 495002.2 | 0.0 | S |
| 232.400 | 0.0000 | 0.0000 | 80.625 | 0.11577 | 0.00000 | 602892.1 | 495005.6 | 0.0 | S |
| 232.408 | 0.0000 | 0.0000 | 80.624 | 0.11577 | 0.00000 | 602892.1 | 495009.1 | 0.0 | S |
| 232.417 | 0.0000 | 0.0000 | 80.624 | 0.11576 | 0.00000 | 602892.1 | 495012.6 | 0.0 | S |
| 232.425 | 0.0000 | 0.0000 | 80.624 | 0.11576 | 0.00000 | 602892.1 | 495016.0 | 0.0 | S |
| 232.433 | 0.0000 | 0.0000 | 80.624 | 0.11575 | 0.00000 | 602892.1 | 495019.5 | 0.0 | S |
| 232.442 | 0.0000 | 0.0000 | 80.624 | 0.11575 | 0.00000 | 602892.1 | 495023.0 | 0.0 | S |
| 232.450 | 0.0000 | 0.0000 | 80.624 | 0.11574 | 0.00000 | 602892.1 | 495026.5 | 0.0 | S |
| 232.458 | 0.0000 | 0.0000 | 80.624 | 0.11574 | 0.00000 | 602892.1 | 495029.9 | 0.0 | S |
| 232.467 | 0.0000 | 0.0000 | 80.624 | 0.11573 | 0.00000 | 602892.1 | 495033.4 | 0.0 | S |
| 232.475 | 0.0000 | 0.0000 | 80.624 | 0.11573 | 0.00000 | 602892.1 | 495036.9 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year/ 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate (f $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume (ft ${ }^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 232.483 | 0.0000 | 0.0000 | 80.624 | 0.11573 | 0.00000 | 602892.1 | 495040.3 | 0.0 | S |
| 232.492 | 0.0000 | 0.0000 | 80.624 | 0.11572 | 0.00000 | 602892.1 | 495043.8 | 0.0 | S |
| 232.500 | 0.0000 | 0.0000 | 80.624 | 0.11572 | 0.00000 | 602892.1 | 495047.3 | 0.0 | S |
| 232.508 | 0.0000 | 0.0000 | 80,624 | 0.11571 | 0.00000 | 602892.1 | 495050.8 | 0.0 | S |
| 232.517 | 0.0000 | 0.0000 | 80.624 | 0.11571 | 0.00000 | 602892.1 | 495054.3 | 0.0 | S |
| 232.525 | 0.0000 | 0.0000 | 80.623 | 0.11570 | 0.00000 | 602892.1 | 495057.7 | 0.0 | S |
| 232.533 | 0.0000 | 0.0000 | 80.623 | 0.11570 | 0.00000 | 602892.1 | 495061.2 | 0.0 | S |
| 232.542 | 0.0000 | 0.0000 | 80.623 | 0.11569 | 0.00000 | 602892.1 | 495064.7 | 0.0 | S |
| 232.550 | 0.0000 | 0.0000 | 80.623 | 0.11569 | 0.00000 | 602892.1 | 495068.1 | 0.0 | S |
| 232.558 | 0.0000 | 0.0000 | 80.623 | 0.11568 | 0.00000 | 602892.1 | 495071.6 | 0.0 | S |
| 232.567 | 0.0000 | 0.0000 | 80.623 | 0.11568 | 0.00000 | 602892.1 | 495075.1 | 0.0 | S |
| 232.575 | 0.0000 | 0.0000 | 80.623 | 0.11567 | 0.00000 | 602892.1 | 495078.5 | 0.0 | S |
| 232.583 | 0.0000 | 0.0000 | 80.623 | 0.11567 | 0.00000 | 602892.1 | 495082.0 | 0.0 | S |
| 232.592 | 0.0000 | 0.0000 | 80.623 | 0.11566 | 0.00000 | 602892.1 | 495085.5 | 0.0 | S |
| 232.600 | 0.0000 | 0.0000 | 80.623 | 0.11566 | 0.00000 | 602892.1 | 495088.9 | 0.0 | S |
| 232.608 | 0.0000 | 0.0000 | 80.623 | 0.11566 | 0.00000 | 602892.1 | 495092.4 | 0.0 | S |
| 232.617 | 0.0000 | 0.0000 | 80.623 | 0.11565 | 0.00000 | 602892.1 | 495095.9 | 0.0 | S |
| 232.625 | 0.0000 | 0.0000 | 80.623 | 0.11565 | 0.00000 | 602892.1 | 495099.3 | 0.0 | S |
| 232.633 | 0.0000 | 0.0000 | 80.623 | 0.11564 | 0.00000 | 602892.1 | 495102.8 | 0.0 | S |
| 232.642 | 0.0000 | 0.0000 | 80.622 | 0.11564 | 0.00000 | 602892.1 | 495106.3 | 0.0 | S |
| 232.650 | 0.0000 | 0.0000 | 80.622 | 0.11563 | 0.00000 | 602892.1 | 495109.8 | 0.0 | S |
| 232.658 | 0.0000 | 0.0000 | 80.622 | 0.11563 | 0.00000 | 602892.1 | 495113.2 | 0.0 | S |
| 232.667 | 0.0000 | 0.0000 | 80.622 | 0.11562 | 0.00000 | 602892.1 | 495116.7 | 0.0 | S |
| 232.675 | 0.0000 | 0.0000 | 80.622 | 0.11562 | 0.00000 | 602892.1 | 495120.2 | 0.0 | S |
| 232.683 | 0.0000 | 0.0000 | 80.622 | 0.11561 | 0.00000 | 602892.1 | 495123.6 | 0.0 | S |
| 232.692 | 0.0000 | 0.0000 | 80.622 | 0.11561 | 0.00000 | 602892.1 | 495127.1 | 0.0 | S |
| 232.700 | 0.0000 | 0.0000 | 80.622 | 0.11560 | 0.00000 | 602892.1 | 495130.6 | 0.0 | S |
| 232.708 | 0.0000 | 0.0000 | 80.622 | 0.11560 | 0.00000 | 602892.1 | 495134.0 | 0.0 | S |
| 232.717 | 0.0000 | 0.0000 | 80.622 | 0.11559 | 0.00000 | 602892.1 | 495137.5 | 0.0 | S |
| 232.725 | 0.0000 | 0.0000 | 80.622 | 0.11559 | 0.00000 | 602892.1 | 495141.0 | 0.0 | S |
| 232.733 | 0.0000 | 0.0000 | 80.622 | 0.11559 | 0.00000 | 602892.1 | 495144.4 | 0.0 | S |
| 232.742 | 0.0000 | 0.0000 | 80.622 | 0.11558 | 0.00000 | 602892.1 | 495147.9 | 0.0 | S |
| 232.750 | 0.0000 | 0.0000 | 80.622 | 0.11558 | 0.00000 | 602892.1 | 495151.4 | 0.0 | S |
| 232.758 | 0.0000 | 0.0000 | 80.621 | 0.11557 | 0.00000 | 602892.1 | 495154.8 | 0.0 | S |
| 232.767 | 0.0000 | 0.0000 | 80.621 | 0.11557 | 0.00000 | 602892.1 | 495158.3 | 0.0 | S |
| 232.775 | 0.0000 | 0.0000 | 80.621 | 0.11556 | 0.00000 | 602892.1 | 495161.8 | 0.0 | S |
| 232.783 | 0.0000 | 0.0000 | 80.621 | 0.11556 | 0.00000 | 602892.1 | 495165.3 | 0.0 | S |
| 232.792 | 0.0000 | 0.0000 | 80.621 | 0.11555 | 0.00000 | 602892.1 | 495168.7 | 0.0 | S |
| 232.800 | 0.0000 | 0.0000 | 80.621 | 0.11555 | 0.00000 | 602892.1 | 495172.2 | 0.0 | S |
| 232.808 | 0.0000 | 0.0000 | 80.621 | 0.11554 | 0.00000 | 602892.1 | 495175.7 | 0.0 | S |
| 232.817 | 0.0000 | 0.0000 | 80.621 | 0.11554 | 0.00000 | 602892.1 | 495179.1 | 0.0 | S |
| 232.825 | 0.0000 | 0.0000 | 80.621 | 0.11553 | 0.00000 | 602892.1 | 495182.6 | 0.0 | S |
| 232.833 | 0.0000 | 0.0000 | 80.621 | 0.11553 | 0.00000 | 602892.1 | 495186.0 | 0.0 | S |
| 232.842 | 0.0000 | 0.0000 | 80.621 | 0.11552 | 0.00000 | 602892.1 | 495189.5 | 0.0 | S |
| 232.850 | 0.0000 | 0.0000 | 80.621 | 0.11552 | 0.00000 | 602892.1 | 495193.0 | 0.0 | S |
| 232.858 | 0.0000 | 0.0000 | 80.621 | 0.11552 | 0.00000 | 602892.1 | 495196.4 | 0.0 | S |
| 232.867 | 0.0000 | 0.0000 | 80.621 | 0.11551 | 0.00000 | 602892.1 | 495199.9 | 0.0 | S |
| 232.875 | 0.0000 | 0.0000 | 80.620 | 0.11551 | 0.00000 | 602892.1 | 495203.4 | 0.0 | S |
| 232.883 | 0.0000 | 0.0000 | 80.620 | 0.11550 | 0.00000 | 602892.1 | 495206.8 | 0.0 | S |
| 232.892 | 0.0000 | 0.0000 | 80.620 | 0.11550 | 0.00000 | 602892.1 | 495210.3 | 0.0 | S |
| 232.900 | 0.0000 | 0.0000 | 80.620 | 0.11549 | 0.00000 | 602892.1 | 495213.8 | 0.0 | S |
| 232.908 | 0.0000 | 0.0000 | 80.620 | 0.11549 | 0.00000 | 602892.1 | 495217.2 | 0.0 | S |
| 232.917 | 0.0000 | 0.0000 | 80.620 | 0.11548 | 0.00000 | 602892.1 | 495220.7 | 0.0 | S |
| 232.925 | 0.0000 | 0.0000 | 80.620 | 0.11548 | 0.00000 | 602892.1 | 495224.2 | 0.0 | S |
| 232.933 | 0.0000 | 0.0000 | 80.620 | 0.11547 | 0.00000 | 602892.1 | 495227.6 | 0.0 | S |
| 232.942 | 0.0000 | 0.0000 | 80.620 | 0.11547 | 0.00000 | 602892.1 | 495231.1 | 0.0 | S |
| 232.950 | 0.0000 | 0.0000 | 80.620 | 0.11546 | 0.00000 | 602892.1 | 495234.6 | 0.0 | S |
| 232.958 | 0.0000 | 0.0000 | 80.620 | 0.11546 | 0.00000 | 602892.1 | 495238.0 | 0.0 | S |
| 232.967 | 0.0000 | 0.0000 | 80.620 | 0.11546 | 0.00000 | 602892.1 | 495241.5 | 0.0 | S |
| 232.975 | 0.0000 | 0.0000 | 80.620 | 0.11545 | 0.00000 | 602892.1 | 495244.9 | 0.0 | S |
| 232.983 | 0.0000 | 0.0000 | 80.620 | 0.11545 | 0.00000 | 602892.1 | 495248.4 | 0.0 | S |
| 232.992 | 0.0000 | 0.0000 | 80.619 | 0.11544 | 0.00000 | 602892.1 | 495251.9 | 0.0 | S |
| 233.000 | 0.0000 | 0.0000 | 80.619 | 0.11544 | 0.00000 | 602892.1 | 495255.3 | 0.0 | S |
| 233.008 | 0.0000 | 0.0000 | 80.619 | 0.11543 | 0.00000 | 602892.1 | 495258.8 | 0.0 | S |
| 233.017 | 0.0000 | 0.0000 | 80.619 | 0.11543 | 0.00000 | 602892.1 | 495262.3 | 0.0 | S |
| 233.025 | 0.0000 | 0.0000 | 80.619 | 0.11542 | 0.00000 | 602892.1 | 495265.7 | 0.0 | S |
| 233.033 | 0.0000 | 0.0000 | 80.619 | 0.11542 | 0.00000 | 602882.1 | 495269.2 | 0.0 | S |
| 233.042 | 0.0000 | 0.0000 | 80.619 | 0.11541 | 0.00000 | 602892.1 | 495272.7 | 0.0 | S |
| 233.050 | 0.0000 | 0.0000 | 80.619 | 0.11541 | 0.00000 | 602892.1 | 495276.1 | 0.0 | S |
| 233.058 | 0.0000 | 0.0000 | 80.619 | 0.11540 | 0.00000 | 602892.1 | 495279.6 | 0.0 | S |
| 233.067 | 0.0000 | 0.0000 | 80.619 | 0.11540 | 0.00000 | 602892.1 | 495283.0 | 0.0 | S |
| 233.075 | 0.0000 | 0.0000 | 80.619 | 0.11539 | 0.00000 | 602892.1 | 495286.5 | 0.0 | S |
| 233.083 | 0.0000 | 0.0000 | 80.619 | 0.11539 | 0.00000 | 602892.1 | 495290.0 | 0.0 | S |
| 233.092 | 0.0000 | 0.0000 | 80.619 | 0.11539 | 0.00000 | 602892.1 | 495293.4 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (fi/day) | Stage Elevation (fl datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overfiow Discharge ( $\mathrm{HI}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume (ft ${ }^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 233.100 | 0.0000 | 0.0000 | 80.619 | 0.11538 | 0.00000 | 602892.1 | 495296.9 | 0.0 | S |
| 233.108 | 0.0000 | 0.0000 | 80.618 | 0.11538 | 0.00000 | 602892.1 | 495300.3 | 0.0 | S |
| 233.117 | 0.0000 | 0.0000 | 80.618 | 0.11537 | 0.00000 | 602892.1 | 495303.8 | 0.0 | S |
| 233.125 | 0.0000 | 0.0000 | 80.618 | 0.11537 | 0.00000 | 602892.1 | 495307.3 | 0.0 | S |
| 233.133 | 0.0000 | 0.0000 | 80.618 | 0.11536 | 0.00000 | 602892.1 | 495310.7 | 0.0 | S |
| 233.142 | 0.0000 | 0.0000 | 80.618 | 0.11536 | 0.00000 | 602892.1 | 495314.2 | 0.0 | S |
| 233.150 | 0.0000 | 0.0000 | 80.618 | 0.11535 | 0.00000 | 602892.1 | 495317.7 | 0.0 | S |
| 233.158 | 0.0000 | 0.0000 | 80.618 | 0.11535 | 0.00000 | 602892.1 | 495321.1 | 0.0 | S |
| 233.167 | 0.0000 | 0.0000 | 80.618 | 0.11534 | 0.00000 | 602892.1 | 495324.6 | 0.0 | S |
| 233.175 | 0.0000 | 0.0000 | 80.618 | 0.11534 | 0.00000 | 602892.1 | 495328.0 | 0.0 | S |
| 233.183 | 0.0000 | 0.0000 | 80.618 | 0.11533 | 0.00000 | 602892.1 | 495331.5 | 0.0 | S |
| 233.192 | 0.0000 | 0.0000 | 80.618 | 0.11533 | 0.00000 | 602892.1 | 495334.9 | 0.0 | S |
| 233.200 | 0.0000 | 0.0000 | 80.618 | 0.11532 | 0.00000 | 602892.1 | 495338.4 | 0.0 | S |
| 233.208 | 0.0000 | 0.0000 | 80.618 | 0.11532 | 0.00000 | 602892.1 | 495341.9 | 0.0 | S |
| 233.217 | 0.0000 | 0.0000 | 80.618 | 0.11532 | 0.00000 | 602892.1 | 495345.3 | 0.0 | S |
| 233.225 | 0.0000 | 0.0000 | 80.617 | 0.11531 | 0.00000 | 602892.1 | 495348.8 | 0.0 | S |
| 233.233 | 0.0000 | 0.0000 | 80.617 | 0.11531 | 0.00000 | 602892.1 | 495352.3 | 0.0 | S |
| 233.242 | 0.0000 | 0.0000 | 80.617 | 0.11530 | 0.00000 | 602892.1 | 495355.7 | 0.0 | S |
| 233.250 | 0.0000 | 0.0000 | 80.617 | 0.11530 | 0.00000 | 602892.1 | 495359.2 | 0.0 | S |
| 233.258 | 0.0000 | 0.0000 | 80.617 | 0.71529 | 0.00000 | 602892.1 | 495362.6 | 0.0 | S |
| 233.267 | 0.0000 | 0.0000 | 80.617 | 0.71529 | 0.00000 | 602892.1 | 495366.1 | 0.0 | S |
| 233.275 | 0.0000 | 0.0000 | 80.617 | 0.11528 | 0.00000 | 602892.1 | 495369.5 | 0.0 | S |
| 233.283 | 0.0000 | 0.0000 | 80.617 | 0.11528 | 0.00000 | 602892.1 | 495373.0 | 0.0 | S |
| 233.292 | 0.0000 | 0.0000 | 80.617 | 0.11527 | 0.00000 | 602892.1 | 495376.5 | 0.0 | S |
| 233.300 | 0.0000 | 0.0000 | 80.617 | 0.11527 | 0.00000 | 602892.1 | 495379.9 | 0.0 | S |
| 233.308 | 0.0000 | 0.0000 | 80.617 | 0.11526 | 0.00000 | 602892.1 | 495383.4 | 0.0 | S |
| 233.317 | 0.0000 | 0.0000 | 80.617 | 0.11526 | 0.00000 | 602892.1 | 495386.8 | 0.0 | S |
| 233.325 | 0.0000 | 0.0000 | 80.617 | 0.11526 | 0.00000 | 602892.1 | 495390.3 | 0.0 | S |
| 233.333 | 0.0000 | 0.0000 | 80.617 | 0.11525 | 0.00000 | 602892.1 | 495393.8 | 0.0 | S |
| 233.342 | 0.0000 | 0.0000 | 80.617 | 0.11525 | 0.00000 | 602892.1 | 495397.2 | 0.0 | S |
| 233.350 | 0.0000 | 0.0000 | 80.616 | 0.11524 | 0.00000 | 602892.1 | 495400.7 | 0.0 | S |
| 233.358 | 0.0000 | 0.0000 | 80.616 | 0.11524 | 0.00000 | 602892.1 | 495404.1 | 0.0 | S |
| 233.367 | 0.0000 | 0.0000 | 80.616 | 0.11523 | 0.00000 | 602892.1 | 495407.6 | 0.0 | S |
| 233.375 | 0.0000 | 0.0000 | 80.616 | 0.11523 | 0.00000 | 602892.1 | 495411.0 | 0.0 | S |
| 233.383 | 0.0000 | 0.0000 | 80.616 | 0.11522 | 0.00000 | 602892.1 | 495414.5 | 0.0 | S |
| 233.392 | 0.0000 | 0.0000 | 80.616 | 0.11522 | 0.00000 | 602892.1 | 495417.9 | 0.0 | S |
| 233.400 | 0.0000 | 0.0000 | 80.616 | 0.11521 | 0.00000 | 602892.1 | 495421.4 | 0.0 | S |
| 233.408 | 0.0000 | 0.0000 | 80.616 | 0.11521 | 0.00000 | 602892.1 | 495424.8 | 0.0 | S |
| 233.417 | 0.0000 | 0.0000 | 80.616 | 0.11520 | 0.00000 | 602892.1 | 495428.3 | 0.0 | S |
| 233.425 | 0.0000 | 0.0000 | 80.616 | 0.11520 | 0.00000 | 602892.1 | 495431.8 | 0.0 | S |
| 233.433 | 0.0000 | 0.0000 | 80.616 | 0.11520 | 0.00000 | 602892.1 | 495435.2 | 0.0 | S |
| 233.442 | 0.0000 | 0.0000 | 80.616 | 0.11519 | 0.00000 | 602892.1 | 495438.7 | 0.0 | S |
| 233.450 | 0.0000 | 0.0000 | 80.616 | 0.11519 | 0.00000 | 602892.1 | 495442.1 | 0.0 | S |
| 233.458 | 0.0000 | 0.0000 | 80.616 | 0.11518 | 0.00000 | 602892.1 | 495445.6 | 0.0 | S |
| 233.467 | 0.0000 | 0.0000 | 80.615 | 0.11518 | 0.00000 | 602892.1 | 495449.0 | 0.0 | S |
| 233.475 | 0.0000 | 0.0000 | 80.615 | 0.11517 | 0.00000 | 602892.1 | 495452.5 | 0.0 | S |
| 233.483 | 0.0000 | 0.0000 | 80.615 | 0.11517 | 0.00000 | 602892.1 | 495456.0 | 0.0 | S |
| 233.492 | 0.0000 | 0.0000 | 80.615 | 0.11516 | 0.00000 | 602892.1 | 495459.4 | 0.0 | S |
| 233.500 | 0.0000 | 0.0000 | 80.615 | 0.11516 | 0.00000 | 602892.1 | 495462.9 | 0.0 | S |
| 233.508 | 0.0000 | 0.0000 | 80.615 | 0.11515 | 0.00000 | 602892.1 | 495466.3 | 0.0 | S |
| 233.517 | 0.0000 | 0.0000 | 80.615 | 0.11515 | 0.00000 | 602892.1 | 495469.8 | 0.0 | S |
| 233.525 | 0.0000 | 0.0000 | 80.615 | 0.11514 | 0.00000 | 602892.1 | 495473.2 | 0.0 | S |
| 233.533 | 0.0000 | 0.0000 | 80.615 | 0.11514 | 0.00000 | 602892.1 | 495476.7 | 0.0 | S |
| 233.542 | 0.0000 | 0.0000 | 80.615 | 0.11513 | 0.00000 | 602892.1 | 495480.1 | 0.0 | S |
| 233.550 | 0.0000 | 0.0000 | 80.615 | 0.11513 | 0.00000 | 602892.1 | 495483.6 | 0.0 | S |
| 233.558 | 0.0000 | 0.0000 | 80.615 | 0.11513 | 0.00000 | 602892.1 | 495487.0 | 0.0 | S |
| 233.567 | 0.0000 | 0.0000 | 80.615 | 0.11512 | 0.00000 | 602892.1 | 495490.5 | 0.0 | S |
| 233.575 | 0.0000 | 0.0000 | 80.615 | 0.11512 | 0.00000 | 602892.1 | 495493.9 | 0.0 | S |
| 233.583 | 0.0000 | 0.0000 | 80.614 | 0.11511 | 0.00000 | 602892.1 | 495497.4 | 0.0 | S |
| 233.592 | 0.0000 | 0.0000 | 80.614 | 0.11511 | 0.00000 | 602892.1 | 495500.9 | 0.0 | S |
| 233.600 | 0.0000 | 0.0000 | 80.614 | 0.11510 | 0.00000 | 602892.1 | 495504.3 | 0.0 | S |
| 233.608 | 0.0000 | 0.0000 | 80.614 | 0.11510 | 0.00000 | 602892.1 | 495507.8 | 0.0 | S |
| 233.617 | 0.0000 | 0.0000 | 80.614 | 0.11509 | 0.00000 | 602892.1 | 495511.2 | 0.0 | S |
| 233.625 | 0.0000 | 0.0000 | 80.614 | 0.11509 | 0.00000 | 602892.1 | 495514.7 | 0.0 | S |
| 233.633 | 0.0000 | 0.0000 | 80.614 | 0.11508 | 0.00000 | 602892.1 | 495518.1 | 0.0 | S |
| 233.642 | 0.0000 | 0.0000 | 80.614 | 0.11508 | 0.00000 | 602892.1 | 495521.6 | 0.0 | S |
| 233.650 | 0.0000 | 0.0000 | 80.614 | 0.11507 | 0.00000 | 602892.1 | 495525.0 | 0.0 | S |
| 233.658 | 0.0000 | 0.0000 | 80.614 | 0.11507 | 0.00000 | 602892.1 | 495528.5 | 0.0 | S |
| 233.667 | 0.0000 | 0.0000 | 80.614 | 0.11507 | 0.00000 | 602892.1 | 495531.9 | 0.0 | S |
| 233.675 | 0.0000 | 0.0000 | 80.614 | 0.11506 | 0.00000 | 602892.1 | 495535.4 | 0.0 | S |
| 233.683 | 0.0000 | 0.0000 | 80.614 | 0.11506 | 0.00000 | 602892.1 | 495538.8 | 0.0 | S |
| 233.692 | 0.0000 | 0.0000 | 80.614 | 0.11505 | 0.00000 | 602892.1 | 495542.3 | 0.0 | S |
| 233.700 | 0.0000 | 0.0000 | 80.613 | 0.11505 | 0.00000 | 602892.1 | 495545.8 | 0.0 | S |
| 233.708 | 0.0000 | 0.0000 | 80.613 | 0.11504 | 0.00000 | 602892.1 | 495549.2 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{t} / \mathrm{s} / \mathrm{s}$ ) | Overtlow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | $\begin{aligned} & \text { Cumulative } \\ & \text { Inflow } \\ & \text { Volume }\left(\mathrm{fi}^{3}\right) \end{aligned}$ | Cumulative Infittration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f1}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 233.717 | 0.0000 | 0.0000 | 80.613 | 0.11504 | 0.00000 | 602892.1 | 495552.7 | 0.0 | S |
| 233.725 | 0.0000 | 0.0000 | 80.613 | 0.11503 | 0.00000 | 602892.1 | 495556.1 | 0.0 | S |
| 233.733 | 0.0000 | 0.0000 | 80.613 | 0.11503 | 0.00000 | 602892.1 | 495559.5 | 0.0 | S |
| 233.742 | 0.0000 | 0.0000 | 80.613 | 0.11502 | 0.00000 | 602892.1 | 495563.0 | 0.0 | S |
| 233.750 | 0.0000 | 0.0000 | 80.613 | 0.11502 | 0.00000 | 602892.1 | 495566.4 | 0.0 | S |
| 233.758 | 0.0000 | 0.0000 | 80.613 | 0.11501 | 0.00000 | 602892.1 | 495569.9 | 0.0 | S |
| 233.767 | 0.0000 | 0.0000 | 80.613 | 0.11501 | 0.00000 | 602892.1 | 495573.3 | 0.0 | S |
| 233.775 | 0.0000 | 0.0000 | 80.613 | 0.11501 | 0.00000 | 602892.1 | 495576.8 | 0.0 | S |
| 233.783 | 0.0000 | 0.0000 | 80.613 | 0.11500 | 0.00000 | 602892.1 | 495580.3 | 0.0 | S |
| 233.792 | 0.0000 | 0.0000 | 80.613 | 0.11500 | 0.00000 | 602892.1 | 495583.7 | 0.0 | S |
| 233.800 | 0.0000 | 0.0000 | 80.613 | 0.11499 | 0.00000 | 602892.1 | 495587.2 | 0.0 | S |
| 233.808 | 0.0000 | 0.0000 | 80.613 | 0.11499 | 0.00000 | 602892.1 | 495590.6 | 0.0 | S |
| 233.817 | 0.0000 | 0.0000 | 80.612 | 0.11498 | 0.00000 | 602892.1 | 495594.0 | 0.0 | S |
| 233.825 | 0.0000 | 0.0000 | 80.612 | 0.11498 | 0.00000 | 602892.1 | 495597.5 | 0.0 | S |
| 233.833 | 0.0000 | 0.0000 | 80.612 | 0.11497 | 0.00000 | 602892.1 | 495600.9 | 0.0 | S |
| 233.842 | 0.0000 | 0.0000 | 80.612 | 0.11497 | 0.00000 | 602892.1 | 495604.4 | 0.0 | S |
| 233.850 | 0.0000 | 0.0000 | 80.612 | 0.11496 | 0.00000 | 602892.1 | 495607.8 | 0.0 | S |
| 233.858 | 0.0000 | 0.0000 | 80.612 | 0.11496 | 0.00000 | 602892.1 | 495611.3 | 0.0 | S |
| 233.867 | 0.0000 | 0.0000 | 80.612 | 0.11495 | 0.00000 | 602892.1 | 495614.8 | 0.0 | S |
| 233.875 | 0.0000 | 0.0000 | 80.612 | 0.11495 | 0.00000 | 602892.1 | 495618.2 | 0.0 | S |
| 233.883 | 0.0000 | 0.0000 | 80.612 | 0.11495 | 0.00000 | 602892.1 | 495621.6 | 0.0 | S |
| 233.892 | 0.0000 | 0.0000 | 80.612 | 0.11494 | 0.00000 | 602892.1 | 495625.1 | 0.0 | S |
| 233.900 | 0.0000 | 0.0000 | 80.612 | 0.11494 | 0.00000 | 602892.1 | 495628.5 | 0.0 | S |
| 233.908 | 0.0000 | 0.0000 | 80.612 | 0.11493 | 0.00000 | 602892.1 | 495632.0 | 0.0 | S |
| 233.917 | 0.0000 | 0.0000 | 80.612 | 0.11493 | 0.00000 | 602892.1 | 495635.4 | 0.0 | S |
| 233.925 | 0.0000 | 0.0000 | 80.612 | 0.11492 | 0.00000 | 602892.1 | 495638.9 | 0.0 | S |
| 233.933 | 0.0000 | 0.0000 | 80.612 | 0.11492 | 0.00000 | 602892.1 | 495642.3 | 0.0 | S |
| 233.942 | 0.0000 | 0.0000 | 80.611 | 0.11491 | 0.00000 | 602892.1 | 495645.8 | 0.0 | S |
| 233.950 | 0.0000 | 0.0000 | 80.611 | 0.11491 | 0.00000 | 602892.1 | 495649.2 | 0.0 | S |
| 233.958 | 0.0000 | 0.0000 | 80.611 | 0.11490 | 0.00000 | 602892.1 | 495652.7 | 0.0 | S |
| 233.967 | 0.0000 | 0.0000 | 80.611 | 0.11490 | 0.00000 | 602892.1 | 495656.1 | 0.0 | S |
| 233.975 | 0.0000 | 0.0000 | 80.611 | 0.11489 | 0.00000 | 602892.1 | 495659.6 | 0.0 | S |
| 233.983 | 0.0000 | 0.0000 | 80.611 | 0.11489 | 0.00000 | 602892.1 | 495663.0 | 0.0 | S |
| 233.992 | 0.0000 | 0.0000 | 80.611 | 0.11489 | 0.00000 | 602892.1 | 495666.5 | 0.0 | S |
| 234.000 | 0.0000 | 0.0000 | 80.611 | 0.11488 | 0.00000 | 602892.1 | 495669.9 | 0.0 | S |
| 234.008 | 0.0000 | 0.0000 | 80.611 | 0.11488 | 0.00000 | 602892.1 | 495673.3 | 0.0 | S |
| 234.017 | 0.0000 | 0.0000 | 80.611 | 0.11487 | 0.00000 | 602892.1 | 495676.8 | 0.0 | S |
| 234.025 | 0.0000 | 0.0000 | 80.611 | 0.11487 | 0.00000 | 602892.1 | 495680.3 | 0.0 | S |
| 234.033 | 0.0000 | 0.0000 | 80.611 | 0.11486 | 0.00000 | 602892.1 | 495683.7 | 0.0 | S |
| 234.042 | 0.0000 | 0.0000 | 80.611 | 0.11486 | 0.00000 | 602892.1 | 495687.1 | 0.0 | S |
| 234.050 | 0.0000 | 0.0000 | 80.611 | 0.11485 | 0.00000 | 602892.1 | 495690.6 | 0.0 | S |
| 234.058 | 0.0000 | 0.0000 | 80.610 | 0.11485 | 0.00000 | 602892.1 | 495694.0 | 0.0 | S |
| 234.067 | 0.0000 | 0.0000 | 80.610 | 0.11484 | 0.00000 | 602892.1 | 495697.5 | 0.0 | S |
| 234.075 | 0.0000 | 0.0000 | 80.610 | 0.11484 | 0.00000 | 602892.1 | 495700.9 | 0.0 | S |
| 234.083 | 0.0000 | 0.0000 | 80.610 | 0.11483 | 0.00000 | 602892.1 | 495704.3 | 0.0 | S |
| 234.092 | 0.0000 | 0.0000 | 80.610 | 0.11483 | 0.00000 | 602892.1 | 495707.8 | 0.0 | S |
| 234.100 | 0.0000 | 0.0000 | 80.610 | 0.11483 | 0.00000 | 602892.1 | 495711.3 | 0.0 | S |
| 234.108 | 0.0000 | 0.0000 | 80.610 | 0.11482 | 0.00000 | 602892.1 | 495714.7 | 0.0 | S |
| 234.117 | 0.0000 | 0.0000 | 80.610 | 0.11482 | 0.00000 | 602892.1 | 495718.1 | 0.0 | S |
| 234.125 | 0.0000 | 0.0000 | 80.610 | 0.11481 | 0.00000 | 602892.1 | 495721.6 | 0.0 | S |
| 234.133 | 0.0000 | 0.0000 | 80.610 | 0.11481 | 0.00000 | 602892.1 | 495725.0 | 0.0 | S |
| 234.142 | 0.0000 | 0.0000 | 80.610 | 0.11480 | 0.00000 | 602892.1 | 495728.5 | 0.0 | S |
| 234.150 | 0.0000 | 0.0000 | 80.610 | 0.11480 | 0.00000 | 602892.1 | 495731.9 | 0.0 | S |
| 234.158 | 0.0000 | 0.0000 | 80.610 | 0.11479 | 0.00000 | 602892.1 | 495735.3 | 0.0 | S |
| 234.167 | 0.0000 | 0.0000 | 80.610 | 0.11479 | 0.00000 | 602892.1 | 495738.8 | 0.0 | S |
| 234.175 | 0.0000 | 0.0000 | 80.609 | 0.11478 | 0.00000 | 602892.1 | 495742.3 | 0.0 | S |
| 234.183 | 0.0000 | 0.0000 | 80.609 | 0.11478 | 0.00000 | 602892.1 | 495745.7 | 0.0 | S |
| 234.192 | 0.0000 | 0.0000 | 80.609 | 0.11477 | 0.00000 | 602892.1 | 495749.1 | 0.0 | S |
| 234.200 | 0.0000 | 0.0000 | 80.609 | 0.11477 | 0.00000 | 602892.1 | 495752.6 | 0.0 | S |
| 234.208 | 0.0000 | 0.0000 | 80.609 | 0.11477 | 0.00000 | 602892.1 | 495756.0 | 0.0 | S |
| 234.217 | 0.0000 | 0.0000 | 80.609 | 0.11476 | 0.00000 | 602892.1 | 495759.5 | 0.0 | S |
| 234.225 | 0.0000 | 0.0000 | 80.609 | 0.11476 | 0.00000 | 602892.1 | 495762.9 | 0.0 | S |
| 234.233 | 0.0000 | 0.0000 | 80.609 | 0.11475 | 0.00000 | 602892.1 | 495766.3 | 0.0 | S |
| 234.242 | 0.0000 | 0.0000 | 80.609 | 0.11475 | 0.00000 | 602892.1 | 495769.8 | 0.0 | S |
| 234.250 | 0.0000 | 0.0000 | 80.609 | 0.11474 | 0.00000 | 602892.1 | 495773.2 | 0.0 | S |
| 234.258 | 0.0000 | 0.0000 | 80.609 | 0.11474 | 0.00000 | 602892.1 | 495776.7 | 0.0 | S |
| 234.267 | 0.0000 | 0.0000 | 80.609 | 0.11473 | 0.00000 | 602892.1 | 495780.1 | 0.0 | S |
| 234.275 | 0.0000 | 0.0000 | 80.609 | 0.11473 | 0.00000 | 602892.1 | 495783.6 | 0.0 | S |
| 234.283 | 0.0000 | 0.0000 | 80.609 | 0.11472 | 0.00000 | 602892.1 | 495787.0 | 0.0 | S |
| 234.292 | 0.0000 | 0.0000 | 80.608 | 0.11472 | 0.00000 | 602892.1 | 495790.4 | 0.0 | S |
| 234.300 | 0.0000 | 0.0000 | 80.608 | 0.11472 | 0.00000 | 602892.1 | 495793.9 | 0.0 | S |
| 234.308 | 0.0000 | 0.0000 | 80.608 | 0.11471 | 0.00000 | 602892.1 | 495797.3 | 0.0 | S |
| 234.317 | 0.0000 | 0.0000 | 80.608 | 0.11471 | 0.00000 | 602892.1 | 495800.8 | 0.0 | S |
| 234.325 | 0.0000 | 0.0000 | 80.608 | 0.11470 | 0.00000 | 602892.1 | 495804.2 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate (ft ${ }^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative <br> Discharge <br> Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 234.333 | 0.0000 | 0.0000 | 80.608 | 0.11470 | 0.00000 | 602892.1 | 495807.7 | 0.0 | S |
| 234.342 | 0.0000 | 0.0000 | 80.608 | 0.11469 | 0.00000 | 602892.1 | 495811.1 | 0.0 | S |
| 234.350 | 0.0000 | 0.0000 | 80.608 | 0.11469 | 0.00000 | 602892.1 | 495814.5 | 0.0 | S |
| 234.358 | 0.0000 | 0.0000 | 80.608 | 0.11468 | 0.00000 | 602892.1 | 495818.0 | 0.0 | S |
| 234.367 | 0.0000 | 0.0000 | 80.608 | 0.11468 | 0.00000 | 602892.1 | 495821.4 | 0.0 | S |
| 234.375 | 0.0000 | 0.0000 | 80.608 | 0.11467 | 0.00000 | 602892.1 | 495824.8 | 0.0 | S |
| 234.383 | 0.0000 | 0.0000 | 80.608 | 0.11467 | 0.00000 | 602892.1 | 495828.3 | 0.0 | S |
| 234.392 | 0.0000 | 0.0000 | 80.608 | 0.11466 | 0.00000 | 602892.1 | 495831.7 | 0.0 | S |
| 234.400 | 0.0000 | 0.0000 | 80.608 | 0.11466 | 0.00000 | 602892.1 | 495835.2 | 0.0 | S |
| 234.408 | 0.0000 | 0.0000 | 80.607 | 0.11466 | 0.00000 | 602892.1 | 495838.6 | 0.0 | S |
| 234.417 | 0.0000 | 0.0000 | 80.607 | 0.11465 | 0.00000 | 602892.1 | 495842.1 | 0.0 | S |
| 234.425 | 0.0000 | 0.0000 | 80.607 | 0.11465 | 0.00000 | 602892.1 | 495845.5 | 0.0 | S |
| 234.433 | 0.0000 | 0.0000 | 80.607 | 0.11464 | 0.00000 | 602892.1 | 495848.9 | 0.0 | S |
| 234.442 | 0.0000 | 0.0000 | 80.607 | 0.11464 | 0.00000 | 602892.1 | 495852.4 | 0.0 | S |
| 234.450 | 0.0000 | 0.0000 | 80.607 | 0.11463 | 0.00000 | 602892.1 | 495855.8 | 0.0 | S |
| 234.458 | 0.0000 | 0.0000 | 80.607 | 0.11463 | 0.00000 | 602892.1 | 495859.3 | 0.0 | S |
| 234.467 | 0.0000 | 0.0000 | 80.607 | 0.11462 | 0.00000 | 602892.1 | 495862.7 | 0.0 | S |
| 234.475 | 0.0000 | 0.0000 | 80.607 | 0.11462 | 0.00000 | 602892.1 | 495866.1 | 0.0 | S |
| 234,483 | 0.0000 | 0.0000 | 80.607 | 0.11461 | 0.00000 | 602892.1 | 495869.6 | 0.0 | S |
| 234.492 | 0.0000 | 0.0000 | 80.607 | 0.11461 | 0.00000 | 602892.1 | 495873.0 | 0.0 | S |
| 234.500 | 0.0000 | 0.0000 | 80.607 | 0.11460 | 0.00000 | 602892.1 | 495876.4 | 0.0 | S |
| 234.508 | 0.0000 | 0.0000 | 80.607 | 0.11460 | 0.00000 | 602892.1 | 495879.9 | 0.0 | S |
| 234.517 | 0.0000 | 0.0000 | 80.607 | 0.11460 | 0.00000 | 602892.1 | 495883.3 | 0.0 | S |
| 234.525 | 0.0000 | 0.0000 | 80.607 | 0.11459 | 0.00000 | 602892.1 | 495886.8 | 0.0 | S |
| 234.533 | 0.0000 | 0.0000 | 80.606 | 0.11459 | 0.00000 | 602892.1 | 495890.2 | 0.0 | S |
| 234.542 | 0.0000 | 0.0000 | 80.606 | 0.11458 | 0.00000 | 602892.1 | 495893.6 | 0.0 | S |
| 234.550 | 0.0000 | 0.0000 | 80.606 | 0.11458 | 0.00000 | 602892.1 | 495897.1 | 0.0 | S |
| 234.558 | 0.0000 | 0.0000 | 80.606 | 0.11457 | 0.00000 | 602892.1 | 495900.5 | 0.0 | S |
| 234.567 | 0.0000 | 0.0000 | 80.606 | 0.11457 | 0.00000 | 602892.1 | 495903.9 | 0.0 | S |
| 234.575 | 0.0000 | 0.0000 | 80.606 | 0.11456 | 0.00000 | 602892.1 | 495907.4 | 0.0 | S |
| 234.583 | 0.0000 | 0.0000 | 80.606 | 0.11456 | 0.00000 | 602892.1 | 495910.8 | 0.0 | S |
| 234.592 | 0.0000 | 0.0000 | 80.606 | 0.11455 | 0.00000 | 602892.1 | 495914.3 | 0.0 | S |
| 234.600 | 0.0000 | 0.0000 | 80.606 | 0.11455 | 0.00000 | 602892.1 | 495917.7 | 0.0 | S |
| 234.608 | 0.0000 | 0.0000 | 80.606 | 0.11455 | 0.00000 | 602892.1 | 495921.1 | 0.0 | S |
| 234.617 | 0.0000 | 0.0000 | 80.606 | 0.11454 | 0.00000 | 602892.1 | 495924.6 | 0.0 | S |
| 234.625 | 0.0000 | 0.0000 | 80.606 | 0.11454 | 0.00000 | 602892.1 | 495928.0 | 0.0 | S |
| 234.633 | 0.0000 | 0.0000 | 80.606 | 0.11453 | 0.00000 | 602892.1 | 495931.4 | 0.0 | S |
| 234.642 | 0.0000 | 0.0000 | 80.606 | 0.11453 | 0.00000 | 602892.1 | 495934.9 | 0.0 | S |
| 234.650 | 0.0000 | 0.0000 | 80.605 | 0.11452 | 0.00000 | 602892.1 | 495938.3 | 0.0 | S |
| 234.658 | 0.0000 | 0.0000 | 80.605 | 0.11452 | 0.00000 | 602892.1 | 495941.8 | 0.0 | S |
| 234.667 | 0.0000 | 0.0000 | 80.605 | 0.11451 | 0.00000 | 602892.1 | 495945.2 | 0.0 | S |
| 234.675 | 0.0000 | 0.0000 | 80.605 | 0.11451 | 0.00000 | 602892.1 | 495948.6 | 0.0 | S |
| 234.683 | 0.0000 | 0.0000 | 80.605 | 0.11450 | 0.00000 | 602892.1 | 495952.0 | 0.0 | S |
| 234.692 | 0.0000 | 0.0000 | 80.605 | 0.11450 | 0.00000 | 602892.1 | 495955.5 | 0.0 | S |
| 234.700 | 0.0000 | 0.0000 | 80.605 | 0.11449 | 0.00000 | 602892.1 | 495958.9 | 0.0 | S |
| 234.708 | 0.0000 | 0.0000 | 80.605 | 0.11449 | 0.00000 | 602892.1 | 495962.3 | 0.0 | S |
| 234.717 | 0.0000 | 0.0000 | 80.605 | 0.11449 | 0.00000 | 602892.1 | 495965.8 | 0.0 | S |
| 234.725 | 0.0000 | 0.0000 | 80.605 | 0.11448 | 0.00000 | 602892.1 | 495969.2 | 0.0 | S |
| 234.733 | 0.0000 | 0.0000 | 80.605 | 0.11448 | 0.00000 | 602892.1 | 495972.7 | 0.0 | S |
| 234.742 | 0.0000 | 0.0000 | 80.605 | 0.11447 | 0.00000 | 602892.1 | 495976.1 | 0.0 | S |
| 234.750 | 0.0000 | 0.0000 | 80.605 | 0.11447 | 0.00000 | 602892.1 | 495979.5 | 0.0 | S |
| 234.758 | 0.0000 | 0.0000 | 80.605 | 0.11446 | 0.00000 | 602892.1 | 495983.0 | 0.0 | S |
| 234.767 | 0.0000 | 0.0000 | 80.604 | 0.11446 | 0.00000 | 602892.1 | 495986.4 | 0.0 | S |
| 234.775 | 0.0000 | 0.0000 | 80.604 | 0.11445 | 0.00000 | 602892.1 | 495989.8 | 0.0 | S |
| 234.783 | 0.0000 | 0.0000 | 80.604 | 0.11445 | 0.00000 | 602892.1 | 495993.3 | 0.0 | S |
| 234.792 | 0.0000 | 0.0000 | 80.604 | 0.11444 | 0.00000 | 602892.1 | 495996.7 | 0.0 | S |
| 234.800 | 0.0000 | 0.0000 | 80.604 | 0.11444 | 0.00000 | 602892.1 | 496000.1 | 0.0 | S |
| 234.808 | 0.0000 | 0.0000 | 80.604 | 0.11444 | 0.00000 | 602892.1 | 496003.6 | 0.0 | S |
| 234.817 | 0.0000 | 0.0000 | 80.604 | 0.11443 | 0.00000 | 602892.1 | 496007.0 | 0.0 | S |
| 234.825 | 0.0000 | 0.0000 | 80.604 | 0.11443 | 0.00000 | 602892.1 | 496010.4 | 0.0 | S |
| 234.833 | 0.0000 | 0.0000 | 80.604 | 0.11442 | 0.00000 | 602892.1 | 496013.8 | 0.0 | S |
| 234.842 | 0.0000 | 0.0000 | 80.604 | 0.11442 | 0.00000 | 602892.1 | 496017.3 | 0.0 | S |
| 234.850 | 0.0000 | 0.0000 | 80.604 | 0.11441 | 0.00000 | 602892.1 | 496020.7 | 0.0 | S |
| 234.858 | 0.0000 | 0.0000 | 80.604 | 0.11441 | 0.00000 | 602892.1 | 496024.2 | 0.0 | S |
| 234.867 | 0.0000 | 0.0000 | 80.604 | 0.11440 | 0.00000 | 602892.1 | 496027.6 | 0.0 | S |
| 234.875 | 0.0000 | 0.0000 | 80.604 | 0.11440 | 0.00000 | 602892.1 | 496031.0 | 0.0 | S |
| 234.883 | 0.0000 | 0.0000 | 80.603 | 0.11439 | 0.00000 | 602892.1 | 496034.4 | 0.0 | S |
| 234.892 | 0.0000 | 0.0000 | 80.603 | 0.11439 | 0.00000 | 602892.1 | 496037.9 | 0.0 | S |
| 234.900 | 0.0000 | 0.0000 | 80.603 | 0.11438 | 0.00000 | 602892.1 | 496041.3 | 0.0 | S |
| 234.908 | 0.0000 | 0.0000 | 80.603 | 0.11438 | 0.00000 | 602892.1 | 496044.8 | 0.0 | S |
| 234.917 | 0.0000 | 0.0000 | 80.603 | 0.11438 | 0.00000 | 602892.1 | 496048.2 | 0.0 | S |
| 234.925 | 0.0000 | 0.0000 | 80.603 | 0.11437 | 0.00000 | 602892.1 | 496051.6 | 0.0 | S |
| 234.933 | 0.0000 | 0.0000 | 80.603 | 0.11437 | 0.00000 | 602892.1 | 496055.0 | 0.0 | S |
| 234.942 | 0.0000 | 0.0000 | 80.603 | 0.11436 | 0.00000 | 602892.1 | 496058.5 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (fVday) | Stage Elevation (ft datum) | infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overtlow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{t}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 234.950 | 0.0000 | 0.0000 | 80.603 | 0.11436 | 0.00000 | 602892.1 | 496061.9 | 0.0 | S |
| 234.958 | 0.0000 | 0.0000 | 80.603 | 0.11435 | 0.00000 | 602892.1 | 496065.3 | 0.0 | S |
| 234.967 | 0.0000 | 0.0000 | 80.603 | 0.11435 | 0.00000 | 602892.1 | 496068.8 | 0.0 | S |
| 234.975 | 0.0000 | 0.0000 | 80.603 | 0.11434 | 0.00000 | 602892.1 | 496072.2 | 0.0 | S |
| 234.983 | 0.0000 | 0.0000 | 80.603 | 0.11434 | 0.00000 | 602892.4 | 496075.6 | 0.0 | S |
| 234.992 | 0.0000 | 0.0000 | 80.603 | 0.11433 | 0.00000 | 602892.1 | 496079.1 | 0.0 | S |
| 235.000 | 0.0000 | 0.0000 | 80.602 | 0.11433 | 0.00000 | 602892.1 | 496082.5 | 0.0 | S |
| 235.008 | 0.0000 | 0.0000 | 80.602 | 0.11433 | 0.00000 | 602892.1 | 496085.9 | 0.0 | S |
| 235.017 | 0.0000 | 0.0000 | 80.602 | 0.11432 | 0.00000 | 602892.1 | 496089.3 | 0.0 | S |
| 235.025 | 0.0000 | 0.0000 | 80.602 | 0.11432 | 0.00000 | 602892.1 | 496092.8 | 0.0 | S |
| 235.033 | 0.0000 | 0.0000 | 80.602 | 0.11431 | 0.00000 | 602892.1 | 496096.2 | 0.0 | S |
| 235.042 | 0.0000 | 0.0000 | 80.602 | 0.11431 | 0.00000 | 602892.1 | 496099.6 | 0.0 | S |
| 235.050 | 0.0000 | 0.0000 | 80.602 | 0.11430 | 0.00000 | 602892.1 | 496103.1 | 0.0 | S |
| 235.058 | 0.0000 | 0.0000 | 80.602 | 0.11430 | 0.00000 | 602892.1 | 496106.5 | 0.0 | S |
| 235.067 | 0.0000 | 0.0000 | 80.602 | 0.11429 | 0.00000 | 602892.1 | 496109.9 | 0.0 | S |
| 235.075 | 0.0000 | 0.0000 | 80.602 | 0.11429 | 0.00000 | 602892.1 | 496113.3 | 0.0 | S |
| 235.083 | 0.0000 | 0.0000 | 80.602 | 0.11428 | 0.00000 | 602892.1 | 496116.8 | 0.0 | S |
| 235.092 | 0.0000 | 0.0000 | 80.602 | 0.11428 | 0.00000 | 602892.1 | 496120.2 | 0.0 | S |
| 235.100 | 0.0000 | 0.0000 | 80.602 | 0.11427 | 0.00000 | 602892.1 | 496123.6 | 0.0 | S |
| 235.108 | 0.0000 | 0.0000 | 80.602 | 0.11427 | 0.00000 | 602892.1 | 496127.1 | 0.0 | S |
| 235.117 | 0.0000 | 0.0000 | 80.602 | 0.11427 | 0.00000 | 602892.1 | 496130.5 | 0.0 | S |
| 235.125 | 0.0000 | 0.0000 | 80.601 | 0.11426 | 0.00000 | 602892.1 | 496133.9 | 0.0 | S |
| 235.133 | 0.0000 | 0.0000 | 80.601 | 0.11426 | 0.00000 | 602892.1 | 496137.3 | 0.0 | S |
| 235.142 | 0.0000 | 0.0000 | 80.601 | 0.11425 | 0.00000 | 602892.1 | 496140.8 | 0.0 | S |
| 235.150 | 0.0000 | 0.0000 | 80.601 | 0.11425 | 0.00000 | 602892.1 | 496144.2 | 0.0 | S |
| 235.158 | 0.0000 | 0.0000 | 80.601 | 0.11424 | 0.00000 | 602892.1 | 496147.6 | 0.0 | S |
| 235.167 | 0.0000 | 0.0000 | 80.601 | 0.11424 | 0.00000 | 602892.1 | 496151.1 | 0.0 | S |
| 235.175 | 0.0000 | 0.0000 | 80.601 | 0.11423 | 0.00000 | 602892.1 | 496154.5 | 0.0 | S |
| 235.183 | 0.0000 | 0.0000 | 80.601 | 0.11423 | 0.00000 | 602892.1 | 496157.9 | 0.0 | S |
| 235.192 | 0.0000 | 0.0000 | 80.601 | 0.11422 | 0.00000 | 602892.1 | 496161.3 | 0.0 | S |
| 235.200 | 0.0000 | 0.0000 | 80.601 | 0.11422 | 0.00000 | 602892.1 | 496164.8 | 0.0 | S |
| 235.208 | 0.0000 | 0.0000 | 80.601 | 0.11422 | 0.00000 | 602892.1 | 496168.2 | 0.0 | S |
| 235.217 | 0.0000 | 0.0000 | 80.601 | 0.11421 | 0.00000 | 602892.1 | 496171.6 | 0.0 | S |
| 235.225 | 0.0000 | 0.0000 | 80.601 | 0.11421 | 0.00000 | 602892.1 | 496175.0 | 0.0 | S |
| 235.233 | 0.0000 | 0.0000 | 80.601 | 0.11420 | 0.00000 | 602892.1 | 496178.5 | 0.0 | S |
| 235.242 | 0.0000 | 0.0000 | 80.600 | 0.11420 | 0.00000 | 602892.1 | 496181.9 | 0.0 | S |
| 235.250 | 0.0000 | 0.0000 | 80.600 | 0.11419 | 0.00000 | 602892.1 | 496185.3 | 0.0 | S |
| 235.258 | 0.0000 | 0.0000 | 80.600 | 0.11419 | 0.00000 | 602892.1 | 496188.8 | 0.0 | S |
| 235.267 | 0.0000 | 0.0000 | 80.600 | 0.11418 | 0.00000 | 602892.1 | 496192.2 | 0.0 | S |
| 235.275 | 0.0000 | 0.0000 | 80.600 | 0.11418 | 0.00000 | 602892.1 | 496195.6 | 0.0 | S |
| 235.283 | 0.0000 | 0.0000 | 80.600 | 0.11417 | 0.00000 | 602892.1 | 496199.0 | 0.0 | S |
| 235.292 | 0.0000 | 0.0000 | 80.600 | 0.11417 | 0.00000 | 602892.1 | 496202.4 | 0.0 | S |
| 235.300 | 0.0000 | 0.0000 | 80.600 | 0.11417 | 0.00000 | 602892.1 | 496205.9 | 0.0 | S |
| 235.308 | 0.0000 | 0.0000 | 80.600 | 0.11416 | 0.00000 | 602892.1 | 496209.3 | 0.0 | S |
| 235.317 | 0.0000 | 0.0000 | 80.600 | 0.11416 | 0.00000 | 602892.1 | 496212.7 | 0.0 | S |
| 235.325 | 0.0000 | 0.0000 | 80.600 | 0.11415 | 0.00000 | 602892.1 | 496216.1 | 0.0 | S |
| 235.333 | 0.0000 | 0.0000 | 80.600 | 0.11415 | 0.00000 | 602892.1 | 496219.6 | 0.0 | S |
| 235.342 | 0.0000 | 0.0000 | 80.600 | 0.11414 | 0.00000 | 602892.1 | 496223.0 | 0.0 | S |
| 235.350 | 0.0000 | 0.0000 | 80.600 | 0.11414 | 0.00000 | 602892.1 | 496226.4 | 0.0 | S |
| 235.358 | 0.0000 | 0.0000 | 80.599 | 0.11413 | 0.00000 | 602892.1 | 496229.8 | 0.0 | S |
| 235.367 | 0.0000 | 0.0000 | 80.599 | 0.11413 | 0.00000 | 602892.1 | 496233.3 | 0.0 | S |
| 235.375 | 0.0000 | 0.0000 | 80.599 | 0.11412 | 0.00000 | 602892.1 | 496236.7 | 0.0 | S |
| 235.383 | 0.0000 | 0.0000 | 80.599 | 0.11412 | 0.00000 | 602892.1 | 496240.1 | 0.0 | S |
| 235.392 | 0.0000 | 0.0000 | 80.599 | 0.11412 | 0.00000 | 602892.1 | 496243.5 | 0.0 | S |
| 235.400 | 0.0000 | 0.0000 | 80.599 | 0.11411 | 0.00000 | 602892.1 | 496247.0 | 0.0 | S |
| 235.408 | 0.0000 | 0.0000 | 80.599 | 0.11411 | 0.00000 | 602892.1 | 496250.4 | 0.0 | S |
| 235.417 | 0.0000 | 0.0000 | 80.599 | 0.11410 | 0.00000 | 602892.1 | 496253.8 | 0.0 | S |
| 235.425 | 0.0000 | 0.0000 | 80.599 | 0.11410 | 0.00000 | 602892.1 | 496257.2 | 0.0 | S |
| 235.433 | 0.0000 | 0.0000 | 80.599 | 0.11409 | 0.00000 | 602892.1 | 496260.7 | 0.0 | S |
| 235.442 | 0.0000 | 0.0000 | 80.599 | 0.11409 | 0.00000 | 602892.1 | 496264.1 | 0.0 | S |
| 235.450 | 0.0000 | 0.0000 | 80.599 | 0.11408 | 0.00000 | 602892.1 | 496267.5 | 0.0 | S |
| 235.458 | 0.0000 | 0.0000 | 80.599 | 0.11408 | 0.00000 | 602892.1 | 496270.9 | 0.0 | S |
| 235.467 | 0.0000 | 0.0000 | 80.599 | 0.11407 | 0.00000 | 602892.1 | 496274.3 | 0.0 | S |
| 235.475 | 0.0000 | 0.0000 | 80.599 | 0.11407 | 0.00000 | 602892.1 | 496277.8 | 0.0 | S |
| 235.483 | 0.0000 | 0.0000 | 80.598 | 0.11406 | 0.00000 | 602892.1 | 496281.2 | 0.0 | S |
| 235.492 | 0.0000 | 0.0000 | 80.598 | 0.11406 | 0.00000 | 602892.1 | 496284.6 | 0.0 | S |
| 235.500 | 0.0000 | 0.0000 | 80.598 | 0.11406 | 0.00000 | 602892.1 | 496288.0 | 0.0 | S |
| 235.508 | 0.0000 | 0.0000 | 80.598 | 0.11405 | 0.00000 | 602892.1 | 496291.4 | 0.0 | S |
| 235.517 | 0.0000 | 0.0000 | 80.598 | 0.11405 | 0.00000 | 602892.1 | 496294.9 | 0.0 | S |
| 235.525 | 0.0000 | 0.0000 | 80.598 | 0.11404 | 0.00000 | 602892.1 | 496298.3 | 0.0 | S |
| 235.533 | 0.0000 | 0.0000 | 80.598 | 0.11404 | 0.00000 | 602892.1 | 496301.7 | 0.0 | S |
| 235.542 | 0.0000 | 0.0000 | 80.598 | 0.11403 | 0.00000 | 602892.1 | 496305.1 | 0.0 | S |
| 235.550 | 0.0000 | 0.0000 | 80.598 | 0.11403 | 0.00000 | 602892.1 | 496308.6 | 0.0 | S |
| 235.558 | 0.0000 | 0.0000 | 80.598 | 0.11402 | 0.00000 | 602892.1 | 496312.0 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltation Volume (ft ${ }^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 235.567 | 0.0000 | 0.0000 | 80.598 | 0.11402 | 0.00000 | 602892.1 | 496315.4 | 0.0 | S |
| 235.575 | 0.0000 | 0.0000 | 80.598 | 0.11401 | 0.00000 | 602892.1 | 496318.8 | 0.0 | S |
| 235.583 | 0.0000 | 0.0000 | 80.598 | 0.11401 | 0.00000 | 602892.1 | 496322.3 | 0.0 | S |
| 235.592 | 0.0000 | 0.0000 | 80.598 | 0.11401 | 0.00000 | 602892.1 | 496325.7 | 0.0 | S |
| 235.600 | 0.0000 | 0.0000 | 80.597 | 0.11400 | 0.00000 | 602892.1 | 496329.1 | 0.0 | S |
| 235.608 | 0.0000 | 0.0000 | 80.597 | 0.11400 | 0.00000 | 602892.1 | 496332.5 | 0.0 | S |
| 235.617 | 0.0000 | 0.0000 | 80.597 | 0.11399 | 0.00000 | 602892.1 | 496335.9 | 0.0 | S |
| 235.625 | 0.0000 | 0.0000 | 80.597 | 0.11399 | 0.00000 | 602892.1 | 496339.3 | 0.0 | S |
| 235.633 | 0.0000 | 0.0000 | 80.597 | 0.11398 | 0.00000 | 602892.1 | 496342.8 | 0.0 | S |
| 235.642 | 0.0000 | 0.0000 | 80.597 | 0.11398 | 0.00000 | 602892.1 | 496346.2 | 0.0 | S |
| 235.650 | 0.0000 | 0.0000 | 80.597 | 0.11397 | 0.00000 | 602892.1 | 496349.6 | 0.0 | S |
| 235.658 | 0.0000 | 0.0000 | 80.597 | 0.11397 | 0.00000 | 602892.1 | 496353.0 | 0.0 | S |
| 235.667 | 0.0000 | 0.0000 | 80.597 | 0.11396 | 0.00000 | 602892.1 | 496356.4 | 0.0 | S |
| 235.675 | 0.0000 | 0.0000 | 80.597 | 0.11396 | 0.00000 | 602892.1 | 496359.8 | 0.0 | S |
| 235.683 | 0.0000 | 0.0000 | 80.597 | 0.11396 | 0.00000 | 602892.1 | 496363.3 | 0.0 | S |
| 235.692 | 0.0000 | 0.0000 | 80.597 | 0.11395 | 0.00000 | 602892.1 | 496366.7 | 0.0 | S |
| 235.700 | 0.0000 | 0.0000 | 80.597 | 0.11395 | 0.00000 | 602892.1 | 496370.1 | 0.0 | S |
| 235.708 | 0.0000 | 0.0000 | 80.597 | 0.11394 | 0.00000 | 602892.1 | 496373.5 | 0.0 | S |
| 235.717 | 0.0000 | 0.0000 | 80.596 | 0.11394 | 0.00000 | 602892.1 | 496376.9 | 0.0 | S |
| 235.725 | 0.0000 | 0.0000 | 80.596 | 0.11393 | 0.00000 | 602892.1 | 496380.4 | 0.0 | S |
| 235.733 | 0.0000 | 0.0000 | 80.596 | 0.11393 | 0.00000 | 602892.1 | 496383.8 | 0.0 | S |
| 235.742 | 0.0000 | 0.0000 | 80.596 | 0.11392 | 0.00000 | 602892.1 | 496387.2 | 0.0 | S |
| 235.750 | 0.0000 | 0.0000 | 80.596 | 0.11392 | 0.00000 | 602892.1 | 496390.6 | 0.0 | S |
| 235.758 | 0.0000 | 0.0000 | 80.596 | 0.11391 | 0.00000 | 602892.1 | 496394.0 | 0.0 | S |
| 235.767 | 0.0000 | 0.0000 | 80.596 | 0.11391 | 0.00000 | 602892.1 | 496397.4 | 0.0 | S |
| 235.775 | 0.0000 | 0.0000 | 80.596 | 0.11391 | 0.00000 | 602892.7 | 496400.9 | 0.0 | S |
| 235.783 | 0.0000 | 0.0000 | 80.596 | 0.11390 | 0.00000 | 602892.1 | 496404.3 | 0.0 | S |
| 235.792 | 0.0000 | 0.0000 | 80.596 | 0.11390 | 0.00000 | 602892.1 | 496407.7 | 0.0 | S |
| 235.800 | 0.0000 | 0.0000 | 80.596 | 0.11389 | 0.00000 | 602892.1 | 496411.1 | 0.0 | S |
| 235.808 | 0.0000 | 0.0000 | 80.596 | 0.11389 | 0.00000 | 602892.1 | 496414.5 | 0.0 | S |
| 235.817 | 0.0000 | 0.0000 | 80.596 | 0.11388 | 0.00000 | 602892.1 | 496417.9 | 0.0 | S |
| 235.825 | 0.0000 | 0.0000 | 80.596 | 0.11388 | 0.00000 | 602892.1 | 496421.4 | 0.0 | S |
| 235.833 | 0.0000 | 0.0000 | 80.595 | 0.11387 | 0.00000 | 602892.1 | 496424.8 | 0.0 | S |
| 235.842 | 0.0000 | 0.0000 | 80.595 | 0.11387 | 0.00000 | 602892.1 | 496428.2 | 0.0 | S |
| 235.850 | 0.0000 | 0.0000 | 80.595 | 0.11386 | 0.00000 | 602892.1 | 496431.6 | 0.0 | S |
| 235.858 | 0.0000 | 0.0000 | 80.595 | 0.11386 | 0.00000 | 602892.1 | 496435.0 | 0.0 | S |
| 235.867 | 0.0000 | 0.0000 | 80.595 | 0.11386 | 0.00000 | 602892.1 | 496438.4 | 0.0 | S |
| 235.875 | 0.0000 | 0.0000 | 80.595 | 0.11385 | 0.00000 | 602892.1 | 496441.9 | 0.0 | S |
| 235.883 | 0.0000 | 0.0000 | 80.595 | 0.11385 | 0.00000 | 602892.1 | 496445.3 | 0.0 | S |
| 235.892 | 0.0000 | 0.0000 | 80.595 | 0.11384 | 0.00000 | 602892.1 | 496448.7 | 0.0 | S |
| 235.900 | 0.0000 | 0.0000 | 80.595 | 0.11384 | 0.00000 | 602892.1 | 496452.1 | 0.0 | S |
| 235.908 | 0.0000 | 0.0000 | 80.595 | 0.11383 | 0.00000 | 602892.1 | 496455.5 | 0.0 | S |
| 235.917 | 0.0000 | 0.0000 | 80.595 | 0.11383 | 0.00000 | 602892.1 | 496458.9 | 0.0 | S |
| 235.925 | 0.0000 | 0.0000 | 80.595 | 0.11382 | 0.00000 | 602892.1 | 496462.3 | 0.0 | S |
| 235.933 | 0.0000 | 0.0000 | 80.595 | 0.11382 | 0.00000 | 602892.1 | 496465.8 | 0.0 | S |
| 235.942 | 0.0000 | 0.0000 | 80.595 | 0.11381 | 0.00000 | 602892.1 | 496469.2 | 0.0 | S |
| 235.950 | 0.0000 | 0.0000 | 80.595 | 0.11381 | 0.00000 | 602892.1 | 496472.6 | 0.0 | S |
| 235.958 | 0.0000 | 0.0000 | 80.594 | 0.11381 | 0.00000 | 602892.1 | 496476.0 | 0.0 | S |
| 235.967 | 0.0000 | 0.0000 | 80.594 | 0.11380 | 0.00000 | 602892.1 | 496479.4 | 0.0 | S |
| 235.975 | 0.0000 | 0.0000 | 80.594 | 0.11380 | 0.00000 | 602892.1 | 496482.8 | 0.0 | S |
| 235.983 | 0.0000 | 0.0000 | 80.594 | 0.11379 | 0.00000 | 602892.1 | 496486.3 | 0.0 | S |
| 235.992 | 0.0000 | 0.0000 | 80.594 | 0.11379 | 0.00000 | 602892.1 | 496489.7 | 0.0 | S |
| 236.000 | 0.0000 | 0.0000 | 80.594 | 0.11378 | 0.00000 | 602892.1 | 496493.1 | 0.0 | S |
| 236.008 | 0.0000 | 0.0000 | 80.594 | 0.11378 | 0.00000 | 602892.1 | 496496.5 | 0.0 | S |
| 236.017 | 0.0000 | 0.0000 | 80.594 | 0.11377 | 0.00000 | 602892.1 | 496499.9 | 0.0 | S |
| 236.025 | 0.0000 | 0.0000 | 80.594 | 0.11377 | 0.00000 | 602892.1 | 496503.3 | 0.0 | S |
| 236.033 | 0.0000 | 0.0000 | 80.594 | 0.11376 | 0.00000 | 602892.1 | 496506.7 | 0.0 | S |
| 236.042 | 0.0000 | 0.0000 | 80.594 | 0.11376 | 0.00000 | 602892.1 | 496510.2 | 0.0 | S |
| 236.050 | 0.0000 | 0.0000 | 80.594 | 0.11376 | 0.00000 | 602892.1 | 496513.6 | 0.0 | S |
| 236.058 | 0.0000 | 0.0000 | 80.594 | 0.11375 | 0.00000 | 602892.1 | 496517.0 | 0.0 | S |
| 236.067 | 0.0000 | 0.0000 | 80.594 | 0.11375 | 0.00000 | 602892.1 | 496520.4 | 0.0 | S |
| 236.075 | 0.0000 | 0.0000 | 80.593 | 0.11374 | 0.00000 | 602892.1 | 496523.8 | 0.0 | S |
| 236.083 | 0.0000 | 0.0000 | 80.593 | 0.11374 | 0.00000 | 602892.1 | 496527.2 | 0.0 | S |
| 236.092 | 0.0000 | 0.0000 | 80.593 | 0.11373 | 0.00000 | 602892.1 | 496530.6 | 0.0 | S |
| 236.100 | 0.0000 | 0.0000 | 80.593 | 0.11373 | 0.00000 | 602892.1 | 496534.0 | 0.0 | S |
| 236.108 | 0.0000 | 0.0000 | 80.593 | 0.11372 | 0.00000 | 602892.1 | 496537.4 | 0.0 | S |
| 236.117 | 0.0000 | 0.0000 | 80.593 | 0.71372 | 0.00000 | 602892.1 | 496540.8 | 0.0 | S |
| 236.125 | 0.0000 | 0.0000 | 80.593 | 0.11372 | 0.00000 | 602892.1 | 496544.3 | 0.0 | S |
| 236.133 | 0.0000 | 0.0000 | 80.593 | 0.11371 | 0.00000 | 602892.1 | 496547.7 | 0.0 | S |
| 236.142 | 0.0000 | 0.0000 | 80.593 | 0.11371 | 0.00000 | 602892.1 | 496551.1 | 0.0 | S |
| 236.150 | 0.0000 | 0.0000 | 80.593 | 0.11370 | 0.00000 | 602892.1 | 496554.5 | 0.0 | S |
| 236.158 | 0.0000 | 0.0000 | 80.593 | 0.11370 | 0.00000 | 602892.1 | 496557.9 | 0.0 | S |
| 236.167 | 0.0000 | 0.0000 | 80.593 | 0.11369 | 0.00000 | 602892.1 | 496561.3 | 0.0 | S |
| 236.175 | 0.0000 | 0.0000 | 80.593 | 0.11369 | 0.00000 | 602892.1 | 496564.7 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (fUday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{t}^{3 / 1 / s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume (ft ${ }^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 236.183 | 0.0000 | 0.0000 | 80.593 | 0.11368 | 0.00000 | 602892.1 | 496568.2 | 0.0 | S |
| 236.192 | 0.0000 | 0.0000 | 80.592 | 0.11368 | 0.00000 | 602892.1 | 496571.6 | 0.0 | S |
| 236.200 | 0.0000 | 0.0000 | 80.592 | 0.11367 | 0.00000 | 602892.1 | 496575.0 | 0.0 | S |
| 236.208 | 0.0000 | 0.0000 | 80.592 | 0.11367 | 0.00000 | 602892.1 | 496578.4 | 0.0 | S |
| 236.217 | 0.0000 | 0.0000 | 80.592 | 0.11367 | 0.00000 | 602892.1 | 496581.8 | 0.0 | S |
| 236.225 | 0.0000 | 0.0000 | 80.592 | 0.11366 | 0.00000 | 602892.1 | 496585.2 | 0.0 | S |
| 236.233 | 0.0000 | 0.0000 | 80.592 | 0.11366 | 0.00000 | 602892.1 | 496588.6 | 0.0 | S |
| 236.242 | 0.0000 | 0.0000 | 80.592 | 0.11365 | 0.00000 | 602892.1 | 496592.0 | 0.0 | S |
| 236.250 | 0.0000 | 0.0000 | 80.592 | 0.11365 | 0.00000 | 602892.1 | 496595.4 | 0.0 | S |
| 236.258 | 0.0000 | 0.0000 | 80.592 | 0.11364 | 0.00000 | 602892.1 | 496598.8 | 0.0 | S |
| 236.267 | 0.0000 | 0.0000 | 80.592 | 0.11364 | 0.00000 | 602892.1 | 496602.3 | 0.0 | S |
| 236.275 | 0.0000 | 0.0000 | 80.592 | 0.11363 | 0.00000 | 602892.1 | 496605.7 | 0.0 | S |
| 236.283 | 0.0000 | 0.0000 | 80.592 | 0.11363 | 0.00000 | 602892.1 | 496609.1 | 0.0 | S |
| 236.292 | 0.0000 | 0.0000 | 80.592 | 0.11362 | 0.00000 | 602892.1 | 496612.5 | 0.0 | S |
| 236.300 | 0.0000 | 0.0000 | 80.592 | 0.11362 | 0.00000 | 602892.1 | 496615.9 | 0.0 | S |
| 236.308 | 0.0000 | 0.0000 | 80.592 | 0.11362 | 0.00000 | 602892.1 | 496619.3 | 0.0 | S |
| 236.317 | 0.0000 | 0.0000 | 80.591 | 0.11361 | 0.00000 | 602892.1 | 496622.7 | 0.0 | S |
| 236.325 | 0.0000 | 0.0000 | 80.591 | 0.11361 | 0.00000 | 602892.1 | 496626.1 | 0.0 | S |
| 236.333 | 0.0000 | 0.0000 | 80.591 | 0.11360 | 0.00000 | 602892.1 | 496629.5 | 0.0 | S |
| 236.342 | 0.0000 | 0.0000 | 80.591 | 0.11360 | 0.00000 | 602892.1 | 496632.9 | 0.0 | S |
| 236.350 | 0.0000 | 0.0000 | 80.591 | 0.11359 | 0.00000 | 602892.1 | 496636.3 | 0.0 | S |
| 236.358 | 0.0000 | 0.0000 | 80.591 | 0.11359 | 0.00000 | 602892.1 | 496639.7 | 0.0 | S |
| 236.367 | 0.0000 | 0.0000 | 80.591 | 0.11358 | 0.00000 | 602892.1 | 496643.2 | 0.0 | S |
| 236.375 | 0.0000 | 0.0000 | 80.591 | 0.11358 | 0.00000 | 602892.1 | 496646.6 | 0.0 | S |
| 236.383 | 0.0000 | 0.0000 | 80.591 | 0.11357 | 0.00000 | 602892.1 | 496650.0 | 0.0 | S |
| 236.392 | 0.0000 | 0.0000 | 80.591 | 0.11357 | 0.00000 | 602892.1 | 496653.4 | 0.0 | S |
| 236.400 | 0.0000 | 0.0000 | 80.591 | 0.11357 | 0.00000 | 602892.1 | 496656.8 | 0.0 | S |
| 236.408 | 0.0000 | 0.0000 | 80.591 | 0.11356 | 0.00000 | 602892.1 | 496660.2 | 0.0 | S |
| 236.417 | 0.0000 | 0.0000 | 80.591 | 0.11356 | 0.00000 | 602892.1 | 496663.6 | 0.0 | S |
| 236.425 | 0.0000 | 0.0000 | 80.591 | 0.11355 | 0.00000 | 602892.1 | 496667.0 | 0.0 | S |
| 236.433 | 0.0000 | 0.0000 | 80.590 | 0.11355 | 0.00000 | 602892.1 | 496670.4 | 0.0 | S |
| 236.442 | 0.0000 | 0.0000 | 80.590 | 0.11354 | 0.00000 | 602892.1 | 496673.8 | 0.0 | S |
| 236.450 | 0.0000 | 0.0000 | 80.590 | 0.11354 | 0.00000 | 602892.1 | 496677.2 | 0.0 | S |
| 236.458 | 0.0000 | 0.0000 | 80.590 | 0.11353 | 0.00000 | 602892.1 | 496680.6 | 0.0 | S |
| 236.467 | 0.0000 | 0.0000 | 80.590 | 0.11353 | 0.00000 | 602892.1 | 496684.0 | 0.0 | S |
| 236.475 | 0.0000 | 0.0000 | 80.590 | 0.11352 | 0.00000 | 602892.1 | 496687.4 | 0.0 | S |
| 236.483 | 0.0000 | 0.0000 | 80.590 | 0.11352 | 0.00000 | 602892.1 | 496690.8 | 0.0 | S |
| 236.492 | 0.0000 | 0.0000 | 80.590 | 0.11352 | 0.00000 | 602892.1 | 496694.3 | 0.0 | S |
| 236.500 | 0.0000 | 0.0000 | 80.590 | 0.11351 | 0.00000 | 602892.1 | 496697.7 | 0.0 | 5 |
| 236.508 | 0.0000 | 0.0000 | 80.590 | 0.11351 | 0.00000 | 602892.1 | 496701.1 | 0.0 | S |
| 236.517 | 0.0000 | 0.0000 | 80.590 | 0.11350 | 0.00000 | 602892.1 | 496704.5 | 0.0 | S |
| 236.525 | 0.0000 | 0.0000 | 80.590 | 0.11350 | 0.00000 | 602892.1 | 496707.9 | 0.0 | S |
| 236.533 | 0.0000 | 0.0000 | 80.590 | 0.11349 | 0.00000 | 602892.1 | 496711.3 | 0.0 | S |
| 236.542 | 0.0000 | 0.0000 | 80.590 | 0.11348 | 0.00000 | 602892.1 | 496714.7 | 0.0 | S |
| 236.550 | 0.0000 | 0.0000 | 80.589 | 0.11348 | 0.00000 | 602892.1 | 496718.1 | 0.0 | S |
| 236.558 | 0.0000 | 0.0000 | 80.589 | 0.11348 | 0.00000 | 602892.1 | 496721.5 | 0.0 | S |
| 236.567 | 0.0000 | 0.0000 | 80.589 | 0.11348 | 0.00000 | 602892.1 | 496724.9 | 0.0 | S |
| 236.575 | 0.0000 | 0.0000 | 80.589 | 0.11347 | 0.00000 | 602892.1 | 496728.3 | 0.0 | S |
| 236.583 | 0.0000 | 0.0000 | 80.589 | 0.11347 | 0.00000 | 602892.1 | 496731.7 | 0.0 | S |
| 236.592 | 0.0000 | 0.0000 | 80.589 | 0.11346 | 0.00000 | 602892.1 | 496735.1 | 0.0 | S |
| 236.600 | 0.0000 | 0.0000 | 80.589 | 0.11346 | 0.00000 | 602892.1 | 496738.5 | 0.0 | S |
| 236.608 | 0.0000 | 0.0000 | 80.589 | 0.11345 | 0.00000 | 602892.1 | 496741.9 | 0.0 | S |
| 236.617 | 0.0000 | 0.0000 | 80.589 | 0.11345 | 0.00000 | 602892.1 | 496745.3 | 0.0 | S |
| 236.625 | 0.0000 | 0.0000 | 80.589 | 0.11344 | 0.00000 | 602892.1 | 496748.7 | 0.0 | S |
| 236.633 | 0.0000 | 0.0000 | 80.589 | 0.11344 | 0.00000 | 602892.1 | 496752.1 | 0.0 | S |
| 236.642 | 0.0000 | 0.0000 | 80.589 | 0.11343 | 0.00000 | 602892.1 | 496755.5 | 0.0 | S |
| 236.650 | 0.0000 | 0.0000 | 80.589 | 0.11343 | 0.00000 | 602892.1 | 496758.9 | 0.0 | S |
| 236.658 | 0.0000 | 0.0000 | 80.589 | 0.11343 | 0.00000 | 602892.1 | 496762.3 | 0.0 | S |
| 236.667 | 0.0000 | 0.0000 | 80.589 | 0.11342 | 0.00000 | 602892.1 | 496765.7 | 0.0 | S |
| 236.675 | 0.0000 | 0.0000 | 80.588 | 0.11342 | 0.00000 | 602892.1 | 496769.1 | 0.0 | S |
| 236.683 | 0.0000 | 0.0000 | 80.588 | 0.11341 | 0.00000 | 602892.1 | 496772.5 | 0.0 | S |
| 236.692 | 0.0000 | 0.0000 | 80.588 | 0.11341 | 0.00000 | 602892.1 | 496775.9 | 0.0 | S |
| 236.700 | 0.0000 | 0.0000 | 80.588 | 0.11340 | 0.00000 | 602892.1 | 496779.3 | 0.0 | S |
| 236.708 | 0.0000 | 0.0000 | 80.588 | 0.11340 | 0.00000 | 602892.1 | 496782.8 | 0.0 | S |
| 236.717 | 0.0000 | 0.0000 | 80.588 | 0.11339 | 0.00000 | 602892.1 | 496786.1 | 0.0 | S |
| 236.725 | 0.0000 | 0.0000 | 80.588 | 0.11339 | 0.00000 | 602892.1 | 496789.5 | 0.0 | S |
| 236.733 | 0.0000 | 0.0000 | 80.588 | 0.11339 | 0.00000 | 602892.1 | 496792.9 | 0.0 | S |
| 236.742 | 0.0000 | 0.0000 | 80.588 | 0.11338 | 0.00000 | 602892.1 | 496796.3 | 0.0 | S |
| 236.750 | 0.0000 | 0.0000 | 80.588 | 0.11338 | 0.00000 | 602892.1 | 496799.8 | 0.0 | S |
| 236.758 | 0.0000 | 0.0000 | 80.588 | 0.11337 | 0.00000 | 602892.1 | 496803.2 | 0.0 | S |
| 236.767 | 0.0000 | 0.0000 | 80.588 | 0.11337 | 0.00000 | 602892.1 | 496806.5 | 0.0 | S |
| 236.775 | 0.0000 | 0.0000 | 80.588 | 0.11336 | 0.00000 | 602892.1 | 496809.9 | 0.0 | S |
| 236.783 | 0.0000 | 0.0000 | 80.588 | 0.11336 | 0.00000 | 602892.1 | 496813.3 | 0.0 | S |
| 236.792 | 0.0000 | 0.0000 | 80.587 | 0.11335 | 0.00000 | 602892.1 | 496816.8 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate (fis/s) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate (ft ${ }^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{Ht}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 236.800 | 0.0000 | 0.0000 | 80.587 | 0.11335 | 0.00000 | 602892.1 | 496820.2 | 0.0 | S |
| 236.808 | 0.0000 | 0.0000 | 80.587 | 0.11334 | 0.00000 | 602892.1 | 496823.6 | 0.0 | S |
| 236.817 | 0.0000 | 0.0000 | 80.587 | 0.11334 | 0.00000 | 602892.1 | 496826.9 | 0.0 | S |
| 236.825 | 0.0000 | 0.0000 | 80.587 | 0.11334 | 0.00000 | 602892.1 | 496830.3 | 0.0 | S |
| 236.833 | 0.0000 | 0.0000 | 80.587 | 0.11333 | 0.00000 | 602892.1 | 496833.8 | 0.0 | S |
| 236.842 | 0.0000 | 0.0000 | 80.587 | 0.11333 | 0.00000 | 602892.1 | 496837.2 | 0.0 | S |
| 236.850 | 0.0000 | 0.0000 | 80.587 | 0.11332 | 0.00000 | 602892.1 | 496840.6 | 0.0 | S |
| 236.858 | 0.0000 | 0.0000 | 80.587 | 0.11332 | 0.00000 | 602892.1 | 496843.9 | 0.0 | S |
| 236.867 | 0.0000 | 0.0000 | 80.587 | 0.11331 | 0.00000 | 602892.1 | 496847.3 | 0.0 | S |
| 236.875 | 0.0000 | 0.0000 | 80.587 | 0.11331 | 0.00000 | 602892.1 | 496850.8 | 0.0 | S |
| 236.883 | 0.0000 | 0.0000 | 80.587 | 0.11330 | 0.00000 | 602892.1 | 496854.2 | 0.0 | S |
| 236.892 | 0.0000 | 0.0000 | 80.587 | 0.11330 | 0.00000 | 602892.1 | 496857.5 | 0.0 | 5 |
| 236.900 | 0.0000 | 0.0000 | 80.587 | 0.11329 | 0.00000 | 602892.1 | 496860.9 | 0.0 | S |
| 236.908 | 0.0000 | 0.0000 | 80.586 | 0.11329 | 0.00000 | 602892.1 | 496864.3 | 0.0 | S |
| 236.917 | 0.0000 | 0.0000 | 80.586 | 0.11329 | 0.00000 | 602892.1 | 496867.8 | 0.0 | 5 |
| 236,925 | 0.0000 | 0.0000 | 80.586 | 0.11328 | 0.00000 | 602892.1 | 496871.2 | 0.0 | S |
| 236.933 | 0.0000 | 0.0000 | 80.586 | 0.11328 | 0.00000 | 602892.1 | 496874.5 | 0.0 | S |
| 236.942 | 0.0000 | 0.0000 | 80.586 | 0.11327 | 0.00000 | 602892.1 | 496877.9 | 0.0 | S |
| 236.950 | 0.0000 | 0.0000 | 80.586 | 0.11327 | 0.00000 | 602892.1 | 496881.3 | 0.0 | S |
| 236.958 | 0.0000 | 0.0000 | 80.586 | 0.11326 | 0.00000 | 602892.1 | 496884.7 | 0.0 | S |
| 236.967 | 0.0000 | 0.0000 | 80.586 | 0.11326 | 0.00000 | 602892.1 | 496888.1 | 0.0 | S |
| 236.975 | 0.0000 | 0.0000 | 80.586 | 0.11325 | 0.00000 | 602892.1 | 496891.5 | 0.0 | S |
| 236.983 | 0.0000 | 0.0000 | 80.586 | 0.11325 | 0.00000 | 602892.1 | 496894.9 | 0.0 | S |
| 236.992 | 0.0000 | 0.0000 | 80.586 | 0.11325 | 0.00000 | 602892.1 | 496898.3 | 0.0 | S |
| 237.000 | 0.0000 | 0.0000 | 80.586 | 0.11324 | 0.00000 | 602892.1 | 496901.7 | 0.0 | S |
| 237.008 | 0.0000 | 0.0000 | 80.586 | 0.11324 | 0.00000 | 602892.1 | 496905.1 | 0.0 | S |
| 237.017 | 0.0000 | 0.0000 | 80.586 | 0.11323 | 0.00000 | 602892.1 | 496908.5 | 0.0 | S |
| 237.025 | 0.0000 | 0.0000 | 80.586 | 0.11323 | 0.00000 | 602892.1 | 496911.9 | 0.0 | S |
| 237.033 | 0.0000 | 0.0000 | 80.585 | 0.11322 | 0.00000 | 602892.1 | 496915.3 | 0.0 | S |
| 237.042 | 0.0000 | 0.0000 | 80.585 | 0.11322 | 0.00000 | 602892.1 | 496918.7 | 0.0 | S |
| 237.050 | 0.0000 | 0.0000 | 80.585 | 0.11321 | 0.00000 | 602892.1 | 496922.1 | 0.0 | S |
| 237.058 | 0.0000 | 0.0000 | 80.585 | 0.11321 | 0.00000 | 602892.1 | 496925.5 | 0.0 | S |
| 237.067 | 0.0000 | 0.0000 | 80.585 | 0.11320 | 0.00000 | 602892.1 | 496928.9 | 0.0 | S |
| 237.075 | 0.0000 | 0.0000 | 80.585 | 0.11320 | 0.00000 | 602892.1 | 496932.3 | 0.0 | 5 |
| 237.083 | 0.0000 | 0.0000 | 80.585 | 0.11320 | 0.00000 | 602892.1 | 496935.7 | 0.0 | S |
| 237.092 | 0.0000 | 0.0000 | 80.585 | 0.11319 | 0.00000 | 602892.1 | 496939.1 | 0.0 | S |
| 237.100 | 0.0000 | 0.0000 | 80.585 | 0.11319 | 0.00000 | 602892.1 | 496942.5 | 0.0 | S |
| 237.108 | 0.0000 | 0.0000 | 80.585 | 0.11318 | 0.00000 | 602892.1 | 496945.9 | 0.0 | S |
| 237.117 | 0.0000 | 0.0000 | 80.585 | 0.11318 | 0.00000 | 602892.1 | 496949.3 | 0.0 | S |
| 237.125 | 0.0000 | 0.0000 | 80.585 | 0.11317 | 0.00000 | 602892.1 | 496952.7 | 0.0 | S |
| 237.133 | 0.0000 | 0.0000 | 80.585 | 0.11317 | 0.00000 | 602892.1 | 496956.1 | 0.0 | S |
| 237.142 | 0.0000 | 0.0000 | 80.585 | 0.11316 | 0.00000 | 602892.1 | 496959.5 | 0.0 | S |
| 237.150 | 0.0000 | 0.0000 | 80.584 | 0.11316 | 0.00000 | 602892.1 | 496962.8 | 0.0 | S |
| 237.158 | 0.0000 | 0.0000 | 80.584 | 0.11316 | 0.00000 | 602892.1 | 496966.3 | 0.0 | S |
| 237.167 | 0.0000 | 0.0000 | 80.584 | 0.11315 | 0.00000 | 602892.1 | 496969.6 | 0.0 | S |
| 237.175 | 0.0000 | 0.0000 | 80.584 | 0.11315 | 0.00000 | 602892.1 | 496973.0 | 0.0 | S |
| 237.183 | 0.0000 | 0.0000 | 80.584 | 0.11314 | 0.00000 | 602892.1 | 496976.4 | 0.0 | S |
| 237.192 | 0.0000 | 0.0000 | 80.584 | 0.11314 | 0.00000 | 602892.1 | 496979.8 | 0.0 | S |
| 237.200 | 0.0000 | 0.0000 | 80.584 | 0.11313 | 0.00000 | 602892.1 | 496983.2 | 0.0 | S |
| 237.208 | 0.0000 | 0.0000 | 80.584 | 0.11313 | 0.00000 | 602892.1 | 496986.6 | 0.0 | S |
| 237.217 | 0.0000 | 0.0000 | 80.584 | 0.11312 | 0.00000 | 602892.1 | 496990.0 | 0.0 | 5 |
| 237.225 | 0.0000 | 0.0000 | 80.584 | 0.11312 | 0.00000 | 602892.1 | 496993.4 | 0.0 | S |
| 237.233 | 0.0000 | 0.0000 | 80.584 | 0.11311 | 0.00000 | 602892.1 | 496996.8 | 0.0 | S |
| 237.242 | 0.0000 | 0.0000 | 80.584 | 0.11311 | 0.00000 | 602892.1 | 497000.2 | 0.0 | S |
| 237.250 | 0.0000 | 0.0000 | 80.584 | 0.11311 | 0.00000 | 602892.1 | 497003.6 | 0.0 | S |
| 237.258 | 0.0000 | 0.0000 | 80.584 | 0.11310 | 0.00000 | 602892.1 | 497007.0 | 0.0 | S |
| 237.267 | 0.0000 | 0.0000 | 80.583 | 0.11310 | 0.00000 | 602892.1 | 497010.4 | 0.0 | S |
| 237.275 | 0.0000 | 0.0000 | 80.583 | 0.11309 | 0.00000 | 602892.1 | 497013.8 | 0.0 | S |
| 237.283 | 0.0000 | 0.0000 | 80.583 | 0.11309 | 0.00000 | 602892.1 | 497017.2 | 0.0 | S |
| 237.292 | 0.0000 | 0.0000 | 80.583 | 0.11308 | 0.00000 | 602892.1 | 497020.5 | 0.0 | S |
| 237.300 | 0.0000 | 0.0000 | 80.583 | 0.11308 | 0.00000 | 602892.1 | 497023.9 | 0.0 | S |
| 237.308 | 0.0000 | 0.0000 | 80.583 | 0.11307 | 0.00000 | 602892.1 | 497027.3 | 0.0 | S |
| 237.317 | 0.0000 | 0.0000 | 80.583 | 0.11307 | 0.00000 | 602892.1 | 497030.7 | 0.0 | S |
| 237.325 | 0.0000 | 0.0000 | 80.583 | 0.11307 | 0.00000 | 602892.1 | 497034.1 | 0.0 | S |
| 237.333 | 0.0000 | 0.0000 | 80.583 | 0.11306 | 0.00000 | 602892.1 | 497037.5 | 0.0 | S |
| 237.342 | 0.0000 | 0.0000 | 80.583 | 0.11306 | 0.00000 | 602892.1 | 497040.9 | 0.0 | S |
| 237.350 | 0.0000 | 0.0000 | 80.583 | 0.11305 | 0.00000 | 602892.1 | 497044.3 | 0.0 | S |
| 237.358 | 0.0000 | 0.0000 | 80.583 | 0.11305 | 0.00000 | 602892.1 | 497047.7 | 0.0 | S |
| 237,367 | 0.0000 | 0.0000 | 80.583 | 0.11304 | 0.00000 | 602892.1 | 497051.1 | 0.0 | S |
| 237.375 | 0.0000 | 0.0000 | 80.583 | 0.11304 | 0.00000 | 602892.1 | 497054.5 | 0.0 | S |
| 237.383 | 0.0000 | 0.0000 | 80.583 | 0.11303 | 0.00000 | 602892.1 | 497057.8 | 0.0 | S |
| 237.392 | 0.0000 | 0.0000 | 80.582 | 0.11303 | 0.00000 | 602892.1 | 497061.3 | 0.0 | S |
| 237.400 | 0.0000 | 0.0000 | 80.582 | 0.11303 | 0.00000 | 602892.1 | 497064.6 | 0.0 | S |
| 237.408 | 0.0000 | 0.0000 | 80.582 | 0.11302 | 0.00000 | 602892.1 | 497068.0 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year/24 hour routing with pond 10 overflow

| Elapsed Time (hours) | inflow Rate ( $\mathrm{f} /{ }^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infilitration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | $\begin{aligned} & \text { Flow } \\ & \text { Type } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 237.417 | 0.0000 | 0.0000 | 80.582 | 0.11302 | 0.00000 | 602892.1 | 497071.4 | 0.0 | S |
| 237.425 | 0.0000 | 0.0000 | 80.582 | 0.11301 | 0.00000 | 602892.1 | 497074.8 | 0.0 | S |
| 237.433 | 0.0000 | 0.0000 | 80.582 | 0.11301 | 0.00000 | 602892.1 | 497078.2 | 0.0 | S |
| 237.442 | 0.0000 | 0.0000 | 80.582 | 0.11300 | 0.00000 | 602892.1 | 497081.6 | 0.0 | S |
| 237.450 | 0.0000 | 0.0000 | 80.582 | 0.11300 | 0.00000 | 602892.1 | 497085.0 | 0.0 | S |
| 237.458 | 0.0000 | 0.0000 | 80.582 | 0.11299 | 0.00000 | 602892.1 | 497088.4 | 0.0 | S |
| 237.467 | 0.0000 | 0.0000 | 80.582 | 0.11299 | 0.00000 | 602892.1 | 497091.8 | 0.0 | S |
| 237.475 | 0.0000 | 0.0000 | 80.582 | 0.11298 | 0.00000 | 602892.1 | 497095.2 | 0.0 | S |
| 237.483 | 0.0000 | 0.0000 | 80.582 | 0.11298 | 0.00000 | 602892.1 | 497098.5 | 0.0 | S |
| 237.492 | 0.0000 | 0.0000 | 80.582 | 0.11298 | 0.00000 | 602892.1 | 497101.9 | 0.0 | S |
| 237.500 | 0.0000 | 0.0000 | 80.582 | 0.11297 | 0.00000 | 602892.1 | 497105.3 | 0.0 | S |
| 237.508 | 0.0000 | 0.0000 | 80.581 | 0.11297 | 0.00000 | 602892.1 | 497108.7 | 0.0 | S |
| 237.517 | 0.0000 | 0.0000 | 80.581 | 0.11296 | 0.00000 | 602892.1 | 497112.1 | 0.0 | S |
| 237.525 | 0.0000 | 0.0000 | 80.581 | 0.11296 | 0.00000 | 602892.1 | 497115.5 | 0.0 | S |
| 237.533 | 0.0000 | 0.0000 | 80.581 | 0.11295 | 0.00000 | 602892.1 | 497118.9 | 0.0 | S |
| 237.542 | 0.0000 | 0.0000 | 80.581 | 0.11295 | 0.00000 | 602892.1 | 497122.3 | 0.0 | S |
| 237.550 | 0.0000 | 0.0000 | 80.581 | 0.11294 | 0.00000 | 602892.1 | 497125.7 | 0.0 | S |
| 237.558 | 0.0000 | 0.0000 | 80.581 | 0.11294 | 0.00000 | 602892.1 | 497129.0 | 0.0 | S |
| 237.567 | 0.0000 | 0.0000 | 80.581 | 0.11294 | 0.00000 | 602892.1 | 497132.4 | 0.0 | S |
| 237.575 | 0.0000 | 0.0000 | 80.581 | 0.11293 | 0.00000 | 602892.1 | 497135.8 | 0.0 | S |
| 237.583 | 0.0000 | 0.0000 | 80.581 | 0.11293 | 0.00000 | 602892.1 | 497139.2 | 0.0 | S |
| 237.592 | 0.0000 | 0.0000 | 80.581 | 0.11292 | 0.00000 | 602892.1 | 497142.6 | 0.0 | S |
| 237.600 | 0.0000 | 0.0000 | 80.581 | 0.11292 | 0.00000 | 602892.1 | 497146.0 | 0.0 | S |
| 237.608 | 0.0000 | 0.0000 | 80.581 | 0.11291 | 0.00000 | 602892.1 | 497149.3 | 0.0 | S |
| 237.617 | 0.0000 | 0.0000 | 80.581 | 0.11291 | 0.00000 | 602892.1 | 497152.8 | 0.0 | S |
| 237.625 | 0.0000 | 0.0000 | 80.581 | 0.11290 | 0.00000 | 602892.1 | 497156.1 | 0.0 | S |
| 237.633 | 0.0000 | 0.0000 | 80.580 | 0.11290 | 0.00000 | 602892.1 | 497159.5 | 0.0 | S |
| 237.642 | 0.0000 | 0.0000 | 80.580 | 0.11290 | 0.00000 | 602892.1 | 497162.9 | 0.0 | S |
| 237.650 | 0.0000 | 0.0000 | 80.580 | 0.11289 | 0.00000 | 602892.1 | 497166.3 | 0.0 | S |
| 237.658 | 0.0000 | 0.0000 | 80.580 | 0.11289 | 0.00000 | 602892.1 | 497169.7 | 0.0 | S |
| 237.667 | 0.0000 | 0.0000 | 80.580 | 0.11288 | 0.00000 | 602892.1 | 497173.1 | 0.0 | S |
| 237.675 | 0.0000 | 0.0000 | 80.580 | 0.11288 | 0.00000 | 602892.1 | 497176.5 | 0.0 | S |
| 237.683 | 0.0000 | 0.0000 | 80.580 | 0.11287 | 0.00000 | 602892.1 | 497179.8 | 0.0 | S |
| 237.692 | 0.0000 | 0.0000 | 80.580 | 0.11287 | 0.00000 | 602892.1 | 497183.2 | 0.0 | S |
| 237.700 | 0.0000 | 0.0000 | 80.580 | 0.11286 | 0.00000 | 602892.1 | 497186.6 | 0.0 | S |
| 237.708 | 0.0000 | 0.0000 | 80.580 | 0.11286 | 0.00000 | 602892.1 | 497190.0 | 0.0 | S |
| 237.717 | 0.0000 | 0.0000 | 80.580 | 0.11285 | 0.00000 | 602892.1 | 497193.4 | 0.0 | S |
| 237.725 | 0.0000 | 0.0000 | 80.580 | 0.11285 | 0.00000 | 602892.1 | 497196.8 | 0.0 | S |
| 237.733 | 0.0000 | 0.0000 | 80.580 | 0.11285 | 0.00000 | 602892.1 | 497200.2 | 0.0 | S |
| 237.742 | 0.0000 | 0.0000 | 80.580 | 0.11284 | 0.00000 | 602892.1 | 497203.5 | 0.0 | S |
| 237.750 | 0.0000 | 0.0000 | 80.579 | 0.11284 | 0.00000 | 602892.1 | 497206.9 | 0.0 | S |
| 237.758 | 0.0000 | 0.0000 | 80.579 | 0.11283 | 0.00000 | 602892.1 | 497210.3 | 0.0 | S |
| 237.767 | 0.0000 | 0.0000 | 80.579 | 0.11283 | 0.00000 | 602892.1 | 497213.7 | 0.0 | S |
| 237.775 | 0.0000 | 0.0000 | 80.579 | 0.11282 | 0.00000 | 602892.1 | 497217.1 | 0.0 | S |
| 237.783 | 0.0000 | 0.0000 | 80.579 | 0.11282 | 0.00000 | 602892.1 | 497220.5 | 0.0 | S |
| 237.792 | 0.0000 | 0.0000 | 80.579 | 0.11281 | 0.00000 | 602892.1 | 497223.8 | 0.0 | S |
| 237.800 | 0.0000 | 0.0000 | 80.579 | 0.11281 | 0.00000 | 602892.1 | 497227.2 | 0.0 | S |
| 237.808 | 0.0000 | 0.0000 | 80.579 | 0.11281 | 0.00000 | 602892.1 | 497230.6 | 0.0 | S |
| 237.817 | 0.0000 | 0.0000 | 80.579 | 0.11280 | 0.00000 | 602892.1 | 497234.0 | 0.0 | S |
| 237.825 | 0.0000 | 0.0000 | 80.579 | 0.11280 | 0.00000 | 602892.1 | 497237.4 | 0.0 | S |
| 237.833 | 0.0000 | 0.0000 | 80.579 | 0.11279 | 0.00000 | 602892.1 | 497240.8 | 0.0 | S |
| 237.842 | 0.0000 | 0.0000 | 80.579 | 0.11279 | 0.00000 | 602892.1 | 497244.2 | 0.0 | S |
| 237.850 | 0.0000 | 0.0000 | 80.579 | 0.11278 | 0.00000 | 602892.1 | 497247.5 | 0.0 | S |
| 237.858 | 0.0000 | 0.0000 | 80.579 | 0.11278 | 0.00000 | 602892.1 | 497250.9 | 0.0 | S |
| 237.867 | 0.0000 | 0.0000 | 80.578 | 0.11277 | 0.00000 | 602892.1 | 497254.3 | 0.0 | S |
| 237.875 | 0.0000 | 0.0000 | 80.578 | 0.11277 | 0.00000 | 602892.1 | 497257.7 | 0.0 | S |
| 237.883 | 0.0000 | 0.0000 | 80.578 | 0.11277 | 0.00000 | 602892.1 | 497261.1 | 0.0 | S |
| 237.892 | 0.0000 | 0.0000 | 80.578 | 0.11276 | 0.00000 | 602892.1 | 497264.4 | 0.0 | S |
| 237.900 | 0.0000 | 0.0000 | 80.578 | 0.11276 | 0.00000 | 602892.1 | 497267.8 | 0.0 | S |
| 237.908 | 0.0000 | 0.0000 | 80.578 | 0.11275 | 0.00000 | 602892.1 | 497271.2 | 0.0 | S |
| 237.917 | 0.0000 | 0.0000 | 80.578 | 0.11275 | 0.00000 | 602892.1 | 497274.6 | 0.0 | S |
| 237.925 | 0.0000 | 0.0000 | 80.578 | 0.11274 | 0.00000 | 602892.1 | 497278.0 | 0.0 | S |
| 237.933 | 0.0000 | 0.0000 | 80.578 | 0.11274 | 0.00000 | 602892.1 | 497281.4 | 0.0 | S |
| 237.942 | 0.0000 | 0.0000 | 80.578 | 0.11273 | 0.00000 | 602892.1 | 497284.8 | 0.0 | S |
| 237.950 | 0.0000 | 0.0000 | 80.578 | 0.11273 | 0.00000 | 602892.1 | 497288.1 | 0.0 | S |
| 237.958 | 0.0000 | 0.0000 | 80.578 | 0.11273 | 0.00000 | 602892.1 | 497291.5 | 0.0 | S |
| 237.967 | 0.0000 | 0.0000 | 80.578 | 0.11272 | 0.00000 | 602892.1 | 497294.9 | 0.0 | S |
| 237.975 | 0.0000 | 0.0000 | 80.578 | 0.11272 | 0.00000 | 602892.1 | 497298.3 | 0.0 | S |
| 237.983 | 0.0000 | 0.0000 | 80.578 | 0.11271 | 0.00000 | 602892.1 | 497301.7 | 0.0 | S |
| 237.992 | 0.0000 | 0.0000 | 80.577 | 0.11271 | 0.00000 | 602892.1 | 497305.0 | 0.0 | S |
| 238.000 | 0.0000 | 0.0000 | 80.577 | 0.11270 | 0.00000 | 602892.1 | 497308.4 | 0.0 | S |
| 238.008 | 0.0000 | 0.0000 | 80.577 | 0.11270 | 0.00000 | 602892.1 | 497311.8 | 0.0 | S |
| 238.017 | 0.0000 | 0.0000 | 80.577 | 0.11269 | 0.00000 | 602892.1 | 497315.2 | 0.0 | S |
| 238.025 | 0.0000 | 0.0000 | 80.577 | 0.11269 | 0.00000 | 602892.1 | 497318.6 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infitration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{t}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 238.033 | 0.0000 | 0.0000 | 80.577 | 0.11269 | 0.00000 | 602892.1 | 497321.9 | 0.0 | S |
| 238.042 | 0.0000 | 0.0000 | 80.577 | 0.11268 | 0.00000 | 602892.1 | 497325.3 | 0.0 | S |
| 238.050 | 0.0000 | 0.0000 | 80.577 | 0.11268 | 0.00000 | 602892.1 | 497328.7 | 0.0 | S |
| 238.058 | 0.0000 | 0.0000 | 80.577 | 0.11267 | 0.00000 | 602892.1 | 497332.1 | 0.0 | S |
| 238.067 | 0.0000 | 0.0000 | 80.577 | 0.11267 | 0.00000 | 602892.1 | 497335.5 | 0.0 | S |
| 238.075 | 0.0000 | 0.0000 | 80.577 | 0.11266 | 0.00000 | 602892.1 | 497338.8 | 0.0 | S |
| 238.083 | 0.0000 | 0.0000 | 80.577 | 0.11266 | 0.00000 | 602892.1 | 497342.2 | 0.0 | S |
| 238.092 | 0.0000 | 0.0000 | 80.577 | 0.11265 | 0.00000 | 602892.1 | 497345.6 | 0.0 | S |
| 238.100 | 0.0000 | 0.0000 | 80.577 | 0.11265 | 0.00000 | 602892.1 | 497349.0 | 0.0 | S |
| 238.108 | 0.0000 | 0.0000 | 80.576 | 0.11264 | 0.00000 | 602892.1 | 497352.4 | 0.0 | S |
| 238.117 | 0.0000 | 0.0000 | 80.576 | 0.11264 | 0.00000 | 602892.1 | 497355.8 | 0.0 | S |
| 238.125 | 0.0000 | 0.0000 | 80.576 | 0.11264 | 0.00000 | 602892.1 | 497359.1 | 0.0 | S |
| 238.133 | 0.0000 | 0.0000 | 80.576 | 0.11263 | 0.00000 | 602892.1 | 497362.5 | 0.0 | S |
| 238.142 | 0.0000 | 0.0000 | 80.576 | 0.11263 | 0.00000 | 602892.1 | 497365.9 | 0.0 | S |
| 238.150 | 0.0000 | 0.0000 | 80.576 | 0.11262 | 0.00000 | 602892.1 | 497369.3 | 0.0 | S |
| 238.158 | 0.0000 | 0.0000 | 80.576 | 0.11262 | 0.00000 | 602892.1 | 497372.6 | 0.0 | S |
| 238.167 | 0.0000 | 0.0000 | 80.576 | 0.11261 | 0.00000 | 602892.1 | 497376.0 | 0.0 | S |
| 238.175 | 0.0000 | 0.0000 | 80.576 | 0.11261 | 0.00000 | 602892.1 | 497379.4 | 0.0 | S |
| 238.183 | 0.0000 | 0.0000 | 80.576 | 0.11260 | 0.00000 | 602892.1 | 497382.8 | 0.0 | S |
| 238.192 | 0.0000 | 0.0000 | 80.576 | 0.11260 | 0.00000 | 602892.1 | 497386.2 | 0.0 | S |
| 238.200 | 0.0000 | 0.0000 | 80.576 | 0.11260 | 0.00000 | 602892.1 | 497389.5 | 0.0 | S |
| 238.208 | 0.0000 | 0.0000 | 80.576 | 0.11259 | 0.00000 | 602892.1 | 497392.9 | 0.0 | S |
| 238.217 | 0.0000 | 0.0000 | 80.576 | 0.11259 | 0.00000 | 602892.1 | 497396.3 | 0.0 | S |
| 238.225 | 0.0000 | 0.0000 | 80.576 | 0.11258 | 0.00000 | 602892.1 | 497399.7 | 0.0 | S |
| 238.233 | 0.0000 | 0.0000 | 80.575 | 0.11258 | 0.00000 | 602892.1 | 497403.0 | 0.0 | S |
| 238.242 | 0.0000 | 0.0000 | 80.575 | 0.11257 | 0.00000 | 602892.1 | 497406.4 | 0.0 | S |
| 238.250 | 0.0000 | 0.0000 | 80.575 | 0.11257 | 0.00000 | 602892.1 | 497409.8 | 0.0 | S |
| 238.258 | 0.0000 | 0.0000 | 80.575 | 0.11256 | 0.00000 | 602892.1 | 497413.2 | 0.0 | S |
| 238.267 | 0.0000 | 0.0000 | 80.575 | 0.11256 | 0.00000 | 602892.1 | 497416.5 | 0.0 | S |
| 238.275 | 0.0000 | 0.0000 | 80.575 | 0.11256 | 0.00000 | 602892.1 | 497419.9 | 0.0 | S |
| 238.283 | 0.0000 | 0.0000 | 80.575 | 0.11255 | 0.00000 | 602892.1 | 497423.3 | 0.0 | S |
| 238.292 | 0.0000 | 0.0000 | 80.575 | 0.11255 | 0.00000 | 602892.1 | 497426.7 | 0.0 | S |
| 238.300 | 0.0000 | 0.0000 | 80.575 | 0.11254 | 0.00000 | 602892.1 | 497430.1 | 0.0 | S |
| 238.308 | 0.0000 | 0.0000 | 80.575 | 0.11254 | 0.00000 | 602892.1 | 497433.4 | 0.0 | S |
| 238.317 | 0.0000 | 0.0000 | 80.575 | 0.11253 | 0.00000 | 602892.1 | 497436.8 | 0.0 | S |
| 238.325 | 0.0000 | 0.0000 | 80.575 | 0.11253 | 0.00000 | 602892.1 | 497440.2 | 0.0 | S |
| 238.333 | 0.0000 | 0.0000 | 80.575 | 0.11252 | 0.00000 | 602892.1 | 497443.6 | 0.0 | S |
| 238.342 | 0.0000 | 0.0000 | 80.575 | 0.11252 | 0.00000 | 602892.1 | 497446.9 | 0.0 | S |
| 238.350 | 0.0000 | 0.0000 | 80.574 | 0.11252 | 0.00000 | 602892.1 | 497450.3 | 0.0 | S |
| 238.358 | 0.0000 | 0.0000 | 80.574 | 0.11251 | 0.00000 | 602892.1 | 497453.7 | 0.0 | S |
| 238.367 | 0.0000 | 0.0000 | 80.574 | 0.11251 | 0.00000 | 602892.1 | 497457.1 | 0.0 | S |
| 238.375 | 0.0000 | 0.0000 | 80.574 | 0.11250 | 0.00000 | 602892.1 | 497460.4 | 0.0 | S |
| 238.383 | 0.0000 | 0.0000 | 80.574 | 0.11250 | 0.00000 | 602892.1 | 497463.8 | 0.0 | S |
| 238.392 | 0.0000 | 0.0000 | 80.574 | 0.11249 | 0.00000 | 602892.1 | 497467.2 | 0.0 | S |
| 238.400 | 0.0000 | 0.0000 | 80.574 | 0.11249 | 0.00000 | 602892.1 | 497470.6 | 0.0 | S |
| 238.408 | 0.0000 | 0.0000 | 80.574 | 0.11248 | 0.00000 | 602892.1 | 497473.9 | 0.0 | S |
| 238.417 | 0.0000 | 0.0000 | 80.574 | 0.11248 | 0.00000 | 602892.1 | 497477.3 | 0.0 | S |
| 238.425 | 0.0000 | 0.0000 | 80.574 | 0.11248 | 0.00000 | 602892.1 | 497480.7 | 0.0 | S |
| 238.433 | 0.0000 | 0.0000 | 80.574 | 0.11247 | 0.00000 | 602892.1 | 497484.1 | 0.0 | S |
| 238.442 | 0.0000 | 0.0000 | 80.574 | 0.11247 | 0.00000 | 602892.1 | 497487.4 | 0.0 | S |
| 238.450 | 0.0000 | 0.0000 | 80.574 | 0.11246 | 0.00000 | 602892.1 | 497490.8 | 0.0 | S |
| 238.458 | 0.0000 | 0.0000 | 80.574 | 0.11246 | 0.00000 | 602892.1 | 497494.2 | 0.0 | S |
| 238.467 | 0.0000 | 0.0000 | 80.573 | 0.11245 | 0.00000 | 602892.1 | 497497.6 | 0.0 | S |
| 238.475 | 0.0000 | 0.0000 | 80.573 | 0.11245 | 0.00000 | 602892.1 | 497500.9 | 0.0 | S |
| 238.483 | 0.0000 | 0.0000 | 80.573 | 0.11244 | 0.00000 | 602892.1 | 497504.3 | 0.0 | S |
| 238.492 | 0.0000 | 0.0000 | 80.573 | 0.11244 | 0.00000 | 602892.1 | 497507.7 | 0.0 | S |
| 238.500 | 0.0000 | 0.0000 | 80.573 | 0.11244 | 0.00000 | 602892.1 | 497511.0 | 0.0 | S |
| 238.508 | 0.0000 | 0.0000 | 80.573 | 0.11243 | 0.00000 | 602892.1 | 497514.4 | 0.0 | S |
| 238.517 | 0.0000 | 0.0000 | 80.573 | 0.11243 | 0.00000 | 602882.1 | 497517.8 | 0.0 | S |
| 238.525 | 0.0000 | 0.0000 | 80.573 | 0.11242 | 0.00000 | 602892.1 | 497521.2 | 0.0 | S |
| 238.533 | 0.0000 | 0.0000 | 80.573 | 0.11242 | 0.00000 | 602892.1 | 497524.5 | 0.0 | S |
| 238.542 | 0.0000 | 0.0000 | 80.573 | 0.11241 | 0.00000 | 602892.1 | 497527.9 | 0.0 | S |
| 238.550 | 0.0000 | 0.0000 | 80.573 | 0.11241 | 0.00000 | 602892.1 | 497531.3 | 0.0 | S |
| 238.558 | 0.0000 | 0.0000 | 80.573 | 0.11240 | 0.00000 | 602892.1 | 497534.7 | 0.0 | S |
| 238.567 | 0.0000 | 0.0000 | 80.573 | 0.11240 | 0.00000 | 602892.1 | 497538.0 | 0.0 | S |
| 238.575 | 0.0000 | 0.0000 | 80.573 | 0.11240 | 0.00000 | 602892.1 | 497541.4 | 0.0 | S |
| 238.583 | 0.0000 | 0.0000 | 80.573 | 0.11239 | 0.00000 | 602892.1 | 497544.8 | 0.0 | S |
| 238.592 | 0.0000 | 0.0000 | 80.572 | 0.11239 | 0.00000 | 602892.1 | 497548.1 | 0.0 | S |
| 238.600 | 0.0000 | 0.0000 | 80.572 | 0.11238 | 0.00000 | 602892.1 | 497551.5 | 0.0 | S |
| 238.608 | 0.0000 | 0.0000 | 80.572 | 0.11238 | 0.00000 | 602892.1 | 497554.9 | 0.0 | S |
| 238.617 | 0.0000 | 0.0000 | 80.572 | 0.11237 | 0.00000 | 602892.1 | 497558.3 | 0.0 | S |
| 238.625 | 0.0000 | 0.0000 | 80.572 | 0.11237 | 0.00000 | 602892.1 | 497561.6 | 0.0 | S |
| 238.633 | 0.0000 | 0.0000 | 80.572 | 0.11236 | 0.00000 | 602892.1 | 497565.0 | 0.0 | S |
| 238.642 | 0.0000 | 0.0000 | 80.572 | 0.11236 | 0.00000 | 602892.1 | 497568.4 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation ( ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative <br> Discharge <br> Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 238.650 | 0.0000 | 0.0000 | 80.572 | 0.11236 | 0.00000 | 602892.1 | 497571.8 | 0.0 | S |
| 238.658 | 0.0000 | 0.0000 | 80.572 | 0.11235 | 0.00000 | 602892.1 | 497575.1 | 0.0 | S |
| 238.667 | 0.0000 | 0.0000 | 80.572 | 0.11235 | 0.00000 | 602892.1 | 497578.5 | 0.0 | S |
| 238.675 | 0.0000 | 0.0000 | 80.572 | 0.11234 | 0.00000 | 602892.1 | 497581.8 | 0.0 | S |
| 238.683 | 0.0000 | 0.0000 | 80.572 | 0.11234 | 0.00000 | 602892.1 | 497585.2 | 0.0 | S |
| 238.692 | 0.0000 | 0.0000 | 80.572 | 0.11233 | 0.00000 | 602892.1 | 497588.6 | 0.0 | S |
| 238.700 | 0.0000 | 0.0000 | 80.572 | 0.11233 | 0.00000 | 602892.1 | 497592.0 | 0.0 | S |
| 238.708 | 0.0000 | 0.0000 | 80.571 | 0.11232 | 0.00000 | 602892.1 | 497595.3 | 0.0 | S |
| 238.717 | 0.0000 | 0.0000 | 80.571 | 0.11232 | 0.00000 | 602892.1 | 497598.7 | 0.0 | S |
| 238.725 | 0.0000 | 0.0000 | 80.571 | 0.11232 | 0.00000 | 602892.1 | 497602.1 | 0.0 | S |
| 238.733 | 0.0000 | 0.0000 | 80.571 | 0.11231 | 0.00000 | 602892.1 | 497605.4 | 0.0 | S |
| 238.742 | 0.0000 | 0.0000 | 80.571 | 0.11231 | 0.00000 | 602892.1 | 497608.8 | 0.0 | S |
| 238.750 | 0.0000 | 0.0000 | 80.571 | 0.11230 | 0.00000 | 602892.1 | 497612.2 | 0.0 | S |
| 238.758 | 0.0000 | 0.0000 | 80.571 | 0.11230 | 0.00000 | 602892.1 | 497615.5 | 0.0 | S |
| 238.767 | 0.0000 | 0.0000 | 80.571 | 0.11229 | 0.00000 | 602892.1 | 497618.9 | 0.0 | S |
| 238.775 | 0.0000 | 0.0000 | 80.571 | 0.11229 | 0.00000 | 602892.1 | 497622.3 | 0.0 | S |
| 238.783 | 0.0000 | 0.0000 | 80.571 | 0.11228 | 0.00000 | 602892.1 | 497625.7 | 0.0 | S |
| 238.792 | 0.0000 | 0.0000 | 80.571 | 0.11228 | 0.00000 | 602892.1 | 497629.0 | 0.0 | S |
| 238.800 | 0.0000 | 0.0000 | 80.571 | 0.11228 | 0.00000 | 602892.1 | 497632.4 | 0.0 | S |
| 238.808 | 0.0000 | 0.0000 | 80.571 | 0.11227 | 0.00000 | 602892.1 | 497635.8 | 0.0 | S |
| 238.817 | 0.0000 | 0.0000 | 80.571 | 0.11227 | 0.00000 | 602892.1 | 497639.1 | 0.0 | S |
| 238.825 | 0.0000 | 0.0000 | 80.571 | 0.11226 | 0.00000 | 602892.1 | 497642.5 | 0.0 | S |
| 238.833 | 0.0000 | 0.0000 | 80.570 | 0.11226 | 0.00000 | 602892.1 | 497645.8 | 0.0 | S |
| 238.842 | 0.0000 | 0.0000 | 80.570 | 0.11225 | 0.00000 | 602892.1 | 497649.2 | 0.0 | S |
| 238.850 | 0.0000 | 0.0000 | 80.570 | 0.11225 | 0.00000 | 602892.1 | 497652.6 | 0.0 | S |
| 238.858 | 0.0000 | 0.0000 | 80.570 | 0.11224 | 0.00000 | 602892.1 | 497656.0 | 0.0 | S |
| 238.867 | 0.0000 | 0.0000 | 80.570 | 0.11224 | 0.00000 | 602892.1 | 497659.3 | 0.0 | S |
| 238.875 | 0.0000 | 0.0000 | 80.570 | 0.11224 | 0.00000 | 602892.1 | 497662.7 | 0.0 | S |
| 238.883 | 0.0000 | 0.0000 | 80.570 | 0.11223 | 0.00000 | 602892.1 | 497666.1 | 0.0 | S |
| 238.892 | 0.0000 | 0.0000 | 80.570 | 0.11223 | 0.00000 | 602892.1 | 497669.4 | 0.0 | S |
| 238.900 | 0.0000 | 0.0000 | 80.570 | 0.11222 | 0.00000 | 602892.1 | 497672.8 | 0.0 | S |
| 238.908 | 0.0000 | 0.0000 | 80.570 | 0.11222 | 0.00000 | 602892.1 | 497676.2 | 0.0 | S |
| 238.917 | 0.0000 | 0.0000 | 80.570 | 0.11221 | 0.00000 | 602892.1 | 497679.5 | 0.0 | S |
| 238.925 | 0.0000 | 0.0000 | 80.570 | 0.11221 | 0.00000 | 602892.1 | 497682.9 | 0.0 | S |
| 238.933 | 0.0000 | 0.0000 | 80.570 | 0.11220 | 0.00000 | 602892.1 | 497686.3 | 0.0 | S |
| 238.942 | 0.0000 | 0.0000 | 80.570 | 0.11220 | 0.00000 | 602892.1 | 497689.6 | 0.0 | S |
| 238.950 | 0.0000 | 0.0000 | 80.569 | 0.11220 | 0.00000 | 602892.1 | 497693.0 | 0.0 | S |
| 238.958 | 0.0000 | 0.0000 | 80.569 | 0.11219 | 0.00000 | 602892.1 | 497696.4 | 0.0 | S |
| 238.967 | 0.0000 | 0.0000 | 80.569 | 0.11219 | 0.00000 | 602892.1 | 497699.7 | 0.0 | S |
| 238.975 | 0.0000 | 0.0000 | 80.569 | 0.11218 | 0.00000 | 602892.1 | 497703.1 | 0.0 | S |
| 238.983 | 0.0000 | 0.0000 | 80.569 | 0.11218 | 0.00000 | 602892.1 | 497706.5 | 0.0 | S |
| 238.992 | 0.0000 | 0.0000 | 80.569 | 0.11217 | 0.00000 | 602892.1 | 497709.8 | 0.0 | S |
| 239.000 | 0.0000 | 0.0000 | 80.569 | 0.11217 | 0.00000 | 602892.1 | 497713.2 | 0.0 | S |
| 239.008 | 0.0000 | 0.0000 | 80.569 | 0.11216 | 0.00000 | 602892.1 | 497716.6 | 0.0 | S |
| 239.017 | 0.0000 | 0.0000 | 80.569 | 0.11216 | 0.00000 | 602892.1 | 497719.9 | 0.0 | S |
| 239.025 | 0.0000 | 0.0000 | 80.569 | 0.11216 | 0.00000 | 602892.1 | 497723.3 | 0.0 | S |
| 239.033 | 0.0000 | 0.0000 | 80.569 | 0.11215 | 0.00000 | 602892.1 | 497726.7 | 0.0 | S |
| 239.042 | 0.0000 | 0.0000 | 80.569 | 0.11215 | 0.00000 | 602892.1 | 497730.0 | 0.0 | S |
| 239.050 | 0.0000 | 0.0000 | 80.569 | 0.11214 | 0.00000 | 602892.1 | 497733.4 | 0.0 | S |
| 239.058 | 0.0000 | 0.0000 | 80.569 | 0.11214 | 0.00000 | 602892.1 | 497736.8 | 0.0 | S |
| 239.067 | 0.0000 | 0.0000 | 80.569 | 0.11213 | 0.00000 | 602892.1 | 497740.1 | 0.0 | S |
| 239.075 | 0.0000 | 0.0000 | 80.568 | 0.11213 | 0.00000 | 602892.1 | 497743.5 | 0.0 | S |
| 239.083 | 0.0000 | 0.0000 | 80.568 | 0.11213 | 0.00000 | 602892.1 | 497746.8 | 0.0 | S |
| 239.092 | 0.0000 | 0.0000 | 80.568 | 0.11212 | 0.00000 | 602892.1 | 497750.2 | 0.0 | S |
| 239.100 | 0.0000 | 0.0000 | 80.568 | 0.11212 | 0.00000 | 602892.1 | 497753.6 | 0.0 | S |
| 239.108 | 0.0000 | 0.0000 | 80.568 | 0.11211 | 0.00000 | 602892.1 | 497756.9 | 0.0 | S |
| 239.117 | 0.0000 | 0.0000 | 80.568 | 0.11211 | 0.00000 | 602892.1 | 497760.3 | 0.0 | S |
| 239.125 | 0.0000 | 0.0000 | 80.568 | 0.11210 | 0.00000 | 602892.1 | 497763.7 | 0.0 | S |
| 239.133 | 0.0000 | 0.0000 | 80.568 | 0.11210 | 0.00000 | 602892.1 | 497767.0 | 0.0 | S |
| 239.142 | 0.0000 | 0.0000 | 80.568 | 0.11209 | 0.00000 | 602892.1 | 497770.4 | 0.0 | S |
| 239.150 | 0.0000 | 0.0000 | 80.568 | 0.11209 | 0.00000 | 602892.1 | 497773.8 | 0.0 | S |
| 239.158 | 0.0000 | 0.0000 | 80.568 | 0.11209 | 0.00000 | 602892.1 | 497777.1 | 0.0 | S |
| 239.167 | 0.0000 | 0.0000 | 80.568 | 0.11208 | 0.00000 | 602892.1 | 497780.5 | 0.0 | S |
| 239.175 | 0.0000 | 0.0000 | 80.568 | 0.11208 | 0.00000 | 602892.1 | 497783.8 | 0.0 | S |
| 239.183 | 0.0000 | 0.0000 | 80.568 | 0.11207 | 0.00000 | 602892.1 | 497787.2 | 0.0 | S |
| 239.192 | 0.0000 | 0.0000 | 80.567 | 0.11207 | 0.00000 | 602892.1 | 497790.6 | 0.0 | S |
| 239.200 | 0.0000 | 0.0000 | 80.567 | 0.11206 | 0.00000 | 602892.1 | 497793.9 | 0.0 | S |
| 239.208 | 0.0000 | 0.0000 | 80.567 | 0.11206 | 0.00000 | 602892.1 | 497797.3 | 0.0 | S |
| 239.217 | 0.0000 | 0.0000 | 80.567 | 0.11205 | 0.00000 | 602892.1 | 497800.6 | 0.0 | S |
| 239.225 | 0.0000 | 0.0000 | 80.567 | 0.11205 | 0.00000 | 602892.1 | 497804.0 | 0.0 | S |
| 239.233 | 0.0000 | 0.0000 | 80.567 | 0.71205 | 0.00000 | 602892.1 | 497807.3 | 0.0 | S |
| 239.242 | 0.0000 | 0.0000 | 80.567 | 0.11204 | 0.00000 | 602892.1 | 497810.7 | 0.0 | S |
| 239.250 | 0.0000 | 0.0000 | 80.567 | 0.11204 | 0.00000 | 602892.1 | 497814.1 | 0.0 | S |
| 239.258 | 0.0000 | 0.0000 | 80.567 | 0.11203 | 0.00000 | 602892.1 | 497817.4 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (fivday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overliow Discharge ( $\mathrm{H}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\left(\Lambda^{3}\right)$ | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 239.267 | 0.0000 | 0.0000 | 80.567 | 0.11203 | 0.00000 | 602892.1 | 497820.8 | 0.0 | S |
| 239.275 | 0.0000 | 0.0000 | 80.567 | 0.11202 | 0.00000 | 602892.1 | 497824.2 | 0.0 | S |
| 239.283 | 0.0000 | 0.0000 | 80.567 | 0.11202 | 0.00000 | 602892.1 | 497827.5 | 0.0 | S |
| 239.292 | 0.0000 | 0.0000 | 80.567 | 0.11201 | 0.00000 | 602892.1 | 497830.9 | 0.0 | S |
| 239.300 | 0.0000 | 0.0000 | 80.567 | 0.11201 | 0.00000 | 602892.1 | 497834.3 | 0.0 | S |
| 239.308 | 0.0000 | 0.0000 | 80.567 | 0.11201 | 0.00000 | 602892.1 | 497837.6 | 0.0 | S |
| 239.317 | 0.0000 | 0.0000 | 80.566 | 0.11200 | 0.00000 | 602892.1 | 497841.0 | 0.0 | S |
| 239.325 | 0.0000 | 0.0000 | 80.566 | 0.11200 | 0.00000 | 602892.1 | 497844.3 | 0.0 | S |
| 239.333 | 0.0000 | 0.0000 | 80.566 | 0.11199 | 0.00000 | 602892.1 | 497847.7 | 0.0 | S |
| 239.342 | 0.0000 | 0.0000 | 80.566 | 0.11199 | 0.00000 | 602892.1 | 497851.0 | 0.0 | S |
| 239.350 | 0.0000 | 0.0000 | 80.566 | 0.11198 | 0.00000 | 602892.1 | 497854.4 | 0.0 | S |
| 239.358 | 0.0000 | 0.0000 | 80.566 | 0.11198 | 0.00000 | 602892.1 | 497857.8 | 0.0 | S |
| 239.367 | 0.0000 | 0.0000 | 80.566 | 0.11197 | 0.00000 | 602892.1 | 497861.1 | 0.0 | S |
| 239.375 | 0.0000 | 0.0000 | 80.566 | 0.11197 | 0.00000 | 602892.1 | 497864.5 | 0.0 | S |
| 239.383 | 0.0000 | 0.0000 | 80.566 | 0.11197 | 0.00000 | 602892.1 | 497867.8 | 0.0 | S |
| 239.392 | 0.0000 | 0.0000 | 80.566 | 0.11196 | 0.00000 | 602892.1 | 497871.2 | 0.0 | S |
| 239.400 | 0.0000 | 0.0000 | 80.566 | 0.11196 | 0.00000 | 602892.1 | 497874.6 | 0.0 | S |
| 239.408 | 0.0000 | 0.0000 | 80.566 | 0.11195 | 0.00000 | 602892.1 | 497877.9 | 0.0 | S |
| 239.417 | 0.0000 | 0.0000 | 80.566 | 0.11195 | 0.00000 | 602892.1 | 497881.3 | 0.0 | S |
| 239.425 | 0.0000 | 0.0000 | 80.566 | 0.11194 | 0.00000 | 602892.1 | 497884.6 | 0.0 | S |
| 239.433 | 0.0000 | 0.0000 | 80.565 | 0.11194 | 0.00000 | 602892.1 | 497888.0 | 0.0 | S |
| 239.442 | 0.0000 | 0.0000 | 80.565 | 0.11194 | 0.00000 | 602892.1 | 497891.3 | 0.0 | S |
| 239.450 | 0.0000 | 0.0000 | 80.565 | 0.11193 | 0.00000 | 602892.1 | 497894.7 | 0.0 | S |
| 239.458 | 0.0000 | 0.0000 | 80.565 | 0.11193 | 0.00000 | 602892.1 | 497898.1 | 0.0 | S |
| 239.467 | 0.0000 | 0.0000 | 80.565 | 0.11192 | 0.00000 | 602892.1 | 497901.4 | 0.0 | S |
| 239.475 | 0.0000 | 0.0000 | 80.565 | 0.11192 | 0.00000 | 602892.1 | 497904.8 | 0.0 | S |
| 239.483 | 0.0000 | 0.0000 | 80.565 | 0.11191 | 0.00000 | 602892.1 | 497908.1 | 0.0 | S |
| 239.492 | 0.0000 | 0.0000 | 80.565 | 0.11191 | 0.00000 | 602892.1 | 497911.5 | 0.0 | S |
| 239.500 | 0.0000 | 0.0000 | 80.565 | 0.11190 | 0.00000 | 602892.1 | 497914.8 | 0.0 | S |
| 239.508 | 0.0000 | 0.0000 | 80.565 | 0.11190 | 0.00000 | 602892.1 | 497918.2 | 0.0 | S |
| 239.517 | 0.0000 | 0.0000 | 80.565 | 0.11190 | 0.00000 | 602892.1 | 497921.6 | 0.0 | S |
| 239.525 | 0.0000 | 0.0000 | 80.565 | 0.11189 | 0.00000 | 602892.1 | 497924.9 | 0.0 | S |
| 239.533 | 0.0000 | 0.0000 | 80.565 | 0.11189 | 0.00000 | 602892.1 | 497928.3 | 0.0 | S |
| 239.542 | 0.0000 | 0.0000 | 80.565 | 0.11188 | 0.00000 | 602892.1 | 497931.6 | 0.0 | S |
| 239.550 | 0.0000 | 0.0000 | 80.565 | 0.11188 | 0.00000 | 602892.1 | 497935.0 | 0.0 | S |
| 239.558 | 0.0000 | 0.0000 | 80.564 | 0.11187 | 0.00000 | 602892.1 | 497938.3 | 0.0 | S |
| 239.567 | 0.0000 | 0.0000 | 80.564 | 0.11187 | 0.00000 | 602892.1 | 497941.7 | 0.0 | S |
| 239.575 | 0.0000 | 0.0000 | 80.564 | 0.11186 | 0.00000 | 602892.1 | 497945.1 | 0.0 | S |
| 239.583 | 0.0000 | 0.0000 | 80.564 | 0.11186 | 0.00000 | 602892.1 | 497948.4 | 0.0 | S |
| 239.592 | 0.0000 | 0.0000 | 80.564 | 0.11186 | 0.00000 | 602892.1 | 497951.8 | 0.0 | S |
| 239.600 | 0.0000 | 0.0000 | 80.564 | 0.11185 | 0.00000 | 602892.1 | 497955.1 | 0.0 | S |
| 239.608 | 0.0000 | 0.0000 | 80.564 | 0.11185 | 0.00000 | 602892.1 | 497958.5 | 0.0 | S |
| 239.617 | 0.0000 | 0.0000 | 80.564 | 0.11184 | 0.00000 | 602892.1 | 497961.8 | 0.0 | S |
| 239.625 | 0.0000 | 0.0000 | 80.564 | 0.11184 | 0.00000 | 602892.1 | 497965.2 | 0.0 | S |
| 239.633 | 0.0000 | 0.0000 | 80.564 | 0.11183 | 0.00000 | 602892.1 | 497968.6 | 0.0 | S |
| 239.642 | 0.0000 | 0.0000 | 80.564 | 0.11183 | 0.00000 | 602892.1 | 497971.9 | 0.0 | S |
| 239.650 | 0.0000 | 0.0000 | 80.564 | 0.11182 | 0.00000 | 602892.1 | 497975.3 | 0.0 | S |
| 239.658 | 0.0000 | 0.0000 | 80.564 | 0.11182 | 0.00000 | 602892.1 | 497978.6 | 0.0 | S |
| 239.667 | 0.0000 | 0.0000 | 80.564 | 0.11182 | 0.00000 | 602892.1 | 497982.0 | 0.0 | S |
| 239.675 | 0.0000 | 0.0000 | 80.563 | 0.11181 | 0.00000 | 602892.1 | 497985.3 | 0.0 | S |
| 239.683 | 0.0000 | 0.0000 | 80.563 | 0.11181 | 0.00000 | 602892.1 | 497988.7 | 0.0 | S |
| 239.692 | 0.0000 | 0.0000 | 80.563 | 0.11180 | 0.00000 | 602892.1 | 497992.0 | 0.0 | S |
| 239.700 | 0.0000 | 0.0000 | 80.563 | 0.11180 | 0.00000 | 602892.1 | 497995.4 | 0.0 | S |
| 239.708 | 0.0000 | 0.0000 | 80.563 | 0.11179 | 0.00000 | 602892.1 | 497998.8 | 0.0 | S |
| 239.717 | 0.0000 | 0.0000 | 80.563 | 0.11179 | 0.00000 | 602892.1 | 498002.1 | 0.0 | S |
| 239.725 | 0.0000 | 0.0000 | 80.563 | 0.11179 | 0.00000 | 602892.1 | 498005.4 | 0.0 | S |
| 239.733 | 0.0000 | 0.0000 | 80.563 | 0.11178 | 0.00000 | 602892.1 | 498008.8 | 0.0 | S |
| 239.742 | 0.0000 | 0.0000 | 80.563 | 0.11178 | 0.00000 | 602892.1 | 498012.2 | 0.0 | S |
| 239.750 | 0.0000 | 0.0000 | 80.563 | 0.11177 | 0.00000 | 602892.1 | 498015.5 | 0.0 | S |
| 239.758 | 0.0000 | 0.0000 | 80.563 | 0.11177 | 0.00000 | 602892.1 | 498018.9 | 0.0 | S |
| 239.767 | 0.0000 | 0.0000 | 80.563 | 0.11176 | 0.00000 | 602892.1 | 498022.2 | 0.0 | S |
| 239.775 | 0.0000 | 0.0000 | 80.563 | 0.11176 | 0.00000 | 602892.1 | 498025.6 | 0.0 | S |
| 239.783 | 0.0000 | 0.0000 | 80.563 | 0.11175 | 0.00000 | 602892.1 | 498028.9 | 0.0 | S |
| 239.792 | 0.0000 | 0.0000 | 80.563 | 0.11175 | 0.00000 | 602892.1 | 498032.3 | 0.0 | S |
| 239.800 | 0.0000 | 0.0000 | 80.562 | 0.11175 | 0.00000 | 602892.1 | 498035.6 | 0.0 | S |
| 239.808 | 0.0000 | 0.0000 | 80.562 | 0.11174 | 0.00000 | 602892.1 | 498039.0 | 0.0 | S |
| 239.817 | 0.0000 | 0.0000 | 80.562 | 0.11174 | 0.00000 | 602892.1 | 498042.3 | 0.0 | S |
| 239.825 | 0.0000 | 0.0000 | 80.562 | 0.11173 | 0.00000 | 602892.1 | 498045.7 | 0.0 | S |
| 239.833 | 0.0000 | 0.0000 | 80.562 | 0.11173 | 0.00000 | 602892.1 | 498049.0 | 0.0 | S |
| 239.842 | 0.0000 | 0.0000 | 80.562 | 0.11172 | 0.00000 | 602892.1 | 498052.4 | 0.0 | S |
| 239.850 | 0.0000 | 0.0000 | 80.562 | 0.11172 | 0.00000 | 602892.1 | 498055.8 | 0.0 | S |
| 239.858 | 0.0000 | 0.0000 | 80.562 | 0.11171 | 0.00000 | 602892.1 | 498059.1 | 0.0 | S |
| 239.867 | 0.0000 | 0.0000 | 80.562 | 0.11171 | 0.00000 | 602892.1 | 498062.4 | 0.0 | S |
| 239.875 | 0.0000 | 0.0000 | 80.562 | 0.11171 | 0.00000 | 602892.1 | 498065.8 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

| Elapsed Time (hours) | Inflow <br> Rate <br> ( $\mathrm{ft}^{3 / 5}$ ) | Outside Recharge (I/day) | Stage Elevation (fl datum) | infiltration Rate (ftiss) | Overflow Discharge ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume (ft ${ }^{3}$ ) | Cumulative Discharge Volume $\left(\mathrm{h}^{3}\right)$ | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 239.883 | 0.0000 | 0.0000 | 80.562 | 0.11170 | 0.00000 | 602892.1 | 498069.2 | 0.0 | S |
| 239.892 | 0.0000 | 0.0000 | 80.562 | 0.11170 | 0.00000 | 602892.1 | 498072.5 | 0.0 | S |
| 239.900 | 0.0000 | 0.0000 | 80.562 | 0.11169 | 0.00000 | 602892.1 | 498075.8 | 0.0 | S |
| 239.908 | 0.0000 | 0.0000 | 80.562 | 0.11169 | 0.00000 | 602892.1 | 498079.2 | 0.0 | S |
| 239.917 | 0.0000 | 0.0000 | 80.561 | 0.11168 | 0.00000 | 602892.1 | 498082.5 | 0.0 | S |
| 239.925 | 0.0000 | 0.0000 | 80.561 | 0.11168 | 0.00000 | 602892.1 | 498085.9 | 0.0 | S |
| 239.933 | 0.0000 | 0.0000 | 80.561 | 0.11168 | 0.00000 | 602892.1 | 498089.3 | 0.0 | S |
| 239.942 | 0.0000 | 0.0000 | 80.561 | 0.11167 | 0.00000 | 602892.1 | 498092.6 | 0.0 | S |
| 239.950 | 0.0000 | 0.0000 | 80.561 | 0.11167 | 0.00000 | 602892.1 | 498095.9 | 0.0 | S |
| 239.958 | 0.0000 | 0.0000 | 80.561 | 0.11166 | 0.00000 | 602892.1 | 498099.3 | 0.0 | S |
| 239.967 | 0.0000 | 0.0000 | 80.561 | 0.11166 | 0.00000 | 602892.1 | 498102.7 | 0.0 | S |
| 239.975 | 0.0000 | 0.0000 | 80.561 | 0.11165 | 0.00000 | 602892.1 | 498106.0 | 0.0 | S |
| 239.983 | 0.0000 | 0.0000 | 80.561 | 0.11165 | 0.00000 | 602892.1 | 498109.3 | 0.0 | S |
| 239.992 | 0.0000 | 0.0000 | 80.561 | 0.11164 | 0.00000 | 602892.1 | 498112.7 | 0.0 | S |
| 240.000 | 0.0000 | 0.0000 | 80.561 | --- | -- | 602892.1 | 498116.0 | 0.0 | N.A. |

# Pond 9 <br> Back-to-Back <br> 100-year / 24-Hour Storm 

## Run 2 <br> Input Report <br> Summary of Results

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.

## Project Data

Project Name: Vista Landfill Redesign
Simulation Description: Pond 9-100 Year / 24 Hour Routing and Recovery Analysis w/ infiltration2nd 100 year storm
Project Number: ..... 10-2141
Engineer : ..... cms
Supervising Engineer: ..... cms
Date: ..... 01-06-2011
Aquifer Data
Base Of Aquifer Elevation, [B] (ft datum): ..... 69.00
Water Table Elevation, [WT (ft datum): ..... 80.60
Horizontal Saturated Hydraulic Conductivity, [Kh] (ft/day): ..... 15.00
Fillable Porosity, [n] (\%): ..... 20.00
Vertical infiltration was not considered.

## Geometry Data

Equivalent Pond Length, [L-] (ft): ..... 1000.0
Equivalent Pond Width, [W] (ft): ..... 50.0
Ground water mound is expected to intersect the pond bottom

## Stage vs Area Data

| Stage <br> (ft datum) | Area <br> $\left(\mathrm{ft}^{2}\right)$ |
| ---: | ---: | ---: |
| 78.00 | 33271.0 |
| 79.00 | 39218.0 |
| 80.00 | 45221.0 |
| 81.00 | 51283.0 |
| 82.00 | 57402.0 |
| 83.00 | 63579.0 |
| 84.00 | 69813.0 |
| 85.00 | 76105.0 |
| 86.00 | 82455.0 |
| 87.00 | 88862.0 |
| 88.00 | 95327.0 |
| 89.00 | 101850.0 |
| 90.00 | 108430.0 |

## Discharge Structures

Discharge Structure \#1 is inactive

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method

Copyright 2003
Devo Seereeram, Ph.D., P.E.

## Discharge Structures (cont'd.)

Discharge Structure \#2 is inactive
Discharge Structure \#3 is inactive

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.

## Scenario Input Data

Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow
Hydrograph Type: Multi-basin SCS Hydrograph

## Modflow Options

| Modflow Routing: | Routed with infiltration |
| :--- | :--- |
| Initial Groundwater Table: | default <br> Initial Pond Stage: |
| Boundary Condition: | default |
| Repetitions: | default (constant head) |
|  | 1 |

## Simulation Parameters

Minimum time of concentration for all contributing basins in chain (minutes): 10
Computational time step (minutes): .5
Duration of simulation (hours): 240

## Contributing Basins

Number of contributing basins: 1

## Basin 1

| Basin Name | da 9 |
| :--- | :--- |
| Basin Area (acres) | 11.14 |
| Time Of Concentration (minutes) | 10 |
| DCIA (\%) | 0 |
| Curve Number | 98 |
| Design Rainfall Depth (inches) | 10.6 |
| Design Rainfall Duration (hours) | 24 |
| Shape Factor | UHG 484 |
| Rainfall Distribution | Orange County 100 Year - 24 Hour |

## Ugradient Inflows

Number of upgradient inflow nodes: 1
Node 1

| Minimum Discharge Rate (cfs): | 0 |
| :--- | :--- |
| Peak Discharge Rate (cfs): | 17.37525 |
| Cumulative Discharge Volume $\left(\mathrm{ft}^{3}\right):$ | 183122.1 |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Summary of Results :: Scenario 1 :: pond 9100 year / 24 hour routing with pond 10 overflow

|  | Time (hours) | Stage (ft datum) | Rate $\left(\mathrm{ft}^{3 / \mathrm{s}}\right)$ | Volume $\left(f^{3}\right)$ |
| :---: | :---: | :---: | :---: | :---: |
| Stage |  |  |  |  |
| Minimum | 0.000 | 80.60 |  |  |
| Maximum | 14.642 | 87.82 |  |  |
| Inflow |  |  |  |  |
| Rate - Maximum - Positive | 9.000 |  | 41.9151 |  |
| Rate - Maximum - Negative | None |  | None |  |
| Cumulative Volume - Maximum Positive | 24.475 |  |  | 602892.1 |
| Cumulative Volume - Maximum Negative | None |  |  | None |
| Cumulative Volume - End of Simulation | 240.000 |  |  | 602892.1 |
| Infiltration |  |  |  |  |
| Rate - Maximum - Positive | 9.108 |  | 2.6476 |  |
| Rate - Maximum - Negative | 0.008 |  | -0.8109 |  |
| Cumulative Volume - Maximum Positive | 240.000 |  |  | 296446.0 |
| Cumulative Volume - Maximum Negative | 0.008 |  |  | -48.8 |
| Cumulative Volume - End of Simulation | 240.000 |  |  | 296446.0 |
| Combined Discharge |  |  |  |  |
| Rate - Maximum - Positive | None |  | None |  |
| Rate - Maximum - Negative | None |  | None |  |
| Cumulative Volume - Maximum Positive | None |  |  | None |
| Cumulative Volume - Maximum Negative | None |  |  | None |
| Cumulative Volume - End of Simulation | 240.000 |  |  | 0.0 |
| Discharge Structure 1 - inactive |  |  |  |  |
| Rate - Maximum - Positive | disabled |  | disabled |  |
| Rate - Maximum - Negative | disabled |  | disabled |  |
| Cumulative Volume - Maximum Positive | disabled |  |  | disabled |
| Cumulative Volume - Maximum Negative | disabled |  |  | disabled |
| Cumulative Volume - End of Simulation | disabled |  |  | disabled |
| Discharge Structure 2 - inactive |  |  |  |  |
| Rate-Maximum - Positive | disabled |  | disabled |  |
| Rate - Maximum - Negative | disabled |  | disabled |  |
| Cumulative Volume - Maximum Positive | disabled |  |  | disabled |
| Cumulative Volume - Maximum Negative | disabled |  |  | disabled |
| Cumulative Volume - End of Simulation | disabled |  |  | disabled |
| Discharge Structure 3 - inactive |  |  |  |  |
| Rate-Maximum - Positive | disabled |  | disabled |  |
| Rate - Maximum - Negative | disabled |  | disabled |  |
| Cumulative Volume - Maximum Positive | disabled |  |  | disabled |
| Cumulative Volume - Maximum Negative | disabled |  |  | disabled |
| Cumulative Volume - End of Simulation | disabled |  |  | disabled |
| Pollution Abatement: |  |  |  |  |
| 36 Hour Stage and Infiltration Volume | N.A. | N.A. |  | N.A. |
| 72 Hour Stage and Infiltration Volume | N.A. | N.A. |  | N.A. |

# PONDS Routing and Recovery Analysis 

## Buildout Results

Pond 10<br>100-year / 24-Hour Storm<br>Input Report Summary of Results<br>Detailed Results

(Pond dry at Hour 183)
(Cut off early due to unnecessary length)

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

## Project Data

| Project Name: | Vista Landfill Redesign |
| :--- | :--- |
| Simulation Description: | Pond 10 <br> 100 Year / 24 Hour Routing and Recovery Analysis w/ infiltration |
| Project Number: | $10-2141$ |
| Engineer : | cms |
| Supervising Engineer: | cms |
| Date: | $01-06-2011$ |

## Aquifer Data

Base Of Aquifer Elevation, $[\mathrm{B}]$ ( ft datum): ..... 74.00
Water Table Elevation, [WT] (ft datum): ..... 79.00
Horizontal Saturated Hydraulic Conductivity, [Kh] (ft/day): ..... 15.00
Fillable Porosity, [ n$]$ (\%): ..... 20.00
Unsaturated Vertical Infiltration Rate, [lv] (ft/day): ..... 5.0
Maximum Area For Unsaturated Infiltration, [Av] ( $\mathrm{ft}^{2}$ ): ..... 35558.0

## Geometry Data

Equivalent Pond Length, $[\mathrm{L}]$ ( ft ): ..... 550.0
Equivalent Pond Width, [W] (ft): ..... 100.0
Ground water mound is expected to intersect the pond bottom

## Stage vs Area Data

| Stage <br> (ft datum) | Area <br> $\left(\mathrm{ft}^{2}\right)$ |  |
| ---: | ---: | ---: |
|  | 82.00 <br> 83.00 | 7463.0 |
| 84.00 | 9361.0 |  |
| 85.00 | 13412.0 |  |
| 86.00 | 16409.0 |  |
| 87.00 | 19461.0 |  |
| 88.00 | 22569.0 |  |
| 89.00 | 25733.0 |  |
| 90.00 | 28952.0 |  |
| 91.00 | 32227.0 |  |
| 92.00 | 35558.0 |  |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

## Discharge Structures

## Discharge Structure \#1 is active as weir

## Structure Parameters

Description: overflow from pond 10
Weir elevation, (ft datum): $\quad 87.5$
Weir coefficient: $\quad 3.15$
Weir length, ( ft ): $\quad 17$
Weir exponent: $\quad 1.5$
Tailwater - disabled, free discharge

## Discharge Structure \#2 is inactive

Discharge Structure \#3 is inactive

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

## Scenario Input Data

## Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

Hydrograph Type: Multi-basin SCS Hydrograph

## Modflow Options

| Modflow Routing: | Routed with infiltration |
| :--- | :--- |
| Initial Groundwater Table: | default |
| Initial Pond Stage: | default |
| Boundary Condition: | default (constant head) |
| Repetitions: | 1 |

## Simulation Parameters

Minimum time of concentration for all contributing basins in chain (minutes): 10
Computational time step (minutes): 5
Duration of simulation (hours): 240
Contributing Basins
Number of contributing basins: 1
Basin 1

| Basin Name | da 10 |
| :--- | :--- |
| Basin Area (acres) | 8.48 |
| Time Of Concentration (minutes) | 10 |
| DCIA (\%) | 0 |
| Curve Number | 98 |
| Design Rainfall Depth (inches) | 10.6 |
| Design Rainfall Duration (hours) | 24 |
| Shape Factor | UHG 484 |
| Rainfall Distribution | Orange County 100 Year - 24 Hour |

## Ugradient Inflows

Number of upgradient inflow nodes: 0

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.

## Summary of Results :: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/overflow



PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results :: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infilkration Rate ( $\mathrm{ft}^{3 / 5}$ ) | Overlow <br> Discharge ( $\mathrm{ft}^{3} \mathrm{~s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume (ft ${ }^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 0.000 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | N.A. |
| 0.008 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.017 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.025 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.033 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.042 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.050 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.058 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.067 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.075 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.083 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.092 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.100 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.108 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.117 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.125 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.133 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.142 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.150 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.158 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.167 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.175 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.183 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.192 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.200 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.208 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.217 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.225 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.233 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.242 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.250 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.258 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.267 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.275 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.283 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.292 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.300 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.308 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.317 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.325 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.333 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0,342 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.350 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.358 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.367 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.375 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.383 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.392 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.400 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.408 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.417 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.425 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.433 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.442 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.450 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.458 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.467 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.475 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.483 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.492 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.500 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.508 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.517 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.525 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.533 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.542 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.550 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.558 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.567 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.575 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.583 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.592 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.600 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.608 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (fiday) | Stage Elevation (fl datum) | Infiltration Rate ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Ovenlow Dischafge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume $\left(\mathrm{ft}^{3}\right)$ | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume (fis) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 0.617 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.625 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.633 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.642 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.650 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.658 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.667 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.675 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.683 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.692 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.700 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.708 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.717 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.725 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.733 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.742 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.750 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.758 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.767 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.775 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.783 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.792 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.800 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.808 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.817 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.825 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.833 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.842 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.850 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.858 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.867 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.875 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.883 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.892 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.900 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.908 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.917 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.925 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.933 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.942 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.950 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.958 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.967 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.975 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.983 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.992 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.000 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.008 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.017 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.025 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.033 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.042 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.050 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.058 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.067 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.075 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.083 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.092 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.100 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.108 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.117 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.125 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.133 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.142 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.150 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.158 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.167 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.175 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.183 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.192 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.200 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.208 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.217 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.225 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |

PONDS Version 3.2.0207

# Retention Pond Recovery - Refined Method Copyright 2003 

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow <br> Rate <br> ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (fv/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 /} \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative infiftration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1.233 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.242 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.250 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.258 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.267 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.275 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.283 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.292 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.300 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.308 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.317 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.325 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.333 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.342 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.350 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.358 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.367 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.375 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.383 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.392 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.400 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.408 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.417 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.425 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.433 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.442 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.450 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.458 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.467 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.475 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.483 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.492 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.500 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.508 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.517 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.525 | 0.0000 | 0.0000 | 79.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.533 | 0.0000 | 0.0000 | 79.000 | 0.00001 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.542 | 0.0000 | 0.0000 | 79.000 | 0.00004 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.550 | 0.0001 | 0.0000 | 79.000 | 0.00010 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.558 | 0.0002 | 0.0000 | 79.000 | 0.00021 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.567 | 0.0004 | 0.0000 | 79.000 | 0.00039 | 0.00000 | 0.0 | 0.0 | 0.0 | 4 |
| 1.575 | 0.0006 | 0.0000 | 79.000 | 0.00068 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.583 | 0.0011 | 0.0000 | 79.000 | 0.00110 | 0.00000 | 0.1 | 0.1 | 0.0 | U |
| 1.592 | 0.0016 | 0.0000 | 79.000 | 0.00169 | 0.00000 | 0.1 | 0.1 | 0.0 | U |
| 1.600 | 0.0024 | 0.0000 | 79.000 | 0.00248 | 0.00000 | 0.2 | 0.2 | 0.0 | U |
| 1.608 | 0.0034 | 0.0000 | 79.000 | 0.00349 | 0.00000 | 0.2 | 0.2 | 0.0 | U |
| 1.617 | 0.0047 | 0.0000 | 79.000 | 0.00475 | 0.00000 | 0.4 | 0.4 | 0.0 | U |
| 1.625 | 0.0062 | 0.0000 | 79.000 | 0.00626 | 0.00000 | 0.5 | 0.5 | 0.0 | U |
| 1.633 | 0.0080 | 0.0000 | 79.000 | 0.00802 | 0.00000 | 0.7 | 0.7 | 0.0 | U |
| 1.642 | 0.0100 | 0.0000 | 79.000 | 0.01003 | 0.00000 | 1.0 | 1.0 | 0.0 | U |
| 1.650 | 0.0122 | 0.0000 | 79.000 | 0.01229 | 0.00000 | 1.3 | 1.3 | 0.0 | U |
| 1.658 | 0.0147 | 0.0000 | 79.000 | 0.01477 | 0.00000 | 1.7 | 1.7 | 0.0 | U |
| 1.667 | 0.0174 | 0.0000 | 79.000 | 0.01747 | 0.00000 | 2.2 | 2.2 | 0.0 | U |
| 1.675 | 0.0203 | 0.0000 | 79.000 | 0.02037 | 0.00000 | 2.8 | 2.8 | 0.0 | U |
| 1.683 | 0.0234 | 0.0000 | 79.000 | 0.02344 | 0.00000 | 3.5 | 3.5 | 0.0 | U |
| 1.692 | 0.0266 | 0.0000 | 79.001 | 0.02667 | 0.00000 | 4.2 | 4.2 | 0.0 | U |
| 1.700 | 0.0300 | 0.0000 | 79.001 | 0.03003 | 0.00000 | 5.1 | 5.1 | 0.0 | U |
| 1.708 | 0.0335 | 0.0000 | 79.001 | 0.03350 | 0.00000 | 6.0 | 6.0 | 0.0 | U |
| 1.717 | 0.0370 | 0.0000 | 79.001 | 0.03706 | 0.00000 | 7.1 | 7.1 | 0.0 | U |
| 1.725 | 0.0407 | 0.0000 | 79.001 | 0.04069 | 0.00000 | 8.2 | 8.2 | 0.0 | U |
| 1.733 | 0.0444 | 0.0000 | 79.001 | 0.04439 | 0.00000 | 9.5 | 9.5 | 0.0 | U |
| 1.742 | 0.0481 | 0.0000 | 79.002 | 0.04812 | 0.00000 | 10.9 | 10.9 | 0.0 | U |
| 1.750 | 0.0519 | 0.0000 | 79.002 | 0.05190 | 0.00000 | 12.4 | 12.4 | 0.0 | U |
| 1.758 | 0.0557 | 0.0000 | 79.002 | 0.05571 | 0.00000 | 14.0 | 14.0 | 0.0 | U |
| 1.767 | 0.0595 | 0.0000 | 79.002 | 0.05954 | 0.00000 | 15.7 | 15.7 | 0.0 | U |
| 1.775 | 0.0634 | 0.0000 | 79.002 | 0.06339 | 0.00000 | 17.6 | 17.6 | 0.0 | U |
| 1.783 | 0.0672 | 0.0000 | 79.003 | 0.06725 | 0.00000 | 19.5 | 19.5 | 0.0 | U |
| 1.792 | 0.0711 | 0.0000 | 79.003 | 0.07111 | 0.00000 | 21.6 | 21.6 | 0.0 | U |
| 1.800 | 0.0750 | 0.0000 | 79.003 | 0.07497 | 0.00000 | 23.8 | 23.8 | 0.0 | U |
| 1.808 | 0.0788 | 0.0000 | 79.004 | 0.07882 | 0.00000 | 26.1 | 26.1 | 0.0 | U |
| 1.817 | 0.0827 | 0.0000 | 79.004 | 0.08267 | 0.00000 | 28.5 | 28.5 | 0.0 | U |
| 1.825 | 0.0865 | 0.0000 | 79.004 | 0.08650 | 0.00000 | 31.1 | 31.1 | 0.0 | U |
| 1.833 | 0.0903 | 0.0000 | 79.005 | 0.09032 | 0.00000 | 33.7 | 33.7 | 0.0 | U |
| 1.842 | 0.0941 | 0.0000 | 79.005 | 0.09413 | 0.00000 | 36.5 | 36.5 | 0.0 | U |

PONDS Version 3.2.0207

# Retention Pond Recovery - Refined Method <br> Copyright 2003 

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (fl datum) | Infiltration Rate (f $\mathrm{fl}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{t}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{t}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t} \mathrm{t}^{3}$ ) | $\begin{aligned} & \text { Flow } \\ & \text { Type } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\ddagger .850$ | 0.0979 | 0.0000 | 79.006 | 0.09791 | 0.00000 | 39.4 | 39.4 | 0.0 | U |
| 1.858 | 0.1017 | 0.0000 | 79.006 | 0.10168 | 0.00000 | 42.4 | 42.4 | 0.0 | U |
| 1.867 | 0.1054 | 0.0000 | 79.006 | 0.10542 | 0.00000 | 45.5 | 45.5 | 0.0 | U |
| 1.875 | 0.1092 | 0.0000 | 79.007 | 0.10915 | 0.00000 | 48.7 | 48.7 | 0.0 | U |
| 1.883 | 0.1128 | 0.0000 | 79.007 | 0.11284 | 0.00000 | 52.0 | 52.0 | 0.0 | U |
| 1.892 | 0.1165 | 0.0000 | 79.008 | 0.11651 | 0.00000 | 55.5 | 55.5 | 0.0 | U |
| 1.900 | 0.1202 | 0.0000 | 79.008 | 0.12016 | 0.00000 | 59.0 | 59.0 | 0.0 | U |
| 1.908 | 0.1238 | 0.0000 | 79.009 | 0.12378 | 0.00000 | 62.7 | 62.7 | 0.0 | U |
| 1.917 | 0.1274 | 0.0000 | 79.009 | 0.12737 | 0.00000 | 66.4 | 66.4 | 0.0 | U |
| 1.925 | 0.1309 | 0.0000 | 79.010 | 0.13094 | 0.00000 | 70.3 | 70.3 | 0.0 | U |
| 1.933 | 0.1345 | 0.0000 | 79.010 | 0.13448 | 0.00000 | 74.3 | 74.3 | 0.0 | U |
| 1.942 | 0.1380 | 0.0000 | 79.011 | 0.13799 | 0.00000 | 78.4 | 78.4 | 0.0 | U |
| 1.950 | 0.1415 | 0.0000 | 79.012 | 0.14147 | 0.00000 | 82.6 | 82.6 | 0.0 | U |
| 1.958 | 0.1449 | 0.0000 | 79.012 | 0.14492 | 0.00000 | 86.9 | 86.9 | 0.0 | U |
| 1.967 | 0.1484 | 0.0000 | 79.013 | 0.14835 | 0.00000 | 91.3 | 91.3 | 0.0 | U |
| 1.975 | 0.1518 | 0.0000 | 79.013 | 0.15175 | 0.00000 | 95.8 | 95.8 | 0.0 | U |
| 1.983 | 0.1551 | 0.0000 | 79.014 | 0.15512 | 0.00000 | 100.4 | 100.4 | 0.0 | U |
| 1.992 | 0.1585 | 0.0000 | 79.015 | 0.15849 | 0.00000 | 105.1 | 105.1 | 0.0 | U |
| 2.000 | 0.1619 | 0.0000 | 79.015 | 0.16194 | 0.00000 | 109.9 | 109.9 | 0.0 | U |
| 2.008 | 0.1655 | 0.0000 | 79.016 | 0.16558 | 0.00000 | 114.8 | 114.8 | 0.0 | U |
| 2.017 | 0.1694 | 0.0000 | 79.017 | 0.16949 | 0.00000 | 119.8 | 119.8 | 0.0 | U |
| 2.025 | 0.1736 | 0.0000 | 79.018 | 0.17375 | 0.00000 | 125.0 | 125.0 | 0.0 | U |
| 2.033 | 0.1783 | 0.0000 | 79.018 | 0.17848 | 0.00000 | 130.2 | 130.2 | 0.0 | U |
| 2.042 | 0.1836 | 0.0000 | 79.019 | 0.18379 | 0.00000 | 135.7 | 135.7 | 0.0 | U |
| 2.050 | 0.1896 | 0.0000 | 79.020 | 0.18978 | 0.00000 | 141.3 | 141.3 | 0.0 | U |
| 2.058 | 0.1963 | 0.0000 | 79.021 | 0.19652 | 0.00000 | 147.1 | 147.1 | 0.0 | U |
| 2.067 | 0.2038 | 0.0000 | 79.022 | 0.20395 | 0.00000 | 153.1 | 153.1 | 0.0 | U |
| 2.075 | 0.2119 | 0.0000 | 79.022 | 0.21198 | 0.00000 | 159.3 | 159.3 | 0.0 | U |
| 2.083 | 0.2204 | 0.0000 | 79.023 | 0.22048 | 0.00000 | 165.8 | 165.8 | 0.0 | U |
| 2.092 | 0.2293 | 0.0000 | 79.024 | 0.22933 | 0.00000 | 172.5 | 172.5 | 0.0 | U |
| 2.100 | 0.2383 | 0.0000 | 79.025 | 0.23837 | 0.00000 | 179.5 | 179.5 | 0.0 | U |
| 2.108 | 0.2475 | 0.0000 | 79.026 | 0.24753 | 0.00000 | 186.8 | 186.8 | 0.0 | U |
| 2.117 | 0.2567 | 0.0000 | 79.027 | 0.25669 | 0.00000 | 194.4 | 194.4 | 0.0 | U |
| 2.125 | 0.2658 | 0.0000 | 79.028 | 0.26577 | 0.00000 | 202.2 | 202.2 | 0.0 | U |
| 2.133 | 0.2747 | 0.0000 | 79.030 | 0.27469 | 0.00000 | 210.3 | 210.3 | 0.0 | U |
| 2.142 | 0.2835 | 0.0000 | 79.031 | 0.28340 | 0.00000 | 218.7 | 218.7 | 0.0 | U |
| 2.150 | 0.2919 | 0.0000 | 79.032 | 0.29186 | 0.00000 | 227.3 | 227.3 | 0.0 | U |
| 2.158 | 0.3001 | 0.0000 | 79.033 | 0.30001 | 0.00000 | 236.2 | 236.2 | 0.0 | U |
| 2.167 | 0.3079 | 0.0000 | 79.035 | 0.30778 | 0.00000 | 245.3 | 245.3 | 0.0 | U |
| 2.175 | 0.3153 | 0.0000 | 79.036 | 0.31519 | 0.00000 | 254.7 | 254.7 | 0.0 | U |
| 2.183 | 0.3223 | 0.0000 | 79.037 | 0.32228 | 0.00000 | 264.3 | 264.3 | 0.0 | U |
| 2.192 | 0.3292 | 0.0000 | 79.039 | 0.32911 | 0.00000 | 274.0 | 274.0 | 0.0 | U |
| 2.200 | 0.3358 | 0.0000 | 79.040 | 0.33299 | 0.00000 | 284.0 | 284.0 | 0.0 | U |
| 2.208 | 0.3422 | 0.0000 | 82.000 | 0.33351 | 0.00000 | 294.2 | 294.0 | 0.0 | U/P |
| 2.217 | 0.3484 | 0.0000 | 82.000 | 0.33351 | 0.00000 | 304.5 | 304.0 | 0.0 | U/P |
| 2.225 | 0.3544 | 0.0000 | 82.000 | 0.33352 | 0.00000 | 315.1 | 314.0 | 0.0 | U/P |
| 2.233 | 0.3603 | 0.0000 | 82.000 | 0.33353 | 0.00000 | 325.8 | 324.0 | 0.0 | U/P |
| 2.242 | 0.3661 | 0.0000 | 82.000 | 0.33354 | 0.00000 | 336.7 | 334.0 | 0.0 | U/P |
| 2.250 | 0.3717 | 0.0000 | 82.001 | 0.33356 | 0.00000 | 347.8 | 344.0 | 0.0 | U/P |
| 2.258 | 0.3772 | 0.0000 | 82.001 | 0.33358 | 0.00000 | 359.0 | 354.0 | 0.0 | U/P |
| 2.267 | 0.3825 | 0.0000 | 82.001 | 0.33360 | 0.00000 | 370.4 | 364.1 | 0.0 | U/P |
| 2.275 | 0.3878 | 0.0000 | 82.001 | 0.33363 | 0.00000 | 381.9 | 374.1 | 0.0 | U/P |
| 2.283 | 0.3930 | 0.0000 | 82.002 | 0.33366 | 0.00000 | 393.6 | 384.1 | 0.0 | U/P |
| 2.292 | 0.3980 | 0.0000 | 82.002 | 0.33369 | 0.00000 | 405.5 | 394.1 | 0.0 | U/P |
| 2.300 | 0.4030 | 0.0000 | 82.002 | 0.33372 | 0.00000 | 417.5 | 404.1 | 0.0 | U/P |
| 2.308 | 0.4079 | 0.0000 | 82.003 | 0.33375 | 0.00000 | 429.7 | 414.1 | 0.0 | U/P |
| 2.317 | 0.4127 | 0.0000 | 82.003 | 0.33379 | 0.00000 | 442.0 | 424.1 | 0.0 | U/P |
| 2.325 | 0.4174 | 0.0000 | 82.004 | 0.33383 | 0.00000 | 454.5 | 434.1 | 0.0 | U/P |
| 2.333 | 0.4220 | 0.0000 | 82.004 | 0.33388 | 0.00000 | 467.0 | 444.1 | 0.0 | U/P |
| 2.342 | 0.4266 | 0.0000 | 82.004 | 0.33392 | 0.00000 | 479.8 | 454.2 | 0.0 | U/P |
| 2.350 | 0.4311 | 0.0000 | 82.005 | 0.33397 | 0.00000 | 492.6 | 464.2 | 0.0 | U/P |
| 2.358 | 0.4356 | 0.0000 | 82.005 | 0.33402 | 0.00000 | 505.6 | 474.2 | 0.0 | U/P |
| 2.367 | 0.4400 | 0.0000 | 82.006 | 0.33407 | 0.00000 | 518.8 | 484.2 | 0.0 | U/P |
| 2.375 | 0.4443 | 0.0000 | 82.007 | 0.33412 | 0.00000 | 532.0 | 494.2 | 0.0 | U/P |
| 2.383 | 0.4486 | 0.0000 | 82.007 | 0.33418 | 0.00000 | 545.4 | 504.3 | 0.0 | U/P |
| 2.392 | 0.4528 | 0.0000 | 82.008 | 0.33424 | 0.00000 | 559.0 | 514.3 | 0.0 | U/P |
| 2.400 | 0.4570 | 0.0000 | 82.008 | 0.33430 | 0.00000 | 572.6 | 524.3 | 0.0 | U/P |
| 2.408 | 0.4611 | 0.0000 | 82.009 | 0.33436 | 0.00000 | 586.4 | 534.4 | 0.0 | U/P |
| 2.417 | 0.4651 | 0.0000 | 82.010 | 0.33443 | 0.00000 | 600.3 | 544.4 | 0.0 | U/P |
| 2.425 | 0.4692 | 0.0000 | 82.010 | 0.33449 | 0.00000 | 614.3 | 554.4 | 0.0 | U/P |
| 2.433 | 0.4731 | 0.0000 | 82.011 | 0.33456 | 0.00000 | 628.4 | 564.5 | 0.0 | U/P |
| 2.442 | 0,4770 | 0.0000 | 82.012 | 0.33463 | 0.00000 | 642.7 | 574.5 | 0.0 | U/P |
| 2.450 | 0.4809 | 0.0000 | 82.013 | 0.33470 | 0.00000 | 657.0 | 584.5 | 0.0 | U/P |
| 2.458 | 0.4847 | 0.0000 | 82.013 | 0.33478 | 0.00000 | 671.5 | 594.6 | 0.0 | U/P |

Vista Landfill Redesign

PONDS Version 3.2.0207

# Retention Pond Recovery - Refined Method <br> Copyright 2003 

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infilitration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume (ft ${ }^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2.467 | 0.4885 | 0.0000 | 82.014 | 0.33485 | 0.00000 | 686.1 | 604.6 | 0.0 | U/P |
| 2.475 | 0.4923 | 0.0000 | 82.015 | 0.33493 | 0.00000 | 700.8 | 614.7 | 0.0 | U/P |
| 2.483 | 0.4960 | 0.0000 | 82.016 | 0.33501 | 0.00000 | 715.7 | 624.7 | 0.0 | U/P |
| 2.492 | 0.4996 | 0.0000 | 82.017 | 0.33509 | 0.00000 | 730.6 | 634.8 | 0.0 | U/P |
| 2.500 | 0.5034 | 0.0000 | 82.017 | 0.33518 | 0.00000 | 745.6 | 644.8 | 0.0 | U/P |
| 2.508 | 0.5074 | 0.0000 | 82.018 | 0.33526 | 0.00000 | 760.8 | 654.9 | 0.0 | U/P |
| 2.517 | 0.5119 | 0.0000 | 82.019 | 0.33535 | 0.00000 | 776.1 | 664.9 | 0.0 | U/P |
| 2.525 | 0.5171 | 0.0000 | 82.020 | 0.33544 | 0.00000 | 791.5 | 675.0 | 0.0 | U/P |
| 2.533 | 0.5230 | 0.0000 | 82.021 | 0.33553 | 0.00000 | 807.1 | 685.1 | 0.0 | U/P |
| 2.542 | 0.5300 | 0.0000 | 82.022 | 0.33563 | 0.00000 | 822.9 | 695.1 | 0.0 | U/P |
| 2.550 | 0.5382 | 0.0000 | 82.023 | 0.33573 | 0.00000 | 838.9 | 705.2 | 0.0 | U/P |
| 2.558 | 0.5479 | 0.0000 | 82.024 | 0.33583 | 0.00000 | 855.2 | 715.3 | 0.0 | U/P |
| 2.567 | 0.5590 | 0.0000 | 82.025 | 0.33594 | 0.00000 | 871.8 | 725.3 | 0.0 | U/P |
| 2.575 | 0.5713 | 0.0000 | 82.027 | 0.33605 | 0.00000 | 888.8 | 735.4 | 0.0 | U/P |
| 2.583 | 0.5845 | 0.0000 | 82.028 | 0.33617 | 0.00000 | 906.1 | 745.5 | 0.0 | U/P |
| 2.592 | 0.5984 | 0.0000 | 82.029 | 0.33630 | 0.00000 | 923.9 | 755.6 | 0.0 | U/P |
| 2.600 | 0.6127 | 0.0000 | 82.030 | 0.33643 | 0.00000 | 942.0 | 765.7 | 0.0 | U/P |
| 2.608 | 0.6271 | 0.0000 | 82.032 | 0.33657 | 0.00000 | 960.6 | 775.8 | 0.0 | U/P |
| 2.617 | 0.6415 | 0.0000 | 82.033 | 0.33672 | 0.00000 | 979.7 | 785.9 | 0.0 | U/P |
| 2.625 | 0.6556 | 0.0000 | 82.035 | 0.33687 | 0.00000 | 999.1 | 796.0 | 0.0 | U/P |
| 2.633 | 0.6693 | 0.0000 | 82.037 | 0.33703 | 0.00000 | 1019.0 | 806.1 | 0.0 | U/P |
| 2.642 | 0.6824 | 0.0000 | 82.038 | 0.33720 | 0.00000 | 1039.3 | 816.2 | 0.0 | U/P |
| 2.650 | 0.6950 | 0.0000 | 82.040 | 0.33738 | 0.00000 | 1059.9 | 826.3 | 0.0 | U/P |
| 2.658 | 0.7069 | 0.0000 | 82.042 | 0.33756 | 0.00000 | 1087.0 | 836.5 | 0.0 | U/P |
| 2.667 | 0.7180 | 0.0000 | 82.044 | 0.33774 | 0.00000 | \$102.3 | 846.6 | 0.0 | U/P |
| 2.675 | 0.7282 | 0.0000 | 82.046 | 0.33793 | 0.00000 | 1124.0 | 856.7 | 0.0 | U/P |
| 2.683 | 0.7377 | 0.0000 | 82.048 | 0.33813 | 0.00000 | 1146.0 | 866.9 | 0.0 | U/P |
| 2.692 | 0.7465 | 0.0000 | 82.050 | 0.33833 | 0.00000 | 1168.3 | 877.0 | 0.0 | U/P |
| 2.700 | 0.7548 | 0.0000 | 82.052 | 0.33854 | 0.00000 | 1190.8 | 887.2 | 0.0 | U/P |
| 2.708 | 0.7627 | 0.0000 | 82.054 | 0.33875 | 0.00000 | 1213.6 | 897.3 | 0.0 | U/P |
| 2.717 | 0.7702 | 0.0000 | 82.057 | 0.33896 | 0.00000 | 1236.6 | 907.5 | 0.0 | U/P |
| 2.725 | 0.7773 | 0.0000 | 82.059 | 0.33918 | 0.00000 | 1259.8 | 917.7 | 0.0 | U/P |
| 2.733 | 0.7841 | 0.0000 | 82.061 | 0.33840 | 0.00000 | 1283.2 | 927.8 | 0.0 | U/P |
| 2.742 | 0.7906 | 0.0000 | 82.063 | 0.33962 | 0.00000 | $\$ 306.8$ | 938.0 | 0.0 | U/P |
| 2.750 | 0.7969 | 0.0000 | 82.066 | 0.33985 | 0.00000 | 1330.6 | 948.2 | 0.0 | U/P |
| 2.758 | 0.8029 | 0.0000 | 82.068 | 0.34008 | 0.00000 | 1354.6 | 958.4 | 0.0 | U/P |
| 2.767 | 0.8086 | 0.0000 | 82.070 | 0.34031 | 0.00000 | 1378.8 | 968.6 | 0.0 | U/P |
| 2.775 | 0.8142 | 0.0000 | 82.073 | 0.34054 | 0.00000 | 1403.1 | 978.8 | 0.0 | U/P |
| 2.783 | 0.8196 | 0.0000 | 82.075 | 0.34078 | 0.00000 | 1427.6 | 989.0 | 0.0 | U/P |
| 2.792 | 0.8248 | 0.0000 | 82.078 | 0.34102 | 0.00000 | 1452.3 | 999.3 | 0.0 | U/P |
| 2.800 | 0.8298 | 0.0000 | 82.080 | 0.34126 | 0.00000 | 1477.1 | 1009.5 | 0.0 | U/P |
| 2.808 | 0.8347 | 0.0000 | 82.083 | 0.34151 | 0.00000 | 1502.1 | 1019.8 | 0.0 | U/P |
| 2.817 | 0.8395 | 0.0000 | 82.085 | 0.34175 | 0.00000 | 1527.2 | 1030.0 | 0.0 | U/P |
| 2.825 | 0.8442 | 0.0000 | 82.088 | 0.34200 | 0.00000 | 1552.5 | 1040.3 | 0.0 | U/P |
| 2.833 | 0.8487 | 0.0000 | 82.090 | 0.34225 | 0.00000 | 1577.9 | 1050.5 | 0.0 | U/P |
| 2.842 | 0.8531 | 0.0000 | 82.093 | 0.34250 | 0.00000 | 1603.4 | 1060.8 | 0.0 | U/P |
| 2.850 | 0.8575 | 0.0000 | 82.095 | 0.34276 | 0.00000 | 1629.0 | 1071.1 | 0.0 | U/P |
| 2.858 | 0.8617 | 0.0000 | 82.098 | 0.34301 | 0.00000 | 1654.8 | 1081.4 | 0.0 | U/P |
| 2.867 | 0.8659 | 0.0000 | 82.101 | 0.34327 | 0.00000 | 1680.7 | 1091.7 | 0.0 | U/P |
| 2.875 | 0.8700 | 0.0000 | 82.103 | 0.34353 | 0.00000 | 1706.8 | 1102.0 | 0.0 | U/P |
| 2.883 | 0.8740 | 0.0000 | 82.106 | 0.34379 | 0.00000 | 1732.9 | 1112.3 | 0.0 | U/P |
| 2.892 | 0.8779 | 0.0000 | 82.109 | 0.34405 | 0.00000 | 1759.2 | 1122.6 | 0.0 | U/P |
| 2.900 | 0.8818 | 0.0000 | 82.111 | 0.34432 | 0.00000 | 1785.6 | 1132.9 | 0.0 | U/P |
| 2.908 | 0.8856 | 0.0000 | 82.114 | 0.34458 | 0.00000 | 1812.1 | 1143.2 | 0.0 | U/P |
| 2.917 | 0.8894 | 0.0000 | 82.117 | 0.34485 | 0.00000 | 1838.7 | 1153.6 | 0.0 | U/P |
| 2.925 | 0.8931 | 0.0000 | 82.120 | 0.34512 | 0.00000 | 1865.5 | 1163.9 | 0.0 | U/P |
| 2.933 | 0.8967 | 0.0000 | 82.122 | 0.34539 | 0.00000 | 1892.3 | 1174.3 | 0.0 | U/P |
| 2.942 | 0.9003 | 0.0000 | 82.125 | 0.34566 | 0.00000 | 1919.3 | 1184.7 | 0.0 | U/P |
| 2.950 | 0.9039 | 0.0000 | 82.128 | 0.34594 | 0.00000 | 1946.4 | 1195.0 | 0.0 | U/P |
| 2.958 | 0.9073 | 0.0000 | 82.131 | 0.34621 | 0.00000 | 1973.5 | 1205.4 | 0.0 | U/P |
| 2.967 | 0.9108 | 0.0000 | 82.134 | 0.34649 | 0.00000 | 2000.8 | 1215.8 | 0.0 | U/P |
| 2.975 | 0.9142 | 0.0000 | 82.136 | 0.34676 | 0.00000 | 2028.2 | 1226.2 | 0.0 | U/P |
| 2.983 | 0.9176 | 0.0000 | 82.139 | 0.34704 | 0.00000 | 2055.6 | 1236.6 | 0.0 | U/P |
| 2.992 | 0.9209 | 0.0000 | 82.142 | 0.34732 | 0.00000 | 2083.2 | 1247.0 | 0.0 | U/P |
| 3.000 | 0.9241 | 0.0000 | 82.145 | 0.34761 | 0.00000 | 2110.9 | 1257.4 | 0.0 | U/P |
| 3.008 | 0.9283 | 0.0000 | 82.148 | 0.34789 | 0.00000 | 2138.7 | 1267.9 | 0.0 | U/P |
| 3.017 | 0.9341 | 0.0000 | 82.151 | 0.34817 | 0.00000 | 2166.6 | 1278.3 | 0.0 | U/P |
| 3.025 | 0.9424 | 0.0000 | 82.154 | 0.34846 | 0.00000 | 2194.8 | 1288.8 | 0.0 | U/P |
| 3.033 | 0.9533 | 0.0000 | 82.157 | 0.34875 | 0.00000 | 2223.2 | 1299.2 | 0.0 | U/P |
| 3.042 | 0.9681 | 0.0000 | 82.160 | 0.34905 | 0.00000 | 2252.0 | 1309.7 | 0.0 | U/P |
| 3.050 | 0.9873 | 0.0000 | 82.163 | 0.34935 | 0.00000 | 2281.4 | 1320.2 | 0.0 | U/P |
| 3.058 | 1.0119 | 0.0000 | 82.166 | 0.34966 | 0.00000 | 2311.3 | 1330.7 | 0.0 | U/P |
| 3.067 | 1.0425 | 0.0000 | 82.169 | 0.34998 | 0.00000 | 2342.2 | 1341.1 | 0.0 | U/P |
| 3.075 | 1.0782 | 0.0000 | 82.173 | 0.35032 | 0.00000 | 2374.0 | 1351.7 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate (fis/s) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate (fis/s) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{H}^{3}$ ) | Cumulative Infiltration Volume (f13) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 3.083 | 1.1180 | 0.0000 | 82.177 | 0.35068 | 0.00000 | 2406.9 | 1362.2 | 0.0 | U/P |
| 3.092 | 1.1609 | 0.0000 | 82.181 | 0.35105 | 0.00000 | 2441.1 | 1372.7 | 0.0 | U/P |
| 3.100 | 1.2059 | 0.0000 | 82.185 | 0.35144 | 0.00000 | 2476.6 | 1383.2 | 0.0 | U/P |
| 3.108 | 1.2514 | 0.0000 | 82.189 | 0.35186 | 0.00000 | 2513.5 | 1393.8 | 0.0 | U/P |
| 3.117 | 1.2970 | 0.0000 | 82.194 | 0.35229 | 0.00000 | 2551.7 | 1404.3 | 0.0 | U/P |
| 3.125 | 1.3421 | 0.0000 | 82.198 | 0.35275 | 0.00000 | 2591.3 | 1414.9 | 0.0 | U/P |
| 3.133 | 1.3855 | 0.0000 | 82.203 | 0.35323 | 0.00000 | 2632.2 | 1425.5 | 0.0 | U/P |
| 3.142 | 1.4270 | 0.0000 | 82.208 | 0.35373 | 0.00000 | 2674.4 | 1436.1 | 0.0 | U/P |
| 3.150 | 1.4663 | 0.0000 | 82.214 | 0.35424 | 0.00000 | 2717.8 | 1446.7 | 0.0 | U/P |
| 3.158 | 1.5030 | 0.0000 | 82.219 | 0.35478 | 0.00000 | 2762.3 | 1457.4 | 0.0 | U/P |
| 3.167 | 1.5368 | 0.0000 | 82.225 | 0.35533 | 0.00000 | 2807.9 | 1468.0 | 0.0 | U/P |
| 3.175 | 1.5671 | 0.0000 | 82.231 | 0.35589 | 0.00000 | 2854.5 | 1478.7 | 0.0 | U/P |
| 3.183 | 1.5941 | 0.0000 | 82.237 | 0.35647 | 0.00000 | 2901.9 | 1489.4 | 0.0 | U/P |
| 3.192 | 1.6183 | 0.0000 | 82.243 | 0.35706 | 0.00000 | 2950.1 | 1500.1 | 0.0 | U/P |
| 3.200 | 1.6405 | 0.0000 | 82.249 | 0.35767 | 0.00000 | 2999.0 | 1510.8 | 0.0 | U/P |
| 3.208 | 1.6608 | 0.0000 | 82.255 | 0.35828 | 0.00000 | 3048.5 | 1521.5 | 0.0 | U/P |
| 3.217 | 1.6795 | 0.0000 | 82.262 | 0.35890 | 0.00000 | 3098.6 | 1532.3 | 0.0 | U/P |
| 3.225 | 1.6968 | 0.0000 | 82.268 | 0.35952 | 0.00000 | 3149.2 | 1543.1 | 0.0 | U/P |
| 3.233 | 1.7129 | 0.0000 | 82.275 | 0.36016 | 0.00000 | 3200.4 | 1553.9 | 0.0 | U/P |
| 3.242 | 1.7278 | 0.0000 | 82.281 | 0.36080 | 0.00000 | 3252.0 | 1564.7 | 0.0 | U/P |
| 3.250 | 1.7418 | 0.0000 | 82.288 | 0.36144 | 0.00000 | 3304.0 | 1575.5 | 0.0 | U/P |
| 3.258 | 1.7547 | 0.0000 | 82.294 | 0.36209 | 0.00000 | 3356.5 | 1586.4 | 0.0 | U/P |
| 3.267 | 1.7667 | 0.0000 | 82.301 | 0.36275 | 0.00000 | 3409.3 | 1597.2 | 0.0 | U/P |
| 3.275 | 1.7781 | 0.0000 | 82.308 | 0.36341 | 0.00000 | 3462.5 | 1608.1 | 0.0 | U/P |
| 3.283 | 1.7887 | 0.0000 | 82.315 | 0.36407 | 0.00000 | 3516.0 | 1619.0 | 0.0 | U/P |
| 3.292 | 1.7988 | 0.0000 | 82.321 | 0.36474 | 0.00000 | 3569.8 | 1630.0 | 0.0 | U/P |
| 3.300 | 1.8083 | 0.0000 | 82.328 | 0.36540 | 0.00000 | 3623.9 | 1640.9 | 0.0 | U/P |
| 3.308 | 1.8172 | 0.0000 | 82.335 | 0.36608 | 0.00000 | 3678.3 | 1651.9 | 0.0 | U/P |
| 3.317 | 1.8258 | 0.0000 | 82.342 | 0.36675 | 0.00000 | 3732.9 | 1662.9 | 0.0 | U/P |
| 3.325 | 1.8339 | 0.0000 | 82.349 | 0.36743 | 0.00000 | 3787.8 | 1673.9 | 0.0 | U/P |
| 3.333 | 1.8416 | 0.0000 | 82.356 | 0.36811 | 0.00000 | 3842.9 | 1684.9 | 0.0 | U/P |
| 3.342 | 1.8490 | 0.0000 | 82.363 | 0.36879 | 0.00000 | 3898.3 | 1696.0 | 0.0 | U/P |
| 3.350 | 1.8562 | 0.0000 | 82.370 | 0.36948 | 0.00000 | 3953.9 | 1707.1 | 0.0 | U/P |
| 3.358 | 1.8630 | 0.0000 | 82.377 | 0.37016 | 0.00000 | 4009.7 | 1718.2 | 0.0 | U/P |
| 3.367 | 1.8696 | 0.0000 | 82.384 | 0.37085 | 0.00000 | 4065.7 | 1729.3 | 0.0 | U/P |
| 3.375 | 1.8759 | 0.0000 | 82.391 | 0.37154 | 0.00000 | 4121.8 | 1740.4 | 0.0 | U/P |
| 3.383 | 1.8821 | 0.0000 | 82.398 | 0.37223 | 0.00000 | 4178.2 | 1751.6 | 0.0 | U/P |
| 3.392 | 1.8881 | 0.0000 | 82.405 | 0.37292 | 0.00000 | 4234.8 | 1762.7 | 0.0 | U/P |
| 3.400 | 1.8938 | 0.0000 | 82.412 | 0.37361 | 0.00000 | 4291.5 | 1773.9 | 0.0 | U/P |
| 3.408 | 1.8994 | 0.0000 | 82.419 | 0.37430 | 0.00000 | 4348.4 | 1785.2 | 0.0 | U/P |
| 3.417 | 1.9049 | 0.0000 | 82.426 | 0.37500 | 0.00000 | 4405.4 | 1796.4 | 0.0 | U/P |
| 3.425 | 1.9102 | 0.0000 | 82.433 | 0.37569 | 0.00000 | 4462.7 | 1807.7 | 0.0 | U/P |
| 3.433 | 1.9153 | 0.0000 | 82.440 | 0.37639 | 0.00000 | 4520.1 | 1818.9 | 0.0 | U/P |
| 3.442 | 1.9204 | 0.0000 | 82.447 | 0.37708 | 0.00000 | 4577.6 | 1830.2 | 0.0 | U/P |
| 3.450 | 1.9253 | 0.0000 | 82.454 | 0.37778 | 0.00000 | 4635.3 | 1841.6 | 0.0 | U/P |
| 3.458 | 1.9301 | 0.0000 | 82.461 | 0.37848 | 0.00000 | 4693.1 | 1852.9 | 0.0 | U/P |
| 3.467 | 1.9348 | 0.0000 | 82.469 | 0.37918 | 0.00000 | 4751.1 | 1864.3 | 0.0 | U/P |
| 3.475 | 1.9395 | 0.0000 | 82.476 | 0.37988 | 0.00000 | 4809.2 | 1875.7 | 0.0 | U/P |
| 3.483 | 1.9440 | 0.0000 | 82.483 | 0.38057 | 0.00000 | 4867.4 | 1887.1 | 0.0 | U/P |
| 3.492 | 1.9484 | 0.0000 | 82.490 | 0.38127 | 0.00000 | 4925.8 | 1898.5 | 0.0 | U/P |
| 3.500 | 1.9528 | 0.0000 | 82.497 | 0.38197 | 0.00000 | 4984.4 | 1909.9 | 0.0 | U/P |
| 3.508 | 1.9572 | 0.0000 | 82.504 | 0.38267 | 0.00000 | 5043.0 | 1921.4 | 0.0 | U/P |
| 3.517 | 1.9621 | 0.0000 | 82.511 | 0.38338 | 0.00000 | 5101.8 | 1932.9 | 0.0 | U/P |
| 3.525 | 1.9677 | 0.0000 | 82.519 | 0.38408 | 0.00000 | 5160.7 | 1944.4 | 0.0 | U/P |
| 3.533 | 1.9743 | 0.0000 | 82.526 | 0.38478 | 0.00000 | 5219.9 | 1955.9 | 0.0 | U/P |
| 3.542 | 1.9821 | 0.0000 | 82.533 | 0.38548 | 0.00000 | 5279.2 | 1967.5 | 0.0 | U/P |
| 3.550 | 1.9914 | 0.0000 | 82.540 | 0.38619 | 0.00000 | 5338.8 | 1979.1 | 0.0 | U/P |
| 3.558 | 2.0026 | 0.0000 | 82.547 | 0.38690 | 0.00000 | 5398.7 | 1990.7 | 0.0 | U/P |
| 3.567 | 2.0159 | 0.0000 | 82.555 | 0.38761 | 0.00000 | 5459.0 | 2002.3 | 0.0 | U/P |
| 3.575 | 2.0314 | 0.0000 | 82.562 | 0.38832 | 0.00000 | 5519.7 | 2013.9 | 0.0 | U/P |
| 3.583 | 2.0486 | 0.0000 | 82.569 | 0.38905 | 0.00000 | 5580.9 | 2025.6 | 0.0 | U/P |
| 3.592 | 2.0671 | 0.0000 | 82.577 | 0.38977 | 0.00000 | 5642.6 | 2037.3 | 0.0 | U/P |
| 3.600 | 2.0865 | 0.0000 | 82.584 | 0.39051 | 0.00000 | 5705.0 | 2049.0 | 0.0 | U/P |
| 3.608 | 2.1064 | 0.0000 | 82.592 | 0.39125 | 0.00000 | 5767.8 | 2060.7 | 0.0 | U/P |
| 3.617 | 2.1262 | 0.0000 | 82.599 | 0.39199 | 0.00000 | 5831.3 | 2072.5 | 0.0 | U/P |
| 3.625 | 2.1459 | 0.0000 | 82.607 | 0.39275 | 0.00000 | 5895.4 | 2084.2 | 0.0 | U/P |
| 3.633 | 2.1651 | 0.0000 | 82.615 | 0.39351 | 0.00000 | 5960.1 | 2096.0 | 0.0 | U/P |
| 3.642 | 2.1835 | 0.0000 | 82.623 | 0.39427 | 0.00000 | 6025.3 | 2107.8 | 0.0 | U/P |
| 3.650 | 2.2009 | 0.0000 | 82.631 | 0.39505 | 0.00000 | 6091.1 | 2119.7 | 0.0 | U/P |
| 3.658 | 2.2174 | 0.0000 | 82.639 | 0.39582 | 0.00000 | 6157.3 | 2131.5 | 0.0 | U/P |
| 3.667 | 2.2327 | 0.0000 | 82.647 | 0.39661 | 0.00000 | 6224.1 | 2143.4 | 0.0 | U/P |
| 3.675 | 2.2467 | 0.0000 | 82.655 | 0.39740 | 0.00000 | 6291.3 | 2155.3 | 0.0 | U/P |
| 3.683 | 2.2592 | 0.0000 | 82.663 | 0.39819 | 0.00000 | 6358.9 | 2167.3 | 0.0 | U/P |
| 3.692 | 2.2706 | 0.0000 | 82.671 | 0.39898 | 0.00000 | 6426.8 | 2179.2 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (It/day) | Stage Elevation (ft datum) | Inflitration Rate ( $\mathrm{ft}^{3 / 1 /}$ ) | Overflow Discharge ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 3.700 | 2.2809 | 0.0000 | 82.679 | 0.39978 | 0.00000 | 6495.1 | 2191.2 | 0.0 | U/P |
| 3.708 | 2.2905 | 0.0000 | 82.687 | 0.40058 | 0.00000 | 6563.7 | 2203.2 | 0.0 | U/P |
| 3.717 | 2.2993 | 0.0000 | 82.695 | 0.40139 | 0.00000 | 6632.5 | 2215.2 | 0.0 | U/P |
| 3.725 | 2.3075 | 0.0000 | 82.704 | 0.40219 | 0.00000 | 6701.6 | 2227.3 | 0.0 | U/P |
| 3.733 | 2.3151 | 0.0000 | 82.712 | 0.40300 | 0.00000 | 6771.0 | 2239.4 | 0.0 | U/P |
| 3.742 | 2.3223 | 0.0000 | 82.720 | 0.40381 | 0.00000 | 6840.5 | 2251.5 | 0.0 | U/P |
| 3.750 | 2.3290 | 0.0000 | 82.728 | 0.40462 | 0.00000 | 6910.3 | 2263.6 | 0.0 | U/P |
| 3.758 | 2.3353 | 0.0000 | 82.736 | 0.40543 | 0.00000 | 6980.3 | 2275.7 | 0.0 | U/P |
| 3.767 | 2.3412 | 0.0000 | 82.745 | 0.40624 | 0.00000 | 7050.4 | 2287.9 | 0.0 | U/P |
| 3.775 | 2.3468 | 0.0000 | 82.753 | 0.40705 | 0.00000 | 7120.7 | 2300.1 | 0.0 | U/P |
| 3.783 | 2.3521 | 0.0000 | 82.761 | 0.40786 | 0.00000 | 7191.2 | 2312.3 | 0.0 | U/P |
| 3.792 | 2.3571 | 0.0000 | 82.770 | 0.40867 | 0.00000 | 7261.8 | 2324.6 | 0.0 | U/P |
| 3.800 | 2.3619 | 0.0000 | 82.778 | 0.40949 | 0.00000 | 7332.6 | 2336.9 | 0.0 | U/P |
| 3.808 | 2.3664 | 0.0000 | 82.786 | 0.41030 | 0.00000 | 7403.5 | 2349.2 | 0.0 | U/P |
| 3.817 | 2.3708 | 0.0000 | 82.794 | 0.41111 | 0.00000 | 7474.6 | 2361.5 | 0.0 | U/P |
| 3.825 | 2.3749 | 0.0000 | 82.803 | 0.41192 | 0.00000 | 7545.8 | 2373.8 | 0.0 | U/P |
| 3.833 | 2.3789 | 0.0000 | 82.811 | 0.41273 | 0.00000 | 7617.1 | 2386.2 | 0.0 | U/P |
| 3.842 | 2.3828 | 0.0000 | 82.819 | 0.41354 | 0.00000 | 7688.5 | 2398.6 | 0.0 | U/P |
| 3.850 | 2.3865 | 0.0000 | 82.827 | 0.41436 | 0.00000 | 7760.1 | 2411.0 | 0.0 | U/P |
| 3.858 | 2.3901 | 0.0000 | 82.836 | 0.41517 | 0.00000 | 7831.7 | 2423.5 | 0.0 | U/P |
| 3.867 | 2.3936 | 0.0000 | 82.844 | 0.41598 | 0.00000 | 7903.5 | 2435.9 | 0.0 | U/P |
| 3.875 | 2.3969 | 0.0000 | 82.852 | 0.41679 | 0.00000 | 7975.3 | 2448.4 | 0.0 | U/P |
| 3.883 | 2.4002 | 0.0000 | 82.860 | 0.41760 | 0.00000 | 8047.3 | 2460.9 | 0.0 | U/P |
| 3.892 | 2.4034 | 0.0000 | 82.869 | 0.41840 | 0.00000 | 8119.3 | 2473.5 | 0.0 | U/P |
| 3.900 | 2.4065 | 0.0000 | 82.877 | 0.41921 | 0.00000 | 8191.5 | 2486.0 | 0.0 | U/P |
| 3.908 | 2.4095 | 0.0000 | 82.885 | 0.42002 | 0.00000 | 8263.7 | 2498.6 | 0.0 | U/P |
| 3.917 | 2.4125 | 0.0000 | 82.893 | 0.42083 | 0.00000 | 8336.1 | 2511.2 | 0.0 | U/P |
| 3.925 | 2.4154 | 0.0000 | 82.901 | 0.42163 | 0.00000 | 8408.5 | 2523.9 | 0.0 | U/P |
| 3.933 | 2.4182 | 0.0000 | 82.910 | 0.42244 | 0.00000 | 8481.0 | 2536.5 | 0.0 | U/P |
| 3.942 | 2.4210 | 0.0000 | 82.918 | 0.42324 | 0.00000 | 8553.6 | 2549.2 | 0.0 | U/P |
| 3.950 | 2.4237 | 0.0000 | 82.926 | 0.42405 | 0.00000 | 8626.2 | 2561.9 | 0.0 | U/P |
| 3.958 | 2.4264 | 0.0000 | 82.934 | 0.42485 | 0.00000 | 8699.0 | 2574.7 | 0.0 | U/P |
| 3.967 | 2.4290 | 0.0000 | 82.942 | 0.42565 | 0.00000 | 8771.8 | 2587.4 | 0.0 | U/P |
| 3.975 | 2.4316 | 0.0000 | 82.951 | 0.42645 | 0.00000 | 8844.7 | 2600.2 | 0.0 | U/P |
| 3.983 | 2.4341 | 0.0000 | 82.959 | 0.42725 | 0.00000 | 8917.7 | 2613.0 | 0.0 | U/P |
| 3.992 | 2.4366 | 0.0000 | 82.967 | 0.42806 | 0.00000 | 8990.8 | 2625.8 | 0.0 | U/P |
| 4.000 | 2.4391 | 0.0000 | 82.975 | 0.42885 | 0.00000 | 9063.9 | 2638.7 | 0.0 | U/P |
| 4.008 | 2.4415 | 0.0000 | 82.983 | 0.42965 | 0.00000 | 9137.1 | 2651.6 | 0.0 | U/P |
| 4.017 | 2.4452 | 0.0000 | 82.991 | 0.43045 | 0.00000 | 9210.4 | 2664.5 | 0.0 | U/P |
| 4.025 | 2.4510 | 0.0000 | 82.999 | 0.43125 | 0.00000 | 9283.9 | 2677.4 | 0.0 | U/P |
| 4.033 | 2.4598 | 0.0000 | 83.007 | 0.43209 | 0.00000 | 9357.5 | 2690.3 | 0.0 | U/P |
| 4.042 | 2.4722 | 0.0000 | 83.016 | 0.43298 | 0.00000 | 9431.5 | 2703.3 | 0.0 | U/P |
| 4.050 | 2.4893 | 0.0000 | 83.024 | 0.43388 | 0.00000 | 9505.9 | 2716.3 | 0.0 | U/P |
| 4.058 | 2.5121 | 0.0000 | 83.032 | 0.43479 | 0.00000 | 9581.0 | 2729.4 | 0.0 | U/P |
| 4.067 | 2.5417 | 0.0000 | 83.040 | 0.43570 | 0.00000 | 9656.8 | 2742.4 | 0.0 | U/P |
| 4.075 | 2.5786 | 0.0000 | 83.049 | 0.43662 | 0.00000 | 9733.6 | 2755.5 | 0.0 | U/P |
| 4.083 | 2.6218 | 0.0000 | 83.057 | 0.43756 | 0.00000 | 9811.6 | 2768.6 | 0.0 | U/P |
| 4.092 | 2.6699 | 0.0000 | 83.066 | 0.43851 | 0.00000 | 9890.9 | 2781.7 | 0.0 | U/P |
| 4.100 | 2.7217 | 0.0000 | 83.075 | 0.43948 | 0.00000 | 9971.8 | 2794.9 | 0.0 | U/P |
| 4.108 | 2.7759 | 0.0000 | 83.084 | 0.44047 | 0.00000 | 10054.3 | 2808.1 | 0.0 | U/P |
| 4.117 | 2.8304 | 0.0000 | 83.093 | 0.44148 | 0.00000 | 10138.4 | 2821.3 | 0.0 | U/P |
| 4.125 | 2.8848 | 0.0000 | 83.103 | 0.44252 | 0.00000 | 10224.1 | 2834.6 | 0.0 | U/P |
| 4.133 | 2.9382 | 0.0000 | 83.113 | 0.44357 | 0.00000 | 10311.5 | 2847.9 | 0.0 | U/P |
| 4.142 | 2.9893 | 0.0000 | 83.122 | 0.44464 | 0.00000 | 10400.4 | 2861.2 | 0.0 | U/P |
| 4.150 | 3.0377 | 0.0000 | 83.132 | 0.44573 | 0.00000 | 10490.8 | 2874.6 | 0.0 | U/P |
| 4.158 | 3.0831 | 0.0000 | 83.143 | 0.44684 | 0.00000 | 10582.6 | 2888.0 | 0.0 | U/P |
| 4.167 | 3.1252 | 0.0000 | 83.153 | 0.44797 | 0.00000 | 10675.7 | 2901.4 | 0.0 | U/P |
| 4.175 | 3.1633 | 0.0000 | 83.163 | 0.44911 | 0.00000 | 10770.0 | 2914.8 | 0.0 | U/P |
| 4.183 | 3.1967 | 0.0000 | 83.174 | 0.45026 | 0.00000 | 10865.4 | 2928.3 | 0.0 | U/P |
| 4.192 | 3.2261 | 0.0000 | 83.184 | 0.45142 | 0.00000 | 10961.8 | 2941.9 | 0.0 | U/P |
| 4.200 | 3.2519 | 0.0000 | 83.195 | 0.45259 | 0.00000 | 11059.0 | 2955.4 | 0.0 | U/P |
| 4.208 | 3.2750 | 0.0000 | 83.206 | 0.45377 | 0.00000 | 11156.9 | 2969.0 | 0.0 | U/P |
| 4.217 | 3.2958 | 0.0000 | 83.217 | 0.45496 | 0.00000 | \$1255.4 | 2982.6 | 0.0 | U/P |
| 4.225 | 3.3145 | 0.0000 | 83.228 | 0.45615 | 0.00000 | 11354.6 | 2996.3 | 0.0 | U/P |
| 4.233 | 3.3314 | 0.0000 | 83.238 | 0.45734 | 0.00000 | 11454.3 | 3010.0 | 0.0 | U/P |
| 4.242 | 3.3469 | 0.0000 | 83.249 | 0.45854 | 0.00000 | 11554.4 | 3023.8 | 0.0 | U/P |
| 4.250 | 3.3609 | 0.0000 | 83.260 | 0.45974 | 0.00000 | 11655.1 | 3037.5 | 0.0 | U/P |
| 4.258 | 3.3736 | 0.0000 | 83.271 | 0.46095 | 0.00000 | 11756.1 | 3051.3 | 0.0 | U/P |
| 4.267 | 3.3852 | 0.0000 | 83.282 | 0.46215 | 0.00000 | 11857.5 | 3065.2 | 0.0 | U/P |
| 4.275 | 3.3955 | 0.0000 | 83.293 | 0.46336 | 0.00000 | 11959.2 | 3079.1 | 0.0 | U/P |
| 4.283 | 3.4051 | 0.0000 | 83.304 | 0.46457 | 0.00000 | 12061.2 | 3093.0 | 0.0 | U/P |
| 4.292 | 3.4138 | 0.0000 | 83.315 | 0.46577 | 0.00000 | 12163.5 | 3106.9 | 0.0 | U/P |
| 4.300 | 3.4218 | 0.0000 | 83.326 | 0.46698 | 0.00000 | 12266.0 | 3120.9 | 0.0 | U/P |
| 4.308 | 3.4292 | 0.0000 | 83.337 | 0.46819 | 0.00000 | 12368.8 | 3135.0 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Outside Recharge (f/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{r}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\left(\mathrm{t}^{3}\right)$ | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4.317 | 3.4360 | 0.0000 | 83.348 | 0.46939 | 0.00000 | 12471.7 | 3149.0 | 0.0 | U/P |
| 4.325 | 3.4423 | 0.0000 | 83.359 | 0.47060 | 0.00000 | 12574.9 | 3163.1 | 0.0 | U/P |
| 4.333 | 3.4481 | 0.0000 | 83.370 | 0.47180 | 0.00000 | 12678.3 | 3177.3 | 0.0 | U/P |
| 4.342 | 3.4535 | 0.0000 | 83.381 | 0.47301 | 0.00000 | 12781.8 | 3191.4 | 0.0 | U/P |
| 4.350 | 3.4585 | 0.0000 | 83.392 | 0.47421 | 0.00000 | 12885.5 | 3205.6 | 0.0 | U/P |
| 4.358 | 3.4632 | 0.0000 | 83.403 | 0.47541 | 0.00000 | 12989.3 | 3219.9 | 0.0 | U/P |
| 4.367 | 3.4676 | 0.0000 | 83.414 | 0.47661 | 0.00000 | 13093.3 | 3234.2 | 0.0 | U/P |
| 4.375 | 3.4718 | 0.0000 | 83.424 | 0.47781 | 0.00000 | 13197.3 | 3248.5 | 0.0 | U/P |
| 4.383 | 3.4757 | 0.0000 | 83.435 | 0.47900 | 0.00000 | 13301.6 | 3262.8 | 0.0 | U/P |
| 4.392 | 3.4794 | 0.0000 | 83.446 | 0.48019 | 0.00000 | 13405.9 | 3277.2 | 0.0 | U/P |
| 4.400 | 3.4830 | 0.0000 | 83.457 | 0.48139 | 0.00000 | 13510.3 | 3291.6 | 0.0 | U/P |
| 4.408 | 3.4863 | 0.0000 | 83.468 | 0.48258 | 0.00000 | 13614.9 | 3306.1 | 0.0 | U/P |
| 4.417 | 3.4895 | 0.0000 | 83.479 | 0.48376 | 0.00000 | 13719.5 | 3320.6 | 0.0 | U/P |
| 4.425 | 3.4926 | 0.0000 | 83.489 | 0.48495 | 0.00000 | 13824.2 | 3335.1 | 0.0 | U/P |
| 4.433 | 3.4955 | 0.0000 | 83.500 | 0.48613 | 0.00000 | 13929.1 | 3349.7 | 0.0 | U/P |
| 4.442 | 3.4983 | 0.0000 | 83.511 | 0.48731 | 0.00000 | 14034.0 | 3364.3 | 0.0 | U/P |
| 4.450 | 3.5011 | 0.0000 | 83.521 | 0.48849 | 0.00000 | 14139.0 | 3378.9 | 0.0 | U/P |
| 4.458 | 3.5037 | 0.0000 | 83.532 | 0.48967 | 0.00000 | 14244.0 | 3393.6 | 0.0 | U/P |
| 4.467 | 3.5062 | 0.0000 | 83.543 | 0.49084 | 0.00000 | 14349.2 | 3408.3 | 0.0 | U/P |
| 4.475 | 3.5087 | 0.0000 | 83.553 | 0.49201 | 0.00000 | 14454.4 | 3423.1 | 0.0 | U/P |
| 4.483 | 3.5111 | 0.0000 | 83.564 | 0.49318 | 0.00000 | 14559.7 | 3437.8 | 0.0 | U/P |
| 4.492 | 3.5135 | 0.0000 | 83.575 | 0.49435 | 0.00000 | 14665.1 | 3452.6 | 0.0 | U/P |
| 4.500 | 3.5158 | 0.0000 | 83.585 | 0.49552 | 0.00000 | 14770.5 | 3467.5 | 0.0 | U/P |
| 4.508 | 3.5179 | 0.0000 | 83.596 | 0.49668 | 0.00000 | 14876.0 | 3482.4 | 0.0 | U/P |
| 4.517 | 3.5202 | 0.0000 | 83.606 | 0.49784 | 0.00000 | 14981.6 | 3497.3 | 0.0 | U/P |
| 4.525 | 3.5227 | 0.0000 | 83.617 | 0.49900 | 0.00000 | 15087.2 | 3512.2 | 0.0 | U/P |
| 4.533 | 3.5257 | 0.0000 | 83.627 | 0.50015 | 0.00000 | 15193.0 | 3527.2 | 0.0 | U/P |
| 4.542 | 3.5293 | 0.0000 | 83.638 | 0.50131 | 0.00000 | 15298.8 | 3542.3 | 0.0 | U/P |
| 4.550 | 3.5335 | 0.0000 | 83.648 | 0.50246 | 0.00000 | 15404.7 | 3557.3 | 0.0 | U/P |
| 4.558 | 3.5388 | 0.0000 | 83.659 | 0.50361 | 0.00000 | 15510.8 | 3572.4 | 0.0 | U/P |
| 4.567 | 3.5451 | 0.0000 | 83.669 | 0.50476 | 0.00000 | 15617.1 | 3587.5 | 0.0 | U/P |
| 4.575 | 3.5529 | 0.0000 | 83.680 | 0.50591 | 0.00000 | 15723.5 | 3602.7 | 0.0 | U/P |
| 4.583 | 3.5619 | 0.0000 | 83.690 | 0.50706 | 0.00000 | 15830.3 | 3617.9 | 0.0 | U/P |
| 4.592 | 3.5719 | 0.0000 | 83.701 | 0.50821 | 0.00000 | 15937.3 | 3633.1 | 0.0 | U/P |
| 4.600 | 3.5827 | 0.0000 | 83.711 | 0.50936 | 0.00000 | 16044.6 | 3648.4 | 0.0 | U/P |
| 4.608 | 3.5941 | 0.0000 | 83.721 | 0.51051 | 0.00000 | 16152.2 | 3663.7 | 0.0 | U/P |
| 4.617 | 3.6057 | 0.0000 | 83.732 | 0.51166 | 0.00000 | 16260.2 | 3679.0 | 0.0 | U/P |
| 4.625 | 3.6173 | 0.0000 | 83.742 | 0.51281 | 0.00000 | 16368.6 | 3694.4 | 0.0 | U/P |
| 4.633 | 3.6288 | 0.0000 | 83.753 | 0.51397 | 0.00000 | 16477.3 | 3709.8 | 0.0 | U/P |
| 4.642 | 3.6399 | 0.0000 | 83.763 | 0.51513 | 0.00000 | 16586.3 | 3725.2 | 0.0 | U/P |
| 4.650 | 3.6505 | 0.0000 | 83.774 | 0.51628 | 0.00000 | 16695.7 | 3740.7 | 0.0 | U/P |
| 4.658 | 3.6606 | 0.0000 | 83.785 | 0.51744 | 0,00000 | 16805.3 | 3756.2 | 0.0 | U/P |
| 4.667 | 3.6700 | 0.0000 | 83.795 | 0.51860 | 0.00000 | 16915.3 | 3771.7 | 0.0 | U/P |
| 4.675 | 3.6787 | 0.0000 | 83.806 | 0.51976 | 0.00000 | 17025.5 | 3787.3 | 0.0 | U/P |
| 4.683 | 3.6866 | 0.0000 | 83.816 | 0.52092 | 0.00000 | 17136.0 | 3802.9 | 0.0 | U/P |
| 4.692 | 3.6936 | 0.0000 | 83.827 | 0.52208 | 0.00000 | 17246.7 | 3818.6 | 0.0 | U/P |
| 4.700 | 3.6999 | 0.0000 | 83.837 | 0.52324 | 0.00000 | 17357.6 | 3834.2 | 0.0 | U/P |
| 4.708 | 3.7056 | 0.0000 | 83.848 | 0.52440 | 0.00000 | 17468.7 | 3850.0 | 0.0 | U/P |
| 4.717 | 3.7107 | 0.0000 | 83.858 | 0.52555 | 0.00000 | 17579.9 | 3865.7 | 0.0 | U/P |
| 4.725 | 3.7155 | 0.0000 | 83.869 | 0.52671 | 0.00000 | 17691.3 | 3881.5 | 0.0 | U/P |
| 4.733 | 3.7198 | 0.0000 | 83.879 | 0.52786 | 0.00000 | 17802.9 | 3897.3 | 0.0 | U/P |
| 4.742 | 3.7238 | 0.0000 | 83.890 | 0.52902 | 0.00000 | 17914.5 | 3913.2 | 0.0 | U/P |
| 4.750 | 3.7276 | 0.0000 | 83.900 | 0.53017 | 0.00000 | 18026.3 | 3929.0 | 0.0 | U/P |
| 4.758 | 3.7310 | 0.0000 | 83.911 | 0.53132 | 0.00000 | 18138.2 | 3945.0 | 0.0 | U/P |
| 4.767 | 3.7343 | 0.0000 | 83.921 | 0.53247 | 0.00000 | 18250.1 | 3960.9 | 0.0 | U/P |
| 4.775 | 3.7373 | 0.0000 | 83.932 | 0.53362 | 0.00000 | 18362.2 | 3976.9 | 0.0 | U/P |
| 4.783 | 3.7400 | 0.0000 | 83.942 | 0.53476 | 0.00000 | 18474.4 | 3992.9 | 0.0 | U/P |
| 4.792 | 3.7427 | 0.0000 | 83.952 | 0.53591 | 0.00000 | 18586.6 | 4009.0 | 0.0 | U/P |
| 4.800 | 3.7451 | 0.0000 | 83.963 | 0.53705 | 0.00000 | 18698.9 | 4025.1 | 0.0 | U/P |
| 4.808 | 3.7475 | 0.0000 | 83.973 | 0.53819 | 0.00000 | 18811.3 | 4041.2 | 0.0 | U/P |
| 4.817 | 3.7497 | 0.0000 | 83.983 | 0.53932 | 0.00000 | 18923.8 | 4057.4 | 0.0 | U/P |
| 4.825 | 3.7517 | 0.0000 | 83.994 | 0.54046 | 0.00000 | 19036.3 | 4073.6 | 0.0 | U/P |
| 4.833 | 3.7537 | 0.0000 | 84.004 | 0.54184 | 0.00000 | 19148.9 | 4089.8 | 0.0 | U/P |
| 4.842 | 3.7556 | 0.0000 | 84.014 | 0.54385 | 0.00000 | 19261.5 | 4106.1 | 0.0 | U/P |
| 4.850 | 3.7574 | 0.0000 | 84.024 | 0.54625 | 0.00000 | 19374.2 | 4122.4 | 0.0 | U/P |
| 4.858 | 3.7591 | 0.0000 | 84.035 | 0.54864 | 0.00000 | 19487.0 | 4138.9 | 0.0 | U/P |
| 4.867 | 3.7608 | 0.0000 | 84.045 | 0.55102 | 0.00000 | 19599.8 | 4155.4 | 0.0 | U/P |
| 4.875 | 3.7624 | 0.0000 | 84.055 | 0.55338 | 0.00000 | 19712.6 | 4171.9 | 0.0 | U/P |
| 4.883 | 3.7639 | 0.0000 | 84.065 | 0.55574 | 0.00000 | 19825.5 | 4188.6 | 0.0 | U/P |
| 4.892 | 3.7654 | 0.0000 | 84.075 | 0.55808 | 0.00000 | 19938.4 | 4205.3 | 0.0 | U/P |
| 4.900 | 3.7669 | 0.0000 | 84.085 | 0.56042 | 0.00000 | 20051.4 | 4222.1 | 0.0 | U/P |
| 4.908 | 3.7683 | 0.0000 | 84.095 | 0.56274 | 0.00000 | 20164.5 | 4238.9 | 0.0 | U/P |
| 4.917 | 3.7697 | 0.0000 | 84.104 | 0.56505 | 0.00000 | 20277.5 | 4255.8 | 0.0 | U/P |
| 4.925 | 3.7710 | 0.0000 | 84.114 | 0.56736 | 0.00000 | 20390.6 | 4272.8 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:. Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (fi/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge (f13/s) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative \{nfiltration Volume ( $\mathrm{t}^{3}$ ) | Cumulative <br> Discharge <br> Volume ( $\mathrm{tt}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4.933 | 3.7723 | 0.0000 | 84.124 | 0.56965 | 0.00000 | 20503.8 | 4289.9 | 0.0 | U/P |
| 4.942 | 3.7736 | 0.0000 | 84.134 | 0.57193 | 0.00000 | 20617.0 | 4307.0 | 0.0 | U/P |
| 4.950 | 3.7748 | 0.0000 | 84.143 | 0.57421 | 0.00000 | 20730.2 | 4324.2 | 0.0 | U/P |
| 4.958 | 3.7761 | 0.0000 | 84.153 | 0.57647 | 0.00000 | 20843.5 | 4341.4 | 0.0 | U/P |
| 4.967 | 3.7772 | 0.0000 | 84.163 | 0.57873 | 0.00000 | 20956.8 | 4358.8 | 0.0 | U/P |
| 4.975 | 3.7784 | 0.0000 | 84.172 | 0.58097 | 0.00000 | 21070.1 | 4376.2 | 0.0 | U/P |
| 4.983 | 3.7796 | 0.0000 | 84.182 | 0.58321 | 0.00000 | 21183.5 | 4393.6 | 0.0 | U/P |
| 4.992 | 3.7807 | 0.0000 | 84.191 | 0.58543 | 0.00000 | 21296.9 | 4411.2 | 0.0 | U/P |
| 5.000 | 3.7820 | 0.0000 | 84.201 | 0.58765 | 0.00000 | 21410.3 | 4428.8 | 0.0 | U/P |
| 5.008 | 3.7836 | 0.0000 | 84.210 | 0.58986 | 0.00000 | 21523.8 | 4446.4 | 0.0 | U/P |
| 5.017 | 3.7857 | 0.0000 | 84.219 | 0.59206 | 0.00000 | 21637.3 | 4464.1 | 0.0 | U/P |
| 5.025 | 3.7883 | 0.0000 | 84.229 | 0.59425 | 0.00000 | 21750.9 | 4481.9 | 0.0 | U/P |
| 5.033 | 3.7917 | 0.0000 | 84.238 | 0.59643 | 0.00000 | 21864.6 | 4499.8 | 0.0 | U/P |
| 5.042 | 3.7959 | 0.0000 | 84.247 | 0.59861 | 0.00000 | 21978.5 | 4517.7 | 0.0 | U/P |
| 5.050 | 3.8012 | 0.0000 | 84.257 | 0.60078 | 0.00000 | 22092.4 | 4535.7 | 0.0 | U/P |
| 5.058 | 3.8076 | 0.0000 | 84.266 | 0.60295 | 0.00000 | 22206.5 | 4553.8 | 0.0 | U/P |
| 5.067 | 3.8150 | 0.0000 | 84.275 | 0.60510 | 0.00000 | 22320.9 | 4571.9 | 0.0 | U/P |
| 5.075 | 3.8232 | 0.0000 | 84.284 | 0.60726 | 0.00000 | 22435.5 | 4590.1 | 0.0 | U/P |
| 5.083 | 3.8320 | 0.0000 | 84.293 | 0.60941 | 0.00000 | 22550.3 | 4608.3 | 0.0 | U/P |
| 5.092 | 3.8412 | 0.0000 | 84.302 | 0.61156 | 0.00000 | 22665.4 | 4626.6 | 0.0 | U/P |
| 5.100 | 3.8504 | 0.0000 | 84.312 | 0.61371 | 0.00000 | 22780.8 | 4645.0 | 0.0 | U/P |
| 5.108 | 3.8596 | 0.0000 | 84.321 | 0.61585 | 0.00000 | 22896.4 | 4663.5 | 0.0 | U/P |
| 5.117 | 3.8686 | 0.0000 | 84.330 | 0.61799 | 0.00000 | 23012.3 | 4682.0 | 0.0 | U/P |
| 5.125 | 3.8773 | 0.0000 | 84.339 | 0.62013 | 0.00000 | 23128.5 | 4700.5 | 0.0 | U/P |
| 5.133 | 3.8856 | 0.0000 | 84.348 | 0.62226 | 0.00000 | 23245.0 | 4719.2 | 0.0 | U/P |
| 5.142 | 3.8933 | 0.0000 | 84.357 | 0.62439 | 0.00000 | 23361.6 | 4737.9 | 0.0 | U/P |
| 5.150 | 3.9005 | 0.0000 | 84.366 | 0.62652 | 0.00000 | 23478.5 | 4756.6 | 0.0 | U/P |
| 5.158 | 3.9071 | 0.0000 | 84.375 | 0.62864 | 0.00000 | 23595.7 | 4775.5 | 0.0 | U/P |
| 5.167 | 3.9129 | 0.0000 | 84.384 | 0.63076 | 0.00000 | 23713.0 | 4794.4 | 0.0 | U/P |
| 5.175 | 3.9181 | 0.0000 | 84.393 | 0.63287 | 0.00000 | 23830.4 | 4813.3 | 0.0 | U/P |
| 5.183 | 3.9227 | 0.0000 | 84.402 | 0.63498 | 0.00000 | 23948.0 | 4832.3 | 0.0 | U/P |
| 5.192 | 3.9268 | 0.0000 | 84.411 | 0.63709 | 0.00000 | 24065.8 | 4851.4 | 0.0 | U/P |
| 5.200 | 3.9305 | 0.0000 | 84.420 | 0.63918 | 0.00000 | 24183.6 | 4870.6 | 0.0 | U/P |
| 5.208 | 3.9340 | 0.0000 | 84.429 | 0.64128 | 0.00000 | 24301.6 | 4889.8 | 0.0 | U/P |
| 5.217 | 3.9371 | 0.0000 | 84.438 | 0.64336 | 0.00000 | 24419.7 | 4909.0 | 0.0 | U/P |
| 5.225 | 3.9400 | 0.0000 | 84.447 | 0.64544 | 0.00000 | 24537.8 | 4928.4 | 0.0 | U/P |
| 5.233 | 3.9426 | 0.0000 | 84.456 | 0.64752 | 0.00000 | 24656.1 | 4947.8 | 0.0 | U/P |
| 5.242 | 3.9450 | 0.0000 | 84.464 | 0.64959 | 0.00000 | 24774.4 | 4967.2 | 0.0 | U/P |
| 5.250 | 3.9473 | 0.0000 | 84.473 | 0.65165 | 0.00000 | 24892.8 | 4986.7 | 0.0 | U/P |
| 5.258 | 3.9493 | 0.0000 | 84.482 | 0.65370 | 0.00000 | 25011.2 | 5006.3 | 0.0 | U/P |
| 5.267 | 3.9512 | 0.0000 | 84.491 | 0.65575 | 0.00000 | 25129.7 | 5026.0 | 0.0 | U/P |
| 5.275 | 3.9530 | 0.0000 | 84.499 | 0.65779 | 0.00000 | 25248.3 | 5045.7 | 0.0 | U/P |
| 5.283 | 3.9547 | 0.0000 | 84.508 | 0.65983 | 0.00000 | 25366.9 | 5065.4 | 0.0 | U/P |
| 5.292 | 3.9562 | 0.0000 | 84.517 | 0.66186 | 0.00000 | 25485.6 | 5085.3 | 0.0 | U/P |
| 5.300 | 3.9577 | 0.0000 | 84.525 | 0.66388 | 0.00000 | 25604.3 | 5105.1 | 0.0 | U/P |
| 5.308 | 3.9590 | 0.0000 | 84.534 | 0.66590 | 0.00000 | 25723.0 | 5125.1 | 0.0 | U/P |
| 5.317 | 3.9603 | 0.0000 | 84.543 | 0.66791 | 0.00000 | 25841.8 | 5145.1 | 0.0 | U/P |
| 5.325 | 3.9615 | 0.0000 | 84.551 | 0.66991 | 0.00000 | 25960.6 | 5165.2 | 0.0 | U/P |
| 5.333 | 3.9627 | 0.0000 | 84.560 | 0.67191 | 0.00000 | 26079.5 | 5185.3 | 0.0 | U/P |
| 5.342 | 3.9638 | 0.0000 | 84.568 | 0.67390 | 0.00000 | 26198.4 | 5205.5 | 0.0 | U/P |
| 5.350 | 3.9649 | 0.0000 | 84.576 | 0.67588 | 0.00000 | 26317.3 | 5225.7 | 0.0 | U/P |
| 5.358 | 3.9659 | 0.0000 | 84.585 | 0.67786 | 0.00000 | 26436.3 | 5246.0 | 0.0 | U/P |
| 5.367 | 3.9669 | 0.0000 | 84.593 | 0.67983 | 0.00000 | 26555.3 | 5266.4 | 0.0 | U/P |
| 5.375 | 3.9678 | 0.0000 | 84.602 | 0.68180 | 0.00000 | 26674.3 | 5286.8 | 0.0 | U/P |
| 5.383 | 3.9687 | 0.0000 | 84.610 | 0.68375 | 0.00000 | 26793.4 | 5307.3 | 0.0 | U/P |
| 5.392 | 3.9696 | 0.0000 | 84.618 | 0.68571 | 0.00000 | 26812.4 | 5327.8 | 0.0 | U/P |
| 5.400 | 3.9704 | 0.0000 | 84.627 | 0.68765 | 0.00000 | 27031.5 | 5348.4 | 0.0 | U/P |
| 5.408 | 3.9713 | 0.0000 | 84.635 | 0.68959 | 0.00000 | 27150.7 | 5369.1 | 0.0 | U/P |
| 5.417 | 3.9721 | 0.0000 | 84.643 | 0.69153 | 0.00000 | 27269.8 | 5389.8 | 0.0 | U/P |
| 5.425 | 3.9729 | 0.0000 | 84.651 | 0.69346 | 0.00000 | 27389.0 | 5410.6 | 0.0 | U/P |
| 5.433 | 3.9736 | 0.0000 | 84.660 | 0.69538 | 0.00000 | 27508.2 | 5431.4 | 0.0 | U/P |
| 5.442 | 3.9744 | 0.0000 | 84.668 | 0.69729 | 0.00000 | 27627.4 | 5452.3 | 0.0 | U/P |
| 5.450 | 3.9751 | 0.0000 | 84.676 | 0.69920 | 0.00000 | 27746.6 | 5473.3 | 0.0 | U/P |
| 5.458 | 3.9758 | 0.0000 | 84.684 | 0.70111 | 0.00000 | 27865.9 | 5494.3 | 0.0 | U/P |
| 5.467 | 3.9765 | 0.0000 | 84.692 | 0.70301 | 0.00000 | 27985.2 | 5515.3 | 0.0 | U/P |
| 5.475 | 3.9772 | 0.0000 | 84.700 | 0.70490 | 0.00000 | 28104.5 | 5536.4 | 0.0 | U/P |
| 5.483 | 3.9779 | 0.0000 | 84.708 | 0.70679 | 0.00000 | 28223.8 | 5557.6 | 0.0 | U/P |
| 5.492 | 3.9786 | 0.0000 | 84.716 | 0.70867 | 0.00000 | 28343.2 | 5578.9 | 0.0 | U/P |
| 5.500 | 3.9792 | 0.0000 | 84.724 | 0.71054 | 0.00000 | 28462.5 | 5600.1 | 0.0 | U/P |
| 5.508 | 3.9799 | 0.0000 | 84.732 | 0.71241 | 0.00000 | 28581.9 | 5621.5 | 0.0 | U/P |
| 5.517 | 3.9805 | 0.0000 | 84.740 | 0.71428 | 0.00000 | 28701.3 | 5642.9 | 0.0 | U/P |
| 5.525 | 3.9811 | 0.0000 | 84.748 | 0.71614 | 0.00000 | 28820.8 | 5664.3 | 0.0 | U/P |
| 5.533 | 3.9817 | 0.0000 | 84.756 | 0.71799 | 0.00000 | 28940.2 | 5685.9 | 0.0 | U/P |
| 5.542 | 3.9823 | 0.0000 | 84.764 | 0.71984 | 0.00000 | 29059.7 | 5707.4 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:. Scenario 1 :. pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | inflow <br> Rate <br> ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate (filis) | Overflow <br> Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{H}^{3}$ ) | Cumulative Discharge Voiume ( $\mathrm{f}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 5.550 | 3.9829 | 0.0000 | 84.772 | 0.72168 | 0.00000 | 29179.1 | 5729.0 | 0.0 | U/P |
| 5.558 | 3.9835 | 0.0000 | 84.779 | 0.72352 | 0.00000 | 29298.6 | 5750.7 | 0.0 | U/P |
| 5.567 | 3.9841 | 0.0000 | 84.787 | 0.72535 | 0.00000 | 29418.2 | 5772.5 | 0.0 | U/P |
| 5.575 | 3.9846 | 0.0000 | 84.795 | 0.72717 | 0.00000 | 29537.7 | 5794.2 | 0.0 | U/P |
| 5.583 | 3.9852 | 0.0000 | 84.803 | 0.72899 | 0.00000 | 29657.2 | 5816.1 | 0.0 | U/P |
| 5.592 | 3.9858 | 0.0000 | 84.810 | 0.73081 | 0.00000 | 29776.8 | 5838.0 | 0.0 | U/P |
| 5.600 | 3.9863 | 0.0000 | 84.818 | 0.73262 | 0.00000 | 29896.4 | 5859.9 | 0.0 | U/P |
| 5.608 | 3.9868 | 0.0000 | 84.826 | 0.73443 | 0.00000 | 30016.0 | 5881.9 | 0.0 | U/P |
| 5.617 | 3.9874 | 0.0000 | 84.834 | 0.73623 | 0.00000 | 30135.6 | 5904.0 | 0.0 | U/P |
| 5.625 | 3.9879 | 0.0000 | 84.841 | 0.73802 | 0.00000 | 30255.2 | 5926.1 | 0.0 | U/P |
| 5.633 | 3.9884 | 0.0000 | 84.849 | 0.73981 | 0.00000 | 30374.9 | 5948.3 | 0.0 | U/P |
| 5.642 | 3.9890 | 0.0000 | 84.856 | 0.74160 | 0.00000 | 30494.5 | 5970.5 | 0.0 | U/P |
| 5.650 | 3.9895 | 0.0000 | 84.864 | 0.74338 | 0.00000 | 30614.2 | 5992.8 | 0.0 | U/P |
| 5.658 | 3.9900 | 0.0000 | 84.872 | 0.74515 | 0.00000 | 30733.9 | 6015.1 | 0.0 | U/P |
| 5.667 | 3.9905 | 0.0000 | 84.879 | 0.74692 | 0.00000 | 30853.6 | 6037.5 | 0.0 | U/P |
| 5.675 | 3.9910 | 0.0000 | 84.887 | 0.74869 | 0.00000 | 30973.3 | 6059.9 | 0.0 | U/P |
| 5.683 | 3.9915 | 0.0000 | 84.894 | 0.75045 | 0.00000 | 31093.1 | 6082.4 | 0.0 | U/P |
| 5.692 | 3.9920 | 0.0000 | 84.902 | 0.75220 | 0.00000 | 31212.8 | 6104.9 | 0.0 | U/P |
| 5.700 | 3.9925 | 0.0000 | 84.909 | 0.75395 | 0.00000 | 31332.6 | 6127.5 | 0.0 | U/P |
| 5.708 | 3.9930 | 0.0000 | 84.916 | 0.75570 | 0.00000 | 31452.4 | 6150.2 | 0.0 | U/P |
| 5.717 | 3.9935 | 0.0000 | 84.924 | 0.75744 | 0.00000 | 31572.2 | 6172.9 | 0.0 | U/P |
| 5.725 | 3.9940 | 0.0000 | 84.931 | 0.75918 | 0.00000 | 31692.0 | 6195.6 | 0.0 | U/P |
| 5.733 | 3.9945 | 0.0000 | 84.939 | 0.76091 | 0.00000 | 31811.8 | 6218.4 | 0.0 | U/P |
| 5.742 | 3.9950 | 0.0000 | 84.946 | 0.76264 | 0.00000 | 31931.6 | 6241.3 | 0.0 | U/P |
| 5.750 | 3.9954 | 0.0000 | 84.953 | 0.76436 | 0.00000 | 32051.5 | 6264.2 | 0.0 | U/P |
| 5.758 | 3.9959 | 0.0000 | 84.961 | 0.76608 | 0.00000 | 32171.4 | 6287.1 | 0.0 | U/P |
| 5.767 | 3.9964 | 0.0000 | 84.968 | 0.76779 | 0.00000 | 32291.3 | 6310.2 | 0.0 | U/P |
| 5.775 | 3.9968 | 0.0000 | 84.975 | 0.76950 | 0.00000 | 32411.2 | 6333.2 | 0.0 | U/P |
| 5.783 | 3.9973 | 0.0000 | 84.983 | 0.77121 | 0.00000 | 32531.1 | 6356.3 | 0.0 | U/P |
| 5.792 | 3.9978 | 0.0000 | 84.990 | 0.77291 | 0.00000 | 32651.0 | 6379.5 | 0.0 | U/P |
| 5.800 | 3.9982 | 0.0000 | 84.997 | 0.77461 | 0.00000 | 32770.9 | 6402.7 | 0.0 | U/P |
| 5.808 | 3.9987 | 0.0000 | 85.004 | 0.77617 | 0.00000 | 32890.9 | 6426.0 | 0.0 | U/P |
| 5.817 | 3.9991 | 0.0000 | 85.011 | 0.77751 | 0.00000 | 33010.9 | 6449.3 | 0.0 | U/P |
| 5.825 | 3.9996 | 0.0000 | 85.019 | 0.77876 | 0.00000 | 33130.8 | 6472.6 | 0.0 | U/P |
| 5.833 | 4.0000 | 0.0000 | 85.026 | 0.78000 | 0.00000 | 33250.8 | 6496.0 | 0.0 | U/P |
| 5.842 | 4.0004 | 0.0000 | 85.033 | 0.78124 | 0.00000 | 33370.8 | 6519.4 | 0.0 | U/P |
| 5.850 | 4.0009 | 0.0000 | 85.040 | 0.78248 | 0.00000 | 33490.9 | 6542.9 | 0.0 | U/P |
| 5.858 | 4.0013 | 0.0000 | 85.047 | 0.78372 | 0.00000 | 33610.9 | 6566.4 | 0.0 | U/P |
| 5.867 | 4.0017 | 0.0000 | 85.054 | 0.78496 | 0.00000 | 33730.9 | 6589.9 | 0.0 | U/P |
| 5.875 | 4.0021 | 0.0000 | 85.061 | 0.78619 | 0.00000 | 33851.0 | 6613.5 | 0.0 | U/P |
| 5.883 | 4.0026 | 0.0000 | 85.068 | 0.78742 | 0.00000 | 33971.1 | 6637.1 | 0.0 | U/P |
| 5.892 | 4.0030 | 0.0000 | 85.076 | 0.78865 | 0.00000 | 34091.1 | 6660.7 | 0.0 | U/P |
| 5.900 | 4.0034 | 0.0000 | 85.083 | 0.78987 | 0.00000 | 34211.2 | 6684.4 | 0.0 | U/P |
| 5.908 | 4.0038 | 0.0000 | 85.090 | 0.79110 | 0.00000 | 34331.3 | 6708.1 | 0.0 | U/P |
| 5.917 | 4.0042 | 0.0000 | 85.097 | 0.79232 | 0.00000 | 34451.5 | 6731.8 | 0.0 | U/P |
| 5.925 | 4.0046 | 0.0000 | 85.104 | 0.79354 | 0.00000 | 34571.6 | 6755.6 | 0.0 | U/P |
| 5.933 | 4.0050 | 0.0000 | 85.111 | 0.79476 | 0.00000 | 34691.7 | 6779.5 | 0.0 | U/P |
| 5.942 | 4.0054 | 0.0000 | 85.118 | 0.79597 | 0.00000 | 34811.9 | 6803.3 | 0.0 | U/P |
| 5.950 | 4.0058 | 0.0000 | 85.125 | 0.79719 | 0.00000 | 34932.1 | 6827.2 | 0.0 | U/P |
| 5.958 | 4.0062 | 0.0000 | 85.132 | 0.79840 | 0.00000 | 35052.2 | 6851.2 | 0.0 | U/P |
| 5.967 | 4.0066 | 0.0000 | 85.139 | 0.79961 | 0.00000 | 35172.4 | 6875.1 | 0.0 | U/P |
| 5.975 | 4.0069 | 0.0000 | 85.146 | 0.80081 | 0.00000 | 35292.6 | 6899.1 | 0.0 | U/P |
| 5.983 | 4.0073 | 0.0000 | 85.153 | 0.80202 | 0.00000 | 35412.8 | 6923.2 | 0.0 | U/P |
| 5.992 | 4.0077 | 0.0000 | 85.160 | 0.80322 | 0.00000 | 35533.1 | 6947.3 | 0.0 | U/P |
| 6.000 | 4.0081 | 0.0000 | 85.166 | 0.80442 | 0.00000 | 35653.3 | 6971.4 | 0.0 | U/P |
| 6.008 | 4.0139 | 0.0000 | 85.173 | 0.80562 | 0.00000 | 35773.6 | 6995.5 | 0.0 | U/P |
| 6.017 | 4.0302 | 0.0000 | 85.180 | 0.80682 | 0.00000 | 35894.3 | 7019.7 | 0.0 | U/P |
| 6.025 | 4.0604 | 0.0000 | 85.187 | 0.80802 | 0.00000 | 36015.7 | 7043.9 | 0.0 | U/P |
| 6.033 | 4.1072 | 0.0000 | 85.194 | 0.80923 | 0.00000 | 36138.2 | 7068.2 | 0.0 | U/P |
| 6.042 | 4.1760 | 0.0000 | 85.201 | 0.81046 | 0.00000 | 36262.4 | 7092.5 | 0.0 | U/P |
| 6.050 | 4.2716 | 0.0000 | 85.209 | 0.81171 | 0.00000 | 36389.1 | 7116.8 | 0.0 | U/P |
| 6.058 | 4.3983 | 0.0000 | 85.216 | 0.81300 | 0.00000 | 36519.2 | 7141.2 | 0.0 | U/P |
| 6.067 | 4.5599 | 0.0000 | 85.224 | 0.81433 | 0.00000 | 36653.6 | 7165.6 | 0.0 | U/P |
| 6.075 | 4.7508 | 0.0000 | 85.232 | 0.81572 | 0.00000 | 36793.2 | 7190.0 | 0.0 | U/P |
| 6.083 | 4.9650 | 0.0000 | 85.241 | 0.81717 | 0.00000 | 36939.0 | 7214.5 | 0.0 | U/P |
| 6.092 | 5.1962 | 0.0000 | 85.250 | 0.81870 | 0.00000 | 37091.4 | 7239.1 | 0.0 | U/P |
| 6.100 | 5.4386 | 0.0000 | 85.259 | 0.82031 | 0.00000 | 37250.9 | 7263.7 | 0.0 | U/P |
| 6.108 | 5.6828 | 0.0000 | 85.269 | 0.82200 | 0.00000 | 37417.7 | 7288.3 | 0.0 | U/P |
| 6.117 | 5.9264 | 0.0000 | 85.280 | 0.82378 | 0.00000 | 37591.8 | 7313.0 | 0.0 | U/P |
| 6.125 | 6.1652 | 0.0000 | 85.291 | 0.82564 | 0.00000 | 37773.2 | 7337.7 | 0.0 | U/P |
| 6.133 | 6.3931 | 0.0000 | 85.302 | 0.82759 | 0.00000 | 37961.6 | 7362.5 | 0.0 | U/P |
| 6.142 | 6.6082 | 0.0000 | 85.314 | 0.82961 | 0.00000 | 38156.6 | 7387.4 | 0.0 | U/P |
| 6.150 | 6.8093 | 0.0000 | 85.326 | 0.83170 | 0.00000 | 38357.9 | 7412.3 | 0.0 | U/P |
| 6.158 | 6.9946 | 0.0000 | 85.339 | 0.83386 | 0.00000 | 38564.9 | 7437.3 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}{ }^{3} / \mathrm{s}$ ) | Outside Recharge (f/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumu\{ative Infow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 6.167 | 7.1615 | 0.0000 | 85.352 | 0.83608 | 0.00000 | 38777.3 | 7462.3 | 0.0 | U/P |
| 6.175 | 7.3066 | 0.0000 | 85.365 | 0.83835 | 0.00000 | 38994.3 | 7487.4 | 0.0 | U/P |
| 6.183 | 7.4321 | 0.0000 | 85.379 | 0.84067 | 0.00000 | 39215.4 | 7512.6 | 0.0 | U/P |
| 6.192 | 7.5412 | 0.0000 | 85.392 | 0.84303 | 0.00000 | 39440.0 | 7537.9 | 0.0 | U/P |
| 6.200 | 7.6375 | 0.0000 | 85.406 | 0.84542 | 0.00000 | 39667.7 | 7563.2 | 0.0 | U/P |
| 6.208 | 7.7228 | 0.0000 | 85.420 | 0.84783 | 0.00000 | 39898.1 | 7588.6 | 0.0 | U/P |
| 6.217 | 7.7983 | 0.0000 | 85.434 | 0.85027 | 0.00000 | 40130.9 | 7614.1 | 0.0 | U/P |
| 6.225 | 7.8655 | 0.0000 | 85.449 | 0.85272 | 0.00000 | 40365.8 | 7639.6 | 0.0 | U/P |
| 6.233 | 7.9260 | 0.0000 | 85.463 | 0.85520 | 0.00000 | 40602.7 | 7665.2 | 0.0 | U/P |
| 6.242 | 7.9799 | 0.0000 | 85.477 | 0.85768 | 0.00000 | 40841.3 | 7690.9 | 0.0 | U/P |
| 6.250 | 8.0278 | 0.0000 | 85.492 | 0.86018 | 0.00000 | 41081.4 | 7716.7 | 0.0 | U/P |
| 6.258 | 8.0703 | 0.0000 | 85.506 | 0.86268 | 0.00000 | 41322.9 | 7742.5 | 0.0 | U/P |
| 6.267 | 8.1072 | 0.0000 | 85.521 | 0.86519 | 0.00000 | 41565.5 | 7768.5 | 0.0 | U/P |
| 6.275 | 8.1405 | 0.0000 | 85.535 | 0.86771 | 0.00000 | 41809.3 | 7794.5 | 0.0 | U/P |
| 6.283 | 8.1701 | 0.0000 | 85.550 | 0.87023 | 0.00000 | 42053.9 | 7820.5 | 0.0 | U/P |
| 6.292 | 8.1964 | 0.0000 | 85.564 | 0.87275 | 0.00000 | 42299.4 | 7846.7 | 0.0 | U/P |
| 6.300 | 8.2199 | 0.0000 | 85.579 | 0.87527 | 0.00000 | 42545.7 | 7872.9 | 0.0 | U/P |
| 6.308 | 8.2406 | 0.0000 | 85.593 | 0.87780 | 0.00000 | 42792.6 | 7899.2 | 0.0 | U/P |
| 6.317 | 8.2591 | 0.0000 | 85.608 | 0.88032 | 0.00000 | 43040.1 | 7925.6 | 0.0 | U/P |
| 6.325 | 8.2755 | 0.0000 | 85.622 | 0.88284 | 0.00000 | 43288.1 | 7952.0 | 0.0 | U/P |
| 6.333 | 8.2900 | 0.0000 | 85.637 | 0.88536 | 0.00000 | 43536.6 | 7978.5 | 0.0 | U/P |
| 6.342 | 8.3030 | 0.0000 | 85.651 | 0.88787 | 0.00000 | 43785.5 | 8005.1 | 0.0 | U/P |
| 6.350 | 8.3147 | 0.0000 | 85.666 | 0.89038 | 0.00000 | 44034.7 | 8031.8 | 0.0 | U/P |
| 6.358 | 8.3250 | 0.0000 | 85.680 | 0.89289 | 0.00000 | 44284.3 | 8058.5 | 0.0 | U/P |
| 6.367 | 8.3344 | 0.0000 | 85.695 | 0.89539 | 0.00000 | 44534.2 | 8085.4 | 0.0 | U/P |
| 6.375 | 8.3428 | 0.0000 | 85.709 | 0.89789 | 0.00000 | 44784.4 | 8112.3 | 0.0 | U/P |
| 6.383 | 8.3503 | 0.0000 | 85.723 | 0.90038 | 0.00000 | 45034.8 | 8139.2 | 0.0 | U/P |
| 6.392 | 8.3571 | 0.0000 | 85.738 | 0.90287 | 0.00000 | 45285.4 | 8166.3 | 0.0 | U/P |
| 6.400 | 8.3631 | 0.0000 | 85.752 | 0.90535 | 0.00000 | 45536.2 | 8193.4 | 0.0 | U/P |
| 6.408 | 8.3886 | 0.0000 | 85.766 | 0.90783 | 0.00000 | 45787.2 | 8220.6 | 0.0 | U/P |
| 6.417 | 8.3735 | 0.0000 | 85.781 | 0.91030 | 0.00000 | 46038.3 | 8247.9 | 0.0 | U/P |
| 6.425 | 8.3779 | 0.0000 | 85.795 | 0.91277 | 0.00000 | 46289.6 | 8275.2 | 0.0 | U/P |
| 6.433 | 8.3820 | 0.0000 | 85.809 | 0.91523 | 0.00000 | 46541.0 | 8302.7 | 0.0 | U/P |
| 6.442 | 8.3857 | 0.0000 | 85.823 | 0.91768 | 0.00000 | 46792.5 | 8330.1 | 0.0 | U/P |
| 6.450 | 8.3890 | 0.0000 | 85.837 | 0.92013 | 0.00000 | 47044.1 | 8357.7 | 0.0 | U/P |
| 6.458 | 8.3922 | 0.0000 | 85.851 | 0.92257 | 0.00000 | 47295.8 | 8385.4 | 0.0 | U/P |
| 6.467 | 8.3951 | 0.0000 | 85.865 | 0.92500 | 0.00000 | 47547.6 | 8413.1 | 0.0 | U/P |
| 6.475 | 8.3978 | 0.0000 | 85.879 | 0.92743 | 0.00000 | 47799.5 | 8440.9 | 0.0 | U/P |
| 6.483 | 8.4003 | 0.0000 | 85.893 | 0.92985 | 0.00000 | 48051.5 | 8468.7 | 0.0 | U/P |
| 6.492 | 8.4025 | 0.0000 | 85.907 | 0.93227 | 0.00000 | 48303.5 | 8496.6 | 0.0 | U/P |
| 6.500 | 8.4045 | 0.0000 | 85.921 | 0.93468 | 0.00000 | 48555.6 | 8524.7 | 0.0 | U/P |
| 6.508 | 8.4070 | 0.0000 | 85,935 | 0.93708 | 0.00000 | 48807.8 | 8552.7 | 0.0 | U/P |
| 6.517 | 8.4112 | 0.0000 | 85.949 | 0.93948 | 0.00000 | 49060.1 | 8580.9 | 0.0 | U/P |
| 6.525 | 8.4180 | 0.0000 | 85.962 | 0.94187 | 0.00000 | 49312.5 | 8609.1 | 0.0 | U/P |
| 6.533 | 8.4282 | 0.0000 | 85.976 | 0.94426 | 0.00000 | 49565.2 | 8637.4 | 0.0 | U/P |
| 6.542 | 8.4426 | 0.0000 | 85.990 | 0.94664 | 0.00000 | 49818.3 | 8665.8 | 0.0 | U/P |
| 6.550 | 8.4626 | 0.0000 | 86.004 | 0.94903 | 0.00000 | 50071.9 | 8694.2 | 0.0 | U/P |
| 6.558 | 8.4892 | 0.0000 | 86.017 | 0.95144 | 0.00000 | 50326.1 | 8722.7 | 0.0 | U/P |
| 6.567 | 8.5235 | 0.0000 | 86.031 | 0.95387 | 0.00000 | 50581.3 | 8751.3 | 0.0 | U/P |
| 6.575 | 8.5652 | 0.0000 | 86.045 | 0.95630 | 0.00000 | 50837.7 | 8779.9 | 0.0 | U/P |
| 6.583 | 8.6130 | 0.0000 | 86.059 | 0.95873 | 0.00000 | 51095.3 | 8808.7 | 0.0 | U/P |
| 6.592 | 8.6654 | 0.0000 | 86.073 | 0.96118 | 0.00000 | 51354.5 | 8837.4 | 0.0 | U/P |
| 6.600 | 8.7210 | 0.0000 | 86.086 | 0.96363 | 0.00000 | 51615.3 | 8866.3 | 0.0 | U/P |
| 6.608 | 8.7781 | 0.0000 | 86.100 | 0.96610 | 0.00000 | 51877.8 | 8895.3 | 0.0 | U/P |
| 6.617 | 8.8353 | 0.0000 | 86.114 | 0.96858 | 0.00000 | 52142.0 | 8924.3 | 0.0 | U/P |
| 6.625 | 8.8919 | 0.0000 | 86.129 | 0.97106 | 0.00000 | 52407.9 | 8953.4 | 0.0 | U/P |
| 6.633 | 8.9466 | 0.0000 | 86.143 | 0.97356 | 0.00000 | 52675.5 | 8982.6 | 0.0 | U/P |
| 6.642 | 8.9985 | 0.0000 | 86.157 | 0.97607 | 0.00000 | 52944.6 | 9011.8 | 0.0 | U/P |
| 6.650 | 9.0473 | 0.0000 | 86.171 | 0.97859 | 0.00000 | 53215.3 | 9041.1 | 0.0 | U/P |
| 6.658 | 9.0926 | 0.0000 | 86.186 | 0.98111 | 0.00000 | 53487.4 | 9070.5 | 0.0 | U/P |
| 6.667 | 9.1339 | 0.0000 | 86.200 | 0.98364 | 0.00000 | 53760.8 | 9100.0 | 0.0 | U/P |
| 6.675 | 9.1705 | 0.0000 | 86.214 | 0.98618 | 0.00000 | 54035.4 | 9129.5 | 0.0 | U/P |
| 6.683 | 9.2024 | 0.0000 | 86.229 | 0.98872 | 0.00000 | 54311.0 | 9159.2 | 0.0 | U/P |
| 6.692 | 9.2300 | 0.0000 | 86.243 | 0.99126 | 0.00000 | 54587.5 | 9188.9 | 0.0 | U/P |
| 6.700 | 9.2542 | 0.0000 | 86.258 | 0.99381 | 0.00000 | 54864.7 | 9218.6 | 0.0 | U/P |
| 6.708 | 9.2757 | 0.0000 | 86.272 | 0.99635 | 0.00000 | 55142.7 | 9248.5 | 0.0 | U/P |
| 6.717 | 9.2948 | 0.0000 | 86.286 | 0.99890 | 0.00000 | 55421.2 | 9278.4 | 0.0 | U/P |
| 6.725 | 9.3118 | 0.0000 | 86.301 | 1.00144 | 0.00000 | 55700.3 | 9308.4 | 0.0 | U/P |
| 6.733 | 9.3270 | 0.0000 | 86.315 | 1.00398 | 0.00000 | 55979.9 | 9338.5 | 0.0 | U/P |
| 6.742 | 9.3407 | 0.0000 | 86.329 | 1.00652 | 0.00000 | 56259.9 | 9368.7 | 0.0 | U/P |
| 6.750 | 9.3529 | 0.0000 | 86.344 | 1.00906 | 0.00000 | 56540.3 | 9398.9 | 0.0 | U/P |
| 6.758 | 9.3638 | 0.0000 | 86.358 | 1.01159 | 0.00000 | 56821.1 | 9429.2 | 0.0 | U/P |
| 6.767 | 9.3734 | 0.0000 | 86.372 | 1.01412 | 0.00000 | 57102.2 | 9459.6 | 0.0 | U/P |
| 6.775 | 9.3819 | 0.0000 | 86.387 | 1.01664 | 0.00000 | 57383.5 | 9490.0 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Outside Recharge (fl/day) | Stage Elevation (fl datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overfiow Discharge (ft ${ }^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 6.783 | 9.3896 | 0.0000 | 86.401 | 1.01916 | 0.00000 | 57665.1 | 9520.6 | 0.0 | U/P |
| 6.792 | 9.3964 | 0.0000 | 86.415 | 1.02168 | 0.00000 | 57946.8 | 9551.2 | 0.0 | U/P |
| 6.800 | 9.4026 | 0.0000 | 86.429 | 1.02419 | 0.00000 | 58228.8 | 9581.9 | 0.0 | U/P |
| 6.808 | 9.4081 | 0.0000 | 86.444 | 1.02669 | 0.00000 | 58511.0 | 9612.6 | 0.0 | U/P |
| 6.817 | 9.4130 | 0.0000 | 86.458 | 1.02919 | 0.00000 | 58793.3 | 9643.5 | 0.0 | U/P |
| 6.825 | 9.4174 | 0.0000 | 86.472 | 1.03169 | 0.00000 | 59075.8 | 9674.4 | 0.0 | U/P |
| 6.833 | 9.4214 | 0.0000 | 86.486 | 1.03418 | 0.00000 | 59358.3 | 9705.4 | 0.0 | U/P |
| 6.842 | 9.4249 | 0.0000 | 86.500 | 1.03666 | 0.00000 | 59641.0 | 9736.4 | 0.0 | U/P |
| 6.850 | 9.4281 | 0.0000 | 86.514 | 1.03914 | 0.00000 | 59923.8 | 9767.6 | 0.0 | U/P |
| 6.858 | 9.4310 | 0.0000 | 86.528 | 1.04161 | 0.00000 | 60206.7 | 9798.8 | 0.0 | U/P |
| 6.867 | 9.4337 | 0.0000 | 86.542 | 1.04408 | 0.00000 | 60489.7 | 9830.1 | 0.0 | U/P |
| 6.875 | 9.4361 | 0.0000 | 86.556 | 1.04654 | 0.00000 | 60772.7 | 9861.4 | 0.0 | U/P |
| 6.883 | 9.4383 | 0.0000 | 86.570 | 1.04899 | 0.00000 | 61055.9 | 9892.9 | 0.0 | U/P |
| 6.892 | 9.4402 | 0.0000 | 86.584 | 1.05144 | 0.00000 | 61339.0 | 9924.4 | 0.0 | U/P |
| 6.900 | 9.4421 | 0.0000 | 86.597 | 1.05389 | 0.00000 | 61622.3 | 9956.0 | 0.0 | U/P |
| 6.908 | 9.4437 | 0.0000 | 86.611 | 1.05633 | 0.00000 | 61905.6 | 9987.6 | 0.0 | U/P |
| 6.917 | 9.4453 | 0.0000 | 86.625 | 1.05876 | 0.00000 | 62188.9 | 10019.3 | 0.0 | U/P |
| 6.925 | 9.4467 | 0.0000 | 86.639 | 1.06118 | 0.00000 | 62472.3 | 10051.1 | 0.0 | U/P |
| 6.933 | 9.4480 | 0.0000 | 86.652 | 1.06360 | 0.00000 | 62755.7 | 10083.0 | 0.0 | U/P |
| 6.942 | 9.4492 | 0.0000 | 86.666 | 1.06602 | 0.00000 | 63039.1 | 10115.0 | 0.0 | U/P |
| 6.950 | 9.4503 | 0.0000 | 86.680 | 1.06843 | 0.00000 | 63322.6 | 10147.0 | 0.0 | U/P |
| 6.958 | 9.4514 | 0.0000 | 86.693 | 1.07083 | 0.00000 | 63606.2 | 10179.1 | 0.0 | U/P |
| 6.967 | 9.4524 | 0.0000 | 86.707 | 1.07323 | 0.00000 | 63889.7 | 10211.2 | 0.0 | U/P |
| 6.975 | 9.4533 | 0.0000 | 86.720 | 1.07562 | 0.00000 | 64173.3 | 10243.5 | 0.0 | U/P |
| 6.983 | 9.4542 | 0.0000 | 86.734 | 1.07800 | 0.00000 | 64456.9 | 10275.8 | 0.0 | U/P |
| 6.992 | 9.4551 | 0.0000 | 86.747 | 1.08038 | 0.00000 | 64740.6 | 10308.1 | 0.0 | U/P |
| 7.000 | 9.4558 | 0.0000 | 86.761 | 1.08276 | 0.00000 | 65024.2 | 10340.6 | 0.0 | U/P |
| 7.008 | 9.4567 | 0.0000 | 86.774 | 1.08513 | 0.00000 | 65307.9 | 10373.1 | 0.0 | U/P |
| 7.017 | 9.4611 | 0.0000 | 86.787 | 1.08749 | 0.00000 | 65591.7 | 10405.7 | 0.0 | U/P |
| 7.025 | 9.4719 | 0.0000 | 86.801 | 1.08985 | 0.00000 | 65875.7 | 10438.4 | 0.0 | U/P |
| 7.033 | 9.4915 | 0.0000 | 86.814 | 1.09221 | 0.00000 | 66160.1 | 10471.1 | 0.0 | U/P |
| 7.042 | 9.5215 | 0.0000 | 86.827 | 1.09456 | 0.00000 | 66445.3 | 10503.9 | 0.0 | U/P |
| 7.050 | 9.5651 | 0.0000 | 86.841 | 1.09692 | 0.00000 | 66731.6 | 10536.8 | 0.0 | U/P |
| 7.058 | 9.6256 | 0.0000 | 86.854 | 1.09929 | 0.00000 | 67019.5 | 10569.7 | 0.0 | U/P |
| 7.067 | 9.7055 | 0.0000 | 86.868 | 1.10166 | 0.00000 | 67309.4 | 10602.7 | 0.0 | U/P |
| 7.075 | 9.8068 | 0.0000 | 86.881 | 1.10406 | 0.00000 | 67602.1 | 10635.8 | 0.0 | U/P |
| 7.083 | 9.9263 | 0.0000 | 86.895 | 1.10647 | 0.00000 | 67898.1 | 10669.0 | 0.0 | U/P |
| 7.092 | 10.0600 | 0.0000 | 86.909 | 1.10892 | 0.00000 | 68197.9 | 10702.2 | 0.0 | $\mathrm{U} / \mathrm{P}$ |
| 7.100 | 10.2042 | 0.0000 | 86.923 | 1.11139 | 0.00000 | 68501.9 | 10735.5 | 0.0 | U/P |
| 7.108 | 10.3550 | 0.0000 | 86.937 | 1.11389 | 0.00000 | 68810.3 | 10768.9 | 0.0 | U/P |
| 7.117 | 10.5069 | 0.0000 | 86.952 | 1.11644 | 0.00000 | 69123.2 | 10802.3 | 0.0 | U/P |
| 7.125 | 10.6583 | 0.0000 | 86.967 | 1.11901 | 0.00000 | 69440.7 | 10835.9 | 0.0 | U/P |
| 7.133 | 10.8066 | 0.0000 | 86.981 | 1.12162 | 0.00000 | 69762.6 | 10869.5 | 0.0 | U/P |
| 7.142 | 10.9479 | 0.0000 | 86.997 | 1.12427 | 0.00000 | 70089.0 | 10903.2 | 0.0 | U/P |
| 7.150 | 11.0813 | 0.0000 | 87.012 | 1.12696 | 0.00000 | 70419.4 | 10936.9 | 0.0 | U/P |
| 7.158 | 11.2059 | 0.0000 | 87.027 | 1.12971 | 0.00000 | 70753.7 | 10970.8 | 0.0 | U/P |
| 7.167 | 11.3206 | 0.0000 | 87.043 | 1.13249 | 0.00000 | 71091.6 | 11004.7 | 0.0 | U/P |
| 7.175 | 11.4238 | 0.0000 | 87.058 | 1.13530 | 0.00000 | 71432.8 | 11038.7 | 0.0 | U/P |
| 7.183 | 11.5135 | 0.0000 | 87.074 | 1.13812 | 0.00000 | 71776.8 | 11072.8 | 0.0 | U/P |
| 7.192 | 11.5910 | 0.0000 | 87.090 | 1.14096 | 0.00000 | 72123.4 | 11107.0 | 0.0 | U/P |
| 7.200 | 11.6584 | 0.0000 | 87.106 | 1.14382 | 0.00000 | 72472.1 | 11141.3 | 0.0 | U/P |
| 7.208 | 11.7179 | 0.0000 | 87.122 | 1.14669 | 0.00000 | 72822.8 | 11175.6 | 0.0 | U/P |
| 7.217 | 11.7705 | 0.0000 | 87.138 | 1.14956 | 0.00000 | 73175.1 | 11210.1 | 0.0 | U/P |
| 7.225 | 11.8172 | 0.0000 | 87.154 | 1.15244 | 0.00000 | 73528.9 | 11244.6 | 0.0 | U/P |
| 7.233 | 11.8587 | 0.0000 | 87.170 | 1.15533 | 0.00000 | 73884.1 | 11279.2 | 0.0 | U/P |
| 7.242 | 11.8960 | 0.0000 | 87.186 | 1.15822 | 0.00000 | 74240.4 | 11313.9 | 0.0 | U/P |
| 7.250 | 11.9292 | 0.0000 | 87.202 | 1.16111 | 0.00000 | 74597.8 | 11348.7 | 0.0 | U/P |
| 7.258 | 11.9587 | 0.0000 | 87.218 | 1.16400 | 0.00000 | 74956.1 | 11383.6 | 0.0 | U/P |
| 7.267 | 11.9848 | 0.0000 | 87.234 | 1.16689 | 0.00000 | 75315.2 | 11418.6 | 0.0 | U/P |
| 7.275 | 12.0076 | 0.0000 | 87.250 | 1.16978 | 0.00000 | 75675.1 | 11453.6 | 0.0 | U/P |
| 7.283 | 12.0280 | 0.0000 | 87.266 | 1.17267 | 0.00000 | 76035.7 | 11488.7 | 0.0 | U/P |
| 7.292 | 12.0462 | 0.0000 | 87.282 | 1.17556 | 0.00000 | 76396.8 | 11524.0 | 0.0 | U/P |
| 7.300 | 12.0623 | 0.0000 | 87.298 | 1.17844 | 0.00000 | 76758.4 | 11559.3 | 0.0 | U/P |
| 7.308 | 12.0767 | 0.0000 | 87.314 | 1.18132 | 0.00000 | 77120.5 | 11594.7 | 0.0 | U/P |
| 7.317 | 12.0894 | 0.0000 | 87.330 | 1.18420 | 0.00000 | 77483.0 | 11630.2 | 0.0 | U/P |
| 7.325 | 12.1007 | 0.0000 | 87.346 | 1.18707 | 0.00000 | 77845.8 | 11665.7 | 0.0 | U/P |
| 7.333 | 12.1107 | 0.0000 | 87.362 | 1.18994 | 0.00000 | 78209.0 | 11701.4 | 0.0 | U/P |
| 7.342 | 12.1195 | 0.0000 | 87.378 | 1.19280 | 0.00000 | 78572.4 | 11737.1 | 0.0 | U/P |
| 7.350 | 12.1274 | 0.0000 | 87.394 | 1.19566 | 0.00000 | 78936.1 | 11773.0 | 0.0 | U/P |
| 7.358 | 12.1345 | 0.0000 | 87.410 | 1.19851 | 0.00000 | 79300.1 | 11808.9 | 0.0 | U/P |
| 7.367 | 12.1408 | 0.0000 | 87.426 | 1.20135 | 0.00000 | 79664.2 | 11844.9 | 0.0 | U/P |
| 7.375 | 12.1465 | 0.0000 | 87.441 | 1.20419 | 0.00000 | 80028.5 | 11880.9 | 0.0 | U/P |
| 7.383 | 12.1515 | 0.0000 | 87.457 | 1.20703 | 0.00000 | 80393.0 | 11917.1 | 0.0 | U/P |
| 7.392 | 12.1561 | 0.0000 | 87.473 | 1.20986 | 0.00000 | 80757.6 | 11953.4 | 0.0 | U/P |

PONDS Version 3.2.0207

# Retention Pond Recovery - Refined Method Copyright 2003 

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 7.400 | 12.1601 | 0.0000 | 87.489 | 1.21268 | 0.00000 | 81122.3 | 11989.7 | 0.0 | U/P |
| 7.408 | 12.1637 | 0.0000 | 87.504 | 1.21549 | 0.01447 | 81487.2 | 12026.1 | 0.2 | U/P |
| 7.417 | 12.1670 | 0.0000 | 87.520 | 1.21829 | 0.14768 | 81852.2 | 12062.6 | 2.6 | U/P |
| 7.425 | 12.1699 | 0.0000 | 87.535 | 1.22105 | 0.34883 | 82217.2 | 12099.2 | 10.1 | U/P |
| 7.433 | 12.1725 | 0.0000 | 87.550 | 1.22376 | 0.59411 | 82582.3 | 12135.9 | 24.2 | U/P |
| 7.442 | 12.1749 | 0.0000 | 87.564 | 1.22639 | 0.87120 | 82947.6 | 12172.7 | 46.2 | U/P |
| 7.450 | 12.1771 | 0.0000 | 87.578 | 1.22896 | 1.17169 | 83312.8 | 12209.5 | 76.9 | U/P |
| 7.458 | 12.1791 | 0.0000 | 87.592 | 1.23144 | 1.48915 | 83678.2 | 12246.4 | 116.8 | U/P |
| 7.467 | 12.1809 | 0.0000 | 87.605 | 1.23383 | 1.81846 | 84043.6 | 12283.4 | 166.4 | U/P |
| 7.475 | 12.1826 | 0.0000 | 87.617 | 1.23614 | 2.15541 | 84409.0 | 12320.4 | 226.0 | U/P |
| 7.483 | 12.1842 | 0.0000 | 87.630 | 1.23836 | 2.49650 | 84774.5 | 12357.5 | 295.8 | U/P |
| 7.492 | 12.1856 | 0.0000 | 87.641 | $\uparrow .24049$ | 2.83880 | 85140.1 | 12394.7 | 375.8 | U/P |
| 7.500 | 12.1868 | 0.0000 | 87.652 | 1.24253 | 3.17985 | 85505.7 | 12432.0 | 466.1 | U/P |
| 7.508 | 12.1880 | 0.0000 | 87.663 | 1.24448 | 3.51761 | 85871.3 | 12469.3 | 566.5 | U/P |
| 7.517 | 12.1913 | 0.0000 | 87.673 | 1.24634 | 3.85042 | 86237.0 | 12506.6 | 677.1 | U/P |
| 7.525 | 12.2007 | 0.0000 | 87.683 | 1.24811 | 4.17708 | 86602.9 | 12544.1 | 797.5 | U/P |
| 7.533 | 12.2194 | 0.0000 | 87.692 | 1.24981 | 4.49683 | 86969.2 | 12581.5 | 927.6 | U/P |
| 7.542 | 12.2496 | 0.0000 | 87.701 | 1.25143 | 4.80928 | 87336.2 | 12619.0 | 1067.2 | U/P |
| 7.550 | 12.2943 | 0.0000 | 87.709 | 1.25297 | 5.11435 | 87704.3 | 12656.6 | 1216.0 | U/P |
| 7.558 | 12.3576 | 0.0000 | 87.717 | 1.25445 | 5.41235 | 88074.1 | 12694.2 | 1373.9 | U/P |
| 7.567 | 12.4429 | 0.0000 | 87.725 | 1.25587 | 5.70389 | 88446.1 | 12731.9 | 1540.7 | U/P |
| 7.575 | 12.5531 | 0.0000 | 87.732 | 1.25723 | 5.98987 | 88821.1 | 12769.6 | 1716.1 | U/P |
| 7.583 | 12.6873 | 0.0000 | 87.739 | 1.25855 | 6.27134 | 89199.7 | 12807.3 | 1900.0 | U/P |
| 7.592 | 12.8410 | 0.0000 | 87.746 | 1.25983 | 6.54926 | 89582.6 | 12845.1 | 2092.3 | U/P |
| 7.600 | 13.0095 | 0.0000 | 87.753 | 1.26108 | 6.82439 | 89970.4 | 12882.9 | 2292.9 | U/P |
| 7.608 | 13.1884 | 0.0000 | 87.760 | 1.26230 | 7.09729 | 90363.3 | 12920.7 | 2501.7 | U/P |
| 7.617 | 13.3717 | 0.0000 | 87.767 | 1.26349 | 7.36821 | 90761.7 | 12958.6 | 2718.7 | U/P |
| 7.625 | 13.5554 | 0.0000 | 87.773 | 1.26466 | 7.63720 | 91165.6 | 12996.6 | 2943.8 | U/P |
| 7.633 | 13.7368 | 0.0000 | 87.779 | 1.26581 | 7.90409 | 91575.0 | 13034.5 | 3176.9 | U/P |
| 7.642 | 13.9119 | 0.0000 | 87.785 | 1.26694 | 8.16857 | 91989.8 | 13072.5 | 3418.0 | U/P |
| 7.650 | 14.0780 | 0.0000 | 87.792 | 1.26804 | 8.43015 | 92409.6 | 13110.5 | 3667.0 | U/P |
| 7.658 | 14.2340 | 0.0000 | 87.797 | 1.26912 | 8.68825 | 92834.3 | 13148.6 | 3923.8 | U/P |
| 7.667 | 14.3786 | 0.0000 | 87.803 | 1.27017 | 8.94225 | 93263.5 | 13186.7 | 4188.2 | U/P |
| 7.675 | 14.5102 | 0.0000 | 87.809 | 1.27119 | 9.19149 | 93696.8 | 13224.8 | 4460.2 | U/P |
| 7.683 | 14.6264 | 0.0000 | 87.814 | 1.27219 | 9.43521 | 94133.8 | 13263.0 | 4739.6 | U/P |
| 7.692 | 14.7271 | 0.0000 | 87.820 | 1.27315 | 9.67262 | 94574.2 | 13301.1 | 5026.3 | U/P |
| 7.700 | 14.8144 | 0.0000 | 87.825 | 1.27407 | 9.90303 | 95017.3 | 13339.3 | 5319.9 | U/P |
| 7.708 | 14.8909 | 0.0000 | 87.829 | 1.27496 | 10.12593 | 95462.9 | 13377.6 | 5620.3 | U/P |
| 7.717 | 14.9584 | 0.0000 | 87.834 | 1.27582 | 10.34098 | 95910.6 | 13415.8 | 5927.3 | U/P |
| 7.725 | 15.0182 | 0.0000 | 87.839 | 1.27664 | 10.54798 | 96360.2 | 13454.1 | 6240.7 | U/P |
| 7.733 | 15.0712 | 0.0000 | 87.843 | 1.27742 | 10.74679 | 96811.6 | 13492.4 | 6560.1 | U/P |
| 7.742 | 15.1186 | 0.0000 | 87.847 | 1.27816 | 10.93739 | 97264.4 | 13530.8 | 6885.3 | U/P |
| 7.750 | $\$ 5.1610$ | 0.0000 | 87.851 | 1.27887 | 11.11980 | 97718.6 | 13569.1 | 7216.2 | U/P |
| 7.758 | 15.1987 | 0.0000 | 87.854 | 1.27955 | 11.29410 | 98174.0 | 13607.5 | 7552.4 | U/P |
| 7.767 | 15.2321 | 0.0000 | 87.858 | 1.28019 | 11.46039 | 98630.5 | 13645.9 | 7893.7 | U/P |
| 7.775 | 15.2614 | 0.0000 | 87.861 | 1.28079 | 11.61880 | 99087.9 | 13684.3 | 8239.9 | U/P |
| 7.783 | 15.2873 | 0.0000 | 87.864 | 1.28137 | 11.76947 | 99546.1 | 13722.7 | 8590.7 | U/P |
| 7.792 | 15.3105 | 0.0000 | 87.867 | 1.28192 | 11.91263 | 100005.1 | 13761.2 | 8946.0 | U/P |
| 7.800 | 15.3310 | 0.0000 | 87.870 | 1.28243 | 12.04848 | 100464.7 | 13799.7 | 9305.4 | U/P |
| 7.808 | 15.3492 | 0.0000 | 87.873 | 1.28292 | 12.17727 | 100924.9 | 13838.1 | 9668.8 | U/P |
| 7.817 | 15.3653 | 0.0000 | 87.875 | 1.28338 | 12.29923 | 101385.6 | 13876.6 | 10035.9 | U/P |
| 7.825 | 15.3796 | 0.0000 | 87.877 | 1.28381 | 12.41463 | 101846.8 | 13915.1 | 10406.6 | U/P |
| 7.833 | 15.3923 | 0.0000 | 87.880 | 1.28422 | 12.52371 | 102308.4 | 13953.7 | 10780.7 | U/P |
| 7.842 | 15.4035 | 0.0000 | 87.882 | 1.28461 | 12.62673 | 102770.3 | 13992.2 | 11158.0 | U/P |
| 7.850 | 15.4134 | 0.0000 | 87.884 | 1.28497 | 12.72396 | 103232.6 | 14030.7 | 11538.2 | U/P |
| 7.858 | 15.4223 | 0.0000 | 87.885 | 1.28531 | 12.81565 | 103695.1 | 14069.3 | 11921.3 | U/P |
| 7.867 | 15.4302 | 0.0000 | 87.887 | 1.28563 | 12.90208 | 104157.9 | 14107.9 | 12307.1 | U/P |
| 7.875 | 15.4372 | 0.0000 | 87.889 | 1.28593 | 12.98349 | 104620.9 | 14146.4 | 12695.4 | U/P |
| 7.883 | 15.4435 | 0.0000 | 87.890 | 1.28622 | 13.06012 | 105084.1 | 14185.0 | 13086.0 | U/P |
| 7.892 | 15.4491 | 0.0000 | 87.892 | 1.28648 | 13.13223 | 105547.5 | 14223.6 | 13478.9 | U/P |
| 7.900 | 15.4541 | 0.0000 | 87.893 | 1.28674 | 13.20004 | 106011.0 | 14262.2 | 13873.9 | U/P |
| 7.908 | 15.4585 | 0.0000 | 87.894 | ¢. 28697 | 13.26379 | 106474.7 | 14300.8 | 14270.9 | U/P |
| 7.917 | 15.4625 | 0.0000 | 87.896 | 1.28719 | 13.32369 | 106938.5 | 14339.4 | 14669.7 | U/P |
| 7.925 | 15.4661 | 0.0000 | 87.897 | 1.28740 | 13.37995 | 107402.5 | 14378.0 | 15070.2 | U/P |
| 7.933 | 15.4692 | 0.0000 | 87.898 | 1.28759 | 13.43277 | 107866.5 | 14416.7 | 15472.4 | U/P |
| 7.942 | 15.4721 | 0.0000 | 87.899 | 1.28777 | 13.48234 | 108330.6 | 14455.3 | 15876.1 | U/P |
| 7.950 | 15.4746 | 0.0000 | 87.900 | 1.28794 | 13.52885 | 108794.8 | 14493.9 | 16281.3 | U/P |
| 7.958 | 15.4770 | 0.0000 | 87.901 | 1.28810 | 13.57248 | 109259.1 | 14532.6 | 16687.8 | U/P |
| 7.967 | 15.4791 | 0.0000 | 87.901 | 1.28825 | 13.61339 | 109723.4 | 14571.2 | 17095.6 | U/P |
| 7.975 | 15.4811 | 0.0000 | 87.902 | 1.28839 | 13.65175 | 110187.8 | 14609.9 | 17504.6 | U/P |
| 7.983 | 15.4829 | 0.0000 | 87.903 | 1.28852 | 13.68771 | 110652.3 | 14648.5 | 17914.7 | U/P |
| 7.992 | 15.4845 | 0.0000 | 87.903 | 1.28865 | 13.72141 | 111116.8 | 14687.2 | 18325.8 | U/P |
| 8.000 | 15.4898 | 0.0000 | 87.904 | 1.28876 | 13.75312 | 111581.4 | 14725.8 | 18737.9 | U/P |
| 8.008 | 15.5023 | 0.0000 | 87.905 | 1.28887 | 13.78332 | 112046.3 | 14764.5 | 19151.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation ( f datum) | Infilifration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{f}{ }^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumuiative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 8.017 | 15.5248 | 0.0000 | 87.905 | 1.28898 | 13.81270 | 112511.7 | 14803.2 | 19564.9 | U/P |
| 8.025 | 15.5591 | 0.0000 | 87.906 | 1.28908 | 13.84201 | 112978.0 | 14841.8 | 19979.7 | U/P |
| 8.033 | 15.6090 | 0.0000 | 87.906 | 1.28918 | 13.87219 | 113445.5 | 14880.5 | 20395.5 | U/P |
| 8.042 | 15.6782 | 0.0000 | 87.907 | 1.28929 | 13.90434 | 113914.8 | 14919.2 | 20812.1 | U/P |
| 8.050 | 15.7698 | 0.0000 | 87.908 | 1.28941 | 13.93973 | 114386.5 | 14957.9 | 21229.8 | U/P |
| 8.058 | 15.8864 | 0.0000 | 87.908 | 1.28954 | 13.97972 | 114861.4 | 14996.6 | 21648.6 | U/P |
| 8.067 | 16.0244 | 0.0000 | 87.909 | 1.28969 | 14.02558 | 115340.0 | 15035.2 | 22068.6 | U/P |
| 8.075 | 16.1794 | 0.0000 | 87.910 | 1.28987 | 14.07820 | 115823.1 | 15073.9 | 22490.2 | U/P |
| 8.083 | 16.3471 | 0.0000 | 87.912 | 1.29006 | 14.13815 | 116311.0 | 15112.6 | 22913.4 | U/P |
| 8.092 | 16.5228 | 0.0000 | 87.913 | 1.29029 | 14.20566 | 116804.0 | 15151.3 | 23338.6 | U/P |
| 8.100 | 16.7002 | 0.0000 | 87.914 | 1.29053 | 14.28057 | 117302.4 | 15190.1 | 23765.9 | U/P |
| 8.108 | 16.8773 | 0.0000 | 87.916 | 1.29081 | 14.36247 | 117806.0 | 15228.8 | 24195.5 | U/P |
| 8.117 | 17.0508 | 0.0000 | 87.918 | 1.29110 | 14.45078 | \$18315.0 | 15267.5 | 24627.7 | U/P |
| 8.125 | 17.2166 | 0.0000 | 87.919 | 1.29142 | 14.54471 | \$18829.0 | 15306.2 | 25062.7 | U/P |
| 8.133 | 17.3731 | 0.0000 | 87.921 | 1.29175 | 14.64335 | 119347.8 | 15345.0 | 25500.5 | U/P |
| 8.142 | 17.5195 | 0.0000 | 87.923 | 1.29210 | 14.74574 | 119871.2 | 15383.7 | 25941.3 | U/P |
| 8.150 | 17.6543 | 0.0000 | 87.925 | 1.29245 | 14.85090 | 120398.8 | 15422.5 | 26385.3 | U/P |
| 8.158 | 17.7759 | 0.0000 | 87.927 | 1.29282 | 14.95782 | 120930.3 | 15461.3 | 26832.4 | U/P |
| 8.167 | 17.8817 | 0.0000 | 87.929 | 1.29319 | 15.06539 | 121465.1 | 15500.1 | 27282.8 | U/P |
| 8.175 | 17.9731 | 0.0000 | 87.931 | 1.29355 | 15.17254 | 122003.0 | 15538.9 | 27736.3 | U/P |
| 8.183 | 18.0525 | 0.0000 | 87.933 | 1.29392 | 15.27839 | 122543.3 | 15577.7 | 28193.1 | U/P |
| 8.192 | 18.1224 | 0.0000 | 87.935 | 1.29427 | 15.38228 | 123086.0 | 15616.5 | 28653.0 | U/P |
| 8.200 | 18.1843 | 0.0000 | 87.937 | 1.29462 | 15.48374 | 123630.6 | 15655.4 | 29116.0 | U/P |
| 8.208 | 18.2391 | 0.0000 | 87.939 | 1.29496 | 15.58239 | 124176.9 | 15694.2 | 29582.0 | U/P |
| 8.217 | 18.2878 | 0.0000 | 87.941 | 1.29529 | 15.67795 | 124724.8 | 15733.1 | 30050.9 | U/P |
| 8.225 | 18.3315 | 0.0000 | 87.943 | 1.29560 | 15.77025 | 125274.1 | 15771.9 | 30522.6 | U/P |
| 8.233 | 18.3704 | 0.0000 | 87.944 | 1.29591 | 15.85914 | 125824.6 | 15810.8 | 30997.0 | U/P |
| 8.242 | 18.4050 | 0.0000 | 87.946 | 1.29620 | 15.94454 | 126376.3 | 15849.7 | 31474.1 | U/P |
| 8.250 | 18.4355 | 0.0000 | 87.947 | 1.29648 | 16.02638 | 126928.9 | 15888.6 | 31953.7 | U/P |
| 8.258 | 18.4621 | 0.0000 | 87.949 | 1.29675 | 16.10461 | 127482.3 | 15927.5 | 32435.6 | U/P |
| 8.267 | 18.4859 | 0.0000 | 87.950 | 1.29701 | 16.17924 | 128036.6 | 15966.4 | 32919.9 | U/P |
| 8.275 | 18.5071 | 0.0000 | 87.952 | 1.29725 | 16.25031 | 728591.5 | 16005.3 | 33406.3 | U/P |
| 8.283 | 18.5258 | 0.0000 | 87.953 | 1.29748 | 16.31789 | 129147.0 | 16044.2 | 33894.9 | U/P |
| 8.292 | 18.5425 | 0.0000 | 87.954 | 1.29770 | 16.38205 | 129703.0 | 16083.1 | 34385.4 | U/P |
| 8.300 | 18.5572 | 0.0000 | 87.955 | 1.29791 | 16.44287 | 130259.5 | 16122.1 | 34877.7 | U/P |
| 8.308 | 18.5703 | 0.0000 | 87.956 | 1.29810 | 16.50046 | 130816.4 | 16161.0 | 35371.9 | U/P |
| 8.317 | 18.5819 | 0.0000 | 87.957 | 1.29829 | 16.55491 | 131373.7 | 16199.9 | 35867.7 | U/P |
| 8.325 | 18.5920 | 0.0000 | 87.958 | 1.29847 | 16.60635 | 131931.3 | 16238.9 | 36365.1 | U/P |
| 8.333 | 18.6010 | 0.0000 | 87.959 | 1.29863 | 16.65488 | 132489,2 | 16277.9 | 36864.0 | U/P |
| 8.342 | 18.6091 | 0.0000 | 87.960 | 1.29879 | 16.70063 | 133047.3 | 16316.8 | 37364.4 | U/P |
| 8.350 | 18.6163 | 0.0000 | 87.961 | 1.29893 | 16.74372 | 133605.7 | 16355.8 | 37866.0 | U/P |
| 8.358 | 18.6227 | 0.0000 | 87.961 | 1.29907 | 16.78429 | 134164.3 | 16394.8 | 38369.0 | U/P |
| 8.367 | 18.6284 | 0.0000 | 87.962 | 1.29920 | 16.82244 | 134723.1 | 16433.7 | 38873.1 | U/P |
| 8.375 | 18.6335 | 0.0000 | 87.963 | 1.29932 | 16.85830 | 135282.0 | 16472.7 | 39378.3 | U/P |
| 8.383 | 18.6380 | 0.0000 | 87.963 | 1.29944 | 16.89198 | 135841.1 | 16511.7 | 39884.5 | U/P |
| 8.392 | 18.6420 | 0.0000 | 87.964 | 1.29954 | 16.92360 | 136400.3 | 16550.7 | 40391.8 | U/P |
| 8.400 | 18.6456 | 0.0000 | 87.965 | 1.29965 | 16.95327 | 136959.6 | 16589.7 | 40899.9 | U/P |
| 8.408 | 18.6488 | 0.0000 | 87.965 | 1.29974 | 16.98109 | 137519.0 | 16628.7 | 41408.9 | U/P |
| 8.417 | 18.6517 | 0.0000 | 87.965 | 1.29983 | 17.00716 | 138078.5 | 16667.6 | 41918.8 | U/P |
| 8.425 | 18.6542 | 0.0000 | 87.966 | 1.29991 | 17.03159 | 138638.1 | 16706.6 | 42429.3 | U/P |
| 8.433 | \$8.6565 | 0.0000 | 87.966 | 1.29999 | 17.05447 | 139197.8 | 16745.6 | 42940.6 | U/P |
| 8.442 | 18.6586 | 0.0000 | 87.967 | 1.30006 | 17.07589 | 139757.5 | 16784.6 | 43452.6 | U/P |
| 8.450 | 18.6605 | 0.0000 | 87.967 | 1.30013 | 17.09594 | 140317.3 | 16823.6 | 43965.2 | U/P |
| 8.458 | 18.6623 | 0.0000 | 87.967 | 1.30019 | 17.11471 | 140877.1 | 16862.6 | 44478.3 | U/P |
| 8.467 | 18.6639 | 0.0000 | 87.968 | 1.30025 | 17.13227 | 141437.0 | 16901.7 | 44992.0 | U/P |
| 8.475 | 18.6654 | 0.0000 | 87.968 | 1.30031 | 17.14869 | 141996.9 | 16940.7 | 45506.2 | U/P |
| 8.483 | 18.6666 | 0.0000 | 87.968 | 1.30036 | 17.16405 | 142556.9 | 16979.7 | 46020.9 | U/P |
| 8.492 | 18.6678 | 0.0000 | 87.969 | 1.30041 | 17.17840 | 143116.9 | 17018.7 | 46536.1 | U/P |
| 8.500 | 18.6687 | 0.0000 | 87.969 | 1.30045 | 17.19181 | 143677.0 | 17057.7 | 47051.6 | U/P |
| 8.508 | 18.6696 | 0.0000 | 87.969 | 1.30050 | 17.20434 | 144237.0 | 17096.7 | 47567.6 | U/P |
| 8.517 | 18.6703 | 0.0000 | 87.969 | 1.30054 | 17.21604 | 144797.2 | 17135.7 | 48083.9 | U/P |
| 8.525 | 18.6709 | 0.0000 | 87.970 | 1.30057 | 17.22695 | 145357.3 | 17174.7 | 48600.5 | U/P |
| 8.533 | 18.6713 | 0.0000 | 87.970 | 1.30061 | 17.23712 | 145917.4 | 17213.8 | 49117.5 | U/P |
| 8.542 | 18.6716 | 0.0000 | 87.970 | 1.30064 | 17.24660 | 146477.5 | 17252.8 | 49634.7 | U/P |
| 8.550 | 18.6718 | 0.0000 | 87.970 | 1.30067 | 17.25542 | 147037.7 | 17291.8 | 50152.3 | U/P |
| 8.558 | 18.6720 | 0.0000 | 87.970 | 1.30070 | 17.26363 | 147597.8 | 17330.8 | 50670.0 | U/P |
| 8.567 | 18.6722 | 0.0000 | 87.970 | 1.30072 | 17.27127 | 148158.0 | 17369.8 | 51188.1 | U/P |
| 8.575 | 18.6724 | 0.0000 | 87.970 | 1.30075 | 17.27839 | 148718.2 | 17408.9 | 51706.3 | U/P |
| 8.583 | 18.6726 | 0.0000 | 87.971 | 1.30077 | 17.28501 | 149278.4 | 17447.9 | 52224.8 | U/P |
| 8.592 | 18.6728 | 0.0000 | 87.971 | 1.30079 | 17.29117 | 149838.5 | 17486.9 | 52743.4 | U/P |
| 8.600 | 18.6730 | 0.0000 | 87.971 | 1.30081 | 17.29691 | 150398.7 | 17525.9 | 53262.2 | U/P |
| 8.608 | 18.6731 | 0.0000 | 87.971 | 4.30083 | 17.30225 | 150958.9 | 17565.0 | 53781.2 | U/P |
| 8.617 | 18.6733 | 0.0000 | 87.971 | 1.30084 | 17.30723 | 151519.1 | 17604.0 | 54300.4 | U/P |
| 8.625 | 18.6735 | 0.0000 | 87.971 | 1.30086 | 17.31186 | 152079.3 | 17643.0 | 54819.6 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation ( ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overfiow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{n}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 8.633 | 18.6737 | 0.0000 | 87.971 | 1.30087 | 17.31618 | 152639.5 | 17682.0 | 55339.1 | U/P |
| 8.642 | 18.6739 | 0.0000 | 87.971 | 1.30089 | 17.32021 | 153199.7 | 17721.1 | 55858.6 | U/P |
| 8.650 | 18.6740 | 0.0000 | 87.971 | 1.30090 | 17.32396 | 153760.0 | 17760.1 | 56378.3 | U/P |
| 8.658 | 18.6742 | 0.0000 | 87.971 | 1.30091 | 17.32745 | 154320.2 | 17799.1 | 56898.0 | U/P |
| 8.667 | 18.6744 | 0.0000 | 87.971 | 1.30092 | 17.33071 | 154880.4 | 17838.1 | 57417.9 | U/P |
| 8.675 | 18.6746 | 0.0000 | 87.971 | 1.30093 | 17.33375 | 155440.6 | 17877.2 | 57937.9 | U/P |
| 8.683 | 18.6747 | 0.0000 | 87.971 | 1.30094 | 17.33659 | 156000.9 | \$7916.2 | 58457.9 | U/P |
| 8.692 | 18.6749 | 0.0000 | 87.972 | 1.30095 | 17.33923 | 156561.1 | 17955.2 | 58978.1 | U/P |
| 8.700 | 18.6751 | 0.0000 | 87.972 | 1.30096 | 17.34170 | 157121.4 | 17994.3 | 59498.3 | U/P |
| 8.708 | 18.6752 | 0.0000 | 87.972 | 1.30097 | 17.34401 | 157681.6 | 18033.3 | 60018.6 | U/P |
| 8.717 | 18.6754 | 0.0000 | 87.972 | \$. 30098 | 17.34616 | 158241.9 | 18072.3 | 60538.9 | U/P |
| 8.725 | 18.6756 | 0.0000 | 87.972 | 1.30098 | 17.34817 | 158802.1 | 18111.3 | 61059.3 | U/P |
| 8.733 | 18.6757 | 0.0000 | 87.972 | 1.30099 | 17.35005 | 159362.4 | 18150.4 | 61579.8 | U/P |
| 8.742 | 18.6759 | 0.0000 | 87.972 | 1.30100 | 17.35181 | 159922.7 | 18189.4 | 62100.3 | U/P |
| 8.750 | 18.6760 | 0.0000 | 87.972 | 1.30100 | 17.35345 | 160483.0 | 18228.4 | 62620.9 | U/P |
| 8.758 | 18.6762 | 0.0000 | 87.972 | 1.30104 | 17.35499 | 161043.3 | 18267.5 | 63141.6 | U/P |
| 8.767 | 18.6764 | 0.0000 | 87.972 | 1.30101 | 17.35643 | 161603.5 | 18306.5 | 63662.2 | U/P |
| 8.775 | 18.6765 | 0.0000 | 87.972 | 1.30102 | 17.35778 | 162163.8 | 18345.5 | 64182.9 | U/P |
| 8.783 | 18.6767 | 0.0000 | 87.972 | 1.30102 | 17.35905 | 162724.1 | 18384.6 | 64703.7 | U/P |
| 8.792 | 18.6768 | 0.0000 | 87.972 | 1.30102 | 17.36023 | 163284.4 | 18423.6 | 65224.5 | U/P |
| 8.800 | 18.6770 | 0.0000 | 87.972 | 1.30103 | 17.36134 | 163844.7 | 18462.6 | 65745.3 | U/P |
| 8.808 | 18.6771 | 0.0000 | 87.972 | 1.30103 | 17.36238 | 164405.0 | 18501.6 | 66266.2 | U/P |
| 8.817 | 18.6773 | 0.0000 | 87.972 | 1.30103 | 17.36337 | 164965.4 | 18540.7 | 66787.0 | U/P |
| 8.825 | 18.6774 | 0.0000 | 87.972 | 1.30104 | 17.36428 | 165525.7 | 18579.7 | 67308.0 | U/P |
| 8.833 | 18.6776 | 0.0000 | 87.972 | 1.30104 | 17.36515 | 166086.0 | 18618.7 | 67828.9 | U/P |
| 8.842 | 18.6777 | 0.0000 | 87.972 | 1.30104 | 17.36596 | 166646.3 | 18657.8 | 68349.9 | U/P |
| 8.850 | 18.6779 | 0.0000 | 87.972 | 1.30105 | 17.36673 | 167206.7 | 18696.8 | 68870.9 | U/P |
| 8.858 | 18.6780 | 0.0000 | 87.972 | 1.30105 | 17.36745 | 167767.0 | 18735.8 | 69391.9 | U/P |
| 8.867 | 18.6782 | 0.0000 | 87.972 | 1.30105 | 17.36813 | 168327.4 | 18774.9 | 69912.9 | U/P |
| 8.875 | 18.6783 | 0.0000 | 87.972 | 1.30105 | 17.36877 | 168887.7 | 18813.9 | 70434.0 | U/P |
| 8.883 | 18.6784 | 0.0000 | 87.972 | 1.30105 | 17.36938 | 169448.1 | 18852.9 | 70955.0 | U/P |
| 8.892 | 18.6786 | 0.0000 | 87.972 | 1.30106 | 17.36995 | 170008.4 | 18892.0 | 71476.1 | U/P |
| 8.900 | 18.6787 | 0.0000 | 87.972 | 1.30106 | 17.37049 | 170568.8 | 18931.0 | 71997.2 | U/P |
| 8.908 | 18.6788 | 0.0000 | 87.972 | 1.30106 | 17.37101 | 171129.1 | 18970.0 | 72518.3 | U/P |
| 8.917 | 18.6790 | 0.0000 | 87.972 | 1.30106 | 17.37149 | 171689.5 | 19009.1 | 73039.5 | U/P |
| 8.925 | 18.6791 | 0.0000 | 87.972 | 1.30106 | 17.37196 | 172249.9 | 19048.1 | 73560.6 | U/P |
| 8.933 | 18.6792 | 0.0000 | 87.972 | 1.30106 | 17.37239 | 172810.3 | 19087.1 | 74081.8 | U/P |
| 8.942 | 18.6794 | 0.0000 | 87.972 | 1.30107 | 17.37281 | 173370.6 | 19726.2 | 74603.0 | U/P |
| 8.950 | 18.6795 | 0.0000 | 87.972 | 1.30107 | 17.37320 | 173931.0 | 19165.2 | 75124.2 | U/P |
| 8.958 | 18.6796 | 0.0000 | 87.972 | 1.30107 | 17.37358 | 174491.4 | 19204.2 | 75645.4 | U/P |
| 8.967 | 18.6798 | 0.0000 | 87.972 | 1.30107 | 17.37394 | 175051.8 | 19243.2 | 76166.6 | U/P |
| 8.975 | 18.6799 | 0.0000 | 87.972 | 1.30107 | 17.37428 | 175612.2 | 19282.3 | 76687.8 | U/P |
| 8.983 | 18.6800 | 0.0000 | 87.972 | 1.30107 | 17.37461 | 176172.6 | 19321.3 | 77209.0 | U/P |
| 8.992 | 18.6801 | 0.0000 | 87.972 | 1.30107 | 17.37492 | 176733.0 | 19360.3 | 77730.3 | U/P |
| 9.000 | 18.6803 | 0.0000 | 87.972 | 1.30107 | 17.37522 | 177293.4 | 19399.4 | 78251.5 | U/P |
| 9.008 | 18.6733 | 0.0000 | 87.972 | 1.30107 | 17.37525 | 177853.7 | 19438.4 | 78772.8 | U/P |
| 9.017 | 18.6530 | 0.0000 | 87.972 | 1.30107 | 17.37432 | 178413.6 | 19477.4 | 79294.0 | U/P |
| 9.025 | 18.6146 | 0.0000 | 87.972 | 1.30107 | 17.37136 | 178972.6 | 19516.5 | 79815.2 | U/P |
| 9.033 | 18.5549 | 0.0000 | 87.972 | 1.30105 | 17.36513 | 179530.1 | 19555.5 | 80336.3 | U/P |
| 9.042 | 18.4669 | 0.0000 | 87.972 | 1.30102 | 17.35410 | 180085.5 | 19594.5 | 80857.1 | U/P |
| 9.050 | 18.3444 | 0.0000 | 87.971 | 1.30098 | 17.33639 | 180637.6 | 19633.6 | 81377.4 | U/P |
| 9.058 | 18.1817 | 0.0000 | 87.971 | 1.30090 | 17.30982 | 181185.5 | 19672.6 | 81897.1 | U/P |
| 9.067 | 17.9741 | 0.0000 | 87.970 | 1.30080 | 17.27203 | 181727.9 | 19711.6 | 82415.8 | U/P |
| 9.075 | 17.7289 | 0.0000 | 87.969 | 1.30065 | 17.22090 | 182263.4 | 19750.6 | 82933.2 | U/P |
| 9.083 | 17.4537 | 0.0000 | 87.968 | 1.30046 | 17.15502 | 182791.1 | 19789.7 | 83448.9 | U/P |
| 9.092 | 17.1565 | 0.0000 | 87.967 | 1.30022 | 17.07365 | 183310.3 | 19828.7 | 83962.3 | U/P |
| 9.100 | 16.8451 | 0.0000 | 87.965 | 1.29993 | 16.97668 | 183820.3 | 19867.7 | 84473.1 | U/P |
| 9.108 | 16.5314 | 0.0000 | 87.963 | 1.29959 | 16.86469 | 184321.0 | 19906.7 | 84980.7 | U/P |
| 9.117 | 16.2185 | 0.0000 | 87.961 | 1.29920 | 16.73879 | 184812.2 | 19945.6 | 85484.7 | U/P |
| 9.125 | 15.9118 | 0.0000 | 87.958 | 1.29876 | 16.60028 | 185294.2 | 19984.6 | 85984.8 | U/P |
| 9.133 | 15.6193 | 0.0000 | 87.955 | 1.29828 | 16.45086 | 185767.1 | 20023.6 | 86480.6 | U/P |
| 9.142 | 15.3433 | 0.0000 | 87.952 | 1.29777 | 16.29244 | 186231.6 | 20062.5 | 86971.7 | U/P |
| 9.150 | 15.0854 | 0.0000 | 87.949 | 1.29723 | 16.12695 | 186688.0 | 20101.4 | 87458.0 | U/P |
| 9.158 | 14.8480 | 0.0000 | 87.946 | 1.29667 | 15.95627 | 187137.0 | 20140.3 | 87939.3 | U/P |
| 9.167 | 14.6341 | 0.0000 | 87.943 | 1.29609 | 15.78234 | 187579.3 | 20179.2 | 88415.3 | U/P |
| 9.175 | 14.4486 | 0.0000 | 87.940 | \$. 29551 | 15.60721 | 188015.5 | 20218.1 | 88886.2 | U/P |
| 9.183 | 14.2882 | 0.0000 | 87.936 | 1.29492 | 15.43283 | 188446.5 | 20257.0 | 89351.8 | U/P |
| 9.192 | 14.1491 | 0.0000 | 87.933 | 1.29433 | 15.26073 | 188873.1 | 20295.8 | 89812.2 | U/P |
| 9.200 | 14.0264 | 0.0000 | 87.930 | 1.29375 | 15.09203 | 189295.7 | 20334.6 | 90267.5 | U/P |
| 9.208 | 13.9179 | 0.0000 | 87.927 | 1.29318 | 14.92752 | 189714.9 | 20373.4 | 90717.8 | U/P |
| 9.217 | 13.8221 | 0.0000 | 87.924 | 1.29262 | 14.76779 | 190131.0 | 20412.2 | 91163.2 | U/P |
| 9.225 | 13.7369 | 0.0000 | 87.921 | 1.29208 | 14.61327 | 190544.4 | 20451.0 | 91603.9 | U/P |
| 9.233 | 13.6603 | 0.0000 | 87.918 | 1.29156 | 14.46422 | 190955.3 | 20489.7 | 92040.1 | U/P |
| 9.242 | 13.5924 | 0.0000 | 87.915 | 1.29105 | 14.32080 | 191364.1 | 20528.5 | 92471.9 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{3} / \mathrm{s}$ ) | Outside Recharge (f/day) | Stage Elevation ( ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overtlow Discharge (ftys) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiftration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 9.250 | 13.5321 | 0.0000 | 87.912 | 1.29056 | 14.18314 | 191771.0 | 20567.2 | 92899.4 | U/P |
| 9.258 | 13.4788 | 0.0000 | 87.910 | 1.29009 | 14.05130 | 192176.2 | 20605.9 | 93322.9 | U/P |
| 9.267 | 13.4326 | 0.0000 | 87.907 | \$. 28964 | 13.92532 | 192579.8 | 20644.6 | 93742.6 | U/P |
| 9.275 | 13.3911 | 0.0000 | 87.905 | \$. 28921 | 13.80517 | 192982.2 | 20683.3 | 94158.5 | U/P |
| 9.283 | 13.3544 | 0.0000 | 87.903 | 1.28880 | 13.69072 | 193383.4 | 20722.0 | 94571.0 | U/P |
| 9.292 | 13.3219 | 0.0000 | 87.901 | 1.28841 | 13.58186 | 193783.5 | 20760.6 | 94980.1 | U/P |
| 9.300 | 13.2930 | 0.0000 | 87.899 | \}. 28803 | 13.47844 | 194182.7 | 20799.3 | 95386.0 | U/P |
| 9.308 | 13.2677 | 0.0000 | 87.897 | 1.28767 | 13.38031 | 194581.1 | 20837.9 | 95788.9 | U/P |
| 9.317 | 13.2452 | 0.0000 | 87.895 | 1.28733 | 13.28730 | 194978.8 | 20876.5 | 96188.9 | U/P |
| 9.325 | 13.2254 | 0.0000 | 87.893 | 1.28701 | 13.19921 | 195375.9 | 20915.1 | 96586.2 | U/P |
| 9.333 | 13.2081 | 0.0000 | 87.891 | 1.28670 | 13.11588 | 195772.4 | 20953.8 | 96980.9 | U/P |
| 9.342 | 13.1926 | 0.0000 | 87.890 | 1.28641 | 13.03710 | 196168.4 | 20992.3 | 97373.2 | U/P |
| 9.350 | 13.1789 | 0.0000 | 87.888 | 1.28614 | 12.96267 | 196564.0 | 21030.9 | 97763.2 | U/P |
| 9.358 | 13.1668 | 0.0000 | 87.887 | 1.28588 | 12.89239 | 196959.2 | 21069.5 | 98151.0 | U/P |
| 9.367 | 13.1560 | 0.0000 | 87,886 | 1.28563 | 12.82608 | 197354.0 | 21108.1 | 98536.8 | U/P |
| 9.375 | 13.1465 | 0.0000 | 87.884 | 1.28540 | 12.76353 | 197748.5 | 21146.7 | 98920.6 | U/P |
| 9.383 | 13.1380 | 0.0000 | 87.883 | 1.28518 | 12.70457 | 198142.8 | 21185.2 | 99302.7 | U/P |
| 9.392 | 13.1305 | 0.0000 | 87.882 | 1.28498 | 12.64901 | 198536.8 | 21223.8 | 99683.0 | U/P |
| 9.400 | 13.1240 | 0.0000 | 87.881 | 1.28478 | 12.59668 | 198930.7 | 21262.3 | 100061.6 | U/P |
| 9.408 | 13.1181 | 0.0000 | 87.880 | 1.28460 | 12.54741 | 199324.3 | 21300.9 | 100438.8 | U/P |
| 9.417 | 13.1130 | 0.0000 | 87.879 | 1.28442 | 12.50104 | 199717.8 | 21339.4 | 100814.5 | U/P |
| 9.425 | 13.1084 | 0.0000 | 87.878 | 1.28426 | 12.45741 | 200111.1 | 21377.9 | 101188.9 | U/P |
| 9.433 | 13.1044 | 0.0000 | 87.877 | 1.28410 | 12.41638 | 200504.3 | 21416.4 | 101562.0 | U/P |
| 9.442 | 13.1008 | 0.0000 | 87.877 | 1.28396 | 12.37780 | 200897.3 | 21455.0 | 101933.9 | U/P |
| 9.450 | 13.0976 | 0.0000 | 87.876 | 1.28382 | 12.34153 | 201290.3 | 21493.5 | 102304.7 | U/P |
| 9.458 | 13.0946 | 0.0000 | 87.875 | 1.28369 | 12.30744 | 201683.2 | 21532.0 | 102674.5 | U/P |
| 9.467 | 13.0920 | 0.0000 | 87.875 | 1.28357 | 12.27539 | 202076.0 | 21570.5 | 103043.2 | U/P |
| 9.475 | 13.0896 | 0.0000 | 87.874 | 1.28346 | 12.24528 | 202468.7 | 21609.0 | 103411.0 | U/P |
| 9.483 | 13.0875 | 0.0000 | 87.873 | 1.28335 | 12.21698 | 202861.4 | 21647.5 | 103777.9 | U/P |
| 9.492 | 13.0857 | 0.0000 | 87.873 | 1.28325 | 12.19040 | 203254.0 | 21686.0 | 104144.0 | U/P |
| 9.500 | 13.0842 | 0.0000 | 87.872 | 1.28316 | 12.16545 | 203646.5 | 21724.5 | 104509.4 | U/P |
| 9.508 | 13.0825 | 0.0000 | 87.872 | 1.28307 | 12.14201 | 204039.0 | 21763.0 | 104874.0 | U/P |
| 9.517 | 13.0802 | 0.0000 | 87.871 | 1.28299 | 12.11997 | 204431.5 | 21801.5 | 105237.9 | U/P |
| 9.525 | 13.0766 | 0.0000 | 87.871 | 1.28291 | 12.09917 | 204823.8 | 21840.0 | 105601.2 | U/P |
| 9.533 | 13.0715 | 0.0000 | 87.871 | 1.28283 | 12.07944 | 205216.0 | 21878.5 | 105963.9 | U/P |
| 9.542 | 13.0644 | 0.0000 | 87.870 | 1.28276 | 12.06059 | 205608.1 | 21916.9 | 106326.0 | U/P |
| 9.550 | 13.0547 | 0.0000 | 87.870 | 1.28269 | 12.04243 | 205999.9 | 21955.4 | 106687.5 | U/P |
| 9.558 | 13.0416 | 0.0000 | 87.869 | 1.28263 | 12.02471 | 206391.3 | 21993.9 | 107048.5 | U/P |
| 9.567 | 13.0247 | 0.0000 | 87.869 | 1.28256 | 12.00717 | 206782.3 | 22032.4 | 107409.0 | U/P |
| 9.575 | 13.0041 | 0.0000 | 87.869 | 1.28250 | 11.98958 | 207172.8 | 22070.9 | 107769.0 | U/P |
| 9.583 | 12.9804 | 0.0000 | 87.868 | 1.28243 | 11.97170 | 207562.5 | 22109.3 | 108128.4 | U/P |
| 9.592 | 12.9544 | 0.0000 | 87.868 | 1.28236 | 11.95338 | 207951.5 | 22147.8 | 108487.3 | U/P |
| 9.600 | 12.9267 | 0.0000 | 87.868 | 1.28230 | 11.93454 | 208339.8 | 22186.3 | 108845.6 | U/P |
| 9.608 | 12.8983 | 0.0000 | 87.867 | 1.28223 | 11.91512 | 208727.1 | 22224.7 | 109203.3 | U/P |
| 9.617 | 12.8698 | 0.0000 | 87.867 | 1.28215 | 11.89513 | 209113.7 | 22263.2 | 109560.5 | U/P |
| 9.625 | 12.8417 | 0.0000 | 87.866 | 1.28208 | 11.87464 | 209499.3 | 22301.7 | 109917.0 | U/P |
| 9.633 | 12.8145 | 0.0000 | 87.866 | 1.28200 | 11.85370 | 209884.2 | 22340.1 | 110273.0 | U/P |
| 9.642 | 12.7887 | 0.0000 | 87.865 | 1.28192 | 11.83242 | 210268.2 | 22378.6 | 110628.3 | U/P |
| 9.650 | 12.7645 | 0.0000 | 87.865 | 1.28184 | 11.81092 | 210651.5 | 22417.1 | 110982.9 | U/P |
| 9.658 | 12.7420 | 0.0000 | 87.865 | 1.28176 | 11.78932 | 211034.1 | 22455.5 | 111336.9 | U/P |
| 9.667 | 12.7216 | 0.0000 | 87.864 | 1.28168 | 11.76775 | 211416.1 | 22494.0 | 111690.3 | U/P |
| 9.675 | 12.7035 | 0.0000 | 87.864 | 1.28160 | 11.74634 | 211797.4 | 22532.4 | 112043.0 | U/P |
| 9.683 | 12.6878 | 0.0000 | 87.863 | 1.28153 | 11.72523 | 212178.3 | 22570.9 | 112395.0 | U/P |
| 9.692 | 12.6743 | 0.0000 | 87.863 | 1.28145 | 11.70456 | 212558.7 | 22609.3 | 112746.5 | U/P |
| 9.700 | 12.6624 | 0.0000 | 87.862 | 1.28137 | 11.68440 | 212938.8 | 22647.7 | 113097.3 | U/P |
| 9.708 | 12.6520 | 0.0000 | 87.862 | 1.28130 | 11.66483 | 213318.5 | 22686.2 | 113447.6 | U/P |
| 9.717 | 12.6427 | 0.0000 | 87.862 | 1.28123 | 11.64589 | 213697.9 | 22724.6 | 113797.2 | U/P |
| 9.725 | 12.6345 | 0.0000 | 87.861 | 1.28116 | 11.62761 | 214077.1 | 22763.1 | 114146.3 | U/P |
| 9.733 | \{2.6272 | 0.0000 | 87.861 | 1.28109 | 11.61001 | 214456.0 | 22801.5 | 114494.9 | U/P |
| 9.742 | 12.6207 | 0.0000 | 87.861 | 1.28103 | 11.59310 | 214834.7 | 22839.9 | 114842.9 | U/P |
| 9.750 | 12.6149 | 0.0000 | 87.860 | 1.28096 | 11.57688 | 215213.3 | 22878.3 | 115190.5 | U/P |
| 9.758 | \$2.6098 | 0.0000 | 87.860 | 1.28090 | 11.56135 | 215591.6 | 22916.8 | 115537.6 | U/P |
| 9.767 | 12.6053 | 0.0000 | 87.860 | 1.28085 | 11.54651 | 215969.9 | 22955.2 | 115884.2 | U/P |
| 9.775 | 12.6013 | 0.0000 | 87.859 | 1.28079 | 11.53235 | 216348.0 | 22993.6 | 116230.4 | U/P |
| 9.783 | 12.5978 | 0.0000 | 87.859 | 1.28074 | \$1.51886 | 216725.9 | 23032.1 | 116576.1 | U/P |
| 9.792 | 12.5947 | 0.0000 | 87.859 | 1.28069 | 11.50601 | 217103.8 | 23070.5 | 116921.5 | U/P |
| 9.800 | 12.5920 | 0.0000 | 87.858 | 1.28065 | 11.49380 | 217481.6 | 23108.9 | 117266.5 | U/P |
| 9.808 | 12.5895 | 0.0000 | 87.858 | 1.28060 | 11.48220 | 217859.4 | 23147.3 | 117611.1 | U/P |
| 9.817 | 12.5874 | 0.0000 | 87.858 | 1.28056 | 11.47120 | 218237.0 | 23185.7 | 117955.4 | UIP |
| 9.825 | 12.5855 | 0.0000 | 87.858 | 1.28052 | 11.46077 | 218614.6 | 23224.1 | 118299.4 | U/P |
| 9.833 | 12.5838 | 0.0000 | 87.858 | 1.28048 | 11.45089 | 218992.1 | 23262.6 | 118643.1 | U/P |
| 9.842 | 12.5824 | 0.0000 | 87.857 | 1.28045 | 11.44154 | 219369.6 | 23301.0 | 118986.5 | U/P |
| 9.850 | 12.5811 | 0.0000 | 87.857 | 1.28041 | 11.43270 | 219747.1 | 23339.4 | 119329.6 | U/P |
| 9.858 | 12.5799 | 0.0000 | 87.857 | 1.28038 | 11.42434 | 220124.5 | 23377.8 | 119672.5 | U/P |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Outside Recharge (fiday) | Stage Elevation (fl datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{fl}^{3 / \mathrm{s}}$ ) | Cumulative inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 9.867 | 12.5789 | 0.0000 | 87.857 | 1.28035 | 11.41644 | 220501.9 | 23416.2 | 120015.1 | U/P |
| 9.875 | 12.5780 | 0.0000 | 87.857 | 1.28032 | 11.40899 | 220879.2 | 23454.6 | 120357.4 | U/P |
| 9.883 | 12.5772 | 0.0000 | 87.857 | 1.28029 | 11.40195 | 221256.6 | 23493.0 | 120699.6 | U/P |
| 9.892 | 12.5765 | 0.0000 | 87.856 | 1.28027 | 11.39531 | 221633.9 | 23531.4 | 121041.6 | U/P |
| 9.900 | 12.5759 | 0.0000 | 87.856 | 1.28024 | 11.38906 | 222011.2 | 23569.8 | 121383.3 | U/P |
| 9.908 | 12.5754 | 0.0000 | 87.856 | 1.28022 | 11.38316 | 222388.4 | 23608.3 | \{21724.9 | U/P |
| 9.917 | 12.5749 | 0.0000 | 87.856 | 1.28020 | 11.37760 | 222765.7 | 23646.7 | 122066.3 | U/P |
| 9.925 | 12.5745 | 0.0000 | 87.856 | 1.28018 | 11.37237 | 223142.9 | 23685.1 | 122407.6 | U/P |
| 9.933 | 12.5741 | 0.0000 | 87.856 | 1.28016 | 11.36745 | 223520.1 | 23723.5 | 122748.7 | U/P |
| 9.942 | 12.5738 | 0.0000 | 87.856 | 1.28014 | 11.36281 | 223897.4 | 23761.9 | 123089.6 | U/P |
| 9.950 | 12.5735 | 0.0000 | 87.856 | 1.28012 | 11.35845 | 224274.6 | 23800.3 | 123430.4 | U/P |
| 9.958 | 12.5733 | 0.0000 | 87.856 | 1.28011 | 11.35435 | 224651.8 | 23838.7 | 123771.1 | U/P |
| 9.967 | 12.5730 | 0.0000 | 87.856 | 1.28009 | 11.35049 | 225029.0 | 23877.1 | 124111.7 | U/P |
| 9.975 | 12.5728 | 0.0000 | 87.855 | 1.28008 | 11.34687 | 225406.2 | 23915.5 | 124452.2 | U/P |
| 9.983 | 12.5726 | 0.0000 | 87.855 | 1.28007 | 11.34346 | 225783.3 | 23953.9 | 124792.5 | U/P |
| 9.992 | 12.5725 | 0.0000 | 87.855 | 1.28005 | 11.34025 | 226160.5 | 23992.3 | 125132.8 | U/P |
| 10.000 | 12.5724 | 0.0000 | 87.855 | 1.28004 | 11.33724 | 226537.7 | 24030.7 | \$25472.9 | U/P |
| 10.008 | 12.5720 | 0.0000 | 87.855 | 1.28003 | 11.33440 | 226914.9 | 24069.1 | 125813.0 | U/P |
| 10.017 | 12.5636 | 0.0000 | 87.855 | 1.28002 | 11.33147 | 227291.9 | 24107.5 | 126153.0 | U/P |
| 10.025 | 12.5404 | 0.0000 | 87.855 | 1.28001 | 11.32773 | 227668.4 | 24145.9 | 126492.9 | U/P |
| 10.033 | 12.4974 | 0.0000 | 87.855 | 1.27999 | 11.32214 | 228044.0 | 24184.3 | 126832.6 | U/P |
| 10.042 | 12.4309 | 0.0000 | 87.855 | 1.27996 | 11.31347 | 228417.9 | 24222.7 | 127172.2 | U/P |
| 10.050 | \$2.3332 | 0.0000 | 87.854 | 1.27992 | 11.30018 | 228789.4 | 24261.1 | 127511.4 | U/P |
| 10.058 | 12.1976 | 0.0000 | 87.854 | 1.27986 | 11.28042 | 229157.4 | 24299.5 | 127850.1 | U/P |
| 10.067 | 12.0180 | 0.0000 | 87.853 | 1.27977 | 11.25202 | 229520.6 | 24337.9 | 128188.1 | U/P |
| 10.075 | 11.7898 | 0.0000 | 87.853 | 1.27964 | 11.21264 | 229877.7 | 24376.3 | 128525.0 | U/P |
| 10.083 | 11.5207 | 0.0000 | 87.852 | 1.27947 | 11.16021 | 230227.4 | 24414.7 | 128860.6 | U/P |
| 10.092 | 11.2194 | 0.0000 | 87.850 | 1.27924 | 11.09331 | 230568.5 | 24453.0 | 129194.4 | U/P |
| 10.100 | 10.8943 | 0.0000 | 87.848 | 1.27896 | 11.01118 | 230900.2 | 24491.4 | 129526.0 | U/P |
| 10.108 | 10.5544 | 0.0000 | 87.846 | 1.27862 | 10.91368 | 231221.9 | 24529.8 | 129854.9 | U/P |
| 10.117 | 10.2119 | 0.0000 | 87.844 | 1.27822 | 10.80134 | 231533.4 | 24568.1 | 130180.6 | U/P |
| 10.125 | 9.8706 | 0.0000 | 87.841 | 1.27777 | 10.67517 | 231834.6 | 24606.5 | 130502.8 | U/P |
| 10.133 | 9.5365 | 0.0000 | 87.838 | 1.27726 | 10.53645 | 232125.8 | 24644.8 | 130820.9 | U/P |
| 10.142 | 9.2180 | 0.0000 | 87.835 | \$. 27670 | 10.38679 | 232407.1 | 24683.1 | 131134.8 | U/P |
| 10.150 | 8.9175 | 0.0000 | 87.832 | 1.27611 | 10.22803 | 232679.1 | 24721.4 | 131444.0 | U/P |
| 10.158 | 8.6369 | 0.0000 | 87.828 | 1.27547 | 10.06203 | 232942.4 | 24759.7 | 131748.4 | U/P |
| 10.167 | 8.3787 | 0.0000 | 87.824 | 1.27482 | 9.89061 | 233197.6 | 24797.9 | 132047.6 | U/P |
| 10.175 | 8.1465 | 0.0000 | 87.820 | 1.27413 | 9.71567 | 233445.5 | 24836.2 | 132341.7 | U/P |
| 10.183 | 7.9450 | 0.0000 | 87.817 | 1.27344 | 9.53919 | 233686.9 | 24874.4 | 132630.6 | U/P |
| 10.192 | 7.7709 | 0.0000 | 87.813 | 1.27274 | 9.36303 | 233922.6 | 24912.6 | \$32914.1 | U/P |
| 10.200 | 7.6197 | 0.0000 | 87.809 | 1.27204 | 9.18868 | 234153.5 | 24950.7 | 133192.4 | U/P |
| 10.208 | 7.4864 | 0.0000 | 87,805 | 1.27134 | 9.01723 | 234380.1 | 24988.9 | 133465.5 | U/P |
| 10.217 | 7.3685 | 0.0000 | 87.801 | 1.27065 | 8.84946 | 234602.9 | 25027.0 | 133733.5 | U/P |
| 10.225 | 7.2643 | 0.0000 | 87.797 | 1.26998 | 8.68597 | 234822.4 | 25065.1 | 133996.5 | U/P |
| 10.233 | 7.1717 | 0.0000 | 87.794 | 1.26931 | 8.52719 | 235038.9 | 25103.2 | 134254.7 | U/P |
| 10.242 | 7.0885 | 0.0000 | 87.790 | 1.26867 | 8.37339 | 235252.8 | 25141.3 | 134508.2 | U/P |
| 10.250 | 7.0146 | 0.0000 | 87.787 | 1.26804 | 8.22477 | 235464.4 | 25179.3 | 134757.2 | U/P |
| 10.258 | 6.9490 | 0.0000 | 87.783 | 1.26743 | 8.08147 | 235673.8 | 25217.4 | 135001.8 | U/P |
| 10.267 | 6.8911 | 0.0000 | 87.780 | 1.26684 | 7.94358 | 235881.4 | 25255.4 | 135242.1 | U/P |
| 10.275 | 6.8409 | 0.0000 | 87.777 | 1.26627 | 7.81115 | 236087.4 | 25293.4 | 135478.5 | U/P |
| 10.283 | 6.7958 | 0.0000 | 87.774 | 1.26572 | 7.68418 | 236292.0 | 25331.4 | \$35710.9 | U/P |
| 10.292 | 6.7558 | 0.0000 | 87.771 | 1.26518 | 7.56256 | 236495.3 | 25369.3 | 135939.6 | U/P |
| 10.300 | 6.7205 | 0.0000 | 87.768 | 1.26467 | 7.44623 | 236697.4 | 25407.3 | 136164.7 | U/P |
| 10.308 | 6.6891 | 0.0000 | 87.766 | 1.26418 | 7.33505 | 236898.5 | 25445.2 | 136386.4 | U/P |
| 10.317 | 6.6615 | 0.0000 | 87.763 | 1.26371 | 7.22890 | 237098.8 | 25483.1 | 136604.9 | U/P |
| 10.325 | 6.6371 | 0.0000 | 87.761 | 1.26326 | 7.12763 | 237298.3 | 25521.0 | 136820.3 | U/P |
| 10.333 | 6.6155 | 0.0000 | 87.758 | 1.26282 | 7.03109 | 237497.1 | 25558.9 | 137032.6 | U/P |
| 10.342 | 6.5967 | 0.0000 | 87.756 | 1.26241 | 6.93912 | 237695.3 | 25596.8 | 137242.2 | U/P |
| 10.350 | 6.5798 | 0.0000 | 87.754 | 1.26201 | 6.85156 | 237892.9 | 25634.7 | 137449.0 | U/P |
| 10.358 | 6.5649 | 0.0000 | 87.752 | 1.26163 | 6.76822 | 238090.1 | 25672.5 | 137653.3 | U/P |
| 10.367 | 6.5517 | 0.0000 | 87.750 | 1.26127 | 6.68893 | 238286.8 | 25710.4 | 137855.2 | U/P |
| 10.375 | 6.5399 | 0.0000 | 87.748 | 1.26092 | 6.61352 | 238483.2 | 25748.2 | 138054.7 | U/P |
| 10.383 | 6.5295 | 0.0000 | 87.746 | 1.26059 | 6.54183 | 238679.2 | 25786.0 | 138252.1 | U/P |
| 10.392 | 6.5203 | 0.0000 | 87.744 | 1.26027 | 6.47368 | 238875.0 | 25823.8 | 138447.3 | U/P |
| 10.400 | 6.5121 | 0.0000 | 87.743 | 1.25997 | 6.40893 | 239070.5 | 25861.6 | 138640.5 | U/P |
| 10.408 | 6.5049 | 0.0000 | 87.741 | 1.25969 | 6.34741 | 239265.7 | 25899.4 | 138831.9 | U/P |
| 10.417 | 6.4985 | 0.0000 | 87.740 | 1.25941 | 6.28897 | 239460.8 | 25937.2 | 139021.4 | U/P |
| 10.425 | 6.4929 | 0.0000 | 87.738 | 1.25915 | 6.23347 | 239655.6 | 25975.0 | 139209.3 | U/P |
| 10.433 | 6.4879 | 0.0000 | 87.737 | 1.25890 | 6.18077 | 239850.3 | 26012.8 | 139395.5 | U/P |
| 10.442 | 6.4835 | 0.0000 | 87.736 | 1.25867 | 6.13074 | 240044.9 | 26050.5 | 139580.2 | U/P |
| 10.450 | 6.4796 | 0.0000 | 87.735 | 1.25844 | 6.08323 | 240239.4 | 26088.3 | 139763.4 | U/P |
| 10.458 | 6.4760 | 0.0000 | 87.733 | 1.25823 | 6.03814 | 240433.7 | 26126.0 | 139945.2 | U/P |
| 10.467 | 6.4728 | 0.0000 | 87.732 | 1.25803 | 5.99532 | 240627.9 | 26163.8 | 140125.7 | U/P |
| 10.475 | 6.4699 | 0.0000 | 87.731 | 1.25783 | 5.95467 | 240822.1 | 26201.5 | 140304.9 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 10.483 | 6.4672 | 0.0000 | 87.730 | 1.25765 | 5.91608 | 241016.1 | 26239.2 | 140483.0 | U/P |
| 10.492 | 6.4649 | 0.0000 | 87.729 | 1.25747 | 5.87944 | 241210.1 | 26277.0 | 140659.9 | U/P |
| 10.500 | 6.4629 | 0.0000 | 87.728 | 1.25731 | 5.84466 | 241404.0 | 26314.7 | 140835.8 | U/P |
| 10.508 | 6.4612 | 0.0000 | 87.728 | 1.25715 | 5.81164 | 241597.9 | 26352.4 | 141010.6 | U/P |
| 10.517 | 6.4602 | 0.0000 | 87.727 | 1.25700 | 5.78033 | 241791.7 | 26390.1 | 141184.5 | U/P |
| 10.525 | 6.4608 | 0.0000 | 87.726 | 1.25685 | 5.75067 | 241985.5 | 26427.8 | 141357.5 | U/P |
| 10.533 | 6.4636 | 0.0000 | 87.725 | 1.25672 | 5.72267 | 242179.4 | 26465.5 | 141529.6 | U/P |
| 10.542 | 6.4690 | 0.0000 | 87.725 | 1.25659 | 5.69637 | 242373.4 | 26503.2 | 141700.9 | U/P |
| 10.550 | 6.4778 | 0.0000 | 87.724 | 1.25647 | 5.67182 | 242567.6 | 26540.9 | 141871.4 | U/P |
| 10.558 | 6.4907 | 0.0000 | 87.723 | 1.25636 | 5.64911 | 242762.1 | 26578.6 | 142041.2 | U/P |
| 10.567 | 6.5083 | 0.0000 | 87.723 | 1.25625 | 5.62838 | 242957.1 | 26616.3 | 142210.4 | U/P |
| 10.575 | 6.5311 | 0.0000 | 87.722 | 1.25616 | 5.60976 | 243152.7 | 26654.0 | 142378.9 | U/P |
| 10.583 | 6.5588 | 0.0000 | 87.722 | 1.25608 | 5.59340 | 243349.0 | 26691.7 | 142547.0 | U/P |
| 10.592 | 6.5906 | 0.0000 | 87.721 | 1.25600 | 5.57941 | 243546.3 | 26729.4 | 142714.6 | U/P |
| 10.600 | 6.6255 | 0.0000 | 87.721 | 1.25594 | 5.56784 | 243744.5 | 26767.0 | 142881.8 | U/P |
| 10.608 | 6.6625 | 0.0000 | 87.721 | 1.25589 | 5.55869 | 243943.8 | 26804.7 | 143048.7 | U/P |
| 10.617 | 6.7005 | 0.0000 | 87.721 | 1.25586 | 5.55193 | 244144.3 | 26842.4 | 143215.3 | U/P |
| 10.625 | 6.7385 | 0.0000 | 87.721 | 1.25583 | 5.54744 | 244345.9 | 26880.1 | 143381.8 | U/P |
| 10.633 | 6.7760 | 0.0000 | 87.721 | 1.25581 | 5.54510 | 244548.6 | 26917.7 | 143548.2 | U/P |
| 10.642 | 6.8123 | 0.0000 | 87.721 | 1.25581 | 5.54476 | 244752.4 | 26955.4 | 143714.6 | U/P |
| 10.650 | 6.8466 | 0.0000 | 87.721 | 1.25581 | 5.54623 | 244957.3 | 26993.1 | 143880.9 | U/P |
| 10.658 | 6.8789 | 0.0000 | 87.721 | 1.25582 | 5.54931 | 245163.2 | 27030.8 | 144047.4 | U/P |
| 10.667 | 6.9088 | 0.0000 | 87.721 | 1.25584 | 5.55382 | 245370.0 | 27068.4 | 144213.9 | U/P |
| 10.675 | 6.9360 | 0.0000 | 87.721 | 1.25586 | 5.55955 | 245577.7 | 27106.1 | 144380.6 | U/P |
| 10.683 | 6.9600 | 0.0000 | 87.721 | 1.25589 | 5.56630 | 245786.1 | 27143.8 | 144547.5 | U/P |
| 10.692 | 6.9808 | 0.0000 | 87.721 | 1.25593 | 5.57384 | 245995.2 | 27181.5 | 144714.6 | U/P |
| 10.700 | 6.9989 | 0.0000 | 87.721 | 1.25596 | 5.58199 | 246204.9 | 27219.2 | 144881.9 | U/P |
| 10.708 | 7.0146 | 0.0000 | 87.722 | 1.25600 | 5.59059 | 246415.1 | 27256.8 | 145049.5 | U/P |
| 10.717 | 7.0285 | 0.0000 | 87.722 | 1.25605 | 5.59950 | 246625.8 | 27294.5 | 145217.4 | U/P |
| 10.725 | 7.0409 | 0.0000 | 87.722 | 1.25609 | 5.60864 | 246836.8 | 27332.2 | 145385.5 | U/P |
| 10.733 | 7.0518 | 0.0000 | 87.722 | 1.25613 | 5.61790 | 247048.2 | 27369.9 | 145553.9 | U/P |
| 10.742 | 7.0615 | 0.0000 | 87.723 | 1.25618 | 5.62722 | 247259.9 | 27407.6 | 145722.6 | U/P |
| 10.750 | 7.0702 | 0.0000 | 87.723 | 1.25622 | 5.63654 | 247471.9 | 27445.2 | 145891.5 | U/P |
| 10.758 | 7.0780 | 0.0000 | 87.723 | 1.25626 | 5.64580 | 247684.1 | 27482.9 | 146060.8 | U/P |
| 10.767 | 7.0848 | 0.0000 | 87.723 | 1.25631 | 5.65496 | 247896.5 | 27520.6 | 146230.3 | U/P |
| 10.775 | 7.0908 | 0.0000 | 87.724 | 1.25635 | 5.66398 | 248109.2 | 27558.3 | 146400.1 | U/P |
| 10.783 | 7.0961 | 0.0000 | 87.724 | 1.25639 | 5.67285 | 248322.0 | 27596.0 | 146570.1 | U/P |
| 10.792 | 7.1008 | 0.0000 | 87.724 | 1.25644 | 5.68151 | 248534.9 | 27633.7 | 146740.4 | U/P |
| 10.800 | 7.1050 | 0.0000 | 87.724 | 1.25648 | 5.68996 | 248748.0 | 27671.4 | 146911.0 | U/P |
| 10.808 | 7.1087 | 0.0000 | 87.725 | 1.25652 | 5.69818 | 248961.2 | 27709.1 | 147081.8 | U/P |
| 10.817 | 7.1120 | 0.0000 | 87.725 | 1.25655 | 5.70616 | 249174.5 | 27746.8 | 147252.9 | U/P |
| 10.825 | 7.1149 | 0.0000 | 87.725 | 1.25659 | 5.71388 | 249387.9 | 27784.5 | 147424.2 | U/P |
| 10.833 | 7.1175 | 0.0000 | 87.725 | 1.25663 | 5.72136 | 249601.4 | 27822.2 | 147595.7 | U/P |
| 10.842 | 7.1197 | 0.0000 | 87.725 | 1.25666 | 5.72857 | 249815.0 | 27859.9 | 147767.5 | U/P |
| 10.850 | 7.1217 | 0.0000 | 87.726 | 1.25669 | 5.73552 | 250028.6 | 27897.6 | 147939.4 | U/P |
| 10.858 | 7.1234 | 0.0000 | 87.726 | 1.25673 | 5.74222 | 250242.3 | 27935.3 | 148111.6 | U/P |
| 10.867 | 7.1250 | 0.0000 | 87.726 | 1.25676 | 5.74865 | 250456.0 | 27973.0 | 148284.0 | U/P |
| 10.875 | 7.1264 | 0.0000 | 87.726 | 1.25679 | 5.75483 | 250669.8 | 28010.7 | 148456.5 | U/P |
| 10.883 | 7.1276 | 0.0000 | 87.726 | 1.25682 | 5.76077 | 250883.6 | 28048.4 | 148629.2 | U/P |
| 10.892 | 7.1287 | 0.0000 | 87.726 | 1.25684 | 5.76645 | 251097.4 | 28086.1 | 148802.2 | U/P |
| 10.900 | 7.1297 | 0.0000 | 87.726 | 1.25687 | 5.77190 | 251311.3 | 28123.8 | 148975.2 | U/P |
| 10.908 | 7.1306 | 0.0000 | 87.727 | 1.25689 | 5.77711 | 251525.2 | 28161.5 | 149148.5 | U/P |
| 10.917 | 7.1313 | 0.0000 | 87.727 | 1.25692 | 5.78210 | 251739.1 | 28199.2 | 149321.8 | U/P |
| 10.925 | 7.1320 | 0.0000 | 87.727 | 1.25694 | 5.78687 | 251953.1 | 28236.9 | 149495.4 | U/P |
| 10.933 | 7.1326 | 0.0000 | 87.727 | 1.25696 | 5.79143 | 252167.1 | 28274.6 | 149669.1 | U/P |
| 10.942 | 7.1331 | 0.0000 | 87.727 | 1.25698 | 5.79578 | 252381.0 | 28312.3 | 149842.9 | U/P |
| 10.950 | 7.1336 | 0.0000 | 87.727 | 1.25700 | 5.79993 | 252595.0 | 28350.0 | 150016.8 | U/P |
| 10.958 | 7.1340 | 0.0000 | 87.727 | 1.25702 | 5.80389 | 252809.1 | 28387.8 | 150190.9 | U/P |
| 10.967 | 7.1344 | 0.0000 | 87.727 | 1.25704 | 5.80767 | 253023.1 | 28425.5 | 150365.0 | U/P |
| 10.975 | 7.1347 | 0.0000 | 87.728 | 1.25706 | 5.81127 | 253237.1 | 28463.2 | 150539.3 | U/P |
| 10.983 | 7.1351 | 0.0000 | 87.728 | 1.25708 | 5.81470 | 253451.2 | 28500.9 | 150713.7 | U/P |
| 10.992 | 7.1353 | 0.0000 | 87.728 | 1.25709 | 5.81797 | 253665.2 | 28538.6 | 150888.2 | U/P |
| 11.000 | 7.1319 | 0.0000 | 87.728 | 1.25711 | 5.82099 | 253879.2 | 28576.3 | 151062.8 | U/P |
| 11.008 | 7.1212 | 0.0000 | 87.728 | 1.25712 | 5.82349 | 254093.0 | 28614.0 | 151237.5 | U/P |
| 11.017 | 7.1008 | 0.0000 | 87.728 | 1.25713 | 5.82505 | 254306.4 | 28651.7 | 151412.2 | U/P |
| 11.025 | 7.0688 | 0.0000 | 87.728 | 1.25713 | 5.82519 | 254518.9 | 28689.5 | 151586.9 | U/P |
| 11.033 | 7.0214 | 0.0000 | 87.728 | 1.25713 | 5.82327 | 254730.3 | 28727.2 | 151761.7 | U/P |
| 11.042 | 6.9553 | 0.0000 | 87.728 | 1.25711 | 5.81852 | 254939.9 | 28764.9 | 151936.3 | U/P |
| 11.050 | 6.8674 | 0.0000 | 87.727 | 1.25708 | 5.81005 | 255147.3 | 28802.6 | 152110.7 | U/P |
| 11.058 | 6.7551 | 0.0000 | 87.727 | 1.25703 | 5.79687 | 255351.6 | 28840.3 | 152284.8 | U/P |
| 11.067 | 6.6220 | 0.0000 | 87.727 | 1.25696 | 5.77806 | 255552.3 | 28878.0 | 152458.4 | U/P |
| 11.075 | 6.4725 | 0.0000 | 87.726 | 1.25685 | 5.75298 | 255748.7 | 28915.7 | 152631.4 | U/P |
| 11.083 | 6.3107 | 0.0000 | 87.725 | 1.25672 | 5.72124 | 255940.4 | 28953.4 | 152803.5 | U/P |
| 11.092 | 6.1410 | 0.0000 | 87.724 | 1.25655 | 5.68269 | 256127.2 | 28991.1 | 152974.6 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume (ft ${ }^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 11.100 | 5.9698 | 0.0000 | 87.723 | 1.25635 | 5.63750 | 256308.9 | 29028.8 | 153144.4 | U/P |
| 11.108 | 5.7990 | 0.0000 | 87.722 | 1.25613 | 5.58602 | 256485.4 | 29066.5 | 153312.7 | U/P |
| 11.117 | 5.6315 | 0.0000 | 87.720 | 1.25587 | 5.52872 | 256656.8 | 29104.2 | 153479.5 | U/P |
| 11.125 | 5.4715 | 0.0000 | 87.718 | 1.25558 | 5.46622 | 256823.4 | 29141.9 | 153644.4 | U/P |
| 11.133 | 5.3205 | 0.0000 | 87.717 | 1.25527 | 5.39927 | 256985.3 | 29179.5 | 153807.4 | U/P |
| 11.142 | 5.1793 | 0.0000 | 87.715 | 1.25494 | 5.32861 | 257142.8 | 29217.2 | 153968.3 | U/P |
| 11.150 | 5.0492 | 0.0000 | 87.713 | 1.25459 | 5.25500 | 257296.2 | 29254.8 | 154127.0 | U/P |
| 11.158 | 4.9320 | 0.0000 | 87.711 | 1.25423 | 5.17924 | 257445.9 | 29292.5 | 154283.5 | U/P |
| 11.167 | 4.8301 | 0.0000 | 87.709 | 1.25386 | 5.10215 | 257592.3 | 29330.1 | 154437.8 | U/P |
| 11.175 | 4.7419 | 0.0000 | 87.706 | 1.25348 | 5.02455 | 257735.9 | 29367.7 | 154589.7 | U/P |
| 11.183 | 4.6655 | 0.0000 | 87.704 | 1.25309 | 4.94711 | 257877.0 | 29405.3 | 154739.2 | U/P |
| 11.192 | 4.5982 | 0.0000 | 87.702 | 1.25271 | 4.87033 | 258016.0 | 29442.9 | 154886.5 | U/P |
| 11.200 | 4.5387 | 0.0000 | 87.700 | 1.25233 | 4.79458 | 258153.0 | 29480.4 | 155031.5 | U/P |
| 11.208 | 4.4860 | 0.0000 | 87.698 | 1.25196 | 4.72017 | 258288.4 | 29518.0 | 155174.2 | U/P |
| 11.217 | 4.4393 | 0.0000 | 87.696 | 1.25159 | 4.64732 | 258422.3 | 29555.6 | 155314.7 | U/P |
| 11.225 | 4.3973 | 0.0000 | 87.694 | 1.25122 | 4.57621 | 258554.8 | 29593.1 | 155453.1 | U/P |
| 11.233 | 4.3600 | 0.0000 | 87.692 | 1.25087 | 4.50695 | 258686.2 | 29630.6 | 155589.3 | U/P |
| 11.242 | 4.3269 | 0.0000 | 87.690 | 1.25052 | 4.43965 | 258816.5 | 29668.2 | 155723.5 | U/P |
| 11.250 | 4.2976 | 0.0000 | 87.688 | 1.25018 | 4.37438 | 258945.9 | 29705.7 | 155855.7 | U/P |
| 11.258 | 4.2722 | 0.0000 | 87.686 | 1.24984 | 4.31122 | 259074.4 | 29743.2 | 155986.0 | U/P |
| 11.267 | 4.2495 | 0.0000 | 87.685 | 1.24952 | 4.25018 | 259202.3 | 29780.7 | 156114.4 | U/P |
| 11.275 | 4.2293 | 0.0000 | 87.683 | 1.24921 | 4.19128 | 259329.4 | 29818.1 | 156241.0 | U/P |
| 11.283 | 4.2115 | 0.0000 | 87.681 | 1.24891 | 4.13449 | 259456.0 | 29855.6 | 156365.9 | U/P |
| 11.292 | 4.1956 | 0.0000 | 87.680 | 1.24861 | 4.07981 | 259582.1 | 29893.1 | 156489.1 | U/P |
| 11.300 | 4.1816 | 0.0000 | 87.678 | 1.24833 | 4.02720 | 259707.8 | 29930.5 | 156610.8 | U/P |
| 11.308 | 4.1693 | 0.0000 | 87.677 | 1.24806 | 3.97662 | 259833.1 | 29968.0 | 156730.8 | U/P |
| 11.317 | 4.1584 | 0.0000 | 87.675 | 1.24779 | 3.92803 | 259958.0 | 30005.4 | 156849.4 | U/P |
| 11.325 | 4.1489 | 0.0000 | 87.674 | 1.24754 | 3.88139 | 260082.6 | 30042.8 | 156966.5 | U/P |
| 11.333 | 4.1404 | 0.0000 | 87.673 | 1.24729 | 3.83664 | 260206.9 | 30080.3 | 157082.3 | U/P |
| 11.342 | 4.1328 | 0.0000 | 87.671 | 1.24706 | 3.79373 | 260331.0 | 30117.7 | 157196.8 | U/P |
| 11.350 | 4.1262 | 0.0000 | 87.670 | 1.24683 | 3.75259 | 260454.9 | 30155.1 | 157309.9 | U/P |
| 11.358 | 4.1202 | 0.0000 | 87.669 | 1.24661 | 3.71316 | 260578.6 | 30192.5 | 157421.9 | U/P |
| 11.367 | 4.1150 | 0.0000 | 87.668 | 1.24640 | 3.67539 | 260702.1 | 30229.9 | 157532.8 | U/P |
| 11.375 | 4.1103 | 0.0000 | 87.667 | 1.24620 | 3.63921 | 260825.5 | 30267.3 | 157642.5 | U/P |
| 11.383 | 4.1062 | 0.0000 | 87.665 | 1.24600 | 3.60456 | 260948.8 | 30304.7 | 157751.1 | U/P |
| 11.392 | 4.1026 | 0.0000 | 87.664 | \}. 24582 | 3.57140 | 261071.9 | 30342.0 | 157858.8 | U/P |
| 11.400 | 4.0993 | 0.0000 | 87.663 | $\uparrow .24564$ | 3.53965 | 261194.9 | 30379.4 | 157965.4 | U/P |
| 11.408 | 4.0965 | 0.0000 | 87.663 | 1.24547 | 3.50927 | 261317.9 | 30416.8 | 158071.2 | U/P |
| 11.417 | 4.0940 | 0.0000 | 87.662 | 1.24530 | 3.48019 | 261440.7 | 30454.1 | 158176.0 | U/P |
| 11.425 | 4.0917 | 0.0000 | 87.661 | 1.24514 | 3.45237 | 261563.5 | 30491.5 | 158280.0 | U/P |
| 11.433 | 4.0898 | 0.0000 | 87.660 | 1.24499 | 3.42575 | 261686.2 | 30528.8 | 158383.2 | U/P |
| 11.442 | 4.0880 | 0.0000 | 87.659 | 1.24484 | 3.40029 | 261808.9 | 30566.2 | 158485.6 | U/P |
| 11.450 | 4.0863 | 0.0000 | 87.658 | 1.24470 | 3.37593 | 261931.5 | 30603.5 | 158587.2 | U/P |
| 11.458 | 4.0848 | 0.0000 | 87.658 | 1.24457 | 3.35262 | 262054.1 | 30640.9 | 158688.1 | U/P |
| 11.467 | 4.0835 | 0.0000 | 87.657 | 1.24444 | 3.33031 | 262176.6 | 30678.2 | 158788.4 | U/P |
| 11.475 | 4.0824 | 0.0000 | 87.656 | 1.24432 | 3.30897 | 262299.1 | 30715.5 | 158888.0 | U/P |
| 11.483 | 4.0813 | 0.0000 | 87.656 | 1.24420 | 3.28856 | 262421.5 | 30752.9 | 158986.9 | U/P |
| 11.492 | 4.0805 | 0.0000 | 87.655 | 1.24409 | 3.26903 | 262544.0 | 30790.2 | 159085.3 | U/P |
| 11.500 | 4.0796 | 0.0000 | 87.654 | 1.24398 | 3.25035 | 262666.4 | 30827.5 | 159183.1 | U/P |
| 11.508 | 4.0786 | 0.0000 | 87.654 | $\uparrow .24387$ | 3.23247 | 262788.8 | 30864.8 | 159280.3 | U/P |
| 11.517 | 4.0773 | 0.0000 | 87.653 | 1.24377 | 3.21534 | 262911.1 | 30902.1 | 159377.0 | U/P |
| 11.525 | 4.0754 | 0.0000 | 87.653 | 1.24368 | 3.19891 | 263033.4 | 30939.5 | 159473.3 | U/P |
| 11.533 | 4.0730 | 0.0000 | 87.652 | 1.24359 | 3.18312 | 263155.6 | 30976.8 | 159569.0 | U/P |
| 11.542 | 4.0697 | 0.0000 | 87.652 | 1.24350 | 3.16792 | 263277.8 | 31014.1 | 159664.3 | U/P |
| 11.550 | 4.0654 | 0.0000 | 87.651 | 1.24341 | 3.15323 | 263399.8 | 31051.4 | 159759.1 | U/P |
| 11.558 | 4.0599 | 0.0000 | 87.651 | 1.24333 | 3.13898 | 263521.7 | 31088.7 | 159853.5 | U/P |
| 11.567 | 4.0530 | 0.0000 | 87.650 | 1.24325 | 3.12509 | 263643.3 | 31126.0 | 159947.4 | U/P |
| 11.575 | 4.0452 | 0.0000 | 87.650 | 1.24317 | 3.11151 | 263764.8 | 31163.3 | 160041.0 | U/P |
| 11.583 | 4.0365 | 0.0000 | 87.650 | 1.24309 | 3.09817 | 263886.0 | 31200.6 | 160134.1 | U/P |
| 11.592 | 4.0273 | 0.0000 | 87.649 | 1.24301 | 3.08505 | 264007.0 | 31237.9 | 160226.9 | U/P |
| \$1.600 | 4.0179 | 0.0000 | 87.649 | 1.24294 | 3.07210 | 264127.7 | 31275.1 | 160319.2 | U/P |
| 11.608 | 4.0084 | 0.0000 | 87.648 | 1.24286 | 3.05932 | 264248.1 | 31312.4 | 160411.2 | U/P |
| 11.617 | 3.9990 | 0.0000 | 87.648 | 1.24279 | 3.04671 | 264368.2 | 31349.7 | 160502.8 | U/P |
| 11.625 | 3.9899 | 0.0000 | 87.648 | 1.24272 | 3.03425 | 264488.0 | 31387.0 | 160594.0 | U/P |
| 11.633 | 3.9813 | 0.0000 | 87.647 | 1.24264 | 3.02197 | 264607.6 | 31424.3 | 160684.8 | U/P |
| 11.642 | 3.9732 | 0.0000 | 87.647 | 1.24257 | 3.00987 | 264726.9 | 31461.6 | 160775.3 | U/P |
| 11.650 | 3.9657 | 0.0000 | 87.646 | 1.24250 | 2.99796 | 264846.0 | 31498.8 | 160865.4 | U/P |
| 11.658 | 3.9588 | 0.0000 | 87.646 | 1.24243 | 2.98628 | 264964.8 | 31536.1 | 160955.2 | U/P |
| 11.667 | 3.9528 | 0.0000 | 87.646 | 1.24237 | 2.97483 | 265083.5 | 31573.4 | 161044.6 | U/P |
| 11.675 | 3.9475 | 0.0000 | 87.645 | 1.24230 | 2.96364 | 265202.0 | 31610.6 | 161133.7 | U/P |
| 11.683 | 3.9430 | 0.0000 | 87.645 | 1.24223 | 2.95273 | 265320.4 | 31647.9 | 161222.4 | U/P |
| 11.692 | 3.9390 | 0.0000 | 87.645 | 1.24217 | 2.94211 | 265438.6 | 31685.2 | 161310.9 | U/P |
| 11.700 | 3.9355 | 0.0000 | 87.644 | 1.24211 | 2.93180 | 265556.7 | 31722.4 | 161399.0 | U/P |
| 11.708 | 3.9324 | 0.0000 | 87.644 | 1.24205 | 2.92179 | 265674.8 | 31759.7 | 161486.8 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation ( ( datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative infitration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 11.717 | 3.9297 | 0.0000 | 87.644 | 1.24199 | 2.91209 | 265792.7 | 31797.0 | 161574.3 | U/P |
| 11.725 | 3.9272 | 0.0000 | 87.643 | 1.24194 | 2.90269 | 265910.5 | 31834.2 | 161661.5 | U/P |
| 11.733 | 3.9250 | 0.0000 | 87.643 | 1.24188 | 2.89360 | 266028.3 | 31871.5 | 161748.4 | U/P |
| 11.742 | 3.9231 | 0.0000 | 87.643 | 1.24183 | 2.88482 | 266146.0 | 31908.7 | 161835.1 | U/P |
| 11.750 | 3.9213 | 0.0000 | 87.642 | 1.24178 | 2.87633 | 266263.7 | 31946.0 | 161921.5 | U/P |
| 11.758 | 3.9198 | 0.0000 | 87.642 | 1.24173 | 2.86814 | 266381.3 | 31983.2 | 762007.7 | U/P |
| 11.767 | 3.9185 | 0.0000 | 87.642 | 1.24168 | 2.86024 | 266498.9 | 32020.5 | 162093.6 | U/P |
| 11.775 | 3.9173 | 0.0000 | 87.642 | 1.24163 | 2.85262 | 266616.4 | 32057.7 | 162179.3 | U/P |
| 11.783 | 3.9163 | 0.0000 | 87.641 | 1.24159 | 2.84528 | 266733.9 | 32095.0 | 162264.8 | U/P |
| 11.792 | 3.9153 | 0.0000 | 87.641 | 1.24155 | 2.83821 | 266851.4 | 32132.2 | 162350.0 | U/P |
| 11.800 | 3.9145 | 0.0000 | 87.641 | 1.24150 | 2.83140 | 266968.8 | 32169.5 | 162435.1 | U/P |
| 11.808 | 3.9138 | 0.0000 | 87.641 | 1.24146 | 2.82485 | 267086.3 | 32206.7 | 162519.9 | U/P |
| 11.817 | 3.9131 | 0.0000 | 87.640 | 1.24143 | 2.81855 | 267203.7 | 32244.0 | 162604.6 | U/P |
| 11.825 | 3.9126 | 0.0000 | 87.640 | 1.24139 | 2.81248 | 267321.1 | 32281.2 | 162689.0 | U/P |
| 11.833 | 3.9121 | 0.0000 | 87.640 | 1.24135 | 2.80665 | 267438.4 | 32318.5 | 162773.3 | U/P |
| 11.842 | 3.9116 | 0.0000 | 87.640 | $\uparrow .24132$ | 2.80105 | 267555.8 | 32355.7 | 162857.5 | U/P |
| 11.850 | 3.9112 | 0.0000 | 87.640 | 1.24129 | 2.79567 | 267673.2 | 32392.9 | 162941.4 | U/P |
| 11.858 | 3.9109 | 0.0000 | 87.640 | 1.24125 | 2.79049 | 267790.5 | 32430.2 | 163025.2 | U/P |
| 11.867 | 3.9106 | 0.0000 | 87.639 | 1.24122 | 2.78552 | 267907.8 | 32467.4 | 163108.8 | U/P |
| 11.875 | 3.9103 | 0.0000 | 87.639 | 1.24120 | 2.78074 | 268025.1 | 32504.7 | 163192.3 | U/P |
| 11.883 | 3.9101 | 0.0000 | 87.639 | 1.24117 | 2.77616 | 268142.4 | 32541.9 | 163275.7 | U/P |
| 11.892 | 3.9099 | 0.0000 | 87.639 | 1.24114 | 2.77176 | 268259.7 | 32579.1 | 163358.9 | U/P |
| 11.900 | 3.9097 | 0.0000 | 87.639 | 1.24111 | 2.76753 | 268377.0 | 32616.4 | 163442.0 | U/P |
| 11.908 | 3.9095 | 0.0000 | 87.639 | 1.24109 | 2.76347 | 268494.3 | 32653.6 | 163525.0 | U/P |
| 11.917 | 3.9094 | 0.0000 | 87.638 | 1.24107 | 2.75957 | 268611.6 | 32690.8 | 163607.8 | U/P |
| 11.925 | 3.9092 | 0.0000 | 87.638 | 1.24104 | 2.75583 | 268728.8 | 32728.1 | 163690.5 | U/P |
| 11.933 | 3.9091 | 0.0000 | 87.638 | 1.24102 | 2.75224 | 268846.1 | 32765.3 | 163773.2 | U/P |
| 11.942 | 3.9090 | 0.0000 | 87.638 | 1.24100 | 2.74880 | 268963.4 | 32802.5 | 163855.7 | U/P |
| 11.950 | 3.9089 | 0.0000 | 87.638 | 1.24098 | 2.74549 | 269080.7 | 32839.7 | 163938.1 | U/P |
| 11.958 | 3.9088 | 0.0000 | 87.638 | 1.24096 | 2.74232 | 269197.9 | 32877.0 | 164020.4 | U/P |
| 11.967 | 3.9088 | 0.0000 | 87.638 | 1.24094 | 2.73928 | 269315.2 | 32914.2 | 164102.6 | U/P |
| 11.975 | 3.9087 | 0.0000 | 87.638 | 1.24092 | 2.73636 | 269432.5 | 32951.4 | 164184.8 | U/P |
| 11.983 | 3.9086 | 0.0000 | 87.638 | 1.24091 | 2.73355 | 269549.7 | 32988.7 | 164266.8 | U/P |
| 11.992 | 3.9086 | 0.0000 | 87.638 | 1.24089 | 2.73087 | 269667.0 | 33025.9 | 164348.8 | U/P |
| 12.000 | 3.9085 | 0.0000 | 87.637 | 1.24087 | 2.72829 | 269784.3 | 33063.1 | 164430.7 | U/P |
| 12.008 | 3.9087 | 0.0000 | 87.637 | 1.24086 | 2.72582 | 269901.5 | 33100.3 | 164512.5 | U/P |
| 12.017 | 3.9093 | 0.0000 | 87.637 | 1.24084 | 2.72347 | 270018.8 | 33137.6 | 164594.2 | U/P |
| 12.025 | 3.9105 | 0.0000 | 87.637 | 1.24083 | 2.72125 | 270136.1 | 33174.8 | 164675.9 | U/P |
| 12.033 | 3.9123 | 0.0000 | 87.637 | 1.24082 | 2.71918 | 270253.4 | 33212.0 | 164757.5 | U/P |
| 12.042 | 3.9149 | 0.0000 | 87.637 | 1.24080 | 2.71729 | 270370.8 | 33249.2 | 164839.0 | U/P |
| 12.050 | 3.9186 | 0.0000 | 87.637 | 1.24079 | 2.71560 | 270488.3 | 33286.5 | 164920.5 | U/P |
| 12.058 | 3.9236 | 0.0000 | 87.637 | 1.24078 | 2.71416 | 270605.9 | 33323.7 | 165002.0 | U/P |
| 12.067 | 3.9298 | 0.0000 | 87.637 | 1.24078 | 2.71301 | 270723.8 | 33360.9 | 165083.4 | U/P |
| 12.075 | 3.9373 | 0.0000 | 87.637 | 1.24077 | 2.71219 | 270841.8 | 33398.1 | 165164.8 | U/P |
| 12.083 | 3.9456 | 0.0000 | 87.637 | 1.24077 | 2.71172 | 270960.0 | 33435.4 | 165246.1 | U/P |
| 12.092 | 3.9546 | 0.0000 | 87.637 | 1.24076 | 2.71162 | 271078.5 | 33472.6 | 165327.5 | U/P |
| 12.100 | 3.9640 | 0.0000 | 87.637 | 1.24077 | 2.71191 | 271197.3 | 33509.8 | 165408.8 | U/P |
| 12.108 | 3.9735 | 0.0000 | 87.637 | 1.24077 | 2.71256 | 271316.3 | 33547.0 | 165490.2 | U/P |
| 12.117 | 3.9830 | 0.0000 | 87.637 | 1.24077 | 2.71358 | 271435.7 | 33584.2 | 165571.6 | U/P |
| 12.125 | 3.9923 | 0.0000 | 87.637 | 1.24078 | 2.71494 | 271555.3 | 33621.5 | 165653.0 | U/P |
| 12.133 | 4.0012 | 0.0000 | 87.637 | 1.24079 | 2.71661 | 271675.2 | 33658.7 | 165734.5 | U/P |
| 12.142 | 4.0095 | 0.0000 | 87.637 | 1.24080 | 2.71856 | 271795.4 | 33695.9 | 165816.0 | U/P |
| 12.150 | 4.0173 | 0.0000 | 87.637 | 1.24081 | 2.72077 | 271915.8 | 33733.1 | 165897.6 | U/P |
| 12.158 | 4.0245 | 0.0000 | 87.637 | 1.24083 | 2.72319 | 272036.4 | 33770.4 | 165979.3 | U/P |
| 12.167 | 4.0310 | 0.0000 | 87.637 | 1.24084 | 2.72579 | 272157.3 | 33807.6 | 166061.0 | U/P |
| 12.175 | 4.0366 | 0.0000 | 87.637 | 1.24086 | 2.72853 | 272278.3 | 33844.8 | 166142.8 | U/P |
| 12.183 | 4.0415 | 0.0000 | 87.638 | 1.24088 | 2.73137 | 272399.4 | 33882.0 | 166224.7 | U/P |
| 12.192 | 4.0457 | 0.0000 | 87.638 | 1.24089 | 2.73429 | 272520.8 | 33919.3 | 166306.7 | U/P |
| 12.200 | 4.0494 | 0.0000 | 87.638 | 1.24091 | 2.73724 | 272642.2 | 33956.5 | 166388.8 | U/P |
| 12.208 | 4.0527 | 0.0000 | 87.638 | 1.24093 | 2.74022 | 272763.7 | 33993.7 | 166470.9 | U/P |
| 12.217 | 4.0556 | 0.0000 | 87.638 | 1.24095 | 2.74321 | 272885.3 | 34031.0 | 166553.2 | U/P |
| 12.225 | 4.0582 | 0.0000 | 87.638 | 1.24096 | 2.74618 | 273007.0 | 34068.2 | 166635.5 | U/P |
| 12.233 | 4.0605 | 0.0000 | 87.638 | 1.24098 | 2.74914 | 273128.8 | 34105.4 | 166718.0 | U/P |
| 12.242 | 4.0626 | 0.0000 | 87.638 | 1.24100 | 2.75206 | 273250.7 | 34142.6 | 166800.5 | U/P |
| 12.250 | 4.0644 | 0.0000 | 87.638 | 1.24102 | 2.75494 | 273372.6 | 34179.9 | 166883.1 | U/P |
| 12.258 | 4.0660 | 0.0000 | 87.638 | 1.24103 | 2.75778 | 273494.5 | 34217.1 | 166965.8 | U/P |
| 12.267 | 4.0674 | 0.0000 | 87.639 | 1.24105 | 2.76056 | 273616.5 | 34254.3 | 167048.5 | U/P |
| 12.275 | 4.0687 | 0.0000 | 87.639 | 1.24107 | 2.76328 | 273738.6 | 34291.6 | 167131.4 | U/P |
| 12.283 | 4.0698 | 0.0000 | 87.639 | 1.24108 | 2.76594 | 273860.7 | 34328.8 | 167214.3 | U/P |
| 12.292 | 4.0708 | 0.0000 | 87.639 | 1.24110 | 2.76853 | 273982.8 | 34366.0 | 167297.3 | U/P |
| 12.300 | 4.0717 | 0.0000 | 87.639 | 1.24111 | 2.77106 | 274104.9 | 34403.3 | 167380.4 | U/P |
| 12.308 | 4.0724 | 0.0000 | 87.639 | 1.24113 | 2.77351 | 274227.1 | 34440.5 | 167463.6 | U/P |
| \$2.317 | 4.0731 | 0.0000 | 87.639 | 1.24114 | 2.77590 | 274349.3 | 34477.7 | 167546.8 | U/P |
| 12.325 | 4.0737 | 0.0000 | 87.639 | 1.24116 | 2.77821 | 274471.4 | 34515.0 | 167630.2 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario $1::$ pond10 100 yr $/ 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (fl/day) | Stage Elevation (ft datum) | Infiltration Rate (ftis) | Overflow Discharge ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Cumulative Inflow Voiume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 12.333 | 4.0743 | 0.0000 | 87.639 | 1.24117 | 2.78045 | 274593.7 | 34552.2 | 167713.5 | U/P |
| 12.342 | 4.0747 | 0.0000 | 87.639 | 1.24119 | 2.78262 | 274715.9 | 34589.4 | 167797.0 | U/P |
| 12.350 | 4.0751 | 0.0000 | 87.639 | 1.24120 | 2.78472 | 274838.2 | 34626.7 | 167880.5 | U/P |
| 12.358 | 4.0755 | 0.0000 | 87.639 | 1.24121 | 2.78675 | 274960.4 | 34663.9 | 167964.1 | U/P |
| 12.367 | 4.0758 | 0.0000 | 87.639 | 1.24122 | 2.78871 | 275082.7 | 34701.1 | 168047.7 | U/P |
| 12.375 | 4.0761 | 0.0000 | 87.640 | 1.24123 | 2.79061 | 275205.0 | 34738.4 | 168131.4 | U/P |
| 12.383 | 4.0764 | 0.0000 | 87.640 | 1.24125 | 2.79243 | 275327.3 | 34775.6 | 168215.1 | U/P |
| 12.392 | 4.0766 | 0.0000 | 87.640 | 1.24126 | 2.79419 | 275449.5 | 34812.9 | 168298.9 | U/P |
| 12.400 | 4.0768 | 0.0000 | 87.640 | 1.24127 | 2.79589 | 275571.8 | 34850.1 | 168382.8 | U/P |
| 12.408 | 4.0770 | 0.0000 | 87.640 | 1.24128 | 2.79752 | 275694.2 | 34887.3 | 168466.7 | U/P |
| 12.417 | 4.0772 | 0.0000 | 87.640 | 1.24129 | 2.79910 | 275816.5 | 34924.6 | 168550.6 | U/P |
| 12.425 | 4.0773 | 0.0000 | 87.640 | 1.24130 | 2.80062 | 275938.8 | 34961.8 | 168634.6 | U/P |
| 12.433 | 4.0774 | 0.0000 | 87.640 | 1.24130 | 2.80207 | 276061.1 | 34999.0 | 168718.7 | U/P |
| 12.442 | 4.0775 | 0.0000 | 87.640 | 1.24131 | 2.80348 | 276183.4 | 35036.3 | 168802.8 | U/P |
| 12.450 | 4.0776 | 0.0000 | 87.640 | 1.24132 | 2.80483 | 276305.8 | 35073.5 | 168886.9 | U/P |
| 12.458 | 4.0777 | 0.0000 | 87.640 | 1.24133 | 2.80613 | 276428.1 | 35110.8 | 168971.0 | U/P |
| 12.467 | 4.0778 | 0.0000 | 87.640 | 1.24134 | 2.80737 | 276550.4 | 35148.0 | 169055.3 | U/P |
| 12.475 | 4.0779 | 0.0000 | 87.640 | 1.24134 | 2.80857 | 276672.8 | 35185.2 | 169139.5 | U/P |
| 12.483 | 4.0780 | 0.0000 | 87.640 | 1.24135 | 2.80973 | 276795.1 | 35222.5 | 169223.8 | U/P |
| 12.492 | 4.0780 | 0.0000 | 87.640 | 1.24136 | 2.81084 | 276917.4 | 35259.7 | 169308.1 | U/P |
| 12.500 | 4.0781 | 0.0000 | 87.640 | 1.24136 | 2.81190 | 277039.8 | 35297.0 | 169392.4 | U/P |
| 12.508 | 4.0780 | 0.0000 | 87.640 | 1.24137 | 2.81292 | 277162.1 | 35334.2 | 169476.8 | U/P |
| 12.517 | 4.0776 | 0.0000 | 87.640 | 1.24138 | 2.81389 | 277284.4 | 35371.4 | 169561.2 | U/P |
| 12.525 | 4.0767 | 0.0000 | 87.640 | 1.24138 | 2.81479 | 277406.8 | 35408.7 | 169645.6 | U/P |
| 12.533 | 4.0752 | 0.0000 | 87.640 | 1.24139 | 2.81561 | 277529.0 | 35445.9 | 169730.1 | U/P |
| 12.542 | 4.0730 | 0.0000 | 87.640 | 1.24139 | 2.81631 | 277651.3 | 35483.2 | 169814.5 | U/P |
| 12.550 | 4.0698 | 0.0000 | 87.640 | 1.24140 | 2.81688 | 277773.4 | 35520.4 | 169899.0 | U/P |
| 12.558 | 4.0654 | 0.0000 | 87.640 | 1.24140 | 2.81726 | 277895.4 | 35557.7 | 169983.6 | U/P |
| 12.567 | 4.0598 | 0.0000 | 87.640 | 1.24140 | 2.81743 | 278017.3 | 35594.9 | 170068.1 | U/P |
| 12.575 | 4.0529 | 0.0000 | 87.640 | 1.24140 | 2.81732 | 278139.0 | 35632.1 | 170152.6 | U/P |
| 12.583 | 4.0450 | 0.0000 | 87.640 | 1.24140 | 2.81692 | 278260.5 | 35669.4 | 170237.1 | U/P |
| 12.592 | 4.0363 | 0.0000 | 87.640 | 1.24140 | 2.81619 | 278381.7 | 35706.6 | 170321.6 | U/P |
| 12.600 | 4.0271 | 0.0000 | 87.640 | 1.24139 | 2.81513 | 278502.7 | 35743.9 | 170406.1 | U/P |
| 12.608 | 4.0176 | 0.0000 | 87.640 | 1.24138 | 2.81372 | 278623.3 | 35781.1 | 170490.5 | U/P |
| 12.617 | 4.0081 | 0.0000 | 87.640 | 1.24137 | 2.81198 | 278743.7 | 35818.3 | 170574.9 | U/P |
| 12.625 | 3.9987 | 0.0000 | 87.640 | 1.24136 | 2.80992 | 278863.8 | 35855.6 | 170659.2 | U/P |
| 12.633 | 3.9897 | 0.0000 | 87.640 | 1.24135 | 2.80757 | 278983.6 | 35892.8 | 170743.5 | U/P |
| 12.642 | 3.9811 | 0.0000 | 87.640 | 1.24133 | 2.80496 | 279103.2 | 35930.1 | 170827.7 | U/P |
| 12.650 | 3.9730 | 0.0000 | 87.640 | 1.24132 | 2.80210 | 279222.5 | 35967.3 | 170911.8 | U/P |
| 12.658 | 3.9655 | 0.0000 | 87.640 | $\uparrow .24130$ | 2.79905 | 279341.6 | 36004.5 | 170995.8 | U/P |
| 12.667 | 3.9587 | 0.0000 | 87.640 | ¢ 24128 | 2.79583 | 279460.4 | 36041.8 | 171079.7 | U/P |
| 12.675 | 3.9526 | 0.0000 | 87.640 | 1.24126 | 2.79248 | 279579.1 | 36079.0 | 171163.5 | U/P |
| 12.683 | 3.9474 | 0.0000 | 87.639 | 1.24124 | 2.78904 | 279697.6 | 36116.3 | 171247.3 | U/P |
| 12,692 | 3.9429 | 0.0000 | 87.639 | 1.24122 | 2.78554 | 279816.0 | 36153.5 | 171330.9 | U/P |
| 12.700 | 3.9389 | 0.0000 | 87.639 | 1.24120 | 2.78202 | 279934.2 | 36190.7 | 171414.4 | U/P |
| 12.708 | 3.9354 | 0.0000 | 87.639 | $\uparrow .24118$ | 2.77848 | 280052.3 | 36228.0 | 171497.8 | U/P |
| 12.717 | 3.9323 | 0.0000 | 87.639 | 1.24116 | 2.77496 | 280170.3 | 36265.2 | 171581.1 | U/P |
| 12.725 | 3.9296 | 0.0000 | 87.639 | 1.24114 | 2.77147 | 280288.3 | 36302.4 | 171664.3 | U/P |
| 12.733 | 3.9271 | 0.0000 | 87.639 | 1.24111 | 2.76802 | 280406.1 | 36339.7 | 171747.4 | U/P |
| 12.742 | 3.9250 | 0.0000 | 87.639 | 1.24109 | 2.76461 | 280523.9 | 36376.9 | 171830.4 | U/P |
| 12.750 | 3.9230 | 0.0000 | 87.639 | 1.24107 | 2.76126 | 280641.6 | 36414.1 | 171913.3 | U/P |
| 12.758 | 3.9213 | 0.0000 | 87.638 | 1.24105 | 2.75798 | 280759.3 | 36451.4 | 171996.1 | U/P |
| 12.767 | 3.9198 | 0.0000 | 87.638 | 1.24103 | 2.75477 | 280876.9 | 36488.6 | 172078.8 | U/P |
| 12.775 | 3.9185 | 0.0000 | 87.638 | 1.24102 | 2.75163 | 280994.4 | 36525.8 | 172161.4 | U/P |
| 12.783 | 3.9173 | 0.0000 | 87.638 | 1.24100 | 2.74857 | 281112.0 | 36563.1 | 172243.9 | U/P |
| 12.792 | 3.9162 | 0.0000 | 87.638 | 1.24098 | 2.74559 | 281229.5 | 36600.3 | 172326.3 | U/P |
| 12.800 | 3.9153 | 0.0000 | 87.638 | 1.24096 | 2.74270 | 281347.0 | 36637.5 | 172408.6 | U/P |
| 12.808 | 3.9145 | 0.0000 | 87.638 | 1.24094 | 2.73989 | 281464.4 | 36674.8 | 172490.8 | U/P |
| 12.817 | 3.9138 | 0.0000 | 87.638 | 1.24093 | 2.73716 | 281581.8 | 36712.0 | 172573.0 | U/P |
| 12.825 | 3.9131 | 0.0000 | 87.638 | 1.24091 | 2.73452 | 281699.3 | 36749.2 | 172655.1 | U/P |
| 12.833 | 3.9126 | 0.0000 | 87.638 | 1.24089 | 2.73197 | 281816.6 | 36786.4 | 172737.1 | U/P |
| 12.842 | 3.9121 | 0.0000 | 87.637 | 1.24088 | 2.72950 | 281934.0 | 36823.7 | 172819.0 | U/P |
| 12.850 | 3.9116 | 0.0000 | 87.637 | 1.24087 | 2.72711 | 282051.3 | 36860.9 | 172900.8 | U/P |
| 12.858 | 3.9112 | 0.0000 | 87.637 | 1.24085 | 2.72480 | 282168.7 | 36898.1 | 172982.6 | U/P |
| 12.867 | 3.9109 | 0.0000 | 87.637 | 1.24084 | 2.72258 | 282286.0 | 36935.3 | 173064.3 | U/P |
| 12.875 | 3.9106 | 0.0000 | 87.637 | 1.24082 | 2.72043 | 282403.3 | 36972.6 | 173146.0 | U/P |
| 12.883 | 3.9103 | 0.0000 | 87.637 | 1.24081 | 2.71836 | 282520.7 | 37009.8 | 173227.5 | U/P |
| 12.892 | 3.9101 | 0.0000 | 87.637 | 1.24080 | 2.71636 | 282638.0 | 37047.0 | 173309.1 | U/P |
| 12.900 | 3.9099 | 0.0000 | 87.637 | 1.24079 | 2.71444 | 282755.3 | 37084.2 | 173390.5 | U/P |
| 12.908 | 3.9097 | 0.0000 | 87.637 | 1.24078 | 2.71259 | 282872.6 | 37121.5 | 173471.9 | U/P |
| 12.917 | 3.9095 | 0.0000 | 87.637 | 1.24076 | 2.71081 | 282989.8 | 37158.7 | 173553.3 | U/P |
| 12.925 | 3.9094 | 0.0000 | 87.637 | 1.24075 | 2.70909 | 283107.1 | 37195.9 | 173634.6 | U/P |
| 12.933 | 3.9092 | 0.0000 | 87.637 | 1.24074 | 2.70744 | 283224.4 | 37233.1 | 173715.8 | U/P |
| 12.942 | 3.9091 | 0.0000 | 87.637 | 1.24073 | 2.70585 | 283341.7 | 37270.3 | 173797.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario $1::$ pond10 100 yr $/ 24$ Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / 2}$ ) | Outside Recharge (ft/day) | Stage Elevation (fi datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infilfration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 12.950 | 3.9090 | 0.0000 | 87.637 | 1.24072 | 2.70433 | 283459.0 | 37307.6 | 173878.2 | U/P |
| 12.958 | 3.9089 | 0.0000 | 87.637 | 1.24072 | 2.70286 | 283576.2 | 37344.8 | 173959.3 | U/P |
| 12.967 | 3.9088 | 0.0000 | 87.637 | 1.24071 | 2.70145 | 283693.5 | 37382.0 | 174040.4 | U/P |
| 12.975 | 3.9088 | 0.0000 | 87.636 | 1.24070 | 2.70009 | 283810.8 | 37419.2 | 174121.4 | U/P |
| 12.983 | 3.9087 | 0.0000 | 87.636 | 1.24069 | 2.69879 | 283928.0 | 37456.5 | 174202.4 | U/P |
| 12.992 | 3.9086 | 0.0000 | 87.636 | 1.24068 | 2.69753 | 284045.3 | 37493.7 | 174283.3 | U/P |
| 13.000 | 3.9086 | 0.0000 | 87.636 | 1.24068 | 2.69633 | 284162.5 | 37530.9 | $\ddagger 74364.2$ | U/P |
| 13.008 | 3.9085 | 0.0000 | 87.636 | 1.24067 | 2.69517 | 284279.8 | 37568.1 | 174445.1 | U/P |
| 13.017 | 3.9068 | 0.0000 | 87.636 | 1.24066 | 2.69403 | 284397.0 | 37605.3 | 174525.9 | U/P |
| 13.025 | 3.9023 | 0.0000 | 87.636 | 1.24065 | 2.69280 | 284514.2 | 37642.6 | 174606.7 | U/P |
| 13.033 | 3.8939 | 0.0000 | 87.636 | 1.24065 | 2.69137 | 284631.1 | 37679.8 | 174687.5 | U/P |
| 13.042 | 3.8810 | 0.0000 | 87.636 | 1.24064 | 2.68956 | 284747.7 | 37717.0 | 174768.2 | U/P |
| 13.050 | 3.8620 | 0.0000 | 87.636 | 1.24062 | 2.68717 | 284863.9 | 37754.2 | 174848.9 | U/P |
| 13.058 | 3.8356 | 0.0000 | 87.636 | 1.24061 | 2.68396 | 284979.3 | 37791.4 | 174929.4 | U/P |
| 13.067 | 3.8007 | 0.0000 | 87.636 | 1.24058 | 2.67965 | 285093.9 | 37828.6 | 175009.9 | U/P |
| 13.075 | 3.7563 | 0.0000 | 87.636 | 1.24055 | 2.67390 | 285207.3 | 37865.9 | 175090.2 | U/P |
| 13.083 | 3.7040 | 0.0000 | 87.635 | 1.24051 | 2.66643 | 285319.2 | 37903.1 | 175170.3 | U/P |
| 13.092 | 3.6454 | 0.0000 | 87.635 | 1.24046 | 2.65702 | 285429.4 | 37940.3 | 175250.1 | U/P |
| 13.100 | 3.5822 | 0.0000 | 87.635 | 1.24040 | 2.64555 | 285537.8 | 37977.5 | 175329.7 | U/P |
| 13.108 | 3.5160 | 0.0000 | 87.634 | 1.24032 | 2.63194 | 285644.3 | 38014.7 | 175408.8 | U/P |
| 13.117 | 3.4495 | 0.0000 | 87.634 | 1.24023 | 2.61624 | 285748.8 | 38051.9 | 175487.6 | U/P |
| 13.125 | 3.3831 | 0.0000 | 87.633 | 1.24013 | 2.59853 | 285851.3 | 38089.1 | 175565.8 | U/P |
| 13.133 | 3.3181 | 0.0000 | 87.632 | 1.24001 | 2.57894 | 285951.8 | 38126.3 | 175643.5 | U/P |
| 13.142 | 3.2562 | 0.0000 | 87.632 | 1.23989 | 2.55764 | 286050.4 | 38163.5 | 175720.5 | U/P |
| 13.150 | 3.1977 | 0.0000 | 87.631 | 1.23975 | 2.53486 | 286147.2 | 38200.7 | 175796.9 | U/P |
| 13.158 | 3.1432 | 0.0000 | 87.630 | 1.23961 | 2.51080 | 286242.3 | 38237.9 | 175872.6 | U/P |
| 13.167 | 3.0929 | 0.0000 | 87.629 | 1.23946 | 2.48570 | 286335.8 | 38275.1 | 175947.5 | U/P |
| 13.175 | 3.0478 | 0.0000 | 87.628 | 1.23930 | 2.45979 | 286427.9 | 38312.3 | 176021.7 | U/P |
| 13.183 | 3.0086 | 0.0000 | 87.627 | 1.23913 | 2.43334 | 286518.8 | 38349.5 | 176095.1 | U/P |
| 13.192 | 2.9747 | 0.0000 | 87.626 | 1.23897 | 2.40658 | 286608.5 | 38386.6 | 176167.7 | U/P |
| 13.200 | 2.9453 | 0.0000 | 87.625 | 1.23880 | 2.37974 | 286697.3 | 38423.8 | 176239.5 | U/P |
| 43.208 | 2.9194 | 0.0000 | 87.625 | 1.23863 | 2.35296 | 286785.3 | 38461.0 | 176310.5 | U/P |
| 13.217 | 2.8965 | 0.0000 | 87.624 | 1.23846 | 2.32638 | 286872.6 | 38498.1 | 176380.7 | U/P |
| 13.225 | 2.8762 | 0.0000 | 87.623 | 1.23829 | 2.30009 | 286959.2 | 38535.3 | 176450.1 | U/P |
| 13.233 | 2.8582 | 0.0000 | 87.622 | 1.23812 | 2.27418 | 287045.2 | 38572.4 | 176518.7 | U/P |
| 13.242 | 2.8420 | 0.0000 | 87.621 | 1.23796 | 2.24871 | 287130.7 | 38609.6 | 176586.5 | U/P |
| 13.250 | 2.8277 | 0.0000 | 87.620 | 1.23780 | 2.22372 | 287215.7 | 38646.7 | 176653.6 | U/P |
| 13.258 | 2.8149 | 0.0000 | 87.619 | 1.23764 | 2.19927 | 287300.3 | 38683.8 | 176720.0 | U/P |
| 13.267 | 2.8037 | 0.0000 | 87.618 | 1.23748 | 2.17538 | 287384.6 | 38721.0 | 176785.6 | U/P |
| 13.275 | 2.7939 | 0.0000 | 87.617 | 1.23732 | 2.15208 | 287468.6 | 38758.1 | 176850.5 | U/P |
| 13.283 | 2.7851 | 0.0000 | 87.617 | 1.23717 | 2.12940 | 287552.3 | 38795.2 | 176914.7 | U/P |
| 13.292 | 2.7773 | 0.0000 | 87.616 | 1.23703 | 2.10734 | 287635.7 | 38832.3 | 176978.3 | U/P |
| 13.300 | 2.7705 | 0.0000 | 87.615 | 1.23688 | 2.08591 | 287718.9 | 38869.4 | 177041.2 | U/P |
| 13.308 | 2.7644 | 0.0000 | 87.614 | 1.23675 | 2.06512 | 287801.9 | 38906.5 | 177103.4 | U/P |
| 13.317 | 2.7590 | 0.0000 | 87.613 | 1.23661 | 2.04496 | 287884.8 | 38943.6 | 177165.1 | U/P |
| 13.325 | 2.7542 | 0.0000 | 87.613 | 1.23648 | 2.02542 | 287967.5 | 38980.7 | 177226.1 | U/P |
| 13.333 | 2.7500 | 0.0000 | 87.612 | 1.23635 | 2.00651 | 288050.1 | 39017.8 | 177286.6 | U/P |
| 13.342 | 2.7464 | 0.0000 | 87.611 | 1.23623 | 1.98822 | 288132.5 | 39054.9 | 177346.5 | U/P |
| 13.350 | 2.7431 | 0.0000 | 87.611 | 1.23610 | 1.97052 | 288214.8 | 39092.0 | 177405.9 | U/P |
| 13.358 | 2.7402 | 0.0000 | 87.610 | 1.23599 | 1.95342 | 288297.1 | 39129.1 | 177464.8 | U/P |
| 13.367 | 2.7376 | 0.0000 | 87.609 | 1.23587 | 1.93690 | 288379.3 | 39166.1 | 177523.1 | U/P |
| 13.375 | 2.7353 | 0.0000 | 87.609 | 1.23576 | 1.92094 | 288461.3 | 39203.2 | 177581.0 | U/P |
| 13.383 | 2.7333 | 0.0000 | 87.608 | 1.23566 | 1.90553 | 288543.4 | 39240.3 | 177638.4 | U/P |
| 13.392 | 2.7315 | 0.0000 | 87.608 | 1.23555 | 1.89065 | 288625.4 | 39277.4 | 177695.3 | U/P |
| 13.400 | 2.7299 | 0.0000 | 87.607 | 1.23545 | 1.87629 | 288707.3 | 39314.4 | 177751.8 | U/P |
| 13.408 | 2.7285 | 0.0000 | 87.607 | 1.23536 | 1.86244 | 288789.2 | 39351.5 | 177807.9 | U/P |
| 13.417 | 2.7273 | 0.0000 | 87.606 | 1.23526 | 1.84907 | 288871.0 | 39388.5 | 177863.6 | U/P |
| 13.425 | 2.7262 | 0.0000 | 87.606 | 1.23517 | 1.83618 | 288952.8 | 39425.6 | 177918.9 | U/P |
| 13.433 | 2.7252 | 0.0000 | 87.605 | 1.23509 | 1.82374 | 289034.6 | 39462.7 | 177973.8 | U/P |
| 13.442 | 2.7244 | 0.0000 | 87.605 | 1.23500 | 1.81175 | 289116.3 | 39499.7 | 178028.3 | U/P |
| 13.450 | 2.7236 | 0.0000 | 87.604 | 1.23492 | 1.80019 | 289198.0 | 39536.8 | 178082.5 | U/P |
| 13.458 | 2.7229 | 0.0000 | 87.604 | 1.23484 | 1.78904 | 289279.7 | 39573.8 | 178136.3 | U/P |
| 13.467 | 2.7223 | 0.0000 | 87.603 | 1.23477 | 1.77829 | 289361.4 | 39610.8 | 178189.8 | U/P |
| 13.475 | 2.7217 | 0.0000 | 87.603 | 1.23469 | 1.76792 | 289443.1 | 39647.9 | 178243.0 | U/P |
| 13.483 | 2.7212 | 0.0000 | 87.603 | 1.23462 | 1.75792 | 289524.7 | 39684.9 | 178295.9 | U/P |
| 13.492 | 2.7207 | 0.0000 | 87.602 | 1.23455 | 1.74829 | 289606.3 | 39722.0 | 178348.5 | U/P |
| 13.500 | 2.7204 | 0.0000 | 87.602 | 1.23449 | 1.73899 | 289688.0 | 39759.0 | 178400.8 | U/P |
| 13.508 | 2.7200 | 0.0000 | 87.601 | 1.23442 | 1.73003 | 289769.6 | 39796.0 | 178452.8 | U/P |
| 13.517 | 2.7197 | 0.0000 | 87.601 | 1.23436 | 1.72140 | 289851.2 | 39833.1 | 178504.6 | U/P |
| 13.525 | 2.7194 | 0.0000 | 87.601 | 1.23430 | 1.71307 | 289932.8 | 39870.1 | 178556.1 | U/P |
| 13.533 | 2.7190 | 0.0000 | 87.600 | 1.23424 | 1.70504 | 290014.3 | 39907.1 | 178607.4 | U/P |
| 13.542 | 2.7184 | 0.0000 | 87.600 | 1.23419 | 1.69728 | 290095.9 | 39944.1 | 178658.4 | U/P |
| 13.550 | 2.7178 | 0.0000 | 87.600 | 1.23413 | 1.68979 | 290177.4 | 39981.2 | 178709.3 | U/P |
| 13.558 | 2.7169 | 0.0000 | 87.600 | 1.23408 | 1.68255 | 290258.9 | 40018.2 | 178759.8 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont, d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{Ht}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Inflitration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume $\left(\mathrm{t}^{3}\right)$ | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 13.567 | 2.7158 | 0.0000 | 87.599 | 1.23403 | 1.67554 | 290340.4 | 40055.2 | 178810.2 | U/P |
| 13.575 | 2.7144 | 0.0000 | 87.599 | 1.23398 | 1.66874 | 290421.9 | 40092.2 | 178860.4 | U/P |
| 13.583 | 2.7126 | 0.0000 | 87.599 | 1.23393 | 1.66214 | 290503.3 | 40129.3 | 178910.3 | U/P |
| 13.592 | 2.7106 | 0.0000 | 87.599 | 1.23389 | 1.65571 | 290584.7 | 40166.3 | 178960.1 | U/P |
| 13.600 | 2.7085 | 0.0000 | 87.598 | 1.23384 | 1.64943 | 290665.9 | 40203.3 | 179009.7 | U/P |
| 13.608 | 2.7061 | 0.0000 | 87.598 | 1.23380 | 1.64331 | 290747.2 | 40240.3 | 179059.1 | U/P |
| 13.617 | 2.7037 | 0.0000 | 87.598 | 1.23375 | 1.63733 | 290828.3 | 40277.3 | 179108.3 | U/P |
| 13.625 | 2.7013 | 0.0000 | 87.598 | 1.23371 | 1.63148 | 290909.4 | 40314.3 | 179157.3 | U/P |
| 13.633 | 2.6990 | 0.0000 | 87.597 | 1.23367 | 1.62576 | 290990.4 | 40351.3 | 179206.2 | U/P |
| 13.642 | 2.6967 | 0.0000 | 87.597 | 1.23363 | 1.62016 | 291071.3 | 40388.3 | 179254.9 | U/P |
| 13.650 | 2.6945 | 0.0000 | 87.597 | 1.23359 | 1.61469 | 291152.2 | 40425.4 | 179303.4 | U/P |
| 13.658 | 2.6925 | 0.0000 | 87.597 | 1.23355 | 1.60934 | 291233.0 | 40462.4 | 179351.7 | U/P |
| 13.667 | 2.6906 | 0.0000 | 87.596 | 1.23351 | 1.60412 | 291313.8 | 40499.4 | 179399.9 | U/P |
| 13.675 | 2.6889 | 0.0000 | 87.596 | 1.23348 | 1.59902 | 291394.4 | 40536.4 | 179448.0 | U/P |
| 13.683 | 2.6874 | 0.0000 | 87.596 | 1.23344 | 1.59405 | 291475.1 | 40573.4 | 179495.9 | U/P |
| 13.692 | 2.6861 | 0.0000 | 87.596 | 1.23340 | 1.58920 | 291555.7 | 40610.4 | \$79543.6 | U/P |
| 13.700 | 2.6850 | 0.0000 | 87.596 | 1.23337 | 1.58449 | 291636.3 | 40647.4 | 179591.2 | U/P |
| 13.708 | 2.6840 | 0.0000 | 87.595 | 1.23334 | 1.57991 | 291716.8 | 40684.4 | 179638.7 | U/P |
| 13.717 | 2.6831 | 0.0000 | 87.595 | 1.23330 | 1.57546 | 291797.3 | 40721.4 | 179686.0 | U/P |
| 13.725 | 2.6823 | 0.0000 | 87.595 | 1.23327 | 1.57114 | 291877.8 | 40758.4 | 179733.2 | U/P |
| 13.733 | 2.6816 | 0.0000 | 87.595 | 1.23324 | 1.56694 | 291958.2 | 40795.4 | 179780.3 | U/P |
| 13.742 | 2.6810 | 0.0000 | 87.595 | 1.23321 | 1.56287 | 292038.7 | 40832.4 | 179827.3 | U/P |
| 13.750 | 2.6805 | 0.0000 | 87.595 | 1.23318 | 1.55893 | 292119.1 | 40869.4 | 179874.1 | U/P |
| 13.758 | 2.6800 | 0.0000 | 87.594 | 1.23315 | 1.55510 | 292199.5 | 40906.4 | 179920.8 | U/P |
| 13.767 | 2.6796 | 0.0000 | 87.594 | 1.23313 | 1.55140 | 292279.9 | 40943.4 | 179967.4 | U/P |
| 13.775 | 2.6792 | 0.0000 | 87.594 | 1.23310 | 1.54781 | 292360.3 | 40980.4 | 180013.9 | U/P |
| 13.783 | 2.6789 | 0.0000 | 87.594 | 1.23307 | 1.54434 | 292440.6 | 41017.3 | 180060.3 | U/P |
| 13.792 | 2.6786 | 0.0000 | 87.594 | 1.23305 | 1.54097 | 292521.0 | 41054.3 | 180106.5 | U/P |
| 13.800 | 2.6783 | 0.0000 | 87.594 | 1.23302 | 1.53772 | 292601.3 | 41091.3 | 180152.7 | U/P |
| 13.808 | 2.6781 | 0.0000 | 87.594 | 1.23300 | 1.53457 | 292681.7 | 41128.3 | 180198.8 | U/P |
| 13.817 | 2.6779 | 0.0000 | 87.594 | 1.23298 | 1.53152 | 292762.0 | 41165.3 | 180244.8 | U/P |
| 13.825 | 2.6777 | 0.0000 | 87.593 | 1.23296 | 1.52857 | 292842.4 | 41202.3 | 180290.7 | U/P |
| 13.833 | 2.6775 | 0.0000 | 87.593 | 1.23294 | 1.52572 | 292922.7 | 41239.3 | 180336.5 | U/P |
| 13.842 | 2.6774 | 0.0000 | 87.593 | 1.23291 | 1.52297 | 293003.0 | 41276.3 | 180382.3 | U/P |
| 13.850 | 2.6773 | 0.0000 | 87.593 | 1.23289 | 1.52030 | 293083.3 | 41313.3 | 180427.9 | U/P |
| 13.858 | 2.6771 | 0.0000 | 87.593 | 1.23288 | 1.51772 | 293163.7 | 41350.2 | 180473.5 | U/P |
| 13.867 | 2.6770 | 0.0000 | 87.593 | 1.23286 | 1.51523 | 293244.0 | 41387.2 | 180519.0 | U/P |
| 13.875 | 2.6770 | 0.0000 | 87.593 | 1.23284 | 1.51282 | 293324.3 | 41424.2 | 180564.4 | U/P |
| 13.883 | 2.6769 | 0.0000 | 87.593 | 1.23282 | 1.51050 | 293404.6 | 41461.2 | 180609.7 | U/P |
| 13.892 | 2.6768 | 0.0000 | 87.593 | 1.23280 | 1.50825 | 293484.9 | 41498.2 | 180655.0 | U/P |
| 13.900 | 2.6768 | 0.0000 | 87.592 | 1.23279 | 1.50607 | 293565.2 | 41535.2 | 180700.2 | U/P |
| 13.908 | 2.6767 | 0.0000 | 87.592 | 1.23277 | 1.50397 | 293645.5 | 41572.2 | 180745.4 | U/P |
| 13.917 | 2.6767 | 0.0000 | 87.592 | 1.23276 | 1.50194 | 293725.8 | 41609.1 | \$80790.5 | U/P |
| 13.925 | 2.6766 | 0.0000 | 87.592 | 1.23274 | 1.49998 | 293806.1 | 41646.1 | 180835.5 | U/P |
| 13.933 | 2.6766 | 0.0000 | 87.592 | 1.23273 | 1.49809 | 293886.4 | 41683.1 | 180880.5 | U/P |
| 13.942 | 2.6765 | 0.0000 | 87.592 | 1.23271 | 1.49626 | 293966.7 | 41720.1 | 180925.4 | U/P |
| 13.950 | 2.6765 | 0.0000 | 87.592 | 1.23270 | 1.49449 | 294047.0 | 41757.1 | 180970.2 | U/P |
| 13.958 | 2.6765 | 0.0000 | 87.592 | 1.23269 | 1.49278 | 294127.3 | 41794.0 | 181015.0 | U/P |
| 13.967 | 2.6765 | 0.0000 | 87.592 | 1.23268 | 1.49113 | 294207.6 | 41831.0 | 181059.8 | U/P |
| 13.975 | 2.6764 | 0.0000 | 87.592 | 1.23266 | 1.48953 | 294287.9 | 41868.0 | 181104.5 | U/P |
| 13.983 | 2.6764 | 0.0000 | 87.592 | 1.23265 | 1.48799 | 294368.2 | 41905.0 | 181149.2 | U/P |
| 13.992 | 2.6764 | 0.0000 | 87.592 | \$. 23264 | 1.48650 | 294448.5 | 41942.0 | 181193.8 | U/P |
| 14.000 | 2.6744 | 0.0000 | 87.592 | \$. 23263 | 1.48503 | 294528.7 | 41978.9 | 181238.4 | U/P |
| 14.008 | 2.6685 | 0.0000 | 87.592 | 1.23262 | 1.48347 | 294608.8 | 42015.9 | 181282.9 | U/P |
| 14.017 | 2.6573 | 0.0000 | 87.591 | 1.23261 | 1.48168 | 294688.8 | 42052.9 | 181327.4 | U/P |
| 14.025 | 2.6399 | 0.0000 | 87.591 | 1.23259 | 1.47947 | 294768.2 | 42089.9 | 181371.8 | U/P |
| 14.033 | 2.6142 | 0.0000 | 87.591 | 1.23257 | 1.47661 | 294847.0 | 42126.9 | 181416.1 | U/P |
| 14.042 | 2.5783 | 0.0000 | 87.591 | 1.23255 | 1.47282 | 294924.9 | 42163.8 | 181460.4 | U/P |
| 14.050 | 2.5306 | 0.0000 | 87.591 | 1.23252 | 1.46775 | 295001.5 | 42200.8 | 181504.5 | U/P |
| 14.058 | 2.4698 | 0.0000 | 87.591 | 1.23247 | 1.46105 | 295076.5 | 42237.8 | 181548.4 | U/P |
| 14.067 | 2.3977 | 0.0000 | 87.590 | 1.23241 | 1.45236 | 295149.6 | 42274.8 | 181592.1 | U/P |
| 14.075 | 2.3167 | 0.0000 | 87.590 | 1.23234 | 1.44142 | 295220.3 | 42311.7 | 181635.5 | U/P |
| 14.083 | 2.2291 | 0.0000 | 87.589 | 1.23225 | 1.42807 | 295288.5 | 42348.7 | 181678.6 | U/P |
| 14.092 | 2.1372 | 0.0000 | 87.589 | 1.23214 | 1.41224 | 295353.9 | 42385.7 | 181721.2 | U/P |
| 14.100 | 2.0445 | 0.0000 | 87.588 | 1.23201 | 1.39394 | 295416.7 | 42422.6 | 181763.3 | U/P |
| 14.108 | 1.9519 | 0.0000 | 87.587 | 1.23187 | 1.37328 | 295476.6 | 42459.6 | 181804.8 | U/P |
| 14.117 | 1.8612 | 0.0000 | 87.586 | 1.23170 | 1.35040 | 295533.8 | 42496.5 | 181845.6 | U/P |
| 14.125 | 1.7745 | 0.0000 | 87.585 | 1.23152 | 1.32552 | 295588.3 | 42533.5 | 181885.8 | U/P |
| 14.133 | 1.6927 | 0.0000 | 87.584 | 1.23132 | 1.29887 | 295640.4 | 42570.4 | 181925.1 | U/P |
| 14.142 | 1.6163 | 0.0000 | 87.583 | 1.23111 | 1.27073 | 295690.0 | 42607.4 | 181963.7 | U/P |
| 14.150 | 1.5458 | 0.0000 | 87.581 | 1.23088 | 1.24135 | 295737.4 | 42644.3 | 182001.4 | U/P |
| 14.158 | 1.4823 | 0.0000 | 87.580 | 1.23065 | \%. 21101 | 295782.8 | 42681.2 | 182038.1 | U/P |
| 14.167 | 1.4271 | 0.0000 | 87.579 | 1.23041 | 1.18001 | 295826.5 | 42718.1 | 182074.0 | U/P |
| 14.175 | 1.3794 | 0.0000 | 87.577 | 1.23016 | 1.14864 | 295868.6 | 42755.0 | 182108.9 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infilitration Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative unflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infilitration Volume ( $\mathrm{ff}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 14.183 | 1.3380 | 0.0000 | 87.576 | 1.22990 | 1.11715 | 295909.3 | 42791.9 | 182142.9 | U/P |
| 14.192 | 1.3015 | 0.0000 | 87.574 | 1.22965 | 1.08572 | 295948.9 | 42828.8 | 182176.0 | U/P |
| 14.200 | 1.2693 | 0.0000 | 87.573 | 1.22939 | 1.05450 | 295987.5 | 42865.7 | 182208.1 | U/P |
| 14.208 | 1.2408 | 0.0000 | 87.571 | 1.22913 | 1.02361 | 296025.2 | 42902.6 | 182239.2 | U/P |
| 14.217 | 1.2155 | 0.0000 | 87.570 | 1.22888 | 0.99314 | 296062.0 | 42939.5 | 182269.5 | U/P |
| 14.225 | 1.1927 | 0.0000 | 87.569 | 1.22862 | 0.96317 | 296098.1 | 42976.3 | 182298.8 | U/P |
| 14.233 | 1.1725 | 0.0000 | 87.567 | 1.22837 | 0.93374 | 296133.6 | 43013.2 | 182327.3 | U/P |
| 14.242 | 1.1546 | 0.0000 | 87.566 | 1.22812 | 0.90492 | 296168.5 | 43050.0 | 182354.9 | U/P |
| 14.250 | 1.1387 | 0.0000 | 87.564 | 1.22787 | 0.87673 | 296202.9 | 43086.9 | 182381.6 | U/P |
| 14.258 | 1.1250 | 0.0000 | 87.563 | 1.22762 | 0.84922 | 296236.9 | 43123.7 | 182407.5 | U/P |
| 14.267 | 1.1126 | 0.0000 | 87.562 | 1.22738 | 0.82240 | 296270.4 | 43160.5 | 182432.6 | U/P |
| 14.275 | 1.1017 | 0.0000 | 87.560 | 1.22714 | 0.79629 | 296303.7 | 43197.4 | 182456.8 | U/P |
| 14.283 | 1.0921 | 0.0000 | 87.559 | 1.22691 | 0.77089 | 296336.6 | 43234.2 | 182480.3 | U/P |
| 14.292 | 1.0835 | 0.0000 | 87.558 | 1.22668 | 0.74620 | 296369.2 | 43271.0 | 182503.1 | U/P |
| 14.300 | 1.0759 | 0.0000 | 87.557 | 1.22645 | 0.72222 | 296401.6 | 43307.8 | 182525.1 | U/P |
| 14.308 | 1.0692 | 0.0000 | 87.555 | 1.22623 | 0.69895 | 296433.8 | 43344.6 | 182546.4 | U/P |
| 14.317 | 1.0633 | 0.0000 | 87.554 | 1.22601 | 0.67637 | 296465.8 | 43381.3 | 182567.1 | U/P |
| 14.325 | 1.0582 | 0.0000 | 87.553 | 1.22580 | 0.65449 | 296497.6 | 43418.1 | 182587.0 | U/P |
| 14.333 | 1.0536 | 0.0000 | 87.552 | 1.22559 | 0.63328 | 296529.3 | 43454.9 | 182606.4 | U/P |
| 14.342 | 1.0495 | 0.0000 | 87.551 | 1.22538 | 0.61273 | 296560.8 | 43491.6 | 182625.0 | U/P |
| 14.350 | 1.0459 | 0.0000 | 87.550 | 1.22518 | 0.59282 | 296592.2 | 43528.4 | 182643.1 | U/P |
| 14.358 | 1.0426 | 0.0000 | 87.549 | 1.22498 | 0.57354 | 296623.5 | 43565.2 | 182660.6 | U/P |
| 14.367 | 1.0398 | 0.0000 | 87.548 | 1.22479 | 0.55487 | 296654.8 | 43601.9 | 182677.5 | U/P |
| 14.375 | 1.0373 | 0.0000 | 87.546 | 1.22460 | 0.53680 | 296685.9 | 43638.6 | 182693.9 | U/P |
| 14.383 | 1.0350 | 0.0000 | 87.545 | 1.22442 | 0.51930 | 296717.0 | 43675.4 | 182709.8 | U/P |
| 14.392 | 1.0331 | 0.0000 | 87.544 | 1.22424 | 0.50237 | 296748.0 | 43712.1 | 182725.1 | U/P |
| 14.400 | 1.0313 | 0.0000 | 87.544 | 1.22406 | 0.48597 | 296779.0 | 43748.8 | 182739.9 | U/P |
| 14.408 | 1.0298 | 0.0000 | 87.543 | 1.22389 | 0.47010 | 296809.9 | 43785.6 | 182754.3 | U/P |
| 14.417 | 1.0284 | 0.0000 | 87.542 | 1.22372 | 0.45474 | 296840.8 | 43822.3 | 182768.1 | U/P |
| 14.425 | 1.0272 | 0.0000 | 87.541 | 1.22355 | 0.43986 | 296871.6 | 43859.0 | 182781.5 | U/P |
| 14.433 | 1.0261 | 0.0000 | 87.540 | 1.22339 | 0.42547 | 296902.4 | 43895.7 | 182794.5 | U/P |
| 14.442 | 1.0252 | 0.0000 | 87.539 | 1.22323 | 0.41153 | 296933.2 | 43932.4 | 182807.1 | U/P |
| 14.450 | 1.0243 | 0.0000 | 87.538 | 1.22307 | 0.39803 | 296963.9 | 43969.1 | 182819.2 | U/P |
| 14.458 | 1.0235 | 0.0000 | 87.537 | 1.22292 | 0.38496 | 296994.7 | 44005.8 | 182831.0 | U/P |
| 14.467 | 1.0227 | 0.0000 | 87.536 | 1.22277 | 0.37230 | 297025.3 | 44042.5 | 182842.3 | U/P |
| 14.475 | 1.0221 | 0.0000 | 87.536 | 1.22263 | 0.36004 | 297056.0 | 44079.1 | 182853.3 | U/P |
| 14.483 | 1.0216 | 0.0000 | 87.535 | 1.22248 | 0.34816 | 297086.7 | 44115.8 | 182863.9 | U/P |
| 14.492 | 1.0211 | 0.0000 | 87.534 | 1.22234 | 0.33665 | 297117.3 | 44152.5 | 182874.2 | U/P |
| 14.500 | 1.0207 | 0.0000 | 87.533 | 1.22220 | 0.32550 | 297147.9 | 44189.1 | 182884.1 | U/P |
| 14.508 | 1.0204 | 0.0000 | 87.533 | 1.22207 | 0.31469 | 297178.6 | 44225.8 | \$82893.8 | U/P |
| 14.517 | 1.0201 | 0.0000 | 87.532 | 1.22194 | 0.30422 | 297209.2 | 44262.5 | 182903.0 | U/P |
| 14.525 | 1.0199 | 0.0000 | 87.531 | 1.22181 | 0.29408 | 297239.8 | 44299.1 | 182912.0 | U/P |
| 14.533 | 4.0198 | 0.0000 | 87.530 | 1.22168 | 0.28424 | 297270.4 | 44335.8 | 182920.7 | U/P |
| 14.542 | 1.0197 | 0.0000 | 87.530 | 1.22156 | 0.27471 | 297301.0 | 44372.4 | 182929.1 | U/P |
| 14.550 | 1.0197 | 0.0000 | 87.529 | 1.22144 | 0.26547 | 297331.6 | 44409.1 | 182937.2 | U/P |
| 14.558 | 1.0197 | 0.0000 | 87.528 | 1.22132 | 0.25652 | 297362.1 | 44445.7 | 182945.0 | U/P |
| 14.567 | 1.0197 | 0.0000 | 87.528 | 1.22120 | 0.24783 | 297392.7 | 44482.4 | 182952.6 | U/P |
| 14.575 | 1.0197 | 0.0000 | 87.527 | 1.22108 | 0.23941 | 297423.3 | 44519.0 | 182959.9 | U/P |
| 14.583 | 1.0197 | 0.0000 | 87.527 | 1.22097 | 0.23124 | 297453.9 | 44555.6 | 182966.9 | U/P |
| 14.592 | 1.0197 | 0.0000 | 87.526 | 1.22086 | 0.22332 | 297484.5 | 44592.2 | 182973.8 | U/P |
| 14.600 | 1.0197 | 0.0000 | 87.525 | 1.22075 | 0.21563 | 297515.1 | 44628.9 | 182980.3 | U/P |
| 14.608 | 1.0197 | 0.0000 | 87.525 | 1.22065 | 0.20817 | 297545.7 | 44665.5 | 182986.7 | U/P |
| 14.617 | 1.0197 | 0.0000 | 87.524 | 1.22054 | 0.20093 | 297576.3 | 44702.1 | 182992.8 | U/P |
| 14.625 | 1.0197 | 0.0000 | 87.524 | 1.22044 | 0.19390 | 297606.9 | 44738.7 | 182998.8 | U/P |
| 14.633 | 1.0196 | 0.0000 | 87.523 | 1.22034 | 0.18707 | 297637.5 | 44775.3 | 183004.5 | U/P |
| 14.642 | 1.0196 | 0.0000 | 87.522 | 1.22024 | 0.18045 | 297668.0 | 44811.9 | 183010.0 | U/P |
| 14.650 | 1.0196 | 0.0000 | 87.522 | 1.22014 | 0.17401 | 297698.6 | 44848.6 | 183015.3 | U/P |
| 14.658 | 1.0196 | 0.0000 | 87.521 | 1.22004 | 0.16776 | 297729.2 | 44885.2 | 183020.4 | U/P |
| 14.667 | 1.0196 | 0.0000 | 87.521 | 1.21995 | 0.16169 | 297759.8 | 44921.8 | 183025.4 | U/P |
| 14.675 | 1.0196 | 0.0000 | 87.520 | 1.21986 | 0.15580 | 297790.4 | 44958.4 | 183030.1 | U/P |
| 14.683 | 1.0196 | 0.0000 | 87.520 | 1.21977 | 0.15007 | 297821.0 | 44994.9 | 183034.7 | U/P |
| 14.692 | 1.0196 | 0.0000 | 87.519 | 1.21968 | 0.14450 | 297851.6 | 45031.5 | 183039.1 | U/P |
| 14.700 | 1.0196 | 0.0000 | 87.519 | 1.21959 | 0.13910 | 297882.2 | 45068.1 | 183043.4 | U/P |
| 14.708 | 1.0196 | 0.0000 | 87.518 | 1.21950 | 0.13384 | 297912.8 | 45104.7 | 183047.5 | U/P |
| 14.717 | 1.0196 | 0.0000 | 87.518 | 1.21942 | 0.12874 | 297943.3 | 45141.3 | 183051.4 | U/P |
| 14.725 | 1.0196 | 0.0000 | 87.517 | 1.21933 | 0.12377 | 297973.9 | 45177.9 | 183055.2 | U/P |
| 14.733 | 1.0196 | 0.0000 | 87.517 | 1.21925 | 0.11895 | 298004.5 | 45214.5 | 183058.8 | U/P |
| 14.742 | 1.0196 | 0.0000 | 87.517 | 1.21917 | 0.11426 | 298035.1 | 45251.0 | 183062.3 | U/P |
| 14.750 | 1.0196 | 0.0000 | 87.516 | 1.21909 | 0.10970 | 298065.7 | 45287.6 | 183065.7 | U/P |
| 14.758 | 1.0196 | 0.0000 | 87.516 | 1.21901 | 0.10528 | 298096.3 | 45324.2 | 183068.9 | U/P |
| 14.767 | 1.0196 | 0.0000 | 87.515 | 1.21893 | 0.10097 | 298126.9 | 45360.7 | 183072.0 | U/P |
| 14.775 | $\$ .0196$ | 0.0000 | 87.515 | 1.21885 | 0.09678 | 298157.4 | 45397.3 | 183075.0 | U/P |
| 14.783 | 1.0196 | 0.0000 | 87.514 | 1.21878 | 0.09272 | 298188.0 | 45433.9 | 183077.8 | U/P |
| 14.792 | 1.0196 | 0.0000 | 87.514 | 1.21870 | 0.08876 | 298218.6 | 45470.4 | 183080.5 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | Infiow Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Outside Recharge (f/day) | Stage Elevation (ft datum) | Infilitration Rate ( $\mathrm{f}^{1 / \mathrm{s}}$ ) | Overlow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume (ft) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 14.800 | 1.0196 | 0.0000 | 87.514 | 1.21863 | 0.08492 | 298249.2 | 45507.0 | 183083.2 | U/P |
| 14.808 | 1.0196 | 0.0000 | 87.513 | 1.21856 | 0.08118 | 298279.8 | 45543.6 | 183085.7 | U/P |
| 14.817 | 1.0196 | 0.0000 | 87.513 | 1.21848 | 0.07755 | 298310.4 | 45580.1 | 183088.0 | U/P |
| 14.825 | 1.0196 | 0.0000 | 87.512 | 1.21841 | 0.07402 | 298341.0 | 45616.7 | 183090.3 | U/P |
| 14.833 | 1.0196 | 0.0000 | 87.512 | 1.21834 | 0.07059 | 298371.6 | 45653.2 | 183092.5 | U/P |
| 14.842 | 1.0196 | 0.0000 | 87.512 | 1.21827 | 0.06726 | 298402.2 | 45689.8 | 183094.5 | U/P |
| 14.850 | 1.0196 | 0.0000 | 87.511 | 1.21821 | 0.06402 | 298432.8 | 45726.3 | 183096.5 | U/P |
| 14.858 | 1.0196 | 0.0000 | 87.511 | 1.21814 | 0.06087 | 298463.3 | 45762.9 | 183098.4 | U/P |
| 14.867 | 1.0196 | 0.0000 | 87.511 | 1.21807 | 0.05782 | 298493.9 | 45799.4 | 183100.2 | U/P |
| 14.875 | 1.0196 | 0.0000 | 87.510 | 1.21801 | 0.05485 | 298524.5 | 45835.9 | 183101.9 | U/P |
| 14.883 | 1.0196 | 0.0000 | 87.510 | 1.21794 | 0.05197 | 298555.1 | 45872.5 | 183103.5 | U/P |
| 14.892 | 1.0196 | 0.0000 | 87.509 | 1.21788 | 0.04918 | 298585.7 | 45909.0 | 183105.0 | U/P |
| 14.900 | 1.0196 | 0.0000 | 87.509 | 1.21781 | 0.04646 | 298616.3 | 45945.6 | 183106.4 | U/P |
| 14.908 | 1.0196 | 0.0000 | 87.509 | 1.21775 | 0.04383 | 298646.8 | 45982.1 | 183107.8 | U/P |
| 14.917 | 1.0196 | 0.0000 | 87.508 | 1.21769 | 0.04128 | 298677.4 | 46018.6 | 183109.0 | U/P |
| 14.925 | 1.0196 | 0.0000 | 87.508 | 1.21763 | 0.03880 | 298708.0 | 46055.1 | 183110.2 | U/P |
| 14.933 | 1.0196 | 0.0000 | 87.508 | 1.21757 | 0.03640 | 298738.6 | 46091.7 | 183111.4 | U/P |
| 14.942 | 1.0196 | 0.0000 | 87.507 | 1.21751 | 0.03408 | 298769.2 | 46128.2 | 183112.4 | U/P |
| 14.950 | 1.0196 | 0.0000 | 87.507 | 1.21745 | 0.03183 | 298799.8 | 46164.7 | 183113.4 | U/P |
| 14.958 | 1.0196 | 0.0000 | 87.507 | 1.21739 | 0.02965 | 298830.4 | 46201.3 | 183114.3 | U/P |
| 14.967 | 1.0196 | 0.0000 | 87.506 | 1.21733 | 0.02755 | 298861.0 | 46237.8 | 183115.2 | U/P |
| 14.975 | 1.0196 | 0.0000 | 87.506 | 1.21727 | 0.02552 | 298891.5 | 46274.3 | 183116.0 | U/P |
| 14.983 | 1.0196 | 0.0000 | 87.506 | 1.21722 | 0.02356 | 298922.1 | 46310.8 | 183116.7 | U/P |
| 14.992 | 1.0196 | 0.0000 | 87.505 | 1.21716 | 0.02166 | 298952.7 | 46347.3 | 183117.4 | U/P |
| 15.000 | 1.0196 | 0.0000 | 87.505 | 1.21710 | 0.01984 | 298983.3 | 46383.8 | 183118.0 | U/P |
| 15.008 | 1.0196 | 0.0000 | 87.505 | 1.21705 | 0.01808 | 299013.9 | 46420.3 | 183118.6 | U/P |
| 15.017 | 1.0196 | 0.0000 | 87.505 | 1.21699 | 0.01640 | 299044.5 | 46456.9 | 183119.1 | U/P |
| 15.025 | 1.0196 | 0.0000 | 87.504 | 1.21694 | 0.01478 | 299075.1 | 46493.4 | 183119.6 | U/P |
| 15.033 | 1.0196 | 0.0000 | 87.504 | 1.21688 | 0.01323 | 299105.7 | 46529.9 | 183120.0 | U/P |
| 15.042 | 1.0196 | 0.0000 | 87.504 | 1.21683 | 0.01175 | 299136.3 | 46566.4 | 183120.4 | U/P |
| 15.050 | 1.0196 | 0.0000 | 87.503 | 1.21677 | 0.01034 | 299166.8 | 46602.9 | 183120.7 | U/P |
| 15.058 | 1.0196 | 0.0000 | 87.503 | 1.21672 | 0.00900 | 299197.4 | 46639.4 | 183121.0 | U/P |
| 15.067 | 1.0196 | 0.0000 | 87.503 | 1.21667 | 0.00774 | 299228.0 | 46675.9 | 183121.3 | U/P |
| 15.075 | 1.0196 | 0.0000 | 87.502 | 1.21662 | 0.00654 | 299258.6 | 46712.4 | 183121.5 | U/P |
| 15.083 | 1.0196 | 0.0000 | 87.502 | 1.21656 | 0.00542 | 299289.2 | 46748.9 | 183121.6 | U/P |
| 15.092 | 1.0196 | 0.0000 | 87.502 | 1.21651 | 0.00438 | 299319.8 | 46785.4 | 183121.8 | U/P |
| 15.100 | 1.0196 | 0.0000 | 87.502 | 1.21646 | 0.00342 | 299350.3 | 46821.9 | 183121.9 | U/P |
| 15.108 | 1.0196 | 0.0000 | 87.501 | 1.21641 | 0.00255 | 299380.9 | 46858.4 | 183122.0 | U/P |
| 15.117 | 1.0197 | 0.0000 | 87.501 | 1.21636 | 0.00177 | 299411.5 | 46894.9 | 183122.1 | U/P |
| 15.125 | 1.0197 | 0.0000 | 87.501 | 1.21631 | 0.00109 | 299442.1 | 46931.4 | 183122.1 | U/P |
| 15.133 | 1.0197 | 0.0000 | 87.500 | 1.21626 | 0.00054 | 299472.7 | 46967.8 | 183122.1 | U/P |
| 15.142 | 1.0197 | 0.0000 | 87.500 | 1.21620 | 0.00013 | 299503.3 | 47004.3 | 183122.1 | U/P |
| 15.150 | 1.0197 | 0.0000 | 87.500 | 1.21615 | 0.00000 | 299533.9 | 47040.8 | 183122.1 | U/P |
| 15.158 | 1.0197 | 0.0000 | 87.500 | 1.21610 | 0.00000 | 299564.5 | 47077.3 | 183122.1 | U/P |
| 15.167 | 1.0197 | 0.0000 | 87.499 | 1.21605 | 0.00000 | 299595.1 | 47113.8 | 183122.1 | U/P |
| 15.175 | 1.0197 | 0.0000 | 87.499 | 1.21600 | 0.00000 | 299625.7 | 47150.3 | 183122.1 | U/P |
| 15.183 | 1.0197 | 0.0000 | 87.499 | 1.21595 | 0.00000 | 299656.3 | 47186.7 | 183122.1 | U/P |
| 15.192 | 1.0197 | 0.0000 | 87.499 | 1.21590 | 0.00000 | 299686.8 | 47223.2 | 183122.1 | U/P |
| 15.200 | 1.0197 | 0.0000 | 87.498 | 1.21585 | 0.00000 | 299717.4 | 47259.7 | 183122.1 | U/P |
| 15.208 | 1.0197 | 0.0000 | 87.498 | 1.21580 | 0.00000 | 299748.0 | 47296.2 | 183122.1 | U/P |
| 15.217 | 1.0197 | 0.0000 | 87.498 | 1.21575 | 0.00000 | 299778.6 | 47332.6 | 183122.1 | U/P |
| 15.225 | 1.0197 | 0.0000 | 87.497 | 1.21570 | 0.00000 | 299809.2 | 47369.1 | 183122.1 | U/P |
| 15.233 | 1.0197 | 0.0000 | 87.497 | 1.21565 | 0.00000 | 299839.8 | 47405.6 | 183122.1 | U/P |
| 15.242 | 1.0197 | 0.0000 | 87.497 | 1.21560 | 0.00000 | 299870.4 | 47442.1 | 183122.1 | U/P |
| 15.250 | 1.0197 | 0.0000 | 87.497 | 1.21555 | 0.00000 | 299901.0 | 47478.5 | 183122.1 | U/P |
| 15.258 | 1.0197 | 0.0000 | 87.496 | 1.21550 | 0.00000 | 299931.6 | 47515.0 | 183122.1 | U/P |
| 15.267 | 1.0197 | 0.0000 | 87.496 | 1.21545 | 0.00000 | 299962.2 | 47551.5 | 183122.1 | U/P |
| 15.275 | 1.0197 | 0.0000 | 87.496 | 1.21540 | 0.00000 | 299992.8 | 47587.9 | $183 \% 22.1$ | U/P |
| 15.283 | 1.0197 | 0.0000 | 87.495 | 1.21535 | 0.00000 | 300023.4 | 47624.4 | 183122.1 | U/P |
| 15.292 | 1.0197 | 0.0000 | 87.495 | 1.21530 | 0.00000 | 300054.0 | 47660.8 | 183122.1 | U/P |
| 15.300 | 1.0197 | 0.0000 | 87.495 | 1.21525 | 0.00000 | 300084.5 | 47697.3 | 183122.1 | U/P |
| 15.308 | 1.0197 | 0.0000 | 87.495 | 1.21520 | 0.00000 | 300115.1 | 47733.7 | 183122.1 | U/P |
| 15.317 | 1.0197 | 0.0000 | 87.494 | 1.21515 | 0.00000 | 300145.7 | 47770.2 | 183122.1 | U/P |
| 15.325 | 1.0197 | 0.0000 | 87.494 | 1.21510 | 0.00000 | 300176.3 | 47806.7 | 183122.1 | U/P |
| 15.333 | 1.0197 | 0.0000 | 87.494 | 1.21505 | 0.00000 | 300206.9 | 47843.1 | 183122.1 | U/P |
| 15.342 | 1.0198 | 0.0000 | 87.493 | 1.21500 | 0.00000 | 300237.5 | 47879.6 | 183122.1 | U/P |
| 15.350 | 1.0198 | 0.0000 | 87.493 | 1.21495 | 0.00000 | 300268.1 | 47916.0 | 183122.1 | U/P |
| 15.358 | 1.0198 | 0.0000 | 87.493 | 1.21490 | 0.00000 | 300298.7 | 47952.5 | 183122.1 | U/P |
| 15.367 | 1.0198 | 0.0000 | 87.493 | 1.21485 | 0.00000 | 300329.3 | 47988.9 | 183122.1 | U/P |
| 15.375 | 1.0198 | 0.0000 | 87.492 | 1.21480 | 0.00000 | 300359.9 | 48025.3 | 183122.1 | U/P |
| 15.383 | 1.0198 | 0.0000 | 87.492 | 1.21475 | 0.00000 | 300390.5 | 48061.8 | 183122.1 | U/P |
| 15.392 | 1.0198 | 0.0000 | 87.492 | 1.21470 | 0.00000 | 300421.1 | 48098.2 | 183122.1 | U/P |
| 15.400 | 1.0198 | 0.0000 | 87.492 | 1.21465 | 0.00000 | 300451.7 | 48134.7 | 183122.1 | U/P |
| 15.408 | 1.0198 | 0.0000 | 87.491 | 1.21460 | 0.00000 | 300482.3 | 48171.1 | 183122.1 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.

## Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{1} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{H}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{H}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 15.417 | 1.0198 | 0.0000 | 87.491 | 1.21455 | 0.00000 | 300512.8 | 48207.5 | 183122.1 | U/P |
| 15.425 | 1.0198 | 0.0000 | 87.491 | 1.21450 | 0.00000 | 300543.4 | 48244.0 | 183122.1 | U/P |
| 15.433 | 1.0198 | 0.0000 | 87.490 | 1.21445 | 0.00000 | 300574.0 | 48280.4 | 183122.1 | U/P |
| 15.442 | 1.0198 | 0.0000 | 87.490 | 1.21440 | 0.00000 | 300604.6 | 48316.8 | 183122.1 | U/P |
| 15.450 | 1.0198 | 0.0000 | 87.490 | 1.21435 | 0.00000 | 300635.2 | 48353.3 | 183122.1 | U/P |
| 15.458 | 1.0198 | 0.0000 | 87.490 | 1.21430 | 0.00000 | 300665.8 | 48389.7 | 183122.1 | U/P |
| 15.467 | 1.0198 | 0.0000 | 87.489 | 1.21425 | 0.00000 | 300696.4 | 48426.1 | 183122.1 | U/P |
| 15.475 | 1.0198 | 0.0000 | 87.489 | 1.21420 | 0.00000 | 300727.0 | 48462.6 | 183122.1 | U/P |
| 15.483 | 1.0198 | 0.0000 | 87.489 | 1.21415 | 0.00000 | 300757.6 | 48499.0 | 183122.1 | U/P |
| 15.492 | 1.0198 | 0.0000 | 87.488 | 1.21410 | 0.00000 | 300788.2 | 48535.4 | 183122.1 | U/P |
| 15.500 | 1.0198 | 0.0000 | 87.488 | 1.21405 | 0.00000 | 300818.8 | 48571.8 | 183122.1 | U/P |
| 15.508 | 1.0196 | 0.0000 | 87.488 | 1.21400 | 0.00000 | 300849.3 | 48608.3 | 183122.1 | U/P |
| 15.517 | 1.0192 | 0.0000 | 87.488 | 1.21395 | 0.00000 | 300879.9 | 48644.7 | 183122.1 | U/P |
| 15.525 | 1.0183 | 0.0000 | 87.487 | 1.21390 | 0.00000 | 300910.5 | 48681.1 | 183122.1 | U/P |
| 15.533 | 1.0168 | 0.0000 | 87.487 | 1.21384 | 0.00000 | 300941.0 | 48717.5 | 183122.1 | U/P |
| 15.542 | 1.0145 | 0.0000 | 87.487 | 1.21379 | 0.00000 | 300971.5 | 48753.9 | 183122.1 | U/P |
| 15.550 | 1.0113 | 0.0000 | 87.487 | 1.21374 | 0.00000 | 301001.9 | 48790.3 | 183122.1 | U/P |
| 15.558 | 1.0070 | 0.0000 | 87.486 | 1.21369 | 0.00000 | 301032.2 | 48826.7 | 183122.1 | U/P |
| 15.567 | 1.0013 | 0.0000 | 87.486 | 1.21364 | 0.00000 | 301062.3 | 48863.2 | 183122.1 | U/P |
| 15.575 | 0.9944 | 0.0000 | 87.486 | 1.21358 | 0.00000 | 301092.2 | 48899.6 | 183122.1 | U/P |
| 15.583 | 0.9865 | 0.0000 | 87.485 | 1.21353 | 0.00000 | 301121.9 | 48936.0 | 183122.1 | U/P |
| 15.592 | 0.9778 | 0.0000 | 87.485 | 1.21347 | 0.00000 | 301151.4 | 48972.4 | 183122.1 | U/P |
| 15.600 | 0.9686 | 0.0000 | 87.485 | 1.21341 | 0.00000 | 301180.6 | 49008.8 | 183122.1 | U/P |
| 15.608 | 0.9591 | 0.0000 | 87.484 | 1.21334 | 0.00000 | 301209.5 | 49045.2 | 183122.1 | U/P |
| 15.617 | 0.9496 | 0.0000 | 87.484 | 1.21328 | 0.00000 | 301238.2 | 49081.6 | 183122.1 | U/P |
| 15.625 | 0.9402 | 0.0000 | 87.483 | 1.21321 | 0.00000 | 301266.5 | 49118.0 | 183122.1 | U/P |
| 15.633 | 0.9311 | 0.0000 | 87.483 | 1.27314 | 0.00000 | 301294.6 | 49154.4 | 183122.1 | U/P |
| 15.642 | 0.9225 | 0.0000 | 87.483 | 1.21307 | 0.00000 | 301322.4 | 49190.8 | 183122.1 | U/P |
| 15.650 | 0.9144 | 0.0000 | 87.482 | 1.21299 | 0.00000 | 301349.9 | 49227.2 | 183122.1 | U/P |
| 15.658 | 0.9069 | 0.0000 | 87.482 | \$. 21292 | 0.00000 | 301377.3 | 49263.5 | 183122.1 | U/P |
| 15.667 | 0.9000 | 0.0000 | 87.481 | 1.21284 | 0.00000 | 301404.3 | 49299.9 | 183122.1 | U/P |
| 15.675 | 0.8940 | 0.0000 | 87.481 | 1.21276 | 0.00000 | 301431.3 | 49336.3 | 183122.1 | U/P |
| 15.683 | 0.8888 | 0.0000 | 87.480 | 1.21267 | 0.00000 | 301458.0 | 49372.7 | 183122.1 | U/P |
| 15.692 | 0.8842 | 0.0000 | 87.480 | 1.21259 | 0.00000 | 301484.6 | 49409.1 | 183122.1 | U/P |
| 15.700 | 0.8803 | 0.0000 | 87.480 | 1.21251 | 0.00000 | 301511.1 | 49445.5 | 183122.1 | U/P |
| 15.708 | 0.8768 | 0.0000 | 87.479 | 1.21242 | 0.00000 | 301537.4 | 49481.8 | 183122.1 | U/P |
| 15.717 | 0.8737 | 0.0000 | 87.479 | 1.21234 | 0.00000 | 301563.7 | 49518.2 | 183122.1 | U/P |
| 15.725 | 0.8709 | 0.0000 | 87.478 | 1.21225 | 0.00000 | 301589.8 | 49554.6 | 183122.1 | U/P |
| 15.733 | 0.8685 | 0.0000 | 87.478 | 1.21216 | 0.00000 | 301615.9 | 49590.9 | 183122.1 | U/P |
| 15.742 | 0.8663 | 0.0000 | 87.477 | 1.21207 | 0.00000 | 301641.9 | 49627.3 | 183122,1 | U/P |
| 15.750 | 0.8644 | 0.0000 | 87.477 | 1.21198 | 0.00000 | 301667.9 | 49663.7 | 183122.1 | U/P |
| 15.758 | 0.8626 | 0.0000 | 87.476 | 1.21189 | 0.00000 | 301693.8 | 49700.0 | 183122.1 | U/P |
| 15.767 | 0.8611 | 0.0000 | 87.476 | 1.21180 | 0.00000 | 301719.7 | 49736.4 | 183122.1 | U/P |
| 15.775 | 0.8598 | 0.0000 | 87.475 | 1.21171 | 0.00000 | 301745.5 | 49772.7 | 183122.1 | U/P |
| 15.783 | 0.8586 | 0.0000 | 87.475 | 1.21162 | 0.00000 | 301771.3 | 49809.1 | 183122.1 | U/P |
| 15.792 | 0.8576 | 0.0000 | 87.474 | 1.21153 | 0.00000 | 301797.0 | 49845.4 | 183122.1 | U/P |
| 15.800 | 0.8566 | 0.0000 | 87.474 | 1.21144 | 0.00000 | 301822.7 | 49881.8 | 183122.1 | U/P |
| 15.808 | 0.8558 | 0.0000 | 87.473 | 1.21135 | 0.00000 | 301848.4 | 49918.1 | 183122.1 | U/P |
| 15.817 | 0.8551 | 0.0000 | 87.473 | 1.21126 | 0.00000 | 301874.1 | 49954.4 | 183122.1 | U/P |
| 15.825 | 0.8544 | 0.0000 | 87.472 | 1.21116 | 0.00000 | 301899.7 | 49990.8 | 183122.1 | U/P |
| 15.833 | 0.8539 | 0.0000 | 87.472 | 1.21107 | 0.00000 | 301925.3 | 50027.1 | 183122.1 | U/P |
| 15.842 | 0.8534 | 0.0000 | 87.471 | 1.21098 | 0.00000 | 301950.9 | 50063.4 | 183122.1 | U/P |
| 15.850 | 0.8529 | 0.0000 | 87.471 | 1.21089 | 0.00000 | 301976.5 | 50099.8 | 183122.1 | U/P |
| 15.858 | 0.8526 | 0.0000 | 87.470 | 1.21080 | 0.00000 | 302002.1 | 50136.1 | 183122.1 | U/P |
| 15.867 | 0.8522 | 0.0000 | 87.469 | 1.21070 | 0.00000 | 302027.7 | 50172.4 | 183122.1 | U/P |
| 15.875 | 0.8519 | 0.0000 | 87.469 | 1.21061 | 0.00000 | 302053.3 | 50208.7 | 183122.1 | U/P |
| 15.883 | 0.8516 | 0.0000 | 87.468 | 1.21052 | 0.00000 | 302078.8 | 50245.1 | 183122.1 | U/P |
| 15.892 | 0.8514 | 0.0000 | 87.468 | 1.21043 | 0.00000 | 302104.3 | 50281.4 | 183122.1 | U/P |
| 15.900 | 0.8512 | 0.0000 | 87.467 | 1.21033 | 0.00000 | 302129.9 | 50317.7 | 183122.1 | U/P |
| 15.908 | 0.8510 | 0.0000 | 87.467 | 1.21024 | 0.00000 | 302155.4 | 50354.0 | 183122.1 | U/P |
| 15.917 | 0.8508 | 0.0000 | 87.466 | 1.21015 | 0.00000 | 302180.9 | 50390.3 | 183122.1 | U/P |
| 15.925 | 0.8507 | 0.0000 | 87.466 | 1.21006 | 0.00000 | 302206.5 | 50426.6 | 183122.1 | U/P |
| 15.933 | 0.8505 | 0.0000 | 87.465 | 1.20996 | 0.00000 | 302232.0 | 50462.9 | 183122.1 | U/P |
| 15.942 | 0.8504 | 0.0000 | 87.465 | 1.20987 | 0.00000 | 302257.5 | 50499.2 | 183122.1 | U/P |
| 15.950 | 0.8503 | 0.0000 | 87.464 | 1.20978 | 0.00000 | 302283.0 | 50535.5 | 183122.1 | U/P |
| 15.958 | 0.8502 | 0.0000 | 87.464 | 1.20968 | 0.00000 | 302308.5 | 50571.8 | 183122.1 | U/P |
| 15.967 | 0.8501 | 0.0000 | 87.463 | 1.20959 | 0.00000 | 302334.0 | 50608.1 | 183122.1 | U/P |
| 15.975 | 0.8500 | 0.0000 | 87.463 | 1.20950 | 0.00000 | 302359.5 | 50644.4 | 183122.1 | U/P |
| 15.983 | 0.8500 | 0.0000 | 87.462 | 1.20941 | 0.00000 | 302385.0 | 50680.6 | 183122.1 | U/P |
| 15.992 | 0.8499 | 0.0000 | 87.462 | 1.20931 | 0.00000 | 302410.5 | 50716.9 | 183122.1 | U/P |
| 16.000 | 0.8499 | 0.0000 | 87.461 | 1.20922 | 0.00000 | 302436.0 | 50753.2 | 183122.1 | U/P |
| 16.008 | 0.8498 | 0.0000 | 87.461 | 1.20913 | 0.00000 | 302461.5 | 50789.5 | 183122.1 | U/P |
| 16.017 | 0.8495 | 0.0000 | 87.460 | 1.20903 | 0.00000 | 302487.0 | 50825.8 | 183122.1 | U/P |
| 16.025 | 0.8489 | 0.0000 | 87.460 | 1.20894 | 0.00000 | 302512.5 | 50862.0 | 183122.1 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (fitday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / 5}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 16.033 | 0.8477 | 0.0000 | 87.459 | 1.20885 | 0.00000 | 302537.9 | 50898.3 | 183122.1 | U/P |
| 16.042 | 0.8458 | 0.0000 | 87.459 | 1.20876 | 0.00000 | 302563.3 | 50934.6 | 183122.1 | U/P |
| 16.050 | 0.8431 | 0.0000 | 87.458 | 1.20866 | 0.00000 | 302588.7 | 50970.8 | 183122.1 | U/P |
| 16.058 | 0.8393 | 0.0000 | 87.458 | 1.20857 | 0.00000 | 302613.9 | 51007.1 | 183122.1 | U/P |
| 16.067 | 0.8343 | 0.0000 | 87.457 | 1.20847 | 0.00000 | 302639.0 | 51043.3 | 183122.1 | U/P |
| 16.075 | 0.8280 | 0.0000 | 87.457 | 1.20837 | 0.00000 | 302663.9 | 51079.6 | 183122.1 | U/P |
| 16.083 | 0.8205 | 0.0000 | 87.456 | 1.20828 | 0.00000 | 302688.7 | 51115.8 | 183122.1 | U/P |
| 16.092 | 0.8121 | 0.0000 | 87.455 | 1.20818 | 0.00000 | 302713.2 | 51152.1 | 183122.1 | U/P |
| 16.100 | 0.8031 | 0.0000 | 87.455 | 1.20807 | 0.00000 | 302737.4 | 51188.3 | 183122.1 | U/P |
| 16.108 | 0.7936 | 0.0000 | 87.454 | 1.20797 | 0.00000 | 302761.3 | 51224.6 | 183122.1 | U/P |
| 16.117 | 0.7841 | 0.0000 | 87.454 | 1.20786 | 0.00000 | 302785.0 | 51260.8 | 183122.1 | U/P |
| 16.125 | 0.7746 | 0.0000 | 87.453 | 1.20775 | 0.00000 | 302808.4 | 51297.0 | 183122.4 | U/P |
| 16.133 | 0.7653 | 0.0000 | 87.452 | 1.20764 | 0.00000 | 302831.5 | 51333.3 | 183122.4 | U/P |
| 16.142 | 0.7565 | 0.0000 | 87.452 | 1.20753 | 0.00000 | 302854.3 | 51369.5 | 183122.1 | U/P |
| 16.150 | 0.7481 | 0.0000 | 87.451 | 1.20741 | 0.00000 | 302876.9 | 51405.7 | 183122.1 | U/P |
| 16.158 | 0.7403 | 0.0000 | 87.450 | 1.20729 | 0.00000 | 302899.2 | 51441.9 | 183122.1 | U/P |
| 16.167 | 0.7331 | 0.0000 | 87.450 | 1.20717 | 0.00000 | 302921.3 | 51478.2 | 183122.1 | U/P |
| 16.175 | 0.7267 | 0.0000 | 87.449 | 1.20705 | 0.00000 | 302943.2 | 51514.4 | 183122.1 | U/P |
| 16.183 | 0.7211 | 0.0000 | 87.448 | 1.20692 | 0.00000 | 302964.9 | 51550.6 | 183122.1 | U/P |
| 16.192 | 0.7162 | 0.0000 | 87.448 | 1.20680 | 0.00000 | 302986.5 | 51586.8 | 183122.1 | U/P |
| 16.200 | 0.7120 | 0.0000 | 87.447 | 1.20667 | 0.00000 | 303007.9 | 51623.0 | 183122.1 | U/P |
| 16.208 | 0.7083 | 0.0000 | 87.446 | 1.20654 | 0.00000 | 303029.2 | 51659.2 | 183122.1 | U/P |
| 16.217 | 0.7050 | 0.0000 | 87.446 | 1.20641 | 0.00000 | 303050.4 | 51695.4 | 183122.1 | U/P |
| 16.225 | 0.7021 | 0.0000 | 87.445 | 1.20628 | 0.00000 | 303071.5 | 51731.6 | 183122.1 | U/P |
| 16.233 | 0.6996 | 0.0000 | 87.444 | 1.20615 | 0.00000 | 303092.5 | 51767.8 | 183122.1 | U/P |
| 16.242 | 0.6972 | 0.0000 | 87.443 | 1.20602 | 0.00000 | 303113.5 | 51803.9 | 183122.1 | U/P |
| 16.250 | 0.6952 | 0.0000 | 87.443 | 1.20589 | 0.00000 | 303134.4 | 51840.1 | 183122.1 | U/P |
| 16.258 | 0.6934 | 0.0000 | 87.442 | 1.20576 | 0.00000 | 303155.2 | 51876.3 | 183122.1 | U/P |
| 16.267 | 0.6918 | 0.0000 | 87.441 | 1.20563 | 0.00000 | 303176.0 | 51912.5 | 183122.1 | U/P |
| 16.275 | 0.6904 | 0.0000 | 87.440 | 1.20549 | 0.00000 | 303196.7 | 51948.6 | 183122.1 | U/P |
| 16.283 | 0.6891 | 0.0000 | 87.440 | 1.20536 | 0.00000 | 303217.4 | 51984.8 | 183122.1 | U/P |
| 16.292 | 0.6880 | 0.0000 | 87.439 | $\uparrow .20523$ | 0.00000 | 303238.1 | 52021.0 | $\uparrow 83122.1$ | U/P |
| 16.300 | 0.6870 | 0.0000 | 87.438 | 1.20509 | 0.00000 | 303258.7 | 52057.1 | 183122.1 | U/P |
| 16.308 | 0.6861 | 0.0000 | 87.437 | 1.20496 | 0.00000 | 303279.3 | 52093.3 | 183122.1 | U/P |
| 16.317 | 0.6854 | 0.0000 | 87.437 | 1.20482 | 0.00000 | 303299.8 | 52129.4 | 183122.1 | U/P |
| 16.325 | 0.6847 | 0.0000 | 87.436 | 1.20469 | 0.00000 | 303320.4 | 52165.5 | 183122.1 | U/P |
| 16.333 | 0.6841 | 0.0000 | 87.435 | 1.20455 | 0.00000 | 303340.9 | 52201.7 | 183122.1 | U/P |
| 16.342 | 0.6836 | 0.0000 | 87.434 | 1.20442 | 0.00000 | 303361.4 | 52237.8 | 183122.1 | U/P |
| 16.350 | 0.6831 | 0.0000 | 87.434 | 1.20428 | 0.00000 | 303381.9 | 52273.9 | 183122.1 | U/P |
| 16.358 | 0.6827 | 0.0000 | 87.433 | 1.20415 | 0.00000 | 303402.4 | 52310.1 | 183122.1 | U/P |
| 16.367 | 0.6823 | 0.0000 | 87.432 | 1.20401 | 0.00000 | 303422.9 | 52346.2 | 183122.1 | U/P |
| 16.375 | 0.6820 | 0.0000 | 87.431 | 1.20388 | 0.00000 | 303443.4 | 52382.3 | 183122.1 | U/P |
| 16.383 | 0.6817 | 0.0000 | 87.431 | 1.20374 | 0.00000 | 303463.8 | 52418.4 | 183122.1 | U/P |
| 16.392 | 0.6814 | 0.0000 | 87.430 | 1.20361 | 0.00000 | 303484.3 | 52454.5 | 183122.1 | U/P |
| 16.400 | 0.6812 | 0.0000 | 87.429 | 1.20347 | 0.00000 | 303504.7 | 52490.6 | 183122.1 | U/P |
| 16.408 | 0.6810 | 0.0000 | 87.428 | 1.20334 | 0.00000 | 303525.2 | 52526.7 | 183122.1 | U/P |
| 16.417 | 0.6808 | 0.0000 | 87.428 | 1.20320 | 0.00000 | 303545.6 | 52562.8 | 183122.1 | U/P |
| 16.425 | 0.6807 | 0.0000 | 87.427 | 1.20306 | 0.00000 | 303566.0 | 52598.9 | 183122.1 | U/P |
| 16.433 | 0.6805 | 0.0000 | 87.426 | 1.20293 | 0.00000 | 303586.4 | 52635.0 | 183122.1 | U/P |
| 16.442 | 0.6804 | 0.0000 | 87.425 | 1.20279 | 0.00000 | 303606.8 | 52671.1 | 183122.1 | U/P |
| 16.450 | 0.6803 | 0.0000 | 87.425 | 1.20266 | 0.00000 | 303627.3 | 52707.2 | 183122.1 | U/P |
| 16.458 | 0.6802 | 0.0000 | 87.424 | 1.20252 | 0.00000 | 303647.7 | 52743.3 | 183122.1 | U/P |
| 16.467 | 0.6801 | 0.0000 | 87.423 | 1.20239 | 0.00000 | 303668.1 | 52779.3 | 183122.1 | U/P |
| 16.475 | 0.6800 | 0.0000 | 87.422 | 1.20225 | 0.00000 | 303688.5 | 52815.4 | 183122.1 | U/P |
| 16.483 | 0.6800 | 0.0000 | 87.422 | 1.20212 | 0.00000 | 303708.9 | 52851.5 | 183122.1 | U/P |
| 16.492 | 0.6799 | 0.0000 | 87.421 | 1.20198 | 0.00000 | 303729.3 | 52887.5 | 183122.1 | U/P |
| 16.500 | 0.6798 | 0.0000 | 87.420 | 1.20184 | 0.00000 | 303749.7 | 52923.6 | 183122.1 | U/P |
| 16.508 | 0.6798 | 0.0000 | 87.419 | 1.20171 | 0.00000 | 303770.1 | 52959.7 | 183122.1 | U/P |
| 16.517 | 0.6799 | 0.0000 | 87.419 | 1.20157 | 0.00000 | 303790.4 | 52995.7 | 483122.1 | U/P |
| 16.525 | 0.6804 | 0.0000 | 87.418 | 1.20144 | 0.00000 | 303810.8 | 53031.8 | $\$ 83122.1$ | U/P |
| 16.533 | 0.6816 | 0.0000 | 87.417 | 1.20130 | 0.00000 | 303831.3 | 53067.8 | 183122.1 | U/P |
| 16.542 | 0.6835 | 0.0000 | 87.416 | 1.20117 | 0.00000 | 303851.8 | 53103.8 | 183122.1 | U/P |
| 16.550 | 0.6863 | 0.0000 | 87.416 | 1.20103 | 0.00000 | 303872.3 | 53139.9 | 183122.1 | U/P |
| 16.558 | 0.6904 | 0.0000 | 87.415 | 5.94968 | 0.00000 | 303892.9 | 53175.9 | 183122.1 | U/P |
| 16.567 | 0.6959 | 0.0000 | 87.400 | 10.36287 | 0.00000 | 303913.8 | 53496.8 | 183122.1 | U/S |
| 16.575 | 0.7030 | 0.0000 | 87.387 | 10.05749 | 0.00000 | 303934.7 | 53797.7 | 183122.1 | S |
| 16.583 | 0.7117 | 0.0000 | 87.373 | 10.05641 | 0.00000 | 303955.9 | 54100.3 | 183122.1 | S |
| 16.592 | 0.7216 | 0.0000 | 87.360 | 9.94171 | 0.00000 | 303977.4 | 54401.0 | 183122.1 | S |
| 16.600 | 0.7325 | 0.0000 | 87.346 | 9.73309 | 0.00000 | 303999.3 | 54696.8 | 183122.1 | S |
| 16.608 | 0.7441 | 0.0000 | 87.333 | 9.45190 | 0.00000 | 304021.4 | 54985.0 | 183122.1 | S |
| 16.617 | 0.7560 | 0.0000 | 87.321 | 9.11925 | 0.00000 | 304043.9 | 55263.9 | 183122.1 | S |
| 16.625 | 0.7679 | 0.0000 | 87.309 | 8.75446 | 0.00000 | 304066.8 | 55532.2 | 183122.1 | S |
| 16.633 | 0.7796 | 0.0000 | 87.297 | 8.37415 | 0.00000 | 304090.0 | 55789.2 | 183122.1 | S |
| 16.642 | 0.7909 | 0.0000 | 87.286 | 7.99182 | 0.00000 | 304113.5 | 56034.6 | 183122.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{fl}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Infow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 16.650 | 0.8017 | 0.0000 | 87.276 | 7.61770 | 0.00000 | 304137.4 | 56268.7 | 183122.1 | S |
| 16.658 | 0.8118 | 0.0000 | 87.266 | 7.25915 | 0.00000 | 304161.6 | 56491.7 | 183122.1 | S |
| 16.667 | 0.8211 | 0.0000 | 87.257 | 6.92091 | 0.00000 | 304186.1 | 56704.2 | 183122.1 | S |
| 16.675 | 0.8296 | 0.0000 | 87.248 | 6.60567 | 0.00000 | 304210.9 | 56907.0 | 183122.1 | S |
| 16.683 | 0.8371 | 0.0000 | 87.240 | 6.31448 | 0.00000 | 304235.9 | 57100.6 | 183122.1 | S |
| 16.692 | 0.8436 | 0.0000 | 87.232 | 6.04724 | 0.00000 | 304261.1 | 57285.8 | 183122.1 | S |
| 16.700 | 0.8493 | 0.0000 | 87.224 | 5.80303 | 0.00000 | 304286.5 | 57463.4 | 183122.1 | S |
| 16.708 | 0.8542 | 0.0000 | 87.217 | 5.58044 | 0.00000 | 304312.0 | 57634.0 | 183122.1 | S |
| 16.717 | 0.8585 | 0.0000 | 87.210 | 5.37774 | 0.00000 | 304337.7 | 57798.2 | 183122.1 | S |
| 16.725 | 0.8624 | 0.0000 | 87.204 | 5.19310 | 0.00000 | 304363.5 | 57956.7 | 183122.1 | S |
| 16.733 | 0.8658 | 0.0000 | 87.197 | 5.02472 | 0.00000 | 304389.5 | 58109.8 | 183122.1 | S |
| 16.742 | 0.8688 | 0.0000 | 87.191 | 4.87083 | 0.00000 | 304415.5 | 58258.1 | 183122.1 | S |
| 16.750 | 0.8716 | 0.0000 | 87.185 | 4.72982 | 0.00000 | 304441.6 | 58402.1 | 183122.1 | S |
| 16.758 | 0.8740 | 0.0000 | 87.180 | 4.60022 | 0.00000 | 304467.8 | 58541.9 | 183122.1 | S |
| 16.767 | 0.8761 | 0.0000 | 87.174 | 4.48069 | 0.00000 | 304494.0 | 58678.1 | 183122.1 | S |
| 16.775 | 0.8780 | 0.0000 | 87.169 | 4.37008 | 0.00000 | 304520.3 | 58810.8 | 183122.1 | S |
| 16.783 | 0.8797 | 0.0000 | 87.164 | 4.26735 | 0.00000 | 304546.7 | 58940.3 | 183122.1 | S |
| 16.792 | 0.8811 | 0.0000 | 87.159 | 4.17161 | 0.00000 | 304573.1 | 59066.8 | 183122.1 | S |
| 16.800 | 0.8824 | 0.0000 | 87.154 | 4.08209 | 0.00000 | 304599.6 | 59190.6 | 183122.1 | S |
| 16.808 | 0.8836 | 0.0000 | 87.149 | 3.99813 | 0.00000 | 304626.1 | 59311.7 | $183\{22.1$ | S |
| 16.817 | 0.8846 | 0.0000 | 87.145 | 3.91914 | 0.00000 | 304652.6 | 59430.5 | 183122.1 | S |
| 16.825 | 0.8855 | 0.0000 | 87.140 | 3.84463 | 0.00000 | 304679.1 | 59546.9 | 183122.1 | S |
| 16.833 | 0.8863 | 0.0000 | 87.136 | 3.77416 | 0.00000 | 304705.7 | 59661.1 | 183122.1 | S |
| 16.842 | 0.8870 | 0.0000 | 87.131 | 3.70737 | 0.00000 | 304732.3 | 59773.3 | 183122.1 | S |
| 16.850 | 0.8876 | 0.0000 | 87.127 | 3.64392 | 0.00000 | 304758.9 | 59883.6 | 183122.1 | S |
| 16.858 | 0.8882 | 0.0000 | 87.123 | 3.58354 | 0.00000 | 304785.6 | 59992.0 | 183122.1 | S |
| 16.867 | 0.8887 | 0.0000 | 87.119 | 3.52597 | 0.00000 | 304812.2 | 60098.6 | 183122.1 | S |
| 16.875 | 0.8891 | 0.0000 | 87.115 | 3.47099 | 0.00000 | 304838.9 | 60203.5 | 183122.1 | S |
| 16.883 | 0.8895 | 0.0000 | 87.111 | 3.41842 | 0.00000 | 304865.6 | 60306.9 | 183122.1 | S |
| 16.892 | 0.8898 | 0.0000 | 87.107 | 3.36808 | 0.00000 | 304892.3 | 60408.6 | 183122.1 | S |
| 16.900 | 0.8901 | 0.0000 | 87.104 | 3.31980 | 0.00000 | 304919.0 | 60508.9 | 183122.1 | S |
| 16.908 | 0.8904 | 0.0000 | 87.100 | 3.27347 | 0.00000 | 304945.7 | 60607.8 | 183122.1 | S |
| 16.917 | 0.8906 | 0.0000 | 87.096 | 3.22894 | 0.00000 | 304972.4 | 60705.4 | 183122.1 | S |
| 16.925 | 0.8908 | 0.0000 | 87.093 | 3.18610 | 0.00000 | 304999, 1 | 60801.6 | 183122.1 | S |
| 16.933 | 0.8910 | 0.0000 | 87.089 | 3.14486 | 0.00000 | 305025.8 | 60896.5 | 183122.1 | S |
| 16.942 | 0.8912 | 0.0000 | 87.086 | 3.10511 | 0.00000 | 305052.6 | 60990.3 | 183122.1 | S |
| 16.950 | 0.8913 | 0.0000 | 87.083 | 3.06677 | 0.00000 | 305079.3 | 61082.8 | 183122.1 | S |
| 16.958 | 0.8915 | 0.0000 | 87.079 | 3.02976 | 0.00000 | 305106.0 | 61174.3 | 183122.1 | S |
| 16.967 | 0.8916 | 0.0000 | 87.076 | 2.99401 | 0.00000 | 305132.8 | 61264.6 | 183122.1 | S |
| 16.975 | 0.8917 | 0.0000 | 87.073 | 2.95944 | 0.00000 | 305159.5 | 61353.9 | 183122.1 | S |
| 16.983 | 0.8918 | 0.0000 | 87.070 | 2.92599 | 0.00000 | 305186.3 | 61442.2 | 183122.1 | S |
| 16.992 | 0.8919 | 0.0000 | 87.067 | 2.89361 | 0.00000 | 305213.0 | 61529.5 | 183122.1 | S |
| 17.000 | 0.8921 | 0.0000 | 87.064 | 2.86224 | 0.00000 | 305239.8 | 61615.8 | 183122.1 | S |
| 17.008 | 0.8926 | 0.0000 | 87.061 | 2.83183 | 0.00000 | 305266.6 | 61701.2 | 183122.1 | S |
| 17.017 | 0.8935 | 0.0000 | 87.058 | 2.80234 | 0.00000 | 305293.4 | 61785.7 | 183122.1 | S |
| 17.025 | 0.8949 | 0.0000 | 87.055 | 2.77372 | 0.00000 | 305320.2 | 61869.3 | 183122.1 | S |
| 17.033 | 0.8969 | 0.0000 | 87.052 | 2.74593 | 0.00000 | 305347.1 | 61952.1 | 183122.1 | S |
| 17.042 | 0.8997 | 0.0000 | 87.049 | 2.71894 | 0.00000 | 305374.0 | 62034.1 | 183122.1 | S |
| 17.050 | 0.9034 | 0.0000 | 87.047 | 2.69272 | 0.00000 | 305401.1 | 62115.3 | 183122.1 | S |
| 17.058 | 0.9081 | 0.0000 | 87.044 | 2.66722 | 0.00000 | 305428.3 | 62195.7 | 183122.7 | S |
| 17.067 | 0.9137 | 0.0000 | 87.041 | 2.64243 | 0.00000 | 305455.6 | 62275.3 | 183122.1 | S |
| 17.075 | 0.9199 | 0.0000 | 87.039 | 2.61830 | 0.00000 | 305483.1 | 62354.2 | 183122.1 | S |
| 17.083 | 0.9266 | 0.0000 | 87.036 | 2.59483 | 0.00000 | 305510.8 | 62432.4 | 183122.1 | S |
| 17.092 | 0.9337 | 0.0000 | 87.033 | 2.57197 | 0.00000 | 305538.7 | 62509.9 | 183122.1 | S |
| 17.100 | 0.9409 | 0.0000 | 87.031 | 2.54970 | 0.00000 | 305566.8 | 62586.7 | 183122.1 | S |
| 17.108 | 0.9480 | 0.0000 | 87.029 | 2.52800 | 0.00000 | 305595.1 | 62662.9 | 183122.1 | S |
| 17.117 | 0.9550 | 0.0000 | 87.026 | 2.50685 | 0.00000 | 305623.7 | 62738.4 | 183122.1 | S |
| 17.125 | 0.9616 | 0.0000 | 87.024 | 2.48622 | 0.00000 | 305652.4 | 62813.3 | 183122.1 | S |
| 17.133 | 0.9679 | 0.0000 | 87.021 | 2.46609 | 0.00000 | 305681.3 | 62887.6 | 183122.1 | S |
| 17.142 | 0.9738 | 0.0000 | 87.019 | 2.44643 | 0.00000 | 305710.5 | 62961.3 | 183122.1 | S |
| 17.150 | 0.9793 | 0.0000 | 87.017 | 2.42724 | 0.00000 | 305739.8 | 63034.4 | 183122.1 | S |
| 17.158 | 0.9841 | 0.0000 | 87.015 | 2.40848 | 0.00000 | 305769.2 | 63106.9 | 183122.1 | S |
| 17.167 | 0.9884 | 0.0000 | 87.013 | 2.39015 | 0.00000 | 305798.8 | 63178.9 | 183122.1 | S |
| 17.175 | 0.9921 | 0.0000 | 87.010 | 2.37223 | 0.00000 | 305828.5 | 63250.3 | 183122.1 | S |
| 17.183 | 0.9953 | 0.0000 | 87.008 | 2.35469 | 0.00000 | 305858.3 | 63321.2 | 183122.1 | S |
| 17.192 | 0.9981 | 0.0000 | 87.006 | 2.33753 | 0.00000 | 305888.3 | 63391.6 | 183122.1 | S |
| 17.200 | 1.0006 | 0.0000 | 87.004 | 2.32073 | 0.00000 | 305918.2 | 63461.5 | 183122.1 | S |
| 17.208 | 1.0027 | 0.0000 | 87.002 | 2.30428 | 0.00000 | 305948.3 | 63530.8 | 183122.1 | S |
| 17.217 | 1.0047 | 0.0000 | 87.000 | 2.28817 | 0.00000 | 305978.4 | 63599.7 | 183122.1 | S |
| 17.225 | 1.0064 | 0.0000 | 86.998 | 2.27238 | 0.00000 | 306008.5 | 63668.1 | 183122.1 | S |
| 17.233 | 1.0080 | 0.0000 | 86.996 | 2.25691 | 0.00000 | 306038.8 | 63736.0 | 183122.1 | S |
| 17.242 | 1.0094 | 0.0000 | 86.994 | 2.24175 | 0.00000 | 306069.0 | 63803.5 | 183122.1 | S |
| 17.250 | 1.0106 | 0.0000 | 86.992 | 2.22688 | 0.00000 | 306099.3 | 63870.6 | 183122.1 | S |
| 17.258 | 1.0117 | 0.0000 | 86.991 | 2.21229 | 0.00000 | 306129.7 | 63937.1 | 183122.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{Ht}^{3}$ ) | $\begin{aligned} & \text { Flow } \\ & \text { Type } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 17.267 | 1.0126 | 0.0000 | 86.989 | 2.19798 | 0.00000 | 306160.0 | 64003.3 | 183122.1 | S |
| 17.275 | 1.0135 | 0.0000 | 86.987 | 2.18394 | 0.00000 | 306190.4 | 64069.0 | 183122.1 | S |
| 17.283 | 1.0142 | 0.0000 | 86.985 | 2.17016 | 0.00000 | 306220.8 | 64134.3 | 183122.1 | S |
| 17.292 | 1.0149 | 0.0000 | 86.983 | 2.15663 | 0.00000 | 306251.3 | 64199.2 | 183122.1 | S |
| 17.300 | 1.0154 | 0.0000 | 86.982 | 2.14335 | 0.00000 | 306281.7 | 64263.7 | 183122.1 | S |
| 17.308 | 1.0160 | 0.0000 | 86.980 | 2.13030 | 0.00000 | 306312.2 | 64327.8 | 183122.1 | S |
| 17.317 | 1.0164 | 0.0000 | 86.978 | 2.11749 | 0.00000 | 306342.7 | 64391.5 | 183122.1 | S |
| 17.325 | 1.0168 | 0.0000 | 86.976 | 2.10489 | 0.00000 | 306373.2 | 64454.9 | 183122.1 | S |
| 17.333 | 1.0172 | 0.0000 | 86.975 | 2.09252 | 0.00000 | 306403.7 | 64517.8 | 183122.1 | S |
| 17.342 | 1.0175 | 0.0000 | 86.973 | 2.08036 | 0.00000 | 306434.2 | 64580.4 | 183122.1 | S |
| 17.350 | 1.0178 | 0.0000 | 86.971 | 2.06840 | 0.00000 | 306464.7 | 64642.7 | 183122.1 | S |
| 17.358 | 1.0180 | 0.0000 | 86.970 | 2.05665 | 0.00000 | 306495.3 | 64704.5 | 183122.1 | S |
| 17.367 | 1.0182 | 0.0000 | 86.968 | 2.04509 | 0.00000 | 306525.8 | 64766.1 | 183122.1 | S |
| 17.375 | 1.0184 | 0.0000 | 86.967 | 2.03372 | 0.00000 | 306556.3 | 64827.2 | 183122.1 | S |
| 17.383 | 1.0186 | 0.0000 | 86.965 | 2.02253 | 0.00000 | 306586.9 | 64888.1 | 183122.3 | S |
| 17.392 | 1.0187 | 0.0000 | 86.964 | 2.01153 | 0.00000 | 306617.5 | 64948.6 | 183122.1 | S |
| 17.400 | 1.0189 | 0.0000 | 86.962 | 2.00070 | 0.00000 | 306648.0 | 65008.8 | 183122.1 | S |
| 17.408 | 1.0190 | 0.0000 | 86.961 | 1.99004 | 0.00000 | 306678.6 | 65068.6 | 183122.1 | S |
| 17.417 | 1.0191 | 0.0000 | 86.959 | 1.97954 | 0.00000 | 306709.2 | 65128.2 | 183122.1 | S |
| 17.425 | 1.0192 | 0.0000 | 86.958 | 1.96921 | 0.00000 | 306739.8 | 65187.4 | 183122.1 | S |
| 17.433 | 1.0193 | 0.0000 | 86.956 | 1.95904 | 0.00000 | 306770.3 | 65246.3 | 183122.1 | S |
| 17.442 | 1.0194 | 0.0000 | 86.955 | 1.94902 | 0.00000 | 306800.9 | 65304.9 | 183122.1 | S |
| 17.450 | 1.0194 | 0.0000 | 86.953 | 1.93916 | 0.00000 | 306831.5 | 65363.3 | 183122.1 | S |
| 17.458 | 1.0195 | 0.0000 | 86.952 | 1.92944 | 0.00000 | 306862.1 | 65421.3 | 183122.1 | S |
| 17.467 | 1.0195 | 0.0000 | 86.950 | 1.91986 | 0.00000 | 306892.7 | 65479.0 | 183122.1 | S |
| 17.475 | 1.0196 | 0.0000 | 86.949 | 1.91042 | 0.00000 | 306923.3 | 65536.5 | 183122.1 | S |
| 17.483 | 1.0196 | 0.0000 | 86.948 | 1.90112 | 0.00000 | 306953.8 | 65593.7 | 183122.1 | S |
| 17.492 | 1.0197 | 0.0000 | 86.946 | 1.89196 | 0.00000 | 306984.4 | 65650.6 | 183122.1 | 5 |
| 17.500 | 1.0196 | 0.0000 | 86.945 | 1.88292 | 0.00000 | 307015.0 | 65707.2 | 183122.1 | S |
| 17.508 | 1.0192 | 0.0000 | 86.944 | 1.87401 | 0.00000 | 307045.6 | 65763.5 | 183122.1 | S |
| 17.517 | 1.0183 | 0.0000 | 86.942 | 1.86522 | 0.00000 | 307076.2 | 65819.6 | 183122.1 | S |
| 17.525 | 1.0169 | 0.0000 | 86.941 | 1.85655 | 0.00000 | 307106.7 | 65875.4 | 183122.1 | S |
| 17.533 | 1.0147 | 0.0000 | 86.940 | 1.84799 | 0.00000 | 307137.2 | 65931.0 | 183122.1 | S |
| 17.542 | 1.0115 | 0.0000 | 86.938 | 1.83954 | 0.00000 | 307167.6 | 65986.3 | 183122.1 | 5 |
| 17.550 | 1.0072 | 0.0000 | 86.937 | 1.83119 | 0.00000 | 307197.8 | 66041.4 | 183122.1 | S |
| 17.558 | 1.0016 | 0.0000 | 86.936 | 1.82293 | 0.00000 | 307228.0 | 66096.2 | 183122.1 | S |
| 17.567 | 0.9947 | 0.0000 | 86.934 | 1.81476 | 0.00000 | 307257.9 | 66150.8 | 183122.1 | S |
| 17.575 | 0.9869 | 0.0000 | 86.933 | 1.80668 | 0.00000 | 307287.6 | 66205.1 | 183122.1 | S |
| 17.583 | 0.9782 | 0.0000 | 86.932 | 1.79868 | 0.00000 | 307317.1 | 66259.2 | 183122.1 | S |
| 17.592 | 0.9690 | 0.0000 | 86.931 | 1.79076 | 0.00000 | 307346.3 | 66313.0 | 183122.1 | S |
| 17.600 | 0.9595 | 0.0000 | 86.929 | 1.78292 | 0.00000 | 307375.3 | 66366.6 | \{83122.1 | S |
| 17.608 | 0.9500 | 0.0000 | 86.928 | 1.77516 | 0.00000 | 307403.9 | 66420.0 | 183122.1 | S |
| 17.617 | 0.9406 | 0.0000 | 86.927 | 1.76748 | 0.00000 | 307432.3 | 66473.1 | 183122.1 | S |
| 17.625 | 0.9315 | 0.0000 | 86.925 | 1.75987 | 0.00000 | 307460.3 | 66526.0 | 183122.1 | S |
| 17.633 | 0.9228 | 0.0000 | 86.924 | 1.75235 | 0.00000 | 307488.1 | 66578.7 | 183122.1 | S |
| 17.642 | 0.9147 | 0.0000 | 86.923 | 1.74491 | 0.00000 | 307515.7 | 66631.2 | 183122.1 | S |
| 17.650 | 0.9072 | 0.0000 | 86.922 | 1.73754 | 0.00000 | 307543.0 | 66683.4 | 183122.1 | S |
| 17.658 | 0.9003 | 0.0000 | 86.920 | 1.73026 | 0.00000 | 307570.2 | 66735.4 | 183122.1 | S |
| 17.667 | 0.8942 | 0.0000 | 86.919 | 1.72306 | 0.00000 | 307597.1 | 66787.2 | 183122.1 | S |
| 17.675 | 0.8890 | 0.0000 | 86.918 | 1.71595 | 0.00000 | 307623.8 | 66838.8 | 183122.1 | S |
| 17.683 | 0.8844 | 0.0000 | 86.916 | 1.70892 | 0.00000 | 307650.4 | 66890.2 | 183122.1 | S |
| 17.692 | 0.8804 | 0.0000 | 86.915 | 1.70197 | 0.00000 | 307676.9 | 66941.3 | 183122.1 | S |
| 17.700 | 0.8769 | 0.0000 | 86.914 | 1.69511 | 0.00000 | 307703.3 | 66992.3 | 183122.1 | S |
| 17.708 | 0.8738 | 0.0000 | 86.913 | 1.68832 | 0.00000 | 307729.5 | 67043.0 | 183122.1 | S |
| 17.717 | 0.8711 | 0.0000 | 86.911 | 1.68162 | 0.00000 | 307755.7 | 67093.6 | 183122.1 | S |
| 17.725 | 0.8686 | 0.0000 | 86.910 | 1.67500 | 0.00000 | 307781.8 | 67143.9 | 183122.1 | S |
| 17.733 | 0.8664 | 0.0000 | 86.909 | 1.66846 | 0.00000 | 307807.8 | 67194.1 | 183122.1 | S |
| 17.742 | 0.8644 | 0.0000 | 86.908 | 1.66199 | 0.00000 | 307833.8 | 67244.1 | 183122.1 | S |
| 17.750 | 0.8627 | 0.0000 | 86.906 | 1.65560 | 0.00000 | 307859.7 | 67293.8 | 183122.1 | S |
| 17.758 | 0.8612 | 0.0000 | 86.905 | 1.64929 | 0.00000 | 307885.5 | 67343.4 | 183122.1 | 5 |
| 17.767 | 0.8599 | 0.0000 | 86.904 | 1.64304 | 0.00000 | 307911.3 | 67392.8 | 183122.1 | S |
| 17.775 | 0.8587 | 0.0000 | 86.903 | 1.63687 | 0.00000 | 307937.1 | 67442.0 | 183122.1 | S |
| 17.783 | 0.8576 | 0.0000 | 86.901 | 1.63077 | 0.00000 | 307962.9 | 67491.0 | 183122.1 | S |
| 17.792 | 0.8567 | 0.0000 | 86.900 | 1.62474 | 0.00000 | 307988.6 | 67539.8 | 183122.1 | S |
| 17.800 | 0.8559 | 0.0000 | 86.899 | 1.61878 | 0.00000 | 308014.3 | 67588.5 | 183122.1 | S |
| 17.808 | 0.8551 | 0.0000 | 86.898 | 1.61288 | 0.00000 | 308039.9 | 67636.9 | 183122.1 | S |
| 17.817 | 0.8545 | 0.0000 | 86.897 | 1.60705 | 0.00000 | 308065.6 | 67685.2 | 183122.1 | S |
| 17.825 | 0.8539 | 0.0000 | 86.895 | 1.60128 | 0.00000 | 308091.2 | 67733.4 | 183122.1 | S |
| 17.833 | 0.8534 | 0.0000 | 86.894 | 1.59558 | 0.00000 | 308116.8 | 67781.3 | 183122.1 | S |
| 17.842 | 0.8530 | 0.0000 | 86.893 | \$.58994 | 0.00000 | 308142.4 | 67829.1 | 183122.1 | S |
| 17.850 | 0.8526 | 0.0000 | 86.892 | 1.58436 | 0.00000 | 308168.0 | 67876.7 | 183122.1 | S |
| 17.858 | 0.8522 | 0.0000 | 86.891 | 1.57883 | 0.00000 | 308193.6 | 67924.2 | 183122.1 | S |
| 17.867 | 0.8519 | 0.0000 | 86.890 | 1.57337 | 0.00000 | 308219.1 | 67971.4 | 183122.1 | S |
| 17.875 | 0.8516 | 0.0000 | 86.889 | 1.56797 | 0.00000 | 308244.7 | 68018.6 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/overflow

| Elapsed Time (hours) | Inflow Rate (f $\mathrm{f}^{3 / \mathrm{s}}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate $\left(\mathrm{f}^{3 / 3}\right.$ ) | Overflow Discharge ( $\mathrm{ft}^{3 /} \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume $\left(H^{3}\right)$ | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 17.883 | 0.8514 | 0.0000 | 86.887 | 1.56262 | 0.00000 | 308270.2 | 68065.5 | 183122.1 | S |
| 17.892 | 0.8512 | 0.0000 | 86.886 | 1.55732 | 0.00000 | 308295.8 | 68112.3 | 183122.1 | S |
| 17.900 | 0.8510 | 0.0000 | 86.885 | 1.55208 | 0.00000 | 308321.3 | 68159.0 | 183122.1 | S |
| 17.908 | 0.8508 | 0.0000 | 86.884 | 1.54690 | 0.00000 | 308346.8 | 68205.4 | 183122.1 | S |
| 17.917 | 0.8507 | 0.0000 | 86.883 | 1.54176 | 0.00000 | 308372.3 | 68251.8 | 183122.1 | S |
| 17.925 | 0.8505 | 0.0000 | 86.882 | 1.53668 | 0.00000 | 308397.9 | 68298.0 | 183122.1 | S |
| 17.933 | 0.8504 | 0.0000 | 86.881 | 1.53165 | 0.00000 | 308423.4 | 68344.0 | 183122.1 | S |
| 17.942 | 0.8503 | 0.0000 | 86.880 | 1.52667 | 0.00000 | 308448.9 | 68389.8 | 183122.1 | S |
| 17.950 | 0.8502 | 0.0000 | 86.879 | 1.52174 | 0.00000 | 308474.4 | 68435.6 | 183122.1 | S |
| 17.958 | 0.8501 | 0.0000 | 86.878 | 1.51686 | 0.00000 | 308499.9 | 68481.2 | \$83122.1 | S |
| 17.967 | 0.8501 | 0.0000 | 86.877 | 1.51202 | 0.00000 | 308525.4 | 68526.6 | 183122.1 | S |
| 17.975 | 0.8500 | 0.0000 | 86.876 | 1.50723 | 0.00000 | 308550.9 | 68571.9 | 183122.1 | S |
| 17.983 | 0.8499 | 0.0000 | 86.875 | 1.50249 | 0.00000 | 308576.4 | 68617.0 | 183122.1 | S |
| 17.992 | 0.8499 | 0.0000 | 86.874 | 1.49779 | 0.00000 | 308601.9 | 68662.0 | 183122.1 | S |
| 18.000 | 0.8498 | 0.0000 | 86.873 | 1.49314 | 0.00000 | 308627.4 | 68706.9 | 183122.1 | S |
| 18.008 | 0.8496 | 0.0000 | 86.872 | 1.48853 | 0.00000 | 308652.9 | 68751.6 | 183122.1 | S |
| 18.017 | 0.8489 | 0.0000 | 86.871 | 1.48396 | 0.00000 | 308678.4 | 68796.2 | 183122.1 | S |
| 18.025 | 0.8477 | 0.0000 | 86.870 | 1.47943 | 0.00000 | 308703.8 | 68840.7 | 183122.1 | S |
| 18.033 | 0.8459 | 0.0000 | 86.869 | 1.47494 | 0.00000 | 308729.2 | 68885.0 | 183122.1 | S |
| 18.042 | 0.8432 | 0.0000 | 86.868 | 1.47047 | 0.00000 | 308754.6 | 68929.1 | 183122.1 | S |
| 18.050 | 0.8395 | 0.0000 | 86.867 | 1.46604 | 0.00000 | 308779.8 | 68973.2 | 183122.1 | S |
| 18.058 | 0.8346 | 0.0000 | 86.866 | 1.46163 | 0.00000 | 308804.9 | 69017.1 | 183122.1 | S |
| 18.067 | 0.8283 | 0.0000 | 86.865 | 1.45724 | 0.00000 | 308829.8 | 69060.9 | 183122.1 | S |
| 18.075 | 0.8208 | 0.0000 | 86.864 | 1.45287 | 0.00000 | 308854.6 | 69104.5 | 183122.1 | S |
| 18.083 | 0.8125 | 0.0000 | 86.863 | 1.44852 | 0.00000 | 308879.1 | 69148.1 | 183122.1 | S |
| 18.092 | 0.8035 | 0.0000 | 86.862 | 1.44418 | 0.00000 | 308903.3 | 69191.5 | 183122.1 | S |
| 18.100 | 0.7940 | 0.0000 | 86.861 | 1.43986 | 0.00000 | 308927.3 | 69234.7 | 183122.1 | S |
| 18.108 | 0.7845 | 0.0000 | 86.860 | 1.43555 | 0.00000 | 308951.0 | 69277.8 | 183122.1 | S |
| 18.117 | 0.7750 | 0.0000 | 86.859 | 1.43126 | 0.00000 | 308974.4 | 69320.8 | 183122.1 | S |
| 18.125 | 0.7657 | 0.0000 | 86.857 | 1.42699 | 0.00000 | 308997.5 | 69363.7 | 183122.1 | S |
| 18.133 | 0.7568 | 0.0000 | 86.856 | 1.42274 | 0.00000 | 309020.3 | 69406.5 | 183122.1 | S |
| 18.142 | 0.7484 | 0.0000 | 86.855 | 1.41851 | 0.00000 | 309042.9 | 69449.1 | 183122.1 | S |
| 18.150 | 0.7406 | 0.0000 | 86.854 | 1.41431 | 0.00000 | 309065.2 | 69491.6 | 183122.1 | S |
| 18.158 | 0.7334 | 0.0000 | 86.853 | 1.41013 | 0.00000 | 309087.3 | 69533.9 | 183122.1 | S |
| 18.167 | 0.7269 | 0.0000 | 86.852 | 1.40599 | 0.00000 | 309109.3 | 69576.2 | 183122.1 | S |
| 18.175 | 0.7213 | 0.0000 | 86.851 | 1.40188 | 0.00000 | 309131.0 | 69618.3 | 183122.1 | S |
| 18.183 | 0.7164 | 0.0000 | 86.850 | 1.39780 | 0.00000 | 309152.5 | 69660.3 | 183122.1 | S |
| 18.192 | 0.7122 | 0.0000 | 86.849 | 1.39375 | 0.00000 | 309173.9 | 69702.2 | 183122.1 | S |
| 18.200 | 0.7084 | 0.0000 | 86.848 | 1.38974 | 0.00000 | 309195.3 | 69743.9 | 183122.1 | S |
| 18.208 | 0.7052 | 0.0000 | 86.847 | 1.38577 | 0.00000 | 309216.5 | 69785.6 | 183122.1 | S |
| 18.217 | 0.7022 | 0.0000 | 86.846 | 1.38183 | 0.00000 | 309237.6 | 69827.1 | 183122.1 | S |
| 18.225 | 0.6997 | 0.0000 | 86.845 | 1.37793 | 0.00000 | 309258.6 | 69868.5 | 183122.1 | S |
| 18.233 | 0.6973 | 0.0000 | 86.844 | 1.37406 | 0.00000 | 309279.6 | 69909.7 | 183122.1 | S |
| 18.242 | 0.6953 | 0.0000 | 86.843 | 1.37022 | 0.00000 | 309300.4 | 69950.9 | 183122.1 | S |
| 18.250 | 0.6934 | 0.0000 | 86.841 | 1.36642 | 0.00000 | 309321.3 | 69992.0 | 183122.1 | S |
| 18.258 | 0.6918 | 0.0000 | 86.840 | 1.36266 | 0.00000 | 309342.1 | 70032.9 | 183122.1 | S |
| 18.267 | 0.6904 | 0.0000 | 86.839 | 1.35892 | 0.00000 | 309362.8 | 70073.7 | 183122.1 | S |
| 18.275 | 0.6892 | 0.0000 | 86.838 | 1.35523 | 0.00000 | 309383.5 | 70114.4 | 183122.1 | S |
| 18.283 | 0.6880 | 0.0000 | 86.837 | 1.35156 | 0.00000 | 309404.2 | 70155.0 | 183122.1 | S |
| 18.292 | 0.6871 | 0.0000 | 86.836 | 1.34792 | 0.00000 | 309424.8 | 70195.5 | 183122.1 | S |
| 18.300 | 0.6862 | 0.0000 | 86.835 | 1.34432 | 0.00000 | 309445.4 | 70235.9 | 183122.1 | S |
| 18.308 | 0.6854 | 0.0000 | 86.834 | 1.34075 | 0.00000 | 309465.9 | 70276.2 | 183122.1 | S |
| 18.317 | 0.6847 | 0.0000 | 86.833 | 1.33724 | 0.00000 | 309486.5 | 70316.3 | 183122.1 | S |
| 18.325 | 0.6841 | 0.0000 | 86.832 | 1.33370 | 0.00000 | 309507.0 | 70356.4 | 183122.1 | S |
| 18.333 | 0.6836 | 0.0000 | 86.831 | 1.33021 | 0.00000 | 309527.5 | 70396.4 | 183122.1 | S |
| 18.342 | 0.6831 | 0.0000 | 86.830 | 1.32676 | 0.00000 | 309548.0 | 70436.2 | 183122.1 | S |
| 18.350 | 0.6827 | 0.0000 | 86.829 | 1.32334 | 0.00000 | 309568.5 | 70476.0 | 183122.1 | S |
| 18.358 | 0.6823 | 0.0000 | 86.828 | 1.31994 | 0.00000 | 309589.0 | 70515.6 | 183122.1 | S |
| 18.367 | 0.6820 | 0.0000 | 86.827 | 1.31657 | 0.00000 | 309609.5 | 70555.2 | 183122.1 | S |
| 18.375 | 0.6817 | 0.0000 | 86.826 | 1.31323 | 0.00000 | 309629.9 | 70594.6 | 183122.1 | S |
| 18.383 | 0.6815 | 0.0000 | 86.825 | 1.30991 | 0.00000 | 309650.4 | 70634.0 | 183122.1 | S |
| 18.392 | 0.6812 | 0.0000 | 86.824 | 1.30663 | 0.00000 | 309670.8 | 70673.2 | 183122.1 | S |
| 18.400 | 0.6810 | 0.0000 | 86.823 | 1.30336 | 0.00000 | 309691.3 | 70712.4 | 183122.1 | S |
| 18.408 | 0.6809 | 0.0000 | 86.822 | 1.30013 | 0.00000 | 309711.7 | 70751.4 | 183122.1 | S |
| 18.417 | 0.6807 | 0.0000 | 86.821 | 1.29691 | 0.00000 | 309732.1 | 70790.4 | 183122.1 | S |
| 18.425 | 0.6806 | 0.0000 | 86.820 | 1.29373 | 0.00000 | 309752.5 | 70829.2 | 183122.1 | S |
| 18.433 | 0.6804 | 0.0000 | 86.819 | 1.29056 | 0.00000 | 309772.9 | 70868.0 | 183122.1 | S |
| 18.442 | 0.6803 | 0.0000 | 86.818 | 1.28743 | 0.00000 | 309793.3 | 70906.7 | 183122.1 | S |
| 18.450 | 0.6802 | 0.0000 | 86.817 | 1.28431 | 0.00000 | 309813.8 | 70945.2 | 183122.1 | S |
| 18.458 | 0.6801 | 0.0000 | 86.816 | 1.28122 | 0.00000 | 309834.2 | 70983.7 | 183122.1 | S |
| 18.467 | 0.6801 | 0.0000 | 86.815 | 1.27815 | 0.00000 | 309854.6 | 71022.1 | 183122.1 | S |
| 18.475 | 0.6800 | 0.0000 | 86.814 | 1.27511 | 0.00000 | 309875.0 | 71060.4 | 183122.1 | S |
| 18.483 | 0.6799 | 0.0000 | 86.813 | 1.27208 | 0.00000 | 309895.4 | 71098.6 | 183122.1 | S |
| 18.492 | 0.6799 | 0.0000 | 86.812 | 1.26908 | 0.00000 | 309915.8 | 71436.7 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infilitration Rate (ft ${ }^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 18.500 | 0.6798 | 0.0000 | 86.811 | 1.26610 | 0.00000 | 309936.2 | 71174.8 | 183122.1 | S |
| 18.508 | 0.6799 | 0.0000 | 86.811 | 1.26315 | 0.00000 | 309956.5 | 71212.7 | 183122.1 | S |
| 18.517 | 0.6803 | 0.0000 | 86.810 | 1.26021 | 0.00000 | 309976.9 | 71250.6 | 183122.1 | S |
| 18.525 | 0.6812 | 0.0000 | 86.809 | 1.25730 | 0.00000 | 309997.4 | 71288.3 | 183122.1 | S |
| 18.533 | 0.6826 | 0.0000 | 86.808 | 1.25442 | 0.00000 | 310017.8 | 71326.0 | 183122.1 | S |
| 18.542 | 0.6849 | 0.0000 | 86.807 | 1.25157 | 0.00000 | 310038.3 | 71363.6 | 183122.1 | S |
| 18.550 | 0.6881 | 0.0000 | 86.806 | 1.24874 | 0.00000 | 310058.9 | 71401.1 | 183122.1 | S |
| 18.558 | 0.6925 | 0.0000 | 86.805 | 1.24595 | 0.00000 | 310079.7 | 71438.5 | 183122.1 | S |
| 18.567 | 0.6981 | 0.0000 | 86.804 | 1.24320 | 0.00000 | 310100.5 | 71475.8 | 183122.1 | S |
| 18.575 | 0.7050 | 0.0000 | 86.803 | 1.24048 | 0.00000 | 310121.6 | 71513.1 | 183122.1 | S |
| 18.583 | 0.7129 | 0.0000 | 86.803 | 1.23781 | 0.00000 | 310142.8 | 71550.3 | 183122.1 | S |
| 18.592 | 0.7216 | 0.0000 | 86.802 | 1.23518 | 0.00000 | 310164.3 | 71587.4 | 183122.1 | S |
| 18.600 | 0.7309 | 0.0000 | 86.801 | 1.23259 | 0.00000 | 310186.1 | 71624.4 | 183122.1 | S |
| 18.608 | 0.7403 | 0.0000 | 86.800 | 1.23004 | 0.00000 | 310208.2 | 71661.3 | 183122.1 | S |
| 18.617 | 0.7499 | 0.0000 | 86.799 | 1.22752 | 0.00000 | 310230.5 | 71698.2 | 183122.1 | S |
| 18.625 | 0.7593 | 0.0000 | 86.799 | 1.22505 | 0.00000 | 310253.2 | 71735.0 | 183122.1 | S |
| 18.633 | 0.7683 | 0.0000 | 86.798 | 1.22261 | 0.00000 | 310276.1 | 71771.7 | 183122.1 | S |
| 18.642 | 0.7770 | 0.0000 | 86.797 | 1.22019 | 0.00000 | 310299.3 | 71808.3 | 183122.1 | S |
| 18.650 | 0.7850 | 0.0000 | 86.796 | 1.21781 | 0.00000 | 310322.7 | 71844.9 | 183122.1 | S |
| 18.658 | 0.7926 | 0.0000 | 86.796 | 1.21545 | 0.00000 | 310346.4 | 71881.4 | 183122.1 | S |
| 18.667 | 0.7994 | 0.0000 | 86.795 | 1.21311 | 0.00000 | 310370.3 | 71917.8 | 183122.1 | S |
| 18.675 | 0.8054 | 0.0000 | 86.794 | 1.21079 | 0.00000 | 310394.3 | 71954.2 | 183122.1 | S |
| 18.683 | 0.8107 | 0.0000 | 86.794 | 1.20849 | 0.00000 | 310418.6 | 71990.5 | 183122.1 | S |
| 18.692 | 0.8152 | 0.0000 | 86.793 | 1.20620 | 0.00000 | 310442.9 | 72026.7 | 183122.1 | S |
| 18.700 | 0.8192 | 0.0000 | 86.793 | 1.20392 | 0.00000 | 310467.5 | 72062.8 | 183122.1 | S |
| 18.708 | 0.8227 | 0.0000 | 86.792 | 1.20166 | 0.00000 | 310492.1 | 72098.9 | 183122.1 | S |
| 18.717 | 0.8258 | 0.0000 | 86.791 | 1.19941 | 0.00000 | 310516.8 | 72135.0 | 183122.1 | S |
| 18.725 | 0.8285 | 0.0000 | 86.791 | 1.19717 | 0.00000 | 310541.6 | 72170.9 | 183122.1 | S |
| 18.733 | 0.8309 | 0.0000 | 86.790 | 1.19494 | 0.00000 | 310566.5 | 72206.8 | 183122.1 | S |
| 18.742 | 0.8331 | 0.0000 | 86.790 | 1.19272 | 0.00000 | 310591.5 | 72242.6 | 183122.1 | S |
| 18.750 | 0.8351 | 0.0000 | 86.789 | 1.19051 | 0.00000 | 310616.5 | 72278.3 | 183122.1 | S |
| 18.758 | 0.8368 | 0.0000 | 86.788 | 1.18831 | 0.00000 | 310641.6 | 72314.0 | 183122.1 | S |
| 18.767 | 0.8383 | 0.0000 | 86.788 | 1.18611 | 0.00000 | 310666.7 | 72349.6 | 183122.1 | S |
| 18.775 | 0.8396 | 0.0000 | 86.787 | 1.18393 | 0.00000 | 310691.9 | 72385.2 | 183122.1 | S |
| 18.783 | 0.8408 | 0.0000 | 86.787 | 1.18176 | 0.00000 | 310717.1 | 72420.7 | 183122.1 | S |
| 18.792 | 0.8419 | 0.0000 | 86.786 | 1.17960 | 0.00000 | 310742.3 | 72456.1 | 183122.1 | S |
| 18.800 | 0.8428 | 0.0000 | 86.786 | 1.17745 | 0.00000 | 310767.6 | 72491.5 | 183122.1 | S |
| 18.808 | 0.8436 | 0.0000 | 86.785 | 1.17531 | 0.00000 | 310792.9 | 72526.7 | 183122.1 | S |
| 18.817 | 0.8443 | 0.0000 | 86.785 | 1.17317 | 0.00000 | 310818.2 | 72562.0 | 183122.1 | S |
| 18.825 | 0.8450 | 0.0000 | 86.784 | 1.17105 | 0.00000 | 310843.6 | 72597.4 | 183122.1 | S |
| 18.833 | 0.8456 | 0.0000 | 86.784 | 1.16894 | 0.00000 | 310868.9 | 72632.2 | 183122.1 | S |
| 18.842 | 0.8460 | 0.0000 | 86.783 | 1.16683 | 0.00000 | 310894.3 | 72667.3 | 183122.1 | S |
| 18.850 | 0.8465 | 0.0000 | 86.783 | 1.16474 | 0.00000 | 310919.7 | 72702.2 | 183122.1 | S |
| 18.858 | 0.8469 | 0.0000 | 86.782 | 1.16266 | 0.00000 | 310945.1 | 72737.2 | 183122.1 | S |
| 18.867 | 0.8472 | 0.0000 | 86.782 | 1.16058 | 0.00000 | 310970.5 | 72772.0 | 183122.1 | S |
| 18.875 | 0.8475 | 0.0000 | 86.781 | 1.15852 | 0.00000 | 310995.9 | 72806.8 | 183122.1 | S |
| 18.883 | 0.8478 | 0.0000 | 86.781 | 1.15646 | 0.00000 | 311021.3 | 72841.5 | 183122.1 | S |
| 18.892 | 0.8481 | 0.0000 | 86.780 | 1.15442 | 0.00000 | 311046.8 | 72876.2 | 183122.1 | S |
| 18.900 | 0.8483 | 0.0000 | 86.780 | 1.15239 | 0.00000 | 311072.2 | 72910.8 | 183122.1 | S |
| 18.908 | 0.8485 | 0.0000 | 86.779 | \$.15036 | 0.00000 | 311097.7 | 72945.3 | 183122.1 | S |
| 18.917 | 0.8486 | 0.0000 | 86.779 | 1.14835 | 0.00000 | 311123.1 | 72979.8 | 183122.1 | S |
| 18.925 | 0.8488 | 0.0000 | 86.778 | 1.14635 | 0.00000 | 311148.6 | 73014.2 | 183122.1 | S |
| 18.933 | 0.8489 | 0.0000 | 86.778 | 1.14435 | 0.00000 | 311174.1 | 73048.6 | 183122.1 | S |
| 18.942 | 0.8490 | 0.0000 | 86.777 | 1.14237 | 0.00000 | 311199.5 | 73082.9 | 183122.1 | S |
| 18.950 | 0.8491 | 0.0000 | 86.777 | 1.14040 | 0.00000 | 311225.0 | 73117.1 | 183122.1 | S |
| 18.958 | 0.8492 | 0.0000 | 86.776 | 1.13843 | 0.00000 | 311250.5 | 73151.3 | 183122.1 | S |
| 18.967 | 0.8493 | 0.0000 | 86.776 | 1.13648 | 0.00000 | 311275.9 | 73185.4 | 183122.1 | S |
| 18.975 | 0.8494 | 0.0000 | 86.775 | 1.13453 | 0.00000 | 311301.4 | 73219.5 | 183122.1 | S |
| 18.983 | 0.8495 | 0.0000 | 86.775 | 1.13260 | 0.00000 | 311326.9 | 73253.5 | 183122.1 | S |
| 18.992 | 0.8495 | 0.0000 | 86.774 | 1.13068 | 0.00000 | 311352.4 | 73287.5 | 183122.1 | S |
| 19.000 | 0.8496 | 0.0000 | 86.774 | 1.12876 | 0.00000 | 311377.9 | 73321.3 | 183122.1 | S |
| 19.008 | 0.8496 | 0.0000 | 86.774 | 1.12686 | 0.00000 | 311403.4 | 73355.2 | 183122.1 | S |
| 19.017 | 0.8492 | 0.0000 | 86.773 | 1.12496 | 0.00000 | 311428.8 | 73389.0 | 183122.1 | S |
| 19.025 | 0.8479 | 0.0000 | 86.773 | 1.12307 | 0.00000 | 311454.3 | 73422.7 | 183122.1 | S |
| 19.033 | 0.8456 | 0.0000 | 86.772 | 1.12117 | 0.00000 | 311479.7 | 73456.3 | 183122.1 | S |
| 19.042 | 0.8419 | 0.0000 | 86.772 | 1.11928 | 0.00000 | 311505.0 | 73489.9 | 183122.1 | S |
| 19.050 | 0.8365 | 0.0000 | 86.771 | 1.11737 | 0.00000 | 311530.2 | 73523.5 | 183122.1 | S |
| 19.058 | 0.8289 | 0.0000 | 86.771 | 1.11546 | 0.00000 | 311555.2 | 73557.0 | 183122.1 | S |
| 19.067 | 0.8189 | 0.0000 | 86.770 | 1.11352 | 0.00000 | 311579.9 | 73590.4 | 183122.1 | S |
| 19.075 | 0.8062 | 0.0000 | 86.770 | 1.11155 | 0.00000 | 311604.3 | 73623.8 | 183122.1 | S |
| 19.083 | 0.7913 | 0.0000 | 86.769 | 1.10954 | 0.00000 | 311628.3 | 73657.1 | 183122.1 | S |
| 19.092 | 0.7745 | 0.0000 | 86.769 | 1.10751 | 0.00000 | 311651.7 | 73690.4 | 183122.1 | S |
| 19.100 | 0.7565 | 0.0000 | 86.768 | 1.10543 | 0.00000 | 311674.7 | 73723.6 | 183122.1 | S |
| 19.108 | 0.7376 | 0.0000 | 86.768 | 1.10332 | 0.00000 | 311697.1 | 73756.7 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario $1::$ pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed <br> Time | Inflow <br> Rate | Rutside <br> Recharge | Elevation | Infiltration | Rate | Overflow <br> (hischarge | Cumulative <br> Inflow | Cumulative <br> Infiltration | Cumulative |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Discharge |  |  |  |  |  |  |  |  |  | Flow

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.

Detailed Results (cont, d.) :: Scenario $1::$ pond10 100 yr $/ 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | Inflow Rate <br> ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 19.733 | 0.6885 | 0.0000 | 86.712 | 0.97261 | 0.00000 | 312970.3 | 76075.3 | 183122.1 | S |
| 19.742 | 0.6914 | 0.0000 | 86.711 | 0.97146 | 0.00000 | 312991.0 | 76104.4 | 183122.1 | S |
| 19.750 | 0.6940 | 0.0000 | 86.711 | 0.97031 | 0.00000 | 313011.8 | 76133.5 | 183122.1 | S |
| 19.758 | 0.6964 | 0.0000 | 86.710 | 0.96916 | 0.00000 | 313032.6 | 76162.6 | 183122.1 | S |
| 19.767 | 0.6984 | 0.0000 | 86.710 | 0.96801 | 0.00000 | 313053.5 | 76191.7 | 183122.1 | S |
| 19.775 | 0.7002 | 0.0000 | 86.710 | 0.96687 | 0.00000 | 313074.5 | 76220.7 | 183122.1 | S |
| 19.783 | 0.7018 | 0.0000 | 86.709 | 0.96572 | 0.00000 | 313095.5 | 76249.7 | 183122.1 | S |
| 19.792 | 0.7032 | 0.0000 | 86.709 | 0.96457 | 0.00000 | 313116.6 | 76278.7 | 183122.1 | S |
| 19.800 | 0.7045 | 0.0000 | 86.708 | 0.96343 | 0.00000 | 313137.7 | 76307.6 | 183122.1 | S |
| 19.808 | 0.7056 | 0.0000 | 86.708 | 0.96228 | 0.00000 | 313158.9 | 76336.5 | 183122.1 | S |
| 19.817 | 0.7066 | 0.0000 | 86.708 | 0.96113 | 0.00000 | 313180.1 | 76365.3 | 183122.1 | S |
| 19.825 | 0.7074 | 0.0000 | 86.707 | 0.95999 | 0.00000 | 313201.3 | 76394.1 | 183122.1 | S |
| 19.833 | 0.7082 | 0.0000 | 86.707 | 0.95885 | 0.00000 | 313222.5 | 76422.9 | 183122.1 | S |
| 19.842 | 0.7089 | 0.0000 | 86.706 | 0.95770 | 0.00000 | 313243.8 | 76451.7 | 183122.1 | S |
| 19.850 | 0.7095 | 0.0000 | 86.706 | 0.95656 | 0.00000 | 313265.0 | 76480.4 | 183122.1 | S |
| 19.858 | 0.7100 | 0.0000 | 86.706 | 0.95542 | 0.00000 | 313286.3 | 76509.1 | 183122.1 | S |
| 19.867 | 0.7105 | 0.0000 | 86.705 | 0.95428 | 0.00000 | 313307.6 | 76537.7 | 183122.1 | S |
| 19.875 | 0.7109 | 0.0000 | 86.705 | 0.95315 | 0.00000 | 313329.0 | 76566.3 | 183122.1 | S |
| 19.883 | 0.7112 | 0.0000 | 86.704 | 0.95201 | 0.00000 | 313350.3 | 76594.9 | 183122.1 | S |
| 19.892 | 0.7116 | 0.0000 | 86.704 | 0.95088 | 0.00000 | 313371.6 | 76623.4 | 183122.1 | S |
| 19.900 | 0.7119 | 0.0000 | 86.704 | 0.94975 | 0.00000 | 313393.0 | 76651.9 | 183122.1 | S |
| 19.908 | 0.7121 | 0.0000 | 86.703 | 0.94862 | 0.00000 | 313414.3 | 76680.4 | 183122.1 | S |
| 19.917 | 0.7123 | 0.0000 | 86.703 | 0.94750 | 0.00000 | 313435.7 | 76708.9 | 183122.1 | S |
| 19.925 | 0.7125 | 0.0000 | 86.702 | 0.94637 | 0.00000 | 313457.1 | 76737.3 | 183122.1 | S |
| 19.933 | 0.7127 | 0.0000 | 86.702 | 0.94525 | 0.00000 | 313478.5 | 76765.6 | 183122.1 | S |
| 19.942 | 0.7129 | 0.0000 | 86.702 | 0.94414 | 0.00000 | 313499.8 | 76794.0 | 183122.1 | S |
| 19.950 | 0.7130 | 0.0000 | 86.701 | 0.94302 | 0.00000 | 313521.2 | 76822.3 | 183122.1 | S |
| 19.958 | 0.7131 | 0.0000 | 86.701 | 0.94191 | 0.00000 | 313542.6 | 76850.6 | 183122.1 | S |
| 19.967 | 0.7133 | 0.0000 | 86.701 | 0.94080 | 0.00000 | 313564.0 | 76878.8 | 183122.1 | S |
| 19.975 | 0.7134 | 0.0000 | 86.700 | 0.93969 | 0.00000 | 313585.4 | 76907.0 | 183122.1 | S |
| 19.983 | 0.7134 | 0.0000 | 86.700 | 0.93859 | 0.00000 | 313606.8 | 76935.2 | 183122.1 | S |
| 19.992 | 0.7135 | 0.0000 | 86.699 | 0.93749 | 0.00000 | 313628.2 | 76963.3 | 183122.1 | S |
| 20.000 | 0.7131 | 0.0000 | 86.699 | 0.93639 | 0.00000 | 313649.6 | 76991.4 | 183122.1 | S |
| 20.008 | 0.7119 | 0.0000 | 86.699 | 0.93529 | 0.00000 | 313671.0 | 77019.5 | 183122.1 | S |
| 20.017 | 0.7094 | 0.0000 | 86.698 | 0.93418 | 0.00000 | 313692.3 | 77047.6 | 183122.1 | S |
| 20.025 | 0.7055 | 0.0000 | 86.698 | 0.93306 | 0.00000 | 313713.6 | 77075.6 | 183122.1 | S |
| 20.033 | 0.6998 | 0.0000 | 86.698 | 0.93193 | 0.00000 | 313734.6 | 77103.5 | 183122.1 | S |
| 20.042 | 0.6917 | 0.0000 | 86.697 | 0.93077 | 0.00000 | 313755.5 | 77131.5 | 183122.1 | S |
| 20.050 | 0.6810 | 0.0000 | 86.697 | 0.92958 | 0.00000 | 313776.1 | 77159.4 | 183122.1 | S |
| 20.058 | 0.6672 | 0.0000 | 86.696 | 0.92836 | 0.00000 | 313796.3 | 77187.3 | 183122.1 | S |
| 20.067 | 0.6510 | 0.0000 | 86.696 | 0.92709 | 0.00000 | 313816.1 | 77215.1 | 183122.1 | S |
| 20.075 | 0.6327 | 0.0000 | 86.696 | 0.92577 | 0.00000 | 313835.3 | 77242.9 | 183122.1 | S |
| 20.083 | 0.6129 | 0.0000 | 86.695 | 0.92441 | 0.00000 | 313854.0 | 77270.6 | 183122.1 | S |
| 20.092 | 0.5922 | 0.0000 | 86.695 | 0.92300 | 0.00000 | 313872.1 | 77298.3 | 183122.1 | S |
| 20.100 | 0.5712 | 0.0000 | 86.694 | 0.92155 | 0.00000 | 313889.6 | 77326.0 | 183122.1 | S |
| 20.108 | 0.5503 | 0.0000 | 86.693 | 0.92005 | 0.00000 | 313906.4 | 77353.6 | 183122.1 | S |
| 20.117 | 0.5299 | 0.0000 | 86.693 | 0.91853 | 0.00000 | 313922.6 | 77381.2 | 183122.1 | S |
| 20.125 | 0.5103 | 0.0000 | 86.692 | 0.91698 | 0.00000 | 313938.2 | 77408.7 | \$83122.1 | S |
| 20.133 | 0.4918 | 0.0000 | 86.691 | 0.91540 | 0.00000 | 313953.2 | 77436.2 | 183122.1 | S |
| 20.142 | 0.4746 | 0.0000 | 86.691 | 0.91381 | 0.00000 | 313967.7 | 77463.7 | 183122.1 | S |
| 20.150 | 0.4587 | 0.0000 | 86.690 | 0.91221 | 0.00000 | 313981.7 | 77491.1 | 183122.1 | S |
| 20.158 | 0.4443 | 0.0000 | 86.689 | 0.91060 | 0.00000 | 313995.3 | 77518.4 | 183122.1 | S |
| 20.167 | 0.4319 | 0.0000 | 86.689 | 0.90900 | 0.00000 | 314008.4 | 77545.7 | 183122.1 | S |
| 20.175 | 0.4211 | 0.0000 | 86.688 | 0.90740 | 0.00000 | 314021.2 | 77572.9 | 183122.1 | S |
| 20.183 | 0.4118 | 0.0000 | 86.687 | 0.90581 | 0.00000 | 314033.7 | 77600.1 | 183122.1 | S |
| 20.192 | 0.4035 | 0.0000 | 86.686 | 0.90424 | 0.00000 | 314045.9 | 77627.3 | 183122.1 | S |
| 20.200 | 0.3963 | 0.0000 | 86.685 | 0.90268 | 0.00000 | 314057.9 | 77654.4 | 183122.1 | S |
| 20.208 | 0.3898 | 0.0000 | 86.685 | 0.90113 | 0.00000 | 314069.7 | 77681.5 | 183122.1 | S |
| 20.217 | 0.3841 | 0.0000 | 86.684 | 0.89960 | 0.00000 | 314081.3 | 77708.5 | 183122.1 | S |
| 20.225 | 0.3790 | 0.0000 | 86.683 | 0.89808 | 0.00000 | 314092.8 | 77735.4 | 183122.1 | S |
| 20.233 | 0.3744 | 0.0000 | 86.682 | 0.89658 | 0.00000 | 314104.1 | 77762.3 | 183122.1 | S |
| 20.242 | 0.3704 | 0.0000 | 86.681 | 0.89510 | 0.00000 | 314115.2 | 77789.2 | 183122.1 | S |
| 20.250 | 0.3668 | 0.0000 | 86.680 | 0.89363 | 0.00000 | 314726.3 | 77816.1 | 183122.1 | S |
| 20.258 | 0.3637 | 0.0000 | 86.679 | 0.89217 | 0.00000 | 314137.3 | 77842.8 | \$83122.1 | S |
| 20.267 | 0.3609 | 0.0000 | 86.679 | 0.89073 | 0.00000 | 314148.1 | 77869.6 | 183122.1 | S |
| 20.275 | 0.3584 | 0.0000 | 86.678 | 0.88931 | 0.00000 | 314158.9 | 77896.3 | 183122.1 | S |
| 20.283 | 0.3563 | 0.0000 | 86.677 | 0.88790 | 0.00000 | 314169.6 | 77922.9 | 183122.1 | S |
| 20.292 | 0.3543 | 0.0000 | 86.676 | 0,88650 | 0.00000 | 314180.3 | 77949.6 | 183122.1 | S |
| 20.300 | 0.3526 | 0.0000 | 86.675 | 0.88512 | 0.00000 | 314190.9 | 77976.1 | 183122.1 | S |
| 20.308 | 0.3511 | 0.0000 | 86.674 | 0.88375 | 0.00000 | 314201.4 | 78002.7 | 183122.1 | S |
| 20.317 | 0.3498 | 0.0000 | 86.673 | 0.88239 | 0.00000 | 314211.9 | 78029.2 | 183122.1 | S |
| 20.325 | 0.3486 | 0.0000 | 86.673 | 0.88104 | 0.00000 | 314222.4 | 78055.6 | 183122.1 | S |
| 20.333 | 0.3476 | 0.0000 | 86.672 | 0.87971 | 0.00000 | 314232.9 | 78082.0 | 183122.1 | S |
| 20.342 | 0.3466 | 0.0000 | 86.671 | 0.87839 | 0.00000 | 314243.3 | 78108.4 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (tidday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / 3}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{t}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ff}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 20.350 | 0.3458 | 0.0000 | 86.670 | 0.87708 | 0.00000 | 314253.7 | 78134.7 | 183122.1 | S |
| 20.358 | 0.3451 | 0.0000 | 86.669 | 0.87578 | 0.00000 | 314264.0 | 78161.0 | 183122.1 | S |
| 20.367 | 0.3445 | 0.0000 | 86.668 | 0.87449 | 0.00000 | 314274.4 | 78187.3 | 183122.1 | S |
| 20.375 | 0.3439 | 0.0000 | 86.667 | 0.87321 | 0.00000 | 314284.7 | 78213.5 | 183122.1 | S |
| 20.383 | 0.3434 | 0.0000 | 86.666 | 0.87194 | 0.00000 | 314295.0 | 78239.7 | 183122.1 | S |
| 20.392 | 0.3429 | 0.0000 | 86.666 | 0.87068 | 0.00000 | 314305.3 | 78265.8 | 183122.4 | S |
| 20.400 | 0.3425 | 0.0000 | 86.665 | 0.86943 | 0.00000 | 314315.6 | 78291.9 | 183122.1 | S |
| 20.408 | 0.3422 | 0.0000 | 86.664 | 0.86819 | 0.00000 | 314325.8 | 78318.0 | 183122.1 | S |
| 20.417 | 0.3419 | 0.0000 | 86.663 | 0.86695 | 0.00000 | 314336.1 | 78344.0 | 183122.1 | S |
| 20.425 | 0.3416 | 0.0000 | 86.662 | 0.86573 | 0.00000 | 314346.4 | 78370.0 | 183122.1 | S |
| 20.433 | 0.3414 | 0.0000 | 86.661 | 0.86451 | 0.00000 | 314356.6 | 78385.9 | 183122.1 | S |
| 20.442 | 0.3412 | 0.0000 | 86.661 | 0.86330 | 0.00000 | 314366.8 | 78421.9 | 183122.1 | S |
| 20.450 | 0.3410 | 0.0000 | 86.660 | 0.86210 | 0.00000 | 314377.1 | 78447.7 | 183122.1 | S |
| 20.458 | 0.3408 | 0.0000 | 86.659 | 0.86091 | 0.00000 | 314387.3 | 78473.6 | 183122.1 | S |
| 20.467 | 0.3406 | 0.0000 | 86.658 | 0.85972 | 0.00000 | 314397.5 | 78499.4 | 183122.1 | S |
| 20.475 | 0.3405 | 0.0000 | 86.657 | 0.85854 | 0.00000 | 314407.8 | 78525.2 | 183122.1 | S |
| 20.483 | 0.3403 | 0.0000 | 86.656 | 0.85737 | 0.00000 | 314418.0 | 78550.9 | 183122.1 | S |
| 20.492 | 0.3402 | 0.0000 | 86.655 | 0.85620 | 0.00000 | 314428.2 | 78576.6 | 183122.1 | S |
| 20.500 | 0.3402 | 0.0000 | 86.655 | 0.85505 | 0.00000 | 314438.4 | 78602.3 | 183122.1 | S |
| 20.508 | 0.3406 | 0.0000 | 86.654 | 0.85390 | 0.00000 | 314448.6 | 78627.9 | 183122.1 | S |
| 20.517 | 0.3414 | 0.0000 | 86.653 | 0.85275 | 0.00000 | 314458.8 | 78653.5 | 183122.1 | S |
| 20.525 | 0.3428 | 0.0000 | 86.652 | 0.85163 | 0.00000 | 314469.1 | 78679.1 | 183122.1 | S |
| 20.533 | 0.3450 | 0.0000 | 86.651 | 0.85051 | 0.00000 | 314479.4 | 78704.6 | ¢83122.1 | S |
| 20.542 | 0.3482 | 0.0000 | 86.650 | 0.84941 | 0.00000 | 314489.8 | 78730.1 | 183122.1 | S |
| 20.550 | 0.3525 | 0.0000 | 86.650 | 0.84833 | 0.00000 | 314500.3 | 78755.6 | 183122.1 | S |
| 20.558 | 0.3581 | 0.0000 | 86.649 | 0.84728 | 0.00000 | 314511.0 | 78781.0 | 183122.1 | S |
| 20.567 | 0.3649 | 0.0000 | 86.648 | 0.84625 | 0.00000 | 314521.8 | 78806.4 | 183122.1 | S |
| 20.575 | 0.3728 | 0.0000 | 86.647 | 0.84525 | 0.00000 | 314532.9 | 78831.8 | 183122.1 | S |
| 20.583 | 0.3815 | 0.0000 | 86.646 | 0.84427 | 0.00000 | 314544.2 | 78857.1 | 183122.1 | S |
| 20.592 | 0.3907 | 0.0000 | 86.646 | 0.84333 | 0.00000 | 314555.8 | 78882.4 | 183122.1 | S |
| 20.600 | 0.4002 | 0.0000 | 86.645 | 0.84241 | 0.00000 | 314567.6 | 78907.7 | 183122.1 | S |
| 20.608 | 0.4097 | 0.0000 | 86.644 | 0.84152 | 0.00000 | 314579.8 | 78933.0 | 183122.1 | S |
| 20.617 | 0.4191 | 0.0000 | 86.644 | 0.84065 | 0.00000 | 314592.2 | 78958.2 | 183122.1 | S |
| 20.625 | 0.4281 | 0.0000 | 86.643 | 0.83980 | 0.00000 | 314604.9 | 78983.4 | 183122.1 | S |
| 20.633 | 0.4368 | 0.0000 | 86.642 | 0.83897 | 0.00000 | 314617.9 | 79008.6 | 183122.1 | S |
| 20.642 | 0.4449 | 0.0000 | 86.642 | 0.83815 | 0.00000 | 314631.1 | 79033.8 | \$83122.1 | S |
| 20.650 | 0.4524 | 0.0000 | 86.641 | 0.83735 | 0.00000 | 314644.6 | 79058.9 | 183122.1 | S |
| 20.658 | 0.4593 | 0.0000 | 86.640 | 0.83656 | 0.00000 | 314658.3 | 79084.0 | 183122.1 | S |
| 20.667 | 0.4653 | 0.0000 | 86.640 | 0.83577 | 0.00000 | 314672.1 | 79109.1 | 183122.1 | S |
| 20.675 | 0.4706 | 0.0000 | 86.639 | 0.83499 | 0.00000 | 314686.2 | 79134.1 | 183122.1 | S |
| 20.683 | 0.4751 | 0.0000 | 86.639 | 0.83421 | 0.00000 | 314700.3 | 79159.2 | 183122.1 | S |
| 20.692 | 0.4791 | 0.0000 | 86.638 | 0.83343 | 0.00000 | 314714.7 | 79184.2 | 183122.1 | S |
| 20.700 | 0.4826 | 0.0000 | 86.637 | 0.83265 | 0.00000 | 314729.1 | 79209.2 | 183122.1 | S |
| 20.708 | 0.4857 | 0.0000 | 86.637 | 0.83187 | 0.00000 | 314743.6 | 79234.2 | 183122.1 | S |
| 20.717 | 0.4885 | 0.0000 | 86.636 | 0.83109 | 0.00000 | 314758.2 | 79259.1 | 183122.1 | S |
| 20.725 | 0.4910 | 0.0000 | 86.636 | 0.83031 | 0.00000 | 314772.9 | 79284.0 | 183122.1 | S |
| 20.733 | 0.4931 | 0.0000 | 86.635 | 0.82952 | 0.00000 | 314787.7 | 79308.9 | 183122.1 | S |
| 20.742 | 0.4951 | 0.0000 | 86.635 | 0.82874 | 0.00000 | 314802.5 | 79333.8 | 183122.1 | S |
| 20.750 | 0.4968 | 0.0000 | 86.634 | 0.82795 | 0.00000 | 314817.4 | 79358.6 | 183122.1 | S |
| 20.758 | 0.4983 | 0.0000 | 86.634 | 0.82716 | 0.00000 | 314832.3 | 79383.5 | 183122.1 | S |
| 20.767 | 0.4997 | 0.0000 | 86.633 | 0.82638 | 0.00000 | 314847.3 | 79408.3 | 183122.1 | S |
| 20.775 | 0.5009 | 0.0000 | 86.632 | 0.82559 | 0.00000 | 314862.3 | 79433.1 | 183122.1 | S |
| 20.783 | 0.5019 | 0.0000 | 86.632 | 0.82479 | 0.00000 | 314877.3 | 79457.8 | 183122.1 | S |
| 20.792 | 0.5028 | 0.0000 | 86.631 | 0.82400 | 0.00000 | 314892.4 | 79482.5 | 183122.1 | S |
| 20.800 | 0.5037 | 0.0000 | 86.631 | 0.82321 | 0.00000 | 314907.5 | 79507.2 | 183122.1 | S |
| 20.808 | 0.5044 | 0.0000 | 86.630 | 0.82242 | 0.00000 | 314922.6 | 79531.9 | 183122.1 | S |
| 20.817 | 0.5050 | 0.0000 | 86.630 | 0.82162 | 0.00000 | 314937.8 | 79556.6 | 183122.1 | S |
| 20.825 | 0.5056 | 0.0000 | 86.629 | 0.82083 | 0.00000 | 314952.9 | 79581.2 | 183122.1 | S |
| 20.833 | 0.5061 | 0.0000 | 86.629 | 0.82003 | 0.00000 | 314968.1 | 79605.8 | 183122.1 | S |
| 20.842 | 0.5066 | 0.0000 | 86.628 | 0.81924 | 0.00000 | 314983.3 | 79630.4 | 183122.1 | S |
| 20.850 | 0.5070 | 0.0000 | 86.628 | 0.81844 | 0.00000 | 314998.5 | 79655.0 | 183122.1 | S |
| 20.858 | 0.5073 | 0.0000 | 86.627 | 0.81765 | 0.00000 | 315013.7 | 79679.5 | 183122.1 | S |
| 20.867 | 0.5076 | 0.0000 | 86.627 | 0.81685 | 0.00000 | 315028.9 | 79704.1 | 183122.7 | S |
| 20.875 | 0.5079 | 0.0000 | 86.626 | 0.81606 | 0.00000 | 315044.2 | 79728.6 | 183122.1 | S |
| 20.883 | 0.5081 | 0.0000 | 86.626 | 0.81526 | 0.00000 | 315059.4 | 79753.0 | 183122.1 | S |
| 20.892 | 0.5083 | 0.0000 | 86.625 | 0.81447 | 0.00000 | 315074.7 | 79777.5 | 183122.1 | S |
| 20.900 | 0.5085 | 0.0000 | 86.625 | 0.81368 | 0.00000 | 315089.9 | 79801.9 | 183122.1 | S |
| 20.908 | 0.5087 | 0.0000 | 86.624 | 0.81289 | 0.00000 | 315105.2 | 79826.3 | 183122.1 | S |
| 20.917 | 0.5088 | 0.0000 | 86.624 | 0.81210 | 0.00000 | 315120.4 | 79850.7 | 183122.1 | S |
| 20.925 | 0.5090 | 0.0000 | 86.623 | 0.81131 | 0.00000 | 315135.7 | 79875.0 | 183122.1 | S |
| 20.933 | 0.5091 | 0.0000 | 86.623 | 0.81052 | 0.00000 | 315151.0 | 79899.3 | 183122.1 | S |
| 20.942 | 0.5092 | 0.0000 | 86.622 | 0.80973 | 0.00000 | 315166.3 | 79923.6 | 183122.1 | S |
| 20.950 | 0.5093 | 0.0000 | 86.622 | 0.80894 | 0.00000 | 315181.5 | 79947.9 | 183122.1 | S |
| 20.958 | 0.5094 | 0.0000 | 86.621 | 0.80816 | 0.00000 | 315196.8 | 79972.2 | 183122.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | inflow Rate ( $\mathrm{H}^{3 / 3}$ ) | Outside Recharge (ftday) | Stage Elevation ( f datum) | Infiltration Rate ( $\mathrm{ft}^{3 /} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | $\begin{aligned} & \text { Flow } \\ & \text { Type } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 20.967 | 0.5095 | 0.0000 | 86.621 | 0.80738 | 0.00000 | 315212.1 | 79996.4 | 183122.1 | S |
| 20.975 | 0.5095 | 0.0000 | 86.620 | 0.80659 | 0.00000 | 315227.4 | 80020.6 | 183122.1 | S |
| 20.983 | 0.5096 | 0.0000 | 86.620 | 0.80581 | 0.00000 | 315242.7 | 80044.8 | 183122.1 | S |
| 20.992 | 0.5096 | 0.0000 | 86.619 | 0.80503 | 0.00000 | 315257.9 | 80069.0 | 183122.1 | S |
| 21.000 | 0.5097 | 0.0000 | 86.619 | 0.80425 | 0.00000 | 315273.2 | 80093.1 | 183122.1 | S |
| 21.008 | 0.5095 | 0.0000 | 86.618 | 0.80348 | 0.00000 | 315288.5 | 80117.2 | 183122.1 | S |
| 21.017 | 0.5089 | 0.0000 | 86.618 | 0.80270 | 0.00000 | 315303.8 | 80141.3 | 183122.1 | S |
| 21.025 | 0.5078 | 0.0000 | 86.617 | 0.80192 | 0.00000 | 315319.0 | 80165.4 | 183122.1 | S |
| 21.033 | 0.5060 | 0.0000 | 86.617 | 0.80113 | 0.00000 | 315334.3 | 80189.4 | 183122.1 | S |
| 21.042 | 0.5033 | 0.0000 | 86.616 | 0.80034 | 0.00000 | 315349.4 | 80213.5 | 183122.1 | S |
| 21.050 | 0.4996 | 0.0000 | 86.616 | 0.79953 | 0.00000 | 315364.4 | 80237.5 | 183122.1 | S |
| 21.058 | 0.4947 | 0.0000 | 86.615 | 0.79871 | 0.00000 | 315379.3 | 80261.4 | 183122.1 | S |
| 21.067 | 0.4884 | 0.0000 | 86.615 | 0.79788 | 0.00000 | 315394.1 | 80285.4 | 183122.1 | S |
| 21.075 | 0.4809 | 0.0000 | 86.614 | 0.79702 | 0.00000 | 315408.6 | 80309.3 | 183122.1 | S |
| 21.083 | 0.4726 | 0.0000 | 86.614 | 0.79615 | 0.00000 | 315422.9 | 80333.2 | 183122.1 | S |
| 21.092 | 0.4636 | 0.0000 | 86.613 | 0.79525 | 0.00000 | 315437.0 | 80357.1 | 183122.1 | S |
| 21.100 | 0.4541 | 0.0000 | 86.613 | 0.79433 | 0.00000 | 315450.8 | 80380.9 | 183122.3 | S |
| 21.108 | 0.4446 | 0.0000 | 86.612 | 0.79339 | 0.00000 | 315464.2 | 80404.7 | 183122.1 | S |
| 21.117 | 0.4351 | 0.0000 | 86.612 | 0.79244 | 0.00000 | 315477.4 | 80428.5 | 183122.1 | S |
| 21.125 | 0.4258 | 0.0000 | 86.611 | 0.79147 | 0.00000 | 315490.3 | 80452.3 | 183122.1 | S |
| 21.133 | 0.4170 | 0.0000 | 86.610 | 0.79048 | 0.00000 | 315503.0 | 80476.0 | 183122.1 | S |
| 21.142 | 0.4086 | 0.0000 | 86.610 | 0.78949 | 0.00000 | 315515.4 | 80499.7 | 183122.1 | S |
| 21.150 | 0.4008 | 0.0000 | 86.609 | 0.78849 | 0.00000 | 315527.5 | 80523.4 | 183122.1 | S |
| 21.158 | 0.3936 | 0.0000 | 86.609 | 0.78749 | 0.00000 | 315539.4 | 80547.0 | 183122.1 | S |
| 21.167 | 0.3871 | 0.0000 | 86.608 | 0.78648 | 0.00000 | 315551.1 | 80570.6 | 183122.1 | S |
| 21.175 | 0.3815 | 0.0000 | 86.607 | 0.78548 | 0.00000 | 315562.7 | 80594.2 | 183122.1 | S |
| 21.183 | 0.3766 | 0.0000 | 86.607 | 0.78448 | 0.00000 | 315574.0 | 80617.8 | 183122.1 | S |
| 21.192 | 0.3724 | 0.0000 | 86.606 | 0.78348 | 0.00000 | 315585.3 | 80641.3 | 183122.1 | S |
| 21.200 | 0.3687 | 0.0000 | 86.605 | 0.78249 | 0.00000 | 315596.4 | 80664.8 | 183122.1 | S |
| 21.208 | 0.3654 | 0.0000 | 86.605 | 0.78151 | 0.00000 | 315607.4 | 80688.2 | 183122.1 | S |
| 21.217 | 0.3625 | 0.0000 | 86.604 | 0.78053 | 0.00000 | 315618.3 | 80711.7 | 183122.1 | S |
| 21.225 | 0.3599 | 0.0000 | 86.603 | 0.77956 | 0.00000 | 315629.2 | 80735.1 | 183122.1 | S |
| 21.233 | 0.3576 | 0.0000 | 86.603 | 0.77860 | 0.00000 | 315639.9 | 80758.4 | 183122.1 | S |
| 21.242 | 0.3555 | 0.0000 | 86.602 | 0.77765 | 0.00000 | 315650.6 | 80781.8 | 183122.1 | S |
| 21.250 | 0.3537 | 0.0000 | 86.601 | 0.77670 | 0.00000 | 315661.3 | 80805.1 | 183122.1 | S |
| 21.258 | 0.3521 | 0.0000 | 86.600 | 0.77576 | 0.00000 | 315671.8 | 80828.4 | 183122.1 | S |
| 21.267 | 0.3507 | 0.0000 | 86.600 | 0.77483 | 0.00000 | 315682.4 | 80851.6 | 183122.1 | S |
| 21.275 | 0.3494 | 0.0000 | 86.599 | 0.77390 | 0.00000 | 315692.9 | 80874.9 | 183122.1 | S |
| 21.283 | 0.3483 | 0.0000 | 86.598 | 0.77299 | 0.00000 | 315703.3 | 80898.1 | 183122.1 | S |
| 21.292 | 0.3473 | 0.0000 | 86.598 | 0.77208 | 0.00000 | 315713.8 | 80921.2 | 183122.1 | S |
| 21.300 | 0.3464 | 0.0000 | 86.597 | 0.77117 | 0.00000 | 315724.2 | 80944.4 | 183122.1 | S |
| 21.308 | 0.3457 | 0.0000 | 86.596 | 0.77028 | 0.00000 | 315734.6 | 80967.5 | 183122.1 | S |
| 21.317 | 0.3450 | 0.0000 | 86.596 | 0.76939 | 0.00000 | 315744.9 | 80990.6 | 183122.1 | S |
| 21.325 | 0.3444 | 0.0000 | 86.595 | 0.76850 | 0.00000 | 315755.3 | 81013.7 | 183122.1 | S |
| 21.333 | 0.3439 | 0.0000 | 86.594 | 0.76762 | 0.00000 | 315765.6 | 81036.7 | 183122.1 | S |
| 21.342 | 0.3434 | 0.0000 | 86.593 | 0.76675 | 0.00000 | 315775.9 | 81059.7 | 183122.1 | S |
| 21.350 | 0.3430 | 0.0000 | 86.593 | 0.76588 | 0.00000 | 315786.2 | 81082.7 | 183122.1 | S |
| 21.358 | 0.3426 | 0.0000 | 86.592 | 0.76502 | 0.00000 | 315796.5 | 81105.7 | 183122.1 | S |
| 21.367 | 0.3423 | 0.0000 | 86.591 | 0.76417 | 0.00000 | 315806.8 | 81128.6 | 183122.1 | S |
| 21.375 | 0.3420 | 0.0000 | 86.591 | 0.76332 | 0.00000 | 315817.0 | 81151.5 | 183122.1 | S |
| 21.383 | 0.3417 | 0.0000 | 86.590 | 0.76247 | 0.00000 | $3 \ddagger 5827.3$ | 81174.4 | 183122.1 | S |
| 21.392 | 0.3415 | 0.0000 | 86.589 | 0.76163 | 0.00000 | 315837.5 | 81197.3 | 183122.1 | S |
| 21.400 | 0.3413 | 0.0000 | 86.589 | 0.76079 | 0.00000 | 315847.8 | 81220.1 | 183122.1 | S |
| 21.408 | 0.3411 | 0.0000 | 86.588 | 0.75996 | 0.00000 | 315858.0 | 81242.9 | 183122.1 | S |
| 21.417 | 0.3410 | 0.0000 | 86.587 | 0.75913 | 0.00000 | 315868.2 | 81265.7 | 183122.1 | S |
| 21.425 | 0.3408 | 0.0000 | 86.587 | 0.75831 | 0.00000 | 315878.4 | 81288.5 | 183122.1 | S |
| 21.433 | 0.3407 | 0.0000 | 86.586 | 0.75749 | 0.00000 | 315888.7 | 81311.2 | 183122, 1 | S |
| 21.442 | 0.3406 | 0.0000 | 86.585 | 0.75668 | 0.00000 | 315898.9 | 81333.9 | 183122.1 | S |
| 21.450 | 0.3405 | 0.0000 | 86.584 | 0.75587 | 0.00000 | 315909.1 | 81356.6 | 183122.1 | S |
| 21.458 | 0.3404 | 0.0000 | 86.584 | 0.75506 | 0.00000 | 315919.3 | 81379.3 | 183122.1 | S |
| 21.467 | 0.3403 | 0.0000 | 86.583 | 0.75426 | 0.00000 | 315929.5 | 81401.9 | 183122.1 | S |
| 21.475 | 0.3402 | 0.0000 | 86.582 | 0.75346 | 0.00000 | 315939.7 | 81424.5 | 183122.1 | S |
| 21.483 | 0.3402 | 0.0000 | 86.582 | 0.75267 | 0.00000 | 315949.9 | 81447.1 | 183122.1 | S |
| 21.492 | 0.3401 | 0.0000 | 86.581 | 0.75187 | 0.00000 | 315960.2 | 81469.7 | 183122.1 | S |
| 21.500 | 0.3401 | 0.0000 | 86.580 | 0.75109 | 0.00000 | 315970.3 | 81492.2 | 183122.7 | S |
| 21.508 | 0.3402 | 0.0000 | 86.580 | 0.75030 | 0.00000 | 315980.6 | 81514.8 | 183122.1 | S |
| 21.517 | 0.3411 | 0.0000 | 86.579 | 0.74953 | 0.00000 | 315990.8 | 81537.3 | 183122.1 | S |
| 21.525 | 0.3429 | 0.0000 | 86.578 | 0.74876 | 0.00000 | 316001.0 | 81559.7 | 183122.1 | S |
| 21.533 | 0.3458 | 0.0000 | 86.578 | 0.74801 | 0.00000 | 316011.3 | 81582.2 | 183122.1 | S |
| 21.542 | 0.3503 | 0.0000 | 86.577 | 0.74727 | 0.00000 | 316021.8 | 81604.6 | 183122.1 | S |
| 21.550 | 0.3568 | 0.0000 | 86.576 | 0.74657 | 0.00000 | 316032.4 | 81627.0 | 183122.1 | S |
| 21.558 | 0.3655 | 0.0000 | 86.576 | 0.74589 | 0.00000 | 316043.3 | 81649.4 | 183122.1 | S |
| 21.567 | 0.3768 | 0.0000 | 86.575 | 0.74525 | 0.00000 | 316054.4 | 81671.8 | 183122.1 | S |
| 21.575 | 0.3905 | 0.0000 | 86.575 | 0.74466 | 0.00000 | 316065.9 | 81694.1 | 183122.1 | S |

# PONDS Version 3.2.0207 <br> Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E. 

Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (H/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{H}^{3 / \mathrm{s}}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 21.583 | 0.4063 | 0.0000 | 86.574 | 0.74411 | 0.00000 | 316077.8 | 81716.5 | 183122.1 | S |
| 21.592 | 0.4237 | 0.0000 | 86.573 | 0.74361 | 0.00000 | 316090.3 | 81738.8 | 183122.1 | S |
| 21.600 | 0.4422 | 0.0000 | 86.573 | 0.74316 | 0.00000 | 316103.3 | 81761.1 | 183122.1 | S |
| 21.608 | 0.4612 | 0.0000 | 86.572 | 0.74276 | 0.00000 | 316116.8 | 81783.4 | 183122.1 | S |
| 21.617 | 0.4802 | 0.0000 | 86.572 | 0.74240 | 0.00000 | 316130.9 | 81805.6 | 183122.1 | S |
| 21.625 | 0.4989 | 0.0000 | 86.572 | 0.74208 | 0.00000 | 316145.6 | 81827.9 | 183122.1 | S |
| 21.633 | 0.5171 | 0.0000 | 86.571 | 0.74180 | 0.00000 | 316160.9 | 81850.2 | 183122.1 | S |
| 21.642 | 0.5343 | 0.0000 | 86.571 | 0.74154 | 0.00000 | 316176.7 | 81872.4 | 183122.1 | S |
| 21.650 | 0.5505 | 0.0000 | 86.570 | 0.74130 | 0.00000 | 316192.9 | 81894.7 | 183122.1 | S |
| 21.658 | 0.5655 | 0.0000 | 86.570 | 0.74109 | 0.00000 | 316209.7 | 81916.9 | 183122.1 | S |
| 21.667 | 0.5791 | 0.0000 | 86.570 | 0.74088 | 0.00000 | 316226.8 | 81939.1 | 183122.1 | S |
| 21.675 | 0.5912 | 0.0000 | 86.570 | 0.74068 | 0.00000 | 316244.4 | 81961.3 | 183122.1 | S |
| 21.683 | 0.6016 | 0.0000 | 86.569 | 0.74049 | 0.00000 | 316262.3 | 81983.6 | 183122.1 | S |
| 21.692 | 0.6107 | 0.0000 | 86.569 | 0.74029 | 0.00000 | 316280.5 | 82005.8 | 183122.1 | S |
| 21.700 | 0.6186 | 0.0000 | 86.569 | 0.74009 | 0.00000 | 316298.9 | 82028.0 | 183122.1 | S |
| 21.708 | 0.6256 | 0.0000 | 86.569 | 0.73988 | 0.00000 | 316317.6 | 82050.2 | 183122.1 | S |
| 21.717 | 0.6318 | 0.0000 | 86.569 | 0.73966 | 0.00000 | 316336.4 | 82072.4 | 183122.1 | S |
| 21.725 | 0.6373 | 0.0000 | 86.568 | 0.73943 | 0.00000 | 316355.5 | 82094.6 | 183122.1 | S |
| 21.733 | 0.6422 | 0.0000 | 86.568 | 0.73920 | 0.00000 | 316374.7 | 82116.7 | 183122.1 | S |
| 21.742 | 0.6465 | 0.0000 | 86.568 | 0.73895 | 0.00000 | 316394.0 | 82138.9 | 183122.1 | S |
| 21.750 | 0.6504 | 0.0000 | 86.568 | 0.73870 | 0.00000 | 316413.4 | 82161.1 | 183122.1 | S |
| 21.758 | 0.6539 | 0.0000 | 86.568 | 0.73844 | 0.00000 | 316433.0 | 82183.2 | 183122.1 | S |
| 21.767 | 0.6569 | 0.0000 | 86.568 | 0.73817 | 0.00000 | 316452.7 | 82205.4 | 183122.1 | S |
| 21.775 | 0.6595 | 0.0000 | 86.568 | 0.73789 | 0.00000 | 316472.4 | 82227.5 | 183122.1 | S |
| 21.783 | 0.6619 | 0.0000 | 86.567 | 0.73760 | 0.00000 | 316492.2 | 82249.7 | 183122.1 | S |
| 21.792 | 0.6640 | 0.0000 | 86.567 | 0.73731 | 0.00000 | 316512.1 | 82271.8 | 183122.1 | S |
| 21.800 | 0.6658 | 0.0000 | 86.567 | 0.73701 | 0.00000 | 316532.1 | 82293.9 | 183122.1 | S |
| 21.808 | 0.6675 | 0.0000 | 86.567 | 0.73670 | 0.00000 | 316552.1 | 82316.0 | 183122.1 | S |
| 21.817 | 0.6689 | 0.0000 | 86.567 | 0.73638 | 0.00000 | 316572.1 | 82338.1 | 183122.1 | S |
| 21.825 | 0.6702 | 0.0000 | 86.567 | 0.73606 | 0.00000 | 316592.2 | 82360.2 | 183122.1 | S |
| 21.833 | 0.6713 | 0.0000 | 86.567 | 0.73573 | 0.00000 | 316612.3 | 82382.3 | 183122.1 | S |
| 21.842 | 0.6723 | 0.0000 | 86.567 | 0.73539 | 0.00000 | 316632.5 | 82404.3 | 183122.1 | S |
| 21.850 | 0.6732 | 0.0000 | 86.566 | 0.73505 | 0.00000 | 316652.7 | 82426.4 | 183122.1 | S |
| 21.858 | 0.6740 | 0.0000 | 86.566 | 0.73470 | 0.00000 | 316672.9 | 82448.4 | 183122.1 | S |
| 21.867 | 0.6747 | 0.0000 | 86.566 | 0.73435 | 0.00000 | 316693.1 | 82470.5 | 183122.1 | S |
| 21.875 | 0.6753 | 0.0000 | 86.566 | 0.73399 | 0.00000 | 316713.3 | 82492.5 | 183122.1 | S |
| 21.883 | 0.6759 | 0.0000 | 86.566 | 0.73363 | 0.00000 | 316733.6 | 82514.5 | 183122.1 | S |
| 21.892 | 0.6763 | 0.0000 | 86.566 | 0.73326 | 0.00000 | 316753.9 | 82536.5 | 183122.1 | S |
| 21.900 | 0.6768 | 0.0000 | 86.566 | 0.73289 | 0.00000 | 316774.2 | 82558.5 | 183122.1 | S |
| 21.908 | 0.6772 | 0.0000 | 86.566 | 0.73252 | 0.00000 | 316794.5 | 82580.5 | 183122.1 | S |
| 21.917 | 0.6775 | 0.0000 | 86.566 | 0.73214 | 0.00000 | 316814.8 | 82602.5 | 183122.1 | S |
| 21.925 | 0.6778 | 0.0000 | 86.566 | 0.73177 | 0.00000 | 316835.2 | 82624.4 | 183122.1 | S |
| 21.933 | 0.6780 | 0.0000 | 86.566 | 0.73138 | 0.00000 | 316855.5 | 82646.4 | 183122.1 | S |
| 21.942 | 0.6783 | 0.0000 | 86.565 | 0.73100 | 0.00000 | 316875.8 | 82668.3 | 183122.1 | S |
| 21.950 | 0.6785 | 0.0000 | 86.565 | 0.73061 | 0.00000 | 316896.2 | 82690.2 | 183122.1 | S |
| 21.958 | 0.6787 | 0.0000 | 86.565 | 0.73022 | 0.00000 | 316916.5 | 82712.1 | 183122.1 | S |
| 21.967 | 0.6788 | 0.0000 | 86.565 | 0.72983 | 0.00000 | 316936.9 | 82734.0 | 183122.1 | S |
| 21.975 | 0.6790 | 0.0000 | 86.565 | 0.72943 | 0.00000 | 316957.3 | 82755.9 | 183122.1 | S |
| 21.983 | 0.6791 | 0.0000 | 86.565 | 0.72904 | 0.00000 | 316977.7 | 82777.8 | 183122.1 | S |
| 21.992 | 0.6793 | 0.0000 | 86.565 | 0.72864 | 0.00000 | 316998.0 | 82799.7 | 183122.1 | S |
| 22.000 | 0.6794 | 0.0000 | 86.565 | 0.72824 | 0.00000 | 317018.4 | 82821.5 | 183122.1 | S |
| 22.008 | 0.6794 | 0.0000 | 86.565 | 0.72784 | 0.00000 | 317038.8 | 82843.4 | 183122.1 | S |
| 22.017 | 0.6790 | 0.0000 | 86.565 | 0.72743 | 0.00000 | 317059.2 | 82865.2 | 183122.1 | S |
| 22.025 | 0.6778 | 0.0000 | 86.565 | 0.72702 | 0.00000 | 317079.5 | 82887.0 | 183122.1 | S |
| 22.033 | 0.6755 | 0.0000 | 86.565 | 0.72660 | 0.00000 | 317099.8 | 82908.8 | 183122.1 | S |
| 22.042 | 0.6718 | 0.0000 | 86.564 | 0.72616 | 0.00000 | 317120.0 | 82930.6 | 183122.1 | S |
| 22.050 | 0.6664 | 0.0000 | 86.564 | 0.72571 | 0.00000 | 317140.1 | 82952.4 | 183122.1 | S |
| 22.058 | 0.6589 | 0.0000 | 86.564 | 0.72522 | 0.00000 | 317160.0 | 82974.1 | 183122.1 | S |
| 22.067 | 0.6489 | 0.0000 | 86.564 | 0.72471 | 0.00000 | 317179.6 | 82995.9 | 183122.1 | S |
| 22.075 | 0.6362 | 0.0000 | 86.564 | 0.72416 | 0.00000 | 317198.9 | 83017.6 | 183122.1 | S |
| 22.083 | 0.6213 | 0.0000 | 86.564 | 0.72356 | 0.00000 | 317217.7 | 83039.3 | 183122.1 | S |
| 22.092 | 0.6045 | 0.0000 | 86.564 | 0.72291 | 0.00000 | 317236.1 | 83061.0 | 183122.1 | S |
| 22.100 | 0.5865 | 0.0000 | 86.563 | 0.72222 | 0.00000 | 317254.0 | 83082.7 | 183122.1 | S |
| 22.108 | 0.5676 | 0.0000 | 86.563 | 0.72148 | 0.00000 | 317271.3 | 83104.4 | 183122.1 | S |
| 22.117 | 0.5486 | 0.0000 | 86.563 | 0.72070 | 0.00000 | 317288.0 | 83126.0 | 183122.1 | S |
| 22.125 | 0.5296 | 0.0000 | 86.563 | 0.71988 | 0.00000 | 317304.2 | 83147.6 | 183122.1 | S |
| 22.133 | 0.5111 | 0.0000 | 86.562 | 0.71903 | 0.00000 | 317319.8 | 83169.2 | 183122.1 | S |
| 22.142 | 0.4934 | 0.0000 | 86.562 | 0.71815 | 0.00000 | 317334.9 | 83190.7 | 183122.1 | S |
| 22.150 | 0.4767 | 0.0000 | 86.562 | 0.71724 | 0.00000 | 317349.4 | 83212.3 | 183122.1 | S |
| 22.158 | 0.4611 | 0.0000 | 86.561 | 0.71632 | 0.00000 | 347363.5 | 83233.8 | 183122.1 | S |
| 22.167 | 0.4467 | 0.0000 | 86.561 | 0.71538 | 0.00000 | 317377.1 | 83255.3 | 183122.1 | S |
| 22.175 | 0.4338 | 0.0000 | 86.560 | 0.71444 | 0.00000 | 317390.3 | 83276.7 | 183122.1 | S |
| 22.183 | 0.4226 | 0.0000 | 86.560 | 0.71349 | 0.00000 | 317403.2 | 83298.1 | 183122.1 | S |
| 22.192 | 0.4130 | 0.0000 | 86.559 | 0.71255 | 0.00000 | 317415.7 | 83319.5 | 183122.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

## Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Infiow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume (fte) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 22.200 | 0.4046 | 0.0000 | 86.559 | 0.71162 | 0.00000 | 317428.0 | 83340.9 | 183122.1 | S |
| 22.208 | 0.3972 | 0.0000 | 86.558 | 0.71069 | 0.00000 | 317440.0 | 83362.2 | 183122.1 | S |
| 22.217 | 0.3906 | 0.0000 | 86.558 | 0.70978 | 0.00000 | 317451.8 | 83383.5 | 183122.1 | S |
| 22.225 | 0.3848 | 0.0000 | 86.557 | 0.70887 | 0.00000 | 317463.4 | 83404.8 | 183122.1 | S |
| 22.233 | 0.3797 | 0.0000 | 86.557 | 0.70798 | 0.00000 | 317474.9 | 83426.1 | 183122.1 | S |
| 22.242 | 0.3751 | 0.0000 | 86.556 | 0.70709 | 0.00000 | 317486.2 | 83447.3 | 183122.1 | S |
| 22.250 | 0.3710 | 0.0000 | 86.556 | 0.70622 | 0.00000 | 317497.4 | 83468.5 | 183122.1 | S |
| 22.258 | 0.3673 | 0.0000 | 86.555 | 0.70536 | 0.00000 | 317508.5 | 83489.7 | 183122.1 | S |
| 22.267 | 0.3641 | 0.0000 | 86.554 | 0.70451 | 0.00000 | 317519.5 | 83510.8 | 183122.1 | S |
| 22.275 | 0.3613 | 0.0000 | 86.554 | 0.70368 | 0.00000 | 317530.3 | 83531.9 | 183122.1 | S |
| 22.283 | 0.3588 | 0.0000 | 86.553 | 0.70285 | 0.00000 | 317541.2 | 83553.0 | 183722.1 | S |
| 22.292 | 0.3566 | 0.0000 | 86.553 | 0.70203 | 0.00000 | 317551.9 | 83574.1 | 183122.1 | S |
| 22,300 | 0.3546 | 0.0000 | 86.552 | 0.70123 | 0.00000 | 317562.6 | 83595.1 | 183122.1 | S |
| 22.308 | 0.3529 | 0.0000 | 86.552 | 0.70043 | 0.00000 | 317573.2 | 83616.2 | 183122.1 | S |
| 22.317 | 0.3513 | 0.0000 | 86.551 | 0.69965 | 0.00000 | 317583.7 | 83637.2 | 183122.1 | S |
| 22.325 | 0.3500 | 0.0000 | 86.550 | 0.69887 | 0.00000 | 317594.3 | 83658.1 | 183122.1 | S |
| 22.333 | 0.3488 | 0.0000 | 86.550 | 0.69810 | 0.00000 | 317604.7 | 83679.1 | 183122.1 | S |
| 22.342 | 0.3477 | 0.0000 | 86.549 | 0.69734 | 0.00000 | 317615.2 | 83700.0 | 183122.1 | S |
| 22.350 | 0.3468 | 0.0000 | 86.549 | 0.69659 | 0.00000 | 317625.6 | 83720.9 | 183122.1 | S |
| 22.358 | 0.3460 | 0.0000 | 86.548 | 0.69585 | 0.00000 | 317636.0 | 83741.8 | 183122.1 | S |
| 22.367 | 0.3452 | 0.0000 | 86.548 | 0.69512 | 0.00000 | 317646.3 | 83762.7 | 183122.1 | S |
| 22.375 | 0.3446 | 0.0000 | 86.547 | 0.69439 | 0.00000 | 317656.7 | 83783.5 | 183122.1 | S |
| 22.383 | 0.3440 | 0.0000 | 86.546 | 0.69367 | 0.00000 | 317667.0 | 83804.4 | 183122.1 | S |
| 22.392 | 0.3435 | 0.0000 | 86.546 | 0.69296 | 0.00000 | 317677.3 | 83825.2 | 183122.1 | S |
| 22.400 | 0.3430 | 0.0000 | 86.545 | 0.69225 | 0.00000 | 317687.6 | 83845.9 | 183122.1 | S |
| 22.408 | 0.3426 | 0.0000 | 86.545 | 0.69155 | 0.00000 | 317697.9 | 83866.7 | 183122.1 | S |
| 22.417 | 0.3423 | 0.0000 | 86.544 | 0.69085 | 0.00000 | 317708.2 | 83887.4 | 183122.1 | S |
| 22.425 | 0.3420 | 0.0000 | 86.544 | 0.69017 | 0.00000 | 317718.5 | 83908.1 | 183122.1 | S |
| 22.433 | 0.3417 | 0.0000 | 86.543 | 0.68948 | 0.00000 | 317728.7 | 83928.8 | 183122.1 | S |
| 22.442 | 0.3414 | 0.0000 | 86.542 | 0.68880 | 0.00000 | 317739.0 | 83949.5 | 183122.1 | S |
| 22.450 | 0.3412 | 0.0000 | 86.542 | 0.68813 | 0.00000 | 317749.2 | 83970.2 | 183122.1 | S |
| 22.458 | 0.3410 | 0.0000 | 86.541 | 0.68746 | 0.00000 | 317759.4 | 83990.8 | 183122.1 | S |
| 22.467 | 0.3408 | 0.0000 | 86.541 | 0.68680 | 0.00000 | 317769.7 | 84011.4 | 183122.1 | S |
| 22.475 | 0.3407 | 0.0000 | 86.540 | 0.68614 | 0.00000 | 317779.9 | 84032.0 | 183122.1 | S |
| 22.483 | 0.3405 | 0.0000 | 86.539 | 0.68549 | 0.00000 | 317790.1 | 84052.6 | 183122.1 | S |
| 22.492 | 0.3404 | 0.0000 | 86.539 | 0.68484 | 0.00000 | 317800.3 | 84073.1 | 183122.1 | S |
| 22.500 | 0.3403 | 0.0000 | 86.538 | 0.68419 | 0.00000 | 317810.5 | 84093.7 | 183122.1 | S |
| 22.508 | 0.3402 | 0.0000 | 86.538 | 0.68355 | 0.00000 | 317820.7 | 84114.2 | 183122.1 | S |
| 22.517 | 0.3403 | 0.0000 | 86.537 | 0.68291 | 0.00000 | 317830.9 | 84134.7 | 183122.1 | S |
| 22.525 | 0.3407 | 0.0000 | 86.537 | 0.68228 | 0.00000 | 317841.2 | 84155.2 | 183122.1 | S |
| 22.533 | 0.3417 | 0.0000 | 86.536 | 0.68166 | 0.00000 | 317851.4 | 84175.6 | 183122.1 | S |
| 22.542 | 0.3434 | 0.0000 | 86.535 | 0.68104 | 0.00000 | 317861.7 | 84196.1 | 183122.1 | S |
| 22.550 | 0.3460 | 0.0000 | 86.535 | 0.68044 | 0.00000 | 317872.0 | 84216.5 | 183122.1 | S |
| 22.558 | 0.3498 | 0.0000 | 86.534 | 0.67986 | 0.00000 | 317882.4 | 84236.9 | 183122.1 | S |
| 22.567 | 0.3548 | 0.0000 | 86.534 | 0.67929 | 0.00000 | 317893.0 | 84257.3 | 183122.1 | S |
| 22.575 | 0.3614 | 0.0000 | 86.533 | 0.67875 | 0.00000 | 317903.8 | 84277.6 | 183122.1 | S |
| 22.583 | 0.3694 | 0.0000 | 86.533 | 0.67824 | 0.00000 | 317914.7 | 84298.0 | 183122.1 | S |
| 22.592 | 0.3785 | 0.0000 | 86.532 | 0.67775 | 0.00000 | 317925.9 | 84318.3 | 183122.1 | S |
| 22.600 | 0.3885 | 0.0000 | 86.532 | 0.67729 | 0.00000 | 317937.4 | 84338.7 | 183122.1 | S |
| 22.608 | 0.3992 | 0.0000 | 86.531 | 0.67687 | 0.00000 | 317949.3 | 84359.0 | 183122.1 | S |
| 22.617 | 0.4101 | 0.0000 | 86.531 | 0.67647 | 0.00000 | 317961.4 | 84379.3 | 183122.1 | S |
| 22.625 | 0.4210 | 0.0000 | 86.530 | 0.67610 | 0.00000 | 317973.9 | 84399.6 | 183122.1 | S |
| 22.633 | 0.4318 | 0.0000 | 86.530 | 0.67575 | 0.00000 | 317986.7 | 84419.8 | 183122.1 | S |
| 22.642 | 0.4422 | 0.0000 | 86.530 | 0.67542 | 0.00000 | 317999.8 | 84440.1 | 183122.1 | S |
| 22.650 | 0.4521 | 0.0000 | 86.529 | 0.67511 | 0.00000 | 318013.2 | 84460.4 | 183122.1 | S |
| 22.658 | 0.4614 | 0.0000 | 86.529 | 0.67482 | 0.00000 | 318026.9 | 84480.6 | 183122.1 | S |
| 22.667 | 0.4699 | 0.0000 | 86.529 | 0.67453 | 0.00000 | 318040.8 | 84500.9 | 183122.1 | S |
| 22.675 | 0.4778 | 0.0000 | 86.528 | 0.67425 | 0.00000 | 318055.1 | 84521.1 | 183122.1 | S |
| 22.683 | 0.4847 | 0.0000 | 86.528 | 0.67398 | 0.00000 | 318069.5 | 84541.3 | 183122.1 | S |
| 22.692 | 0.4906 | 0.0000 | 86.528 | 0.67371 | 0.00000 | 318084.1 | 84561.5 | 183122.1 | S |
| 22.700 | 0.4958 | 0.0000 | 86.527 | 0.67344 | 0.00000 | 318098.9 | 84581.7 | 183122.1 | S |
| 22.708 | 0.5004 | 0.0000 | 86.527 | 0.67316 | 0.00000 | 318113.9 | 84601.9 | 183122.1 | S |
| 22.717 | 0.5044 | 0.0000 | 86.527 | 0.67289 | 0.00000 | 318128.9 | 84622.1 | 183122.1 | S |
| 22.725 | 0.5079 | 0.0000 | 86.526 | 0.67261 | 0.00000 | 318144.1 | 84642.3 | 183122.1 | S |
| 22.733 | 0.5110 | 0.0000 | 86.526 | 0.67232 | 0.00000 | 318159.4 | 84662.5 | 183122.1 | S |
| 22.742 | 0.5138 | 0.0000 | 86.526 | 0.67203 | 0.00000 | 318174.8 | 84682.6 | 183122.1 | S |
| 22.750 | 0.5163 | 0.0000 | 86.526 | 0.67174 | 0.00000 | 318190.3 | 84702.8 | 183122.1 | S |
| 22.758 | 0.5186 | 0.0000 | 86.525 | 0.67144 | 0.00000 | 318205.8 | 84723.0 | 183122.1 | S |
| 22.767 | 0.5205 | 0.0000 | 86.525 | 0.67114 | 0.00000 | 318221.3 | 84743.1 | 183122.1 | S |
| 22.775 | 0.5222 | 0.0000 | 86.525 | 0.67083 | 0.00000 | 318237.0 | 84763.2 | 183122.1 | S |
| 22.783 | 0.5238 | 0.0000 | 86.525 | 0.67052 | 0.00000 | 318252.7 | 84783.3 | 183122.1 | S |
| 22.792 | 0.5251 | 0.0000 | 86.524 | 0.67021 | 0.00000 | 318268.4 | 84803.5 | 183122.1 | S |
| 22.800 | 0.5263 | 0.0000 | 86.524 | 0.66989 | 0.00000 | 318284.2 | 84823.6 | 183122.1 | S |
| 22.808 | 0.5274 | 0.0000 | 86.524 | 0.66957 | 0.00000 | 318300.0 | 84843.6 | 183122.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft dakum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow <br> Discharge ( $\mathrm{H}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 22.817 | 0.5283 | 0.0000 | 86.524 | 0.66924 | 0.00000 | 318315.8 | 84863.7 | 183122.1 | S |
| 22.825 | 0.5291 | 0.0000 | 86.523 | 0.66891 | 0.00000 | 318331.7 | 84883.8 | 183122.1 | S |
| 22.833 | 0.5299 | 0.0000 | 86.523 | 0.66858 | 0.00000 | 318347.6 | 84903.9 | 183122.1 | S |
| 22.842 | 0.5305 | 0.0000 | 86.523 | 0.66824 | 0.00000 | 318363.5 | 84923.9 | 183122.1 | S |
| 22.850 | 0.5311 | 0.0000 | 86.523 | 0.66790 | 0.00000 | 318379.4 | 84944.0 | 183122.1 | S |
| 22.858 | 0.5316 | 0.0000 | 86.522 | 0.66756 | 0.00000 | 318395.3 | 84964.0 | 183122.1 | S |
| 22.867 | 0.5321 | 0.0000 | 86.522 | 0.66721 | 0.00000 | 318411.3 | 84984.0 | 183122.1 | S |
| 22.875 | 0.5324 | 0.0000 | 86.522 | 0.66687 | 0.00000 | 318427.3 | 85004.0 | 183122.1 | S |
| 22.883 | 0.5328 | 0.0000 | 86.522 | 0.66652 | 0.00000 | 318443.3 | 85024.0 | 183122.1 | S |
| 22.892 | 0.5331 | 0.0000 | 86.522 | 0.66616 | 0.00000 | 318459.2 | 85044.0 | 183122.1 | S |
| 22.900 | 0.5334 | 0.0000 | 86.521 | 0.66581 | 0.00000 | 318475.2 | 85064.0 | 183122.1 | S |
| 22.908 | 0.5336 | 0.0000 | 86.521 | 0.66546 | 0.00000 | 318491.3 | 85084.0 | 183122.1 | S |
| 22.917 | 0.5339 | 0.0000 | 86.521 | 0.66510 | 0.00000 | 318507.3 | 85103.9 | 183122.1 | S |
| 22.925 | 0.5340 | 0.0000 | 86.521 | 0.66474 | 0.00000 | 318523.3 | 85123.9 | 183122.7 | S |
| 22.933 | 0.5342 | 0.0000 | 86.521 | 0.66438 | 0.00000 | 318539.3 | 85143.8 | 183122.1 | S |
| 22.942 | 0.5344 | 0.0000 | 86.520 | 0.66402 | 0.00000 | 318555.3 | 85163.7 | 183122.1 | S |
| 22.950 | 0.5345 | 0.0000 | 86.520 | 0.66366 | 0.00000 | 318571.3 | 85183.6 | 183122.1 | S |
| 22.958 | 0.5346 | 0.0000 | 86.520 | 0.66330 | 0.00000 | 318587.4 | 85203.6 | 183122.1 | S |
| 22.967 | 0.5347 | 0.0000 | 86.520 | 0.66293 | 0.00000 | 318603.4 | 85223.4 | 183122.1 | S |
| 22.975 | 0.5348 | 0.0000 | 86.519 | 0.66257 | 0.00000 | 318619.5 | 85243.3 | 183122.1 | S |
| 22.983 | 0.5349 | 0.0000 | 86.519 | 0.66220 | 0.00000 | 318635.5 | 85263.2 | 183122.1 | S |
| 22.992 | 0.5350 | 0.0000 | 86.519 | 0.66184 | 0.00000 | 318651.6 | 85283.1 | 183122.1 | S |
| 23.000 | 0.5346 | 0.0000 | 86.519 | 0.66147 | 0.00000 | 318667.6 | 85302.9 | 183122.4 | S |
| 23.008 | 0.5334 | 0.0000 | 86.519 | 0.66109 | 0.00000 | 318683.6 | 85322.7 | 183122.1 | S |
| 23.017 | 0.5310 | 0.0000 | 86.518 | 0.66071 | 0.00000 | 318699.6 | 85342.6 | 183122.1 | S |
| 23.025 | 0.5272 | 0.0000 | 86.518 | 0.66031 | 0.00000 | 318715.5 | 85362.4 | 183122.1 | S |
| 23.033 | 0.5215 | 0.0000 | 86.518 | 0.65989 | 0.00000 | 318731.2 | 85382.2 | 183122.1 | S |
| 23.042 | 0.5137 | 0.0000 | 86.518 | 0.65945 | 0.00000 | 318746.7 | 85402.0 | 183122.1 | S |
| 23.050 | 0.5032 | 0.0000 | 86.517 | 0.65897 | 0.00000 | 318762.0 | 85421.8 | 183122.1 | S |
| 23.058 | 0.4898 | 0.0000 | 86.517 | 0.65844 | 0.00000 | 318776.9 | 85441.5 | 183122.1 | S |
| 23.067 | 0.4739 | 0.0000 | 86.517 | 0.65788 | 0.00000 | 318791.3 | 85461.3 | 183122.1 | S |
| 23.075 | 0.4560 | 0.0000 | 86.517 | 0.65726 | 0.00000 | 318805.3 | 85481.0 | 183122.1 | S |
| 23.083 | 0.4367 | 0.0000 | 86.516 | 0.65659 | 0.00000 | 318818.7 | 85500.7 | 183122.1 | S |
| 23.092 | 0.4164 | 0.0000 | 86.516 | 0.65587 | 0.00000 | 318831.5 | 85520.4 | 183122.1 | S |
| 23.100 | 0.3960 | 0.0000 | 86.515 | 0.65511 | 0.00000 | 318843.7 | 85540.1 | 183122.1 | S |
| 23.108 | 0.3756 | 0.0000 | 86.515 | 0.65430 | 0.00000 | 318855.2 | 85559.7 | 183122.1 | S |
| 23.117 | 0.3556 | 0.0000 | 86.514 | 0.65346 | 0.00000 | 318866.2 | 85579.3 | 183122.1 | S |
| 23.125 | 0.3365 | 0.0000 | 86.514 | 0.65258 | 0.00000 | 318876.6 | 85598.9 | 183122.1 | S |
| 23.133 | 0.3184 | 0.0000 | 86.513 | 0.65169 | 0.00000 | 318886.4 | 85618.5 | 183122.1 | S |
| 23.142 | 0.3016 | 0.0000 | 86.513 | 0.65077 | 0.00000 | 318895.7 | 85638.0 | 183122.1 | S |
| 23.150 | 0.2860 | 0.0000 | 86.512 | 0.64983 | 0.00000 | 318904.5 | 85657.5 | 183122.1 | S |
| 23.158 | 0.2720 | 0.0000 | 86.512 | 0.64889 | 0.00000 | 318912.9 | 85677.0 | 183122.1 | S |
| 23.167 | 0.2599 | 0.0000 | 86.511 | 0.64795 | 0.00000 | 318920.9 | 85696.4 | 183122.1 | S |
| 23.175 | 0.2494 | 0.0000 | 86.510 | 0.64702 | 0.00000 | 318928.5 | 85715.9 | 183122.1 | S |
| 23.183 | 0.2402 | 0.0000 | 86.510 | 0.64608 | 0.00000 | 318935.8 | 85735.3 | 183122.1 | S |
| 23.192 | 0.2322 | 0.0000 | 86.509 | 0.64516 | 0.00000 | 318942.9 | 85754.6 | 183122.1 | S |
| 23.200 | 0.2251 | 0.0000 | 86.508 | 0.64425 | 0.00000 | 318949.8 | 85774.0 | 183122.1 | S |
| 23.208 | 0.2188 | 0.0000 | 86.508 | 0.64335 | 0.00000 | 318956.4 | 85793.3 | 183122.1 | S |
| 23.217 | 0.2132 | 0.0000 | 86.507 | 0.64246 | 0.00000 | 318962.9 | 85812.6 | 183122.1 | S |
| 23.225 | 0.2082 | 0.0000 | 86.506 | 0.64159 | 0.00000 | 318969.3 | 85831.8 | 183122.1 | S |
| 23.233 | 0.2037 | 0.0000 | 86.505 | 0.64073 | 0.00000 | 318975.4 | 85851.1 | 183122.1 | S |
| 23.242 | 0.1998 | 0.0000 | 86.505 | 0.63988 | 0.00000 | 318981.5 | 85870.3 | 183122.1 | S |
| 23.250 | 0.1963 | 0.0000 | 86.504 | 0.63904 | 0.00000 | 318987.4 | 85889.5 | 183122.1 | S |
| 23.258 | 0.1933 | 0.0000 | 86.503 | 0.63822 | 0.00000 | 318993.3 | 85908.6 | 183122.1 | S |
| 23.267 | 0.1905 | 0.0000 | 86.502 | 0.63740 | 0.00000 | 318999.0 | 85927.8 | 183122.1 | S |
| 23.275 | 0.1881 | 0.0000 | 86.502 | 0.63660 | 0.00000 | 319004.7 | 85946.9 | 183122.1 | S |
| 23.283 | 0.1860 | 0.0000 | 86.501 | 0.63581 | 0.00000 | 319010.3 | 85966.0 | 183122.1 | S |
| 23.292 | 0.1841 | 0.0000 | 86.500 | 0.63503 | 0.00000 | 319015.9 | 85985.0 | 183122.1 | S |
| 23.300 | 0.1824 | 0.0000 | 86.499 | 0.63426 | 0.00000 | 319021.4 | 86004.1 | 183122.1 | S |
| 23.308 | 0.1810 | 0.0000 | 86.499 | 0.63351 | 0.00000 | 319026.8 | 86023.1 | 183122.1 | S |
| 23.317 | 0.1797 | 0.0000 | 86.498 | 0.63276 | 0.00000 | 319032.2 | 86042.1 | 183122.1 | S |
| 23.325 | 0.1785 | 0.0000 | 86.497 | 0.63202 | 0.00000 | 319037.6 | 86061.0 | 183122.1 | S |
| 23.333 | 0.1775 | 0.0000 | 86.496 | 0.63129 | 0.00000 | 319042.9 | 86080.0 | 183122.1 | S |
| 23.342 | 0.1766 | 0.0000 | 86.496 | 0.63057 | 0.00000 | 319048.3 | 86098.9 | 483122.1 | S |
| 23.350 | 0.1758 | 0.0000 | 86.495 | 0.62985 | 0.00000 | 319053.5 | 86117.8 | 183122.1 | S |
| 23.358 | 0.1751 | 0.0000 | 86.494 | 0.62915 | 0.00000 | 319058.8 | 86136.7 | 183122.1 | S |
| 23.367 | 0.1745 | 0.0000 | 86.493 | 0.62845 | 0.00000 | 319064.0 | 86155.6 | 183122.1 | S |
| 23.375 | 0.1739 | 0.0000 | 86.493 | 0.62776 | 0.00000 | 319069.3 | 86174.4 | 183122.1 | S |
| 23.383 | 0.1734 | 0.0000 | 86.492 | 0.62708 | 0.00000 | 319074.5 | 86193.2 | 183122.1 | S |
| 23.392 | 0.1730 | 0.0000 | 86.491 | 0.62640 | 0.00000 | 319079.7 | 86212.0 | 183122.1 | S |
| 23.400 | 0.1726 | 0.0000 | 86.490 | 0.62574 | 0.00000 | 319084.8 | 86230.8 | 183122.1 | S |
| 23.408 | 0.1723 | 0.0000 | 86.490 | 0.62507 | 0.00000 | 319090.0 | 86249.6 | 183122.1 | S |
| 23.417 | 0.1720 | 0.0000 | 86.489 | 0.62441 | 0.00000 | 319095.2 | 86268.3 | 183122.1 | S |
| 23.425 | 0.1717 | 0.0000 | 86.488 | 0.62376 | 0.00000 | 319100.3 | 86287.0 | 183122.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infilisation Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overllow <br> Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{R}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 23.433 | 0.1715 | 0.0000 | 86.487 | 0.62312 | 0.00000 | 319105.5 | 86305.7 | 183122.1 | S |
| 23.442 | 0.1712 | 0.0000 | 86.487 | 0.62248 | 0.00000 | 319110.6 | 86324.4 | 183122.1 | S |
| 23.450 | 0.1711 | 0.0000 | 86.486 | 0.62184 | 0.00000 | 319115.8 | 86343.1 | 183122.1 | S |
| 23.458 | 0.1709 | 0.0000 | 86.485 | 0.62121 | 0.00000 | 319120.9 | 86361.7 | 183122.1 | S |
| 23.467 | 0.1707 | 0.0000 | 86.484 | 0.62058 | 0.00000 | 319126.0 | 86380.4 | 183122.1 | S |
| 23.475 | 0.1706 | 0.0000 | 86.484 | 0.61996 | 0.00000 | $3 \uparrow 9131.2$ | 86399.0 | 183122.1 | S |
| 23.483 | 0.1705 | 0.0000 | 86.483 | 0.61934 | 0.00000 | 319136.3 | 86417.6 | 183122.1 | S |
| 23.492 | 0.1704 | 0.0000 | 86.482 | 0.61873 | 0.00000 | 319141.4 | 86436.1 | \$83122.1 | S |
| 23.500 | 0.1703 | 0.0000 | 86.481 | 0.61812 | 0.00000 | 319146.5 | 86454.7 | 183122.1 | S |
| 23.508 | 0.1702 | 0.0000 | 86.481 | 0.61752 | 0.00000 | 319151.6 | 86473.2 | 183122.1 | S |
| 23.517 | 0.1701 | 0.0000 | 86.480 | 0.61692 | 0.00000 | 319156.7 | 86491.7 | 183122.1 | S |
| 23.525 | 0.1701 | 0.0000 | 86.479 | 0.61632 | 0.00000 | 319161.8 | 86510.2 | 183122.1 | S |
| 23.533 | 0.1701 | 0.0000 | 86.478 | 0.61573 | 0.00000 | 319166.9 | 86528.7 | 183122.1 | S |
| 23.542 | 0.1700 | 0.0000 | 86.478 | 0.61514 | 0.00000 | 319172.0 | 86547.2 | 183122.1 | S |
| 23.550 | 0.1700 | 0.0000 | 86.477 | 0.61455 | 0.00000 | 319177.1 | 86565.6 | 183122.1 | S |
| 23.558 | 0.1700 | 0.0000 | 86.476 | 0.61397 | 0.00000 | 319182.2 | 86584.1 | 183122.1 | S |
| 23.567 | 0.1700 | 0.0000 | 86.475 | 0.61339 | 0.00000 | 319187.3 | 86602.5 | 183122.1 | S |
| 23.575 | 0.1700 | 0.0000 | 86.475 | 0.61281 | 0.00000 | 319192.4 | 86620.9 | 183122.1 | S |
| 23.583 | 0.1700 | 0.0000 | 86.474 | 0.61224 | 0.00000 | 319197.5 | 86639.2 | 183122.1 | S |
| 23.592 | 0.1700 | 0.0000 | 86.473 | 0.61167 | 0.00000 | 319202.6 | 86657.6 | 183122.1 | S |
| 23.600 | 0.1700 | 0.0000 | 86.472 | 0.61110 | 0.00000 | 319207.7 | 86675.9 | 183122.1 | S |
| 23.608 | 0.1700 | 0.0000 | 86.472 | 0.61053 | 0.00000 | 319212.8 | 86694.3 | 183122.1 | S |
| 23.617 | 0.1700 | 0.0000 | 86.471 | 0.60997 | 0.00000 | 319217.9 | 86712.6 | 183122.1 | S |
| 23.625 | 0.1700 | 0.0000 | 86.470 | 0.60941 | 0.00000 | 319223.0 | 86730.9 | 183122.1 | S |
| 23.633 | 0.1700 | 0.0000 | 86.469 | 0.60886 | 0.00000 | 319228.1 | 86749.1 | 183122.1 | S |
| 23.642 | 0.1699 | 0.0000 | 86.469 | 0.60830 | 0.00000 | 319233.2 | 86767.4 | 183122.1 | S |
| 23.650 | 0.1699 | 0.0000 | 86.468 | 0.60775 | 0.00000 | 319238.3 | 86785.6 | 183122.1 | S |
| 23.658 | 0.1699 | 0.0000 | 86.467 | 0.60720 | 0.00000 | 319243.4 | 86803.9 | 183122.1 | S |
| 23.667 | 0.1699 | 0.0000 | 86.466 | 0.60666 | 0.00000 | 319248.5 | 86822.1 | 183122.1 | S |
| 23.675 | 0.1699 | 0.0000 | 86.466 | 0.60611 | 0.00000 | 319253.6 | 86840.3 | 183122.1 | S |
| 23.683 | 0.1699 | 0.0000 | 86.465 | 0.60557 | 0.00000 | 319258.7 | 86858.4 | 183122.1 | S |
| 23.692 | 0.1699 | 0.0000 | 86.464 | 0.60503 | 0.00000 | 319263.8 | 86876.6 | 183122.1 | S |
| 23.700 | 0.1699 | 0.0000 | 86.463 | 0.60449 | 0.00000 | 319268.9 | 86894.7 | 183122.1 | S |
| 23.708 | 0.1699 | 0.0000 | 86.463 | 0.60396 | 0.00000 | 319274.0 | 86912.9 | 183122.1 | S |
| 23.717 | 0.1699 | 0.0000 | 86.462 | 0.60343 | 0.00000 | 319279.1 | 86931.0 | 183122.1 | S |
| 23.725 | 0.1699 | 0.0000 | 86.461 | 0.60290 | 0.00000 | 319284.2 | 86949.1 | 183122.1 | S |
| 23.733 | 0.1699 | 0.0000 | 86.461 | 0.60237 | 0.00000 | 319289.3 | 86967.1 | 183122.1 | S |
| 23.742 | 0.1699 | 0.0000 | 86.460 | 0.60184 | 0.00000 | 319294.4 | 86985.2 | 183122.1 | S |
| 23.750 | 0.1699 | 0.0000 | 86.459 | 0.60132 | 0.00000 | 319299.5 | 87003.3 | 183122.1 | S |
| 23.758 | 0.1699 | 0.0000 | 86.458 | 0.60079 | 0.00000 | 319304.6 | 87021.3 | 183122.1 | S |
| 23.767 | 0.1699 | 0.0000 | 86.458 | 0.60027 | 0.00000 | 319309.7 | 87039.3 | 183122.1 | S |
| 23.775 | 0.1699 | 0.0000 | 86.457 | 0.59975 | 0.00000 | 319314.8 | 87057.3 | 183122.1 | S |
| 23.783 | 0.1699 | 0.0000 | 86.456 | 0.59924 | 0.00000 | 319319.8 | 87075.3 | 183122.1 | S |
| 23.792 | 0.1699 | 0.0000 | 86.455 | 0.59872 | 0.00000 | 319324.9 | 87093.3 | 183122.1 | S |
| 23.800 | 0.1699 | 0.0000 | 86.455 | 0.59821 | 0.00000 | 319330.0 | 87111.2 | 183122.1 | S |
| 23.808 | 0.1699 | 0.0000 | 86.454 | 0.59770 | 0.00000 | 319335.2 | 87129.1 | 183122.1 | S |
| 23.817 | 0.1699 | 0.0000 | 86.453 | 0.59719 | 0.00000 | 319340.3 | 87147.1 | 183122.1 | S |
| 23.825 | 0.1699 | 0.0000 | 86.453 | 0.59668 | 0.00000 | 319345.3 | 87165.0 | 183122.1 | S |
| 23.833 | 0.1699 | 0.0000 | 86.452 | 0.59617 | 0.00000 | 319350.4 | 87182.9 | 183122.1 | S |
| 23.842 | 0.1699 | 0.0000 | 86.451 | 0.59567 | 0.00000 | 319355.5 | 87200.7 | 183122.1 | S |
| 23.850 | 0.1699 | 0.0000 | 86.450 | 0.59517 | 0.00000 | 319360.6 | 87218.6 | 183122.1 | S |
| 23.858 | 0.1699 | 0.0000 | 86.450 | 0.59467 | 0.00000 | 319365.7 | 87236.5 | 183122.1 | S |
| 23.867 | 0.1699 | 0.0000 | 86.449 | 0.59417 | 0.00000 | 319370.8 | 87254.3 | 183122.1 | S |
| 23.875 | 0.1699 | 0.0000 | 86.448 | 0.59367 | 0.00000 | 319375.9 | 87272.1 | 183122.1 | S |
| 23.883 | 0.1699 | 0.0000 | 86.448 | 0.59317 | 0.00000 | 319381.0 | 87289.9 | 183122.1 | S |
| 23.892 | 0.1699 | 0.0000 | 86.447 | 0.59268 | 0.00000 | 319386.1 | 87307.7 | 183122.1 | S |
| 23.900 | 0.1699 | 0.0000 | 86.446 | 0.59219 | 0.00000 | 319391.2 | 87325.5 | 183122.1 | S |
| 23.908 | 0.1699 | 0.0000 | 86.445 | 0.59170 | 0.00000 | 319396.3 | 87343.2 | 183122.1 | S |
| 23.917 | 0.1699 | 0.0000 | 86.445 | 0.59121 | 0.00000 | 319401.4 | 87361.0 | 183122.1 | S |
| 23.925 | 0.1699 | 0.0000 | 86.444 | 0.59072 | 0.00000 | 319406.5 | 87378.7 | 183122.1 | S |
| 23.933 | 0.1699 | 0.0000 | 86.443 | 0.59023 | 0.00000 | 319411.6 | 87396.4 | 183122.1 | S |
| 23.942 | 0.1699 | 0.0000 | 86.443 | 0.58975 | 0.00000 | 319416.7 | 87414.1 | 183122.1 | S |
| 23.950 | 0.1699 | 0.0000 | 86.442 | 0.58926 | 0.00000 | 319421.8 | 87431.8 | 183122.7 | S |
| 23.958 | 0.1699 | 0.0000 | 86.441 | 0.58878 | 0.00000 | 319426.9 | 87449.5 | 183122.1 | S |
| 23.967 | 0.1699 | 0.0000 | 86.440 | 0.58830 | 0.00000 | 319432.0 | 87467.1 | 183122.1 | S |
| 23.975 | 0.1699 | 0.0000 | 86.440 | 0.58782 | 0.00000 | 319437.1 | 87484.8 | 183122.1 | S |
| 23.983 | 0.1699 | 0.0000 | 86.439 | 0.58735 | 0.00000 | 319442.2 | 87502.4 | 183122.1 | S |
| 23.992 | 0.1699 | 0.0000 | 86.438 | 0.58687 | 0.00000 | 319447.3 | 87520.0 | 183122.1 | S |
| 24.000 | 0.1699 | 0.0000 | 86.438 | 0.58639 | 0.00000 | 319452.3 | 87537.6 | 183122.1 | S |
| 24.008 | 0.1697 | 0.0000 | 86.437 | 0.58592 | 0.00000 | 319457.4 | 87555.2 | 183122.1 | S |
| 24.017 | 0.1690 | 0.0000 | 86.436 | 0.58544 | 0.00000 | 319462.5 | 87572.8 | 183122.1 | S |
| 24.025 | 0.1679 | 0.0000 | 86.436 | 0.58496 | 0.00000 | 319467.6 | 87590.3 | 183122.1 | S |
| 24.033 | 0.1661 | 0.0000 | 86.435 | 0.58448 | 0.00000 | 319472.6 | 87607.9 | 183122.1 | S |
| 24.042 | 0.1634 | 0.0000 | 86.434 | 0.58399 | 0.00000 | 319477.5 | 87625.4 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (f/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( fl $^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 24.050 | 0.1597 | 0.0000 | 86.433 | 0.58349 | 0.00000 | 319482.4 | 87642.9 | 183122.1 | S |
| 24.058 | 0.1547 | 0.0000 | 86.433 | 0.58297 | 0.00000 | 319487.1 | 87660.4 | 183122.1 | S |
| 24.067 | 0.1484 | 0.0000 | 86.432 | 0.58243 | 0.00000 | 319491.7 | 87677.9 | 183122.1 | S |
| 24.075 | 0.1410 | 0.0000 | 86.431 | 0.58187 | 0.00000 | 319496.0 | 87695.3 | 183122.1 | S |
| 24.083 | 0.1327 | 0.0000 | 86.430 | 0.58130 | 0.00000 | 319500.1 | 87712.8 | 183122.1 | S |
| 24.092 | 0.1237 | 0.0000 | 86.430 | 0.58069 | 0.00000 | 319503.9 | 87730.2 | 183122.1 | S |
| 24.100 | 0.1142 | 0.0000 | 86.429 | 0.58007 | 0.00000 | 319507.5 | 87747.6 | 183122.1 | S |
| 24.108 | 0.1047 | 0.0000 | 86.428 | 0.57943 | 0.00000 | 319510.8 | 87765.0 | 183122.1 | S |
| 24.117 | 0.0952 | 0.0000 | 86.427 | 0.57876 | 0.00000 | 319513.8 | 87782.4 | 183122.1 | S |
| 24.125 | 0.0859 | 0.0000 | 86.426 | 0.57809 | 0.00000 | 319516.5 | 87799.8 | 183122.1 | S |
| 24.133 | 0.0770 | 0.0000 | 86.426 | 0.57739 | 0.00000 | 319518.9 | 87817.1 | 183122.1 | 5 |
| 24.142 | 0.0687 | 0.0000 | 86.425 | 0.57669 | 0.00000 | 319521.1 | 87834.4 | 183122.1 | 5 |
| 24.150 | 0.0609 | 0.0000 | 86.424 | 0.57598 | 0.00000 | 319523.1 | 87851.7 | 183122.1 | S |
| 24.158 | 0.0537 | 0.0000 | 86.423 | 0.57527 | 0.00000 | 319524.8 | 87869.0 | 183122.1 | S |
| 24.167 | 0.0472 | 0.0000 | 86.422 | 0.57455 | 0.00000 | 319526.3 | 87886.2 | 183122.1 | S |
| 24.175 | 0.0415 | 0.0000 | 86.421 | 0.57383 | 0.00000 | 319527.6 | 87903.4 | 183122.1 | 5 |
| 24.183 | 0.0367 | 0.0000 | 86.420 | 0.57312 | 0.00000 | 319528.8 | 87920.6 | 183122.1 | S |
| 24.192 | 0.0325 | 0.0000 | 86.419 | 0.57241 | 0.00000 | 319529.8 | 87937.8 | 183122.1 | S |
| 24.200 | 0.0287 | 0.0000 | 86.419 | 0.57170 | 0.00000 | 319530.8 | 87955.0 | 183122.1 | S |
| 24.208 | 0.0255 | 0.0000 | 86.418 | 0.57100 | 0.00000 | 319531.6 | 87972.1 | 183122.1 | S |
| 24.217 | 0.0225 | 0.0000 | 86.417 | 0.57031 | 0.00000 | 319532.3 | 87989.2 | 183122.1 | S |
| 24.225 | 0.0200 | 0.0000 | 86.416 | 0.56962 | 0.00000 | 319532.9 | 88006.3 | 183122.1 | S |
| 24.233 | 0.0176 | 0.0000 | 86.415 | 0.56895 | 0.00000 | 319533.5 | 88023.4 | 183122.1 | S |
| 24.242 | 0.0156 | 0.0000 | 86.414 | 0.56827 | 0.00000 | 319534.0 | 88040.5 | 183122.1 | 5 |
| 24.250 | 0.0138 | 0.0000 | 86.413 | 0.56761 | 0.00000 | 319534.4 | 88057.5 | 183122.1 | 5 |
| 24.258 | 0.0121 | 0.0000 | 86.412 | 0.56695 | 0.00000 | 319534.8 | 88074.5 | 183122.1 | 5 |
| 24.267 | 0.0107 | 0.0000 | 86.411 | 0.56630 | 0.00000 | 319535.2 | 88091.5 | 183122.1 | S |
| 24.275 | 0.0095 | 0.0000 | 86.410 | 0.56565 | 0.00000 | 319535.5 | 88108.5 | 183122.1 | S |
| 24.283 | 0.0084 | 0.0000 | 86.409 | 0.56501 | 0.00000 | 319535.8 | 88125.5 | 183122.1 | 5 |
| 24.292 | 0.0074 | 0.0000 | 86.408 | 0.56438 | 0.00000 | 319536.0 | 88142.4 | 183122.1 | S |
| 24.300 | 0.0065 | 0.0000 | 86.407 | 0.56375 | 0.00000 | 319536.2 | 88159.3 | 183122.1 | S |
| 24.308 | 0.0057 | 0.0000 | 86.406 | 0.56313 | 0.00000 | 319536.4 | 88176.2 | 183122.1 | S |
| 24.317 | 0.0050 | 0.0000 | 86.405 | 0.56252 | 0.00000 | 319536.5 | 88193.1 | 183122.1 | S |
| 24.325 | 0.0044 | 0.0000 | 86.404 | 0.56191 | 0.00000 | 319536.7 | 88210.0 | 183122.1 | S |
| 24.333 | 0.0039 | 0.0000 | 86.403 | 0.56130 | 0.00000 | 319536.8 | 88226.8 | 183122.1 | S |
| 24.342 | 0.0034 | 0.0000 | 86.403 | 0.56070 | 0.00000 | 319536.9 | 88243.7 | 183122.1 | S |
| 24.350 | 0.0030 | 0.0000 | 86.402 | 0.56011 | 0.00000 | 319537.0 | 88260.5 | 183122.1 | S |
| 24.358 | 0.0027 | 0.0000 | 86.401 | 0.55952 | 0.00000 | 319537.1 | 88277.3 | 183122.1 | S |
| 24.367 | 0.0023 | 0.0000 | 86.400 | 0.55893 | 0.00000 | 319537.2 | 88294.1 | 183122.1 | S |
| 24.375 | 0.0020 | 0.0000 | 86.399 | 0.55835 | 0.00000 | 319537.2 | 88310.8 | 183122.1 | S |
| 24.383 | 0.0018 | 0.0000 | 86.398 | 0.55777 | 0.00000 | 319537.3 | 88327.6 | 183122.7 | S |
| 24.392 | 0.0016 | 0.0000 | 86.397 | 0.55720 | 0.00000 | 319537.3 | 88344.3 | 183122.1 | S |
| 24.400 | 0.0014 | 0.0000 | 86.396 | 0.55663 | 0.00000 | 319537.4 | 88361.0 | 183122.1 | S |
| 24.408 | 0.0012 | 0.0000 | 86.395 | 0.55607 | 0.00000 | 319537.4 | 88377.7 | 183122.1 | S |
| 24.417 | 0.0010 | 0.0000 | 86.394 | 0.55551 | 0.00000 | 319537.5 | 88394.3 | 183122.1 | S |
| 24.425 | 0.0009 | 0.0000 | 86.393 | 0.55495 | 0.00000 | 319537.5 | 88411.0 | 183122.1 | S |
| 24.433 | 0.0008 | 0.0000 | 86.392 | 0.55439 | 0.00000 | 319537.5 | 88427.6 | 183122.1 | S |
| 24.442 | 0.0006 | 0.0000 | 86.391 | 0.55384 | 0.00000 | 319537.5 | 88444.3 | 183122.1 | S |
| 24.450 | 0.0006 | 0.0000 | 86.390 | 0.55329 | 0.00000 | 319537.6 | 88460.9 | 183122.1 | S |
| 24.458 | 0.0005 | 0.0000 | 86.389 | 0.55275 | 0.00000 | 319537.6 | 88477.5 | 183122.1 | S |
| 24.467 | 0.0004 | 0.0000 | 86.388 | 0.55220 | 0.00000 | 319537.6 | 88494.0 | 183122.1 | S |
| 24.475 | 0.0003 | 0.0000 | 86.387 | 0.55167 | 0.00000 | 319537.6 | 88510.6 | 183122.1 | S |
| 24.483 | 0.0002 | 0.0000 | 86.386 | 0.55113 | 0.00000 | 319537.6 | 88527.1 | 183122.1 | S |
| 24.492 | 0.0002 | 0.0000 | 86.386 | 0.55059 | 0.00000 | 319537.6 | 88543.7 | 183122.1 | S |
| 24.500 | 0.0001 | 0.0000 | 86.385 | 0.55006 | 0.00000 | 319537.6 | 88560.2 | 183122.1 | S |
| 24.508 | 0.0001 | 0.0000 | 86.384 | 0.54954 | 0.00000 | 319537.6 | 88576.7 | 183122.1 | 5 |
| 24.517 | 0.0001 | 0.0000 | 86.383 | 0.54901 | 0.00000 | 319537.6 | 88593.1 | 183122.1 | 5 |
| 24.525 | 0.0000 | 0.0000 | 86.382 | 0.54849 | 0.00000 | 319537.6 | 88609.6 | 183122.1 | S |
| 24.533 | 0.0000 | 0.0000 | 86.381 | 0.54796 | 0.00000 | 319537.6 | 88626.1 | 183122.1 | S |
| 24.542 | 0.0000 | 0.0000 | 86.380 | 0.54744 | 0.00000 | 319537.6 | 88642.5 | 183122.1 | S |
| 24.550 | 0.0000 | 0.0000 | 86.379 | 0.54693 | 0.00000 | 319537.6 | 88658.9 | 183122.1 | S |
| 24.558 | 0.0000 | 0.0000 | 86.378 | 0.54641 | 0.00000 | 319537.6 | 88675.3 | 183122.1 | S |
| 24.567 | 0.0000 | 0.0000 | 86.377 | 0.54590 | 0.00000 | 319537.6 | 88691.7 | 183122.1 | 5 |
| 24.575 | 0.0000 | 0.0000 | 86.376 | 0.54539 | 0.00000 | 319537.6 | 88708.1 | 183122.1 | S |
| 24.583 | 0.0000 | 0.0000 | 86.375 | 0.54488 | 0.00000 | 319537.6 | 88724.4 | 183122.1 | 5 |
| 24.592 | 0.0000 | 0.0000 | 86.374 | 0.54438 | 0.00000 | 319537.6 | 88740.7 | \$83122.1 | S |
| 24.600 | 0.0000 | 0.0000 | 86.373 | 0.54387 | 0.00000 | 319537.6 | 88757.1 | 183122.1 | S |
| 24.608 | 0.0000 | 0.0000 | 86.372 | 0.54337 | 0.00000 | 319537.6 | 88773.4 | 183122.1 | S |
| 24.617 | 0.0000 | 0.0000 | 86.372 | 0.54287 | 0.00000 | 319537.6 | 88789.7 | 183122.1 | 5 |
| 24.625 | 0.0000 | 0.0000 | 86.371 | 0.54237 | 0.00000 | 319537.6 | 88806.0 | 183122.1 | S |
| 24.633 | 0.0000 | 0.0000 | 86.370 | 0.54188 | 0.00000 | 319537.6 | 88822.2 | 183122.1 | S |
| 24.642 | 0.0000 | 0.0000 | 86.369 | 0.54138 | 0.00000 | 319537.6 | 88838.5 | 183122.1 | S |
| 24.650 | 0.0000 | 0.0000 | 86.368 | 0.54089 | 0.00000 | 319537.6 | 88854.7 | 183122.1 | S |
| 24.658 | 0.0000 | 0.0000 | 86.367 | 0.54040 | 0.00000 | 319537.6 | 88870.9 | 183122.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}{ }^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation ( 1 datum) | Infitration Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{t}^{3}$ ) | Cumulative Infilitration Volume (fis) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 24.667 | 0.0000 | 0.0000 | 86.366 | 0.53991 | 0.00000 | 319537.6 | 88887.1 | 183122.1 | S |
| 24.675 | 0.0000 | 0.0000 | 86.365 | 0.53942 | 0.00000 | 319537.6 | 88903.3 | 183122.1 | S |
| 24.683 | 0.0000 | 0.0000 | 86.364 | 0.53894 | 0.00000 | 319537.6 | 88919.5 | 183122.1 | S |
| 24.692 | 0.0000 | 0.0000 | 86.363 | 0.53845 | 0.00000 | 319537.6 | 88935.7 | 183122.1 | S |
| 24.700 | 0.0000 | 0.0000 | 86.362 | 0.53797 | 0.00000 | 319537.6 | 88951.8 | 183122.1 | S |
| 24.708 | 0.0000 | 0.0000 | 86.361 | 0.53749 | 0.00000 | 319537.6 | 88967.9 | 183122.1 | S |
| 24.717 | 0.0000 | 0.0000 | 86.360 | 0.53701 | 0.00000 | 319537.6 | 88984.0 | 183122.1 | S |
| 24.725 | 0.0000 | 0.0000 | 86.360 | 0.53653 | 0.00000 | 319537.6 | 89000.2 | 183122.1 | S |
| 24.733 | 0.0000 | 0.0000 | 86.359 | 0.53606 | 0.00000 | 319537.6 | 89016.2 | 183122.1 | S |
| 24.742 | 0.0000 | 0.0000 | 86.358 | 0.53558 | 0.00000 | 319537.6 | 89032.3 | 183122.1 | S |
| 24.750 | 0.0000 | 0.0000 | 86.357 | 0.53511 | 0.00000 | 319537.6 | 89048.4 | 183122.1 | S |
| 24.758 | 0.0000 | 0.0000 | 86.356 | 0.53464 | 0.00000 | 318537.6 | 89064.4 | 183122.1 | S |
| 24.767 | 0.0000 | 0.0000 | 86.355 | 0.53417 | 0.00000 | 319537.6 | 89080.5 | 183122.1 | S |
| 24.775 | 0.0000 | 0.0000 | 86.354 | 0.53370 | 0.00000 | 319537.6 | 89096.5 | 183122.1 | S |
| 24.783 | 0.0000 | 0.0000 | 86.353 | 0.53323 | 0.00000 | 319537.6 | 89112.5 | 183122.1 | S |
| 24.792 | 0.0000 | 0.0000 | 86.352 | 0.53276 | 0.00000 | 319537.6 | 89128.5 | 183122.1 | S |
| 24.800 | 0.0000 | 0.0000 | 86.351 | 0.53230 | 0.00000 | 319537.6 | 89144.4 | 183122.1 | S |
| 24.808 | 0.0000 | 0.0000 | 86.350 | 0.53184 | 0.00000 | 319537.6 | 89160.4 | 183122.1 | S |
| 24.817 | 0.0000 | 0.0000 | 86.349 | 0.53137 | 0.00000 | 319537.6 | 89176.3 | 183122.1 | S |
| 24.825 | 0.0000 | 0.0000 | 86.349 | 0.53091 | 0.00000 | 319537.6 | 89192.3 | 183122.1 | S |
| 24.833 | 0.0000 | 0.0000 | 86.348 | 0.53045 | 0.00000 | 319537.6 | 89208.2 | 183122.1 | S |
| 24.842 | 0.0000 | 0.0000 | 86.347 | 0.52999 | 0.00000 | 319537.6 | 89224.1 | 183122.1 | S |
| 24.850 | 0.0000 | 0.0000 | 86.346 | 0.52954 | 0.00000 | 319537.6 | 89240.0 | 183122.1 | S |
| 24.858 | 0.0000 | 0.0000 | 86.345 | 0.52908 | 0.00000 | 319537.6 | 89255.9 | 183122.1 | S |
| 24.867 | 0.0000 | 0.0000 | 86.344 | 0.52863 | 0.00000 | 319537.6 | 89271.7 | 183122.1 | S |
| 24.875 | 0.0000 | 0.0000 | 86.343 | 0.52817 | 0.00000 | 319537.6 | 89287.6 | 183122.1 | S |
| 24.883 | 0.0000 | 0.0000 | 86.342 | 0.52772 | 0.00000 | 319537.6 | 89303.4 | 183122.1 | S |
| 24.892 | 0.0000 | 0.0000 | 86.341 | 0.52727 | 0.00000 | 319537.6 | 89319.3 | 183122.1 | S |
| 24.900 | 0.0000 | 0.0000 | 86.340 | 0.52682 | 0.00000 | 319537.6 | 89335.1 | 183122.1 | S |
| 24.908 | 0.0000 | 0.0000 | 86.339 | 0.52637 | 0.00000 | 319537.6 | 89350.9 | 183122.1 | S |
| 24.917 | 0.0000 | 0.0000 | 86.339 | 0.52593 | 0.00000 | 319537.6 | 89366.7 | 183122.1 | S |
| 24.925 | 0.0000 | 0.0000 | 86.338 | 0.52548 | 0.00000 | 319537.6 | 89382.4 | 183122.1 | S |
| 24.933 | 0.0000 | 0.0000 | 86.337 | 0.52504 | 0.00000 | 319537.6 | 89398.2 | 183122.1 | S |
| 24.942 | 0.0000 | 0.0000 | 86.336 | 0.52459 | 0.00000 | 319537.6 | 89413.9 | 183122.1 | S |
| 24.950 | 0.0000 | 0.0000 | 86.335 | 0.52415 | 0.00000 | 319537.6 | 89429.7 | 183122.1 | S |
| 24.958 | 0.0000 | 0.0000 | 86.334 | 0.52371 | 0.00000 | 319537.6 | 89445.4 | 183122.1 | S |
| 24.967 | 0.0000 | 0.0000 | 86.333 | 0.52327 | 0.00000 | 319537.6 | 89461.1 | 183122.1 | S |
| 24.975 | 0.0000 | 0.0000 | 86.332 | 0.52283 | 0.00000 | 319537.6 | 89476.8 | 183122.1 | S |
| 24.983 | 0.0000 | 0.0000 | 86.331 | 0.52239 | 0.00000 | 319537.6 | 89492.5 | 183122.1 | S |
| 24.992 | 0.0000 | 0.0000 | 86.330 | 0.52195 | 0.00000 | 319537.6 | 89508.1 | 183122.1 | S |
| 25.000 | 0.0000 | 0.0000 | 86.330 | 0.52152 | 0.00000 | 319537.6 | 89523.8 | 183122.1 | S |
| 25.008 | 0.0000 | 0.0000 | 86.329 | 0.52108 | 0.00000 | 319537.6 | 89539.4 | 183122.1 | S |
| 25.017 | 0.0000 | 0.0000 | 86.328 | 0.52065 | 0.00000 | 319537.6 | 89555.0 | 183122.1 | S |
| 25.025 | 0.0000 | 0.0000 | 86.327 | 0.52022 | 0.00000 | 319537.6 | 89570.6 | 183122.1 | S |
| 25.033 | 0.0000 | 0.0000 | 86.326 | 0.51979 | 0.00000 | 319537.6 | 89586.2 | 183122.1 | S |
| 25.042 | 0.0000 | 0.0000 | 86.325 | 0.51935 | 0.00000 | 319537.6 | 89601.8 | \$83122.1 | S |
| 25.050 | 0.0000 | 0.0000 | 86.324 | 0.51893 | 0.00000 | 319537.6 | 89617.4 | 183122.1 | S |
| 25.058 | 0.0000 | 0.0000 | 86.323 | 0.51850 | 0.00000 | 319537.6 | 89633.0 | 183122.1 | S |
| 25.067 | 0.0000 | 0.0000 | 86.322 | 0.51807 | 0.00000 | 319537.6 | 89648.5 | 183122.1 | S |
| 25.075 | 0.0000 | 0.0000 | 86.321 | 0.51764 | 0.00000 | 319537.6 | 89664.1 | 183122.1 | S |
| 25.083 | 0.0000 | 0.0000 | 86.321 | 0.51722 | 0.00000 | 319537.6 | 89679.6 | 183122.1 | S |
| 25.092 | 0.0000 | 0.0000 | 86.320 | 0.51679 | 0.00000 | 319537.6 | 89695.1 | 183122.1 | S |
| 25.100 | 0.0000 | 0.0000 | 86.319 | 0.51637 | 0.00000 | 319537.6 | 89710.6 | 183122.1 | S |
| 25.108 | 0.0000 | 0.0000 | 86.318 | 0.51595 | 0.00000 | 319537.6 | 89726.1 | 183122.1 | S |
| 25.117 | 0.0000 | 0.0000 | 86.317 | 0.51553 | 0.00000 | 319537.6 | 89741.5 | 183122.1 | S |
| 25.125 | 0.0000 | 0.0000 | 86.316 | 0.51511 | 0.00000 | 319537.6 | 89757.0 | 183122.1 | S |
| 25.133 | 0.0000 | 0.0000 | 86.315 | 0.51469 | 0.00000 | 319537.6 | 89772.5 | 183122.1 | S |
| 25.142 | 0.0000 | 0.0000 | 86.314 | 0.51427 | 0.00000 | 319537.6 | 89787.9 | 183122.1 | S |
| 25.150 | 0.0000 | 0.0000 | 86.313 | 0.51385 | 0.00000 | 319537.6 | 89803.3 | 183122.1 | S |
| 25.158 | 0.0000 | 0.0000 | 86.313 | 0.51343 | 0.00000 | 319537.6 | 89818.7 | 183122.1 | S |
| 25.167 | 0.0000 | 0.0000 | 86.312 | 0.51302 | 0.00000 | 319537.6 | 89834.1 | 183122.1 | S |
| 25.175 | 0.0000 | 0.0000 | 86.311 | 0.51260 | 0.00000 | 319537.6 | 89849.5 | 183122.1 | S |
| 25.183 | 0.0000 | 0.0000 | 86.310 | 0.51219 | 0.00000 | 319537.6 | 89864.9 | 183122.1 | S |
| 25.192 | 0.0000 | 0.0000 | 86.309 | 0.51178 | 0.00000 | 319537.6 | 89880.2 | 183122.1 | S |
| 25.200 | 0.0000 | 0.0000 | 86.308 | 0.51137 | 0.00000 | 319537.6 | 89895.6 | 183122.1 | S |
| 25.208 | 0.0000 | 0.0000 | 86.307 | 0.51095 | 0.00000 | 319537.6 | 89910.9 | 183122.1 | S |
| 25.217 | 0.0000 | 0.0000 | 86.306 | 0.51054 | 0.00000 | 319537.6 | 89926.2 | 183122.1 | S |
| 25.225 | 0.0000 | 0.0000 | 86.305 | 0.51013 | 0.00000 | 319537.6 | 89941.5 | 183122.1 | S |
| 25.233 | 0.0000 | 0.0000 | 86.305 | 0.50973 | 0.00000 | 319537.6 | 89956.8 | 183122.1 | S |
| 25.242 | 0.0000 | 0.0000 | 86.304 | 0.50932 | 0.00000 | 319537.6 | 89972.1 | 183122.1 | S |
| 25.250 | 0.0000 | 0.0000 | 86.303 | 0.50891 | 0.00000 | 319537.6 | 89987.4 | 183122.1 | S |
| 25.258 | 0.0000 | 0.0000 | 86.302 | 0.50851 | 0.00000 | 319537.6 | 90002.7 | 183122.1 | S |
| 25.267 | 0.0000 | 0.0000 | 86.301 | 0.50810 | 0.00000 | 319537.6 | 90017.9 | 183122.1 | S |
| 25.275 | 0.0000 | 0.0000 | 86.300 | 0.50770 | 0.00000 | 319537.6 | 90033.1 | 183122.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (It/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{t}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 25.283 | 0.0000 | 0.0000 | 86.299 | 0.50730 | 0.00000 | 319537.6 | 90048.4 | 183122.1 | S |
| 25.292 | 0.0000 | 0.0000 | 86.298 | 0.50689 | 0.00000 | 319537.6 | 90063.6 | 183122.1 | S |
| 25.300 | 0.0000 | 0.0000 | 86.298 | 0.50649 | 0.00000 | 319537.6 | 90078.8 | 183122.1 | S |
| 25.308 | 0.0000 | 0.0000 | 86.297 | 0.50609 | 0.00000 | 319537.6 | 90094.0 | 183122.1 | S |
| 25.317 | 0.0000 | 0.0000 | 86.296 | 0.50569 | 0.00000 | 319537.6 | 90109.2 | 183122.1 | S |
| 25.325 | 0.0000 | 0.0000 | 86.295 | 0.50529 | 0.00000 | 319537.6 | 90124.3 | 183122.1 | S |
| 25.333 | 0.0000 | 0.0000 | 86.294 | 0.50490 | 0.00000 | 319537.6 | 90139.5 | 183122.1 | S |
| 25.342 | 0.0000 | 0.0000 | 86.293 | 0.50450 | 0.00000 | 319537.6 | 90154.6 | 183122.1 | S |
| 25.350 | 0.0000 | 0.0000 | 86.292 | 0.50410 | 0.00000 | 319537.6 | 90169.7 | 183122.1 | S |
| 25.358 | 0.0000 | 0.0000 | 86.291 | 0.50371 | 0.00000 | 319537.6 | 90184.9 | 183122.1 | S |
| 25.367 | 0.0000 | 0.0000 | 86.291 | 0.50331 | 0.00000 | 319537.6 | 90200.0 | 183122.1 | S |
| 25.375 | 0.0000 | 0.0000 | 86.290 | 0.50292 | 0.00000 | 319537.6 | 90215.1 | 183122.1 | S |
| 25.383 | 0.0000 | 0.0000 | 86.289 | 0.50252 | 0.00000 | 319537.6 | 90230.1 | 183122.1 | S |
| 25.392 | 0.0000 | 0.0000 | 86.288 | 0.50213 | 0.00000 | 319537.6 | 90245.2 | 183122.1 | S |
| 25.400 | 0.0000 | 0.0000 | 86.287 | 0.50174 | 0.00000 | 319537.6 | 90260.3 | 183122.1 | S |
| 25.408 | 0.0000 | 0.0000 | 86.286 | 0.50135 | 0.00000 | 319537.6 | 90275.3 | 183122.1 | S |
| 25.417 | 0.0000 | 0.0000 | 86.285 | 0.50096 | 0.00000 | 319537.6 | 90290.3 | 183122.1 | S |
| 25.425 | 0.0000 | 0.0000 | 86.284 | 0.50057 | 0.00000 | 319537.6 | 90305.4 | 183122.1 | S |
| 25.433 | 0.0000 | 0.0000 | 86.284 | 0.50018 | 0.00000 | 319537.6 | 90320.4 | 183122.1 | S |
| 25.442 | 0.0000 | 0.0000 | 86.283 | 0.49980 | 0.00000 | 319537.6 | 90335.4 | 183122.1 | S |
| 25.450 | 0.0000 | 0.0000 | 86.282 | 0.49941 | 0.00000 | 319537.6 | 90350.4 | 183122.1 | S |
| 25.458 | 0.0000 | 0.0000 | 86.281 | 0.49902 | 0.00000 | 319537.6 | 90365.3 | 183122.1 | S |
| 25.467 | 0.0000 | 0.0000 | 86.280 | 0.49864 | 0.00000 | 319537.6 | 90380.3 | 183122.1 | S |
| 25.475 | 0.0000 | 0.0000 | 86.279 | 0.49825 | 0.00000 | 319537.6 | 90395.3 | 183122.1 | S |
| 25.483 | 0.0000 | 0.0000 | 86.278 | 0.49787 | 0.00000 | 319537.6 | 90410.2 | 183122.1 | S |
| 25.492 | 0.0000 | 0.0000 | 86.278 | 0.49749 | 0.00000 | 319537.6 | 90425.1 | 183122.1 | S |
| 25.500 | 0.0000 | 0.0000 | 86.277 | 0.49711 | 0.00000 | 319537.6 | 90440.1 | 183122.1 | S |
| 25.508 | 0.0000 | 0.0000 | 86.276 | 0.49672 | 0.00000 | 319537.6 | 90455.0 | 183122.1 | S |
| 25.517 | 0.0000 | 0.0000 | 86.275 | 0.49634 | 0.00000 | 319537.6 | 90469.9 | 183122.1 | S |
| 25.525 | 0.0000 | 0.0000 | 86.274 | 0.49596 | 0.00000 | 319537.6 | 90484.7 | 183122.1 | S |
| 25.533 | 0.0000 | 0.0000 | 86.273 | 0.49559 | 0.00000 | 319537.6 | 90499.6 | 183122.1 | S |
| 25.542 | 0.0000 | 0.0000 | 86.272 | 0.49521 | 0.00000 | 319537.6 | 90514.5 | 183122.1 | S |
| 25.550 | 0.0000 | 0.0000 | 86.271 | 0.49483 | 0.00000 | 319537.6 | 90529.3 | 183122.1 | S |
| 25.558 | 0.0000 | 0.0000 | 86.271 | 0.49445 | 0.00000 | 319537.6 | 90544.2 | 183122.1 | S |
| 25.567 | 0.0000 | 0.0000 | 86.270 | 0.49408 | 0.00000 | 319537.6 | 90559.0 | 183122.1 | S |
| 25.575 | 0.0000 | 0.0000 | 86.269 | 0.49370 | 0.00000 | 319537.6 | 90573.8 | 183122.1 | S |
| 25.583 | 0.0000 | 0.0000 | 86.268 | 0.49333 | 0.00000 | 319537.6 | 90588.6 | 183122.1 | S |
| 25.592 | 0.0000 | 0.0000 | 86.267 | 0.49295 | 0.00000 | 319537.6 | 90603.4 | 183122.1 | S |
| 25,600 | 0.0000 | 0.0000 | 86.266 | 0.49258 | 0.00000 | 319537.6 | 90618.2 | 183122.1 | S |
| 25.608 | 0.0000 | 0.0000 | 86.265 | 0.49221 | 0.00000 | 319537.6 | 90633.0 | 183122.1 | S |
| 25.617 | 0.0000 | 0.0000 | 86.265 | 0.49183 | 0.00000 | 319537.6 | 90647.7 | 183122.1 | S |
| 25.625 | 0.0000 | 0.0000 | 86.264 | 0.49146 | 0.00000 | 319537.6 | 90662.5 | 183122.1 | S |
| 25.633 | 0.0000 | 0.0000 | 86.263 | 0.49109 | 0.00000 | 319537.6 | 90677.2 | 183122.1 | S |
| 25.642 | 0.0000 | 0.0000 | 86.262 | 0.49072 | 0.00000 | 319537.6 | 90691.9 | $183\{22.1$ | S |
| 25.650 | 0.0000 | 0.0000 | 86.261 | 0.49035 | 0.00000 | 319537.6 | 90706.7 | 183122.1 | S |
| 25.658 | 0.0000 | 0.0000 | 86.260 | 0.48999 | 0.00000 | 319537.6 | 90721.4 | 183122.1 | S |
| 25.667 | 0.0000 | 0.0000 | 86.259 | 0.48962 | 0.00000 | 319537.6 | 90736.1 | 183122.1 | S |
| 25.675 | 0.0000 | 0.0000 | 86.259 | 0.48925 | 0.00000 | 319537.6 | 90750.7 | 183122.1 | S |
| 25.683 | 0.0000 | 0.0000 | 86.258 | 0.48888 | 0.00000 | 319537.6 | 90765.4 | 183122.1 | S |
| 25.692 | 0.0000 | 0.0000 | 86.257 | 0.48852 | 0.00000 | 319537.6 | 90780.1 | 183122.1 | S |
| 25.700 | 0.0000 | 0.0000 | 86.256 | 0.48815 | 0.00000 | 319537.6 | 90794.7 | 183122.1 | S |
| 25.708 | 0.0000 | 0.0000 | 86.255 | 0.48779 | 0.00000 | 319537.6 | 90809.4 | 183122.1 | S |
| 25.717 | 0.0000 | 0.0000 | 86.254 | 0.48743 | 0.00000 | 319537.6 | 90824.0 | 183122.1 | S |
| 25.725 | 0.0000 | 0.0000 | 86.254 | 0.48706 | 0.00000 | 319537.6 | 90838.6 | 183122.1 | S |
| 25.733 | 0.0000 | 0.0000 | 86.253 | 0.48670 | 0.00000 | 319537.6 | 90853.2 | 183122.1 | S |
| 25.742 | 0.0000 | 0.0000 | 86.252 | 0.48634 | 0.00000 | 319537.6 | 90867.8 | 183122.1 | S |
| 25.750 | 0.0000 | 0.0000 | 86.251 | 0.48598 | 0.00000 | 319537.6 | 90882.4 | 183122.1 | S |
| 25.758 | 0.0000 | 0.0000 | 86.250 | 0.48562 | 0.00000 | 319537.6 | 90897.0 | 183122.1 | S |
| 25.767 | 0.0000 | 0.0000 | 86.249 | 0.48526 | 0.00000 | 319537.6 | 90911.5 | 183122.1 | S |
| 25.775 | 0.0000 | 0.0000 | 86.248 | 0.48490 | 0.00000 | 319537.6 | 90926.1 | 183122.1 | S |
| 25.783 | 0.0000 | 0.0000 | 86.248 | 0.48454 | 0.00000 | 319537.6 | 90940.6 | 183122.1 | S |
| 25.792 | 0.0000 | 0.0000 | 86.247 | 0.48418 | 0.00000 | 319537.6 | 90955.2 | 183122.1 | S |
| 25.800 | 0.0000 | 0.0000 | 86.246 | 0.48383 | 0.00000 | 319537.6 | 90969.7 | 183122.1 | S |
| 25.808 | 0.0000 | 0.0000 | 86.245 | 0.48347 | 0.00000 | 319537.6 | 90984.2 | 183122.1 | S |
| 25.817 | 0.0000 | 0.0000 | 86.244 | 0.48311 | 0.00000 | 319537.6 | 90998.7 | 183122.1 | S |
| 25.825 | 0.0000 | 0.0000 | 86.243 | 0.48276 | 0.00000 | 319537.6 | 91013.2 | 183122.1 | S |
| 25.833 | 0.0000 | 0.0000 | 86.242 | 0.48240 | 0.00000 | 319537.6 | 91027.6 | 183122.1 | S |
| 25.842 | 0.0000 | 0.0000 | 86.242 | 0.48205 | 0.00000 | 319537.6 | 91042.1 | 183122.1 | S |
| 25.850 | 0.0000 | 0.0000 | 86.241 | 0.48170 | 0.00000 | 319537.6 | 91056.6 | 183122.1 | S |
| 25.858 | 0.0000 | 0.0000 | 86.240 | 0.48135 | 0.00000 | 319537.6 | 91071.0 | 183122.1 | S |
| 25.867 | 0.0000 | 0.0000 | 86.239 | 0.48099 | 0.00000 | 319537.6 | 91085.5 | 183122.1 | S |
| 25.875 | 0.0000 | 0.0000 | 86.238 | 0.48064 | 0.00000 | 319537.6 | 91099.9 | 183122.1 | S |
| 25.883 | 0.0000 | 0.0000 | 86.237 | 0.48029 | 0.00000 | 319537.6 | 91114.3 | 183122.1 | S |
| 25.892 | 0.0000 | 0.0000 | 86.237 | 0.47994 | 0.00000 | 319537.6 | 91128.7 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | inflow <br> Rate <br> ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Outside Recharge (fidday) | Stage Elevation (11 datum) | Infilitration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{t}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 25.900 | 0.0000 | 0.0000 | 86.236 | 0.47959 | 0.00000 | 319537.6 | 91143.1 | 183122.1 | S |
| 25.908 | 0.0000 | 0.0000 | 86.235 | 0.47924 | 0.00000 | 319537.6 | 91157.5 | 183122.1 | S |
| 25.917 | 0.0000 | 0.0000 | 86.234 | 0.47889 | 0.00000 | 319537.6 | 91171.8 | 183122.1 | S |
| 25.925 | 0.0000 | 0.0000 | 86.233 | 0.47855 | 0.00000 | 319537.6 | 91186.2 | 183122.1 | S |
| 25.933 | 0.0000 | 0.0000 | 86.232 | 0.47820 | 0.00000 | 319537.6 | 91200.6 | 183122.1 | S |
| 25.942 | 0.0000 | 0.0000 | 86.232 | 0.47785 | 0.00000 | 319537.6 | 91214.9 | 183122.1 | S |
| 25.950 | 0.0000 | 0.0000 | 86.231 | 0.47751 | 0.00000 | 319537.6 | 91229.2 | 183122.1 | S |
| 25.958 | 0.0000 | 0.0000 | 86.230 | 0.47716 | 0.00000 | 319537.6 | 91243.5 | 183122.1 | S |
| 25.967 | 0.0000 | 0.0000 | 86.229 | 0.47682 | 0.00000 | 319537.6 | 91257.9 | 183122.1 | S |
| 25.975 | 0.0000 | 0.0000 | 86.228 | 0.47647 | 0.00000 | 319537.6 | 91272.2 | 183122.1 | S |
| 25.983 | 0.0000 | 0.0000 | 86.227 | 0.47613 | 0.00000 | 319537.6 | 91286.4 | 183122.1 | S |
| 25.992 | 0.0000 | 0.0000 | 86.227 | 0.47579 | 0.00000 | 319537.6 | 91300.7 | 183122.1 | S |
| 26.000 | 0.0000 | 0.0000 | 86.226 | 0.47544 | 0.00000 | 319537.6 | 91315.0 | 183122.1 | S |
| 26.008 | 0.0000 | 0.0000 | 86.225 | 0.47510 | 0.00000 | 319537.6 | 91329.2 | 183122.1 | S |
| 26.017 | 0.0000 | 0.0000 | 86.224 | 0.47476 | 0.00000 | 319537.6 | 91343.5 | 183122.1 | S |
| 26.025 | 0.0000 | 0.0000 | 86.223 | 0.47442 | 0.00000 | 319537.6 | 91357.7 | 183122.1 | S |
| 26.033 | 0.0000 | 0.0000 | 86.222 | 0.47408 | 0.00000 | 319537.6 | 91372.0 | 183122.1 | S |
| 26.042 | 0.0000 | 0.0000 | 86.222 | 0.47374 | 0.00000 | 319537.6 | 91386.2 | 183122.1 | S |
| 26.050 | 0.0000 | 0.0000 | 86.221 | 0.47340 | 0.00000 | 319537.6 | 91400.4 | 183122.1 | S |
| 26.058 | 0.0000 | 0.0000 | 86.220 | 0.47306 | 0.00000 | 319537.6 | 91414.6 | 183122.1 | S |
| 26.067 | 0.0000 | 0.0000 | 86.219 | 0.47273 | 0.00000 | 319537.6 | 91428.8 | 183122.1 | S |
| 26.075 | 0.0000 | 0.0000 | 86.218 | 0.47239 | 0.00000 | 319537.6 | 91443.0 | 183122.1 | S |
| 26.083 | 0.0000 | 0.0000 | 86.217 | 0.47205 | 0.00000 | 319537.6 | 91457.1 | 183122.1 | S |
| 26.092 | 0.0000 | 0.0000 | 86.217 | 0.47172 | 0.00000 | 319537.6 | 91471.3 | 183122.1 | S |
| 26.100 | 0.0000 | 0.0000 | 86.216 | 0.47138 | 0.00000 | 319537.6 | 91485.4 | 183122.1 | S |
| 26.108 | 0.0000 | 0.0000 | 86.215 | 0.47105 | 0.00000 | 319537.6 | 91499.6 | 183122.1 | S |
| 26.117 | 0.0000 | 0.0000 | 86.214 | 0.47071 | 0.00000 | 319537.6 | 91513.7 | 183122.1 | S |
| 26.125 | 0.0000 | 0.0000 | 86.213 | 0.47038 | 0.00000 | 319537.6 | 91527.8 | 183122.1 | 5 |
| 26.133 | 0.0000 | 0.0000 | 86.212 | 0.47005 | 0.00000 | 319537.6 | 91541.9 | 183122.1 | S |
| 26.142 | 0.0000 | 0.0000 | 86.212 | 0.46971 | 0.00000 | 319537.6 | 91556.0 | 183122.1 | S |
| 26.150 | 0.0000 | 0.0000 | 86.211 | 0.46938 | 0.00000 | 319537.6 | 91570.1 | 183122.1 | S |
| 26.158 | 0.0000 | 0.0000 | 86.210 | 0.46905 | 0.00000 | 319537.6 | 91584.2 | 183122.1 | S |
| 26.167 | 0.0000 | 0.0000 | 86.209 | 0.46872 | 0.00000 | 319537.6 | 91598.2 | 183122.1 | S |
| 26.175 | 0.0000 | 0.0000 | 86.208 | 0.46839 | 0.00000 | 319537.6 | 91612.3 | 183122.1 | S |
| 26.183 | 0.0000 | 0.0000 | 86.207 | 0.46806 | 0.00000 | 319537.6 | 91626.3 | 183122.1 | S |
| 26.192 | 0.0000 | 0.0000 | 86.207 | 0.46773 | 0.00000 | 319537.6 | 91640.4 | 183122.1 | S |
| 26.200 | 0.0000 | 0.0000 | 86.206 | 0.46740 | 0.00000 | 319537.6 | 91654.4 | 183122.1 | S |
| 26.208 | 0.0000 | 0.0000 | 86.205 | 0.46707 | 0.00000 | 319537.6 | 91668.4 | 183122.1 | S |
| 26.217 | 0.0000 | 0.0000 | 86.204 | 0.46674 | 0.00000 | 319537.6 | 91682.4 | 183122.1 | S |
| 26.225 | 0.0000 | 0.0000 | 86.203 | 0.46642 | 0.00000 | 319537.6 | 91696.4 | 183122.1 | S |
| 26.233 | 0.0000 | 0.0000 | 86.203 | 0.46609 | 0.00000 | 319537.6 | 91710.4 | 183122.1 | S |
| 26,242 | 0.0000 | 0.0000 | 86.202 | 0.46576 | 0.00000 | 319537.6 | 91724.4 | 183122.1 | S |
| 26.250 | 0.0000 | 0.0000 | 86.201 | 0.46544 | 0.00000 | 319537.6 | 91738.3 | 183122.1 | S |
| 26.258 | 0.0000 | 0.0000 | 86.200 | 0.46511 | 0.00000 | 319537.6 | 91752.3 | 183122.1 | S |
| 26.267 | 0.0000 | 0.0000 | 86.199 | 0.46479 | 0.00000 | 319537.6 | 91766.3 | 183122.1 | S |
| 26.275 | 0.0000 | 0.0000 | 86.198 | 0.46446 | 0.00000 | 319537.6 | 91780.2 | 183122.1 | S |
| 26.283 | 0.0000 | 0.0000 | 86.198 | 0.46414 | 0.00000 | 319537.6 | 91794.1 | 183122.1 | S |
| 26.292 | 0.0000 | 0.0000 | 86.197 | 0.46382 | 0.00000 | 319537.6 | 91808.0 | 183122.1 | S |
| 26.300 | 0.0000 | 0.0000 | 86.196 | 0.46349 | 0.00000 | 319537.6 | 91822.0 | 183122.1 | S |
| 26.308 | 0.0000 | 0.0000 | 86.195 | 0.46317 | 0.00000 | 319537.6 | 91835.9 | 183122.1 | S |
| 26.317 | 0.0000 | 0.0000 | 86.194 | 0.46285 | 0.00000 | 319537.6 | 91849.7 | 183122.1 | S |
| 26.325 | 0.0000 | 0.0000 | 86.194 | 0.46253 | 0.00000 | 319537.6 | 91863.6 | 183122.1 | S |
| 26.333 | 0.0000 | 0.0000 | 86.193 | 0.46221 | 0.00000 | 319537.6 | 91877.5 | 183122.1 | S |
| 26.342 | 0.0000 | 0.0000 | 86.192 | 0.46189 | 0.00000 | 319537.6 | 91891.4 | 183122.1 | S |
| 26.350 | 0.0000 | 0.0000 | 86.191 | 0.46157 | 0.00000 | 319537.6 | 91905.2 | 183122.1 | S |
| 26.358 | 0.0000 | 0.0000 | 86.190 | 0.46125 | 0.00000 | 319537.6 | 91919.1 | 183122.1 | S |
| 26.367 | 0.0000 | 0.0000 | 86.189 | 0.46093 | 0.00000 | 319537.6 | 91932.9 | 183122.1 | S |
| 26.375 | 0.0000 | 0.0000 | 86.189 | 0.46062 | 0.00000 | 319537.6 | 91946.7 | 183122.1 | S |
| 26.383 | 0.0000 | 0.0000 | 86.188 | 0.46030 | 0.00000 | 319537.6 | 91960.5 | 183122.1 | S |
| 26.392 | 0.0000 | 0.0000 | 86.187 | 0.45998 | 0.00000 | 319537.6 | 91974.3 | 183122.1 | S |
| 26.400 | 0.0000 | 0.0000 | 86.186 | 0.45967 | 0.00000 | 319537.6 | 91988.1 | 183122.1 | S |
| 26.408 | 0.0000 | 0.0000 | 86.185 | 0.45935 | 0.00000 | 319537.6 | 92001.9 | 183122.1 | S |
| 26.417 | 0.0000 | 0.0000 | 86.185 | 0.45904 | 0.00000 | 319537.6 | 92015.7 | 183122.1 | S |
| 26.425 | 0.0000 | 0.0000 | 86.184 | 0.45872 | 0.00000 | 319537.6 | 92029.5 | 183122.1 | S |
| 26.433 | 0.0000 | 0.0000 | 86.183 | 0.45841 | 0.00000 | 319537.6 | 92043.2 | 183122.1 | S |
| 26.442 | 0.0000 | 0.0000 | 86.182 | 0.45809 | 0.00000 | 319537.6 | 92057.0 | 183122.1 | S |
| 26.450 | 0.0000 | 0.0000 | 86.181 | 0.45778 | 0.00000 | 319537.6 | 92070.7 | 183122.1 | S |
| 26.458 | 0.0000 | 0.0000 | 86.181 | 0.45747 | 0.00000 | 319537.6 | 92084.4 | 183122.1 | S |
| 26.467 | 0.0000 | 0.0000 | 86.180 | 0.45715 | 0.00000 | 319537.6 | 92098.1 | 183122.1 | S |
| 26.475 | 0.0000 | 0.0000 | 86.179 | 0.45684 | 0.00000 | 319537.6 | 92111.8 | 183122.1 | S |
| 26.483 | 0.0000 | 0.0000 | 86.178 | 0.45653 | 0.00000 | 319537.6 | 92125.6 | 783122.1 | S |
| 26.492 | 0.0000 | 0.0000 | 86.177 | 0.45622 | 0.00000 | 319537.6 | 92139.2 | 183122.1 | S |
| 26.500 | 0.0000 | 0.0000 | 86.176 | 0.45594 | 0.00000 | 319537.6 | 92152.9 | 183122.1 | S |
| 26.508 | 0.0000 | 0.0000 | 86.176 | 0.45560 | 0.00000 | 319537.6 | 92166.6 | 183122.1 | S |

# PONDS Version 3.2.0207 

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{3} / \mathrm{s}$ ) | Outside Recharge (fiday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | $\begin{aligned} & \text { Cumulative } \\ & \text { Inflow } \\ & \text { Volume ( } \mathrm{ft}^{3} \text { ) } \end{aligned}$ | Cumulative infilitration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 26.517 | 0.0000 | 0.0000 | 86.175 | 0.45529 | 0.00000 | 319537.6 | 92180.3 | 183122.1 | S |
| 26.525 | 0.0000 | 0.0000 | 86.174 | 0.45498 | 0.00000 | 319537.6 | 92193.9 | 183122.1 | S |
| 26.533 | 0.0000 | 0.0000 | 86.173 | 0.45467 | 0.00000 | 319537.6 | 92207.6 | 183122.1 | S |
| 26.542 | 0.0000 | 0.0000 | 86.172 | 0.45436 | 0.00000 | 319537.6 | 92221.2 | 183122.1 | S |
| 26.550 | 0.0000 | 0.0000 | 86.172 | 0.45406 | 0.00000 | 319537.6 | 92234.8 | 183122.1 | S |
| 26.558 | 0.0000 | 0.0000 | 86.171 | 0.45375 | 0.00000 | 319537.6 | 92248.4 | 183122.1 | S |
| 26.567 | 0.0000 | 0.0000 | 86.170 | 0.45344 | 0.00000 | 319537.6 | 92262.0 | 183122.1 | S |
| 26.575 | 0.0000 | 0.0000 | 86.169 | 0.45314 | 0.00000 | 319537.6 | 92275.6 | 183122.1 | S |
| 26.583 | 0.0000 | 0.0000 | 86.168 | 0.45283 | 0.00000 | 319537.6 | 92289.2 | 183122.1 | S |
| 26.592 | 0.0000 | 0.0000 | 86.168 | 0.45253 | 0.00000 | 319537.6 | 92302.8 | 183122.1 | S |
| 26.600 | 0.0000 | 0.0000 | 86.167 | 0.45222 | 0.00000 | 319537.6 | 92316.4 | 183122.1 | S |
| 26.608 | 0.0000 | 0.0000 | 86.166 | 0.45192 | 0.00000 | 319537.6 | 92329.9 | 183122.1 | S |
| 26.617 | 0.0000 | 0.0000 | 86.165 | 0.45161 | 0.00000 | 319537.6 | 92343.5 | 183122.1 | S |
| 26.625 | 0.0000 | 0.0000 | 86.164 | 0.45131 | 0.00000 | 319537.6 | 92357.0 | 183122.1 | S |
| 26.633 | 0.0000 | 0.0000 | 86.164 | 0.45101 | 0.00000 | 319537.6 | 92370.6 | 183122.1 | S |
| 26.642 | 0.0000 | 0.0000 | 86.163 | 0.45071 | 0.00000 | 319537.6 | 92384.1 | 183122.1 | S |
| 26.650 | 0.0000 | 0.0000 | 86.162 | 0.45040 | 0.00000 | 319537.6 | 92397.6 | 183122.1 | S |
| 26.658 | 0.0000 | 0.0000 | 86.161 | 0.45010 | 0.00000 | 319537.6 | 92411.1 | 183122.1 | S |
| 26.667 | 0.0000 | 0.0000 | 86.160 | 0.44980 | 0.00000 | 319537.6 | 92424.6 | 183122.1 | S |
| 26.675 | 0.0000 | 0.0000 | 86.160 | 0.44950 | 0.00000 | 319537.6 | 92438.1 | 183122.1 | S |
| 26.683 | 0.0000 | 0.0000 | 86.159 | 0.44920 | 0.00000 | 319537.6 | 92451.6 | 183122.1 | S |
| 26.692 | 0.0000 | 0.0000 | 86.158 | 0.44890 | 0.00000 | 319537.6 | 92465.1 | 183122.1 | S |
| 26.700 | 0.0000 | 0.0000 | 86.157 | 0.44860 | 0.00000 | 319537.6 | 92478.5 | 183122.1 | S |
| 26.708 | 0.0000 | 0.0000 | 86.156 | 0.44830 | 0.00000 | 319537.6 | 92492.0 | 183122.1 | S |
| 26.717 | 0.0000 | 0.0000 | 86.156 | 0.44800 | 0.00000 | 319537.6 | 92505.4 | 183122.1 | S |
| 26.725 | 0.0000 | 0.0000 | 86.155 | 0.44771 | 0.00000 | 319537.6 | 92518.9 | 183122.1 | S |
| 26.733 | 0.0000 | 0.0000 | 86.154 | 0.44741 | 0.00000 | 319537.6 | 92532.3 | 183122.1 | S |
| 26.742 | 0.0000 | 0.0000 | 86.153 | 0.44711 | 0.00000 | 319537.6 | 92545.7 | 183122.1 | S |
| 26.750 | 0.0000 | 0.0000 | 86.152 | 0.44682 | 0.00000 | 319537.6 | 92559.1 | 183122.1 | S |
| 26.758 | 0.0000 | 0.0000 | 86.152 | 0.44652 | 0.00000 | 319537.6 | 92572.5 | 183122.1 | S |
| 26.767 | 0.0000 | 0.0000 | 86.151 | 0.44622 | 0.00000 | 319537.6 | 92585.9 | 183122.1 | S |
| 26.775 | 0.0000 | 0.0000 | 86, 750 | 0.44593 | 0.00000 | 319537.6 | 92599.3 | 183122.1 | S |
| 26.783 | 0.0000 | 0.0000 | 86.149 | 0.44564 | 0.00000 | 319537.6 | 92612.7 | 183122.1 | S |
| 26.792 | 0.0000 | 0.0000 | 86.149 | 0.44534 | 0.00000 | 319537.6 | 92626.0 | 183122.1 | S |
| 26.800 | 0.0000 | 0.0000 | 86.148 | 0.44505 | 0.00000 | 319537.6 | 92639.4 | 183122.1 | S |
| 26.808 | 0.0000 | 0.0000 | 86.147 | 0.44475 | 0.00000 | 319537.6 | 92652.7 | 183122.1 | S |
| 26.817 | 0.0000 | 0.0000 | 86.146 | 0.44446 | 0.00000 | 319537.6 | 92666.1 | 183122.1 | S |
| 26.825 | 0.0000 | 0.0000 | 86.145 | 0.44417 | 0.00000 | 319537.6 | 92679.4 | 183122.1 | S |
| 26.833 | 0.0000 | 0.0000 | 86.145 | 0.44388 | 0.00000 | 319537.6 | 92692.7 | 183122.1 | S |
| 26.842 | 0.0000 | 0.0000 | 86.144 | 0.44358 | 0.00000 | 319537.6 | 92706.0 | 183122.1 | S |
| 26.850 | 0.0000 | 0.0000 | 86.143 | 0.44329 | 0.00000 | 319537.6 | 92719.3 | 183122.1 | S |
| 26.858 | 0.0000 | 0.0000 | 86.142 | 0.44300 | 0.00000 | 319537.6 | 92732.6 | 183122.1 | S |
| 26.867 | 0.0000 | 0.0000 | 86.141 | 0.44271 | 0.00000 | 319537.6 | 92745.9 | 183122.1 | S |
| 26.875 | 0.0000 | 0.0000 | 86.141 | 0.44242 | 0.00000 | 319537.6 | 92759.2 | 183122.1 | S |
| 26.883 | 0.0000 | 0.0000 | 86.140 | 0.44213 | 0.00000 | 319537.6 | 92772.5 | 183122.1 | S |
| 26.892 | 0.0000 | 0.0000 | 86.139 | 0.44184 | 0.00000 | 319537.6 | 92785.7 | 183122.1 | S |
| 26.900 | 0.0000 | 0.0000 | 86.138 | 0.44155 | 0.00000 | 319537.6 | 92799.0 | 183122.1 | S |
| 26.908 | 0.0000 | 0.0000 | 86.137 | 0.44126 | 0.00000 | 319537.6 | 92812.2 | 183122.1 | S |
| 26.917 | 0.0000 | 0.0000 | 86.137 | 0.44098 | 0.00000 | 319537.6 | 92825.5 | 183122.1 | S |
| 26.925 | 0.0000 | 0.0000 | 86.136 | 0.44069 | 0.00000 | 319537.6 | 92838.7 | 183122.1 | S |
| 26.933 | 0.0000 | 0.0000 | 86.135 | 0.44040 | 0.00000 | 319537.6 | 92851.9 | 183122.1 | S |
| 26.942 | 0.0000 | 0.0000 | 86,134 | 0.44011 | 0.00000 | 319537.6 | 92865.1 | 183122.1 | S |
| 26.950 | 0.0000 | 0.0000 | 86,134 | 0.43983 | 0.00000 | 319537.6 | 92878.3 | 183122.1 | S |
| 26.958 | 0.0000 | 0.0000 | 86.133 | 0.43954 | 0.00000 | 319537.6 | 92891.5 | 183122.1 | S |
| 26.967 | 0.0000 | 0.0000 | 86. 132 | 0.43926 | 0.00000 | 319537.6 | 92904.7 | 183122.1 | S |
| 26.975 | 0.0000 | 0.0000 | 86.131 | 0.43897 | 0.00000 | 319537.6 | 92917.8 | 183122.1 | S |
| 26.983 | 0.0000 | 0.0000 | 86.130 | 0.43869 | 0.00000 | 319537.6 | 92931.0 | 183122.1 | S |
| 26.992 | 0.0000 | 0.0000 | 86.130 | 0.43840 | 0.00000 | 319537.6 | 92944.2 | 183122.1 | S |
| 27.000 | 0.0000 | 0.0000 | 86.129 | 0.43812 | 0.00000 | 319537.6 | 92957.3 | 183122.1 | S |
| 27.008 | 0.0000 | 0.0000 | 86.128 | 0.43784 | 0.00000 | 319537.6 | 92970.5 | 183122.1 | S |
| 27.017 | 0.0000 | 0.0000 | 86.127 | 0.43755 | 0.00000 | 319537.6 | 92983.6 | 183122.1 | S |
| 27.025 | 0.0000 | 0.0000 | 86.126 | 0.43727 | 0.00000 | 319537.6 | 92996.7 | 183122.1 | S |
| 27.033 | 0.0000 | 0.0000 | 86.126 | 0.43699 | 0.00000 | 319537.6 | 93009.8 | 183122.1 | S |
| 27.042 | 0.0000 | 0.0000 | 86.125 | 0.43671 | 0.00000 | 319537.6 | 93022.9 | 183122.1 | S |
| 27.050 | 0.0000 | 0.0000 | 86.124 | 0.43642 | 0.00000 | 319537.6 | 93036.0 | 183122.1 | S |
| 27.058 | 0.0000 | 0.0000 | 86.123 | 0.43614 | 0.00000 | 319537.6 | 93049.1 | 183122.1 | S |
| 27.067 | 0.0000 | 0.0000 | 86.123 | 0.43586 | 0.00000 | 319537.6 | 93062.2 | 183122.1 | S |
| 27.075 | 0.0000 | 0.0000 | 86.122 | 0.43558 | 0.00000 | 319537.6 | 93075.3 | 183122.1 | S |
| 27.083 | 0.0000 | 0.0000 | 86.121 | 0.43530 | 0.00000 | 319537.6 | 93088.3 | 183122.1 | S |
| 27.092 | 0.0000 | 0.0000 | 86.120 | 0.43502 | 0.00000 | 319537.6 | 93101.4 | 183122.1 | S |
| 27.100 | 0.0000 | 0.0000 | 86.119 | 0.43474 | 0.00000 | 319537.6 | 93114.4 | 183122.1 | S |
| 27.108 | 0.0000 | 0.0000 | 86.119 | 0.43447 | 0.00000 | 319537.6 | 93127.5 | 183122.1 | S |
| 27.117 | 0.0000 | 0.0000 | 86.118 | 0.43419 | 0.00000 | 319537.6 | 93140.5 | 183122.1 | S |
| 27.125 | 0.0000 | 0.0000 | 86.117 | 0.43391 | 0.00000 | 319537.6 | 93153.5 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario $1: \because$ pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing $w /$ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Outside Recharge (ftday) | Stage Elevation (fl datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{H}^{3 / 3}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 27.133 | 0.0000 | 0.0000 | 86.116 | 0.43363 | 0.00000 | 319537.6 | 93166.5 | 183122.1 | S |
| 27.142 | 0.0000 | 0.0000 | 86.116 | 0.43335 | 0.00000 | 319537.6 | 93179.5 | 183122.1 | S |
| 27.150 | 0.0000 | 0.0000 | 86.115 | 0.43308 | 0.00000 | 319537.6 | 93192.5 | 183122.1 | S |
| 27.158 | 0.0000 | 0.0000 | 86.114 | 0.43280 | 0.00000 | 319537.6 | 93205.5 | 183122.1 | S |
| 27.167 | 0.0000 | 0.0000 | 86.113 | 0.43253 | 0.00000 | 319537.6 | 93218.5 | 183122.1 | S |
| 27.175 | 0.0000 | 0.0000 | 86.112 | 0.43225 | 0.00000 | 319537.6 | 93231.5 | 183122.1 | S |
| 27.183 | 0.0000 | 0.0000 | 86.112 | 0.43198 | 0.00000 | 319537.6 | 93244.4 | 183122.1 | S |
| 27.192 | 0.0000 | 0.0000 | 86.111 | 0.43170 | 0.00000 | 319537.6 | 93257.4 | 183122.1 | S |
| 27.200 | 0.0000 | 0.0000 | 86.110 | 0.43143 | 0.00000 | 319537.6 | 93270.3 | 183122.1 | S |
| 27.208 | 0.0000 | 0.0000 | 86.109 | 0.43115 | 0.00000 | 319537.6 | 93283.3 | 183122.1 | S |
| 27.217 | 0.0000 | 0.0000 | 86.109 | 0.43088 | 0.00000 | 319537.6 | 93296.2 | 183122.1 | S |
| 27.225 | 0.0000 | 0.0000 | 86.108 | 0.43061 | 0.00000 | 319537.6 | 93309.1 | 183122.1 | S |
| 27.233 | 0.0000 | 0.0000 | 86.107 | 0.43033 | 0.00000 | 319537.6 | 93322.0 | 183122.1 | S |
| 27.242 | 0.0000 | 0.0000 | 86.106 | 0.43006 | 0.00000 | 319537.6 | 93334.9 | $183\} 22.1$ | S |
| 27.250 | 0.0000 | 0.0000 | 86.106 | 0.42979 | 0.00000 | 319537.6 | 93347.8 | 183122.1 | S |
| 27.258 | 0.0000 | 0.0000 | 86.105 | 0.42952 | 0.00000 | 319537.6 | 93360.7 | 183122.1 | S |
| 27.267 | 0.0000 | 0.0000 | 86.104 | 0.42925 | 0.00000 | 319537.6 | 93373.6 | 183122.1 | S |
| 27.275 | 0.0000 | 0.0000 | 86.103 | 0.42897 | 0.00000 | 319537.6 | 93386.5 | 183122.1 | S |
| 27.283 | 0.0000 | 0.0000 | 86.102 | 0.42870 | 0.00000 | 319537.6 | 93399.3 | 183122.1 | S |
| 27.292 | 0.0000 | 0.0000 | 86.102 | 0.42843 | 0.00000 | 319537.6 | 93412.2 | 183122.1 | S |
| 27.300 | 0.0000 | 0.0000 | 86.101 | 0.42816 | 0.00000 | 319537.6 | 93425.1 | 183122.1 | S |
| 27.308 | 0.0000 | 0.0000 | 86.100 | 0.42789 | 0.00000 | 319537.6 | 93437.9 | 183122.1 | S |
| 27.317 | 0.0000 | 0.0000 | 86.099 | 0.42763 | 0.00000 | 319537.6 | 93450.7 | 183122.1 | S |
| 27.325 | 0.0000 | 0.0000 | 86.099 | 0.42736 | 0.00000 | 319537.6 | 93463.6 | 183122.1 | S |
| 27.333 | 0.0000 | 0.0000 | 86.098 | 0.42709 | 0.00000 | 319537.6 | 93476.4 | 183122.1 | S |
| 27.342 | 0.0000 | 0.0000 | 86.097 | 0.42682 | 0.00000 | 319537.6 | 93489.2 | 183122.1 | S |
| 27.350 | 0.0000 | 0.0000 | 86.096 | 0.42655 | 0.00000 | 319537.6 | 93502.0 | 183122.1 | S |
| 27.358 | 0.0000 | 0.0000 | 86.096 | 0.42629 | 0.00000 | 319537.6 | 93514.8 | 183122.1 | S |
| 27.367 | 0.0000 | 0.0000 | 86.095 | 0.42602 | 0.00000 | 319537.6 | 93527.6 | 183122.1 | S |
| 27.375 | 0.0000 | 0.0000 | 86.094 | 0.42575 | 0.00000 | 319537.6 | 93540.3 | 183122.1 | S |
| 27.383 | 0.0000 | 0.0000 | 86.093 | 0.42549 | 0.00000 | 319537.6 | 93553.1 | 183122.1 | S |
| 27.392 | 0.0000 | 0.0000 | 86.092 | 0.42522 | 0.00000 | 319537.6 | 93565.9 | 183122.1 | S |
| 27.400 | 0.0000 | 0.0000 | 86.092 | 0.42495 | 0.00000 | 319537.6 | 93578.6 | 183122.1 | S |
| 27.408 | 0.0000 | 0.0000 | 86.091 | 0.42469 | 0.00000 | 319537.6 | 93591.4 | 183122.1 | S |
| 27.417 | 0.0000 | 0.0000 | 86.090 | 0.42442 | 0.00000 | 319537.6 | 93604.1 | 183122.1 | S |
| 27.425 | 0.0000 | 0.0000 | 86.089 | 0.42416 | 0.00000 | 319537.6 | 93616.8 | 183122.1 | S |
| 27.433 | 0.0000 | 0.0000 | 86,089 | 0.42390 | 0.00000 | 319537.6 | 93629.5 | 183122.1 | S |
| 27.442 | 0.0000 | 0.0000 | 86.088 | 0.42363 | 0.00000 | 319537.6 | 93642.3 | 183122.1 | S |
| 27.450 | 0.0000 | 0.0000 | 86.087 | 0.42337 | 0.00000 | 319537.6 | 93655.0 | 183122.1 | S |
| 27.458 | 0.0000 | 0.0000 | 86.086 | 0.42311 | 0.00000 | 319537.6 | 93667.7 | 183122.1 | S |
| 27.467 | 0.0000 | 0.0000 | 86.086 | 0.42284 | 0.00000 | 319537.6 | 93680.3 | 183122.1 | S |
| 27.475 | 0.0000 | 0.0000 | 86.085 | 0.42258 | 0.00000 | 319537.6 | 93693.0 | 183122.1 | S |
| 27.483 | 0.0000 | 0.0000 | 86.084 | 0.42232 | 0.00000 | 319537.6 | 93705.7 | 183122.1 | S |
| 27.492 | 0.0000 | 0.0000 | 86.083 | 0.42206 | 0.00000 | 319537.6 | 93718.4 | 183122.1 | S |
| 27.500 | 0.0000 | 0.0000 | 86.083 | 0.42180 | 0.00000 | 319537.6 | 93731.0 | 183122.1 | S |
| 27.508 | 0.0000 | 0.0000 | 86.082 | 0.42154 | 0.00000 | 319537.6 | 93743.7 | 183122.1 | S |
| 27.517 | 0.0000 | 0.0000 | 86.081 | 0.42128 | 0.00000 | 319537.6 | 93756.3 | 183122.1 | S |
| 27.525 | 0.0000 | 0.0000 | 86.080 | 0.42102 | 0.00000 | 319537.6 | 93769.0 | 183122.1 | S |
| 27.533 | 0.0000 | 0.0000 | 86.080 | 0.42076 | 0.00000 | 319537.6 | 93781.6 | 183122.1 | S |
| 27.542 | 0.0000 | 0.0000 | 86.079 | 0.42050 | 0.00000 | 319537.6 | 93794.2 | 183122.1 | S |
| 27.550 | 0.0000 | 0.0000 | 86.078 | 0.42024 | 0.00000 | 319537.6 | 93806.8 | 183122.1 | S |
| 27.558 | 0.0000 | 0.0000 | 86.077 | 0.41998 | 0.00000 | 319537.6 | 93819.4 | 183122.1 | S |
| 27.567 | 0.0000 | 0.0000 | 86.077 | 0.41972 | 0.00000 | 319537.6 | 93832.0 | 183122.1 | S |
| 27.575 | 0.0000 | 0.0000 | 86.076 | 0.41946 | 0.00000 | 319537.6 | 93844.6 | 183122.1 | S |
| 27.583 | 0.0000 | 0.0000 | 86.075 | 0.41920 | 0.00000 | 319537.6 | 93857.2 | 183122.1 | S |
| 27.592 | 0.0000 | 0.0000 | 86.074 | 0.41895 | 0.00000 | 319537.6 | 93869.8 | 183122.1 | S |
| 27.600 | 0.0000 | 0.0000 | 86.073 | 0.41869 | 0.00000 | 319537.6 | 93882.3 | 183122.1 | S |
| 27.608 | 0.0000 | 0.0000 | 86.073 | 0.41843 | 0.00000 | 319537.6 | 93894.9 | 183122.1 | S |
| 27.617 | 0.0000 | 0.0000 | 86.072 | 0.41818 | 0.00000 | 319537.6 | 93907.4 | 183122.1 | S |
| 27.625 | 0.0000 | 0.0000 | 86.071 | 0.41792 | 0.00000 | 319537.6 | 93920.0 | 183122.1 | S |
| 27.633 | 0.0000 | 0.0000 | 86.070 | 0.41766 | 0.00000 | 319537.6 | 93932.5 | 183122.1 | S |
| 27.642 | 0.0000 | 0.0000 | 86.070 | 0.41741 | 0.00000 | 319537.6 | 93945.0 | 183122.1 | S |
| 27.650 | 0.0000 | 0.0000 | 86.069 | 0.41715 | 0.00000 | 319537.6 | 93957.5 | 183122.1 | S |
| 27.658 | 0.0000 | 0.0000 | 86.068 | 0.41690 | 0.00000 | 319537.6 | 93970.1 | 183122.1 | S |
| 27.667 | 0.0000 | 0.0000 | 86.067 | 0.41665 | 0.00000 | 319537.6 | 93982.6 | 183122.1 | S |
| 27.675 | 0.0000 | 0.0000 | 86.067 | 0.41639 | 0.00000 | 319537.6 | 93995.1 | 183122.1 | S |
| 27.683 | 0.0000 | 0.0000 | 86.066 | 0.41614 | 0.00000 | 319537.6 | 94007.5 | 183122.1 | S |
| 27.692 | 0.0000 | 0.0000 | 86.065 | 0.41588 | 0.00000 | 319537.6 | 94020.0 | 183122.1 | S |
| 27.700 | 0.0000 | 0.0000 | 86.064 | 0.41563 | 0.00000 | 319537.6 | 94032.5 | 183122.1 | S |
| 27.708 | 0.0000 | 0.0000 | 86.064 | 0.41538 | 0.00000 | 319537.6 | 94045.0 | 183122.1 | S |
| 27.717 | 0.0000 | 0.0000 | 86.063 | 0.41513 | 0.00000 | 319537.6 | 94057.4 | 183122.1 | S |
| 27.725 | 0.0000 | 0.0000 | 86.062 | 0.41487 | 0.00000 | 319537.6 | 94069.9 | 183122.1 | S |
| 27.733 | 0.0000 | 0.0000 | 86.061 | 0.41462 | 0.00000 | 319537.6 | 94082.3 | 183122.1 | S |
| 27.742 | 0.0000 | 0.0000 | 86.061 | 0.41437 | 0.00000 | 319537.6 | 94094.7 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
: Scenario 1 :
: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (fl datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow <br> Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 27.750 | 0.0000 | 0.0000 | 86.060 | 0.41412 | 0.00000 | 319537.6 | 94107.2 | 183122.1 | S |
| 27.758 | 0.0000 | 0.0000 | 86.059 | 0.41387 | 0.00000 | 319537.6 | 94119.6 | 183122.1 | S |
| 27.767 | 0.0000 | 0.0000 | 86.058 | 0.41362 | 0.00000 | 319537.6 | 94132.0 | 183122.1 | S |
| 27.775 | 0.0000 | 0.0000 | 86.058 | 0.41337 | 0.00000 | 319537.6 | 94144.4 | 183122.1 | S |
| 27.783 | 0.0000 | 0.0000 | 86.057 | 0.41312 | 0.00000 | 319537.6 | 94156.8 | 183122.1 | S |
| 27.792 | 0.0000 | 0.0000 | 86.056 | 0.41287 | 0.00000 | 319537.6 | 94169.2 | 183122.1 | S |
| 27.800 | 0.0000 | 0.0000 | 86.055 | 0.41262 | 0.00000 | 319537.6 | 94181.6 | 183122.4 | S |
| 27.808 | 0.0000 | 0.0000 | 86.055 | 0.41237 | 0.00000 | 319537.6 | 94194.0 | 183122.1 | S |
| 27.817 | 0.0000 | 0.0000 | 86.054 | 0.41212 | 0.00000 | 319537.6 | 94206.3 | 183122.1 | S |
| 27.825 | 0.0000 | 0.0000 | 86.053 | 0.41188 | 0.00000 | 319537.6 | 94218.7 | 183122.1 | S |
| 27.833 | 0.0000 | 0.0000 | 86.052 | 0.41163 | 0.00000 | 319537.6 | 94231.0 | 183122.1 | S |
| 27.842 | 0.0000 | 0.0000 | 86.052 | 0.41138 | 0.00000 | 319537.6 | 94243.4 | 183122.1 | S |
| 27.850 | 0.0000 | 0.0000 | 86.051 | 0.41113 | 0.00000 | 319537.6 | 94255.7 | 183122.1 | S |
| 27.858 | 0.0000 | 0.0000 | 86.050 | 0.41089 | 0.00000 | 319537.6 | 94268.0 | 183122.1 | S |
| 27.867 | 0.0000 | 0.0000 | 86.050 | 0.41064 | 0.00000 | 319537.6 | 94280.4 | 183122.1 | S |
| 27.875 | 0.0000 | 0.0000 | 86.049 | 0.41039 | 0.00000 | 319537.6 | 94292.7 | 183122.1 | S |
| 27.883 | 0.0000 | 0.0000 | 86.048 | 0.41015 | 0.00000 | 319537.6 | 94305.0 | 183122.1 | S |
| 27.892 | 0.0000 | 0.0000 | 86.047 | 0.40990 | 0.00000 | 319537.6 | 94317.3 | 183122.1 | S |
| 27.900 | 0.0000 | 0.0000 | 86.047 | 0.40966 | 0.00000 | 319537.6 | 94329.6 | 183122.1 | S |
| 27.908 | 0.0000 | 0.0000 | 86.046 | 0.40941 | 0.00000 | 319537.6 | 94341.9 | 183122.1 | S |
| 27.917 | 0.0000 | 0.0000 | 86.045 | 0.40917 | 0.00000 | 319537.6 | 94354.1 | 183122.1 | S |
| 27.925 | 0.0000 | 0.0000 | 86.044 | 0.40892 | 0.00000 | 319537.6 | 94366.4 | 183122.1 | S |
| 27.933 | 0.0000 | 0.0000 | 86.044 | 0.40868 | 0.00000 | 319537.6 | 94378.7 | 183122.1 | S |
| 27.942 | 0.0000 | 0.0000 | 86.043 | 0.40843 | 0.00000 | 319537.6 | 94390.9 | 183122.1 | S |
| 27.950 | 0.0000 | 0.0000 | 86.042 | 0.40819 | 0.00000 | 319537.6 | 94403.2 | 183122.1 | S |
| 27.958 | 0.0000 | 0.0000 | 86.041 | 0.40795 | 0.00000 | 319537.6 | 94415.4 | 183122.1 | S |
| 27.967 | 0.0000 | 0.0000 | 86.041 | 0.40770 | 0.00000 | 319537.6 | 94427.7 | 183122.1 | S |
| 27.975 | 0.0000 | 0.0000 | 86.040 | 0.40746 | 0.00000 | 319537.6 | 94439.9 | 183122.1 | S |
| 27.983 | 0.0000 | 0.0000 | 86.039 | 0.40722 | 0.00000 | 319537.6 | 94452.1 | 183122.1 | S |
| 27.992 | 0.0000 | 0.0000 | 86.038 | 0.40698 | 0.00000 | 319537.6 | 94464.3 | 183122.1 | S |
| 28.000 | 0.0000 | 0.0000 | 86.038 | 0.40674 | 0.00000 | 319537.6 | 94476.5 | 183122.1 | S |
| 28.008 | 0.0000 | 0.0000 | 86.037 | 0.40650 | 0.00000 | 319537.6 | 94488.7 | 183122.1 | S |
| 28.017 | 0.0000 | 0.0000 | 86.036 | 0.40625 | 0.00000 | 319537.6 | 94500.9 | 183122.1 | S |
| 28.025 | 0.0000 | 0.0000 | 86.035 | 0.40601 | 0.00000 | 319537.6 | 94513.1 | 183122.1 | S |
| 28.033 | 0.0000 | 0.0000 | 86.035 | 0.40577 | 0.00000 | 319537.6 | 94525.3 | 183122.1 | S |
| 28.042 | 0.0000 | 0.0000 | 86.034 | 0.40553 | 0.00000 | 319537.6 | 94537.5 | 183122.1 | S |
| 28.050 | 0.0000 | 0.0000 | 86.033 | 0.40529 | 0.00000 | 319537.6 | 94549.6 | 183122.1 | S |
| 28.058 | 0.0000 | 0.0000 | 86.032 | 0.40505 | 0.00000 | 319537.6 | 94561.8 | 183122.1 | S |
| 28.067 | 0.0000 | 0.0000 | 86.032 | 0.40481 | 0.00000 | 319537.6 | 94573.9 | 183122.1 | S |
| 28.075 | 0.0000 | 0.0000 | 86.031 | 0.40458 | 0.00000 | 319537.6 | 94586.1 | 183122.1 | S |
| 28.083 | 0.0000 | 0.0000 | 86.030 | 0.40434 | 0.00000 | 319537.6 | 94598.2 | 183122.1 | S |
| 28.092 | 0.0000 | 0.0000 | 86.030 | 0.40410 | 0.00000 | 319537.6 | 94610.3 | 183122.1 | S |
| 28.100 | 0.0000 | 0.0000 | 86.029 | 0.40386 | 0.00000 | 319537.6 | 94622.4 | 183122.1 | S |
| 28.108 | 0.0000 | 0.0000 | 86.028 | 0.40362 | 0.00000 | 319537.6 | 94634.6 | 183122.1 | S |
| 28.117 | 0.0000 | 0.0000 | 86.027 | 0.40339 | 0.00000 | 319537.6 | 94646.7 | 183122.1 | S |
| 28.125 | 0.0000 | 0.0000 | 86.027 | 0.40315 | 0.00000 | 319537.6 | 94658.8 | 183122.1 | S |
| 28.133 | 0.0000 | 0.0000 | 86.026 | 0.40291 | 0.00000 | 319537.6 | 94670.8 | 183122.1 | S |
| 28.142 | 0.0000 | 0.0000 | 86.025 | 0.40268 | 0.00000 | 319537.6 | 94682.9 | 183122.1 | S |
| 28.150 | 0.0000 | 0.0000 | 86.024 | 0.40244 | 0.00000 | 319537.6 | 94695.0 | 183122.1 | S |
| 28.158 | 0.0000 | 0.0000 | 86.024 | 0.40220 | 0.00000 | 319537.6 | 94707.1 | 183122.1 | S |
| 28.167 | 0.0000 | 0.0000 | 86.023 | 0.40197 | 0.00000 | 319537.6 | 94719.1 | 183122.1 | S |
| 28.175 | 0.0000 | 0.0000 | 86.022 | 0.40173 | 0.00000 | 319537.6 | 94731.2 | 183122.1 | S |
| 28.183 | 0.0000 | 0.0000 | 86.021 | 0.40150 | 0.00000 | 319537.6 | 94743.2 | 183122.1 | S |
| 28.192 | 0.0000 | 0.0000 | 86.021 | 0.40126 | 0.00000 | 319537.6 | 94755.3 | 183122.1 | S |
| 28.200 | 0.0000 | 0.0000 | 86.020 | 0.40103 | 0.00000 | 319537.6 | 94767.3 | 183122.1 | S |
| 28.208 | 0.0000 | 0.0000 | 86.019 | 0.40079 | 0.00000 | 319537.6 | 94779.3 | 183122.1 | S |
| 28.217 | 0.0000 | 0.0000 | 86.019 | 0.40056 | 0.00000 | 319537.6 | 94791.4 | \$83122.1 | S |
| 28.225 | 0.0000 | 0.0000 | 86.018 | 0.40033 | 0.00000 | 319537.6 | 94803.4 | 183122.1 | S |
| 28.233 | 0.0000 | 0.0000 | 86.017 | 0.40009 | 0.00000 | 319537.6 | 94815.4 | 183122.1 | S |
| 28.242 | 0.0000 | 0.0000 | 86.016 | 0.39986 | 0.00000 | 319537.6 | 94827.4 | 183122.1 | S |
| 28.250 | 0.0000 | 0.0000 | 86.016 | 0.39963 | 0.00000 | 319537.6 | 94839.4 | 183122.1 | S |
| 28.258 | 0.0000 | 0.0000 | 86.015 | 0.39940 | 0.00000 | 319537.6 | 94851.4 | 183122.1 | S |
| 28.267 | 0.0000 | 0.0000 | 86.014 | 0.39916 | 0.00000 | 319537.6 | 94863.3 | 183122.1 | S |
| 28.275 | 0.0000 | 0.0000 | 86.013 | 0.39893 | 0.00000 | 319537.6 | 94875.3 | 183122.1 | S |
| 28.283 | 0.0000 | 0.0000 | 86.013 | 0.39870 | 0.00000 | 319537.6 | 94887.3 | 183122.1 | S |
| 28.292 | 0.0000 | 0.0000 | 86.012 | 0.39847 | 0.00000 | 319537.6 | 94899.2 | 183122.1 | S |
| 28.300 | 0.0000 | 0.0000 | 86.011 | 0.39824 | 0.00000 | 319537.6 | 94911.2 | 183122.1 | S |
| 28.308 | 0.0000 | 0.0000 | 86.011 | 0.39801 | 0.00000 | 319537.6 | 94923.1 | 183122.1 | S |
| 28.317 | 0.0000 | 0.0000 | 86.010 | 0.39778 | 0.00000 | 319537.6 | 94935.1 | 183122.1 | S |
| 28.325 | 0.0000 | 0.0000 | 86.009 | 0.39755 | 0.00000 | 319537.6 | 94947.0 | 183122.1 | S |
| 28.333 | 0.0000 | 0.0000 | 86.008 | 0.39732 | 0.00000 | 319537.6 | 94958.9 | 183122.1 | S |
| 28.342 | 0.0000 | 0.0000 | 86.008 | 0.39709 | 0.00000 | 319537.6 | 94970.8 | 183122.1 | S |
| 28.350 | 0.0000 | 0.0000 | 86.007 | 0.39686 | 0.00000 | 319537.6 | 94982.7 | 183122.1 | S |
| 28.358 | 0.0000 | 0.0000 | 86.006 | 0.39663 | 0.00000 | 319537.6 | 94994.6 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.

## Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overlow <br> Discharge <br> ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Infiow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume $\left(\mathrm{ft}^{3}\right)$ | Cumułative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 28.367 | 0.0000 | 0.0000 | 86.005 | 0.39640 | 0.00000 | 319537.6 | 95006.5 | 183122.1 | S |
| 28.375 | 0.0000 | 0.0000 | 86.005 | 0.39617 | 0.00000 | 319537.6 | 95018.4 | 183122.1 | S |
| 28.383 | 0.0000 | 0.0000 | 86.004 | 0.39594 | 0.00000 | 319537.6 | 95030.3 | 183122.8 | S |
| 28.392 | 0.0000 | 0.0000 | 86.003 | 0.39571 | 0.00000 | 319537.6 | 95042.2 | 183122.1 | S |
| 28.400 | 0.0000 | 0.0000 | 86.003 | 0.39549 | 0.00000 | 319537.6 | 95054.1 | 183122.1 | S |
| 28.408 | 0.0000 | 0.0000 | 86.002 | 0.39526 | 0.00000 | 319537.6 | 95065.9 | 183122.1 | S |
| 28.417 | 0.0000 | 0.0000 | 86.001 | 0.39503 | 0.00000 | 319537.6 | 95077.8 | 183122.1 | S |
| 28.425 | 0.0000 | 0.0000 | 86.000 | 0.39481 | 0.00000 | 319537.6 | 95089.6 | 183122.1 | S |
| 28.433 | 0.0000 | 0.0000 | 86.000 | 0.39458 | 0.00000 | 319537.6 | 95101.5 | 183122.1 | S |
| 28.442 | 0.0000 | 0.0000 | 85.999 | 0.39435 | 0.00000 | 319537.6 | 95113.3 | 183122.1 | S |
| 28.450 | 0.0000 | 0.0000 | 85.998 | 0.39413 | 0.00000 | 319537.6 | 95125.1 | 183122.1 | S |
| 28.458 | 0.0000 | 0.0000 | 85.998 | 0.39390 | 0.00000 | 319537.6 | 95136.9 | 183122.1 | S |
| 28.467 | 0.0000 | 0.0000 | 85.997 | 0.39367 | 0.00000 | 319537.6 | 95148.8 | 183122.1 | S |
| 28.475 | 0.0000 | 0.0000 | 85.996 | 0.39345 | 0.00000 | 319537.6 | 95160.6 | 183122.1 | S |
| 28.483 | 0.0000 | 0.0000 | 85.995 | 0.39322 | 0.00000 | 319537.6 | 95172.4 | 183122.1 | S |
| 28.492 | 0.0000 | 0.0000 | 85.995 | 0.39300 | 0.00000 | 319537.6 | 95184.2 | 183122.1 | S |
| 28.500 | 0.0000 | 0.0000 | 85.994 | 0.39278 | 0.00000 | 319537.6 | 95195.9 | 183122.1 | S |
| 28.508 | 0.0000 | 0.0000 | 85.993 | 0.39255 | 0.00000 | 319537.6 | 95207.7 | 183122.1 | S |
| 28.517 | 0.0000 | 0.0000 | 85.993 | 0.39233 | 0.00000 | 319537.6 | 95219.5 | 183122.1 | S |
| 28.525 | 0.0000 | 0.0000 | 85.992 | 0.39210 | 0.00000 | 319537.6 | 95231.3 | 183122.1 | S |
| 28.533 | 0.0000 | 0.0000 | 85.991 | 0.39188 | 0.00000 | 319537.6 | 95243.0 | 183122.1 | S |
| 28.542 | 0.0000 | 0.0000 | 85.990 | 0.39166 | 0.00000 | 319537.6 | 95254.8 | 183122.1 | S |
| 28.550 | 0.0000 | 0.0000 | 85.990 | 0.39143 | 0.00000 | 319537.6 | 95266.5 | 183122.1 | S |
| 28.558 | 0.0000 | 0.0000 | 85.989 | 0.39121 | 0.00000 | 319537.6 | 95278.3 | 183122.1 | S |
| 28.567 | 0.0000 | 0.0000 | 85.988 | 0.39099 | 0.00000 | 319537.6 | 95290.0 | 183122.1 | S |
| 28.575 | 0.0000 | 0.0000 | 85.987 | 0.39077 | 0.00000 | 319537.6 | 95301.7 | 183122.1 | S |
| 28.583 | 0.0000 | 0.0000 | 85.987 | 0.39055 | 0.00000 | 319537.6 | 95313.4 | 183122.1 | S |
| 28.592 | 0.0000 | 0.0000 | 85.986 | 0.39032 | 0.00000 | 319537.6 | 95325.2 | 183122.1 | S |
| 28.600 | 0.0000 | 0.0000 | 85.985 | 0.39010 | 0.00000 | 319537.6 | 95336.9 | 183122.1 | S |
| 28.608 | 0.0000 | 0.0000 | 85.985 | 0.38988 | 0.00000 | 319537.6 | 95348.6 | 183122.1 | S |
| 28.617 | 0.0000 | 0.0000 | 85.984 | 0.38966 | 0.00000 | 319537.6 | 95360.2 | 183122.1 | S |
| 28.625 | 0.0000 | 0.0000 | 85.983 | 0.38944 | 0.00000 | 319537.6 | 95371.9 | 183122.1 | S |
| 28.633 | 0.0000 | 0.0000 | 85.982 | 0.38922 | 0.00000 | 319537.6 | 95383.6 | 183122.1 | S |
| 28.642 | 0.0000 | 0.0000 | 85.982 | 0.38900 | 0.00000 | 319537.6 | 95395.3 | 183122.1 | S |
| 28.650 | 0.0000 | 0.0000 | 85.981 | 0.38878 | 0.00000 | 319537.6 | 95407.0 | 183122.1 | S |
| 28.658 | 0.0000 | 0.0000 | 85.980 | 0.38856 | 0.00000 | 319537.6 | 95418.6 | 183122.1 | S |
| 28.667 | 0.0000 | 0.0000 | 85.980 | 0.38834 | 0.00000 | 319537.6 | 95430.3 | 183122.1 | S |
| 28.675 | 0.0000 | 0.0000 | 85.979 | 0.38812 | 0.00000 | 319537.6 | 95441.9 | 183122.1 | S |
| 28.683 | 0.0000 | 0.0000 | 85.978 | 0.38791 | 0.00000 | 319537.6 | 95453.6 | 183122.1 | S |
| 28.692 | 0.0000 | 0.0000 | 85.977 | 0.38769 | 0.00000 | 319537.6 | 95465.2 | 183122.1 | S |
| 28.700 | 0.0000 | 0.0000 | 85.977 | 0.38747 | 0.00000 | 319537.6 | 95476.8 | $\uparrow 83122.1$ | S |
| 28.708 | 0.0000 | 0.0000 | 85.976 | 0.38725 | 0.00000 | 319537.6 | 95488.4 | 183122.1 | S |
| 28.717 | 0.0000 | 0.0000 | 85.975 | 0.38703 | 0.00000 | 319537.6 | 95500.1 | 183122.1 | S |
| 28.725 | 0.0000 | 0.0000 | 85.975 | 0.38682 | 0.00000 | 319537.6 | 95511.7 | 183122.1 | S |
| 28.733 | 0.0000 | 0.0000 | 85.974 | 0.38660 | 0.00000 | 319537.6 | 95523.3 | 183122.1 | S |
| 28.742 | 0.0000 | 0.0000 | 85.973 | 0.38638 | 0.00000 | 319537.6 | 95534.9 | 183122.1 | S |
| 28.750 | 0.0000 | 0.0000 | 85.973 | 0.38617 | 0.00000 | 319537.6 | 95546.5 | 183122.4 | S |
| 28.758 | 0.0000 | 0.0000 | 85.972 | 0.38595 | 0.00000 | 319537.6 | 95558.0 | 183122.1 | S |
| 28.767 | 0.0000 | 0.0000 | 85.971 | 0.38573 | 0.00000 | 319537.6 | 95569.6 | 183122.1 | S |
| 28.775 | 0.0000 | 0.0000 | 85.970 | 0.38552 | 0.00000 | 319537.6 | 95581.2 | 183122.1 | S |
| 28.783 | 0.0000 | 0.0000 | 85.970 | 0.38530 | 0.00000 | 319537.6 | 95592.7 | 183122.1 | S |
| 28.792 | 0.0000 | 0.0000 | 85.969 | 0.38509 | 0.00000 | 319537.6 | 95604.3 | 183122.1 | S |
| 28.800 | 0.0000 | 0.0000 | 85.968 | 0.38487 | 0.00000 | 319537.6 | 95615.8 | 183122.1 | S |
| 28.808 | 0.0000 | 0.0000 | 85.968 | 0.38466 | 0.00000 | 319537.6 | 95627.4 | 183122.1 | S |
| 28.817 | 0.0000 | 0.0000 | 85.967 | 0.38444 | 0.00000 | 319537.6 | 95638.9 | 183122.1 | S |
| 28.825 | 0.0000 | 0.0000 | 85.966 | 0.38423 | 0.00000 | 319537.6 | 95650.5 | 183122.1 | S |
| 28.833 | 0.0000 | 0.0000 | 85.965 | 0.38401 | 0.00000 | 319537.6 | 95662.0 | 183122.1 | S |
| 28.842 | 0.0000 | 0.0000 | 85.965 | 0.38380 | 0.00000 | 319537.6 | 95673.5 | 183122.1 | S |
| 28.850 | 0.0000 | 0.0000 | 85.964 | 0.38359 | 0.00000 | 319537.6 | 95685.0 | 183122.1 | S |
| 28.858 | 0.0000 | 0.0000 | 85.963 | 0.38337 | 0.00000 | 319537.6 | 95696.5 | 183122.1 | S |
| 28.867 | 0.0000 | 0.0000 | 85.963 | 0.38316 | 0.00000 | 319537.6 | 95708.0 | 183122.1 | S |
| 28.875 | 0.0000 | 0.0000 | 85.962 | 0.38295 | 0.00000 | 319537.6 | 95719.5 | 183122.1 | S |
| 28.883 | 0.0000 | 0.0000 | 85.961 | 0.38273 | 0.00000 | 319537.6 | 95731.0 | 183122.1 | S |
| 28.892 | 0.0000 | 0.0000 | 85.960 | 0.38252 | 0.00000 | 319537.6 | 95742.5 | \$83122.1 | S |
| 28.900 | 0.0000 | 0.0000 | 85.960 | 0.38231 | 0.00000 | 319537.6 | 95753.9 | 183122.1 | S |
| 28.908 | 0.0000 | 0.0000 | 85.959 | 0.38210 | 0.00000 | 319537.6 | 95765.4 | 183122.1 | S |
| 28.917 | 0.0000 | 0.0000 | 85.958 | 0.38189 | 0.00000 | 319537.6 | 95776.9 | 183122.1 | S |
| 28.925 | 0.0000 | 0.0000 | 85.958 | 0.38168 | 0.00000 | 319537.6 | 95788.3 | 183122.1 | S |
| 28.933 | 0.0000 | 0.0000 | 85.957 | 0.38146 | 0.00000 | 319537.6 | 95799.8 | 183122.1 | S |
| 28.942 | 0.0000 | 0.0000 | 85.956 | 0.38125 | 0.00000 | 319537.6 | 95811.2 | 183122.1 | S |
| 28.950 | 0.0000 | 0.0000 | 85.956 | 0.38104 | 0.00000 | 319537.6 | 95822.6 | 183122.1 | S |
| 28.958 | 0.0000 | 0.0000 | 85.955 | 0.38083 | 0.00000 | 319537.6 | 95834.1 | 183122.1 | S |
| 28.967 | 0.0000 | 0.0000 | 85.954 | 0.38062 | 0.00000 | 319537.6 | 95845.5 | 183122.1 | S |
| 28.975 | 0.0000 | 0.0000 | 85.953 | 0.38041 | 0.00000 | 319537.6 | 95856.9 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate (ftys) | Overflow Discharge (ft ${ }^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{fl}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 28.983 | 0.0000 | 0.0000 | 85.953 | 0.38020 | 0.00000 | 319537.6 | 95868.3 | 183122.1 | S |
| 28.992 | 0.0000 | 0.0000 | 85.952 | 0.37999 | 0.00000 | 319537.6 | 95879.7 | 183122.1 | S |
| 29.000 | 0.0000 | 0.0000 | 85.951 | 0.37978 | 0.00000 | 319537.6 | 95891.1 | 183122.1 | S |
| 29.008 | 0.0000 | 0.0000 | 85.951 | 0.37957 | 0.00000 | 319537.6 | 95902.5 | 183122.1 | S |
| 29.017 | 0.0000 | 0.0000 | 85.950 | 0.37937 | 0.00000 | 319537.6 | 95913.9 | 183122.1 | S |
| 29.025 | 0.0000 | 0.0000 | 85.949 | 0.37916 | 0.00000 | 319537.6 | 95925.3 | 183 亿22.1 | S |
| 29.033 | 0.0000 | 0.0000 | 85.949 | 0.37895 | 0.00000 | 319537.6 | 95936.6 | 183122.1 | S |
| 29.042 | 0.0000 | 0.0000 | 85.948 | 0.37874 | 0.00000 | 319537.6 | 95948.0 | 183122.1 | S |
| 29.050 | 0.0000 | 0.0000 | 85.947 | 0.37853 | 0.00000 | 319537.6 | 95959.4 | 183122.1 | S |
| 29.058 | 0.0000 | 0.0000 | 85.946 | 0.37833 | 0.00000 | 319537.6 | 95970.7 | 183122.1 | S |
| 29.067 | 0.0000 | 0.0000 | 85.946 | 0.37812 | 0.00000 | 319537.6 | 95982.1 | 183122.1 | S |
| 29.075 | 0.0000 | 0.0000 | 85.945 | 0.37791 | 0.00000 | 319537.6 | 95993.4 | 183122.1 | S |
| 29.083 | 0.0000 | 0.0000 | 85.944 | 0.37770 | 0.00000 | 319537.6 | 96004.7 | 183122.1 | S |
| 29.092 | 0.0000 | 0.0000 | 85.944 | 0.37750 | 0.00000 | 318537.6 | 96016.1 | 783122.1 | S |
| 29.100 | 0.0000 | 0.0000 | 85.943 | 0.37729 | 0.00000 | 319537.6 | 96027.4 | 183122.1 | S |
| 29.108 | 0.0000 | 0.0000 | 85.942 | 0.37709 | 0.00000 | 319537.6 | 96038.7 | 183122.1 | S |
| 29.117 | 0.0000 | 0.0000 | 85.942 | 0.37688 | 0.00000 | 319537.6 | 96050.0 | 183122.1 | S |
| 29.125 | 0.0000 | 0.0000 | 85.941 | 0.37667 | 0.00000 | 319537.6 | 96061.3 | 183122.1 | S |
| 29.133 | 0.0000 | 0.0000 | 85.940 | 0.37647 | 0.00000 | 319537.6 | 96072.6 | 183122.1 | S |
| 29.142 | 0.0000 | 0.0000 | 85.939 | 0.37626 | 0.00000 | 319537.6 | 96083.9 | 183122.1 | S |
| 29.150 | 0.0000 | 0.0000 | 85.939 | 0.37606 | 0.00000 | 319537.6 | 96095.2 | 183122.1 | S |
| 29.158 | 0.0000 | 0.0000 | 85.938 | 0.37585 | 0.00000 | 319537.6 | 96106.5 | 183122.1 | S |
| 29.167 | 0.0000 | 0.0000 | 85.937 | 0.37565 | 0.00000 | 319537.6 | 96117.7 | 183122.1 | S |
| 29.175 | 0.0000 | 0.0000 | 85.937 | 0.37544 | 0.00000 | 319537.6 | 96129.0 | 183122.1 | S |
| 29.183 | 0.0000 | 0.0000 | 85.936 | 0.37524 | 0.00000 | 319537.6 | 96140.3 | 183122.1 | S |
| 29.192 | 0.0000 | 0.0000 | 85.935 | 0.37504 | 0.00000 | 319537.6 | 96151.5 | 183122.1 | S |
| 29.200 | 0.0000 | 0.0000 | 85.935 | 0.37483 | 0.00000 | 319537.6 | 96162.8 | 183122.1 | S |
| 29.208 | 0.0000 | 0.0000 | 85.934 | 0.37463 | 0.00000 | 319537.6 | 96174.0 | 183122.1 | S |
| 29.217 | 0.0000 | 0.0000 | 85.933 | 0.37443 | 0.00000 | 319537.6 | 96185.2 | 183122.1 | S |
| 29.225 | 0.0000 | 0.0000 | 85.933 | 0.37422 | 0.00000 | 319537.6 | 96196.5 | 183122.1 | S |
| 29.233 | 0.0000 | 0.0000 | 85.932 | 0.37402 | 0.00000 | 319537.6 | 96207.7 | 183122.1 | S |
| 29.242 | 0.0000 | 0.0000 | 85.931 | 0.37382 | 0.00000 | 319537.6 | 96218.9 | 183122.1 | S |
| 29.250 | 0.0000 | 0.0000 | 85.930 | 0.37362 | 0.00000 | 319537.6 | 96230.1 | 183122.1 | S |
| 29.258 | 0.0000 | 0.0000 | 85.930 | 0.37341 | 0.00000 | 319537.6 | 96241.3 | 183122.1 | S |
| 29.267 | 0.0000 | 0.0000 | 85.929 | 0.37321 | 0.00000 | 319537.6 | 96252.5 | 183122.1 | S |
| 29.275 | 0.0000 | 0.0000 | 85.928 | 0.37301 | 0.00000 | 319537.6 | 96263.7 | 183122.1 | S |
| 29.283 | 0.0000 | 0.0000 | 85.928 | 0.37281 | 0.00000 | 319537.6 | 96274.9 | 183122.1 | S |
| 29.292 | 0.0000 | 0.0000 | 85.927 | 0.37261 | 0.00000 | 319537.6 | 96286.1 | 183122.1 | S |
| 29.300 | 0.0000 | 0.0000 | 85.926 | 0.37241 | 0.00000 | 319537.6 | 96297.3 | 183122.1 | S |
| 29.308 | 0.0000 | 0.0000 | 85.926 | 0.37221 | 0.00000 | 319537.6 | 96308.4 | 183122.1 | S |
| 29.317 | 0.0000 | 0.0000 | 85.925 | 0.37201 | 0.00000 | 319537.6 | 96319.6 | 183122.1 | S |
| 29.325 | 0.0000 | 0.0000 | 85.924 | 0.37181 | 0.00000 | 319537.6 | 96330.8 | 183122.1 | S |
| 29.333 | 0.0000 | 0.0000 | 85.924 | 0.37161 | 0.00000 | 319537.6 | 96341.9 | 183122.1 | S |
| 29.342 | 0.0000 | 0.0000 | 85.923 | 0.37141 | 0.00000 | 319537.6 | 96353.1 | 183122.1 | S |
| 29.350 | 0.0000 | 0.0000 | 85.922 | 0.37121 | 0.00000 | 319537.6 | 96364.2 | 183122.1 | S |
| 29.358 | 0.0000 | 0.0000 | 85.922 | 0.37101 | 0.00000 | 319537.6 | 96375.3 | 183122.1 | S |
| 29.367 | 0.0000 | 0.0000 | 85.921 | 0.37081 | 0.00000 | 319537.6 | 96386.5 | 183122.1 | S |
| 29.375 | 0.0000 | 0.0000 | 85.920 | 0.37061 | 0.00000 | 319537.6 | 96397.6 | 183122.1 | S |
| 29.383 | 0.0000 | 0.0000 | 85.919 | 0.37041 | 0.00000 | 319537.6 | 96408.7 | 183122.1 | S |
| 29.392 | 0.0000 | 0.0000 | 85.919 | 0.37021 | 0.00000 | 319537.6 | 96419.8 | 183122.1 | S |
| 29.400 | 0.0000 | 0.0000 | 85.918 | 0.37001 | 0.00000 | 319537.6 | 96430.9 | 183122.1 | S |
| 29.408 | 0.0000 | 0.0000 | 85.917 | 0.36982 | 0.00000 | 319537.6 | 96442.0 | 183122.1 | S |
| 29.417 | 0.0000 | 0.0000 | 85.917 | 0.36962 | 0.00000 | 319537.6 | 96453.1 | 183122.1 | S |
| 29.425 | 0.0000 | 0.0000 | 85.916 | 0.36942 | 0.00000 | 319537.6 | 96464.2 | 183122.1 | S |
| 29.433 | 0.0000 | 0.0000 | 85.915 | 0.36922 | 0.00000 | 319537.6 | 96475.3 | 183122.1 | 5 |
| 29.442 | 0.0000 | 0.0000 | 85.915 | 0.36903 | 0.00000 | 319537.6 | 96486.3 | 183122.1 | S |
| 29.450 | 0.0000 | 0.0000 | 85.914 | 0.36883 | 0.00000 | 319537.6 | 96497.4 | 183122.1 | S |
| 29.458 | 0.0000 | 0.0000 | 85.913 | 0.36863 | 0.00000 | 319537.6 | 96508.5 | 183122.1 | S |
| 29.467 | 0.0000 | 0.0000 | 85.913 | 0.36844 | 0.00000 | 319537.6 | 96549.5 | 183122.1 | S |
| 29.475 | 0.0000 | 0.0000 | 85.912 | 0.36824 | 0.00000 | 319537.6 | 96530.6 | 183122.1 | S |
| 29.483 | 0.0000 | 0.0000 | 85.911 | 0.36804 | 0.00000 | 319537.6 | 96541.6 | 183122.1 | S |
| 29.492 | 0.0000 | 0.0000 | 85.911 | 0.36785 | 0.00000 | 318537.6 | 96552.6 | 183122.1 | S |
| 29.500 | 0.0000 | 0.0000 | 85.910 | 0.36765 | 0.00000 | 319537.6 | 96563.7 | 183122.1 | S |
| 29.508 | 0.0000 | 0.0000 | 85.909 | 0.36746 | 0.00000 | 319537.6 | 96574.7 | 183122.1 | S |
| 29.517 | 0.0000 | 0.0000 | 85.908 | 0.36726 | 0.00000 | 319537.6 | 96585.7 | 183122.1 | S |
| 29.525 | 0.0000 | 0.0000 | 85.908 | 0.36707 | 0.00000 | 319537.6 | 96596.7 | 183122.1 | S |
| 29.533 | 0.0000 | 0.0000 | 85.907 | 0.36687 | 0.00000 | 319537.6 | 96607.7 | 183122.1 | S |
| 29.542 | 0.0000 | 0.0000 | 85.906 | 0.36668 | 0.00000 | 319537.6 | 96618.8 | 183122.1 | S |
| 29.550 | 0.0000 | 0.0000 | 85.906 | 0.36648 | 0.00000 | 319537.6 | 96629.7 | 183122.1 | S |
| 29.558 | 0.0000 | 0.0000 | 85.905 | 0.36629 | 0.00000 | 319537.6 | 96640.7 | 183122.1 | S |
| 29.567 | 0.0000 | 0.0000 | 85.904 | 0.36609 | 0.00000 | 319537.6 | 96651.7 | 183122.1 | S |
| 29.575 | 0.0000 | 0.0000 | 85.904 | 0.36590 | 0.00000 | 319537.6 | 96662.7 | 183122.1 | S |
| 29.583 | 0.0000 | 0.0000 | 85.903 | 0.36571 | 0.00000 | 319537.6 | 96673.7 | 183122.1 | S |
| 29.592 | 0.0000 | 0.0000 | 85.902 | 0.36551 | 0.00000 | 319537.6 | 96684.6 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infilitration Rate (f $\mathrm{f}^{3} / \mathrm{s}$ ) | Overfiow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ff}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 29.600 | 0.0000 | 0.0000 | 85.902 | 0.36532 | 0.00000 | 319537.6 | 96695.6 | 183122.1 | S |
| 29.608 | 0.0000 | 0.0000 | 85.901 | 0.36513 | 0.00000 | 319537.6 | 96706.6 | 183122.1 | S |
| 29.617 | 0.0000 | 0.0000 | 85.900 | 0.36493 | 0.00000 | 319537.6 | 96717.5 | 183122.1 | S |
| 29.625 | 0.0000 | 0.0000 | 85.900 | 0.36474 | 0.00000 | 319537.6 | 96728.5 | 183122.1 | S |
| 29.633 | 0.0000 | 0.0000 | 85.899 | 0.36455 | 0.00000 | 319537.6 | 96739.4 | 183122.1 | S |
| 29.642 | 0.0000 | 0.0000 | 85.898 | 0.36436 | 0.00000 | 319537.6 | 96750.3 | 183122.1 | S |
| 29.650 | 0.0000 | 0.0000 | 85.898 | 0.36416 | 0.00000 | 319537.6 | 96761.3 | 183122.1 | S |
| 29.658 | 0.0000 | 0.0000 | 85.897 | 0.36397 | 0.00000 | 319537.6 | 96772.2 | 183122.1 | S |
| 29.667 | 0.0000 | 0.0000 | 85.896 | 0.36378 | 0.00000 | 319537.6 | 96783.1 | 183122.1 | S |
| 29.675 | 0.0000 | 0.0000 | 85.896 | 0.36359 | 0.00000 | 319537.6 | 96794.0 | 183122.1 | S |
| 29.683 | 0.0000 | 0.0000 | 85.895 | 0.36340 | 0.00000 | 319537.6 | 96804.9 | 183122.1 | S |
| 29.692 | 0.0000 | 0.0000 | 85.894 | 0.36321 | 0.00000 | 319537.6 | 96815.8 | 183122.1 | S |
| 29.700 | 0.0000 | 0.0000 | 85.894 | 0.36302 | 0.00000 | 319537.6 | 96826.7 | 183122.1 | S |
| 29.708 | 0.0000 | 0.0000 | 85.893 | 0.36283 | 0.00000 | 319537.6 | 96837.6 | 183122.1 | S |
| 29.717 | 0.0000 | 0.0000 | 85.892 | 0.36264 | 0.00000 | 319537.6 | 96848.5 | 183122.1 | S |
| 29.725 | 0.0000 | 0.0000 | 85.891 | 0.36245 | 0.00000 | 319537.6 | 96859.4 | 183122.1 | S |
| 29.733 | 0.0000 | 0.0000 | 85.891 | 0.36226 | 0.00000 | 319537.6 | 96870.2 | 183122.1 | S |
| 29.742 | 0.0000 | 0.0000 | 85.890 | 0.36207 | 0.00000 | 319537.6 | 96881.1 | 183122.1 | S |
| 29.750 | 0.0000 | 0.0000 | 85.889 | 0.36188 | 0.00000 | 319537.6 | 96892.0 | 183122.1 | S |
| 29.758 | 0.0000 | 0.0000 | 85.889 | 0.36169 | 0.00000 | 319537.6 | 96902.8 | 183122.1 | S |
| 29.767 | 0.0000 | 0.0000 | 85.888 | 0.36150 | 0.00000 | 319537.6 | 96913.7 | 183122.1 | S |
| 29.775 | 0.0000 | 0.0000 | 85.887 | 0.36131 | 0.00000 | 319537.6 | 96924.5 | 183122.1 | S |
| 29.783 | 0.0000 | 0.0000 | 85.887 | 0.36112 | 0.00000 | 319537.6 | 96935.3 | 183122.1 | S |
| 29.792 | 0.0000 | 0.0000 | 85.886 | 0.36093 | 0.00000 | 319537.6 | 96946.2 | 183122.1 | S |
| 29.800 | 0.0000 | 0.0000 | 85.885 | 0.36074 | 0.00000 | 319537.6 | 96957.0 | 183122.1 | S |
| 29.808 | 0.0000 | 0.0000 | 85.885 | 0.36056 | 0.00000 | 319537.6 | 96967.8 | 183122.1 | S |
| 29.817 | 0.0000 | 0.0000 | 85.884 | 0.36037 | 0.00000 | 319537.6 | 96978.6 | 183122.1 | S |
| 29.825 | 0.0000 | 0.0000 | 85.883 | 0.36018 | 0.00000 | 319537.6 | 96989.4 | 183122.1 | S |
| 29.833 | 0.0000 | 0.0000 | 85.883 | 0.35999 | 0.00000 | 319537.6 | 97000.2 | 183122.1 | S |
| 29.842 | 0.0000 | 0.0000 | 85.882 | 0.35981 | 0.00000 | 319537.6 | 97011.0 | 183122.1 | S |
| 29.850 | 0.0000 | 0.0000 | 85.881 | 0.35962 | 0.00000 | 319537.6 | 97021.8 | 483122.1 | S |
| 29.858 | 0.0000 | 0.0000 | 85.881 | 0.35943 | 0.00000 | 319537.6 | 97032.6 | 483122.1 | S |
| 29.867 | 0.0000 | 0.0000 | 85.880 | 0.35925 | 0.00000 | 319537.6 | 97043.4 | 183122.1 | S |
| 29.875 | 0.0000 | 0.0000 | 85.879 | 0.35906 | 0.00000 | 319537.6 | 97054.2 | 183122.1 | S |
| 29.883 | 0.0000 | 0.0000 | 85.879 | 0.35887 | 0.00000 | 319537.6 | 97064.9 | 183122.1 | S |
| 29.892 | 0.0000 | 0.0000 | 85.878 | 0.35869 | 0.00000 | 319537.6 | 97075.7 | 183122.1 | S |
| 29.900 | 0.0000 | 0.0000 | 85.877 | 0.35850 | 0.00000 | 319537.6 | 97086.5 | 183122.1 | S |
| 29.908 | 0.0000 | 0.0000 | 85.877 | 0.35831 | 0.00000 | 319537.6 | 97097.2 | 183122.1 | S |
| 29.917 | 0.0000 | 0.0000 | 85.876 | 0.35813 | 0.00000 | 319537.6 | 97108.0 | 183122.1 | S |
| 29.925 | 0.0000 | 0.0000 | 85.875 | 0.35794 | 0.00000 | 319537.6 | 97118.7 | 183122.1 | S |
| 29.933 | 0.0000 | 0.0000 | 85.875 | 0.35776 | 0.00000 | 319537.6 | 97129.4 | 183122.1 | S |
| 29.942 | 0.0000 | 0.0000 | 85.874 | 0.35757 | 0.00000 | 319537.6 | 97140.2 | 183122.1 | S |
| 29.950 | 0.0000 | 0.0000 | 85.873 | 0.35739 | 0.00000 | 319537.6 | 97150.9 | \$83122.1 | S |
| 29.958 | 0.0000 | 0.0000 | 85.873 | 0.35720 | 0.00000 | 319537.6 | 97161.6 | 183122.1 | S |
| 29.967 | 0.0000 | 0.0000 | 85.872 | 0.35702 | 0.00000 | 319537.6 | 97172.3 | 183122.1 | S |
| 29.975 | 0.0000 | 0.0000 | 85.871 | 0.35684 | 0.00000 | 319537.6 | 97183.0 | 183122.1 | S |
| 29.983 | 0.0000 | 0.0000 | 85.871 | 0.35665 | 0.00000 | 319537.6 | 97193.7 | 183122.1 | S |
| 29.992 | 0.0000 | 0.0000 | 85.870 | 0.35647 | 0.00000 | 319537.6 | 97204.4 | 183122.1 | S |
| 30.000 | 0.0000 | 0.0000 | 85.869 | 0.35628 | 0.00000 | 319537.6 | 97215.1 | 183122.1 | S |
| 30.008 | 0.0000 | 0.0000 | 85.869 | 0.35610 | 0.00000 | 319537.6 | 97225.8 | 183122.1 | S |
| 30.017 | 0.0000 | 0.0000 | 85.868 | 0.35592 | 0.00000 | 319537.6 | 97236.5 | 183122.1 | S |
| 30.025 | 0.0000 | 0.0000 | 85.867 | 0.35574 | 0.00000 | 319537.6 | 97247.2 | 183122.1 | S |
| 30.033 | 0.0000 | 0.0000 | 85.867 | 0.35555 | 0.00000 | 319537.6 | 97257.8 | 183122.1 | S |
| 30.042 | 0.0000 | 0.0000 | 85.866 | 0.35537 | 0.00000 | 319537.6 | 97268.5 | 183122.1 | S |
| 30.050 | 0.0000 | 0.0000 | 85.865 | 0.35519 | 0.00000 | 319537.6 | 97279.1 | 183122.1 | S |
| 30.058 | 0.0000 | 0.0000 | 85.865 | 0.35500 | 0.00000 | 319537.6 | 97289.8 | 183122.1 | S |
| 30.067 | 0.0000 | 0.0000 | 85.864 | 0.35482 | 0.00000 | 319537.6 | 97300.4 | 183122.1 | S |
| 30.075 | 0.0000 | 0.0000 | 85.863 | 0.35464 | 0.00000 | 319537.6 | 97311.1 | 183122.1 | S |
| 30.083 | 0.0000 | 0.0000 | 85.863 | 0.35446 | 0.00000 | 319537.6 | 97321.7 | 183122.1 | S |
| 30.092 | 0.0000 | 0.0000 | 85.862 | 0.35428 | 0.00000 | 319537.6 | 97332.3 | 183922.1 | S |
| 30.100 | 0.0000 | 0.0000 | 85.861 | 0.35410 | 0.00000 | 319537.6 | 97343.0 | 183122.1 | S |
| 30.108 | 0.0000 | 0.0000 | 85.861 | 0.35392 | 0.00000 | 319537.6 | 97353.6 | 183122.1 | S |
| 30.117 | 0.0000 | 0.0000 | 85.860 | 0.35373 | 0.00000 | 319537.6 | 97364.2 | \$83122.1 | S |
| 30.125 | 0.0000 | 0.0000 | 85.859 | 0.35355 | 0.00000 | 319537.6 | 97374.8 | 183122.1 | S |
| 30.133 | 0.0000 | 0.0000 | 85.859 | 0.35337 | 0.00000 | 319537.6 | 97385.4 | 183122.1 | S |
| 30.142 | 0.0000 | 0.0000 | 85.858 | 0.35319 | 0.00000 | 319537.6 | 97396.0 | 183122.1 | S |
| 30.150 | 0.0000 | 0.0000 | 85.857 | 0.35301 | 0.00000 | 319537.6 | 97406.6 | 183122.1 | S |
| 30.158 | 0.0000 | 0.0000 | 85.857 | 0.35283 | 0.00000 | 319537.6 | 97417.2 | 183122.1 | S |
| 30.167 | 0.0000 | 0.0000 | 85.856 | 0.35265 | 0.00000 | 319537.6 | 97427.8 | 183122.1 | S |
| 30.175 | 0.0000 | 0.0000 | 85.855 | 0.35247 | 0.00000 | 319537.6 | 97438.4 | 183122.1 | S |
| 30,183 | 0.0000 | 0.0000 | 85.855 | 0.35229 | 0.00000 | 319537.6 | 97448.9 | 183122.1 | S |
| 30.192 | 0.0000 | 0.0000 | 85.854 | 0.35211 | 0.00000 | 319537.6 | 97459.5 | 183122.1 | S |
| 30.200 | 0.0000 | 0.0000 | 85.853 | 0.35194 | 0.00000 | 319537.6 | 97470.1 | 183122.1 | S |
| 30.208 | 0.0000 | 0.0000 | 85.853 | 0.35176 | 0.00000 | 319537.6 | 97480.6 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3 / 3} \mathrm{~s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume (ft ${ }^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | $\begin{aligned} & \text { Flow } \\ & \text { Type } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30.217 | 0.0000 | 0.0000 | 85.852 | 0.35158 | 0.00000 | 319537.6 | 97491.2 | 183122.1 | S |
| 30.225 | 0.0000 | 0.0000 | 85.851 | 0.35140 | 0.00000 | 319537.6 | 97501.7 | 183122.1 | S |
| 30.233 | 0.0000 | 0.0000 | 85.851 | 0.35122 | 0.00000 | 319537.6 | 97512.3 | 183122.1 | S |
| 30.242 | 0.0000 | 0.0000 | 85.850 | 0.35104 | 0.00000 | 319537.6 | 97522.8 | 183122.1 | S |
| 30.250 | 0.0000 | 0.0000 | 85.849 | 0.35086 | 0.00000 | 319537.6 | 97533.3 | 183122.1 | S |
| 30.258 | 0.0000 | 0.0000 | 85.849 | 0.35069 | 0.00000 | 319537.6 | 97543.8 | 183122.1 | S |
| 30.267 | 0.0000 | 0.0000 | 85.848 | 0.35051 | 0.00000 | 319537.6 | 97554.4 | 183122.1 | S |
| 30.275 | 0.0000 | 0.0000 | 85.847 | 0.35033 | 0.00000 | 319537.6 | 97564.9 | 183122.1 | S |
| 30.283 | 0.0000 | 0.0000 | 85.847 | 0.35015 | 0.00000 | 319537.6 | 97575.4 | 183122.1 | S |
| 30.292 | 0.0000 | 0.0000 | 85.846 | 0.34998 | 0.00000 | 319537.6 | 97585.9 | 183122.4 | S |
| 30.300 | 0.0000 | 0.0000 | 85.845 | 0.34980 | 0.00000 | 319537.6 | 97596.4 | 183122.1 | S |
| 30.308 | 0.0000 | 0.0000 | 85.845 | 0.34962 | 0.00000 | 319537.6 | 97606.9 | 183122.1 | S |
| 30.317 | 0.0000 | 0.0000 | 85.844 | 0.34945 | 0.00000 | 319537.6 | 97617.3 | 183122.1 | S |
| 30.325 | 0.0000 | 0.0000 | 85.844 | 0.34927 | 0.00000 | 319537.6 | 97627.8 | 183122.1 | S |
| 30.333 | 0.0000 | 0.0000 | 85.843 | 0.34909 | 0.00000 | 319537.6 | 97638.3 | 183122.1 | S |
| 30.342 | 0.0000 | 0.0000 | 85.842 | 0.34892 | 0.00000 | 319537.6 | 97648.8 | 183122.1 | S |
| 30.350 | 0.0000 | 0.0000 | 85.842 | 0.34874 | 0.00000 | 319537.6 | 97659.2 | 183122.1 | S |
| 30.358 | 0.0000 | 0.0000 | 85.841 | 0.34857 | 0.00000 | 319537.6 | 97669.7 | 183122.1 | S |
| 30.367 | 0.0000 | 0.0000 | 85.840 | 0.34839 | 0.00000 | 319537.6 | 97680.2 | 183122.1 | S |
| 30.375 | 0.0000 | 0.0000 | 85.840 | 0.34822 | 0.00000 | 319537.6 | 97690.6 | 183122.1 | S |
| 30.383 | 0.0000 | 0.0000 | 85.839 | 0.34804 | 0.00000 | 319537.6 | 97701.1 | 183122.1 | S |
| 30.392 | 0.0000 | 0.0000 | 85.838 | 0.34787 | 0.00000 | 319537.6 | 97711.5 | 183122.1 | S |
| 30.400 | 0.0000 | 0.0000 | 85.838 | 0.34769 | 0.00000 | 319537.6 | 97721.9 | 183122.1 | S |
| 30.408 | 0.0000 | 0.0000 | 85.837 | 0.34752 | 0.00000 | 319537.6 | 97732.3 | 183122.1 | S |
| 30.417 | 0.0000 | 0.0000 | 85.836 | 0.34734 | 0.00000 | 319537.6 | 97742.8 | 183122.1 | S |
| 30.425 | 0.0000 | 0.0000 | 85.836 | 0.34717 | 0.00000 | 319537.6 | 97753.2 | 183122.1 | S |
| 30.433 | 0.0000 | 0.0000 | 85.835 | 0.34699 | 0.00000 | 319537.6 | 97763.6 | 183122.1 | S |
| 30.442 | 0.0000 | 0.0000 | 85.834 | 0.34682 | 0.00000 | 319537.6 | 97774.0 | 183122.1 | S |
| 30.450 | 0.0000 | 0.0000 | 85.834 | 0.34665 | 0.00000 | 319537.6 | 97784.4 | 183122.1 | S |
| 30.458 | 0.0000 | 0.0000 | 85.833 | 0.34647 | 0.00000 | 319537.6 | 97794.8 | 183122.1 | S |
| 30.467 | 0.0000 | 0.0000 | 85.832 | 0.34630 | 0.00000 | 319537.6 | 97805.2 | 183122.1 | S |
| 30.475 | 0.0000 | 0.0000 | 85.832 | 0.34613 | 0.00000 | 319537.6 | 97815.6 | 183122.1 | S |
| 30.483 | 0.0000 | 0.0000 | 85.831 | 0.34595 | 0.00000 | 379537.6 | 97826.0 | 183122.1 | S |
| 30.492 | 0.0000 | 0.0000 | 85.830 | 0.34578 | 0.00000 | 319537.6 | 97836.3 | 183122.1 | S |
| 30.500 | 0.0000 | 0.0000 | 85.830 | 0.34561 | 0.00000 | 319537.6 | 97846.7 | 183122.1 | S |
| 30.508 | 0.0000 | 0.0000 | 85.829 | 0.34543 | 0.00000 | 319537.6 | 97857.1 | 183122.1 | S |
| 30.517 | 0.0000 | 0.0000 | 85.828 | 0.34526 | 0.00000 | 319537.6 | 97867.4 | 183122.1 | S |
| 30.525 | 0.0000 | 0.0000 | 85.828 | 0.34509 | 0.00000 | 319537.6 | 97877.8 | 183122.1 | S |
| 30.533 | 0.0000 | 0.0000 | 85.827 | 0.34492 | 0.00000 | 319537.6 | 97888.1 | 183122.1 | S |
| 30.542 | 0.0000 | 0.0000 | 85.826 | 0.34475 | 0.00000 | 319537.6 | 97898.5 | $\ddagger 83122.1$ | S |
| 30.550 | 0.0000 | 0.0000 | 85.826 | 0.34457 | 0.00000 | 319537.6 | 97908.8 | 183122.1 | S |
| 30.558 | 0.0000 | 0.0000 | 85.825 | 0.34440 | 0.00000 | 319537.6 | 97919.2 | 183122.1 | S |
| 30.567 | 0.0000 | 0.0000 | 85.825 | 0.34423 | 0.00000 | 319537.6 | 97929.5 | 183122.1 | S |
| 30.575 | 0.0000 | 0.0000 | 85.824 | 0.34406 | 0.00000 | 319537.6 | 97939.8 | 183122.1 | S |
| 30.583 | 0.0000 | 0.0000 | 85.823 | 0.34389 | 0.00000 | 319537.6 | 97950.1 | 183122.1 | S |
| 30.592 | 0.0000 | 0.0000 | 85.823 | 0.34372 | 0.00000 | 319537.6 | 97960.5 | 183122.1 | S |
| 30.600 | 0.0000 | 0.0000 | 85.822 | 0.34355 | 0.00000 | 319537.6 | 97970.8 | 183122.4 | S |
| 30.608 | 0.0000 | 0.0000 | 85.821 | 0.34338 | 0.00000 | 319537.6 | 97981.1 | 183122.1 | S |
| 30.617 | 0.0000 | 0.0000 | 85.821 | 0.34321 | 0.00000 | 319537.6 | 97991.4 | 183122.1 | S |
| 30.625 | 0.0000 | 0.0000 | 85.820 | 0.34304 | 0.00000 | 319537.6 | 98001.7 | 183122.1 | S |
| 30.633 | 0.0000 | 0.0000 | 85.819 | 0.34287 | 0.00000 | 319537.6 | 98012.0 | 183122.1 | S |
| 30.642 | 0.0000 | 0.0000 | 85.819 | 0.34270 | 0.00000 | 319537.6 | 98022.2 | 183122.1 | S |
| 30.650 | 0.0000 | 0.0000 | 85.818 | 0.34253 | 0.00000 | 319537.6 | 98032.5 | 183122.1 | S |
| 30.658 | 0.0000 | 0.0000 | 85.817 | 0.34236 | 0.00000 | 319537.6 | 98042.8 | 183722.1 | S |
| 30.667 | 0.0000 | 0.0000 | 85.817 | 0.34219 | 0.00000 | 319537.6 | 98053.1 | 183122.1 | S |
| 30.675 | 0.0000 | 0.0000 | 85.816 | 0.34202 | 0.00000 | 319537.6 | 98063.3 | 183122.1 | S |
| 30.683 | 0.0000 | 0.0000 | 85.815 | 0.34185 | 0.00000 | 319537.6 | 98073.6 | 183122.1 | S |
| 30.692 | 0.0000 | 0.0000 | 85.815 | 0.34168 | 0.00000 | 319537.6 | 98083.8 | 183122.1 | S |
| 30.700 | 0.0000 | 0.0000 | 85.814 | 0.34151 | 0.00000 | 319537.6 | 98094.1 | 183122.1 | S |
| 30.708 | 0.0000 | 0.0000 | 85.814 | 0.34135 | 0.00000 | 319537.6 | 98104.3 | 183122.1 | S |
| 30.717 | 0.0000 | 0.0000 | 85.813 | 0.34118 | 0.00000 | 319537.6 | 98114.6 | 183122.1 | S |
| 30.725 | 0.0000 | 0.0000 | 85.812 | 0.34101 | 0.00000 | 319537.6 | 98124.8 | 183122.1 | S |
| 30.733 | 0.0000 | 0.0000 | 85.812 | 0.34084 | 0.00000 | 319537.6 | 98135.0 | 183122.1 | S |
| 30.742 | 0.0000 | 0.0000 | 85.811 | 0.34067 | 0.00000 | 319537.6 | 98145.2 | 183122.1 | S |
| 30.750 | 0.0000 | 0.0000 | 85.810 | 0.34051 | 0.00000 | 319537.6 | 98155.5 | 183122.1 | S |
| 30.758 | 0.0000 | 0.0000 | 85.810 | 0.34034 | 0.00000 | 319537.6 | 98165.7 | 183122.1 | S |
| 30.767 | 0.0000 | 0.0000 | 85.809 | 0.34017 | 0.00000 | 319537.6 | 98175.9 | 183122.1 | S |
| 30.775 | 0.0000 | 0.0000 | 85.808 | 0.34000 | 0.00000 | 319537.6 | 98186.1 | 183122.1 | S |
| 30.783 | 0.0000 | 0.0000 | 85.808 | 0.33984 | 0.00000 | 319537.6 | 98196.3 | 183122.1 | S |
| 30.792 | 0.0000 | 0.0000 | 85.807 | 0.33967 | 0.00000 | 319537.6 | 98206.5 | 183122.1 | S |
| 30.800 | 0.0000 | 0.0000 | 85.806 | 0.33950 | 0.00000 | 319537.6 | 98216.7 | 183122.1 | S |
| 30.808 | 0.0000 | 0.0000 | 85.806 | 0.33934 | 0.00000 | 319537.6 | 98226.8 | 183122.1 | S |
| 30.817 | 0.0000 | 0.0000 | 85.805 | 0.33917 | 0.00000 | 319537.6 | 98237.0 | 183122.1 | S |
| 30.825 | 0.0000 | 0.0000 | 85.805 | 0.33900 | 0.00000 | 319537.6 | 98247.2 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/overflow

| Elapsed Time (hours) | inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overfow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30.833 | 0.0000 | 0.0000 | 85.804 | 0.33884 | 0.00000 | 319537.6 | 98257.4 | 183122.1 | S |
| 30.842 | 0.0000 | 0.0000 | 85.803 | 0.33867 | 0.00000 | 319537.6 | 98267.5 | 183122.1 | S |
| 30.850 | 0.0000 | 0.0000 | 85.803 | 0.33851 | 0.00000 | 319537.6 | 98277.7 | 183122.1 | S |
| 30.858 | 0.0000 | 0.0000 | 85.802 | 0.33834 | 0.00000 | 319537.6 | 98287.8 | 183122.1 | S |
| 30.867 | 0.0000 | 0.0000 | 85.801 | 0.33818 | 0.00000 | 319537.6 | 98298.0 | 183122.1 | S |
| 30.875 | 0.0000 | 0.0000 | 85.801 | 0.33801 | 0.00000 | 319537.6 | 98308.1 | 183122.1 | S |
| 30.883 | 0.0000 | 0.0000 | 85.800 | 0.33785 | 0.00000 | 319537.6 | 98318.3 | 183122.1 | S |
| 30.892 | 0.0000 | 0.0000 | 85.799 | 0.33768 | 0.00000 | 319537.6 | 98328.4 | 183122.1 | S |
| 30.900 | 0.0000 | 0.0000 | 85.799 | 0.33752 | 0.00000 | 319537.6 | 98338.5 | 183122.1 | S |
| 30.908 | 0.0000 | 0.0000 | 85.798 | 0.33735 | 0.00000 | 319537.6 | 98348.6 | 183122.1 | S |
| 30.917 | 0.0000 | 0.0000 | 85.797 | 0.33719 | 0.00000 | 319537.6 | 98358.8 | 183122.1 | S |
| 30.925 | 0.0000 | 0.0000 | 85.797 | 0.33702 | 0.00000 | 319537.6 | 98368.9 | 183122.1 | S |
| 30.933 | 0.0000 | 0.0000 | 85.796 | 0.33686 | 0.00000 | 319537.6 | 98379.0 | 183122.1 | S |
| 30.942 | 0.0000 | 0.0000 | 85.796 | 0.33669 | 0.00000 | 319537.6 | 98389.1 | 183122.1 | S |
| 30.950 | 0.0000 | 0.0000 | 85.795 | 0.33653 | 0.00000 | 319537.6 | 98399.2 | 183122.1 | S |
| 30.958 | 0.0000 | 0.0000 | 85.794 | 0.33637 | 0.00000 | 319537.6 | 98409.3 | 183122.1 | S |
| 30.967 | 0.0000 | 0.0000 | 85.794 | 0.33620 | 0.00000 | 319537.6 | 98419.4 | 183122.1 | S |
| 30.975 | 0.0000 | 0.0000 | 85.793 | 0.33604 | 0.00000 | 319537.6 | 98429.5 | 183122.1 | S |
| 30.983 | 0.0000 | 0.0000 | 85.792 | 0.33588 | 0.00000 | 319537.6 | 98439.5 | 183122.1 | S |
| 30.992 | 0.0000 | 0.0000 | 85.792 | 0.33571 | 0.00000 | 319537.6 | 98449.6 | 183122.1 | S |
| 31.000 | 0.0000 | 0.0000 | 85.791 | 0.33555 | 0.00000 | 319537.6 | 98459.7 | 183122.1 | S |
| 31.008 | 0.0000 | 0.0000 | 85.790 | 0.33539 | 0.00000 | 319537.6 | 98469.7 | 183122.1 | S |
| 31.017 | 0.0000 | 0.0000 | 85.790 | 0.33523 | 0.00000 | 319537.6 | 98479.8 | 183122.1 | S |
| 31.025 | 0.0000 | 0.0000 | 85.789 | 0.33506 | 0.00000 | 319537.6 | 98489.8 | 183122.1 | S |
| 31.033 | 0.0000 | 0.0000 | 85.789 | 0.33490 | 0.00000 | 319537.6 | 98499.9 | 183122.1 | S |
| 31.042 | 0.0000 | 0.0000 | 85.788 | 0.33474 | 0.00000 | 319537.6 | 98509.9 | 183122.1 | S |
| 31.050 | 0.0000 | 0.0000 | 85.787 | 0.33458 | 0.00000 | 319537.6 | 98520.0 | 183122.1 | S |
| 31.058 | 0.0000 | 0.0000 | 85.787 | 0.33442 | 0.00000 | 319537.6 | 98530.0 | 183122.1 | S |
| 31.067 | 0.0000 | 0.0000 | 85.786 | 0.33425 | 0.00000 | 319537.6 | 98540.0 | 183122.1 | S |
| 31.075 | 0.0000 | 0.0000 | 85.785 | 0.33409 | 0.00000 | 319537.6 | 98550.1 | 183122.1 | S |
| 31.083 | 0.0000 | 0.0000 | 85.785 | 0.33393 | 0.00000 | 319537.6 | 98560.1 | 183122.1 | S |
| 31.092 | 0.0000 | 0.0000 | 85.784 | 0.33377 | 0.00000 | 319537.6 | 98570.1 | 183122.1 | S |
| 31.100 | 0.0000 | 0.0000 | 85.783 | 0.33361 | 0.00000 | 319537.6 | 98580.1 | 183122.1 | 5 |
| 31.108 | 0.0000 | 0.0000 | 85.783 | 0.33345 | 0.00000 | 319537.6 | 98590.1 | 183122.1 | S |
| 31.117 | 0.0000 | 0.0000 | 85.782 | 0.33329 | 0.00000 | 319537.6 | 98600.1 | 183122.1 | S |
| 31.125 | 0.0000 | 0.0000 | 85.782 | 0.33313 | 0.00000 | 319537.6 | 98610.1 | 183122.1 | S |
| 31.133 | 0.0000 | 0.0000 | 85.781 | 0.33297 | 0.00000 | 319537.6 | 98620.1 | 183122.1 | 5 |
| 31.142 | 0.0000 | 0.0000 | 85.780 | 0.33281 | 0.00000 | 319537.6 | 98630.1 | 183122.1 | S |
| 31.150 | 0.0000 | 0.0000 | 85.780 | 0.33265 | 0.00000 | 319537.6 | 98640.1 | 183122.1 | S |
| 31.158 | 0.0000 | 0.0000 | 85.779 | 0.33249 | 0.00000 | 319537.6 | 98650.1 | 183122.1 | S |
| 31.167 | 0.0000 | 0.0000 | 85.778 | 0.33233 | 0.00000 | 319537.6 | 98660.0 | 183122.1 | S |
| 31.175 | 0.0000 | 0.0000 | 85.778 | 0.33217 | 0.00000 | 319537.6 | 98670.0 | 183122.1 | S |
| 31.183 | 0.0000 | 0.0000 | 85.777 | 0.33201 | 0.00000 | 319537.6 | 98680.0 | 183122.1 | S |
| 31.192 | 0.0000 | 0.0000 | 85.776 | 0.33185 | 0.00000 | 319537.6 | 98689.9 | 183122.1 | S |
| 31.200 | 0.0000 | 0.0000 | 85.776 | 0.33169 | 0.00000 | 319537.6 | 98699.9 | 183122.1 | S |
| 31.208 | 0.0000 | 0.0000 | 85.775 | 0.33153 | 0.00000 | $3 \ddagger 9537.6$ | 98709.8 | 183122.1 | S |
| 31.217 | 0.0000 | 0.0000 | 85.775 | 0.33137 | 0.00000 | 319537.6 | 98719.8 | 183122.1 | S |
| 31.225 | 0.0000 | 0.0000 | 85.774 | 0.33121 | 0.00000 | 319537.6 | 98729.7 | 183122.1 | S |
| 31.233 | 0.0000 | 0.0000 | 85.773 | 0.33105 | 0.00000 | 319537.6 | 98739.6 | 183122.1 | S |
| 31.242 | 0.0000 | 0.0000 | 85.773 | 0.33090 | 0.00000 | 319537.6 | 98749.6 | 183122.1 | S |
| 31.250 | 0.0000 | 0.0000 | 85.772 | 0.33074 | 0.00000 | 319537.6 | 98759.5 | 183122.1 | S |
| 31.258 | 0.0000 | 0.0000 | 85.771 | 0.33058 | 0.00000 | 319537.6 | 98769.4 | 183122.1 | S |
| 31.267 | 0.0000 | 0.0000 | 85.771 | 0.33042 | 0.00000 | 319537.6 | 98779.3 | 183122.1 | S |
| 31.275 | 0.0000 | 0.0000 | 85.770 | 0.33026 | 0.00000 | 319537.6 | 98789.2 | 183122.1 | S |
| 31.283 | 0.0000 | 0.0000 | 85.770 | 0.33011 | 0.00000 | 319537.6 | 98799.1 | 183122.1 | S |
| 31.292 | 0.0000 | 0.0000 | 85.769 | 0.32995 | 0.00000 | 319537.6 | 98809.0 | 183122.1 | S |
| 31.300 | 0.0000 | 0.0000 | 85.768 | 0.32979 | 0.00000 | 319537.6 | 98818.9 | 183122.1 | S |
| 31.308 | 0.0000 | 0.0000 | 85.768 | 0.32963 | 0.00000 | 319537.6 | 98828.8 | 183122.1 | S |
| 31.317 | 0.0000 | 0.0000 | 85.767 | 0.32948 | 0.00000 | 319537.6 | 98838.7 | 183122.1 | S |
| 31.325 | 0.0000 | 0.0000 | 85.766 | 0.32932 | 0.00000 | 319537.6 | 98848.6 | 183122.1 | S |
| 31.333 | 0.0000 | 0.0000 | 85.766 | 0.32916 | 0.00000 | 319537.6 | 98858.5 | 183122.1 | S |
| 31.342 | 0.0000 | 0.0000 | 85.765 | 0.32901 | 0.00000 | 319537.6 | 98868.3 | 183122.1 | S |
| 31.350 | 0.0000 | 0.0000 | 85.764 | 0.32885 | 0.00000 | 319537.6 | 98878.2 | 183122.1 | S |
| 31.358 | 0.0000 | 0.0000 | 85.764 | 0.32869 | 0.00000 | 319537.6 | 98888.1 | 183122.1 | S |
| 31.367 | 0.0000 | 0.0000 | 85.763 | 0.32854 | 0.00000 | 319537.6 | 98897.9 | 183122.1 | S |
| 31,375 | 0.0000 | 0.0000 | 85.763 | 0.32838 | 0.00000 | 319537.6 | 98907.8 | 183122.1 | S |
| 31.383 | 0.0000 | 0.0000 | 85.762 | 0.32823 | 0.00000 | 319537.6 | 98917.6 | 183122.1 | S |
| 31.392 | 0.0000 | 0.0000 | 85.761 | 0.32807 | 0.00000 | 319537.6 | 98927.5 | 183122.1 | S |
| 31.400 | 0.0000 | 0.0000 | 85.761 | 0.32792 | 0.00000 | 319537.6 | 98937.3 | 183122.1 | S |
| 31.408 | 0.0000 | 0.0000 | 85.760 | 0.32776 | 0.00000 | 319537.6 | 98947.2 | 183122.1 | S |
| 31.417 | 0.0000 | 0.0000 | 85.759 | 0.32760 | 0.00000 | 319537.6 | 98957.0 | 183122.4 | S |
| 31.425 | 0.0000 | 0.0000 | 85.759 | 0.32745 | 0.00000 | 319537.6 | 98966.8 | 783122.1 | S |
| 31.433 | 0.0000 | 0.0000 | 85.758 | 0.32729 | 0.00000 | 319537.6 | 98976.6 | 183122.1 | S |
| 31.442 | 0.0000 | 0.0000 | 85.758 | 0.32714 | 0.00000 | 319537.6 | 98986.5 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (fi/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume $\left(\mathrm{n}^{3}\right)$ | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 31.450 | 0.0000 | 0.0000 | 85.757 | 0.32698 | 0.00000 | 319537.6 | 98996.3 | 183122.1 | S |
| 31.458 | 0.0000 | 0.0000 | 85.756 | 0.32683 | 0.00000 | 319537.6 | 99006.1 | 183122.1 | S |
| 31.467 | 0.0000 | 0.0000 | 85.756 | 0.32668 | 0.00000 | 319537.6 | 99015.9 | 183122.1 | S |
| 31.475 | 0.0000 | 0.0000 | 85.755 | 0.32652 | 0.00000 | 319537.6 | 99025.7 | 183122.1 | S |
| 31.483 | 0.0000 | 0.0000 | 85.754 | 0.32637 | 0.00000 | 319537.6 | 99035.5 | 183122.1 | S |
| 31.492 | 0.0000 | 0.0000 | 85.754 | 0.32621 | 0.00000 | 319537.6 | 99045.3 | 183122.1 | S |
| 31.500 | 0.0000 | 0.0000 | 85.753 | 0.32606 | 0.00000 | 319537.6 | 99055.0 | 183122.1 | S |
| 31.508 | 0.0000 | 0.0000 | 85.753 | 0.32591 | 0.00000 | 319537.6 | 99064.8 | 183122.1 | S |
| 31.517 | 0.0000 | 0.0000 | 85.752 | 0.32575 | 0.00000 | 319537.6 | 99074.6 | 183122.1 | S |
| 31.525 | 0.0000 | 0.0000 | 85.751 | 0.32560 | 0.00000 | 319537.6 | 99084.4 | 183122.1 | S |
| 31.533 | 0.0000 | 0.0000 | 85.751 | 0.32545 | 0.00000 | 319537.6 | 99094.1 | 183122.1 | S |
| 31.542 | 0.0000 | 0.0000 | 85.750 | 0.32529 | 0.00000 | 319537.6 | 99103.9 | 183122.1 | S |
| 31.550 | 0.0000 | 0.0000 | 85.749 | 0.32514 | 0.00000 | 318537.6 | 99113.6 | 183122.1 | S |
| 31.558 | 0.0000 | 0.0000 | 85.749 | 0.32499 | 0.00000 | 319537.6 | 99123.4 | 183122.1 | S |
| 31.567 | 0.0000 | 0.0000 | 85.748 | 0.32483 | 0.00000 | 319537.6 | 99133.1 | 183122.1 | S |
| 31.575 | 0.0000 | 0.0000 | 85.748 | 0.32468 | 0.00000 | 319537.6 | 99142.9 | 183122.1 | S |
| 31.583 | 0.0000 | 0.0000 | 85.747 | 0.32453 | 0.00000 | 319537.6 | 99152.6 | 183122.1 | S |
| 31.592 | 0.0000 | 0.0000 | 85.746 | 0.32438 | 0.00000 | 319537.6 | 99162.4 | 183122.1 | S |
| 31.600 | 0.0000 | 0.0000 | 85.746 | 0.32422 | 0.00000 | 319537.6 | 99172.1 | \$83122.1 | S |
| 31.608 | 0.0000 | 0.0000 | 85.745 | 0.32407 | 0.00000 | 319537.6 | 99181.8 | 183122.1 | S |
| 31.617 | 0.0000 | 0.0000 | 85.744 | 0.32392 | 0.00000 | 319537.6 | 99191.5 | 183122.1 | S |
| 31.625 | 0.0000 | 0.0000 | 85.744 | 0.32377 | 0.00000 | 319537.6 | 99201.2 | 183122.1 | S |
| 31.633 | 0.0000 | 0.0000 | 85.743 | 0.32362 | 0.00000 | 319537.6 | 99211.0 | 183122.1 | S |
| 31.642 | 0.0000 | 0.0000 | 85.743 | 0.32347 | 0.00000 | 319537.6 | 99220.7 | 183122.1 | S |
| 31.650 | 0.0000 | 0.0000 | 85.742 | 0.32331 | 0.00000 | 319537.6 | 99230.4 | 183122.1 | S |
| 31.658 | 0.0000 | 0.0000 | 85.741 | 0.32316 | 0.00000 | 319537.6 | 99240.1 | 183122.1 | S |
| 31.667 | 0.0000 | 0.0000 | 85.741 | 0.32301 | 0.00000 | 319537.6 | 99249.8 | 183122.1 | S |
| 31.675 | 0.0000 | 0.0000 | 85.740 | 0.32286 | 0.00000 | 319537.6 | 99259.4 | 183122.1 | S |
| 31.683 | 0.0000 | 0.0000 | 85.740 | 0.32271 | 0.00000 | 319537.6 | 99269.1 | 183122.1 | S |
| 31.692 | 0.0000 | 0.0000 | 85.739 | 0.32256 | 0.00000 | 319537.6 | 99278.8 | 183122.1 | S |
| 31.700 | 0.0000 | 0.0000 | 85.738 | 0.32241 | 0.00000 | 319537.6 | 99288.5 | 183122.1 | S |
| 31.708 | 0.0000 | 0.0000 | 85.738 | 0.32226 | 0.00000 | 319537.6 | 99298.2 | 183122.1 | S |
| 31.717 | 0.0000 | 0.0000 | 85.737 | 0.32211 | 0.00000 | 319537.6 | 99307.8 | 183122.1 | S |
| 31.725 | 0.0000 | 0.0000 | 85.736 | 0.32196 | 0.00000 | 319537.6 | 99317.5 | 183122.1 | S |
| 31.733 | 0.0000 | 0.0000 | 85.736 | 0.32181 | 0.00000 | 319537.6 | 99327.1 | 183122.1 | S |
| 31.742 | 0.0000 | 0.0000 | 85.735 | 0.32166 | 0.00000 | 319537.6 | 99336.8 | 183122.1 | S |
| 31.750 | 0.0000 | 0.0000 | 85.735 | 0.32151 | 0.00000 | 319537.6 | 99346.4 | 183122.1 | S |
| 31.758 | 0.0000 | 0.0000 | 85.734 | 0.32136 | 0.00000 | 319537.6 | 99356.1 | 183122.1 | S |
| 31.767 | 0.0000 | 0.0000 | 85.733 | 0.32121 | 0.00000 | 319537.6 | 99365.7 | 183122.1 | S |
| 31.775 | 0.0000 | 0.0000 | 85.733 | 0.32106 | 0.00000 | 319537.6 | 99375.3 | 183122.1 | S |
| 31.783 | 0.0000 | 0.0000 | 85.732 | 0.32091 | 0.00000 | 319537.6 | 99385.0 | 183122.1 | S |
| 31.792 | 0.0000 | 0.0000 | 85.731 | 0.32076 | 0.00000 | 319537.6 | 99394.6 | 183122.1 | S |
| 31.800 | 0.0000 | 0.0000 | 85.731 | 0.32061 | 0.00000 | 319537.6 | 99404.2 | 183122.1 | S |
| 31.808 | 0.0000 | 0.0000 | 85.730 | 0.32046 | 0.00000 | 319537.6 | 99413.8 | 183122.1 | S |
| 31.817 | 0.0000 | 0.0000 | 85.730 | 0.32032 | 0.00000 | 319537.6 | 99423.5 | 183122.1 | S |
| 31.825 | 0.0000 | 0.0000 | 85.729 | 0.32017 | 0.00000 | 319537.6 | 99433.1 | 183122.1 | S |
| 31.833 | 0.0000 | 0.0000 | 85.728 | 0.32002 | 0.00000 | 319537.6 | 99442.7 | 783122.1 | S |
| 31.842 | 0.0000 | 0.0000 | 85.728 | 0.31987 | 0.00000 | 319537.6 | 99452.3 | 183122.1 | S |
| 31.850 | 0.0000 | 0.0000 | 85.727 | 0.31972 | 0.00000 | 319537.6 | 99461.9 | 183122.1 | S |
| 31.858 | 0.0000 | 0.0000 | 85.727 | 0.31958 | 0.00000 | 319537.6 | 99471.4 | 183122.1 | S |
| 31.867 | 0.0000 | 0.0000 | 85.726 | 0.31943 | 0.00000 | 319537.6 | 99481.0 | 183122.1 | S |
| 31.875 | 0.0000 | 0.0000 | 85.725 | 0.31928 | 0.00000 | 319537.6 | 99490.6 | 183122.1 | S |
| 31.883 | 0.0000 | 0.0000 | 85.725 | 0.31913 | 0.00000 | 319537.6 | 99500.2 | 183122.1 | S |
| 31.892 | 0.0000 | 0.0000 | 85.724 | 0.31898 | 0.00000 | 319537.6 | 99509.8 | 183122.1 | S |
| 31.900 | 0.0000 | 0.0000 | 85.723 | 0.31884 | 0.00000 | 319537.6 | 99519.3 | 183122.1 | S |
| 31.908 | 0.0000 | 0.0000 | 85.723 | 0.31869 | 0.00000 | 319537.6 | 99528.9 | 183122.1 | S |
| 31.917 | 0.0000 | 0.0000 | 85.722 | 0.31854 | 0.00000 | 319537.6 | 99538.4 | 183122.1 | S |
| 31.925 | 0.0000 | 0.0000 | 85.722 | 0.31840 | 0.00000 | 319537.6 | 99548.0 | 183122.1 | S |
| 31.933 | 0.0000 | 0.0000 | 85.721 | 0.31825 | 0.00000 | 319537.6 | 99557.6 | 183122.1 | S |
| 31.942 | 0.0000 | 0.0000 | 85.720 | 0.31810 | 0.00000 | 319537.6 | 99567.1 | 183122.1 | S |
| 31.950 | 0.0000 | 0.0000 | 85.720 | 0.31796 | 0.00000 | 319537.6 | 99576.6 | 183122.1 | S |
| 31.958 | 0.0000 | 0.0000 | 85.719 | 0.31781 | 0.00000 | 319537.6 | 99586.2 | 183122.1 | S |
| 31.967 | 0.0000 | 0.0000 | 85.719 | 0.31766 | 0.00000 | 319537.6 | 99595.7 | 183122.1 | S |
| 31.975 | 0.0000 | 0.0000 | 85.718 | 0.31752 | 0.00000 | 319537.6 | 99605.2 | 183122.1 | S |
| 31.983 | 0.0000 | 0.0000 | 85.717 | 0.31737 | 0.00000 | 319537.6 | 99614.8 | 183122.1 | S |
| 31.992 | 0.0000 | 0.0000 | 85.717 | 0.31723 | 0.00000 | 319537.6 | 99624.3 | 183122.1 | S |
| 32.000 | 0.0000 | 0.0000 | 85.716 | 0.31708 | 0.00000 | 319537.6 | 99633.8 | 183122.1 | S |
| 32.008 | 0.0000 | 0.0000 | 85.716 | 0.31694 | 0.00000 | 319537.6 | 99643.3 | 183122.1 | S |
| 32.017 | 0.0000 | 0.0000 | 85.715 | 0.31679 | 0.00000 | 319537.6 | 99652.8 | 183122.1 | S |
| 32.025 | 0.0000 | 0.0000 | 85.714 | 0.31664 | 0.00000 | 319537.6 | 99662.3 | 183122.1 | S |
| 32.033 | 0.0000 | 0.0000 | 85.714 | 0.31650 | 0.00000 | 319537.6 | 99671.8 | 183122.1 | S |
| 32.042 | 0.0000 | 0.0000 | 85.713 | 0.31635 | 0.00000 | 319537.6 | 99681.3 | 183122.1 | S |
| 32.050 | 0.0000 | 0.0000 | 85.712 | 0.31621 | 0.00000 | 319537.6 | 99690.8 | $\dagger 83122.1$ | S |
| 32.058 | 0.0000 | 0.0000 | 85.712 | 0.31606 | 0.00000 | 319537.6 | 99700.3 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (fl/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume (f1 ${ }^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volurne ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32.067 | 0.0000 | 0.0000 | 85.711 | 0.31592 | 0.00000 | 319537.6 | 99709.7 | 183122.1 | S |
| 32.075 | 0.0000 | 0.0000 | 85.711 | 0.31578 | 0.00000 | 319537.6 | 99719.2 | 183122.1 | S |
| 32.083 | 0.0000 | 0.0000 | 85.710 | 0.31563 | 0.00000 | 319537.6 | 99728.7 | 183122.1 | S |
| 32.092 | 0.0000 | 0.0000 | 85.709 | 0.31549 | 0.00000 | 319537.6 | 99738.2 | 183122.1 | S |
| 32.100 | 0.0000 | 0.0000 | 85.709 | 0.31534 | 0.00000 | 319537.6 | 99747.6 | 183122.1 | S |
| 32.108 | 0.0000 | 0.0000 | 85.708 | 0.31520 | 0.00000 | 319537.6 | 99757.1 | 183122.1 | S |
| 32.117 | 0.0000 | 0.0000 | 85.708 | 0.31505 | 0.00000 | 319537.6 | 99766.5 | 183122.1 | S |
| 32.125 | 0.0000 | 0.0000 | 85.707 | 0.31491 | 0.00000 | 319537.6 | 99776.0 | 183122.1 | S |
| 32.133 | 0.0000 | 0.0000 | 85.706 | 0.31477 | 0.00000 | 319537.6 | 99785.4 | 183122.1 | S |
| 32.142 | 0.0000 | 0.0000 | 85.706 | 0.31462 | 0.00000 | 319537.6 | 99794.9 | 183122.1 | S |
| 32.150 | 0.0000 | 0.0000 | 85.705 | 0.31448 | 0.00000 | 319537.6 | 99804.3 | 183122.1 | S |
| 32.158 | 0.0000 | 0.0000 | 85.705 | 0.31434 | 0.00000 | 319537.6 | 99813.7 | 183122.1 | S |
| 32.167 | 0.0000 | 0.0000 | 85.704 | 0.31419 | 0.00000 | 319537.6 | 99823.2 | 183122.1 | S |
| 32.175 | 0.0000 | 0.0000 | 85.703 | 0.31405 | 0.00000 | 319537.6 | 99832.6 | 183122.1 | S |
| 32.183 | 0.0000 | 0.0000 | 85.703 | 0.31391 | 0.00000 | 319537.6 | 99842.0 | 183122.1 | S |
| 32.192 | 0.0000 | 0.0000 | 85.702 | 0.31377 | 0.00000 | 319537.6 | 99851.4 | 183122.1 | S |
| 32.200 | 0.0000 | 0.0000 | 85.702 | 0.31362 | 0.00000 | 319537.6 | 99860.8 | 183122.1 | S |
| 32.208 | 0.0000 | 0.0000 | 85.701 | 0.31348 | 0.00000 | 319537.6 | 99870.2 | 183122.1 | S |
| 32.217 | 0.0000 | 0.0000 | 85.700 | 0.31334 | 0.00000 | 319537.6 | 99879.6 | 183122.1 | S |
| 32.225 | 0.0000 | 0.0000 | 85.700 | 0.31320 | 0.00000 | 319537.6 | 99889.0 | 183122.1 | S |
| 32.233 | 0.0000 | 0.0000 | 85.699 | 0.31305 | 0.00000 | 319537.6 | 99898.4 | 183122.1 | S |
| 32.242 | 0.0000 | 0.0000 | 85.698 | 0.31291 | 0.00000 | 319537.6 | 99907.8 | 183122.1 | S |
| 32.250 | 0.0000 | 0.0000 | 85.698 | 0.31277 | 0.00000 | 319537.6 | 99917.2 | 183122.1 | S |
| 32.258 | 0.0000 | 0.0000 | 85.697 | 0.31263 | 0.00000 | 319537.6 | 99926.6 | 183122.1 | S |
| 32.267 | 0.0000 | 0.0000 | 85.697 | 0.31249 | 0.00000 | 319537.6 | 99936.0 | 183122.1 | S |
| 32.275 | 0.0000 | 0.0000 | 85.696 | 0.31235 | 0.00000 | 319537.6 | 99945.3 | 183122.1 | S |
| 32.283 | 0.0000 | 0.0000 | 85.695 | 0.31220 | 0.00000 | 319537.6 | 99954.7 | 183122.1 | S |
| 32.292 | 0.0000 | 0.0000 | 85.695 | 0.31206 | 0.00000 | 319537.6 | 99964.1 | 183122.1 | S |
| 32.300 | 0.0000 | 0.0000 | 85.694 | 0.31192 | 0.00000 | 319537.6 | 99973.4 | 183122.1 | S |
| 32.308 | 0.0000 | 0.0000 | 85.694 | 0.31178 | 0.00000 | 319537.6 | 99982.8 | 183122.1 | S |
| 32.317 | 0.0000 | 0.0000 | 85.693 | 0.31764 | 0.00000 | 319537.6 | 99992.1 | \$83122.1 | S |
| 32,325 | 0.0000 | 0.0000 | 85.692 | 0.31150 | 0.00000 | 319537.6 | 100001.5 | 183122.1 | S |
| 32.333 | 0.0000 | 0.0000 | 85.692 | 0.31136 | 0.00000 | 319537.6 | 100010.8 | 183122.1 | S |
| 32.342 | 0.0000 | 0.0000 | 85.691 | 0.31122 | 0.00000 | 319537.6 | 100020.2 | 183122.1 | S |
| 32.350 | 0.0000 | 0.0000 | 85.691 | 0.31108 | 0.00000 | 319537.6 | 100029.5 | 183122.1 | S |
| 32.358 | 0.0000 | 0.0000 | 85.690 | 0.31094 | 0.00000 | 319537.6 | 100038.8 | 183122.1 | S |
| 32.367 | 0.0000 | 0.0000 | 85.689 | 0.31080 | 0.00000 | 319537.6 | 100048.2 | 183122.1 | S |
| 32.375 | 0.0000 | 0.0000 | 85.689 | 0.31086 | 0.00000 | 319537.6 | 100057.5 | 183122.1 | S |
| 32.383 | 0.0000 | 0.0000 | 85.688 | 0.31052 | 0.00000 | 319537.6 | 100066.8 | 183122.1 | S |
| 32.392 | 0.0000 | 0.0000 | 85.688 | 0.31038 | 0.00000 | 319537.6 | 100076.1 | 183122.1 | S |
| 32.400 | 0.0000 | 0.0000 | 85.687 | 0.31024 | 0.00000 | 319537.6 | 100085.4 | 483122.1 | S |
| 32.408 | 0.0000 | 0.0000 | 85.686 | 0.31010 | 0.00000 | 319537.6 | 100094.7 | 183122.1 | S |
| 32.417 | 0.0000 | 0.0000 | 85.686 | 0.30996 | 0.00000 | 319537.6 | 100104.0 | 183122.1 | S |
| 32.425 | 0.0000 | 0.0000 | 85.685 | 0.30982 | 0.00000 | 319537.6 | 100113.3 | 183122.1 | S |
| 32.433 | 0.0000 | 0.0000 | 85.685 | 0.30968 | 0.00000 | 319537.6 | 100122.6 | 183122.1 | S |
| 32.442 | 0.0000 | 0.0000 | 85.684 | 0.30954 | 0.00000 | 319537.6 | 100131.9 | 183122.1 | S |
| 32.450 | 0.0000 | 0.0000 | 85.683 | 0.30940 | 0.00000 | 319537.6 | 100141.2 | 183122.1 | S |
| 32.458 | 0.0000 | 0.0000 | 85.683 | 0.30926 | 0.00000 | 319537.6 | 100150.5 | 183122.1 | S |
| 32.467 | 0.0000 | 0.0000 | 85.682 | 0.30913 | 0.00000 | 319537.6 | 100159.7 | 183122.1 | S |
| 32.475 | 0.0000 | 0.0000 | 85.682 | 0.30899 | 0.00000 | 319537.6 | 100169.0 | 183122.1 | S |
| 32.483 | 0.0000 | 0.0000 | 85.681 | 0.30885 | 0.00000 | 319537.6 | 100178.3 | 183722.1 | S |
| 32.492 | 0.0000 | 0.0000 | 85.680 | 0.30871 | 0.00000 | 319537.6 | 100187.5 | 183122.1 | S |
| 32.500 | 0.0000 | 0.0000 | 85.680 | 0.30857 | 0.00000 | 319537.6 | 100196.8 | 183122.1 | S |
| 32.508 | 0.0000 | 0.0000 | 85.679 | 0.30843 | 0.00000 | 319537.6 | 100206.1 | 183122.1 | S |
| 32.517 | 0.0000 | 0.0000 | 85.679 | 0.30830 | 0.00000 | 319537.6 | 100215.3 | 183122.1 | S |
| 32.525 | 0.0000 | 0.0000 | 85.678 | 0.30816 | 0.00000 | 319537.6 | 100224.6 | 183122.1 | S |
| 32.533 | 0.0000 | 0.0000 | 85.677 | 0.30802 | 0.00000 | 319537.6 | 100233.8 | 183122.1 | S |
| 32.542 | 0.0000 | 0.0000 | 85.677 | 0.30788 | 0.00000 | 319537.6 | 100243.0 | 183122.1 | S |
| 32.550 | 0.0000 | 0.0000 | 85.676 | 0.30775 | 0.00000 | 319537.6 | 100252.3 | 183122.1 | S |
| 32.558 | 0.0000 | 0.0000 | 85.676 | 0.30761 | 0.00000 | 319537.6 | 100261.5 | 183122.1 | S |
| 32.567 | 0.0000 | 0.0000 | 85.675 | 0.30747 | 0.00000 | 319537.6 | 100270.7 | 183122.1 | S |
| 32.575 | 0.0000 | 0.0000 | 85.674 | 0.30733 | 0.00000 | 319537.6 | 100280.0 | 183122.1 | S |
| 32.583 | 0.0000 | 0.0000 | 85.674 | 0.30720 | 0.00000 | 319537.6 | 100289.2 | 183122.1 | S |
| 32.592 | 0.0000 | 0.0000 | 85.673 | 0.30706 | 0.00000 | 319537.6 | 100298.4 | 183122.1 | S |
| 32.600 | 0.0000 | 0.0000 | 85.673 | 0.30692 | 0.00000 | 319537.6 | 100307.6 | 183122.1 | S |
| 32.608 | 0.0000 | 0.0000 | 85.672 | 0.30679 | 0.00000 | 319537.6 | 100316.8 | 183122.1 | S |
| 32.617 | 0.0000 | 0.0000 | 85.671 | 0.30665 | 0.00000 | 319537.6 | 100326.0 | 183122.1 | S |
| 32.625 | 0.0000 | 0.0000 | 85.671 | 0.30651 | 0.00000 | 319537.6 | 100335.2 | 183122.1 | S |
| 32.633 | 0.0000 | 0.0000 | 85.670 | 0.30638 | 0.00000 | 319537.6 | 100344.4 | 183122.1 | S |
| 32.642 | 0.0000 | 0.0000 | 85.670 | 0.30624 | 0.00000 | 319537.6 | 100353.6 | 183122.1 | S |
| 32.650 | 0.0000 | 0.0000 | 85.669 | 0.30610 | 0.00000 | 319537.6 | 100362.8 | 183122.1 | S |
| 32.658 | 0.0000 | 0.0000 | 85.668 | 0.30597 | 0.00000 | 319537.6 | 100371.9 | 183122.1 | S |
| 32.667 | 0.0000 | 0.0000 | 85.668 | 0.30583 | 0.00000 | 319537.6 | 100381.1 | 183122.1 | S |
| 32.675 | 0.0000 | 0.0000 | 85.667 | 0.30570 | 0.00000 | 319537.6 | 100390.3 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / 3}$ ) | Outside Recharge ( $\mathrm{f} / \mathrm{I} / \mathrm{day}$ ) | Stage Elevation (ft datum) | Infitration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{t}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32.683 | 0.0000 | 0.0000 | 85.667 | 0.30556 | 0.00000 | 319537.6 | 100399.5 | 183122.1 | S |
| 32.692 | 0.0000 | 0.0000 | 85.666 | 0.30543 | 0.00000 | 319537.6 | 100408.6 | 183122.1 | S |
| 32.700 | 0.0000 | 0.0000 | 85.665 | 0.30529 | 0.00000 | 319537.6 | 100417.8 | 183122.1 | S |
| 32.708 | 0.0000 | 0.0000 | 85.665 | 0.30516 | 0.00000 | 319537.6 | 100426.9 | 183122.1 | S |
| 32.717 | 0.0000 | 0.0000 | 85.664 | 0.30502 | 0.00000 | 319537.6 | 100436.1 | 183122.1 | S |
| 32.725 | 0.0000 | 0.0000 | 85.664 | 0.30489 | 0.00000 | 319537.6 | 100445.3 | 183122.1 | S |
| 32.733 | 0.0000 | 0.0000 | 85.663 | 0.30475 | 0.00000 | 319537.6 | 100454.4 | 183122.1 | S |
| 32.742 | 0.0000 | 0.0000 | 85.663 | 0.30462 | 0.00000 | 319537.6 | 100463.5 | 183122.1 | S |
| 32.750 | 0.0000 | 0.0000 | 85.662 | 0.30448 | 0.00000 | 319537.6 | 100472.7 | 183122.1 | S |
| 32.758 | 0.0000 | 0.0000 | 85.661 | 0.30435 | 0.00000 | 319537.6 | 100481.8 | 183122.1 | S |
| 32.767 | 0.0000 | 0.0000 | 85.661 | 0.30421 | 0.00000 | 319537.6 | 100490.9 | 183122.1 | S |
| 32.775 | 0.0000 | 0.0000 | 85.660 | 0.30408 | 0.00000 | 319537.6 | 100500.1 | 783122.1 | S |
| 32.783 | 0.0000 | 0.0000 | 85.660 | 0.30394 | 0.00000 | 319537.6 | 100509.2 | 183122.1 | S |
| 32.792 | 0.0000 | 0.0000 | 85.659 | 0.30381 | 0.00000 | 319537.6 | 100518.3 | 183122.1 | S |
| 32.800 | 0.0000 | 0.0000 | 85.658 | 0.30368 | 0.00000 | 319537.6 | 100527.4 | 183122.1 | S |
| 32.808 | 0.0000 | 0.0000 | 85.658 | 0.30354 | 0.00000 | 319537.6 | 100536.5 | 183122.1 | S |
| 32.817 | 0.0000 | 0.0000 | 85.657 | 0.30341 | 0.00000 | 319537.6 | 100545.6 | 183122.1 | S |
| 32.825 | 0.0000 | 0.0000 | 85.657 | 0.30327 | 0.00000 | 319537.6 | 100554.7 | 183122.1 | S |
| 32.833 | 0.0000 | 0.0000 | 85.656 | 0.30314 | 0.00000 | 319537.6 | 100563.8 | 183122.1 | S |
| 32.842 | 0.0000 | 0.0000 | 85.655 | 0.30301 | 0.00000 | 319537.6 | 100572.9 | 183122.1 | S |
| 32.850 | 0.0000 | 0.0000 | 85.655 | 0.30287 | 0.00000 | 319537.6 | 100582.0 | 183122.1 | S |
| 32.858 | 0.0000 | 0.0000 | 85.654 | 0.30274 | 0.00000 | 319537.6 | 100591.7 | 183122.1 | S |
| 32.867 | 0.0000 | 0.0000 | 85.654 | 0.30261 | 0.00000 | 319537.6 | 100600.2 | 183122.1 | S |
| 32.875 | 0.0000 | 0.0000 | 85.653 | 0.30247 | 0.00000 | 319537.6 | 100609.2 | 183122.1 | S |
| 32.883 | 0.0000 | 0.0000 | 85.652 | 0.30234 | 0.00000 | 319537.6 | 100618.3 | 183122.1 | S |
| 32.892 | 0.0000 | 0.0000 | 85.652 | 0.30221 | 0.00000 | 319537.6 | 100627.4 | 183122.1 | S |
| 32.900 | 0.0000 | 0.0000 | 85.651 | 0.30208 | 0.00000 | 319537.6 | 100636.4 | 183122.1 | S |
| 32.908 | 0.0000 | 0.0000 | 85.651 | 0.30194 | 0.00000 | 319537.6 | 100645.5 | 183122.1 | S |
| 32.917 | 0.0000 | 0.0000 | 85.650 | 0.30181 | 0.00000 | 319537.6 | 100654.6 | 183122.1 | S |
| 32.925 | 0.0000 | 0.0000 | 85.650 | 0.30168 | 0.00000 | 319537.6 | 100663.6 | 183122.1 | S |
| 32.933 | 0.0000 | 0.0000 | 85.649 | 0.30155 | 0.00000 | 319537.6 | 100672.7 | 183122.1 | S |
| 32.942 | 0.0000 | 0.0000 | 85.648 | 0.30142 | 0.00000 | 319537.6 | 100681.7 | 183122.1 | S |
| 32.950 | 0.0000 | 0.0000 | 85.648 | 0.30128 | 0.00000 | 319537.6 | 100690.7 | 183122.1 | S |
| 32.958 | 0.0000 | 0.0000 | 85.647 | 0.30115 | 0.00000 | 319537.6 | 100699.8 | 183122.1 | S |
| 32.967 | 0.0000 | 0.0000 | 85.647 | 0.30102 | 0.00000 | 319537.6 | 100708.8 | 183122.1 | S |
| 32.975 | 0.0000 | 0.0000 | 85.646 | 0.30089 | 0.00000 | 319537.6 | 100717.8 | 183122.1 | S |
| 32.983 | 0.0000 | 0.0000 | 85.645 | 0.30076 | 0.00000 | 319537.6 | 100726.9 | 183122.1 | S |
| 32.992 | 0.0000 | 0.0000 | 85.645 | 0.30063 | 0.00000 | 319537.6 | 100735.9 | 183122.1 | S |
| 33.000 | 0.0000 | 0.0000 | 85.644 | 0.30049 | 0.00000 | 319537.6 | 100744.9 | 183122.1 | S |
| 33.008 | 0.0000 | 0.0000 | 85.644 | 0.30036 | 0.00000 | 319537.6 | 100753.9 | 183122.1 | S |
| 33.017 | 0.0000 | 0.0000 | 85.643 | 0.30023 | 0.00000 | 319537.6 | 100762.9 | 183122.1 | S |
| 33.025 | 0.0000 | 0.0000 | 85.642 | 0.30010 | 0.00000 | 319537.6 | 100771.9 | 183122.1 | S |
| 33.033 | 0.0000 | 0.0000 | 85.642 | 0.29997 | 0.00000 | 319537.6 | 100780.9 | 183122.1 | S |
| 33.042 | 0.0000 | 0.0000 | 85.641 | 0.29984 | 0.00000 | 319537.6 | 100789.9 | 183122.1 | S |
| 33.050 | 0.0000 | 0.0000 | 85.641 | 0.29971 | 0.00000 | 319537.6 | 100798.9 | 183122.1 | S |
| 33.058 | 0.0000 | 0.0000 | 85.640 | 0.29958 | 0.00000 | 319537.6 | 100807.9 | 183122.1 | S |
| 33.067 | 0.0000 | 0.0000 | 85.640 | 0.29945 | 0.00000 | 319537.6 | 100816.9 | 183122.1 | S |
| 33.075 | 0.0000 | 0.0000 | 85.639 | 0.29932 | 0.00000 | 319537.6 | 100825.9 | 183122.1 | S |
| 33.083 | 0.0000 | 0.0000 | 85.638 | 0.29919 | 0.00000 | 319537.6 | 100834.9 | 183122.1 | S |
| 33.092 | 0.0000 | 0.0000 | 85.638 | 0.29906 | 0.00000 | 319537.6 | 100843.8 | 183122.1 | S |
| 33.100 | 0.0000 | 0.0000 | 85.637 | 0.29893 | 0.00000 | 319537.6 | 100852.8 | 183122.1 | S |
| 33.108 | 0.0000 | 0.0000 | 85.637 | 0.29880 | 0.00000 | 319537.6 | 100861.8 | 183122.1 | S |
| 33.117 | 0.0000 | 0.0000 | 85.636 | 0.29867 | 0.00000 | 319537.6 | 100870.7 | 183122.7 | S |
| 33.125 | 0.0000 | 0.0000 | 85.635 | 0.29854 | 0.00000 | 319537.6 | 100879.7 | 183122.1 | S |
| 33.133 | 0.0000 | 0.0000 | 85.635 | 0.29841 | 0.00000 | 319537.6 | 100888.6 | 183122.1 | S |
| 33.142 | 0.0000 | 0.0000 | 85.634 | 0.29828 | 0.00000 | 319537.6 | 100897.6 | 183122.1 | S |
| 33.150 | 0.0000 | 0.0000 | 85.634 | 0.29815 | 0.00000 | 319537.6 | 100906.5 | 183122.1 | S |
| 33.158 | 0.0000 | 0.0000 | 85.633 | 0.29802 | 0.00000 | 319537.6 | 100915.5 | 183122.1 | S |
| 33.167 | 0.0000 | 0.0000 | 85.633 | 0.29789 | 0.00000 | 319537.6 | 100924.4 | 183122.1 | S |
| 33.175 | 0.0000 | 0.0000 | 85.632 | 0.29776 | 0.00000 | 319537.6 | 100933.4 | 183122.1 | S |
| 33.183 | 0.0000 | 0.0000 | 85.631 | 0.29763 | 0.00000 | 319537.6 | 100942.3 | 183122.1 | S |
| 33.192 | 0.0000 | 0.0000 | 85.631 | 0.29750 | 0.00000 | 319537.6 | 100951.2 | 183122.1 | S |
| 33.200 | 0.0000 | 0.0000 | 85.630 | 0.29738 | 0.00000 | 319537.6 | 100960.1 | 183122.1 | S |
| 33.208 | 0.0000 | 0.0000 | 85.630 | 0.29725 | 0.00000 | 319537.6 | 100969.0 | 183122.1 | S |
| 33.217 | 0.0000 | 0.0000 | 85.629 | 0.29712 | 0.00000 | 319537.6 | 100978.0 | 183122.1 | S |
| 33.225 | 0.0000 | 0.0000 | 85.628 | 0.29699 | 0.00000 | 319537.6 | 100986.9 | 183122.1 | S |
| 33.233 | 0.0000 | 0.0000 | 85.628 | 0.29686 | 0.00000 | 319537.6 | 100995.8 | 183122.1 | S |
| 33.242 | 0.0000 | 0.0000 | 85.627 | 0.29673 | 0.00000 | 319537.6 | 101004.7 | 183122.1 | S |
| 33.250 | 0.0000 | 0.0000 | 85.627 | 0.29660 | 0.00000 | 319537.6 | 101013.6 | 183122.1 | S |
| 33.258 | 0.0000 | 0.0000 | 85.626 | 0.29648 | 0.00000 | 319537.6 | 101022.5 | 183122.1 | S |
| 33.267 | 0.0000 | 0.0000 | 85.626 | 0.29635 | 0.00000 | 319537.6 | 101031.4 | 183122.1 | S |
| 33.275 | 0.0000 | 0.0000 | 85.625 | 0.29622 | 0.00000 | 319537.6 | 101040.3 | 183122.1 | S |
| 33.283 | 0.0000 | 0.0000 | 85.624 | 0.29609 | 0.00000 | 319537.6 | 101049.1 | 183122.1 | S |
| 33.292 | 0.0000 | 0.0000 | 85.624 | 0.29597 | 0.00000 | 319537.6 | 101058.0 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overfiow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative inflow <br> Volume ( $\mathrm{H}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | $\begin{aligned} & \text { Flow } \\ & \text { Type } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 33.300 | 0.0000 | 0.0000 | 85.623 | 0.29584 | 0.00000 | 319537.6 | 101066.9 | 183122.1 | S |
| 33.308 | 0.0000 | 0.0000 | 85.623 | 0.29571 | 0.00000 | 319537.6 | 101075.8 | 183122.1 | S |
| 33.317 | 0.0000 | 0.0000 | 85.622 | 0.29558 | 0.00000 | 319537.6 | 101084.6 | 183122.1 | S |
| 33.325 | 0.0000 | 0.0000 | 85.621 | 0.29546 | 0.00000 | 319537.6 | 101093.5 | 183122.1 | S |
| 33.333 | 0.0000 | 0.0000 | 85.621 | 0.29533 | 0.00000 | 319537.6 | 101102.4 | 183122.1 | S |
| 33.342 | 0.0000 | 0.0000 | 85.620 | 0.29520 | 0.00000 | 319537.6 | 101111.2 | 183122.1 | S |
| 33.350 | 0.0000 | 0.0000 | 85.620 | 0.29508 | 0.00000 | 319537.6 | 101120.1 | 183122.1 | S |
| 33.358 | 0.0000 | 0.0000 | 85.619 | 0.29495 | 0.00000 | 319537.6 | 101128.9 | 183122.1 | S |
| 33.367 | 0.0000 | 0.0000 | 85.619 | 0.29482 | 0.00000 | 319537.6 | 101137.8 | 183122.1 | S |
| 33.375 | 0.0000 | 0.0000 | 85.618 | 0.29470 | 0.00000 | 319537.6 | 101146.6 | 183122.1 | S |
| 33.383 | 0.0000 | 0.0000 | 85.617 | 0.29457 | 0.00000 | 319537.6 | 101155.5 | 183122.1 | S |
| 33.392 | 0.0000 | 0.0000 | 85.617 | 0.29444 | 0.00000 | 319537.6 | 101164.3 | 183122.1 | S |
| 33.400 | 0.0000 | 0.0000 | 85.616 | 0.29432 | 0.00000 | 319537.6 | 101173.1 | 183122.1 | S |
| 33.408 | 0.0000 | 0.0000 | 85.616 | 0.29419 | 0.00000 | 319537.6 | 101182.0 | 183122.1 | S |
| 33.417 | 0.0000 | 0.0000 | 85.615 | 0.29406 | 0.00000 | 319537.6 | 101190.8 | 183122.1 | S |
| 33.425 | 0.0000 | 0.0000 | 85.614 | 0.29394 | 0.00000 | 319537.6 | 101199.6 | 183122.1 | S |
| 33.433 | 0.0000 | 0.0000 | 85.614 | 0.29381 | 0.00000 | 319537.6 | 101208.4 | 183122.1 | S |
| 33.442 | 0.0000 | 0.0000 | 85.613 | 0.29369 | 0.00000 | 319537.6 | 101217.2 | 183122.1 | S |
| 33.450 | 0.0000 | 0.0000 | 85.613 | 0.29356 | 0.00000 | 319537.6 | 101226.0 | 183122.1 | S |
| 33.458 | 0.0000 | 0.0000 | 85.612 | 0.29344 | 0.00000 | 319537.6 | 101234.9 | 183122.1 | S |
| 33.467 | 0.0000 | 0.0000 | 85.612 | 0.29331 | 0.00000 | 319537.6 | 101243.6 | 183122.1 | S |
| 33.475 | 0.0000 | 0.0000 | 85.611 | 0.29319 | 0.00000 | 319537.6 | 101252.4 | 183122.1 | S |
| 33.483 | 0.0000 | 0.0000 | 85.610 | 0.29306 | 0.00000 | 319537.6 | 101261.2 | 183122.1 | S |
| 33.492 | 0.0000 | 0.0000 | 85.610 | 0.29293 | 0.00000 | 319537.6 | 101270.0 | 183122.1 | S |
| 33.500 | 0.0000 | 0.0000 | 85.609 | 0.29281 | 0.00000 | 319537.6 | 101278.8 | 183122.1 | S |
| 33.508 | 0.0000 | 0.0000 | 85.609 | 0.29269 | 0.00000 | 319537.6 | 101287.6 | 183122.1 | S |
| 33.517 | 0.0000 | 0.0000 | 85.608 | 0.29256 | 0.00000 | 319537.6 | 101296.4 | 183722.1 | S |
| 33.525 | 0.0000 | 0.0000 | 85.608 | 0.29244 | 0.00000 | 319537.6 | 101305.2 | 183122.1 | S |
| 33.533 | 0.0000 | 0.0000 | 85.607 | 0.29231 | 0.00000 | 319537.6 | 101313.9 | 183122.1 | S |
| 33.542 | 0.0000 | 0.0000 | 85.606 | 0.29219 | 0.00000 | 319537.6 | 101322.7 | 183122.1 | S |
| 33.550 | 0.0000 | 0.0000 | 85.606 | 0.29206 | 0.00000 | 319537.6 | 101331.5 | 183122.1 | S |
| 33.558 | 0.0000 | 0.0000 | 85.605 | 0.29194 | 0.00000 | 319537.6 | 101340.2 | 183122.1 | S |
| 33.567 | 0.0000 | 0.0000 | 85.605 | 0.29181 | 0.00000 | 319537.6 | 101349.0 | 183122.1 | S |
| 33.575 | 0.0000 | 0.0000 | 85.604 | 0.29169 | 0.00000 | 319537.6 | 101357.7 | 183122.1 | S |
| 33.583 | 0.0000 | 0.0000 | 85.604 | 0.29157 | 0.00000 | 319537.6 | 101366.5 | 183122.1 | S |
| 33.592 | 0.0000 | 0.0000 | 85.603 | 0.29144 | 0.00000 | 319537.6 | 101375.2 | 183122.1 | S |
| 33.600 | 0.0000 | 0.0000 | 85.602 | 0.29132 | 0.00000 | 319537.6 | 101384.0 | 183122.1 | S |
| 33.608 | 0.0000 | 0.0000 | 85.602 | 0.29119 | 0.00000 | 319537.6 | 101392.7 | 183122.1 | S |
| 33.617 | 0.0000 | 0.0000 | 85.601 | 0.29107 | 0.00000 | 319537.6 | 101401.4 | 183122.1 | S |
| 33.625 | 0.0000 | 0.0000 | 85.601 | 0.29095 | 0.00000 | 319537.6 | 101410.2 | 183122.1 | S |
| 33.633 | 0.0000 | 0.0000 | 85.600 | 0.29082 | 0.00000 | 319537.6 | 101418.9 | 183122.1 | S |
| 33.642 | 0.0000 | 0.0000 | 85.600 | 0.29070 | 0.00000 | 319537.6 | 101427.6 | 183122.1 | S |
| 33.650 | 0.0000 | 0.0000 | 85.599 | 0.29058 | 0.00000 | 319537.6 | 101436.3 | 183122.1 | S |
| 33.658 | 0.0000 | 0.0000 | 85.598 | 0.29045 | 0.00000 | 319537.6 | 101445.0 | 183122.1 | S |
| 33.667 | 0.0000 | 0.0000 | 85.598 | 0.29033 | 0.00000 | 319537.6 | 101453.8 | 183122.1 | S |
| 33.675 | 0.0000 | 0.0000 | 85.597 | 0.29021 | 0.00000 | 319537.6 | 101462.5 | 183122.1 | S |
| 33.683 | 0.0000 | 0.0000 | 85.597 | 0.29009 | 0.00000 | 319537.6 | 101471.2 | 183122.1 | S |
| 33.692 | 0.0000 | 0.0000 | 85.596 | 0.28996 | 0.00000 | 319537.6 | 101479.9 | 183122.1 | S |
| 33.700 | 0.0000 | 0.0000 | 85.596 | 0.28984 | 0.00000 | 319537.6 | 101488.6 | 183122.1 | S |
| 33.708 | 0.0000 | 0.0000 | 85.595 | 0.28972 | 0.00000 | 319537.6 | 101497.3 | 183122.1 | S |
| 33.717 | 0.0000 | 0.0000 | 85.594 | 0.28960 | 0.00000 | 319537.6 | 101506.0 | 183122.1 | S |
| 33.725 | 0.0000 | 0.0000 | 85.594 | 0.28947 | 0.00000 | 319537.6 | 101514.6 | 183122.1 | S |
| 33.733 | 0.0000 | 0.0000 | 85.593 | 0.28935 | 0.00000 | 319537.6 | 101523.3 | 183122.1 | S |
| 33.742 | 0.0000 | 0.0000 | 85.593 | 0.28923 | 0.00000 | 319537.6 | 101532.0 | 183122.1 | S |
| 33.750 | 0.0000 | 0.0000 | 85.592 | 0.28911 | 0.00000 | 319537.6 | 101540.7 | 183122.1 | S |
| 33.758 | 0.0000 | 0.0000 | 85.592 | 0.28899 | 0.00000 | 319537.6 | 101549.3 | 183122.1 | S |
| 33.767 | 0.0000 | 0.0000 | 85.591 | 0.28886 | 0.00000 | 319537.6 | 101558.0 | 183122.1 | S |
| 33.775 | 0.0000 | 0.0000 | 85.590 | 0.28874 | 0.00000 | 319537.6 | 101566.7 | 183122.1 | S |
| 33.783 | 0.0000 | 0.0000 | 85.590 | 0.28862 | 0.00000 | 319537.6 | 101575.3 | 183122.1 | S |
| 33.792 | 0.0000 | 0.0000 | 85.589 | 0.28850 | 0.00000 | 319537.6 | 101584.0 | 183122.1 | S |
| 33.800 | 0.0000 | 0.0000 | 85.589 | 0.28838 | 0.00000 | 319537.6 | 101592.6 | 183122.1 | S |
| 33.808 | 0.0000 | 0.0000 | 85.588 | 0.28826 | 0.00000 | 319537.6 | 101601.3 | 183122.1 | S |
| 33.817 | 0.0000 | 0.0000 | 85.588 | 0.28814 | 0.00000 | 319537.6 | 101609.9 | 183122.1 | S |
| 33.825 | 0.0000 | 0.0000 | 85.587 | 0.28801 | 0.00000 | 319537.6 | 101618.6 | 183122.1 | S |
| 33.833 | 0.0000 | 0.0000 | 85.586 | 0.28789 | 0.00000 | 319537.6 | 101627.2 | 183122.1 | S |
| 33.842 | 0.0000 | 0.0000 | 85.586 | 0.28777 | 0.00000 | 319537.6 | 101635.9 | 183122.1 | S |
| 33.850 | 0.0000 | 0.0000 | 85.585 | 0.28765 | 0.00000 | 319537.6 | 101644.5 | 183122.1 | S |
| 33.858 | 0.0000 | 0.0000 | 85.585 | 0.28753 | 0.00000 | 319537.6 | 101653.1 | 183122.1 | S |
| 33.867 | 0.0000 | 0.0000 | 85.584 | 0.28741 | 0.00000 | 319537.6 | 101661.7 | 183122.1 | S |
| 33.875 | 0.0000 | 0.0000 | 85.584 | 0.28729 | 0.00000 | 319537.6 | 101670.4 | 183122.1 | S |
| 33.883 | 0.0000 | 0.0000 | 85.583 | 0.28717 | 0.00000 | 319537.6 | 101679.0 | 183122.1 | S |
| 33.892 | 0.0000 | 0.0000 | 85.582 | 0.28705 | 0.00000 | 319537.6 | 101687.6 | \$83122.1 | S |
| 33.900 | 0.0000 | 0.0000 | 85.582 | 0.28693 | 0.00000 | 319537.6 | 101696.2 | 183122.1 | S |
| 33.908 | 0.0000 | 0.0000 | 85.581 | 0.28681 | 0.00000 | 319537.6 | 101704.8 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario $1::$ pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Outside Recharge (fl/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $f^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 33.917 | 0.0000 | 0.0000 | 85.581 | 0.28669 | 0.00000 | 319537.6 | 101713.4 | 183122.1 | S |
| 33.925 | 0.0000 | 0.0000 | 85.580 | 0.28657 | 0.00000 | 319537.6 | 101722.0 | 183122.4 | S |
| 33.933 | 0.0000 | 0.0000 | 85.580 | 0.28645 | 0.00000 | 319537.6 | 101730.6 | 183122.1 | S |
| 33.942 | 0.0000 | 0.0000 | 85.579 | 0.28633 | 0.00000 | 319537.6 | 101739.2 | 183122.3 | S |
| 33.950 | 0.0000 | 0.0000 | 85.578 | 0.28621 | 0.00000 | 319537.6 | 101747.8 | 183122.1 | S |
| 33.958 | 0.0000 | 0.0000 | 85.578 | 0.28609 | 0.00000 | 319537.6 | 101756.4 | 183122.1 | S |
| 33.967 | 0.0000 | 0.0000 | 85.577 | 0.28597 | 0.00000 | 319537.6 | 101765.0 | 183122.1 | S |
| 33.975 | 0.0000 | 0.0000 | 85.577 | 0.28585 | 0.00000 | 319537.6 | 101773.5 | 183122.1 | S |
| 33.983 | 0.0000 | 0.0000 | 85.576 | 0.28573 | 0.00000 | 319537.6 | 101782.1 | 183122.1 | S |
| 33.992 | 0.0000 | 0.0000 | 85.576 | 0.28561 | 0.00000 | 319537.6 | 101790.7 | 183122.1 | S |
| 34.000 | 0.0000 | 0.0000 | 85.575 | 0.28549 | 0.00000 | 319537.6 | 101799.2 | 183122.1 | S |
| 34.008 | 0.0000 | 0.0000 | 85.574 | 0.28537 | 0.00000 | 319537.6 | 101807.8 | 183122.1 | S |
| 34.017 | 0.0000 | 0.0000 | 85.574 | 0.28525 | 0.00000 | 319537.6 | 101816.4 | 183122.1 | S |
| 34.025 | 0.0000 | 0.0000 | 85.573 | 0.28514 | 0.00000 | 319537.6 | 101824.9 | 183122.1 | S |
| 34.033 | 0.0000 | 0.0000 | 85.573 | 0.28502 | 0.00000 | 319537.6 | 101833.5 | 183122.1 | S |
| 34.042 | 0.0000 | 0.0000 | 85.572 | 0.28490 | 0.00000 | 319537.6 | 101842.0 | 183122.1 | S |
| 34.050 | 0.0000 | 0.0000 | 85.572 | 0.28478 | 0.00000 | 319537.6 | 101850.6 | 183122.1 | S |
| 34.058 | 0.0000 | 0.0000 | 85.571 | 0.28466 | 0.00000 | 319537.6 | 101859.1 | 183122.1 | S |
| 34.067 | 0.0000 | 0.0000 | 85.571 | 0.28454 | 0.00000 | 319537.6 | 101867.6 | 183122.1 | S |
| 34.075 | 0.0000 | 0.0000 | 85.570 | 0.28443 | 0.00000 | 319537.6 | 101876.2 | 183122.1 | S |
| 34.083 | 0.0000 | 0.0000 | 85.569 | 0.28431 | 0.00000 | 319537.6 | 101884.7 | 183122.1 | S |
| 34.092 | 0.0000 | 0.0000 | 85.569 | 0.28419 | 0.00000 | 319537.6 | 101893.2 | 183122.1 | S |
| 34.100 | 0.0000 | 0.0000 | 85.568 | 0.28407 | 0.00000 | 319537.6 | 101901.8 | 183122.1 | S |
| 34.108 | 0.0000 | 0.0000 | 85.568 | 0.28395 | 0.00000 | 319537.6 | 101910.3 | 183122.1 | S |
| 34.117 | 0.0000 | 0.0000 | 85.567 | 0.28384 | 0.00000 | 319537.6 | 101918.8 | 183122.1 | S |
| 34.125 | 0.0000 | 0.0000 | 85.567 | 0.28372 | 0.00000 | 319537.6 | 101927.3 | 183122.1 | S |
| 34.133 | 0.0000 | 0.0000 | 85.566 | 0.28360 | 0.00000 | 319537.6 | 101935.8 | 183122.1 | S |
| 34.142 | 0.0000 | 0.0000 | 85.565 | 0.28348 | 0.00000 | 319537.6 | 101944.3 | 183122.1 | S |
| 34.150 | 0.0000 | 0.0000 | 85.565 | 0.28336 | 0.00000 | 319537.6 | 101952.8 | 183122.1 | S |
| 34.158 | 0.0000 | 0.0000 | 85.564 | 0.28325 | 0.00000 | 319537.6 | 101961.3 | 183122.1 | S |
| 34.167 | 0.0000 | 0.0000 | 85.564 | 0.28313 | 0.00000 | 319537.6 | 101969.8 | 183122.1 | S |
| 34.175 | 0.0000 | 0.0000 | 85.563 | 0.28301 | 0.00000 | 319537.6 | 101978.3 | 183122.1 | S |
| 34.183 | 0.0000 | 0.0000 | 85.563 | 0.28290 | 0.00000 | 319537.6 | 101986.8 | 183122.1 | S |
| 34.192 | 0.0000 | 0.0000 | 85.562 | 0.28278 | 0.00000 | 319537.6 | 101995.3 | 183122.1 | S |
| 34.200 | 0.0000 | 0.0000 | 85.561 | 0.28266 | 0.00000 | 319537.6 | 102003.8 | 183122.1 | S |
| 34.208 | 0.0000 | 0.0000 | 85.561 | 0.28255 | 0.00000 | 319537.6 | 102012.3 | 183122.1 | S |
| 34.217 | 0.0000 | 0.0000 | 85.560 | 0.28243 | 0.00000 | 319537.6 | 102020.7 | 183122.1 | S |
| 34.225 | 0.0000 | 0.0000 | 85.560 | 0.28231 | 0.00000 | 319537.6 | 102029.2 | 183122.1 | S |
| 34.233 | 0.0000 | 0.0000 | 85.559 | 0.28220 | 0.00000 | 319537.6 | 102037.7 | 183122.1 | S |
| 34.242 | 0.0000 | 0.0000 | 85.559 | 0.28208 | 0.00000 | 319537.6 | 102046.1 | 183122.1 | S |
| 34.250 | 0.0000 | 0.0000 | 85.558 | 0.28196 | 0.00000 | 319537.6 | 102054.6 | 183122.1 | S |
| 34.258 | 0.0000 | 0.0000 | 85.558 | 0.28185 | 0.00000 | 319537.6 | 102063.0 | 183122.1 | S |
| 34.267 | 0.0000 | 0.0000 | 85.557 | 0.28173 | 0.00000 | 319537.6 | 102071.5 | 183122.1 | S |
| 34.275 | 0.0000 | 0.0000 | 85.556 | 0.28161 | 0.00000 | 319537.6 | 102079.9 | 183122.1 | S |
| 34.283 | 0.0000 | 0.0000 | 85.556 | 0.28150 | 0.00000 | 319537.6 | 102088.4 | 183122.1 | S |
| 34.292 | 0.0000 | 0.0000 | 85.555 | 0.28138 | 0.00000 | 319537.6 | 102096.8 | 183122.1 | S |
| 34.300 | 0.0000 | 0.0000 | 85.555 | 0.28127 | 0.00000 | 319537.6 | 102105.3 | 183122.1 | S |
| 34.308 | 0.0000 | 0.0000 | 85.554 | 0.28115 | 0.00000 | 319537.6 | 102113.7 | 183122.1 | S |
| 34.317 | 0.0000 | 0.0000 | 85.554 | 0.28104 | 0.00000 | 319537.6 | 102122.1 | 183122.1 | S |
| 34.325 | 0.0000 | 0.0000 | 85.553 | 0.28092 | 0.00000 | 319537.6 | 102130.6 | 183122.1 | S |
| 34.333 | 0.0000 | 0.0000 | 85.553 | 0.28080 | 0.00000 | 319537.6 | 102139.0 | 183122.1 | S |
| 34.342 | 0.0000 | 0.0000 | 85.552 | 0.28069 | 0.00000 | 319537.6 | 102147.4 | 183122.1 | S |
| 34.350 | 0.0000 | 0.0000 | 85.551 | 0.28057 | 0.00000 | 319537.6 | 102155.8 | 183122.1 | S |
| 34.358 | 0.0000 | 0.0000 | 85.551 | 0.28046 | 0.00000 | 319537.6 | 102164.3 | 183122.1 | S |
| 34.367 | 0.0000 | 0.0000 | 85.550 | 0.28034 | 0.00000 | 319537.6 | 102172.7 | 183122.1 | S |
| 34.375 | 0.0000 | 0.0000 | 85.550 | 0.28023 | 0.00000 | 319537.6 | 102181.1 | 183122.1 | S |
| 34.383 | 0.0000 | 0.0000 | 85.549 | 0.28011 | 0.00000 | 319537.6 | 102189.5 | 183122.1 | S |
| 34.392 | 0.0000 | 0.0000 | 85.549 | 0.28000 | 0.00000 | 319537.6 | 102197.9 | 183122.1 | S |
| 34.400 | 0.0000 | 0.0000 | 85.548 | 0.27988 | 0.00000 | 319537.6 | 102206.3 | 183122.1 | S |
| 34.408 | 0.0000 | 0.0000 | 85.548 | 0.27977 | 0.00000 | 319537.6 | 102214.7 | 183122.1 | S |
| 34.417 | 0.0000 | 0.0000 | 85.547 | 0.27965 | 0.00000 | 319537.6 | 102223.1 | 183122.1 | S |
| 34.425 | 0.0000 | 0.0000 | 85.546 | 0.27954 | 0.00000 | 319537.6 | 102231.5 | 183122.1 | S |
| 34.433 | 0.0000 | 0.0000 | 85.546 | 0.27943 | 0.00000 | 319537.6 | 102239.8 | 183122.1 | S |
| 34.442 | 0.0000 | 0.0000 | 85.545 | 0.27931 | 0.00000 | 319537.6 | 102248.2 | 183122.1 | S |
| 34.450 | 0.0000 | 0.0000 | 85.545 | 0.27920 | 0.00000 | 319537.6 | 102256.6 | 183122.1 | S |
| 34.458 | 0.0000 | 0.0000 | 85.544 | 0.27908 | 0.00000 | 319537.6 | 102265.0 | 183122.1 | S |
| 34.467 | 0.0000 | 0.0000 | 85.544 | 0.27897 | 0.00000 | 319537.6 | 102273.3 | 183122.1 | S |
| 34.475 | 0.0000 | 0.0000 | 85.543 | 0.27886 | 0.00000 | 319537.6 | 102281.7 | 183122.1 | S |
| 34.483 | 0.0000 | 0.0000 | 85.542 | 0.27874 | 0.00000 | 319537.6 | 102290.1 | 183122.1 | S |
| 34.492 | 0.0000 | 0.0000 | 85.542 | 0.27863 | 0.00000 | 319537.6 | 102298.4 | 183122.1 | S |
| 34.500 | 0.0000 | 0.0000 | 85.541 | 0.27851 | 0.00000 | 319537.6 | 102306.8 | 183122.1 | S |
| 34.508 | 0.0000 | 0.0000 | 85.541 | 0.27840 | 0.00000 | 319537.6 | 102315.1 | 183122.1 | S |
| 34.517 | 0.0000 | 0.0000 | 85.540 | 0.27829 | 0.00000 | 319537.6 | 102323.5 | 183122.1 | S |
| 34.525 | 0.0000 | 0.0000 | 85.540 | 0.27817 | 0.00000 | 319537.6 | 102331.8 | 183122.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:. Scenario 1 :: pond10 100 yr $/ 24$ Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (f/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ff}^{3}$ ) | Cumulative Infiltration Volume (ft ${ }^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 34.533 | 0.0000 | 0.0000 | 85.539 | 0.27806 | 0.00000 | 319537.6 | 102340.2 | 183122.1 | S |
| 34.542 | 0.0000 | 0.0000 | 85.539 | 0.27795 | 0.00000 | 319537.6 | 102348.5 | 183122.1 | S |
| 34.550 | 0.0000 | 0.0000 | 85.538 | 0.27783 | 0.00000 | 319537.6 | 102356.9 | 183122.1 | S |
| 34.558 | 0.0000 | 0.0000 | 85.537 | 0.27772 | 0.00000 | 319537.6 | 102365.2 | 183122.1 | S |
| 34.567 | 0.0000 | 0.0000 | 85.537 | 0.27761 | 0.00000 | 319537.6 | 102373.5 | 183122.1 | S |
| 34.575 | 0.0000 | 0.0000 | 85.536 | 0.27750 | 0.00000 | 319537.6 | 102381.9 | 183122.1 | S |
| 34.583 | 0.0000 | 0.0000 | 85.536 | 0.27738 | 0.00000 | 319537.6 | 102390.2 | 183122.1 | S |
| 34.592 | 0.0000 | 0.0000 | 85.535 | 0.27727 | 0.00000 | 319537.6 | 102398.5 | 183122.1 | S |
| 34.600 | 0.0000 | 0.0000 | 85.535 | 0.27716 | 0.00000 | 319537.6 | 102406.8 | 183122.1 | S |
| 34.608 | 0.0000 | 0.0000 | 85.534 | 0.27704 | 0.00000 | 319537.6 | 102415.1 | 183122.1 | S |
| 34.617 | 0.0000 | 0.0000 | 85.534 | 0.27693 | 0.00000 | 319537.6 | 102423.4 | 183122.1 | S |
| 34.625 | 0.0000 | 0.0000 | 85.533 | 0.27682 | 0.00000 | 319537.6 | 102431.7 | 183122.1 | S |
| 34.633 | 0.0000 | 0.0000 | 85.533 | 0.27671 | 0.00000 | 319537.6 | 102440.0 | 183122.1 | S |
| 34.642 | 0.0000 | 0.0000 | 85.532 | 0.27659 | 0.00000 | 319537.6 | 102448.3 | 183122.1 | S |
| 34.650 | 0.0000 | 0.0000 | 85.531 | 0.27648 | 0.00000 | 319537.6 | 102456.6 | 183122.1 | S |
| 34.658 | 0.0000 | 0.0000 | 85.531 | 0.27637 | 0.00000 | 319537.6 | 102464.9 | 183122.1 | S |
| 34.667 | 0.0000 | 0.0000 | 85.530 | 0.27626 | 0.00000 | 319537.6 | 102473.2 | 183122.1 | S |
| 34.675 | 0.0000 | 0.0000 | 85.530 | 0.27615 | 0.00000 | 319537.6 | 102481.5 | 183122.1 | S |
| 34.683 | 0.0000 | 0.0000 | 85.529 | 0.27604 | 0.00000 | 319537.6 | 102489.8 | 183122.1 | S |
| 34.692 | 0.0000 | 0.0000 | 85.529 | 0.27592 | 0.00000 | 319537.6 | 102498.1 | 183122.1 | S |
| 34.700 | 0.0000 | 0.0000 | 85.528 | 0.27581 | 0.00000 | 319537.6 | 102506.4 | 183122.1 | S |
| 34.708 | 0.0000 | 0.0000 | 85.528 | 0.27570 | 0.00000 | 319537.6 | 102514.6 | 183122.1 | S |
| 34.717 | 0.0000 | 0.0000 | 85.527 | 0.27559 | 0.00000 | 319537.6 | 102522.9 | 183122.1 | S |
| 34.725 | 0.0000 | 0.0000 | 85.526 | 0.27548 | 0.00000 | 319537.6 | 102531.2 | 183122.1 | S |
| 34.733 | 0.0000 | 0.0000 | 85.526 | 0.27537 | 0.00000 | 319537.6 | 102539.4 | 183122.1 | S |
| 34.742 | 0.0000 | 0.0000 | 85.525 | 0.27526 | 0.00000 | 319537.6 | 102547.7 | 183122.1 | S |
| 34.750 | 0.0000 | 0.0000 | 85.525 | 0.27514 | 0.00000 | 319537.6 | 102555.9 | 183122.1 | S |
| 34.758 | 0.0000 | 0.0000 | 85.524 | 0.27503 | 0.00000 | 319537.6 | 102564.2 | 183122.1 | S |
| 34.767 | 0.0000 | 0.0000 | 85.524 | 0.27492 | 0.00000 | 319537.6 | 102572.4 | 183122.1 | S |
| 34.775 | 0.0000 | 0.0000 | 85.523 | 0.27481 | 0.00000 | 319537.6 | 102580.7 | $183 \downarrow 22.1$ | S |
| 34.783 | 0.0000 | 0.0000 | 85.523 | 0.27470 | 0.00000 | 319537.6 | 102588.9 | 183122.1 | S |
| 34.792 | 0.0000 | 0.0000 | 85.522 | 0.27459 | 0.00000 | 319537.6 | 102597.2 | 183122.1 | S |
| 34.800 | 0.0000 | 0.0000 | 85.521 | 0.27448 | 0.00000 | 319537.6 | 102605.4 | 183122.1 | S |
| 34.808 | 0.0000 | 0.0000 | 85.521 | 0.27437 | 0.00000 | 319537.6 | 102613.6 | 183122.1 | S |
| 34.817 | 0.0000 | 0.0000 | 85.520 | 0.27426 | 0.00000 | 319537.6 | 102621.9 | 183122.1 | S |
| 34.825 | 0.0000 | 0.0000 | 85.520 | 0.27415 | 0.00000 | 319537.6 | 102630.1 | 183122.1 | S |
| 34.833 | 0.0000 | 0.0000 | 85.519 | 0.27404 | 0.00000 | 319537.6 | 102638.3 | 183122.1 | S |
| 34.842 | 0.0000 | 0.0000 | 85.519 | 0.27393 | 0.00000 | 319537.6 | 102646.5 | 183122.1 | S |
| 34.850 | 0.0000 | 0.0000 | 85.518 | 0.27382 | 0.00000 | 319537.6 | 102654.8 | 183122.1 | S |
| 34.858 | 0.0000 | 0.0000 | 85.518 | 0.27371 | 0.00000 | 319537.6 | 102663.0 | 183122.1 | S |
| 34.867 | 0.0000 | 0.0000 | 85.517 | 0.27360 | 0.00000 | 319537.6 | 102671.2 | 183122.1 | S |
| 34.875 | 0.0000 | 0.0000 | 85.517 | 0.27349 | 0.00000 | 319537.6 | 102679.4 | 183122.1 | S |
| 34.883 | 0.0000 | 0.0000 | 85.516 | 0.27338 | 0.00000 | 319537.6 | 102687.6 | 183122.1 | S |
| 34.892 | 0.0000 | 0.0000 | 85.515 | 0.27327 | 0.00000 | 319537.6 | 102695.8 | 183122.1 | S |
| 34.900 | 0.0000 | 0.0000 | 85.515 | 0.27316 | 0.00000 | 319537.6 | 102704.0 | 183122.1 | S |
| 34.908 | 0.0000 | 0.0000 | 85.514 | 0.27305 | 0.00000 | 319537.6 | 102712.2 | 183122.1 | S |
| 34.917 | 0.0000 | 0.0000 | 85.514 | 0.27294 | 0.00000 | 319537.6 | 102720.4 | 183122.1 | S |
| 34.925 | 0.0000 | 0.0000 | 85.513 | 0.27283 | 0.00000 | 319537.6 | 102728.5 | 183122.1 | S |
| 34.933 | 0.0000 | 0.0000 | 85.513 | 0.27272 | 0.00000 | 319537.6 | 102736.7 | 183122.1 | S |
| 34.942 | 0.0000 | 0.0000 | 85.512 | 0.27261 | 0.00000 | 319537.6 | 102744.9 | 183122.1 | S |
| 34.950 | 0.0000 | 0.0000 | 85.512 | 0.27250 | 0.00000 | 319537.6 | 102753.1 | 183122.1 | S |
| 34.958 | 0.0000 | 0.0000 | 85.511 | 0.27239 | 0.00000 | 319537.6 | 102761.3 | 183122.1 | S |
| 34.967 | 0.0000 | 0.0000 | 85.511 | 0.27228 | 0.00000 | 319537.6 | 102769.4 | 183122.1 | S |
| 34.975 | 0.0000 | 0.0000 | 85.510 | 0.27218 | 0.00000 | 319537.6 | 102777.6 | 183122.1 | S |
| 34.983 | 0.0000 | 0.0000 | 85.509 | 0.27207 | 0.00000 | 319537.6 | 102785.8 | 183122.1 | S |
| 34.992 | 0.0000 | 0.0000 | 85.509 | 0.27196 | 0.00000 | 319537.6 | 102793.9 | 183122.1 | S |
| 35.000 | 0.0000 | 0.0000 | 85.508 | 0.27185 | 0.00000 | 319537.6 | 102802.1 | 183122.1 | S |
| 35.008 | 0.0000 | 0.0000 | 85.508 | 0.27174 | 0.00000 | 319537.6 | 102810.2 | 183122.1 | S |
| 35.017 | 0.0000 | 0.0000 | 85.507 | 0.27163 | 0.00000 | 319537.6 | 102818.4 | 183122.1 | S |
| 35.025 | 0.0000 | 0.0000 | 85.507 | 0.27152 | 0.00000 | 319537.6 | 102826.5 | 183122.1 | S |
| 35.033 | 0.0000 | 0.0000 | 85.506 | 0.27142 | 0.00000 | 319537.6 | 102834.7 | 183122.1 | S |
| 35.042 | 0.0000 | 0.0000 | 85.506 | 0.27131 | 0.00000 | 319537.6 | 102842.8 | 183122.1 | S |
| 35.050 | 0.0000 | 0.0000 | 85.505 | 0.27120 | 0.00000 | 319537.6 | 102851.0 | 183122.1 | S |
| 35.058 | 0.0000 | 0.0000 | 85.505 | 0.27109 | 0.00000 | 319537.6 | 102859.1 | 183122.1 | S |
| 35.067 | 0.0000 | 0.0000 | 85.504 | 0.27098 | 0.00000 | 319537.6 | 102867.2 | 183122.1 | S |
| 35.075 | 0.0000 | 0.0000 | 85.503 | 0.27088 | 0.00000 | 319537.6 | 102875.3 | 183122.1 | S |
| 35.083 | 0.0000 | 0.0000 | 85.503 | 0.27077 | 0.00000 | 319537.6 | 102883.5 | 183122.1 | S |
| 35.092 | 0.0000 | 0.0000 | 85.502 | 0.27066 | 0.00000 | 319537.6 | 102891.6 | 183122.1 | S |
| 35.100 | 0.0000 | 0.0000 | 85.502 | 0.27055 | 0.00000 | 319537.6 | 102899.7 | 183122.1 | S |
| 35.108 | 0.0000 | 0.0000 | 85.501 | 0.27044 | 0.00000 | 319537.6 | 102907.8 | 183122.1 | S |
| 35.117 | 0.0000 | 0.0000 | 85.501 | 0.27034 | 0.00000 | 319537.6 | 102915.9 | 183122.1 | S |
| 35.125 | 0.0000 | 0.0000 | 85.500 | 0.27023 | 0.00000 | 319537.6 | 102924.0 | 183122.1 | S |
| 35.133 | 0.0000 | 0.0000 | 85.500 | 0.27012 | 0.00000 | 319537.6 | 102932.1 | 183122.1 | S |
| 35.142 | 0.0000 | 0.0000 | 85.499 | 0.27001 | 0.00000 | 319537.6 | 102940.3 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{tt}^{3 / 3}$ ) | Outside Recharge (It/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overfow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infilkration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 35.150 | 0.0000 | 0.0000 | 85.499 | 0.26991 | 0.00000 | 319537.6 | 102948.4 | \$83122.1 | S |
| 35.158 | 0.0000 | 0.0000 | 85.498 | 0.26980 | 0.00000 | 319537.6 | 102956.4 | 183122.1 | S |
| 35.167 | 0.0000 | 0.0000 | 85.497 | 0.26969 | 0.00000 | 319537.6 | 102964.5 | 183122.1 | S |
| 35.175 | 0.0000 | 0.0000 | 85.497 | 0.26959 | 0.00000 | 319537.6 | 102972.6 | 183122.1 | S |
| 35.183 | 0.0000 | 0.0000 | 85.496 | 0.26948 | 0.00000 | 319537.6 | 102980.7 | 183122.1 | S |
| 35.192 | 0.0000 | 0.0000 | 85.496 | 0.26937 | 0.00000 | 319537.6 | 102988.8 | 183122.1 | S |
| 35.200 | 0.0000 | 0.0000 | 85.495 | 0.26927 | 0.00000 | 319537.6 | 102996.9 | 183122.1 | S |
| 35.208 | 0.0000 | 0.0000 | 85.495 | 0.26916 | 0.00000 | 319537.6 | 103005.0 | 183122.1 | S |
| 35.217 | 0.0000 | 0.0000 | 85.494 | 0.26905 | 0.00000 | 319537.6 | 103013.0 | 183122.1 | S |
| 35.225 | 0.0000 | 0.0000 | 85.494 | 0.26895 | 0.00000 | 319537.6 | 103021.1 | 183122.1 | S |
| 35.233 | 0.0000 | 0.0000 | 85.493 | 0.26884 | 0.00000 | 319537.6 | 103029.2 | 183122.1 | S |
| 35.242 | 0.0000 | 0.0000 | 85.493 | 0.26873 | 0.00000 | 319537.6 | 103037.2 | 183122.1 | S |
| 35.250 | 0.0000 | 0.0000 | 85.492 | 0.26863 | 0.00000 | 319537.6 | 103045.3 | 183722.1 | S |
| 35,258 | 0.0000 | 0.0000 | 85.491 | 0.26852 | 0.00000 | 319537.6 | 103053.3 | 183122.1 | S |
| 35.267 | 0.0000 | 0.0000 | 85.491 | 0.26842 | 0.00000 | 319537.6 | 103061.4 | 183122.1 | S |
| 35.275 | 0.0000 | 0.0000 | 85.490 | 0.26831 | 0.00000 | 319537.6 | 103069.4 | 183122.1 | S |
| 35.283 | 0.0000 | 0.0000 | 85.490 | 0.26820 | 0.00000 | 319537.6 | 103077.5 | 183122.1 | S |
| 35.292 | 0.0000 | 0.0000 | 85.489 | 0.26810 | 0.00000 | 319537.6 | 103085.5 | 183122.1 | S |
| 35.300 | 0.0000 | 0.0000 | 85.489 | 0.26799 | 0.00000 | 319537.6 | 103093.6 | 183122.1 | S |
| 35.308 | 0.0000 | 0.0000 | 85.488 | 0.26789 | 0.00000 | 319537.6 | 103101.6 | 183122.1 | S |
| 35.317 | 0.0000 | 0.0000 | 85.488 | 0.26778 | 0.00000 | 319537.6 | 103109.7 | 183122.1 | S |
| 35.325 | 0.0000 | 0.0000 | 85.487 | 0.26767 | 0.00000 | 319537.6 | 103117.7 | 183122.1 | S |
| 35.333 | 0.0000 | 0.0000 | 85.487 | 0.26757 | 0.00000 | 319537.6 | 103125.7 | 183122.1 | S |
| 35.342 | 0.0000 | 0.0000 | 85.486 | 0.26746 | 0.00000 | 319537.6 | 103133.7 | 183122.1 | S |
| 35.350 | 0.0000 | 0.0000 | 85.486 | 0.26736 | 0.00000 | 319537.6 | 103141.8 | 183122.1 | S |
| 35.358 | 0.0000 | 0.0000 | 85.485 | 0.26725 | 0.00000 | 319537.6 | 103148.8 | 183122.1 | S |
| 35.367 | 0.0000 | 0.0000 | 85.484 | 0.26715 | 0.00000 | 319537.6 | 103157.8 | 183122.1 | S |
| 35.375 | 0.0000 | 0.0000 | 85.484 | 0.26704 | 0.00000 | 319537.6 | 103165.8 | 183122.1 | S |
| 35.383 | 0.0000 | 0.0000 | 85.483 | 0.26694 | 0.00000 | 319537.6 | 103173.8 | 183122.1 | S |
| 35.392 | 0.0000 | 0.0000 | 85.483 | 0.26683 | 0.00000 | 319537.6 | 103181.8 | 183122.1 | S |
| 35.400 | 0.0000 | 0.0000 | 85.482 | 0.26673 | 0.00000 | 319537.6 | 103189.8 | 183122.1 | S |
| 35.408 | 0.0000 | 0.0000 | 85.482 | 0.26662 | 0.00000 | 319537.6 | 103197.8 | 183122.1 | S |
| 35.417 | 0.0000 | 0.0000 | 85.481 | 0.26652 | 0.00000 | 319537.6 | 103205.8 | 183122.1 | S |
| 35.425 | 0.0000 | 0.0000 | 85.481 | 0.26641 | 0.00000 | 319537.6 | 103213.8 | 183122.1 | S |
| 35.433 | 0.0000 | 0.0000 | 85.480 | 0.26631 | 0.00000 | 319537.6 | 103221.8 | 183122.1 | S |
| 35.442 | 0.0000 | 0.0000 | 85.480 | 0.26621 | 0.00000 | 319537.6 | 103229.8 | $183\{22.1$ | S |
| 35.450 | 0.0000 | 0.0000 | 85.479 | 0.26610 | 0.00000 | 319537.6 | 103237.8 | 183122.1 | S |
| 35.458 | 0.0000 | 0.0000 | 85.479 | 0.26600 | 0.00000 | 319537.6 | 103245.8 | 183122.1 | S |
| 35.467 | 0.0000 | 0.0000 | 85.478 | 0.26589 | 0.00000 | 319537.6 | 103253.7 | 183122.1 | S |
| 35.475 | 0.0000 | 0.0000 | 85.477 | 0.26579 | 0.00000 | 319537.6 | 103261.7 | 183122.1 | S |
| 35.483 | 0.0000 | 0.0000 | 85.477 | 0.26568 | 0.00000 | 319537.6 | 103269.7 | 183122.1 | S |
| 35.492 | 0.0000 | 0.0000 | 85.476 | 0.26558 | 0.00000 | 319537.6 | 103277.7 | 183122.1 | S |
| 35.500 | 0.0000 | 0.0000 | 85.476 | 0.26548 | 0.00000 | 319537.6 | 103285.6 | 183122.1 | S |
| 35.508 | 0.0000 | 0.0000 | 85.475 | 0.26537 | 0.00000 | 319537.6 | 103293.6 | 183122.1 | S |
| 35.517 | 0.0000 | 0.0000 | 85.475 | 0.26527 | 0.00000 | 319537.6 | 103301.5 | 183122.1 | S |
| 35.525 | 0.0000 | 0.0000 | 85.474 | 0.26516 | 0.00000 | 319537.6 | 103309.5 | 183122.1 | S |
| 35.533 | 0.0000 | 0.0000 | 85.474 | 0.26506 | 0.00000 | 319537.6 | 103317.5 | 183122.1 | S |
| 35.542 | 0.0000 | 0.0000 | 85.473 | 0.26496 | 0.00000 | 319537.6 | 103325.4 | 183122.1 | S |
| 35.550 | 0.0000 | 0.0000 | 85.473 | 0.26485 | 0.00000 | 319537.6 | 103333.4 | 183122.1 | S |
| 35.558 | 0.0000 | 0.0000 | 85.472 | 0.26475 | 0.00000 | 319537.6 | 103341.3 | 183122.1 | S |
| 35.567 | 0.0000 | 0.0000 | 85.472 | 0.26465 | 0.00000 | 319537.6 | 103349.2 | 183122.1 | S |
| 35.575 | 0.0000 | 0.0000 | 85.471 | 0.26454 | 0.00000 | 319537.6 | 103357.2 | 183122.1 | S |
| 35.583 | 0.0000 | 0.0000 | 85.470 | 0.26444 | 0.00000 | 319537.6 | 103365.1 | 183122.1 | S |
| 35.592 | 0.0000 | 0.0000 | 85.470 | 0.26434 | 0.00000 | 319537.6 | 103373.0 | 183122.1 | S |
| 35.600 | 0.0000 | 0.0000 | 85.469 | 0.26423 | 0.00000 | 319537.6 | 103381.0 | 183122.1 | S |
| 35.608 | 0.0000 | 0.0000 | 85.469 | 0.26413 | 0.00000 | 319537.6 | 103388.9 | 183122.1 | S |
| 35.617 | 0.0000 | 0.0000 | 85.468 | 0.26403 | 0.00000 | 319537.6 | 103396.8 | 183122.1 | S |
| 35.625 | 0.0000 | 0.0000 | 85.468 | 0.26393 | 0.00000 | 319537.6 | 103404.7 | 183122.1 | S |
| 35.633 | 0.0000 | 0.0000 | 85.467 | 0.26382 | 0.00000 | 319537.6 | 103412.7 | 183122.1 | S |
| 35.642 | 0.0000 | 0.0000 | 85.467 | 0.26372 | 0.00000 | 319537.6 | 103420.6 | 183122.1 | S |
| 35.650 | 0.0000 | 0.0000 | 85.466 | 0.26362 | 0.00000 | 319537.6 | 103428.5 | 183122.1 | S |
| 35.658 | 0.0000 | 0.0000 | 85.466 | 0.26352 | 0.00000 | 319537.6 | 103436.4 | 183122.1 | S |
| 35.667 | 0.0000 | 0.0000 | 85.465 | 0.26341 | 0.00000 | 319537.6 | 103444.3 | 183122.1 | S |
| 35.675 | 0.0000 | 0.0000 | 85.465 | 0.26331 | 0.00000 | 319537.6 | 103452.2 | 183122.1 | S |
| 35.683 | 0.0000 | 0.0000 | 85.464 | 0.26321 | 0.00000 | 319537.6 | 103460.1 | 183122.1 | S |
| 35.692 | 0.0000 | 0.0000 | 85.464 | 0.26311 | 0.00000 | 319537.6 | 103468.0 | 183122.1 | S |
| 35.700 | 0.0000 | 0.0000 | 85.463 | 0.26300 | 0.00000 | 319537.6 | 103475.9 | 183122.1 | S |
| 35.708 | 0.0000 | 0.0000 | 85.462 | 0.26290 | 0.00000 | 319537.6 | 103483.8 | 183122.1 | S |
| 35.717 | 0.0000 | 0.0000 | 85.462 | 0.26280 | 0.00000 | 319537.6 | 103491.6 | 183122.1 | S |
| 35.725 | 0.0000 | 0.0000 | 85.461 | 0.26270 | 0.00000 | 319537.6 | 103499.5 | 183122.1 | S |
| 35.733 | 0.0000 | 0.0000 | 85.461 | 0.26260 | 0.00000 | 319537.6 | 103507.4 | 183122.1 | S |
| 35.742 | 0.0000 | 0.0000 | 85.460 | 0.26249 | 0.00000 | 319537.6 | 103515.3 | 183122.1 | S |
| 35.750 | 0.0000 | 0.0000 | 85.460 | 0.26239 | 0.00000 | 319537.6 | 103523.2 | 183122.1 | S |
| 35.758 | 0.0000 | 0.0000 | 85.459 | 0.26229 | 0.00000 | 319537.6 | 103531.0 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{fl}^{3 / 1} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Overlow <br> Discharge $\left(\mathrm{ft}^{3 / s}\right)$ | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 35.767 | 0.0000 | 0.0000 | 85.459 | 0.26219 | 0.00000 | 319537.6 | 103538.9 | 183122.1 | S |
| 35.775 | 0.0000 | 0.0000 | 85.458 | 0.26209 | 0.00000 | 319537.6 | 103546.8 | 183122.1 | S |
| 35.783 | 0.0000 | 0.0000 | 85.458 | 0.26199 | 0.00000 | 319537.6 | 103554.6 | 183122.1 | S |
| 35.792 | 0.0000 | 0.0000 | 85.457 | 0.26189 | 0.00000 | 319537.6 | 103562.5 | 183122.1 | S |
| 35.800 | 0.0000 | 0.0000 | 85.457 | 0.26178 | 0.00000 | 319537.6 | 103570.3 | 183122.1 | S |
| 35.808 | 0.0000 | 0.0000 | 85.456 | 0.26168 | 0.00000 | 319537.6 | 103578.2 | 183122.1 | S |
| 35.817 | 0.0000 | 0.0000 | 85.456 | 0.26158 | 0.00000 | 319537.6 | 103586.0 | 183122.1 | S |
| 35.825 | 0.0000 | 0.0000 | 85.455 | 0.26148 | 0.00000 | 319537.6 | 103593.9 | 183122.1 | S |
| 35.833 | 0.0000 | 0.0000 | 85.455 | 0.26138 | 0.00000 | 319537.6 | 103601.7 | 183122.1 | S |
| 35.842 | 0.0000 | 0.0000 | 85.454 | 0.26128 | 0.00000 | 319537.6 | 103609.6 | 183122.1 | S |
| 35.850 | 0.0000 | 0.0000 | 85.453 | 0.26118 | 0.00000 | 319537.6 | 103617.4 | 183122.1 | S |
| 35.858 | 0.0000 | 0.0000 | 85.453 | 0.26108 | 0.00000 | 319537.6 | 103625.2 | 183122.1 | S |
| 35.867 | 0.0000 | 0.0000 | 85.452 | 0.26098 | 0.00000 | 319537.6 | 103633.1 | 183122.1 | S |
| 35.875 | 0.0000 | 0.0000 | 85.452 | 0.26088 | 0.00000 | 319537.6 | 103640.9 | 183122.1 | S |
| 35.883 | 0.0000 | 0.0000 | 85.451 | 0.26078 | 0.00000 | 319537.6 | 103648.7 | 183122.1 | S |
| 35.892 | 0.0000 | 0.0000 | 85.451 | 0.26067 | 0.00000 | 319537.6 | 103656.5 | 183122.1 | S |
| 35.900 | 0.0000 | 0.0000 | 85.450 | 0.26057 | 0.00000 | 319537.6 | 103664.4 | 183122.1 | S |
| 35.908 | 0.0000 | 0.0000 | 85.450 | 0.26047 | 0.00000 | 319537.6 | 103672.2 | 183122.1 | S |
| 35.917 | 0.0000 | 0.0000 | 85.449 | 0.26037 | 0.00000 | 319537.6 | 103680.0 | 183122.1 | S |
| 35.925 | 0.0000 | 0.0000 | 85.449 | 0.26027 | 0.00000 | 319537.6 | 103687.8 | 183122.1 | S |
| 35.933 | 0.0000 | 0.0000 | 85.448 | 0.26017 | 0.00000 | 319537.6 | 103695.6 | 183122.1 | S |
| 35.942 | 0.0000 | 0.0000 | 85.448 | 0.26007 | 0.00000 | 319537.6 | 103703.4 | 183122.1 | S |
| 35.950 | 0.0000 | 0.0000 | 85.447 | 0.25997 | 0.00000 | 319537.6 | 103711.2 | 183122.1 | S |
| 35.958 | 0.0000 | 0.0000 | 85.447 | 0.25987 | 0.00000 | 319537.6 | 103719.0 | 183122.1 | S |
| 35.967 | 0.0000 | 0.0000 | 85.446 | 0.25977 | 0.00000 | 319537.6 | 103726.8 | 183122.1 | S |
| 35.975 | 0.0000 | 0.0000 | 85.446 | 0.25967 | 0.00000 | 319537.6 | 103734.6 | 183!22.1 | S |
| 35.983 | 0.0000 | 0.0000 | 85.445 | 0.25957 | 0.00000 | 319537.6 | 103742.4 | 183122.1 | S |
| 35.992 | 0.0000 | 0.0000 | 85.444 | 0.25947 | 0.00000 | 319537.6 | 103750.2 | 183122.1 | S |
| 36.000 | 0.0000 | 0.0000 | 85.444 | 0.25937 | 0.00000 | 319537.6 | 103758.0 | 183122.1 | S |
| 36.008 | 0.0000 | 0.0000 | 85.443 | 0.25928 | 0.00000 | 319537.6 | 103765.7 | 183122.1 | S |
| 36.017 | 0.0000 | 0.0000 | 85.443 | 0.25918 | 0.00000 | 319537.6 | 103773.5 | \$83122.1 | S |
| 36.025 | 0.0000 | 0.0000 | 85.442 | 0.25908 | 0.00000 | 319537.6 | 103781.3 | 183122.1 | S |
| 36.033 | 0.0000 | 0.0000 | 85.442 | 0.25898 | 0.00000 | 319537.6 | 103789.1 | 183122.1 | S |
| 36.042 | 0.0000 | 0.0000 | 85.441 | 0.25888 | 0.00000 | 319537.6 | 103796.8 | 183122.1 | S |
| 36.050 | 0.0000 | 0.0000 | 85.441 | 0.25878 | 0.00000 | 319537.6 | 103804.6 | 183122.1 | S |
| 36.058 | 0.0000 | 0.0000 | 85.440 | 0.25868 | 0.00000 | 319537.6 | 103812.4 | 183122.1 | S |
| 36.067 | 0.0000 | 0.0000 | 85.440 | 0.25858 | 0.00000 | 319537.6 | 103820.1 | 183122.1 | S |
| 36.075 | 0.0000 | 0.0000 | 85.439 | 0.25848 | 0.00000 | 319537.6 | 103827.9 | 183122.1 | S |
| 36.083 | 0.0000 | 0.0000 | 85.439 | 0.25838 | 0.00000 | 319537.6 | 103835.6 | 183122.1 | S |
| 36.092 | 0.0000 | 0.0000 | 85.438 | 0.25828 | 0.00000 | 319537.6 | 103843.4 | 183122.1 | S |
| 36.100 | 0.0000 | 0.0000 | 85.438 | 0.25819 | 0.00000 | 319537.6 | 103851.1 | 183122.1 | S |
| 36.108 | 0.0000 | 0.0000 | 85.437 | 0.25809 | 0.00000 | 319537.6 | 103858.9 | 183122.1 | S |
| 36.117 | 0.0000 | 0.0000 | 85.437 | 0.25799 | 0.00000 | 319537.6 | 103866.6 | 183122.1 | S |
| 36.125 | 0.0000 | 0.0000 | 85.436 | 0.25789 | 0.00000 | 319537.6 | 103874.3 | 183122.1 | S |
| 36.133 | 0.0000 | 0.0000 | 85.435 | 0.25779 | 0.00000 | 319537.6 | 103882.1 | 183122.1 | S |
| 36.142 | 0.0000 | 0.0000 | 85.435 | 0.25769 | 0.00000 | 319537.6 | 103889.8 | 183122.1 | S |
| 36.150 | 0.0000 | 0.0000 | 85.434 | 0.25759 | 0.00000 | 319537.6 | 103897.5 | 183122.1 | S |
| 36.158 | 0.0000 | 0.0000 | 85.434 | 0.25750 | 0.00000 | 319537.6 | 103905.3 | 183122.1 | S |
| 36.167 | 0.0000 | 0.0000 | 85.433 | 0.25740 | 0.00000 | 319537.6 | 103913.0 | 183122.1 | S |
| 36.175 | 0.0000 | 0.0000 | 85.433 | 0.25730 | 0.00000 | 319537.6 | 103920.7 | 183122.1 | S |
| 36.183 | 0.0000 | 0.0000 | 85.432 | 0.25720 | 0.00000 | 319537.6 | 103928.4 | 183122.1 | S |
| 36.192 | 0.0000 | 0.0000 | 85.432 | 0.25710 | 0.00000 | 319537.6 | 103936.1 | 183122.1 | S |
| 36.200 | 0.0000 | 0.0000 | 85.431 | 0.25701 | 0.00000 | 319537.6 | 103943.9 | 183122.1 | S |
| 36.208 | 0.0000 | 0.0000 | 85.431 | 0.25691 | 0.00000 | 319537.6 | 103951.6 | 183122.1 | S |
| 36.217 | 0.0000 | 0.0000 | 85.430 | 0.25681 | 0.00000 | 319537.6 | 103959.3 | 183122.1 | S |
| 36.225 | 0.0000 | 0.0000 | 85.430 | 0.25671 | 0.00000 | 319537.6 | 103967.0 | 183122.1 | S |
| 36.233 | 0.0000 | 0.0000 | 85.429 | 0.25662 | 0.00000 | 319537.6 | 103974.7 | 183122.1 | S |
| 36.242 | 0.0000 | 0.0000 | 85.429 | 0.25652 | 0.00000 | 319537.6 | 103982.4 | 183122.1 | S |
| 36.250 | 0.0000 | 0.0000 | 85.428 | 0.25642 | 0.00000 | 319537.6 | 103990.1 | 183122.1 | S |
| 36.258 | 0.0000 | 0.0000 | 85.428 | 0.25632 | 0.00000 | 319537.6 | 103997.8 | 183122.1 | S |
| 36.267 | 0.0000 | 0.0000 | 85.427 | 0.25623 | 0.00000 | 319537.6 | 104005.4 | 183122.1 | S |
| 36.275 | 0.0000 | 0.0000 | 85.427 | 0.25613 | 0.00000 | 319537.6 | 104013.1 | 183122.1 | S |
| 36.283 | 0.0000 | 0.0000 | 85.426 | 0.25603 | 0.00000 | 319537.6 | 104020.8 | 183122.1 | S |
| 36.292 | 0.0000 | 0.0000 | 85.426 | 0.25593 | 0.00000 | 319537.6 | 104028.5 | 183122.1 | S |
| 36.300 | 0.0000 | 0.0000 | 85.425 | 0.25584 | 0.00000 | 319537.6 | 104036.2 | 183122.7 | S |
| 36.308 | 0.0000 | 0.0000 | 85.424 | 0.25574 | 0.00000 | 319537.6 | 104043.8 | 183122.1 | S |
| 36.317 | 0.0000 | 0.0000 | 85.424 | 0.25564 | 0.00000 | 319537.6 | 104051.5 | 183122.1 | S |
| 36.325 | 0.0000 | 0.0000 | 85.423 | 0.25555 | 0.00000 | 319537.6 | 104059.2 | 183122.1 | S |
| 36.333 | 0.0000 | 0.0000 | 85.423 | 0.25545 | 0.00000 | 319537.6 | 104066.8 | 183122.1 | S |
| 36.342 | 0.0000 | 0.0000 | 85.422 | 0.25535 | 0.00000 | 319537.6 | 104074.5 | 183122.1 | S |
| 36.350 | 0.0000 | 0.0000 | 85.422 | 0.25526 | 0.00000 | 319537.6 | 104082.2 | 183122.1 | S |
| 36.358 | 0.0000 | 0.0000 | 85.421 | 0.25516 | 0.00000 | 319537.6 | 104089.8 | 183122.1 | S |
| 36.367 | 0.0000 | 0.0000 | 85.421 | 0.25506 | 0.00000 | 319537.6 | 104097.5 | 183122.1 | S |
| 36.375 | 0.0000 | 0.0000 | 85.420 | 0.25497 | 0.00000 | 319537.6 | 104105.1 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario $1::$ pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (fidday) | Stage Elevation (ft datum) | Infistration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{fl}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 36.383 | 0.0000 | 0.0000 | 85.420 | 0.25487 | 0.00000 | 319537.6 | 104112.8 | 183122.1 | S |
| 36.392 | 0.0000 | 0.0000 | 85.419 | 0.25477 | 0.00000 | 319537.6 | 104120.4 | 183122.1 | S |
| 36.400 | 0.0000 | 0.0000 | 85.419 | 0.25468 | 0.00000 | 319537.6 | 104128.1 | 183122.1 | S |
| 36.408 | 0.0000 | 0.0000 | 85.418 | 0.25458 | 0.00000 | 319537.6 | 104135.7 | 183122.1 | S |
| 36.417 | 0.0000 | 0.0000 | 85.418 | 0.25448 | 0.00000 | 319537.6 | 104143.3 | 183122.1 | S |
| 36.425 | 0.0000 | 0.0000 | 85.417 | 0.25439 | 0.00000 | 319537.6 | 104151.0 | 183122.1 | S |
| 36.433 | 0.0000 | 0.0000 | 85.417 | 0.25429 | 0.00000 | 319537.6 | 104158.6 | 183122.1 | S |
| 36.442 | 0.0000 | 0.0000 | 85.416 | 0.25420 | 0.00000 | 319537.6 | 104166.2 | 183122.1 | S |
| 36.450 | 0.0000 | 0.0000 | 85.416 | 0.25410 | 0.00000 | 319537.6 | 104173.8 | 183122.1 | S |
| 36.458 | 0.0000 | 0.0000 | 85.415 | 0.25400 | 0.00000 | 319537.6 | 104181.5 | 183122.1 | S |
| 36.467 | 0.0000 | 0.0000 | 85.415 | 0.25391 | 0.00000 | 319537.6 | 104189.1 | 183122.1 | S |
| 36.475 | 0.0000 | 0.0000 | 85.414 | 0.25381 | 0.00000 | 319537.6 | 104196.7 | 183122.1 | S |
| 36.483 | 0.0000 | 0.0000 | 85.414 | 0.25372 | 0.00000 | 319537.6 | 104204.3 | 183122.1 | S |
| 36.492 | 0.0000 | 0.0000 | 85.413 | 0.25362 | 0.00000 | 319537.6 | 104211.9 | 183122.1 | S |
| 36.500 | 0.0000 | 0.0000 | 85.413 | 0.25353 | 0.00000 | 319537.6 | 104219.5 | 183122.1 | S |
| 36.508 | 0.0000 | 0.0000 | 85.412 | 0.25343 | 0.00000 | 319537.6 | 104227.1 | 183122.1 | S |
| 36.517 | 0.0000 | 0.0000 | 85.411 | 0.25334 | 0.00000 | 319537.6 | 104234.7 | 183122.1 | S |
| 36.525 | 0.0000 | 0.0000 | 85.411 | 0.25324 | 0.00000 | 319537.6 | 104242.3 | 183122.1 | S |
| 36.533 | 0.0000 | 0.0000 | 85.410 | 0.25315 | 0.00000 | 319537.6 | 104249.9 | 183122.1 | S |
| 36.542 | 0.0000 | 0.0000 | 85.410 | 0.25305 | 0.00000 | 319537.6 | 104257.5 | 183122.1 | S |
| 36.550 | 0.0000 | 0.0000 | 85.409 | 0.25296 | 0.00000 | 319537.6 | 104265.1 | 183122.1 | S |
| 36.558 | 0.0000 | 0.0000 | 85.409 | 0.25286 | 0.00000 | 319537.6 | 104272.7 | 183122.1 | S |
| 36.567 | 0.0000 | 0.0000 | 85.408 | 0.25277 | 0.00000 | 319537.6 | 104280.3 | 183122.1 | S |
| 36.575 | 0.0000 | 0.0000 | 85.408 | 0.25267 | 0.00000 | 319537.6 | 104287.9 | 183122.1 | S |
| 36.583 | 0.0000 | 0.0000 | 85.407 | 0.25258 | 0.00000 | 319537.6 | 104295.4 | 183122.1 | S |
| 36.592 | 0.0000 | 0.0000 | 85.407 | 0.25248 | 0.00000 | 319537.6 | 104303.0 | 183122.1 | S |
| 36.600 | 0.0000 | 0.0000 | 85.406 | 0.25239 | 0.00000 | 319537.6 | 104310.6 | 183122.1 | S |
| 36.608 | 0.0000 | 0.0000 | 85.406 | 0.25229 | 0.00000 | 319537.6 | 104318.2 | 183122.1 | S |
| 36.617 | 0.0000 | 0.0000 | 85.405 | 0.25220 | 0.00000 | 319537.6 | 104325.7 | 183122.1 | S |
| 36.625 | 0.0000 | 0.0000 | 85.405 | 0.25210 | 0.00000 | 319537.6 | 104333.3 | 183122.1 | S |
| 36.633 | 0.0000 | 0.0000 | 85.404 | 0.25201 | 0.00000 | 319537.6 | 104340.9 | 183122.1 | S |
| 36.642 | 0.0000 | 0.0000 | 85.404 | 0.25191 | 0.00000 | 319537.6 | 104348.4 | 183122.1 | S |
| 36.650 | 0.0000 | 0.0000 | 85.403 | 0.25182 | 0.00000 | 319537.6 | 104356.0 | 183122.1 | S |
| 36.658 | 0.0000 | 0.0000 | 85.403 | 0.25173 | 0.00000 | 319537.6 | 104363.5 | 183122.1 | S |
| 36.667 | 0.0000 | 0.0000 | 85.402 | 0.25163 | 0.00000 | 319537.6 | 104371.1 | 183122.1 | S |
| 36.675 | 0.0000 | 0.0000 | 85.402 | 0.25154 | 0.00000 | 319537.6 | 104378.6 | 183122.1 | S |
| 36.683 | 0.0000 | 0.0000 | 85.401 | 0.25144 | 0.00000 | 319537.6 | 104386.2 | 183122.1 | S |
| 36.692 | 0.0000 | 0.0000 | 85.401 | 0.25135 | 0.00000 | 319537.6 | 104393.7 | 183122.1 | S |
| 36.700 | 0.0000 | 0.0000 | 85.400 | 0.25125 | 0.00000 | 319537.6 | 104401.3 | 183122.1 | S |
| 36.708 | 0.0000 | 0.0000 | 85.400 | 0.25116 | 0.00000 | 319537.6 | 104408.8 | 183122.1 | S |
| 36.717 | 0.0000 | 0.0000 | 85.399 | 0.25107 | 0.00000 | 319537.6 | 104416.3 | 183122.1 | S |
| 36.725 | 0.0000 | 0.0000 | 85.399 | 0.25097 | 0.00000 | 319537.6 | 104423.8 | 183122.1 | S |
| 36.733 | 0.0000 | 0.0000 | 85.398 | 0.25088 | 0.00000 | 319537.6 | 104431.4 | 183122.1 | S |
| 36.742 | 0.0000 | 0.0000 | 85.398 | 0.25079 | 0.00000 | 319537.6 | 104438.9 | 183122.1 | S |
| 36.750 | 0.0000 | 0.0000 | 85.397 | 0.25069 | 0.00000 | 319537.6 | 104446.4 | 183122.1 | S |
| 36.758 | 0.0000 | 0.0000 | 85.396 | 0.25060 | 0.00000 | 319537.6 | 104453.9 | 183122.1 | S |
| 36.767 | 0.0000 | 0.0000 | 85.396 | 0.25051 | 0.00000 | 319537.6 | 104461.5 | 183122.1 | S |
| 36.775 | 0.0000 | 0.0000 | 85.395 | 0.25041 | 0.00000 | 319537.6 | 104469.0 | 183122.1 | S |
| 36.783 | 0.0000 | 0.0000 | 85.395 | 0.25032 | 0.00000 | 319537.6 | 104476.5 | 183122.1 | S |
| 36.792 | 0.0000 | 0.0000 | 85.394 | 0.25023 | 0.00000 | 319537.6 | 104484.0 | 183122.1 | S |
| 36.800 | 0.0000 | 0.0000 | 85.394 | 0.25013 | 0.00000 | 319537.6 | 104491.5 | 183122.1 | S |
| 36.808 | 0.0000 | 0.0000 | 85.393 | 0.25004 | 0.00000 | 319537.6 | 104499.0 | 183122.1 | S |
| 36.817 | 0.0000 | 0.0000 | 85.393 | 0.24995 | 0.00000 | 319537.6 | 104506.5 | 183122.1 | S |
| 36.825 | 0.0000 | 0.0000 | 85.392 | 0.24985 | 0.00000 | 319537.6 | 104514.0 | 183122.1 | S |
| 36.833 | 0.0000 | 0.0000 | 85.392 | 0.24976 | 0.00000 | 319537.6 | 104521.5 | 183122.1 | S |
| 36.842 | 0.0000 | 0.0000 | 85.391 | 0.24967 | 0.00000 | 319537.6 | 104529.0 | 183122.1 | S |
| 36.850 | 0.0000 | 0.0000 | 85.391 | 0.24958 | 0.00000 | 319537.6 | 104536.5 | 183122.1 | S |
| 36.858 | 0.0000 | 0.0000 | 85.390 | 0.24948 | 0.00000 | 319537.6 | 104544.0 | 183122.1 | S |
| 36.867 | 0.0000 | 0.0000 | 85.390 | 0.24939 | 0.00000 | 319537.6 | 104551.4 | 183122.1 | S |
| 36.875 | 0.0000 | 0.0000 | 85.389 | 0.24930 | 0.00000 | 319537.6 | 104558.9 | 183122.1 | S |
| 36.883 | 0.0000 | 0.0000 | 85.389 | 0.24920 | 0.00000 | 319537.6 | 104566.4 | 183122.1 | S |
| 36.892 | 0.0000 | 0.0000 | 85.388 | 0.24911 | 0.00000 | 319537.6 | 104573.9 | 183122.1 | S |
| 36.900 | 0.0000 | 0.0000 | 85.388 | 0.24902 | 0.00000 | 319537.6 | 104581.3 | 183122.1 | S |
| 36.908 | 0.0000 | 0.0000 | 85.387 | 0.24893 | 0.00000 | 319537.6 | 104588.8 | 183122.1 | S |
| 36.917 | 0.0000 | 0.0000 | 85.387 | 0.24884 | 0.00000 | 319537.6 | 104596.3 | 183122.1 | S |
| 36.925 | 0.0000 | 0.0000 | 85.386 | 0.24874 | 0.00000 | 319537.6 | 104603.7 | 183122.1 | S |
| 36.933 | 0.0000 | 0.0000 | 85.386 | 0.24865 | 0.00000 | 319537.6 | 104611.2 | 183122.1 | S |
| 36.942 | 0.0000 | 0.0000 | 85.385 | 0.24856 | 0.00000 | 319537.6 | 104618.7 | 183122.1 | S |
| 36.950 | 0.0000 | 0.0000 | 85.385 | 0.24847 | 0.00000 | 319537.6 | 104626.1 | 183122.1 | S |
| 36.958 | 0.0000 | 0.0000 | 85.384 | 0.24837 | 0.00000 | 319537.6 | 104633.6 | 183122.1 | S |
| 36.967 | 0.0000 | 0.0000 | 85.384 | 0.24828 | 0.00000 | 319537.6 | 104641.0 | 183122.1 | S |
| 36.975 | 0.0000 | 0.0000 | 85.383 | 0.24819 | 0.00000 | 319537.6 | 104648.5 | 183122.1 | S |
| 36.983 | 0.0000 | 0.0000 | 85.383 | 0.24810 | 0.00000 | 319537.6 | 104655.9 | 183122.1 | S |
| 36.992 | 0.0000 | 0.0000 | 85.382 | 0.24801 | 0.00000 | 319537.6 | 104663.4 | 183122.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003

Devo Seereeram, Ph.D., P.E.

## Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Infiow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (fl datum) | infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow <br> Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Infiow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Discharge Volume $\left(\mathrm{f}^{3}\right)$ | $\begin{aligned} & \text { Fiow } \\ & \text { Type } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 37.000 | 0.0000 | 0.0000 | 85.382 | 0.24792 | 0.00000 | 319537.6 | 104670.8 | 183122.1 | S |
| 37.008 | 0.0000 | 0.0000 | 85.381 | 0.24782 | 0.00000 | 319537.6 | 104678.2 | 183122.1 | S |
| 37.017 | 0.0000 | 0.0000 | 85.381 | 0.24773 | 0.00000 | 319537.6 | 104685.7 | 183122.1 | S |
| 37.025 | 0.0000 | 0.0000 | 85.380 | 0.24764 | 0.00000 | 319537.6 | 104693.1 | 183122.1 | S |
| 37.033 | 0.0000 | 0.0000 | 85.380 | 0.24755 | 0.00000 | 319537.6 | 104700.5 | 183122.1 | S |
| 37.042 | 0.0000 | 0.0000 | 85.379 | 0.24746 | 0.00000 | 319537.6 | 104707.9 | 183122.1 | S |
| 37.050 | 0.0000 | 0.0000 | 85.379 | 0.24737 | 0.00000 | 319537.6 | 104715.4 | 183122.1 | S |
| 37.058 | 0.0000 | 0.0000 | 85.378 | 0.24728 | 0.00000 | 319537.6 | 104722.8 | 183122.1 | S |
| 37.067 | 0.0000 | 0.0000 | 85.378 | 0.24718 | 0.00000 | 319537.6 | 104730.2 | 183122.1 | S |
| 37.075 | 0.0000 | 0.0000 | 85.377 | 0.24709 | 0.00000 | 319537.6 | 104737.6 | 183122.1 | S |
| 37.083 | 0.0000 | 0.0000 | 85.377 | 0.24700 | 0.00000 | 319537.6 | 104745.0 | 183122.1 | S |
| 37.092 | 0.0000 | 0.0000 | 85.376 | 0.24691 | 0.00000 | 319537.6 | 104752.4 | 183122.1 | S |
| 37.100 | 0.0000 | 0.0000 | 85.375 | 0.24682 | 0.00000 | 319537.6 | 104759.8 | 183122.1 | S |
| 37.108 | 0.0000 | 0.0000 | 85.375 | 0.24673 | 0.00000 | 319537.6 | 104767.3 | 183122.1 | S |
| 37.117 | 0.0000 | 0.0000 | 85.374 | 0.24664 | 0.00000 | 319537.6 | 104774.6 | 183122.1 | S |
| 37.125 | 0.0000 | 0.0000 | 85.374 | 0.24655 | 0.00000 | 319537.6 | 104782.0 | 183122.1 | S |
| 37.133 | 0.0000 | 0.0000 | 85.373 | 0.24646 | 0.00000 | 319537.6 | 104789.4 | 183122.1 | S |
| 37.142 | 0.0000 | 0.0000 | 85.373 | 0.24637 | 0.00000 | 319537.6 | 104796.8 | 183122.1 | S |
| 37.150 | 0.0000 | 0.0000 | 85.372 | 0.24628 | 0.00000 | 319537.6 | 104804.2 | 183122.1 | S |
| 37.158 | 0.0000 | 0.0000 | 85.372 | 0.24619 | 0.00000 | 319537.6 | 104811.6 | 183122.1 | S |
| 37.167 | 0.0000 | 0.0000 | 85.371 | 0.24610 | 0.00000 | 319537.6 | 104819.0 | 183122.1 | S |
| 37.175 | 0.0000 | 0.0000 | 85.371 | 0.24601 | 0.00000 | 319537.6 | 104826.4 | 183122.1 | S |
| 37.183 | 0.0000 | 0.0000 | 85.370 | 0.24591 | 0.00000 | 319537.6 | 104833.8 | 183122.1 | S |
| 37.192 | 0.0000 | 0.0000 | 85.370 | 0.24582 | 0.00000 | 319537.6 | 104841.1 | 183122.1 | S |
| 37.200 | 0.0000 | 0.0000 | 85.369 | 0.24573 | 0.00000 | 319537.6 | 104848.5 | 183122.1 | S |
| 37.208 | 0.0000 | 0.0000 | 85.369 | 0.24564 | 0.00000 | 319537.6 | 104855.9 | 183122.1 | S |
| 37.217 | 0.0000 | 0.0000 | 85.368 | 0.24555 | 0.00000 | 319537.6 | 104863.2 | 183122.1 | S |
| 37.225 | 0.0000 | 0.0000 | 85.368 | 0.24546 | 0.00000 | 319537.6 | 104870.6 | 183122.1 | S |
| 37.233 | 0.0000 | 0.0000 | 85.367 | 0.24537 | 0.00000 | 319537.6 | 104878.0 | 183122.1 | S |
| 37.242 | 0.0000 | 0.0000 | 85.367 | 0.24528 | 0.00000 | 319537.6 | 104885.3 | 183122.1 | S |
| 37.250 | 0.0000 | 0.0000 | 85.366 | 0.24519 | 0.00000 | 319537.6 | 104892.7 | 183122.1 | S |
| 37.258 | 0.0000 | 0.0000 | 85.366 | 0.24510 | 0.00000 | 319537.6 | 104900.0 | 183122.1 | S |
| 37.267 | 0.0000 | 0.0000 | 85.365 | 0.24501 | 0.00000 | 319537.6 | 104907.4 | 183122.1 | S |
| 37.275 | 0.0000 | 0.0000 | 85.365 | 0.24493 | 0.00000 | 319537.6 | 104914.7 | 183122.1 | S |
| 37.283 | 0.0000 | 0.0000 | 85.364 | 0.24484 | 0.00000 | 319537.6 | 104922.1 | 183122.1 | S |
| 37.292 | 0.0000 | 0.0000 | 85.364 | 0.24475 | 0.00000 | 319537.6 | 104929.4 | 183122.1 | S |
| 37.300 | 0.0000 | 0.0000 | 85.363 | 0.24466 | 0.00000 | 319537.6 | 104936.8 | 183122.1 | S |
| 37.308 | 0.0000 | 0.0000 | 85.363 | 0.24457 | 0.00000 | 319537.6 | 104944.1 | 183122.1 | S |
| 37.317 | 0.0000 | 0.0000 | 85.362 | 0.24448 | 0.00000 | 319537.6 | 104951.4 | 183122.1 | S |
| 37.325 | 0.0000 | 0.0000 | 85.362 . | 0.24439 | 0.00000 | 319537.6 | 104958.8 | 183122.1 | S |
| 37.333 | 0.0000 | 0.0000 | 85.361 | 0.24430 | 0.00000 | 319537.6 | 104966.1 | 183122.1 | S |
| 37.342 | 0.0000 | 0.0000 | 85.361 | 0.24421 | 0.00000 | 319537.6 | 104973.4 | 183122.1 | S |
| 37.350 | 0.0000 | 0.0000 | 85.360 | 0.24412 | 0.00000 | 319537.6 | 104980.8 | 183122.1 | S |
| 37.358 | 0.0000 | 0.0000 | 85.360 | 0.24403 | 0.00000 | 319537.6 | 104988.1 | 183122.1 | S |
| 37.367 | 0.0000 | 0.0000 | 85.359 | 0.24394 | 0.00000 | 319537.6 | 104995.4 | 183122.1 | S |
| 37.375 | 0.0000 | 0.0000 | 85.359 | 0.24385 | 0.00000 | 319537.6 | 105002.7 | 183122.1 | S |
| 37.383 | 0.0000 | 0.0000 | 85.358 | 0.24377 | 0.00000 | 319537.6 | 105010.0 | 183122.1 | S |
| 37.392 | 0.0000 | 0.0000 | 85.358 | 0.24368 | 0.00000 | 319537.6 | 105017.4 | 183122.1 | S |
| 37.400 | 0.0000 | 0.0000 | 85.357 | 0.24359 | 0.00000 | 319537.6 | 105024.7 | 183122.1 | S |
| 37.408 | 0.0000 | 0.0000 | 85.357 | 0.24350 | 0.00000 | 319537.6 | 105032.0 | 183122.1 | S |
| 37.417 | 0.0000 | 0.0000 | 85.356 | 0.24341 | 0.00000 | 319537.6 | 105039.3 | 183122.1 | S |
| 37.425 | 0.0000 | 0.0000 | 85.356 | 0.24332 | 0.00000 | 319537.6 | 105046.6 | 183122.1 | S |
| 37.433 | 0.0000 | 0.0000 | 85.355 | 0.24323 | 0.00000 | 319537.6 | 105053.9 | 183122.1 | S |
| 37.442 | 0.0000 | 0.0000 | 85.355 | 0.24314 | 0.00000 | 319537.6 | 105061.2 | 183122.1 | S |
| 37.450 | 0.0000 | 0.0000 | 85.354 | 0.24306 | 0.00000 | 319537.6 | 105068.5 | \$83122.1 | S |
| 37.458 | 0.0000 | 0.0000 | 85.354 | 0.24297 | 0.00000 | 319537.6 | 105075.7 | 183122.1 | S |
| 37.467 | 0.0000 | 0.0000 | 85.353 | 0.24288 | 0.00000 | 319537.6 | 105083.0 | 183122.1 | S |
| 37.475 | 0.0000 | 0.0000 | 85.353 | 0.24279 | 0.00000 | 319537.6 | 105090.3 | 183122.1 | S |
| 37.483 | 0.0000 | 0.0000 | 85.352 | 0.24270 | 0.00000 | 319537.6 | 105097.6 | 183122.1 | S |
| 37.492 | 0.0000 | 0.0000 | 85.352 | 0.24261 | 0.00000 | 319537.6 | 105104.9 | 183122.1 | S |
| 37.500 | 0.0000 | 0.0000 | 85.351 | 0.24253 | 0.00000 | 319537.6 | 105112.2 | 183122.1 | S |
| 37.508 | 0.0000 | 0.0000 | 85.351 | 0.24244 | 0.00000 | 319537.6 | 105119.4 | 183122.1 | S |
| 37.517 | 0.0000 | 0.0000 | 85.350 | 0.24235 | 0.00000 | 319537.6 | 105126.7 | 183122.1 | S |
| 37.525 | 0.0000 | 0.0000 | 85.350 | 0.24226 | 0.00000 | 319537.6 | 105134.0 | 183122.1 | S |
| 37.533 | 0.0000 | 0.0000 | 85.349 | 0.24218 | 0.00000 | 319537.6 | 105141.2 | 183122.1 | S |
| 37.542 | 0.0000 | 0.0000 | 85.349 | 0.24209 | 0.00000 | 319537.6 | 105148.5 | 183122.1 | S |
| 37.550 | 0.0000 | 0.0000 | 85.348 | 0.24200 | 0.00000 | 319537.6 | 105155.8 | 183122.1 | S |
| 37.558 | 0.0000 | 0.0000 | 85.348 | 0.24191 | 0.00000 | 319537.6 | 105163.0 | 183122.1 | S |
| 37.567 | 0.0000 | 0.0000 | 85.347 | 0.24182 | 0.00000 | 319537.6 | 105170.3 | 183122.4 | S |
| 37.575 | 0.0000 | 0.0000 | 85.347 | 0.24174 | 0.00000 | 319537.6 | 105177.5 | 183122.1 | S |
| 37.583 | 0.0000 | 0.0000 | 85.346 | 0.24165 | 0.00000 | 319537.6 | 105184.8 | 183122.1 | S |
| 37.592 | 0.0000 | 0.0000 | 85.346 | 0.24156 | 0.00000 | 319537.6 | 105192.0 | 183122.1 | S |
| 37.600 | 0.0000 | 0.0000 | 85.345 | 0.24147 | 0.00000 | 319537.6 | 105199.3 | 183122.1 | S |
| 37.608 | 0.0000 | 0.0000 | 85.345 | 0.24139 | 0.00000 | 319537.6 | 105206.5 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (fV/day) | Stage Elevation (ft datum) | Infiltration Rate $\left(\mathrm{f}^{3} / \mathrm{S}\right)$ | Overfiow <br> Discharge <br> ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume (ft ${ }^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume (ft ${ }^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 37.617 | 0.0000 | 0.0000 | 85.344 | 0.24130 | 0.00000 | 319537.6 | 105213.8 | 183122.1 | S |
| 37.625 | 0.0000 | 0.0000 | 85.344 | 0.24121 | 0.00000 | 319537.6 | 105221.0 | 183122.1 | S |
| 37.633 | 0.0000 | 0.0000 | 85.343 | 0.24113 | 0.00000 | 319537.6 | 105228.2 | 183122.1 | S |
| 37.642 | 0.0000 | 0.0000 | 85.343 | 0.24104 | 0.00000 | 319537.6 | 105235.5 | 183122.1 | S |
| 37.650 | 0.0000 | 0.0000 | 85.342 | 0.24095 | 0.00000 | 319537.6 | 105242.7 | 183122.1 | S |
| 37.658 | 0.0000 | 0.0000 | 85.342 | 0.24086 | 0.00000 | 319537.6 | 105249.9 | 183122.1 | S |
| 37.667 | 0.0000 | 0.0000 | 85.341 | 0.24078 | 0.00000 | 319537.6 | 105257.1 | 183122.1 | S |
| 37.675 | 0.0000 | 0.0000 | 85.341 | 0.24069 | 0.00000 | 319537.6 | 105264.4 | 183122.1 | S |
| 37.683 | 0.0000 | 0.0000 | 85.340 | 0.24060 | 0.00000 | 319537.6 | 105271.6 | 183122.1 | S |
| 37.692 | 0.0000 | 0.0000 | 85.340 | 0.24052 | 0.00000 | 319537.6 | 105278.8 | 183122.1 | S |
| 37.700 | 0.0000 | 0.0000 | 85.339 | 0.24043 | 0.00000 | 319537.6 | 105286.0 | 183122.1 | S |
| 37.708 | 0.0000 | 0.0000 | 85.339 | 0.24034 | 0.00000 | 319537.6 | 105293.2 | 183122.1 | S |
| 37.717 | 0.0000 | 0.0000 | 85.338 | 0.24026 | 0.00000 | 319537.6 | 105300.4 | 183122.1 | S |
| 37.725 | 0.0000 | 0.0000 | 85.338 | 0.24017 | 0.00000 | 319537.6 | 105307.6 | 183122.1 | S |
| 37.733 | 0.0000 | 0.0000 | 85.337 | 0.24008 | 0.00000 | 319537.6 | 105314.9 | 183122.1 | S |
| 37.742 | 0.0000 | 0.0000 | 85.337 | 0.24000 | 0.00000 | 319537.6 | 105322.1 | 183122.1 | S |
| 37.750 | 0.0000 | 0.0000 | 85.336 | 0.23991 | 0.00000 | 319537.6 | 105329.3 | 183122.1 | S |
| 37.758 | 0.0000 | 0.0000 | 85.336 | 0.23983 | 0.00000 | 319537.6 | 105336.4 | 183122.1 | S |
| 37.767 | 0.0000 | 0.0000 | 85.335 | 0.23974 | 0.00000 | 319537.6 | 105343.6 | 183122.4 | S |
| 37.775 | 0.0000 | 0.0000 | 85.335 | 0.23965 | 0.00000 | 319537.6 | 105350.8 | 183122.1 | S |
| 37.783 | 0.0000 | 0.0000 | 85.334 | 0.23957 | 0.00000 | 319537.6 | 105358.0 | 183122.1 | S |
| 37.792 | 0.0000 | 0.0000 | 85.334 | 0.23948 | 0.00000 | 319537.6 | 105365.2 | 183122.1 | S |
| 37.800 | 0.0000 | 0.0000 | 85.333 | 0.23939 | 0.00000 | 319537.6 | 105372.4 | 183122.1 | S |
| 37.808 | 0.0000 | 0.0000 | 85.333 | 0.23931 | 0.00000 | 319537.6 | 105379.6 | 183122.1 | S |
| 37.817 | 0.0000 | 0.0000 | 85.332 | 0.23922 | 0.00000 | 319537.6 | 105386.8 | 183122.1 | S |
| 37.825 | 0.0000 | 0.0000 | 85.332 | 0.23914 | 0.00000 | 319537.6 | 105393.9 | 183122.1 | S |
| 37.833 | 0.0000 | 0.0000 | 85.331 | 0.23905 | 0.00000 | 319537.6 | 105401.1 | 183122.1 | S |
| 37.842 | 0.0000 | 0.0000 | 85.331 | 0.23897 | 0.00000 | 319537.6 | 105408.3 | 183122.1 | S |
| 37.850 | 0.0000 | 0.0000 | 85.330 | 0.23888 | 0.00000 | 319537.6 | 105415.4 | 183122.1 | S |
| 37.858 | 0.0000 | 0.0000 | 85.330 | 0.23879 | 0.00000 | 319537.6 | 105422.6 | 183122.1 | S |
| 37.867 | 0.0000 | 0.0000 | 85.329 | 0.23871 | 0.00000 | 319537.6 | 105429.8 | 183122.1 | S |
| 37.875 | 0.0000 | 0.0000 | 85.329 | 0.23862 | 0.00000 | 319537.6 | 105436.9 | 183122.1 | S |
| 37.883 | 0.0000 | 0.0000 | 85.328 | 0.23854 | 0.00000 | 319537.6 | 105444.1 | 183122.1 | S |
| 37.892 | 0.0000 | 0.0000 | 85.328 | 0.23845 | 0.00000 | 319537.6 | 105451.2 | 183122.1 | S |
| 37.900 | 0.0000 | 0.0000 | 85.327 | 0.23837 | 0.00000 | 319537.6 | 105458.4 | 183122.1 | S |
| 37.908 | 0.0000 | 0.0000 | 85.327 | 0.23828 | 0.00000 | 319537.6 | 105465.5 | 183122,1 | S |
| 37.917 | 0.0000 | 0.0000 | 85.326 | 0.23820 | 0.00000 | 319537.6 | 105472.7 | 183122.1 | S |
| 37.925 | 0.0000 | 0.0000 | 85.326 | 0.23811 | 0.00000 | 319537.6 | 105479.8 | 183122.1 | S |
| 37.933 | 0.0000 | 0.0000 | 85.325 | 0.23803 | 0.00000 | 319537.6 | 105487.0 | 183122.1 | S |
| 37.942 | 0.0000 | 0.0000 | 85.325 | 0.23794 | 0.00000 | 319537.6 | 105494.1 | 183122.1 | S |
| 37.950 | 0.0000 | 0.0000 | 85.324 | 0.23786 | 0.00000 | 319537.6 | 105501.2 | 183122.1 | S |
| 37.958 | 0.0000 | 0.0000 | 85.324 | 0.23777 | 0.00000 | 319537.6 | 105508.4 | 183122.1 | S |
| 37.967 | 0.0000 | 0.0000 | 85.323 | 0.23769 | 0.00000 | 319537.6 | 105515.5 | 183122.1 | S |
| 37.975 | 0.0000 | 0.0000 | 85.323 | 0.23760 | 0.00000 | 319537.6 | 105522.6 | 183122.1 | S |
| 37.983 | 0.0000 | 0.0000 | 85.322 | 0.23752 | 0.00000 | 319537.6 | 105529.8 | 183122.1 | S |
| 37.992 | 0.0000 | 0.0000 | 85.322 | 0.23743 | 0.00000 | 319537.6 | 105536.9 | 183122.1 | S |
| 38.000 | 0.0000 | 0.0000 | 85.321 | 0.23735 | 0.00000 | 319537.6 | 105544.0 | 183122.1 | S |
| 38.008 | 0.0000 | 0.0000 | 85.321 | 0.23726 | 0.00000 | 319537.6 | 105551.1 | 183122.1 | S |
| 38.017 | 0.0000 | 0.0000 | 85.320 | 0.23718 | 0.00000 | 319537.6 | 105558.3 | 183122.1 | S |
| 38.025 | 0.0000 | 0.0000 | 85.320 | 0.23709 | 0.00000 | 319537.6 | 105565.4 | 183122.1 | S |
| 38.033 | 0.0000 | 0.0000 | 85.319 | 0.23701 | 0.00000 | 319537.6 | 105572.5 | 183122.1 | S |
| 38.042 | 0.0000 | 0.0000 | 85.319 | 0.23692 | 0.00000 | 319537.6 | 105579.6 | 183122.1 | S |
| 38.050 | 0.0000 | 0.0000 | 85.318 | 0.23684 | 0.00000 | 319537.6 | 105586.7 | 183122.1 | S |
| 38.058 | 0.0000 | 0.0000 | 85.318 | 0.23675 | 0.00000 | 319537.6 | 105593.8 | 183122.1 | S |
| 38.067 | 0.0000 | 0.0000 | 85.317 | 0.23667 | 0.00000 | 319537.6 | 105600.9 | 183122.1 | S |
| 38.075 | 0.0000 | 0.0000 | 85.317 | 0.23659 | 0.00000 | 319537.6 | 105608.0 | 183122.1 | S |
| 38.083 | 0.0000 | 0.0000 | 85.316 | 0.23650 | 0.00000 | 319537.6 | 105615.1 | 183122.1 | S |
| 38.092 | 0.0000 | 0.0000 | 85.316 | 0.23642 | 0.00000 | 319537.6 | 105622.2 | 183122.1 | S |
| 38.100 | 0.0000 | 0.0000 | 85.315 | 0.23633 | 0.00000 | 319537.6 | 105629.3 | 183122.1 | S |
| 38.108 | 0.0000 | 0.0000 | 85.315 | 0.23625 | 0.00000 | 319537.6 | 105636.4 | 183122.1 | S |
| 38.117 | 0.0000 | 0.0000 | 85.314 | 0.23617 | 0.00000 | 319537.6 | 105643.5 | 183122.1 | S |
| 38.125 | 0.0000 | 0.0000 | 85.314 | 0.23608 | 0.00000 | 319537.6 | 105650.5 | 183122.1 | S |
| 38.133 | 0.0000 | 0.0000 | 85.313 | 0.23600 | 0.00000 | 319537.6 | 105657.6 | 183122.1 | S |
| 38.142 | 0.0000 | 0.0000 | 85.313 | 0.23591 | 0.00000 | 319537.6 | 105664.7 | 183122.1 | S |
| 38.150 | 0.0000 | 0.0000 | 85.312 | 0.23583 | 0.00000 | 319537.6 | 105671.8 | 183122.1 | S |
| 38.158 | 0.0000 | 0.0000 | 85.312 | 0.23575 | 0.00000 | 319537.6 | 105678.8 | 183122.1 | S |
| 38.167 | 0.0000 | 0.0000 | 85.311 | 0.23566 | 0.00000 | 319537.6 | 105685.9 | 183122.1 | S |
| 38.175 | 0.0000 | 0.0000 | 85.311 | 0.23558 | 0.00000 | 319537.6 | 105693.0 | 183122.1 | S |
| 38.183 | 0.0000 | 0.0000 | 85.310 | 0.23550 | 0.00000 | 319537.6 | 105700.0 | 183122.1 | S |
| 38.192 | 0.0000 | 0.0000 | 85.310 | 0.23541 | 0.00000 | 319537.6 | 105707.1 | 183122.1 | S |
| 38.200 | 0.0000 | 0.0000 | 85.309 | 0.23533 | 0.00000 | 319537.6 | 105714.2 | 183122.1 | S |
| 38.208 | 0.0000 | 0.0000 | 85.309 | 0.23525 | 0.00000 | 319537.6 | 105721.2 | 183122.1 | S |
| 38.217 | 0.0000 | 0.0000 | 85.308 | 0.23516 | 0.00000 | 319537.6 | 105728.3 | 183122.1 | S |
| 38.225 | 0.0000 | 0.0000 | 85.308 | 0.23508 | 0.00000 | 319537.6 | 105735.3 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate (fishs) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge (ft ${ }^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 38.233 | 0.0000 | 0.0000 | 85.307 | 0.23500 | 0.00000 | 319537.6 | 105742.4 | 183122.1 | S |
| 38.242 | 0.0000 | 0.0000 | 85.307 | 0.23491 | 0.00000 | 319537.6 | 105749.4 | 183122.4 | S |
| 38.250 | 0.0000 | 0.0000 | 85.306 | 0.23483 | 0.00000 | 319537.6 | 105756.5 | 183122.1 | S |
| 38.258 | 0.0000 | 0.0000 | 85.306 | 0.23475 | 0.00000 | 319537.6 | 105763.5 | 183122.1 | S |
| 38.267 | 0.0000 | 0.0000 | 85.305 | 0.23466 | 0.00000 | 319537.6 | 105770.6 | 183122.1 | S |
| 38.275 | 0.0000 | 0.0000 | 85.305 | 0.23458 | 0.00000 | 319537.6 | 105777.6 | 183122.1 | S |
| 38.283 | 0.0000 | 0.0000 | 85.304 | 0.23450 | 0.00000 | 319537.6 | 105784.6 | 183122.1 | S |
| 38.292 | 0.0000 | 0.0000 | 85.304 | 0.23442 | 0.00000 | 319537.6 | 105791.7 | 183122.1 | S |
| 38.300 | 0.0000 | 0.0000 | 85.303 | 0.23433 | 0.00000 | 319537.6 | 105798.7 | 183122.1 | S |
| 38.308 | 0.0000 | 0.0000 | 85.303 | 0.23425 | 0.00000 | 319537.6 | 105805.7 | 183122.1 | S |
| 38.317 | 0.0000 | 0.0000 | 85.303 | 0.23417 | 0.00000 | 319537.6 | 105812.8 | 183122.1 | S |
| 38.325 | 0.0000 | 0.0000 | 85.302 | 0.23408 | 0.00000 | 319537.6 | 105819.8 | 183122.1 | S |
| 38.333 | 0.0000 | 0.0000 | 85.302 | 0.23400 | 0.00000 | 319537.6 | 105826.8 | 183122.1 | S |
| 38.342 | 0.0000 | 0.0000 | 85.301 | 0.23392 | 0.00000 | 319537.6 | 105833.8 | 183122.1 | S |
| 38.350 | 0.0000 | 0.0000 | 85.301 | 0.23384 | 0.00000 | 319537.6 | 105840.9 | 183122.1 | S |
| 38.358 | 0.0000 | 0.0000 | 85.300 | 0.23375 | 0.00000 | 319537.6 | 105847.9 | 183122.1 | S |
| 38.367 | 0.0000 | 0.0000 | 85.300 | 0.23367 | 0.00000 | 319537.6 | 105854.9 | 183122.1 | S |
| 38.375 | 0.0000 | 0.0000 | 85.299 | 0.23359 | 0.00000 | 319537.6 | 105861.9 | 183122.1 | S |
| 38.383 | 0.0000 | 0.0000 | 85.299 | 0.23351 | 0.00000 | 319537.6 | 105868.9 | 183122.1 | S |
| 38.392 | 0.0000 | 0.0000 | 85.298 | 0.23343 | 0.00000 | 319537.6 | 105875.9 | 183122.1 | S |
| 38.400 | 0.0000 | 0.0000 | 85.298 | 0.23334 | 0.00000 | 319537.6 | 105882.9 | 183122.1 | S |
| 38.408 | 0.0000 | 0.0000 | 85.297 | 0.23326 | 0.00000 | 319537.6 | 105889.9 | 183122.1 | S |
| 38.417 | 0.0000 | 0.0000 | 85.297 | 0.23318 | 0.00000 | 319537.6 | 105896.9 | 183122.4 | S |
| 38.425 | 0.0000 | 0.0000 | 85.296 | 0.23310 | 0.00000 | 319537.6 | 105903.9 | 183122.1 | S |
| 38.433 | 0.0000 | 0.0000 | 85.296 | 0.23302 | 0.00000 | 319537.6 | 105910.9 | 183122.1 | S |
| 38.442 | 0.0000 | 0.0000 | 85.295 | 0.23293 | 0.00000 | 319537.6 | 105917.9 | 183122.1 | S |
| 38.450 | 0.0000 | 0.0000 | 85.295 | 0.23285 | 0.00000 | 319537.6 | 105924.9 | 183122.1 | S |
| 38.458 | 0.0000 | 0.0000 | 85.294 | 0.23277 | 0.00000 | 319537.6 | 105931.8 | 183122.1 | S |
| 38.467 | 0.0000 | 0.0000 | 85.294 | 0.23269 | 0.00000 | 319537.6 | 105938.8 | 183122.1 | S |
| 38.475 | 0.0000 | 0.0000 | 85.293 | 0.23261 | 0.00000 | 319537.6 | 105945.8 | 183122.1 | S |
| 38.483 | 0.0000 | 0.0000 | 85.293 | 0.23252 | 0.00000 | 319537.6 | 105952.8 | 183122.1 | S |
| 38.492 | 0.0000 | 0.0000 | 85.292 | 0.23244 | 0.00000 | 319537.6 | 105959.8 | 183122.1 | S |
| 38.500 | 0.0000 | 0.0000 | 85.292 | 0.23236 | 0.00000 | 319537.6 | 105966.7 | 183122.1 | S |
| 38.508 | 0.0000 | 0.0000 | 85.291 | 0.23228 | 0.00000 | 319537.6 | 105973.7 | 183122.1 | S |
| 38.517 | 0.0000 | 0.0000 | 85.291 | 0.23220 | 0.00000 | 319537.6 | 105980.7 | 183122.1 | S |
| 38.525 | 0.0000 | 0.0000 | 85.290 | 0.23212 | 0.00000 | 319537.6 | 105987.6 | 183122.1 | S |
| 38.533 | 0.0000 | 0.0000 | 85.290 | 0.23204 | 0.00000 | 319537.6 | 105994.6 | 183122.1 | S |
| 38.542 | 0.0000 | 0.0000 | 85.289 | 0.23195 | 0.00000 | 319537.6 | 106001.5 | 183122.1 | S |
| 38.550 | 0.0000 | 0.0000 | 85.289 | 0.23187 | 0.00000 | 319537.6 | 106008.5 | 183122.1 | S |
| 38.558 | 0.0000 | 0.0000 | 85.288 | 0.23179 | 0.00000 | 319537.6 | 106015.5 | 183122.1 | S |
| 38.567 | 0.0000 | 0.0000 | 85.288 | 0.23171 | 0.00000 | 319537.6 | 106022.4 | 183122.1 | S |
| 38.575 | 0.0000 | 0.0000 | 85.287 | 0.23163 | 0.00000 | 319537.6 | 106029.4 | 183122.1 | S |
| 38.583 | 0.0000 | 0.0000 | 85.287 | 0.23155 | 0.00000 | 319537.6 | 106036.3 | 183122.1 | S |
| 38.592 | 0.0000 | 0.0000 | 85.286 | 0.23147 | 0.00000 | 319537.6 | 106043.3 | 183122.1 | S |
| 38.600 | 0.0000 | 0.0000 | 85.286 | 0.23139 | 0.00000 | 319537.6 | 106050.2 | 183122.1 | S |
| 38.608 | 0.0000 | 0.0000 | 85.285 | 0.23131 | 0.00000 | 319537.6 | 106057.1 | 183122.1 | S |
| 38.617 | 0.0000 | 0.0000 | 85.285 | 0.23123 | 0.00000 | 319537.6 | 106064.1 | 183122.1 | S |
| 38.625 | 0.0000 | 0.0000 | 85.284 | 0.23114 | 0.00000 | 319537.6 | 106071.0 | 183122.1 | S |
| 38.633 | 0.0000 | 0.0000 | 85.284 | 0.23106 | 0.00000 | 319537.6 | 106077.9 | 183122.1 | S |
| 38.642 | 0.0000 | 0.0000 | 85.283 | 0.23098 | 0.00000 | 319537.6 | 106084.9 | 483122.1 | S |
| 38.650 | 0.0000 | 0.0000 | 85.283 | 0.23090 | 0.00000 | 319537.6 | 106091.8 | 183122.1 | S |
| 38.658 | 0.0000 | 0.0000 | 85.282 | 0.23082 | 0.00000 | 319537.6 | 106098.7 | 183122.1 | S |
| 38.667 | 0.0000 | 0.0000 | 85.282 | 0.23074 | 0.00000 | 319537.6 | 106105.6 | 183122.1 | S |
| 38.675 | 0.0000 | 0.0000 | 85.282 | 0.23066 | 0.00000 | 319537.6 | 106112.6 | 183122.1 | S |
| 38.683 | 0.0000 | 0.0000 | 85.281 | 0.23058 | 0.00000 | 319537.6 | 106119.5 | 183122.1 | S |
| 38.692 | 0.0000 | 0.0000 | 85.281 | 0.23050 | 0.00000 | 319537.6 | 106126.4 | 183122.1 | S |
| 38.700 | 0.0000 | 0.0000 | 85.280 | 0.23042 | 0.00000 | 319537.6 | 106133.3 | 183122.1 | S |
| 38.708 | 0.0000 | 0.0000 | 85.280 | 0.23034 | 0.00000 | 319537.6 | 106140.2 | 183122.1 | S |
| 38.717 | 0.0000 | 0.0000 | 85.279 | 0.23026 | 0.00000 | 319537.6 | 106147.1 | 183122.1 | S |
| 38.725 | 0.0000 | 0.0000 | 85.279 | 0.23018 | 0.00000 | 319537.6 | 106154.0 | 183122.1 | S |
| 38.733 | 0.0000 | 0.0000 | 85.278 | 0.23010 | 0.00000 | 319537.6 | 106161.0 | 183122.1 | S |
| 38.742 | 0.0000 | 0.0000 | 85.278 | 0.23002 | 0.00000 | 319537.6 | 106167.9 | 183122.1 | S |
| 38.750 | 0.0000 | 0.0000 | 85.277 | 0.22994 | 0.00000 | 319537.6 | 106174.8 | 183122.1 | S |
| 38.758 | 0.0000 | 0.0000 | 85.277 | 0.22986 | 0.00000 | 319537.6 | 106181.6 | 183122.1 | S |
| 38.767 | 0.0000 | 0.0000 | 85.276 | 0.22978 | 0.00000 | 319537.6 | 106188.5 | 183122.1 | S |
| 38.775 | 0.0000 | 0.0000 | 85.276 | 0.22970 | 0.00000 | 319537.6 | 106195.4 | 183122.1 | S |
| 38.783 | 0.0000 | 0.0000 | 85.275 | 0.22962 | 0.00000 | 319537.6 | 106202.3 | 183122.1 | S |
| 38.792 | 0.0000 | 0.0000 | 85.275 | 0.22954 | 0.00000 | 319537.6 | 106209.2 | 183122.1 | S |
| 38.800 | 0.0000 | 0.0000 | 85.274 | 0.22946 | 0.00000 | 319537.6 | 106216.1 | 183122.1 | S |
| 38.808 | 0.0000 | 0.0000 | 85.274 | 0.22938 | 0.00000 | 319537.6 | 106223.0 | 183122.1 | S |
| 38.817 | 0.0000 | 0.0000 | 85.273 | 0.22930 | 0.00000 | 319537.6 | 106229.9 | 183122.1 | S |
| 38.825 | 0.0000 | 0.0000 | 85.273 | 0.22922 | 0.00000 | 319537.6 | 106236.7 | 183122.1 | S |
| 38.833 | 0.0000 | 0.0000 | 85.272 | 0.22914 | 0.00000 | 319537.6 | 106243.6 | 183122.1 | S |
| 38.842 | 0.0000 | 0.0000 | 85.272 | 0.22906 | 0.00000 | 319537.6 | 106250.5 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft daturn) | Enfiltration Rate ( $\mathrm{Ht}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume $\left(\mathrm{ft}^{3}\right)$ | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 38.850 | 0.0000 | 0.0000 | 85.271 | 0.22898 | 0.00000 | 319537.6 | 106257.4 | 183122.1 | S |
| 38.858 | 0.0000 | 0.0000 | 85.271 | 0.22890 | 0.00000 | 319537.6 | 106264.2 | 183122.1 | S |
| 38.867 | 0.0000 | 0.0000 | 85.270 | 0.22882 | 0.00000 | 319537.6 | 106271.7 | 183122.1 | S |
| 38.875 | 0.0000 | 0.0000 | 85.270 | 0.22874 | 0.00000 | 319537.6 | 106278.0 | 183122.1 | S |
| 38.883 | 0.0000 | 0.0000 | 85.269 | 0.22867 | 0.00000 | 319537.6 | 106284.8 | 183122.1 | S |
| 38.892 | 0.0000 | 0.0000 | 85.269 | 0.22859 | 0.00000 | 319537.6 | 106291.7 | 183122.1 | S |
| 38.900 | 0.0000 | 0.0000 | 85.268 | 0.22851 | 0.00000 | 319537.6 | 106298.5 | 183122.1 | S |
| 38.908 | 0.0000 | 0.0000 | 85.268 | 0.22843 | 0.00000 | 319537.6 | 106305.4 | 183122.1 | S |
| 38.917 | 0.0000 | 0.0000 | 85.267 | 0.22835 | 0.00000 | 319537.6 | 106312.2 | 183122.1 | S |
| 38.925 | 0.0000 | 0.0000 | 85.267 | 0.22827 | 0.00000 | 319537.6 | 106319.1 | 183122.1 | S |
| 38.933 | 0.0000 | 0.0000 | 85.267 | 0.22819 | 0.00000 | 319537.6 | 106325.9 | 183122.1 | S |
| 38.942 | 0.0000 | 0.0000 | 85.266 | 0.22811 | 0.00000 | 319537.6 | 106332.8 | 183122.1 | S |
| 38.950 | 0.0000 | 0.0000 | 85.266 | 0.22803 | 0.00000 | 319537.6 | 106339.6 | 183122.1 | S |
| 38.958 | 0.0000 | 0.0000 | 85.265 | 0.22795 | 0.00000 | 319537.6 | 106346.5 | 183122.1 | S |
| 38.967 | 0.0000 | 0.0000 | 85.265 | 0.22788 | 0.00000 | 319537.6 | 106353.3 | 183122.1 | S |
| 38.975 | 0.0000 | 0.0000 | 85.264 | 0.22780 | 0.00000 | 319537.6 | 106360.1 | 183122.1 | S |
| 38.983 | 0.0000 | 0.0000 | 85.264 | 0.22772 | 0.00000 | 319537.6 | 106367.0 | 183122.1 | S |
| 38.992 | 0.0000 | 0.0000 | 85.263 | 0.22764 | 0.00000 | 319537.6 | 106373.8 | 183122.1 | S |
| 39.000 | 0.0000 | 0.0000 | 85.263 | 0.22756 | 0.00000 | 319537.6 | 106380.6 | 183122.1 | S |
| 39.008 | 0.0000 | 0.0000 | 85.262 | 0.22748 | 0.00000 | 319537.6 | 106387.5 | 183122.1 | S |
| 39.017 | 0.0000 | 0.0000 | 85.262 | 0.22740 | 0.00000 | 319537.6 | 106394.3 | 183122.1 | S |
| 39.025 | 0.0000 | 0.0000 | 85.261 | 0.22733 | 0.00000 | 319537.6 | 106401.1 | 183122.1 | S |
| 39.033 | 0.0000 | 0.0000 | 85.261 | 0.22725 | 0.00000 | 319537.6 | 106407.9 | 183122.1 | S |
| 39.042 | 0.0000 | 0.0000 | 85.260 | 0.22717 | 0.00000 | 319537.6 | 106414.7 | 183122.1 | S |
| 39.050 | 0.0000 | 0.0000 | 85.260 | 0.22709 | 0.00000 | 319537.6 | 106421.5 | 183122.1 | S |
| 39.058 | 0.0000 | 0.0000 | 85.259 | 0.22701 | 0.00000 | 319537.6 | 106428.4 | 183122.1 | S |
| 39.067 | 0.0000 | 0.0000 | 85.259 | 0.22693 | 0.00000 | 319537.6 | 106435.2 | 183122.1 | S |
| 39.075 | 0.0000 | 0.0000 | 85.258 | 0.22686 | 0.00000 | 319537.6 | 106442.0 | 183122.1 | S |
| 39.083 | 0.0000 | 0.0000 | 85.258 | 0.22678 | 0.00000 | 319537.6 | 106448.8 | 183122.1 | S |
| 39.092 | 0.0000 | 0.0000 | 85.257 | 0.22670 | 0.00000 | 319537.6 | 106455.6 | \$83122.1 | S |
| 39.100 | 0.0000 | 0.0000 | 85.257 | 0.22662 | 0.00000 | 319537.6 | 106462.4 | 183122.1 | S |
| 39.108 | 0.0000 | 0.0000 | 85.256 | 0.22654 | 0.00000 | 319537.6 | 106469.2 | 183122.1 | S |
| 39.117 | 0.0000 | 0.0000 | 85.256 | 0.22647 | 0.00000 | 319537.6 | 106476.0 | 183122.1 | S |
| 39.125 | 0.0000 | 0.0000 | 85.255 | 0.22639 | 0.00000 | 319537.6 | 106482.8 | 183122.1 | S |
| 39.133 | 0.0000 | 0.0000 | 85.255 | 0.22631 | 0.00000 | 319537.6 | 106489.6 | 183122.1 | S |
| 39.142 | 0.0000 | 0.0000 | 85.255 | 0.22623 | 0.00000 | 319537.6 | 106496.3 | 183122.1 | S |
| 39.150 | 0.0000 | 0.0000 | 85.254 | 0.22616 | 0.00000 | 319537.6 | 106503.1 | 183122.1 | S |
| 39.158 | 0.0000 | 0.0000 | 85.254 | 0.22608 | 0.00000 | 319537.6 | 106509.9 | 183122.1 | S |
| 39.167 | 0.0000 | 0.0000 | 85.253 | 0.22600 | 0.00000 | 319537.6 | 106516.7 | 183122.1 | S |
| 39.175 | 0.0000 | 0.0000 | 85.253 | 0.22592 | 0.00000 | 319537.6 | 106523.5 | 183122.1 | S |
| 39.183 | 0.0000 | 0.0000 | 85.252 | 0.22585 | 0.00000 | 319537.6 | 106530.3 | 183122.1 | S |
| 39.192 | 0.0000 | 0.0000 | 85.252 | 0.22577 | 0.00000 | 319537.6 | 106537.0 | 183122.1 | S |
| 39.200 | 0.0000 | 0.0000 | 85.251 | 0.22569 | 0.00000 | 319537.6 | 106543.8 | 183122.1 | S |
| 39.208 | 0.0000 | 0.0000 | 85.251 | 0.22561 | 0.00000 | 319537.6 | 106550.6 | 183122.1 | S |
| 39.217 | 0.0000 | 0.0000 | 85.250 | 0.22554 | 0.00000 | 319537.6 | 106557.3 | 183122.1 | S |
| 39.225 | 0.0000 | 0.0000 | 85.250 | 0.22546 | 0.00000 | 319537.6 | 106564.1 | 183122.1 | S |
| 39.233 | 0.0000 | 0.0000 | 85.249 | 0.22538 | 0.00000 | 319537.6 | 106570.9 | 183122.1 | S |
| 39.242 | 0.0000 | 0.0000 | 85.249 | 0.22530 | 0.00000 | 319537.6 | 106577.6 | 183122.1 | S |
| 39.250 | 0.0000 | 0.0000 | 85.248 | 0.22523 | 0.00000 | 319537.6 | 106584.4 | 183122.1 | S |
| 39.258 | 0.0000 | 0.0000 | 85.248 | 0.22515 | 0.00000 | 319537.6 | 106591.1 | 183122.1 | S |
| 39.267 | 0.0000 | 0.0000 | 85.247 | 0.22507 | 0.00000 | 319537.6 | 106597.9 | 183122.1 | S |
| 39.275 | 0.0000 | 0.0000 | 85.247 | 0.22500 | 0.00000 | 319537.6 | 106604.6 | 183122.1 | S |
| 39.283 | 0.0000 | 0.0000 | 85.246 | 0.22492 | 0.00000 | 319537.6 | 106611.4 | 183122.1 | S |
| 39.292 | 0.0000 | 0.0000 | 85.246 | 0.22484 | 0.00000 | 319537.6 | 106618.1 | 183122.1 | S |
| 39.300 | 0.0000 | 0.0000 | 85.245 | 0.22477 | 0.00000 | 319537.6 | 106624.9 | 183122.1 | S |
| 39.308 | 0.0000 | 0.0000 | 85.245 | 0.22469 | 0.00000 | 319537.6 | 106631.6 | 183122.1 | S |
| 39.317 | 0.0000 | 0.0000 | 85.244 | 0.22461 | 0.00000 | 319537.6 | 106638.4 | 183122.1 | S |
| 39.325 | 0.0000 | 0.0000 | 85.244 | 0.22453 | 0.00000 | 319537.6 | 106645.1 | 183122.1 | S |
| 39.333 | 0.0000 | 0.0000 | 85.244 | 0.22446 | 0.00000 | 319537.6 | 106651.8 | 183122.1 | S |
| 39.342 | 0.0000 | 0.0000 | 85.243 | 0.22438 | 0.00000 | 319537.6 | 106658.6 | 183122.1 | S |
| 39.350 | 0.0000 | 0.0000 | 85.243 | 0.22430 | 0.00000 | 319537.6 | 106665.3 | 183122.1 | S |
| 39.358 | 0.0000 | 0.0000 | 85.242 | 0.22423 | 0.00000 | 319537.6 | 106672.0 | 183122.1 | S |
| 39.367 | 0.0000 | 0.0000 | 85.242 | 0.22415 | 0.00000 | 319537.6 | 106678.8 | 183122.1 | S |
| 39.375 | 0.0000 | 0.0000 | 85.241 | 0.22408 | 0.00000 | 319537.6 | 106685.5 | 183122.1 | S |
| 39.383 | 0.0000 | 0.0000 | 85.241 | 0.22400 | 0.00000 | 319537.6 | 106692.2 | $\$ 83122.1$ | S |
| 39.392 | 0.0000 | 0.0000 | 85.240 | 0.22392 | 0.00000 | 319537.6 | 106698.9 | 183122.1 | S |
| 39.400 | 0.0000 | 0.0000 | 85.240 | 0.22385 | 0.00000 | 319537.6 | 106705.6 | 183122.1 | S |
| 39.408 | 0.0000 | 0.0000 | 85.239 | 0.22377 | 0.00000 | 319537.6 | 106712.3 | 183122.1 | S |
| 39.417 | 0.0000 | 0.0000 | 85.239 | 0.22369 | 0.00000 | 319537.6 | 106719.1 | 183122.1 | S |
| 39.425 | 0.0000 | 0.0000 | 85,238 | 0.22362 | 0.00000 | 319537.6 | 106725.8 | 183122.1 | S |
| 39.433 | 0.0000 | 0.0000 | 85.238 | 0.22354 | 0.00000 | 319537.6 | 106732.5 | 183122.1 | S |
| 39.442 | 0.0000 | 0.0000 | 85.237 | 0.22347 | 0.00000 | 319537.6 | 106739.2 | 183122.1 | S |
| 39.450 | 0.0000 | 0.0000 | 85.237 | 0.22339 | 0.00000 | 319537.6 | 106745.9 | 183122.1 | S |
| 39.458 | 0.0000 | 0.0000 | 85.236 | 0.22331 | 0.00000 | 319537.6 | 106752.6 | 183122.1 | S |

# PONDS Version 3.2.0207 <br> Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E. 

Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | inflow Rate (fis/s) | Outside Recharge (f/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ff}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 39.467 | 0.0000 | 0.0000 | 85.236 | 0.22324 | 0.00000 | 319537.6 | 106759.3 | 183122.1 | S |
| 39.475 | 0.0000 | 0.0000 | 85.235 | 0.22316 | 0.00000 | 319537.6 | 106766.0 | 183122.1 | S |
| 39.483 | 0.0000 | 0.0000 | 85.235 | 0.22309 | 0.00000 | 319537.6 | 106772.7 | 183122.1 | S |
| 39.492 | 0.0000 | 0.0000 | 85.235 | 0.22301 | 0.00000 | 319537.6 | 106779.4 | 183122.1 | S |
| 39.500 | 0.0000 | 0.0000 | 85.234 | 0.22293 | 0.00000 | 319537.6 | 106786.0 | 183122.1 | S |
| 39.508 | 0.0000 | 0.0000 | 85.234 | 0.22286 | 0.00000 | 319537.6 | 106792.7 | 183122.1 | S |
| 39.517 | 0.0000 | 0.0000 | 85.233 | 0.22278 | 0.00000 | 319537.6 | 106799.4 | 183122.1 | S |
| 39.525 | 0.0000 | 0.0000 | 85.233 | 0.22271 | 0.00000 | 319537.6 | 106806.1 | 183122.1 | S |
| 39.533 | 0.0000 | 0.0000 | 85.232 | 0.22263 | 0.00000 | 319537.6 | 106812.8 | 183122.1 | S |
| 39.542 | 0.0000 | 0.0000 | 85.232 | 0.22256 | 0.00000 | 319537.6 | 106819.5 | 183122.1 | S |
| 39.550 | 0.0000 | 0.0000 | 85.231 | 0.22248 | 0.00000 | 319537.6 | 106826.1 | 183122.1 | S |
| 39.558 | 0.0000 | 0.0000 | 85.231 | 0.22241 | 0.00000 | 319537.6 | 106832.8 | 183122.1 | S |
| 39.567 | 0.0000 | 0.0000 | 85.230 | 0.22233 | 0.00000 | 319537.6 | 106839.5 | 183122.1 | S |
| 39.575 | 0.0000 | 0.0000 | 85.230 | 0.22226 | 0.00000 | 319537.6 | 106846.1 | 183122.1 | S |
| 39.583 | 0.0000 | 0.0000 | 85.229 | 0.22218 | 0.00000 | 319537.6 | 106852.8 | 183122.1 | S |
| 39.592 | 0.0000 | 0.0000 | 85.229 | 0.22210 | 0.00000 | 319537.6 | 106859.5 | 183122.1 | S |
| 39.600 | 0.0000 | 0.0000 | 85.228 | 0.22203 | 0.00000 | 319537.6 | 106866.1 | 183122.1 | S |
| 39.608 | 0.0000 | 0.0000 | 85.228 | 0.22195 | 0.00000 | 319537.6 | 106872.8 | 183122.1 | S |
| 39.617 | 0.0000 | 0.0000 | 85.227 | 0.22188 | 0.00000 | 319537.6 | 106879.5 | 183122.1 | S |
| 39.625 | 0.0000 | 0.0000 | 85.227 | 0.22180 | 0.00000 | 319537.6 | 106886.1 | 183122.1 | S |
| 39.633 | 0.0000 | 0.0000 | 85.226 | 0.22173 | 0.00000 | 319537.6 | 106892.8 | 183122.1 | S |
| 39.642 | 0.0000 | 0.0000 | 85.226 | 0.22165 | 0.00000 | 319537.6 | 106899.4 | 183122.1 | S |
| 39.650 | 0.0000 | 0.0000 | 85.226 | 0.22158 | 0.00000 | 319537.6 | 106906.1 | 183122.1 | S |
| 39.658 | 0.0000 | 0.0000 | 85.225 | 0.22150 | 0.00000 | 319537.6 | 106912.7 | 183122.1 | S |
| 39.667 | 0.0000 | 0.0000 | 85.225 | 0.22143 | 0.00000 | 319537.6 | 106919.4 | 183122.1 | S |
| 39.675 | 0.0000 | 0.0000 | 85.224 | 0.22135 | 0.00000 | 319537.6 | 106926.0 | 183122.1 | S |
| 39.683 | 0.0000 | 0.0000 | 85.224 | 0.22128 | 0.00000 | 319537.6 | 106932.6 | 183122.1 | S |
| 39.692 | 0.0000 | 0.0000 | 85.223 | 0.22121 | 0.00000 | 319537.6 | 106939.3 | 183122.1 | S |
| 39.700 | 0.0000 | 0.0000 | 85.223 | 0.22113 | 0.00000 | 319537.6 | 106945.9 | 183122.1 | S |
| 39.708 | 0.0000 | 0.0000 | 85.222 | 0.22106 | 0.00000 | 319537.6 | 106952.5 | 183122.1 | S |
| 39.717 | 0.0000 | 0.0000 | 85.222 | 0.22098 | 0.00000 | 319537.6 | 106959.2 | 183122.1 | S |
| 39.725 | 0.0000 | 0.0000 | 85.221 | 0.22091 | 0.00000 | 319537.6 | 106965.8 | 183122.1 | S |
| 39.733 | 0.0000 | 0.0000 | 85.221 | 0.22083 | 0.00000 | 319537.6 | 106972.4 | 183122.1 | S |
| 39.742 | 0.0000 | 0.0000 | 85.220 | 0.22076 | 0.00000 | 319537.6 | 106979.0 | 183122.1 | S |
| 39.750 | 0.0000 | 0.0000 | 85.220 | 0.22068 | 0.00000 | 319537.6 | 106985.7 | 183122.1 | S |
| 39.758 | 0.0000 | 0.0000 | 85.219 | 0.22061 | 0.00000 | 319537.6 | 106992.3 | 183122.1 | S |
| 39.767 | 0.0000 | 0.0000 | 85.219 | 0.22053 | 0.00000 | 319537.6 | 106998.9 | 183122.1 | S |
| 39.775 | 0.0000 | 0.0000 | 85.218 | 0.22046 | 0.00000 | 319537.6 | 107005.5 | 183122.1 | S |
| 39.783 | 0.0000 | 0.0000 | 85.218 | 0.22039 | 0.00000 | 319537.6 | 107012.1 | 183122.1 | S |
| 39.792 | 0.0000 | 0.0000 | 85.218 | 0.22031 | 0.00000 | 319537.6 | 107018.8 | 183122.1 | S |
| 39.800 | 0.0000 | 0.0000 | 85.217 | 0.22024 | 0.00000 | 319537.6 | 107025.4 | 183122.1 | S |
| 39.808 | 0.0000 | 0.0000 | 85.217 | 0.22016 | 0.00000 | 319537.6 | 107032.0 | 183122.1 | S |
| 39.817 | 0.0000 | 0.0000 | 85.216 | 0.22009 | 0.00000 | 319537.6 | 107038.6 | 183122.1 | S |
| 39.825 | 0.0000 | 0.0000 | 85.216 | 0.22002 | 0.00000 | 319537.6 | 107045.2 | 183122.1 | S |
| 39.833 | 0.0000 | 0.0000 | 85.215 | 0.21994 | 0.00000 | 319537.6 | 107051.8 | 183122.1 | S |
| 39.842 | 0.0000 | 0.0000 | 85.215 | 0.21987 | 0.00000 | 319537.6 | 107058.4 | 183122.1 | S |
| 39.850 | 0.0000 | 0.0000 | 85.214 | 0.21979 | 0.00000 | 319537.6 | 107065.0 | 183122.1 | S |
| 39.858 | 0.0000 | 0.0000 | 85.214 | 0.21972 | 0.00000 | 319537.6 | 107071.5 | 183122.1 | S |
| 39.867 | 0.0000 | 0.0000 | 85.213 | 0.21965 | 0.00000 | 319537.6 | 107078.1 | 183122.1 | S |
| 39.875 | 0.0000 | 0.0000 | 85.213 | 0.21957 | 0.00000 | 319537.6 | 107084.7 | 183122.1 | S |
| 39.883 | 0.0000 | 0.0000 | 85.212 | 0.21950 | 0.00000 | 319537.6 | 107091.3 | 183122.1 | S |
| 39.892 | 0.0000 | 0.0000 | 85.212 | 0.21943 | 0.00000 | 319537.6 | 107097.9 | 183122.1 | S |
| 39.900 | 0.0000 | 0.0000 | 85.211 | 0.21935 | 0.00000 | 319537.6 | 107104.5 | 183122.1 | S |
| 39.908 | 0.0000 | 0.0000 | 85.211 | 0.21928 | 0.00000 | 319537.6 | 107111.1 | 183122.7 | S |
| 39.917 | 0.0000 | 0.0000 | 85.210 | 0.21920 | 0.00000 | 319537.6 | 107117.6 | 183122.1 | S |
| 39.925 | 0.0000 | 0.0000 | 85.210 | 0.21913 | 0.00000 | 319537.6 | 107124.2 | 183122.1 | S |
| 39.933 | 0.0000 | 0.0000 | 85.210 | 0.21906 | 0.00000 | 319537.6 | 107130.8 | 183122.1 | S |
| 39.942 | 0.0000 | 0.0000 | 85.209 | 0.21898 | 0.00000 | 319537.6 | 107137.4 | 183122.1 | S |
| 39.950 | 0.0000 | 0.0000 | 85.209 | 0.21891 | 0.00000 | 319537.6 | 107143.9 | 183122.1 | S |
| 39.958 | 0.0000 | 0.0000 | 85.208 | 0.21884 | 0.00000 | 319537.6 | 107150.5 | 183122.1 | S |
| 39.967 | 0.0000 | 0.0000 | 85.208 | 0.21876 | 0.00000 | 319537.6 | 107157.1 | 183122.1 | S |
| 39.975 | 0.0000 | 0.0000 | 85.207 | 0.21869 | 0.00000 | 319537.6 | 107163.6 | 183122.1 | S |
| 39.983 | 0.0000 | 0.0000 | 85.207 | 0.21862 | 0.00000 | 319537.6 | 107170.2 | 183122.1 | S |
| 39.992 | 0.0000 | 0.0000 | 85.206 | 0.21855 | 0.00000 | 319537.6 | 107176.7 | 183122.1 | S |
| 40.000 | 0.0000 | 0.0000 | 85.206 | 0.21847 | 0.00000 | 319537.6 | 107183.3 | 483122.1 | S |
| 40.008 | 0.0000 | 0.0000 | 85.205 | 0.21840 | 0.00000 | 319537.6 | 107189.8 | 183122.1 | S |
| 40.017 | 0.0000 | 0.0000 | 85.205 | 0.21833 | 0.00000 | 319537.6 | 107196.4 | 183122.1 | S |
| 40.025 | 0.0000 | 0.0000 | 85.204 | 0.21825 | 0.00000 | 319537.6 | 107202.9 | 183122.1 | S |
| 40.033 | 0.0000 | 0.0000 | 85.204 | 0.21818 | 0.00000 | 319537.6 | 107209.5 | 183122.1 | S |
| 40.042 | 0.0000 | 0.0000 | 85.203 | 0.21811 | 0.00000 | 319537.6 | 107216.0 | 183122.1 | S |
| 40.050 | 0.0000 | 0.0000 | 85.203 | 0.21803 | 0.00000 | 319537.6 | 107222.6 | 183122.1 | S |
| 40.058 | 0.0000 | 0.0000 | 85.203 | 0.21796 | 0.00000 | 319537.6 | 107229.1 | 183122.1 | S |
| 40.067 | 0.0000 | 0.0000 | 85.202 | 0.21789 | 0.00000 | 319537.6 | 107235.6 | 183122.1 | S |
| 40.075 | 0.0000 | 0.0000 | 85.202 | 0.21782 | 0.00000 | 319537.6 | 107242.2 | 183122.1 | S |

# PONDS Version 3.2.0207 

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

# PONDS Version 3.2.0207 

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:. Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate (ft3/s) | Outside <br> Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume $\left(\mathrm{t}^{3}\right.$ ) | Curnulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 40.700 | 0.0000 | 0.0000 | 85.167 | 0.21248 | 0.00000 | 319537.6 | 107726.2 | 183122.1 | S |
| 40.708 | 0.0000 | 0.0000 | 85.166 | 0.21241 | 0.00000 | 319537.6 | 107732.6 | 183122.1 | S |
| 40.717 | 0.0000 | 0.0000 | 85.166 | 0.21234 | 0.00000 | 319537.6 | 107739.0 | 183122.1 | S |
| 40.725 | 0.0000 | 0.0000 | 85.166 | 0.21227 | 0.00000 | 319537.6 | 107745.3 | 183122.1 | S |
| 40.733 | 0.0000 | 0.0000 | 85.165 | 0.21220 | 0.00000 | 319537.6 | 107751.7 | 183122.1 | S |
| 40.742 | 0.0000 | 0.0000 | 85.165 | 0.21214 | 0.00000 | 319537.6 | 107758.1 | 183122.1 | S |
| 40.750 | 0.0000 | 0.0000 | 85.164 | 0.21207 | 0.00000 | 319537.6 | 107764.4 | 183122.1 | S |
| 40.758 | 0.0000 | 0.0000 | 85.164 | 0.21200 | 0.00000 | 319537.6 | 107770.8 | 183122.1 | S |
| 40.767 | 0.0000 | 0.0000 | 85.163 | 0.21193 | 0.00000 | 319537.6 | 107777.2 | 183122.1 | S |
| 40.775 | 0.0000 | 0.0000 | 85.163 | 0.21186 | 0.00000 | 319537.6 | 107783.5 | 183122.1 | S |
| 40.783 | 0.0000 | 0.0000 | 85.162 | 0.21179 | 0.00000 | 319537.6 | 107789.9 | 183122.1 | S |
| 40.792 | 0.0000 | 0.0000 | 85.162 | 0.21172 | 0.00000 | 319537.6 | 107796.2 | 183122.1 | S |
| 40.800 | 0.0000 | 0.0000 | 85.161 | 0.21165 | 0.00000 | 319537.6 | 107802.6 | 183122.4 | S |
| 40.808 | 0.0000 | 0.0000 | 85.161 | 0.21158 | 0.00000 | 319537.6 | 107808.9 | 183122.1 | S |
| 40.817 | 0.0000 | 0.0000 | 85.161 | 0.21151 | 0.00000 | 319537.6 | 107815.3 | 183122.1 | S |
| 40.825 | 0.0000 | 0.0000 | 85.160 | 0.21144 | 0.00000 | 319537.6 | 107821.6 | 183122.1 | S |
| 40.833 | 0.0000 | 0.0000 | 85.160 | 0.21137 | 0.00000 | 319537.6 | 107828.0 | 183122.1 | S |
| 40.842 | 0.0000 | 0.0000 | 85.159 | 0.21131 | 0.00000 | 319537.6 | 107834.3 | 183122.1 | S |
| 40.850 | 0.0000 | 0.0000 | 85.159 | 0.21124 | 0.00000 | 319537.6 | 107840.6 | 183122.1 | S |
| 40.858 | 0.0000 | 0.0000 | 85.158 | 0.21117 | 0.00000 | 319537.6 | 107847.0 | 783122.1 | S |
| 40.867 | 0.0000 | 0.0000 | 85.158 | 0.21110 | 0.00000 | 319537.6 | 107853.3 | 183122.1 | S |
| 40.875 | 0.0000 | 0.0000 | 85.157 | 0.21103 | 0.00000 | 319537.6 | 107859.6 | 183122.1 | S |
| 40.883 | 0.0000 | 0.0000 | 85.157 | 0.21096 | 0.00000 | 319537.6 | 107866.0 | 183122.1 | S |
| 40,892 | 0.0000 | 0.0000 | 85.156 | 0.21089 | 0.00000 | 319537.6 | 107872.3 | 183122.1 | S |
| 40.900 | 0.0000 | 0.0000 | 85.156 | 0.21082 | 0.00000 | 319537.6 | 107878.6 | 183122.1 | S |
| 40.908 | 0.0000 | 0.0000 | 85.156 | 0.21076 | 0.00000 | 319537.6 | 107884.9 | 183122.1 | S |
| 40.917 | 0.0000 | 0.0000 | 85.155 | 0.21069 | 0.00000 | 319537.6 | 107891.3 | 183122.1 | S |
| 40.925 | 0.0000 | 0.0000 | 85.155 | 0.21062 | 0.00000 | 319537.6 | 107897.6 | 183122.1 | S |
| 40.933 | 0.0000 | 0.0000 | 85.154 | 0.21055 | 0.00000 | 319537.6 | 107903.9 | 183122.1 | S |
| 40.942 | 0.0000 | 0.0000 | 85.154 | 0.21048 | 0.00000 | 319537.6 | 107910.2 | 183122.1 | S |
| 40.950 | 0.0000 | 0.0000 | 85.153 | 0.21041 | 0.00000 | 319537.6 | 107916.5 | 183122.1 | S |
| 40.958 | 0.0000 | 0.0000 | 85.153 | 0.21034 | 0.00000 | 319537.6 | 107922.8 | 183122.1 | S |
| 40.967 | 0.0000 | 0.0000 | 85.152 | 0.21028 | 0.00000 | 319537.6 | 107929.1 | 183122.1 | S |
| 40.975 | 0.0000 | 0.0000 | 85.152 | 0.21021 | 0.00000 | 319537.6 | 107935.5 | 183122.1 | S |
| 40.983 | 0.0000 | 0.0000 | 85.151 | 0.21014 | 0.00000 | 319537.6 | 107941.8 | 183122.1 | S |
| 40.992 | 0.0000 | 0.0000 | 85.151 | 0.21007 | 0.00000 | 319537.6 | 107948.1 | 183122.1 | S |
| 41.000 | 0.0000 | 0.0000 | 85.151 | 0.21000 | 0.00000 | 319537.6 | 107954.4 | 183122.1 | S |
| 41.008 | 0.0000 | 0.0000 | 85.150 | 0.20994 | 0.00000 | 319537.6 | 107960.7 | 183122.1 | S |
| 41.017 | 0.0000 | 0.0000 | 85.150 | 0.20987 | 0.00000 | 319537.6 | 107967.0 | 183122.1 | S |
| 41.025 | 0.0000 | 0.0000 | 85.149 | 0.20980 | 0.00000 | 319537.6 | 107973.3 | 183122.1 | S |
| 41.033 | 0.0000 | 0.0000 | 85.149 | 0.20973 | 0.00000 | 319537.6 | 107979.6 | 183122.1 | S |
| 41.042 | 0.0000 | 0.0000 | 85.148 | 0.20966 | 0.00000 | 319537.6 | 107985.8 | 183122.1 | S |
| 41.050 | 0.0000 | 0.0000 | 85.148 | 0.20959 | 0.00000 | 319537.6 | 107992.1 | 183122.1 | S |
| 41.058 | 0.0000 | 0.0000 | 85.147 | 0.20953 | 0.00000 | 319537.6 | 107998.4 | 183122.1 | S |
| 41.067 | 0.0000 | 0.0000 | 85.147 | 0.20946 | 0.00000 | 319537.6 | 108004.7 | 183122.1 | S |
| 41.075 | 0.0000 | 0.0000 | 85.146 | 0.20939 | 0.00000 | 319537.6 | 108011.0 | \$83122.1 | S |
| 41.083 | 0.0000 | 0.0000 | 85.146 | 0.20932 | 0.00000 | 319537.6 | 108017.3 | 183122.1 | S |
| 41.092 | 0.0000 | 0.0000 | 85.146 | 0.20926 | 0.00000 | 319537.6 | 108023.5 | 183122.1 | S |
| 41.100 | 0.0000 | 0.0000 | 85.145 | 0.20919 | 0.00000 | 319537.6 | 108029.8 | 183122.1 | S |
| 41.108 | 0.0000 | 0.0000 | 85.145 | 0.20912 | 0.00000 | 319537.6 | 108036.1 | 183122.1 | S |
| 41.117 | 0.0000 | 0.0000 | 85.144 | 0.20905 | 0.00000 | 319537.6 | 108042.4 | 183122.1 | S |
| 41.125 | 0.0000 | 0.0000 | 85.144 | 0.20899 | 0.00000 | 319537.6 | 108048.6 | 183122.1 | S |
| 41.133 | 0.0000 | 0.0000 | 85.143 | 0.20892 | 0.00000 | 319537.6 | 108054.9 | 183122.1 | S |
| 41.142 | 0.0000 | 0.0000 | 85.143 | 0.20885 | 0.00000 | 319537.6 | 108061.2 | 183122.1 | S |
| 41.150 | 0.0000 | 0.0000 | 85.142 | 0.20878 | 0.00000 | 319537.6 | 108067.4 | 183122.1 | S |
| 41.458 | 0.0000 | 0.0000 | 85.142 | 0.20871 | 0.00000 | 319537.6 | 108073.7 | 183122.1 | S |
| 41.167 | 0.0000 | 0.0000 | 85.141 | 0.20865 | 0.00000 | 319537.6 | 108080.0 | 183122.1 | S |
| 41.175 | 0.0000 | 0.0000 | 85.141 | 0.20858 | 0.00000 | 319537.6 | 108086.2 | 183122.4 | S |
| 41.183 | 0.0000 | 0.0000 | 85.141 | 0.20851 | 0.00000 | 319537.6 | 108092.5 | 183122.1 | S |
| 41.192 | 0.0000 | 0.0000 | 85.140 | 0.20845 | 0.00000 | 319537.6 | 108098.7 | 183122.1 | S |
| 41.200 | 0.0000 | 0.0000 | 85.140 | 0.20838 | 0.00000 | 319537.6 | 108105.0 | 183122.1 | S |
| 41.208 | 0.0000 | 0.0000 | 85.139 | 0.20831 | 0.00000 | 319537.6 | 108111.2 | 183122.1 | S |
| 41.217 | 0.0000 | 0.0000 | 85.139 | 0.20824 | 0.00000 | 319537.6 | 108117.5 | 183122.1 | S |
| 41.225 | 0.0000 | 0.0000 | 85.138 | 0.20818 | 0.00000 | 319537.6 | 108123.7 | 183122.1 | S |
| 41.233 | 0.0000 | 0.0000 | 85.138 | 0.20811 | 0.00000 | 319537.6 | 108130.0 | 183122.1 | S |
| 41.242 | 0.0000 | 0.0000 | 85.137 | 0.20804 | 0.00000 | 319537.6 | 108136.2 | 183122.1 | S |
| 41.250 | 0.0000 | 0.0000 | 85.137 | 0.20798 | 0.00000 | 319537.6 | 108142.5 | 183122.1 | S |
| 41.258 | 0.0000 | 0.0000 | 85.136 | 0.20791 | 0.00000 | 319537.6 | 108148.7 | 183122.1 | S |
| 41.267 | 0.0000 | 0.0000 | 85.136 | 0.20784 | 0.00000 | 319537.6 | 108154.9 | 183122.1 | S |
| 41.275 | 0.0000 | 0.0000 | 85.136 | 0.20777 | 0.00000 | 319537.6 | 108161.2 | 183122.1 | S |
| 41.283 | 0.0000 | 0.0000 | 85.135 | 0.20771 | 0.00000 | 319537.6 | 108167.4 | 183122.1 | S |
| 41.292 | 0.0000 | 0.0000 | 85.135 | 0.20764 | 0.00000 | 319537.6 | 108173.6 | 183122.1 | S |
| 41.300 | 0.0000 | 0.0000 | 85.134 | 0.20757 | 0.00000 | 319537.6 | 108179.9 | 183122.1 | S |
| 41.308 | 0.0000 | 0.0000 | 85.134 | 0.20751 | 0.00000 | 319537.6 | 108186.1 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (fl/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{t}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 41.317 | 0.0000 | 0.0000 | 85.133 | 0.20744 | 0.00000 | 319537.6 | 108192.3 | 183122.1 | S |
| 41.325 | 0.0000 | 0.0000 | 85.133 | 0.20737 | 0.00000 | 319537.6 | 108198.5 | 183122.1 | S |
| 41.333 | 0.0000 | 0.0000 | 85.132 | 0.20731 | 0.00000 | 319537.6 | 108204.8 | 183122.1 | S |
| 41.342 | 0.0000 | 0.0000 | 85.132 | 0.20724 | 0.00000 | 319537.6 | 108211.0 | 183122.1 | S |
| 41.350 | 0.0000 | 0.0000 | 85.132 | 0.20717 | 0.00000 | 319537.6 | 108217.2 | 183122.1 | S |
| 41.358 | 0.0000 | 0.0000 | 85.131 | 0.20711 | 0.00000 | 319537.6 | 108223.4 | 183122.1 | S |
| 41.367 | 0.0000 | 0.0000 | 85.131 | 0.20704 | 0.00000 | 319537.6 | 108229.6 | 183122.1 | S |
| 41.375 | 0.0000 | 0.0000 | 85.130 | 0.20697 | 0.00000 | 319537.6 | 108235.8 | 183122.1 | S |
| 41.383 | 0.0000 | 0.0000 | 85.130 | 0.20691 | 0.00000 | 319537.6 | 108242.0 | 183122.1 | S |
| 41.392 | 0.0000 | 0.0000 | 85.129 | 0.20684 | 0.00000 | 319537.6 | 108248.2 | 183122.1 | S |
| 41.400 | 0.0000 | 0.0000 | 85.129 | 0.20677 | 0.00000 | 319537.6 | 108254.4 | 183122.1 | S |
| 41.408 | 0.0000 | 0.0000 | 85.128 | 0.20671 | 0.00000 | 319537.6 | 108260.6 | 183122.1 | S |
| 41.417 | 0.0000 | 0.0000 | 85.128 | 0.20664 | 0.00000 | 319537.6 | 108266.8 | 183122.1 | S |
| 41.425 | 0.0000 | 0.0000 | 85.127 | 0.20658 | 0.00000 | 319537.6 | 108273.0 | 183122.1 | S |
| 41.433 | 0.0000 | 0.0000 | 85.127 | 0.20651 | 0.00000 | 319537.6 | 108279.2 | 183122.1 | S |
| 41.442 | 0.0000 | 0.0000 | 85.127 | 0.20644 | 0.00000 | 319537.6 | 108285.4 | 183122.1 | S |
| 41.450 | 0.0000 | 0.0000 | 85.126 | 0.20638 | 0.00000 | 319537.6 | 108291.6 | 183122.1 | S |
| 41.458 | 0.0000 | 0.0000 | 85.126 | 0.20631 | 0.00000 | 319537.6 | 108297.8 | 183122.1 | S |
| 41.467 | 0.0000 | 0.0000 | 85.125 | 0.20625 | 0.00000 | 319537.6 | 108304.0 | 183122.1 | S |
| 41.475 | 0.0000 | 0.0000 | 85.125 | 0.20618 | 0.00000 | 319537.6 | 108310.2 | 183122.1 | S |
| 41.483 | 0.0000 | 0.0000 | 85.124 | 0.20611 | 0.00000 | 319537.6 | 108316.4 | 183122.1 | S |
| 41.492 | 0.0000 | 0.0000 | 85.124 | 0.20605 | 0.00000 | 319537.6 | 108322.6 | 183122.1 | S |
| 41.500 | 0.0000 | 0.0000 | 85.123 | 0.20598 | 0.00000 | 319537.6 | 108328.7 | 183122.1 | S |
| 41.508 | 0.0000 | 0.0000 | 85.123 | 0.20592 | 0.00000 | 319537.6 | 108334.9 | 183122.1 | S |
| 41.517 | 0.0000 | 0.0000 | 85.123 | 0.20585 | 0.00000 | 319537.6 | 108341.1 | 183122.1 | S |
| 41.525 | 0.0000 | 0.0000 | 85.122 | 0.20578 | 0.00000 | 319537.6 | 108347.3 | 183122.1 | S |
| 41.533 | 0.0000 | 0.0000 | 85.122 | 0.20572 | 0.00000 | 319537.6 | 108353.4 | 183122.1 | S |
| 41.542 | 0.0000 | 0.0000 | 85.121 | 0.20565 | 0.00000 | 319537.6 | 108359.6 | 183122.1 | S |
| 41.550 | 0.0000 | 0.0000 | 85.121 | 0.20559 | 0.00000 | 319537.6 | 108365.8 | 183122.1 | S |
| 41.558 | 0.0000 | 0.0000 | 85.120 | 0.20552 | 0.00000 | 319537.6 | 108371.9 | 183122.1 | S |
| 41.567 | 0.0000 | 0.0000 | 85.120 | 0.20546 | 0.00000 | 319537.6 | 108378.1 | 183122.1 | S |
| 41.575 | 0.0000 | 0.0000 | 85.119 | 0.20539 | 0.00000 | 319537.6 | 108384.3 | 183122.1 | S |
| 41.583 | 0.0000 | 0.0000 | 85.119 | 0.20532 | 0.00000 | 319537.6 | 108390.4 | 183122.1 | S |
| 41.592 | 0.0000 | 0.0000 | 85.119 | 0.20526 | 0.00000 | 319537.6 | 108396.6 | 183122.1 | S |
| 41.600 | 0.0000 | 0.0000 | 85.118 | 0.20519 | 0.00000 | 319537.6 | 108402.7 | 183122.1 | S |
| 41.608 | 0.0000 | 0.0000 | 85.118 | 0.20513 | 0.00000 | 319537.6 | 108408.9 | 183122.1 | S |
| 41.617 | 0.0000 | 0.0000 | 85.117 | 0.20506 | 0.00000 | 319537.6 | 108415.1 | 183122.1 | S |
| 41.625 | 0.0000 | 0.0000 | 85.117 | 0.20500 | 0.00000 | 319537.6 | 108421.2 | 183122.1 | S |
| 41.633 | 0.0000 | 0.0000 | 85.116 | 0.20493 | 0.00000 | 319537.6 | 108427.4 | 183122.1 | S |
| 41.642 | 0.0000 | 0.0000 | 85.116 | 0.20487 | 0.00000 | 319537.6 | 108433.5 | 183122.1 | S |
| 41.650 | 0.0000 | 0.0000 | 85.115 | 0.20480 | 0.00000 | 319537.6 | 108439.6 | 183122.1 | S |
| 41.658 | 0.0000 | 0.0000 | 85.115 | 0.20474 | 0.00000 | 319537.6 | 108445.8 | 183122.1 | S |
| 41.667 | 0.0000 | 0.0000 | 85.114 | 0.20467 | 0.00000 | 319537.6 | 108451.9 | 183122.1 | S |
| 41.675 | 0.0000 | 0.0000 | 85.114 | 0.20460 | 0.00000 | 319537.6 | 108458.1 | 183122.1 | S |
| 41.683 | 0.0000 | 0.0000 | 85.114 | 0.20454 | 0.00000 | 319537.6 | 108464.2 | 183122.1 | S |
| 41.692 | 0.0000 | 0.0000 | 85.113 | 0.20447 | 0.00000 | 319537.6 | 108470.3 | 183122.1 | S |
| 41.700 | 0.0000 | 0.0000 | 85.113 | 0.20441 | 0.00000 | 319537.6 | 108476.5 | 183122.1 | S |
| 41.708 | 0.0000 | 0.0000 | 85.112 | 0.20434 | 0.00000 | 319537.6 | 108482.6 | 183122.1 | S |
| 41.717 | 0.0000 | 0.0000 | 85.112 | 0.20428 | 0.00000 | 319537.6 | 108488.7 | 183122.1 | S |
| 41.725 | 0.0000 | 0.0000 | 85.111 | 0.20421 | 0.00000 | 319537.6 | 108494.9 | 183122.1 | S |
| 41.733 | 0.0000 | 0.0000 | 85.111 | 0.20415 | 0.00000 | 319537.6 | 108501.0 | 183122.1 | S |
| 41.742 | 0.0000 | 0.0000 | 85.110 | 0.20408 | 0.00000 | 319537.6 | 108507.1 | 183122.1 | S |
| 41.750 | 0.0000 | 0.0000 | 85.110 | 0.20402 | 0.00000 | 319537.6 | 108513.2 | 183122.1 | S |
| 41.758 | 0.0000 | 0.0000 | 85.110 | 0.20396 | 0.00000 | 319537.6 | 108519.4 | 183122.1 | S |
| 41.767 | 0.0000 | 0.0000 | 85.109 | 0.20389 | 0.00000 | 319537.6 | 108525.5 | 183122.1 | S |
| 41.775 | 0.0000 | 0.0000 | 85.109 | 0.20383 | 0.00000 | 319537.6 | 108531.6 | 183122.1 | S |
| 41.783 | 0.0000 | 0.0000 | 85.108 | 0.20376 | 0.00000 | 319537.6 | 108537.7 | 183122.1 | S |
| 41.792 | 0.0000 | 0.0000 | 85.108 | 0.20370 | 0.00000 | 319537.6 | 108543.8 | 183122.1 | S |
| 41.800 | 0.0000 | 0.0000 | 85.107 | 0.20363 | 0.00000 | 319537.6 | 108549.9 | $183\{22.1$ | S |
| 41.808 | 0.0000 | 0.0000 | 85.107 | 0.20357 | 0.00000 | 319537.6 | 108556.0 | 183122.1 | S |
| 41.817 | 0.0000 | 0.0000 | 85.106 | 0.20350 | 0.00000 | 319537.6 | 108562.1 | 183122.1 | S |
| 41.825 | 0.0000 | 0.0000 | 85.106 | 0.20344 | 0.00000 | 319537.6 | 108568.2 | 183122.1 | S |
| 41.833 | 0.0000 | 0.0000 | 85.106 | 0.20337 | 0.00000 | 319537.6 | 108574.3 | 183122.1 | S |
| 41.842 | 0.0000 | 0.0000 | 85.105 | 0.20331 | 0.00000 | 319537.6 | 108580.4 | 183122.1 | S |
| 41.850 | 0.0000 | 0.0000 | 85.105 | 0.20324 | 0.00000 | 319537.6 | 108586.5 | 183122.7 | S |
| 41.858 | 0.0000 | 0.0000 | 85.104 | 0.20318 | 0.00000 | 319537.6 | 108592.6 | 183122.1 | S |
| 41.867 | 0.0000 | 0.0000 | 85.104 | 0.20312 | 0.00000 | 319537.6 | 108598.7 | 183122.1 | S |
| 41.875 | 0.0000 | 0.0000 | 85.103 | 0.20305 | 0.00000 | 319537.6 | 108604.8 | $\uparrow 83122.1$ | S |
| 41.883 | 0.0000 | 0.0000 | 85.103 | 0.20299 | 0.00000 | 319537.6 | 108610.9 | 183122.1 | S |
| 41.892 | 0.0000 | 0.0000 | 85.102 | 0.20292 | 0.00000 | 319537.6 | 108617.0 | 183122.1 | S |
| 41.900 | 0.0000 | 0.0000 | 85.102 | 0.20286 | 0.00000 | 319537.6 | 108623.1 | 183122.1 | S |
| 41.908 | 0.0000 | 0.0000 | 85.102 | 0.20279 | 0.00000 | 319537.6 | 108629.2 | 183122.1 | S |
| 41.917 | 0.0000 | 0.0000 | 85.101 | 0.20273 | 0.00000 | 319537.6 | 108635.3 | 183122.1 | S |
| 41.925 | 0.0000 | 0.0000 | 85.101 | 0.20267 | 0.00000 | 319537.6 | 108641.3 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3 / 3}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume (ft ${ }^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 41.933 | 0.0000 | 0.0000 | 85,100 | 0.20260 | 0.00000 | 319537.6 | 108647.4 | 183122.1 | S |
| 41.942 | 0.0000 | 0.0000 | 85.100 | 0.20254 | 0.00000 | 319537.6 | 108653.5 | 183122.1 | S |
| 41.950 | 0.0000 | 0.0000 | 85.099 | 0.20247 | 0.00000 | 319537.6 | 108659.6 | 183122.1 | S |
| 41.958 | 0.0000 | 0.0000 | 85.099 | 0.20241 | 0.00000 | 319537.6 | 108665.6 | 183122.1 | S |
| 41.967 | 0.0000 | 0.0000 | 85.098 | 0.20235 | 0.00000 | 319537.6 | 108671.7 | 183122.1 | S |
| 41.975 | 0.0000 | 0.0000 | 85.098 | 0.20228 | 0.00000 | 319537.6 | 108677.8 | 183122.1 | S |
| 41.983 | 0.0000 | 0.0000 | 85.098 | 0.20222 | 0.00000 | 319537.6 | 108683.9 | 183122.1 | S |
| 41.992 | 0.0000 | 0.0000 | 85.097 | 0.20215 | 0.00000 | 319537.6 | 108689.9 | 183122.1 | S |
| 42.000 | 0.0000 | 0.0000 | 85.097 | 0.20209 | 0.00000 | 319537.6 | 108696.0 | 183122.1 | S |
| 42.008 | 0.0000 | 0.0000 | 85.096 | 0.20203 | 0.00000 | 319537.6 | 108702.0 | 183122.1 | S |
| 42.017 | 0.0000 | 0.0000 | 85.096 | 0.20196 | 0.00000 | 319537.6 | 108708.1 | 183122.1 | S |
| 42.025 | 0.0000 | 0.0000 | 85.095 | 0.20190 | 0.00000 | 319537.6 | 108714.2 | 183122.1 | S |
| 42.033 | 0.0000 | 0.0000 | 85.095 | 0.20184 | 0.00000 | 319537.6 | 108720.2 | 183122.1 | S |
| 42.042 | 0.0000 | 0.0000 | 85.094 | 0.20177 | 0.00000 | 319537.6 | 108726.3 | 183122.1 | S |
| 42.050 | 0.0000 | 0.0000 | 85.094 | 0.20171 | 0.00000 | 319537.6 | 108732.3 | 183122.1 | S |
| 42.058 | 0.0000 | 0.0000 | 85.094 | 0.20165 | 0.00000 | 319537.6 | 108738.4 | 183122.1 | S |
| 42.067 | 0.0000 | 0.0000 | 85.093 | 0.20158 | 0.00000 | 319537.6 | 108744.4 | 183122.1 | S |
| 42.075 | 0.0000 | 0.0000 | 85.093 | 0.20152 | 0.00000 | 319537.6 | 108750.5 | 183122.1 | S |
| 42.083 | 0.0000 | 0.0000 | 85.092 | 0.20145 | 0.00000 | 319537.6 | 108756.5 | 183122.1 | S |
| 42.092 | 0.0000 | 0.0000 | 85.092 | 0.20139 | 0.00000 | 319537.6 | 108762.6 | 183122.1 | S |
| 42.100 | 0.0000 | 0.0000 | 85.091 | 0.20133 | 0.00000 | 319537.6 | 108768.6 | 183122.1 | S |
| 42.108 | 0.0000 | 0.0000 | 85.091 | 0.20126 | 0.00000 | 319537.6 | 108774.6 | 183122.1 | S |
| 42.117 | 0.0000 | 0.0000 | 85.091 | 0.20120 | 0.00000 | 319537.6 | 108780.7 | 183122.1 | S |
| 42.125 | 0.0000 | 0.0000 | 85.090 | 0.20114 | 0.00000 | 319537.6 | 108786.7 | 183122.1 | S |
| 42.133 | 0.0000 | 0.0000 | 85.090 | 0.20107 | 0.00000 | 319537.6 | 108792.7 | 183122.1 | S |
| 42.142 | 0.0000 | 0.0000 | 85.089 | 0.20101 | 0.00000 | 319537.6 | 108798.8 | 183122.1 | S |
| 42.150 | 0.0000 | 0.0000 | 85.089 | 0.20095 | 0.00000 | 319537.6 | 108804.8 | 183122.1 | S |
| 42.158 | 0.0000 | 0.0000 | 85.088 | 0.20089 | 0.00000 | 319537.6 | 108810.8 | 183122.1 | S |
| 42.167 | 0.0000 | 0.0000 | 85.088 | 0.20082 | 0.00000 | 319537.6 | 108816.9 | 183122.1 | S |
| 42.175 | 0.0000 | 0.0000 | 85.087 | 0.20076 | 0.00000 | 319537.6 | 108822.9 | 183122.1 | S |
| 42.183 | 0.0000 | 0.0000 | 85.087 | 0.20070 | 0.00000 | 319537.6 | 108828.9 | 183122.3 | S |
| 42.192 | 0.0000 | 0.0000 | 85.087 | 0.20063 | 0.00000 | 319537.6 | 108834.9 | 183122.4 | S |
| 42.200 | 0.0000 | 0.0000 | 85.086 | 0.20057 | 0.00000 | 319537.6 | 108840.9 | 183122.1 | S |
| 42.208 | 0.0000 | 0.0000 | 85.086 | 0.20051 | 0.00000 | 319537.6 | 108847.0 | 183122.1 | S |
| 42.217 | 0.0000 | 0.0000 | 85.085 | 0.20044 | 0.00000 | 319537.6 | 108853.0 | 183122.1 | S |
| 42.225 | 0.0000 | 0.0000 | 85.085 | 0.20038 | 0.00000 | 319537.6 | 108859.0 | 183122.1 | S |
| 42.233 | 0.0000 | 0.0000 | 85.084 | 0.20032 | 0.00000 | 319537.6 | 108865.0 | 183122.1 | S |
| 42.242 | 0.0000 | 0.0000 | 85.084 | 0.20026 | 0.00000 | 319537.6 | 108871.0 | 183122.1 | S |
| 42.250 | 0.0000 | 0.0000 | 85.083 | 0.20019 | 0.00000 | 319537.6 | 108877.0 | 183122.1 | S |
| 42.258 | 0.0000 | 0.0000 | 85.083 | 0.20013 | 0.00000 | 319537.6 | 108883.0 | 183122.1 | S |
| 42.267 | 0.0000 | 0.0000 | 85.083 | 0.20007 | 0.00000 | 319537.6 | 108889.0 | 183122.4 | S |
| 42.275 | 0.0000 | 0.0000 | 85.082 | 0.20001 | 0.00000 | 319537.6 | 108895.0 | 183122.1 | S |
| 42.283 | 0.0000 | 0.0000 | 85.082 | 0.19994 | 0.00000 | 319537.6 | 108901.0 | 183122.1 | S |
| 42.292 | 0.0000 | 0.0000 | 85.081 | 0.19988 | 0.00000 | 319537.6 | 108907.0 | 183122.1 | S |
| 42.300 | 0.0000 | 0.0000 | 85.081 | 0.19982 | 0.00000 | 319537.6 | 108913.0 | 183122.1 | S |
| 42.308 | 0.0000 | 0.0000 | 85.080 | 0.19975 | 0.00000 | 319537.6 | 108919.0 | 183122.1 | S |
| 42.317 | 0.0000 | 0.0000 | 85.080 | 0.19969 | 0.00000 | 319537.6 | 108925.0 | 183122.1 | S |
| 42.325 | 0.0000 | 0.0000 | 85.080 | 0.19963 | 0.00000 | 319537.6 | 108931.0 | 183122.1 | S |
| 42.333 | 0.0000 | 0.0000 | 85.079 | 0.19957 | 0.00000 | 319537.6 | 108937.0 | 183122.1 | S |
| 42.342 | 0.0000 | 0.0000 | 85.079 | 0.19950 | 0.00000 | 319537.6 | 108943.0 | 183122.1 | S |
| 42.350 | 0.0000 | 0.0000 | 85.078 | 0.19944 | 0.00000 | 319537.6 | 108948.9 | 183122.1 | S |
| 42.358 | 0.0000 | 0.0000 | 85.078 | 0.19938 | 0.00000 | 319537.6 | 108954.9 | 183122.1 | S |
| 42.367 | 0.0000 | 0.0000 | 85.077 | 0.19932 | 0.00000 | 319537.6 | 108960.9 | 183122.1 | S |
| 42.375 | 0.0000 | 0.0000 | 85.077 | 0.19926 | 0.00000 | 319537.6 | 108966.9 | 183122.1 | S |
| 42.383 | 0.0000 | 0.0000 | 85.076 | 0.19919 | 0.00000 | 319537.6 | 108972.9 | 183122.1 | S |
| 42.392 | 0.0000 | 0.0000 | 85.076 | 0.19913 | 0.00000 | 319537.6 | 108978.8 | 183122.1 | S |
| 42.400 | 0.0000 | 0.0000 | 85.076 | 0.19907 | 0.00000 | 319537.6 | 108984.8 | 183122.1 | S |
| 42.408 | 0.0000 | 0.0000 | 85.075 | 0.19901 | 0.00000 | 319537.6 | 108990.8 | 183122.1 | S |
| 42.417 | 0.0000 | 0.0000 | 85.075 | 0.19894 | 0.00000 | 319537.6 | 108996.7 | 183122.1 | S |
| 42.425 | 0.0000 | 0.0000 | 85.074 | 0.19888 | 0.00000 | 319537.6 | 109002.7 | 183122.1 | S |
| 42.433 | 0.0000 | 0.0000 | 85.074 | 0.19882 | 0.00000 | 319537.6 | 109008.7 | 183122.1 | S |
| 42.442 | 0.0000 | 0.0000 | 85.073 | 0.19876 | 0.00000 | 319537.6 | 109014.6 | 183122.1 | S |
| 42.450 | 0.0000 | 0.0000 | 85.073 | 0.19870 | 0.00000 | 319537.6 | 109020.6 | 183122.1 | S |
| 42.458 | 0.0000 | 0.0000 | 85.073 | 0.19863 | 0.00000 | 319537.6 | 109026.6 | 183122.1 | S |
| 42.467 | 0.0000 | 0.0000 | 85.072 | 0.19857 | 0.00000 | 319537.6 | 109032.5 | 183122.1 | S |
| 42.475 | 0.0000 | 0.0000 | 85.072 | 0.19851 | 0.00000 | 319537.6 | 109038.5 | 183122.1 | S |
| 42.483 | 0.0000 | 0.0000 | 85.071 | 0.19845 | 0.00000 | 319537.6 | 109044.4 | 183122.1 | S |
| 42.492 | 0.0000 | 0.0000 | 85.071 | 0.19839 | 0.00000 | 319537.6 | 109050.4 | 183122.1 | S |
| 42.500 | 0.0000 | 0.0000 | 85.070 | 0.19833 | 0.00000 | 319537.6 | 109056.3 | 183122.1 | S |
| 42.508 | 0.0000 | 0.0000 | 85.070 | 0.19826 | 0.00000 | 319537.6 | 109062.3 | 183122.1 | S |
| 42.517 | 0.0000 | 0.0000 | 85.069 | 0.19820 | 0.00000 | 319537.6 | 109068.2 | 183122.1 | S |
| 42.525 | 0.0000 | 0.0000 | 85.069 | 0.19814 | 0.00000 | 319537.6 | 109074.2 | 183122.1 | S |
| 42.533 | 0.0000 | 0.0000 | 85.069 | 0.19808 | 0.00000 | 319537.6 | 109080.1 | \{83122.1 | S |
| 42.542 | 0.0000 | 0.0000 | 85.068 | 0.19802 | 0.00000 | 319537.6 | 109086.1 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{H}^{3 / 5}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( ( $^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{H}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 42.550 | 0.0000 | 0.0000 | 85.068 | 0.19796 | 0.00000 | 319537.6 | 109092.0 | 183122.1 | S |
| 42.558 | 0.0000 | 0.0000 | 85.067 | 0.19789 | 0.00000 | 319537.6 | 109097.9 | 183122.1 | S |
| 42.567 | 0.0000 | 0.0000 | 85.067 | 0.19783 | 0.00000 | 319537.6 | 109103.9 | 183122.1 | S |
| 42.575 | 0.0000 | 0.0000 | 85.066 | 0.19777 | 0.00000 | 319537.6 | 109109.8 | 183122.1 | S |
| 42.583 | 0.0000 | 0.0000 | 85.066 | 0.19771 | 0.00000 | 319537.6 | 109115.7 | 183122.1 | S |
| 42.592 | 0.0000 | 0.0000 | 85.066 | 0.19765 | 0.00000 | 319537.6 | 109121.7 | 183122.1 | S |
| 42.600 | 0.0000 | 0.0000 | 85.065 | 0.19759 | 0.00000 | 319537.6 | 109127.6 | 183122.1 | S |
| 42.608 | 0.0000 | 0.0000 | 85.065 | 0.19753 | 0.00000 | 319537.6 | 109133.5 | 183122.1 | S |
| 42.617 | 0.0000 | 0.0000 | 85.064 | 0.19746 | 0.00000 | 319537.6 | 109139.5 | 183122.1 | S |
| 42.625 | 0.0000 | 0.0000 | 85.064 | 0.19740 | 0.00000 | 319537.6 | 109145.4 | 183122.1 | S |
| 42.633 | 0.0000 | 0.0000 | 85.063 | 0.19734 | 0.00000 | 319537.6 | 109151.3 | 183122.1 | S |
| 42.642 | 0.0000 | 0.0000 | 85.063 | 0.19728 | 0.00000 | 319537.6 | 109157.2 | 183122.1 | S |
| 42.650 | 0.0000 | 0.0000 | 85.062 | 0.19722 | 0.00000 | 319537.6 | 109163.1 | 183122.1 | S |
| 42.658 | 0.0000 | 0.0000 | 85.062 | 0.19716 | 0.00000 | 319537.6 | 109169.0 | 183122.1 | S |
| 42.667 | 0.0000 | 0.0000 | 85.062 | 0.19710 | 0.00000 | 319537.6 | 109175.0 | 183122.1 | S |
| 42.675 | 0.0000 | 0.0000 | 85.061 | 0.19704 | 0.00000 | 319537.6 | 109180.9 | 183122.1 | S |
| 42.683 | 0.0000 | 0.0000 | 85.061 | 0.19698 | 0.00000 | 319537.6 | 109186.8 | 183122.1 | S |
| 42.692 | 0.0000 | 0.0000 | 85.060 | 0.19691 | 0.00000 | 319537.6 | 109192.7 | 183122.1 | S |
| 42.700 | 0.0000 | 0.0000 | 85.060 | 0.19685 | 0.00000 | 319537.6 | 109198.6 | 183122.1 | S |
| 42.708 | 0.0000 | 0.0000 | 85.059 | 0.19679 | 0.00000 | 319537.6 | 109204.5 | 183122.1 | S |
| 42.717 | 0.0000 | 0.0000 | 85.059 | 0.19673 | 0.00000 | 319537.6 | 109210.4 | 183122.1 | S |
| 42.725 | 0.0000 | 0.0000 | 85.059 | 0.19667 | 0.00000 | 319537.6 | 109216.3 | 183122.1 | S |
| 42.733 | 0.0000 | 0.0000 | 85.058 | 0.19661 | 0.00000 | 319537.6 | 109222.2 | 183122.1 | S |
| 42.742 | 0.0000 | 0.0000 | 85.058 | 0.19655 | 0.00000 | 319537.6 | 109228.1 | 183122.1 | S |
| 42.750 | 0.0000 | 0.0000 | 85.057 | 0.19649 | 0.00000 | 319537.6 | 109234.0 | 183122.1 | S |
| 42.758 | 0.0000 | 0.0000 | 85.057 | 0.19643 | 0.00000 | 319537.6 | 109239.9 | 183122.1 | S |
| 42.767 | 0.0000 | 0.0000 | 85.056 | 0.19637 | 0.00000 | 319537.6 | 109245.8 | 183122.1 | S |
| 42.775 | 0.0000 | 0.0000 | 85.056 | 0.19631 | 0.00000 | 319537.6 | 109251.7 | 183122.1 | S |
| 42.783 | 0.0000 | 0.0000 | 85.056 | 0.19625 | 0.00000 | 319537.6 | 109257.6 | 183122.1 | S |
| 42.792 | 0.0000 | 0.0000 | 85.055 | 0.19618 | 0.00000 | 319537.6 | 109263.5 | 183122.1 | S |
| 42.800 | 0.0000 | 0.0000 | 85.055 | 0.19612 | 0.00000 | 319537.6 | 109269.3 | 183122.1 | S |
| 42.808 | 0.0000 | 0.0000 | 85.054 | 0.19606 | 0.00000 | 319537.6 | 109275.2 | 183122.1 | S |
| 42.817 | 0.0000 | 0.0000 | 85.054 | 0.19600 | 0.00000 | 319537.6 | 109281.1 | 183122.1 | S |
| 42.825 | 0.0000 | 0.0000 | 85.053 | 0.19594 | 0.00000 | 319537.6 | 109287.0 | 183122.1 | S |
| 42.833 | 0.0000 | 0.0000 | 85.053 | 0.19588 | 0.00000 | 319537.6 | 109292.9 | 183122.1 | S |
| 42.842 | 0.0000 | 0.0000 | 85.053 | 0.19582 | 0.00000 | 319537.6 | 109298.7 | 183122.1 | S |
| 42.850 | 0.0000 | 0.0000 | 85.052 | 0.19576 | 0.00000 | 319537.6 | 109304.6 | 183122.1 | S |
| 42.858 | 0.0000 | 0.0000 | 85.052 | 0.19570 | 0.00000 | 319537.6 | 109310.5 | 183122.1 | S |
| 42.867 | 0.0000 | 0.0000 | 85.051 | 0.19564 | 0.00000 | 319537.6 | 109316.3 | 183122.1 | S |
| 42.875 | 0.0000 | 0.0000 | 85.051 | 0.19558 | 0.00000 | 319537.6 | 109322.2 | 183122.1 | S |
| 42.883 | 0.0000 | 0.0000 | 85.050 | 0.19552 | 0.00000 | 319537.6 | 109328.1 | 183122.1 | S |
| 42.892 | 0.0000 | 0.0000 | 85.050 | 0.19546 | 0.00000 | 319537.6 | 109333.9 | 183122.1 | S |
| 42.900 | 0.0000 | 0.0000 | 85.049 | 0.19540 | 0.00000 | 319537.6 | 109339.8 | 183122.1 | S |
| 42.908 | 0.0000 | 0.0000 | 85.049 | 0.19534 | 0.00000 | 319537.6 | 109345.7 | 183122.1 | S |
| 42.917 | 0.0000 | 0.0000 | 85.049 | 0.19528 | 0.00000 | 319537.6 | 109351.5 | 183122.1 | S |
| 42.925 | 0.0000 | 0.0000 | 85.048 | 0.19522 | 0.00000 | 319537.6 | 109357.4 | 483122.1 | S |
| 42.933 | 0.0000 | 0.0000 | 85.048 | 0.19516 | 0.00000 | 319537.6 | 109363.2 | 183122.1 | S |
| 42.942 | 0.0000 | 0.0000 | 85.047 | 0.19510 | 0.00000 | 319537.6 | 109369.1 | 183122.1 | S |
| 42.950 | 0.0000 | 0.0000 | 85.047 | 0.19504 | 0.00000 | 319537.6 | 109374.9 | 183122.1 | S |
| 42.958 | 0.0000 | 0.0000 | 85.046 | 0.19498 | 0.00000 | 319537.6 | 109380.8 | 183122.1 | S |
| 42.967 | 0.0000 | 0.0000 | 85.046 | 0.19492 | 0.00000 | 319537.6 | 109386.6 | 183122.1 | S |
| 42.975 | 0.0000 | 0.0000 | 85.046 | 0.19486 | 0.00000 | 319537.6 | 109392.5 | 183122.1 | S |
| 42.983 | 0.0000 | 0.0000 | 85.045 | 0.19480 | 0.00000 | 319537.6 | 109398.3 | 183122.1 | S |
| 42.992 | 0.0000 | 0.0000 | 85.045 | 0.19474 | 0.00000 | 319537.6 | 109404.2 | 183122.1 | S |
| 43.000 | 0.0000 | 0.0000 | 85.044 | 0.19468 | 0.00000 | 319537.6 | 109410.0 | 183122.1 | S |
| 43.008 | 0.0000 | 0.0000 | 85.044 | 0.19462 | 0.00000 | 319537.6 | 109415.9 | 183122.1 | S |
| 43.017 | 0.0000 | 0.0000 | 85.043 | 0.19456 | 0.00000 | 319537.6 | 109421.7 | 183122.1 | S |
| 43.025 | 0.0000 | 0.0000 | 85.043 | 0.19450 | 0.00000 | 319537.6 | 109427.5 | 483122.1 | S |
| 43.033 | 0.0000 | 0.0000 | 85.043 | 0.19444 | 0.00000 | 319537.6 | 109433.4 | 183122.1 | S |
| 43.042 | 0.0000 | 0.0000 | 85.042 | 0.19438 | 0.00000 | 319537.6 | 109439.2 | 183122.1 | S |
| 43.050 | 0.0000 | 0.0000 | 85.042 | 0.19432 | 0.00000 | 319537.6 | 109445.0 | 183122.1 | S |
| 43.058 | 0.0000 | 0.0000 | 85.041 | 0.19426 | 0.00000 | 319537.6 | 109450.9 | 183122.1 | S |
| 43.067 | 0.0000 | 0.0000 | 85.041 | 0.19420 | 0.00000 | 319537.6 | 109456.7 | 183122.1 | S |
| 43.075 | 0.0000 | 0.0000 | 85.040 | 0.19414 | 0.00000 | 319537.6 | 109462.5 | 183122.1 | S |
| 43.083 | 0.0000 | 0.0000 | 85.040 | 0.19408 | 0.00000 | 319537.6 | 109468.3 | 183122.1 | S |
| 43.092 | 0.0000 | 0.0000 | 85.040 | 0.19402 | 0.00000 | 319537.6 | 109474.2 | 183722.1 | S |
| 43.100 | 0.0000 | 0.0000 | 85.039 | 0.19396 | 0.00000 | 319537.6 | 109480.0 | 183122.1 | S |
| 43.108 | 0.0000 | 0.0000 | 85.039 | 0.19390 | 0.00000 | 319537.6 | 109485.8 | 183122.1 | S |
| 43.117 | 0.0000 | 0.0000 | 85.038 | 0.19385 | 0.00000 | 319537.6 | 109491.6 | 183122.1 | S |
| 43.125 | 0.0000 | 0.0000 | 85.038 | 0.19379 | 0.00000 | 319537.6 | 109497.4 | 183122.1 | S |
| 43.133 | 0.0000 | 0.0000 | 85.037 | 0.19373 | 0.00000 | 319537.6 | 109503.2 | 183122.1 | S |
| 43.142 | 0.0000 | 0.0000 | 85.037 | 0.19367 | 0.00000 | 319537.6 | 109509.1 | 183122.1 | S |
| 43.150 | 0.0000 | 0.0000 | 85.037 | 0.19361 | 0.00000 | 319537.6 | 109514.9 | 183122.1 | S |
| 43.158 | 0.0000 | 0.0000 | 85.036 | 0.19355 | 0.00000 | 319537.6 | 109520.7 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overfiow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 43.167 | 0.0000 | 0.0000 | 85.036 | 0.19349 | 0.00000 | 319537.6 | 109526.5 | 183122.1 | S |
| 43.175 | 0.0000 | 0.0000 | 85.035 | 0.19343 | 0.00000 | 319537.6 | 109532.3 | 183122.1 | S |
| 43.183 | 0.0000 | 0.0000 | 85.035 | 0.19337 | 0.00000 | 319537.6 | 109538.1 | 183122.1 | S |
| 43.192 | 0.0000 | 0.0000 | 85.034 | 0.19331 | 0.00000 | 319537.6 | 109543.9 | 183122.1 | S |
| 43.200 | 0.0000 | 0.0000 | 85.034 | 0.19325 | 0.00000 | 319537.6 | 109549.7 | 183122.1 | S |
| 43.208 | 0.0000 | 0.0000 | 85.034 | 0.19319 | 0.00000 | 319537.6 | 109555.5 | 183122.1 | S |
| 43.217 | 0.0000 | 0.0000 | 85.033 | 0.19314 | 0.00000 | 319537.6 | 109561.3 | 183122.1 | S |
| 43.225 | 0.0000 | 0.0000 | 85.033 | 0.19308 | 0.00000 | 319537.6 | 109567.1 | 183122.1 | S |
| 43.233 | 0.0000 | 0.0000 | 85.032 | 0.19302 | 0.00000 | 319537.6 | 109572.9 | 183122.1 | S |
| 43.242 | 0.0000 | 0.0000 | 85.032 | 0.19296 | 0.00000 | 319537.6 | 109578.6 | 183122.1 | S |
| 43.250 | 0.0000 | 0.0000 | 85.031 | 0.19290 | 0.00000 | 319537.6 | 109584.4 | 183122.1 | S |
| 43.258 | 0.0000 | 0.0000 | 85.031 | 0.19284 | 0.00000 | 319537.6 | 109590.2 | 183122.1 | S |
| 43.267 | 0.0000 | 0.0000 | 85.031 | 0.19278 | 0.00000 | 319537.6 | 109596.0 | 183122.1 | S |
| 43.275 | 0.0000 | 0.0000 | 85.030 | 0.19272 | 0.00000 | 319537.6 | 109601.8 | 183122.1 | S |
| 43.283 | 0.0000 | 0.0000 | 85.030 | 0.19266 | 0.00000 | 319537.6 | 109607.6 | 183122.1 | S |
| 43.292 | 0.0000 | 0.0000 | 85.029 | 0.19261 | 0.00000 | 319537.6 | 109613.3 | 183122.1 | S |
| 43.300 | 0.0000 | 0.0000 | 85.029 | 0.19255 | 0.00000 | 319537.6 | 109619.1 | 183122.4 | S |
| 43.308 | 0.0000 | 0.0000 | 85.028 | 0.19249 | 0.00000 | 319537.6 | 109624.9 | 183122.1 | S |
| 43.317 | 0.0000 | 0.0000 | 85.028 | 0.19243 | 0.00000 | 319537.6 | 109630.7 | 183122.1 | S |
| 43.325 | 0.0000 | 0.0000 | 85.028 | 0.19237 | 0.00000 | 319537.6 | 109636.4 | 183122.1 | S |
| 43.333 | 0.0000 | 0.0000 | 85.027 | 0.19231 | 0.00000 | 319537.6 | 109642.2 | 183122.1 | S |
| 43.342 | 0.0000 | 0.0000 | 85.027 | 0.19225 | 0.00000 | 319537.6 | 109648.0 | 183122.1 | S |
| 43.350 | 0.0000 | 0.0000 | 85.026 | 0.19220 | 0.00000 | 319537.6 | 109653.8 | 183122.1 | S |
| 43.358 | 0.0000 | 0.0000 | 85.026 | 0.19214 | 0.00000 | 319537.6 | 109659.5 | 183122.1 | S |
| 43.367 | 0.0000 | 0.0000 | 85.025 | 0.19208 | 0.00000 | 319537.6 | 109665.3 | 183122.1 | S |
| 43.375 | 0.0000 | 0.0000 | 85.025 | 0.19202 | 0.00000 | 319537.6 | 109671.0 | 183122.1 | S |
| 43.383 | 0.0000 | 0.0000 | 85.025 | 0.19196 | 0.00000 | 319537.6 | 109676.8 | 183122.1 | S |
| 43.392 | 0.0000 | 0.0000 | 85.024 | 0.19190 | 0.00000 | 319537.6 | 109682.6 | 183122.1 | S |
| 43.400 | 0.0000 | 0.0000 | 85.024 | 0.19184 | 0.00000 | 319537.6 | 109688.3 | 183122.1 | S |
| 43.408 | 0.0000 | 0.0000 | 85.023 | 0.19179 | 0.00000 | 319537.6 | 109694.1 | 183122.1 | S |
| 43.417 | 0.0000 | 0.0000 | 85.023 | 0.19173 | 0.00000 | 319537.6 | 109699.8 | 183122.1 | S |
| 43.425 | 0.0000 | 0.0000 | 85.022 | 0.19167 | 0.00000 | 319537.6 | 109705.6 | 183122.1 | S |
| 43.433 | 0.0000 | 0.0000 | 85.022 | 0.19161 | 0.00000 | 319537.6 | 109711.3 | 183122.1 | S |
| 43.442 | 0.0000 | 0.0000 | 85.022 | 0.19155 | 0.00000 | 319537.6 | 109717.1 | 183122.1 | S |
| 43.450 | 0.0000 | 0.0000 | 85.021 | 0.19150 | 0.00000 | 319537.6 | 109722.8 | 183122.1 | S |
| 43.458 | 0.0000 | 0.0000 | 85.021 | 0.19144 | 0.00000 | 319537.6 | 109728.6 | 183122.1 | S |
| 43.467 | 0.0000 | 0.0000 | 85.020 | 0.19138 | 0.00000 | 319537.6 | 109734.3 | 183122.1 | S |
| 43.475 | 0.0000 | 0.0000 | 85.020 | 0.19132 | 0.00000 | 319537.6 | 109740.0 | 183122.1 | S |
| 43.483 | 0.0000 | 0.0000 | 85.019 | 0.19126 | 0.00000 | 319537.6 | 109745.8 | 183122.1 | S |
| 43.492 | 0.0000 | 0.0000 | 85.019 | 0.19120 | 0.00000 | 319537.6 | 109751.5 | 183122.1 | S |
| 43.500 | 0.0000 | 0.0000 | 85.019 | 0.19115 | 0.00000 | 319537.6 | 109757.3 | 183122.1 | S |
| 43.508 | 0.0000 | 0.0000 | 85.018 | 0.19109 | 0.00000 | 319537.6 | 109763.0 | 183122.1 | S |
| 43.517 | 0.0000 | 0.0000 | 85.018 | 0.19103 | 0.00000 | 319537.6 | 109768.7 | 183122.1 | S |
| 43.525 | 0.0000 | 0.0000 | 85.017 | 0.19097 | 0.00000 | 319537.6 | 109774.4 | 183122.1 | S |
| 43.533 | 0.0000 | 0.0000 | 85.017 | 0.19092 | 0.00000 | 319537.6 | 109780.2 | 183122.7 | S |
| 43.542 | 0.0000 | 0.0000 | 85.016 | 0.19086 | 0.00000 | 319537.6 | 109785.9 | 183122.1 | S |
| 43.550 | 0.0000 | 0.0000 | 85.016 | 0.19080 | 0.00000 | 319537.6 | 109791.6 | 183122.1 | S |
| 43.558 | 0.0000 | 0.0000 | 85.016 | 0.19074 | 0.00000 | 319537.6 | 109797.4 | 183122.1 | S |
| 43.567 | 0.0000 | 0.0000 | 85.015 | 0.19068 | 0.00000 | 319537.6 | 109803.1 | 183122.1 | S |
| 43.575 | 0.0000 | 0.0000 | 85.015 | 0.19063 | 0.00000 | 319537.6 | 109808.8 | 183122.1 | S |
| 43.583 | 0.0000 | 0.0000 | 85.014 | 0.19057 | 0.00000 | 319537.6 | 109814.5 | 183122.1 | S |
| 43.592 | 0.0000 | 0.0000 | 85.014 | 0.19051 | 0.00000 | 319537.6 | 109820.2 | 183122.1 | S |
| 43.600 | 0.0000 | 0.0000 | 85.013 | 0.19045 | 0.00000 | 319537.6 | 109825.9 | 183122.1 | S |
| 43.608 | 0.0000 | 0.0000 | 85.013 | 0.19040 | 0.00000 | 319537.6 | 109831.6 | 183122.1 | S |
| 43.617 | 0.0000 | 0.0000 | 85.013 | 0.19034 | 0.00000 | 319537.6 | 109837.4 | 183122.1 | S |
| 43.625 | 0.0000 | 0.0000 | 85.012 | 0.19028 | 0.00000 | 319537.6 | 109843.1 | 183122.1 | S |
| 43.633 | 0.0000 | 0.0000 | 85.012 | 0.19022 | 0.00000 | 319537.6 | 109848.8 | 183122.1 | S |
| 43.642 | 0.0000 | 0.0000 | 85.011 | 0.19017 | 0.00000 | 319537.6 | 109854.5 | 183122.1 | S |
| 43.650 | 0.0000 | 0.0000 | 85.011 | 0.19011 | 0.00000 | 319537.6 | 109860.2 | 183122.1 | S |
| 43.658 | 0.0000 | 0.0000 | 85.011 | 0.19005 | 0.00000 | 319537.6 | 109865.9 | 183122.1 | S |
| 43.667 | 0.0000 | 0.0000 | 85.010 | 0.18999 | 0.00000 | 319537.6 | 109871.6 | 183122.1 | S |
| 43.675 | 0.0000 | 0.0000 | 85.010 | 0.18994 | 0.00000 | 319537.6 | 109877.3 | 183122.1 | S |
| 43.683 | 0.0000 | 0.0000 | 85.009 | 0.18988 | 0.00000 | 319537.6 | 109883.0 | 183122.1 | S |
| 43.692 | 0.0000 | 0.0000 | 85.009 | 0.18982 | 0.00000 | 319537.6 | 109888.7 | 183122.4 | S |
| 43.700 | 0.0000 | 0.0000 | 85.008 | 0.18976 | 0.00000 | 319537.6 | 109894.4 | 183122.1 | S |
| 43.708 | 0.0000 | 0.0000 | 85.008 | 0.18971 | 0.00000 | 319537.6 | 109900.1 | 183122.1 | S |
| 43.717 | 0.0000 | 0.0000 | 85.008 | 0.18965 | 0.00000 | 319537.6 | 109905.8 | 183122.1 | S |
| 43.725 | 0.0000 | 0.0000 | 85.007 | 0.18959 | 0.00000 | 319537.6 | 109911.4 | 183122.1 | S |
| 43.733 | 0.0000 | 0.0000 | 85.007 | 0.18954 | 0.00000 | 319537.6 | 109917.1 | 183122.1 | S |
| 43.742 | 0.0000 | 0.0000 | 85.006 | 0.18948 | 0.00000 | 319537.6 | 109922.8 | 183122.1 | S |
| 43.750 | 0.0000 | 0.0000 | 85.006 | 0.18942 | 0.00000 | 319537.6 | 109928.5 | 183122.1 | S |
| 43.758 | 0.0000 | 0.0000 | 85.005 | 0.18936 | 0.00000 | 319537.6 | 109934.2 | 183122.1 | S |
| 43.767 | 0.0000 | 0.0000 | 85.005 | 0.18931 | 0.00000 | 319537.6 | 109939.9 | 183122.1 | S |
| 43.775 | 0.0000 | 0.0000 | 85.005 | 0.18925 | 0.00000 | 319537.6 | 109945.5 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:: Scenario $1::$ pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow <br> Rate <br> ( $\mathrm{H}^{3 / \mathrm{s}}$ ) | Outside Recharge (H/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge (fishs) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{H}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 43.783 | 0.0000 | 0.0000 | 85.004 | 0.18919 | 0.00000 | 319537.6 | 109951.2 | 183122.1 | S |
| 43.792 | 0.0000 | 0.0000 | 85.004 | 0.18914 | 0.00000 | 319537.6 | 109956.9 | 183122.1 | S |
| 43.800 | 0.0000 | 0.0000 | 85.003 | 0.18908 | 0.00000 | 319537.6 | 109962.6 | 183122.1 | S |
| 43.808 | 0.0000 | 0.0000 | 85.003 | 0.18902 | 0.00000 | 319537.6 | 109968.2 | 183122.1 | S |
| 43.817 | 0.0000 | 0.0000 | 85.002 | 0.18897 | 0.00000 | 319537.6 | 109973.9 | 183122.1 | S |
| 43.825 | 0.0000 | 0.0000 | 85.002 | 0.18891 | 0.00000 | 319537.6 | 109979.6 | 183122.1 | S |
| 43.833 | 0.0000 | 0.0000 | 85.002 | 0.18885 | 0.00000 | 319537.6 | 109985.2 | 183122.1 | S |
| 43.842 | 0.0000 | 0.0000 | 85.001 | 0.18879 | 0.00000 | 319537.6 | 109990.9 | 183122.1 | S |
| 43.850 | 0.0000 | 0.0000 | 85.001 | 0.18874 | 0.00000 | 319537.6 | 109996.6 | 183122.1 | S |
| 43.858 | 0.0000 | 0.0000 | 85.000 | 0.18868 | 0.00000 | 319537.6 | 110002.2 | 183122.1 | S |
| 43.867 | 0.0000 | 0.0000 | 85.000 | 0.18862 | 0.00000 | 319537.6 | 110007.9 | 183122.1 | S |
| 43.875 | 0.0000 | 0.0000 | 85.000 | 0.18857 | 0.00000 | 319537.6 | 110013.6 | 183122.1 | S |
| 43.883 | 0.0000 | 0.0000 | 84.999 | 0.18851 | 0.00000 | 319537.6 | 110019.2 | 183122.1 | S |
| 43.892 | 0.0000 | 0.0000 | 84.999 | 0.18845 | 0.00000 | 319537.6 | 110024.9 | 183122.1 | S |
| 43.900 | 0.0000 | 0.0000 | 84.998 | 0.18840 | 0.00000 | 319537.6 | 110030.5 | 183122.1 | S |
| 43.908 | 0.0000 | 0.0000 | 84.998 | 0.18834 | 0.00000 | 319537.6 | 110036.2 | 183122.1 | S |
| 43.917 | 0.0000 | 0.0000 | 84.997 | 0.18828 | 0.00000 | 319537.6 | 110041.8 | 183122.1 | S |
| 43.925 | 0.0000 | 0.0000 | 84.997 | 0.18823 | 0.00000 | 319537.6 | 110047.5 | 183122.1 | S |
| 43.933 | 0.0000 | 0.0000 | 84.997 | 0.18817 | 0.00000 | 319537.6 | 110053.1 | 183122.1 | S |
| 43.942 | 0.0000 | 0.0000 | 84.996 | 0.18811 | 0.00000 | 319537.6 | 110058.8 | 183122.1 | S |
| 43.950 | 0.0000 | 0.0000 | 84.996 | 0.18806 | 0.00000 | 319537.6 | 110064.4 | 183122.1 | S |
| 43.958 | 0.0000 | 0.0000 | 84.995 | 0.18800 | 0.00000 | 319537.6 | 110070.0 | 183122.1 | S |
| 43.967 | 0.0000 | 0.0000 | 84.995 | 0.18794 | 0.00000 | 319537.6 | 110075.7 | 183122.1 | S |
| 43.975 | 0.0000 | 0.0000 | 84.994 | 0.18789 | 0.00000 | 319537.6 | 110081.3 | 183122.1 | S |
| 43.983 | 0.0000 | 0.0000 | 84.994 | 0.18783 | 0.00000 | 319537.6 | 110086.9 | 183122.1 | S |
| 43.992 | 0.0000 | 0.0000 | 84.994 | 0.18777 | 0.00000 | 319537.6 | 110092.6 | 183122.1 | S |
| 44.000 | 0.0000 | 0.0000 | 84.993 | 0.18772 | 0.00000 | 319537.6 | 110098.2 | 183122.1 | S |
| 44.008 | 0.0000 | 0.0000 | 84.993 | 0.18766 | 0.00000 | 319537.6 | 110103.8 | 183122.1 | S |
| 44.017 | 0.0000 | 0.0000 | 84.992 | 0.18760 | 0.00000 | 319537.6 | 110109.5 | 183122.1 | S |
| 44.025 | 0.0000 | 0.0000 | 84.992 | 0.18755 | 0.00000 | 319537.6 | 110115.1 | 183122.1 | S |
| 44.033 | 0.0000 | 0.0000 | 84.992 | 0.18749 | 0.00000 | 319537.6 | 110120.7 | 183122.1 | S |
| 44.042 | 0.0000 | 0.0000 | 84.991 | 0.18743 | 0.00000 | 319537.6 | 110126.4 | 183122.1 | S |
| 44.050 | 0.0000 | 0.0000 | 84.991 | 0.18738 | 0.00000 | 319537.6 | 110132.0 | 183122.1 | S |
| 44.058 | 0.0000 | 0.0000 | 84.990 | 0.18732 | 0.00000 | 319537.6 | 110137.6 | 183122.1 | S |
| 44.067 | 0.0000 | 0.0000 | 84.990 | 0.18727 | 0.00000 | 319537.6 | 110143.2 | 183122.1 | S |
| 44.075 | 0.0000 | 0.0000 | 84.989 | 0.18721 | 0.00000 | 319537.6 | 110148.8 | 183122.1 | S |
| 44.083 | 0.0000 | 0.0000 | 84.989 | 0.18715 | 0.00000 | 319537.6 | 110154.4 | 183122.1 | S |
| 44.092 | 0.0000 | 0.0000 | 84.989 | 0.18710 | 0.00000 | 319537.6 | 110160.1 | 183122.1 | S |
| 44.100 | 0.0000 | 0.0000 | 84.988 | 0.18704 | 0.00000 | 319537.6 | 110165.7 | 183122.1 | S |
| 44.108 | 0.0000 | 0.0000 | 84.988 | 0.18698 | 0.00000 | 319537.6 | 110171.3 | 183122.1 | S |
| 44.117 | 0.0000 | 0.0000 | 84.987 | 0.18693 | 0.00000 | 319537.6 | 110176.9 | 183122.1 | S |
| 44.125 | 0.0000 | 0.0000 | 84.987 | 0.18687 | 0.00000 | 319537.6 | 110182.5 | 183122.1 | S |
| 44.133 | 0.0000 | 0.0000 | 84.986 | 0.18682 | 0.00000 | 319537.6 | 110188.1 | 183122.1 | S |
| 44.142 | 0.0000 | 0.0000 | 84.986 | 0.18676 | 0.00000 | 319537.6 | 110193.7 | 183122.1 | S |
| 44.150 | 0.0000 | 0.0000 | 84.986 | 0.18670 | 0.00000 | 319537.6 | 110199.3 | 183122.1 | S |
| 44.158 | 0.0000 | 0.0000 | 84.985 | 0.18665 | 0.00000 | 319537.6 | 110204.9 | 183122.1 | S |
| 44.167 | 0.0000 | 0.0000 | 84.985 | 0.18659 | 0.00000 | 319537.6 | 110210.5 | 183122.1 | S |
| 44.175 | 0.0000 | 0.0000 | 84.984 | 0.18654 | 0.00000 | 319537.6 | 110216.1 | 183122.1 | S |
| 44.183 | 0.0000 | 0.0000 | 84.984 | 0.18648 | 0.00000 | 319537.6 | 110221.7 | 183122.1 | S |
| 44.192 | 0.0000 | 0.0000 | 84.984 | 0.18642 | 0.00000 | 319537.6 | 110227.3 | 183122.1 | S |
| 44.200 | 0.0000 | 0.0000 | 84.983 | 0.18637 | 0.00000 | 319537.6 | 110232.9 | 183122.1 | S |
| 44.208 | 0.0000 | 0.0000 | 84.983 | 0.18631 | 0.00000 | 319537.6 | 110238.5 | 183122.1 | S |
| 44.217 | 0.0000 | 0.0000 | 84.982 | 0.18626 | 0.00000 | 319537.6 | 110244.1 | 183122.1 | S |
| 44.225 | 0.0000 | 0.0000 | 84.982 | 0.18620 | 0.00000 | 319537.6 | 110249.6 | 183122.1 | S |
| 44.233 | 0.0000 | 0.0000 | 84.981 | 0.18614 | 0.00000 | 319537.6 | 110255.2 | 183122.1 | S |
| 44.242 | 0.0000 | 0.0000 | 84.981 | 0.18609 | 0.00000 | 319537.6 | 110260.8 | 183122.1 | S |
| 44.250 | 0.0000 | 0.0000 | 84.981 | 0.18603 | 0.00000 | 319537.6 | 110266.4 | 183122.1 | S |
| 44.258 | 0.0000 | 0.0000 | 84.980 | 0.18598 | 0.00000 | 319537.6 | 110272.0 | 183122.1 | S |
| 44.267 | 0.0000 | 0.0000 | 84.980 | 0.18592 | 0.00000 | 319537.6 | 110277.6 | 183122.1 | S |
| 44.275 | 0.0000 | 0.0000 | 84.979 | 0.18586 | 0.00000 | 319537.6 | 110283.1 | 183122.1 | S |
| 44.283 | 0.0000 | 0.0000 | 84.979 | 0.18581 | 0.00000 | 319537.6 | 110288.7 | 183122.1 | S |
| 44.292 | 0.0000 | 0.0000 | 84.979 | 0.18575 | 0.00000 | 319537.6 | 110294.3 | 183122.1 | S |
| 44.300 | 0.0000 | 0.0000 | 84.978 | 0.18570 | 0.00000 | 319537.6 | 110299.9 | 183122.1 | S |
| 44.308 | 0.0000 | 0.0000 | 84.978 | 0.18564 | 0.00000 | 319537.6 | 110305.4 | 183122.1 | S |
| 44.317 | 0.0000 | 0.0000 | 84.977 | 0.18559 | 0.00000 | 319537.6 | 110311.0 | 183122.1 | S |
| 44.325 | 0.0000 | 0.0000 | 84.977 | 0.18553 | 0.00000 | 319537.6 | 110316.6 | 183122.1 | S |
| 44.333 | 0.0000 | 0.0000 | 84.976 | 0.18547 | 0.00000 | 319537.6 | 110322.1 | 183122.1 | S |
| 44.342 | 0.0000 | 0.0000 | 84.976 | 0.18542 | 0.00000 | 319537.6 | 110327.7 | 183122.1 | S |
| 44.350 | 0.0000 | 0.0000 | 84.976 | 0.18536 | 0.00000 | 319537.6 | 110333.3 | 183122.1 | S |
| 44.358 | 0.0000 | 0.0000 | 84.975 | 0.18531 | 0.00000 | 319537.6 | 110338.8 | 183122.1 | S |
| 44.367 | 0.0000 | 0.0000 | 84.975 | 0.18525 | 0.00000 | 319537.6 | 110344.4 | 183122.1 | S |
| 44.375 | 0.0000 | 0.0000 | 84.974 | 0.18520 | 0.00000 | 319537.6 | 110349.9 | 183122.1 | S |
| 44.383 | 0.0000 | 0.0000 | 84.974 | 0.18514 | 0.00000 | 319537.6 | 110355.5 | 183122.1 | S |
| 44.392 | 0.0000 | 0.0000 | 84.974 | 0.18509 | 0.00000 | 319537.6 | 110361.0 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate (fis/s) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Infow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 44.400 | 0.0000 | 0.0000 | 84.973 | 0.18503 | 0.00000 | 319537.6 | \$10366.6 | 183122.1 | S |
| 44.408 | 0.0000 | 0.0000 | 84.973 | 0.18498 | 0.00000 | 319537.6 | 110372.1 | 183122.1 | S |
| 44.417 | 0.0000 | 0.0000 | 84.972 | 0.18492 | 0.00000 | 319537.6 | 110377.7 | 183122.1 | S |
| 44.425 | 0.0000 | 0.0000 | 84.972 | 0.18486 | 0.00000 | 319537.6 | 110383.2 | 183122.1 | S |
| 44.433 | 0.0000 | 0.0000 | 84.971 | 0.18481 | 0.00000 | 319537.6 | 110388.8 | 183122.1 | S |
| 44.442 | 0.0000 | 0.0000 | 84.971 | 0.18475 | 0.00000 | 319537.6 | 110394.3 | 183122.1 | S |
| 44.450 | 0.0000 | 0.0000 | 84.971 | 0.18470 | 0.00000 | 319537.6 | 110399.9 | 183122.1 | S |
| 44.458 | 0.0000 | 0.0000 | 84.970 | 0.18464 | 0.00000 | 319537.6 | 110405.4 | 183122.1 | S |
| 44.467 | 0.0000 | 0.0000 | 84.970 | 0.18459 | 0.00000 | 319537.6 | 110410.9 | 183122.1 | S |
| 44.475 | 0.0000 | 0.0000 | 84.969 | 0.18453 | 0.00000 | 319537.6 | 110416.5 | 183122.1 | S |
| 44.483 | 0.0000 | 0.0000 | 84.969 | 0.18448 | 0.00000 | 319537.6 | 110422.0 | 183122.1 | S |
| 44.492 | 0.0000 | 0.0000 | 84.968 | 0.18442 | 0.00000 | 319537.6 | 110427.5 | 183122.1 | S |
| 44.500 | 0.0000 | 0.0000 | 84.968 | 0.18437 | 0.00000 | 319537.6 | 110433.1 | 183122.1 | S |
| 44.508 | 0.0000 | 0.0000 | 84.968 | 0.18431 | 0.00000 | 319537.6 | 110438.6 | 183122.1 | S |
| 44.517 | 0.0000 | 0.0000 | 84.967 | 0.18426 | 0.00000 | 319537.6 | 110444.1 | 183122.1 | S |
| 44.525 | 0.0000 | 0.0000 | 84.967 | 0.18420 | 0.00000 | 319537.6 | 110449.7 | 183122.1 | 5 |
| 44.533 | 0.0000 | 0.0000 | 84.966 | 0.18415 | 0.00000 | 319537.6 | 110455.2 | 183122.1 | 5 |
| 44.542 | 0.0000 | 0.0000 | 84.966 | 0.18409 | 0.00000 | 319537.6 | 110460.7 | 183122.1 | S |
| 44.550 | 0.0000 | 0.0000 | 84.966 | 0.18404 | 0.00000 | 319537.6 | 110466.2 | 183122.1 | S |
| 44.558 | 0.0000 | 0.0000 | 84.965 | 0.18398 | 0.00000 | 319537.6 | 110471.8 | 183122.1 | S |
| 44.567 | 0.0000 | 0.0000 | 84.965 | 0.18393 | 0.00000 | 319537.6 | 110477.3 | 183122.1 | S |
| 44.575 | 0.0000 | 0.0000 | 84.964 | 0.18387 | 0.00000 | 319537.6 | 110482.8 | 183122.1 | S |
| 44.583 | 0.0000 | 0.0000 | 84.964 | 0.18382 | 0.00000 | 319537.6 | 110488.3 | 183122.1 | S |
| 44.592 | 0.0000 | 0.0000 | 84.964 | 0.18376 | 0.00000 | 319537.6 | 110493.8 | 183122.1 | S |
| 44.600 | 0.0000 | 0.0000 | 84.963 | 0.18371 | 0.00000 | 319537.6 | 110499.3 | 183122.1 | S |
| 44.608 | 0.0000 | 0.0000 | 84.963 | 0.18365 | 0.00000 | 319537.6 | 110504.8 | 183122.1 | 5 |
| 44.617 | 0.0000 | 0.0000 | 84.962 | 0.18360 | 0.00000 | 319537.6 | 110510.4 | 183122.1 | S |
| 44.625 | 0.0000 | 0.0000 | 84.962 | 0.18354 | 0.00000 | 319537.6 | 110515.9 | 183122.1 | S |
| 44.633 | 0.0000 | 0.0000 | 84.961 | 0.18349 | 0.00000 | 319537.6 | 110521.4 | 183122.1 | S |
| 44.642 | 0.0000 | 0.0000 | 84.961 | 0.18343 | 0.00000 | 319537.6 | 110526.9 | 183122.1 | S |
| 44.650 | 0.0000 | 0.0000 | 84.961 | 0.18338 | 0.00000 | 319537.6 | 110532.4 | 183122.1 | S |
| 44.658 | 0.0000 | 0.0000 | 84.960 | 0.18332 | 0.00000 | 319537.6 | 110537.9 | 183122.7 | S |
| 44.667 | 0.0000 | 0.0000 | 84.960 | 0.18327 | 0.00000 | 319537.6 | 110543.4 | 183122.1 | S |
| 44.675 | 0.0000 | 0.0000 | 84.959 | 0.18321 | 0.00000 | 319537.6 | 110548.9 | 183122.1 | S |
| 44.683 | 0.0000 | 0.0000 | 84.959 | 0.18316 | 0.00000 | 319537.6 | 110554.4 | 183122.1 | S |
| 44.692 | 0.0000 | 0.0000 | 84.959 | 0.18311 | 0.00000 | 319537.6 | 110559.9 | 183122.1 | S |
| 44.700 | 0.0000 | 0.0000 | 84.958 | 0.18305 | 0.00000 | 319537.6 | 110565.3 | 183122.1 | S |
| 44.708 | 0.0000 | 0.0000 | 84.958 | 0.18300 | 0.00000 | 319537.6 | 110570.8 | 183122.1 | S |
| 44.717 | 0.0000 | 0.0000 | 84.957 | 0.18294 | 0.00000 | 319537.6 | 110576.3 | 183122.1 | S |
| 44.725 | 0.0000 | 0.0000 | 84.957 | 0.18289 | 0.00000 | 319537.6 | 110581.8 | 183122.1 | S |
| 44.733 | 0.0000 | 0.0000 | 84.956 | 0.18283 | 0.00000 | 319537.6 | 110587.3 | 183122.1 | 5 |
| 44.742 | 0.0000 | 0.0000 | 84.956 | 0.18278 | 0.00000 | 319537.6 | 110592.8 | 183122.1 | S |
| 44.750 | 0.0000 | 0.0000 | 84.956 | 0.18272 | 0.00000 | 319537.6 | 110598.3 | 183122.1 | 5 |
| 44.758 | 0.0000 | 0.0000 | 84.955 | 0.18267 | 0.00000 | 319537.6 | 110603.8 | 183122.1 | S |
| 44.767 | 0.0000 | 0.0000 | 84.955 | 0.18262 | 0.00000 | 319537.6 | 110609.2 | 183122.4 | S |
| 44.775 | 0.0000 | 0.0000 | 84.954 | 0.18256 | 0.00000 | 319537.6 | 110614.7 | 183122.1 | S |
| 44.783 | 0.0000 | 0.0000 | 84.954 | 0.18251 | 0.00000 | 319537.6 | 110620.2 | 183122.1 | S |
| 44.792 | 0.0000 | 0.0000 | 84.954 | 0.18245 | 0.00000 | 319537.6 | 110625.7 | 183122.1 | S |
| 44.800 | 0.0000 | 0.0000 | 84.953 | 0.18240 | 0.00000 | 319537.6 | 110631.1 | 183122.1 | S |
| 44.808 | 0.0000 | 0.0000 | 84.953 | 0.18234 | 0.00000 | 319537.6 | 110636.6 | 183122.1 | S |
| 44.817 | 0.0000 | 0.0000 | 84.952 | 0.18229 | 0.00000 | 319537.6 | 110642.1 | 183122.1 | S |
| 44.825 | 0.0000 | 0.0000 | 84.952 | 0.18224 | 0.00000 | 319537.6 | 110647.5 | 183122.1 | S |
| 44.833 | 0.0000 | 0.0000 | 84.951 | 0.18218 | 0.00000 | 319537.6 | 110653.0 | 183122.1 | S |
| 44.842 | 0.0000 | 0.0000 | 84.951 | 0.18213 | 0.00000 | 319537.6 | 110658.5 | 183122.1 | S |
| 44.850 | 0.0000 | 0.0000 | 84.951 | 0.18207 | 0.00000 | 319537.6 | 110663.9 | 183122.1 | S |
| 44.858 | 0.0000 | 0.0000 | 84.950 | 0.18202 | 0.00000 | 319537.6 | 110669.4 | 183122.1 | S |
| 44.867 | 0.0000 | 0.0000 | 84.950 | 0.18196 | 0.00000 | 319537.6 | 110674.9 | 183122.1 | 5 |
| 44.875 | 0.0000 | 0.0000 | 84.949 | 0.18191 | 0.00000 | 319537.6 | 110680.3 | 183122.7 | S |
| 44.883 | 0.0000 | 0.0000 | 84.949 | 0.18186 | 0.00000 | 319537.6 | 110685.8 | 183122.1 | S |
| 44.892 | 0.0000 | 0.0000 | 84.949 | 0.18180 | 0.00000 | 319537.6 | 110691.2 | 183122.1 | S |
| 44.900 | 0.0000 | 0.0000 | 84.948 | 0.18175 | 0.00000 | 319537.6 | 110696.7 | 183122.1 | S |
| 44.908 | 0.0000 | 0.0000 | 84.948 | 0.18169 | 0.00000 | 319537.6 | 110702.1 | 183122.1 | S |
| 44.917 | 0.0000 | 0.0000 | 84.947 | 0.18164 | 0.00000 | 319537.6 | 110707.6 | 183122.1 | S |
| 44.925 | 0.0000 | 0.0000 | 84.947 | 0.18159 | 0.00000 | 319537.6 | 110713.0 | 183122.1 | S |
| 44.933 | 0.0000 | 0.0000 | 84.947 | 0.18153 | 0.00000 | 319537.6 | 110718.5 | 183122.1 | S |
| 44.942 | 0.0000 | 0.0000 | 84.946 | 0.18148 | 0.00000 | 319537.6 | 110723.9 | 183122.1 | S |
| 44.950 | 0.0000 | 0.0000 | 84.946 | 0.18143 | 0.00000 | 319537.6 | 110729.4 | 183122.1 | S |
| 44.958 | 0.0000 | 0.0000 | 84.945 | 0.18137 | 0.00000 | 319537.6 | 110734.8 | 183122.1 | 5 |
| 44.967 | 0.0000 | 0.0000 | 84.945 | 0.18132 | 0.00000 | 319537.6 | 110740.2 | 183122.1 | S |
| 44.975 | 0.0000 | 0.0000 | 84.944 | 0.18126 | 0.00000 | 319537.6 | 110745.7 | 183122.1 | S |
| 44.983 | 0.0000 | 0.0000 | 84.944 | 0.18121 | 0.00000 | 319537.6 | 110751.1 | 183122.1 | S |
| 44.992 | 0.0000 | 0.0000 | 84.944 | 0.18116 | 0.00000 | 319537.6 | 110756.6 | 183122.1 | S |
| 45.000 | 0.0000 | 0.0000 | 84.943 | 0.18110 | 0.00000 | 319537.6 | 110762.0 | 183122.1 | S |
| 45.008 | 0.0000 | 0.0000 | 84.943 | 0.18105 | 0.00000 | 319537.6 | 110767.4 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{13 / \mathrm{s} \text { ) }}$ | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative inflow Volume ( $\mathrm{t}^{3}$ ) | Cumulative infiltration Volume (ft ${ }^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 45.017 | 0.0000 | 0.0000 | 84.942 | 0.18100 | 0.00000 | 319537.6 | 110772.9 | 183122.1 | S |
| 45.025 | 0.0000 | 0.0000 | 84.942 | 0.18094 | 0.00000 | 319537.6 | 110778.3 | 183122.1 | S |
| 45.033 | 0.0000 | 0.0000 | 84.942 | 0.18089 | 0.00000 | 319537.6 | 110783.7 | 183122.1 | S |
| 45.042 | 0.0000 | 0.0000 | 84.941 | 0.18083 | 0.00000 | 319537.6 | 110789.1 | 183122.1 | S |
| 45.050 | 0.0000 | 0.0000 | 84.941 | 0.18078 | 0.00000 | 319537.6 | 110794.6 | 183122.1 | S |
| 45.058 | 0.0000 | 0.0000 | 84.940 | 0.18073 | 0.00000 | 319537.6 | 110800.0 | 183122.1 | S |
| 45.067 | 0.0000 | 0.0000 | 84.940 | 0.18067 | 0.00000 | 319537.6 | 110805.4 | 183122.1 | S |
| 45.075 | 0.0000 | 0.0000 | 84.940 | 0.18062 | 0.00000 | 319537.6 | 110810.8 | 183122.1 | S |
| 45.083 | 0.0000 | 0.0000 | 84.939 | 0.18057 | 0.00000 | 319537.6 | 110816.2 | 183122.1 | S |
| 45.092 | 0.0000 | 0.0000 | 84.939 | 0.18051 | 0.00000 | 319537.6 | 110821.7 | 183122.1 | S |
| 45.100 | 0.0000 | 0.0000 | 84.938 | 0.18046 | 0.00000 | 319537.6 | 110827.1 | 183122.1 | S |
| 45.108 | 0.0000 | 0.0000 | 84.938 | 0.18041 | 0.00000 | 319537.6 | 110832.5 | 183122.1 | S |
| 45.117 | 0.0000 | 0.0000 | 84.937 | 0.18035 | 0.00000 | 319537.6 | 110837.9 | 183122.1 | S |
| 45.125 | 0.0000 | 0.0000 | 84.937 | 0.18030 | 0.00000 | 319537.6 | 110843.3 | 183122.1 | S |
| 45.133 | 0.0000 | 0.0000 | 84.937 | 0.18025 | 0.00000 | 319537.6 | 110848.7 | 183122.1 | S |
| 45.142 | 0.0000 | 0.0000 | 84.936 | 0.18019 | 0.00000 | 319537.6 | 110854.1 | 183122.1 | S |
| 45.150 | 0.0000 | 0.0000 | 84.936 | 0.18014 | 0.00000 | 319537.6 | 110859.5 | 183122.1 | S |
| 45.158 | 0.0000 | 0.0000 | 84.935 | 0.18009 | 0.00000 | 319537.6 | 110864.9 | 183122.1 | S |
| 45.167 | 0.0000 | 0.0000 | 84.935 | 0.18003 | 0.00000 | 319537.6 | 110870.3 | 183122.1 | S |
| 45.175 | 0.0000 | 0.0000 | 84.935 | 0.17998 | 0.00000 | 319537.6 | 110875.7 | 183122.1 | S |
| 45.183 | 0.0000 | 0.0000 | 84.934 | 0.17993 | 0.00000 | 319537.6 | 110881.1 | 183122.1 | S |
| 45.192 | 0.0000 | 0.0000 | 84.934 | 0.17987 | 0.00000 | 319537.6 | 110886.5 | 183122.1 | S |
| 45.200 | 0.0000 | 0.0000 | 84.933 | 0.17982 | 0.00000 | 319537.6 | 110891.9 | 183122.1 | S |
| 45.208 | 0.0000 | 0.0000 | 84.933 | 0.17977 | 0.00000 | 319537.6 | 110897.3 | 183122.1 | S |
| 45.217 | 0.0000 | 0.0000 | 84.933 | 0.17971 | 0.00000 | 319537.6 | 110902.7 | 183122.1 | S |
| 45.225 | 0.0000 | 0.0000 | 84.932 | 0.17966 | 0.00000 | 319537.6 | 110908.1 | 183122.1 | S |
| 45.233 | 0.0000 | 0.0000 | 84.932 | 0.17961 | 0.00000 | 319537.6 | 110913.5 | १83122.1 | S |
| 45.242 | 0.0000 | 0.0000 | 84.931 | 0.17955 | 0.00000 | 319537.6 | 110918.9 | 183122.1 | S |
| 45.250 | 0.0000 | 0.0000 | 84.931 | 0.17950 | 0.00000 | 319537.6 | 110924.3 | 183122.1 | S |
| 45.258 | 0.0000 | 0.0000 | 84.930 | 0.17945 | 0.00000 | 319537.6 | 110929.6 | 183122.4 | S |
| 45.267 | 0.0000 | 0.0000 | 84.930 | 0.17940 | 0.00000 | 319537.6 | 110935.0 | 183122.1 | S |
| 45.275 | 0.0000 | 0.0000 | 84.930 | 0.17934 | 0.00000 | 319537.6 | 110940.4 | 183122.1 | S |
| 45.283 | 0.0000 | 0.0000 | 84.929 | 0.17929 | 0.00000 | 319537.6 | 110945.8 | 183122.1 | S |
| 45.292 | 0.0000 | 0.0000 | 84.929 | 0.17924 | 0.00000 | 319537.6 | 110951.2 | 183122.1 | S |
| 45.300 | 0.0000 | 0.0000 | 84.928 | 0.17918 | 0.00000 | 319537.6 | 110956.5 | 183122.1 | S |
| 45.308 | 0.0000 | 0.0000 | 84.928 | 0.17913 | 0.00000 | 319537.6 | 110961.9 | 183122.1 | S |
| 45.317 | 0.0000 | 0.0000 | 84.928 | 0.17908 | 0.00000 | 319537.6 | 110967.3 | 183122.1 | S |
| 45.325 | 0.0000 | 0.0000 | 84.927 | 0.17903 | 0.00000 | 319537.6 | 110972.7 | 183122.1 | S |
| 45.333 | 0.0000 | 0.0000 | 84.927 | 0.17897 | 0.00000 | 319537.6 | 110978.0 | 183122.1 | S |
| 45.342 | 0.0000 | 0.0000 | 84.926 | 0.17892 | 0.00000 | 319537.6 | 110983.4 | 183122.7 | S |
| 45.350 | 0.0000 | 0.0000 | 84.926 | 0.17887 | 0.00000 | 319537.6 | 110988.8 | 183122.1 | S |
| 45.358 | 0.0000 | 0.0000 | 84.926 | 0.17881 | 0.00000 | 319537.6 | 110994.1 | 183122.1 | S |
| 45.367 | 0.0000 | 0.0000 | 84.925 | 0.17876 | 0.00000 | 319537.6 | 110999.5 | 183122.1 | S |
| 45.375 | 0.0000 | 0.0000 | 84.925 | 0.17871 | 0.00000 | 319537.6 | 111004.9 | 183122.1 | S |
| 45.383 | 0.0000 | 0.0000 | 84.924 | 0.17866 | 0.00000 | 319537.6 | 111010.2 | $183\{22.1$ | S |
| 45.392 | 0.0000 | 0.0000 | 84.924 | 0.17860 | 0.00000 | 319537.6 | 111015.6 | 183122.1 | S |
| 45.400 | 0.0000 | 0.0000 | 84.924 | 0.17855 | 0.00000 | 319537.6 | 111020.9 | 183122.1 | S |
| 45.408 | 0.0000 | 0.0000 | 84.923 | 0.17850 | 0.00000 | 319537.6 | 111026.3 | 183122.1 | S |
| 45.417 | 0.0000 | 0.0000 | 84.923 | 0.17845 | 0.00000 | 319537.6 | 111031.6 | 183122.1 | S |
| 45.425 | 0.0000 | 0.0000 | 84.922 | 0.17839 | 0.00000 | 319537.6 | 111037.0 | 183122.1 | S |
| 45.433 | 0.0000 | 0.0000 | 84.922 | 0.17834 | 0.00000 | 319537.6 | 111042.3 | 183122.1 | S |
| 45.442 | 0.0000 | 0.0000 | 84.921 | 0.17829 | 0.00000 | 319537.6 | 111047.7 | 183122.1 | S |
| 45.450 | 0.0000 | 0.0000 | 84.921 | 0.17824 | 0.00000 | 319537.6 | 111053.0 | 183122.1 | S |
| 45.458 | 0.0000 | 0.0000 | 84.921 | 0.17818 | 0.00000 | 319537.6 | 111058.4 | 183122.1 | S |
| 45.467 | 0.0000 | 0.0000 | 84.920 | 0.17813 | 0.00000 | 319537.6 | 111063.7 | 183122.1 | S |
| 45.475 | 0.0000 | 0.0000 | 84.920 | 0.17808 | 0.00000 | 319537.6 | 111069.1 | 183122.1 | S |
| 45.483 | 0.0000 | 0.0000 | 84.919 | 0.17803 | 0.00000 | 319537.6 | 111074.4 | 183122.1 | S |
| 45.492 | 0.0000 | 0.0000 | 84.919 | 0.17797 | 0.00000 | 319537.6 | 111079.8 | 183122.1 | S |
| 45.500 | 0.0000 | 0.0000 | 84.919 | 0.17792 | 0.00000 | 319537.6 | 111085.1 | 183122.1 | S |
| 45.508 | 0.0000 | 0.0000 | 84.918 | 0.17787 | 0.00000 | 319537.6 | 111090.4 | 183122.1 | S |
| 45.517 | 0.0000 | 0.0000 | 84.918 | 0.17782 | 0.00000 | 319537.6 | 111095.8 | 183122.1 | S |
| 45.525 | 0.0000 | 0.0000 | 84.917 | 0.17777 | 0.00000 | 319537.6 | 111101.1 | 183122.1 | S |
| 45.533 | 0.0000 | 0.0000 | 84.917 | 0.17771 | 0.00000 | 319537.6 | 111106.4 | 183122.1 | S |
| 45.542 | 0.0000 | 0.0000 | 84.917 | 0.17766 | 0.00000 | 319537.6 | 111111.8 | 183122.1 | S |
| 45.550 | 0.0000 | 0.0000 | 84.916 | 0.17761 | 0.00000 | 319537.6 | 111117.1 | 183122.1 | S |
| 45.558 | 0.0000 | 0.0000 | 84.916 | 0.17756 | 0.00000 | 319537.6 | 1111122.4 | 183122.1 | S |
| 45.567 | 0.0000 | 0.0000 | 84.915 | 0.17750 | 0.00000 | 319537.6 | \$111127.8 | 183122.1 | S |
| 45.575 | 0.0000 | 0.0000 | 84.915 | 0.17745 | 0.00000 | 319537.6 | 111133.1 | 183122.1 | S |
| 45.583 | 0.0000 | 0.0000 | 84.915 | 0.17740 | 0.00000 | 319537.6 | 111138.4 | 183122.1 | S |
| 45.592 | 0.0000 | 0.0000 | 84.914 | 0.17735 | 0.00000 | 319537.6 | 111143.7 | 183122.1 | S |
| 45.600 | 0.0000 | 0.0000 | 84.914 | 0.17730 | 0.00000 | 319537.6 | 111149.0 | 183122.1 | S |
| 45.608 | 0.0000 | 0.0000 | 84.913 | 0.17724 | 0.00000 | 319537.6 | 111154.4 | 183122.1 | S |
| 45.617 | 0.0000 | 0.0000 | 84.913 | 0.17719 | 0.00000 | 319537.6 | 111159.7 | 183122.1 | S |
| 45.625 | 0.0000 | 0.0000 | 84,913 | 0.17714 | 0.00000 | 319537.6 | 111165.0 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{H}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $f f^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative <br> Discharge <br> Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 45.633 | 0.0000 | 0.0000 | 84.912 | 0.17709 | 0.00000 | 319537.6 | 111170.3 | 183122.1 | S |
| 45.642 | 0.0000 | 0.0000 | 84.912 | 0.17704 | 0.00000 | 319537.6 | 111175.6 | 183122.1 | S |
| 45.650 | 0.0000 | 0.0000 | 84.911 | 0.17698 | 0.00000 | 319537.6 | 111180.9 | 183122.1 | S |
| 45.658 | 0.0000 | 0.0000 | 84.911 | 0.17693 | 0.00000 | 319537.6 | 111186.2 | 183122.1 | S |
| 45.667 | 0.0000 | 0.0000 | 84.910 | 0.17688 | 0.00000 | 319537.6 | 111191.5 | 183122.1 | S |
| 45.675 | 0.0000 | 0.0000 | 84.910 | 0.17683 | 0.00000 | 319537.6 | 111196.8 | 183122.1 | S |
| 45.683 | 0.0000 | 0.0000 | 84.910 | 0.17678 | 0.00000 | 319537.6 | 111202.1 | 183122.1 | S |
| 45.692 | 0.0000 | 0.0000 | 84.909 | 0.17673 | 0.00000 | 319537.6 | 111207.5 | 183122.1 | S |
| 45.700 | 0.0000 | 0.0000 | 84.909 | 0.17667 | 0.00000 | 319537.6 | 111212.8 | 183122.1 | S |
| 45.708 | 0.0000 | 0.0000 | 84.908 | 0.17662 | 0.00000 | 319537.6 | 111218.0 | 183122.1 | S |
| 45.717 | 0.0000 | 0.0000 | 84.908 | 0.17657 | 0.00000 | 319537.6 | 111223.4 | 183122.1 | S |
| 45.725 | 0.0000 | 0.0000 | 84.908 | 0.17652 | 0.00000 | 319537.6 | 111228.6 | 183122.1 | S |
| 45.733 | 0.0000 | 0.0000 | 84.907 | 0.17647 | 0.00000 | 319537.6 | 111233.9 | 183122.1 | S |
| 45.742 | 0.0000 | 0.0000 | 84.907 | 0.17642 | 0.00000 | 319537.6 | 111239.2 | 183122.1 | S |
| 45.750 | 0.0000 | 0.0000 | 84.906 | 0.17636 | 0.00000 | 319537.6 | 111244.5 | 183122.1 | S |
| 45.758 | 0.0000 | 0.0000 | 84.906 | 0.17631 | 0.00000 | 319537.6 | 111249.8 | 183122.1 | S |
| 45.767 | 0.0000 | 0.0000 | 84.906 | 0.17626 | 0.00000 | 319537.6 | 111255.1 | 183122.1 | S |
| 45.775 | 0.0000 | 0.0000 | 84.905 | 0.17621 | 0.00000 | 319537.6 | 111260.4 | 183122.1 | S |
| 45.783 | 0.0000 | 0.0000 | 84.905 | 0.17616 | 0.00000 | 319537.6 | 111265.7 | 183122.1 | S |
| 45.792 | 0.0000 | 0.0000 | 84.904 | 0.17611 | 0.00000 | 319537.6 | 111271.0 | 183122.1 | S |
| 45.800 | 0.0000 | 0.0000 | 84.904 | 0.17605 | 0.00000 | 319537.6 | 111276.2 | 183122.1 | S |
| 45.808 | 0.0000 | 0.0000 | 84.904 | 0.17600 | 0.00000 | 319537.6 | 111281.5 | 183122.1 | S |
| 45.817 | 0.0000 | 0.0000 | 84.903 | 0.17595 | 0.00000 | 319537.6 | 111286.8 | 183122.1 | S |
| 45.825 | 0.0000 | 0.0000 | 84.903 | 0.17590 | 0.00000 | 319537.6 | 111292.1 | 183122.1 | S |
| 45.833 | 0.0000 | 0.0000 | 84.902 | 0.17585 | 0.00000 | 319537.6 | 111297.4 | 183122.1 | S |
| 45.842 | 0.0000 | 0.0000 | 84.902 | 0.17580 | 0.00000 | 319537.6 | 111302.6 | 183122.1 | S |
| 45.850 | 0.0000 | 0.0000 | 84.902 | 0.17575 | 0.00000 | 319537.6 | 111307.9 | 183122.1 | S |
| 45.858 | 0.0000 | 0.0000 | 84.901 | 0.17569 | 0.00000 | 319537.6 | 111313.2 | 183122.1 | S |
| 45.867 | 0.0000 | 0.0000 | 84.901 | 0.17564 | 0.00000 | 319537.6 | 111318.4 | 183122.1 | S |
| 45.875 | 0.0000 | 0.0000 | 84.900 | 0.17559 | 0.00000 | 319537.6 | 111323.7 | 183122.1 | S |
| 45.883 | 0.0000 | 0.0000 | 84.900 | 0.17554 | 0.00000 | 319537.6 | 111329.0 | 183122.1 | S |
| 45.892 | 0.0000 | 0.0000 | 84.900 | 0.17549 | 0.00000 | 319537.6 | 111334.3 | 183122.1 | S |
| 45.900 | 0.0000 | 0.0000 | 84.899 | 0.17544 | 0.00000 | 319537.6 | 111339.5 | 183122.1 | S |
| 45.908 | 0.0000 | 0.0000 | 84.899 | 0.17539 | 0.00000 | 319537.6 | 111344.8 | 183122.1 | S |
| 45.917 | 0.0000 | 0.0000 | 84.898 | 0.17534 | 0.00000 | 319537.6 | 111350.0 | 183122.1 | S |
| 45.925 | 0.0000 | 0.0000 | 84.898 | 0.17528 | 0.00000 | 319537.6 | 111355.3 | 183122.1 | S |
| 45.933 | 0.0000 | 0.0000 | 84.897 | 0.17523 | 0.00000 | 319537.6 | 111360.5 | 183122.1 | S |
| 45.942 | 0.0000 | 0.0000 | 84.897 | 0.17518 | 0.00000 | 319537.6 | 111365.8 | 183122.1 | S |
| 45.950 | 0.0000 | 0.0000 | 84.897 | 0.17513 | 0.00000 | 319537.6 | 111371.1 | 183122.1 | S |
| 45.958 | 0.0000 | 0.0000 | 84.896 | 0.17508 | 0.00000 | 319537.6 | 111376.3 | 183122.1 | S |
| 45.967 | 0.0000 | 0.0000 | 84.896 | 0.17503 | 0.00000 | 319537.6 | 111381.6 | 183122.1 | S |
| 45.975 | 0.0000 | 0.0000 | 84.895 | 0.17498 | 0.00000 | 319537.6 | 111386.8 | 183122.1 | S |
| 45.983 | 0.0000 | 0.0000 | 84.895 | 0.17493 | 0.00000 | 319537.6 | 111392.1 | 183122.4 | S |
| 45.992 | 0.0000 | 0.0000 | 84.895 | 0.17488 | 0.00000 | 319537.6 | 111397.3 | 183122.1 | S |
| 46.000 | 0.0000 | 0.0000 | 84.894 | 0.17482 | 0.00000 | 319537.6 | 111402.6 | 183122.1 | S |
| 46.008 | 0.0000 | 0.0000 | 84.894 | 0.17477 | 0.00000 | 319537.6 | 111407.8 | 183122.1 | S |
| 46.017 | 0.0000 | 0.0000 | 84.893 | 0.17472 | 0.00000 | 319537.6 | 111413.0 | 183122.1 | S |
| 46.025 | 0.0000 | 0.0000 | 84.893 | 0.17467 | 0.00000 | 319537.6 | 111418.3 | 183122.1 | S |
| 46.033 | 0.0000 | 0.0000 | 84.893 | 0.17462 | 0.00000 | 319537.6 | 111423.5 | 183122.1 | S |
| 46.042 | 0.0000 | 0.0000 | 84.892 | 0.17457 | 0.00000 | 319537.6 | 111428.8 | 183122.1 | S |
| 46.050 | 0.0000 | 0.0000 | 84.892 | 0.17452 | 0.00000 | 319537.6 | 111434.0 | 183122.1 | S |
| 46.058 | 0.0000 | 0.0000 | 84.891 | 0.17447 | 0.00000 | 319537.6 | 111439.2 | 183122.1 | S |
| 46.067 | 0.0000 | 0.0000 | 84.891 | 0.17442 | 0.00000 | 319537.6 | 111444.5 | 183122.1 | S |
| 46.075 | 0.0000 | 0.0000 | 84.891 | 0.17437 | 0.00000 | 319537.6 | 111449.7 | 183122.1 | S |
| 46.083 | 0.0000 | 0.0000 | 84.890 | 0.17432 | 0.00000 | 319537.6 | 111454.9 | 183122.1 | S |
| 46.092 | 0.0000 | 0.0000 | 84.890 | 0.17427 | 0.00000 | 319537.6 | 111460.2 | 183122.1 | S |
| 46.100 | 0.0000 | 0.0000 | 84.889 | 0.17422 | 0.00000 | 319537.6 | 111465.4 | 183122.1 | S |
| 46.108 | 0.0000 | 0.0000 | 84.889 | 0.17416 | 0.00000 | 319537.6 | 111470.6 | 183122.1 | S |
| 46.117 | 0.0000 | 0.0000 | 84.889 | 0.17411 | 0.00000 | 319537.6 | 111475.8 | 183122.1 | S |
| 46.125 | 0.0000 | 0.0000 | 84.888 | 0.17406 | 0.00000 | 319537.6 | 111481.1 | 183122.1 | S |
| 46.133 | 0.0000 | 0.0000 | 84.888 | 0.17401 | 0.00000 | 319537.6 | 111486.3 | 183122.1 | S |
| 46.142 | 0.0000 | 0.0000 | 84.887 | 0.17396 | 0.00000 | 319537.6 | 111491.5 | 183122.1 | S |
| 46.150 | 0.0000 | 0.0000 | 84.887 | 0.17391 | 0.00000 | 319537.6 | 111496.7 | 183122.1 | S |
| 46.158 | 0.0000 | 0.0000 | 84.887 | 0.17386 | 0.00000 | 319537.6 | 111501.9 | 183122.1 | S |
| 46.167 | 0.0000 | 0.0000 | 84.886 | 0.17381 | 0.00000 | 319537.6 | 111507.1 | 183122.1 | S |
| 46.175 | 0.0000 | 0.0000 | 84.886 | 0.17376 | 0.00000 | 319537.6 | 111512.4 | 183122.1 | S |
| 46.183 | 0.0000 | 0.0000 | 84.885 | 0.17371 | 0.00000 | 319537.6 | 111517.6 | 183122.1 | S |
| 46.192 | 0.0000 | 0.0000 | 84.885 | 0.17366 | 0.00000 | 319537.6 | 111522.8 | 183122.1 | S |
| 46.200 | 0.0000 | 0.0000 | 84.885 | 0.17361 | 0.00000 | 319537.6 | 111528.0 | 183122.1 | S |
| 46.208 | 0.0000 | 0.0000 | 84.884 | 0.17356 | 0.00000 | 319537.6 | 111533.2 | 183122.1 | S |
| 46.217 | 0.0000 | 0.0000 | 84.884 | 0.17351 | 0.00000 | 319537.6 | 111538.4 | 183122.1 | S |
| 46.225 | 0.0000 | 0.0000 | 84.883 | 0.17346 | 0.00000 | 319537.6 | 111543.6 | 483122.1 | S |
| 46.233 | 0.0000 | 0.0000 | 84.883 | 0.17341 | 0.00000 | 319537.6 | 111548.8 | 183122.1 | S |
| 46.242 | 0.0000 | 0.0000 | 84.883 | 0.17336 | 0.00000 | 319537.6 | 111554.0 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate (ft3/s) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative inflow <br> Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 46.250 | 0.0000 | 0.0000 | 84.882 | 0.17331 | 0.00000 | 319537.6 | 111559.2 | 183122.1 | S |
| 46.258 | 0.0000 | 0.0000 | 84.882 | 0.17326 | 0.00000 | 319537.6 | 111564.4 | 183122.1 | S |
| 46.267 | 0.0000 | 0.0000 | 84.881 | 0.17321 | 0.00000 | 319537.6 | 111569.6 | 183122.1 | S |
| 46.275 | 0.0000 | 0.0000 | 84.881 | 0.17316 | 0.00000 | 319537.6 | 111574.8 | 183122.1 | S |
| 46.283 | 0.0000 | 0.0000 | 84.881 | 0.17311 | 0.00000 | 319537.6 | 111580.0 | 183122.1 | S |
| 46.292 | 0.0000 | 0.0000 | 84.880 | 0.17306 | 0.00000 | 319537.6 | 111585.2 | 183122.1 | S |
| 46.300 | 0.0000 | 0.0000 | 84.880 | 0.17301 | 0.00000 | 319537.6 | 111590.4 | 183122.1 | S |
| 46.308 | 0.0000 | 0.0000 | 84.879 | 0.17296 | 0.00000 | 319537.6 | 111595.6 | \$83122.1 | S |
| 46.317 | 0.0000 | 0.0000 | 84.879 | 0.17290 | 0.00000 | 319537.6 | 111600.8 | 183122.1 | S |
| 46.325 | 0.0000 | 0.0000 | 84.879 | 0.17285 | 0.00000 | 319537.6 | 111605.9 | 183122.1 | S |
| 46.333 | 0.0000 | 0.0000 | 84.878 | 0.17280 | 0.00000 | 319537.6 | 111611.1 | 183122.1 | S |
| 46.342 | 0.0000 | 0.0000 | 84.878 | 0.17275 | 0.00000 | 319537.6 | 111616.3 | 183122.1 | S |
| 46.350 | 0.0000 | 0.0000 | 84.877 | 0.17270 | 0.00000 | 319537.6 | \$11621.5 | 183122.1 | S |
| 46.358 | 0.0000 | 0.0000 | 84.877 | 0.17265 | 0.00000 | 319537.6 | 111626.7 | 183122.1 | S |
| 46.367 | 0.0000 | 0.0000 | 84.877 | 0.17260 | 0.00000 | 319537.6 | 111631.9 | 183122.1 | S |
| 46.375 | 0.0000 | 0.0000 | 84.876 | 0.17255 | 0.00000 | 319537.6 | 111637.0 | 183122.1 | S |
| 46.383 | 0.0000 | 0.0000 | 84.876 | 0.17250 | 0.00000 | 319537.6 | \$11642.2 | 183122.1 | S |
| 46.392 | 0.0000 | 0.0000 | 84.875 | 0.17245 | 0.00000 | 319537.6 | 111647.4 | 183122.1 | S |
| 46.400 | 0.0000 | 0.0000 | 84.875 | 0.17240 | 0.00000 | 319537.6 | 111652.6 | 183122.1 | S |
| 46.408 | 0.0000 | 0.0000 | 84.875 | 0.17236 | 0.00000 | 319537.6 | 111657.7 | 183122.1 | S |
| 46.417 | 0.0000 | 0.0000 | 84.874 | 0.17231 | 0.00000 | 319537.6 | 111662.9 | 183122.1 | S |
| 46.425 | 0.0000 | 0.0000 | 84.874 | 0.17226 | 0.00000 | 319537.6 | 111668.1 | 183122.1 | S |
| 46.433 | 0.0000 | 0.0000 | 84.873 | 0.17221 | 0.00000 | 319537.6 | 111673.2 | 183122.1 | S |
| 46.442 | 0.0000 | 0.0000 | 84.873 | 0.17216 | 0.00000 | 319537.6 | 111678.4 | 183122.1 | S |
| 46.450 | 0.0000 | 0.0000 | 84.873 | 0.17211 | 0.00000 | 319537.6 | 111683.6 | 183122.1 | S |
| 46.458 | 0.0000 | 0.0000 | 84.872 | 0.17206 | 0.00000 | 319537.6 | 111688.7 | 183122.1 | S |
| 46.467 | 0.0000 | 0.0000 | 84.872 | 0.17201 | 0.00000 | 319537.6 | 111693.9 | 183122.1 | S |
| 46.475 | 0.0000 | 0.0000 | 84.871 | 0.17196 | 0.00000 | 319537.6 | 111699.0 | 183122.1 | S |
| 46.483 | 0.0000 | 0.0000 | 84.871 | 0.17191 | 0.00000 | 319537.6 | 111704.2 | 183122.1 | S |
| 46.492 | 0.0000 | 0.0000 | 84.871 | 0.17186 | 0.00000 | 319537.6 | 111709.4 | 183122.1 | S |
| 46.500 | 0.0000 | 0.0000 | 84.870 | 0.17181 | 0.00000 | 319537.6 | 111714.5 | 183122.1 | S |
| 46.508 | 0.0000 | 0.0000 | 84.870 | 0.17176 | 0.00000 | 319537.6 | 111719.7 | 183122.1 | S |
| 46.517 | 0.0000 | 0.0000 | 84.869 | 0.17171 | 0.00000 | 319537.6 | 111724.8 | 183122.1 | S |
| 46.525 | 0.0000 | 0.0000 | 84.869 | 0.17166 | 0.00000 | 319537.6 | 111730.0 | 183122.1 | S |
| 46.533 | 0.0000 | 0.0000 | 84.869 | 0.17161 | 0.00000 | 319537.6 | 111735.1 | 183122.1 | S |
| 46.542 | 0.0000 | 0.0000 | 84.868 | 0.17156 | 0.00000 | 319537.6 | 111740.3 | 183122.1 | S |
| 46.550 | 0.0000 | 0.0000 | 84.868 | 0.17151 | 0.00000 | 319537.6 | 111745.4 | 183122.1 | S |
| 46.558 | 0.0000 | 0.0000 | 84.867 | 0.17146 | 0.00000 | 319537.6 | 111750.6 | 183122.1 | S |
| 46.567 | 0.0000 | 0.0000 | 84.867 | 0.17141 | 0.00000 | 319537.6 | 111755.7 | 183122.1 | S |
| 46.575 | 0.0000 | 0.0000 | 84.867 | 0.17136 | 0.00000 | 319537.6 | 111760.8 | 183122.1 | S |
| 46.583 | 0.0000 | 0.0000 | 84.866 | 0.17131 | 0.00000 | 319537.6 | 111766.0 | 183122.1 | S |
| 46.592 | 0.0000 | 0.0000 | 84.866 | 0.17126 | 0.00000 | 319537.6 | 111771.1 | 183122.1 | S |
| 46.600 | 0.0000 | 0.0000 | 84.865 | 0.17121 | 0.00000 | 319537.6 | 111776.3 | 183122.1 | S |
| 46.608 | 0.0000 | 0.0000 | 84.865 | 0.17116 | 0.00000 | 319537.6 | 111781.4 | 183122.1 | S |
| 46.617 | 0.0000 | 0.0000 | 84.865 | 0.17111 | 0.00000 | 319537.6 | 111786.5 | 183122.1 | S |
| 46.625 | 0.0000 | 0.0000 | 84.864 | 0.17107 | 0.00000 | 319537.6 | 111791.7 | 183122.1 | S |
| 46.633 | 0.0000 | 0.0000 | 84.864 | 0.17102 | 0.00000 | 319537.6 | 111796.8 | 183122.1 | S |
| 46.642 | 0.0000 | 0.0000 | 84.863 | 0.17097 | 0.00000 | 319537.6 | 111801.9 | 183122.1 | S |
| 46.650 | 0.0000 | 0.0000 | 84.863 | 0.17092 | 0.00000 | 319537.6 | 111807.0 | \$83122.1 | S |
| 46.658 | 0.0000 | 0.0000 | 84.863 | 0.17087 | 0.00000 | 319537.6 | 111812.2 | 183122.1 | S |
| 46.667 | 0.0000 | 0.0000 | 84.862 | 0.17082 | 0.00000 | 319537.6 | 111817.3 | 183122.1 | S |
| 46.675 | 0.0000 | 0.0000 | 84.862 | 0.17077 | 0.00000 | 319537.6 | 111822.4 | 183122.1 | S |
| 46.683 | 0.0000 | 0.0000 | 84.861 | 0.17072 | 0.00000 | 319537.6 | 111827.5 | 183122.1 | S |
| 46.692 | 0.0000 | 0.0000 | 84.861 | 0.17067 | 0.00000 | 319537.6 | 111832.7 | 183122.1 | S |
| 46.700 | 0.0000 | 0.0000 | 84.861 | 0.17062 | 0.00000 | 319537.6 | 111837.8 | 183122.1 | S |
| 46.708 | 0.0000 | 0.0000 | 84.860 | 0.17057 | 0.00000 | 319537.6 | 111842.9 | 183122.1 | S |
| 46.717 | 0.0000 | 0.0000 | 84.860 | 0.17052 | 0.00000 | 319537.6 | 111848.0 | 183122.1 | S |
| 46.725 | 0.0000 | 0.0000 | 84.859 | 0.17048 | 0.00000 | 319537.6 | 111853.1 | 183122.1 | S |
| 46.733 | 0.0000 | 0.0000 | 84.859 | 0.17043 | 0.00000 | 319537.6 | 111858.3 | 183122.1 | S |
| 46.742 | 0.0000 | 0.0000 | 84.859 | 0.17038 | 0.00000 | 319537.6 | 111863.4 | 183122.1 | S |
| 46.750 | 0.0000 | 0.0000 | 84.858 | 0.17033 | 0.00000 | 319537.6 | 111868.5 | 183122.1 | S |
| 46.758 | 0.0000 | 0.0000 | 84.858 | 0.17028 | 0.00000 | 319537.6 | 111873.6 | 183122.1 | S |
| 46.767 | 0.0000 | 0.0000 | 84.857 | 0.17023 | 0.00000 | 319537.6 | 111878.7 | 183122.1 | S |
| 46.775 | 0.0000 | 0.0000 | 84.857 | 0.17018 | 0.00000 | 319537.6 | 111883.8 | 183122.1 | S |
| 46.783 | 0.0000 | 0.0000 | 84.857 | 0.17013 | 0.00000 | 319537.6 | 111888.9 | 183122.1 | S |
| 46.792 | 0.0000 | 0.0000 | 84.856 | 0.17008 | 0.00000 | 319537.6 | 111894.0 | 183122.1 | S |
| 46.800 | 0.0000 | 0.0000 | 84.856 | 0.17003 | 0.00000 | 319537.6 | 111899.1 | 183122.1 | S |
| 46.808 | 0.0000 | 0.0000 | 84.855 | 0.16999 | 0.00000 | 319537.6 | 111904.2 | 183122.1 | S |
| 46.817 | 0.0000 | 0.0000 | 84.855 | 0.16994 | 0.00000 | 319537.6 | 111909.3 | 183122.1 | S |
| 46.825 | 0.0000 | 0.0000 | 84.855 | 0.16989 | 0.00000 | 319537.6 | 111914.4 | 183122.1 | S |
| 46.833 | 0.0000 | 0.0000 | 84.854 | 0.16984 | 0.00000 | 319537.6 | 111919.5 | 183122.1 | S |
| 46.842 | 0.0000 | 0.0000 | 84.854 | 0.16979 | 0.00000 | 319537.6 | 111924.6 | 183122.1 | S |
| 46.850 | 0.0000 | 0.0000 | 84.853 | 0.16974 | 0.00000 | 319537.6 | 111929.7 | 183122.1 | S |
| 46.858 | 0.0000 | 0.0000 | 84.853 | 0.16969 | 0.00000 | 319537.6 | 111934.8 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge ( $f$ /day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overllow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{h}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 46.867 | 0.0000 | 0.0000 | 84.853 | 0.16964 | 0.00000 | 319537.6 | 111939.9 | 183122.1 | S |
| 46.875 | 0.0000 | 0.0000 | 84.852 | 0.16960 | 0.00000 | 319537.6 | 111945.0 | 183122.1 | S |
| 46.883 | 0.0000 | 0.0000 | 84.852 | 0.16955 | 0.00000 | 319537.6 | 111950.0 | 183122.1 | S |
| 46.892 | 0.0000 | 0.0000 | 84.851 | 0.16950 | 0.00000 | 319537.6 | 111955.1 | 183122.1 | S |
| 46.900 | 0.0000 | 0.0000 | 84.851 | 0.16945 | 0.00000 | 319537.6 | 111960.2 | 183122.1 | S |
| 46.908 | 0.0000 | 0.0000 | 84.851 | 0.16940 | 0.00000 | 319537.6 | 111965.3 | 183122.1 | S |
| 46.917 | 0.0000 | 0.0000 | 84.850 | 0.16935 | 0.00000 | 319537.6 | 111970.4 | 183122.1 | S |
| 46.925 | 0.0000 | 0.0000 | 84.850 | 0.16930 | 0.00000 | 319537.6 | 111975.5 | 183122.1 | S |
| 46.933 | 0.0000 | 0.0000 | 84.849 | 0.16926 | 0.00000 | 319537.6 | 111980.5 | 183122.1 | S |
| 46.942 | 0.0000 | 0.0000 | 84.849 | 0.16921 | 0.00000 | 319537.6 | 111985.6 | 183122.1 | S |
| 46.950 | 0.0000 | 0.0000 | 84.849 | 0.16916 | 0.00000 | 319537.6 | 111990.7 | 183122.1 | S |
| 46.958 | 0.0000 | 0.0000 | 84.848 | 0.16911 | 0.00000 | 319537.6 | 111995.8 | 183122.1 | S |
| 46.967 | 0.0000 | 0.0000 | 84.848 | 0.16906 | 0.00000 | 319537.6 | 112000.8 | 183122.1 | S |
| 46.975 | 0.0000 | 0.0000 | 84.847 | 0.16901 | 0.00000 | 319537.6 | 112005.9 | 183122.1 | S |
| 46.983 | 0.0000 | 0.0000 | 84.847 | 0.16896 | 0.00000 | 319537.6 | 112017.0 | 183122.1 | S |
| 46.992 | 0.0000 | 0.0000 | 84.847 | 0.16892 | 0.00000 | 319537.6 | 112016.0 | 183122.1 | S |
| 47.000 | 0.0000 | 0.0000 | 84.846 | 0.16887 | 0.00000 | 319537.6 | 112021.1 | 183122.1 | S |
| 47.008 | 0.0000 | 0.0000 | 84.846 | 0.16882 | 0.00000 | 319537.6 | 112026.2 | 183122.1 | S |
| 47.017 | 0.0000 | 0.0000 | 84.845 | 0.16877 | 0.00000 | 319537.6 | 112031.2 | 183122.1 | S |
| 47.025 | 0.0000 | 0.0000 | 84.845 | 0.16872 | 0.00000 | 319537.6 | 112036.3 | 183122.1 | S |
| 47.033 | 0.0000 | 0.0000 | 84.845 | 0.16867 | 0.00000 | 319537.6 | 112041.4 | 183122.1 | S |
| 47.042 | 0.0000 | 0.0000 | 84.844 | 0.16863 | 0.00000 | 319537.6 | 112046.4 | 183122.1 | S |
| 47.050 | 0.0000 | 0.0000 | 84.844 | 0.16858 | 0.00000 | 319537.6 | 112051.5 | 183122.1 | S |
| 47.058 | 0.0000 | 0.0000 | 84.843 | 0.16853 | 0.00000 | 319537.6 | 112056.5 | 183122.1 | S |
| 47.067 | 0.0000 | 0.0000 | 84.843 | 0.16848 | 0.00000 | 319537.6 | 112061.6 | 183122.1 | S |
| 47.075 | 0.0000 | 0.0000 | 84.843 | 0.16843 | 0.00000 | 319537.6 | 112066.6 | 183122.1 | S |
| 47.083 | 0.0000 | 0.0000 | 84.842 | 0.16839 | 0.00000 | 319537.6 | 112071.7 | 183122.1 | S |
| 47.092 | 0.0000 | 0.0000 | 84.842 | 0.16834 | 0.00000 | 319537.6 | 112076.8 | 183122.1 | S |
| 47.100 | 0.0000 | 0.0000 | 84.842 | 0.16829 | 0.00000 | 319537.6 | 112081.8 | 183122.1 | S |
| 47.108 | 0.0000 | 0.0000 | 84.841 | 0.16824 | 0.00000 | 319537.6 | 112086.9 | 183122.1 | S |
| 47.117 | 0.0000 | 0.0000 | 84.841 | 0.16819 | 0.00000 | 319537.6 | 112091.9 | 183122.1 | S |
| 47.125 | 0.0000 | 0.0000 | 84.840 | 0.16814 | 0.00000 | 319537.6 | 112096.9 | 183122.1 | S |
| 47.133 | 0.0000 | 0.0000 | 84.840 | 0.16810 | 0.00000 | 319537.6 | 112102.0 | 183122.1 | S |
| 47.142 | 0.0000 | 0.0000 | 84.840 | 0.16805 | 0.00000 | 319537.6 | 112107.0 | 183122.1 | S |
| 47.150 | 0.0000 | 0.0000 | 84.839 | 0.16800 | 0.00000 | 319537.6 | 112112.1 | 183122.1 | S |
| 47.158 | 0.0000 | 0.0000 | 84.839 | 0.16795 | 0.00000 | 319537.6 | 112117.1 | 183122.1 | S |
| 47.167 | 0.0000 | 0.0000 | 84.838 | 0.16790 | 0.00000 | 319537.6 | 112122.1 | 183122.1 | S |
| 47.175 | 0.0000 | 0.0000 | 84.838 | 0.16786 | 0.00000 | 319537.6 | 112127.2 | 183122.1 | S |
| 47.183 | 0.0000 | 0.0000 | 84.838 | 0.16781 | 0.00000 | 319537.6 | 112132.2 | 183122.1 | S |
| 47.192 | 0.0000 | 0.0000 | 84.837 | 0.16776 | 0.00000 | 319537.6 | 112137.3 | 183122.1 | S |
| 47.200 | 0.0000 | 0.0000 | 84.837 | 0.16771 | 0.00000 | 319537.6 | 112142.3 | 183122.1 | S |
| 47.208 | 0.0000 | 0.0000 | 84.836 | 0.16767 | 0.00000 | 319537.6 | 112147.3 | 183122.1 | S |
| 47.217 | 0.0000 | 0.0000 | 84.836 | 0.16762 | 0.00000 | 319537.6 | 112152.3 | 183122.1 | S |
| 47.225 | 0.0000 | 0.0000 | 84.836 | 0.16757 | 0.00000 | 319537.6 | 112157.4 | 183122.1 | S |
| 47.233 | 0.0000 | 0.0000 | 84.835 | 0.16752 | 0.00000 | 319537.6 | 112162.4 | 183122.1 | S |
| 47.242 | 0.0000 | 0.0000 | 84.835 | 0.16747 | 0.00000 | 319537.6 | 112167.4 | 183122.1 | S |
| 47.250 | 0.0000 | 0.0000 | 84.834 | 0.16743 | 0.00000 | 319537.6 | 112172.4 | 183122.1 | S |
| 47.258 | 0.0000 | 0.0000 | 84.834 | 0.16738 | 0.00000 | 319537.6 | 112177.5 | 183122.1 | S |
| 47.267 | 0.0000 | 0.0000 | 84.834 | 0.16733 | 0.00000 | 319537.6 | 112182.5 | $183\} 22.1$ | S |
| 47.275 | 0.0000 | 0.0000 | 84.833 | 0.16728 | 0.00000 | 319537.6 | 112187.5 | \{83122.1 | S |
| 47.283 | 0.0000 | 0.0000 | 84.833 | 0.16724 | 0.00000 | 319537.6 | 112192.5 | 183122.1 | S |
| 47.292 | 0.0000 | 0.0000 | 84.832 | 0.16719 | 0.00000 | 319537.6 | 112197.5 | 183122.1 | S |
| 47.300 | 0.0000 | 0.0000 | 84.832 | 0.16714 | 0.00000 | 319537.6 | 112202.6 | 183122.1 | S |
| 47.308 | 0.0000 | 0.0000 | 84.832 | 0.16709 | 0.00000 | 319537.6 | 112207.6 | 183122.1 | S |
| 47.317 | 0.0000 | 0,0000 | 84.831 | 0.16704 | 0.00000 | 319537.6 | 112212.6 | 183122.1 | S |
| 47.325 | 0.0000 | 0.0000 | 84.831 | 0.16700 | 0.00000 | 319537.6 | 112217.6 | 183122.1 | S |
| 47.333 | 0.0000 | 0.0000 | 84.830 | 0.16695 | 0.00000 | 319537.6 | 112222.6 | 183122.1 | S |
| 47.342 | 0.0000 | 0.0000 | 84.830 | 0.16690 | 0.00000 | 319537.6 | 112227.6 | 183122.1 | S |
| 47.350 | 0.0000 | 0.0000 | 84.830 | 0.16685 | 0.00000 | 319537.6 | 112232.6 | 183122.1 | S |
| 47.358 | 0.0000 | 0.0000 | 84.829 | 0.16681 | 0.00000 | 319537.6 | 112237.6 | 183122.1 | S |
| 47.367 | 0.0000 | 0.0000 | 84.829 | 0.16676 | 0.00000 | 319537.6 | 112242.6 | 183122.1 | S |
| 47.375 | 0.0000 | 0.0000 | 84.828 | 0.16671 | 0.00000 | 319537.6 | 112247.6 | 183122.1 | S |
| 47.383 | 0.0000 | 0.0000 | 84.828 | 0.16666 | 0.00000 | 319537.6 | 112252.6 | 183122.1 | S |
| 47.392 | 0.0000 | 0.0000 | 84.828 | 0.16662 | 0.00000 | 319537.6 | 112257.6 | 183122.1 | S |
| 47.400 | 0.0000 | 0.0000 | 84.827 | 0.16657 | 0.00000 | 319537.6 | 112262.6 | 183122.1 | S |
| 47.408 | 0.0000 | 0.0000 | 84.827 | 0.16652 | 0.00000 | 319537.6 | 112267.6 | 183122.1 | S |
| 47.417 | 0.0000 | 0.0000 | 84.827 | 0.16648 | 0.00000 | 319537.6 | 112272.6 | 183122.1 | S |
| 47.425 | 0.0000 | 0.0000 | 84.826 | 0.16643 | 0.00000 | 319537.6 | 112277.6 | 183122.1 | S |
| 47.433 | 0.0000 | 0.0000 | 84.826 | 0.16638 | 0.00000 | 319537.6 | 112282.6 | 183122.1 | S |
| 47.442 | 0.0000 | 0.0000 | 84.825 | 0.16633 | 0.00000 | 319537.6 | 112287.6 | 183122.1 | S |
| 47.450 | 0.0000 | 0.0000 | 84.825 | 0.16629 | 0.00000 | 319537.6 | 112292.6 | 183122.1 | S |
| 47.458 | 0.0000 | 0.0000 | 84.825 | 0.16624 | 0.00000 | 319537.6 | 112297.6 | 183122.1 | S |
| 47.467 | 0.0000 | 0.0000 | 84.824 | 0.16619 | 0.00000 | 319537.6 | 112302.6 | 183122.1 | S |
| 47.475 | 0.0000 | 0.0000 | 84.824 | 0.16614 | 0.00000 | 319537.6 | 112307.5 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.

Detailed Results (cont, d.)
:: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (fiday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{2} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{t}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 47.483 | 0.0000 | 0.0000 | 84.823 | 0.16610 | 0.00000 | 319537.6 | 112312.5 | 183122.1 | S |
| 47.492 | 0.0000 | 0.0000 | 84.823 | 0.16605 | 0.00000 | 319537.6 | 112317.5 | 183122.1 | S |
| 47.500 | 0.0000 | 0.0000 | 84.823 | 0.16600 | 0.00000 | 319537.6 | 112322.5 | 183122.1 | S |
| 47.508 | 0.0000 | 0.0000 | 84.822 | 0.16596 | 0.00000 | 319537.6 | 112327.5 | \{83122.1 | S |
| 47.517 | 0.0000 | 0.0000 | 84.822 | 0.16591 | 0.00000 | 319537.6 | 112332.4 | 183122.1 | S |
| 47.525 | 0.0000 | 0.0000 | 84.821 | 0.16586 | 0.00000 | 319537.6 | \$12337.4 | 183122.1 | S |
| 47.533 | 0.0000 | 0.0000 | 84.821 | 0.16581 | 0.00000 | 319537.6 | 112342.4 | 183122.1 | S |
| 47.542 | 0.0000 | 0.0000 | 84.821 | 0.16577 | 0.00000 | 319537.6 | 112347.4 | 183122.1 | S |
| 47.550 | 0.0000 | 0.0000 | 84.820 | 0.16572 | 0.00000 | 319537.6 | 112352.3 | 183122.1 | S |
| 47.558 | 0.0000 | 0.0000 | 84.820 | 0.16567 | 0.00000 | 319537.6 | 112357.3 | 183122.1 | S |
| 47.567 | 0.0000 | 0.0000 | 84.819 | 0.16563 | 0.00000 | 319537.6 | 112362.3 | 183122.1 | S |
| 47.575 | 0.0000 | 0.0000 | 84.819 | 0.16558 | 0.00000 | 319537.6 | 112367.3 | 183122.1 | S |
| 47.583 | 0.0000 | 0.0000 | 84.819 | 0.16553 | 0.00000 | 319537.6 | 112372.2 | 183122.1 | S |
| 47.592 | 0.0000 | 0.0000 | 84.818 | 0.16549 | 0.00000 | 319537.6 | 112377.2 | 183122.1 | S |
| 47.600 | 0.0000 | 0.0000 | 84.818 | 0.16544 | 0.00000 | 319537.6 | 112382.1 | 183122.1 | S |
| 47.608 | 0.0000 | 0.0000 | 84.818 | 0.16539 | 0.00000 | 319537.6 | 112387.1 | 183122.1 | S |
| 47.617 | 0.0000 | 0.0000 | 84.817 | 0.16534 | 0.00000 | 319537.6 | 112392.1 | 183122.1 | S |
| 47.625 | 0.0000 | 0.0000 | 84.817 | 0.16530 | 0.00000 | 319537.6 | 112397.0 | 183122.1 | S |
| 47.633 | 0.0000 | 0.0000 | 84.816 | 0.16525 | 0.00000 | 319537.6 | 112402.0 | 183122.1 | S |
| 47.642 | 0.0000 | 0.0000 | 84.816 | 0.16520 | 0.00000 | 319537.6 | 112406.9 | 183122.1 | S |
| 47.650 | 0.0000 | 0.0000 | 84.816 | 0.16516 | 0.00000 | 319537.6 | 112411.9 | 183122.1 | S |
| 47.658 | 0.0000 | 0.0000 | 84.815 | 0.16511 | 0.00000 | 319537.6 | 112416.9 | 183122.1 | S |
| 47.667 | 0.0000 | 0.0000 | 84.815 | 0.16506 | 0.00000 | 319537.6 | 112421.8 | 183122.1 | S |
| 47.675 | 0.0000 | 0.0000 | 84.814 | 0.16502 | 0.00000 | 319537.6 | 112426.8 | 183122.1 | S |
| 47.683 | 0.0000 | 0.0000 | 84.814 | 0.16497 | 0.00000 | 319537.6 | 112431.7 | 183122.1 | S |
| 47.692 | 0.0000 | 0.0000 | 84.814 | 0.16492 | 0.00000 | 319537.6 | 112436.7 | 183122.1 | S |
| 47.700 | 0.0000 | 0.0000 | 84.813 | 0.16488 | 0.00000 | 319537.6 | 112441.6 | 183122.1 | S |
| 47.708 | 0.0000 | 0.0000 | 84.813 | 0.16483 | 0.00000 | 319537.6 | 112446.5 | 183122.1 | S |
| 47.717 | 0.0000 | 0.0000 | 84.812 | 0.16478 | 0.00000 | 319537.6 | 112451.5 | 183122.1 | S |
| 47.725 | 0.0000 | 0.0000 | 84.812 | 0.16474 | 0.00000 | 319537.6 | 112456.4 | 183122.1 | S |
| 47.733 | 0.0000 | 0.0000 | 84.812 | 0.16469 | 0.00000 | 319537.6 | 112461.4 | 183122.1 | S |
| 47.742 | 0.0000 | 0.0000 | 84.811 | 0.16464 | 0.00000 | 319537.6 | 112466.3 | 183122.1 | S |
| 47.750 | 0.0000 | 0.0000 | 84.811 | 0.16460 | 0.00000 | 319537.6 | 112471.3 | 183122.1 | S |
| 47.758 | 0.0000 | 0.0000 | 84.810 | 0.16455 | 0.00000 | 319537.6 | 112476.2 | 183122.1 | S |
| 47.767 | 0.0000 | 0.0000 | 84.810 | 0.16450 | 0.00000 | 319537.6 | 112481.1 | 183122.1 | S |
| 47.775 | 0.0000 | 0.0000 | 84.810 | 0.16446 | 0.00000 | 319537.6 | \$12486.1 | 183122.1 | S |
| 47.783 | 0.0000 | 0.0000 | 84.809 | 0.16441 | 0.00000 | 319537.6 | 112491.0 | 183122.1 | S |
| 47.792 | 0.0000 | 0.0000 | 84.809 | 0.16436 | 0.00000 | 319537.6 | 112495.9 | 183122.1 | S |
| 47.800 | 0.0000 | 0.0000 | 84.809 | 0.16432 | 0.00000 | 319537.6 | 112500.9 | 183122.1 | S |
| 47.808 | 0.0000 | 0.0000 | 84.808 | 0.16427 | 0.00000 | 319537.6 | 112505.8 | 183122.1 | S |
| 47.817 | 0.0000 | 0.0000 | 84.808 | 0.16423 | 0.00000 | 319537.6 | 112510.7 | 183122.4 | S |
| 47.825 | 0.0000 | 0.0000 | 84.807 | 0.16418 | 0.00000 | 319537.6 | 112515.6 | 183122.1 | S |
| 47.833 | 0.0000 | 0.0000 | 84.807 | 0.16413 | 0.00000 | 319537.6 | 112520.6 | 183122.1 | S |
| 47.842 | 0.0000 | 0.0000 | 84.807 | 0.16409 | 0.00000 | 319537.6 | 112525.5 | 183122.1 | S |
| 47.850 | 0.0000 | 0.0000 | 84.806 | 0.16404 | 0.00000 | 319537.6 | 112530.4 | 183122.1 | S |
| 47.858 | 0.0000 | 0.0000 | 84.806 | 0.16399 | 0.00000 | 319537.6 | 112535.3 | 183122.1 | S |
| 47.867 | 0.0000 | 0.0000 | 84.805 | 0.16395 | 0.00000 | 319537.6 | 112540.3 | 183122.1 | S |
| 47.875 | 0.0000 | 0.0000 | 84.805 | 0.16390 | 0.00000 | 319537.6 | 112545.2 | 183122.1 | S |
| 47.883 | 0.0000 | 0.0000 | 84.805 | 0.16385 | 0.00000 | 319537.6 | 112550.1 | 183122.1 | S |
| 47.892 | 0.0000 | 0.0000 | 84.804 | 0.16381 | 0.00000 | 319537.6 | 112555.0 | 183122.1 | S |
| 47.900 | 0.0000 | 0.0000 | 84.804 | 0.16376 | 0.00000 | 319537.6 | 112559.9 | 183122.1 | S |
| 47.908 | 0.0000 | 0.0000 | 84.803 | 0.16372 | 0.00000 | 319537.6 | 112564.8 | 183122.1 | S |
| 47.917 | 0.0000 | 0.0000 | 84.803 | 0.16367 | 0.00000 | 319537.6 | 112569.7 | 183122.1 | S |
| 47.925 | 0.0000 | 0.0000 | 84.803 | 0.16362 | 0.00000 | 319537.6 | 112574.6 | 183122.1 | S |
| 47.933 | 0.0000 | 0.0000 | 84.802 | 0.16358 | 0.00000 | 319537.6 | 112579.5 | 183122.1 | S |
| 47.942 | 0.0000 | 0.0000 | 84.802 | 0.16353 | 0.00000 | 319537.6 | 112584.5 | \{83122.1 | S |
| 47.950 | 0.0000 | 0.0000 | 84.802 | 0.16349 | 0.00000 | 319537.6 | 112589.4 | 183122.1 | S |
| 47.958 | 0.0000 | 0.0000 | 84.801 | 0.16344 | 0.00000 | 319537.6 | 112594.3 | 183122.1 | S |
| 47.967 | 0.0000 | 0.0000 | 84.801 | 0.16339 | 0.00000 | 319537.6 | 112599.2 | 183122.1 | S |
| 47.975 | 0.0000 | 0.0000 | 84.800 | 0.16335 | 0.00000 | 319537.6 | 112604.1 | 183122.1 | S |
| 47.983 | 0.0000 | 0.0000 | 84.800 | 0.16330 | 0.00000 | 319537.6 | 112609.0 | 183122.1 | S |
| 47.992 | 0.0000 | 0.0000 | 84.800 | 0.16326 | 0.00000 | 319537.6 | 112613.9 | 183122.1 | S |
| 48.000 | 0.0000 | 0.0000 | 84.799 | 0.16321 | 0.00000 | 319537.6 | 112618.8 | 183122.1 | S |
| 48.008 | 0.0000 | 0.0000 | 84.799 | 0.16316 | 0.00000 | 319537.6 | 112623.7 | 183122.1 | S |
| 48.017 | 0.0000 | 0.0000 | 84.798 | 0.16312 | 0.00000 | 319537.6 | 112628.6 | 183122.1 | S |
| 48.025 | 0.0000 | 0.0000 | 84.798 | 0.16307 | 0.00000 | 319537.6 | 112633.4 | 183122.1 | S |
| 48.033 | 0.0000 | 0.0000 | 84.798 | 0.16303 | 0.00000 | 319537.6 | 112638.3 | 183122.1 | S |
| 48.042 | 0.0000 | 0.0000 | 84.797 | 0.16298 | 0.00000 | 319537.6 | 112643.2 | 183122.1 | S |
| 48.050 | 0.0000 | 0.0000 | 84.797 | 0.16293 | 0.00000 | 319537.6 | 112648.1 | 183122.1 | S |
| 48.058 | 0.0000 | 0.0000 | 84.796 | 0.16289 | 0.00000 | 319537.6 | 112653.0 | 183122.1 | S |
| 48.067 | 0.0000 | 0.0000 | 84.796 | 0.16284 | 0.00000 | 319537.6 | 112657.9 | 183122.1 | S |
| 48.075 | 0.0000 | 0.0000 | 84.796 | 0.16280 | 0.00000 | 319537.6 | 112662.8 | 183122.1 | S |
| 48.083 | 0.0000 | 0.0000 | 84.795 | 0.16275 | 0.00000 | 319537.6 | 112667.7 | 183122.1 | S |
| 48.092 | 0.0000 | 0.0000 | 84.795 | 0.16270 | 0.00000 | 319537.6 | 112672.5 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (fi/day) | Stage Elevation (ft datum) | Infiltration Rate (ft ${ }^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 48.100 | 0.0000 | 0.0000 | 84.795 | 0.16266 | 0.00000 | 319537.6 | 112677.4 | 183122.1 | S |
| 48.108 | 0.0000 | 0.0000 | 84.794 | 0.16261 | 0.00000 | 319537.6 | 112682.3 | 183122.1 | S |
| 48.117 | 0.0000 | 0.0000 | 84.794 | 0.16257 | 0.00000 | 319537.6 | 112687.2 | 183122.1 | S |
| 48.125 | 0.0000 | 0.0000 | 84.793 | 0.16252 | 0.00000 | 319537.6 | 112692.1 | 183122.1 | S |
| 48.133 | 0.0000 | 0.0000 | 84.793 | 0.16248 | 0.00000 | 319537.6 | 112696.9 | 183122.1 | S |
| 48.142 | 0.0000 | 0.0000 | 84.793 | 0.16243 | 0.00000 | 319537.6 | 112701.8 | 183122.1 | S |
| 48.150 | 0.0000 | 0.0000 | 84.792 | 0.16239 | 0.00000 | 319537.6 | 112706.7 | 183122.1 | S |
| 48.158 | 0.0000 | 0.0000 | 84.792 | 0.16234 | 0.00000 | 319537.6 | 112711.5 | 183122.1 | S |
| 48.167 | 0.0000 | 0.0000 | 84.791 | 0.16229 | 0.00000 | 319537.6 | 112716.4 | 183122.1 | S |
| 48.175 | 0.0000 | 0.0000 | 84.791 | 0.16225 | 0.00000 | 319537.6 | 112721.3 | 183122.1 | S |
| 48.183 | 0.0000 | 0.0000 | 84.791 | 0.16220 | 0.00000 | 319537.6 | 112728.1 | 183122.1 | S |
| 48.192 | 0.0000 | 0.0000 | 84.790 | 0.16216 | 0.00000 | 319537.6 | 112731.0 | 183122.1 | S |
| 48.200 | 0.0000 | 0.0000 | 84.790 | 0.16211 | 0.00000 | 319537.6 | 112735.9 | 183122.1 | S |
| 48.208 | 0.0000 | 0.0000 | 84.789 | 0.16207 | 0.00000 | 319537.6 | 112740.7 | 183122.1 | S |
| 48.217 | 0.0000 | 0.0000 | 84.789 | 0.16202 | 0.00000 | 319537.6 | 112745.6 | 183122.1 | S |
| 48.225 | 0.0000 | 0.0000 | 84.789 | 0.16198 | 0.00000 | 319537.6 | 112750.5 | 183122.1 | S |
| 48.233 | 0.0000 | 0.0000 | 84.788 | 0.16193 | 0.00000 | 319537.6 | \$12755.3 | 183122.1 | S |
| 48.242 | 0.0000 | 0.0000 | 84.788 | 0.16188 | 0.00000 | 319537.6 | 112760.2 | 183122.1 | S |
| 48.250 | 0.0000 | 0.0000 | 84.788 | 0.16184 | 0.00000 | 319537.6 | 112765.0 | 183122.1 | S |
| 48.258 | 0.0000 | 0.0000 | 84.787 | 0.16179 | 0.00000 | 319537.6 | 112769.9 | 183122.1 | S |
| 48.267 | 0.0000 | 0.0000 | 84.787 | 0.16175 | 0.00000 | 319537.6 | 112774.7 | 183122.1 | S |
| 48.275 | 0.0000 | 0.0000 | 84.786 | 0.16170 | 0.00000 | 319537.6 | 112779.6 | 183122.1 | S |
| 48.283 | 0.0000 | 0.0000 | 84.786 | 0.16166 | 0.00000 | 319537.6 | 112784.4 | 183122.1 | S |
| 48.292 | 0.0000 | 0.0000 | 84.786 | 0.16161 | 0.00000 | 319537.6 | 112789.3 | 183122.1 | S |
| 48.300 | 0.0000 | 0.0000 | 84.785 | 0.16157 | 0.00000 | 319537.6 | 112794.1 | 183122.1 | S |
| 48.308 | 0.0000 | 0.0000 | 84.785 | 0.16152 | 0.00000 | 319537.6 | 112799.0 | 183122.1 | S |
| 48.317 | 0.0000 | 0.0000 | 84.784 | 0.16148 | 0.00000 | 319537.6 | 112803.8 | 183122.1 | S |
| 48.325 | 0.0000 | 0.0000 | 84.784 | 0.16143 | 0.00000 | 319537.6 | 112808.7 | 183122.1 | S |
| 48.333 | 0.0000 | 0.0000 | 84.784 | 0.16139 | 0.00000 | 319537.6 | 112813.5 | 183122.1 | S |
| 48.342 | 0.0000 | 0.0000 | 84.783 | 0.16134 | 0.00000 | 319537.6 | 112818.4 | 183122.1 | S |
| 48.350 | 0.0000 | 0.0000 | 84.783 | 0.16130 | 0.00000 | 319537.6 | 112823.2 | 183122.1 | S |
| 48.358 | 0.0000 | 0.0000 | 84.783 | 0.16125 | 0.00000 | 319537.6 | 112828.0 | 183122.1 | S |
| 48.367 | 0.0000 | 0.0000 | 84.782 | 0.16121 | 0.00000 | 319537.6 | 112832.9 | 183122.1 | S |
| 48.375 | 0.0000 | 0.0000 | 84.782 | 0.16116 | 0.00000 | 319537.6 | 112837.7 | 183122.1 | S |
| 48.383 | 0.0000 | 0.0000 | 84.781 | 0.16112 | 0.00000 | 319537.6 | 112842.5 | 183122.1 | S |
| 48.392 | 0.0000 | 0.0000 | 84.781 | 0.16107 | 0.00000 | 319537.6 | 112847.4 | 183122.1 | S |
| 48.400 | 0.0000 | 0.0000 | 84.781 | 0.16102 | 0.00000 | 319537.6 | 112852.2 | 183122.1 | S |
| 48.408 | 0.0000 | 0.0000 | 84.780 | 0.16098 | 0.00000 | 319537.6 | 112857.0 | 183122.1 | S |
| 48.417 | 0.0000 | 0.0000 | 84.780 | 0.16093 | 0.00000 | 319537.6 | 112861.9 | 183122.1 | S |
| 48.425 | 0.0000 | 0.0000 | 84.779 | 0.16089 | 0.00000 | 319537.6 | 112866.7 | 183122.1 | S |
| 48.433 | 0.0000 | 0.0000 | 84.779 | 0.16084 | 0.00000 | 319537.6 | 112871.5 | 183122.1 | S |
| 48.442 | 0.0000 | 0.0000 | 84.779 | 0.16080 | 0.00000 | 319537.6 | 112876.3 | 183122.1 | S |
| 48.450 | 0.0000 | 0.0000 | 84.778 | 0.16075 | 0.00000 | 319537.6 | 112881.2 | 183122.1 | S |
| 48.458 | 0.0000 | 0.0000 | 84.778 | 0.16071 | 0.00000 | 319537.6 | 112886.0 | 183122.1 | S |
| 48.467 | 0.0000 | 0.0000 | 84.778 | 0.16066 | 0.00000 | 319537.6 | 112890.8 | 183122.1 | S |
| 48.475 | 0.0000 | 0.0000 | 84.777 | 0.16062 | 0.00000 | 319537.6 | 112895.6 | 183122.1 | S |
| 48.483 | 0.0000 | 0.0000 | 84.777 | 0.16058 | 0.00000 | 319537.6 | 112900.4 | 183122.1 | S |
| 48.492 | 0.0000 | 0.0000 | 84.776 | 0.16053 | 0.00000 | 319537.6 | 112905.3 | 183122.1 | S |
| 48.500 | 0.0000 | 0.0000 | 84.776 | 0.16049 | 0.00000 | 319537.6 | 112910.1 | 183122.1 | S |
| 48.508 | 0.0000 | 0.0000 | 84.776 | 0.16044 | 0.00000 | 319537.6 | 112914.9 | 183122.1 | S |
| 48.517 | 0.0000 | 0.0000 | 84.775 | 0.16040 | 0.00000 | 319537.6 | 112919.7 | 183122.1 | S |
| 48.525 | 0.0000 | 0.0000 | 84.775 | 0.16035 | 0.00000 | 319537.6 | 112924.5 | 183122.1 | S |
| 48.533 | 0.0000 | 0.0000 | 84.774 | 0.16031 | 0.00000 | 319537.6 | 112929.3 | 183122.1 | S |
| 48.542 | 0.0000 | 0.0000 | 84.774 | 0.16026 | 0.00000 | 319537.6 | 112934.1 | 183122.1 | S |
| 48.550 | 0.0000 | 0.0000 | 84.774 | 0.16022 | 0.00000 | 319537.6 | 112938.9 | 183122.1 | S |
| 48.558 | 0.0000 | 0.0000 | 84.773 | 0.16017 | 0.00000 | 319537.6 | 112943.8 | 183122.1 | S |
| 48.567 | 0.0000 | 0.0000 | 84.773 | 0.16013 | 0.00000 | 319537.6 | 112948.6 | 183122.1 | S |
| 48.575 | 0.0000 | 0.0000 | 84.773 | 0.16008 | 0.00000 | 319537.6 | 112953.4 | 183122.1 | S |
| 48.583 | 0.0000 | 0.0000 | 84.772 | 0.16004 | 0.00000 | 319537.6 | 112958.2 | 183122.1 | S |
| 48.592 | 0.0000 | 0.0000 | 84.772 | 0.15999 | 0.00000 | 319537.6 | 112963.0 | 183122.1 | S |
| 48.600 | 0.0000 | 0.0000 | 84.771 | 0.15995 | 0.00000 | 319537.6 | 112967.8 | 183122.1 | S |
| 48.608 | 0.0000 | 0.0000 | 84.771 | 0.15990 | 0.00000 | 319537.6 | 112972.6 | 183122.1 | S |
| 48.617 | 0.0000 | 0.0000 | 84.771 | 0.15986 | 0.00000 | 319537.6 | 112977.4 | 183122.1 | S |
| 48.625 | 0.0000 | 0.0000 | 84.770 | 0.15982 | 0.00000 | 319537.6 | 112982.1 | 183122.1 | S |
| 48.633 | 0.0000 | 0.0000 | 84.770 | 0.15977 | 0.00000 | 319537.6 | 112986.9 | 183122.1 | S |
| 48.642 | 0.0000 | 0.0000 | 84.769 | 0.15973 | 0.00000 | 319537.6 | 112991.7 | 183122.1 | S |
| 48.650 | 0.0000 | 0.0000 | 84.769 | 0.15968 | 0.00000 | 319537.6 | 112996.5 | 183122.1 | S |
| 48.658 | 0.0000 | 0.0000 | 84.769 | 0.15964 | 0.00000 | 319537.6 | \$13001.3 | 183122.1 | S |
| 48.667 | 0.0000 | 0.0000 | 84.768 | 0.15959 | 0.00000 | 319537.6 | \$13006.1 | 183122.1 | S |
| 48.675 | 0.0000 | 0.0000 | 84.768 | 0.15955 | 0.00000 | 319537.6 | 113010.9 | 183122.1 | S |
| 48.683 | 0.0000 | 0.0000 | 84.768 | 0.15950 | 0.00000 | 319537.6 | 113015.7 | 183122.1 | S |
| 48.692 | 0.0000 | 0.0000 | 84.767 | 0.15946 | 0.00000 | 319537.6 | 113020.5 | 183122.1 | S |
| 48.700 | 0.0000 | 0.0000 | 84.767 | 0.15941 | 0.00000 | 319537.6 | 113025.2 | 183122.1 | S |
| 48.708 | 0.0000 | 0.0000 | 84.766 | 0.15937 | 0.00000 | 319537.6 | 113030.0 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( f /3/s) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate (ft3/s) | Overflow Discharge ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{fl}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 48.717 | 0.0000 | 0.0000 | 84.766 | 0.15933 | 0.00000 | 319537.6 | 113034.8 | 183122.1 | S |
| 48.725 | 0.0000 | 0.0000 | 84.766 | 0.15928 | 0.00000 | 319537.6 | 113039.6 | 183122.1 | S |
| 48.733 | 0.0000 | 0.0000 | 84.765 | 0.15924 | 0.00000 | 319537.6 | 113044.4 | 183122.1 | S |
| 48.742 | 0.0000 | 0.0000 | 84.765 | 0.15919 | 0.00000 | 319537.6 | 113049.1 | 183122.1 | S |
| 48.750 | 0.0000 | 0.0000 | 84.764 | 0.15915 | 0.00000 | 319537.6 | 113053.9 | 183122.1 | S |
| 48.758 | 0.0000 | 0.0000 | 84.764 | 0.15910 | 0.00000 | 319537.6 | 113058.7 | 183122.1 | S |
| 48.767 | 0.0000 | 0.0000 | 84.764 | 0.15906 | 0.00000 | 319537.6 | 113063.5 | 183122.1 | S |
| 48.775 | 0.0000 | 0.0000 | 84.763 | 0.15902 | 0.00000 | 319537.6 | 113068.2 | 183122.1 | S |
| 48.783 | 0.0000 | 0.0000 | 84.763 | 0.15897 | 0.00000 | 319537.6 | 113073.0 | 183122.1 | S |
| 48.792 | 0.0000 | 0.0000 | 84.763 | 0.15893 | 0.00000 | 319537.6 | 113077.8 | 183122.1 | S |
| 48.800 | 0.0000 | 0.0000 | 84.762 | 0.15888 | 0.00000 | 319537.6 | 113082.5 | 183122.1 | S |
| 48.808 | 0.0000 | 0.0000 | 84.762 | 0.15884 | 0.00000 | 319537.6 | 113087.3 | 183122.1 | S |
| 48.817 | 0.0000 | 0.0000 | 84.761 | 0.15880 | 0.00000 | 319537.6 | 113092.1 | 183122.1 | S |
| 48.825 | 0.0000 | 0.0000 | 84.761 | 0.15875 | 0.00000 | 319537.6 | 113096.8 | 183122.1 | S |
| 48.833 | 0.0000 | 0.0000 | 84.761 | 0.15871 | 0.00000 | 319537.6 | 113101.6 | 183122.1 | S |
| 48.842 | 0.0000 | 0.0000 | 84.760 | 0.15866 | 0.00000 | 319537.6 | 113106.4 | 183122.1 | S |
| 48.850 | 0.0000 | 0.0000 | 84.760 | 0.15862 | 0.00000 | 319537.6 | 113111.1 | 183122.1 | S |
| 48.858 | 0.0000 | 0.0000 | 84.759 | 0.15857 | 0.00000 | 319537.6 | 113115.9 | 183122.1 | S |
| 48.867 | 0.0000 | 0.0000 | 84.759 | 0.15853 | 0.00000 | 319537.6 | 113120.6 | 183122.1 | S |
| 48.875 | 0.0000 | 0.0000 | 84.759 | 0.15849 | 0.00000 | 319537.6 | 113125.4 | 183122.1 | S |
| 48.883 | 0.0000 | 0.0000 | 84.758 | 0.15844 | 0.00000 | 319537.6 | 113130.1 | 183122.1 | S |
| 48.892 | 0.0000 | 0.0000 | 84.758 | 0.15840 | 0.00000 | 319537.6 | 113134.9 | 183122.1 | S |
| 48.900 | 0.0000 | 0.0000 | 84.758 | 0.15835 | 0.00000 | 319537.6 | 113139.6 | 183122.1 | S |
| 48.908 | 0.0000 | 0.0000 | 84.757 | 0.15831 | 0.00000 | 319537.6 | 113144.4 | 183122.1 | S |
| 48.917 | 0.0000 | 0.0000 | 84.757 | 0.15827 | 0.00000 | 319537.6 | 113149.1 | 183122.1 | S |
| 48.925 | 0.0000 | 0.0000 | 84.756 | 0.15822 | 0.00000 | 319537.6 | \$13153.9 | 183122.1 | S |
| 48.933 | 0.0000 | 0.0000 | 84.756 | 0.15818 | 0.00000 | 319537.6 | 113158.6 | 183122.1 | S |
| 48.942 | 0.0000 | 0.0000 | 84.756 | 0.15813 | 0.00000 | 319537.6 | 113163.4 | 183122.1 | S |
| 48.950 | 0.0000 | 0.0000 | 84.755 | 0.15809 | 0.00000 | 319537.6 | 113168.1 | 183122.1 | S |
| 48.958 | 0.0000 | 0.0000 | 84.755 | 0.15805 | 0.00000 | 319537.6 | 113172.9 | 183122.1 | S |
| 48.967 | 0.0000 | 0.0000 | 84.754 | 0.15800 | 0.00000 | 319537.6 | 113177.6 | 183122.1 | S |
| 48.975 | 0.0000 | 0.0000 | 84.754 | 0.15796 | 0.00000 | 319537.6 | 113182.3 | 183122.1 | S |
| 48.983 | 0.0000 | 0.0000 | 84.754 | 0.15792 | 0.00000 | 319537.6 | 113187.1 | 183122.1 | S |
| 48.992 | 0.0000 | 0.0000 | 84.753 | 0.15787 | 0.00000 | 319537.6 | 113191.8 | 183122.1 | S |
| 49.000 | 0.0000 | 0.0000 | 84.753 | 0.15783 | 0.00000 | 319537.6 | 113196.6 | 183122.1 | S |
| 49.008 | 0.0000 | 0.0000 | 84.753 | 0.15778 | 0.00000 | 319537.6 | 113201.3 | 183122.1 | S |
| 49.017 | 0.0000 | 0.0000 | 84.752 | 0.15774 | 0.00000 | 319537.6 | \$13206.0 | 183122.1 | S |
| 49.025 | 0.0000 | 0.0000 | 84.752 | 0.15770 | 0.00000 | 319537.6 | 113210.8 | 183122.1 | S |
| 49.033 | 0.0000 | 0.0000 | 84.751 | 0.15765 | 0.00000 | 319537.6 | 113215.5 | 183122.1 | S |
| 49.042 | 0.0000 | 0.0000 | 84.751 | 0.15761 | 0.00000 | 319537.6 | 113220.2 | 183122.1 | S |
| 49.050 | 0.0000 | 0.0000 | 84.751 | 0.15757 | 0.00000 | 319537.6 | 113224.9 | 183122.1 | S |
| 49.058 | 0.0000 | 0.0000 | 84.750 | 0.15752 | 0.00000 | 319537.6 | 113229.7 | 183122.1 | S |
| 49.067 | 0.0000 | 0.0000 | 84.750 | 0.15748 | 0.00000 | 319537.6 | 113234.4 | 183122.1 | S |
| 49.075 | 0.0000 | 0.0000 | 84.750 | 0.15744 | 0.00000 | 319537.6 | 113239.1 | 183122.1 | S |
| 49.083 | 0.0000 | 0.0000 | 84.749 | 0.15739 | 0.00000 | 319537.6 | 113243.8 | 183122.1 | S |
| 49.092 | 0.0000 | 0.0000 | 84.749 | 0.15735 | 0.00000 | 319537.6 | 113248.6 | 183122.1 | S |
| 49.100 | 0.0000 | 0.0000 | 84.748 | 0.15730 | 0.00000 | 319537.6 | 113253.3 | 183122.1 | S |
| 49.108 | 0.0000 | 0.0000 | 84.748 | 0.15726 | 0.00000 | 319537.6 | 113258.0 | 183122.1 | S |
| 49.117 | 0.0000 | 0.0000 | 84.748 | 0.15722 | 0.00000 | 319537.6 | 113262.7 | 183122.1 | S |
| 49.125 | 0.0000 | 0.0000 | 84.747 | 0.15717 | 0.00000 | 319537.6 | 113267.4 | 183122.1 | S |
| 49.133 | 0.0000 | 0.0000 | 84.747 | 0.15713 | 0.00000 | 319537.6 | 113272.1 | 183122.1 | S |
| 49.142 | 0.0000 | 0.0000 | 84.746 | 0.15709 | 0.00000 | 319537.6 | 113276.9 | 183122.1 | S |
| 49.150 | 0.0000 | 0.0000 | 84.746 | 0.15704 | 0.00000 | 319537.6 | 113281.6 | 183122.1 | S |
| 49.158 | 0.0000 | 0.0000 | 84.746 | 0.15700 | 0.00000 | 319537.6 | 113286.3 | 183122.1 | S |
| 49.167 | 0.0000 | 0.0000 | 84.745 | 0.15696 | 0.00000 | 319537.6 | 113291.0 | 183122.1 | S |
| 49.175 | 0.0000 | 0.0000 | 84.745 | 0.15691 | 0.00000 | 319537.6 | 113295.7 | 183122.1 | S |
| 49.183 | 0.0000 | 0.0000 | 84.745 | 0.15687 | 0.00000 | 319537.6 | 113300.4 | 183122.1 | S |
| 49.192 | 0.0000 | 0.0000 | 84.744 | 0.15683 | 0.00000 | 319537.6 | 113305.1 | 183122.1 | S |
| 49.200 | 0.0000 | 0.0000 | 84.744 | 0.15678 | 0.00000 | 319537.6 | 113309.8 | 183122.1 | S |
| 49.208 | 0.0000 | 0.0000 | 84.743 | 0.15674 | 0.00000 | 319537.6 | 113314.5 | 183122.1 | S |
| 49.217 | 0.0000 | 0.0000 | 84.743 | 0.15670 | 0.00000 | 319537.6 | 113319.2 | 183122.1 | S |
| 49.225 | 0.0000 | 0.0000 | 84.743 | 0.15665 | 0.00000 | 319537.6 | 113323.9 | 183122.1 | S |
| 49.233 | 0.0000 | 0.0000 | 84.742 | 0.15661 | 0.00000 | 319537.6 | 113328.6 | 183122.1 | S |
| 49.242 | 0.0000 | 0.0000 | 84.742 | 0.15657 | 0.00000 | 319537.6 | 113333.3 | 183122.1 | S |
| 49.250 | 0.0000 | 0.0000 | 84.742 | 0.15652 | 0.00000 | 319537.6 | 113338.0 | 183122.1 | S |
| 49.258 | 0.0000 | 0.0000 | 84.741 | 0.15648 | 0.00000 | 319537.6 | 113342.7 | 183122.1 | S |
| 49.267 | 0.0000 | 0.0000 | 84.741 | 0.15644 | 0.00000 | 319537.6 | 113347.4 | 183122.1 | S |
| 49.275 | 0.0000 | 0.0000 | 84.740 | 0.15639 | 0.00000 | 319537.6 | 113352.1 | 183122.1 | S |
| 49.283 | 0.0000 | 0.0000 | 84.740 | 0.15635 | 0.00000 | 319537.6 | 113356.8 | 183122.1 | S |
| 49.292 | 0.0000 | 0.0000 | 84.740 | 0.15631 | 0.00000 | 319537.6 | 113361.5 | 183122.1 | S |
| 49.300 | 0.0000 | 0.0000 | 84.739 | 0.15626 | 0.00000 | 319537.6 | 113366.2 | 183122.1 | S |
| 49.308 | 0.0000 | 0.0000 | 84.739 | 0.15622 | 0.00000 | 319537.6 | 113370.9 | 183122.1 | S |
| 49.317 | 0.0000 | 0.0000 | 84.739 | 0.15618 | 0.00000 | 319537.6 | 113375.5 | 183122.1 | S |
| 49.325 | 0.0000 | 0.0000 | 84.738 | 0.15614 | 0.00000 | 319537.6 | 113380.2 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | Infiow Rate (fis/s) | Outside Recharge (f/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 49.333 | 0.0000 | 0.0000 | 84.738 | 0.15609 | 0.00000 | 319537.6 | 113384.9 | 183122.1 | S |
| 49.342 | 0.0000 | 0.0000 | 84.737 | 0.15605 | 0.00000 | 319537.6 | 113389.6 | 183122.1 | S |
| 49.350 | 0.0000 | 0.0000 | 84.737 | 0.15601 | 0.00000 | 319537.6 | 113394.3 | 183122.1 | S |
| 49.358 | 0.0000 | 0.0000 | 84.737 | 0.15596 | 0.00000 | 319537.6 | 113398.9 | 183122.1 | S |
| 49.367 | 0.0000 | 0.0000 | 84.736 | 0.15592 | 0.00000 | 319537.6 | 113403.6 | 183122.1 | S |
| 49.375 | 0.0000 | 0.0000 | 84.736 | 0.15588 | 0.00000 | 319537.6 | 113408.3 | 183122.1 | S |
| 49.383 | 0.0000 | 0.0000 | 84.735 | 0.15583 | 0.00000 | 319537.6 | 113413.0 | 183122.1 | S |
| 49.392 | 0.0000 | 0.0000 | 84.735 | 0.15579 | 0.00000 | 319537.6 | 113417.6 | 183122.1 | S |
| 49.400 | 0.0000 | 0.0000 | 84.735 | 0.15575 | 0.00000 | 319537.6 | 113422.3 | 183122.1 | S |
| 49.408 | 0.0000 | 0.0000 | 84.734 | 0.15571 | 0.00000 | 319537.6 | 113427.0 | 183122.1 | S |
| 49.417 | 0.0000 | 0.0000 | 84.734 | 0.15566 | 0.00000 | 319537.6 | 113431.7 | 183122.1 | S |
| 49.425 | 0.0000 | 0.0000 | 84.734 | 0.15562 | 0.00000 | 319537.6 | 113436.3 | 183122.1 | S |
| 49.433 | 0.0000 | 0.0000 | 84.733 | 0.15558 | 0.00000 | 319537.6 | 113441.0 | 183122.1 | S |
| 49.442 | 0.0000 | 0.0000 | 84.733 | 0.15553 | 0.00000 | 319537.6 | 113445.7 | 183122.1 | S |
| 49.450 | 0.0000 | 0.0000 | 84.732 | 0.15549 | 0.00000 | 319537.6 | 113450.3 | 183122.1 | S |
| 49.458 | 0.0000 | 0.0000 | 84.732 | 0.15545 | 0.00000 | 319537.6 | 113455.0 | 183122.1 | S |
| 49.467 | 0.0000 | 0.0000 | 84.732 | 0.15541 | 0.00000 | 319537.6 | 113459.7 | 183122.1 | S |
| 49.475 | 0.0000 | 0.0000 | 84.731 | 0.15536 | 0.00000 | 319537.6 | 113464.3 | 183122.1 | S |
| 49.483 | 0.0000 | 0.0000 | 84.731 | 0.15532 | 0.00000 | 319537.6 | 113469.0 | 183122.1 | S |
| 49.492 | 0.0000 | 0.0000 | 84.731 | 0.15528 | 0.00000 | 319537.6 | 113473.6 | 183122.1 | S |
| 49.500 | 0.0000 | 0.0000 | 84.730 | 0.15524 | 0.00000 | 319537.6 | 113478.3 | 183122.1 | S |
| 49.508 | 0.0000 | 0.0000 | 84.730 | 0.15519 | 0.00000 | 319537.6 | 113483.0 | 183122.1 | S |
| 49.517 | 0.0000 | 0.0000 | 84.729 | 0.15515 | 0.00000 | 319537.6 | 113487.6 | 183122.1 | S |
| 49.525 | 0.0000 | 0.0000 | 84.729 | 0.15511 | 0.00000 | 319537.6 | 113492.3 | 183122.1 | S |
| 49.533 | 0.0000 | 0.0000 | 84.729 | 0.15506 | 0.00000 | 319537.6 | 113496.9 | 183122.1 | S |
| 49.542 | 0.0000 | 0.0000 | 84.728 | 0.15502 | 0.00000 | 319537.6 | 113501.6 | 183122.1 | S |
| 49.550 | 0.0000 | 0.0000 | 84.728 | 0.15498 | 0.00000 | 319537.6 | 113506.2 | 183122.1 | S |
| 49.558 | 0.0000 | 0.0000 | 84.728 | 0.15494 | 0.00000 | 319537.6 | 113510.9 | 183122.1 | S |
| 49.567 | 0.0000 | 0.0000 | 84.727 | 0.15489 | 0.00000 | 319537.6 | 113515.5 | 183122.1 | S |
| 49.575 | 0.0000 | 0.0000 | 84.727 | 0.15485 | 0.00000 | 319537.6 | 113520.2 | 183122.1 | S |
| 49.583 | 0.0000 | 0.0000 | 84.726 | 0.15481 | 0.00000 | 319537.6 | 113524.8 | 183122.1 | S |
| 49.592 | 0.0000 | 0.0000 | 84.726 | 0.15477 | 0.00000 | 319537.6 | 113529.5 | 183122.1 | S |
| 49.600 | 0.0000 | 0.0000 | 84.726 | 0.15472 | 0.00000 | 319537.6 | 113534.1 | 183122.1 | S |
| 49.608 | 0.0000 | 0.0000 | 84.725 | 0.15468 | 0.00000 | 319537.6 | 113538.7 | 183122.1 | S |
| 49.617 | 0.0000 | 0.0000 | 84.725 | 0.15464 | 0.00000 | 319537.6 | 113543.4 | 183122.1 | S |
| 49.625 | 0.0000 | 0.0000 | 84.725 | 0.15460 | 0.00000 | 319537.6 | 113548.0 | 183122.1 | S |
| 49.633 | 0.0000 | 0.0000 | 84.724 | 0.15455 | 0.00000 | 319537.6 | 113552.6 | 183122.1 | S |
| 49.642 | 0.0000 | 0.0000 | 84.724 | 0.15451 | 0.00000 | 319537.6 | 113557.3 | \$83122.1 | S |
| 49.650 | 0.0000 | 0.0000 | 84.723 | 0.15447 | 0.00000 | 319537.6 | 113561.9 | 183122.1 | S |
| 49.658 | 0.0000 | 0.0000 | 84.723 | 0.15443 | 0.00000 | 319537.6 | \$13566.6 | 183122.1 | S |
| 49.667 | 0.0000 | 0.0000 | 84.723 | 0.15438 | 0.00000 | 319537.6 | 113571.2 | 183122.1 | S |
| 49.675 | 0.0000 | 0.0000 | 84.722 | 0.15434 | 0.00000 | 319537.6 | 113575.8 | 183122.1 | S |
| 49.683 | 0.0000 | 0.0000 | 84.722 | 0.15430 | 0.00000 | 319537.6 | 113580.4 | 183122.1 | S |
| 49.692 | 0.0000 | 0.0000 | 84.722 | 0.15426 | 0.00000 | 319537.6 | 113585.1 | 183122.1 | S |
| 49.700 | 0.0000 | 0.0000 | 84.721 | 0.15422 | 0.00000 | 319537.6 | 113589.7 | 183122.1 | S |
| 49.708 | 0.0000 | 0.0000 | 84.721 | 0.15417 | 0.00000 | 319537.6 | 113594.3 | 183122.1 | S |
| 49.717 | 0.0000 | 0.0000 | 84.720 | 0.15413 | 0.00000 | 319537.6 | 113599.0 | 183122.1 | S |
| 49.725 | 0.0000 | 0.0000 | 84.720 | 0.15409 | 0.00000 | 319537.6 | 113603.6 | 183122.1 | S |
| 49.733 | 0.0000 | 0.0000 | 84.720 | 0.15405 | 0.00000 | 319537.6 | 113608.2 | 183122.1 | S |
| 49.742 | 0.0000 | 0.0000 | 84.719 | 0.15400 | 0.00000 | 319537.6 | 113612.8 | 183122.1 | S |
| 49.750 | 0.0000 | 0.0000 | 84.719 | 0.15396 | 0.00000 | 319537.6 | 113617.4 | 183122.1 | S |
| 49.758 | 0.0000 | 0.0000 | 84.718 | 0.15392 | 0.00000 | 319537.6 | 113622.1 | 183122.1 | S |
| 49.767 | 0.0000 | 0.0000 | 84.718 | 0.15388 | 0.00000 | 319537.6 | 113626.7 | 183122.1 | S |
| 49.775 | 0.0000 | 0.0000 | 84.718 | 0.15384 | 0.00000 | 319537.6 | 113631.3 | 183122.1 | S |
| 49.783 | 0.0000 | 0.0000 | 84.717 | 0.15379 | 0.00000 | 319537.6 | 113635.9 | 183122.1 | S |
| 49.792 | 0.0000 | 0.0000 | 84.717 | 0.15375 | 0.00000 | 319537.6 | 113640.5 | 183122.1 | S |
| 49.800 | 0.0000 | 0.0000 | 84.717 | 0.15371 | 0.00000 | 319537.6 | 113645.1 | 183122.1 | S |
| 49.808 | 0.0000 | 0.0000 | 84.716 | 0.15367 | 0.00000 | 319537.6 | 113649.7 | 183122.1 | S |
| 49.817 | 0.0000 | 0.0000 | 84.716 | 0.15363 | 0.00000 | 319537.6 | 113654.4 | 183122.1 | S |
| 49.825 | 0.0000 | 0.0000 | 84.715 | 0.15358 | 0.00000 | 319537.6 | 113659.0 | 183122.1 | S |
| 49.833 | 0.0000 | 0.0000 | 84.715 | 0.15354 | 0.00000 | 319537.6 | 113663.6 | 183122.1 | S |
| 49.842 | 0.0000 | 0.0000 | 84.715 | 0.15350 | 0.00000 | 319537.6 | 113668.2 | 183122.1 | S |
| 49.850 | 0.0000 | 0.0000 | 84.714 | 0.15346 | 0.00000 | 319537.6 | 113672.8 | 183122.1 | S |
| 49.858 | 0.0000 | 0.0000 | 84.714 | 0.15342 | 0.00000 | 319537.6 | 113677.4 | 183122.1 | S |
| 49.867 | 0.0000 | 0.0000 | 84.714 | 0.15337 | 0.00000 | 319537.6 | 113682.0 | 183122.1 | S |
| 49.875 | 0.0000 | 0.0000 | 84.713 | 0.15333 | 0.00000 | 319537.6 | 113686.6 | 183122.1 | S |
| 49.883 | 0.0000 | 0.0000 | 84.713 | 0.15329 | 0.00000 | 319537.6 | 113691.2 | 183122.1 | S |
| 49.892 | 0.0000 | 0.0000 | 84.712 | 0.15325 | 0.00000 | 319537.6 | 113695.8 | 183122.1 | S |
| 49.900 | 0.0000 | 0.0000 | 84.712 | 0.15321 | 0.00000 | 319537.6 | 113700.4 | 183122.1 | S |
| 49.908 | 0.0000 | 0.0000 | 84.712 | 0.15316 | 0.00000 | 319537.6 | 113705.0 | 183122.1 | S |
| 49.917 | 0.0000 | 0.0000 | 84.711 | 0.15312 | 0.00000 | 319537.6 | 113709.6 | 183122.1 | S |
| 49.925 | 0.0000 | 0.0000 | 84.711 | 0.15308 | 0.00000 | 319537.6 | 113714.2 | 183122.1 | S |
| 49.933 | 0.0000 | 0.0000 | 84.711 | 0.15304 | 0.00000 | 319537.6 | 113718.8 | 183122.1 | S |
| 49.942 | 0.0000 | 0.0000 | 84.710 | 0.15300 | 0.00000 | 319537.6 | 113723.3 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr $/ 24$ Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate (f $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Cumulative Infiow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 49.950 | 0.0000 | 0.0000 | 84.710 | 0.15295 | 0.00000 | 319537.6 | 113727.9 | 183122.1 | S |
| 49.958 | 0.0000 | 0.0000 | 84.709 | 0.15291 | 0.00000 | 319537.6 | 113732.5 | 183122.1 | S |
| 49.967 | 0.0000 | 0.0000 | 84.709 | 0.15287 | 0.00000 | 319537.6 | 113737.1 | 183122.1 | S |
| 49.975 | 0.0000 | 0.0000 | 84.709 | 0.15283 | 0.00000 | 319537.6 | 113741.7 | 183122.1 | S |
| 49.983 | 0.0000 | 0.0000 | 84.708 | 0.15279 | 0.00000 | 319537.6 | 113746.3 | 183122.1 | S |
| 49.992 | 0.0000 | 0.0000 | 84.708 | 0.15275 | 0.00000 | 319537.6 | 113750.9 | 183122.1 | S |
| 50.000 | 0.0000 | 0.0000 | 84.708 | 0.15270 | 0.00000 | 319537.6 | 113755.4 | 183122.1 | S |
| 50.008 | 0.0000 | 0.0000 | 84.707 | 0.15266 | 0.00000 | 319537.6 | 113760.0 | 183122.1 | S |
| 50.017 | 0.0000 | 0.0000 | 84.707 | 0.15262 | 0.00000 | 319537.6 | 113764.6 | 183122.1 | S |
| 50.025 | 0.0000 | 0.0000 | 84.706 | 0.15258 | 0.00000 | 319537.6 | 113769.2 | 183122.1 | S |
| 50.033 | 0.0000 | 0.0000 | 84.706 | 0.15254 | 0.00000 | 319537.6 | 113773.8 | 183122.1 | S |
| 50.042 | 0.0000 | 0.0000 | 84.706 | 0.15250 | 0.00000 | 319537.6 | 113778.3 | 183122.1 | S |
| 50.050 | 0.0000 | 0.0000 | 84.705 | 0.15245 | 0.00000 | 319537.6 | 113782.9 | 183122.1 | S |
| 50.058 | 0.0000 | 0.0000 | 84.705 | 0.15241 | 0.00000 | 319537.6 | 113787.5 | 183122.1 | S |
| 50.067 | 0.0000 | 0.0000 | 84.705 | 0.15237 | 0.00000 | 319537.6 | \$13792.0 | 183122.1 | S |
| 50.075 | 0.0000 | 0.0000 | 84.704 | 0.15233 | 0.00000 | 319537.6 | 113796.6 | 183122.1 | S |
| 50.083 | 0.0000 | 0.0000 | 84.704 | 0.15229 | 0.00000 | 319537.6 | 113801.2 | 183122.1 | S |
| 50.092 | 0.0000 | 0.0000 | 84.703 | 0.15225 | 0.00000 | 319537.6 | 113805.8 | 183122.4 | S |
| 50.100 | 0.0000 | 0.0000 | 84.703 | 0.15221 | 0.00000 | 319537.6 | 113810.3 | 183122.1 | S |
| 50.108 | 0.0000 | 0.0000 | 84.703 | 0.15216 | 0.00000 | 319537.6 | 113814.9 | 183122.1 | S |
| 50.117 | 0.0000 | 0.0000 | 84.702 | 0.15212 | 0.00000 | 319537.6 | 113819.5 | 183122.1 | S |
| 50.125 | 0.0000 | 0.0000 | 84.702 | 0.15208 | 0.00000 | 319537.6 | 113824.0 | 183122.1 | S |
| 50.133 | 0.0000 | 0.0000 | 84.702 | 0.15204 | 0.00000 | 319537.6 | 113828.6 | 183122.1 | S |
| 50.142 | 0.0000 | 0.0000 | 84.701 | 0.15200 | 0.00000 | 319537.6 | 113833.1 | 183122.1 | S |
| 50.150 | 0.0000 | 0.0000 | 84.701 | 0.15196 | 0.00000 | 319537.6 | 113837.7 | 183122.1 | S |
| 50.158 | 0.0000 | 0.0000 | 84.700 | 0.15192 | 0.00000 | 319537.6 | 113842.3 | 183122.1 | S |
| 50.167 | 0.0000 | 0.0000 | 84.700 | 0.15187 | 0.00000 | 319537.6 | \$13846.8 | 183122.1 | S |
| 50.175 | 0.0000 | 0.0000 | 84.700 | 0.15183 | 0.00000 | 319537.6 | 113851.4 | 183122.1 | S |
| 50.183 | 0.0000 | 0.0000 | 84.699 | 0.15179 | 0.00000 | 319537.6 | 113855.9 | 183122.1 | S |
| 50.192 | 0.0000 | 0.0000 | 84.699 | 0.15175 | 0.00000 | 319537.6 | 113860.5 | 183122.1 | S |
| 50.200 | 0.0000 | 0.0000 | 84.699 | 0.15171 | 0.00000 | 319537.6 | 113865.0 | 183122.1 | S |
| 50.208 | 0.0000 | 0.0000 | 84.698 | 0.15167 | 0.00000 | 319537.6 | 113869.6 | 183122.1 | S |
| 50.217 | 0.0000 | 0.0000 | 84.698 | 0.15163 | 0.00000 | 319537.6 | 113874.1 | 183122.1 | S |
| 50.225 | 0.0000 | 0.0000 | 84.698 | 0.15159 | 0.00000 | 319537.6 | 113878.7 | 183122.1 | S |
| 50.233 | 0.0000 | 0.0000 | 84.697 | 0.15154 | 0.00000 | 319537.6 | 113883.2 | 183122.1 | S |
| 50.242 | 0.0000 | 0.0000 | 84.697 | 0.15150 | 0.00000 | 319537.6 | 113887.8 | 183122.1 | S |
| 50.250 | 0.0000 | 0.0000 | 84.696 | 0.15146 | 0.00000 | 319537.6 | 113892.3 | 183122.1 | S |
| 50.258 | 0.0000 | 0.0000 | 84.696 | 0.15142 | 0.00000 | 319537.6 | 113896.9 | 183122.1 | S |
| 50.267 | 0.0000 | 0.0000 | 84.696 | 0.15138 | 0.00000 | 319537.6 | 113901.4 | 183122.1 | S |
| 50.275 | 0.0000 | 0.0000 | 84.695 | 0.15134 | 0.00000 | 319537.6 | \$13905.9 | 183122.1 | S |
| 50.283 | 0.0000 | 0.0000 | 84.695 | 0.15130 | 0.00000 | 319537.6 | 113910.5 | 183122.1 | S |
| 50.292 | 0.0000 | 0.0000 | 84.695 | 0.15126 | 0.00000 | 319537.6 | 113915.0 | 183122.1 | S |
| 50.300 | 0.0000 | 0.0000 | 84.694 | 0.15121 | 0.00000 | 319537.6 | 113919.6 | 183122.1 | S |
| 50.308 | 0.0000 | 0.0000 | 84.694 | 0.15117 | 0.00000 | 319537.6 | 113924.1 | 183122.1 | S |
| 50.317 | 0.0000 | 0.0000 | 84.693 | 0.15113 | 0.00000 | 319537.6 | 113928.6 | 183122.1 | S |
| 50.325 | 0.0000 | 0.0000 | 84.693 | 0.15109 | 0.00000 | 319537.6 | 113933.2 | 183122.1 | S |
| 50.333 | 0.0000 | 0.0000 | 84.693 | 0.15105 | 0.00000 | 319537.6 | 113937.7 | 183122.1 | S |
| 50.342 | 0.0000 | 0.0000 | 84.692 | 0.15101 | 0.00000 | 319537.6 | 113942.2 | 183122. 1 | S |
| 50.350 | 0.0000 | 0.0000 | 84.692 | 0.15097 | 0.00000 | 319537.6 | 113946.8 | 183122.1 | S |
| 50.358 | 0.0000 | 0.0000 | 84.692 | 0.15093 | 0.00000 | 319537.6 | 113951.3 | 183122.1 | S |
| 50.367 | 0.0000 | 0.0000 | 84.691 | 0.15089 | 0.00000 | 319537.6 | 113955.8 | 183122.1 | S |
| 50.375 | 0.0000 | 0.0000 | 84.691 | 0.15085 | 0.00000 | 319537.6 | 113960.3 | 183122.1 | S |
| 50.383 | 0.0000 | 0.0000 | 84.690 | 0.15080 | 0.00000 | 319537.6 | \$13964.9 | 183122.1 | S |
| 50.392 | 0.0000 | 0.0000 | 84.690 | 0.15076 | 0.00000 | 319537.6 | \$13969.4 | 183122.1 | S |
| 50.400 | 0.0000 | 0.0000 | 84.690 | 0.15072 | 0.00000 | 319537.6 | 113973.9 | 183122.1 | S |
| 50.408 | 0.0000 | 0.0000 | 84.689 | 0.15068 | 0.00000 | 319537.6 | 113978.4 | 183122.1 | S |
| 50.417 | 0.0000 | 0.0000 | 84.689 | 0.15064 | 0.00000 | 319537.6 | 113982.9 | 183122.1 | S |
| 50.425 | 0.0000 | 0.0000 | 84.689 | 0.15060 | 0.00000 | 319537.6 | 113987.5 | 183122.1 | S |
| 50.433 | 0.0000 | 0.0000 | 84.688 | 0.15056 | 0.00000 | 319537.6 | 113992.0 | 183122.1 | S |
| 50.442 | 0.0000 | 0.0000 | 84.688 | 0.15052 | 0.00000 | 319537.6 | 113996.5 | 183122.1 | S |
| 50.450 | 0.0000 | 0.0000 | 84.687 | 0.15048 | 0.00000 | 319537.6 | 114001.0 | 183122.1 | S |
| 50.458 | 0.0000 | 0.0000 | 84.687 | 0.15044 | 0.00000 | 319537.6 | 114005.5 | 183122.1 | S |
| 50.467 | 0.0000 | 0.0000 | 84.687 | 0.15040 | 0.00000 | 319537.6 | 114010.0 | 183122.1 | S |
| 50.475 | 0.0000 | 0.0000 | 84.686 | 0.15036 | 0.00000 | 319537.6 | 114014.5 | 183122.1 | S |
| 50.483 | 0.0000 | 0.0000 | 84.686 | 0.15031 | 0.00000 | 319537.6 | 114019.1 | 183122.7 | S |
| 50.492 | 0.0000 | 0.0000 | 84.686 | 0.15027 | 0.00000 | 319537.6 | 114023.6 | 183122.1 | S |
| 50.500 | 0.0000 | 0.0000 | 84.685 | 0.15023 | 0.00000 | 319537.6 | 114028.1 | 183122.1 | S |
| 50.508 | 0.0000 | 0.0000 | 84.685 | 0.15019 | 0.00000 | 319537.6 | 114032.6 | 183122.1 | S |
| 50.517 | 0.0000 | 0.0000 | 84.684 | 0.15015 | 0.00000 | 319537.6 | 114037.1 | 183122.1 | S |
| 50.525 | 0.0000 | 0.0000 | 84.684 | 0.15011 | 0.00000 | 319537.6 | 114041.6 | 183122.1 | S |
| 50.533 | 0.0000 | 0.0000 | 84.684 | 0.15007 | 0.00000 | 319537.6 | 114046.1 | 183122.1 | S |
| 50.542 | 0.0000 | 0.0000 | 84.683 | 0.15003 | 0.00000 | 319537.6 | 114050.6 | 183122.1 | S |
| 50.550 | 0.0000 | 0.0000 | 84.683 | 0.14999 | 0.00000 | 319537.6 | 114055.1 | 183122.1 | S |
| 50.558 | 0.0000 | 0.0000 | 84.683 | 0.14995 | 0.00000 | 319537.6 | 114059.6 | 183122.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:. Scenario 1 :: pond10 100 yr $/ 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | Infiow Rate ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (fl datum) | Infitration Rate ( $\mathrm{f}^{3 /} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | $\begin{aligned} & \text { Flow } \\ & \text { Type } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 50.567 | 0.0000 | 0.0000 | 84.682 | 0.14991 | 0.00000 | 319537.6 | 114064.1 | 183122.1 | S |
| 50.575 | 0.0000 | 0.0000 | 84.682 | 0.14987 | 0.00000 | 319537.6 | 114068.6 | 183122.1 | S |
| 50.583 | 0.0000 | 0.0000 | 84.682 | 0.14983 | 0.00000 | 319537.6 | 114073.1 | 183122.1 | S |
| 50.592 | 0.0000 | 0.0000 | 84.681 | 0.14979 | 0.00000 | 319537.6 | 114077.6 | 183122.1 | S |
| 50.600 | 0.0000 | 0.0000 | 84.681 | 0.14975 | 0.00000 | 319537.6 | 114082.1 | 183122.1 | S |
| 50.608 | 0.0000 | 0.0000 | 84.680 | 0.14971 | 0.00000 | 319537.6 | 114086.6 | 183122.1 | S |
| 50.617 | 0.0000 | 0.0000 | 84.680 | 0.14967 | 0.00000 | 319537.6 | 114091.0 | 183122.1 | S |
| 50.625 | 0.0000 | 0.0000 | 84.680 | 0.14962 | 0.00000 | 319537.6 | 114095.5 | 183122.1 | S |
| 50.633 | 0.0000 | 0.0000 | 84.679 | 0.14958 | 0.00000 | 319537.6 | 114100.0 | 183122.1 | S |
| 50.642 | 0.0000 | 0.0000 | 84.679 | 0.14954 | 0.00000 | 319537.6 | 114104.5 | 183122.1 | S |
| 50.650 | 0.0000 | 0.0000 | 84.679 | 0.14950 | 0.00000 | 319537.6 | 114109.0 | 183122.1 | S |
| 50.658 | 0.0000 | 0.0000 | 84.678 | 0.14946 | 0.00000 | 319537.6 | 114113.5 | 183122.1 | S |
| 50.667 | 0.0000 | 0.0000 | 84.678 | 0.14942 | 0.00000 | 319537.6 | 114118.0 | 183122.1 | S |
| 50.675 | 0.0000 | 0.0000 | 84.677 | 0.14938 | 0.00000 | 319537.6 | 114122.5 | 183122.1 | S |
| 50.683 | 0.0000 | 0.0000 | 84.677 | 0.14934 | 0.00000 | 319537.6 | 114126.9 | 183122.1 | S |
| 50.692 | 0.0000 | 0.0000 | 84.677 | 0.14930 | 0.00000 | 319537.6 | 114131.4 | 183122.1 | S |
| 50.700 | 0.0000 | 0.0000 | 84.676 | 0.14926 | 0.00000 | 319537.6 | 114135.9 | 183122.1 | S |
| 50.708 | 0.0000 | 0.0000 | 84,676 | 0.14922 | 0.00000 | 319537.6 | 114140.4 | 183122.1 | S |
| 50.717 | 0.0000 | 0.0000 | 84,676 | 0.14918 | 0.00000 | 319537.6 | 114144.8 | 183122.1 | S |
| 50.725 | 0.0000 | 0.0000 | 84.675 | 0.14914 | 0.00000 | 319537.6 | 114149.3 | 183122.1 | S |
| 50.733 | 0.0000 | 0.0000 | 84.675 | 0.14910 | 0.00000 | 319537.6 | 114153.8 | 183122.1 | S |
| 50.742 | 0.0000 | 0.0000 | 84.674 | 0.14906 | 0.00000 | 319537.6 | 114158.3 | 183122.1 | S |
| 50.750 | 0.0000 | 0.0000 | 84.674 | 0.14902 | 0.00000 | 319537.6 | 114162.7 | 183122.1 | S |
| 50.758 | 0.0000 | 0.0000 | 84.674 | 0.14898 | 0.00000 | 319537.6 | 114167.2 | 183122.1 | S |
| 50.767 | 0.0000 | 0.0000 | 84.673 | 0.14894 | 0.00000 | 319537.6 | 114171.7 | 183122.1 | S |
| 50.775 | 0.0000 | 0.0000 | 84.673 | 0.14890 | 0.00000 | 319537.6 | 114176.1 | 183122.1 | S |
| 50.783 | 0.0000 | 0.0000 | 84.673 | 0.14886 | 0.00000 | 319537.6 | 114180.6 | 183122.4 | S |
| 50.792 | 0.0000 | 0.0000 | 84.672 | 0.14882 | 0.00000 | 319537.6 | 114185.1 | 183122.1 | S |
| 50.800 | 0.0000 | 0.0000 | 84.672 | 0.14878 | 0.00000 | 319537.6 | 114189.5 | 183122.1 | S |
| 50.808 | 0.0000 | 0.0000 | 84.672 | 0.14874 | 0.00000 | 319537.6 | 114194.0 | 183122.1 | S |
| 50.817 | 0.0000 | 0.0000 | 84.671 | 0.14870 | 0.00000 | 319537.6 | 114198.5 | 183122.1 | S |
| 50.825 | 0.0000 | 0.0000 | 84.671 | 0.14866 | 0.00000 | 319537.6 | 114202.9 | 183122.1 | S |
| 50.833 | 0.0000 | 0.0000 | 84.670 | 0.14862 | 0.00000 | 319537.6 | \$14207.4 | 183122.1 | S |
| 50.842 | 0.0000 | 0.0000 | 84.670 | 0.14858 | 0.00000 | 319537.6 | 114211.8 | 183122.1 | S |
| 50.850 | 0.0000 | 0.0000 | 84.670 | 0.14854 | 0.00000 | 319537.6 | 114216.3 | 183122.1 | S |
| 50.858 | 0.0000 | 0.0000 | 84.669 | 0.14850 | 0.00000 | 319537.6 | 114220.8 | 183122.1 | S |
| 50.867 | 0.0000 | 0.0000 | 84.669 | 0.14846 | 0.00000 | 319537.6 | 114225.2 | 183122.1 | S |
| 50.875 | 0.0000 | 0.0000 | 84.669 | 0.14842 | 0.00000 | 319537.6 | 114229.7 | 183122.1 | S |
| 50.883 | 0.0000 | 0.0000 | 84.668 | 0.14838 | 0.00000 | 319537.6 | 114234.1 | 183122.1 | S |
| 50.892 | 0.0000 | 0.0000 | 84.668 | 0.14834 | 0.00000 | 319537.6 | 114238.6 | 183122.1 | S |
| 50.900 | 0.0000 | 0.0000 | 84.667 | 0.14830 | 0.00000 | 319537.6 | 114243.0 | 183122.1 | S |
| 50.908 | 0.0000 | 0.0000 | 84.667 | 0.14826 | 0.00000 | 319537.6 | 114247.5 | 183122.1 | S |
| 50.917 | 0.0000 | 0.0000 | 84.667 | 0.14822 | 0.00000 | 319537.6 | 114251.9 | 183122.1 | S |
| 50.925 | 0.0000 | 0.0000 | 84.666 | 0.14818 | 0.00000 | 319537.6 | 114256.4 | 183122.1 | S |
| 50.933 | 0.0000 | 0.0000 | 84.666 | 0.14814 | 0.00000 | 319537.6 | 114260.8 | 183122.1 | S |
| 50.942 | 0.0000 | 0.0000 | 84.666 | 0.14810 | 0.00000 | 319537.6 | 114265.2 | 183122.1 | S |
| 50.950 | 0.0000 | 0.0000 | 84.665 | 0.14806 | 0.00000 | 319537.6 | 114269.7 | 183122.1 | S |
| 50.958 | 0.0000 | 0.0000 | 84.665 | 0.14802 | 0.00000 | 319537.6 | 114274.1 | 183122.1 | S |
| 50.967 | 0.0000 | 0.0000 | 84.665 | 0.14798 | 0.00000 | 319537.6 | 114278.6 | 183122.1 | S |
| 50.975 | 0.0000 | 0.0000 | 84.664 | 0.14794 | 0.00000 | 319537.6 | 114283.0 | 183122.1 | S |
| 50.983 | 0.0000 | 0.0000 | 84.664 | 0.14790 | 0.00000 | 319537.6 | 114287.4 | 183122.1 | S |
| 50.992 | 0.0000 | 0.0000 | 84.663 | 0.14786 | 0.00000 | 319537.6 | 114291.9 | 483122.1 | S |
| 51.000 | 0.0000 | 0.0000 | 84.663 | 0.14782 | 0.00000 | 319537.6 | 114296.3 | 183122.1 | S |
| 51.008 | 0.0000 | 0.0000 | 84.663 | 0.14778 | 0.00000 | 319537.6 | 114300.7 | 183122.1 | S |
| 51.017 | 0.0000 | 0.0000 | 84.662 | 0.14774 | 0.00000 | 319537.6 | 114305.2 | 183122.1 | S |
| 51.025 | 0.0000 | 0.0000 | 84.662 | 0.14770 | 0.00000 | 319537.6 | 114309.6 | 183122.1 | S |
| 51.033 | 0.0000 | 0.0000 | 84.662 | 0.14766 | 0.00000 | 319537.6 | 114314.0 | 183122.1 | S |
| 51.042 | 0.0000 | 0.0000 | 84.661 | 0.14762 | 0.00000 | 319537.6 | 114318.5 | 183122.1 | S |
| 51.050 | 0.0000 | 0.0000 | 84.661 | 0.14758 | 0.00000 | 319537.6 | 114322.9 | 183122.1 | S |
| 51.058 | 0.0000 | 0.0000 | 84.660 | 0.14754 | 0.00000 | 319537.6 | 114327.3 | 183122.1 | S |
| 51.067 | 0.0000 | 0.0000 | 84.660 | 0.14750 | 0.00000 | 319537.6 | 114331.8 | 183122.1 | S |
| 51.075 | 0.0000 | 0.0000 | 84.660 | 0.14746 | 0.00000 | 319537.6 | 114336.2 | 183122.1 | S |
| 51.083 | 0.0000 | 0.0000 | 84.659 | 0.14742 | 0.00000 | 319537.6 | 114340.6 | 183122.1 | S |
| 51.092 | 0.0000 | 0.0000 | 84.659 | 0.14738 | 0.00000 | 319537.6 | 114345.0 | 183122.1 | S |
| 51.100 | 0.0000 | 0.0000 | 84.659 | 0.14734 | 0.00000 | 319537.6 | 114349.4 | 183122.1 | S |
| 51.108 | 0.0000 | 0.0000 | 84.658 | 0.14730 | 0.00000 | 319537.6 | 114353.9 | 183122.1 | S |
| 51.117 | 0.0000 | 0.0000 | 84.658 | 0.14726 | 0.00000 | 319537.6 | 114358.3 | 183122.1 | S |
| 51.125 | 0.0000 | 0.0000 | 84.658 | 0.14723 | 0.00000 | 319537.6 | 114362.7 | 183122.1 | S |
| 51.133 | 0.0000 | 0.0000 | 84.657 | 0.14719 | 0.00000 | 319537.6 | 114367.1 | 183122.1 | S |
| 51.142 | 0.0000 | 0.0000 | 84.657 | 0.14715 | 0.00000 | 319537.6 | 114371.5 | \$83122.1 | S |
| 51.150 | 0.0000 | 0.0000 | 84.656 | 0.14711 | 0.00000 | 319537.6 | 114375.9 | 183122.1 | S |
| 51.158 | 0.0000 | 0.0000 | 84.656 | 0.14707 | 0.00000 | 319537.6 | 114380.4 | 183122.1 | S |
| 51.167 | 0.0000 | 0.0000 | 84.656 | 0.14703 | 0.00000 | 319537.6 | 114384.8 | 183122.1 | S |
| 51.175 | 0.0000 | 0.0000 | 84.655 | 0.14699 | 0.00000 | 319537.6 | 114389.2 | 183122.1 | S |

# PONDS Version 3.2.0207 <br> Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E. 

Detailed Results (cont,d.) :: Scenario $1::$ pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate (f13/s) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative inflow Vofume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 51.183 | 0.0000 | 0.0000 | 84.655 | 0.14695 | 0.00000 | 319537.6 | 114393.6 | 183122.1 | S |
| 51.192 | 0.0000 | 0.0000 | 84.655 | 0.14691 | 0.00000 | 319537.6 | 114398.0 | 183122.1 | S |
| 51.200 | 0.0000 | 0.0000 | 84.654 | 0.14687 | 0.00000 | 319537.6 | 114402.4 | 183122.1 | S |
| 51.208 | 0.0000 | 0.0000 | 84.654 | 0.14683 | 0.00000 | 319537.6 | 114406.8 | 183122.1 | S |
| 51.217 | 0.0000 | 0.0000 | 84.653 | 0.14679 | 0.00000 | 319537.6 | 114411.2 | 183122.1 | S |
| 51.225 | 0.0000 | 0.0000 | 84.653 | 0.14675 | 0.00000 | 319537.6 | 114415.6 | 183122.1 | S |
| 51.233 | 0.0000 | 0.0000 | 84.653 | 0.14671 | 0.00000 | 319537.6 | 114420.0 | 183122.1 | S |
| 51.242 | 0.0000 | 0.0000 | 84.652 | 0.14667 | 0.00000 | 319537.6 | 114424.4 | 183122.1 | S |
| 51.250 | 0.0000 | 0.0000 | 84.652 | 0.14663 | 0.00000 | 319537.6 | 114428.8 | 183122.1 | S |
| 51.258 | 0.0000 | 0.0000 | 84.652 | 0.14659 | 0.00000 | 319537.6 | 114433.2 | 183122.1 | S |
| 51.267 | 0.0000 | 0.0000 | 84.651 | 0.14656 | 0.00000 | 319537.6 | 114437.6 | 183122.1 | S |
| 51.275 | 0.0000 | 0.0000 | 84.651 | 0.14652 | 0.00000 | 319537.6 | 114442.0 | 183122.1 | S |
| 51.283 | 0.0000 | 0.0000 | 84.651 | 0.14648 | 0.00000 | 319537.6 | 114446.4 | 183122.1 | S |
| 51.292 | 0.0000 | 0.0000 | 84.650 | 0.14644 | 0.00000 | 319537.6 | 114450.8 | 183122.1 | S |
| 51.300 | 0.0000 | 0.0000 | 84.650 | 0.14640 | 0.00000 | 319537.6 | 114455.2 | 183122.1 | S |
| 51.308 | 0.0000 | 0.0000 | 84.649 | 0.14636 | 0.00000 | 319537.6 | 114459.6 | 183122.1 | S |
| 51.317 | 0.0000 | 0.0000 | 84.649 | 0.14632 | 0.00000 | 319537.6 | 114464.0 | 183122.1 | S |
| 51.325 | 0.0000 | 0.0000 | 84.649 | 0.14628 | 0.00000 | 319537.6 | 114468.4 | 183122.1 | S |
| 51.333 | 0.0000 | 0.0000 | 84.648 | 0.14624 | 0.00000 | 319537.6 | 114472.7 | 183122.1 | S |
| 51.342 | 0.0000 | 0.0000 | 84.648 | 0.14620 | 0.00000 | 319537.6 | 114477.1 | 183122.1 | S |
| 51.350 | 0.0000 | 0.0000 | 84.648 | 0.14616 | 0.00000 | 319537.6 | 114481.5 | 183122.1 | S |
| 51.358 | 0.0000 | 0.0000 | 84.647 | 0.14612 | 0.00000 | 319537.6 | 114485.9 | 183122.1 | S |
| 51.367 | 0.0000 | 0.0000 | 84.647 | 0.14609 | 0.00000 | 319537.6 | 114490.3 | 183122.1 | S |
| 51.375 | 0.0000 | 0.0000 | 84.647 | 0.14605 | 0.00000 | 319537.6 | 114494.7 | 183122.1 | S |
| 51.383 | 0.0000 | 0.0000 | 84.646 | 0.14601 | 0.00000 | 319537.6 | 114499.0 | 183122.1 | S |
| 51.392 | 0.0000 | 0.0000 | 84.646 | 0.14597 | 0.00000 | 319537.6 | 114503.4 | 183122.1 | S |
| 51.400 | 0.0000 | 0.0000 | 84.645 | 0.14593 | 0.00000 | 319537.6 | 114507.8 | 183122.1 | S |
| 51.408 | 0.0000 | 0.0000 | 84.645 | 0.14589 | 0.00000 | 319537.6 | 114512.2 | 183122.1 | S |
| 51.417 | 0.0000 | 0.0000 | 84.645 | 0.14585 | 0.00000 | 319537.6 | 114516.6 | 183122.1 | S |
| 51.425 | 0.0000 | 0.0000 | 84.644 | 0.14581 | 0.00000 | 319537.6 | 114520.9 | 183122.1 | S |
| 51.433 | 0.0000 | 0.0000 | 84.644 | 0.14577 | 0.00000 | 319537.6 | 114525.3 | 183122.1 | S |
| 51.442 | 0.0000 | 0.0000 | 84.644 | 0.14573 | 0.00000 | 319537.6 | 114529.7 | 183122.1 | S |
| 51.450 | 0.0000 | 0.0000 | 84.643 | 0.14570 | 0.00000 | 319537.6 | 114534.1 | 183122.1 | S |
| 51.458 | 0.0000 | 0.0000 | 84.643 | 0.14566 | 0.00000 | 319537.6 | 114538.4 | 183122.1 | S |
| 51.467 | 0.0000 | 0.0000 | 84.643 | 0.14562 | 0.00000 | 319537.6 | 114542.8 | 183122.1 | S |
| 51.475 | 0.0000 | 0.0000 | 84.642 | 0.14558 | 0.00000 | 319537.6 | 114547.2 | 183122.1 | S |
| 51.483 | 0.0000 | 0.0000 | 84.642 | 0.14554 | 0.00000 | 319537.6 | 114551.5 | 183122.1 | S |
| 51.492 | 0.0000 | 0.0000 | 84.641 | 0.14550 | 0.00000 | 319537.6 | 114555.9 | 183122.1 | S |
| 51.500 | 0.0000 | 0.0000 | 84.641 | 0.14546 | 0.00000 | 319537.6 | 114560.3 | 183122.1 | S |
| 51.508 | 0.0000 | 0.0000 | 84.641 | 0.14542 | 0.00000 | 319537.6 | 114564.6 | 183122.1 | S |
| 51.517 | 0.0000 | 0.0000 | 84.640 | 0.14538 | 0.00000 | 319537.6 | 114569.0 | 183122.1 | S |
| 51.525 | 0.0000 | 0.0000 | 84.640 | 0.14535 | 0.00000 | 319537.6 | 114573.3 | 183122.1 | S |
| 51.533 | 0.0000 | 0.0000 | 84.640 | 0.14531 | 0.00000 | 319537.6 | 114577.7 | 183122.1 | S |
| 51.542 | 0.0000 | 0.0000 | 84.639 | 0.14527 | 0.00000 | 319537.6 | 114582.1 | 183122.1 | S |
| 51.550 | 0.0000 | 0.0000 | 84.639 | 0.14523 | 0.00000 | 319537.6 | 114586.4 | 183122.1 | S |
| 51.558 | 0.0000 | 0.0000 | 84.639 | 0.14519 | 0.00000 | 319537.6 | 114590.8 | 183122.1 | S |
| 51.567 | 0.0000 | 0.0000 | 84.638 | 0.14515 | 0.00000 | 319537.6 | 114595.1 | 183122.1 | S |
| 51.575 | 0.0000 | 0.0000 | 84.638 | 0.14511 | 0.00000 | 319537.6 | 114599.5 | 183122.1 | S |
| 51.583 | 0.0000 | 0.0000 | 84.637 | 0.14507 | 0.00000 | 319537.6 | 114603.8 | 183122.1 | S |
| 51.592 | 0.0000 | 0.0000 | 84.637 | 0.14504 | 0.00000 | 319537.6 | 114608.2 | 183122.1 | S |
| 51.600 | 0.0000 | 0.0000 | 84.637 | 0.14500 | 0.00000 | 319537.6 | 114612.5 | 183122.1 | S |
| 51.608 | 0.0000 | 0.0000 | 84.636 | 0.14496 | 0.00000 | 319537.6 | 114616.9 | 183122.1 | S |
| 51.617 | 0.0000 | 0.0000 | 84.636 | 0.14492 | 0.00000 | 319537.6 | 114621.2 | 183122.1 | S |
| 51.625 | 0.0000 | 0.0000 | 84.636 | 0.14488 | 0.00000 | 319537.6 | 114625.6 | 183122.1 | S |
| 51.633 | 0.0000 | 0.0000 | 84.635 | 0.14484 | 0.00000 | 319537.6 | 114629.9 | 183122.1 | S |
| 51.642 | 0.0000 | 0.0000 | 84.635 | 0.14480 | 0.00000 | 319537.6 | 114634.3 | \{83122.1 | S |
| 51.650 | 0.0000 | 0.0000 | 84.634 | 0.14477 | 0.00000 | 319537.6 | 114638.6 | 183122.1 | S |
| 51.658 | 0.0000 | 0.0000 | 84.634 | 0.14473 | 0.00000 | 319537.6 | 114643.0 | 183122.1 | S |
| 51.667 | 0.0000 | 0.0000 | 84.634 | 0.14469 | 0.00000 | 319537.6 | 114647.3 | 183122.1 | S |
| 51.675 | 0.0000 | 0.0000 | 84.633 | 0.14465 | 0.00000 | 319537.6 | 114651.6 | 183122.1 | S |
| 51.683 | 0.0000 | 0.0000 | 84.633 | 0.14461 | 0.00000 | 319537.6 | 114656.0 | 183122.1 | S |
| 51.692 | 0.0000 | 0.0000 | 84.633 | 0.14457 | 0.00000 | 319537.6 | 114660.3 | 183122.1 | S |
| 51.700 | 0.0000 | 0.0000 | 84.632 | 0.14453 | 0.00000 | 319537.6 | 114664.7 | 183122.1 | S |
| 51.708 | 0.0000 | 0.0000 | 84.632 | 0.14450 | 0.00000 | 319537.6 | \$14669.0 | 183122.1 | S |
| 51.717 | 0.0000 | 0.0000 | 84.632 | 0.14446 | 0.00000 | 319537.6 | 114673.3 | 183122.1 | S |
| 51.725 | 0.0000 | 0.0000 | 84.631 | 0.14442 | 0.00000 | 319537.6 | 114677.7 | 183122.1 | S |
| 51.733 | 0.0000 | 0.0000 | 84.631 | 0.14438 | 0.00000 | 319537.6 | 114682.0 | 183122.1 | S |
| 51.742 | 0.0000 | 0.0000 | 84.630 | 0.14434 | 0.00000 | 319537.6 | 114686.3 | 183122.1 | S |
| 51.750 | 0.0000 | 0.0000 | 84.630 | 0.14430 | 0.00000 | 319537.6 | 114690.6 | 183122.1 | S |
| 51.758 | 0.0000 | 0.0000 | 84.630 | 0.14426 | 0.00000 | 319537.6 | 114695.0 | 183122.1 | S |
| 51.767 | 0.0000 | 0.0000 | 84.629 | 0.14423 | 0.00000 | 319537.6 | 114699.3 | 183122.1 | S |
| 51.775 | 0.0000 | 0.0000 | 84.629 | 0.14419 | 0.00000 | 319537.6 | 114703.6 | 183122.1 | S |
| 51.783 | 0.0000 | 0.0000 | 84.629 | 0.14415 | 0.00000 | 319537.6 | 114708.0 | 183122.1 | S |
| 51.792 | 0.0000 | 0.0000 | 84.628 | 0.14411 | 0.00000 | 319537.6 | 114712.3 | 183ई22.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overfiow Discharge ( $\mathrm{H}^{3 / 3} \mathrm{~s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 51.800 | 0.0000 | 0.0000 | 84.628 | 0.14407 | 0.00000 | 319537.6 | 114716.6 | 183122.1 | S |
| 51.808 | 0.0000 | 0.0000 | 84.628 | 0.14403 | 0.00000 | 319537.6 | 114720.9 | 183122.1 | S |
| 51.817 | 0.0000 | 0.0000 | 84.627 | 0.14400 | 0.00000 | 319537.6 | 114725.2 | 183122.1 | S |
| 51.825 | 0.0000 | 0.0000 | 84.627 | 0.14396 | 0.00000 | 319537.6 | 114729.6 | 183122.1 | S |
| 51.833 | 0.0000 | 0.0000 | 84.627 | 0.14392 | 0.00000 | 319537.6 | 114733.9 | 183122.1 | S |
| 51.842 | 0.0000 | 0.0000 | 84.626 | 0.14388 | 0.00000 | 319537.6 | 114738.2 | 183122.1 | S |
| 51.850 | 0.0000 | 0.0000 | 84.626 | 0.14384 | 0.00000 | 319537.6 | 114742.5 | 183122.1 | S |
| 51.858 | 0.0000 | 0.0000 | 84.625 | 0.14381 | 0.00000 | 319537.6 | 114746.8 | 183122.1 | S |
| 51.867 | 0.0000 | 0.0000 | 84.625 | 0.14377 | 0.00000 | 319537.6 | 114751.1 | 183122.1 | S |
| 51.875 | 0.0000 | 0.0000 | 84.625 | 0.14373 | 0.00000 | 319537.6 | 114755.5 | 183122.1 | S |
| 51.883 | 0.0000 | 0.0000 | 84.624 | 0.14369 | 0.00000 | 319537.6 | 114759.8 | 183122.1 | S |
| 51.892 | 0.0000 | 0.0000 | 84.624 | 0.14365 | 0.00000 | 319537.6 | 114764.1 | 183122.1 | S |
| 51.900 | 0.0000 | 0.0000 | 84.624 | 0.14361 | 0.00000 | 319537.6 | 114768.4 | 183122.1 | S |
| 51,908 | 0.0000 | 0.0000 | 84.623 | 0.14358 | 0.00000 | 319537.6 | 114772.7 | 183122.1 | S |
| 51.917 | 0.0000 | 0.0000 | 84.623 | 0.14354 | 0.00000 | 319537.6 | 114777.0 | 183122.1 | S |
| 51.925 | 0.0000 | 0.0000 | 84.623 | 0.14350 | 0.00000 | 319537.6 | 114781.3 | 183122.1 | S |
| 51.933 | 0.0000 | 0.0000 | 84.622 | 0.14346 | 0.00000 | 319537.6 | 114785.6 | 183122.1 | S |
| 51.942 | 0.0000 | 0.0000 | 84.622 | 0.14342 | 0.00000 | 319537.6 | 114789.9 | 183122.7 | S |
| 51.950 | 0.0000 | 0.0000 | 84.621 | 0.14339 | 0.00000 | 319537.6 | 114794.2 | 183122.1 | S |
| 51.958 | 0.0000 | 0.0000 | 84.621 | 0.14335 | 0.00000 | 319537.6 | 114798.5 | 183122.1 | S |
| 51.967 | 0.0000 | 0.0000 | 84.621 | 0.14331 | 0.00000 | 319537.6 | 114802.8 | 183122.1 | S |
| 51.975 | 0.0000 | 0.0000 | 84.620 | 0.14327 | 0.00000 | 319537.6 | 114807.1 | 183122.1 | S |
| 51.983 | 0.0000 | 0.0000 | 84.620 | 0.14323 | 0.00000 | 319537.6 | 114811.4 | 183122.1 | S |
| 51.992 | 0.0000 | 0.0000 | 84.620 | 0.14320 | 0.00000 | 319537.6 | 114815.7 | 183122.1 | S |
| 52.000 | 0.0000 | 0.0000 | 84.619 | 0.14316 | 0.00000 | 319537.6 | 114820.0 | 183122.4 | S |
| 52.008 | 0.0000 | 0.0000 | 84.619 | 0.14312 | 0.00000 | 319537.6 | 114824.3 | 183122.1 | S |
| 52.017 | 0.0000 | 0.0000 | 84.619 | 0.14308 | 0.00000 | 319537.6 | 114828.6 | 183122.1 | S |
| 52.025 | 0.0000 | 0.0000 | 84.618 | 0.14304 | 0.00000 | 319537.6 | 114832.9 | 183122.1 | S |
| 52.033 | 0.0000 | 0.0000 | 84.618 | 0.14301 | 0.00000 | 319537.6 | 114837.2 | 183122.1 | S |
| 52.042 | 0.0000 | 0.0000 | 84.617 | 0.14297 | 0.00000 | 319537.6 | 114841.5 | 183122.1 | S |
| 52.050 | 0.0000 | 0.0000 | 84.617 | 0.14293 | 0.00000 | 319537.6 | 114845.8 | 183122.1 | S |
| 52.058 | 0.0000 | 0.0000 | 84.617 | 0.14289 | 0.00000 | 319537.6 | 114850.0 | 183122.1 | S |
| 52.067 | 0.0000 | 0.0000 | 84.616 | 0.14285 | 0.00000 | 319537.6 | 114854.3 | 183122.1 | S |
| 52.075 | 0.0000 | 0.0000 | 84.616 | 0.14282 | 0.00000 | 319537.6 | 114858.6 | 183122.1 | S |
| 52.083 | 0.0000 | 0.0000 | 84.616 | 0.14278 | 0.00000 | 319537.6 | 114862.9 | 183122.1 | S |
| 52.092 | 0.0000 | 0.0000 | 84.615 | 0.14274 | 0.00000 | 319537.6 | 114867.2 | 183122.1 | S |
| 52.100 | 0.0000 | 0.0000 | 84.615 | 0.14270 | 0.00000 | 319537.6 | 114871.5 | $183\} 22.1$ | S |
| 52.108 | 0.0000 | 0.0000 | 84.615 | 0.14267 | 0.00000 | 319537.6 | 114875.7 | 183122.1 | S |
| 52.117 | 0.0000 | 0.0000 | 84.614 | 0.14263 | 0.00000 | 319537.6 | 114880.0 | 183122.1 | S |
| 52.125 | 0.0000 | 0.0000 | 84.614 | 0.14259 | 0.00000 | 319537.6 | 114884.3 | 183122.1 | S |
| 52.133 | 0.0000 | 0.0000 | 84.613 | 0.14255 | 0.00000 | 319537.6 | 114888.6 | 183122.1 | S |
| 52.142 | 0.0000 | 0.0000 | 84.613 | 0.14251 | 0.00000 | 319537.6 | 114892.9 | 183122.1 | S |
| 52.150 | 0.0000 | 0.0000 | 84.613 | 0.14248 | 0.00000 | 319537.6 | 114897.1 | 183122.1 | S |
| 52.158 | 0.0000 | 0.0000 | 84.612 | 0.14244 | 0.00000 | 319537.6 | 114901.4 | 183922.1 | S |
| 52.167 | 0.0000 | 0.0000 | 84.612 | 0.14240 | 0.00000 | 319537.6 | 114905.7 | 183122.1 | S |
| 52.175 | 0.0000 | 0.0000 | 84.612 | 0.14236 | 0.00000 | 319537.6 | 114909.9 | 183122.1 | S |
| 52.183 | 0.0000 | 0.0000 | 84.611 | 0.14233 | 0.00000 | 319537.6 | 114914.2 | 183122.1 | S |
| 52.192 | 0.0000 | 0.0000 | 84.611 | 0.14229 | 0.00000 | 319537.6 | 114918.5 | 183122.1 | S |
| 52.200 | 0.0000 | 0.0000 | 84.611 | 0.14225 | 0.00000 | 319537.6 | 114922.8 | 183122.1 | S |
| 52.208 | 0.0000 | 0.0000 | 84.610 | 0.14221 | 0.00000 | 319537.6 | 114927.0 | 183122.1 | S |
| 52.217 | 0.0000 | 0.0000 | 84.610 | 0.14218 | 0.00000 | 319537.6 | 114931.3 | 183122.1 | S |
| 52.225 | 0.0000 | 0.0000 | 84.610 | 0.14214 | 0.00000 | 319537.6 | 114935.5 | 183122.1 | S |
| 52.233 | 0.0000 | 0.0000 | 84.609 | 0.14210 | 0.00000 | 319537.6 | 114939.8 | 183122.1 | S |
| 52.242 | 0.0000 | 0.0000 | 84.609 | 0.14206 | 0.00000 | 319537.6 | 114944.1 | 183122.1 | S |
| 52.250 | 0.0000 | 0.0000 | 84.608 | 0.14203 | 0.00000 | 319537.6 | 114948.3 | 183122.1 | S |
| 52.258 | 0.0000 | 0.0000 | 84.608 | 0.14199 | 0.00000 | 319537.6 | 114952.6 | 183122.1 | S |
| 52.267 | 0.0000 | 0.0000 | 84.608 | 0.14195 | 0.00000 | 319537.6 | 114956.9 | 183122.1 | S |
| 52.275 | 0.0000 | 0.0000 | 84.607 | 0.14191 | 0.00000 | 319537.6 | 11496 ¢. ¢ | 183122.1 | S |
| 52.283 | 0.0000 | 0.0000 | 84.607 | 0.14188 | 0.00000 | 319537.6 | 114965.4 | 183122.1 | S |
| 52.292 | 0.0000 | 0.0000 | 84.607 | 0.14184 | 0.00000 | 319537.6 | 114969.6 | 183122.1 | S |
| 52.300 | 0.0000 | 0.0000 | 84.606 | 0.14180 | 0.00000 | 319537.6 | 114973.9 | 183122.1 | S |
| 52.308 | 0.0000 | 0.0000 | 84.606 | 0.14176 | 0.00000 | 319537.6 | 114978.1 | 183122.1 | S |
| 52.317 | 0.0000 | 0.0000 | 84.606 | 0.14173 | 0.00000 | 319537.6 | 114982.4 | 183122.1 | S |
| 52.325 | 0.0000 | 0.0000 | 84.605 | 0.14169 | 0.00000 | 319537.6 | 114986.6 | 183122.1 | S |
| 52.333 | 0.0000 | 0.0000 | 84.605 | 0.14165 | 0.00000 | 319537.6 | 114990.9 | 183122.1 | S |
| 52.342 | 0.0000 | 0.0000 | 84.604 | 0.14161 | 0.00000 | 319537.6 | 114995.1 | 183122.1 | S |
| 52.350 | 0.0000 | 0.0000 | 84.604 | 0.14158 | 0.00000 | 319537.6 | 114999.4 | 183122.1 | S |
| 52.358 | 0.0000 | 0.0000 | 84.604 | 0.14154 | 0.00000 | 319537.6 | 115003.6 | 183122.1 | S |
| 52.367 | 0.0000 | 0.0000 | 84.603 | 0.14150 | 0.00000 | 319537.6 | 115007.9 | 183122.1 | S |
| 52.375 | 0.0000 | 0.0000 | 84.603 | 0.14146 | 0.00000 | 319537.6 | 115012.1 | 183122.1 | S |
| 52.383 | 0.0000 | 0.0000 | 84.603 | 0.14143 | 0.00000 | 319537.6 | 115016.4 | 183122.1 | S |
| 52.392 | 0.0000 | 0.0000 | 84.602 | 0.14139 | 0.00000 | 319537.6 | 115020.6 | 183122.1 | S |
| 52.400 | 0.0000 | 0.0000 | 84.602 | 0.14135 | 0.00000 | 319537.6 | 115024.9 | 183122.1 | S |
| 52.408 | 0.0000 | 0.0000 | 84.602 | 0.14131 | 0.00000 | 319537.6 | 115029.1 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 52.417 | 0.0000 | 0.0000 | 84.601 | 0.14128 | 0.00000 | 319537.6 | 115033.3 | 183122.1 | S |
| 52.425 | 0.0000 | 0.0000 | 84.601 | 0.14124 | 0.00000 | 319537.6 | 115037.6 | 183122.1 | S |
| 52.433 | 0.0000 | 0.0000 | 84.601 | 0.14120 | 0.00000 | 319537.6 | 115041.8 | 183122.1 | S |
| 52.442 | 0.0000 | 0.0000 | 84.600 | 0.14117 | 0.00000 | 319537.6 | 115046.0 | 183122.1 | S |
| 52.450 | 0.0000 | 0.0000 | 84.600 | 0.14113 | 0.00000 | 319537.6 | 115050.3 | 183122.1 | S |
| 52.458 | 0.0000 | 0.0000 | 84.599 | 0.14109 | 0.00000 | 319537.6 | 115054.5 | 183122.1 | S |
| 52.467 | 0.0000 | 0.0000 | 84.599 | 0.14105 | 0.00000 | 319537.6 | 115058.7 | 183122.1 | S |
| 52.475 | 0.0000 | 0.0000 | 84.599 | 0.14102 | 0.00000 | 319537.6 | 115063.0 | 183122.1 | S |
| 52.483 | 0.0000 | 0.0000 | 84.598 | 0.14098 | 0.00000 | 319537.6 | 115067.2 | 183122.1 | S |
| 52.492 | 0.0000 | 0.0000 | 84.598 | 0.14094 | 0.00000 | 319537.6 | 115071.4 | 183122.1 | S |
| 52.500 | 0.0000 | 0.0000 | 84.598 | 0.14091 | 0.00000 | 319537.6 | 115075.7 | 183122.1 | S |
| 52.508 | 0.0000 | 0.0000 | 84.597 | 0.14087 | 0.00000 | 319537.6 | 115079.9 | 183122.1 | S |
| 52.517 | 0.0000 | 0.0000 | 84.597 | 0.14083 | 0.00000 | 319537.6 | 115084.1 | 183122.1 | S |
| 52.525 | 0.0000 | 0.0000 | 84.597 | 0.14079 | 0.00000 | 319537.6 | 115088.3 | 183122.1 | S |
| 52.533 | 0.0000 | 0.0000 | 84.596 | 0.14076 | 0.00000 | 319537.6 | 115092.6 | 183122.1 | S |
| 52.542 | 0.0000 | 0.0000 | 84.596 | 0.14072 | 0.00000 | 319537.6 | 115096.8 | 183122.1 | S |
| 52.550 | 0.0000 | 0.0000 | 84.595 | 0.14068 | 0.00000 | 319537.6 | 115101.0 | 183122.1 | S |
| 52.558 | 0.0000 | 0.0000 | 84.595 | 0.14065 | 0.00000 | 319537.6 | 115105.2 | 183122.1 | S |
| 52.567 | 0.0000 | 0.0000 | 84.595 | 0.14061 | 0.00000 | 319537.6 | 115109.4 | 183122.1 | S |
| 52.575 | 0.0000 | 0.0000 | 84.594 | 0.14057 | 0.00000 | 319537.6 | \$15113.7 | 183122.1 | S |
| 52.583 | 0.0000 | 0.0000 | 84.594 | 0.14053 | 0.00000 | 319537.6 | 115117.9 | 183122.1 | S |
| 52.592 | 0.0000 | 0.0000 | 84.594 | 0.14050 | 0.00000 | 319537.6 | 115122.1 | 183122.1 | S |
| 52.600 | 0.0000 | 0.0000 | 84.593 | 0.14046 | 0.00000 | 319537.6 | 115126.3 | 183122.1 | S |
| 52.608 | 0.0000 | 0.0000 | 84.593 | 0.14042 | 0.00000 | 319537.6 | 115130.5 | 183122.1 | S |
| 52.617 | 0.0000 | 0.0000 | 84.593 | 0.14039 | 0.00000 | 319537.6 | 115134.7 | 183122.1 | S |
| 52.625 | 0.0000 | 0.0000 | 84.592 | 0.14035 | 0.00000 | 319537.6 | 115138.9 | 183122.1 | S |
| 52.633 | 0.0000 | 0.0000 | 84.592 | 0.14031 | 0.00000 | 319537.6 | 115143.1 | 183122.1 | S |
| 52.642 | 0.0000 | 0.0000 | 84.592 | 0.14028 | 0.00000 | 319537.6 | 115147.4 | 183122.1 | S |
| 52.650 | 0.0000 | 0.0000 | 84.591 | 0.14024 | 0.00000 | 319537.6 | 115151.6 | 183122.1 | S |
| 52.658 | 0.0000 | 0.0000 | 84.591 | 0.14020 | 0.00000 | 319537.6 | 115155.8 | 183122.1 | S |
| 52.667 | 0.0000 | 0.0000 | 84.590 | 0.14017 | 0.00000 | 319537.6 | 115160.0 | 183122.1 | S |
| 52.675 | 0.0000 | 0.0000 | 84.590 | 0.14013 | 0.00000 | 319537.6 | 115164.2 | 183122.1 | S |
| 52.683 | 0.0000 | 0.0000 | 84.590 | 0.14009 | 0.00000 | 319537.6 | 115168.4 | 183122.1 | S |
| 52.692 | 0.0000 | 0.0000 | 84.589 | 0.14006 | 0.00000 | 319537.6 | 115172.6 | 183122.1 | S |
| 52.700 | 0.0000 | 0.0000 | 84.589 | 0.14002 | 0.00000 | 319537.6 | 115176.8 | 183122.1 | S |
| 52.708 | 0.0000 | 0.0000 | 84.589 | 0.13998 | 0.00000 | 319537.6 | 115181.0 | 183122.1 | S |
| 52.717 | 0.0000 | 0.0000 | 84.588 | 0.13994 | 0.00000 | 319537.6 | 115185.2 | 183122.1 | S |
| 52.725 | 0.0000 | 0.0000 | 84.588 | 0.13991 | 0.00000 | 319537.6 | 115189.4 | 183122.1 | 5 |
| 52.733 | 0.0000 | 0.0000 | 84.588 | 0.13987 | 0.00000 | 319537.6 | 115193.6 | 183122.1 | S |
| 52.742 | 0.0000 | 0.0000 | 84.587 | 0.13983 | 0.00000 | 319537.6 | 115197.8 | 183122.1 | S |
| 52.750 | 0.0000 | 0.0000 | 84.587 | 0.13980 | 0.00000 | 319537.6 | 115202.0 | 183122.1 | S |
| 52.758 | 0.0000 | 0.0000 | 84.587 | 0.73976 | 0.00000 | 319537.6 | 115206.2 | 183122.1 | S |
| 52.767 | 0.0000 | 0.0000 | 84.588 | 0.13972 | 0.00000 | 319537.6 | 115210.4 | 183722.1 | S |
| 52.775 | 0.0000 | 0.0000 | 84.586 | 0.13969 | 0.00000 | 319537.6 | 115214.5 | 183122.1 | S |
| 52.783 | 0.0000 | 0.0000 | 84.585 | 0.13965 | 0.00000 | 319537.6 | 115218.7 | 183122.1 | S |
| 52.792 | 0.0000 | 0.0000 | 84.585 | 0.13961 | 0.00000 | 319537.6 | 115222.9 | 183122.1 | S |
| 52.800 | 0.0000 | 0.0000 | 84.585 | 0.13958 | 0.00000 | 319537.6 | 115227.1 | 183122.1 | S |
| 52.808 | 0.0000 | 0.0000 | 84.584 | 0.13954 | 0.00000 | 319537.6 | 115231.3 | 183122.1 | S |
| 52.817 | 0.0000 | 0.0000 | 84.584 | 0.13950 | 0.00000 | 319537.6 | 115235.5 | 183122.1 | S |
| 52.825 | 0.0000 | 0.0000 | 84.584 | 0.13947 | 0.00000 | 319537.6 | 115239.7 | 183122.1 | S |
| 52.833 | 0.0000 | 0.0000 | 84.583 | 0.13943 | 0.00000 | 319537.6 | 115243.9 | 183122.1 | S |
| 52.842 | 0.0000 | 0.0000 | 84.583 | 0.13939 | 0.00000 | 319537.6 | 115248.0 | 183122.1 | 5 |
| 52.850 | 0.0000 | 0.0000 | 84.583 | 0.13936 | 0.00000 | 319537.6 | 115252.2 | 183122.1 | S |
| 52.858 | 0.0000 | 0.0000 | 84.582 | 0.13932 | 0.00000 | 319537.6 | 115256.4 | 183122.1 | S |
| 52.867 | 0.0000 | 0.0000 | 84.582 | 0.13929 | 0.00000 | 319537.6 | 115260.6 | 183122.1 | S |
| 52.875 | 0.0000 | 0.0000 | 84.582 | 0.13925 | 0.00000 | 319537.6 | 115264.8 | 183122.1 | S |
| 52.883 | 0.0000 | 0.0000 | 84.581 | 0.13921 | 0.00000 | 319537.6 | 115268.9 | 183122.1 | S |
| 52.892 | 0.0000 | 0.0000 | 84.581 | 0.13918 | 0.00000 | 319537.6 | 115273.1 | 183122.1 | S |
| 52.900 | 0.0000 | 0.0000 | 84.580 | 0.13914 | 0.00000 | 319537.6 | 115277.3 | 183122.1 | S |
| 52.908 | 0.0000 | 0.0000 | 84.580 | 0.13910 | 0.00000 | 319537.6 | 115281.5 | 183122.1 | S |
| 52.917 | 0.0000 | 0.0000 | 84.580 | 0.13907 | 0.00000 | 319537.6 | 115285.6 | 183122.1 | S |
| 52.925 | 0.0000 | 0.0000 | 84.579 | 0.13903 | 0.00000 | 319537.6 | 115289.8 | 183122.1 | S |
| 52.933 | 0.0000 | 0.0000 | 84.579 | 0.13899 | 0.00000 | 319537.6 | 115294.0 | 183122.1 | S |
| 52.942 | 0.0000 | 0.0000 | 84.579 | 0.13896 | 0.00000 | 319537.6 | 115298.1 | 183122.1 | S |
| 52.950 | 0.0000 | 0.0000 | 84.578 | 0.13892 | 0.00000 | 319537.6 | 115302.3 | 183122.1 | S |
| 52.958 | 0.0000 | 0.0000 | 84.578 | 0.13888 | 0.00000 | 319537.6 | 115306.5 | 183122.1 | S |
| 52.967 | 0.0000 | 0.0000 | 84.578 | 0.13885 | 0.00000 | 319537.6 | 115310.6 | 183122.1 | S |
| 52.975 | 0.0000 | 0.0000 | 84.577 | 0.13881 | 0.00000 | 319537.6 | 115314.8 | 183122.1 | S |
| 52.983 | 0.0000 | 0.0000 | 84.577 | 0.13878 | 0.00000 | 319537.6 | 115319.0 | 183122.1 | S |
| 52.992 | 0.0000 | 0.0000 | 84.577 | 0.13874 | 0.00000 | 319537.6 | 115323.1 | 183122.1 | S |
| 53.000 | 0.0000 | 0.0000 | 84.576 | 0.13870 | 0.00000 | 319537.6 | \$15327.3 | 183122.1 | S |
| 53.008 | 0.0000 | 0.0000 | 84.576 | 0.13867 | 0.00000 | 319537.6 | 115331.5 | 183122.1 | S |
| 53.017 | 0.0000 | 0.0000 | 84.575 | 0.13863 | 0.00000 | 319537.6 | 115335.6 | 183122.1 | S |
| 53.025 | 0.0000 | 0.0000 | 84.575 | 0.13859 | 0.00000 | 319537.6 | 115338.8 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr $/ 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (fiday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / 5}$ ) | Overflow Discharge ( $\mathrm{H}^{3 / 5}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infilitration Volume $\left(\mathrm{ft}^{3}\right)$ | Cumulative <br> Discharge <br> Volume ( $\mathrm{t}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 53.033 | 0.0000 | 0.0000 | 84.575 | 0.13856 | 0.00000 | 319537.6 | 115343.9 | 183122.1 | S |
| 53.042 | 0.0000 | 0.0000 | 84.574 | 0.13852 | 0.00000 | 319537.6 | 115348.1 | 183122.1 | S |
| 53.050 | 0.0000 | 0.0000 | 84.574 | 0.13849 | 0.00000 | 319537.6 | 115352.2 | 183122.1 | S |
| 53.058 | 0.0000 | 0.0000 | 84.574 | 0.13845 | 0.00000 | 319537.6 | 115356.4 | 183122.1 | S |
| 53.067 | 0.0000 | 0.0000 | 84.573 | 0.13841 | 0.00000 | 319537.6 | 115360.5 | 183122.1 | S |
| 53.075 | 0.0000 | 0.0000 | 84.573 | 0.13838 | 0.00000 | 319537.6 | 115364.7 | 183122.1 | S |
| 53.083 | 0.0000 | 0.0000 | 84.573 | 0.13834 | 0.00000 | 319537.6 | 115368.9 | 183122.1 | S |
| 53.092 | 0.0000 | 0.0000 | 84.572 | 0.13830 | 0.00000 | 319537.6 | 115373.0 | 183122.1 | S |
| 53.100 | 0.0000 | 0.0000 | 84.572 | 0.13827 | 0.00000 | 319537.6 | 115377.1 | 183122.1 | S |
| 53.108 | 0.0000 | 0.0000 | 84.572 | 0.13823 | 0.00000 | 319537.6 | 115381.3 | 183122.1 | S |
| 53.117 | 0.0000 | 0.0000 | 84.571 | 0.13820 | 0.00000 | 319537.6 | 115385.4 | 183122.1 | S |
| 53.125 | 0.0000 | 0.0000 | 84.571 | 0.13816 | 0.00000 | 319537.6 | 115389.6 | 183122.1 | S |
| 53.133 | 0.0000 | 0.0000 | 84.571 | 0.13812 | 0.00000 | 319537.6 | 115393.7 | 183122.1 | S |
| 53.142 | 0.0000 | 0.0000 | 84.570 | 0.13809 | 0.00000 | 319537.6 | 115397.9 | 183122.1 | S |
| 53.150 | 0.0000 | 0.0000 | 84.570 | 0.13805 | 0.00000 | 319537.6 | 115402.0 | 183122.1 | S |
| 53.158 | 0.0000 | 0.0000 | 84.569 | 0.13802 | 0.00000 | 319537.6 | 115406.2 | 183122.1 | S |
| 53.167 | 0.0000 | 0.0000 | 84.569 | 0.13798 | 0.00000 | 319537.6 | 115410.3 | 183122.1 | S |
| 53.175 | 0.0000 | 0.0000 | 84.569 | 0.13794 | 0.00000 | 319537.6 | 115414.4 | 183122.1 | S |
| 53.183 | 0.0000 | 0.0000 | 84.568 | 0.13791 | 0.00000 | 319537.6 | 115418.6 | 183122.1 | S |
| 53.192 | 0.0000 | 0.0000 | 84.568 | 0.13787 | 0.00000 | 319537.6 | 115422.7 | 183122.1 | S |
| 53.200 | 0.0000 | 0.0000 | 84.568 | 0.13784 | 0.00000 | 319537.6 | 115426.8 | 183122.1 | S |
| 53.208 | 0.0000 | 0.0000 | 84.567 | 0.13780 | 0.00000 | 319537.6 | 115431.0 | 183122.1 | S |
| 53.217 | 0.0000 | 0.0000 | 84.567 | 0.13776 | 0.00000 | 319537.6 | 115435.1 | 183122.1 | S |
| 53.225 | 0.0000 | 0.0000 | 84.567 | 0.13773 | 0.00000 | 319537.6 | 115439.3 | 183122.1 | S |
| 53.233 | 0.0000 | 0.0000 | 84.566 | 0.13769 | 0.00000 | 319537.6 | 115443.4 | 183122.1 | S |
| 53.242 | 0.0000 | 0.0000 | 84.566 | 0.13766 | 0.00000 | 319537.6 | 115447.5 | 183122.1 | S |
| 53.250 | 0.0000 | 0.0000 | 84.566 | 0.13762 | 0.00000 | $3 \uparrow 9537.6$ | 115451.6 | 183122.1 | S |
| 53.258 | 0.0000 | 0.0000 | 84.565 | 0.13758 | 0.00000 | 319537.6 | 115455.8 | 183122.1 | S |
| 53.267 | 0.0000 | 0.0000 | 84.565 | 0.13755 | 0.00000 | 319537.6 | 115459.9 | 183122.1 | S |
| 53.275 | 0.0000 | 0.0000 | 84.564 | 0.13751 | 0.00000 | 319537.6 | 115464.0 | 183122.1 | S |
| 53.283 | 0.0000 | 0.0000 | 84.564 | 0.13748 | 0.00000 | 319537.6 | 115468.1 | 183122.1 | S |
| 53.292 | 0.0000 | 0.0000 | 84.564 | 0.13744 | 0.00000 | 319537.6 | 115472.3 | 183122.1 | S |
| 53.300 | 0.0000 | 0.0000 | 84.563 | 0.13740 | 0.00000 | 319537.6 | 115476.4 | 183122.1 | S |
| 53.308 | 0.0000 | 0.0000 | 84.563 | 0.13737 | 0.00000 | 319537.6 | 115480.5 | 183122.1 | S |
| 53.317 | 0.0000 | 0.0000 | 84.563 | 0.13733 | 0.00000 | 319537.6 | 115484.6 | 183122.1 | S |
| 53.325 | 0.0000 | 0.0000 | 84.562 | 0.13730 | 0.00000 | 319537.6 | 115488.8 | 183122.4 | S |
| 53.333 | 0.0000 | 0.0000 | 84.562 | 0.13726 | 0.00000 | 319537.6 | 115492.9 | 183122.1 | S |
| 53.342 | 0.0000 | 0.0000 | 84.562 | 0.13723 | 0.00000 | 319537.6 | 115497.0 | 183122.1 | S |
| 53.350 | 0.0000 | 0.0000 | 84.561 | 0.13719 | 0.00000 | 319537.6 | 115501.1 | 183122.1 | S |
| 53.358 | 0.0000 | 0.0000 | 84.561 | 0.13715 | 0.00000 | 319537.6 | 115505.2 | 183122.1 | S |
| 53.367 | 0.0000 | 0.0000 | 84.561 | 0.13712 | 0.00000 | 319537.6 | 115509.3 | 183122.1 | S |
| 53.375 | 0.0000 | 0.0000 | 84.560 | 0.13708 | 0.00000 | 319537.6 | 115513.4 | 183122.1 | S |
| 53.383 | 0.0000 | 0.0000 | 84.560 | 0.13705 | 0.00000 | 319537.6 | 115517.6 | 183122.1 | S |
| 53.392 | 0.0000 | 0.0000 | 84.560 | 0.13701 | 0.00000 | 319537.6 | 115521.7 | 183122.1 | S |
| 53.400 | 0.0000 | 0.0000 | 84.559 | 0.13698 | 0.00000 | 319537.6 | 115525.8 | 183122.1 | S |
| 53.408 | 0.0000 | 0.0000 | 84.559 | 0.13694 | 0.00000 | 319537.6 | 115529.9 | 183122.1 | S |
| 53.417 | 0.0000 | 0.0000 | 84.558 | 0.13690 | 0.00000 | 319537.6 | 115534.0 | 183122.1 | S |
| 53.425 | 0.0000 | 0.0000 | 84.558 | 0.13687 | 0.00000 | 319537.6 | 115538.1 | \$83122.1 | S |
| 53.433 | 0.0000 | 0.0000 | 84.558 | 0.13683 | 0.00000 | 319537.6 | 115542.2 | 183122.1 | S |
| 53.442 | 0.0000 | 0.0000 | 84.557 | 0.13680 | 0.00000 | 319537.6 | 115546.3 | 183122.1 | S |
| 53.450 | 0.0000 | 0.0000 | 84.557 | 0.13676 | 0.00000 | 319537.6 | 115550.4 | 183122.1 | S |
| 53.458 | 0.0000 | 0.0000 | 84.557 | 0.13673 | 0.00000 | 319537.6 | 115554.5 | 183122.1 | S |
| 53.467 | 0.0000 | 0.0000 | 84.556 | 0.13669 | 0.00000 | 319537.6 | 115558.6 | 183122.1 | S |
| 53.475 | 0.0000 | 0.0000 | 84.556 | 0.13666 | 0.00000 | 319537.6 | 115562.7 | 183122.1 | S |
| 53.483 | 0.0000 | 0.0000 | 84.556 | 0.13662 | 0.00000 | 319537.6 | 115566.8 | 183122.1 | S |
| 53.492 | 0.0000 | 0.0000 | 84.555 | 0.13658 | 0.00000 | 319537.6 | 115570.9 | 183122.1 | S |
| 53.500 | 0.0000 | 0.0000 | 84.555 | 0.13655 | 0.00000 | 319537.6 | 115575.0 | 183122.1 | S |
| 53.508 | 0.0000 | 0.0000 | 84.555 | 0.13651 | 0.00000 | 319537.6 | 115579.1 | 183122.1 | S |
| 53.517 | 0.0000 | 0.0000 | 84.554 | 0.13648 | 0.00000 | 319537.6 | 115583.2 | 183122.1 | S |
| 53.525 | 0.0000 | 0.0000 | 84.554 | 0.13644 | 0.00000 | 319537.6 | 115587.3 | 183122.1 | S |
| 53.533 | 0.0000 | 0.0000 | 84.554 | 0.13641 | 0.00000 | 319537.6 | 115591.4 | 183122.1 | S |
| 53.542 | 0.0000 | 0.0000 | 84.553 | 0.13637 | 0.00000 | 319537.6 | 115595.5 | 183122.1 | S |
| 53.550 | 0.0000 | 0.0000 | 84.553 | 0.13634 | 0.00000 | 319537.6 | 115599.6 | 183122.1 | S |
| 53.558 | 0.0000 | 0.0000 | 84.552 | 0.13630 | 0.00000 | 319537.6 | 115603.7 | 183122.1 | S |
| 53.567 | 0.0000 | 0.0000 | 84.552 | 0.13627 | 0.00000 | 319537.6 | 115607.8 | 183122.1 | S |
| 53.575 | 0.0000 | 0.0000 | 84.552 | 0.13623 | 0.00000 | 319537.6 | 115611.8 | 183122.1 | S |
| 53.583 | 0.0000 | 0.0000 | 84.551 | 0.13619 | 0.00000 | 319537.6 | 115615.9 | 183122.1 | S |
| 53.592 | 0.0000 | 0.0000 | 84.551 | 0.13616 | 0.00000 | 319537.6 | 115620.0 | 183122.1 | S |
| 53.600 | 0.0000 | 0.0000 | 84.551 | 0.13612 | 0.00000 | 319537.6 | 115624.1 | 183122.1 | S |
| 53.608 | 0.0000 | 0.0000 | 84.550 | 0.13609 | 0.00000 | 319537.6 | \$15628.2 | 183122.1 | S |
| 53.617 | 0.0000 | 0.0000 | 84.550 | 0.13605 | 0.00000 | 319537.6 | 115632.3 | $183\{22.1$ | S |
| 53.625 | 0.0000 | 0.0000 | 84.550 | 0.13602 | 0.00000 | 319537.6 | 115636.3 | 183122.1 | S |
| 53.633 | 0.0000 | 0.0000 | 84.549 | 0.13598 | 0.00000 | 319537.6 | 115640.4 | 183122.1 | S |
| 53.642 | 0.0000 | 0.0000 | 84.549 | 0.13595 | 0.00000 | 319537.6 | 115644.5 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) $::$ Scenario $1::$ pond10 100 yr $/ 24$ Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (fl datum) | Infiltration Rate ( $\mathrm{H}^{3 / 1} \mathrm{~s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume (ft ${ }^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ff}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 53.650 | 0.0000 | 0.0000 | 84.549 | 0.13591 | 0.00000 | 319537.6 | 115648.6 | 183122.1 | S |
| 53.658 | 0.0000 | 0.0000 | 84.548 | 0.13588 | 0.00000 | 319537.6 | 115652.7 | 183122.1 | S |
| 53.667 | 0.0000 | 0.0000 | 84.548 | 0.13584 | 0.00000 | 319537.6 | 115656.7 | 183122.1 | S |
| 53.675 | 0.0000 | 0.0000 | 84.548 | 0.13581 | 0.00000 | 319537.6 | 115660.8 | 183122.1 | S |
| 53.683 | 0.0000 | 0.0000 | 84.547 | 0.13577 | 0.00000 | 319537.6 | 115664.9 | 183122.1 | S |
| 53.692 | 0.0000 | 0.0000 | 84.547 | 0.13574 | 0.00000 | 319537.6 | 115669.0 | 183122.1 | S |
| 53.700 | 0.0000 | 0.0000 | 84.546 | 0.13570 | 0.00000 | 319537.6 | 115673.0 | 183122.1 | S |
| 53.708 | 0.0000 | 0.0000 | 84.546 | 0.13567 | 0.00000 | 319537.6 | 115677.1 | 183122.1 | S |
| 53.717 | 0.0000 | 0.0000 | 84.546 | 0.13563 | 0.00000 | 319537.6 | 115681.2 | 183122.1 | S |
| 53.725 | 0.0000 | 0.0000 | 84.545 | 0.13559 | 0.00000 | 319537.6 | 115685.2 | 183122.1 | S |
| 53.733 | 0.0000 | 0.0000 | 84.545 | 0.13556 | 0.00000 | 319537.6 | 115689.3 | 183122.1 | S |
| 53.742 | 0.0000 | 0.0000 | 84.545 | 0.13552 | 0.00000 | 319537.6 | 115693.4 | 183122.1 | S |
| 53.750 | 0.0000 | 0.0000 | 84.544 | 0.13549 | 0.00000 | 319537.6 | 115697.4 | 183122.1 | S |
| 53.758 | 0.0000 | 0.0000 | 84.544 | 0.13545 | 0.00000 | 319537.6 | 115701.5 | 183122.1 | S |
| 53.767 | 0.0000 | 0.0000 | 84.544 | 0.13542 | 0.00000 | 319537.6 | 115705.6 | 183122.4 | S |
| 53.775 | 0.0000 | 0.0000 | 84.543 | 0.13538 | 0.00000 | 319537.6 | 115709.6 | 183122.1 | S |
| 53.783 | 0.0000 | 0.0000 | 84.543 | 0.13535 | 0.00000 | 319537.6 | 115713.7 | 183122.1 | S |
| 53.792 | 0.0000 | 0.0000 | 84.543 | 0.13531 | 0.00000 | 319537.6 | 115717.7 | 183122.1 | S |
| 53.800 | 0.0000 | 0.0000 | 84.542 | 0.13528 | 0.00000 | 319537.6 | 115721.8 | 183122.1 | S |
| 53.808 | 0.0000 | 0.0000 | 84.542 | 0.13524 | 0.00000 | 319537.6 | 115725.9 | 183122.1 | S |
| 53.817 | 0.0000 | 0.0000 | 84.542 | 0.13521 | 0.00000 | 319537.6 | 115729.9 | 183122.1 | S |
| 53.825 | 0.0000 | 0.0000 | 84.541 | 0.13517 | 0.00000 | 319537.6 | 115734.0 | 183122.1 | S |
| 53.833 | 0.0000 | 0.0000 | 84.541 | 0.13514 | 0.00000 | 319537.6 | 115738.0 | 183122.1 | S |
| 53.842 | 0.0000 | 0.0000 | 84.541 | 0.13510 | 0.00000 | 319537.6 | 115742.1 | 183122.1 | S |
| 53.850 | 0.0000 | 0.0000 | 84.540 | 0.13507 | 0.00000 | 319537.6 | 115746.1 | 183122.1 | S |
| 53.858 | 0.0000 | 0.0000 | 84.540 | 0.13503 | 0.00000 | 319537.6 | 115750.2 | 183122.1 | S |
| 53.867 | 0.0000 | 0.0000 | 84.539 | 0.13500 | 0.00000 | 319537.6 | 115754.2 | 183122.1 | S |
| 53.875 | 0.0000 | 0.0000 | 84.539 | 0.13496 | 0.00000 | 319537.6 | 115758.3 | 183122.1 | S |
| 53.883 | 0.0000 | 0.0000 | 84.539 | 0.13493 | 0.00000 | 319537.6 | 115762.3 | 183122.1 | S |
| 53.892 | 0.0000 | 0.0000 | 84.538 | 0.13489 | 0.00000 | 319537.6 | 115766.4 | 183122.1 | S |
| 53.900 | 0.0000 | 0.0000 | 84.538 | 0.13486 | 0.00000 | 319537.6 | 115770.4 | 183122.1 | S |
| 53.908 | 0.0000 | 0.0000 | 84.538 | 0.13482 | 0.00000 | 319537.6 | 115774.5 | 183122.1 | S |
| 53.917 | 0.0000 | 0.0000 | 84.537 | 0.13479 | 0.00000 | 319537.6 | 115778.5 | 183122.1 | S |
| 53.925 | 0.0000 | 0.0000 | 84.537 | 0.13475 | 0.00000 | 319537.6 | 115782.6 | 183122.1 | S |
| 53.933 | 0.0000 | 0.0000 | 84.537 | 0.13472 | 0.00000 | 319537.6 | 115786.6 | 183122.1 | S |
| 53.942 | 0.0000 | 0.0000 | 84.536 | 0.13469 | 0.00000 | 319537.6 | 115790.6 | 183122.1 | S |
| 53.950 | 0.0000 | 0.0000 | 84.536 | 0.13465 | 0.00000 | 319537.6 | 115794.7 | 183122.1 | S |
| 53.958 | 0.0000 | 0.0000 | 84.536 | 0.13462 | 0.00000 | 319537.6 | \$15798.7 | 183122.1 | S |
| 53.967 | 0.0000 | 0.0000 | 84.535 | 0.13458 | 0.00000 | 319537.6 | 115802.8 | 183122.1 | S |
| 53.975 | 0.0000 | 0.0000 | 84.535 | 0.13455 | 0.00000 | 319537.6 | 115806.8 | 183122.1 | S |
| 53.983 | 0.0000 | 0.0000 | 84.535 | 0.13451 | 0.00000 | 319537.6 | 115810.8 | 183122.1 | S |
| 53.992 | 0.0000 | 0.0000 | 84.534 | 0.13448 | 0.00000 | 319537.6 | 115814.9 | $\ddagger 83122.1$ | S |
| 54.000 | 0.0000 | 0.0000 | 84.534 | 0.13444 | 0.00000 | 319537.6 | 115818.9 | 183122.1 | S |
| 54.008 | 0.0000 | 0.0000 | 84.533 | 0.13441 | 0.00000 | 319537.6 | 115822.9 | 183122.1 | S |
| 54.017 | 0.0000 | 0.0000 | 84.533 | 0.13437 | 0.00000 | 319537.6 | 115827.0 | 183122.1 | S |
| 54.025 | 0.0000 | 0.0000 | 84.533 | 0.13434 | 0.00000 | 319537.6 | 115831.0 | 183122.1 | S |
| 54.033 | 0.0000 | 0.0000 | 84.532 | 0.13430 | 0.00000 | 319537.6 | 115835.0 | 183122.1 | S |
| 54.042 | 0.0000 | 0.0000 | 84.532 | 0.13427 | 0.00000 | 319537.6 | 115839.1 | 183122.1 | S |
| 54.050 | 0.0000 | 0.0000 | 84.532 | 0.13423 | 0.00000 | 319537.6 | 115843.1 | 183122.1 | S |
| 54.058 | 0.0000 | 0.0000 | 84.531 | 0.13420 | 0.00000 | 319537.6 | 115847.1 | 183122.1 | S |
| 54.067 | 0.0000 | 0.0000 | 84.531 | 0.13416 | 0.00000 | 319537.6 | 115851.1 | 183122.1 | S |
| 54.075 | 0.0000 | 0.0000 | 84.531 | 0.13413 | 0.00000 | 319537.6 | 115855.2 | 183122.1 | S |
| 54.083 | 0.0000 | 0.0000 | 84.530 | 0.13409 | 0.00000 | 319537.6 | 115859.2 | 183122.1 | S |
| 54.092 | 0.0000 | 0.0000 | 84.530 | 0.13406 | 0.00000 | 319537.6 | 115863.2 | 183122.1 | S |
| 54.100 | 0.0000 | 0.0000 | 84.530 | 0.13403 | 0.00000 | 319537.6 | 115867.2 | 183122.1 | S |
| 54.108 | 0.0000 | 0.0000 | 84.529 | 0.13399 | 0.00000 | 319537.6 | 115871.2 | \$83122.1 | S |
| 54.117 | 0.0000 | 0.0000 | 84.529 | 0.13396 | 0.00000 | 319537.6 | 115875.3 | 183122.1 | S |
| 54.125 | 0.0000 | 0.0000 | 84.529 | 0.13392 | 0.00000 | 319537.6 | 115879.3 | 183122.1 | S |
| 54.133 | 0.0000 | 0.0000 | 84.528 | 0.13389 | 0.00000 | 319537.6 | 115883.3 | 183122.1 | S |
| 54.142 | 0.0000 | 0.0000 | 84.528 | 0.13385 | 0.00000 | 319537.6 | 115887.3 | 183122.1 | S |
| 54.150 | 0.0000 | 0.0000 | 84.528 | 0.13382 | 0.00000 | 319537.6 | 115891.3 | 183122.1 | S |
| 54.158 | 0.0000 | 0.0000 | 84.527 | 0.13378 | 0.00000 | 319537.6 | 115895.3 | 183122.1 | S |
| 54.167 | 0.0000 | 0.0000 | 84.527 | 0.13375 | 0.00000 | 319537.6 | 115899.4 | 183122.1 | S |
| 54.175 | 0.0000 | 0.0000 | 84.527 | 0.13371 | 0.00000 | 319537.6 | 115903.4 | 183122.1 | S |
| 54.183 | 0.0000 | 0.0000 | 84.526 | 0.13368 | 0.00000 | 319537.6 | 115907.4 | 183122.1 | S |
| 54.192 | 0.0000 | 0.0000 | 84.526 | 0.13365 | 0.00000 | 319537.6 | 115911.4 | 183122.1 | S |
| 54.200 | 0.0000 | 0.0000 | 84.525 | 0.13361 | 0.00000 | 319537.6 | 115915.4 | 183122.1 | S |
| 54.208 | 0.0000 | 0.0000 | 84.525 | 0.13358 | 0.00000 | 319537.6 | 115919.4 | 183122.1 | S |
| 54.217 | 0.0000 | 0.0000 | 84.525 | 0.13354 | 0.00000 | 319537.6 | 115923.4 | 183122.1 | S |
| 54.225 | 0.0000 | 0.0000 | 84.524 | 0.13351 | 0.00000 | 319537.6 | 115927.4 | 183122.1 | S |
| 54.233 | 0.0000 | 0.0000 | 84.524 | 0.13347 | 0.00000 | 319537.6 | 115931.4 | 183122.1 | S |
| 54.242 | 0.0000 | 0.0000 | 84.524 | 0.13344 | 0.00000 | 319537.6 | 115935.4 | 183122.1 | S |
| 54.250 | 0.0000 | 0.0000 | 84.523 | 0.13341 | 0.00000 | 319537.6 | 115939.4 | 183122.1 | S |
| 54.258 | 0.0000 | 0.0000 | 84.523 | 0.13337 | 0.00000 | 319537.6 | 115943.4 | 183722.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario $1::$ pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $f^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | $\begin{aligned} & \text { Cumulative } \\ & \text { Inflow } \\ & \text { Volume }\left(\mathrm{ff}^{3}\right) \end{aligned}$ | Cumułative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 54.267 | 0.0000 | 0.0000 | 84.523 | 0.13334 | 0.00000 | 319537.6 | 115947.4 | 183122.1 | S |
| 54.275 | 0.0000 | 0.0000 | 84.522 | 0.13330 | 0.00000 | 319537.6 | 115951.4 | 183122.1 | S |
| 54.283 | 0.0000 | 0.0000 | 84.522 | 0.13327 | 0.00000 | 319537.6 | 115955.4 | 183122.1 | S |
| 54.292 | 0.0000 | 0.0000 | 84.522 | 0.13323 | 0.00000 | 319537.6 | 115959.4 | 183122.1 | S |
| 54.300 | 0.0000 | 0.0000 | 84.521 | 0.13320 | 0.00000 | 319537.6 | 115963.4 | 183122.1 | S |
| 54.308 | 0.0000 | 0.0000 | 84.521 | 0.13316 | 0.00000 | 319537.6 | 115967.4 | $183 \ddagger 22.1$ | S |
| 54.317 | 0.0000 | 0.0000 | 84.521 | 0.13313 | 0.00000 | 319537.6 | 115971.4 | 183122.1 | S |
| 54.325 | 0.0000 | 0.0000 | 84.520 | 0.13310 | 0.00000 | 319537.6 | 115975.4 | 183122.1 | S |
| 54.333 | 0.0000 | 0.0000 | 84.520 | 0.13306 | 0.00000 | 319537.6 | 115979.4 | 183122.1 | S |
| 54.342 | 0.0000 | 0.0000 | 84.520 | 0.13303 | 0.00000 | 319537.6 | 115983.4 | 183122.1 | S |
| 54.350 | 0.0000 | 0.0000 | 84.519 | 0.13299 | 0.00000 | 319537.6 | 115987.4 | 183122.1 | S |
| 54.358 | 0.0000 | 0.0000 | 84.519 | 0.13296 | 0.00000 | 319537.6 | 115991.4 | 183122.1 | S |
| 54.367 | 0.0000 | 0.0000 | 84.518 | 0.13293 | 0.00000 | 319537.6 | 115995.4 | 183122.1 | S |
| 54.375 | 0.0000 | 0.0000 | 84.518 | 0.13289 | 0.00000 | 319537.6 | 115999.3 | 183122.1 | S |
| 54.383 | 0.0000 | 0.0000 | 84.518 | 0.13286 | 0.00000 | 319537.6 | 116003.3 | 183122.1 | S |
| 54.392 | 0.0000 | 0.0000 | 84.517 | 0.13282 | 0.00000 | 319537.6 | 116007.3 | 183122.1 | S |
| 54.400 | 0.0000 | 0.0000 | 84.517 | 0.13279 | 0.00000 | 319537.6 | 116011.3 | 183122.1 | S |
| 54.408 | 0.0000 | 0.0000 | 84.517 | 0.13275 | 0.00000 | 319537.6 | 116015.3 | 183122.1 | S |
| 54.417 | 0.0000 | 0.0000 | 84.516 | 0.13272 | 0.00000 | 319537.6 | 116019.3 | ¢83122.1 | S |
| 54.425 | 0.0000 | 0.0000 | 84.516 | 0.13269 | 0.00000 | 319537.6 | 116023.3 | 183122.1 | S |
| 54.433 | 0.0000 | 0.0000 | 84.516 | 0.13265 | 0.00000 | 319537.6 | 116027.2 | 183122.1 | S |
| 54.442 | 0.0000 | 0.0000 | 84.515 | 0.13262 | 0.00000 | 319537.6 | 116031.2 | 183122.1 | S |
| 54.450 | 0.0000 | 0.0000 | 84.515 | 0.13258 | 0.00000 | 319537.6 | 116035.2 | 183122.1 | S |
| 54.458 | 0.0000 | 0.0000 | 84.515 | 0.13255 | 0.00000 | 319537.6 | 116039.2 | 183122.1 | S |
| 54.467 | 0.0000 | 0.0000 | 84.514 | 0.13252 | 0.00000 | 319537.6 | 116043.1 | 183122.1 | S |
| 54.475 | 0.0000 | 0.0000 | 84.514 | 0.13248 | 0.00000 | 319537.6 | 116047.1 | 183122.1 | S |
| 54.483 | 0.0000 | 0.0000 | 84.514 | 0.13245 | 0.00000 | 319537.6 | 116051.1 | 183122.1 | S |
| 54.492 | 0.0000 | 0.0000 | 84.513 | 0.13241 | 0.00000 | 319537.6 | 116055.1 | 183122.1 | S |
| 54.500 | 0.0000 | 0.0000 | 84.513 | 0.13238 | 0.00000 | 319537.6 | 116059.0 | 183122.1 | S |
| 54.508 | 0.0000 | 0.0000 | 84.513 | 0.13235 | 0.00000 | 319537.6 | 116063.0 | 183122.1 | S |
| 54.517 | 0.0000 | 0.0000 | 84.512 | 0.13231 | 0.00000 | 319537.6 | 116067.0 | 183122.1 | S |
| 54.525 | 0.0000 | 0.0000 | 84.512 | 0.13228 | 0.00000 | 319537.6 | 116070.9 | 183122.1 | S |
| 54.533 | 0.0000 | 0.0000 | 84.512 | 0.13224 | 0.00000 | 319537.6 | 116074.9 | 183122.1 | S |
| 54.542 | 0.0000 | 0.0000 | 84.511 | 0.13221 | 0.00000 | 319537.6 | 116078.9 | 183122.1 | S |
| 54.550 | 0.0000 | 0.0000 | 84.511 | 0.13218 | 0.00000 | 319537.6 | 116082.8 | 183122.1 | S |
| 54.558 | 0.0000 | 0.0000 | 84.511 | 0.13214 | 0.00000 | 319537.6 | 116086.8 | 183122.1 | S |
| 54.567 | 0.0000 | 0.0000 | 84.510 | 0.13211 | 0.00000 | 319537.6 | 116090.8 | 183122.1 | S |
| 54.575 | 0.0000 | 0.0000 | 84.510 | 0.13207 | 0.00000 | 319537.6 | 116094.7 | 183122.1 | S |
| 54.583 | 0.0000 | 0.0000 | 84.509 | 0.13204 | 0.00000 | 319537.6 | 116098.7 | 183122.1 | S |
| 54.592 | 0.0000 | 0.0000 | 84.509 | 0.13201 | 0.00000 | 319537.6 | 116102.7 | 183122.1 | S |
| 54.600 | 0.0000 | 0.0000 | 84.509 | 0.13197 | 0.00000 | 319537.6 | 116106.6 | $\uparrow 83122.1$ | S |
| 54.608 | 0.0000 | 0.0000 | 84.508 | 0.13194 | 0.00000 | 319537.6 | 116110.6 | \$83122.1 | S |
| 54.617 | 0.0000 | 0.0000 | 84.508 | 0.13190 | 0.00000 | 319537.6 | 116114.5 | 183122.1 | S |
| 54.625 | 0.0000 | 0.0000 | 84.508 | 0.13187 | 0.00000 | 319537.6 | 116118.5 | 183122.1 | S |
| 54.633 | 0.0000 | 0.0000 | 84.507 | 0.13184 | 0.00000 | 319537.6 | 116122.4 | 183122.1 | S |
| 54.642 | 0.0000 | 0.0000 | 84.507 | 0.13180 | 0.00000 | 319537.6 | 116126.4 | 183122.1 | S |
| 54.650 | 0.0000 | 0.0000 | 84.507 | 0.13177 | 0.00000 | 319537.6 | 116130.4 | 183122.4 | S |
| 54.658 | 0.0000 | 0.0000 | 84.506 | 0.13174 | 0.00000 | 319537.6 | 116134.3 | 183122.1 | S |
| 54.667 | 0.0000 | 0.0000 | 84.506 | 0.13170 | 0.00000 | 319537.6 | 116138.3 | 183122.1 | S |
| 54.675 | 0.0000 | 0.0000 | 84.506 | 0.13167 | 0.00000 | 319537.6 | 116142.2 | 183122.1 | S |
| 54.683 | 0.0000 | 0.0000 | 84.505 | 0.13163 | 0.00000 | 319537.6 | 116146.2 | 183122.1 | S |
| 54.692 | 0.0000 | 0.0000 | 84.505 | 0.13160 | 0.00000 | 319537.6 | 116150.1 | 183122.1 | S |
| 54.700 | 0.0000 | 0.0000 | 84.505 | 0.13157 | 0.00000 | 319537.6 | 116154.1 | 183122.1 | S |
| 54.708 | 0.0000 | 0.0000 | 84.504 | 0.13153 | 0.00000 | 319537.6 | 116158.0 | 183122.1 | S |
| 54.717 | 0.0000 | 0.0000 | 84.504 | 0.13150 | 0.00000 | 319537.6 | 116161.9 | $\ddagger 83722.1$ | S |
| 54.725 | 0.0000 | 0.0000 | 84.504 | 0.13147 | 0.00000 | 319537.6 | 116165.9 | 183122.1 | S |
| 54.733 | 0.0000 | 0.0000 | 84.503 | 0.13143 | 0.00000 | 319537.6 | 116169.8 | 183122.1 | S |
| 54.742 | 0.0000 | 0.0000 | 84.503 | 0.13140 | 0.00000 | 319537.6 | 116173.8 | 183122.1 | S |
| 54.750 | 0.0000 | 0.0000 | 84.503 | 0.13137 | 0.00000 | 319537.6 | 116177.7 | 183122.1 | S |
| 54.758 | 0.0000 | 0.0000 | 84.502 | 0.13133 | 0.00000 | 319537.6 | 116181.7 | 183122.1 | S |
| 54.767 | 0.0000 | 0.0000 | 84.502 | 0.13130 | 0.00000 | 319537.6 | 116185.6 | 183122.1 | S |
| 54.775 | 0.0000 | 0.0000 | 84.502 | 0.13126 | 0.00000 | 319537.6 | 116189.5 | 183122.1 | S |
| 54.783 | 0.0000 | 0.0000 | 84.501 | 0.13123 | 0.00000 | 319537.6 | 116193.5 | 183122.1 | S |
| 54.792 | 0.0000 | 0.0000 | 84.501 | 0.13120 | 0.00000 | 319537.6 | 116197.4 | 183122.1 | S |
| 54.800 | 0.0000 | 0.0000 | 84.500 | 0.13116 | 0.00000 | 319537.6 | 116201.3 | 183122.1 | S |
| 54.808 | 0.0000 | 0.0000 | 84.500 | 0.13113 | 0.00000 | 319537.6 | 116205.3 | 183122.1 | S |
| 54.817 | 0.0000 | 0.0000 | 84.500 | 0.13110 | 0.00000 | 319537.6 | 116209.2 | 183122.1 | S |
| 54.825 | 0.0000 | 0.0000 | 84.499 | 0.13106 | 0.00000 | 319537.6 | 116213.1 | 183122.1 | S |
| 54.833 | 0.0000 | 0.0000 | 84.499 | 0.13103 | 0.00000 | 319537.6 | 116217.1 | \{83122.1 | S |
| 54.842 | 0.0000 | 0.0000 | 84.499 | 0.13100 | 0.00000 | 319537.6 | 116221.0 | 183122.1 | S |
| 54.850 | 0.0000 | 0.0000 | 84.498 | 0.13096 | 0.00000 | 319537.6 | 116224.9 | 183122.1 | S |
| 54.858 | 0.0000 | 0.0000 | 84.498 | 0.13093 | 0.00000 | 319537.6 | 116228.9 | 183122.1 | S |
| 54.867 | 0.0000 | 0.0000 | 84.498 | 0.13090 | 0.00000 | 319537.6 | 116232.8 | 183122.1 | S |
| 54.875 | 0.0000 | 0.0000 | 84.497 | 0.13086 | 0.00000 | 319537.6 | 116236.7 | 183122.1 | S |

PONDS Version 3.2.0207

# Retention Pond Recovery - Refined Method <br> Copyright 2003 

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}} \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiliration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{fl}^{3 / \mathrm{s}}$ ) | Cumulative inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{h}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | $\begin{aligned} & \text { Flow } \\ & \text { Type } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 54.883 | 0.0000 | 0.0000 | 84.497 | 0.13083 | 0.00000 | 319537.6 | 116240.6 | 183122.1 | S |
| 54.892 | 0.0000 | 0.0000 | 84.497 | 0.13080 | 0.00000 | 319537.6 | 116244.6 | 183122.1 | S |
| 54.900 | 0.0000 | 0.0000 | 84.496 | 0.13076 | 0.00000 | 319537.6 | 116248.5 | 183122.1 | S |
| 54.908 | 0.0000 | 0.0000 | 84.496 | 0.13073 | 0.00000 | 319537.6 | 116252.4 | 183122.1 | S |
| 54.917 | 0.0000 | 0.0000 | 84.496 | 0.13069 | 0.00000 | 319537.6 | 116256.3 | $183\{22.1$ | S |
| 54.925 | 0.0000 | 0.0000 | 84.495 | 0.13066 | 0.00000 | 319537.6 | 116260.3 | 183122.1 | S |
| 54.933 | 0.0000 | 0.0000 | 84.495 | 0.13063 | 0.00000 | 319537.6 | 116264.2 | 183122.1 | S |
| 54.942 | 0.0000 | 0.0000 | 84.495 | 0.13059 | 0.00000 | 319537.6 | 116268.1 | 183122.1 | S |
| 54.950 | 0.0000 | 0.0000 | 84.494 | 0.13056 | 0.00000 | 319537.6 | 116272.0 | 183122.1 | S |
| 54.958 | 0.0000 | 0.0000 | 84.494 | 0.13053 | 0,00000 | 319537.6 | 116275.9 | 183122.1 | S |
| 54.967 | 0.0000 | 0.0000 | 84.494 | 0.13049 | 0.00000 | 319537.6 | 116279.8 | 183122.1 | S |
| 54.975 | 0.0000 | 0.0000 | 84.493 | 0.13046 | 0.00000 | 319537.6 | 116283.8 | 183122.1 | S |
| 54.983 | 0.0000 | 0.0000 | 84.493 | 0.13043 | 0.00000 | 319537.6 | 116287.7 | 183122.1 | S |
| 54.992 | 0.0000 | 0.0000 | 84.493 | 0.13039 | 0.00000 | 319537.6 | 116291.6 | 183122.1 | S |
| 55.000 | 0.0000 | 0.0000 | 84.492 | 0.13036 | 0.00000 | 319537.6 | 116295.5 | 183122.1 | S |
| 55.008 | 0.0000 | 0.0000 | 84.492 | 0.13033 | 0.00000 | 319537.6 | 116299.4 | 183122. ${ }^{\text {. }}$ | S |
| 55.017 | 0.0000 | 0.0000 | 84.491 | 0.13029 | 0.00000 | 319537.6 | 116303.3 | 183122.1 | S |
| 55.025 | 0.0000 | 0.0000 | 84.491 | 0.13026 | 0.00000 | 319537.6 | 116307.2 | 183122.1 | S |
| 55.033 | 0.0000 | 0.0000 | 84.491 | 0.13023 | 0.00000 | 319537.6 | 116311.1 | 183122.1 | S |
| 55.042 | 0.0000 | 0.0000 | 84.490 | 0.13020 | 0.00000 | 319537.6 | 116315.0 | 183122.1 | S |
| 55.050 | 0.0000 | 0.0000 | 84.490 | 0.13016 | 0.00000 | 319537.6 | 116318.9 | 183122.1 | S |
| 55.058 | 0.0000 | 0.0000 | 84.490 | 0.13013 | 0.00000 | 319537.6 | 116322.8 | 183122.1 | S |
| 55.067 | 0.0000 | 0.0000 | 84.489 | 0.13010 | 0.00000 | 319537.6 | 116326.7 | 183122.1 | S |
| 55.075 | 0.0000 | 0.0000 | 84.489 | 0.13006 | 0.00000 | 319537.6 | 116330.6 | 183122.1 | S |
| 55.083 | 0.0000 | 0.0000 | 84.489 | 0.13003 | 0.00000 | 319537.6 | 116334.5 | 183122.1 | S |
| 55.092 | 0.0000 | 0.0000 | 84.488 | 0.13000 | 0.00000 | 319537.6 | 116338.5 | 183122.1 | S |
| 55.100 | 0.0000 | 0.0000 | 84.488 | 0.12996 | 0.00000 | 319537.6 | 116342.4 | 183122.1 | S |
| 55.108 | 0.0000 | 0.0000 | 84.488 | 0.12993 | 0.00000 | 319537.6 | 116346.3 | 183122.1 | S |
| 55.117 | 0.0000 | 0.0000 | 84.487 | 0.12990 | 0.00000 | 319537.6 | 116350.1 | 183122.1 | S |
| 55.125 | 0.0000 | 0.0000 | 84.487 | 0.12986 | 0.00000 | 319537.6 | 116354.0 | 183122.1 | S |
| 55.133 | 0.0000 | 0.0000 | 84.487 | 0.12983 | 0.00000 | 319537.6 | 116357.9 | $\ddagger 83122.1$ | S |
| 55.142 | 0.0000 | 0.0000 | 84.486 | 0.12980 | 0.00000 | 319537.6 | 116361.8 | 183122.1 | S |
| 55.150 | 0.0000 | 0.0000 | 84.486 | 0.12976 | 0.00000 | 319537.6 | 116365.7 | 183122.1 | S |
| 55.158 | 0.0000 | 0.0000 | 84.486 | 0.12973 | 0.00000 | 319537.6 | 116369.6 | 183122.1 | S |
| 55.167 | 0.0000 | 0.0000 | 84.485 | 0.12970 | 0.00000 | 319537.6 | 116373.5 | 183122.1 | S |
| 55.175 | 0.0000 | 0.0000 | 84.485 | 0.12967 | 0.00000 | 319537.6 | 116377.4 | 183122.1 | S |
| 55.183 | 0.0000 | 0.0000 | 84.485 | 0.12963 | 0.00000 | 319537.6 | 116381.3 | 183122.1 | S |
| 55.192 | 0.0000 | 0.0000 | 84.484 | 0.12960 | 0.00000 | 319537.6 | 116385.2 | 183122.1 | S |
| 55.200 | 0.0000 | 0.0000 | 84.484 | 0.12957 | 0.00000 | 319537.6 | 116389.1 | 183122.1 | S |
| 55.208 | 0.0000 | 0.0000 | 84.484 | 0.12953 | 0.00000 | 319537.6 | 116393.0 | 183122.1 | S |
| 55.217 | 0.0000 | 0.0000 | 84.483 | 0.12950 | 0.00000 | 319537.6 | 116396.8 | 183122.1 | S |
| 55.225 | 0.0000 | 0.0000 | 84.483 | 0.12947 | 0.00000 | 319537.6 | 116400.7 | 183122.1 | S |
| 55.233 | 0.0000 | 0.0000 | 84.483 | 0.12943 | 0.00000 | 319537.6 | 116404.6 | 183122.1 | S |
| 55.242 | 0.0000 | 0.0000 | 84.482 | 0.12940 | 0.00000 | 319537.6 | 116408.5 | 183122.1 | S |
| 55.250 | 0.0000 | 0.0000 | 84.482 | 0.12937 | 0.00000 | 319537.6 | 116412.4 | 183122.1 | S |
| 55.258 | 0.0000 | 0.0000 | 84.482 | 0.12934 | 0.00000 | 319537.6 | 116416.3 | 183122.1 | S |
| 55.267 | 0.0000 | 0.0000 | 84.481 | 0.12930 | 0.00000 | 319537.6 | 116420.1 | 183122.1 | S |
| 55.275 | 0.0000 | 0.0000 | 84.481 | 0.12927 | 0.00000 | 319537.6 | 116424.0 | 183122.1 | S |
| 55.283 | 0.0000 | 0.0000 | 84.481 | 0.12924 | 0.00000 | 319537.6 | 116427.9 | 183122.1 | S |
| 55.292 | 0.0000 | 0.0000 | 84.480 | 0.12920 | 0.00000 | 319537.6 | 116431.8 | 183122.1 | S |
| 55.300 | 0.0000 | 0.0000 | 84.480 | 0.12917 | 0.00000 | 319537.6 | 116435.6 | 183122.1 | S |
| 55.308 | 0.0000 | 0.0000 | 84.479 | 0.12914 | 0.00000 | 319537.6 | 116439.5 | 183122.1 | S |
| 55.317 | 0.0000 | 0.0000 | 84.479 | 0.12911 | 0.00000 | 319537.6 | 116443.4 | 183122.1 | S |
| 55.325 | 0.0000 | 0.0000 | 84.479 | 0.12907 | 0.00000 | 319537.6 | 116447.3 | 183122.1 | S |
| 55.333 | 0.0000 | 0.0000 | 84.478 | 0.12904 | 0.00000 | 319537.6 | 116451.1 | 183122.1 | S |
| 55.342 | 0.0000 | 0.0000 | 84.478 | 0.12901 | 0.00000 | 319537.6 | 116455.0 | 183122.1 | S |
| 55.350 | 0.0000 | 0.0000 | 84.478 | 0.12897 | 0.00000 | 319537.6 | 116458.9 | 183122.1 | S |
| 55.358 | 0.0000 | 0.0000 | 84.477 | 0.12894 | 0.00000 | 319537.6 | 116462.7 | 183122.1 | S |
| 55.367 | 0.0000 | 0.0000 | 84.477 | 0.12891 | 0.00000 | 319537.6 | 116466.6 | 183122.1 | S |
| 55.375 | 0.0000 | 0.0000 | 84.477 | 0.12888 | 0.00000 | 319537.6 | 116470.5 | 183122.1 | S |
| 55.383 | 0.0000 | 0.0000 | 84.476 | 0.12884 | 0.00000 | 319537.6 | 116474.3 | 183122.1 | S |
| 55.392 | 0.0000 | 0.0000 | 84.476 | 0.12881 | 0.00000 | 319537.6 | 116478.2 | 183122.1 | S |
| 55.400 | 0.0000 | 0.0000 | 84.476 | 0.12878 | 0.00000 | 319537.6 | 116482.1 | 183122.1 | S |
| 55.408 | 0.0000 | 0.0000 | 84.475 | 0.12874 | 0.00000 | 319537.6 | 116485.9 | 183122.1 | S |
| 55.417 | 0.0000 | 0.0000 | 84.475 | 0.12871 | 0.00000 | 319537.6 | 116489.8 | 183122.1 | S |
| 55.425 | 0.0000 | 0.0000 | 84.475 | 0.12868 | 0.00000 | 319537.6 | 116493.7 | 183122.1 | S |
| 55.433 | 0.0000 | 0.0000 | 84.474 | 0.12865 | 0.00000 | 319537.6 | 116497.5 | 183122.1 | S |
| 55.442 | 0.0000 | 0.0000 | 84.474 | 0.12861 | 0.00000 | 319537.6 | 116501.4 | 183122.1 | S |
| 55.450 | 0.0000 | 0.0000 | 84.474 | 0.12858 | 0.00000 | 319537.6 | 116505.2 | 183122.1 | S |
| 55.458 | 0.0000 | 0.0000 | 84.473 | 0.12855 | 0.00000 | 319537.6 | 116509.1 | 183122.1 | S |
| 55.467 | 0.0000 | 0.0000 | 84.473 | 0.12852 | 0.00000 | 319537.6 | 116512.9 | 183122.1 | S |
| 55.475 | 0.0000 | 0.0000 | 84.473 | 0.12848 | 0.00000 | 319537.6 | 116516.8 | 183122.1 | S |
| 55.483 | 0.0000 | 0.0000 | 84.472 | 0.12845 | 0.00000 | 319537.6 | 116520.6 | 183122.1 | S |
| 55.492 | 0.0000 | 0.0000 | 84.472 | 0.12842 | 0.00000 | 319537.6 | 116524.5 | 183122.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 /} / \mathrm{s}$ ) | Outside Recharge (fifday) | Stage Elevation (fl datum) | Infiltration Rate (ft ${ }^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / 3}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 55.500 | 0.0000 | 0.0000 | 84.472 | 0.12839 | 0.00000 | 319537.6 | 116528.4 | 183122.1 | S |
| 55.508 | 0.0000 | 0.0000 | 84.471 | 0.12835 | 0.00000 | 319537.6 | 116532.2 | 183122.1 | S |
| 55.517 | 0.0000 | 0.0000 | 84.471 | 0.12832 | 0.00000 | 319537.6 | 116536.1 | 183122.1 | S |
| 55.525 | 0.0000 | 0.0000 | 84.471 | 0.12829 | 0.00000 | 319537.6 | 116539.9 | 183122.1 | S |
| 55.533 | 0.0000 | 0.0000 | 84.470 | 0.12826 | 0.00000 | 319537.6 | 116543.8 | 183122.1 | S |
| 55.542 | 0.0000 | 0.0000 | 84.470 | 0.12822 | 0.00000 | 319537.6 | 116547.6 | 183122.1 | S |
| 55.550 | 0.0000 | 0.0000 | 84.470 | 0.12819 | 0.00000 | 319537.6 | 116551.4 | 183122.1 | S |
| 55.558 | 0.0000 | 0.0000 | 84.469 | 0.12816 | 0.00000 | 319537.6 | 116555.3 | 183122.1 | S |
| 55.567 | 0.0000 | 0.0000 | 84.469 | 0.12813 | 0.00000 | 319537.6 | 116559.1 | 183122.1 | S |
| 55.575 | 0.0000 | 0.0000 | 84.469 | 0.12809 | 0.00000 | 319537.6 | 116563.0 | 183122.1 | S |
| 55.583 | 0.0000 | 0.0000 | 84.468 | 0.12806 | 0.00000 | 319537.6 | 116566.8 | 183122.1 | S |
| 55.592 | 0.0000 | 0.0000 | 84.468 | 0.12803 | 0.00000 | 319537.6 | 116570.7 | 183122.1 | S |
| 55.600 | 0.0000 | 0.0000 | 84.468 | 0.12800 | 0.00000 | 319537.6 | 116574.5 | 183122.1 | S |
| 55.608 | 0.0000 | 0.0000 | 84.467 | 0.12796 | 0.00000 | 319537.6 | 116578.3 | 183122.1 | S |
| 55.617 | 0.0000 | 0.0000 | 84.467 | 0.12793 | 0.00000 | 319537.6 | 116582.2 | 183122.1 | S |
| 55.625 | 0.0000 | 0.0000 | 84.466 | 0.12790 | 0.00000 | 319537.6 | \$16586.0 | 183122.1 | S |
| 55.633 | 0.0000 | 0.0000 | 84.466 | 0.12787 | 0.00000 | 319537.6 | 116589.9 | 183122.1 | S |
| 55.642 | 0.0000 | 0.0000 | 84.466 | 0.12783 | 0.00000 | 319537.6 | 116593.7 | 183122.1 | S |
| 55.650 | 0.0000 | 0.0000 | 84.465 | 0.12780 | 0.00000 | 319537.6 | 116597.5 | 183122.1 | S |
| 55.658 | 0.0000 | 0.0000 | 84.465 | 0.12777 | 0.00000 | 319537.6 | 116601.4 | 183122.1 | S |
| 55.667 | 0.0000 | 0.0000 | 84.465 | 0.12774 | 0.00000 | 319537.6 | 116605.2 | 183122.1 | S |
| 55.675 | 0.0000 | 0.0000 | 84.464 | 0.12770 | 0.00000 | 319537.6 | 116609.0 | 183122.1 | S |
| 55.683 | 0.0000 | 0.0000 | 84.464 | 0.12767 | 0.00000 | 319537.6 | 116612.9 | 183122.1 | S |
| 55.692 | 0.0000 | 0.0000 | 84.464 | 0.12764 | 0.00000 | 319537.6 | 116616.7 | 183122.1 | S |
| 55.700 | 0.0000 | 0.0000 | 84.463 | 0.12761 | 0.00000 | 319537.6 | 116620.5 | 183122.1 | S |
| 55.708 | 0.0000 | 0.0000 | 84.463 | 0.12757 | 0.00000 | 319537.6 | 116624.3 | 183122.8 | S |
| 55.717 | 0.0000 | 0.0000 | 84.463 | 0.12754 | 0.00000 | 319537.6 | 116628.2 | 183122.1 | S |
| 55.725 | 0.0000 | 0.0000 | 84.462 | 0.12751 | 0.00000 | 319537.6 | 116632.0 | 183122.1 | S |
| 55.733 | 0.0000 | 0.0000 | 84.462 | 0.12748 | 0.00000 | 319537.6 | 116635.8 | 183122.1 | S |
| 55.742 | 0.0000 | 0.0000 | 84.462 | 0.12745 | 0.00000 | 319537.6 | 116639.6 | 183122.1 | S |
| 55.750 | 0.0000 | 0.0000 | 84.461 | 0.12741 | 0.00000 | 319537.6 | 116643.5 | 183122.1 | S |
| 55.758 | 0.0000 | 0.0000 | 84.461 | 0.12738 | 0.00000 | 319537.6 | 116647.3 | 183122.1 | S |
| 55.767 | 0.0000 | 0.0000 | 84.461 | 0.12735 | 0.00000 | 319537.6 | 116651.1 | 183122.1 | S |
| 55.775 | 0.0000 | 0.0000 | 84.460 | 0.12732 | 0.00000 | 319537.6 | 116654.9 | 183122.1 | S |
| 55.783 | 0.0000 | 0.0000 | 84.460 | 0.12728 | 0.00000 | 319537.6 | 116658.8 | 183122.1 | S |
| 55.792 | 0.0000 | 0.0000 | 84.460 | 0.12725 | 0.00000 | 319537.6 | 116662.6 | 183122.1 | S |
| 55.800 | 0.0000 | 0.0000 | 84.459 | 0.12722 | 0.00000 | 319537.6 | 116666.4 | 183122.1 | S |
| 55.808 | 0.0000 | 0.0000 | 84.459 | 0.12719 | 0.00000 | 319537.6 | 116670.2 | 183122.1 | S |
| 55.817 | 0.0000 | 0.0000 | 84.459 | 0.12716 | 0.00000 | 319537.6 | 116674.0 | 183122.1 | S |
| 55.825 | 0.0000 | 0.0000 | 84.458 | 0.12712 | 0.00000 | 319537.6 | 116677.8 | 183122.1 | S |
| 55.833 | 0.0000 | 0.0000 | 84.458 | 0.12709 | 0.00000 | 319537.6 | 116681.6 | 183122.1 | S |
| 55.842 | 0.0000 | 0.0000 | 84.458 | 0.12706 | 0.00000 | 319537.6 | 116685.5 | 183122.1 | S |
| 55.850 | 0.0000 | 0.0000 | 84.457 | 0.12703 | 0.00000 | 319537.6 | 116689.3 | 183122.1 | S |
| 55.858 | 0.0000 | 0.0000 | 84.457 | 0.12699 | 0.00000 | 319537.6 | 116693.1 | 183122.1 | S |
| 55.867 | 0.0000 | 0.0000 | 84.457 | 0.12696 | 0.00000 | 319537.6 | 116696.9 | 183122.1 | S |
| 55.875 | 0.0000 | 0.0000 | 84.456 | 0.12693 | 0.00000 | 319537.6 | 116700.7 | 183122.1 | S |
| 55.883 | 0.0000 | 0.0000 | 84.456 | 0.12690 | 0.00000 | 319537.6 | 116704.5 | 183122.1 | S |
| 55.892 | 0.0000 | 0.0000 | 84.456 | 0.12687 | 0.00000 | 319537.6 | 116708.3 | \$83122.1 | S |
| 55.900 | 0.0000 | 0.0000 | 84.455 | 0.12683 | 0.00000 | 319537.6 | 116712.1 | 183122.1 | S |
| 55.908 | 0.0000 | 0.0000 | 84.455 | 0.12680 | 0.00000 | 319537.6 | 116715.9 | 183122.1 | S |
| 55.917 | 0.0000 | 0.0000 | 84.455 | 0.12677 | 0.00000 | 319537.6 | 116719.7 | 183122.1 | S |
| 55.925 | 0.0000 | 0.0000 | 84.454 | 0.12674 | 0.00000 | 319537.6 | 116723.5 | 183122.1 | S |
| 55.933 | 0.0000 | 0.0000 | 84.454 | $0 . \ddagger 2671$ | 0.00000 | 319537.6 | 116727.3 | 183122.1 | S |
| 55.942 | 0.0000 | 0.0000 | 84.454 | 0.12667 | 0.00000 | 319537.6 | 116731.1 | 183122.1 | S |
| 55.950 | 0.0000 | 0.0000 | 84.453 | 0.12664 | 0.00000 | 319537.6 | 116734.9 | 183122.1 | S |
| 55.958 | 0.0000 | 0.0000 | 84.453 | 0.12661 | 0.00000 | 319537.6 | 116738.7 | 183122.1 | S |
| 55.967 | 0.0000 | 0.0000 | 84.453 | 0.12658 | 0.00000 | 319537.6 | 116742.5 | 183122.1 | S |
| 55.975 | 0.0000 | 0.0000 | 84.452 | 0.12655 | 0.00000 | 319537.6 | 116746.3 | 183122.1 | S |
| 55.983 | 0.0000 | 0.0000 | 84.452 | 0.12651 | 0.00000 | 319537.6 | 116750.1 | 183122.1 | S |
| 55.992 | 0.0000 | 0.0000 | 84.452 | 0.12648 | 0.00000 | 319537.6 | 116753.9 | 183122.1 | S |
| 56.000 | 0.0000 | 0.0000 | 84.451 | 0.12645 | 0.00000 | 319537.6 | 116757.7 | 183122.1 | S |
| 56.008 | 0.0000 | 0.0000 | 84.451 | 0.12642 | 0.00000 | 319537.6 | 116761.5 | 183122.1 | S |
| 56.017 | 0.0000 | 0.0000 | 84.451 | 0.12639 | 0.00000 | 319537.6 | 116765.3 | 183122.1 | S |
| 56.025 | 0.0000 | 0.0000 | 84.450 | 0.12635 | 0.00000 | 319537.6 | 116769.1 | 183122.1 | S |
| 56.033 | 0.0000 | 0.0000 | 84.450 | 0.12632 | 0.00000 | 319537.6 | 116772.9 | 183122.1 | S |
| 56.042 | 0.0000 | 0.0000 | 84.449 | 0.12629 | 0.00000 | 319537.6 | 116776.7 | 183122.1 | S |
| 56.050 | 0.0000 | 0.0000 | 84.449 | 0.12626 | 0.00000 | 319537.6 | 116780.4 | 183122.1 | S |
| 56.058 | 0.0000 | 0.0000 | 84.449 | 0.12623 | 0.00000 | 319537.6 | 116784.2 | 183122.1 | S |
| 56.067 | 0.0000 | 0.0000 | 84.448 | 0.12620 | 0.00000 | 319537.6 | 116788.0 | 183122.1 | S |
| 56.075 | 0.0000 | 0.0000 | 84.448 | 0.12616 | 0.00000 | 319537.6 | 116791.8 | 183122.1 | S |
| 56.083 | 0.0000 | 0.0000 | 84.448 | 0.12613 | 0.00000 | 319537.6 | 116795.6 | 183122.1 | S |
| 56.092 | 0.0000 | 0.0000 | 84.447 | 0.12610 | 0.00000 | 319537.6 | 116799.4 | 183122.1 | S |
| 56.100 | 0.0000 | 0.0000 | 84.447 | 0.12607 | 0.00000 | 319537.6 | 116803.2 | 183122.1 | S |
| 56.108 | 0.0000 | 0.0000 | 84.447 | 0.12604 | 0.00000 | 319537.6 | 116806.9 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{3 / \mathrm{s}}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate (f13/s) | Overlow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{H}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 56.117 | 0.0000 | 0.0000 | 84.446 | 0.12600 | 0.00000 | 319537.6 | 116810.7 | 183122.1 | S |
| 56.125 | 0.0000 | 0.0000 | 84.446 | 0.12597 | 0.00000 | 319537.6 | 116894.5 | 183122.1 | S |
| 56.133 | 0.0000 | 0.0000 | 84.446 | 0.12594 | 0.00000 | 319537.6 | 116818.3 | 183122.1 | S |
| 56.142 | 0.0000 | 0.0000 | 84.445 | 0.12591 | 0.00000 | 319537.6 | 116822.1 | 183122.1 | S |
| 56.150 | 0.0000 | 0.0000 | 84.445 | 0.12588 | 0.00000 | 319537.6 | 116825.8 | 183122.1 | S |
| 56.158 | 0.0000 | 0.0000 | 84.445 | 0.12585 | 0.00000 | 319537.6 | 116829.6 | 183122.1 | S |
| 56.167 | 0.0000 | 0.0000 | 84.444 | 0.12581 | 0.00000 | 319537.6 | 116833.4 | 183122.1 | S |
| 56.175 | 0.0000 | 0.0000 | 84.444 | 0.12578 | 0.00000 | 319537.6 | 116837.2 | 183122.1 | S |
| 56.183 | 0.0000 | 0.0000 | 84.444 | 0.12575 | 0.00000 | 319537.6 | 116840.9 | 183122.1 | S |
| 56.192 | 0.0000 | 0.0000 | 84.443 | 0.12572 | 0.00000 | 319537.6 | 116844.7 | 183122.1 | S |
| 56.200 | 0.0000 | 0.0000 | 84.443 | 0.12569 | 0.00000 | 319537.6 | 116848.5 | 183122.1 | S |
| 56.208 | 0.0000 | 0.0000 | 84.443 | 0.12566 | 0.00000 | 319537.6 | 116852.2 | 183122.1 | S |
| 56.217 | 0.0000 | 0.0000 | 84.442 | 0.12562 | 0.00000 | 319537.6 | 116856.0 | 183122.1 | S |
| 56.225 | 0.0000 | 0.0000 | 84.442 | 0.12559 | 0.00000 | 319537.6 | 116859.8 | 183122.1 | S |
| 56.233 | 0.0000 | 0.0000 | 84.442 | 0.12556 | 0.00000 | 319537.6 | 116863.5 | 183122.1 | S |
| 56.242 | 0.0000 | 0.0000 | 84.441 | 0.12553 | 0.00000 | 319537.6 | 116867.3 | 183122.1 | S |
| 56.250 | 0.0000 | 0.0000 | 84.441 | 0.12550 | 0.00000 | 319537.6 | 116871.1 | 183122.1 | S |
| 56.258 | 0.0000 | 0.0000 | 84.441 | 0.12547 | 0.00000 | 319537.6 | 116874.8 | 183122.1 | S |
| 56.267 | 0.0000 | 0.0000 | 84.440 | 0.12543 | 0.00000 | 319537.6 | 716878.6 | 183122.1 | S |
| 56.275 | 0.0000 | 0.0000 | 84.440 | 0.12540 | 0.00000 | 319537.6 | 116882.4 | 183122.1 | S |
| 56.283 | 0.0000 | 0.0000 | 84.440 | 0.12537 | 0.00000 | 319537.6 | 116886.1 | 183122.1 | S |
| 56.292 | 0.0000 | 0.0000 | 84.439 | 0.12534 | 0.00000 | 319537.6 | 116889.9 | 183122.1 | S |
| 56.300 | 0.0000 | 0.0000 | 84.439 | 0.12531 | 0.00000 | 319537.6 | 116893.6 | 183122.1 | S |
| 56.308 | 0.0000 | 0.0000 | 84.439 | 0.12528 | 0.00000 | 319537.6 | 116897.4 | 183122.1 | S |
| 56.317 | 0.0000 | 0.0000 | 84.438 | 0.12525 | 0.00000 | 319537.6 | 176901.2 | 183122.1 | S |
| 56.325 | 0.0000 | 0.0000 | 84.438 | 0.12521 | 0.00000 | 319537.6 | 116904.9 | 183122.1 | S |
| 56.333 | 0.0000 | 0.0000 | 84.438 | 0.12518 | 0.00000 | 319537.6 | 116908.7 | 183122.1 | S |
| 56.342 | 0.0000 | 0.0000 | 84.437 | 0.12515 | 0.00000 | 319537.6 | 116912.4 | 183122.1 | S |
| 56.350 | 0.0000 | 0.0000 | 84.437 | 0.12512 | 0.00000 | 319537.6 | 116916.2 | 183122.1 | S |
| 56.358 | 0.0000 | 0.0000 | 84.437 | 0.12509 | 0.00000 | 319537.6 | 116919.9 | 183122.1 | S |
| 56.367 | 0.0000 | 0.0000 | 84.436 | 0.12506 | 0.00000 | 319537.6 | 116923.7 | 183122.1 | S |
| 56.375 | 0.0000 | 0.0000 | 84.436 | 0.12503 | 0.00000 | 319537.6 | 116927.4 | 183122.1 | S |
| 56.383 | 0.0000 | 0.0000 | 84.436 | 0.12499 | 0.00000 | 319537.6 | 116931.2 | 183122.1 | S |
| 56.392 | 0.0000 | 0.0000 | 84.435 | 0.12496 | 0.00000 | 319537.6 | 116934.9 | 183122.1 | S |
| 56.400 | 0.0000 | 0.0000 | 84.435 | 0.12493 | 0.00000 | 319537.6 | 116938.7 | 183122.1 | S |
| 56.408 | 0.0000 | 0.0000 | 84.435 | 0.12490 | 0.00000 | 319537.6 | 116942.4 | 183122.1 | S |
| 56.417 | 0.0000 | 0.0000 | 84.434 | 0.12487 | 0.00000 | 319537.6 | 116946.2 | 183122.1 | S |
| 56.425 | 0.0000 | 0.0000 | 84.434 | 0.12484 | 0.00000 | 319537.6 | 116949.9 | 183122.1 | S |
| 56.433 | 0.0000 | 0.0000 | 84.434 | 0.12481 | 0.00000 | 319537.6 | 116953.7 | 183122.1 | S |
| 56.442 | 0.0000 | 0.0000 | 84.433 | 0.12477 | 0.00000 | 319537.6 | 116957.4 | 183122.1 | S |
| 56.450 | 0.0000 | 0.0000 | 84.433 | 0.12474 | 0.00000 | 319537.6 | 116961.2 | 183122.1 | S |
| 56.458 | 0.0000 | 0.0000 | 84.433 | 0.12471 | 0.00000 | 319537.6 | 116964.9 | 183122.1 | S |
| 56.467 | 0.0000 | 0.0000 | 84.432 | 0.12468 | 0.00000 | 319537.6 | 116968.6 | 183122.1 | S |
| 56.475 | 0.0000 | 0.0000 | 84.432 | 0.12465 | 0.00000 | 319537.6 | \$16972.4 | 183122.1 | S |
| 56.483 | 0.0000 | 0.0000 | 84.432 | 0.12462 | 0.00000 | 319537.6 | 116976.1 | \$83122.1 | S |
| 56.492 | 0.0000 | 0.0000 | 84.431 | 0.12459 | 0.00000 | 319537.6 | 116979.9 | 183122.1 | S |
| 56.500 | 0.0000 | 0.0000 | 84.431 | 0.12456 | 0.00000 | 319537.6 | 116983.6 | 183122.1 | S |
| 56.508 | 0.0000 | 0.0000 | 84.431 | 0.12452 | 0.00000 | 319537.6 | 116987.3 | 183122.1 | S |
| 56.517 | 0.0000 | 0.0000 | 84.430 | 0.12449 | 0.00000 | 319537.6 | 116991.1 | 183122.1 | S |
| 56.525 | 0.0000 | 0.0000 | 84.430 | 0.12446 | 0.00000 | 319537.6 | 116994.8 | 183122.1 | S |
| 56.533 | 0.0000 | 0.0000 | 84.430 | 0.12443 | 0.00000 | 319537.6 | 116998.5 | 183122.1 | S |
| 56.542 | 0.0000 | 0.0000 | 84.429 | 0.12440 | 0.00000 | 319537.6 | 117002.3 | 183122.1 | S |
| 56.550 | 0.0000 | 0.0000 | 84.429 | 0.12437 | 0.00000 | 319537.6 | 117006.0 | 183122.1 | S |
| 56.558 | 0.0000 | 0.0000 | 84.429 | 0.12434 | 0.00000 | 319537.6 | 117009.7 | 183122.1 | S |
| 56.567 | 0.0000 | 0.0000 | 84.428 | 0.12431 | 0.00000 | 319537.6 | 117013.5 | 183122.1 | S |
| 56.575 | 0.0000 | 0.0000 | 84.428 | 0.12427 | 0.00000 | 319537.6 | 117017.2 | 183122.1 | S |
| 56.583 | 0.0000 | 0.0000 | 84.428 | 0.12424 | 0.00000 | 319537.6 | 117020.9 | 183122.1 | S |
| 56.592 | 0.0000 | 0.0000 | 84.427 | 0.12421 | 0.00000 | 319537.6 | 117024.6 | 183122.1 | S |
| 56.600 | 0.0000 | 0.0000 | 84.427 | 0.12418 | 0.00000 | 319537.6 | 117028.4 | 183122.1 | S |
| 56.608 | 0.0000 | 0.0000 | 84.427 | 0.12415 | 0.00000 | 319537.6 | 117032.1 | 183122.1 | S |
| 56.617 | 0.0000 | 0.0000 | 84.426 | 0.12412 | 0.00000 | 319537.6 | 117035.8 | 183122.1 | S |
| 56.625 | 0.0000 | 0.0000 | 84.426 | 0.12409 | 0.00000 | 319537.6 | 117039.5 | 183122.1 | S |
| 56.633 | 0.0000 | 0.0000 | 84.426 | 0.12406 | 0.00000 | 319537.6 | 117043.3 | 183122.1 | S |
| 56.642 | 0.0000 | 0.0000 | 84.425 | 0.12403 | 0.00000 | 319537.6 | 117047.0 | 183122.1 | S |
| 56.650 | 0.0000 | 0.0000 | 84.425 | 0.12399 | 0.00000 | 319537.6 | 117050.7 | 183122.1 | S |
| 56,658 | 0.0000 | 0.0000 | 84.425 | 0.12396 | 0.00000 | 319537.6 | \$17054.4 | 183122.1 | S |
| 56.667 | 0.0000 | 0.0000 | 84.424 | 0.12393 | 0.00000 | 319537.6 | 117058.1 | 183122.1 | S |
| 56.675 | 0.0000 | 0.0000 | 84.424 | 0.12390 | 0.00000 | 319537.6 | 117061.9 | 183122.1 | S |
| 56.683 | 0.0000 | 0.0000 | 84.424 | 0.12387 | 0.00000 | 319537.6 | 117065.6 | 183122.1 | S |
| 56.692 | 0.0000 | 0.0000 | 84.423 | 0.12384 | 0.00000 | 319537.6 | 117069.3 | 183122.1 | S |
| 56.700 | 0.0000 | 0.0000 | 84.423 | 0.12381 | 0.00000 | 319537.6 | 117073.0 | 183122.1 | S |
| 56.708 | 0.0000 | 0.0000 | 84.423 | 0.12378 | 0.00000 | 319537.6 | 117076.7 | 183122.1 | S |
| 56.717 | 0.0000 | 0.0000 | 84.422 | 0.12375 | 0.00000 | 319537.6 | 117080.4 | $\uparrow 83122.1$ | S |
| 56.725 | 0.0000 | 0.0000 | 84.422 | 0.12372 | 0.00000 | 319537.6 | 117084.1 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3 / \mathrm{s}} \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (fl datum) | Infitration Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Overfiow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{H}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{H}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 56.733 | 0.0000 | 0.0000 | 84.422 | 0.12368 | 0.00000 | 319537.6 | 117087.9 | 183122.1 | S |
| 56.742 | 0.0000 | 0.0000 | 84.421 | 0.12365 | 0.00000 | 319537.6 | 117091.6 | 183122.1 | S |
| 56.750 | 0.0000 | 0.0000 | 84.421 | 0.12362 | 0.00000 | 319537.6 | 117095.3 | 183122.1 | S |
| 56.758 | 0.0000 | 0.0000 | 84.421 | 0.12359 | 0.00000 | 319537.6 | 117099.0 | 183122.1 | S |
| 56.767 | 0.0000 | 0.0000 | 84.420 | 0.12356 | 0.00000 | 319537.6 | 117102.7 | 183122.1 | S |
| 56.775 | 0.0000 | 0.0000 | 84.420 | 0.12353 | 0.00000 | 319537.6 | 117106.4 | 183122.1 | S |
| 56.783 | 0.0000 | 0.0000 | 84.419 | 0.12350 | 0.00000 | 319537.6 | 117110.1 | 183122.1 | S |
| 56.792 | 0.0000 | 0.0000 | 84.419 | 0.12347 | 0.00000 | 319537.6 | 117113.8 | 183122.1 | S |
| 56.800 | 0.0000 | 0.0000 | 84.419 | 0.12344 | 0.00000 | 319537.6 | 117117.5 | 183122.1 | S |
| 56.808 | 0.0000 | 0.0000 | 84.419 | 0.12341 | 0.00000 | 319537.6 | 117121.2 | 183122.1 | S |
| 56.817 | 0.0000 | 0.0000 | 84.418 | 0.12338 | 0.00000 | 319537.6 | 117124.9 | 183122.1 | S |
| 56.825 | 0.0000 | 0.0000 | 84.418 | 0.12334 | 0.00000 | 319537.6 | 117128.6 | 183122.1 | S |
| 56.833 | 0.0000 | 0.0000 | 84.417 | 0.12331 | 0.00000 | 319537.6 | 117132.3 | 183122.1 | S |
| 56.842 | 0.0000 | 0.0000 | 84.417 | 0.12328 | 0.00000 | 319537.6 | 117136.0 | 183122.1 | S |
| 56.850 | 0.0000 | 0.0000 | 84.417 | 0.12325 | 0.00000 | 319537.6 | 117139.7 | 183122.1 | S |
| 56.858 | 0.0000 | 0.0000 | 84.416 | 0.12322 | 0.00000 | 319537.6 | 117143.4 | 183122.1 | S |
| 56.867 | 0.0000 | 0.0000 | 84.416 | 0.12319 | 0.00000 | 319537.6 | 117147.1 | 183122.1 | S |
| 56.875 | 0.0000 | 0.0000 | 84.416 | 0.12316 | 0.00000 | 319537.6 | 117150.8 | 183122.1 | S |
| 56.883 | 0.0000 | 0.0000 | 84.415 | 0.12313 | 0.00000 | 319537.6 | 117154.5 | 183122.1 | S |
| 56.892 | 0.0000 | 0.0000 | 84.415 | 0.12310 | 0.00000 | 319537.6 | 117158.2 | 183122.1 | S |
| 56.900 | 0.0000 | 0.0000 | 84.415 | 0.12307 | 0.00000 | 319537.6 | $\$ 17161.9$ | 183122.1 | S |
| 56.908 | 0.0000 | 0.0000 | 84.414 | 0.12304 | 0.00000 | 319537.6 | \$17165.6 | 183122.1 | S |
| 56.917 | 0.0000 | 0.0000 | 84.414 | $0 .\{2301$ | 0.00000 | 319537.6 | \$17169.3 | 183122.1 | S |
| 56.925 | 0.0000 | 0.0000 | 84.414 | 0.12297 | 0.00000 | 319537.6 | 117173.0 | 183122.4 | S |
| 56.933 | 0.0000 | 0.0000 | 84.413 | 0.12294 | 0.00000 | 319537.6 | 117176.6 | 183122.1 | S |
| 56.942 | 0.0000 | 0.0000 | 84.413 | 0.12291 | 0.00000 | 319537.6 | 177180.3 | 183122.1 | S |
| 56.950 | 0.0000 | 0.0000 | 84.413 | 0.12288 | 0.00000 | 319537.6 | 117184.0 | 183122.1 | 5 |
| 56.958 | 0.0000 | 0.0000 | 84.412 | 0.12285 | 0.00000 | 319537.6 | 117187.7 | 183122.1 | 5 |
| 56.967 | 0.0000 | 0.0000 | 84.412 | 0.12282 | 0.00000 | 319537.6 | 117191.4 | 183122.1 | S |
| 56.975 | 0.0000 | 0.0000 | 84.412 | 0.12279 | 0.00000 | 319537.6 | 117195.7 | 183122.1 | 5 |
| 56.983 | 0.0000 | 0.0000 | 84.411 | 0.12276 | 0.00000 | 319537.6 | 117198.8 | 183122.1 | 5 |
| 56.992 | 0.0000 | 0.0000 | 84.411 | 0.12273 | 0.00000 | 319537.6 | 117202.4 | 183122.1 | 5 |
| 57.000 | 0.0000 | 0.0000 | 84.411 | 0.12270 | 0.00000 | 319537.6 | 117206.1 | 183122.1 | S |
| 57.008 | 0.0000 | 0.0000 | 84.410 | 0.12267 | 0.00000 | 319537.6 | 117209.8 | 183122.1 | 5 |
| 57.017 | 0.0000 | 0.0000 | 84.410 | 0.12264 | 0.00000 | 319537.6 | 117213.5 | 183122.1 | S |
| 57.025 | 0.0000 | 0.0000 | 84.410 | 0.12261 | 0.00000 | 319537.6 | 117217.2 | 183122.1 | S |
| 57.033 | 0.0000 | 0.0000 | 84.409 | 0.12258 | 0.00000 | 319537.6 | 117220.8 | 183122.1 | S |
| 57.042 | 0.0000 | 0.0000 | 84.409 | 0.12255 | 0.00000 | 319537.6 | 117224.5 | 183122.1 | S |
| 57.050 | 0.0000 | 0.0000 | 84.409 | 0.12252 | 0.00000 | 319537.6 | 117228.2 | 183122.1 | S |
| 57.058 | 0.0000 | 0.0000 | 84.408 | 0.12248 | 0.00000 | 319537.6 | 117231.9 | 183122.1 | S |
| 57.067 | 0.0000 | 0.0000 | 84.408 | 0.12245 | 0.00000 | 319537.6 | 117235.5 | 183122.1 | S |
| 57.075 | 0.0000 | 0.0000 | 84.408 | 0.12242 | 0.00000 | 319537.6 | 117239.2 | 183122.1 | S |
| 57.083 | 0.0000 | 0.0000 | 84.407 | 0.12239 | 0.00000 | 319537.6 | 117242.9 | 183122.1 | S |
| 57.092 | 0.0000 | 0.0000 | 84.407 | 0.12236 | 0.00000 | 319537.6 | 117246.6 | 183122.1 | S |
| 57.100 | 0.0000 | 0.0000 | 84.407 | 0.12233 | 0.00000 | 319537.6 | 117250.2 | 183122.1 | 5 |
| 57.108 | 0.0000 | 0.0000 | 84.406 | 0.12230 | 0.00000 | 319537.6 | 117253.9 | 183122.1 | S |
| 57.117 | 0.0000 | 0.0000 | 84.406 | 0.12227 | 0.00000 | 319537.6 | 117257.6 | 183122.1 | S |
| 57.125 | 0.0000 | 0.0000 | 84.406 | 0.12224 | 0.00000 | 319537.6 | 117261.2 | 183122.1 | S |
| 57.133 | 0.0000 | 0.0000 | 84.405 | 0.12221 | 0.00000 | 319537.6 | 117264.9 | 183122.1 | 5 |
| 57.142 | 0.0000 | 0.0000 | 84.405 | 0.12218 | 0.00000 | 319537.6 | 117268.6 | 183122.1 | 5 |
| 57.150 | 0.0000 | 0.0000 | 84.405 | 0.12215 | 0.00000 | 319537.6 | 117272.2 | 183122.1 | S |
| 57.158 | 0.0000 | 0.0000 | 84.404 | 0.12212 | 0.00000 | 319537.6 | 117275.9 | 183122.1 | S |
| 57.167 | 0.0000 | 0.0000 | 84.404 | 0.12209 | 0.00000 | 319537.6 | 117279.6 | 183122.1 | S |
| 57.175 | 0.0000 | 0.0000 | 84.404 | 0.12206 | 0.00000 | 319537.6 | 117283.2 | 183122.1 | S |
| 57.183 | 0.0000 | 0.0000 | 84.403 | 0.12203 | 0.00000 | 319537.6 | 117286.9 | 183122.1 | S |
| 57.192 | 0.0000 | 0.0000 | 84.403 | 0.12200 | 0.00000 | 319537.6 | 117290.5 | 183122.1 | S |
| 57.200 | 0.0000 | 0.0000 | 84.403 | 0.12197 | 0.00000 | 319537.6 | 117294.2 | 183122.1 | S |
| 57.208 | 0.0000 | 0.0000 | 84.402 | 0.12194 | 0.00000 | 319537.6 | 117297.9 | 183122.1 | S |
| 57.217 | 0.0000 | 0.0000 | 84.402 | 0.12191 | 0.00000 | 319537.6 | 117301.5 | 183122.1 | S |
| 57.225 | 0.0000 | 0.0000 | 84.402 | 0.12188 | 0.00000 | 319537.6 | 117305.2 | 183122.1 | S |
| 57.233 | 0.0000 | 0.0000 | 84.401 | 0.12185 | 0.00000 | 319537.6 | 117308.8 | 183122.1 | S |
| 57.242 | 0.0000 | 0.0000 | 84.401 | 0.12181 | 0.00000 | 319537.6 | 117312.5 | 183122.1 | S |
| 57.250 | 0.0000 | 0.0000 | 84.401 | 0.12178 | 0.00000 | 319537.6 | 117316.1 | 183122.1 | S |
| 57.258 | 0.0000 | 0.0000 | 84.400 | 0.12175 | 0.00000 | 319537.6 | 117319.8 | 183122.1 | S |
| 57.267 | 0.0000 | 0.0000 | 84.400 | 0.12172 | 0.00000 | 319537.6 | 117323.4 | 183122.1 | S |
| 57.275 | 0.0000 | 0.0000 | 84.400 | 0.12169 | 0.00000 | 319537.6 | 117327.4 | 183122.1 | S |
| 57.283 | 0.0000 | 0.0000 | 84.399 | 0.12166 | 0.00000 | 319537.6 | 117330.8 | 183122.1 | S |
| 57.292 | 0.0000 | 0.0000 | 84.399 | 0.12163 | 0.00000 | 319537.6 | 117334.4 | 183122.1 | S |
| 57.300 | 0.0000 | 0.0000 | 84.399 | 0.12160 | 0.00000 | 319537.6 | 117338.0 | 183122.1 | S |
| 57.308 | 0.0000 | 0.0000 | 84.398 | 0.12157 | 0.00000 | 319537.6 | 117341.7 | 183122.1 | S |
| 57.317 | 0.0000 | 0.0000 | 84.398 | 0.12154 | 0.00000 | 319537.6 | 117345.3 | 183122.1 | S |
| 57.325 | 0.0000 | 0.0000 | 84.398 | 0.12151 | 0.00000 | 319537.6 | 117349.0 | 183122.1 | S |
| 57.333 | 0.0000 | 0.0000 | 84.397 | 0.12148 | 0.00000 | 319537.6 | 117352.6 | 183122.1 | S |
| 57.342 | 0.0000 | 0.0000 | 84.397 | 0.12145 | 0.00000 | 319537.6 | 117356.3 | 183122.1 | 5 |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :. Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate (flis) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 57.350 | 0.0000 | 0.0000 | 84.397 | 0.12142 | 0.00000 | 319537.6 | 117359.9 | 183122.7 | S |
| 57.358 | 0.0000 | 0.0000 | 84.396 | 0.12139 | 0.00000 | 319537.6 | 117363.6 | 183122.1 | S |
| 57.367 | 0.0000 | 0.0000 | 84.396 | 0.12136 | 0.00000 | 319537.6 | 117367.2 | 183122.1 | S |
| 57.375 | 0.0000 | 0.0000 | 84.396 | 0.12133 | 0.00000 | 319537.6 | 117370.8 | 183122.1 | S |
| 57.383 | 0.0000 | 0.0000 | 84.395 | 0.12130 | 0.00000 | 319537.6 | 117374.5 | 183122.1 | S |
| 57.392 | 0.0000 | 0.0000 | 84.395 | 0.12127 | 0.00000 | 319537.6 | 117378.1 | 183122.1 | S |
| 57.400 | 0.0000 | 0.0000 | 84.395 | 0.12124 | 0.00000 | 319537.6 | 117381.8 | 183122.1 | S |
| 57.408 | 0.0000 | 0.0000 | 84.394 | 0.12121 | 0.00000 | 319537.6 | 117385.4 | 183122.1 | S |
| 57.417 | 0.0000 | 0.0000 | 84.394 | 0.12118 | 0.00000 | 319537.6 | 117389.0 | 183122.1 | S |
| 57.425 | 0.0000 | 0.0000 | 84.394 | 0.12175 | 0.00000 | 319537.6 | 117392.7 | 183122.1 | S |
| 57.433 | 0.0000 | 0.0000 | 84.394 | 0.12112 | 0.00000 | 319537.6 | 117396.3 | 183122.1 | S |
| 57.442 | 0.0000 | 0.0000 | 84.393 | 0.12109 | 0.00000 | 319537.6 | 117399.9 | 183122.1 | S |
| 57.450 | 0.0000 | 0.0000 | 84.393 | 0.12106 | 0.00000 | 319537.6 | 117403.6 | 183122.1 | S |
| 57.458 | 0.0000 | 0.0000 | 84.393 | 0.12103 | 0.00000 | 319537.6 | 117407.2 | 183122.1 | S |
| 57.467 | 0.0000 | 0.0000 | 84.392 | 0.12100 | 0.00000 | 319537.6 | 117410.8 | 183122.1 | S |
| 57.475 | 0.0000 | 0.0000 | 84.392 | 0.12097 | 0.00000 | 319537.6 | 117414.5 | 183122.1 | S |
| 57.483 | 0.0000 | 0.0000 | 84.392 | 0.12094 | 0.00000 | 319537.6 | 117418.1 | 183122.1 | S |
| 57.492 | 0.0000 | 0.0000 | 84.391 | 0.12091 | 0.00000 | 319537.6 | 117421.7 | 183122.1 | S |
| 57.500 | 0.0000 | 0.0000 | 84.391 | 0.12088 | 0.00000 | 319537.6 | 117425.3 | 183122.1 | S |
| 57.508 | 0.0000 | 0.0000 | 84.391 | 0.12085 | 0.00000 | 319537.6 | 117429.0 | 183122.1 | S |
| 57.517 | 0.0000 | 0.0000 | 84.390 | 0.12082 | 0.00000 | 319537.6 | 117432.6 | 183122.1 | S |
| 57.525 | 0.0000 | 0.0000 | 84.390 | 0.12079 | 0.00000 | 319537.6 | 117436.2 | 183122.4 | S |
| 57.533 | 0.0000 | 0.0000 | 84.390 | 0.12076 | 0.00000 | 319537.6 | 117439.8 | 183122.1 | S |
| 57.542 | 0.0000 | 0.0000 | 84.389 | 0.12073 | 0.00000 | 319537.6 | 117443.5 | 183122.1 | S |
| 57.550 | 0.0000 | 0.0000 | 84.389 | 0.12070 | 0.00000 | 319537.6 | 117447.1 | 183122.1 | S |
| 57.558 | 0.0000 | 0.0000 | 84.389 | 0.12067 | 0.00000 | 319537.6 | 117450.7 | 183122.1 | S |
| 57.567 | 0.0000 | 0.0000 | 84.388 | 0.12064 | 0.00000 | 319537.6 | 117454.3 | 183122.1 | S |
| 57.575 | 0.0000 | 0.0000 | 84.388 | 0.12061 | 0.00000 | 319537.6 | 117457.9 | 183122.1 | S |
| 57.583 | 0.0000 | 0.0000 | 84.388 | 0.12058 | 0.00000 | 319537.6 | 117461.6 | 183122.1 | S |
| 57.592 | 0.0000 | 0.0000 | 84.387 | 0.12055 | 0.00000 | 319537.6 | 197465.2 | 183122.1 | S |
| 57.600 | 0.0000 | 0.0000 | 84.387 | 0.12052 | 0.00000 | 319537.6 | 117468.8 | 183122.1 | S |
| 57.608 | 0.0000 | 0.0000 | 84.387 | 0.12049 | 0.00000 | 319537.6 | 117472.4 | 183122.1 | S |
| 57.617 | 0.0000 | 0.0000 | 84.386 | 0.12046 | 0.00000 | 319537.6 | 117476.0 | 183122.1 | S |
| 57.625 | 0.0000 | 0.0000 | 84.386 | 0.12043 | 0.00000 | 319537.6 | 117479.6 | 183122.1 | S |
| 57.633 | 0.0000 | 0.0000 | 84.386 | 0.12040 | 0.00000 | 319537.6 | 117483.3 | 183122.1 | S |
| 57.642 | 0.0000 | 0.0000 | 84.385 | 0.12037 | 0.00000 | 319537.6 | 117486.9 | 183122.1 | S |
| 57.650 | 0.0000 | 0.0000 | 84.385 | 0.12034 | 0.00000 | 319537.6 | 117490.5 | 183122.1 | S |
| 57.658 | 0.0000 | 0.0000 | 84.385 | 0.12031 | 0.00000 | 319537.6 | 117494.1 | 183122.1 | S |
| 57.667 | 0.0000 | 0.0000 | 84.384 | 0.12028 | 0.00000 | 319537.6 | 117497.7 | 183122.1 | S |
| 57.675 | 0.0000 | 0.0000 | 84.384 | 0.12025 | 0.00000 | 319537.6 | 117501.3 | 183122.1 | S |
| 57.683 | 0.0000 | 0.0000 | 84.384 | 0.12022 | 0.00000 | 319537.6 | 117504.9 | 183122.1 | S |
| 57.692 | 0.0000 | 0.0000 | 84.383 | 0.12019 | 0.00000 | 319537.6 | 117508.5 | 183122.1 | S |
| 57.700 | 0.0000 | 0.0000 | 84.383 | 0.12016 | 0.00000 | 319537.6 | 117512.1 | 183122.1 | S |
| 57.708 | 0.0000 | 0.0000 | 84.383 | 0.12013 | 0.00000 | 319537.6 | 117515.7 | 483122.1 | S |
| 57.717 | 0.0000 | 0.0000 | 84.382 | 0.12010 | 0.00000 | 319537.6 | 117519.3 | 183122.1 | S |
| 57.725 | 0.0000 | 0.0000 | 84.382 | 0.12007 | 0.00000 | 319537.6 | 117522.9 | 183122.1 | S |
| 57.733 | 0.0000 | 0.0000 | 84.382 | 0.12004 | 0.00000 | 319537.6 | 117526.5 | \$83122.1 | S |
| 57.742 | 0.0000 | 0.0000 | 84.381 | 0.12001 | 0.00000 | 319537.6 | 117530.1 | 183122.1 | S |
| 57.750 | 0.0000 | 0.0000 | 84.381 | 0.11998 | 0.00000 | 319537.6 | 117533.7 | 183122.1 | S |
| 57.758 | 0.0000 | 0.0000 | 84.381 | 0.11995 | 0.00000 | 319537.6 | 117537.3 | 183122.1 | S |
| 57.767 | 0.0000 | 0.0000 | 84.380 | 0.11992 | 0.00000 | 319537.6 | 117540.9 | 183122.1 | S |
| 57.775 | 0.0000 | 0.0000 | 84.380 | 0.11989 | 0.00000 | 319537.6 | 117544.5 | 183122.1 | S |
| 57.783 | 0.0000 | 0.0000 | 84.380 | 0.11986 | 0.00000 | 319537.6 | 117548.1 | 183122.1 | S |
| 57.792 | 0.0000 | 0.0000 | 84.379 | 0.11983 | 0.00000 | 319537.6 | 117551.7 | 183122.1 | S |
| 57.800 | 0.0000 | 0.0000 | 84.379 | 0.11981 | 0.00000 | 319537.6 | 117555.3 | 183122.1 | S |
| 57.808 | 0.0000 | 0.0000 | 84.379 | 0.11978 | 0.00000 | 319537.6 | 117558.9 | 183122.1 | S |
| 57.817 | 0.0000 | 0.0000 | 84.378 | 0.11975 | 0.00000 | 319537.6 | 117562.5 | 183122.1 | S |
| 57.825 | 0.0000 | 0.0000 | 84.378 | 0.11972 | 0.00000 | 319537.6 | 117566.1 | 183122.1 | S |
| 57.833 | 0.0000 | 0.0000 | 84.378 | 0.11969 | 0.00000 | 319537.6 | 117569.7 | 183122.1 | S |
| 57.842 | 0.0000 | 0.0000 | 84.377 | 0.11966 | 0.00000 | 319537.6 | 117573.3 | 183122.1 | S |
| 57.850 | 0.0000 | 0.0000 | 84.377 | 0.11963 | 0.00000 | 319537.6 | 117576.9 | 183122.1 | S |
| 57.858 | 0.0000 | 0.0000 | 84.377 | 0.11960 | 0.00000 | 319537.6 | 117580.4 | 183122.1 | S |
| 57.867 | 0.0000 | 0.0000 | 84.376 | 0.11957 | 0.00000 | 319537.6 | 117584.0 | 183122.1 | S |
| 57.875 | 0.0000 | 0.0000 | 84.376 | 0.11954 | 0.00000 | 319537.6 | 117587.6 | 183122.1 | S |
| 57.883 | 0.0000 | 0.0000 | 84.376 | 0.11951 | 0.00000 | 319537.6 | 117591.2 | 183122.1 | S |
| 57.892 | 0.0000 | 0.0000 | 84.375 | 0.11948 | 0.00000 | 319537.6 | 117594.8 | 183122.1 | S |
| 57.900 | 0.0000 | 0.0000 | 84.375 | 0.11945 | 0.00000 | 319537.6 | 117588.4 | 183122.1 | S |
| 57.908 | 0.0000 | 0.0000 | 84.375 | 0.11942 | 0.00000 | 319537.6 | 117602.0 | 183122.1 | S |
| 57.917 | 0.0000 | 0.0000 | 84.374 | 0.11939 | 0.00000 | 319537.6 | 117605.5 | 183122.1 | S |
| 57.925 | 0.0000 | 0.0000 | 84.374 | 0.11936 | 0.00000 | 319537.6 | 117609.1 | 183122.1 | S |
| 57.933 | 0.0000 | 0.0000 | 84.374 | 0.11933 | 0.00000 | 319537.6 | 117612.7 | 183122.1 | S |
| 57.942 | 0.0000 | 0.0000 | 84.373 | 0.11930 | 0.00000 | 319537.6 | 117616.3 | 183122.1 | S |
| 57.950 | 0.0000 | 0.0000 | 84.373 | 0.11927 | 0.00000 | 319537.6 | 117619.9 | 183122.1 | S |
| 57.958 | 0.0000 | 0.0000 | 84.373 | 0.11924 | 0.00000 | 319537.6 | 117623.4 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (fl/day) | Stage Elevation (ft datum) | Infiltration Rate (fishs) | Overfiow <br> Discharge <br> (ft ${ }^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | $\begin{aligned} & \text { Flow } \\ & \text { Type } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 57.967 | 0.0000 | 0.0000 | 84.372 | 0.11921 | 0.00000 | 319537.6 | 117627.0 | 183122.1 | S |
| 57.975 | 0.0000 | 0.0000 | 84.372 | 0.11918 | 0.00000 | 319537.6 | 117630.6 | 183122.1 | S |
| 57.983 | 0.0000 | 0.0000 | 84.372 | 0.11915 | 0.00000 | 319537.6 | 117634.2 | 183122.1 | S |
| 57.992 | 0.0000 | 0.0000 | 84.371 | 0.11913 | 0.00000 | 319537.6 | 117637.7 | 183122.1 | S |
| 58.000 | 0.0000 | 0.0000 | 84.371 | 0.11910 | 0.00000 | 319537.6 | 117641.3 | 183122.1 | S |
| 58.008 | 0.0000 | 0.0000 | 84.371 | 0.11907 | 0.00000 | 319537.6 | 117644.9 | 183122.1 | S |
| 58.017 | 0.0000 | 0.0000 | 84.370 | 0.11904 | 0.00000 | 319537.6 | 117648.5 | 183122.1 | S |
| 58.025 | 0.0000 | 0.0000 | 84.370 | 0.11901 | 0.00000 | 319537.6 | 117652.0 | 183122.1 | S |
| 58.033 | 0.0000 | 0.0000 | 84.370 | 0.11898 | 0.00000 | 319537.6 | 117655.6 | 183122.1 | S |
| 58.042 | 0.0000 | 0.0000 | 84.369 | 0.11895 | 0.00000 | 319537.6 | 117659.2 | 183122.1 | S |
| 58.050 | 0.0000 | 0.0000 | 84.369 | 0.11892 | 0.00000 | 319537.6 | 117662.7 | 183122.1 | S |
| 58.058 | 0.0000 | 0.0000 | 84.369 | 0.11889 | 0.00000 | 319537.6 | 117666.3 | 183122.1 | S |
| 58.067 | 0.0000 | 0.0000 | 84.368 | 0.11886 | 0.00000 | 319537.6 | 117669.9 | 183122.1 | S |
| 58.075 | 0.0000 | 0.0000 | 84.368 | 0.11883 | 0.00000 | 319537.6 | 117673.4 | 183122.1 | S |
| 58.083 | 0.0000 | 0.0000 | 84.368 | 0.11880 | 0.00000 | 319537.6 | 117677.0 | 183122.1 | S |
| 58.092 | 0.0000 | 0.0000 | 84.367 | 0.11877 | 0.00000 | 319537.6 | 117680.6 | 183122.1 | S |
| 58.100 | 0.0000 | 0.0000 | 84.367 | 0.11874 | 0.00000 | 319537.6 | 117684.1 | 183122.1 | S |
| 58.108 | 0.0000 | 0.0000 | 84.367 | 0.11871 | 0.00000 | 319537.6 | 117687.7 | 183122.1 | S |
| 58.117 | 0.0000 | 0.0000 | 84.366 | 0.11869 | 0.00000 | 319537.6 | 117691.3 | 183122.1 | S |
| 58.125 | 0.0000 | 0.0000 | 84.366 | 0.11866 | 0.00000 | 319537.6 | 117694.8 | 183122.1 | S |
| 58.133 | 0.0000 | 0.0000 | 84.366 | 0.11863 | 0.00000 | 319537.6 | 117698.4 | 183122.1 | S |
| 58.142 | 0.0000 | 0.0000 | 84.365 | 0.11860 | 0.00000 | 319537.6 | 117701.9 | 183122.1 | S |
| 58.150 | 0.0000 | 0.0000 | 84.365 | 0.11857 | 0.00000 | 319537.6 | 117705.5 | 183122.1 | S |
| 58.158 | 0.0000 | 0.0000 | 84.365 | 0.11854 | 0.00000 | 319537.6 | 117709.0 | 183122.1 | S |
| 58.167 | 0.0000 | 0.0000 | 84.364 | 0.11851 | 0.00000 | 319537.6 | 117712.6 | 183122.1 | S |
| 58.175 | 0.0000 | 0.0000 | 84.364 | 0.11848 | 0.00000 | 319537.6 | 117716.1 | 183122.1 | S |
| 58.183 | 0.0000 | 0.0000 | 84.364 | 0.11845 | 0.00000 | 319537.6 | 117719.7 | 183122.1 | S |
| 58.192 | 0.0000 | 0.0000 | 84.363 | 0.11842 | 0.00000 | 319537.6 | 117723.3 | 183122.1 | S |
| 58.200 | 0.0000 | 0.0000 | 84.363 | 0.11839 | 0.00000 | 319537.6 | 117726.8 | 183122.1 | S |
| 58.208 | 0.0000 | 0.0000 | 84.363 | 0.11836 | 0.00000 | 319537.6 | 117730.4 | 183122.1 | S |
| 58.217 | 0.0000 | 0.0000 | 84.363 | 0.11833 | 0.00000 | 319537.6 | 117733.9 | 183122.1 | S |
| 58.225 | 0.0000 | 0.0000 | 84.362 | 0.11831 | 0.00000 | 319537.6 | 117737.5 | 183122.1 | S |
| 58.233 | 0.0000 | 0.0000 | 84.362 | 0.11828 | 0.00000 | 319537.6 | 117741.0 | 183122.1 | S |
| 58.242 | 0.0000 | 0.0000 | 84.362 | 0.11825 | 0.00000 | 319537.6 | 117744.6 | 183122.1 | S |
| 58.250 | 0.0000 | 0.0000 | 84.361 | 0.11822 | 0.00000 | 319537.6 | 117748.1 | 183122.1 | S |
| 58.258 | 0.0000 | 0.0000 | 84.361 | 0.11819 | 0.00000 | 319537.6 | 117751.6 | 183122.1 | S |
| 58.267 | 0.0000 | 0.0000 | 84.361 | 0.11816 | 0.00000 | 319537.6 | 117755.2 | 183122.1 | S |
| 58.275 | 0.0000 | 0.0000 | 84.360 | 0.11813 | 0.00000 | 319537.6 | 117758.7 | 183122.1 | S |
| 58.283 | 0.0000 | 0.0000 | 84.360 | 0.11810 | 0.00000 | 319537.6 | 147762.3 | 183122.1 | S |
| 58.292 | 0.0000 | 0.0000 | 84.360 | 0.11807 | 0.00000 | 319537.6 | 117765.8 | 183122.1 | S |
| 58.300 | 0.0000 | 0.0000 | 84.359 | 0.11804 | 0.00000 | 319537.6 | 117769.4 | 183122.1 | S |
| 58.308 | 0.0000 | 0.0000 | 84.359 | 0.11801 | 0.00000 | 319537.6 | 117772.9 | 183122.1 | S |
| 58.317 | 0.0000 | 0.0000 | 84.359 | 0.11798 | 0.00000 | 319537.6 | 117776.4 | 183122.1 | S |
| 58.325 | 0.0000 | 0.0000 | 84.358 | 0.11796 | 0.00000 | 319537.6 | 117780.0 | 183122.1 | S |
| 58.333 | 0.0000 | 0.0000 | 84.358 | 0.11793 | 0.00000 | 319537.6 | 117783.5 | 183122.1 | S |
| 58.342 | 0.0000 | 0.0000 | 84.358 | 0.11790 | 0.00000 | 319537.6 | 117787.1 | \$83122.1 | S |
| 58.350 | 0.0000 | 0.0000 | 84.357 | 0.11787 | 0.00000 | 319537.6 | 117790.6 | 183122.1 | S |
| 58.358 | 0.0000 | 0.0000 | 84.357 | 0.11784 | 0.00000 | 319537.6 | 117794.1 | 183122.1 | S |
| 58.367 | 0.0000 | 0.0000 | 84.357 | 0.11781 | 0.00000 | 319537.6 | 117797.7 | 183122.1 | S |
| 58.375 | 0.0000 | 0.0000 | 84.356 | 0.11778 | 0.00000 | 319537.6 | 117801.2 | 183122.1 | S |
| 58.383 | 0.0000 | 0.0000 | 84.356 | 0.11775 | 0.00000 | 319537.6 | 117804.7 | 183122.1 | S |
| 58.392 | 0.0000 | 0.0000 | 84.356 | 0.11772 | 0.00000 | 319537.6 | 117808.3 | 183122.1 | S |
| 58.400 | 0.0000 | 0.0000 | 84.355 | 0.11769 | 0.00000 | 319537.6 | 117811.8 | 183122.1 | S |
| 58.408 | 0.0000 | 0.0000 | 84.355 | 0.11767 | 0.00000 | 319537.6 | 117815.3 | 183122.1 | S |
| 58.417 | 0.0000 | 0.0000 | 84.355 | 0.11764 | 0.00000 | 319537.6 | 117818.9 | 183122.1 | S |
| 58.425 | 0.0000 | 0.0000 | 84.354 | 0.11761 | 0.00000 | 319537.6 | 117822.4 | 183122.1 | S |
| 58.433 | 0.0000 | 0.0000 | 84.354 | 0.11758 | 0.00000 | 319537.6 | 117825.9 | 183122.1 | S |
| 58.442 | 0.0000 | 0.0000 | 84.354 | 0.11755 | 0.00000 | 319537.6 | 117829.4 | 183122.1 | S |
| 58.450 | 0.0000 | 0.0000 | 84.353 | 0.11752 | 0.00000 | 319537.6 | 117833.0 | 183122.1 | S |
| 58.458 | 0.0000 | 0.0000 | 84.353 | 0.11749 | 0.00000 | 319537.6 | 117836.5 | 183122.1 | S |
| 58.467 | 0.0000 | 0.0000 | 84.353 | 0.11746 | 0.00000 | 319537.6 | 117840.0 | 183122.1 | S |
| 58.475 | 0.0000 | 0.0000 | 84.352 | 0.11743 | 0.00000 | 319537.6 | 117843.5 | 183122.1 | S |
| 58.483 | 0.0000 | 0.0000 | 84.352 | 0.11741 | 0.00000 | 319537.6 | 117847.1 | 183122.1 | S |
| 58.492 | 0.0000 | 0.0000 | 84.352 | 0.11738 | 0.00000 | 319537.6 | 117850.6 | 183122.1 | S |
| 58.500 | 0.0000 | 0.0000 | 84.351 | 0.11735 | 0.00000 | 319537.6 | 117854.1 | 183122.1 | S |
| 58.508 | 0.0000 | 0.0000 | 84.351 | 0.11732 | 0.00000 | 319537.6 | 117857.6 | 183122.1 | S |
| 58.517 | 0.0000 | 0.0000 | 84.351 | 0.11729 | 0.00000 | 319537.6 | 117861.1 | 183122.1 | S |
| 58.525 | 0.0000 | 0.0000 | 84.350 | 0.11726 | 0.00000 | 319537.6 | 117864.7 | 183122.1 | S |
| 58.533 | 0.0000 | 0.0000 | 84.350 | 0.11723 | 0.00000 | 319537.6 | 117868.2 | 183122.1 | S |
| 58.542 | 0.0000 | 0.0000 | 84.350 | 0.11720 | 0.00000 | 319537.6 | 117871.7 | 183122.1 | S |
| 58.550 | 0.0000 | 0.0000 | 84.349 | 0.11717 | 0.00000 | 319537.6 | 117875.2 | 183122.1 | S |
| 58.558 | 0.0000 | 0.0000 | 84.349 | 0.11715 | 0.00000 | 319537.6 | 117878.7 | 183122.1 | S |
| 58.567 | 0.0000 | 0.0000 | 84.349 | 0.11712 | 0.00000 | 319537.6 | 117882.2 | 183122.1 | S |
| 58.575 | 0.0000 | 0.0000 | 84.348 | 0.11709 | 0.00000 | 319537.6 | 117885.8 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate (f13/s) | Overflow Discharge (f13/s) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume (ft ${ }^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 58.583 | 0.0000 | 0.0000 | 84.348 | 0.17706 | 0.00000 | 319537.6 | 117889.3 | 183122.1 | S |
| 58.592 | 0.0000 | 0.0000 | 84.348 | 0.11703 | 0.00000 | 319537.6 | 117892.8 | 183122.1 | S |
| 58.600 | 0.0000 | 0.0000 | 84.347 | 0.11700 | 0.00000 | 319537.6 | 117896.3 | 183122.1 | S |
| 58.608 | 0.0000 | 0.0000 | 84.347 | 0.11697 | 0.00000 | 319537.6 | 117899.8 | 183122.1 | S |
| 58.617 | 0.0000 | 0.0000 | 84.347 | 0.11694 | 0.00000 | 319537.6 | 117903.3 | 183122.1 | S |
| 58.625 | 0.0000 | 0.0000 | 84.346 | 0.11692 | 0.00000 | 319537.6 | 117906.8 | 183122.1 | S |
| 58.633 | 0.0000 | 0.0000 | 84.346 | 0.11689 | 0.00000 | 318537.6 | 117910.3 | 183122.1 | S |
| 58.642 | 0.0000 | 0.0000 | 84.346 | 0.11686 | 0.00000 | 319537.6 | 117913.8 | 183122.7 | S |
| 58.650 | 0.0000 | 0.0000 | 84.346 | 0.11683 | 0.00000 | 319537.6 | 117917.3 | 183122.1 | S |
| 58.658 | 0.0000 | 0.0000 | 84.345 | 0.11680 | 0.00000 | 319537.6 | 117920.8 | 183122.1 | S |
| 58.667 | 0.0000 | 0.0000 | 84.345 | 0.11677 | 0.00000 | 319537,6 | 117924.3 | 183122.1 | S |
| 58.675 | 0.0000 | 0.0000 | 84.345 | 0.11674 | 0.00000 | 319537.6 | 117927.8 | 183122.1 | S |
| 58.683 | 0.0000 | 0.0000 | 84.344 | 0.11672 | 0.00000 | 319537.6 | 117931.3 | 183122.1 | S |
| 58.692 | 0.0000 | 0.0000 | 84.344 | 0.11669 | 0.00000 | 319537.6 | 117934.9 | 183122.1 | S |
| 58.700 | 0.0000 | 0.0000 | 84.344 | 0.11666 | 0.00000 | 319537.6 | 117938.4 | 183122.1 | S |
| 58.708 | 0.0000 | 0.0000 | 84.343 | 0.11663 | 0.00000 | 319537.6 | 117941.9 | 183122.1 | S |
| 58.717 | 0.0000 | 0.0000 | 84.343 | 0.11660 | 0.00000 | 319537.6 | 117945.3 | 183122.1 | S |
| 58.725 | 0.0000 | 0.0000 | 84.343 | 0.11657 | 0.00000 | 319537.6 | 117948.8 | 183122.1 | S |
| 58.733 | 0.0000 | 0.0000 | 84.342 | 0.11654 | 0.00000 | 319537.6 | 117952.3 | 183122.1 | S |
| 58.742 | 0.0000 | 0.0000 | 84.342 | 0.11652 | 0.00000 | 319537.6 | 117955.8 | 183122.1 | S |
| 58.750 | 0.0000 | 0.0000 | 84.342 | 0.11649 | 0.00000 | 319537.6 | 117959.3 | 183122.1 | S |
| 58.758 | 0.0000 | 0.0000 | 84.341 | 0.11646 | 0.00000 | 319537.6 | 117962.8 | 183122.1 | S |
| 58.767 | 0.0000 | 0.0000 | 84.341 | 0.11643 | 0.00000 | 319537.6 | 117966.3 | 183122.1 | S |
| 58.775 | 0.0000 | 0.0000 | 84.341 | 0.11640 | 0.00000 | 319537.6 | 117969.8 | 183122.1 | S |
| 58.783 | 0.0000 | 0.0000 | 84.340 | 0.11637 | 0.00000 | 319537.6 | 117973.3 | 183122.1 | S |
| 58.792 | 0.0000 | 0.0000 | 84.340 | 0.11634 | 0.00000 | 319537.6 | 117976.8 | 183122.1 | S |
| 58.800 | 0.0000 | 0.0000 | 84.340 | 0.11632 | 0.00000 | 319537.6 | 117980.3 | 183122.1 | S |
| 58.808 | 0.0000 | 0.0000 | 84.339 | 0.11629 | 0.00000 | 319537.6 | 117983.8 | 183122.1 | S |
| 58.817 | 0.0000 | 0.0000 | 84.339 | 0.11626 | 0.00000 | 319537.6 | 117987.3 | 183122.1 | S |
| 58.825 | 0.0000 | 0.0000 | 84.339 | 0.11623 | 0.00000 | 319537.6 | 117990.8 | 783122.1 | S |
| 58.833 | 0.0000 | 0.0000 | 84.338 | 0.11620 | 0.00000 | 319537.6 | 117994.2 | 183122.1 | S |
| 58.842 | 0.0000 | 0.0000 | 84.338 | 0.11617 | 0.00000 | 319537.6 | 117997.7 | 183122.1 | S |
| 58.850 | 0.0000 | 0.0000 | 84.338 | 0.11614 | 0.00000 | 319537.6 | 118001.2 | 183122.1 | S |
| 58.858 | 0.0000 | 0.0000 | 84.337 | 0.11612 | 0.00000 | 319537.6 | 118004.7 | 183122.1 | S |
| 58.867 | 0.0000 | 0.0000 | 84.337 | 0.11609 | 0.00000 | 319537.6 | 118008.2 | 183122.1 | S |
| 58.875 | 0.0000 | 0.0000 | 84.337 | 0.11606 | 0.00000 | 319537.6 | 118011.7 | 183122.1 | S |
| 58.883 | 0.0000 | 0.0000 | 84.336 | 0.11603 | 0.00000 | 319537.6 | 118015.1 | 183122.1 | S |
| 58.892 | 0.0000 | 0.0000 | 84.336 | 0.11600 | 0.00000 | 319537.6 | 118018.6 | 183122.1 | S |
| 58.900 | 0.0000 | 0.0000 | 84.336 | 0.11597 | 0.00000 | 319537.6 | 118022.1 | 183122.1 | S |
| 58.908 | 0.0000 | 0.0000 | 84.335 | 0.11595 | 0.00000 | 319537.6 | 118025.6 | 183122.1 | S |
| 58.917 | 0.0000 | 0.0000 | 84.335 | 0.11592 | 0.00000 | 319537.6 | 118029.1 | 183122.1 | S |
| 58.925 | 0.0000 | 0.0000 | 84.335 | 0.11589 | 0.00000 | 319537.6 | 118032.5 | 183122.1 | S |
| 58.933 | 0.0000 | 0.0000 | 84.334 | 0.11586 | 0.00000 | 319537.6 | 118036.0 | 183122.1 | S |
| 58.942 | 0.0000 | 0.0000 | 84.334 | 0.11583 | 0.00000 | 319537.6 | 118039.5 | 183122.1 | S |
| 58.950 | 0.0000 | 0.0000 | 84.334 | 0.11580 | 0.00000 | 319537.6 | 118043.0 | 183122.1 | S |
| 58.958 | 0.0000 | 0.0000 | 84.333 | 0.17578 | 0.00000 | 319537.6 | 118046.4 | 183122.1 | S |
| 58.967 | 0.0000 | 0.0000 | 84.333 | 0.11575 | 0.00000 | 319537.6 | 118049.9 | 183122.4 | S |
| 58.975 | 0.0000 | 0.0000 | 84.333 | 0.11572 | 0.00000 | 319537.6 | 118053.4 | 183122.1 | S |
| 58.983 | 0.0000 | 0.0000 | 84.333 | 0.11569 | 0.00000 | 319537.6 | 118056.8 | 183122.1 | S |
| 58.992 | 0.0000 | 0.0000 | 84.332 | 0.11566 | 0.00000 | 319537.6 | 118060.3 | 183122.1 | S |
| 59.000 | 0.0000 | 0.0000 | 84.332 | 0.11563 | 0.00000 | 319537.6 | 118063.8 | 183122.1 | S |
| 59.008 | 0.0000 | 0.0000 | 84.332 | 0.11561 | 0.00000 | 319537.6 | 118067.3 | 183122.1 | S |
| 59.017 | 0.0000 | 0.0000 | 84.331 | 0.11558 | 0.00000 | 319537.6 | 118070.7 | 183122.1 | S |
| 59.025 | 0.0000 | 0.0000 | 84.331 | 0.11555 | 0.00000 | 319537.6 | 118074.2 | 183122.1 | S |
| 59.033 | 0.0000 | 0.0000 | 84.331 | 0.11552 | 0.00000 | 319537.6 | 118077.7 | 183122.1 | S |
| 59.042 | 0.0000 | 0.0000 | 84.330 | 0.11549 | 0.00000 | 319537.6 | 118081.1 | 183122.1 | S |
| 59.050 | 0.0000 | 0.0000 | 84.330 | 0.11546 | 0.00000 | 319537.6 | 118084.6 | 183122.1 | S |
| 59.058 | 0.0000 | 0.0000 | 84.330 | 0.11544 | 0.00000 | 319537.6 | 118088.0 | 183122.1 | S |
| 59.067 | 0.0000 | 0.0000 | 84.329 | 0.11541 | 0.00000 | 319537.6 | 118091.5 | 183122.1 | S |
| 59.075 | 0.0000 | 0.0000 | 84.329 | 0.11538 | 0.00000 | 319537.6 | 118095.0 | 183122.1 | S |
| 59.083 | 0.0000 | 0.0000 | 84.329 | 0.11535 | 0.00000 | 319537.6 | 118098.4 | 183122.1 | S |
| 59.092 | 0.0000 | 0.0000 | 84.328 | 0.11532 | 0.00000 | 319537.6 | 118101.9 | 183122.1 | S |
| 59.100 | 0.0000 | 0.0000 | 84.328 | 0.11529 | 0.00000 | 319537.6 | 118105.4 | 183122.1 | S |
| 59.108 | 0.0000 | 0.0000 | 84.328 | 0.11527 | 0.00000 | 319537.6 | 118108.8 | 183122.1 | S |
| 59.117 | 0.0000 | 0.0000 | 84.327 | 0.11524 | 0.00000 | 319537.6 | 118112.3 | 183122.1 | S |
| 59.125 | 0.0000 | 0.0000 | 84.327 | 0.11521 | 0.00000 | 319537.6 | 118115.7 | 183122.1 | S |
| 59.133 | 0.0000 | 0.0000 | 84.327 | 0.11518 | 0.00000 | 319537.6 | 118119.2 | 183122.1 | S |
| 59.142 | 0.0000 | 0.0000 | 84.326 | 0.11515 | 0.00000 | 319537.6 | 118122.6 | 183122.1 | S |
| 59.150 | 0.0000 | 0.0000 | 84.326 | 0.11513 | 0.00000 | 319537.6 | 118126.1 | 183122.1 | S |
| 59.158 | 0.0000 | 0.0000 | 84.326 | 0.11510 | 0.00000 | 319537.6 | 118129.5 | 183122.1 | S |
| 59.167 | 0.0000 | 0.0000 | 84.325 | 0.11507 | 0.00000 | 319537.6 | 118133.0 | 183122.1 | S |
| 59.175 | 0.0000 | 0.0000 | 84.325 | 0.11504 | 0.00000 | 319537.6 | 118136.4 | 183122.1 | S |
| 59.183 | 0.0000 | 0.0000 | 84.325 | 0.11501 | 0.00000 | 319537.6 | 118139.9 | 183122.1 | S |
| 59.192 | 0.0000 | 0.0000 | 84.324 | 0.11499 | 0.00000 | 319537.6 | 118143.4 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{1} / \mathrm{s}$ ) | Outside Recharge (fvday) | Stage Elevation (fl datum) | Infiltration Rate (f $\mathrm{f}^{1 / \mathrm{S}}$ ) | Overlow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Infiow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 59.200 | 0.0000 | 0.0000 | 84.324 | 0.11496 | 0.00000 | 319537.6 | 118146.8 | 183122.1 | S |
| 59.208 | 0.0000 | 0.0000 | 84.324 | 0.11493 | 0.00000 | 319537.6 | 118150.2 | 183122.1 | S |
| 59.217 | 0.0000 | 0.0000 | 84.323 | 0.11490 | 0.00000 | 319537.6 | 118153.7 | 183122.1 | S |
| 59.225 | 0.0000 | 0.0000 | 84.323 | 0.11487 | 0.00000 | 319537.6 | 118157.1 | 183122.1 | S |
| 59.233 | 0.0000 | 0.0000 | 84.323 | 0.11485 | 0.00000 | 319537.6 | 118160.6 | 183122.1 | S |
| 59.242 | 0.0000 | 0.0000 | 84.322 | 0.11482 | 0.00000 | 319537.6 | 118164.0 | 183122.1 | S |
| 59.250 | 0.0000 | 0.0000 | 84.322 | 0.11479 | 0.00000 | 319537.6 | 118167.5 | 183122.1 | S |
| 59.258 | 0.0000 | 0.0000 | 84.322 | 0.11476 | 0.00000 | 319537.6 | 118170.9 | 183122.1 | S |
| 59.267 | 0.0000 | 0.0000 | 84.322 | 0.11473 | 0.00000 | 319537.6 | 118174.4 | 183122.1 | S |
| 59.275 | 0.0000 | 0.0000 | 84.321 | 0.11471 | 0.00000 | 319537.6 | 118177.8 | 183122.1 | S |
| 59.283 | 0.0000 | 0.0000 | 84.321 | 0.11468 | 0.00000 | 319537.6 | 118181.2 | 183122.1 | S |
| 59.292 | 0.0000 | 0.0000 | 84.321 | 0.11465 | 0.00000 | 319537.6 | 118184.7 | 183122.1 | S |
| 59.300 | 0.0000 | 0.0000 | 84.320 | 0.11462 | 0.00000 | 319537.6 | 118188.1 | 183122.1 | S |
| 59.308 | 0.0000 | 0.0000 | 84.320 | 0.11459 | 0.00000 | 319537.6 | 118191.6 | 183122.1 | S |
| 59.317 | 0.0000 | 0.0000 | 84.320 | 0.11457 | 0.00000 | 319537.6 | 118195.0 | 183122.1 | S |
| 59.325 | 0.0000 | 0.0000 | 84.319 | 0.11454 | 0.00000 | 319537.6 | 118198.4 | 183122.1 | S |
| 59.333 | 0.0000 | 0.0000 | 84.319 | 0.11451 | 0.00000 | 319537.6 | 118201.9 | 183122.1 | S |
| 59.342 | 0.0000 | 0.0000 | 84.319 | 0.11448 | 0.00000 | 319537.6 | 118205.3 | 183122.1 | S |
| 59.350 | 0.0000 | 0.0000 | 84.318 | 0.11445 | 0.00000 | 319537.6 | 118208.7 | 183122.1 | S |
| 59.358 | 0.0000 | 0.0000 | 84.318 | 0.11443 | 0.00000 | 319537.6 | 118212.2 | 183122.1 | S |
| 59.367 | 0.0000 | 0.0000 | 84.318 | 0.11440 | 0.00000 | 319537.6 | 118215.6 | 183122.1 | S |
| 59.375 | 0.0000 | 0.0000 | 84.317 | 0.11437 | 0.00000 | 319537.6 | 118219.0 | 183122.1 | S |
| 59.383 | 0.0000 | 0.0000 | 84.317 | 0.11434 | 0.00000 | 319537.6 | 118222.5 | 183122.1 | S |
| 59.392 | 0.0000 | 0.0000 | 84.317 | 0.11431 | 0.00000 | 319537.6 | 118225.9 | 183122.1 | S |
| 59.400 | 0.0000 | 0.0000 | 84.316 | 0.11429 | 0.00000 | 319537.6 | 118229.3 | 183122.1 | S |
| 59.408 | 0.0000 | 0.0000 | 84.316 | 0.11426 | 0.00000 | 319537.6 | 118232.8 | 183122.1 | S |
| 59.417 | 0.0000 | 0.0000 | 84.316 | 0.11423 | 0.00000 | 319537.6 | 118236.2 | 183122.1 | S |
| 59.425 | 0.0000 | 0.0000 | 84.315 | 0.11420 | 0.00000 | 319537.6 | 118239.6 | 183122.1 | S |
| 59.433 | 0.0000 | 0.0000 | 84.315 | 0.11417 | 0.00000 | 319537.6 | 118243.0 | 183122.1 | S |
| 59.442 | 0.0000 | 0.0000 | 84.315 | 0.11415 | 0.00000 | 319537.6 | 118246.5 | 183122.1 | S |
| 59.450 | 0.0000 | 0.0000 | 84.314 | 0.11412 | 0.00000 | 319537.6 | 118249.9 | 183122.1 | S |
| 59.458 | 0.0000 | 0.0000 | 84.314 | 0.11409 | 0.00000 | 319537.6 | 118253.3 | 183122.1 | S |
| 59.467 | 0.0000 | 0.0000 | 84.314 | 0.11406 | 0.00000 | 319537.6 | 118256.7 | 183122.1 | S |
| 59.475 | 0.0000 | 0.0000 | 84.313 | 0.11404 | 0.00000 | 319537.6 | 118260.1 | 483122.1 | S |
| 59.483 | 0.0000 | 0.0000 | 84.313 | 0.11401 | 0.00000 | 319537.6 | 118263.6 | 183122.1 | S |
| 59.492 | 0.0000 | 0.0000 | 84.313 | 0.11398 | 0.00000 | 319537.6 | 118267.0 | 183122.1 | S |
| 59.500 | 0.0000 | 0.0000 | 84.312 | 0.11395 | 0.00000 | 319537.6 | 118270.4 | 183122.1 | S |
| 59.508 | 0.0000 | 0.0000 | 84.312 | 0.11392 | 0.00000 | 319537.6 | 118273.8 | 183122.1 | S |
| 59.517 | 0.0000 | 0.0000 | 84.312 | 0.11390 | 0.00000 | 319537.6 | 118277.2 | 183122.1 | S |
| 59.525 | 0.0000 | 0.0000 | 84.312 | 0.11387 | 0.00000 | 319537.6 | 118280.7 | 183122.1 | S |
| 59.533 | 0.0000 | 0.0000 | 84.311 | 0.11384 | 0.00000 | 319537.6 | 118284.1 | 183122.1 | S |
| 59.542 | 0.0000 | 0.0000 | 84.311 | 0.11381 | 0.00000 | 319537.6 | 118287.5 | 183122.1 | S |
| 59.550 | 0.0000 | 0.0000 | 84.311 | 0.11379 | 0.00000 | 319537.6 | 118290.9 | 183122.1 | S |
| 59.558 | 0.0000 | 0.0000 | 84.310 | 0.11376 | 0.00000 | 319537.6 | 118294.3 | 183122.1 | S |
| 59.567 | 0.0000 | 0.0000 | 84.310 | 0.11373 | 0.00000 | 319537.6 | 118297.7 | 183122.1 | S |
| 59.575 | 0.0000 | 0.0000 | 84.310 | 0.11370 | 0.00000 | 319537.6 | 118301.1 | 183122.1 | S |
| 59.583 | 0.0000 | 0.0000 | 84.309 | 0.11368 | 0.00000 | 319537.6 | 118304.6 | 183122.1 | S |
| 59.592 | 0.0000 | 0.0000 | 84.309 | 0.11365 | 0.00000 | 319537.6 | 118308.0 | 183122.1 | S |
| 59.600 | 0.0000 | 0.0000 | 84.309 | 0.11362 | 0.00000 | 319537.6 | 118311.4 | 183122.1 | S |
| 59.608 | 0.0000 | 0.0000 | 84.308 | 0.11359 | 0.00000 | 319537.6 | 118314.8 | 183122.1 | S |
| 59.617 | 0.0000 | 0.0000 | 84.308 | 0.11357 | 0.00000 | 319537.6 | 118318.2 | 183122.1 | S |
| 59.625 | 0.0000 | 0.0000 | 84.308 | 0.11354 | 0.00000 | 319537.6 | 118321.6 | 183122.1 | S |
| 59.633 | 0.0000 | 0.0000 | 84.307 | 0.11351 | 0.00000 | 319537.6 | 118325.0 | 183122.1 | S |
| 59.642 | 0.0000 | 0.0000 | 84.307 | 0.11348 | 0.00000 | 319537.6 | 118328.4 | 183122.1 | S |
| 59.650 | 0.0000 | 0.0000 | 84.307 | 0.11345 | 0.00000 | 319537.6 | 118331.8 | 183122.1 | S |
| 59.658 | 0.0000 | 0.0000 | 84.306 | 0.11343 | 0.00000 | 319537.6 | 118335.2 | 183122.1 | S |
| 59.667 | 0.0000 | 0.0000 | 84.306 | 0.11340 | 0.00000 | 319537.6 | 118338.6 | 183122.1 | S |
| 59.675 | 0.0000 | 0.0000 | 84.306 | 0.11337 | 0.00000 | 319537.6 | 118342.0 | 183122.1 | S |
| 59.683 | 0.0000 | 0.0000 | 84.305 | 0.11334 | 0.00000 | 319537.6 | 118345.4 | 183122.1 | S |
| 59.692 | 0.0000 | 0.0000 | 84.305 | 0.11332 | 0.00000 | 319537.6 | 118348.8 | 183122.1 | S |
| 59.700 | 0.0000 | 0.0000 | 84.305 | 0.11329 | 0.00000 | 319537.6 | \$18352.2 | 183122.1 | S |
| 59.708 | 0.0000 | 0.0000 | 84.304 | 0.11326 | 0.00000 | 319537.6 | 118355.6 | 183122.1 | S |
| 59.717 | 0.0000 | 0.0000 | 84.304 | 0.11323 | 0.00000 | 319537.6 | 118359.0 | 183122.1 | S |
| 59.725 | 0.0000 | 0.0000 | 84.304 | 0.11321 | 0.00000 | 319537.6 | 118362.4 | 183122.1 | S |
| 59.733 | 0.0000 | 0.0000 | 84.304 | 0.11318 | 0.00000 | 319537.6 | 118365.8 | 183122.1 | S |
| 59.742 | 0.0000 | 0.0000 | 84.303 | 0.11315 | 0.00000 | 319537.6 | 118369.2 | 183122.1 | S |
| 59.750 | 0.0000 | 0.0000 | 84.303 | 0.11312 | 0.00000 | 319537.6 | 118372.6 | 183722.1 | S |
| 59.758 | 0.0000 | 0.0000 | 84.303 | 0.11310 | 0.00000 | 319537.6 | 118376.0 | 183122.1 | S |
| 59.767 | 0.0000 | 0.0000 | 84.302 | 0.11307 | 0.00000 | 319537.6 | 118379.4 | 183122.1 | S |
| 59.775 | 0.0000 | 0.0000 | 84.302 | 0.11304 | 0.00000 | 319537.6 | 118382.8 | 183122.1 | S |
| 59.783 | 0.0000 | 0.0000 | 84.302 | 0.11301 | 0.00000 | 319537.6 | 118386.2 | 183122.1 | S |
| 59.792 | 0.0000 | 0.0000 | 84.301 | 0.11299 | 0.00000 | 319537.6 | 118389.5 | 183122.1 | S |
| 59.800 | 0.0000 | 0.0000 | 84.301 | 0.11296 | 0.00000 | 319537.6 | 118392.9 | 183122.1 | S |
| 59.808 | 0.0000 | 0.0000 | 84.301 | 0.11293 | 0.00000 | 319537.6 | 118396.3 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario $1::$ pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{3} / \mathrm{s}$ ) | Outside Recharge (fuday) | Stage Elevation (f datum) | Infilfration Rate ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Overffow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 59.817 | 0.0000 | 0.0000 | 84.300 | 0.71290 | 0.00000 | 319537.6 | 118399.7 | 183122.1 | S |
| 59.825 | 0.0000 | 0.0000 | 84.300 | 0.11288 | 0.00000 | 319537.6 | 118403.1 | 183122.1 | S |
| 59.833 | 0.0000 | 0.0000 | 84.300 | 0.11285 | 0.00000 | 319537.6 | 118406.5 | 183122.1 | S |
| 59.842 | 0.0000 | 0.0000 | 84.299 | 0.11282 | 0.00000 | 319537.6 | 118409.9 | 183122.1 | S |
| 59.850 | 0.0000 | 0.0000 | 84.299 | 0.11279 | 0.00000 | 319537.6 | 118413.3 | 183122.1 | S |
| 59.858 | 0.0000 | 0.0000 | 84.299 | 0.11277 | 0.00000 | 319537.6 | 118416.6 | 183122.1 | S |
| 59.867 | 0.0000 | 0.0000 | 84.298 | 0.11274 | 0.00000 | 319537.6 | 118420.0 | 183122.1 | S |
| 59.875 | 0.0000 | 0.0000 | 84.298 | 0.11271 | 0.00000 | 319537.6 | 118423.4 | 183122.1 | S |
| 59.883 | 0.0000 | 0.0000 | 84.298 | 0.11269 | 0.00000 | 319537.6 | 118426.8 | 183122.1 | S |
| 59.892 | 0.0000 | 0.0000 | 84.297 | 0.11266 | 0.00000 | 319537.6 | 118430.2 | 183122.1 | S |
| 59.900 | 0.0000 | 0.0000 | 84.297 | 0.11263 | 0.00000 | 319537.6 | 118433.5 | 183122.1 | S |
| 59.908 | 0.0000 | 0.0000 | 84.297 | 0.11260 | 0.00000 | 319537.6 | 118436.9 | 183122.1 | S |
| 59.917 | 0.0000 | 0.0000 | 84.296 | 0.11258 | 0.00000 | 319537.6 | 118440.3 | 183122.1 | S |
| 59.925 | 0.0000 | 0.0000 | 84.296 | 0.11255 | 0.00000 | 319537.6 | 118443.7 | 183122.1 | S |
| 59.933 | 0.0000 | 0.0000 | 84.296 | 0.11252 | 0.00000 | 319537.6 | 118447.1 | 183122.1 | S |
| 59.942 | 0.0000 | 0.0000 | 84.296 | 0.11249 | 0.00000 | 319537.6 | 118450.4 | 183122.1 | S |
| 59.950 | 0.0000 | 0.0000 | 84.295 | 0.11247 | 0.00000 | 319537.6 | 118453.8 | 183122.1 | S |
| 59.958 | 0.0000 | 0.0000 | 84.295 | 0.11244 | 0.00000 | 319537.6 | 118457.2 | 183122.1 | S |
| 59.967 | 0.0000 | 0.0000 | 84.295 | 0.11241 | 0.00000 | 319537.6 | 118460.5 | 183122.1 | S |
| 59.975 | 0.0000 | 0.0000 | 84.294 | 0.11239 | 0.00000 | 319537.6 | 118463.9 | 183122.1 | S |
| 59.983 | 0.0000 | 0.0000 | 84.294 | $0 . \$ 1236$ | 0.00000 | 319537.6 | 118467.3 | 183122.1 | S |
| 59.992 | 0.0000 | 0.0000 | 84.294 | 0.11233 | 0.00000 | 319537.6 | 118470.7 | 183122.1 | S |
| 60.000 | 0.0000 | 0.0000 | 84.293 | 0.11230 | 0.00000 | 319537.6 | 118474.0 | 183122.1 | S |
| 60.008 | 0.0000 | 0.0000 | 84.293 | 0.11228 | 0.00000 | 319537.6 | 118477.4 | 183122.1 | S |
| 60.017 | 0.0000 | 0.0000 | 84.293 | 0.11225 | 0.00000 | 319537.6 | 118480.8 | 183122.1 | S |
| 60.025 | 0.0000 | 0.0000 | 84.292 | 0.11222 | 0.00000 | 319537.6 | 118484.1 | 183122.1 | S |
| 60.033 | 0.0000 | 0.0000 | 84.292 | 0.11219 | 0.00000 | 319537.6 | 118487.5 | 183122.1 | S |
| 60.042 | 0.0000 | 0.0000 | 84.292 | 0.11217 | 0.00000 | 319537.6 | 118490.9 | 183122.1 | S |
| 60.050 | 0.0000 | 0.0000 | 84.291 | 0.11214 | 0.00000 | 319537.6 | 118494.2 | 183122.1 | S |
| 60.058 | 0.0000 | 0.0000 | 84.291 | 0.11211 | 0.00000 | 319537.6 | 118497.6 | 183122.1 | S |
| 60.067 | 0.0000 | 0.0000 | 84.291 | 0.11209 | 0.00000 | 319537.6 | 118501.0 | 183122.1 | S |
| 60.075 | 0.0000 | 0.0000 | 84.290 | 0.11206 | 0.00000 | 319537.6 | 118504.3 | 183122.1 | S |
| 60.083 | 0.0000 | 0.0000 | 84.290 | 0.11203 | 0.00000 | 319537.6 | 118507.7 | 183122.1 | S |
| 60.092 | 0.0000 | 0.0000 | 84.290 | 0.11200 | 0.00000 | 319537.6 | 118511.0 | 183122.1 | S |
| 60.100 | 0.0000 | 0.0000 | 84.289 | 0.11198 | 0.00000 | 319537.6 | 118514.4 | 183122.1 | S |
| 60.108 | 0.0000 | 0.0000 | 84.289 | 0.11195 | 0.00000 | 319537.6 | 118517.8 | 183122.1 | S |
| 60.117 | 0.0000 | 0.0000 | 84.289 | 0.11192 | 0.00000 | 319537.6 | 118521.1 | 183122.1 | S |
| 60.125 | 0.0000 | 0.0000 | 84.288 | 0.11190 | 0.00000 | 319537.6 | 118524.5 | 183122.1 | S |
| 60.133 | 0.0000 | 0.0000 | 84.288 | 0.11187 | 0.00000 | 319537.6 | 118527.8 | 183122.1 | S |
| 60.142 | 0.0000 | 0.0000 | 84.288 | 0.11184 | 0.00000 | 319537.6 | 118531.2 | 183122.1 | S |
| 60.150 | 0.0000 | 0.0000 | 84.288 | 0.11182 | 0.00000 | 319537.6 | 118534.5 | 183122.1 | S |
| 60.158 | 0.0000 | 0.0000 | 84.287 | 0.11179 | 0.00000 | 319537.6 | 118537.9 | 183122.1 | S |
| 60.167 | 0.0000 | 0.0000 | 84.287 | 0.11176 | 0.00000 | 319537.6 | 118541.3 | 183122.1 | S |
| 60.175 | 0.0000 | 0.0000 | 84.287 | 0.11173 | 0.00000 | 319537.6 | 118544.6 | 183122.1 | S |
| 60.183 | 0.0000 | 0.0000 | 84.286 | 0.11171 | 0.00000 | 319537.6 | 118548.0 | 183122.1 | S |
| 60.192 | 0.0000 | 0.0000 | 84.286 | 0.11168 | 0.00000 | 319537.6 | 118551.3 | 183122.1 | S |
| 60.200 | 0.0000 | 0.0000 | 84.286 | 0.11165 | 0.00000 | 319537.6 | 118554.7 | 183122.1 | S |
| 60.208 | 0.0000 | 0.0000 | 84.285 | 0.11163 | 0.00000 | 319537.6 | 118558.0 | 183122.1 | S |
| 60.217 | 0.0000 | 0.0000 | 84.285 | 0.11160 | 0.00000 | 319537.6 | 118561.4 | $183 \ddagger 22.1$ | S |
| 60.225 | 0.0000 | 0.0000 | 84.285 | 0.11157 | 0.00000 | 319537.6 | 118564.7 | 183122.1 | S |
| 60.233 | 0.0000 | 0.0000 | 84.284 | 0.11154 | 0.00000 | 319537.6 | 118568.0 | 183122.1 | S |
| 60.242 | 0.0000 | 0.0000 | 84.284 | 0.11152 | 0.00000 | 319537.6 | 118571.4 | 183122.1 | S |
| 60.250 | 0.0000 | 0.0000 | 84.284 | 0.11149 | 0.00000 | 319537.6 | 118574.7 | 183122.1 | S |
| 60.258 | 0.0000 | 0.0000 | 84.283 | 0.11146 | 0.00000 | 319537.6 | 118578.1 | 183122.1 | S |
| 60.267 | 0.0000 | 0.0000 | 84.283 | 0.11144 | 0.00000 | 319537.6 | 118581.4 | 783122.1 | S |
| 60.275 | 0.0000 | 0.0000 | 84.283 | 0.11141 | 0.00000 | 319537.6 | 118584.8 | 183122.1 | S |
| 60.283 | 0.0000 | 0.0000 | 84.282 | 0.11138 | 0.00000 | 319537.6 | 118588.1 | 183122.1 | S |
| 60.292 | 0.0000 | 0.0000 | 84.282 | 0.11136 | 0.00000 | 319537.6 | 118591.5 | 183122.1 | S |
| 60.300 | 0.0000 | 0.0000 | 84.282 | 0.11133 | 0.00000 | 319537.6 | 118594.8 | 183122.1 | S |
| 60.308 | 0.0000 | 0.0000 | 84.281 | 0.11130 | 0.00000 | 319537.6 | 118598.1 | 183122.1 | S |
| 60.317 | 0.0000 | 0.0000 | 84.281 | 0.11128 | 0.00000 | 319537.6 | 118601.5 | 183122.1 | S |
| 60.325 | 0.0000 | 0.0000 | 84.281 | 0.11125 | 0.00000 | 319537.6 | 118604.8 | 183122.1 | S |
| 60.333 | 0.0000 | 0.0000 | 84.281 | 0.11122 | 0.00000 | 319537.6 | 118608.1 | 183122.1 | S |
| 60.342 | 0.0000 | 0.0000 | 84.280 | 0.11119 | 0.00000 | 319537.6 | 118611.5 | 183122.1 | S |
| 60.350 | 0.0000 | 0.0000 | 84.280 | 0.11117 | 0.00000 | 319537.6 | 118614.8 | 183122.1 | S |
| 60.358 | 0.0000 | 0.0000 | 84.280 | 0.11114 | 0.00000 | 319537.6 | 118618.2 | 183122.1 | S |
| 60.367 | 0.0000 | 0.0000 | 84.279 | 0.11111 | 0.00000 | 319537.6 | 118621.5 | 183122.1 | S |
| 60.375 | 0.0000 | 0.0000 | 84.279 | 0.11109 | 0.00000 | 319537.6 | 118624.8 | 183122.1 | S |
| 60.383 | 0.0000 | 0.0000 | 84.279 | 0.11106 | 0.00000 | 319537.6 | 118628.2 | 183122.1 | S |
| 60.392 | 0.0000 | 0.0000 | 84.278 | 0.11103 | 0.00000 | 319537.6 | 118631.5 | 183122.1 | S |
| 60.400 | 0.0000 | 0.0000 | 84.278 | 0.11101 | 0.00000 | 319537.6 | 118634.8 | 183122.1 | S |
| 60.408 | 0.0000 | 0.0000 | 84.278 | 0.11098 | 0.00000 | 319537.6 | 118638.1 | 183122.1 | S |
| 60.417 | 0.0000 | 0.0000 | 84.277 | 0.11095 | 0.00000 | 319537.6 | 118641.5 | 183122.1 | S |
| 60.425 | 0.0000 | 0.0000 | 84.277 | 0.11093 | 0.00000 | 319537.6 | 118644.8 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate (ftiss) | Outside <br> Recharge (ft/day) | Stage Elevation (ft datum) | Infileration Rate ( $\mathrm{ft}^{3 / \mathrm{s}} \mathrm{s}$ ) | Overfiow Discharge ( $\mathrm{ft}^{3 / 5}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume $\left\langle\mathrm{f}^{3}\right\rangle$ | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 60.433 | 0.0000 | 0.0000 | 84.277 | 0.11090 | 0.00000 | 319537.6 | 118648.1 | 183122.1 | S |
| 60.442 | 0.0000 | 0.0000 | 84.276 | 0.11087 | 0.00000 | 319537.6 | 118651.5 | 183122.1 | S |
| 60.450 | 0.0000 | 0.0000 | 84.276 | 0.11085 | 0.00000 | 319537.6 | 118654.8 | 183122.1 | S |
| 60.458 | 0.0000 | 0.0000 | 84.276 | 0.11082 | 0.00000 | 319537.6 | 118658.1 | 183122.1 | S |
| 60.467 | 0.0000 | 0.0000 | 84.275 | 0.11079 | 0.00000 | 319537.6 | 118661.4 | 183122.1 | S |
| 60.475 | 0.0000 | 0.0000 | 84.275 | 0.11077 | 0.00000 | 319537.6 | 118664.8 | 183122.1 | S |
| 60.483 | 0.0000 | 0.0000 | 84.275 | 0.11074 | 0.00000 | 319537.6 | \$18668.1 | 183122.1 | S |
| 60.492 | 0.0000 | 0.0000 | 84.274 | 0.11071 | 0.00000 | 319537.6 | 118671.4 | 183122.1 | S |
| 60.500 | 0.0000 | 0.0000 | 84.274 | 0.11069 | 0.00000 | 319537.6 | 118674.7 | 183122.1 | S |
| 60.508 | 0.0000 | 0.0000 | 84.274 | 0.11066 | 0.00000 | 319537.6 | 118678.0 | 183122.1 | S |
| 60.517 | 0.0000 | 0.0000 | 84.274 | 0.11063 | 0.00000 | 319537.6 | 118681.4 | 183122.1 | S |
| 60.525 | 0.0000 | 0.0000 | 84.273 | 0.11061 | 0.00000 | 319537.6 | 118684.7 | 183122.1 | S |
| 60.533 | 0.0000 | 0.0000 | 84.273 | 0.11058 | 0.00000 | 319537.6 | 118688.0 | 183122.1 | S |
| 60.542 | 0.0000 | 0.0000 | 84.273 | 0.11055 | 0.00000 | 319537.6 | 118691.3 | 183122.1 | S |
| 60.550 | 0.0000 | 0.0000 | 84.272 | 0.11053 | 0.00000 | 319537.6 | 118694.6 | 183122.1 | S |
| 60.558 | 0.0000 | 0.0000 | 84.272 | 0.11050 | 0.00000 | 319537.6 | 118697.9 | 183!22.1 | S |
| 60.567 | 0.0000 | 0.0000 | 84.272 | 0.11047 | 0.00000 | 319537.6 | 118701.3 | 183122.1 | S |
| 60.575 | 0.0000 | 0.0000 | 84.271 | 0.11045 | 0.00000 | 319537.6 | 118704.6 | 183122.1 | S |
| 60.583 | 0.0000 | 0.0000 | 84.271 | 0.11042 | 0.00000 | 319537.6 | 118707.9 | 183122.1 | S |
| 60.592 | 0.0000 | 0.0000 | 84.271 | 0.11039 | 0.00000 | 319537.6 | 118711.2 | 183122.1 | S |
| 60.600 | 0.0000 | 0.0000 | 84.270 | 0.11037 | 0.00000 | 319537.6 | 118714.5 | 183122.1 | S |
| 60.608 | 0.0000 | 0.0000 | 84.270 | 0.11034 | 0.00000 | 319537.6 | 118717.8 | 183122.1 | S |
| 60.617 | 0.0000 | 0.0000 | 84.270 | 0.11031 | 0.00000 | 319537.6 | 118721.1 | 183122.1 | S |
| 60.625 | 0.0000 | 0.0000 | 84.269 | 0.11029 | 0.00000 | 319537.6 | 118724.4 | 183122.1 | S |
| 60.633 | 0.0000 | 0.0000 | 84.269 | 0.11026 | 0.00000 | 319537.6 | 118727.7 | 183122.1 | S |
| 60.642 | 0.0000 | 0.0000 | 84.269 | 0.11023 | 0.00000 | 319537.6 | 118731.1 | 183122.1 | S |
| 60.650 | 0.0000 | 0.0000 | 84.268 | 0.11021 | 0.00000 | 319537.6 | 118734.4 | 183122.1 | S |
| 60.658 | 0.0000 | 0.0000 | 84.268 | 0.11018 | 0.00000 | 319537.6 | 118737.7 | 183122.1 | S |
| 60.667 | 0.0000 | 0.0000 | 84.268 | 0.11015 | 0.00000 | 319537.6 | 118741.0 | 183122.1 | S |
| 60.675 | 0.0000 | 0.0000 | 84.268 | 0.11013 | 0.00000 | 319537.6 | 118744.3 | 183122.1 | S |
| 60.683 | 0.0000 | 0.0000 | 84.267 | 0.11010 | 0.00000 | 319537.6 | \$18747.6 | 183122.1 | S |
| 60.692 | 0.0000 | 0.0000 | 84.267 | 0.11007 | 0.00000 | 319537.6 | 118750.9 | 183122.1 | S |
| 60.700 | 0.0000 | 0.0000 | 84.267 | 0.11005 | 0.00000 | 319537.6 | 118754.2 | 183122.1 | S |
| 60.708 | 0.0000 | 0.0000 | 84.266 | 0.11002 | 0.00000 | 319537.6 | 178757.5 | 183122.1 | S |
| 60.717 | 0.0000 | 0.0000 | 84.266 | 0.10999 | 0.00000 | 319537.6 | 178760.8 | 183122.1 | S |
| 60.725 | 0.0000 | 0.0000 | 84.266 | 0.10997 | 0.00000 | 319537.6 | 118764.1 | 183122.1 | S |
| 60.733 | 0.0000 | 0.0000 | 84.265 | 0.10994 | 0.00000 | 319537.6 | 118767.4 | 183122.1 | S |
| 60.742 | 0.0000 | 0.0000 | 84.265 | 0.10991 | 0.00000 | 319537.6 | 118770.7 | 183122.1 | S |
| 60.750 | 0.0000 | 0.0000 | 84.265 | 0.10989 | 0.00000 | 319537.6 | 118774.0 | 183122.1 | S |
| 60.758 | 0.0000 | 0.0000 | 84.264 | 0.10986 | 0.00000 | 319537.6 | 118777.3 | 183122.1 | S |
| 60.767 | 0.0000 | 0.0000 | 84.264 | 0.10984 | 0.00000 | 319537.6 | 118780.6 | 183122.1 | S |
| 60.775 | 0.0000 | 0.0000 | 84.264 | 0.10981 | 0.00000 | 319537.6 | 118783.9 | 183122.1 | S |
| 60.783 | 0.0000 | 0.0000 | 84.263 | 0.10978 | 0.00000 | 319537.6 | 118787.2 | 183122.1 | S |
| 60.792 | 0.0000 | 0.0000 | 84.263 | 0.10976 | 0.00000 | 319537.6 | 118790.5 | 183122.1 | S |
| 60.800 | 0.0000 | 0.0000 | 84.263 | 0.10973 | 0.00000 | 319537.6 | 118793.7 | 183122.1 | S |
| 60.808 | 0.0000 | 0.0000 | 84.262 | 0.10970 | 0.00000 | 319537.6 | 118797.0 | 183122.1 | S |
| 60.817 | 0.0000 | 0.0000 | 84.262 | 0.10968 | 0.00000 | 319537.6 | 118800.3 | 183122.1 | S |
| 60.825 | 0.0000 | 0.0000 | 84.262 | 0.10965 | 0.00000 | 319537.6 | 118803.6 | 183122.1 | S |
| 60.833 | 0.0000 | 0.0000 | 84.262 | 0.10962 | 0.00000 | 319537.6 | 118806.9 | 183122.1 | S |
| 60.842 | 0.0000 | 0.0000 | 84.261 | 0.10960 | 0.00000 | 319537.6 | 118810.2 | 183122.1 | S |
| 60.850 | 0.0000 | 0.0000 | 84.263 | 0.10957 | 0.00000 | 319537.6 | 118813.5 | 183122.1 | S |
| 60.858 | 0.0000 | 0.0000 | 84.261 | 0.10954 | 0.00000 | 319537.6 | \$18816.8 | 183122.1 | S |
| 60.867 | 0.0000 | 0.0000 | 84.260 | 0.10952 | 0.00000 | 319537.6 | \$18820.1 | 183122.1 | S |
| 60.875 | 0.0000 | 0.0000 | 84.260 | 0.10949 | 0.00000 | 319537.6 | 118823.3 | 183122.1 | S |
| 60.883 | 0.0000 | 0.0000 | 84.260 | 0.10947 | 0.00000 | 319537.6 | 118826.6 | 183122.1 | S |
| 60.892 | 0.0000 | 0.0000 | 84.259 | 0.10944 | 0.00000 | 319537.6 | 118829.9 | 183122.1 | S |
| 60.900 | 0.0000 | 0.0000 | 84.259 | 0.10941 | 0.00000 | 319537.6 | 118833.2 | 183122.1 | S |
| 60.908 | 0.0000 | 0.0000 | 84.259 | 0.10939 | 0.00000 | 319537.6 | 118836.5 | 183122.1 | S |
| 60.917 | 0.0000 | 0.0000 | 84.258 | 0.10936 | 0.00000 | 319537.6 | 118839.8 | 183122.1 | S |
| 60.925 | 0.0000 | 0.0000 | 84.258 | 0.10933 | 0.00000 | 319537.6 | 118843.0 | 183122.1 | S |
| 60.933 | 0.0000 | 0.0000 | 84.258 | 0.10931 | 0.00000 | 319537.6 | 118846.3 | 183122.1 | S |
| 60.942 | 0.0000 | 0.0000 | 84.257 | 0.10928 | 0.00000 | 319537.6 | 118849.6 | 183122.1 | S |
| 60.950 | 0.0000 | 0.0000 | 84.257 | 0.10926 | 0.00000 | 319537.6 | 118852.9 | 183122.1 | S |
| 60.958 | 0.0000 | 0.0000 | 84.257 | 0.10923 | 0.00000 | 319537.6 | 118856.1 | 183122.1 | S |
| 60.967 | 0.0000 | 0.0000 | 84.256 | 0.10920 | 0.00000 | 319537.6 | 118859.4 | 183122.1 | S |
| 60.975 | 0.0000 | 0.0000 | 84.256 | 0.10918 | 0.00000 | 319537.6 | 118862.7 | 183122.1 | S |
| 60.983 | 0.0000 | 0.0000 | 84.256 | 0.10915 | 0.00000 | 319537.6 | 118866.0 | 183122.1 | S |
| 60.992 | 0.0000 | 0.0000 | 84.256 | 0.10912 | 0.00000 | 319537.6 | 118869.3 | 183122.1 | S |
| 61.000 | 0.0000 | 0.0000 | 84.255 | 0.10910 | 0.00000 | 319537.6 | 118872.5 | 183122.1 | S |
| 61.008 | 0.0000 | 0.0000 | 84.255 | 0.10907 | 0.00000 | 319537.6 | 118875.8 | 183122.1 | S |
| 61.017 | 0.0000 | 0.0000 | 84.255 | 0.10905 | 0.00000 | 319537.6 | 118879.1 | 183122.1 | S |
| 61.025 | 0.0000 | 0.0000 | 84.254 | 0.10902 | 0.00000 | 319537.6 | 118882.3 | 183122.1 | S |
| 61.033 | 0.0000 | 0.0000 | 84.254 | 0.10899 | 0.00000 | 319537.6 | 118885.6 | 183122.1 | S |
| 61.042 | 0.0000 | 0.0000 | 84.254 | 0.10897 | 0.00000 | 319537.6 | 118888.9 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario $1::$ pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | Inflow Rate (fishs) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate (ft ${ }^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 61.050 | 0.0000 | 0.0000 | 84.253 | 0.10894 | 0.00000 | 319537.6 | 118892.1 | 183122.1 | S |
| 61.058 | 0.0000 | 0.0000 | 84.253 | 0.10891 | 0.00000 | 319537.6 | 118895.4 | 183122.1 | S |
| 61.067 | 0.0000 | 0.0000 | 84.253 | 0.10889 | 0.00000 | 319537.6 | 118898.7 | 183122.1 | S |
| 61.075 | 0.0000 | 0.0000 | 84.252 | 0.10886 | 0.00000 | 319537.6 | 118901.9 | 183122.1 | S |
| 61.083 | 0.0000 | 0.0000 | 84.252 | 0.10884 | 0.00000 | 319537.6 | 118905.2 | 183122.1 | S |
| 61.092 | 0.0000 | 0.0000 | 84.252 | 0.10881 | 0.00000 | 319537.6 | 118908.5 | 183122.1 | S |
| 61.100 | 0.0000 | 0.0000 | 84.251 | 0.10878 | 0.00000 | 319537.6 | 118911.7 | 183122.1 | S |
| 61.108 | 0.0000 | 0.0000 | 84.251 | 0.10876 | 0.00000 | 319537.6 | 118915.0 | 183122.1 | S |
| 61.117 | 0.0000 | 0.0000 | 84.251 | 0.10873 | 0.00000 | 319537.6 | 118918.3 | 183122.1 | S |
| 61.125 | 0.0000 | 0.0000 | 84.251 | 0.10871 | 0.00000 | 319537.6 | 118921.5 | 183122.1 | S |
| 61.133 | 0.0000 | 0.0000 | 84.250 | 0.10868 | 0.00000 | 319537.6 | 118924.8 | 183122.1 | S |
| 61.142 | 0.0000 | 0.0000 | 84.250 | 0.10865 | 0.00000 | 319537.6 | 118928.0 | 183122.1 | S |
| 61.150 | 0.0000 | 0.0000 | 84.250 | 0.10863 | 0.00000 | 319537.6 | 118931.3 | 183122.1 | S |
| 61.158 | 0.0000 | 0.0000 | 84.249 | 0.10860 | 0.00000 | 319537.6 | 118934.6 | 183122.1 | S |
| 61.167 | 0.0000 | 0.0000 | 84.249 | 0.10858 | 0.00000 | 319537.6 | 118937.8 | 183122.1 | S |
| 61.175 | 0.0000 | 0.0000 | 84.249 | 0.10855 | 0.00000 | 319537.6 | 118941.1 | 183122.1 | S |
| 61.183 | 0.0000 | 0.0000 | 84.248 | 0.10852 | 0.00000 | 319537.6 | 118944.3 | 183122.1 | S |
| 61.192 | 0.0000 | 0.0000 | 84.248 | 0.10850 | 0.00000 | 319537.6 | 118947.6 | 183122.1 | S |
| 61.200 | 0.0000 | 0.0000 | 84.248 | 0.10847 | 0.00000 | 319537.6 | 118950.8 | 183122.1 | S |
| 61.208 | 0.0000 | 0.0000 | 84.247 | 0.10845 | 0.00000 | 319537.6 | 118954.1 | 183122.1 | S |
| 61.217 | 0.0000 | 0.0000 | 84.247 | 0.10842 | 0.00000 | 319537.6 | 118957.4 | 183122.1 | S |
| 61.225 | 0.0000 | 0.0000 | 84.247 | 0.10839 | 0.00000 | 319537.6 | 118960.6 | 183122.1 | S |
| 61.233 | 0.0000 | 0.0000 | 84.246 | 0.10837 | 0.00000 | 319537.6 | 118963.9 | 183122.1 | S |
| 61.242 | 0.0000 | 0.0000 | 84.246 | 0.10834 | 0.00000 | 319537.6 | 118967.1 | 183122.1 | S |
| 61.250 | 0.0000 | 0.0000 | 84.246 | 0.10832 | 0.00000 | 319537.6 | 118970.4 | 183122.1 | S |
| 61.258 | 0.0000 | 0.0000 | 84.245 | 0.10829 | 0.00000 | 319537.6 | 118973.6 | 183122. | S |
| 61.267 | 0.0000 | 0.0000 | 84.245 | 0.10826 | 0.00000 | 319537.6 | 118976.9 | 183122.1 | S |
| 61.275 | 0.0000 | 0.0000 | 84.245 | 0.10824 | 0.00000 | 319537.6 | 118980.1 | 183122.1 | S |
| 61.283 | 0.0000 | 0.0000 | 84.245 | 0.10821 | 0.00000 | 319537.6 | 118983.3 | 183122.1 | S |
| 61.292 | 0.0000 | 0.0000 | 84.244 | 0.10819 | 0.00000 | 319537.6 | 118986.6 | 183122.1 | 5 |
| 61.300 | 0.0000 | 0.0000 | 84.244 | 0.10816 | 0.00000 | 319537.6 | 118989.8 | 183122.1 | S |
| 61.308 | 0.0000 | 0.0000 | 84.244 | 0.10813 | 0.00000 | 319537.6 | 118993.1 | 183122.1 | 5 |
| 61.317 | 0.0000 | 0.0000 | 84.243 | 0.10811 | 0.00000 | 319537.6 | 118996.3 | 183122.1 | S |
| 61.325 | 0.0000 | 0.0000 | 84.243 | 0.10808 | 0.00000 | 319537.6 | 118999.6 | 183122.1 | S |
| 61.333 | 0.0000 | 0.0000 | 84.243 | 0.10806 | 0.00000 | 319537.6 | 119002.8 | 183122.1 | 5 |
| 61.342 | 0.0000 | 0.0000 | 84.242 | 0.10803 | 0.00000 | 319537.6 | 119006.1 | 183122.1 | S |
| 61.350 | 0.0000 | 0.0000 | 84.242 | 0.10800 | 0.00000 | 319537.6 | 119009.3 | 183122.1 | S |
| 61.358 | 0.0000 | 0.0000 | 84.242 | 0.10798 | 0.00000 | 319537.6 | 119012.5 | 183122.1 | 5 |
| 61.367 | 0.0000 | 0.0000 | 84.241 | 0.10795 | 0.00000 | 319537.6 | 119015.8 | 183122.1 | S |
| 61.375 | 0.0000 | 0.0000 | 84.241 | 0.10793 | 0.00000 | 319537.6 | 119019.0 | 183122.1 | S |
| 61.383 | 0.0000 | 0.0000 | 84.241 | 0.10790 | 0.00000 | 319537.6 | 119022.3 | 183122.1 | S |
| 61.392 | 0.0000 | 0.0000 | 84.240 | 0.10788 | 0.00000 | 319537.6 | 119025.5 | 183122.1 | 5 |
| 61.400 | 0.0000 | 0.0000 | 84.240 | 0.10785 | 0.00000 | 319537.6 | 119028.7 | 183122.1 | S |
| 61.408 | 0.0000 | 0.0000 | 84.240 | 0.10782 | 0.00000 | 319537.6 | 119032.0 | 183122.1 | S |
| 61.417 | 0.0000 | 0.0000 | 84.240 | 0.10780 | 0.00000 | 319537.6 | 119035.2 | 183122.1 | S |
| 61.425 | 0.0000 | 0.0000 | 84.239 | 0.10777 | 0.00000 | 319537.6 | 119038.4 | \$83122.1 | S |
| 61.433 | 0.0000 | 0.0000 | 84.239 | 0.10775 | 0.00000 | 319537.6 | 119041.7 | 183122.1 | S |
| 61.442 | 0.0000 | 0.0000 | 84.239 | 0.10772 | 0.00000 | 319537.6 | 119044.9 | 183122.1 | S |
| 61.450 | 0.0000 | 0.0000 | 84.238 | 0.10769 | 0.00000 | 319537.6 | 119048.1 | 183122.1 | S |
| 61.458 | 0.0000 | 0.0000 | 84.238 | 0.10767 | 0.00000 | 319537.6 | 119051.4 | 183122.1 | S |
| 61.467 | 0.0000 | 0.0000 | 84.238 | 0.10764 | 0.00000 | 319537.6 | 119054.6 | 183122.1 | S |
| 61.475 | 0.0000 | 0.0000 | 84.237 | 0.10762 | 0.00000 | 319537.6 | 119057.8 | 183122.1 | S |
| 61.483 | 0.0000 | 0.0000 | 84.237 | 0.10759 | 0.00000 | 319537.6 | 119061.0 | 183122.1 | S |
| 61.492 | 0.0000 | 0.0000 | 84.237 | 0.10757 | 0.00000 | 319537.6 | 119064.3 | 183122.1 | S |
| 61.500 | 0.0000 | 0.0000 | 84.236 | 0.10754 | 0.00000 | 319537.6 | 119067.5 | 183122.1 | S |
| 61.508 | 0.0000 | 0.0000 | 84.236 | 0.10751 | 0.00000 | 319537.6 | 119070.7 | 183122.1 | S |
| 61.517 | 0.0000 | 0.0000 | 84.236 | 0.10749 | 0.00000 | 319537.6 | 119073.9 | 183122.1 | S |
| 61.525 | 0.0000 | 0.0000 | 84.235 | 0.10746 | 0.00000 | 319537.6 | 119077.2 | 183122.1 | S |
| 61.533 | 0.0000 | 0.0000 | 84.235 | 0.10744 | 0.00000 | 319537.6 | 119080.4 | 183122.1 | S |
| 61.542 | 0.0000 | 0.0000 | 84.235 | 0.10741 | 0.00000 | 319537.6 | 119083.6 | 183122.1 | S |
| 61.550 | 0.0000 | 0.0000 | 84.235 | 0.10739 | 0.00000 | 319537.6 | 119086.8 | 183122.1 | S |
| 61.558 | 0.0000 | 0.0000 | 84.234 | 0.10736 | 0.00000 | 319537.6 | 119090.1 | 183122.1 | S |
| 61.567 | 0.0000 | 0.0000 | 84.234 | 0.10733 | 0.00000 | 319537.6 | 119093.3 | 183122.1 | S |
| 61.575 | 0.0000 | 0.0000 | 84.234 | 0.10731 | 0.00000 | 319537.6 | 119096.5 | 183122.1 | S |
| 61.583 | 0.0000 | 0.0000 | 84.233 | 0.10728 | 0.00000 | 319537.6 | 119099.7 | 183122.1 | S |
| 61.592 | 0.0000 | 0.0000 | 84.233 | 0.10726 | 0.00000 | 319537.6 | 119102.9 | 183122.1 | S |
| 61.600 | 0.0000 | 0.0000 | 84.233 | 0.10723 | 0.00000 | 319537.6 | 119106.1 | 183122.1 | S |
| 61.608 | 0.0000 | 0.0000 | 84.232 | 0.10721 | 0.00000 | 319537.6 | 119109.4 | 183122.1 | S |
| 61.617 | 0.0000 | 0.0000 | 84.232 | 0.10718 | 0.00000 | 319537.6 | 119112.6 | 183122.1 | S |
| 61.625 | 0.0000 | 0.0000 | 84.232 | 0.10715 | 0.00000 | 319537.6 | 119115.8 | 183122.1 | S |
| 61.633 | 0.0000 | 0.0000 | 84.231 | 0.10713 | 0.00000 | 319537.6 | 119119.0 | 183122.1 | S |
| 61.642 | 0.0000 | 0.0000 | 84.231 | 0.10710 | 0.00000 | 319537.6 | 119122.2 | 183122.1 | S |
| 61.650 | 0.0000 | 0.0000 | 84.231 | 0.10708 | 0.00000 | 319537.6 | 119125.4 | 183122.1 | 5 |
| 61.658 | 0.0000 | 0.0000 | 84.230 | 0.10705 | 0.00000 | 319537.6 | 119128.6 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infitration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overfow Discharge ( $\mathrm{f}^{3 / 3} \mathrm{~s}$ ) | Cumulative Inflow Volume ( $\mathrm{ff}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 61.667 | 0.0000 | 0.0000 | 84.230 | 0.10703 | 0.00000 | 319537.6 | 119131.9 | 183122.1 | S |
| 61.675 | 0.0000 | 0.0000 | 84.230 | 0.10700 | 0.00000 | 319537.6 | 119135.1 | 183122.1 | S |
| 61.683 | 0.0000 | 0.0000 | 84.230 | 0.10698 | 0.00000 | 318537.6 | 119138.3 | 183122.1 | S |
| 61.692 | 0.0000 | 0.0000 | 84.229 | 0.10695 | 0.00000 | 318537.6 | 119141.5 | 183122.1 | 5 |
| 61.700 | 0.0000 | 0.0000 | 84.229 | 0.10692 | 0.00000 | 319537.6 | 119144.7 | 183122.1 | S |
| 61.708 | 0.0000 | 0.0000 | 84.229 | 0.10690 | 0.00000 | 319537.6 | 119147.9 | 183122.4 | 5 |
| 61.717 | 0.0000 | 0.0000 | 84.228 | 0.10687 | 0.00000 | 319537.6 | 119151.1 | 183122.1 | S |
| 61.725 | 0.0000 | 0.0000 | 84.228 | 0.10685 | 0.00000 | 319537.6 | 119154.3 | 183122.1 | S |
| 61.733 | 0.0000 | 0.0000 | 84.228 | 0.10682 | 0.00000 | 319537.6 | 119157.5 | 183122.1 | 5 |
| 61.742 | 0.0000 | 0.0000 | 84.227 | 0.10680 | 0.00000 | 319537.6 | 119160.7 | 183122.1 | S |
| 61.750 | 0.0000 | 0.0000 | 84.227 | 0.10677 | 0.00000 | 319537.6 | 119163.9 | 183122.1 | S |
| 61.758 | 0.0000 | 0.0000 | 84.227 | 0.10675 | 0.00000 | 319537.6 | 119167.1 | 183122.1 | S |
| 61.767 | 0.0000 | 0.0000 | 84.226 | 0.10672 | 0.00000 | 319537.6 | 119170.3 | 183122.1 | S |
| 61.775 | 0.0000 | 0.0000 | 84.226 | 0.10670 | 0.00000 | 319537.6 | 119173.5 | 183122.1 | S |
| 61.783 | 0.0000 | 0.0000 | 84.226 | 0.10667 | 0.00000 | 319537.6 | 119176.7 | 183122.1 | S |
| 61.792 | 0.0000 | 0.0000 | 84.225 | 0.10864 | 0.00000 | 319537.6 | 119179.9 | 183122.1 | S |
| 61.800 | 0.0000 | 0.0000 | 84.225 | 0.10662 | 0.00000 | 319537.6 | $\$ 19183.1$ | 183122.1 | S |
| 61.808 | 0.0000 | 0.0000 | 84.225 | 0.10659 | 0.00000 | 319537.6 | 119186.3 | 183122.1 | S |
| 61.817 | 0.0000 | 0.0000 | 84.225 | 0.10657 | 0.00000 | 319537.6 | 119189.5 | 183122.1 | S |
| 61.825 | 0.0000 | 0.0000 | 84.224 | 0.10654 | 0.00000 | 319537.6 | 119192.7 | 183122.1 | S |
| 61.833 | 0.0000 | 0.0000 | 84.224 | 0.10652 | 0.00000 | 319537.6 | 119195.9 | 183122.1 | S |
| 61.842 | 0.0000 | 0.0000 | 84.224 | 0.10649 | 0.00000 | 319537.6 | 119199.1 | 183122.1 | S |
| 61.850 | 0.0000 | 0.0000 | 84.223 | 0.10647 | 0.00000 | 319537.6 | 119202.3 | 183122.1 | S |
| 61.858 | 0.0000 | 0.0000 | 84.223 | 0.10644 | 0.00000 | 319537.6 | 119205.5 | \{83122.1 | S |
| 61.867 | 0.0000 | 0.0000 | 84.223 | 0.10642 | 0.00000 | 319537.6 | 119208.7 | 183122.1 | S |
| 61.875 | 0.0000 | 0.0000 | 84.222 | 0.10639 | 0.00000 | 319537.6 | 119211.9 | 183122.1 | S |
| 61.883 | 0.0000 | 0.0000 | 84.222 | 0.10636 | 0.00000 | 319537.6 | 119215.1 | 183122.1 | S |
| 61.892 | 0.0000 | 0.0000 | 84.222 | 0.10634 | 0.00000 | 319537.6 | 119218.3 | 183122.1 | S |
| 61.900 | 0.0000 | 0.0000 | 84.221 | 0.10631 | 0.00000 | 319537.6 | 119221.5 | 183122.1 | S |
| 61.908 | 0.0000 | 0.0000 | 84.221 | 0.10629 | 0.00000 | 319537.6 | 119224.6 | 183122.1 | S |
| 61.917 | 0.0000 | 0.0000 | 84.221 | 0.10626 | 0.00000 | 319537.6 | 119227.8 | 183122.1 | S |
| 61.925 | 0.0000 | 0.0000 | 84.220 | 0.10624 | 0.00000 | 319537.6 | 119231.0 | 183122.1 | S |
| 61.933 | 0.0000 | 0.0000 | 84.220 | 0.10621 | 0.00000 | 319537.6 | 119234.2 | 183122.1 | S |
| 61.942 | 0.0000 | 0.0000 | 84.220 | 0.10619 | 0.00000 | 319537.6 | 119237.4 | 183122.1 | 5 |
| 61.950 | 0.0000 | 0.0000 | 84.220 | 0.10616 | 0.00000 | 319537.6 | 119240.6 | 183122.1 | S |
| 61.958 | 0.0000 | 0.0000 | 84.219 | 0.10614 | 0.00000 | 319537.6 | 119243.8 | 183122.1 | S |
| 61.967 | 0.0000 | 0.0000 | 84.219 | 0.10611 | 0.00000 | 319537.6 | 119247.0 | 183122.1 | S |
| 61.975 | 0.0000 | 0.0000 | 84.219 | 0.10609 | 0.00000 | 319537.6 | 119250.1 | 183122.1 | S |
| 61.983 | 0.0000 | 0.0000 | 84.218 | 0.10606 | 0.00000 | 319537.6 | 119253.3 | 183122.1 | 5 |
| 61.992 | 0.0000 | 0.0000 | 84.218 | 0.10604 | 0.00000 | 319537.6 | 119256.5 | 183122.1 | S |
| 62.000 | 0.0000 | 0.0000 | 84.218 | 0.10601 | 0.00000 | 319537.6 | 119259.7 | 183122.1 | S |
| 62.008 | 0.0000 | 0.0000 | 84.217 | 0.10599 | 0.00000 | 319537.6 | 119262.9 | 183122.1 | S |
| 62.017 | 0.0000 | 0.0000 | 84.217 | 0.10596 | 0.00000 | 319537.6 | 119266.0 | 183122.1 | S |
| 62.025 | 0.0000 | 0.0000 | 84.217 | 0.10593 | 0.00000 | 319537.6 | 119269.2 | 183122.1 | S |
| 62.033 | 0.0000 | 0.0000 | 84.216 | 0.10591 | 0.00000 | 319537.6 | 119272.4 | 183122.1 | S |
| 62.042 | 0.0000 | 0.0000 | 84.216 | 0.10588 | 0.00000 | 319537.6 | 119275.6 | 183122.1 | S |
| 62.050 | 0.0000 | 0.0000 | 84.216 | 0.10586 | 0.00000 | 319537.6 | 119278.8 | 183122.1 | S |
| 62.058 | 0.0000 | 0.0000 | 84.216 | 0.10583 | 0.00000 | 319537.6 | 119281.9 | 183122.1 | S |
| 62.067 | 0.0000 | 0.0000 | 84.215 | 0.10581 | 0.00000 | 319537.6 | 119285.1 | 183122.1 | S |
| 62.075 | 0.0000 | 0.0000 | 84.215 | 0.10578 | 0.00000 | 319537.6 | 119288.3 | 183122.1 | S |
| 62.083 | 0.0000 | 0.0000 | 84.215 | 0.10576 | 0.00000 | 319537.6 | 119291.4 | 183122.1 | S |
| 62.092 | 0.0000 | 0.0000 | 84.214 | 0.10573 | 0.00000 | 319537.6 | 119294.6 | 183122.1 | S |
| 62.100 | 0.0000 | 0.0000 | 84.214 | 0.10571 | 0.00000 | 319537.6 | 119297.8 | 183122.1 | S |
| 62.108 | 0.0000 | 0.0000 | 84.214 | 0.10568 | 0.00000 | 319537.6 | 119301.0 | 183122.1 | S |
| 62.117 | 0.0000 | 0.0000 | 84.213 | 0.10566 | 0.00000 | 319537.6 | 119304.1 | 183122.1 | S |
| 62.125 | 0.0000 | 0.0000 | 84.213 | 0.10563 | 0.00000 | 319537.6 | 119307.3 | 183122.1 | S |
| 62.133 | 0.0000 | 0.0000 | 84.213 | 0.10561 | 0.00000 | 319537.6 | 119310.5 | 183122.1 | 5 |
| 62.142 | 0.0000 | 0.0000 | 84.212 | 0.10558 | 0.00000 | 319537.6 | 119313.6 | 183122.1 | 5 |
| 62.150 | 0.0000 | 0.0000 | 84.212 | 0.10556 | 0.00000 | 319537.6 | 119316.8 | 183122.1 | S |
| 62.158 | 0.0000 | 0.0000 | 84.212 | 0.10553 | 0.00000 | 319537.6 | 119320.0 | 183122.1 | S |
| 62.167 | 0.0000 | 0.0000 | 84.211 | 0.10551 | 0.00000 | 319537.6 | 119323.1 | 183122.1 | S |
| 62.175 | 0.0000 | 0.0000 | 84.211 | 0.10548 | 0.00000 | 319537.6 | 119326.3 | 183122.1 | S |
| 62.183 | 0.0000 | 0.0000 | 84.211 | 0.10546 | 0.00000 | 319537.6 | 119329.5 | 183122.1 | S |
| 62.192 | 0.0000 | 0.0000 | 84.211 | 0.10543 | 0.00000 | 319537.6 | 119332.6 | 183122.1 | S |
| 62.200 | 0.0000 | 0.0000 | 84.210 | 0.10541 | 0.00000 | 319537.6 | 119335.8 | 183122.1 | S |
| 62.208 | 0.0000 | 0.0000 | 84.210 | 0.10538 | 0.00000 | 319537.6 | 119339.0 | 183122.1 | S |
| 62.217 | 0.0000 | 0.0000 | 84.210 | 0.10536 | 0.00000 | 319537.6 | \$19342.1 | 183122.1 | S |
| 62.225 | 0.0000 | 0.0000 | 84.209 | 0.10533 | 0.00000 | 319537.6 | 119345.3 | 183122.1 | S |
| 62.233 | 0.0000 | 0.0000 | 84.209 | 0.10531 | 0.00000 | 319537.6 | 119348.4 | 183122.1 | S |
| 62.242 | 0.0000 | 0.0000 | 84.209 | 0.10528 | 0.00000 | 319537.6 | 119351.6 | 183122.1 | S |
| 62.250 | 0.0000 | 0.0000 | 84.208 | 0.10526 | 0.00000 | 319537.6 | 119354.8 | 183122.1 | S |
| 62.258 | 0.0000 | 0.0000 | 84.208 | 0.10523 | 0.00000 | 319537.6 | 119357.9 | 183122.1 | S |
| 62.267 | 0.0000 | 0.0000 | 84.208 | 0.10521 | 0.00000 | 319537.6 | 119361.1 | 183122.1 | S |
| 62.275 | 0.0000 | 0.0000 | 84.207 | 0.10518 | 0.00000 | 319537.6 | 119364.2 | 183122.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{A}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative fnfiltration Voiume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{H}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 62.283 | 0.0000 | 0.0000 | 84.207 | 0.10516 | 0.00000 | 319537.6 | 119367.4 | 183122.1 | S |
| 62,292 | 0.0000 | 0.0000 | 84.207 | 0.10513 | 0.00000 | 319537.6 | 119370.5 | 183122.1 | S |
| 62.300 | 0.0000 | 0.0000 | 84.207 | 0.10511 | 0.00000 | 319537.6 | 119373.7 | 183122.1 | S |
| 62,308 | 0.0000 | 0.0000 | 84.206 | 0.10508 | 0.00000 | 319537.6 | 119376.8 | 183122.1 | S |
| 62.317 | 0.0000 | 0.0000 | 84.206 | 0.10506 | 0.00000 | 319537.6 | 119380.0 | 183722.1 | S |
| 62.325 | 0.0000 | 0.0000 | 84.206 | 0.10503 | 0.00000 | 319537.6 | 119383.1 | 183122.1 | S |
| 62.333 | 0.0000 | 0.0000 | 84.205 | 0.10501 | 0.00000 | 319537.6 | 119386.3 | 183122.1 | S |
| 62.342 | 0.0000 | 0.0000 | 84.205 | 0.10498 | 0.00000 | 319537.6 | 119389.4 | 183122.1 | S |
| 62.350 | 0.0000 | 0.0000 | 84.205 | 0.10496 | 0.00000 | 319537.6 | 119392.6 | 183122.1 | S |
| 62.358 | 0.0000 | 0.0000 | 84.204 | 0.10493 | 0.00000 | 319537.6 | 119395.7 | 183122.1 | S |
| 62.367 | 0.0000 | 0.0000 | 84.204 | 0.10491 | 0.00000 | 319537.6 | 119398.9 | 183122.1 | S |
| 62.375 | 0.0000 | 0.0000 | 84.204 | 0.10488 | 0.00000 | 319537.6 | 119402.0 | 183122.1 | S |
| 62.383 | 0.0000 | 0.0000 | 84.203 | 0.10486 | 0.00000 | 319537.6 | 119405.2 | 183122.1 | S |
| 62.392 | 0.0000 | 0.0000 | 84.203 | 0.10483 | 0.00000 | 319537.6 | 119408.3 | 183122.1 | S |
| 62.400 | 0.0000 | 0.0000 | 84.203 | 0.10481 | 0.00000 | 319537.6 | 119411.5 | 183122.1 | S |
| 62.408 | 0.0000 | 0.0000 | 84.203 | 0.10478 | 0.00000 | 319537.6 | 119414.6 | 183122.1 | S |
| 62.417 | 0.0000 | 0.0000 | 84.202 | 0.10476 | 0.00000 | 319537.6 | 119417.8 | 183122.1 | S |
| 62.425 | 0.0000 | 0.0000 | 84.202 | 0.10473 | 0.00000 | 319537.6 | 119420.9 | 183122.1 | S |
| 62.433 | 0.0000 | 0.0000 | 84.202 | 0.10471 | 0.00000 | 319537.6 | 119424.0 | 183122.1 | S |
| 62.442 | 0.0000 | 0.0000 | 84.201 | 0.10468 | 0.00000 | 319537.6 | 119427.2 | 183122.1 | S |
| 62.450 | 0.0000 | 0.0000 | 84.201 | 0.10466 | 0.00000 | 319537.6 | 119430.3 | 183122.1 | S |
| 62.458 | 0.0000 | 0.0000 | 84.201 | 0.10463 | 0.00000 | 319537.6 | 119433.5 | 183122.1 | S |
| 62.467 | 0.0000 | 0.0000 | 84.200 | 0.10461 | 0.00000 | 319537.6 | 119436.6 | 183122.1 | S |
| 62.475 | 0.0000 | 0.0000 | 84.200 | 0.10458 | 0.00000 | 319537.6 | 119439.7 | 183122.1 | S |
| 62.483 | 0.0000 | 0.0000 | 84.200 | 0.10456 | 0.00000 | 319537.6 | 119442.9 | 183122.1 | S |
| 62.492 | 0.0000 | 0.0000 | 84.199 | 0.10453 | 0.00000 | 319537.6 | 119446.0 | 183122.1 | S |
| 62.500 | 0.0000 | 0.0000 | 84.199 | 0.10451 | 0.00000 | 319537.6 | 119449.1 | 183122.1 | S |
| 62.508 | 0.0000 | 0.0000 | 84.199 | 0.10448 | 0.00000 | 319537.6 | 119452.3 | 183122.1 | S |
| 62.517 | 0.0000 | 0.0000 | 84.199 | 0.10446 | 0.00000 | 319537.6 | 119455.4 | 183122.1 | S |
| 62.525 | 0.0000 | 0.0000 | 84.198 | 0.10443 | 0.00000 | 319537.6 | 119458.5 | 183122.1 | S |
| 62.533 | 0.0000 | 0.0000 | 84.198 | 0.10441 | 0.00000 | 319537.6 | 119461.7 | 183122.1 | S |
| 62.542 | 0.0000 | 0.0000 | 84.198 | 0.10438 | 0.00000 | 319537.6 | 119464.8 | 183122.1 | S |
| 62.550 | 0.0000 | 0.0000 | 84.197 | 0.10436 | 0.00000 | 319537.6 | 119467.9 | 183122.1 | S |
| 62.558 | 0.0000 | 0.0000 | 84.197 | 0.10434 | 0.00000 | 319537.6 | 119471.1 | 183122.1 | S |
| 62.567 | 0.0000 | 0.0000 | 84.197 | 0.10431 | 0.00000 | 319537.6 | 119474.2 | 183122.1 | S |
| 62.575 | 0.0000 | 0.0000 | 84.196 | 0.10429 | 0.00000 | 319537.6 | 119477.3 | 183122.1 | S |
| 62.583 | 0.0000 | 0.0000 | 84.196 | 0.10426 | 0.00000 | 319537.6 | 119480.5 | 183122.1 | S |
| 62.592 | 0.0000 | 0.0000 | 84.196 | 0.10424 | 0.00000 | 319537.6 | 119483.6 | 183122.1 | S |
| 62.600 | 0.0000 | 0.0000 | 84.195 | 0.10421 | 0.00000 | 319537.6 | 119486.7 | 183122.1 | S |
| 62.608 | 0.0000 | 0.0000 | 84.195 | 0.10419 | 0.00000 | 319537.6 | 119489.8 | 183122.1 | S |
| 62.617 | 0.0000 | 0.0000 | 84.195 | 0.10416 | 0.00000 | 319537.6 | 119493.0 | 183122.1 | S |
| 62.625 | 0.0000 | 0.0000 | 84.195 | 0.10414 | 0.00000 | 319537.6 | 119496.1 | 183122.1 | S |
| 62.633 | 0.0000 | 0.0000 | 84.194 | 0.10411 | 0.00000 | 319537.6 | 119499.2 | 183122.1 | S |
| 62.642 | 0.0000 | 0.0000 | 84.194 | 0.10409 | 0.00000 | 319537.6 | 119502.3 | 183122.1 | S |
| 62.650 | 0.0000 | 0.0000 | 84.194 | 0.10406 | 0.00000 | 319537.6 | 119505.5 | 183122.1 | S |
| 62.658 | 0.0000 | 0.0000 | 84.193 | 0.10404 | 0.00000 | 319537.6 | 119508.6 | 183122.1 | S |
| 62.667 | 0.0000 | 0.0000 | 84.193 | 0.10401 | 0.00000 | 319537.6 | 119511.7 | 183122.1 | S |
| 62.675 | 0.0000 | 0.0000 | 84.193 | 0.10399 | 0.00000 | 319537.6 | 119514.8 | 183122.1 | S |
| 62.683 | 0.0000 | 0.0000 | 84.192 | 0.10396 | 0.00000 | 319537.6 | 119517.9 | 183122.1 | S |
| 62.692 | 0.0000 | 0.0000 | 84.192 | 0.10394 | 0.00000 | 319537.6 | 119521.1 | 183122.1 | S |
| 62.700 | 0.0000 | 0.0000 | 84.192 | 0.10392 | 0.00000 | 319537.6 | 119524.2 | 183122.1 | S |
| 62.708 | 0.0000 | 0.0000 | 84.191 | 0.10389 | 0.00000 | 319537.6 | 119527.3 | 183122.1 | S |
| 62.717 | 0.0000 | 0.0000 | 84.191 | 0.10387 | 0.00000 | 319537.6 | 119530.4 | 183122.1 | S |
| 62.725 | 0.0000 | 0.0000 | 84.191 | 0.10384 | 0.00000 | 319537.6 | 119533.5 | 183122.1 | S |
| 62.733 | 0.0000 | 0.0000 | 84.191 | 0.10382 | 0.00000 | 319537.6 | 119536.6 | 183122.1 | S |
| 62.742 | 0.0000 | 0.0000 | 84.190 | 0.10379 | 0.00000 | 319537.6 | 119539.8 | 183122.1 | S |
| 62.750 | 0.0000 | 0.0000 | 84.190 | 0.10377 | 0.00000 | 319537.6 | 119542.9 | 183122.1 | S |
| 62.758 | 0.0000 | 0.0000 | 84.190 | 0.10374 | 0.00000 | 319537.6 | 119546.0 | 183122.1 | S |
| 62.767 | 0.0000 | 0.0000 | 84.189 | 0.10372 | 0.00000 | 319537.6 | 119549.1 | 183122.1 | S |
| 62.775 | 0.0000 | 0.0000 | 84.189 | 0.10369 | 0.00000 | 319537.6 | 119552.2 | 183122.1 | S |
| 62.783 | 0.0000 | 0.0000 | 84.189 | 0.10367 | 0.00000 | 319537.6 | 119555.3 | 183122.1 | S |
| 62.792 | 0.0000 | 0.0000 | 84.188 | 0.10365 | 0.00000 | 319537.6 | 119558.4 | 183122.1 | S |
| 62.800 | 0.0000 | 0.0000 | 84.188 | 0.10362 | 0.00000 | 319537.6 | 119561.5 | 183122.1 | S |
| 62.808 | 0.0000 | 0.0000 | 84.188 | 0.10360 | 0.00000 | 319537.6 | 119564.6 | 183122.1 | S |
| 62.817 | 0.0000 | 0.0000 | 84.187 | 0.10357 | 0.00000 | 319537.6 | 119567.8 | 183122.1 | S |
| 62.825 | 0.0000 | 0.0000 | 84.187 | 0.10355 | 0.00000 | 319537.6 | 119570.9 | 183122.1 | S |
| 62.833 | 0.0000 | 0.0000 | 84.187 | 0.10352 | 0.00000 | 319537.6 | 119574.0 | 183122.1 | S |
| 62.842 | 0.0000 | 0.0000 | 84.187 | 0.10350 | 0.00000 | 319537.6 | 119577.1 | 183122.1 | S |
| 62.850 | 0.0000 | 0.0000 | 84.186 | 0.10347 | 0.00000 | 319537.6 | 119580.2 | 183122.1 | S |
| 62.858 | 0.0000 | 0.0000 | 84.186 | 0.10345 | 0.00000 | 319537.6 | 119583.3 | 183122.1 | S |
| 62.867 | 0.0000 | 0.0000 | 84.186 | 0.10342 | 0.00000 | 319537.6 | 119586.4 | 183122.1 | S |
| 62.875 | 0.0000 | 0.0000 | 84.185 | 0.10340 | 0.00000 | 319537.6 | 119589.5 | 183122.1 | S |
| 62.883 | 0.0000 | 0.0000 | 84.185 | 0.10338 | 0.00000 | 319537.6 | 119592.6 | 183122.1 | S |
| 62.892 | 0.0000 | 0.0000 | 84.185 | 0.10335 | 0.00000 | 319537.6 | 119595.7 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/overflow

| Elapsed Time (hours) | inflow Rate (fi3/s) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{fl}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{fl}^{3 /} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{a}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Fiow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 62.900 | 0.0000 | 0.0000 | 84.184 | 0.10333 | 0.00000 | 319537.6 | 119598.8 | 183122.1 | S |
| 62.908 | 0.0000 | 0.0000 | 84.184 | 0.10330 | 0.00000 | 319537.6 | 119601.9 | 183122.1 | S |
| 62.917 | 0.0000 | 0.0000 | 84.184 | 0.10328 | 0.00000 | 319537.6 | 119605.0 | 183122.1 | S |
| 62.925 | 0.0000 | 0.0000 | 84.183 | 0.10325 | 0.00000 | 319537.6 | 119608.1 | 183122.1 | S |
| 62.933 | 0.0000 | 0.0000 | 84.183 | 0.10323 | 0.00000 | 319537.6 | 119611.2 | 183122.1 | S |
| 62.942 | 0.0000 | 0.0000 | 84.183 | 0.10320 | 0.00000 | 319537.6 | 119614.3 | 183122.1 | S |
| 62.950 | 0.0000 | 0.0000 | 84.183 | 0.10318 | 0.00000 | 319537.6 | 119617.4 | 183122.1 | S |
| 62.958 | 0.0000 | 0.0000 | 84.182 | 0.10316 | 0.00000 | 319537.6 | 119620.5 | 183122.1 | S |
| 62.967 | 0.0000 | 0.0000 | 84.182 | 0.10313 | 0.00000 | 319537.6 | 119623.6 | 183122.1 | S |
| 62.975 | 0.0000 | 0.0000 | 84.182 | 0.10311 | 0.00000 | 319537.6 | 119626.6 | 183122.1 | S |
| 62.983 | 0.0000 | 0.0000 | 84.181 | 0.10308 | 0.00000 | 319537.6 | 119629.7 | 183122.1 | S |
| 62.992 | 0.0000 | 0.0000 | 84.181 | 0.10306 | 0.00000 | 319537.6 | 119632.8 | 183122.1 | S |
| 63.000 | 0.0000 | 0.0000 | 84.181 | 0.10303 | 0.00000 | 319537.6 | 119635.9 | 183122.1 | S |
| 63.008 | 0.0000 | 0.0000 | 84.180 | 0.10301 | 0.00000 | 319537.6 | 119639.0 | 183122.1 | S |
| 63.017 | 0.0000 | 0.0000 | 84.180 | 0.10299 | 0.00000 | 319537.6 | 119642.1 | 183122.1 | S |
| 63.025 | 0.0000 | 0.0000 | 84.180 | 0.10296 | 0.00000 | 319537.6 | 119645.2 | 183122.1 | S |
| 63.033 | 0.0000 | 0.0000 | 84.179 | 0.10294 | 0.00000 | 319537.6 | 119648.3 | 183122.1 | S |
| 63.042 | 0.0000 | 0.0000 | 84.179 | 0.10291 | 0.00000 | 319537.6 | 119651.4 | 183122.1 | S |
| 63.050 | 0.0000 | 0.0000 | 84.179 | 0.10289 | 0.00000 | 319537.6 | 119654.5 | 183122.1 | S |
| 63.058 | 0.0000 | 0.0000 | 84.179 | 0.10286 | 0.00000 | 319537.6 | 119657.5 | 183122.1 | S |
| 63.067 | 0.0000 | 0.0000 | 84.178 | 0.10284 | 0.00000 | 319537.6 | 119660.6 | 183122.1 | S |
| 63.075 | 0.0000 | 0.0000 | 84.178 | 0.10282 | 0.00000 | 319537.6 | 119663.7 | 183122.1 | S |
| 63.083 | 0.0000 | 0.0000 | 84.178 | 0.10279 | 0.00000 | 319537.6 | 119666.8 | 183122.1 | S |
| 63.092 | 0.0000 | 0.0000 | 84.177 | 0.10277 | 0.00000 | 319537.6 | 119669.9 | 183122.1 | S |
| 63.100 | 0.0000 | 0.0000 | 84.177 | 0.10274 | 0.00000 | 319537.6 | 119673.0 | 183122.1 | S |
| 63.108 | 0.0000 | 0.0000 | 84.177 | 0.10272 | 0.00000 | 319537.6 | 119676.0 | 183122.1 | S |
| 63.117 | 0.0000 | 0.0000 | 84.176 | 0.10269 | 0.00000 | 319537.6 | \$19679.1 | 183122.4 | S |
| 63.125 | 0.0000 | 0.0000 | 84.176 | 0.10267 | 0.00000 | 319537.6 | 119682.2 | 183122.1 | S |
| 63.133 | 0.0000 | 0.0000 | 84.176 | 0.10265 | 0.00000 | 319537.6 | 119685.3 | 183122.1 | S |
| 63.142 | 0.0000 | 0.0000 | 84.175 | 0.10262 | 0.00000 | 319537.6 | \$19688.4 | 183122.1 | S |
| 63.150 | 0.0000 | 0.0000 | 84.175 | 0.10260 | 0.00000 | 319537.6 | 119691.4 | 183122.1 | S |
| 63.158 | 0.0000 | 0.0000 | 84.175 | 0.10257 | 0.00000 | 319537.6 | 119694.5 | 183122.1 | S |
| 63.167 | 0.0000 | 0.0000 | 84.175 | 0.10255 | 0.00000 | 319537.6 | 119697.6 | 183122.1 | S |
| 63.175 | 0.0000 | 0.0000 | 84.174 | 0.10252 | 0.00000 | 319537.6 | 119700.7 | 183122.1 | S |
| 63.183 | 0.0000 | 0.0000 | 84.174 | 0.10250 | 0.00000 | 319537.6 | 119703.8 | 183122.1 | S |
| 63.192 | 0.0000 | 0.0000 | 84.174 | 0.10248 | 0.00000 | 319537.6 | 119706.8 | 183122.1 | S |
| 63.200 | 0.0000 | 0.0000 | 84.173 | 0.10245 | 0.00000 | 319537.6 | 119709.9 | 183122.1 | S |
| 63.208 | 0.0000 | 0.0000 | 84.173 | 0.10243 | 0.00000 | 319537.6 | 119713.0 | 183122.1 | S |
| 63.217 | 0.0000 | 0.0000 | 84.173 | 0.10240 | 0.00000 | 319537.6 | 119716.0 | 183122.1 | S |
| 63.225 | 0.0000 | 0.0000 | 84.172 | 0.10238 | 0.00000 | 319537.6 | 119719.1 | 183122.1 | S |
| 63.233 | 0.0000 | 0.0000 | 84.172 | 0.10235 | 0.00000 | 319537.6 | 119722.2 | 183122.1 | S |
| 63.242 | 0.0000 | 0.0000 | 84.172 | 0.10233 | 0.00000 | 319537.6 | 119725.3 | 183122.1 | S |
| 63.250 | 0.0000 | 0.0000 | 84.172 | 0.10231 | 0.00000 | 319537.6 | 119728.3 | 183122.1 | S |
| 63.258 | 0.0000 | 0.0000 | 84.171 | 0.10228 | 0.00000 | 319537.6 | 119731.4 | 183122.1 | S |
| 63.267 | 0.0000 | 0.0000 | 84.171 | 0.10226 | 0.00000 | 319537.6 | 119734.5 | 183122.1 | S |
| 63.275 | 0.0000 | 0.0000 | 84.171 | 0.10223 | 0.00000 | 319537.6 | 119737.5 | 183122.1 | S |
| 63.283 | 0.0000 | 0.0000 | 84.170 | 0.10221 | 0.00000 | 319537.6 | 119740.6 | 183122.1 | S |
| 63.292 | 0.0000 | 0.0000 | 84.170 | 0.10219 | 0.00000 | 319537.6 | 119743.7 | 183122.1 | S |
| 63.300 | 0.0000 | 0.0000 | 84.170 | 0.10216 | 0.00000 | 319537.6 | 119746.7 | 183122.1 | S |
| 63,308 | 0.0000 | 0.0000 | 84.169 | 0.10214 | 0.00000 | 319537.6 | 119749.8 | 183122.1 | S |
| 63.317 | 0.0000 | 0.0000 | 84.169 | 0.10211 | 0.00000 | 319537.6 | 119752.9 | 183122.1 | S |
| 63.325 | 0.0000 | 0.0000 | 84.169 | 0.10209 | 0.00000 | 319537.6 | 119755.9 | 183122.1 | S |
| 63.333 | 0.0000 | 0.0000 | 84.168 | 0.10207 | 0.00000 | 319537.6 | 119759.0 | 183122.1 | S |
| 63.342 | 0.0000 | 0.0000 | 84.168 | 0.10204 | 0.00000 | 319537.6 | 119762.0 | 183122.1 | S |
| 63.350 | 0.0000 | 0.0000 | 84.168 | 0.10202 | 0.00000 | 319537.6 | \$19765.1 | 183122.1 | S |
| 63.358 | 0.0000 | 0.0000 | 84.168 | 0.10199 | 0.00000 | 319537.6 | 119768.2 | 183122.1 | S |
| 63.367 | 0.0000 | 0.0000 | 84.167 | 0.10197 | 0.00000 | 319537.6 | 119771.2 | \{83122.1 | S |
| 63.375 | 0.0000 | 0.0000 | 84.167 | 0.10195 | 0.00000 | 319537.6 | 119774.3 | 183122.1 | S |
| 63.383 | 0.0000 | 0.0000 | 84.167 | 0.10192 | 0.00000 | 319537.6 | 119777.3 | 183122.1 | S |
| 63.392 | 0.0000 | 0.0000 | 84.166 | 0.10190 | 0.00000 | 319537.6 | 119780.4 | 183122.1 | S |
| 63.400 | 0.0000 | 0.0000 | 84.166 | 0.10187 | 0.00000 | 319537.6 | 119783.5 | 183122.1 | S |
| 63.408 | 0.0000 | 0.0000 | 84.166 | 0.10185 | 0.00000 | 319537.6 | 119786.5 | 183122.1 | S |
| 63.417 | 0.0000 | 0.0000 | 84.165 | 0.10183 | 0.00000 | 319537.6 | 119789.6 | 183122.1 | S |
| 63.425 | 0.0000 | 0.0000 | 84.165 | 0.10180 | 0.00000 | 319537.6 | 119792.6 | 183122.1 | S |
| 63.433 | 0.0000 | 0.0000 | 84.165 | 0.10178 | 0.00000 | 319537.6 | 119795.7 | 183122.1 | S |
| 63.442 | 0.0000 | 0.0000 | 84.165 | 0.10175 | 0.00000 | 319537.6 | 119798.7 | 183122.1 | S |
| 63.450 | 0.0000 | 0.0000 | 84.164 | 0.10173 | 0.00000 | 319537.6 | 119801.8 | 183122.1 | S |
| 63.458 | 0.0000 | 0.0000 | 84.164 | 0.10171 | 0.00000 | 319537.6 | 119804.8 | 183122.1 | S |
| 63.467 | 0.0000 | 0.0000 | 84.164 | 0.10168 | 0.00000 | 319537.6 | 119807.9 | 183122.1 | S |
| 63.475 | 0.0000 | 0.0000 | 84.163 | 0.10166 | 0.00000 | 319537.6 | 119810.9 | 183122.1 | S |
| 63.483 | 0.0000 | 0.0000 | 84.163 | 0.10163 | 0.00000 | 319537.6 | 119814.0 | 183122.1 | S |
| 63.492 | 0.0000 | 0.0000 | 84.163 | 0.10161 | 0.00000 | 319537.6 | 119817.0 | 183122.1 | S |
| 63.500 | 0.0000 | 0.0000 | 84.162 | 0.10159 | 0.00000 | 319537.6 | 119820.1 | 183122.1 | S |
| 63.508 | 0.0000 | 0.0000 | 84.162 | 0.10156 | 0.00000 | 319537.6 | 119823.1 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario $1::$ pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | Inflow Rate (fishs) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infitration Rate ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{fl}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume (ft ${ }^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 63.517 | 0.0000 | 0.0000 | 84.162 | 0.10154 | 0.00000 | 319537.6 | 119826.2 | 183122.1 | S |
| 63.525 | 0.0000 | 0.0000 | 84.161 | 0.10151 | 0.00000 | 319537.6 | \$19829,2 | 183122.1 | S |
| 63.533 | 0.0000 | 0.0000 | 84.161 | 0.10149 | 0.00000 | 319537.6 | 119832.3 | 183122.1 | S |
| 63.542 | 0.0000 | 0.0000 | 84.161 | 0.10147 | 0.00000 | 319537.6 | \$19835.3 | 183122.1 | S |
| 63.550 | 0.0000 | 0.0000 | 84.161 | 0.10144 | 0.00000 | 319537.6 | \$19838.4 | 183122.1 | S |
| 63.558 | 0.0000 | 0.0000 | 84.160 | 0.10142 | 0.00000 | 319537.6 | 119841.4 | 183122.1 | S |
| 63.567 | 0.0000 | 0.0000 | 84.160 | 0.10139 | 0.00000 | 319537.6 | 119844.4 | 183122.1 | \$ |
| 63.575 | 0.0000 | 0.0000 | 84.160 | 0.10137 | 0.00000 | 319537.6 | 119847.5 | 183122.1 | S |
| 63.583 | 0.0000 | 0.0000 | 84.159 | 0.10135 | 0.00000 | 319537.6 | 119850.5 | 183122.1 | S |
| 63.592 | 0.0000 | 0.0000 | 84.159 | 0.10132 | 0.00000 | 319537.6 | 119853.6 | 183122.1 | S |
| 63.600 | 0.0000 | 0.0000 | 84.159 | 0.10130 | 0.00000 | 319537.6 | 119856.6 | 183122.1 | S |
| 63.608 | 0.0000 | 0.0000 | 84.158 | 0.10128 | 0.00000 | 319537.6 | 119859.6 | 183122.1 | S |
| 63.617 | 0.0000 | 0.0000 | 84.158 | 0.10125 | 0.00000 | 319537.6 | 119862.7 | 183122.1 | S |
| 63.625 | 0.0000 | 0.0000 | 84.158 | 0.10123 | 0.00000 | 319537.6 | 119865.7 | 183122.1 | S |
| 63.633 | 0.0000 | 0.0000 | 84.158 | 0.10120 | 0.00000 | 319537.6 | 119868.8 | 183122.1 | S |
| 63.642 | 0.0000 | 0.0000 | 84.157 | 0.10118 | 0.00000 | 319537.6 | 119871.8 | 183122.1 | S |
| 63.650 | 0.0000 | 0.0000 | 84.157 | 0.10116 | 0.00000 | 319537.6 | 119874.8 | 183122.1 | S |
| 63.658 | 0.0000 | 0.0000 | 84.157 | 0.10113 | 0.00000 | 319537.6 | 119877.9 | 183122.1 | S |
| 63.667 | 0.0000 | 0.0000 | 84.156 | 0.10111 | 0.00000 | 319537.6 | 119880.9 | 183122.1 | S |
| 63.675 | 0.0000 | 0.0000 | 84.156 | 0.10108 | 0.00000 | 319537.6 | 119883.9 | 183122.1 | S |
| 63.683 | 0.0000 | 0.0000 | 84.156 | 0.10106 | 0.00000 | 319537.6 | 119887.0 | 183122.1 | S |
| 63.692 | 0.0000 | 0.0000 | 84.155 | 0.10104 | 0.00000 | 319537.6 | 119890.0 | 183122.1 | S |
| 63.700 | 0.0000 | 0.0000 | 84.155 | 0.10101 | 0.00000 | 319537.6 | 119893.0 | 183122.1 | S |
| 63.708 | 0.0000 | 0.0000 | 84.155 | 0.10099 | 0.00000 | 319537.6 | 119896.0 | 183122.1 | S |
| 63.717 | 0.0000 | 0.0000 | 84.154 | 0.10097 | 0.00000 | 319537.6 | 119899.1 | 183122.1 | S |
| 63.725 | 0.0000 | 0.0000 | 84.154 | 0.10094 | 0.00000 | 319537.6 | 119902.1 | 183122.1 | S |
| 63.733 | 0.0000 | 0.0000 | 84.154 | 0.10092 | 0.00000 | 319537.6 | 119905.1 | 183122.1 | S |
| 63.742 | 0.0000 | 0.0000 | 84.154 | 0.10089 | 0.00000 | 319537.6 | 119908.2 | 183122.1 | S |
| 63.750 | 0.0000 | 0.0000 | 84.153 | 0.10087 | 0.00000 | 319537.6 | 119911.2 | 183122.1 | S |
| 63.758 | 0.0000 | 0.0000 | 84.153 | 0.10085 | 0.00000 | 319537.6 | 119914.2 | 183122.1 | S |
| 63.767 | 0.0000 | 0.0000 | 84.153 | 0.10082 | 0.00000 | 319537.6 | 119917.2 | 183122.1 | S |
| 63.775 | 0.0000 | 0.0000 | 84.152 | 0.10080 | 0.00000 | 319537.6 | 119920.3 | 183122.1 | S |
| 63.783 | 0.0000 | 0.0000 | 84.152 | 0.10078 | 0.00000 | 319537.6 | 119923.3 | 183122.1 | S |
| 63.792 | 0.0000 | 0.0000 | 84.152 | 0.10075 | 0.00000 | 319537.6 | 119926.3 | 183122.1 | S |
| 63.800 | 0.0000 | 0.0000 | 84.151 | 0.10073 | 0.00000 | 319537.6 | 119929.3 | 183122.1 | S |
| 63.808 | 0.0000 | 0.0000 | 84.151 | 0.10071 | 0.00000 | 319537.6 | 119932.4 | 183122.1 | S |
| 63.817 | 0.0000 | 0.0000 | 84.151 | 0.10068 | 0.00000 | 319537.6 | 119935.4 | 183122.1 | S |
| 63.825 | 0.0000 | 0.0000 | 84.151 | 0.10066 | 0.00000 | 319537.6 | 119938.4 | 183122.1 | S |
| 63.833 | 0.0000 | 0.0000 | 84.150 | 0.10063 | 0.00000 | 319537.6 | 119941.4 | 183122.1 | S |
| 63.842 | 0.0000 | 0.0000 | 84.150 | 0.10061 | 0.00000 | 319537.6 | 119944.4 | 183122.1 | S |
| 63.850 | 0.0000 | 0.0000 | 84.150 | 0.10059 | 0.00000 | 319537.6 | 119947.4 | 183122.1 | S |
| 63.858 | 0.0000 | 0.0000 | 84.149 | 0.10056 | 0.00000 | 319537.6 | 119950.5 | 183122.1 | S |
| 63.867 | 0.0000 | 0.0000 | 84.149 | 0.10054 | 0.00000 | 319537.6 | 119953.5 | 183122.1 | S |
| 63.875 | 0.0000 | 0.0000 | 84.149 | 0.10052 | 0.00000 | 319537.6 | 119956.5 | 183122.1 | S |
| 63.883 | 0.0000 | 0.0000 | 84.148 | 0.10049 | 0.00000 | 319537.6 | 119959.5 | 183122.1 | S |
| 63.892 | 0.0000 | 0.0000 | 84.148 | 0.10047 | 0.00000 | 319537.6 | 119962.5 | 483122.1 | S |
| 63.900 | 0.0000 | 0.0000 | 84.148 | 0.10045 | 0.00000 | 319537.6 | 119965.5 | 183122.1 | S |
| 63.908 | 0.0000 | 0.0000 | 84.148 | 0.10042 | 0.00000 | 319537.6 | \$19968.6 | 183122.1 | S |
| 63.917 | 0.0000 | 0.0000 | 84.147 | 0.10040 | 0.00000 | 319537.6 | 119971.6 | 183122.1 | S |
| 63.925 | 0.0000 | 0.0000 | 84.147 | 0.10037 | 0.00000 | 319537.6 | 119974.6 | 183122.1 | S |
| 63.933 | 0.0000 | 0.0000 | 84.147 | 0.10035 | 0.00000 | 319537.6 | 119977.6 | 183122.1 | S |
| 63.942 | 0.0000 | 0.0000 | 84.146 | 0.10033 | 0.00000 | 319537.6 | 119980.6 | 183122.1 | S |
| 63.950 | 0.0000 | 0.0000 | 84.146 | 0.10030 | 0.00000 | 319537.6 | 119983.6 | 183122.1 | S |
| 63.958 | 0.0000 | 0.0000 | 84.146 | 0.10028 | 0.00000 | 319537.6 | 119986.6 | 183122.1 | S |
| 63.967 | 0.0000 | 0.0000 | 84.145 | 0.10026 | 0.00000 | 319537.6 | 119989.6 | 183122.1 | S |
| 63.975 | 0.0000 | 0.0000 | 84.145 | 0.10023 | 0.00000 | 319537.6 | 119992.6 | 183122.1 | S |
| 63.983 | 0.0000 | 0.0000 | 84.145 | 0.10021 | 0.00000 | 319537.6 | 119995.6 | 183122.1 | S |
| 63.992 | 0.0000 | 0.0000 | 84.144 | 0.10019 | 0.00000 | 319537.6 | 119998.6 | 183122.1 | S |
| 64.000 | 0.0000 | 0.0000 | 84.144 | 0.10016 | 0.00000 | 319537.6 | 120001.6 | 183122.1 | S |
| 64.008 | 0.0000 | 0.0000 | 84.144 | 0.10014 | 0.00000 | 319537.6 | 120004.7 | 183122.1 | S |
| 64.017 | 0.0000 | 0.0000 | 84.144 | 0.10012 | 0.00000 | 319537.6 | 120007.7 | 183122.1 | S |
| 64.025 | 0.0000 | 0.0000 | 84.143 | 0.10009 | 0.00000 | 319537.6 | 120010.7 | 183122.1 | S |
| 64.033 | 0.0000 | 0.0000 | 84.143 | 0.10007 | 0.00000 | 319537.6 | 120013.7 | 183122.1 | S |
| 64.042 | 0.0000 | 0.0000 | 84,143 | 0.10005 | 0.00000 | 319537.6 | 120016.7 | 183122.1 | S |
| 64.050 | 0.0000 | 0.0000 | 84.142 | 0.10002 | 0.00000 | 319537.6 | 120019.7 | 183122.1 | S |
| 64.058 | 0.0000 | 0.0000 | 84.142 | 0.10000 | 0.00000 | 319537.6 | 120022.7 | 183122.1 | S |
| 64.067 | 0.0000 | 0.0000 | 84.142 | 0.09997 | 0.00000 | 319537.6 | 120025.7 | 183122.1 | S |
| 64.075 | 0.0000 | 0.0000 | 84.141 | 0.09995 | 0.00000 | 319537.6 | 120028.7 | 183122.1 | S |
| 64.083 | 0.0000 | 0.0000 | 84.141 | 0.09993 | 0.00000 | 319537.6 | 120031.7 | 183122.1 | S |
| 64.092 | 0.0000 | 0.0000 | 84.141 | 0.09990 | 0.00000 | 319537.6 | 120034.7 | 183122.1 | S |
| 64.100 | 0.0000 | 0.0000 | 84.141 | 0.09988 | 0.00000 | 319537.6 | 120037.7 | 183122.1 | S |
| 64.108 | 0.0000 | 0.0000 | 84.140 | 0.09986 | 0.00000 | 319537.6 | 120040.7 | 183122.1 | S |
| 64.117 | 0.0000 | 0.0000 | 84.140 | 0.09983 | 0.00000 | 319537.6 | 120043.6 | 183122.1 | S |
| 64.125 | 0.0000 | 0.0000 | 84.140 | 0.09981 | 0.00000 | 319537.6 | 120046.6 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate (ft's ${ }^{3}$ ) | Overfow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{f}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 64.133 | 0.0000 | 0.0000 | 84.139 | 0.09979 | 0.00000 | 319537.6 | 120049.6 | 183122.1 | S |
| 64.142 | 0.0000 | 0.0000 | 84.139 | 0.09976 | 0.00000 | 319537.6 | 120052.6 | 183122.1 | S |
| 64.150 | 0.0000 | 0.0000 | 84.139 | 0.09974 | 0.00000 | 319537.6 | 120055.6 | 183122.1 | S |
| 64.158 | 0.0000 | 0.0000 | 84.138 | 0.09972 | 0.00000 | 319537.6 | 120058.6 | 183122.1 | S |
| 64.167 | 0.0000 | 0.0000 | 84.138 | 0.09969 | 0.00000 | 319537.6 | 120061.6 | 183122.1 | S |
| 64.175 | 0.0000 | 0.0000 | 84.138 | 0.09967 | 0.00000 | 319537.6 | 120064.6 | 183122.1 | S |
| 64.183 | 0.0000 | 0.0000 | 84.138 | 0.09965 | 0.00000 | 319537.6 | 120067.6 | 183122.1 | S |
| 64.192 | 0.0000 | 0.0000 | 84.137 | 0.09962 | 0.00000 | 319537.6 | 120070.6 | 183122.1 | S |
| 64.200 | 0.0000 | 0.0000 | 84.137 | 0.09960 | 0.00000 | 319537.6 | 120073.6 | 183122.1 | S |
| 64.208 | 0.0000 | 0.0000 | 84.137 | 0.09958 | 0.00000 | 319537.6 | 120076.6 | 183122.1 | S |
| 64.217 | 0.0000 | 0.0000 | 84.136 | 0.09955 | 0.00000 | 319537.6 | 120079.5 | 183122.1 | S |
| 64.225 | 0.0000 | 0.0000 | 84.136 | 0.09953 | 0.00000 | 319537.6 | 120082.5 | 183122.1 | S |
| 64.233 | 0.0000 | 0.0000 | 84.136 | 0.09951 | 0.00000 | 319537.6 | 120085.5 | 183122.1 | S |
| 64.242 | 0.0000 | 0.0000 | 84.135 | 0.09948 | 0.00000 | 319537.6 | 120088.5 | 183122.1 | S |
| 64.250 | 0.0000 | 0.0000 | 84.135 | 0.09946 | 0.00000 | 319537.6 | 120091.5 | 183122.1 | S |
| 64.258 | 0.0000 | 0.0000 | 84.135 | 0.09944 | 0.00000 | 319537.6 | 120094.5 | 183122.1 | S |
| 64.267 | 0.0000 | 0.0000 | 84.135 | 0.09941 | 0.00000 | 319537.6 | 120097.4 | 183122.1 | S |
| 64.275 | 0.0000 | 0.0000 | 84.134 | 0.09939 | 0.00000 | 319537.6 | 120100.4 | 183122.1 | S |
| 64.283 | 0.0000 | 0.0000 | 84.134 | 0.09937 | 0.00000 | 319537.6 | 120103.4 | 183122.1 | S |
| 64.292 | 0.0000 | 0.0000 | 84.134 | 0.09934 | 0.00000 | 319537.6 | 120106.4 | 183122.1 | S |
| 64.300 | 0.0000 | 0.0000 | 84.133 | 0.09932 | 0.00000 | 319537.6 | 120109.4 | 183122.1 | S |
| 64.308 | 0.0000 | 0.0000 | 84.133 | 0.09930 | 0.00000 | 319537.6 | 120112.4 | 183122.1 | S |
| 64.317 | 0.0000 | 0.0000 | 84.133 | 0.09927 | 0.00000 | 319537.6 | 120115.3 | 183122.1 | S |
| 64.325 | 0.0000 | 0.0000 | 84.132 | 0.09925 | 0.00000 | 319537.6 | 120118.3 | 183122.1 | S |
| 64.333 | 0.0000 | 0.0000 | 84.132 | 0.09923 | 0.00000 | 319537.6 | 120121.3 | 183122.1 | S |
| 64.342 | 0.0000 | 0.0000 | 84.132 | 0.09920 | 0.00000 | 319537.6 | 120124.3 | 183122.1 | S |
| 64.350 | 0.0000 | 0.0000 | 84.132 | 0.09918 | 0.00000 | 319537.6 | 120127.2 | 183122.1 | S |
| 64.358 | 0.0000 | 0.0000 | 84.131 | 0.09916 | 0.00000 | 319537.6 | 120130.2 | 183122.1 | S |
| 64.367 | 0.0000 | 0.0000 | 84.131 | 0.09914 | 0.00000 | 319537.6 | 120133.2 | 183122.1 | S |
| 64.375 | 0.0000 | 0.0000 | 84.131 | 0.09911 | 0.00000 | 319537.6 | 120136.2 | 183122.1 | S |
| 64.383 | 0.0000 | 0.0000 | 84.130 | 0.09909 | 0.00000 | 319537.6 | 120139.1 | 183122.1 | S |
| 64.392 | 0.0000 | 0.0000 | 84.130 | 0.09907 | 0.00000 | 319537.6 | 120142.1 | 183122.1 | S |
| 64.400 | 0.0000 | 0.0000 | 84.130 | 0.09904 | 0.00000 | 319537.6 | 120145.1 | 183122.1 | S |
| 64.408 | 0.0000 | 0.0000 | 84.129 | 0.09902 | 0.00000 | 319537.6 | 120148.0 | 183122.1 | S |
| 64.417 | 0.0000 | 0.0000 | 84.129 | 0.09900 | 0.00000 | 319537.6 | 120151.0 | 183122.1 | S |
| 64.425 | 0.0000 | 0.0000 | 84.129 | 0.09897 | 0.00000 | 319537.6 | 120154.0 | 183122.1 | S |
| 64.433 | 0.0000 | 0.0000 | 84.129 | 0.09895 | 0.00000 | 319537.6 | 120157.0 | 183122.1 | S |
| 64.442 | 0.0000 | 0.0000 | 84.128 | 0.09893 | 0.00000 | 319537.6 | 120159.9 | 183122.1 | S |
| 64.450 | 0.0000 | 0.0000 | 84.128 | 0.09890 | 0.00000 | 319537.6 | 120162.9 | 183122.1 | S |
| 64.458 | 0.0000 | 0.0000 | 84.128 | 0.09888 | 0.00000 | 319537.6 | 120165.9 | 183122.1 | S |
| 64.467 | 0.0000 | 0.0000 | 84.127 | 0.09886 | 0.00000 | 319537.6 | 120168.8 | 183122.1 | S |
| 64.475 | 0.0000 | 0.0000 | 84.127 | 0.09883 | 0.00000 | 319537.6 | 120171.8 | 183122.1 | S |
| 64.483 | 0.0000 | 0.0000 | 84.127 | 0.09881 | 0.00000 | 319537.6 | 120174.8 | 183122.1 | S |
| 64.492 | 0.0000 | 0.0000 | 84.126 | 0.09879 | 0.00000 | 319537.6 | 120177.7 | 183122.1 | S |
| 64.500 | 0.0000 | 0.0000 | 84.126 | 0.09876 | 0.00000 | 319537.6 | 120180.7 | 183122.1 | S |
| 64.508 | 0.0000 | 0.0000 | 84.126 | 0.09874 | 0.00000 | 319537.6 | 120183.6 | 183122.1 | S |
| 64.517 | 0.0000 | 0.0000 | 84.126 | 0.09872 | 0.00000 | 319537.6 | 120186.6 | 183122.1 | S |
| 64.525 | 0.0000 | 0.0000 | 84.125 | 0.09870 | 0.00000 | 319537.6 | 120189.6 | 183122.1 | S |
| 64.533 | 0.0000 | 0.0000 | 84.125 | 0.09867 | 0.00000 | 319537.6 | 120192.5 | 183122.1 | S |
| 64.542 | 0.0000 | 0.0000 | 84.125 | 0.09865 | 0.00000 | 319537.6 | 120195.5 | 183122.1 | S |
| 64.550 | 0.0000 | 0.0000 | 84.124 | 0.09863 | 0.00000 | 319537.6 | 120198.4 | 183122.1 | S |
| 64.558 | 0.0000 | 0.0000 | 84.124 | 0.09860 | 0.00000 | 319537.6 | 120201.4 | 183122.1 | S |
| 64.567 | 0.0000 | 0.0000 | 84.124 | 0.09858 | 0.00000 | 319537.6 | 120204.4 | 183122.1 | S |
| 64.575 | 0.0000 | 0.0000 | 84.123 | 0.09856 | 0.00000 | 319537.6 | 120207.3 | 183122.1 | S |
| 64.583 | 0.0000 | 0.0000 | 84.123 | 0.09853 | 0.00000 | 319537.6 | 120210.3 | 183122.1 | S |
| 64.592 | 0.0000 | 0.0000 | 84.123 | 0.09851 | 0.00000 | 319537.6 | 120213.2 | 183122.1 | S |
| 64.600 | 0.0000 | 0.0000 | 84.123 | 0.09849 | 0.00000 | 319537.6 | 120216.2 | 183122.1 | S |
| 64.608 | 0.0000 | 0.0000 | 84.122 | 0.09847 | 0.00000 | 319537.6 | 120219.1 | 183122.1 | S |
| 64.617 | 0.0000 | 0.0000 | 84.122 | 0.09844 | 0.00000 | 319537.6 | 120222.1 | 183122.1 | S |
| 64.625 | 0.0000 | 0.0000 | 84.122 | 0.09842 | 0.00000 | 319537.6 | 120225.0 | 183122.1 | S |
| 64.633 | 0.0000 | 0.0000 | 84.121 | 0.09840 | 0.00000 | 319537.6 | 120228.0 | 183122.1 | S |
| 64.642 | 0.0000 | 0.0000 | 84.121 | 0.09837 | 0.00000 | 319537.6 | 120231.0 | 183122.1 | S |
| 64.650 | 0.0000 | 0.0000 | 84.121 | 0.09835 | 0.00000 | 319537.6 | 120233.9 | 183 亿22.1 | S |
| 64.658 | 0.0000 | 0.0000 | 84.120 | 0.09833 | 0.00000 | 319537.6 | 120236.9 | 183122.1 | S |
| 64.667 | 0.0000 | 0.0000 | 84.120 | 0.09830 | 0.00000 | 319537.6 | 120239.8 | 183122.1 | S |
| 64.675 | 0.0000 | 0.0000 | 84.120 | 0.09828 | 0.00000 | 319537.6 | 120242.8 | 183122.1 | S |
| 64.683 | 0.0000 | 0.0000 | 84.120 | 0.09826 | 0.00000 | 319537.6 | 120245.7 | 183122.1 | S |
| 64.692 | 0.0000 | 0.0000 | 84.119 | 0.09824 | 0.00000 | 319537.6 | 120248.6 | 183122.1 | S |
| 64.700 | 0.0000 | 0.0000 | 84.119 | 0.09821 | 0.00000 | 319537.6 | 120251.6 | 183122.1 | S |
| 64.708 | 0.0000 | 0.0000 | 84.119 | 0.09819 | 0.00000 | 319537.6 | 120254.5 | 183122.1 | S |
| 64.717 | 0.0000 | 0.0000 | 84.118 | 0.09817 | 0.00000 | 319537.6 | 120257.5 | 183122.1 | S |
| 64.725 | 0.0000 | 0.0000 | 84.118 | 0.09814 | 0.00000 | 319537.6 | 120260.4 | 183122.1 | S |
| 64.733 | 0.0000 | 0.0000 | 84.118 | 0.09812 | 0.00000 | 319537.6 | 120263.4 | 183122.1 | S |
| 64.742 | 0.0000 | 0.0000 | 84.117 | 0.09810 | 0.00000 | 319537.6 | 120266.3 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/overflow

| Elapsed Time (hours) | Inflow Rate ( f /3/s) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow <br> Discharge ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infilitration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 64.750 | 0.0000 | 0.0000 | 84.117 | 0.09808 | 0.00000 | 319537.6 | 120269.3 | 183122.1 | S |
| 64.758 | 0.0000 | 0.0000 | 84.117 | 0.09805 | 0.00000 | 319537.6 | 120272.2 | 183122.1 | S |
| 64.767 | 0.0000 | 0.0000 | 84.117 | 0.09803 | 0.00000 | 319537.6 | 120275.1 | 183122.1 | S |
| 64.775 | 0.0000 | 0.0000 | 84.116 | 0.09801 | 0.00000 | 319537.6 | 120278.1 | 183122.1 | S |
| 64.783 | 0.0000 | 0.0000 | 84.116 | 0.09798 | 0.00000 | 319537.6 | 120281.0 | 183122.1 | S |
| 64.792 | 0.0000 | 0.0000 | 84.116 | 0.09796 | 0.00000 | 319537.6 | 120284.0 | 183122.1 | S |
| 64.800 | 0.0000 | 0.0000 | 84.115 | 0.09794 | 0.00000 | 319537.6 | 120286.9 | 183122.1 | S |
| 64.808 | 0.0000 | 0.0000 | 84.115 | 0.09792 | 0.00000 | 379537.6 | 120289.8 | 183122.1 | S |
| 64.817 | 0.0000 | 0.0000 | 84.115 | 0.09789 | 0.00000 | 319537.6 | 120292.8 | 183122.1 | S |
| 64.825 | 0.0000 | 0.0000 | 84.114 | 0.09787 | 0.00000 | 319537.6 | 120295.7 | 183122.1 | S |
| 64.833 | 0.0000 | 0.0000 | 84.114 | 0.09785 | 0.00000 | 319537.6 | 120298.6 | 183122.1 | S |
| 64.842 | 0.0000 | 0.0000 | 84.114 | 0.09782 | 0.00000 | 319537.6 | 120301.6 | 183122.1 | S |
| 64.850 | 0.0000 | 0.0000 | 84.114 | 0.09780 | 0.00000 | 319537.6 | 120304.5 | 183122.4 | S |
| 64.858 | 0.0000 | 0.0000 | 84.113 | 0.09778 | 0.00000 | 319537.6 | 120307.5 | 183122.1 | S |
| 64.867 | 0.0000 | 0.0000 | 84.113 | 0.09776 | 0.00000 | 319537.6 | 120310.4 | 183122.1 | S |
| 64.875 | 0.0000 | 0.0000 | 84.113 | 0.09773 | 0.00000 | 319537.6 | 120313.3 | 183122.1 | S |
| 64.883 | 0.0000 | 0.0000 | 84.112 | 0.09771 | 0.00000 | 319537.6 | 120316.3 | 183122.1 | S |
| 64.892 | 0.0000 | 0.0000 | 84.112 | 0.09769 | 0.00000 | 319537.6 | 120319.2 | 183122.1 | S |
| 64.900 | 0.0000 | 0.0000 | 84.112 | 0.09766 | 0.00000 | 319537.6 | 120322.1 | 183122.1 | S |
| 64.908 | 0.0000 | 0.0000 | 84.111 | 0.09764 | 0.00000 | 319537.6 | 120325.0 | 183122.1 | S |
| 64.917 | 0.0000 | 0.0000 | 84.111 | 0.09762 | 0.00000 | 319537.6 | 120328.0 | 183122.1 | S |
| 64.925 | 0.0000 | 0.0000 | 84.111 | 0.09760 | 0.00000 | 319537.6 | 120330.9 | \$83122.1 | S |
| 64.933 | 0.0000 | 0.0000 | 84.111 | 0.09757 | 0.00000 | 319537.6 | 120333.8 | 183122.1 | S |
| 64.942 | 0.0000 | 0.0000 | 84.110 | 0.09755 | 0.00000 | 319537.6 | 120336.8 | 183122.1 | S |
| 64.950 | 0.0000 | 0.0000 | 84.110 | 0.09753 | 0.00000 | 319537.6 | 120339.7 | 183122.1 | S |
| 64.958 | 0.0000 | 0.0000 | 84.110 | 0.09751 | 0.00000 | 319537.6 | 120342.6 | 183122.1 | S |
| 64.967 | 0.0000 | 0.0000 | 84.109 | 0.09748 | 0.00000 | 319537.6 | 120345.5 | 183122.1 | S |
| 64.975 | 0.0000 | 0.0000 | 84.109 | 0.09746 | 0.00000 | 319537.6 | 120348.5 | 183122.1 | S |
| 64.983 | 0.0000 | 0.0000 | 84.109 | 0.09744 | 0.00000 | 319537.6 | 120351.4 | 183122.1 | S |
| 64.992 | 0.0000 | 0.0000 | 84.108 | 0.09741 | 0.00000 | 319537.6 | 120354.3 | 183122.1 | S |
| 65.000 | 0.0000 | 0.0000 | 84.108 | 0.09739 | 0.00000 | 319537.6 | 120357.2 | 183122.1 | S |
| 65.008 | 0.0000 | 0.0000 | 84.108 | 0.09737 | 0.00000 | 319537.6 | 120360.1 | 183122.1 | S |
| 65.017 | 0.0000 | 0.0000 | 84.108 | 0.09735 | 0.00000 | 319537.6 | 120363.1 | 183122.1 | S |
| 65.025 | 0.0000 | 0.0000 | 84.107 | 0.09732 | 0.00000 | 319537.6 | 120366.0 | 183122.1 | S |
| 65.033 | 0.0000 | 0.0000 | 84.107 | 0.09730 | 0.00000 | 319537.6 | 120368.9 | 183122.1 | S |
| 65.042 | 0.0000 | 0.0000 | 84.107 | 0.09728 | 0.00000 | 319537.6 | 120371.8 | 183122.4 | S |
| 65.050 | 0.0000 | 0.0000 | 84.106 | 0.09726 | 0.00000 | 319537.6 | 120374.7 | 183122.4 | S |
| 65.058 | 0.0000 | 0.0000 | 84.106 | 0.09723 | 0.00000 | 319537.6 | 120377.7 | 183122.1 | S |
| 65.067 | 0.0000 | 0.0000 | 84.106 | 0.09721 | 0.00000 | 319537.6 | 120380.6 | 183122.1 | S |
| 65.075 | 0.0000 | 0.0000 | 84.105 | 0.09719 | 0.00000 | 319537.6 | 120383.5 | 183122.1 | S |
| 65.083 | 0.0000 | 0.0000 | 84.105 | 0.09716 | 0.00000 | 319537.6 | 120386.4 | 183122.1 | S |
| 65.092 | 0.0000 | 0.0000 | 84.105 | 0.09714 | 0.00000 | 319537.6 | 120389.3 | 183122.1 | S |
| 65.100 | 0.0000 | 0.0000 | 84.105 | 0.09712 | 0.00000 | 319537.6 | 120392.2 | 183122.1 | S |
| 65.108 | 0.0000 | 0.0000 | 84.104 | 0.09710 | 0.00000 | 319537.6 | 120395.1 | 183122.1 | S |
| 65.117 | 0.0000 | 0.0000 | 84.104 | 0.09707 | 0.00000 | 319537.6 | 120398.1 | 183122.1 | S |
| 65.125 | 0.0000 | 0.0000 | 84.104 | 0.09705 | 0.00000 | 319537.6 | 120401.0 | 183122.1 | S |
| 65.133 | 0.0000 | 0.0000 | 84.103 | 0.09703 | 0.00000 | 319537.6 | 120403.9 | 183122.1 | S |
| 65.142 | 0.0000 | 0.0000 | 84.103 | 0.09701 | 0.00000 | 319537.6 | 120406.8 | 183122.1 | S |
| 65.150 | 0.0000 | 0.0000 | 84.103 | 0.09698 | 0.00000 | 319537.6 | 120409.7 | 183122.1 | S |
| 65.158 | 0.0000 | 0.0000 | 84.103 | 0.09696 | 0.00000 | 319537.6 | 120412.6 | 183122.1 | S |
| 65.167 | 0.0000 | 0.0000 | 84.102 | 0.09694 | 0.00000 | 319537.6 | 120415.5 | 183122.1 | S |
| 65.175 | 0.0000 | 0.0000 | 84.102 | 0.09692 | 0.00000 | 319537.6 | 120418.4 | 183122.1 | S |
| 65.183 | 0.0000 | 0.0000 | 84.102 | 0.09689 | 0.00000 | 319537.6 | 120421.3 | 183122.1 | S |
| 65.192 | 0.0000 | 0.0000 | 84.101 | 0.09687 | 0.00000 | 319537.6 | 120424.2 | 183122.1 | S |
| 65.200 | 0.0000 | 0.0000 | 84.101 | 0.09685 | 0.00000 | 319537.6 | 120427.1 | 183122.1 | S |
| 65.208 | 0.0000 | 0.0000 | 84.101 | 0.09683 | 0.00000 | 319537.6 | 120430.1 | 183122.1 | S |
| 65.217 | 0.0000 | 0.0000 | 84.100 | 0.09680 | 0.00000 | 319537.6 | 120433.0 | 183122.1 | S |
| 65.225 | 0.0000 | 0.0000 | 84.100 | 0.09678 | 0.00000 | 319537.6 | 120435.9 | 183122.1 | S |
| 65.233 | 0.0000 | 0.0000 | 84.100 | 0.09676 | 0.00000 | 319537.6 | 120438.8 | 183122.1 | S |
| 65.242 | 0.0000 | 0.0000 | 84.100 | 0.09674 | 0.00000 | 319537.6 | 120441.7 | 183122.1 | S |
| 65.250 | 0.0000 | 0.0000 | 84.099 | 0.09671 | 0.00000 | 319537.6 | 120444.6 | 183122.4 | S |
| 65.258 | 0.0000 | 0.0000 | 84.099 | 0.09669 | 0.00000 | 319537.6 | 120447.5 | 183122.1 | S |
| 65.267 | 0.0000 | 0.0000 | 84.099 | 0.09667 | 0.00000 | 319537.6 | 120450.4 | 183122.1 | S |
| 65.275 | 0.0000 | 0.0000 | 84.098 | 0.09665 | 0.00000 | 319537.6 | 120453.3 | 183122.1 | S |
| 65.283 | 0.0000 | 0.0000 | 84.098 | 0.09662 | 0.00000 | 319537.6 | 120456.2 | 183122.1 | S |
| 65.292 | 0.0000 | 0.0000 | 84.098 | 0.09660 | 0.00000 | 319537.6 | 120459.1 | 183122.1 | S |
| 65.300 | 0.0000 | 0.0000 | 84.097 | 0.09658 | 0.00000 | 319537.6 | 120462.0 | 183122.1 | S |
| 65.308 | 0.0000 | 0.0000 | 84.097 | 0.09656 | 0.00000 | 319537.6 | 120464.9 | 183122.1 | S |
| 65.317 | 0.0000 | 0.0000 | 84.097 | 0.09653 | 0.00000 | 319537.6 | 120467.8 | 183122.1 | S |
| 65.325 | 0.0000 | 0.0000 | 84.097 | 0.09651 | 0.00000 | 319537.6 | 120470.6 | 183122.1 | S |
| 65.333 | 0.0000 | 0.0000 | 84.096 | 0.09649 | 0.00000 | 319537.6 | 120473.5 | 183122.1 | S |
| 65.342 | 0.0000 | 0.0000 | 84.096 | 0.09647 | 0.00000 | 319537.6 | 120476.4 | 183122.1 | S |
| 65.350 | 0.0000 | 0.0000 | 84.096 | 0.09644 | 0.00000 | 319537.6 | 120479.3 | 183122.1 | S |
| 65.358 | 0.0000 | 0.0000 | 84.095 | 0.09642 | 0.00000 | 319537.6 | 120482.2 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (fl datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Infiow Votume (fis) | Cumulative Infiltration Volume ( $\mathrm{ff}^{3}$ ) | Cumulative Discharge Volume (ft ${ }^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 65.367 | 0.0000 | 0.0000 | 84.095 | 0.09640 | 0.00000 | 319537.6 | 120485.1 | 183122.1 | S |
| 65.375 | 0.0000 | 0.0000 | 84.095 | 0.09638 | 0.00000 | 319537.6 | 120488.0 | 183122.1 | S |
| 65.383 | 0.0000 | 0.0000 | 84.094 | 0.09635 | 0.00000 | 319537.6 | 120490.9 | 183122.1 | S |
| 65.392 | 0.0000 | 0.0000 | 84.094 | 0.09633 | 0.00000 | 319537.6 | 120493.8 | 183122.1 | S |
| 65.400 | 0.0000 | 0.0000 | 84.094 | 0.09631 | 0.00000 | 319537.6 | 120496.7 | 183122.1 | S |
| 65.408 | 0.0000 | 0.0000 | 84.094 | 0.09629 | 0.00000 | 319537.6 | 120499.6 | 183122.1 | S |
| 65.417 | 0.0000 | 0.0000 | 84.093 | 0.09626 | 0.00000 | 319537.6 | 120502.5 | 183122.1 | S |
| 65.425 | 0.0000 | 0.0000 | 84.093 | 0.09624 | 0.00000 | 319537.6 | 120505.3 | 183122.1 | S |
| 65.433 | 0.0000 | 0.0000 | 84.093 | 0.09622 | 0.00000 | 319537.6 | 120508.2 | 183122.1 | S |
| 65.442 | 0.0000 | 0.0000 | 84.092 | 0.09620 | 0.00000 | 319537.6 | 120511.1 | 183122.1 | S |
| 65.450 | 0.0000 | 0.0000 | 84.092 | 0.09618 | 0.00000 | 319537.6 | 120514.0 | 183122.1 | 5 |
| 65.458 | 0.0000 | 0.0000 | 84.092 | 0.09615 | 0.00000 | 319537.6 | 120516.9 | 183122.1 | S |
| 65.467 | 0.0000 | 0.0000 | 84.092 | 0.09613 | 0.00000 | 319537.6 | 120519.8 | 183122.1 | S |
| 65.475 | 0.0000 | 0.0000 | 84.091 | 0.09611 | 0.00000 | 319537.6 | 120522.7 | 183122.1 | S |
| 65.483 | 0.0000 | 0.0000 | 84.091 | 0.09609 | 0.00000 | 319537.6 | 120525.5 | 183122.1 | S |
| 65.492 | 0.0000 | 0.0000 | 84.091 | 0.09606 | 0.00000 | 319537.6 | 120528.4 | 183122.1 | S |
| 65.500 | 0.0000 | 0.0000 | 84.090 | 0.09604 | 0.00000 | 319537.6 | 120531.3 | 183122.1 | S |
| 65.508 | 0.0000 | 0.0000 | 84.090 | 0.09602 | 0.00000 | 319537.6 | 120534.2 | 183122.1 | S |
| 65.517 | 0.0000 | 0.0000 | 84.090 | 0.09600 | 0.00000 | 319537.6 | 120537.1 | 183122.1 | 5 |
| 65.525 | 0.0000 | 0.0000 | 84.089 | 0.09597 | 0.00000 | 319537.6 | 120539.9 | 183122.1 | S |
| 65.533 | 0.0000 | 0.0000 | 84.089 | 0.09595 | 0.00000 | 319537.6 | 120542.8 | 183122.1 | S |
| 65.542 | 0.0000 | 0.0000 | 84.089 | 0.09593 | 0.00000 | 319537.6 | 120545.7 | 183122.1 | S |
| 65.550 | 0.0000 | 0.0000 | 84.089 | 0.09591 | 0.00000 | 319537.6 | 120548.6 | 183122.1 | S |
| 65.558 | 0.0000 | 0.0000 | 84.088 | 0.09589 | 0.00000 | 319537.6 | 120551.5 | 183122.1 | S |
| 65.567 | 0.0000 | 0.0000 | 84.088 | 0.09586 | 0.00000 | 319537.6 | 120554.3 | 183122.1 | S |
| 65.575 | 0.0000 | 0.0000 | 84.088 | 0.09584 | 0.00000 | 319537.6 | 120557.2 | 183122.1 | S |
| 65.583 | 0.0000 | 0.0000 | 84.087 | 0.09582 | 0.00000 | 319537.6 | 120560.1 | 183122.1 | S |
| 65.592 | 0.0000 | 0.0000 | 84.087 | 0.09580 | 0.00000 | 319537.6 | 120563.0 | 183122.1 | S |
| 65.600 | 0.0000 | 0.0000 | 84.087 | 0.09577 | 0.00000 | 319537.6 | 120565.8 | 183122.1 | S |
| 65.608 | 0.0000 | 0.0000 | 84.086 | 0.09575 | 0.00000 | 319537.6 | 120568.7 | 183122.1 | S |
| 65.617 | 0.0000 | 0.0000 | 84.086 | 0.09573 | 0.00000 | 319537.6 | 120571.6 | 183122.1 | S |
| 65.625 | 0.0000 | 0.0000 | 84.086 | 0.09571 | 0.00000 | 319537.6 | 120574.5 | 183122.1 | S |
| 65.633 | 0.0000 | 0.0000 | 84.086 | 0.09569 | 0.00000 | 319537.6 | 120577.3 | 183122.1 | S |
| 65.642 | 0.0000 | 0.0000 | 84.085 | 0.09566 | 0.00000 | 319537.6 | ¢20580.2 | 183122.1 | S |
| 65.650 | 0.0000 | 0.0000 | 84.085 | 0.09564 | 0.00000 | 319537.6 | 120583.1 | 183122.1 | S |
| 65.658 | 0.0000 | 0.0000 | 84.085 | 0.09562 | 0.00000 | 319537.6 | 120585.9 | 183122.4 | S |
| 65.667 | 0.0000 | 0.0000 | 84.084 | 0.09560 | 0.00000 | 319537.6 | 120588.8 | 183122.1 | S |
| 65.675 | 0.0000 | 0.0000 | 84.084 | 0.09557 | 0.00000 | 319537.6 | 120591.7 | 183122.1 | S |
| 65.683 | 0.0000 | 0.0000 | 84.084 | 0.09555 | 0.00000 | 319537.6 | 120594.5 | 183122.1 | S |
| 65.692 | 0.0000 | 0.0000 | 84.084 | 0.09553 | 0.00000 | 319537.6 | 120597.4 | 183122.1 | S |
| 65.700 | 0.0000 | 0.0000 | 84.083 | 0.09551 | 0.00000 | 319537.6 | 120600.3 | 183122.1 | S |
| 65.708 | 0.0000 | 0.0000 | 84.083 | 0.09549 | 0.00000 | 319537.6 | 120603.1 | 183122.1 | S |
| 65.717 | 0.0000 | 0.0000 | 84.083 | 0.09546 | 0.00000 | 319537.6 | 120606.0 | 183122.1 | S |
| 65.725 | 0.0000 | 0.0000 | 84.082 | 0.09544 | 0.00000 | 319537.6 | 120608.9 | 183122.1 | 5 |
| 65.733 | 0.0000 | 0.0000 | 84.082 | 0.09542 | 0.00000 | 319537.6 | 120611.7 | 183122.1 | S |
| 65.742 | 0.0000 | 0.0000 | 84.082 | 0.09540 | 0.00000 | 319537.6 | 120614.6 | 183122.1 | S |
| 65.750 | 0.0000 | 0.0000 | 84.081 | 0.09538 | 0.00000 | 319537.6 | 120617.4 | 183122.1 | S |
| 65.758 | 0.0000 | 0.0000 | 84.081 | 0.09535 | 0.00000 | 319537.6 | 120620.3 | 183122.1 | S |
| 65.767 | 0.0000 | 0.0000 | 84.081 | 0.09533 | 0.00000 | 319537.6 | 120623.2 | 183122.1 | S |
| 65.775 | 0.0000 | 0.0000 | 84.081 | 0.09531 | 0.00000 | 319537.6 | 120626.0 | 183122.7 | S |
| 65.783 | 0.0000 | 0.0000 | 84.080 | 0.09529 | 0.00000 | 319537.6 | 120628.9 | 183122.1 | S |
| 65.792 | 0.0000 | 0.0000 | 84.080 | 0.09526 | 0.00000 | 319537.6 | 120631.7 | 183122.1 | S |
| 65.800 | 0.0000 | 0.0000 | 84.080 | 0.09524 | 0.00000 | 319537.6 | 120634.6 | 183122.1 | S |
| 65.808 | 0.0000 | 0.0000 | 84.079 | 0.09522 | 0.00000 | 319537.6 | 120637.5 | 183122.1 | S |
| 65.817 | 0.0000 | 0.0000 | 84.079 | 0.09520 | 0.00000 | 319537.6 | 120640.3 | 183122.1 | S |
| 65.825 | 0.0000 | 0.0000 | 84.079 | 0.09518 | 0.00000 | 319537.6 | 120643.2 | 183122.1 | S |
| 65.833 | 0.0000 | 0.0000 | 84.079 | 0.09515 | 0.00000 | 319537.6 | 120646.0 | 183122.1 | S |
| 65.842 | 0.0000 | 0.0000 | 84.078 | 0.09513 | 0.00000 | 319537.6 | 120648.9 | 183122.1 | S |
| 65.850 | 0.0000 | 0.0000 | 84.078 | 0.09511 | 0.00000 | 319537.6 | 120651.7 | 183122.1 | S |
| 65.858 | 0.0000 | 0.0000 | 84.078 | 0.09509 | 0.00000 | 319537.6 | 120654.6 | 183122.1 | S |
| 65.867 | 0.0000 | 0.0000 | 84.077 | 0.09507 | 0.00000 | 319537.6 | 120657.4 | 183122.1 | S |
| 65.875 | 0.0000 | 0.0000 | 84.077 | 0.09504 | 0.00000 | 319537.6 | 120660.3 | 183122.1 | S |
| 65.883 | 0.0000 | 0.0000 | 84.077 | 0.09502 | 0.00000 | 319537.6 | 120663.1 | 183122.1 | S |
| 65.892 | 0.0000 | 0.0000 | 84.076 | 0.09500 | 0.00000 | 319537.6 | 120666.0 | 183122.1 | S |
| 65.900 | 0.0000 | 0.0000 | 84.076 | 0.09498 | 0.00000 | 319537.6 | 120668.8 | 183122.1 | S |
| 65.908 | 0.0000 | 0.0000 | 84.076 | 0.09496 | 0.00000 | 319537.6 | 120671.7 | 183122.1 | S |
| 65.917 | 0.0000 | 0.0000 | 84.076 | 0.09493 | 0.00000 | 319537.6 | 120674.5 | 183122.1 | S |
| 65.925 | 0.0000 | 0.0000 | 84.075 | 0.09491 | 0.00000 | 319537.6 | 120677.4 | 183122.1 | S |
| 65.933 | 0.0000 | 0.0000 | 84.075 | 0.09489 | 0.00000 | 319537.6 | 120680.2 | 183122.1 | S |
| 65.942 | 0.0000 | 0.0000 | 84.075 | 0.09487 | 0.00000 | 319537.6 | 120683.1 | 183122.1 | S |
| 65.950 | 0.0000 | 0.0000 | 84.074 | 0.09485 | 0.00000 | 319537.6 | 120685.9 | 183122.1 | S |
| 65.958 | 0.0000 | 0.0000 | 84.074 | 0.09482 | 0.00000 | 319537.6 | 120688.8 | 183122.1 | S |
| 65.967 | 0.0000 | 0.0000 | 84.074 | 0.09480 | 0.00000 | 319537.6 | 120691.6 | 183122.1 | S |
| 65.975 | 0.0000 | 0.0000 | 84.074 | 0.09478 | 0.00000 | 319537.6 | 120694.5 | 183122.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infitration Rate (f13/s) | Overlow Discharge ( $\mathrm{t}^{3 / \mathrm{s}} \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{fl}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 65.983 | 0.0000 | 0.0000 | 84.073 | 0.09476 | 0.00000 | 319537.6 | 120697.3 | 183122.1 | S |
| 65.992 | 0.0000 | 0.0000 | 84.073 | 0.09474 | 0.00000 | 319537.6 | 120700.1 | 183122.1 | S |
| 66.000 | 0.0000 | 0.0000 | 84.073 | 0.09471 | 0.00000 | 319537.6 | 120703.0 | 183122.1 | S |
| 66.008 | 0.0000 | 0.0000 | 84.072 | 0.09469 | 0.00000 | 319537.6 | 120705.8 | 183122.1 | S |
| 66.017 | 0.0000 | 0.0000 | 84.072 | 0.09467 | 0.00000 | 319537.6 | 120708.7 | 183122.1 | S |
| 66.025 | 0.0000 | 0.0000 | 84.072 | 0.09465 | 0.00000 | 319537.6 | 120711.5 | 183122.1 | S |
| 66.033 | 0.0000 | 0.0000 | 84.071 | 0.09463 | 0.00000 | 319537.6 | 120714.3 | 183122.1 | S |
| 66.042 | 0.0000 | 0.0000 | 84.071 | 0.09461 | 0.00000 | 319537.6 | 120717.2 | 183122.1 | S |
| 66.050 | 0.0000 | 0.0000 | 84.074 | 0.09458 | 0.00000 | 319537.6 | 120720.0 | 183122.1 | S |
| 66.058 | 0.0000 | 0.0000 | 84.071 | 0.09456 | 0.00000 | 319537.6 | 120722.9 | 183122.1 | S |
| 66.067 | 0.0000 | 0.0000 | 84.070 | 0.09454 | 0.00000 | 319537.6 | 120725.7 | 183122.1 | S |
| 66.075 | 0.0000 | 0.0000 | 84.070 | 0.09452 | 0.00000 | 319537.6 | 120728.5 | 183122.1 | S |
| 66.083 | 0.0000 | 0.0000 | 84.070 | 0.09450 | 0.00000 | 319537.6 | 120731.4 | 183122.1 | S |
| 66.092 | 0.0000 | 0.0000 | 84.069 | 0.09447 | 0.00000 | 319537.6 | 120734.2 | 183122.1 | S |
| 66.100 | 0.0000 | 0.0000 | 84.069 | 0.09445 | 0.00000 | 319537.6 | 120737.0 | 183122.1 | S |
| 66.108 | 0.0000 | 0.0000 | 84.069 | 0.09443 | 0.00000 | 319537.6 | 120739.9 | 183122.1 | S |
| 66.117 | 0.0000 | 0.0000 | 84.089 | 0.09441 | 0.00000 | 319537.6 | 120742.7 | 183122.1 | S |
| 66.125 | 0.0000 | 0.0000 | 84.068 | 0.09439 | 0.00000 | 319537.6 | 120745.5 | 183122.1 | S |
| 66.133 | 0.0000 | 0.0000 | 84.068 | 0.09436 | 0.00000 | 319537.6 | 120748.4 | 183122.1 | S |
| 66.142 | 0.0000 | 0.0000 | 84.068 | 0.09434 | 0.00000 | 319537.6 | 120751.2 | 183122.1 | S |
| 66.150 | 0.0000 | 0.0000 | 84.067 | 0.09432 | 0.00000 | 319537.6 | 120754.0 | 183122.1 | S |
| 66.158 | 0.0000 | 0.0000 | 84.067 | 0.09430 | 0.00000 | 319537.6 | 120756.9 | 183122.1 | S |
| 66.167 | 0.0000 | 0.0000 | 84.067 | 0.09428 | 0.00000 | 319537.6 | 120759.7 | 183122.1 | S |
| 66.175 | 0.0000 | 0.0000 | 84.066 | 0.09426 | 0.00000 | 319537.6 | 120762.5 | 183122.1 | S |
| 66.183 | 0.0000 | 0.0000 | 84.066 | 0.09423 | 0.00000 | 319537.6 | 120765.3 | 183122.1 | S |
| 66.192 | 0.0000 | 0.0000 | 84.066 | 0.09421 | 0.00000 | 319537.6 | 120768.2 | 183122.1 | S |
| 66.200 | 0.0000 | 0.0000 | 84.066 | 0.09419 | 0.00000 | 319537.6 | 120771.0 | 183122.1 | S |
| 66.208 | 0.0000 | 0.0000 | 84.065 | 0.09417 | 0.00000 | 319537.6 | 120773.8 | 183122.1 | S |
| 66.217 | 0.0000 | 0.0000 | 84.065 | 0.09415 | 0.00000 | 319537.6 | 120776.6 | 183122.1 | S |
| 66.225 | 0.0000 | 0.0000 | 84.065 | 0.09413 | 0.00000 | 319537.6 | 120779.5 | 183122.1 | S |
| 66.233 | 0.0000 | 0.0000 | 84.064 | 0.09410 | 0.00000 | 319537.6 | 120782.3 | 183122.1 | S |
| 66.242 | 0.0000 | 0.0000 | 84.064 | 0.09408 | 0.00000 | 319537.6 | 120785.1 | 183122.1 | S |
| 66.250 | 0.0000 | 0.0000 | 84.064 | 0.09406 | 0.00000 | 319537.6 | 120787.9 | 183122.1 | S |
| 66.258 | 0.0000 | 0.0000 | 84.064 | 0.09404 | 0.00000 | 319537.6 | 120790.8 | 183122.1 | S |
| 66.267 | 0.0000 | 0.0000 | 84.063 | 0.09402 | 0.00000 | 319537.6 | 120793.6 | 183122.1 | S |
| 66.275 | 0.0000 | 0.0000 | 84.063 | 0.09399 | 0.00000 | 319537.6 | 120796.4 | 183122.1 | S |
| 66.283 | 0.0000 | 0.0000 | 84.063 | 0.09397 | 0.00000 | 319537.6 | 120799.2 | 183122.1 | S |
| 66.292 | 0.0000 | 0.0000 | 84.062 | 0.09395 | 0.00000 | 319537.6 | 120802.0 | 183122.1 | S |
| 66.300 | 0.0000 | 0.0000 | 84.062 | 0.09393 | 0.00000 | 319537.6 | 120804.9 | 183122.1 | S |
| 66.308 | 0.0000 | 0.0000 | 84.062 | 0.09391 | 0.00000 | 319537.6 | 120807.7 | 183122.1 | S |
| 66.317 | 0.0000 | 0.0000 | 84.061 | 0.09389 | 0.00000 | 319537.6 | 120810.5 | 183122.1 | S |
| 66.325 | 0.0000 | 0.0000 | 84.061 | 0.09386 | 0.00000 | 319537.6 | 120813.3 | 183122.1 | S |
| 66.333 | 0.0000 | 0.0000 | 84.061 | 0.09384 | 0.00000 | 319537.6 | 120816.1 | 183122.1 | S |
| 66.342 | 0.0000 | 0.0000 | 84.061 | 0.09382 | 0.00000 | 319537.6 | 120818.9 | 183122.1 | S |
| 66.350 | 0.0000 | 0.0000 | 84.060 | 0.09380 | 0.00000 | 319537.6 | 120821.7 | 183122.1 | S |
| 66.358 | 0.0000 | 0.0000 | 84.060 | 0.09378 | 0.00000 | 319537.6 | 120824.6 | 183122.1 | S |
| 66.367 | 0.0000 | 0.0000 | 84.060 | 0.09376 | 0.00000 | 319537.6 | 120827.4 | 183122.1 | S |
| 66.375 | 0.0000 | 0.0000 | 84.059 | 0.09373 | 0.00000 | 319537.6 | 120830.2 | 183122.1 | S |
| 66.383 | 0.0000 | 0.0000 | 84.059 | 0.09371 | 0.00000 | 319537.6 | 120833.0 | 183122.1 | S |
| 66.392 | 0.0000 | 0.0000 | 84.059 | 0.09369 | 0.00000 | 319537.6 | 120835.8 | 183122.1 | S |
| 66.400 | 0.0000 | 0.0000 | 84.059 | 0.09367 | 0.00000 | 319537.6 | 120838.6 | 183122.1 | S |
| 66.408 | 0.0000 | 0.0000 | 84.058 | 0.09365 | 0.00000 | 319537.6 | 120841.4 | 183122.1 | S |
| 66.417 | 0.0000 | 0.0000 | 84.058 | 0.09363 | 0.00000 | 319537.6 | 120844.2 | 183122.1 | S |
| 66.425 | 0.0000 | 0.0000 | 84.058 | 0.09360 | 0.00000 | 319537.6 | 120847.0 | 183122.1 | S |
| 66.433 | 0.0000 | 0.0000 | 84.057 | 0.09358 | 0.00000 | 319537.6 | 120849.9 | 183122.1 | S |
| 66.442 | 0.0000 | 0.0000 | 84.057 | 0.09356 | 0.00000 | 319537.6 | 120852.7 | 183122.1 | S |
| 66.450 | 0.0000 | 0.0000 | 84.057 | 0.09354 | 0.00000 | 319537.6 | 120855.5 | 183122.1 | S |
| 66.458 | 0.0000 | 0.0000 | 84.056 | 0.09352 | 0.00000 | 319537.6 | 120858.3 | 183122.1 | S |
| 66.467 | 0.0000 | 0.0000 | 84.056 | 0.09350 | 0.00000 | 319537.6 | 120861.1 | 183122.1 | S |
| 66.475 | 0.0000 | 0.0000 | 84.056 | 0.09348 | 0.00000 | 319537.6 | 120863.9 | \$83122.1 | S |
| 66.483 | 0.0000 | 0.0000 | 84.056 | 0.09345 | 0.00000 | 319537.6 | 120866.7 | 183122.1 | S |
| 66.492 | 0.0000 | 0.0000 | 84.055 | 0.09343 | 0.00000 | 319537.6 | 120869.5 | 183122. ${ }^{\text {\% }}$ | S |
| 66.500 | 0.0000 | 0.0000 | 84.055 | 0.09341 | 0.00000 | 319537.6 | 120872.3 | 183122.1 | S |
| 66.508 | 0.0000 | 0.0000 | 84.055 | 0.09339 | 0.00000 | 319537.6 | 120875.1 | 183122.1 | S |
| 66.517 | 0.0000 | 0.0000 | 84.054 | 0.09337 | 0.00000 | 319537.6 | 120877.9 | 183122.1 | S |
| 66.525 | 0.0000 | 0.0000 | 84.054 | 0.09335 | 0.00000 | 319537.6 | 120880.7 | 183122.1 | S |
| 66.533 | 0.0000 | 0.0000 | 84.054 | 0.09332 | 0.00000 | 319537.6 | 120883.5 | 183122.1 | S |
| 66.542 | 0.0000 | 0.0000 | 84.054 | 0.09330 | 0.00000 | 319537.6 | 120886.3 | 183122.1 | S |
| 66.550 | 0.0000 | 0.0000 | 84.053 | 0.09328 | 0.00000 | 319537.6 | 120889.1 | 183122.1 | S |
| 66.558 | 0.0000 | 0.0000 | 84.053 | 0.09326 | 0.00000 | 319537.6 | 120891.9 | 183122.1 | S |
| 66.567 | 0.0000 | 0.0000 | 84.053 | 0.09324 | 0.00000 | 319537.6 | 120894.7 | 183122.1 | S |
| 66.575 | 0.0000 | 0.0000 | 84.052 | 0.09322 | 0.00000 | 319537.6 | 120897.5 | 183122.1 | S |
| 66.583 | 0.0000 | 0.0000 | 84.052 | 0.09320 | 0.00000 | 319537.6 | 120900.3 | 183122.1 | S |
| 66.592 | 0.0000 | 0.0000 | 84.052 | 0.09317 | 0.00000 | 319537.6 | 120903.1 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario $1::$ pond10 100 yr $/ 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 66,600 | 0.0000 | 0.0000 | 84.052 | 0.09315 | 0.00000 | 319537.6 | 120905.9 | 183122.1 | S |
| 66,608 | 0.0000 | 0.0000 | 84.051 | 0.09313 | 0.00000 | 319537.6 | 120908.7 | 183122.1 | S |
| 66.617 | 0.0000 | 0.0000 | 84.051 | 0.09311 | 0.00000 | 319537.6 | 120911.5 | 183122.1 | S |
| 66.625 | 0.0000 | 0.0000 | 84.051 | 0.09309 | 0.00000 | 319537.6 | 120914.3 | 183122.1 | S |
| 66.633 | 0.0000 | 0.0000 | 84.050 | 0.09307 | 0.00000 | 319537.6 | 120917.0 | 183122.1 | S |
| 66.642 | 0.0000 | 0.0000 | 84.050 | 0.09304 | 0.00000 | 319537.6 | 720919.8 | 183122.1 | S |
| 66.650 | 0.0000 | 0.0000 | 84.050 | 0.09302 | 0.00000 | 319537.6 | 120922.6 | 183122.1 | S |
| 66.658 | 0.0000 | 0.0000 | 84.049 | 0.09300 | 0.00000 | 319537.6 | 120925.4 | 183122.1 | S |
| 66.667 | 0.0000 | 0.0000 | 84.049 | 0.09298 | 0.00000 | 319537.6 | 120928.2 | 183122.1 | S |
| 66.675 | 0.0000 | 0.0000 | 84.049 | 0.09296 | 0.00000 | 319537.6 | 120931.0 | 183122.1 | S |
| 66.683 | 0.0000 | 0.0000 | 84.049 | 0.09294 | 0.00000 | 319537.6 | 120933.8 | 183122.1 | S |
| 66.692 | 0.0000 | 0.0000 | 84.048 | 0.09292 | 0.00000 | 319537.6 | 120936.6 | 183122.1 | S |
| 66.700 | 0.0000 | 0.0000 | 84.048 | 0.09289 | 0.00000 | 319537.6 | 120939.4 | 183122.1 | S |
| 66.708 | 0.0000 | 0.0000 | 84.048 | 0.09287 | 0.00000 | 319537.6 | 120942.1 | 183122.1 | S |
| 66.717 | 0.0000 | 0.0000 | 84.047 | 0.09285 | 0.00000 | 319537.6 | 120944.9 | 183122.1 | S |
| 66.725 | 0.0000 | 0.0000 | 84.047 | 0.09283 | 0.00000 | 319537.6 | 120947.7 | 183122.1 | S |
| 66.733 | 0.0000 | 0.0000 | 84.047 | 0.09281 | 0.00000 | 319537.6 | 120950.5 | 183122.1 | S |
| 66.742 | 0.0000 | 0.0000 | 84.047 | 0.09279 | 0.00000 | 319537.6 | 120953.3 | 183122.1 | S |
| 66.750 | 0.0000 | 0.0000 | 84.046 | 0.09277 | 0.00000 | 319537.6 | 120956.1 | 183122.1 | S |
| 66.758 | 0.0000 | 0.0000 | 84.046 | 0.09275 | 0.00000 | 319537.6 | 120958.9 | 183122.1 | S |
| 66.767 | 0.0000 | 0.0000 | 84.046 | 0.09272 | 0.00000 | 319537.6 | 120961.6 | 183122.1 | S |
| 66.775 | 0.0000 | 0.0000 | 84.045 | 0.09270 | 0.00000 | 319537.6 | 120964.4 | 183122.1 | S |
| 66.783 | 0.0000 | 0.0000 | 84.045 | 0.09268 | 0.00000 | 319537.6 | 120967.2 | 183122.1 | S |
| 66.792 | 0.0000 | 0.0000 | 84.045 | 0.09266 | 0.00000 | 319537.6 | 120970.0 | 183122.1 | S |
| 66.800 | 0.0000 | 0.0000 | 84.045 | 0.09264 | 0.00000 | 319537.6 | 120972.8 | 183122.1 | S |
| 66.808 | 0.0000 | 0.0000 | 84.044 | 0.09262 | 0.00000 | 319537.6 | 120975.5 | 183122.1 | S |
| 66.817 | 0.0000 | 0.0000 | 84.044 | 0.09260 | 0.00000 | 319537.6 | 120978.3 | 183722.1 | S |
| 66.825 | 0.0000 | 0.0000 | 84.044 | 0.09257 | 0.00000 | 319537.6 | 120981.1 | 183122.1 | S |
| 66.833 | 0.0000 | 0.0000 | 84.043 | 0.09255 | 0.00000 | 319537.6 | 120983.9 | 183122.1 | S |
| 66.842 | 0.0000 | 0.0000 | 84.043 | 0.09253 | 0.00000 | 319537.6 | 120986.6 | 183122.1 | S |
| 66.850 | 0.0000 | 0.0000 | 84.043 | 0.09251 | 0.00000 | 319537.6 | 120989.4 | 183122.1 | S |
| 66.858 | 0.0000 | 0.0000 | 84.042 | 0.09249 | 0.00000 | 319537.6 | 120992.2 | 183122.1 | S |
| 66.867 | 0.0000 | 0.0000 | 84.042 | 0.09247 | 0.00000 | 319537.6 | 120995.0 | 183122.1 | S |
| 66.875 | 0.0000 | 0.0000 | 84.042 | 0.09245 | 0.00000 | 319537.6 | 120997.7 | 183122.1 | S |
| 66.883 | 0.0000 | 0.0000 | 84.042 | 0.09243 | 0.00000 | 319537.6 | 121000.5 | 183122.1 | S |
| 66.892 | 0.0000 | 0.0000 | 84.041 | 0.09240 | 0.00000 | 319537.6 | 121003.3 | 183122.1 | S |
| 66.900 | 0.0000 | 0.0000 | 84.041 | 0.09238 | 0.00000 | 318537.6 | 121006.1 | 183122.7 | S |
| 66.908 | 0.0000 | 0.0000 | 84.041 | 0.09236 | 0.00000 | 319537.6 | 121008.8 | 183122.1 | S |
| 66.917 | 0.0000 | 0.0000 | 84.040 | 0.09234 | 0.00000 | 318537.6 | 121011.6 | 183122.1 | S |
| 66.925 | 0.0000 | 0.0000 | 84.040 | 0.09232 | 0.00000 | 319537.6 | 121014.4 | 183122.1 | S |
| 66.933 | 0.0000 | 0.0000 | 84.040 | 0.09230 | 0.00000 | 319537.6 | 121017.1 | 183122.1 | S |
| 66.942 | 0.0000 | 0.0000 | 84.040 | 0.09228 | 0.00000 | 319537.6 | 121019.9 | 183122.1 | S |
| 66.950 | 0.0000 | 0.0000 | 84.039 | 0.09226 | 0.00000 | 319537.6 | 121022.7 | 183122.1 | S |
| 66.958 | 0.0000 | 0.0000 | 84.039 | 0.09223 | 0.00000 | 319537.6 | 121025.4 | 183122.1 | S |
| 66.967 | 0.0000 | 0.0000 | 84.039 | 0.09221 | 0.00000 | 319537.6 | 121028.2 | 183122.1 | S |
| 66.975 | 0.0000 | 0.0000 | 84.038 | 0.09219 | 0.00000 | 319537.6 | 121031.0 | 183122.1 | S |
| 66.983 | 0.0000 | 0.0000 | 84.038 | 0.09217 | 0.00000 | 319537.6 | 121033.7 | 183122.1 | S |
| 66.992 | 0.0000 | 0.0000 | 84.038 | 0.09215 | 0.00000 | 319537.6 | 121036.5 | 183122.1 | S |
| 67.000 | 0.0000 | 0.0000 | 84.038 | 0.09213 | 0.00000 | 319537.6 | 121039.3 | 183122.1 | S |
| 67.008 | 0.0000 | 0.0000 | 84.037 | 0.09211 | 0.00000 | 319537.6 | 121042.0 | 183122.1 | S |
| 67.017 | 0.0000 | 0.0000 | 84.037 | 0.09209 | 0.00000 | 319537.6 | 121044.8 | 183122.1 | S |
| 67.025 | 0.0000 | 0.0000 | 84.037 | 0.09206 | 0.00000 | 319537.6 | 121047.6 | 183122.1 | S |
| 67.033 | 0.0000 | 0.0000 | 84.036 | 0.09204 | 0.00000 | 319537.6 | 121050.3 | 183122.1 | S |
| 67.042 | 0.0000 | 0.0000 | 84.036 | 0.09202 | 0.00000 | 319537.6 | 121053.1 | 183122.1 | S |
| 67.050 | 0.0000 | 0.0000 | 84.036 | 0.09200 | 0.00000 | 319537.6 | 121055.8 | 183122.1 | S |
| 67.058 | 0.0000 | 0.0000 | 84.036 | 0.09198 | 0.00000 | 319537.6 | 121058.6 | 183122.1 | S |
| 67.067 | 0.0000 | 0.0000 | 84.035 | 0.09196 | 0.00000 | 319537.6 | 121061.4 | 183122.1 | S |
| 67.075 | 0.0000 | 0.0000 | 84.035 | 0.09194 | 0.00000 | 319537.6 | 121064.1 | 183122.1 | S |
| 67.083 | 0.0000 | 0.0000 | 84.035 | 0.09192 | 0.00000 | 319537.6 | 121066.9 | 183122.1 | S |
| 67.092 | 0.0000 | 0.0000 | 84.034 | 0.09190 | 0.00000 | 319537.6 | 121069.6 | 183122.1 | S |
| 67.100 | 0.0000 | 0.0000 | 84.034 | 0.09187 | 0.00000 | 319537.6 | 121072.4 | 183122.1 | S |
| 67.108 | 0.0000 | 0.0000 | 84.034 | 0.09185 | 0.00000 | 319537.6 | 121075.1 | 183122.1 | S |
| 67.117 | 0.0000 | 0.0000 | 84.033 | 0.09183 | 0.00000 | 319537.6 | 121077.9 | 183122.1 | S |
| 67.125 | 0.0000 | 0.0000 | 84.033 | 0.09181 | 0.00000 | 319537.6 | 121080.7 | 183122.1 | S |
| 67.133 | 0.0000 | 0.0000 | 84.033 | 0.09179 | 0.00000 | 319537.6 | 121083.4 | 183122.1 | S |
| 67.142 | 0.0000 | 0.0000 | 84.033 | 0.09177 | 0.00000 | 319537.6 | 121086.2 | 183122.1 | S |
| 67.150 | 0.0000 | 0.0000 | 84.032 | 0.09175 | 0.00000 | 319537.6 | 121088.9 | 183122.1 | S |
| 67.158 | 0.0000 | 0.0000 | 84.032 | 0.09173 | 0.00000 | 319537.6 | 121091.7 | 183122.1 | S |
| 67.167 | 0.0000 | 0.0000 | 84.032 | 0.09171 | 0.00000 | 319537.6 | 121094.4 | 183122.1 | S |
| 67.175 | 0.0000 | 0.0000 | 84.031 | 0.09168 | 0.00000 | 319537.6 | 121097.2 | 183122.1 | S |
| 67.183 | 0.0000 | 0.0000 | 84.031 | 0.09166 | 0.00000 | 319537.6 | 121099.9 | 183122.1 | S |
| 67.192 | 0.0000 | 0.0000 | 84.031 | 0.09164 | 0.00000 | 319537.6 | 121102.7 | 183122.1 | S |
| 67.200 | 0.0000 | 0.0000 | 84.031 | 0.09162 | 0.00000 | 319537.6 | 121105.4 | 183122.1 | S |
| 67.208 | 0.0000 | 0.0000 | 84.030 | 0.09160 | 0.00000 | 319537.6 | 121108.2 | 183122.1 | S |

PONDS Version 3.2.0207

# Retention Pond Recovery - Refined Method <br> Copyright 2003 

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{3 / \mathrm{s}}$ ) | Outside Recharge (fv/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{Hl}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 67.217 | 0.0000 | 0.0000 | 84.030 | 0.09158 | 0.00000 | 319537.6 | 121110.9 | 183122.1 | S |
| 67.225 | 0.0000 | 0.0000 | 84.030 | 0.09156 | 0.00000 | 319537.6 | 121113.7 | 183122.1 | S |
| 67.233 | 0.0000 | 0.0000 | 84.029 | 0.09154 | 0.00000 | 319537.6 | 121116.4 | 183122.1 | S |
| 67.242 | 0.0000 | 0.0000 | 84.029 | 0.09152 | 0.00000 | 319537.6 | 121119.2 | 183122.1 | S |
| 67.250 | 0.0000 | 0.0000 | 84.029 | 0.09149 | 0.00000 | 319537.6 | 121121.9 | 183122.1 | S |
| 67.258 | 0.0000 | 0.0000 | 84.029 | 0.09147 | 0.00000 | 319537.6 | 121124.6 | 183122.1 | S |
| 67.267 | 0.0000 | 0.0000 | 84.028 | 0.09145 | 0.00000 | 319537.6 | 121127.4 | 183122.1 | S |
| 67.275 | 0.0000 | 0.0000 | 84.028 | 0.09143 | 0.00000 | 319537.6 | 121130.1 | 183122.1 | S |
| 67.283 | 0.0000 | 0.0000 | 84.028 | 0.09141 | 0.00000 | 319537.6 | 121132.9 | 183122.1 | S |
| 67.292 | 0.0000 | 0.0000 | 84.027 | 0.09139 | 0.00000 | 319537.6 | 121135.6 | 183122.1 | S |
| 67.300 | 0.0000 | 0.0000 | 84.027 | 0.09137 | 0.00000 | 319537.6 | 121138.4 | 183122.1 | S |
| 67.308 | 0.0000 | 0.0000 | 84.027 | 0.09135 | 0.00000 | 319537.6 | 121141.1 | 183122.1 | S |
| 67.317 | 0.0000 | 0.0000 | 84.027 | 0.09133 | 0.00000 | 319537.6 | 121143.8 | 183122.1 | S |
| 67.325 | 0.0000 | 0.0000 | 84.026 | 0.09131 | 0.00000 | 319537.6 | 121146.6 | 183122.1 | S |
| 67.333 | 0.0000 | 0.0000 | 84.026 | 0.09129 | 0.00000 | 319537.6 | 121149.3 | 183122.1 | S |
| 67.342 | 0.0000 | 0.0000 | 84.026 | 0.09126 | 0.00000 | 319537.6 | 121152.1 | 183122.1 | S |
| 67.350 | 0.0000 | 0.0000 | 84.025 | 0.09124 | 0.00000 | 319537.6 | 121154.8 | 183122.1 | S |
| 67.358 | 0.0000 | 0.0000 | 84.025 | 0.09122 | 0.00000 | 319537.6 | 121157.5 | 183122.1 | S |
| 67.367 | 0.0000 | 0.0000 | 84.025 | 0.09120 | 0.00000 | 319537.6 | 121160.3 | 183122.1 | S |
| 67.375 | 0.0000 | 0.0000 | 84.024 | 0.09118 | 0.00000 | 319537.6 | 121163.0 | 183122.1 | S |
| 67.383 | 0.0000 | 0.0000 | 84.024 | 0.09116 | 0.00000 | 319537.6 | 121165.7 | 183122.1 | S |
| 67.392 | 0.0000 | 0.0000 | 84.024 | 0.09114 | 0.00000 | 319537.6 | 121168.5 | 183122.1 | S |
| 67.400 | 0.0000 | 0.0000 | 84.024 | 0.09112 | 0.00000 | 319537.6 | 121171.2 | 183122.1 | S |
| 67.408 | 0.0000 | 0.0000 | 84.023 | 0.09110 | 0.00000 | 319537.6 | 121173.9 | 183122.1 | S |
| 67.417 | 0.0000 | 0.0000 | 84.023 | 0.09108 | 0.00000 | 319537.6 | 121176.7 | 183122.1 | S |
| 67.425 | 0.0000 | 0.0000 | 84.023 | 0.09105 | 0.00000 | 319537.6 | 121179.4 | 183122.1 | S |
| 67.433 | 0.0000 | 0.0000 | 84.022 | 0.09103 | 0.00000 | 319537.6 | 121182.1 | 183122.1 | S |
| 67.442 | 0.0000 | 0.0000 | 84.022 | 0.09101 | 0.00000 | 319537.6 | 121184.9 | 183122.1 | S |
| 67.450 | 0.0000 | 0.0000 | 84.022 | 0.09099 | 0.00000 | 319537.6 | 121187.6 | 183122.1 | S |
| 67.458 | 0.0000 | 0.0000 | 84.022 | 0.09097 | 0.00000 | 319537.6 | 121190.3 | 183122.1 | S |
| 67.467 | 0.0000 | 0.0000 | 84.021 | 0.09095 | 0.00000 | 319537.6 | 121193.1 | 183122.1 | S |
| 67.475 | 0.0000 | 0.0000 | 84.021 | 0.09093 | 0.00000 | 319537.6 | 121195.8 | 183122.1 | S |
| 67.483 | 0.0000 | 0.0000 | 84.021 | 0.09091 | 0.00000 | 319537.6 | 121198.5 | 183122.1 | S |
| 67.492 | 0.0000 | 0.0000 | 84.020 | 0.09089 | 0.00000 | 319537.6 | 121201.2 | 183122.1 | S |
| 67.500 | 0.0000 | 0.0000 | 84.020 | 0.09087 | 0.00000 | 319537.6 | 121204.0 | 183122.1 | S |
| 67.508 | 0.0000 | 0.0000 | 84.020 | 0.09085 | 0.00000 | 319537.6 | 121206.7 | 183122.1 | S |
| 67.517 | 0.0000 | 0.0000 | 84.020 | 0.09083 | 0.00000 | 319537.6 | 121209.4 | 183122.1 | S |
| 67.525 | 0.0000 | 0.0000 | 84.019 | 0.09080 | 0.00000 | 319537.6 | 121212.1 | 183122.1 | S |
| 67.533 | 0.0000 | 0.0000 | 84.019 | 0.09078 | 0.00000 | 319537.6 | 121214.9 | 183122.1 | S |
| 67.542 | 0.0000 | 0.0000 | 84.019 | 0.09076 | 0.00000 | 319537.6 | 121217.6 | 183122.1 | S |
| 67.550 | 0.0000 | 0.0000 | 84.018 | 0.09074 | 0.00000 | 319537.6 | 121220.3 | 183122.1 | S |
| 67.558 | 0.0000 | 0.0000 | 84.018 | 0.09072 | 0.00000 | 319537.6 | 121223.0 | 183122.1 | S |
| 67.567 | 0.0000 | 0.0000 | 84.018 | 0.09070 | 0.00000 | 319537.6 | 121225.8 | 183122.1 | S |
| 67.575 | 0.0000 | 0.0000 | 84.018 | 0.09068 | 0.00000 | 319537.6 | 121228.5 | 183122.1 | S |
| 67.583 | 0.0000 | 0.0000 | 84.017 | 0.09066 | 0.00000 | 319537.6 | 121231.2 | 183122.1 | S |
| 67.592 | 0.0000 | 0.0000 | 84.017 | 0.09064 | 0.00000 | 319537.6 | 121233.9 | 183122.1 | S |
| 67.600 | 0.0000 | 0.0000 | 84.017 | 0.09062 | 0.00000 | 319537.6 | 121236.6 | 183122.1 | S |
| 67.608 | 0.0000 | 0.0000 | 84.016 | 0.09060 | 0.00000 | 319537.6 | 121239.4 | 183122.1 | S |
| 67.617 | 0.0000 | 0.0000 | 84.016 | 0.09058 | 0.00000 | 319537.6 | 121242.1 | 183122.1 | S |
| 67.625 | 0.0000 | 0.0000 | 84.016 | 0.09056 | 0.00000 | 319537.6 | 121244.8 | 183122.1 | S |
| 67.633 | 0.0000 | 0.0000 | 84.016 | 0.09053 | 0.00000 | 319537.6 | 121247.5 | 183122.1 | S |
| 67.642 | 0.0000 | 0.0000 | 84.015 | 0.09051 | 0.00000 | 319537.6 | 121250.2 | 183122.1 | S |
| 67.650 | 0.0000 | 0.0000 | 84.015 | 0.09049 | 0.00000 | 319537.6 | 121252.9 | 183122.1 | S |
| 67.658 | 0.0000 | 0.0000 | 84.015 | 0.09047 | 0.00000 | 319537.6 | 121255.6 | 183122.1 | S |
| 67.667 | 0.0000 | 0.0000 | 84.014 | 0.09045 | 0.00000 | 319537.6 | 121258.4 | 183122.1 | S |
| 67.675 | 0.0000 | 0.0000 | 84.014 | 0.09043 | 0.00000 | 319537.6 | 121261.1 | 183122.1 | S |
| 67.683 | 0.0000 | 0.0000 | 84.014 | 0.09041 | 0.00000 | 319537.6 | 121263.8 | 183122.1 | S |
| 67.692 | 0.0000 | 0.0000 | 84.014 | 0.09039 | 0.00000 | 319537.6 | 121266.5 | 183122.1 | S |
| 67.700 | 0.0000 | 0.0000 | 84.013 | 0.09037 | 0.00000 | 319537.6 | 121269.2 | 183122.1 | S |
| 67.708 | 0.0000 | 0.0000 | 84.013 | 0.09035 | 0.00000 | 319537.6 | 121271.9 | 183122.1 | S |
| 67.717 | 0.0000 | 0.0000 | 84.013 | 0.09033 | 0.00000 | 319537.6 | 121274.6 | 183122.1 | S |
| 67.725 | 0.0000 | 0.0000 | 84.012 | 0.09031 | 0.00000 | 319537.6 | 121277.3 | 183122.1 | S |
| 67.733 | 0.0000 | 0.0000 | 84.012 | 0.09029 | 0.00000 | 319537.6 | 121280.0 | 183122.1 | S |
| 67.742 | 0.0000 | 0.0000 | 84.012 | 0.09027 | 0.00000 | 319537.6 | 121282.8 | 183122.1 | S |
| 67.750 | 0.0000 | 0.0000 | 84.012 | 0.09024 | 0.00000 | 319537.6 | 121285.5 | 183122.1 | S |
| 67.758 | 0.0000 | 0.0000 | 84.011 | 0.09022 | 0.00000 | 319537.6 | 121288.2 | §83122.1 | S |
| 67.767 | 0.0000 | 0.0000 | 84.011 | 0.09020 | 0.00000 | 319537.6 | 121290.9 | 183122.1 | S |
| 67.775 | 0.0000 | 0.0000 | 84.011 | 0.09018 | 0.00000 | 319537.6 | 121293.6 | 183122.1 | S |
| 67.783 | 0.0000 | 0.0000 | 84.010 | 0.09016 | 0.00000 | 319537.6 | 121296.3 | 183122.1 | S |
| 67.792 | 0.0000 | 0.0000 | 84.010 | 0.09014 | 0.00000 | 319537.6 | 121299.0 | 183122.1 | S |
| 67.800 | 0.0000 | 0.0000 | 84.010 | 0.09012 | 0.00000 | 319537.6 | 121301.7 | 183122.1 | S |
| 67.808 | 0.0000 | 0.0000 | 84.010 | 0.09010 | 0.00000 | 319537.6 | 121304.4 | 183122.1 | S |
| 67.817 | 0.0000 | 0.0000 | 84.009 | 0.09008 | 0.00000 | 319537.6 | 121307.1 | 183122.1 | S |
| 67.825 | 0.0000 | 0.0000 | 84.009 | 0.09006 | 0.00000 | 319537.6 | 121309.8 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (f/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}} \mathrm{s}$ ) | Overfiow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{t}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 67.833 | 0.0000 | 0.0000 | 84.009 | 0.09004 | 0.00000 | 319537.6 | 121312.5 | 183122.1 | S |
| 67.842 | 0.0000 | 0.0000 | 84.008 | 0.09002 | 0.00000 | 319537.6 | 121315.2 | 183122.1 | S |
| 67.850 | 0.0000 | 0.0000 | 84.008 | 0.09000 | 0.00000 | 319537.6 | 121317.9 | 183122.1 | S |
| 67.858 | 0.0000 | 0.0000 | 84.008 | 0.08998 | 0.00000 | 319537.6 | 121320.6 | 183122.1 | S |
| 67.867 | 0.0000 | 0.0000 | 84.007 | 0.08996 | 0.00000 | 319537.6 | 121323.3 | 183122.1 | S |
| 67.875 | 0.0000 | 0.0000 | 84.007 | 0.08994 | 0.00000 | 319537.6 | 121326.0 | 183122.1 | S |
| 67.883 | 0.0000 | 0.0000 | 84.007 | 0.08991 | 0.00000 | 319537.6 | 121328.7 | 183122.1 | S |
| 67.892 | 0.0000 | 0.0000 | 84.007 | 0.08989 | 0.00000 | 319537.6 | 121331.4 | 183122.1 | S |
| 67.900 | 0.0000 | 0.0000 | 84.006 | 0.08987 | 0.00000 | 319537.6 | 121334.1 | 183122.7 | S |
| 67.908 | 0.0000 | 0.0000 | 84.006 | 0.08985 | 0.00000 | 319537.6 | 121336.8 | 183122.1 | S |
| 67.917 | 0.0000 | 0.0000 | 84.006 | 0.08983 | 0.00000 | 319537.6 | 121339.5 | 183122.1 | S |
| 67.925 | 0.0000 | 0.0000 | 84.005 | 0.08981 | 0.00000 | 319537.6 | 121342.2 | 183122.1 | S |
| 67.933 | 0.0000 | 0.0000 | 84.005 | 0.08979 | 0.00000 | 319537.6 | 121344.9 | 183122.1 | S |
| 67.942 | 0.0000 | 0.0000 | 84.005 | 0.08977 | 0.00000 | 319537.6 | 121347.6 | 183122.1 | S |
| 67.950 | 0.0000 | 0.0000 | 84.005 | 0.08975 | 0.00000 | 319537.6 | 121350.3 | 183122.1 | S |
| 67.958 | 0.0000 | 0.0000 | 84.004 | 0.08973 | 0.00000 | 319537.6 | 121353.0 | 183122.1 | S |
| 67.967 | 0.0000 | 0.0000 | 84.004 | 0.08971 | 0.00000 | 319537.6 | 121355.6 | 183122.1 | S |
| 67.975 | 0.0000 | 0.0000 | 84.004 | 0.08969 | 0.00000 | 319537.6 | 121358.3 | 183122.1 | S |
| 67.983 | 0.0000 | 0.0000 | 84.003 | 0.08967 | 0.00000 | 319537.6 | 121361.0 | 183122.1 | S |
| 67.992 | 0.0000 | 0.0000 | 84.003 | 0.08965 | 0.00000 | 319537.6 | 121363.7 | 183122.1 | S |
| 68.000 | 0.0000 | 0.0000 | 84.003 | 0.08963 | 0.00000 | 319537.6 | 121366.4 | 183122.1 | S |
| 68.008 | 0.0000 | 0.0000 | 84.003 | 0.08961 | 0.00000 | 319537.6 | 121369.1 | 183122.1 | S |
| 68.017 | 0.0000 | 0.0000 | 84.002 | 0.08959 | 0.00000 | 319537.6 | 121371.8 | 183122.1 | S |
| 68.025 | 0.0000 | 0.0000 | 84.002 | 0.08957 | 0.00000 | 319537.6 | 121374.5 | 183122.1 | S |
| 68.033 | 0.0000 | 0.0000 | 84.002 | 0.08954 | 0.00000 | 319537.6 | 121377.2 | 183122.1 | S |
| 68.042 | 0.0000 | 0.0000 | 84.001 | 0.08952 | 0.00000 | 319537.6 | 121379.8 | 183122.1 | S |
| 68.050 | 0.0000 | 0.0000 | 84.001 | 0.08950 | 0.00000 | 319537.6 | 121382.5 | 183122.1 | S |
| 68.058 | 0.0000 | 0.0000 | 84.001 | 0.08948 | 0.00000 | 319537.6 | 121385.2 | 183122.1 | S |
| 68.067 | 0.0000 | 0.0000 | 84.001 | 0.08946 | 0.00000 | 319537.6 | 121387.9 | 183122.1 | S |
| 68.075 | 0.0000 | 0.0000 | 84.000 | 0.08944 | 0.00000 | 319537.6 | 121390.6 | 183122.1 | S |
| 68.083 | 0.0000 | 0.0000 | 84.000 | 0.08942 | 0.00000 | 319537.6 | 121393.3 | 183122.1 | S |
| 68.092 | 0.0000 | 0.0000 | 84.000 | 0.08940 | 0.00000 | 319537.6 | 121395.9 | 183122.1 | S |
| 68.100 | 0.0000 | 0.0000 | 83.999 | 0.08938 | 0.00000 | 319537.6 | 121398.6 | 183122.1 | S |
| 68.108 | 0.0000 | 0.0000 | 83.999 | 0.08936 | 0.00000 | 319537.6 | 121401.3 | 183122.1 | S |
| 68.117 | 0.0000 | 0.0000 | 83.999 | 0.08934 | 0.00000 | 319537.6 | 121404.0 | 183122.1 | S |
| 68.125 | 0.0000 | 0.0000 | 83.999 | 0.08932 | 0.00000 | 319537.6 | 121406.7 | 183122.1 | S |
| 68.133 | 0.0000 | 0.0000 | 83.998 | 0.08930 | 0.00000 | 319537.6 | 121409.4 | 183122.1 | S |
| 68.142 | 0.0000 | 0.0000 | 83.998 | 0.08928 | 0.00000 | 319537.6 | 121412.0 | 183122.1 | S |
| 68.150 | 0.0000 | 0.0000 | 83.998 | 0.08926 | 0.00000 | 319537.6 | 121414.7 | 183122.1 | S |
| 68.158 | 0.0000 | 0.0000 | 83.997 | 0.08924 | 0.00000 | 319537.6 | 121417.4 | 183122.1 | S |
| 68.167 | 0.0000 | 0.0000 | 83.997 | 0.08922 | 0.00000 | 319537.6 | 121420.1 | 183122.1 | S |
| 68.175 | 0.0000 | 0.0000 | 83.997 | 0.08920 | 0.00000 | 319537.6 | 121422.7 | 183122.1 | S |
| 68.183 | 0.0000 | 0.0000 | 83.997 | 0.08918 | 0.00000 | 319537.6 | 121425.4 | 183122.1 | S |
| 68.192 | 0.0000 | 0.0000 | 83.996 | 0.08916 | 0.00000 | 319537.6 | 121428.1 | 183122.1 | S |
| 68.200 | 0.0000 | 0.0000 | 83.996 | 0.08914 | 0.00000 | 319537.6 | 121430.8 | 183122.1 | S |
| 68.208 | 0.0000 | 0.0000 | 83.996 | 0.08912 | 0.00000 | 319537.6 | 121433.4 | 183122.1 | S |
| 68.217 | 0.0000 | 0.0000 | 83.995 | 0.08910 | 0.00000 | 319537.6 | 121436.1 | 183122.1 | S |
| 68.225 | 0.0000 | 0.0000 | 83.995 | 0.08908 | 0.00000 | 319537.6 | 121438.8 | 183122.1 | S |
| 68.233 | 0.0000 | 0.0000 | 83.995 | 0.08906 | 0.00000 | 319537.6 | 121441.5 | 183122.1 | S |
| 68.242 | 0.0000 | 0.0000 | 83.995 | 0.08904 | 0.00000 | 319537.6 | 121444.1 | 183122.1 | S |
| 68.250 | 0.0000 | 0.0000 | 83.994 | 0.08902 | 0.00000 | 319537.6 | 121446.8 | 183122.1 | S |
| 68.258 | 0.0000 | 0.0000 | 83.994 | 0.08900 | 0.00000 | 319537.6 | 121449.5 | 183122.1 | S |
| 68.267 | 0.0000 | 0.0000 | 83.994 | 0.08898 | 0.00000 | 319537.6 | 121452.1 | 183122.1 | S |
| 68.275 | 0.0000 | 0.0000 | 83.993 | 0.08896 | 0.00000 | 319537.6 | 121454.8 | 183122.1 | S |
| 68.283 | 0.0000 | 0.0000 | 83.993 | 0.08894 | 0.00000 | 319537.6 | 121457.5 | 183122.1 | S |
| 68.292 | 0.0000 | 0.0000 | 83.993 | 0.08892 | 0.00000 | 319537.6 | 121460.1 | 183122.1 | S |
| 68.300 | 0.0000 | 0.0000 | 83.993 | 0.08890 | 0.00000 | 319537.6 | 121462.8 | 183122.1 | S |
| 68.308 | 0.0000 | 0.0000 | 83.992 | 0.08888 | 0.00000 | 319537.6 | 121465.5 | 183122.1 | S |
| 68.317 | 0.0000 | 0.0000 | 83.992 | 0.08886 | 0.00000 | 319537.6 | 121468.1 | 183122.1 | S |
| 68.325 | 0.0000 | 0.0000 | 83.992 | 0.08884 | 0.00000 | 319537.6 | 121470.8 | 183122.1 | S |
| 68.333 | 0.0000 | 0.0000 | 83.991 | 0.08882 | 0.00000 | 319537.6 | 121473.5 | 183122.1 | S |
| 68.342 | 0.0000 | 0.0000 | 83.991 | 0.08880 | 0.00000 | 319537.6 | 121476.1 | 183122.1 | S |
| 68.350 | 0.0000 | 0.0000 | 83.991 | 0.08878 | 0.00000 | 319537.6 | 121478.8 | 183122.1 | S |
| 68.358 | 0.0000 | 0.0000 | 83.991 | 0.08876 | 0.00000 | 319537.6 | 121481.5 | 183122.1 | S |
| 68.367 | 0.0000 | 0.0000 | 83.990 | 0.08874 | 0.00000 | 319537.6 | 121484.1 | 183122.1 | S |
| 68.375 | 0.0000 | 0.0000 | 83.990 | 0.08872 | 0.00000 | 319537.6 | 121486.8 | 183122.1 | S |
| 68.383 | 0.0000 | 0.0000 | 83.990 | 0.08870 | 0.00000 | 319537.6 | 121489.5 | 183122.1 | S |
| 68.392 | 0.0000 | 0.0000 | 83.989 | 0.08868 | 0.00000 | 319537.6 | 121492.1 | 183122.1 | S |
| 68.400 | 0.0000 | 0.0000 | 83.989 | 0.08866 | 0.00000 | 319537.6 | 121494.8 | 183122.1 | S |
| 68.408 | 0.0000 | 0.0000 | 83.989 | 0.08864 | 0.00000 | 319537.6 | 121497.4 | 183122.1 | S |
| 68.417 | 0.0000 | 0.0000 | 83.989 | 0.08863 | 0.00000 | 319537.6 | 121500.1 | 183122.1 | S |
| 68.425 | 0.0000 | 0.0000 | 83.988 | 0.08861 | 0.00000 | 319537.6 | 121502.8 | 183122.1 | S |
| 68.433 | 0.0000 | 0.0000 | 83.988 | 0.08859 | 0.00000 | 319537.6 | 121505.4 | 183122.1 | S |
| 68.442 | 0.0000 | 0.0000 | 83.988 | 0.08857 | 0.00000 | 319537.6 | 121508.1 | 183122.1 | S |

# PONDS Version 3.2.0207 <br> Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E. 

Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{2}$ ) | Cumulative Discharge Volume ( $\mathrm{fl}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 68.450 | 0.0000 | 0.0000 | 83.987 | 0.08855 | 0.00000 | 319537.6 | 121510.7 | 183122.1 | S |
| 68.458 | 0.0000 | 0.0000 | 83.987 | 0.08853 | 0.00000 | 319537.6 | 121513.4 | 183122.1 | S |
| 68.467 | 0.0000 | 0.0000 | 83.987 | 0.08851 | 0.00000 | 319537.6 | 121516.0 | 183122.1 | S |
| 68.475 | 0.0000 | 0.0000 | 83.987 | 0.08849 | 0.00000 | 319537.6 | 121518.7 | 183122.1 | S |
| 68.483 | 0.0000 | 0.0000 | 83.986 | 0.08847 | 0.00000 | 319537.6 | 121521.3 | 183122.1 | S |
| 68.492 | 0.0000 | 0.0000 | 83.986 | 0.08845 | 0.00000 | 319537.6 | 121524.0 | 183122.1 | S |
| 68.500 | 0.0000 | 0.0000 | 83.986 | 0.08843 | 0.00000 | 319537.6 | 121526.6 | 183122.1 | S |
| 68.508 | 0.0000 | 0.0000 | 83.985 | 0.08841 | 0.00000 | 319537.6 | 121529.3 | 183122.4 | S |
| 68.517 | 0.0000 | 0.0000 | 83,985 | 0.08839 | 0.00000 | 319537.6 | 121532.0 | 183122.1 | S |
| 68.525 | 0.0000 | 0.0000 | 83.985 | 0.08837 | 0.00000 | 319537.6 | 121534.6 | 183122.1 | S |
| 68.533 | 0.0000 | 0.0000 | 83.985 | 0.08835 | 0.00000 | 319537.6 | 121537.3 | 183122.1 | S |
| 68.542 | 0.0000 | 0.0000 | 83.984 | 0.08833 | 0.00000 | 319537.6 | 121539.9 | 183122.1 | S |
| 68.550 | 0.0000 | 0.0000 | 83.984 | 0.08831 | 0.00000 | 319537.6 | 121542.6 | 183122.1 | S |
| 68.558 | 0.0000 | 0.0000 | 83.984 | 0.08829 | 0.00000 | 319537.6 | 121545.2 | \$83122.1 | S |
| 68.567 | 0.0000 | 0.0000 | 83.983 | 0.08827 | 0.00000 | 319537.6 | 121547.9 | 183122.1 | S |
| 68.575 | 0.0000 | 0.0000 | 83.983 | 0.08825 | 0.00000 | 319537.6 | 121550.5 | 183122.1 | S |
| 68.583 | 0.0000 | 0.0000 | 83.983 | 0.08823 | 0.00000 | 319537.6 | 121553.1 | 183122.1 | S |
| 68.592 | 0.0000 | 0.0000 | 83.983 | 0.08821 | 0.00000 | 319537.6 | 121555.8 | 183122.1 | S |
| 68.600 | 0.0000 | 0.0000 | 83.982 | 0.08819 | 0.00000 | 319537.6 | 121558.4 | 183122.1 | S |
| 68.608 | 0.0000 | 0.0000 | 83.982 | 0.08818 | 0.00000 | 319537.6 | 121561.1 | 183122.1 | S |
| 68.617 | 0.0000 | 0.0000 | 83.982 | 0.08816 | 0.00000 | 319537.6 | 121563.7 | 183122.1 | S |
| 68.625 | 0.0000 | 0.0000 | 83.981 | 0.08814 | 0.00000 | 319537.6 | 121566.4 | 183122.1 | S |
| 68.633 | 0.0000 | 0.0000 | 83.981 | 0.08812 | 0.00000 | 319537.6 | 121569.0 | 183122.1 | S |
| 68.642 | 0.0000 | 0.0000 | 83.981 | 0.08810 | 0.00000 | 319537.6 | 121571.7 | 183122.1 | S |
| 68.650 | 0.0000 | 0.0000 | 83.981 | 0.08808 | 0.00000 | 319537.6 | 121574.3 | 183122.1 | S |
| 68.658 | 0.0000 | 0.0000 | 83.980 | 0.08806 | 0.00000 | 319537.6 | 121577.0 | 183122.1 | S |
| 68.667 | 0.0000 | 0.0000 | 83.980 | 0.08804 | 0.00000 | 319537.6 | 121579.6 | 183122.1 | S |
| 68.675 | 0.0000 | 0.0000 | 83.980 | 0.08802 | 0.00000 | 319537.6 | 121582.2 | 183122.1 | S |
| 68.683 | 0.0000 | 0.0000 | 83.980 | 0.08800 | 0.00000 | 319537.6 | 121584.9 | 183122.4 | S |
| 68.692 | 0.0000 | 0.0000 | 83.979 | 0.08798 | 0.00000 | 319537.6 | 121587.5 | 183122.1 | S |
| 68.700 | 0.0000 | 0.0000 | 83.979 | 0.08796 | 0.00000 | 319537.6 | 121590.1 | 183122.1 | S |
| 68.708 | 0.0000 | 0.0000 | 83.979 | 0.08794 | 0.00000 | 319537.6 | 121592.8 | 183122.1 | S |
| 68.717 | 0.0000 | 0.0000 | 83.978 | 0.08792 | 0.00000 | 319537.6 | 121595.4 | 183122.1 | S |
| 68.725 | 0.0000 | 0.0000 | 83.978 | 0.08790 | 0.00000 | 319537.6 | 121598.1 | 183122.1 | S |
| 68.733 | 0.0000 | 0.0000 | 83.978 | 0.08789 | 0.00000 | 319537.6 | 121600.7 | 183122.1 | S |
| 68.742 | 0.0000 | 0.0000 | 83.978 | 0.08787 | 0.00000 | 319537.6 | 121603.3 | 183122.1 | S |
| 68.750 | 0.0000 | 0.0000 | 83.977 | 0.08785 | 0.00000 | 319537.6 | 121606.0 | 183122.1 | S |
| 68.758 | 0.0000 | 0.0000 | 83.977 | 0.08783 | 0.00000 | 319537.6 | 121608.6 | 183122.1 | S |
| 68.767 | 0.0000 | 0.0000 | 83.977 | 0.08781 | 0.00000 | 319537.6 | 121611.2 | 183122.1 | S |
| 68.775 | 0.0000 | 0.0000 | 83.976 | 0.08779 | 0.00000 | 319537.6 | 121613.9 | 183122.1 | S |
| 68.783 | 0.0000 | 0.0000 | 83.976 | 0.08777 | 0.00000 | 319537.6 | 121616.5 | 183122.1 | S |
| 68.782 | 0.0000 | 0.0000 | 83.976 | 0.08775 | 0.00000 | 319537.6 | 121619.1 | 183122.1 | S |
| 68.800 | 0.0000 | 0.0000 | 83.976 | 0.08773 | 0.00000 | 319537.6 | 121621.8 | 183122.1 | S |
| 68.808 | 0.0000 | 0.0000 | 83.975 | 0.08771 | 0.00000 | 319537.6 | 121624.4 | 183122.1 | S |
| 68.817 | 0.0000 | 0.0000 | 83.975 | 0.08769 | 0.00000 | 319537.6 | 121627.0 | 183122.1 | S |
| 68.825 | 0.0000 | 0.0000 | 83.975 | 0.08767 | 0.00000 | 319537.6 | 121629.7 | 183122.1 | S |
| 68.833 | 0.0000 | 0.0000 | 83.974 | 0.08765 | 0.00000 | 319537.6 | 121632.3 | 183122.1 | S |
| 68.842 | 0.0000 | 0.0000 | 83.974 | 0.08764 | 0.00000 | 319537.6 | 121634.9 | 183122.1 | S |
| 68.850 | 0.0000 | 0.0000 | 83.974 | 0.08762 | 0.00000 | 319537.6 | 121637.6 | 183122.1 | S |
| 68.858 | 0.0000 | 0.0000 | 83.974 | 0.08760 | 0.00000 | 319537.6 | 121640.2 | 183122.1 | S |
| 68.867 | 0.0000 | 0.0000 | 83.973 | 0.08758 | 0.00000 | 319537.6 | 121642.8 | 183122.4 | S |
| 68.875 | 0.0000 | 0.0000 | 83.973 | 0.08756 | 0.00000 | 319537.6 | \$21645.4 | 183122.1 | S |
| 68.883 | 0.0000 | 0.0000 | 83.973 | 0.08754 | 0.00000 | 319537.6 | 121648.1 | 183122.1 | S |
| 68.892 | 0.0000 | 0.0000 | 83.972 | 0.08752 | 0.00000 | 319537.6 | 121650.7 | 183122.1 | S |
| 68.900 | 0.0000 | 0.0000 | 83.972 | 0.08750 | 0.00000 | 319537.6 | 121653.3 | 183122.1 | S |
| 68.908 | 0.0000 | 0.0000 | 83.972 | 0.08748 | 0.00000 | 319537.6 | 121655.9 | 183122.1 | S |
| 68.917 | 0.0000 | 0.0000 | 83.972 | 0.08746 | 0.00000 | 319537.6 | 121658.6 | 183122.1 | S |
| 68.925 | 0.0000 | 0.0000 | 83.971 | 0.08744 | 0.00000 | 319537.6 | 121661.2 | 183122.1 | S |
| 68.933 | 0.0000 | 0.0000 | 83.971 | 0.08743 | 0.00000 | 319537.6 | 121663.8 | 183122.1 | S |
| 68.942 | 0.0000 | 0.0000 | 83.971 | 0.08741 | 0.00000 | 319537.6 | 121666.4 | 183122.1 | S |
| 68.950 | 0.0000 | 0.0000 | 83.970 | 0.08739 | 0.00000 | 319537.6 | 121669.1 | 183122.1 | S |
| 68.958 | 0.0000 | 0.0000 | 83.970 | 0.08737 | 0.00000 | 319537.6 | 121671.7 | 183122.1 | S |
| 68.967 | 0.0000 | 0.0000 | 83.970 | 0.08735 | 0.00000 | 319537.6 | 121674.3 | 183122.1 | S |
| 68.975 | 0.0000 | 0.0000 | 83.970 | 0.08733 | 0.00000 | 319537.6 | 121676.9 | 183122.1 | S |
| 68.983 | 0.0000 | 0.0000 | 83.969 | 0.08731 | 0.00000 | 319537.6 | 121679.5 | 183122.1 | S |
| 68.992 | 0.0000 | 0.0000 | 83.969 | 0.08729 | 0.00000 | 319537.6 | 121682.2 | 183122.1 | S |
| 69.000 | 0.0000 | 0.0000 | 83.969 | 0.08727 | 0.00000 | 319537.6 | 121684.8 | 183122.1 | S |
| 69.008 | 0.0000 | 0.0000 | 83.969 | 0.08725 | 0.00000 | 319537.6 | 121687.4 | 183122.1 | S |
| 69.017 | 0.0000 | 0.0000 | 83.968 | 0.08724 | 0.00000 | 319537.6 | 121690.0 | 183122.1 | S |
| 69.025 | 0.0000 | 0.0000 | 83.968 | 0.08722 | 0.00000 | 319537.6 | 121692.6 | 183122.1 | S |
| 69.033 | 0.0000 | 0.0000 | 83.968 | 0.08720 | 0.00000 | 319537.6 | 121695.2 | 183122.1 | S |
| 69.042 | 0.0000 | 0.0000 | 83.967 | 0.08718 | 0.00000 | 319537.6 | 121697.9 | 183122.1 | S |
| 69.050 | 0.0000 | 0.0000 | 83.967 | 0.08716 | 0.00000 | 319537.6 | 121700.5 | 183122.1 | S |
| 69.058 | 0.0000 | 0.0000 | 83.967 | 0.08714 | 0.00000 | 319537.6 | 121703.1 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | knflow Rate (fis/s) | Outside Recharge (ft/day) | Stage Elevation ( t datum) | Infiltration Rate (ft3/s) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | $\begin{aligned} & \text { Cumulative } \\ & \text { Inflow } \\ & \text { volume }\left(\mathrm{ft}^{3}\right) \end{aligned}$ | Cumulative Infiltration Volume ( $\mathrm{ft}^{5}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 69.067 | 0.0000 | 0.0000 | 83.967 | 0.08712 | 0.00000 | 319537.6 | 121705.7 | 183122.1 | S |
| 69.075 | 0.0000 | 0.0000 | 83.966 | 0.08710 | 0.00000 | 319537.6 | 121708.3 | 183122.1 | S |
| 69.083 | 0.0000 | 0.0000 | 83.966 | 0.08708 | 0.00000 | 319537.6 | 121710.9 | 183122.1 | S |
| 69.092 | 0.0000 | 0.0000 | 83.966 | 0.08707 | 0.00000 | 319537.6 | 121713.5 | 183122.1 | S |
| 69.100 | 0.0000 | 0.0000 | 83.965 | 0.08705 | 0.00000 | 319537.6 | 121716.2 | ¢83122.1 | S |
| 69.108 | 0.0000 | 0.0000 | 83.965 | 0.08703 | 0.00000 | 319537.6 | 121718.8 | 183122.1 | S |
| 69.117 | 0.0000 | 0.0000 | 83.965 | 0.08701 | 0.00000 | 319537.6 | 121721.4 | 183122.1 | S |
| 69.125 | 0.0000 | 0.0000 | 83.965 | 0.08699 | 0.00000 | 319537.6 | 121724.0 | 183122.1 | S |
| 69.133 | 0.0000 | 0.0000 | 83.964 | 0.08697 | 0.00000 | 319537.6 | 121726.6 | 183122.1 | S |
| 69.142 | 0.0000 | 0.0000 | 83.964 | 0.08695 | 0.00000 | 319537.6 | 121729.2 | 183122.1 | S |
| 69.150 | 0.0000 | 0.0000 | 83.964 | 0.08693 | 0.00000 | 319537.6 | 121731.8 | 183122.1 | S |
| 69.158 | 0.0000 | 0.0000 | 83.963 | 0.08691 | 0.00000 | 319537.6 | 121734.4 | 183122.1 | S |
| 69.167 | 0.0000 | 0.0000 | 83.963 | 0.08690 | 0.00000 | 319537.6 | 121737.0 | 183122.1 | S |
| 69.175 | 0.0000 | 0.0000 | 83.963 | 0.08688 | 0.00000 | 319537.6 | 121739.6 | 183122.1 | S |
| 69.183 | 0.0000 | 0.0000 | 83.963 | 0.08686 | 0.00000 | 319537.6 | 121742.2 | 183122.1 | S |
| 69.192 | 0.0000 | 0.0000 | 83.962 | 0.08684 | 0.00000 | 319537.6 | 121744.8 | 183122.1 | S |
| 69.200 | 0.0000 | 0.0000 | 83.962 | 0.08682 | 0.00000 | 319537.6 | 121747.5 | 183122.1 | S |
| 69.208 | 0.0000 | 0.0000 | 83.962 | 0.08680 | 0.00000 | 319537.6 | 121750.1 | 183122.1 | S |
| 69.217 | 0.0000 | 0.0000 | 83.961 | 0.08678 | 0.00000 | 319537.6 | 121752.7 | 183122.1 | S |
| 69.225 | 0.0000 | 0.0000 | 83.961 | 0.08676 | 0.00000 | 319537.6 | 121755.3 | 183122.1 | S |
| 69.233 | 0.0000 | 0.0000 | 83.961 | 0.08675 | 0.00000 | 319537.6 | 121757.9 | 183122.1 | S |
| 69.242 | 0.0000 | 0.0000 | 83.961 | 0.08673 | 0.00000 | 319537.6 | 121760.5 | 183122.1 | S |
| 69.250 | 0.0000 | 0.0000 | 83.960 | 0.08671 | 0.00000 | 319537.6 | 121763.1 | 183122.1 | S |
| 69.258 | 0.0000 | 0.0000 | 83.960 | 0.08669 | 0.00000 | 319537.6 | 121765.7 | 183122.1 | S |
| 69.267 | 0.0000 | 0.0000 | 83.960 | 0.08667 | 0.00000 | 319537.6 | 121768.3 | 183122.1 | S |
| 69.275 | 0.0000 | 0.0000 | 83.960 | 0.08665 | 0.00000 | 319537.6 | 121770.9 | 183122.1 | S |
| 69.283 | 0.0000 | 0.0000 | 83.959 | 0.08663 | 0.00000 | 319537.6 | 121773.5 | 183122.1 | S |
| 69.292 | 0.0000 | 0.0000 | 83.959 | 0.08661 | 0.00000 | 319537.6 | 121776.1 | 183122.1 | S |
| 68.300 | 0.0000 | 0.0000 | 83.959 | 0.08660 | 0.00000 | 319537.6 | 121778.7 | 183122.1 | S |
| 68.308 | 0.0000 | 0.0000 | 83.958 | 0.08658 | 0.00000 | 319537.6 | 121781.3 | 183122.1 | S |
| 69.317 | 0.0000 | 0.0000 | 83.958 | 0.08656 | 0.00000 | 319537.6 | 121783.9 | 183122.1 | S |
| 69.325 | 0.0000 | 0.0000 | 83.958 | 0.08654 | 0.00000 | 319537.6 | 121786.5 | 183122.1 | S |
| 69.333 | 0.0000 | 0.0000 | 83.958 | 0.08652 | 0.00000 | 319537.6 | 121789.1 | 183122.1 | S |
| 69.342 | 0.0000 | 0.0000 | 83.957 | 0.08650 | 0.00000 | 319537.6 | 121791.6 | 183122.1 | S |
| 69.350 | 0.0000 | 0.0000 | 83.957 | 0.08648 | 0.00000 | 319537.6 | 121794.2 | 183122.1 | S |
| 69.358 | 0.0000 | 0.0000 | 83.957 | 0.08647 | 0.00000 | 319537.6 | 121796.8 | 183122.1 | S |
| 69.367 | 0.0000 | 0.0000 | 83.956 | 0.08645 | 0.00000 | 319537.6 | 121799.4 | 183122.1 | S |
| 69.375 | 0.0000 | 0.0000 | 83.956 | 0.08643 | 0.00000 | 319537.6 | 121802.0 | 183122.1 | S |
| 69.383 | 0.0000 | 0.0000 | 83.956 | 0.08641 | 0.00000 | 319537.6 | 121804.6 | 183122.1 | S |
| 69.392 | 0.0000 | 0.0000 | 83.956 | 0.08639 | 0.00000 | 319537.6 | 121807.2 | 183122.1 | S |
| 69.400 | 0.0000 | 0.0000 | 83.955 | 0.08637 | 0.00000 | 319537.6 | 121809.8 | 183122.1 | S |
| 69.408 | 0.0000 | 0.0000 | 83.955 | 0.08635 | 0.00000 | 319537.6 | 121812.4 | 183122.1 | S |
| 69.417 | 0.0000 | 0.0000 | 83.955 | 0.08634 | 0.00000 | 319537.6 | 121815.0 | 183122.1 | S |
| 69.425 | 0.0000 | 0.0000 | 83.954 | 0.08632 | 0.00000 | 319537.6 | 121817.6 | 183122.1 | S |
| 69.433 | 0.0000 | 0.0000 | 83.954 | 0.08630 | 0.00000 | 319537.6 | 121820.2 | 183122.1 | S |
| 69.442 | 0.0000 | 0.0000 | 83.954 | 0.08628 | 0.00000 | 319537.6 | 121822.8 | 183122.4 | S |
| 69.450 | 0.0000 | 0.0000 | 83.954 | 0.08626 | 0.00000 | 319537.6 | 121825.3 | 183122.1 | S |
| 69.458 | 0.0000 | 0.0000 | 83.953 | 0.08624 | 0.00000 | 319537.6 | 121827.9 | 183122.1 | S |
| 69.467 | 0.0000 | 0.0000 | 83.953 | 0.08622 | 0.00000 | 319537.6 | 121830.5 | 183122.1 | S |
| 69.475 | 0.0000 | 0.0000 | 83.953 | 0.08621 | 0.00000 | 319537.6 | 121833.1 | 183122.1 | S |
| 69.483 | 0.0000 | 0.0000 | 83.953 | 0.08619 | 0.00000 | 319537.6 | 121835.7 | 183122.1 | S |
| 69.492 | 0.0000 | 0.0000 | 83.952 | 0.08617 | 0.00000 | 319537.6 | 121838.3 | 183122.1 | S |
| 69.500 | 0.0000 | 0.0000 | 83.952 | 0.08615 | 0.00000 | 319537.6 | 121840.9 | 183122.1 | S |
| 69.508 | 0.0000 | 0.0000 | 83.952 | 0.08613 | 0.00000 | 319537.6 | 121843.4 | 183122.1 | S |
| 69.517 | 0.0000 | 0.0000 | 83.951 | 0.08611 | 0.00000 | 319537.6 | 121846.0 | 183122.1 | S |
| 69.525 | 0.0000 | 0.0000 | 83.951 | 0.08609 | 0.00000 | 319537.6 | 121848.6 | 183122.1 | S |
| 69.533 | 0.0000 | 0.0000 | 83.951 | 0.08608 | 0.00000 | 319537.6 | 121851.2 | 183122.1 | S |
| 69.542 | 0.0000 | 0.0000 | 83.951 | 0.08606 | 0.00000 | 319537.6 | 121853.8 | 183122.1 | S |
| 69.550 | 0.0000 | 0.0000 | 83.950 | 0.08604 | 0.00000 | 319537.6 | 121856.4 | 183122.1 | S |
| 69.558 | 0.0000 | 0.0000 | 83.950 | 0.08602 | 0.00000 | 319537.6 | 121858.9 | 183122.1 | S |
| 69.567 | 0.0000 | 0.0000 | 83.950 | 0.08600 | 0.00000 | 319537.6 | 121861.5 | 183122.1 | S |
| 69.575 | 0.0000 | 0.0000 | 83.949 | 0.08598 | 0.00000 | 319537.6 | 121864.1 | 183122.1 | S |
| 69.583 | 0.0000 | 0.0000 | 83.949 | 0.08597 | 0.00000 | 319537.6 | 121866.7 | 183122.1 | S |
| 69.592 | 0.0000 | 0.0000 | 83.949 | 0.08595 | 0.00000 | 319537.6 | 121869.3 | 183122.1 | S |
| 69.600 | 0.0000 | 0.0000 | 83.949 | 0.08593 | 0.00000 | 319537.6 | 121871.8 | 183122.1 | S |
| 69.608 | 0.0000 | 0.0000 | 83.948 | 0.08591 | 0.00000 | 319537.6 | 121874.4 | 183122.1 | S |
| 69.617 | 0.0000 | 0.0000 | 83.948 | 0.08589 | 0.00000 | 319537.6 | 121877.0 | 183122.1 | S |
| 69.625 | 0.0000 | 0.0000 | 83.948 | 0.08587 | 0.00000 | 319537.6 | 121879.6 | 183122.1 | S |
| 69.633 | 0.0000 | 0.0000 | 83.948 | 0.08586 | 0.00000 | 319537.6 | 121882.9 | 183122.1 | S |
| 69.642 | 0.0000 | 0.0000 | 83.947 | 0.08584 | 0.00000 | 319537.6 | 121884.7 | 183122.1 | S |
| 69.650 | 0.0000 | 0.0000 | 83.947 | 0.08582 | 0.00000 | 319537.6 | 121887.3 | 183122.1 | S |
| 69.658 | 0.0000 | 0.0000 | 83.947 | 0.08580 | 0.00000 | 319537.6 | 121889.9 | 183122.1 | S |
| 69.667 | 0.0000 | 0.0000 | 83.946 | 0.08578 | 0.00000 | 319537.6 | 121892.4 | 183122.1 | S |
| 69.675 | 0.0000 | 0.0000 | 83.946 | 0.08576 | 0.00000 | 319537.6 | 121895.0 | 183122.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/overflow

| Elapsed Time (hours) | Inflow Rate (ft3/s) | Outside Recharge (flday) | Stage Elevation ( 1 datum) | Infiltration Rate (f $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3 / 3 / 5}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 69.683 | 0.0000 | 0.0000 | 83.946 | 0.08575 | 0.00000 | 319537.6 | 121897.6 | 183122.1 | S |
| 69.692 | 0.0000 | 0.0000 | 83.946 | 0.08573 | 0.00000 | 319537.6 | 121900.1 | 183122.1 | S |
| 69.700 | 0.0000 | 0.0000 | 83.945 | 0.08571 | 0.00000 | 319537.6 | 121902.7 | 183122.1 | S |
| 69.708 | 0.0000 | 0.0000 | 83.945 | 0.08569 | 0.00000 | 319537.6 | 121905.3 | 183122.1 | S |
| 69.717 | 0.0000 | 0.0000 | 83.945 | 0.08567 | 0.00000 | 319537.6 | 121907.9 | 183122.1 | S |
| 69.725 | 0.0000 | 0.0000 | 83.944 | 0.08565 | 0.00000 | 319537.6 | 121910.4 | 183122.1 | S |
| 69.733 | 0.0000 | 0.0000 | 83.944 | 0.08564 | 0.00000 | 319537.6 | 121913.0 | 183122.1 | S |
| 69.742 | 0.0000 | 0.0000 | 83.944 | 0.08562 | 0.00000 | 319537.6 | 121915.6 | 183122.1 | S |
| 69.750 | 0.0000 | 0.0000 | 83.944 | 0.08560 | 0.00000 | 319537.6 | 121918.1 | 183122.1 | S |
| 69.758 | 0.0000 | 0.0000 | 83.943 | 0.08558 | 0.00000 | 319537.6 | 121920.7 | 183122.1 | S |
| 69.767 | 0.0000 | 0.0000 | 83.943 | 0.08556 | 0.00000 | 319537.6 | 121923.3 | 183122.1 | S |
| 69.775 | 0.0000 | 0.0000 | 83.943 | 0.08554 | 0.00000 | 319537.6 | 121925.8 | 183122.1 | S |
| 69.783 | 0.0000 | 0.0000 | 83.943 | 0.08553 | 0.00000 | 319537.6 | 121928.4 | 183122.1 | S |
| 69.792 | 0.0000 | 0.0000 | 83.942 | 0.08551 | 0.00000 | 319537.6 | 121931.0 | 183122.1 | S |
| 69.800 | 0.0000 | 0.0000 | 83.942 | 0.08549 | 0.00000 | 319537.6 | 121933.5 | 183122.1 | S |
| 69.808 | 0.0000 | 0.0000 | 83.942 | 0.08547 | 0.00000 | 319537.6 | 121936.1 | 183122.1 | S |
| 69.817 | 0.0000 | 0.0000 | 83.941 | 0.08545 | 0.00000 | 319537.6 | 121938.7 | 183122.1 | S |
| 69.825 | 0.0000 | 0.0000 | 83.941 | 0.08543 | 0.00000 | 319537.6 | 121941.2 | 183122.1 | S |
| 69.833 | 0.0000 | 0.0000 | 83.941 | 0.08542 | 0.00000 | 319537.6 | 121943.8 | 183122.1 | S |
| 69.842 | 0.0000 | 0.0000 | 83.941 | 0.08540 | 0.00000 | 319537.6 | 121946.4 | 183122.1 | S |
| 69.850 | 0.0000 | 0.0000 | 83.940 | 0.08538 | 0.00000 | 319537.6 | 121948.9 | 183122.1 | S |
| 69.858 | 0.0000 | 0.0000 | 83.940 | 0.08536 | 0.00000 | 319537.6 | 121951.5 | 183122.1 | S |
| 69.867 | 0.0000 | 0.0000 | 83.940 | 0.08534 | 0.00000 | 319537.6 | 121954.0 | 183122.1 | S |
| 69.875 | 0.0000 | 0.0000 | 83.939 | 0.08533 | 0.00000 | 319537.6 | 121956.6 | 183122.1 | S |
| 69.883 | 0.0000 | 0.0000 | 83.939 | 0.08531 | 0.00000 | 319537.6 | 121959.2 | 183122.1 | S |
| 69.892 | 0.0000 | 0.0000 | 83.939 | 0.08529 | 0.00000 | 319537.6 | 121961.7 | 183122.1 | S |
| 69.900 | 0.0000 | 0.0000 | 83.939 | 0.08527 | 0.00000 | 319537.6 | 121964.3 | 183122.1 | S |
| 69.908 | 0.0000 | 0.0000 | 83.938 | 0.08525 | 0.00000 | 319537.6 | 121966.8 | 183122.1 | S |
| 69.917 | 0.0000 | 0.0000 | 83.938 | 0.08524 | 0.00000 | 319537.6 | 121969.4 | 183122.1 | S |
| 69.925 | 0.0000 | 0.0000 | 83.938 | 0.08522 | 0.00000 | 319537.6 | 121971.9 | 183122.1 | S |
| 69.933 | 0.0000 | 0.0000 | 83.938 | 0.08520 | 0.00000 | 319537.6 | 121974.5 | 183122.1 | S |
| 69.942 | 0.0000 | 0.0000 | 83.937 | 0.08518 | 0.00000 | 319537.6 | 121977.1 | 183122.1 | S |
| 69.950 | 0.0000 | 0.0000 | 83.937 | 0.08516 | 0.00000 | 319537.6 | 121979.6 | 183122.1 | S |
| 69.958 | 0.0000 | 0.0000 | 83.937 | 0.08514 | 0.00000 | 319537.6 | 121982.2 | 183122.1 | S |
| 69.967 | 0.0000 | 0.0000 | 83.936 | 0.08513 | 0.00000 | 319537.6 | 121984.7 | 183122.1 | S |
| 69.975 | 0.0000 | 0.0000 | 83.936 | 0.08511 | 0.00000 | 319537.6 | 121987.3 | 183122.1 | S |
| 69.983 | 0.0000 | 0.0000 | 83.936 | 0.08509 | 0.00000 | 319537.6 | 121989.8 | 183122.1 | S |
| 69.992 | 0.0000 | 0.0000 | 83.936 | 0.08507 | 0.00000 | 319537.6 | 121992.4 | 183122.1 | S |
| 70.000 | 0.0000 | 0.0000 | 83.935 | 0.08505 | 0.00000 | 319537.6 | 121994.9 | 183122.1 | S |
| 70.008 | 0.0000 | 0.0000 | 83.935 | 0.08504 | 0.00000 | 319537.6 | 121997.5 | 183122.1 | S |
| 70.017 | 0.0000 | 0.0000 | 83.935 | 0.08502 | 0.00000 | 319537.6 | 122000.0 | 183122.1 | S |
| 70.025 | 0.0000 | 0.0000 | 83.934 | 0.08500 | 0.00000 | 319537.6 | 122002.6 | 183122.1 | S |
| 70.033 | 0.0000 | 0.0000 | 83.934 | 0.08498 | 0.00000 | 319537.6 | 122005.1 | 183122.7 | S |
| 70.042 | 0.0000 | 0.0000 | 83.934 | 0.08496 | 0.00000 | 319537.6 | 122007.7 | 183122.1 | S |
| 70.050 | 0.0000 | 0.0000 | 83.934 | 0.08495 | 0.00000 | 319537.6 | 122010.2 | 183122.1 | S |
| 70.058 | 0.0000 | 0.0000 | 83.933 | 0.08493 | 0.00000 | 319537.6 | 122012.8 | 183122.1 | S |
| 70.067 | 0.0000 | 0.0000 | 83.933 | 0.08491 | 0.00000 | 319537.6 | 122015.3 | 183122.1 | S |
| 70.075 | 0.0000 | 0.0000 | 83.933 | 0.08489 | 0.00000 | 319537.6 | 122017.9 | 183122.1 | S |
| 70.083 | 0.0000 | 0.0000 | 83.933 | 0.08487 | 0.00000 | 319537.6 | 122020.4 | 183122.1 | S |
| 70.092 | 0.0000 | 0.0000 | 83.932 | 0.08486 | 0.00000 | 319537.6 | 122023.0 | 183122.1 | S |
| 70.100 | 0.0000 | 0.0000 | 83.932 | 0.08484 | 0.00000 | 319537.6 | 122025.5 | 183122.1 | S |
| 70.108 | 0.0000 | 0.0000 | 83.932 | 0.08482 | 0.00000 | 319537.6 | 122028.1 | 183122.1 | S |
| 70.117 | 0.0000 | 0.0000 | 83.931 | 0.08480 | 0.00000 | 319537.6 | 122030.6 | 183122.1 | S |
| 70.125 | 0.0000 | 0.0000 | 83.931 | 0.08478 | 0.00000 | 319537.6 | 122033.1 | 183122.1 | S |
| 70.133 | 0.0000 | 0.0000 | 83.931 | 0.08477 | 0.00000 | 319537.6 | 122035.7 | 183122.1 | S |
| 70.142 | 0.0000 | 0.0000 | 83.931 | 0.08475 | 0.00000 | 319537.6 | 122038.2 | 183122.1 | S |
| 70.150 | 0.0000 | 0.0000 | 83.930 | 0.08473 | 0.00000 | 319537.6 | 122040.8 | 183122.1 | S |
| 70.158 | 0.0000 | 0.0000 | 83.930 | 0.08471 | 0.00000 | 319537.6 | 122043.3 | 183122.1 | S |
| 70.167 | 0.0000 | 0.0000 | 83.930 | 0.08470 | 0.00000 | 319537.6 | 122045.9 | 183122.1 | S |
| 70.175 | 0.0000 | 0.0000 | 83.930 | 0.08468 | 0.00000 | 319537.6 | 122048.4 | 183122.1 | S |
| 70.183 | 0.0000 | 0.0000 | 83.929 | 0.08466 | 0.00000 | 319537.6 | 122050.9 | 183122.1 | S |
| 70.192 | 0.0000 | 0.0000 | 83.929 | 0.08464 | 0.00000 | 319537.6 | 122053.5 | 183122.1 | S |
| 70.200 | 0.0000 | 0.0000 | 83.929 | 0.08462 | 0.00000 | 319537.6 | 122056.0 | 183122.1 | S |
| 70.208 | 0.0000 | 0.0000 | 83.928 | 0.08461 | 0.00000 | 319537.6 | 122058.6 | 183122.1 | S |
| 70.217 | 0.0000 | 0.0000 | 83.928 | 0.08459 | 0.00000 | 319537.6 | 122061.1 | 183122.1 | S |
| 70.225 | 0.0000 | 0.0000 | 83.928 | 0.08457 | 0.00000 | 319537.6 | 122063.6 | 183122.1 | S |
| 70.233 | 0.0000 | 0.0000 | 83.928 | 0.08455 | 0.00000 | 319537.6 | 122066.2 | 183122.1 | S |
| 70.242 | 0.0000 | 0.0000 | 83.927 | 0.08453 | 0.00000 | 319537.6 | 122068.7 | 183122.1 | S |
| 70.250 | 0.0000 | 0.0000 | 83.927 | 0.08452 | 0.00000 | 319537.6 | 122071.2 | 183122.1 | S |
| 70.258 | 0.0000 | 0.0000 | 83.927 | 0.08450 | 0.00000 | 319537.6 | 122073.8 | 183122.1 | S |
| 70.267 | 0.0000 | 0.0000 | 83.927 | 0.08448 | 0.00000 | 319537.6 | 122076.3 | 183122.1 | S |
| 70.275 | 0.0000 | 0.0000 | 83.926 | 0.08446 | 0.00000 | 319537.6 | 122078.8 | 183122.1 | S |
| 70.283 | 0.0000 | 0.0000 | 83.926 | 0.08445 | 0.00000 | 319537.6 | 122081.4 | 183122.1 | S |
| 70.292 | 0.0000 | 0.0000 | 83.926 | 0.08443 | 0.00000 | 319537.6 | 122083.9 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | Infow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infittration Rate ( $\mathrm{f}^{3 /} \mathrm{s}$ ) | Overfiow Discharge (ft³/s) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{t}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | $\begin{aligned} & \text { Flow } \\ & \text { Type } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 70.300 | 0.0000 | 0.0000 | 83.925 | 0.08441 | 0.00000 | 319537.6 | 122086.4 | 183122.1 | S |
| 70.308 | 0.0000 | 0.0000 | 83.925 | 0.08439 | 0.00000 | 319537.6 | 122089.0 | 183122.1 | S |
| 70.317 | 0.0000 | 0.0000 | 83.925 | 0.08437 | 0.00000 | 319537.6 | 122091.5 | 183122.1 | S |
| 70.325 | 0.0000 | 0.0000 | 83.925 | 0.08436 | 0.00000 | 319537.6 | 122094.0 | 183122.1 | S |
| 70.333 | 0.0000 | 0.0000 | 83.924 | 0.08434 | 0.00000 | 319537.6 | 122096.6 | 183122.1 | S |
| 70.342 | 0.0000 | 0.0000 | 83.924 | 0.08432 | 0.00000 | 319537.6 | 122099.1 | 183122.1 | S |
| 70.350 | 0.0000 | 0.0000 | 83.924 | 0.08430 | 0.00000 | 319537.6 | 122101.6 | 183122.1 | S |
| 70.358 | 0.0000 | 0.0000 | 83.923 | 0.08429 | 0.00000 | 319537.6 | 122104.2 | 183122.1 | S |
| 70.367 | 0.0000 | 0.0000 | 83.923 | 0.08427 | 0.00000 | 319537.6 | 122106.7 | 183122.1 | S |
| 70.375 | 0.0000 | 0.0000 | 83.923 | 0.08425 | 0.00000 | 319537.6 | 122109.2 | 183122.1 | S |
| 70.383 | 0.0000 | 0.0000 | 83.923 | 0.08423 | 0.00000 | 319537.6 | 122111.7 | 183122.1 | S |
| 70.392 | 0.0000 | 0.0000 | 83.922 | 0.08421 | 0.00000 | 319537.6 | 122114.3 | 183122.1 | S |
| 70.400 | 0.0000 | 0.0000 | 83.922 | 0.08420 | 0.00000 | 319537.6 | 122116.8 | 183122.1 | S |
| 70.408 | 0.0000 | 0.0000 | 83.922 | 0.08418 | 0.00000 | 319537.6 | 122119.3 | 183122.1 | S |
| 70.417 | 0.0000 | 0.0000 | 83.922 | 0.08416 | 0.00000 | 319537.6 | 122121.8 | 183122.1 | S |
| 70.425 | 0.0000 | 0.0000 | 83.921 | 0.08414 | 0.00000 | 319537.6 | 122124.4 | 183122.1 | S |
| 70.433 | 0.0000 | 0.0000 | 83.921 | 0.08413 | 0.00000 | 319537.6 | 122126.9 | 183122.1 | S |
| 70.442 | 0.0000 | 0.0000 | 83.921 | 0.08417 | 0.00000 | 319537.6 | 122129.4 | 183122.1 | S |
| 70.450 | 0.0000 | 0.0000 | 83.920 | 0.08409 | 0.00000 | 319537.6 | 122131.9 | 183122.1 | S |
| 70.458 | 0.0000 | 0.0000 | 83.920 | 0.08407 | 0.00000 | 319537.6 | 122134.5 | 183122.1 | S |
| 70.467 | 0.0000 | 0.0000 | 83.920 | 0.08406 | 0.00000 | 319537.6 | 122137.0 | 183122.1 | S |
| 70.475 | 0.0000 | 0.0000 | 83.920 | 0.08404 | 0.00000 | 319537.6 | 122139.5 | 183122.1 | S |
| 70.483 | 0.0000 | 0.0000 | 83.919 | 0.08402 | 0.00000 | 319537.6 | 122142.0 | 183122.1 | S |
| 70.492 | 0.0000 | 0.0000 | 83.919 | 0.08400 | 0.00000 | 319537.6 | 122144.5 | 183122.1 | S |
| 70.500 | 0.0000 | 0.0000 | 83.919 | 0.08398 | 0.00000 | 319537.6 | 122147.1 | 183122.1 | S |
| 70.508 | 0.0000 | 0.0000 | 83.919 | 0.08397 | 0.00000 | 319537.6 | 122149.6 | 183122.1 | S |
| 70.517 | 0.0000 | 0.0000 | 83.918 | 0.08395 | 0.00000 | 319537.6 | 122152.1 | 183122.1 | S |
| 70.525 | 0.0000 | 0.0000 | 83.918 | 0.08393 | 0.00000 | 319537.6 | 122154.6 | 183122.1 | S |
| 70.533 | 0.0000 | 0.0000 | 83.918 | 0.08391 | 0.00000 | 319537.6 | 122157.1 | 183122.1 | S |
| 70.542 | 0.0000 | 0.0000 | 83.917 | 0.08390 | 0.00000 | 319537.6 | 122159.7 | 183122.1 | S |
| 70.550 | 0.0000 | 0.0000 | 83.917 | 0.08388 | 0.00000 | 319537.6 | 122162.2 | 183122.1 | S |
| 70.558 | 0.0000 | 0.0000 | 83.917 | 0.08386 | 0.00000 | 319537.6 | 122164.7 | 183122.1 | S |
| 70.567 | 0.0000 | 0.0000 | 83.917 | 0.08384 | 0.00000 | 319537.6 | 122167.2 | 183122.1 | S |
| 70.575 | 0.0000 | 0.0000 | 83.916 | 0.08383 | 0.00000 | 319537.6 | 122169.7 | 183122.1 | S |
| 70.583 | 0.0000 | 0.0000 | 83.916 | 0.08381 | 0.00000 | 319537.6 | 122172.2 | 183122.1 | S |
| 70.592 | 0.0000 | 0.0000 | 83.916 | 0.08379 | 0.00000 | 319537.6 | 122174.8 | 183122.1 | S |
| 70.600 | 0.0000 | 0.0000 | 83.916 | 0.08377 | 0.00000 | 319537.6 | 122177.3 | 183122.1 | S |
| 70.608 | 0.0000 | 0.0000 | 83.915 | 0.08376 | 0.00000 | 319537.6 | 122179.8 | 183122.1 | S |
| 70.617 | 0.0000 | 0.0000 | 83.915 | 0.08374 | 0.00000 | 319537.6 | 122182.3 | 183122.1 | S |
| 70.625 | 0.0000 | 0.0000 | 83.915 | 0.08372 | 0.00000 | 319537.6 | 122184.8 | 183122.1 | S |
| 70.633 | 0.0000 | 0.0000 | 83.914 | 0.08370 | 0.00000 | 319537.6 | 122187.3 | 183122.1 | S |
| 70.642 | 0.0000 | 0.0000 | 83.914 | 0.08369 | 0.00000 | 319537.6 | 122189.8 | 183122.1 | S |
| 70.650 | 0.0000 | 0.0000 | 83.914 | 0.08367 | 0.00000 | 319537.6 | 122192.3 | 183122.1 | S |
| 70.658 | 0.0000 | 0.0000 | 83.914 | 0.08365 | 0.00000 | 319537.6 | 122194.8 | 183122.1 | S |
| 70.667 | 0.0000 | 0.0000 | 83.913 | 0.08363 | 0.00000 | 319537.6 | 122197.4 | 183122.1 | S |
| 70.675 | 0.0000 | 0.0000 | 83.913 | 0.08362 | 0.00000 | 319537.6 | 122199.9 | 183122.1 | S |
| 70.683 | 0.0000 | 0.0000 | 83.913 | 0.08360 | 0.00000 | 319537.6 | 122202.4 | 183122.1 | S |
| 70.692 | 0.0000 | 0.0000 | 83.913 | 0.08358 | 0.00000 | 319537.6 | 122204.9 | 183122.1 | S |
| 70.700 | 0.0000 | 0.0000 | 83.912 | 0.08356 | 0.00000 | 319537.6 | 122207.4 | 183122.1 | S |
| 70.708 | 0.0000 | 0.0000 | 83.912 | 0.08355 | 0.00000 | 319537.6 | 122209.9 | 183122.1 | S |
| 70.717 | 0.0000 | 0.0000 | 83.912 | 0.08353 | 0.00000 | 319537.6 | 122212.4 | 183122.1 | S |
| 70.725 | 0.0000 | 0.0000 | 83.911 | 0.08351 | 0.00000 | 319537.6 | 122214.9 | 183122.1 | S |
| 70.733 | 0.0000 | 0.0000 | 83.911 | 0.08349 | 0.00000 | 319537.6 | 122217.4 | 183122.1 | S |
| 70.742 | 0.0000 | 0.0000 | 83.911 | 0.08348 | 0.00000 | 319537.6 | 122219.9 | 183122.1 | S |
| 70.750 | 0.0000 | 0.0000 | 83.911 | 0.08346 | 0.00000 | 319537.6 | 122222.4 | 183122.1 | S |
| 70.758 | 0.0000 | 0.0000 | 83.910 | 0.08344 | 0.00000 | 319537.6 | 122224.9 | 183122.1 | S |
| 70.767 | 0.0000 | 0.0000 | 83.910 | 0.08342 | 0.00000 | 319537.6 | 122227.4 | 183122.1 | S |
| 70.775 | 0.0000 | 0.0000 | 83.910 | 0.08341 | 0.00000 | 319537.6 | 122229.9 | 183122.1 | S |
| 70.783 | 0.0000 | 0.0000 | 83.910 | 0.08339 | 0.00000 | 319537.6 | 122232.4 | 183122.1 | S |
| 70.792 | 0.0000 | 0.0000 | 83.909 | 0.08337 | 0.00000 | 319537.6 | 122234.9 | 183122.1 | S |
| 70.800 | 0.0000 | 0.0000 | 83.909 | 0.08335 | 0.00000 | 319537.6 | 122237.4 | 183122.1 | S |
| 70.808 | 0.0000 | 0.0000 | 83.909 | 0.08334 | 0.00000 | 319537.6 | 122239.9 | 183122.1 | S |
| 70.817 | 0.0000 | 0.0000 | 83.908 | 0.08332 | 0.00000 | 319537.6 | 122242.4 | 183122.1 | S |
| 70.825 | 0.0000 | 0.0000 | 83.908 | 0.08330 | 0.00000 | 319537.6 | 122244.9 | 183122.1 | S |
| 70.833 | 0.0000 | 0.0000 | 83.908 | 0.08329 | 0.00000 | 319537.6 | 122247.4 | 183122.1 | S |
| 70.842 | 0.0000 | 0.0000 | 83.908 | 0.08327 | 0.00000 | 319537.6 | 122249.9 | 183122.1 | S |
| 70.850 | 0.0000 | 0.0000 | 83.907 | 0.08325 | 0.00000 | 319537.6 | 122252.4 | 183122.1 | S |
| 70.858 | 0.0000 | 0.0000 | 83.907 | 0.08323 | 0.00000 | 319537.6 | 122254.9 | 183122.1 | S |
| 70.867 | 0.0000 | 0.0000 | 83.907 | 0.08322 | 0.00000 | 319537.6 | 122257.4 | 183122.1 | S |
| 70.875 | 0.0000 | 0.0000 | 83.907 | 0.08320 | 0.00000 | 319537.6 | 122259.9 | 183122.1 | S |
| 70.883 | 0.0000 | 0.0000 | 83.906 | 0.08318 | 0.00000 | 319537.6 | 122262.4 | 183122.1 | S |
| 70.892 | 0.0000 | 0.0000 | 83.906 | 0.08316 | 0.00000 | 319537.6 | 122264.9 | 183122.1 | S |
| 70.900 | 0.0000 | 0.0000 | 83.906 | 0.08315 | 0.00000 | 319537.6 | 122267.4 | 183122.1 | S |
| 70.908 | 0.0000 | 0.0000 | 83.905 | 0.08313 | 0.00000 | 319537.6 | 122269.9 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (fidday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{n}^{3 / 1 / s)}$ | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 70.917 | 0.0000 | 0.0000 | 83.905 | 0.08311 | 0.00000 | 319537.6 | 122272.4 | 183122.1 | S |
| 70.925 | 0.0000 | 0.0000 | 83.905 | 0.08309 | 0.00000 | 319537.6 | 122274.9 | 183122.1 | S |
| 70.933 | 0.0000 | 0.0000 | 83.905 | 0.08308 | 0.00000 | 319537.6 | 122277.4 | 183122.1 | S |
| 70.942 | 0.0000 | 0.0000 | 83.904 | 0.08306 | 0.00000 | 319537.6 | 122279.9 | 183122.1 | S |
| 70.950 | 0.0000 | 0.0000 | 83.904 | 0.08304 | 0.00000 | 319537.6 | 122282.4 | 183122.1 | S |
| 70.958 | 0.0000 | 0.0000 | 83.904 | 0.08303 | 0.00000 | 319537.6 | 122284.8 | 183122.1 | S |
| 70.967 | 0.0000 | 0.0000 | 83.904 | 0.08301 | 0.00000 | 319537.6 | 122287.3 | 183122.1 | S |
| 70.975 | 0.0000 | 0.0000 | 83.903 | 0.08299 | 0.00000 | 319537.6 | 122289.8 | 183122.1 | S |
| 70.983 | 0.0000 | 0.0000 | 83.903 | 0.08297 | 0.00000 | 319537.6 | 122292.3 | 183122.1 | S |
| 70.992 | 0.0000 | 0.0000 | 83.903 | 0.08296 | 0.00000 | 319537.6 | 122294.8 | 183122.1 | S |
| 71.000 | 0.0000 | 0.0000 | 83.902 | 0.08294 | 0.00000 | 319537.6 | 122297.3 | 183122.1 | S |
| 71.008 | 0.0000 | 0.0000 | 83.902 | 0.08292 | 0.00000 | 319537.6 | 122299.8 | 183122.4 | S |
| 71.017 | 0.0000 | 0.0000 | 83.902 | 0.08290 | 0.00000 | 319537.6 | 122302.3 | 183122.1 | S |
| 71.025 | 0.0000 | 0.0000 | 83.902 | 0.08289 | 0.00000 | 319537.6 | 122304.8 | 183122.1 | S |
| 71.033 | 0.0000 | 0.0000 | 83.901 | 0.08287 | 0.00000 | 319537.6 | 122307.2 | 183122.1 | S |
| 71.042 | 0.0000 | 0.0000 | 83.901 | 0.08285 | 0.00000 | 319537.6 | 122309.7 | 183122.1 | S |
| 71.050 | 0.0000 | 0.0000 | 83.901 | 0.08284 | 0.00000 | 319537.6 | 122312.2 | 183122.1 | S |
| 71.058 | 0.0000 | 0.0000 | 83.901 | 0.08282 | 0.00000 | 319537.6 | 122314.7 | 183122.1 | S |
| 71.067 | 0.0000 | 0.0000 | 83.900 | 0.08280 | 0.00000 | 319537.6 | 122317.2 | 183122.1 | S |
| 71.075 | 0.0000 | 0.0000 | 83.900 | 0.08278 | 0.00000 | 319537.6 | 122319.7 | 183122.1 | S |
| 71.083 | 0.0000 | 0.0000 | 83.900 | 0.08277 | 0.00000 | 319537.6 | 122322.1 | 183122.1 | S |
| 71.092 | 0.0000 | 0.0000 | 83.900 | 0.08275 | 0.00000 | 319537.6 | 122324.6 | 183122.1 | S |
| 71.100 | 0.0000 | 0.0000 | 83.899 | 0.08273 | 0.00000 | 319537.6 | 122327.1 | 183122.1 | S |
| 71.108 | 0.0000 | 0.0000 | 83.899 | 0.08272 | 0.00000 | 319537.6 | 122329.6 | 183122.1 | S |
| 71.117 | 0.0000 | 0.0000 | 83.899 | 0.08270 | 0.00000 | 319537.6 | 122332.1 | 183122.7 | S |
| 71.125 | 0.0000 | 0.0000 | 83.898 | 0.08268 | 0.00000 | 319537.6 | 122334.6 | 183122.1 | S |
| 71.133 | 0.0000 | 0.0000 | 83.898 | 0.08266 | 0.00000 | 319537.6 | 122337.0 | 183122.1 | S |
| 71.142 | 0.0000 | 0.0000 | 83.898 | 0.08265 | 0.00000 | 319537.6 | 122339.5 | 183122.1 | S |
| 71.150 | 0.0000 | 0.0000 | 83.898 | 0.08263 | 0.00000 | 319537.6 | 122342.0 | 183122.1 | S |
| 71.158 | 0.0000 | 0.0000 | 83.897 | 0.08261 | 0.00000 | 319537.6 | 122344.5 | 183122.1 | S |
| 71.167 | 0.0000 | 0.0000 | 83.897 | 0.08260 | 0.00000 | 319537.6 | 122347.0 | 183122.1 | S |
| 71.175 | 0.0000 | 0.0000 | 83.897 | 0.08258 | 0.00000 | 319537.6 | 122349.4 | 183122.1 | S |
| 71.183 | 0.0000 | 0.0000 | 83.897 | 0.08256 | 0.00000 | 319537.6 | 122351.9 | 183122.1 | S |
| 71.192 | 0.0000 | 0.0000 | 83.896 | 0.08254 | 0.00000 | 319537.6 | 122354.4 | 183122.1 | S |
| 71.200 | 0.0000 | 0.0000 | 83.896 | 0.08253 | 0.00000 | 319537.6 | 122356.9 | 483122.1 | S |
| 71.208 | 0.0000 | 0.0000 | 83.896 | 0.08251 | 0.00000 | 319537.6 | 122359.3 | 183122.1 | S |
| 71.217 | 0.0000 | 0.0000 | 83.895 | 0.08249 | 0.00000 | 319537.6 | 122361.8 | 183122.1 | S |
| 71.225 | 0.0000 | 0.0000 | 83.895 | 0.08248 | 0.00000 | 319537.6 | 122364.3 | 183122.1 | S |
| 71.233 | 0.0000 | 0.0000 | 83.895 | 0.08246 | 0.00000 | 319537.6 | 122366.8 | 183122.1 | S |
| 71.242 | 0.0000 | 0.0000 | 83.895 | 0.08244 | 0.00000 | 319537.6 | 122369.2 | 183122.1 | S |
| 71.250 | 0.0000 | 0.0000 | 83.894 | 0.08243 | 0.00000 | 319537.6 | 122371.7 | 183122.1 | S |
| 71.258 | 0.0000 | 0.0000 | 83.894 | 0.08241 | 0.00000 | 319537.6 | 122374.2 | 183122.1 | S |
| 71.267 | 0.0000 | 0.0000 | 83.894 | 0.08239 | 0.00000 | 319537.6 | 122376.6 | 183122.1 | S |
| 71.275 | 0.0000 | 0.0000 | 83.894 | 0.08237 | 0.00000 | 319537.6 | 122379.1 | 183122.1 | S |
| 71.283 | 0.0000 | 0.0000 | 83.893 | 0.08236 | 0.00000 | 319537.6 | 122381.6 | 183122.1 | S |
| 71.292 | 0.0000 | 0.0000 | 83.893 | 0.08234 | 0.00000 | 319537.6 | 122384.1 | 183122.1 | S |
| 71.300 | 0.0000 | 0.0000 | 83.893 | 0.08232 | 0.00000 | 319537.6 | 122386.5 | 183122.1 | S |
| 71.308 | 0.0000 | 0.0000 | 83.892 | 0.08231 | 0.00000 | 319537.6 | 122389.0 | 183122.1 | S |
| 71.317 | 0.0000 | 0.0000 | 83.892 | 0.08229 | 0.00000 | 319537.6 | 122391.5 | 183122.1 | S |
| 71.325 | 0.0000 | 0.0000 | 83.892 | 0.08227 | 0.00000 | 319537.6 | 122393.9 | 783122.1 | S |
| 71.333 | 0.0000 | 0.0000 | 83.892 | 0.08225 | 0.00000 | 319537.6 | 122396.4 | 183122.1 | S |
| 71.342 | 0.0000 | 0.0000 | 83.891 | 0.08224 | 0.00000 | 319537.6 | 122398.9 | 183122.1 | S |
| 71.350 | 0.0000 | 0.0000 | 83.891 | 0.08222 | 0.00000 | 319537.6 | 122401. 3 | 183122.1 | S |
| 71.358 | 0.0000 | 0.0000 | 83.891 | 0.08220 | 0.00000 | 319537.6 | 122403.8 | 183122.1 | 5 |
| 71.367 | 0.0000 | 0.0000 | 83.891 | 0.08219 | 0.00000 | 319537.6 | 122406.3 | 183122.1 | S |
| 71.375 | 0.0000 | 0.0000 | 83.890 | 0.08217 | 0.00000 | 319537.6 | 122408.7 | 183122.1 | 5 |
| 71.383 | 0.0000 | 0.0000 | 83.890 | 0.08215 | 0.00000 | 319537.6 | 122411.2 | 183122.1 | S |
| 71.392 | 0.0000 | 0.0000 | 83.890 | 0.08214 | 0.00000 | 319537.6 | 122413.7 | 183122.1 | 5 |
| 71.400 | 0.0000 | 0.0000 | 83.890 | 0.08212 | 0.00000 | 319537.6 | 122416.1 | 183122.1 | S |
| 71.408 | 0.0000 | 0.0000 | 83.889 | 0.08210 | 0.00000 | 319537.6 | 122418.6 | 183122.1 | S |
| 71.417 | 0.0000 | 0.0000 | 83.889 | 0.08209 | 0.00000 | 319537.6 | 122421.1 | 183122.1 | S |
| 71.425 | 0.0000 | 0.0000 | 83.889 | 0.08207 | 0.00000 | 319537.6 | 122423.5 | 183122.1 | S |
| 71.433 | 0.0000 | 0.0000 | 83.888 | 0.08205 | 0.00000 | 319537.6 | 122426.0 | 183122.1 | S |
| 71.442 | 0.0000 | 0.0000 | 83.888 | 0.08203 | 0.00000 | 319537.6 | 122428.4 | \$83122.1 | S |
| 71.450 | 0.0000 | 0.0000 | 83.888 | 0.08202 | 0.00000 | 319537.6 | 122430.9 | 183122.1 | S |
| 71.458 | 0.0000 | 0.0000 | 83.888 | 0.08200 | 0.00000 | 319537.6 | 122433.4 | 183122.1 | S |
| 71.467 | 0.0000 | 0.0000 | 83.887 | 0.08198 | 0.00000 | 319537.6 | 122435.8 | 183122.1 | S |
| 71.475 | 0.0000 | 0.0000 | 83.887 | 0.08197 | 0.00000 | 319537.6 | 122438.3 | 183122.1 | S |
| 71.483 | 0.0000 | 0.0000 | 83.887 | 0.08195 | 0.00000 | 319537.6 | 122440.7 | 183122.1 | S |
| 71.492 | 0.0000 | 0.0000 | 83.887 | 0.08193 | 0.00000 | 319537.6 | 122443.2 | 183122.1 | S |
| 71.500 | 0.0000 | 0.0000 | 83.886 | 0.08192 | 0.00000 | 319537.6 | 122445.7 | 183122.1 | S |
| 71.508 | 0.0000 | 0.0000 | 83.886 | 0.08190 | 0.00000 | 319537.6 | 122448.1 | 183122.1 | S |
| 71.517 | 0.0000 | 0.0000 | 83.886 | 0.08188 | 0.00000 | 319537.6 | 122450.6 | 183122.1 | S |
| 71.525 | 0.0000 | 0.0000 | 83.885 | 0.08187 | 0.00000 | 319537.6 | 122453.0 | 183122.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (fldday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 /} / \mathrm{s}$ ) | Overiow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $4^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 71.533 | 0.0000 | 0.0000 | 83.885 | 0.08185 | 0.00000 | 319537.6 | 122455.5 | 183122.1 | S |
| 71.542 | 0.0000 | 0.0000 | 83.885 | 0.08183 | 0.00000 | 319537.6 | 122457.9 | 183122.1 | S |
| 71.550 | 0.0000 | 0.0000 | 83.885 | 0.08182 | 0.00000 | 319537.6 | 122460.4 | 183122.1 | S |
| 71.558 | 0.0000 | 0.0000 | 83.884 | 0.08180 | 0.00000 | 319537.6 | 122462.9 | 183122.1 | S |
| 71.567 | 0.0000 | 0.0000 | 83.884 | 0.08178 | 0.00000 | 319537.6 | 122465.3 | 183122.1 | S |
| 71.575 | 0.0000 | 0.0000 | 83.884 | 0.08176 | 0.00000 | 319537.6 | 122467.8 | 183122.1 | S |
| 71.583 | 0.0000 | 0.0000 | 83.884 | 0.08175 | 0.00000 | 319537.6 | 122470.2 | 183122.1 | S |
| 71.592 | 0.0000 | 0.0000 | 83.883 | 0.08173 | 0.00000 | 319537.6 | 122472.7 | 183122.1 | S |
| 71.600 | 0.0000 | 0.0000 | 83.883 | 0.08171 | 0.00000 | 319537.6 | 122475.1 | 183122.1 | S |
| 71.608 | 0.0000 | 0.0000 | 83.883 | 0.08170 | 0.00000 | 319537.6 | 122477.6 | 183122.1 | S |
| 71.617 | 0.0000 | 0.0000 | 83.883 | 0.08168 | 0.00000 | 319537.6 | 122480.0 | 183122.1 | S |
| 71.625 | 0.0000 | 0.0000 | 83.882 | 0.08166 | 0.00000 | 319537.6 | 122482.5 | 183122.1 | S |
| 71.633 | 0.0000 | 0.0000 | 83.882 | 0.08165 | 0.00000 | 319537.6 | 122484.9 | 183122.1 | S |
| 71.642 | 0.0000 | 0.0000 | 83.882 | 0.08163 | 0.00000 | 319537.6 | 122487.4 | 183122.1 | S |
| 71.650 | 0.0000 | 0.0000 | 83.881 | 0.08161 | 0.00000 | 319537.6 | 122489.8 | 183122.1 | S |
| 71.658 | 0.0000 | 0.0000 | 83.881 | 0.08160 | 0.00000 | 319537.6 | 122492.3 | 183122.1 | S |
| 71.667 | 0.0000 | 0.0000 | 83.881 | 0.08158 | 0.00000 | 319537.6 | 122494.7 | 183122.1 | S |
| 71.675 | 0.0000 | 0.0000 | 83.881 | 0.08156 | 0.00000 | 319537.6 | 122497.2 | 183122.1 | S |
| 71.683 | 0.0000 | 0.0000 | 83.880 | 0.08155 | 0.00000 | 319537.6 | 122499.6 | 183122.1 | S |
| 71.692 | 0.0000 | 0.0000 | 83.880 | 0.08153 | 0.00000 | 319537.6 | 122502.0 | 183122.1 | S |
| 71.700 | 0.0000 | 0.0000 | 83.880 | 0.08151 | 0.00000 | 319537.6 | 122504.5 | 183122.1 | S |
| 71.708 | 0.0000 | 0.0000 | 83.880 | 0.08150 | 0.00000 | 319537.6 | 122506.9 | 183122.1 | S |
| 71.717 | 0.0000 | 0.0000 | 83.879 | 0.08148 | 0.00000 | 319537.6 | 122509.4 | 183122.1 | S |
| 71.725 | 0.0000 | 0.0000 | 83.879 | 0.08146 | 0.00000 | 319537.6 | 122511.8 | 183122.1 | S |
| 71.733 | 0.0000 | 0.0000 | 83.879 | 0.08145 | 0.00000 | 319537.6 | 122514.3 | 183122.1 | S |
| 71.742 | 0.0000 | 0.0000 | 83.879 | 0.08143 | 0.00000 | 319537.6 | 122516.7 | 183122.1 | S |
| 71.750 | 0.0000 | 0.0000 | 83.878 | 0.08141 | 0.00000 | 319537.6 | 122519.2 | 183122.1 | S |
| 71.758 | 0.0000 | 0.0000 | 83.878 | 0.08140 | 0.00000 | 319537.6 | 122521.6 | 183122.1 | S |
| 71.767 | 0.0000 | 0.0000 | 83.878 | 0.08138 | 0.00000 | 319537.6 | 122524.0 | 183122.1 | S |
| 71.775 | 0.0000 | 0.0000 | 83.877 | 0.08136 | 0.00000 | 319537.6 | 122526.5 | 183122.1 | S |
| 71.783 | 0.0000 | 0.0000 | 83.877 | 0.08135 | 0.00000 | 319537.6 | \$22528.9 | 183122.1 | S |
| 71.792 | 0.0000 | 0.0000 | 83.877 | 0.08133 | 0.00000 | 319537.6 | 122531.4 | 183122.1 | S |
| 71.800 | 0.0000 | 0.0000 | 83.877 | 0.08131 | 0.00000 | 319537.6 | 122533.8 | 183122.1 | S |
| 71.808 | 0.0000 | 0.0000 | 83.876 | 0.08130 | 0.00000 | 319537.6 | 122536.2 | 183122.1 | S |
| 71.817 | 0.0000 | 0.0000 | 83.876 | 0.08128 | 0.00000 | 319537.6 | 122538.7 | 183122.1 | S |
| 71.825 | 0.0000 | 0.0000 | 83.876 | 0.08126 | 0.00000 | 319537.6 | 122541.1 | 183122.1 | S |
| 71.833 | 0.0000 | 0.0000 | 83.876 | 0.08125 | 0.00000 | 319537.6 | 122543.6 | 183122.1 | S |
| 71.842 | 0.0000 | 0.0000 | 83.875 | 0.08123 | 0.00000 | 319537.6 | 122546.0 | 183122.1 | S |
| 71.850 | 0.0000 | 0.0000 | 83.875 | 0.08121 | 0.00000 | 319537.6 | 122548.4 | 183122.1 | S |
| 71.858 | 0.0000 | 0.0000 | 83.875 | 0.08120 | 0.00000 | 319537.6 | 122550.9 | 183122.1 | S |
| 71.867 | 0.0000 | 0.0000 | 83.875 | 0.08118 | 0.00000 | 319537.6 | 122553.3 | 183122.1 | S |
| 71.875 | 0.0000 | 0.0000 | 83.874 | 0.08116 | 0.00000 | 319537.6 | 122555.7 | 183122.1 | S |
| 71.883 | 0.0000 | 0.0000 | 83.874 | 0.08115 | 0.00000 | 319537.6 | 122558.2 | 183122.1 | S |
| 71.892 | 0.0000 | 0.0000 | 83.874 | 0.08113 | 0.00000 | 319537.6 | 122560.6 | 183122.1 | S |
| 71.900 | 0.0000 | 0.0000 | 83.873 | 0.08111 | 0.00000 | 319537.6 | 122563.0 | 183122.1 | S |
| 71.908 | 0.0000 | 0.0000 | 83.873 | 0.08110 | 0.00000 | 319537.6 | 122565.5 | 183122.1 | S |
| 71.917 | 0.0000 | 0.0000 | 83.873 | 0.08108 | 0.00000 | 319537.6 | 122567.9 | 183122.1 | S |
| 71.925 | 0.0000 | 0.0000 | 83.873 | 0.08106 | 0.00000 | 319537.6 | 122570.3 | 183122.1 | S |
| 71.933 | 0.0000 | 0.0000 | 83.872 | 0.08105 | 0.00000 | 319537.6 | 122572.8 | 183122.1 | S |
| 71.942 | 0.0000 | 0.0000 | 83.872 | 0.08103 | 0.00000 | 319537.6 | 122575.2 | 183122.1 | S |
| 71.950 | 0.0000 | 0.0000 | 83.872 | 0.08101 | 0.00000 | 319537.6 | 122577.6 | 183122.1 | S |
| 71.958 | 0.0000 | 0.0000 | 83.872 | 0.08100 | 0.00000 | 319537.6 | 122580.1 | 183122.1 | S |
| 71.967 | 0.0000 | 0.0000 | 83.871 | 0.08098 | 0.00000 | 319537.6 | 122582.5 | 183122.1 | S |
| 71.975 | 0.0000 | 0.0000 | 83.871 | 0.08096 | 0.00000 | 319537.6 | 122584.9 | 183122.1 | S |
| 71.983 | 0.0000 | 0.0000 | 83.871 | 0.08095 | 0.00000 | 319537.6 | 122587.4 | 183122.1 | S |
| 71.992 | 0.0000 | 0.0000 | 83.871 | 0.08093 | 0.00000 | 319537.6 | 122589.8 | 183122.1 | S |
| 72.000 | 0.0000 | 0.0000 | 83.870 | 0.08092 | 0.00000 | 319537.6 | 122592.2 | 183722.1 | S |
| 72.008 | 0.0000 | 0.0000 | 83.870 | 0.08090 | 0.00000 | 319537.6 | 122594.6 | 183122.1 | S |
| 72.017 | 0.0000 | 0.0000 | 83.870 | 0.08088 | 0.00000 | 319537.6 | 122597.1 | 183122.1 | S |
| 72.025 | 0.0000 | 0.0000 | 83.869 | 0.08087 | 0.00000 | 319537.6 | 122599.5 | 183122.1 | S |
| 72.033 | 0.0000 | 0.0000 | 83.869 | 0.08085 | 0.00000 | 319537.6 | 122601.9 | 183122.1 | S |
| 72.042 | 0.0000 | 0.0000 | 83.869 | 0.08083 | 0.00000 | 319537.6 | 122604.3 | 183122.1 | S |
| 72.050 | 0.0000 | 0.0000 | 83.869 | 0.08082 | 0.00000 | 319537.6 | 122606.8 | 183122.1 | S |
| 72.058 | 0.0000 | 0.0000 | 83.868 | 0.08080 | 0.00000 | 319537.6 | 122609.2 | 183122.1 | S |
| 72.067 | 0.0000 | 0.0000 | 83.868 | 0.08078 | 0.00000 | 319537.6 | 122611.6 | 183122.1 | S |
| 72.075 | 0.0000 | 0.0000 | 83.868 | 0.08077 | 0.00000 | 319537.6 | 122614.0 | 183122.1 | S |
| 72.083 | 0.0000 | 0.0000 | 83.868 | 0.08075 | 0.00000 | 319537.6 | 122616.5 | 183122.1 | S |
| 72.092 | 0.0000 | 0.0000 | 83.867 | 0.08073 | 0.00000 | 319537.6 | 122618.9 | 183122.1 | S |
| 72.100 | 0.0000 | 0.0000 | 83.867 | 0.08072 | 0.00000 | 319537.6 | 122621.3 | 183122.1 | S |
| 72.108 | 0.0000 | 0.0000 | 83.867 | 0.08070 | 0.00000 | 319537.6 | 122623.7 | 183122.1 | S |
| 72.117 | 0.0000 | 0.0000 | 83.867 | 0.08068 | 0.00000 | 319537.6 | 122626.1 | 183122.1 | S |
| 72.125 | 0.0000 | 0.0000 | 83.866 | 0.08067 | 0.00000 | 319537.6 | 122628.6 | 183122.1 | S |
| 72.133 | 0.0000 | 0.0000 | 83.866 | 0.08065 | 0.00000 | 319537.6 | 122631.0 | 183122.1 | S |
| 72.142 | 0.0000 | 0.0000 | 83.866 | 0.08064 | 0.00000 | 319537.6 | 122633.4 | 183122.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate <br> ( $\mathrm{f} 3 / \mathrm{s}$ ) | Outside Recharge (IV/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3 / 3}$ ) | Overfiow Discharge ( $\mathrm{t}^{3} / \mathrm{s}$ ) | $\begin{aligned} & \text { Cumulative } \\ & \text { Inflow } \\ & \text { Volume ( } \mathrm{f}^{3} \text { ) } \end{aligned}$ | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 72.150 | 0.0000 | 0.0000 | 83.865 | 0.08062 | 0.00000 | 319537.6 | 122635.8 | 183122.1 | S |
| 72.158 | 0.0000 | 0.0000 | 83.865 | 0.08060 | 0.00000 | 319537.6 | 122638.2 | 183122.1 | S |
| 72.167 | 0.0000 | 0.0000 | 83.865 | 0.08059 | 0.00000 | 319537.6 | 122640.7 | 183122.7 | S |
| 72.175 | 0.0000 | 0.0000 | 83.865 | 0.08057 | 0.00000 | 319537.6 | 122643.1 | 183122.1 | S |
| 72.783 | 0.0000 | 0.0000 | 83.864 | 0.08055 | 0.00000 | 319537.6 | 122645.5 | 183122.1 | S |
| 72.192 | 0.0000 | 0.0000 | 83.864 | 0.08054 | 0.00000 | 319537.6 | 122647.9 | 183122.1 | S |
| 72.200 | 0.0000 | 0.0000 | 83.864 | 0.08052 | 0.00000 | 319537.6 | 122650.3 | 183122.1 | S |
| 72.208 | 0.0000 | 0.0000 | 83.864 | 0.08050 | 0.00000 | 319537.6 | 122652.7 | 183122.1 | S |
| 72.217 | 0.0000 | 0.0000 | 83.863 | 0.08049 | 0.00000 | 319537.6 | 122655.1 | 183122.1 | S |
| 72.225 | 0.0000 | 0,0000 | 83.863 | 0.08047 | 0.00000 | 319537.6 | 122657.6 | 183122.1 | S |
| 72.233 | 0.0000 | 0.0000 | 83.863 | 0.08045 | 0.00000 | 319537.6 | 122660.0 | 183122.1 | S |
| 72.242 | 0.0000 | 0.0000 | 83.863 | 0.08044 | 0.00000 | 319537.6 | 122662.4 | 183122.1 | S |
| 72.250 | 0.0000 | 0.0000 | 83.862 | 0.08042 | 0.00000 | 319537.6 | 122664.8 | 183122.1 | 5 |
| 72.258 | 0.0000 | 0.0000 | 83.862 | 0.08041 | 0.00000 | 319537.6 | 122667.2 | 183122.1 | S |
| 72.267 | 0.0000 | 0.0000 | 83.862 | 0.08039 | 0.00000 | 319537.6 | 122669.6 | 183122.1 | S |
| 72.275 | 0.0000 | 0.0000 | 83.861 | 0.08037 | 0.00000 | 319537.6 | 122672.0 | 183122.1 | S |
| 72.283 | 0.0000 | 0.0000 | 83.861 | 0.08036 | 0.00000 | 319537.6 | 122674.5 | 183122.1 | S |
| 72.292 | 0.0000 | 0.0000 | 83.861 | 0.08034 | 0.00000 | 319537.6 | 122676.9 | 183122.1 | S |
| 72.300 | 0.0000 | 0.0000 | 83.861 | 0.08032 | 0.00000 | 319537.6 | 122679.3 | 183122.1 | S |
| 72.308 | 0.0000 | 0.0000 | 83.860 | 0.08031 | 0.00000 | 319537.6 | 122681.7 | 183122.1 | S |
| 72.317 | 0.0000 | 0.0000 | 83.860 | 0.08029 | 0.00000 | 319537.6 | 122684.1 | 183122.1 | S |
| 72.325 | 0.0000 | 0.0000 | 83.860 | 0.08028 | 0.00000 | 319537.6 | 122686.5 | 183122.1 | S |
| 72.333 | 0.0000 | 0.0000 | 83.860 | 0.08026 | 0.00000 | 319537.6 | 122688.9 | 183122.1 | S |
| 72.342 | 0.0000 | 0.0000 | 83.859 | 0.08024 | 0.00000 | 319537.6 | 122691.3 | 183122.1 | S |
| 72.350 | 0.0000 | 0.0000 | 83.859 | 0.08023 | 0.00000 | 319537.6 | 122693.7 | \$83122.1 | S |
| 72.358 | 0.0000 | 0.0000 | 83.859 | 0.08021 | 0.00000 | 319537.6 | 122696.1 | 183122.1 | S |
| 72.367 | 0.0000 | 0.0000 | 83.859 | 0.08019 | 0.00000 | 319537.6 | 122698.5 | 183122.1 | S |
| 72.375 | 0.0000 | 0.0000 | 83.858 | 0.08018 | 0.00000 | 319537.6 | 122700.9 | 183122.1 | S |
| 72.383 | 0.0000 | 0.0000 | 83.858 | 0.08016 | 0.00000 | 319537.6 | 122703.3 | 183122.1 | S |
| 72.392 | 0.0000 | 0.0000 | 83.858 | 0.08015 | 0.00000 | 319537.6 | 122705.8 | 183122.1 | S |
| 72.400 | 0.0000 | 0.0000 | 83.858 | 0.08013 | 0.00000 | 319537.6 | 122708.2 | 183122.1 | S |
| 72.408 | 0.0000 | 0.0000 | 83.857 | 0.08011 | 0.00000 | 319537.6 | 122710.6 | 183122.1 | S |
| 72.417 | 0.0000 | 0.0000 | 83.857 | 0.08010 | 0.00000 | 319537.6 | 122713.0 | 183122.1 | S |
| 72.425 | 0.0000 | 0.0000 | 83.857 | 0.08008 | 0.00000 | 319537.6 | 122715.4 | 183122.1 | S |
| 72.433 | 0.0000 | 0.0000 | 83.856 | 0.08006 | 0.00000 | 319537.6 | 122717.8 | 183122.1 | S |
| 72.442 | 0.0000 | 0.0000 | 83.856 | 0.08005 | 0.00000 | 319537.6 | 122720.2 | 183122.1 | S |
| 72.450 | 0.0000 | 0.0000 | 83.856 | 0.08003 | 0.00000 | 319537.6 | 122722.6 | 183122.1 | S |
| 72.458 | 0.0000 | 0.0000 | 83.856 | 0.08002 | 0.00000 | 319537.6 | 122725.0 | 183122.1 | S |
| 72.467 | 0.0000 | 0.0000 | 83.855 | 0.08000 | 0.00000 | 319537.6 | 122727.4 | 183122.1 | S |
| 72.475 | 0.0000 | 0.0000 | 83.855 | 0.07998 | 0.00000 | 319537.6 | 122729.8 | 183122.1 | 5 |
| 72.483 | 0.0000 | 0.0000 | 83.855 | 0.07997 | 0.00000 | 319537.6 | 122732.2 | 183122.1 | S |
| 72.492 | 0.0000 | 0.0000 | 83.855 | 0.07995 | 0.00000 | 319537.6 | 122734.6 | 183122.1 | S |
| 72.500 | 0.0000 | 0.0000 | 83.854 | 0.07993 | 0.00000 | 319537.6 | 122737.0 | $183 \pm 22.1$ | S |
| 72.508 | 0.0000 | 0.0000 | 83.854 | 0.07992 | 0.00000 | 319537.6 | 122739.4 | 183122.1 | S |
| 72.517 | 0.0000 | 0.0000 | 83.854 | 0.07990 | 0.00000 | 319537.6 | 122741.8 | 183122.1 | S |
| 72.525 | 0.0000 | 0.0000 | 83.854 | 0.07989 | 0.00000 | 319537.6 | 122744.2 | 183122.1 | S |
| 72.533 | 0.0000 | 0.0000 | 83.853 | 0.07987 | 0.00000 | 319537.6 | 122746.6 | 183122.1 | S |
| 72.542 | 0.0000 | 0.0000 | 83.853 | 0.07985 | 0.00000 | 319537.6 | 122749.0 | 183122.1 | S |
| 72.550 | 0.0000 | 0.0000 | 83.853 | 0.07984 | 0.00000 | 319537.6 | 122751.3 | 183122.1 | S |
| 72.558 | 0.0000 | 0.0000 | 83.852 | 0.07982 | 0.00000 | 319537.6 | 122753.7 | 183122.1 | S |
| 72.567 | 0.0000 | 0.0000 | 83.852 | 0.07981 | 0.00000 | 319537.6 | 122756.1 | 183122.1 | S |
| 72.575 | 0.0000 | 0.0000 | 83.852 | 0.07979 | 0.00000 | 319537.6 | 122758.5 | 183122.1 | S |
| 72.583 | 0.0000 | 0.0000 | 83.852 | 0.07977 | 0.00000 | 319537.6 | 122760.9 | 183122.4 | S |
| 72.592 | 0.0000 | 0.0000 | 83.851 | 0.07976 | 0.00000 | 319537.6 | 122763.3 | 183122.1 | S |
| 72.600 | 0.0000 | 0.0000 | 83.851 | 0.07974 | 0.00000 | 319537.6 | 122765.7 | 183122.1 | S |
| 72.608 | 0.0000 | 0.0000 | 83.851 | 0.07972 | 0.00000 | 319537.6 | 122768.1 | 183122.1 | S |
| 72.617 | 0.0000 | 0.0000 | 83.851 | 0.07971 | 0.00000 | 319537.6 | 122770.5 | 183122.1 | S |
| 72.625 | 0.0000 | 0.0000 | 83.850 | 0.07969 | 0.00000 | 319537.6 | 122772.9 | 183122.1 | S |
| 72.633 | 0.0000 | 0.0000 | 83.850 | 0.07968 | 0.00000 | 319537.6 | 122775.3 | 183722.1 | S |
| 72.642 | 0.0000 | 0.0000 | 83.850 | 0.07966 | 0.00000 | 319537.6 | 122777.7 | 183122.1 | 5 |
| 72.650 | 0.0000 | 0.0000 | 83.850 | 0.07964 | 0.00000 | 319537.6 | 122780.1 | 183122.1 | S |
| 72.658 | 0.0000 | 0.0000 | 83.849 | 0.07963 | 0.00000 | 319537.6 | 122782.4 | 183122.1 | 5 |
| 72.667 | 0.0000 | 0.0000 | 83.849 | 0.07961 | 0.00000 | 319537.6 | 122784.8 | 183122.1 | S |
| 72.675 | 0.0000 | 0.0000 | 83.849 | 0.07960 | 0.00000 | 319537.6 | 122787.2 | 183122.1 | S |
| 72.683 | 0.0000 | 0.0000 | 83.849 | 0.07958 | 0.00000 | 319537.6 | 122789.6 | 183122.1 | S |
| 72.692 | 0.0000 | 0.0000 | 83.848 | 0.07956 | 0.00000 | 319537.6 | 122792.0 | 183122.1 | S |
| 72.700 | 0.0000 | 0.0000 | 83.848 | 0.07955 | 0.00000 | 319537.6 | 122794.4 | 183122.1 | S |
| 72.708 | 0.0000 | 0.0000 | 83.848 | 0.07953 | 0.00000 | 319537.6 | 122796.8 | 183122.1 | S |
| 72.717 | 0.0000 | 0.0000 | 83.847 | 0.07952 | 0.00000 | 319537.6 | 122799.1 | 183122.1 | S |
| 72.725 | 0.0000 | 0.0000 | 83.847 | 0.07950 | 0.00000 | 319537.6 | 122801.5 | 183122.1 | S |
| 72.733 | 0.0000 | 0.0000 | 83.847 | 0.07948 | 0.00000 | 319537.6 | 122803.9 | 183122.1 | S |
| 72.742 | 0.0000 | 0.0000 | 83.847 | 0.07947 | 0.00000 | 319537.6 | 122806.3 | 183122.1 | S |
| 72.750 | 0.0000 | 0.0000 | 83.846 | 0.07945 | 0.00000 | 319537.6 | 122808.7 | 183122.1 | S |
| 72.758 | 0.0000 | 0.0000 | 83.846 | 0.07944 | 0.00000 | 319537.6 | 122811.1 | 183122.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (fidday) | Stage Elevation (ft datum) | Infittration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overfiow Discharge ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | $\begin{aligned} & \text { Flow } \\ & \text { Type } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 72.767 | 0.0000 | 0.0000 | 83.846 | 0.07942 | 0.00000 | 319537.6 | 122813.5 | 183122.1 | S |
| 72.775 | 0.0000 | 0.0000 | 83.846 | 0.07940 | 0.00000 | 319537.6 | 122815.8 | 183122.1 | S |
| 72.783 | 0.0000 | 0.0000 | 83.845 | 0.07939 | 0.00000 | 319537.6 | 122818.2 | 183122.1 | S |
| 72.792 | 0.0000 | 0.0000 | 83.845 | 0.07937 | 0.00000 | 319537.6 | 122820.6 | 183122.1 | S |
| 72.800 | 0.0000 | 0.0000 | 83.845 | 0.07936 | 0.00000 | 319537.6 | 122823.0 | 183122.1 | S |
| 72.808 | 0.0000 | 0.0000 | 83.845 | 0.07934 | 0.00000 | 319537.6 | 122825.4 | 183122.1 | S |
| 72.817 | 0.0000 | 0.0000 | 83.844 | 0.07932 | 0.00000 | 319537.6 | 122827.7 | 183122.1 | S |
| 72.825 | 0.0000 | 0.0000 | 83.844 | 0.07931 | 0.00000 | 319537.6 | 122830.1 | 183122.1 | S |
| 72.833 | 0.0000 | 0.0000 | 83.844 | 0.07929 | 0.00000 | 319537.6 | 122832.5 | 183122.1 | S |
| 72.842 | 0.0000 | 0.0000 | 83.844 | 0.07928 | 0.00000 | 319537.6 | 122834.9 | 183122.1 | S |
| 72.850 | 0.0000 | 0.0000 | 83.843 | 0.07926 | 0.00000 | 319537.6 | 122837.3 | 183122.1 | S |
| 72.858 | 0.0000 | 0.0000 | 83.843 | 0.07924 | 0.00000 | 319537.6 | 122839.6 | 183122.1 | S |
| 72.867 | 0.0000 | 0.0000 | 83.843 | 0.07923 | 0.00000 | 319537.6 | 122842.0 | 183122.1 | S |
| 72.875 | 0.0000 | 0.0000 | 83.842 | 0.07921 | 0.00000 | 319537.6 | 122844.4 | 183122.1 | S |
| 72.883 | 0.0000 | 0.0000 | 83.842 | 0.07920 | 0.00000 | 319537.6 | 122846.8 | 183122.1 | S |
| 72.892 | 0.0000 | 0.0000 | 83.842 | 0.07918 | 0.00000 | 319537.6 | 122849.1 | 183122.1 | S |
| 72.900 | 0.0000 | 0.0000 | 83.842 | 0.07916 | 0.00000 | 319537.6 | 122851.5 | 183122.1 | S |
| 72.908 | 0.0000 | 0.0000 | 83.841 | 0.07915 | 0.00000 | 319537.6 | 122853.9 | 183122.1 | S |
| 72.917 | 0.0000 | 0.0000 | 83.841 | 0.07913 | 0.00000 | 319537.6 | 122856.3 | 183122.1 | S |
| 72.925 | 0.0000 | 0.0000 | 83.841 | 0.07912 | 0.00000 | 319537.6 | 122858.6 | 183122.1 | S |
| 72.933 | 0.0000 | 0.0000 | 83.841 | 0.07910 | 0.00000 | 319537.6 | 122861.0 | 183122.1 | S |
| 72.942 | 0.0000 | 0.0000 | 83.840 | 0.07908 | 0.00000 | 319537.6 | 122863.4 | 183122.1 | S |
| 72.950 | 0.0000 | 0.0000 | 83.840 | 0.07907 | 0.00000 | 319537.6 | 122865.8 | 183122.1 | S |
| 72.958 | 0.0000 | 0.0000 | 83.840 | 0.07905 | 0.00000 | 319537.6 | 122868.1 | 183122.1 | S |
| 72.967 | 0.0000 | 0.0000 | 83.840 | 0.07904 | 0.00000 | 319537.6 | 122870.5 | 183122.1 | S |
| 72.975 | 0.0000 | 0.0000 | 83.839 | 0.07902 | 0.00000 | 319537.6 | 122872.9 | 183122.1 | S |
| 72.983 | 0.0000 | 0.0000 | 83.839 | 0.07901 | 0.00000 | 319537.6 | 122875.2 | 183122.1 | S |
| 72.992 | 0.0000 | 0.0000 | 83.839 | 0.07899 | 0.00000 | 319537.6 | 122877.6 | 183122.1 | S |
| 73.000 | 0.0000 | 0.0000 | 83.839 | 0.07897 | 0.00000 | 319537.6 | 122880.0 | 183122.1 | S |
| 73.008 | 0.0000 | 0.0000 | 83.838 | 0.07896 | 0.00000 | 319537.6 | 122882.4 | 183122.1 | S |
| 73.017 | 0.0000 | 0.0000 | 83.838 | 0.07894 | 0.00000 | 319537.6 | 122884.7 | 183122.1 | S |
| 73.025 | 0.0000 | 0.0000 | 83.838 | 0.07893 | 0.00000 | 319537.6 | 122887.1 | 183122.1 | S |
| 73.033 | 0.0000 | 0.0000 | 83.838 | 0.07891 | 0.00000 | 319537.6 | 122889.5 | 183122.1 | S |
| 73.042 | 0.0000 | 0.0000 | 83.837 | 0.07889 | 0.00000 | 319537.6 | 122891.8 | 183122.1 | S |
| 73.050 | 0.0000 | 0.0000 | 83.837 | 0.07888 | 0.00000 | 319537.6 | 122894.2 | 183122.1 | S |
| 73.058 | 0.0000 | 0.0000 | 83.837 | 0.07886 | 0.00000 | 319537.6 | 122896.6 | 183122.1 | S |
| 73.067 | 0.0000 | 0.0000 | 83.836 | 0.07885 | 0.00000 | 319537.6 | 122898.9 | 183122.1 | S |
| 73.075 | 0.0000 | 0.0000 | 83.836 | 0.07883 | 0.00000 | 319537.6 | 122901.3 | 183122.1 | S |
| 73.083 | 0.0000 | 0.0000 | 83.836 | 0.07882 | 0.00000 | 319537.6 | 122903.6 | 183122.1 | S |
| 73.092 | 0.0000 | 0.0000 | 83.836 | 0.07880 | 0.00000 | 319537.6 | 122906.0 | 183122.1 | S |
| 73.100 | 0.0000 | 0.0000 | 83.835 | 0.07878 | 0.00000 | 319537.6 | 122908.4 | 183122.1 | S |
| 73.108 | 0.0000 | 0.0000 | 83.835 | 0.07877 | 0.00000 | 319537.6 | 122910.7 | 183122.1 | S |
| 73.117 | 0.0000 | 0.0000 | 83.835 | 0.07875 | 0.00000 | 319537.6 | 122913.1 | 183122.1 | S |
| 73.125 | 0.0000 | 0.0000 | 83.835 | 0.07874 | 0.00000 | 319537.6 | 122915.5 | 183122.1 | S |
| 73.133 | 0.0000 | 0.0000 | 83.834 | 0.07872 | 0.00000 | 319537.6 | 122917.8 | 183122.1 | S |
| 73.142 | 0.0000 | 0.0000 | 83.834 | 0.07870 | 0.00000 | 319537.6 | 122920.2 | 183122.1 | S |
| 73.150 | 0.0000 | 0.0000 | 83.834 | 0.07869 | 0.00000 | 319537.6 | 122922.5 | 183122.1 | S |
| 73.158 | 0.0000 | 0.0000 | 83.834 | 0.07867 | 0.00000 | 319537.6 | 122924.9 | 183122.1 | S |
| 73.167 | 0.0000 | 0.0000 | 83.833 | 0.07866 | 0.00000 | 319537.6 | 122927.3 | 183122.1 | S |
| 73.175 | 0.0000 | 0.0000 | 83.833 | 0.07864 | 0.00000 | 319537.6 | 122929.6 | 183122.1 | S |
| 73.183 | 0.0000 | 0.0000 | 83.833 | 0.07863 | 0.00000 | 319537.6 | 122932.0 | 183122.1 | S |
| 73.192 | 0.0000 | 0.0000 | 83.833 | 0.07861 | 0.00000 | 319537.6 | 122934.3 | 183122.1 | S |
| 73.200 | 0.0000 | 0.0000 | 83.832 | 0.07859 | 0.00000 | 319537.6 | 122936.7 | 183122.1 | S |
| 73.208 | 0.0000 | 0.0000 | 83.832 | 0.07858 | 0.00000 | 319537.6 | 122939.1 | 183122.1 | S |
| 73.217 | 0.0000 | 0.0000 | 83.832 | 0.07856 | 0.00000 | 319537.6 | 122941.4 | 183122.1 | S |
| 73.225 | 0.0000 | 0.0000 | 83.832 | 0.07855 | 0.00000 | 319537.6 | 122943.8 | 183122.1 | S |
| 73.233 | 0.0000 | 0.0000 | 83.831 | 0.07853 | 0.00000 | 319537.6 | 122946.1 | 183122.1 | S |
| 73.242 | 0.0000 | 0.0000 | 83.831 | 0.07852 | 0.00000 | 319537.6 | 122948.5 | 183122.1 | S |
| 73.250 | 0.0000 | 0.0000 | 83.831 | 0.07850 | 0.00000 | 319537.6 | 122950.8 | 183122.1 | S |
| 73.258 | 0.0000 | 0.0000 | 83.830 | 0.07848 | 0.00000 | 319537.6 | 122953.2 | 183122.1 | S |
| 73.267 | 0.0000 | 0.0000 | 83.830 | 0.07847 | 0.00000 | 319537.6 | 122955.6 | 183122.1 | S |
| 73.275 | 0.0000 | 0.0000 | 83.830 | 0.07845 | 0.00000 | 319537.6 | 122957.9 | 183122.1 | S |
| 73.283 | 0.0000 | 0.0000 | 83.830 | 0.07844 | 0.00000 | 319537.6 | 122960.3 | 183122.1 | S |
| 73.292 | 0.0000 | 0.0000 | 83.829 | 0.07842 | 0.00000 | 319537.6 | 122962.6 | 183122.1 | S |
| 73.300 | 0.0000 | 0.0000 | 83.829 | 0.07841 | 0.00000 | 319537.6 | 122965.0 | 183122.1 | S |
| 73.308 | 0.0000 | 0.0000 | 83.829 | 0.07839 | 0.00000 | 319537.6 | 122967.3 | 183122.1 | S |
| 73.317 | 0.0000 | 0.0000 | 83.829 | 0.07837 | 0.00000 | 319537.6 | 122969.7 | 183122.1 | S |
| 73.325 | 0.0000 | 0.0000 | 83.828 | 0.07836 | 0.00000 | 319537.6 | 122972.0 | 183122.1 | S |
| 73.333 | 0.0000 | 0.0000 | 83.828 | 0.07834 | 0.00000 | 319537.6 | 122974.4 | 183122.1 | S |
| 73.342 | 0.0000 | 0.0000 | 83.828 | 0.07833 | 0.00000 | 319537.6 | 122976.7 | 183122.1 | S |
| 73.350 | 0.0000 | 0.0000 | 83.828 | 0.07831 | 0.00000 | 319537.6 | \$22979.1 | 183122.1 | S |
| 73.358 | 0.0000 | 0.0000 | 83.827 | 0.07830 | 0.00000 | 319537.6 | 122981.4 | \$83122.1 | S |
| 73.367 | 0.0000 | 0.0000 | 83.827 | 0.07828 | 0.00000 | 319537.6 | 122983.8 | 183122.1 | S |
| 73.375 | 0.0000 | 0.0000 | 83.827 | 0.07827 | 0.00000 | 319537.6 | 122986.1 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont.d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | \{nfiltration Rate (ft ${ }^{3 / \mathrm{s}}$ ) | Overfiow Discharge (f $\mathrm{H}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ff}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{H}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 73.383 | 0.0000 | 0.0000 | 83.827 | 0.07825 | 0.00000 | 319537.6 | 122988.5 | 183122.1 | S |
| 73.392 | 0.0000 | 0.0000 | 83.826 | 0.07823 | 0.00000 | 319537.6 | 122990.8 | 183122.1 | S |
| 73.400 | 0.0000 | 0.0000 | 83.826 | 0.07822 | 0.00000 | 319537.6 | 122993.2 | 183122.1 | S |
| 73.408 | 0.0000 | 0.0000 | 83.826 | 0.07820 | 0.00000 | 319537.6 | 122995.5 | 183122.1 | S |
| 73.417 | 0.0000 | 0.0000 | 83.826 | 0.07819 | 0.00000 | 319537.6 | 122997.9 | 183122.1 | S |
| 73.425 | 0.0000 | 0.0000 | 83.825 | 0.07817 | 0.00000 | 319537.6 | 123000.2 | 183122.1 | S |
| 73.433 | 0.0000 | 0.0000 | 83.825 | 0.07816 | 0.00000 | 319537.6 | \$23002.5 | 183122.1 | S |
| 73.442 | 0.0000 | 0.0000 | 83.825 | 0.07814 | 0.00000 | 319537.6 | 123004.9 | 183122.1 | S |
| 73.450 | 0.0000 | 0.0000 | 83.824 | 0.07813 | 0.00000 | 319537.6 | 123007.2 | 183122.1 | S |
| 73.458 | 0.0000 | 0.0000 | 83.824 | 0.07811 | 0.00000 | 319537.6 | 123009.6 | 183122.1 | S |
| 73.467 | 0.0000 | 0.0000 | 83.824 | 0.07809 | 0.00000 | 319537.6 | 123011.9 | 183122.1 | S |
| 73.475 | 0.0000 | 0.0000 | 83.824 | 0.07808 | 0.00000 | 319537.6 | 123014.3 | 183122.1 | S |
| 73.483 | 0.0000 | 0.0000 | 83.823 | 0.07806 | 0.00000 | 319537.6 | 123016.6 | 183122.1 | S |
| 73.492 | 0.0000 | 0.0000 | 83.823 | 0.07805 | 0.00000 | 319537.6 | 123018.9 | 183122.1 | S |
| 73.500 | 0.0000 | 0.0000 | 83.823 | 0.07803 | 0.00000 | 319537.6 | 123021.3 | 183122.1 | S |
| 73.508 | 0.0000 | 0.0000 | 83.823 | 0.07802 | 0.00000 | 319537.6 | 123023.6 | 183122.1 | S |
| 73.517 | 0.0000 | 0.0000 | 83.822 | 0.07800 | 0.00000 | 319537.6 | 123026.0 | 183122.1 | S |
| 73.525 | 0.0000 | 0.0000 | 83.822 | 0.07799 | 0.00000 | 319537.6 | 123028.3 | 183122.1 | S |
| 73.533 | 0.0000 | 0.0000 | 83.822 | 0.07797 | 0.00000 | 319537.6 | 123030.6 | 183122.1 | S |
| 73.542 | 0.0000 | 0.0000 | 83.822 | 0.07795 | 0.00000 | 319537.6 | 123033.0 | 183122.1 | S |
| 73.550 | 0.0000 | 0.0000 | 83.821 | 0.07794 | 0.00000 | 319537.6 | 123035.3 | 183122.1 | S |
| 73.558 | 0.0000 | 0.0000 | 83.821 | 0.07792 | 0.00000 | 319537.6 | 123037.7 | 183122.1 | S |
| 73.567 | 0.0000 | 0.0000 | 83.821 | 0.07791 | 0.00000 | 319537.6 | 123040.0 | 183122.1 | S |
| 73.575 | 0.0000 | 0.0000 | 83.821 | 0.07789 | 0.00000 | 319537.6 | 123042.3 | 183122.1 | S |
| 73.583 | 0.0000 | 0.0000 | 83.820 | 0.07788 | 0.00000 | 319537.6 | 123044.7 | 183122.1 | S |
| 73.592 | 0.0000 | 0.0000 | 83.820 | 0.07786 | 0.00000 | 319537.6 | 123047.0 | 183122.1 | S |
| 73.600 | 0.0000 | 0.0000 | 83.820 | 0.07785 | 0.00000 | 319537.6 | 123049,3 | 183122.1 | S |
| 73.608 | 0.0000 | 0.0000 | 83.820 | 0.07783 | 0.00000 | 319537.6 | 123051.7 | 183122.1 | S |
| 73.617 | 0.0000 | 0.0000 | 83.819 | 0.07781 | 0.00000 | 319537.6 | 123054.0 | 183122.1 | S |
| 73.625 | 0.0000 | 0.0000 | 83.819 | 0.07780 | 0.00000 | 319537.6 | 123056.3 | 183122.1 | S |
| 73.633 | 0.0000 | 0.0000 | 83.819 | 0.07778 | 0.00000 | 319537.6 | 123058.7 | 183122.1 | S |
| 73.642 | 0.0000 | 0.0000 | 83.819 | 0.07777 | 0.00000 | 319537.6 | 123061.0 | 183122.1 | S |
| 73.650 | 0.0000 | 0.0000 | 83.818 | 0.07775 | 0.00000 | 319537.6 | 123063.3 | 183122.1 | S |
| 73.658 | 0.0000 | 0.0000 | 83.818 | 0.07774 | 0.00000 | 319537.6 | \$23065.7 | 183122.1 | S |
| 73.667 | 0.0000 | 0.0000 | 83.818 | 0.07772 | 0.00000 | 319537.6 | 123068.0 | 183122.1 | S |
| 73.675 | 0.0000 | 0.0000 | 83.817 | 0.07771 | 0.00000 | 319537.6 | 123070.3 | 183122.1 | S |
| 73.683 | 0.0000 | 0.0000 | 83.817 | 0.07769 | 0.00000 | 319537.6 | 123072.7 | 183122.1 | S |
| 73.692 | 0.0000 | 0.0000 | 83.817 | 0.07768 | 0.00000 | 319537.6 | 123075.0 | 183122.1 | S |
| 73.700 | 0.0000 | 0.0000 | 83.817 | 0.07766 | 0.00000 | 319537.6 | 123077.3 | 183122.1 | S |
| 73.708 | 0.0000 | 0.0000 | 83.816 | 0.07764 | 0.00000 | 319537.6 | 123079.7 | 183122.1 | S |
| 73.717 | 0.0000 | 0.0000 | 83.816 | 0.07763 | 0.00000 | 319537.6 | 123082.0 | 183122.1 | S |
| 73.725 | 0.0000 | 0.0000 | 83.816 | 0.07761 | 0.00000 | 319537.6 | 123084.3 | 183122.1 | S |
| 73.733 | 0.0000 | 0.0000 | 83.816 | 0.07760 | 0.00000 | 319537.6 | 123086.6 | 183122.1 | S |
| 73.742 | 0.0000 | 0.0000 | 83.815 | 0.07758 | 0.00000 | 319537.6 | 123089.0 | 183122.1 | S |
| 73.750 | 0.0000 | 0.0000 | 83.815 | 0.07757 | 0.00000 | 319537.6 | 123091.3 | 183122.1 | S |
| 73.758 | 0.0000 | 0.0000 | 83.815 | 0.07755 | 0.00000 | 319537.6 | 123093.6 | 183122.1 | S |
| 73.767 | 0.0000 | 0.0000 | 83.815 | 0.07754 | 0.00000 | 319537.6 | 123096.0 | 183122.1 | S |
| 73.775 | 0.0000 | 0.0000 | 83.814 | 0.07752 | 0.00000 | 319537.6 | 123098.3 | 183122.1 | S |
| 73.783 | 0.0000 | 0.0000 | 83.814 | 0.07751 | 0.00000 | 319537.6 | 123100.6 | 183122.1 | S |
| 73.792 | 0.0000 | 0.0000 | 83.814 | 0.07749 | 0.00000 | 319537.6 | 123102.9 | 183122.1 | S |
| 73.800 | 0.0000 | 0.0000 | 83.814 | 0.07748 | 0.00000 | 319537.6 | 123105.3 | 183122.1 | S |
| 73.808 | 0.0000 | 0.0000 | 83.813 | 0.07746 | 0.00000 | 319537.6 | 123107.6 | 183122.1 | S |
| 73.817 | 0.0000 | 0.0000 | 83.813 | 0.07744 | 0.00000 | 319537.6 | 123109.9 | 183122.1 | S |
| 73.825 | 0.0000 | 0.0000 | 83.813 | 0.07743 | 0.00000 | 319537.6 | 123112.2 | 183122.1 | S |
| 73.833 | 0.0000 | 0.0000 | 83.813 | 0.07741 | 0.00000 | 319537.6 | 123114.5 | 183122.1 | S |
| 73.842 | 0.0000 | 0.0000 | 83.812 | 0.07740 | 0.00000 | 319537.6 | 123116.9 | 183122.1 | S |
| 73.850 | 0.0000 | 0.0000 | 83.812 | 0.07738 | 0.00000 | 319537.6 | 123119.2 | 183122.1 | S |
| 73.858 | 0.0000 | 0.0000 | 83.812 | 0.07737 | 0.00000 | 319537.6 | 123121.5 | 183122.1 | S |
| 73.867 | 0.0000 | 0.0000 | 83.812 | 0.07735 | 0.00000 | 319537.6 | 123123.8 | 183122.1 | S |
| 73.875 | 0.0000 | 0.0000 | 83.811 | 0.07734 | 0.00000 | 319537.6 | 123126.2 | 183122.1 | S |
| 73.883 | 0.0000 | 0.0000 | 83.811 | 0.07732 | 0.00000 | 319537.6 | 123128.5 | 183122.1 | S |
| 73.892 | 0.0000 | 0.0000 | 83.811 | 0.07731 | 0.00000 | 319537.6 | 123130.8 | 183122.1 | S |
| 73.900 | 0.0000 | 0.0000 | 83.811 | 0.07729 | 0.00000 | 319537.6 | 123133.1 | 183122.1 | S |
| 73.908 | 0.0000 | 0.0000 | 83.810 | 0.07728 | 0.00000 | 319537.6 | 123135.4 | 183122.1 | S |
| 73.917 | 0.0000 | 0.0000 | 83.810 | 0.07726 | 0.00000 | 319537.6 | 123137.8 | 183122.1 | S |
| 73.925 | 0.0000 | 0.0000 | 83.810 | 0.07725 | 0.00000 | 319537.6 | 123140.1 | 183122.1 | S |
| 73.933 | 0.0000 | 0.0000 | 83.809 | 0.07723 | 0.00000 | 319537.6 | 123142.4 | 183122.1 | S |
| 73.942 | 0.0000 | 0.0000 | 83.809 | 0.07721 | 0.00000 | 319537.6 | 123144.7 | 183122.1 | S |
| 73.950 | 0.0000 | 0.0000 | 83.809 | 0.07720 | 0.00000 | 319537.6 | 123147.0 | 183122.1 | S |
| 73.958 | 0.0000 | 0.0000 | 83.809 | 0.07718 | 0.00000 | 319537.6 | 123149.3 | 183122.1 | S |
| 73.967 | 0.0000 | 0.0000 | 83.808 | 0.07717 | 0.00000 | 319537.6 | 123151.6 | \{83122.1 | S |
| 73.975 | 0.0000 | 0.0000 | 83.808 | 0.07715 | 0.00000 | 319537.6 | 123154.0 | 183122.1 | S |
| 73.983 | 0.0000 | 0.0000 | 83.808 | 0.07714 | 0.00000 | 319537.6 | 123156.3 | 183122.1 | S |
| 73.992 | 0,0000 | 0.0000 | 83.808 | 0.07712 | 0.00000 | 319537.6 | 123158.6 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
$\because$ Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (fl datum) | Infiltration Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ff}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | $\begin{aligned} & \text { Flow } \\ & \text { Type } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 74.000 | 0.0000 | 0.0000 | 83.807 | 0.07711 | 0.00000 | 319537.6 | 123160.9 | 183122.1 | S |
| 74.008 | 0.0000 | 0.0000 | 83.807 | 0.07709 | 0.00000 | 319537.6 | 123163.2 | 183122.1 | S |
| 74.017 | 0.0000 | 0.0000 | 83.807 | 0.07708 | 0.00000 | 319537.6 | 123165.5 | 183122.1 | S |
| 74.025 | 0.0000 | 0.0000 | 83.807 | 0.07706 | 0.00000 | 319537.6 | 123167.8 | 183122.1 | S |
| 74.033 | 0.0000 | 0.0000 | 83.806 | 0.07705 | 0.00000 | 319537.6 | 123170.2 | 183122.1 | S |
| 74.042 | 0.0000 | 0.0000 | 83.806 | 0.07703 | 0.00000 | 319537.6 | 123172.5 | 183122.1 | S |
| 74.050 | 0.0000 | 0.0000 | 83.806 | 0.07702 | 0.00000 | 319537.6 | 123174.8 | 183122.1 | S |
| 74.058 | 0.0000 | 0.0000 | 83.806 | 0.07700 | 0.00000 | 319537.6 | 123177.1 | 183122.1 | S |
| 74.067 | 0.0000 | 0.0000 | 83.805 | 0.07699 | 0.00000 | 319537.6 | 123179.4 | 183122.1 | S |
| 74.075 | 0.0000 | 0.0000 | 83.805 | 0.07697 | 0.00000 | 319537.6 | 123181.7 | 183122.1 | S |
| 74.083 | 0.0000 | 0.0000 | 83.805 | 0.07696 | 0.00000 | 319537.6 | 123184.0 | 183122.4 | S |
| 74.092 | 0.0000 | 0.0000 | 83.805 | 0.07694 | 0.00000 | 319537.6 | 123186.3 | 183122.1 | S |
| 74.100 | 0.0000 | 0.0000 | 83.804 | 0.07693 | 0.00000 | 319537.6 | 123188.6 | 183122.1 | S |
| 74.108 | 0.0000 | 0.0000 | 83.804 | 0.07691 | 0.00000 | 319537.6 | 123190.9 | 183122.1 | S |
| 74.117 | 0.0000 | 0.0000 | 83.804 | 0.07690 | 0.00000 | 319537.6 | 123193.3 | 183122.1 | S |
| 74.125 | 0.0000 | 0.0000 | 83.804 | 0.07688 | 0.00000 | 319537.6 | 123195.6 | १83122.1 | S |
| 74.133 | 0.0000 | 0.0000 | 83.803 | 0.07686 | 0.00000 | 319537.6 | 123197.9 | 183122.1 | S |
| 74.142 | 0.0000 | 0.0000 | 83.803 | 0.07685 | 0.00000 | 319537.6 | 123200.2 | 183122.1 | S |
| 74.150 | 0.0000 | 0.0000 | 83.803 | 0.07683 | 0.00000 | 319537.6 | 123202.5 | 183122.1 | S |
| 74.158 | 0.0000 | 0.0000 | 83.803 | 0.07682 | 0.00000 | 319537.6 | 123204.8 | 183122.1 | S |
| 74.167 | 0.0000 | 0.0000 | 83.802 | 0.07680 | 0.00000 | 319537.6 | 123207.1 | 183122.1 | S |
| 74.175 | 0.0000 | 0.0000 | 83.802 | 0.07679 | 0.00000 | 319537.6 | 123209.4 | 183122.1 | S |
| 74.183 | 0.0000 | 0.0000 | 83.802 | 0.07677 | 0.00000 | 319537.6 | 123211.7 | 183122.1 | S |
| 74.192 | 0.0000 | 0.0000 | 83.802 | 0.07676 | 0.00000 | 319537.6 | 123214.0 | 183122.1 | S |
| 74.200 | 0.0000 | 0.0000 | 83.801 | 0.07674 | 0.00000 | 319537.6 | 123216.3 | 183122.1 | S |
| 74.208 | 0.0000 | 0.0000 | 83.801 | 0.07673 | 0.00000 | 319537.6 | 123218.6 | 183122.1 | S |
| 74.217 | 0.0000 | 0.0000 | 83.801 | 0.07671 | 0.00000 | 319537.6 | 123220.9 | \{83\{22.1 | S |
| 74.225 | 0.0000 | 0.0000 | 83.801 | 0.07670 | 0.00000 | 319537.6 | 123223.2 | 183122.1 | S |
| 74.233 | 0.0000 | 0.0000 | 83.800 | 0.07668 | 0.00000 | 319537.6 | 123225.5 | 183122.1 | S |
| 74.242 | 0.0000 | 0.0000 | 83.800 | 0.07667 | 0.00000 | 319537.6 | 123227.8 | 183122.1 | S |
| 74.250 | 0.0000 | 0.0000 | 83.800 | 0.07665 | 0.00000 | 319537.6 | 123230.1 | 183122.1 | S |
| 74.258 | 0.0000 | 0.0000 | 83.799 | 0.07664 | 0.00000 | 319537.6 | 123232.4 | 183122.1 | S |
| 74.267 | 0.0000 | 0.0000 | 83.799 | 0.07662 | 0.00000 | 319537.6 | 123234.7 | 183122.1 | S |
| 74.275 | 0.0000 | 0.0000 | 83.799 | 0.07661 | 0.00000 | 319537.6 | 123237.0 | 183122.1 | S |
| 74.283 | 0.0000 | 0.0000 | 83.799 | 0.07659 | 0.00000 | 319537.6 | 123239.3 | 183122.1 | S |
| 74.292 | 0.0000 | 0.0000 | 83.798 | 0.07658 | 0.00000 | 319537.6 | 123241.6 | 183122.1 | S |
| 74.300 | 0.0000 | 0.0000 | 83.798 | 0.07656 | 0.00000 | 319537.6 | 123243.9 | 183122.1 | S |
| 74.308 | 0.0000 | 0.0000 | 83.798 | 0.07655 | 0.00000 | 319537.6 | 123246.2 | 183122.1 | S |
| 74.317 | 0.0000 | 0.0000 | 83.798 | 0.07653 | 0.00000 | 319537.6 | 123248.5 | 183122.1 | S |
| 74.325 | 0.0000 | 0.0000 | 83.797 | 0.07652 | 0.00000 | 319537.6 | 123250.8 | 183122.1 | S |
| 74.333 | 0.0000 | 0.0000 | 83.797 | 0.07650 | 0.00000 | 319537.6 | 123253.1 | 183122.1 | S |
| 74.342 | 0.0000 | 0.0000 | 83.797 | 0.07649 | 0.00000 | 319537.6 | 123255.4 | 183122.1 | S |
| 74.350 | 0.0000 | 0.0000 | 83.797 | 0.07647 | 0.00000 | 319537.6 | 123257.7 | 183122.1 | S |
| 74.358 | 0.0000 | 0.0000 | 83.796 | 0.07646 | 0.00000 | 319537.6 | 123260.0 | 183122.1 | S |
| 74.367 | 0.0000 | 0.0000 | 83.796 | 0.07644 | 0.00000 | 319537.6 | 123262.3 | 183122.1 | S |
| 74.375 | 0.0000 | 0.0000 | 83.796 | 0.07643 | 0.00000 | 319537.6 | 123264.5 | 183122.1 | S |
| 74.383 | 0.0000 | 0.0000 | 83.796 | 0.07641 | 0.00000 | 319537.6 | 123266.8 | 183122.1 | S |
| 74.392 | 0.0000 | 0.0000 | 83.795 | 0.07640 | 0.00000 | 319537.6 | 123269.1 | 183122.1 | S |
| 74.400 | 0.0000 | 0.0000 | 83.795 | 0.07638 | 0.00000 | 319537.6 | 123271.4 | 183122.1 | S |
| 74.408 | 0.0000 | 0.0000 | 83.795 | 0.07637 | 0.00000 | 319537.6 | 123273.7 | 183122.1 | S |
| 74.417 | 0.0000 | 0.0000 | 83.795 | 0.07635 | 0.00000 | 319537.6 | 123276.0 | 183122.1 | S |
| 74.425 | 0.0000 | 0.0000 | 83.794 | 0.07634 | 0.00000 | 319537.6 | 123278.3 | 183122.1 | S |
| 74.433 | 0.0000 | 0.0000 | 83.794 | 0.07632 | 0.00000 | 319537.6 | 123280.6 | 183122.1 | S |
| 74.442 | 0.0000 | 0.0000 | 83.794 | 0.07631 | 0.00000 | 319537.6 | 123282.9 | 183122.1 | S |
| 74.450 | 0.0000 | 0.0000 | 83.794 | 0.07629 | 0.00000 | 319537.6 | 123285.2 | 183122.1 | S |
| 74.458 | 0.0000 | 0.0000 | 83.793 | 0.07628 | 0.00000 | 319537.6 | 123287.4 | 183122.1 | S |
| 74.467 | 0.0000 | 0.0000 | 83.793 | 0.07626 | 0.00000 | 319537.6 | 123289.7 | 183122.1 | S |
| 74.475 | 0.0000 | 0.0000 | 83.793 | 0.07625 | 0.00000 | 319537.6 | 123292.0 | 183122.1 | S |
| 74.483 | 0.0000 | 0.0000 | 83.793 | 0.07623 | 0.00000 | 319537.6 | 123294.3 | 183122.1 | S |
| 74.492 | 0.0000 | 0.0000 | 83.792 | 0.07622 | 0.00000 | 319537.6 | 123296.6 | 183122.1 | S |
| 74.500 | 0.0000 | 0.0000 | 83.792 | 0.07620 | 0.00000 | 319537.6 | 123298.9 | 183122.1 | S |
| 74.508 | 0.0000 | 0.0000 | 83.792 | 0.07619 | 0.00000 | 319537.6 | 123301.2 | 183122.1 | S |
| 74.517 | 0.0000 | 0.0000 | 83.792 | 0.07617 | 0.00000 | 319537.6 | 123303.5 | 183122.1 | S |
| 74.525 | 0.0000 | 0.0000 | 83.791 | 0.07616 | 0.00000 | 319537.6 | 123305.7 | 183122.1 | S |
| 74.533 | 0.0000 | 0.0000 | 83.791 | 0.07614 | 0.00000 | 319537.6 | 123308.0 | 183122.1 | S |
| 74.542 | 0.0000 | 0.0000 | 83.791 | 0.07613 | 0.00000 | 319537.6 | 123310.3 | 183122.1 | S |
| 74.550 | 0.0000 | 0.0000 | 83.791 | 0.07611 | 0.00000 | 319537.6 | 123312.6 | 183122.1 | S |
| 74.558 | 0.0000 | 0.0000 | 83.790 | 0.07610 | 0.00000 | 319537.6 | 123314.9 | 183122.1 | S |
| 74.567 | 0.0000 | 0.0000 | 83.790 | 0.07608 | 0.00000 | 319537.6 | 123317.2 | \$83122.1 | S |
| 74.575 | 0.0000 | 0.0000 | 83.790 | 0.07607 | 0.00000 | 319537.6 | 123319.4 | 183122.1 | S |
| 74.583 | 0.0000 | 0.0000 | 83.790 | 0.07605 | 0.00000 | 319537.6 | 123321.7 | 183122.1 | S |
| 74.592 | 0.0000 | 0.0000 | 83.789 | 0.07604 | 0.00000 | 319537.6 | 123324.0 | 183122.1 | S |
| 74.600 | 0.0000 | 0.0000 | 83.789 | 0.07602 | 0.00000 | 319537.6 | 123326.3 | 183122.1 | S |
| 74.608 | 0.0000 | 0.0000 | 83.789 | 0.07601 | 0.00000 | 319537.6 | 123328.6 | 183122.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{t}^{3 / \mathrm{s}}$ ) | Overfow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 74.617 | 0.0000 | 0.0000 | 83.789 | 0.07599 | 0.00000 | 319537.6 | 123330.8 | 183122.1 | S |
| 74.625 | 0.0000 | 0.0000 | 83.788 | 0.07598 | 0.00000 | 319537.6 | 123333.1 | 183122.1 | S |
| 74.633 | 0.0000 | 0.0000 | 83.788 | 0.07596 | 0.00000 | 319537.6 | 123335.4 | 183122.1 | S |
| 74.642 | 0.0000 | 0.0000 | 83.788 | 0.07595 | 0.00000 | 319537.6 | 123337.7 | 183122.1 | S |
| 74.650 | 0.0000 | 0.0000 | 83.787 | 0.07593 | 0.00000 | 319537.6 | 123340.0 | 183122.1 | S |
| 74.658 | 0.0000 | 0.0000 | 83.787 | 0.07592 | 0.00000 | 319537.6 | 123342.2 | 183122.1 | S |
| 74.667 | 0.0000 | 0.0000 | 83.787 | 0.07590 | 0.00000 | 319537.6 | 123344.5 | 183122.1 | S |
| 74.675 | 0.0000 | 0.0000 | 83.787 | 0.07589 | 0.00000 | 319537.6 | 123346.8 | 183122.1 | S |
| 74.683 | 0.0000 | 0.0000 | 83.786 | 0.07587 | 0.00000 | 319537.6 | 123349.1 | 183122.1 | S |
| 74.692 | 0.0000 | 0.0000 | 83.786 | 0.07586 | 0.00000 | 319537.6 | 123351.3 | 183122.1 | S |
| 74.700 | 0.0000 | 0.0000 | 83.786 | 0.07584 | 0.00000 | 319537.6 | 123353.6 | 183122.1 | S |
| 74.708 | 0.0000 | 0.0000 | 83.786 | 0.07583 | 0.00000 | 319537.6 | 123355.9 | 183122.1 | S |
| 74.717 | 0.0000 | 0.0000 | 83.785 | 0.07582 | 0.00000 | 319537.6 | 123358.2 | 183122.1 | S |
| 74.725 | 0.0000 | 0.0000 | 83.785 | 0.07580 | 0.00000 | 319537.6 | 123360.4 | 183122.1 | S |
| 74.733 | 0.0000 | 0.0000 | 83.785 | 0.07579 | 0.00000 | 319537.6 | 123362.7 | 183122.1 | S |
| 74.742 | 0.0000 | 0.0000 | 83.785 | 0.07577 | 0.00000 | 319537.6 | 123365.0 | 183122.1 | S |
| 74.750 | 0.0000 | 0.0000 | 83.784 | 0.07576 | 0.00000 | 319537.6 | 123367.3 | 183122.1 | S |
| 74.758 | 0.0000 | 0.0000 | 83.784 | 0.07574 | 0.00000 | 319537.6 | 123369.5 | 183122.1 | S |
| 74.767 | 0.0000 | 0.0000 | 83.784 | 0.07573 | 0.00000 | 319537.6 | 123371.8 | 183122.1 | S |
| 74.775 | 0.0000 | 0.0000 | 83.784 | 0.07571 | 0.00000 | 319537.6 | 123374.1 | 183122.1 | S |
| 74.783 | 0.0000 | 0.0000 | 83.783 | 0.07570 | 0.00000 | 319537.6 | 123376.4 | $183\{22.1$ | S |
| 74.792 | 0.0000 | 0.0000 | 83.783 | 0.07568 | 0.00000 | 319537.6 | 123378.6 | $183\{22.1$ | S |
| 74.800 | 0.0000 | 0.0000 | 83.783 | 0.07567 | 0.00000 | 319537.6 | 123380.9 | 183122.1 | S |
| 74.808 | 0.0000 | 0.0000 | 83.783 | 0.07565 | 0.00000 | 319537.6 | 123383.2 | 183122.1 | S |
| 74.817 | 0.0000 | 0.0000 | 83.782 | 0.07564 | 0.00000 | 319537.6 | 123385.4 | 183122.1 | S |
| 74.825 | 0.0000 | 0.0000 | 83.782 | 0.07562 | 0.00000 | 319537.6 | 123387.7 | 183122.1 | S |
| 74.833 | 0.0000 | 0.0000 | 83.782 | 0.07561 | 0.00000 | 319537.6 | 123390.0 | \$83122.1 | S |
| 74.842 | 0.0000 | 0.0000 | 83.782 | 0.07559 | 0.00000 | 319537.6 | 123392.2 | 183122.1 | S |
| 74.850 | 0.0000 | 0.0000 | 83.781 | 0.07558 | 0.00000 | 319537.6 | 123394.5 | 183122.1 | S |
| 74.858 | 0.0000 | 0.0000 | 83.781 | 0.07556 | 0.00000 | 319537.6 | 123396.8 | 183122.1 | S |
| 74.867 | 0.0000 | 0.0000 | 83.781 | 0.07555 | 0.00000 | 319537.6 | 123399.0 | 183122.1 | S |
| 74.875 | 0.0000 | 0.0000 | 83.781 | 0.07553 | 0.00000 | 319537.6 | 123401.3 | 183122.1 | S |
| 74.883 | 0.0000 | 0.0000 | 83.780 | 0.07552 | 0.00000 | 319537.6 | 123403.6 | 183122.1 | S |
| 74.892 | 0.0000 | 0.0000 | 83.780 | 0.07550 | 0.00000 | 319537.6 | 123405.8 | 183122.1 | S |
| 74.900 | 0.0000 | 0.0000 | 83.780 | 0.07549 | 0.00000 | 319537.6 | 123408.1 | 183122.1 | S |
| 74.908 | 0.0000 | 0.0000 | 83.780 | 0.07548 | 0.00000 | 319537.6 | 123410.4 | 183122.1 | S |
| 74.917 | 0.0000 | 0.0000 | 83.779 | 0.07546 | 0.00000 | 319537.6 | 123412.6 | 183122.1 | S |
| 74.925 | 0.0000 | 0.0000 | 83.779 | 0.07545 | 0.00000 | 319537.6 | 123414.9 | 183122.1 | S |
| 74.933 | 0.0000 | 0.0000 | 83.779 | 0.07543 | 0.00000 | 319537.6 | 123417.2 | 183122.1 | S |
| 74.942 | 0.0000 | 0.0000 | 83.779 | 0.07542 | 0.00000 | 319537.6 | 123419.4 | \$83122.1 | S |
| 74.950 | 0.0000 | 0.0000 | 83.778 | 0.07540 | 0.00000 | 319537.6 | 123421.7 | 183122.1 | S |
| 74.958 | 0.0000 | 0.0000 | 83.778 | 0.07539 | 0.00000 | 319537.6 | 123423.9 | 183122.1 | S |
| 74.967 | 0.0000 | 0.0000 | 83.778 | 0.07537 | 0.00000 | 319537.6 | 123426.2 | 183122.1 | S |
| 74.975 | 0.0000 | 0.0000 | 83.778 | 0.07536 | 0.00000 | 319537.6 | 123428.5 | 183122.1 | S |
| 74.983 | 0.0000 | 0.0000 | 83.777 | 0.07534 | 0.00000 | 319537.6 | 123430.7 | 183122.1 | S |
| 74.992 | 0.0000 | 0.0000 | 83.777 | 0.07533 | 0.00000 | 319537.6 | 123433.0 | 183122.1 | S |
| 75.000 | 0.0000 | 0.0000 | 83.777 | 0.07531 | 0.00000 | 319537.6 | 123435.2 | 183122.1 | S |
| 75.008 | 0.0000 | 0.0000 | 83.777 | 0.07530 | 0.00000 | 319537.6 | 123437.5 | 183122.1 | S |
| 75.017 | 0.0000 | 0.0000 | 83.776 | 0.07528 | 0.00000 | 319537.6 | 123439.8 | 183122.1 | S |
| 75.025 | 0.0000 | 0.0000 | 83.776 | 0.07527 | 0.00000 | 319537.6 | 123442.0 | 183122.1 | S |
| 75.033 | 0.0000 | 0.0000 | 83.776 | 0.07526 | 0.00000 | 319537.6 | 123444.3 | 183122.1 | S |
| 75.042 | 0.0000 | 0.0000 | 83.776 | 0.07524 | 0.00000 | 319537.6 | 123446.5 | \$83122.1 | S |
| 75.050 | 0.0000 | 0.0000 | 83.775 | 0.07523 | 0.00000 | 319537.6 | 123448.8 | \$83122.\} | S |
| 75.058 | 0.0000 | 0.0000 | 83.775 | 0.07521 | 0.00000 | 319537.6 | 123451.0 | 183122.1 | S |
| 75.067 | 0.0000 | 0.0000 | 83.775 | 0.07520 | 0.00000 | 319537.6 | 123453.3 | 183122.1 | S |
| 75.075 | 0.0000 | 0.0000 | 83.775 | 0.07518 | 0.00000 | 319537.6 | 123455.6 | 183122.1 | S |
| 75.083 | 0.0000 | 0.0000 | 83.774 | 0.07517 | 0.00000 | 319537.6 | 123457.8 | 183122.1 | S |
| 75.092 | 0.0000 | 0.0000 | 83.774 | 0.07515 | 0.00000 | 319537.6 | 123460.1 | 183122.1 | S |
| 75.100 | 0.0000 | 0.0000 | 83.774 | 0.07514 | 0.00000 | 319537.6 | 123462.3 | 183122.1 | S |
| 75.108 | 0.0000 | 0.0000 | 83.774 | 0.07512 | 0.00000 | 319537.6 | 123464.6 | 183122.1 | S |
| 75.117 | 0.0000 | 0.0000 | 83.773 | 0.07511 | 0.00000 | 319537.6 | 123466.8 | 183122.1 | S |
| 75.125 | 0.0000 | 0.0000 | 83.773 | 0.07509 | 0.00000 | 319537.6 | 123469.1 | 183122.1 | S |
| 75.133 | 0.0000 | 0.0000 | 83.773 | 0.07508 | 0.00000 | 319537.6 | 123471.3 | 183122.1 | S |
| 75.142 | 0.0000 | 0.0000 | 83.773 | 0.07506 | 0.00000 | 319537.6 | 123473.6 | \{83122. $\{$ | S |
| 75.150 | 0.0000 | 0.0000 | 83.772 | 0.07505 | 0.00000 | 319537.6 | 123475.8 | 183122.1 | S |
| 75.158 | 0.0000 | 0.0000 | 83.772 | 0.07504 | 0.00000 | 319537.6 | 123478.1 | 183122.1 | S |
| 75.167 | 0.0000 | 0.0000 | 83.772 | 0.07502 | 0.00000 | 319537.6 | 123480.3 | 183122.1 | S |
| 75.175 | 0.0000 | 0.0000 | 83.772 | 0.07501 | 0.00000 | 319537.6 | 123482.6 | 183122.1 | S |
| 75.183 | 0.0000 | 0.0000 | 83.771 | 0.07499 | 0.00000 | 319537.6 | 123484.8 | 183122.1 | S |
| 75.192 | 0.0000 | 0.0000 | 83.771 | 0.07498 | 0.00000 | 319537.6 | 123487.1 | 183122.1 | S |
| 75.200 | 0.0000 | 0.0000 | 83.771 | 0.07496 | 0.00000 | 319537.6 | 123489.3 | 183122.1 | S |
| 75.208 | 0.0000 | 0.0000 | 83.771 | 0.07495 | 0.00000 | 319537.6 | 123491.6 | 183122.1 | S |
| 75.217 | 0.0000 | 0.0000 | 83.770 | 0.07493 | 0.00000 | 319537.6 | 123493.8 | 183122.1 | S |
| 75.225 | 0.0000 | 0.0000 | 83.770 | 0.07492 | 0.00000 | 319537.6 | 123496.1 | 183122.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{A}^{3 / \mathrm{s}}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infittration Rate ( $\mathrm{A}^{3 / \mathrm{s}} \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | $\begin{aligned} & \text { Flow } \\ & \text { Type } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 75.233 | 0.0000 | 0.0000 | 83.770 | 0.07490 | 0.00000 | 319537.6 | 123498.3 | 183122.1 | S |
| 75.242 | 0.0000 | 0.0000 | 83.770 | 0.07489 | 0.00000 | 319537.6 | 123500.6 | 183122.1 | S |
| 75.250 | 0.0000 | 0.0000 | 83.769 | 0.07488 | 0.00000 | 319537.6 | 123502.8 | 183122.1 | S |
| 75.258 | 0.0000 | 0.0000 | 83.769 | 0.07486 | 0.00000 | 319537.6 | 123505.1 | 183122.7 | S |
| 75.267 | 0.0000 | 0.0000 | 83.769 | 0.07485 | 0.00000 | 319537.6 | 123507.3 | 183122.1 | S |
| 75.275 | 0.0000 | 0.0000 | 83.769 | 0.07483 | 0.00000 | 319537.6 | 123509.6 | 183122.1 | S |
| 75.283 | 0.0000 | 0.0000 | 83.768 | 0.07482 | 0.00000 | 319537.6 | 123511.8 | 183122.1 | S |
| 75.292 | 0.0000 | 0.0000 | 83.768 | 0.07480 | 0.00000 | 319537.6 | 123514.1 | 183122.1 | S |
| 75.300 | 0.0000 | 0.0000 | 83.768 | 0.07479 | 0.00000 | 319537.6 | 123516.3 | 183122.1 | S |
| 75.308 | 0.0000 | 0.0000 | 83.768 | 0.07477 | 0.00000 | 319537.6 | 123518.5 | 183122.1 | S |
| 75.317 | 0.0000 | 0.0000 | 83.767 | 0.07476 | 0.00000 | 319537.6 | 123520.8 | 183122.1 | S |
| 75.325 | 0.0000 | 0.0000 | 83.767 | 0.07475 | 0.00000 | 319537.6 | 123523.0 | 183122.1 | S |
| 75.333 | 0.0000 | 0.0000 | 83.767 | 0.07473 | 0.00000 | 319537.6 | 123525.3 | 183122.1 | S |
| 75.342 | 0.0000 | 0.0000 | 83.766 | 0.07472 | 0.00000 | 319537.6 | 123527.5 | 183122.1 | S |
| 75.350 | 0.0000 | 0.0000 | 83.766 | 0.07470 | 0.00000 | 319537.6 | 123529.8 | 183122.1 | S |
| 75.358 | 0.0000 | 0.0000 | 83.766 | 0.07469 | 0.00000 | 319537.6 | 123532.0 | 183122.1 | S |
| 75.367 | 0.0000 | 0.0000 | 83.766 | 0.07467 | 0.00000 | 319537.6 | 123534.2 | 183122.1 | S |
| 75.375 | 0.0000 | 0.0000 | 83.765 | 0.07466 | 0.00000 | 319537.6 | 123536.5 | 183122.1 | S |
| 75.383 | 0.0000 | 0.0000 | 83.765 | 0.07464 | 0.00000 | 319537.6 | 123538.7 | 183122.1 | S |
| 75.392 | 0.0000 | 0.0000 | 83.765 | 0.07463 | 0.00000 | 319537.6 | 123541.0 | 183122.1 | S |
| 75.400 | 0.0000 | 0.0000 | 83.765 | 0.07461 | 0.00000 | 319537.6 | 123543.2 | 183122.1 | S |
| 75.408 | 0.0000 | 0.0000 | 83.764 | 0.07460 | 0.00000 | 319537.6 | 123545.4 | 183122.1 | S |
| 75.417 | 0.0000 | 0.0000 | 83.764 | 0.07459 | 0.00000 | 319537.6 | 123547.7 | 183122.1 | S |
| 75.425 | 0.0000 | 0.0000 | 83.764 | 0.07457 | 0.00000 | 319537.6 | 123549.9 | 183122.1 | S |
| 75.433 | 0.0000 | 0.0000 | 83.764 | 0.07456 | 0.00000 | 319537.6 | 123552.1 | 183122.1 | S |
| 75.442 | 0.0000 | 0.0000 | 83.763 | 0.07454 | 0.00000 | 319537.6 | 123554.4 | 183722.1 | S |
| 75.450 | 0.0000 | 0.0000 | 83.763 | 0.07453 | 0.00000 | 319537.6 | 123556.6 | 183122.1 | S |
| 75.458 | 0.0000 | 0.0000 | 83.763 | 0.07451 | 0.00000 | 319537.6 | 123558.9 | 183122.1 | S |
| 75.467 | 0.0000 | 0.0000 | 83.763 | 0.07450 | 0.00000 | 319537.6 | 123561.1 | 183122.1 | S |
| 75.475 | 0.0000 | 0.0000 | 83.762 | 0.07448 | 0.00000 | 319537.6 | 123563.3 | 183122.1 | S |
| 75.483 | 0.0000 | 0.0000 | 83.762 | 0.07447 | 0.00000 | 319537.6 | 123565.6 | 183122.1 | S |
| 75.492 | 0.0000 | 0.0000 | 83.762 | 0.07446 | 0.00000 | 319537.6 | 123567.8 | 183122.1 | S |
| 75.500 | 0.0000 | 0.0000 | 83.762 | 0.07444 | 0.00000 | 319537.6 | 123570.0 | 183122.1 | S |
| 75.508 | 0.0000 | 0.0000 | 83.761 | 0.07443 | 0.00000 | 319537.6 | 123572.3 | 183122.1 | S |
| 75.517 | 0.0000 | 0.0000 | 83.761 | 0.07441 | 0.00000 | 319537.6 | 123574.5 | 183122.1 | S |
| 75.525 | 0.0000 | 0.0000 | 83.761 | 0.07440 | 0.00000 | 319537.6 | 123576.7 | 183122.1 | S |
| 75.533 | 0.0000 | 0.0000 | 83.761 | 0.07438 | 0.00000 | 319537.6 | 123579.0 | 183122.1 | S |
| 75.542 | 0.0000 | 0.0000 | 83.760 | 0.07437 | 0.00000 | 319537.6 | 123581.2 | 183122.1 | S |
| 75.550 | 0.0000 | 0.0000 | 83.760 | 0.07436 | 0.00000 | 319537.6 | 123583.4 | 183122.1 | S |
| 75.558 | 0.0000 | 0.0000 | 83.760 | 0.07434 | 0.00000 | 319537.6 | 123585.6 | 183122.1 | S |
| 75.567 | 0.0000 | 0.0000 | 83.760 | 0.07433 | 0.00000 | 319537.6 | 123587.9 | 183122.1 | S |
| 75.575 | 0.0000 | 0.0000 | 83.759 | 0.07431 | 0.00000 | 319537.6 | 123590.1 | 183122.1 | S |
| 75.583 | 0.0000 | 0.0000 | 83.759 | 0.07430 | 0.00000 | 319537.6 | 123592.3 | 183122.1 | S |
| 75.592 | 0.0000 | 0.0000 | 83.759 | 0.07428 | 0.00000 | 319537.6 | 123594.6 | 183122.1 | S |
| 75.600 | 0.0000 | 0.0000 | 83.759 | 0.07427 | 0.00000 | 319537.6 | 123596.8 | 183122.1 | S |
| 75.608 | 0.0000 | 0.0000 | 83.758 | 0.07425 | 0.00000 | 319537.6 | 123599.0 | 183122.1 | S |
| 75.617 | 0.0000 | 0.0000 | 83.758 | 0.07424 | 0.00000 | 319537.6 | 123601.2 | 183122.1 | S |
| 75.625 | 0.0000 | 0.0000 | 83.758 | 0.07423 | 0.00000 | 319537.6 | 123603.5 | 183122.1 | S |
| 75.633 | 0.0000 | 0.0000 | 83.758 | 0.07421 | 0.00000 | 319537.6 | 123605.7 | 183122.1 | S |
| 75.642 | 0.0000 | 0.0000 | 83.757 | 0.07420 | 0.00000 | 319537.6 | 123607.9 | 183122.1 | S |
| 75.650 | 0.0000 | 0.0000 | 83.757 | 0.07418 | 0.00000 | 319537.6 | 123610.1 | 183122.1 | S |
| 75.658 | 0.0000 | 0.0000 | 83.757 | 0.07417 | 0.00000 | 319537.6 | 123612.4 | 183122.1 | S |
| 75.667 | 0.0000 | 0.0000 | 83.757 | 0.07415 | 0.00000 | 319537.6 | 123614.6 | 183122.1 | S |
| 75.675 | 0.0000 | 0.0000 | 83.756 | 0.07414 | 0.00000 | 319537.6 | 123616.8 | 183122.1 | S |
| 75.683 | 0.0000 | 0.0000 | 83.756 | 0.07413 | 0.00000 | 319537.6 | 123619.0 | 183122.1 | S |
| 75.692 | 0.0000 | 0.0000 | 83.756 | 0.07411 | 0.00000 | 319537.6 | 123621.3 | $183\{22.1$ | S |
| 75.700 | 0.0000 | 0.0000 | 83.756 | 0.07410 | 0.00000 | 319537.6 | 123623.5 | 183122.1 | S |
| 75.708 | 0.0000 | 0.0000 | 83.755 | 0.07408 | 0.00000 | 319537.6 | 123625.7 | 183122.1 | S |
| 75.717 | 0.0000 | 0.0000 | 83.755 | 0.07407 | 0.00000 | 319537.6 | 123627.9 | 183122.1 | S |
| 75.725 | 0.0000 | 0.0000 | 83.755 | 0.07405 | 0.00000 | 319537.6 | 123630.2 | 183122.1 | S |
| 75.733 | 0.0000 | 0.0000 | 83.755 | 0.07404 | 0.00000 | 319537.6 | 123632.4 | 183122.1 | S |
| 75.742 | 0.0000 | 0.0000 | 83.754 | 0.07403 | 0.00000 | 319537.6 | 123634.6 | 183122.1 | S |
| 75.750 | 0.0000 | 0.0000 | 83.754 | 0.07401 | 0.00000 | 319537.6 | 123636.8 | 183122.1 | S |
| 75.758 | 0.0000 | 0.0000 | 83.754 | 0.07400 | 0.00000 | 319537.6 | 123639.0 | 183122.1 | S |
| 75.767 | 0.0000 | 0.0000 | 83.754 | 0.07398 | 0.00000 | 319537.6 | 123641.3 | 183122.1 | S |
| 75.775 | 0.0000 | 0.0000 | 83.753 | 0.07397 | 0.00000 | 319537.6 | 123643.5 | 183122.1 | S |
| 75.783 | 0.0000 | 0.0000 | 83.753 | 0.07395 | 0.00000 | 319537.6 | 123645.7 | 183122.1 | S |
| 75.792 | 0.0000 | 0.0000 | 83.753 | 0.07394 | 0.00000 | 319537.6 | 123647.9 | 183122.1 | S |
| 75.800 | 0.0000 | 0.0000 | 83.753 | 0.07393 | 0.00000 | 319537.6 | 123650.1 | 183122.1 | S |
| 75.808 | 0.0000 | 0.0000 | 83.752 | 0.07391 | 0.00000 | 319537.6 | 123652.4 | 183122.1 | S |
| 75.817 | 0.0000 | 0.0000 | 83.752 | 0.07390 | 0.00000 | 319537.6 | 123654.6 | 183122.1 | S |
| 75.825 | 0.0000 | 0.0000 | 83.752 | 0.07388 | 0.00000 | 319537.6 | 123656.8 | 183122.1 | S |
| 75.833 | 0.0000 | 0.0000 | 83.752 | 0.07387 | 0.00000 | 319537.6 | 123659.0 | 183122.1 | S |
| 75.842 | 0.0000 | 0.0000 | 83.751 | 0.07386 | 0.00000 | 3\}9537.6 | 123661.2 | 183122.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/overflow

| Elapsed Time (hours) | inflow Rate ( $\mathrm{fl}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow <br> Discharge ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative <br> Discharge <br> Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 75.850 | 0.0000 | 0.0000 | 83.751 | 0.07384 | 0.00000 | 319537.6 | 123663.4 | 183122.1 | S |
| 75.858 | 0.0000 | 0.0000 | 83.751 | 0.07383 | 0.00000 | 319537.6 | 123665.7 | 183122.1 | S |
| 75.867 | 0.0000 | 0.0000 | 83.751 | 0.07381 | 0.00000 | 319537.6 | 123667.9 | 183122.1 | S |
| 75.875 | 0.0000 | 0.0000 | 83.750 | 0.07380 | 0.00000 | 319537.6 | 123670.1 | 183122.1 | S |
| 75.883 | 0.0000 | 0.0000 | 83.750 | 0.07378 | 0.00000 | 319537.6 | 123672.3 | 183122.1 | S |
| 75.892 | 0.0000 | 0.0000 | 83.750 | 0.07377 | 0.00000 | 319537.6 | 123674.5 | 183122.1 | S |
| 75.900 | 0.0000 | 0.0000 | 83.750 | 0.07376 | 0.00000 | 319537.6 | 123676.7 | 183122.1 | S |
| 75.908 | 0.0000 | 0.0000 | 83.749 | 0.07374 | 0.00000 | 319537.6 | 123678.9 | 183122.1 | S |
| 75.917 | 0.0000 | 0.0000 | 83.749 | 0.07373 | 0.00000 | 319537.6 | 123681.1 | 183122.1 | S |
| 75.925 | 0.0000 | 0.0000 | 83.749 | 0.07371 | 0.00000 | 319537.6 | 123683.4 | 183122.1 | S |
| 75.933 | 0.0000 | 0.0000 | 83.749 | 0.07370 | 0.00000 | 319537.6 | 123685.6 | 183122.1 | S |
| 75.942 | 0.0000 | 0.0000 | 83.748 | 0.07368 | 0.00000 | 319537.6 | 123687.8 | 183122.1 | S |
| 75.950 | 0.0000 | 0.0000 | 83.748 | 0.07367 | 0.00000 | 319537.6 | 123690.0 | 183122.1 | S |
| 75.958 | 0.0000 | 0.0000 | 83.748 | 0.07366 | 0.00000 | 319537.6 | 123692.2 | 183122.1 | S |
| 75.967 | 0.0000 | 0.0000 | 83.748 | 0.07364 | 0.00000 | 319537.6 | 123694.4 | 183122.1 | S |
| 75.975 | 0.0000 | 0.0000 | 83.747 | 0.07363 | 0.00000 | 319537.6 | 123696.6 | 183122.1 | S |
| 75.983 | 0.0000 | 0.0000 | 83.747 | 0.07361 | 0.00000 | 319537.6 | 123698.8 | 183122.1 | S |
| 75.992 | 0.0000 | 0.0000 | 83.747 | 0.07360 | 0.00000 | 319537.6 | 123701.0 | 183122.1 | S |
| 76.000 | 0.0000 | 0.0000 | 83.747 | 0.07359 | 0.00000 | 319537.6 | 123703.2 | 183122.1 | S |
| 76.008 | 0.0000 | 0.0000 | 83.747 | 0.07357 | 0.00000 | 319537.6 | 123705.5 | 183122.1 | S |
| 76.017 | 0.0000 | 0.0000 | 83.746 | 0.07356 | 0.00000 | 319537.6 | 123707.7 | 183122.1 | S |
| 76.025 | 0.0000 | 0.0000 | 83.746 | 0.07354 | 0.00000 | 319537.6 | 123709.9 | 183122.1 | S |
| 76.033 | 0.0000 | 0.0000 | 83.746 | 0.07353 | 0.00000 | 319537.6 | 123712.1 | 183122.1 | S |
| 76.042 | 0.0000 | 0.0000 | 83.746 | 0.07352 | 0.00000 | 319537.6 | 123714.3 | 183122.1 | S |
| 76.050 | 0.0000 | 0.0000 | 83.745 | 0.07350 | 0.00000 | 319537.6 | 123716.5 | 183122.1 | S |
| 76.058 | 0.0000 | 0.0000 | 83.745 | 0.07349 | 0.00000 | 319537.6 | 123718.7 | 183122.1 | S |
| 76.067 | 0.0000 | 0.0000 | 83.745 | 0.07347 | 0.00000 | 319537.6 | 123720.9 | 183122.1 | S |
| 76.075 | 0.0000 | 0.0000 | 83.745 | 0.07346 | 0.00000 | 319537.6 | 123723.1 | 183122.1 | S |
| 76.083 | 0.0000 | 0.0000 | 83.744 | 0.07344 | 0.00000 | 319537.6 | 123725.3 | 183122.1 | S |
| 76.092 | 0.0000 | 0.0000 | 83.744 | 0.07343 | 0.00000 | 319537.6 | 123727.5 | 183122.1 | S |
| 76.100 | 0.0000 | 0.0000 | 83.744 | 0.07342 | 0.00000 | 319537.6 | 123729.7 | 183122.1 | S |
| 76.108 | 0.0000 | 0.0000 | 83.744 | 0.07340 | 0.00000 | 319537.6 | 123731.9 | 183122.1 | S |
| 76.117 | 0.0000 | 0.0000 | 83.743 | 0.07339 | 0.00000 | 319537.6 | 123734.1 | 183122.1 | S |
| 76.125 | 0.0000 | 0.0000 | 83.743 | 0.07337 | 0.00000 | 319537.6 | 123736.3 | 183122.1 | S |
| 76.133 | 0.0000 | 0.0000 | 83.743 | 0.07336 | 0.00000 | 319537.6 | 123738.5 | 183122.1 | S |
| 76.142 | 0.0000 | 0.0000 | 83.743 | 0.07335 | 0.00000 | 319537.6 | 123740.7 | 183122.1 | S |
| 76.150 | 0.0000 | 0.0000 | 83.742 | 0.07333 | 0.00000 | 319537.6 | 123742.9 | 183122.1 | S |
| 76.158 | 0.0000 | 0.0000 | 83.742 | 0.07332 | 0.00000 | 319537.6 | 123745.1 | 183122.1 | S |
| 76.167 | 0.0000 | 0.0000 | 83.742 | 0.07330 | 0.00000 | 319537.6 | 123747.3 | 183122.1 | S |
| 76.175 | 0.0000 | 0.0000 | 83.742 | 0.07329 | 0.00000 | 319537.6 | 123749.5 | \$83122.1 | S |
| 76.183 | 0.0000 | 0.0000 | 83.741 | 0.07328 | 0.00000 | 319537.6 | 123751.7 | 183122.1 | S |
| 76.192 | 0.0000 | 0.0000 | 83.741 | 0.07326 | 0.00000 | 319537.6 | 123753.9 | 183122.1 | S |
| 76.200 | 0.0000 | 0.0000 | 83.741 | 0.07325 | 0.00000 | 319537.6 | 123756.1 | 183122.1 | S |
| 76.208 | 0.0000 | 0.0000 | 83.741 | 0.07323 | 0.00000 | 319537.6 | 123758.3 | 183122.1 | S |
| 76.217 | 0.0000 | 0.0000 | 83.740 | 0.07322 | 0.00000 | 319537.6 | 123760.5 | 183122.1 | S |
| 76.225 | 0.0000 | 0.0000 | 83.740 | 0.07321 | 0.00000 | 319537.6 | 123762.7 | 183122.1 | S |
| 76.233 | 0.0000 | 0.0000 | 83.740 | 0.07319 | 0.00000 | 319537.6 | 123764.9 | 183122.1 | S |
| 76.242 | 0.0000 | 0.0000 | 83.740 | 0.07318 | 0.00000 | 319537.6 | 123767.1 | 183122.1 | S |
| 76.250 | 0.0000 | 0.0000 | 83.739 | 0.07316 | 0.00000 | 319537.6 | 123769.3 | 183122.1 | S |
| 76.258 | 0.0000 | 0.0000 | 83.739 | 0.07315 | 0.00000 | $3 \pm 9537.6$ | 123771.5 | 183122.1 | S |
| 76.267 | 0.0000 | 0.0000 | 83.739 | 0.07314 | 0.00000 | 319537.6 | 123773.7 | 183122.1 | S |
| 76.275 | 0.0000 | 0.0000 | 83.739 | 0.07312 | 0.00000 | 319537.6 | 123775.9 | 183122.1 | S |
| 76.283 | 0.0000 | 0.0000 | 83.738 | 0.07311 | 0.00000 | 319537.6 | 123778.1 | 183122.1 | S |
| 76.292 | 0.0000 | 0.0000 | 83.738 | 0.07309 | 0.00000 | 319537.6 | 123780.3 | 183122.1 | S |
| 76.300 | 0.0000 | 0.0000 | 83.738 | 0.07308 | 0.00000 | 319537.6 | 123782.4 | 183122.1 | S |
| 76.308 | 0.0000 | 0.0000 | 83.738 | 0.07307 | 0.00000 | 319537.6 | 123784.6 | 183122.1 | S |
| 76.317 | 0.0000 | 0.0000 | 83.737 | 0.07305 | 0.00000 | 319537.6 | 123786.8 | 183122.1 | S |
| 76.325 | 0.0000 | 0.0000 | 83.737 | 0.07304 | 0.00000 | 319537.6 | 123789.0 | 183122.1 | S |
| 76.333 | 0.0000 | 0.0000 | 83.737 | 0.07302 | 0.00000 | 319537.6 | 123791.2 | 183122.1 | S |
| 76.342 | 0.0000 | 0.0000 | 83.737 | 0.07301 | 0.00000 | 319537.6 | 123793.4 | 183122.1 | S |
| 76.350 | 0.0000 | 0.0000 | 83.736 | 0.07300 | 0.00000 | 319537.6 | 123795.6 | 183122.1 | S |
| 76.358 | 0.0000 | 0.0000 | 83.736 | 0.07298 | 0.00000 | 319537.6 | 123797.8 | 183122.1 | S |
| 76.367 | 0.0000 | 0.0000 | 83.736 | 0.07297 | 0.00000 | 319537.6 | 123800.0 | 183122.1 | S |
| 76.375 | 0.0000 | 0.0000 | 83.736 | 0.07295 | 0.00000 | 319537.6 | 123802.2 | 183122.1 | S |
| 76.383 | 0.0000 | 0.0000 | 83.735 | 0.07294 | 0.00000 | 319537.6 | 123804.3 | 183122.1 | S |
| 76.392 | 0.0000 | 0.0000 | 83.735 | 0.07293 | 0.00000 | 319537.6 | 123806.5 | 183122.1 | S |
| 76.400 | 0.0000 | 0.0000 | 83.735 | 0.07291 | 0.00000 | 319537.6 | 123808.7 | 183122.1 | S |
| 76.408 | 0.0000 | 0.0000 | 83.735 | 0.07290 | 0.00000 | 319537.6 | 123810.9 | 183122.1 | S |
| 76.417 | 0.0000 | 0.0000 | 83.734 | 0.07288 | 0.00000 | 319537.6 | 123813.1 | 183122.1 | S |
| 76.425 | 0.0000 | 0.0000 | 83.734 | 0.07287 | 0.00000 | 319537.6 | 123815.3 | 183122.1 | S |
| 76.433 | 0.0000 | 0.0000 | 83.734 | 0.07286 | 0.00000 | 319537.6 | 123817.5 | 183122.1 | S |
| 76.442 | 0.0000 | 0.0000 | 83.734 | 0.07284 | 0.00000 | 319537.6 | 123819.7 | 183122.1 | S |
| 76.450 | 0.0000 | 0.0000 | 83.733 | 0.07283 | 0.00000 | 319537.6 | 123821.8 | 983122.1 | S |
| 76.458 | 0.0000 | 0.0000 | 83.733 | 0.07281 | 0.00000 | 319537.6 | 123824.0 | 183122.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Infiow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (fl/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumufative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumutative Discharge Volume ( $\mathrm{fl}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 76.467 | 0.0000 | 0.0000 | 83.733 | 0.07280 | 0.00000 | 319537.6 | 123826.2 | 183122.1 | S |
| 76.475 | 0.0000 | 0.0000 | 83.733 | 0.07279 | 0.00000 | 319537.6 | 123828.4 | 183122.1 | S |
| 76.483 | 0.0000 | 0.0000 | 83.732 | 0.07277 | 0.00000 | 319537.6 | 123830.6 | 183122.1 | S |
| 76.492 | 0.0000 | 0.0000 | 83.732 | 0.07276 | 0.00000 | 319537.6 | 123832.8 | 183122.1 | S |
| 76.500 | 0.0000 | 0.0000 | 83.732 | 0.07275 | 0.00000 | 319537.6 | 123834.9 | 183722.1 | S |
| 76.508 | 0.0000 | 0.0000 | 83.732 | 0.07273 | 0.00000 | 319537.6 | 123837.1 | 183122.1 | S |
| 76.517 | 0.0000 | 0.0000 | 83.731 | 0.07272 | 0.00000 | 319537.6 | 123839.3 | 183122.1 | S |
| 76.525 | 0.0000 | 0.0000 | 83.731 | 0.07270 | 0.00000 | 319537.6 | 123841.5 | 183122.1 | S |
| 76.533 | 0.0000 | 0.0000 | 83.731 | 0.07269 | 0.00000 | 319537.6 | 123843.7 | 183122.1 | S |
| 76.542 | 0.0000 | 0.0000 | 83.731 | 0.07268 | 0.00000 | 319537.6 | 123845.8 | 183122.1 | S |
| 76.550 | 0.0000 | 0.0000 | 83.730 | 0.07266 | 0.00000 | 319537.6 | 123848.0 | 183122.1 | S |
| 76.558 | 0.0000 | 0.0000 | 83.730 | 0.07265 | 0.00000 | 319537.6 | 123850.2 | 183122.1 | S |
| 76.567 | 0.0000 | 0.0000 | 83.730 | 0.07263 | 0.00000 | 319537.6 | 123852.4 | 183122.1 | S |
| 76.575 | 0.0000 | 0.0000 | 83.730 | 0.07262 | 0.00000 | 319537.6 | 123854.6 | 183122.1 | S |
| 76.583 | 0.0000 | 0.0000 | 83.729 | 0.07261 | 0.00000 | 319537.6 | 123856.7 | 183122.1 | S |
| 76.592 | 0.0000 | 0.0000 | 83.729 | 0.07259 | 0.00000 | 319537.6 | 123858.9 | 183122.1 | S |
| 76.600 | 0.0000 | 0.0000 | 83.729 | 0.07258 | 0.00000 | 319537.6 | 123861.1 | 183122.1 | S |
| 76.608 | 0.0000 | 0.0000 | 83.729 | 0.07257 | 0.00000 | 319537.6 | 123863.3 | 183122.1 | S |
| 76.617 | 0.0000 | 0.0000 | 83.728 | 0.07255 | 0.00000 | 319537.6 | 123865.5 | 183122.1 | S |
| 76.625 | 0.0000 | 0.0000 | 83.728 | 0.07254 | 0.00000 | 319537.6 | 123867.6 | 183122.1 | S |
| 76.633 | 0.0000 | 0.0000 | 83.728 | 0.07252 | 0.00000 | 319537.6 | 123869.8 | 183122.1 | S |
| 76.642 | 0.0000 | 0.0000 | 83.728 | 0.07251 | 0.00000 | 319537.6 | 123872.0 | 183122.1 | S |
| 76.650 | 0.0000 | 0.0000 | 83.727 | 0.07250 | 0.00000 | 319537.6 | 123874.2 | 183122.1 | S |
| 76.658 | 0.0000 | 0.0000 | 83.727 | 0.07248 | 0.00000 | 319537.6 | 123876.3 | 183122.1 | S |
| 76.667 | 0.0000 | 0.0000 | 83.727 | 0.07247 | 0.00000 | 319537.6 | 123878.5 | 183122.1 | S |
| 76.675 | 0.0000 | 0.0000 | 83.727 | 0.07245 | 0.00000 | 319537.6 | 123880.7 | 183122.1 | S |
| 76.683 | 0.0000 | 0.0000 | 83.726 | 0.07244 | 0.00000 | 319537.6 | 123882.9 | 183122.1 | S |
| 76.692 | 0.0000 | 0.0000 | 83.726 | 0.07243 | 0.00000 | 319537.6 | 123885.0 | 183122.1 | S |
| 76.700 | 0.0000 | 0.0000 | 83.726 | 0.07241 | 0.00000 | 319537.6 | 123887.2 | 183122.1 | S |
| 76.708 | 0.0000 | 0.0000 | 83.726 | 0.07240 | 0.00000 | 319537.6 | 123889.4 | 183122.1 | S |
| 76.717 | 0.0000 | 0.0000 | 83.725 | 0.07239 | 0.00000 | 319537.6 | 123891.5 | 183122.1 | S |
| 76.725 | 0.0000 | 0.0000 | 83.725 | 0.07237 | 0.00000 | 319537.6 | 123893.7 | 183122.1 | S |
| 76.733 | 0.0000 | 0.0000 | 83.725 | 0.07236 | 0.00000 | 319537.6 | 123895.9 | 183122.1 | S |
| 76.742 | 0.0000 | 0.0000 | 83.725 | 0.07234 | 0.00000 | 319537.6 | 123898.1 | 183122.1 | S |
| 76.750 | 0.0000 | 0.0000 | 83.725 | 0.07233 | 0.00000 | 319537.6 | 123900.2 | 183122.1 | S |
| 76.758 | 0.0000 | 0.0000 | 83.724 | 0.07232 | 0.00000 | 319537.6 | 123902.4 | 183122.1 | S |
| 76.767 | 0.0000 | 0.0000 | 83.724 | 0.07230 | 0.00000 | 319537.6 | 123904.6 | 183122.1 | S |
| 76.775 | 0.0000 | 0.0000 | 83.724 | 0.07229 | 0.00000 | 319537.6 | 123906.7 | 183122.1 | S |
| 76.783 | 0.0000 | 0.0000 | 83.724 | 0.07228 | 0.00000 | 319537.6 | 123908.9 | 183122.1 | S |
| 76.792 | 0.0000 | 0.0000 | 83.723 | 0.07226 | 0.00000 | 319537.6 | 123911.1 | 183122.1 | S |
| 76.800 | 0.0000 | 0.0000 | 83.723 | 0.07225 | 0.00000 | 319537.6 | 123913.2 | 183122.1 | S |
| 76.808 | 0.0000 | 0.0000 | 83.723 | 0.07223 | 0.00000 | 319537.6 | 123915.4 | 183122.1 | S |
| 76.817 | 0.0000 | 0.0000 | 83.723 | 0.07222 | 0.00000 | 319537.6 | 123917.6 | 183122.1 | S |
| 76.825 | 0.0000 | 0.0000 | 83.722 | 0.07221 | 0.00000 | 319537.6 | 123919.7 | 183122.1 | S |
| 76.833 | 0.0000 | 0.0000 | 83.722 | 0.07219 | 0.00000 | 319537.6 | 123921.9 | 183122.1 | S |
| 76.842 | 0.0000 | 0.0000 | 83.722 | 0.07218 | 0.00000 | 319537.6 | 123924.1 | 183122.1 | S |
| 76.850 | 0.0000 | 0.0000 | 83.722 | 0.07217 | 0.00000 | 319537.6 | 123926.2 | 183122.1 | S |
| 76.858 | 0.0000 | 0.0000 | 83.721 | 0.07215 | 0.00000 | 319537.6 | 123928.4 | 183122.1 | S |
| 76.867 | 0.0000 | 0.0000 | 83.721 | 0.07214 | 0.00000 | 319537.6 | 123930.6 | 183122.1 | S |
| 76.875 | 0.0000 | 0.0000 | 83.721 | 0.07212 | 0.00000 | 319537.6 | 123932.7 | 183122.1 | S |
| 76.883 | 0.0000 | 0.0000 | 83.721 | 0.07211 | 0.00000 | 319537.6 | 123934.9 | 183122.1 | S |
| 76.892 | 0.0000 | 0.0000 | 83.720 | 0.07210 | 0.00000 | 319537.6 | 123937.1 | 183122.1 | S |
| 76.900 | 0.0000 | 0.0000 | 83.720 | 0.07208 | 0.00000 | 319537.6 | 123939.2 | 183122.1 | S |
| 76.908 | 0.0000 | 0.0000 | 83.720 | 0.07207 | 0.00000 | 319537.6 | 123941.4 | 183122.1 | S |
| 76.917 | 0.0000 | 0.0000 | 83.720 | 0.07206 | 0.00000 | 319537.6 | 123943.5 | 183122.1 | S |
| 76.925 | 0.0000 | 0.0000 | 83.719 | 0.07204 | 0.00000 | 319537.6 | 123945.7 | 183122.1 | S |
| 76.933 | 0.0000 | 0.0000 | 83.719 | 0.07203 | 0.00000 | 319537.6 | 123947.9 | 183122.1 | S |
| 76.942 | 0.0000 | 0.0000 | 83.719 | 0.07202 | 0.00000 | 319537.6 | 123950.0 | 183122.1 | S |
| 76.950 | 0.0000 | 0.0000 | 83.719 | 0.07200 | 0.00000 | 319537.6 | 123952.2 | 183122.1 | S |
| 76.958 | 0.0000 | 0.0000 | 83.718 | 0.07199 | 0.00000 | 319537.6 | 123954.3 | 183122.1 | S |
| 76.967 | 0.0000 | 0.0000 | 83.718 | 0.07197 | 0.00000 | 319537.6 | 123956.5 | 183122.1 | S |
| 76.975 | 0.0000 | 0.0000 | 83.718 | 0.07196 | 0.00000 | 319537.6 | 123958.7 | 183122.1 | S |
| 76.983 | 0.0000 | 0.0000 | 83.718 | 0.07195 | 0.00000 | 319537.6 | 123960.8 | 183122.1 | S |
| 76.992 | 0.0000 | 0.0000 | 83.717 | 0.07193 | 0.00000 | 319537.6 | 123963.0 | 183122.1 | S |
| 77.000 | 0.0000 | 0.0000 | 83.717 | 0.07192 | 0.00000 | 319537.6 | 123965.1 | 183122.1 | 5 |
| 77.008 | 0.0000 | 0.0000 | 83.717 | 0.07191 | 0.00000 | 319537.6 | 123967.3 | 183122.1 | S |
| 77.017 | 0.0000 | 0.0000 | 83.717 | 0.07189 | 0.00000 | 319537.6 | 123969.5 | 183122.1 | 5 |
| 77.025 | 0.0000 | 0.0000 | 83.716 | 0.07188 | 0.00000 | 319537.6 | 123971.6 | 183122.1 | S |
| 77.033 | 0.0000 | 0.0000 | 83.716 | $0.07 ¢ 87$ | 0.00000 | 319537.6 | 123973.8 | 183122.1 | S |
| 77.042 | 0.0000 | 0.0000 | 83.716 | 0.07185 | 0.00000 | 319537.6 | 123975.9 | 183122.1 | S |
| 77.050 | 0.0000 | 0.0000 | 83.716 | 0.07184 | 0.00000 | 319537.6 | 123978.1 | 183122.1 | S |
| 77.058 | 0.0000 | 0.0000 | 83.715 | 0.07182 | 0.00000 | 319537.6 | 123980.2 | 183122.1 | 5 |
| 77.067 | 0.0000 | 0.0000 | 83.715 | 0.07181 | 0.00000 | 319537.6 | 123982.4 | 183122.1 | 5 |
| 77.075 | 0.0000 | 0.0000 | 83.715 | 0.07180 | 0.00000 | 319537.6 | 123984.5 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) $::$ Scenario $1::$ pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation ( t datum) | Infiltration Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{t}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 77.083 | 0.0000 | 0.0000 | 83.715 | 0.07178 | 0.00000 | 319537.6 | 123986.7 | 183122.3 | S |
| 77.092 | 0.0000 | 0.0000 | 83.714 | 0.07177 | 0.00000 | 319537.6 | 123988.8 | 183122.1 | S |
| 77.100 | 0.0000 | 0.0000 | 83.714 | 0.07176 | 0.00000 | 319537.6 | 123991.0 | 183122.1 | S |
| 77.108 | 0.0000 | 0.0000 | 83.714 | 0.07174 | 0.00000 | 319537.6 | 123993.1 | 183122.1 | S |
| 77.117 | 0.0000 | 0.0000 | 83.714 | 0.07173 | 0.00000 | 319537.6 | 123995.3 | 183122.1 | S |
| 77.125 | 0.0000 | 0.0000 | 83.713 | 0.07172 | 0.00000 | 319537.6 | 123997.5 | 183122.1 | S |
| 77.133 | 0.0000 | 0.0000 | 83.713 | 0.07170 | 0.00000 | 319537.6 | 123999.6 | 183122.1 | S |
| 77.142 | 0.0000 | 0.0000 | 83.713 | 0.07169 | 0.00000 | 319537.6 | 124001.8 | 183122.1 | S |
| 77.150 | 0.0000 | 0.0000 | 83.713 | 0.07168 | 0.00000 | 319537.6 | 124003.9 | 183122.1 | S |
| 77.158 | 0.0000 | 0.0000 | 83.713 | 0.07166 | 0.00000 | 319537.6 | 124006.1 | 183122.1 | S |
| 77.167 | 0.0000 | 0.0000 | 83.712 | 0.07165 | 0.00000 | 319537.6 | 124008.2 | 183122.1 | S |
| 77.175 | 0.0000 | 0.0000 | 83.712 | 0.07163 | 0.00000 | 319537.6 | 124010.4 | 183122.1 | S |
| 77.183 | 0.0000 | 0.0000 | 83.712 | 0.07162 | 0.00000 | 319537.6 | 124012.5 | 183122.1 | S |
| 77.192 | 0.0000 | 0.0000 | 83.712 | 0.07161 | 0.00000 | 319537.6 | 124014.7 | 183122.1 | S |
| 77.200 | 0.0000 | 0.0000 | 83.711 | 0.07159 | 0.00000 | 319537.6 | 124016.8 | 183122.1 | S |
| 77.208 | 0.0000 | 0.0000 | 83.711 | 0.07158 | 0.00000 | 319537.6 | 124018.9 | 183122.1 | S |
| 77.217 | 0.0000 | 0.0000 | 83.711 | 0.07157 | 0.00000 | 319537.6 | 124021.1 | $183\{22.1$ | S |
| 77.225 | 0.0000 | 0.0000 | 83.711 | 0.07155 | 0.00000 | 319537.6 | 124023.2 | 183122.1 | S |
| 77.233 | 0.0000 | 0.0000 | 83.710 | 0.07154 | 0.00000 | 319537.6 | 124025.4 | 183122.1 | S |
| 77.242 | 0.0000 | 0.0000 | 83.710 | 0.07153 | 0.00000 | 319537.6 | 124027.5 | 183122.1 | S |
| 77.250 | 0.0000 | 0.0000 | 83.710 | 0.07151 | 0.00000 | 319537.6 | 124029.7 | 183122.1 | S |
| 77.258 | 0.0000 | 0.0000 | 83.710 | 0.07150 | 0.00000 | 319537.6 | 124031.8 | 183122.1 | S |
| 77.267 | 0.0000 | 0.0000 | 83.709 | 0.07149 | 0.00000 | 319537.6 | 124034.0 | 183122.1 | S |
| 77.275 | 0.0000 | 0.0000 | 83.709 | 0.07147 | 0.00000 | 319537.6 | 124036.1 | 183122.1 | S |
| 77.283 | 0.0000 | 0.0000 | 83.709 | 0.07146 | 0.00000 | 319537.6 | 124038.3 | 183122.1 | S |
| 77.292 | 0.0000 | 0.0000 | 83.709 | 0.07145 | 0.00000 | 319537.6 | 124040.4 | 183122.1 | S |
| 77.300 | 0.0000 | 0.0000 | 83.708 | 0.07143 | 0.00000 | 319537.6 | 124042.5 | 183122.1 | S |
| 77.308 | 0.0000 | 0.0000 | 83.708 | 0.07142 | 0.00000 | 319537.6 | 124044.7 | 183122.1 | S |
| 77.317 | 0.0000 | 0.0000 | 83.708 | 0.07140 | 0.00000 | 319537.6 | 124046.8 | 183122.1 | S |
| 77.325 | 0.0000 | 0.0000 | 83.708 | 0.07139 | 0.00000 | 319537.6 | 124049.0 | 183122.1 | S |
| 77.333 | 0.0000 | 0.0000 | 83.707 | 0.07138 | 0.00000 | 319537.6 | 124051.1 | 183122.1 | S |
| 77.342 | 0.0000 | 0.0000 | 83.707 | 0.07136 | 0.00000 | 319537.6 | 124053.3 | 183122.1 | S |
| 77.350 | 0.0000 | 0.0000 | 83.707 | 0.07135 | 0.00000 | 319537.6 | 124055.4 | 183122.1 | S |
| 77.358 | 0.0000 | 0.0000 | 83.707 | 0.07134 | 0.00000 | 319537.6 | 124057.5 | 183122.1 | S |
| 77.367 | 0.0000 | 0.0000 | 83.706 | 0.07132 | 0.00000 | 319537.6 | 124059.7 | 183122.1 | S |
| 77.375 | 0.0000 | 0.0000 | 83.706 | 0.07131 | 0.00000 | 319537.6 | 124061.8 | 183122.1 | S |
| 77.383 | 0.0000 | 0.0000 | 83.706 | 0.07130 | 0.00000 | 319537.6 | 124064.0 | 183122.1 | S |
| 77.392 | 0.0000 | 0.0000 | 83.706 | 0.07128 | 0.00000 | 319537.6 | 124066.1 | 183122.1 | S |
| 77.400 | 0.0000 | 0.0000 | 83.705 | 0.07127 | 0.00000 | 319537.6 | 124068.2 | 183122.1 | S |
| 77.408 | 0.0000 | 0.0000 | 83.705 | 0.07126 | 0.00000 | 319537.6 | 124070.4 | 183122.1 | S |
| 77.417 | 0.0000 | 0.0000 | 83.705 | 0.07124 | 0.00000 | 319537.6 | 124072.5 | 183122.1 | S |
| 77.425 | 0.0000 | 0.0000 | 83.705 | 0.07123 | 0.00000 | 319537.6 | 124074.6 | 183122.1 | S |
| 77.433 | 0.0000 | 0.0000 | 83.704 | 0.07122 | 0.00000 | 319537.6 | 124076.8 | 183122.1 | S |
| 77.442 | 0.0000 | 0.0000 | 83.704 | 0.07120 | 0.00000 | 319537.6 | 124078.9 | 183122.1 | S |
| 77.450 | 0.0000 | 0.0000 | 83.704 | 0.07119 | 0.00000 | 319537.6 | 124081.1 | 183122.1 | S |
| 77.458 | 0.0000 | 0.0000 | 83.704 | 0.07118 | 0.00000 | 319537.6 | 124083.2 | 183122.1 | S |
| 77.467 | 0.0000 | 0.0000 | 83.704 | 0.07116 | 0.00000 | 319537.6 | 124085.3 | 183122.1 | S |
| 77.475 | 0.0000 | 0.0000 | 83.703 | 0.07115 | 0.00000 | 319537.6 | 124087.5 | 183122.1 | S |
| 77.483 | 0.0000 | 0.0000 | 83.703 | 0.07114 | 0.00000 | 319537.6 | 124089.6 | 183122.1 | S |
| 77.492 | 0.0000 | 0.0000 | 83.703 | 0.07112 | 0.00000 | 319537.6 | 124091.7 | 183122.1 | S |
| 77.500 | 0.0000 | 0.0000 | 83.703 | 0.07111 | 0.00000 | 319537.6 | 124093.9 | 183122.1 | S |
| 77.508 | 0.0000 | 0.0000 | 83.702 | 0.07110 | 0.00000 | 319537.6 | 124096.0 | 183122.1 | S |
| 77.517 | 0.0000 | 0.0000 | 83.702 | 0.07108 | 0.00000 | 319537.6 | 124098.1 | 183122.1 | S |
| 77.525 | 0.0000 | 0.0000 | 83.702 | 0.07107 | 0.00000 | 319537.6 | 124100.3 | 183122.1 | S |
| 77.533 | 0.0000 | 0.0000 | 83.702 | 0.07106 | 0.00000 | 319537.6 | 124102.4 | 183122.1 | S |
| 77.542 | 0.0000 | 0.0000 | 83.701 | 0.07104 | 0.00000 | 319537.6 | 124104.5 | 183122.1 | S |
| 77.550 | 0.0000 | 0.0000 | 83.701 | 0.07103 | 0.00000 | 319537.6 | 124106.7 | 183122.1 | S |
| 77.558 | 0.0000 | 0.0000 | 83.701 | 0.07102 | 0.00000 | 319537.6 | 124108.8 | 183122.1 | S |
| 77.567 | 0.0000 | 0.0000 | 83.701 | 0.07100 | 0.00000 | 319537.6 | 124110.9 | 183122.1 | S |
| 77.575 | 0.0000 | 0.0000 | 83.700 | 0.07099 | 0.00000 | 319537.6 | 124113.0 | 183122.1 | S |
| 77.583 | 0.0000 | 0.0000 | 83.700 | 0.07098 | 0.00000 | 319537.6 | 124115.2 | 183122.1 | S |
| 77.592 | 0.0000 | 0.0000 | 83.700 | 0.07096 | 0.00000 | 319537.6 | 124117.3 | 183122.1 | S |
| 77.600 | 0.0000 | 0.0000 | 83.700 | 0.07095 | 0.00000 | 319537.6 | 124119.4 | 183122.1 | S |
| 77.608 | 0.0000 | 0.0000 | 83.699 | 0.07094 | 0.00000 | 319537.6 | 124121.6 | 183122.1 | S |
| 77.617 | 0.0000 | 0.0000 | 83.699 | 0.07092 | 0.00000 | 319537.6 | 124123.7 | 183122.1 | S |
| 77.625 | 0.0000 | 0.0000 | 83.699 | 0.07091 | 0.00000 | 319537.6 | 124125.8 | 183122.1 | S |
| 77.633 | 0.0000 | 0.0000 | 83.699 | 0.07090 | 0.00000 | 319537.6 | 124127.9 | 183122.1 | S |
| 77.642 | 0.0000 | 0.0000 | 83.698 | 0.07088 | 0.00000 | 319537.6 | 124130.1 | 183122.1 | S |
| 77.650 | 0.0000 | 0.0000 | 83.698 | 0.07087 | 0.00000 | 319537.6 | 124132.2 | 183122.1 | S |
| 77.658 | 0.0000 | 0.0000 | 83.698 | 0.07086 | 0.00000 | 319537.6 | 124134.3 | 183122.1 | S |
| 77.667 | 0.0000 | 0.0000 | 83.698 | 0.07084 | 0.00000 | 319537.6 | 124136.4 | 183122.1 | S |
| 77.675 | 0.0000 | 0.0000 | 83.697 | 0.07083 | 0.00000 | 319537.6 | 124138.6 | 183122.1 | S |
| 77.683 | 0.0000 | 0.0000 | 83.697 | 0.07082 | 0.00000 | 319537.6 | 124140.7 | 183122.1 | S |
| 77.692 | 0.0000 | 0.0000 | 83.697 | 0.07080 | 0.00000 | 319537.6 | 124142.8 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:. Scenario 1 :. pond10 100 yr $/ 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (fl datum) | Infiltration Rate (fi3/s) | Overfiow Discharge ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume (fis) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 77.700 | 0.0000 | 0.0000 | 83.697 | 0.07079 | 0.00000 | 319537.6 | 124144.9 | 183122.1 | S |
| 77.708 | 0.0000 | 0.0000 | 83.696 | 0.07078 | 0.00000 | 319537.6 | 124147.1 | 183122.1 | S |
| 77.717 | 0.0000 | 0.0000 | 83.696 | 0.07076 | 0.00000 | 319537.6 | 124149.2 | 183122.1 | S |
| 77.725 | 0.0000 | 0.0000 | 83.696 | 0.07075 | 0.00000 | 319537.6 | 124151.3 | 183122.1 | S |
| 77.733 | 0.0000 | 0.0000 | 83.696 | 0.07074 | 0.00000 | 319537.6 | 124153.4 | 183122.1 | S |
| 77.742 | 0.0000 | 0.0000 | 83.696 | 0.07072 | 0.00000 | 319537.6 | 124155.6 | 183122.1 | S |
| 77.750 | 0.0000 | 0.0000 | 83.695 | 0.07071 | 0.00000 | 319537.6 | 124157.7 | 183122.1 | S |
| 77.758 | 0.0000 | 0.0000 | 83.695 | 0.07070 | 0.00000 | 319537.6 | 124159.8 | 183122.1 | S |
| 77.767 | 0.0000 | 0.0000 | 83.695 | 0.07068 | 0.00000 | 319537.6 | 124161.9 | 183122.1 | S |
| 77.775 | 0.0000 | 0.0000 | 83.695 | 0.07067 | 0.00000 | 319537.6 | 124164.0 | 183122.1 | S |
| 77.783 | 0.0000 | 0.0000 | 83.694 | 0.07066 | 0.00000 | 319537.6 | 124166.2 | 183122.1 | S |
| 77.792 | 0.0000 | 0.0000 | 83.694 | 0.07064 | 0.00000 | 319537.6 | 124168.3 | 183122.1 | S |
| 77.800 | 0.0000 | 0.0000 | 83.694 | 0.07063 | 0.00000 | 319537.6 | 124170.4 | 183122.1 | S |
| 77.808 | 0.0000 | 0.0000 | 83.694 | 0.07062 | 0.00000 | 319537.6 | 124172.5 | 183122.1 | S |
| 77.817 | 0.0000 | 0.0000 | 83.693 | 0.07060 | 0.00000 | 319537.6 | 124174.6 | 183122.1 | S |
| 77.825 | 0.0000 | 0.0000 | 83.693 | 0.07059 | 0.00000 | 319537.6 | 124176.8 | 183122.1 | S |
| 77.833 | 0.0000 | 0.0000 | 83.693 | 0.07058 | 0.00000 | 319537.6 | 124178.9 | 183122.1 | S |
| 77.842 | 0.0000 | 0.0000 | 83.693 | 0.07056 | 0.00000 | 319537.6 | 124181.0 | 183122.1 | S |
| 77.850 | 0.0000 | 0.0000 | 83.692 | 0.07055 | 0.00000 | 319537.6 | 124183.1 | 183122.1 | S |
| 77.858 | 0.0000 | 0.0000 | 83.692 | 0.07054 | 0.00000 | 319537.6 | 124185.2 | 183122.1 | S |
| 77.867 | 0.0000 | 0.0000 | 83.692 | 0.07052 | 0.00000 | 319537.6 | 124187.3 | 183122.1 | S |
| 77.875 | 0.0000 | 0.0000 | 83.692 | 0.07051 | 0.00000 | 319537.6 | 124189.5 | 183122.1 | S |
| 77.883 | 0.0000 | 0.0000 | 83.691 | 0.07050 | 0.00000 | 319537.6 | 124191.6 | 183122.1 | S |
| 77.892 | 0.0000 | 0.0000 | 83.691 | 0.07048 | 0.00000 | 319537.6 | 124193.7 | 183122.1 | S |
| 77.900 | 0.0000 | 0.0000 | 83.691 | 0.07047 | 0.00000 | 319537.6 | 124195.8 | 183722.1 | S |
| 77.908 | 0.0000 | 0.0000 | 83.691 | 0.07046 | 0.00000 | 319537.6 | 124197.9 | 183122.1 | S |
| 77.917 | 0.0000 | 0.0000 | 83.690 | 0.07044 | 0.00000 | 319537.6 | 124200.0 | 183122.1 | S |
| 77.925 | 0.0000 | 0.0000 | 83.690 | 0.07043 | 0.00000 | 319537.6 | 124202.1 | 183122.1 | S |
| 77.933 | 0.0000 | 0.0000 | 83.690 | 0.07042 | 0.00000 | 319537.6 | 124204.3 | 183122.1 | S |
| 77.942 | 0.0000 | 0.0000 | 83.690 | 0.07041 | 0.00000 | 319537.6 | 124206.4 | 183122.1 | S |
| 77.950 | 0.0000 | 0.0000 | 83.689 | 0.07039 | 0.00000 | 319537.6 | 124208.5 | 183122.1 | S |
| 77.958 | 0.0000 | 0.0000 | 83.689 | 0.07038 | 0.00000 | 319537.6 | 124210.6 | 183122.1 | S |
| 77.967 | 0.0000 | 0.0000 | 83.689 | 0.07037 | 0.00000 | 319537.6 | 124212.7 | 183122.1 | S |
| 77.975 | 0.0000 | 0.0000 | 83.689 | 0.07035 | 0.00000 | 319537.6 | 124214.8 | 183122.1 | S |
| 77.983 | 0.0000 | 0.0000 | 83.689 | 0.07034 | 0.00000 | 319537.6 | 124216.9 | 183122.1 | S |
| 77.992 | 0.0000 | 0.0000 | 83.688 | 0.07033 | 0.00000 | 319537.6 | 124219.0 | 183122.1 | S |
| 78.000 | 0.0000 | 0.0000 | 83.688 | 0.07031 | 0.00000 | 319537.6 | 124221.1 | 183122.1 | S |
| 78.008 | 0.0000 | 0.0000 | 83.688 | 0.07030 | 0.00000 | 319537.6 | 124223.3 | 183122.1 | S |
| 78.017 | 0.0000 | 0.0000 | 83.688 | 0.07029 | 0.00000 | 319537.6 | 124225.4 | 183122.1 | S |
| 78.025 | 0.0000 | 0.0000 | 83.687 | 0.07027 | 0.00000 | 319537.6 | 124227.5 | 183122.1 | S |
| 78.033 | 0.0000 | 0.0000 | 83.687 | 0.07026 | 0.00000 | 319537.6 | 124229.6 | 183122.1 | S |
| 78.042 | 0.0000 | 0.0000 | 83.687 | 0.07025 | 0.00000 | 319537.6 | 124231.7 | 183722.1 | S |
| 78.050 | 0.0000 | 0.0000 | 83.687 | 0.07023 | 0.00000 | 319537.6 | 124233.8 | 183122.1 | S |
| 78.058 | 0.0000 | 0.0000 | 83.686 | 0.07022 | 0.00000 | 319537.6 | 124235.9 | 183122.1 | S |
| 78.067 | 0.0000 | 0.0000 | 83.686 | 0.07021 | 0.00000 | 319537.6 | 124238.0 | 183122.1 | S |
| 78.075 | 0.0000 | 0.0000 | 83.686 | 0.07019 | 0.00000 | 319537.6 | 124240.1 | 183122.1 | S |
| 78.083 | 0.0000 | 0.0000 | 83.686 | 0.07018 | 0.00000 | 319537.6 | 124242.2 | 183122.1 | S |
| 78.092 | 0.0000 | 0.0000 | 83.685 | 0.07017 | 0.00000 | 319537.6 | 124244.3 | 183122.1 | S |
| 78.100 | 0.0000 | 0.0000 | 83.685 | 0.07016 | 0.00000 | 319537.6 | 124246.4 | 183122.1 | S |
| 78.108 | 0.0000 | 0.0000 | 83.685 | 0.07014 | 0.00000 | 319537.6 | 124248.5 | 183122.1 | S |
| 78.117 | 0.0000 | 0.0000 | 83.685 | 0.07013 | 0.00000 | 319537.6 | 124250.6 | 183122.1 | S |
| 78.125 | 0.0000 | 0.0000 | 83.684 | 0.07012 | 0.00000 | 319537.6 | 124252.7 | 183122.1 | S |
| 78.133 | 0.0000 | 0.0000 | 83.684 | 0.07010 | 0.00000 | 319537.6 | 124254.8 | 183122.1 | S |
| 78.142 | 0.0000 | 0.0000 | 83.684 | 0.07009 | 0.00000 | 319537.6 | 124256.9 | 183122.1 | S |
| 78.150 | 0.0000 | 0.0000 | 83.684 | 0.07008 | 0.00000 | 319537.6 | 124259.0 | 183122.1 | S |
| 78.158 | 0.0000 | 0.0000 | 83.683 | 0.07006 | 0.00000 | 319537.6 | 124261.1 | 183122.1 | S |
| 78.167 | 0.0000 | 0.0000 | 83.683 | 0.07005 | 0.00000 | 319537.6 | 124263.3 | 183122.1 | S |
| 78.175 | 0.0000 | 0.0000 | 83.683 | 0.07004 | 0.00000 | 319537.6 | 124265.4 | 183122.1 | S |
| 78.183 | 0.0000 | 0.0000 | 83.683 | 0.07002 | 0.00000 | 319537.6 | 124267.5 | 183122.1 | S |
| 78.192 | 0.0000 | 0.0000 | 83.683 | 0.07001 | 0.00000 | 319537.6 | 124269.5 | 183122.1 | S |
| 78.200 | 0.0000 | 0.0000 | 83.682 | 0.07000 | 0.00000 | 319537.6 | 124271.6 | 183122.1 | S |
| 78.208 | 0.0000 | 0.0000 | 83.682 | 0.06999 | 0.00000 | 319537.6 | 124273.8 | 183122.1 | S |
| 78.217 | 0.0000 | 0.0000 | 83.682 | 0.06997 | 0.00000 | 319537.6 | 124275.9 | 183122.1 | S |
| 78.225 | 0.0000 | 0.0000 | 83.682 | 0.06996 | 0.00000 | 319537.6 | 124277.9 | 183122.1 | S |
| 78.233 | 0.0000 | 0.0000 | 83.681 | 0.06995 | 0.00000 | 319537.6 | 124280.0 | \$83122. 1 | S |
| 78.242 | 0.0000 | 0.0000 | 83.681 | 0.06993 | 0.00000 | 319537.6 | 124282.1 | 183122.1 | S |
| 78.250 | 0.0000 | 0.0000 | 83.681 | 0.06992 | 0.00000 | 319537.6 | 124284.2 | 183122.1 | S |
| 78.258 | 0.0000 | 0.0000 | 83.681 | 0.06991 | 0.00000 | 319537.6 | 124286.3 | 183122.1 | S |
| 78.267 | 0.0000 | 0.0000 | 83.680 | 0.06989 | 0.00000 | 319537.6 | 124288.4 | 183122.1 | S |
| 78.275 | 0.0000 | 0.0000 | 83.680 | 0.06988 | 0.00000 | 319537.6 | 124290.5 | 183122.1 | S |
| 78.283 | 0.0000 | 0.0000 | 83.680 | 0.06987 | 0.00000 | 319537.6 | 124292.6 | 183122.1 | S |
| 78.292 | 0.0000 | 0.0000 | 83.680 | 0.06986 | 0.00000 | 319537.6 | 124294.7 | 183122.1 | S |
| 78.300 | 0.0000 | 0.0000 | 83.679 | 0.06984 | 0.00000 | 319537.6 | 124296.8 | 183122.1 | S |
| 78.308 | 0.0000 | 0.0000 | 83.679 | 0.06983 | 0.00000 | 319537.6 | 124298.9 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario $1::$ pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{3} / \mathrm{s}$ ) | Outside Recharge (f/day) | Stage Elevation (ft datum) | Inflilration Rate (f $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow <br> Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $4^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative <br> Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 78.317 | 0.0000 | 0.0000 | 83.679 | 0.06982 | 0.00000 | 319537.6 | 124301.0 | 183122.1 | S |
| 78,325 | 0.0000 | 0.0000 | 83.679 | 0.06980 | 0.00000 | 319537.6 | 124303.1 | 183122.1 | S |
| 78.333 | 0.0000 | 0.0000 | 83.678 | 0.06979 | 0.00000 | 319537.6 | 124305.2 | 183122.1 | S |
| 78.342 | 0.0000 | 0.0000 | 83.678 | 0.06978 | 0.00000 | 319537.6 | 124307.3 | 183122.1 | S |
| 78.350 | 0.0000 | 0.0000 | 83.678 | 0.06976 | 0.00000 | 319537.6 | 124309.4 | 183122.1 | S |
| 78.358 | 0.0000 | 0.0000 | 83.678 | 0.06975 | 0.00000 | 319537.6 | 124311.5 | 183122.1 | S |
| 78.367 | 0.0000 | 0.0000 | 83.678 | 0.06974 | 0.00000 | 319537.6 | 124313.6 | 183122.1 | S |
| 78.375 | 0.0000 | 0.0000 | 83.677 | 0.06973 | 0.00000 | 319537.6 | 124315.7 | 183122.1 | S |
| 78.383 | 0.0000 | 0.0000 | 83.677 | 0.06971 | 0.00000 | 319537.6 | 124317.8 | 183122.1 | S |
| 78.392 | 0.0000 | 0.0000 | 83.677 | 0.06970 | 0.00000 | 319537.6 | 124319.8 | 183122.1 | S |
| 78.400 | 0.0000 | 0.0000 | 83.677 | 0.06969 | 0.00000 | 319537.6 | 124327.9 | 183122.1 | S |
| 78.408 | 0.0000 | 0.0000 | 83.676 | 0.06967 | 0.00000 | 319537.6 | 124324.0 | 183122.1 | S |
| 78.417 | 0.0000 | 0.0000 | 83.676 | 0.06966 | 0.00000 | 319537.6 | 124326.1 | 183122.1 | S |
| 78.425 | 0.0000 | 0.0000 | 83.676 | 0.06965 | 0.00000 | 319537.6 | 124328.2 | 183122.1 | S |
| 78.433 | 0.0000 | 0.0000 | 83.676 | 0.06963 | 0.00000 | 319537.6 | 124330.3 | 183122.1 | S |
| 78.442 | 0.0000 | 0.0000 | 83.675 | 0.06962 | 0.00000 | 319537.6 | 124332.4 | 183122.1 | S |
| 78.450 | 0.0000 | 0.0000 | 83.675 | 0.06961 | 0.00000 | 319537.6 | 124334.5 | 183122.1 | S |
| 78.458 | 0.0000 | 0.0000 | 83.675 | 0.06960 | 0.00000 | 319537.6 | 124336.6 | 183122.1 | S |
| 78.467 | 0.0000 | 0.0000 | 83.675 | 0.06958 | 0.00000 | 319537.6 | 124338.6 | 183122.1 | S |
| 78.475 | 0.0000 | 0.0000 | 83.674 | 0.06957 | 0.00000 | 319537.6 | 124340.7 | 183122.1 | S |
| 78.483 | 0.0000 | 0.0000 | 83.674 | 0.06956 | 0.00000 | 319537.6 | 124342.8 | 183122.1 | S |
| 78.492 | 0.0000 | 0.0000 | 83.674 | 0.06954 | 0.00000 | 319537.6 | 124344.9 | 183122.1 | S |
| 78.500 | 0.0000 | 0.0000 | 83.674 | 0.06953 | 0.00000 | 319537.6 | 124347.0 | 183122.1 | S |
| 78.508 | 0.0000 | 0.0000 | 83.673 | 0.06952 | 0.00000 | 319537.6 | 124349.1 | 183122.1 | S |
| 78.517 | 0.0000 | 0.0000 | 83.673 | 0.06950 | 0.00000 | 319537.6 | 124351.2 | 183122.1 | S |
| 78.525 | 0.0000 | 0.0000 | 83.673 | 0.06949 | 0.00000 | 319537.6 | 124353.3 | 183122.1 | S |
| 78.533 | 0.0000 | 0.0000 | 83.673 | 0.06948 | 0.00000 | 319537.6 | 124355.3 | 183122.1 | S |
| 78.542 | 0.0000 | 0.0000 | 83.672 | 0.06947 | 0.00000 | 319537.6 | 124357.4 | 183122.1 | S |
| 78.550 | 0.0000 | 0.0000 | 83.672 | 0.06945 | 0.00000 | 319537.6 | 124359.5 | 183122.1 | S |
| 78.558 | 0.0000 | 0.0000 | 83.672 | 0.06944 | 0.00000 | 319537.6 | 124361.6 | 183122.1 | S |
| 78.567 | 0.0000 | 0.0000 | 83.672 | 0.06943 | 0.00000 | 319537.6 | 124363.7 | 183122.1 | S |
| 78.575 | 0.0000 | 0.0000 | 83.672 | 0.06941 | 0.00000 | 319537.6 | 124365.8 | 183122.1 | S |
| 78.583 | 0.0000 | 0.0000 | 83.671 | 0.06940 | 0.00000 | 319537.6 | 124367.8 | 183122.1 | S |
| 78.592 | 0.0000 | 0.0000 | 83.671 | 0.06939 | 0.00000 | 319537.6 | 124369.9 | 183122.1 | S |
| 78.600 | 0.0000 | 0.0000 | 83.671 | 0.06938 | 0.00000 | 319537.6 | 124372.0 | 183122.1 | S |
| 78.608 | 0.0000 | 0.0000 | 83.671 | 0.06936 | 0.00000 | 319537.6 | 124374.1 | 183122.1 | S |
| 78.617 | 0.0000 | 0.0000 | 83.670 | 0.06935 | 0.00000 | 319537.6 | 124376.2 | 183122.1 | S |
| 78.625 | 0.0000 | 0.0000 | 83.670 | 0.06934 | 0.00000 | 319537.6 | 124378.2 | 183122.1 | S |
| 78.633 | 0.0000 | 0.0000 | 83.670 | 0.06932 | 0.00000 | 319537.6 | 124380.3 | 483122.1 | S |
| 78.642 | 0.0000 | 0.0000 | 83.670 | 0.06931 | 0.00000 | 319537.6 | 124382.4 | 183122.1 | S |
| 78.650 | 0.0000 | 0.0000 | 83.669 | 0.06930 | 0.00000 | 319537.6 | 124384.5 | 183122.1 | S |
| 78.658 | 0.0000 | 0.0000 | 83.669 | 0.06929 | 0.00000 | 319537.6 | 124386.6 | 183122.1 | S |
| 78.667 | 0.0000 | 0.0000 | 83.669 | 0.06927 | 0.00000 | 319537.6 | 124388.6 | 183122.1 | S |
| 78.675 | 0.0000 | 0.0000 | 83.669 | 0.06926 | 0.00000 | 319537.6 | 124390.7 | 183122.1 | S |
| 78.683 | 0.0000 | 0.0000 | 83.668 | 0.06925 | 0.00000 | 319537.6 | 124392.8 | 183122.1 | S |
| 78.692 | 0.0000 | 0.0000 | 83.668 | 0.06923 | 0.00000 | 319537.6 | 124394.9 | 183122.1 | S |
| 78.700 | 0.0000 | 0.0000 | 83.668 | 0.06922 | 0.00000 | 319537.6 | 124396.9 | 183122.1 | S |
| 78.708 | 0.0000 | 0.0000 | 83.668 | 0.06921 | 0.00000 | 319537.6 | 124399.0 | 183122.1 | S |
| 78.717 | 0.0000 | 0.0000 | 83.667 | 0.06920 | 0.00000 | 319537.6 | 124401.1 | 183122.1 | S |
| 78.725 | 0.0000 | 0.0000 | 83.667 | 0.06918 | 0.00000 | 319537.6 | 124403.2 | 183122.1 | S |
| 78.733 | 0.0000 | 0.0000 | 83.667 | 0.06917 | 0.00000 | 319537.6 | 124405.3 | 183122.1 | S |
| 78.742 | 0.0000 | 0.0000 | 83.667 | 0.06916 | 0.00000 | 319537.6 | 124407.3 | 183122.1 | S |
| 78.750 | 0.0000 | 0.0000 | 83.667 | 0.06914 | 0.00000 | 319537.6 | 124409.4 | 183122.1 | S |
| 78.758 | 0.0000 | 0.0000 | 83.666 | 0.06913 | 0.00000 | 319537.6 | 124411.5 | \$83122.1 | S |
| 78.767 | 0.0000 | 0.0000 | 83.666 | 0.06912 | 0.00000 | 319537.6 | 124413.5 | 183122.1 | S |
| 78.775 | 0.0000 | 0.0000 | 83.666 | 0.06911 | 0.00000 | 319537.6 | 124415.6 | 183122.1 | S |
| 78.783 | 0.0000 | 0.0000 | 83.666 | 0.06909 | 0.00000 | 319537.6 | 124417.7 | 183122.1 | S |
| 78.792 | 0.0000 | 0.0000 | 83.665 | 0.06908 | 0.00000 | 319537.6 | 124419.8 | 183122.1 | S |
| 78.800 | 0.0000 | 0.0000 | 83.665 | 0.06907 | 0.00000 | 319537.6 | 124421.8 | 183122.1 | S |
| 78.808 | 0.0000 | 0.0000 | 83.665 | 0.06905 | 0.00000 | 319537.6 | 124423.9 | 183122.1 | S |
| 78.817 | 0.0000 | 0.0000 | 83.665 | 0.06904 | 0.00000 | 319537.6 | 124426.0 | 183122.1 | S |
| 78.825 | 0.0000 | 0.0000 | 83.664 | 0.06903 | 0.00000 | 319537.6 | 124428.1 | 183122.1 | S |
| 78.833 | 0.0000 | 0.0000 | 83.664 | 0.06902 | 0.00000 | 319537.6 | 124430.1 | 183122.1 | S |
| 78.842 | 0.0000 | 0.0000 | 83.664 | 0.06900 | 0.00000 | 319537.6 | 124432.2 | 183122.1 | S |
| 78.850 | 0.0000 | 0.0000 | 83.664 | 0.06899 | 0.00000 | 319537.6 | 124434.3 | 183122.1 | S |
| 78.858 | 0.0000 | 0.0000 | 83.663 | 0.06898 | 0.00000 | 319537.6 | 124436.3 | 183122.1 | S |
| 78.867 | 0.0000 | 0.0000 | 83.663 | 0.06897 | 0.00000 | 319537.6 | 124438.4 | 183122.1 | S |
| 78.875 | 0.0000 | 0.0000 | 83.663 | 0.06895 | 0.00000 | 319537.6 | 124440.5 | 183122.1 | S |
| 78.883 | 0.0000 | 0.0000 | 83.663 | 0.06894 | 0.00000 | 319537.6 | 124442.5 | 183122.1 | S |
| 78.892 | 0.0000 | 0.0000 | 83.662 | 0.06893 | 0.00000 | 319537.6 | 124444.6 | 183122.1 | S |
| 78.900 | 0.0000 | 0.0000 | 83.662 | 0.06891 | 0.00000 | 319537.6 | 124446.7 | 183122.1 | S |
| 78.908 | 0.0000 | 0.0000 | 83.662 | 0.06890 | 0.00000 | 319537.6 | 124448.7 | 183122.1 | S |
| 78.917 | 0.0000 | 0.0000 | 83.662 | 0.06889 | 0.00000 | 319537.6 | 124450.8 | 183122.1 | S |
| 78.925 | 0.0000 | 0.0000 | 83.662 | 0.06888 | 0.00000 | 318537.6 | 124452.9 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.

Detailed Results (cont, d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (f datum) | Infitration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumufative Inflow Volume $\left(\mathrm{f}^{3}\right)$ | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 78.933 | 0.0000 | 0.0000 | 83.661 | 0.06886 | 0.00000 | 319537.6 | 124454.9 | 183122.1 | S |
| 78.942 | 0.0000 | 0.0000 | 83.661 | 0.06885 | 0.00000 | 319537.6 | 124457.0 | 183122.1 | S |
| 78.950 | 0.0000 | 0.0000 | 83.661 | 0.06884 | 0.00000 | 319537.6 | 124459.1 | 183122.1 | S |
| 78.958 | 0.0000 | 0.0000 | 83.661 | 0.06883 | 0.00000 | 319537.6 | 124461.1 | 183122.1 | S |
| 78.967 | 0.0000 | 0.0000 | 83.660 | 0.06881 | 0.00000 | 319537.6 | 124463.2 | 183122.1 | S |
| 78.975 | 0.0000 | 0.0000 | 83.660 | 0.06880 | 0.00000 | 319537.6 | 124465.3 | 183122.1 | S |
| 78.983 | 0.0000 | 0.0000 | 83.660 | 0.06879 | 0.00000 | 319537.6 | 124467.3 | 183122.1 | S |
| 78.992 | 0.0000 | 0.0000 | 83.660 | 0.06877 | 0.00000 | 319537.6 | 124469.4 | 183122.1 | S |
| 79.000 | 0.0000 | 0.0000 | 83.659 | 0.06876 | 0.00000 | 319537.6 | 124471.5 | 183122.1 | S |
| 79.008 | 0.0000 | 0.0000 | 83.659 | 0.06875 | 0.00000 | 319537.6 | 124473.5 | 183122.1 | S |
| 79.017 | 0.0000 | 0.0000 | 83.659 | 0.06874 | 0.00000 | 319537.6 | 124475.6 | 183122.1 | \$ |
| 79.025 | 0.0000 | 0.0000 | 83.659 | 0.06872 | 0.00000 | 319537.6 | 124477.6 | 183122.1 | S |
| 79.033 | 0.0000 | 0.0000 | 83.658 | 0.06871 | 0.00000 | 319537.6 | 124479.7 | 183122.1 | S |
| 79.042 | 0.0000 | 0.0000 | 83.658 | 0.06870 | 0.00000 | 319537.6 | 124481.8 | 183122.1 | S |
| 79.050 | 0.0000 | 0.0000 | 83.658 | 0.06869 | 0.00000 | 319537.6 | 124483.8 | 183122.1 | S |
| 79.058 | 0.0000 | 0.0000 | 83.658 | 0.06867 | 0.00000 | 319537.6 | 124485.9 | 183122.1 | S |
| 79.067 | 0.0000 | 0.0000 | 83.658 | 0.06866 | 0.00000 | 319537.6 | 124487.9 | 183122.1 | S |
| 79.075 | 0.0000 | 0.0000 | 83.657 | 0.06865 | 0.00000 | 319537.6 | 124490.0 | 183122.1 | S |
| 79.083 | 0.0000 | 0.0000 | 83.657 | 0.06863 | 0.00000 | 319537.6 | 124492.1 | 183122.1 | S |
| 79.092 | 0.0000 | 0.0000 | 83.657 | 0.06862 | 0.00000 | 319537.6 | 124494.1 | 183122.1 | S |
| 79.100 | 0.0000 | 0.0000 | 83.657 | 0.06861 | 0.00000 | 319537.6 | 124496.2 | 183122.1 | \$ |
| 79.108 | 0.0000 | 0.0000 | 83.656 | 0.06860 | 0.00000 | 319537.6 | 124498.2 | 183122.1 | S |
| 79.117 | 0.0000 | 0.0000 | 83.656 | 0.06858 | 0.00000 | 319537.6 | 124500.3 | 183122.1 | S |
| 79.125 | 0.0000 | 0.0000 | 83.656 | 0.06857 | 0.00000 | 319537.6 | 124502.4 | 183122.1 | S |
| 79.133 | 0.0000 | 0.0000 | 83.656 | 0.06856 | 0.00000 | 319537.6 | 124504.4 | 183122.1 | S |
| 79.142 | 0.0000 | 0.0000 | 83.655 | 0.06855 | 0.00000 | 319537.6 | 124506.5 | 183122.1 | S |
| 79.150 | 0.0000 | 0.0000 | 83.655 | 0.06853 | 0.00000 | 319537.6 | 124508.5 | 183122.1 | S |
| 79.158 | 0.0000 | 0.0000 | 83.655 | 0.06852 | 0.00000 | 319537.6 | 124510.6 | 183122.1 | S |
| 79.167 | 0.0000 | 0.0000 | 83.655 | 0.06851 | 0.00000 | 319537.6 | 124512.6 | 183122.1 | S |
| 79.175 | 0.0000 | 0.0000 | 83.654 | 0.06850 | 0.00000 | 319537.6 | 124514.7 | 183122.1 | S |
| 79.183 | 0.0000 | 0.0000 | 83.654 | 0.06848 | 0.00000 | 319537.6 | 124516.8 | 183122.1 | S |
| 79.192 | 0.0000 | 0.0000 | 83.654 | 0.06847 | 0.00000 | 319537.6 | 124518.8 | 183122.1 | S |
| 79.200 | 0.0000 | 0.0000 | 83.654 | 0.06846 | 0.00000 | 319537.6 | 124520.9 | 183122.1 | S |
| 79.208 | 0.0000 | 0.0000 | 83.654 | 0.06845 | 0.00000 | 319537.6 | 124522.9 | 183122.1 | S |
| 79.217 | 0.0000 | 0.0000 | 83.653 | 0.06843 | 0.00000 | 319537.6 | 124525.0 | 183122.1 | S |
| 79.225 | 0.0000 | 0.0000 | 83.653 | 0.06842 | 0.00000 | 319537.6 | 124527.0 | 183122.1 | S |
| 79.233 | 0.0000 | 0.0000 | 83.653 | 0.06841 | 0.00000 | 319537.6 | 124529.1 | 183122.1 | S |
| 79.242 | 0.0000 | 0.0000 | 83.653 | 0.06839 | 0.00000 | 319537.6 | 124531.1 | 183122.1 | S |
| 79.250 | 0.0000 | 0.0000 | 83.652 | 0.06838 | 0.00000 | 319537.6 | 124533.2 | 183122.1 | S |
| 79.258 | 0.0000 | 0.0000 | 83.652 | 0.06837 | 0.00000 | 319537.6 | 124535.2 | 183122.1 | S |
| 79.267 | 0.0000 | 0.0000 | 83.652 | 0.06836 | 0.00000 | 319537.6 | 124537.3 | 183722.1 | S |
| 79.275 | 0.0000 | 0.0000 | 83.652 | 0.06834 | 0.00000 | 319537.6 | 124539.3 | 183122.1 | S |
| 79.283 | 0.0000 | 0.0000 | 83.651 | 0.06833 | 0.00000 | 319537.6 | 124541.4 | 183122.1 | S |
| 79.292 | 0.0000 | 0.0000 | 83.651 | 0.06832 | 0.00000 | 319537.6 | 124543.4 | 183122.1 | S |
| 79.300 | 0.0000 | 0.0000 | 83.651 | 0.06831 | 0.00000 | 319537.6 | 124545.5 | 183122.1 | S |
| 79.308 | 0.0000 | 0.0000 | 83.651 | 0.06829 | 0.00000 | 319537.6 | 124547.5 | 183122.1 | S |
| 79.317 | 0.0000 | 0.0000 | 83.650 | 0.06828 | 0.00000 | 319537.6 | 124549.6 | 183122.1 | S |
| 79.325 | 0.0000 | 0.0000 | 83.650 | 0.06827 | 0.00000 | 319537.6 | 124551.6 | 183122.1 | S |
| 79.333 | 0.0000 | 0.0000 | 83.650 | 0.06826 | 0.00000 | 319537.6 | 124553.7 | 183122.1 | S |
| 79.342 | 0.0000 | 0.0000 | 83.650 | 0.06824 | 0.00000 | 319537.6 | 124555.7 | 183122.1 | S |
| 79.350 | 0.0000 | 0.0000 | 83.650 | 0.06823 | 0.00000 | 319537.6 | 124557.8 | 183122.1 | S |
| 79.358 | 0.0000 | 0.0000 | 83.649 | 0.06822 | 0.00000 | 319537.6 | 124559.8 | 183122.1 | S |
| 79.367 | 0.0000 | 0.0000 | 83.649 | 0.06821 | 0.00000 | 319537.6 | 124561.9 | 183122.1 | S |
| 79.375 | 0.0000 | 0.0000 | 83.649 | 0.06819 | 0.00000 | 319537.6 | 124563.9 | 183122.1 | S |
| 79.383 | 0.0000 | 0.0000 | 83.649 | 0.06818 | 0.00000 | 319537.6 | 124565.9 | 183122.1 | S |
| 79.392 | 0.0000 | 0.0000 | 83.648 | 0.06817 | 0.00000 | 319537.6 | 124568.0 | 183122.1 | S |
| 79.400 | 0.0000 | 0.0000 | 83.648 | 0.06816 | 0.00000 | 319537.6 | 124570.0 | 183122.1 | S |
| 79.408 | 0.0000 | 0.0000 | 83.648 | 0.06814 | 0.00000 | 319537.6 | 124572.1 | 183122.1 | S |
| 79.417 | 0.0000 | 0.0000 | 83.648 | 0.06813 | 0.00000 | 319537.6 | 124574.1 | 183122.1 | S |
| 79.425 | 0.0000 | 0.0000 | 83.647 | 0.06812 | 0.00000 | 319537.6 | 124576.2 | 183122.1 | S |
| 79.433 | 0.0000 | 0.0000 | 83.647 | 0.06811 | 0.00000 | 319537.6 | 124578.2 | 183122.1 | S |
| 79.442 | 0.0000 | 0.0000 | 83.647 | 0.06809 | 0.00000 | 319537.6 | 124580.3 | 183122.1 | S |
| 79.450 | 0.0000 | 0.0000 | 83.647 | 0.06808 | 0.00000 | 319537.6 | 124582.3 | 183122.1 | S |
| 79.458 | 0.0000 | 0.0000 | 83.646 | 0.06807 | 0.00000 | 319537.6 | 124584.3 | 183122.1 | S |
| 79.467 | 0.0000 | 0.0000 | 83.646 | 0.06806 | 0.00000 | 319537.6 | 124586.4 | 183122.1 | S |
| 79.475 | 0.0000 | 0.0000 | 83.646 | 0.06804 | 0.00000 | 319537.6 | 124588.4 | 183122.1 | S |
| 79.483 | 0.0000 | 0.0000 | 83.646 | 0.06803 | 0.00000 | 319537.6 | 124590.5 | 183122.1 | S |
| 79.492 | 0.0000 | 0.0000 | 83.646 | 0.06802 | 0.00000 | 319537.6 | 124592.5 | 183122.1 | S |
| 79.500 | 0.0000 | 0.0000 | 83.645 | 0.06801 | 0.00000 | 319537.6 | 124594.5 | 183122.1 | S |
| 79.508 | 0.0000 | 0.0000 | 83.645 | 0.06799 | 0.00000 | 319537.6 | 124596.6 | 183122.1 | S |
| 79.517 | 0.0000 | 0.0000 | 83.645 | 0.06798 | 0.00000 | 319537.6 | 124598.6 | 183122.1 | S |
| 79.525 | 0.0000 | 0.0000 | 83.645 | 0.06797 | 0.00000 | 319537.6 | 124600.7 | 183122.1 | S |
| 79.533 | 0.0000 | 0.0000 | 83.644 | 0.06796 | 0.00000 | 319537.6 | 124602.7 | 183122.1 | S |
| 79.542 | 0.0000 | 0.0000 | 83.644 | 0.06794 | 0.00000 | 319537.6 | 124604.7 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 /} / \mathrm{s}$ ) | Outside Recharge (fidday) | Stage Elevation (fl datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 79.550 | 0.0000 | 0.0000 | 83.644 | 0.06793 | 0.00000 | 319537.6 | 124606.8 | 183122.1 | S |
| 79.558 | 0.0000 | 0.0000 | 83.644 | 0.06792 | 0.00000 | 319537.6 | 124608.8 | 183122.1 | S |
| 79.567 | 0.0000 | 0.0000 | 83.643 | 0.06791 | 0.00000 | 319537.6 | 124610.9 | 183122.1 | S |
| 79.575 | 0.0000 | 0.0000 | 83.643 | 0.06789 | 0.00000 | 319537.6 | 124612.9 | 183122.1 | S |
| 79.583 | 0.0000 | 0.0000 | 83.643 | 0.06788 | 0.00000 | 319537.6 | 124614.9 | 183122.1 | S |
| 79.592 | 0.0000 | 0.0000 | 83.643 | 0.06787 | 0.00000 | 319537.6 | 124617.0 | 183122.1 | S |
| 79.600 | 0.0000 | 0.0000 | 83.642 | 0.06786 | 0.00000 | 319537.6 | 124619.0 | 183122.1 | S |
| 79.608 | 0.0000 | 0.0000 | 83.642 | 0.06784 | 0.00000 | 319537.6 | 124621.0 | 183122.1 | S |
| 79.617 | 0.0000 | 0.0000 | 83.642 | 0.06783 | 0.00000 | 319537.6 | 124623.1 | 183122.1 | S |
| 79.625 | 0.0000 | 0.0000 | 83.642 | 0.06782 | 0.00000 | 319537.6 | 124625.1 | 183122.1 | S |
| 79.633 | 0.0000 | 0.0000 | 83.642 | 0.06781 | 0.00000 | 319537.6 | 124627.1 | 183122.1 | S |
| 79.642 | 0.0000 | 0.0000 | 83.641 | 0.06779 | 0.00000 | 319537.6 | 124629.2 | 183122.1 | S |
| 79.650 | 0.0000 | 0.0000 | 83.641 | 0.06778 | 0.00000 | 319537.6 | 124631.2 | 183122.1 | S |
| 79.658 | 0.0000 | 0.0000 | 83.641 | 0.06777 | 0.00000 | 319537.6 | 124633.2 | 183122.1 | S |
| 79.667 | 0.0000 | 0.0000 | 83.641 | 0.06776 | 0.00000 | 319537.6 | 124635.3 | 183122.1 | S |
| 79.675 | 0.0000 | 0.0000 | 83.640 | 0.06774 | 0.00000 | 319537.6 | 124637.3 | 183122.1 | S |
| 79.683 | 0.0000 | 0.0000 | 83.640 | 0.06773 | 0.00000 | 319537.6 | 124639.3 | 183122.1 | S |
| 79.692 | 0.0000 | 0.0000 | 83.640 | 0.06772 | 0.00000 | 319537.6 | 124641.4 | 183122.1 | S |
| 79.700 | 0.0000 | 0.0000 | 83.640 | 0.06771 | 0.00000 | 319537.6 | 124643.4 | 183122.1 | S |
| 79.708 | 0.0000 | 0.0000 | 83.639 | 0.06770 | 0.00000 | 319537.6 | 124645.4 | 183122.1 | S |
| 79.717 | 0.0000 | 0.0000 | 83.639 | 0.06768 | 0.00000 | 319537.6 | 124647.5 | 183122.1 | S |
| 79.725 | 0.0000 | 0.0000 | 83.639 | 0.06767 | 0.00000 | 319537.6 | 124649.5 | 183122.1 | S |
| 79.733 | 0.0000 | 0.0000 | 83.639 | 0.06766 | 0.00000 | 319537.6 | 124651.5 | 183122.1 | S |
| 79.742 | 0.0000 | 0.0000 | 83.638 | 0.06765 | 0.00000 | 319537.6 | 124653.6 | 183122.1 | S |
| 79.750 | 0.0000 | 0.0000 | 83.638 | 0.06763 | 0.00000 | 319537.6 | 124655.6 | 183122.1 | S |
| 79.758 | 0.0000 | 0.0000 | 83.638 | 0.06762 | 0.00000 | 319537.6 | 124657.6 | 183122.1 | S |
| 79.767 | 0.0000 | 0.0000 | 83.638 | 0.06761 | 0.00000 | 319537.6 | 124659.6 | 183122.1 | S |
| 79.775 | 0.0000 | 0.0000 | 83.638 | 0.06760 | 0.00000 | 319537.6 | 124661.7 | 183122.1 | S |
| 79.783 | 0.0000 | 0.0000 | 83.637 | 0.06758 | 0.00000 | 319537.6 | 124663.7 | 183122.1 | S |
| 79.792 | 0.0000 | 0.0000 | 83.637 | 0.06757 | 0.00000 | 319537.6 | 124665.7 | 183122.1 | S |
| 79.800 | 0.0000 | 0.0000 | 83.637 | 0.06756 | 0.00000 | 319537.6 | 124667.8 | 183122.1 | S |
| 79.808 | 0.0000 | 0.0000 | 83.637 | 0.06755 | 0.00000 | 319537.6 | 124669.8 | 183122.1 | S |
| 79.817 | 0.0000 | 0.0000 | 83.636 | 0.06753 | 0.00000 | 319537.6 | 124671.8 | 183122.1 | S |
| 79.825 | 0.0000 | 0.0000 | 83.636 | 0.06752 | 0.00000 | 319537.6 | 124673.8 | 183122.1 | S |
| 79.833 | 0.0000 | 0.0000 | 83.636 | 0.06751 | 0.00000 | 319537.6 | 124675.9 | 183122.1 | S |
| 79.842 | 0.0000 | 0.0000 | 83.636 | 0.06750 | 0.00000 | 319537.6 | 124677.9 | 183122.1 | S |
| 79.850 | 0.0000 | 0.0000 | 83.635 | 0.06748 | 0.00000 | 319537.6 | 124679.9 | 183122.1 | S |
| 79.858 | 0.0000 | 0.0000 | 83.635 | 0.06747 | 0.00000 | 319537.6 | 124681.9 | 183122.1 | S |
| 79.867 | 0.0000 | 0.0000 | 83.635 | 0.06746 | 0.00000 | 319537.6 | 124684.0 | 183122.1 | S |
| 79.875 | 0.0000 | 0.0000 | 83.635 | 0.06745 | 0.00000 | 319537.6 | 124686.0 | 183122.1 | S |
| 79.883 | 0.0000 | 0.0000 | 83.634 | 0.06744 | 0.00000 | 319537.6 | 124688.0 | 183122.1 | S |
| 79.892 | 0.0000 | 0.0000 | 83.634 | 0.06742 | 0.00000 | 319537.6 | 124690.0 | 183122.1 | S |
| 79.900 | 0.0000 | 0.0000 | 83.634 | 0.06741 | 0.00000 | 319537.6 | 124692.0 | 183122.1 | S |
| 79.908 | 0.0000 | 0.0000 | 83.634 | 0.06740 | 0.00000 | 319537.6 | 124694.1 | 183122.1 | S |
| 79.917 | 0.0000 | 0.0000 | 83.634 | 0.06739 | 0.00000 | 319537.6 | 124696.1 | 183122.1 | S |
| 79.925 | 0.0000 | 0.0000 | 83.633 | 0.06737 | 0.00000 | 319537.6 | 124698.1 | 183122.1 | S |
| 79.933 | 0.0000 | 0.0000 | 83.633 | 0.06736 | 0.00000 | 319537.6 | 124700.1 | 183122.1 | S |
| 79.942 | 0.0000 | 0.0000 | 83.633 | 0.06735 | 0.00000 | 319537.6 | 124702.2 | 183122.1 | S |
| 79.950 | 0.0000 | 0.0000 | 83.633 | 0.06734 | 0.00000 | 319537.6 | 124704.2 | 183122.1 | S |
| 79.958 | 0.0000 | 0.0000 | 83.632 | 0.06732 | 0.00000 | 319537.6 | 124706.2 | 183122.1 | S |
| 79.967 | 0.0000 | 0.0000 | 83.632 | 0.06731 | 0.00000 | 319537.6 | 124708.2 | 183122.1 | S |
| 79.975 | 0.0000 | 0.0000 | 83.632 | 0.06730 | 0.00000 | 319537.6 | 124710.2 | 183122.1 | S |
| 79.983 | 0.0000 | 0.0000 | 83.632 | 0.06729 | 0.00000 | 319537.6 | 124712.3 | 183122.1 | S |
| 79.992 | 0.0000 | 0.0000 | 83.631 | 0.06728 | 0.00000 | 319537.6 | 124714.3 | 183122.1 | S |
| 80.000 | 0.0000 | 0.0000 | 83.631 | 0.06726 | 0.00000 | 319537.6 | 124716.3 | 183122.1 | S |
| 80.008 | 0.0000 | 0.0000 | 83.631 | 0.06725 | 0.00000 | 319537.6 | 124718.3 | 183122.1 | S |
| 80.017 | 0.0000 | 0.0000 | 83.631 | 0.06724 | 0.00000 | 319537.6 | 124720.3 | \$83122.1 | S |
| 80.025 | 0.0000 | 0.0000 | 83.631 | 0.06723 | 0.00000 | 319537.6 | 124722.3 | 183122.1 | S |
| 80.033 | 0.0000 | 0.0000 | 83.630 | 0.06721 | 0.00000 | 319537.6 | 124724.4 | 183122.1 | S |
| 80.042 | 0.0000 | 0.0000 | 83.630 | 0.06720 | 0.00000 | 319537.6 | 124726.4 | 183122.1 | S |
| 80.050 | 0.0000 | 0.0000 | 83.630 | 0.06719 | 0.00000 | 319537.6 | 124728.4 | 183122.1 | S |
| 80.058 | 0.0000 | 0.0000 | 83.630 | 0.06718 | 0.00000 | 319537.6 | 124730.4 | 183122.1 | S |
| 80.067 | 0.0000 | 0.0000 | 83.629 | 0.06717 | 0.00000 | 319537.6 | 124732.4 | 183122.1 | S |
| 80.075 | 0.0000 | 0.0000 | 83.629 | 0.06715 | 0.00000 | 319537.6 | 124734.4 | 183122.1 | S |
| 80.083 | 0.0000 | 0.0000 | 83.629 | 0.06714 | 0.00000 | 319537.6 | 124736.4 | 183122.1 | S |
| 80.092 | 0.0000 | 0.0000 | 83.629 | 0.06713 | 0.00000 | 319537.6 | 124738.5 | 183122.1 | S |
| 80.100 | 0.0000 | 0.0000 | 83.628 | 0.06712 | 0.00000 | 319537.6 | 124740.5 | 183122.1 | S |
| 80.108 | 0.0000 | 0.0000 | 83.628 | 0.06710 | 0.00000 | 319537.6 | 124742.5 | 183122.1 | S |
| 80.117 | 0.0000 | 0.0000 | 83.628 | 0.06709 | 0.00000 | 319537.6 | 124744.5 | 183122.1 | S |
| 80.125 | 0.0000 | 0.0000 | 83.628 | 0.06708 | 0.00000 | 319537.6 | 124746.5 | 183122.1 | S |
| 80.133 | 0.0000 | 0.0000 | 83.628 | 0.06707 | 0.00000 | 319537.6 | 124748.5 | 183122.1 | S |
| 80.142 | 0.0000 | 0.0000 | 83.627 | 0.06706 | 0.00000 | 319537.6 | 124750.5 | 183122.1 | S |
| 80.150 | 0.0000 | 0.0000 | 83.627 | 0.06704 | 0.00000 | 319537.6 | 124752.5 | 183122.1 | S |
| 80.158 | 0.0000 | 0.0000 | 83.627 | 0.06703 | 0.00000 | 319537.6 | 124754.6 | 183122.1 | S |

PONDS Version 3.2.0207

# Retention Pond Recovery - Refined Method Copyright 2003 

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / 5}$ ) | Overflow <br> Discharge ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative <br> Discharge <br> Voiume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 80.167 | 0.0000 | 0.0000 | 83.627 | 0.06702 | 0.00000 | 319537.6 | 124756.6 | 183122.1 | S |
| 80.175 | 0.0000 | 0.0000 | 83.626 | 0.06701 | 0.00000 | 319537.6 | 124758.6 | 183122.1 | S |
| 80.183 | 0.0000 | 0.0000 | 83.626 | 0.06699 | 0.00000 | 319537.6 | 124760.6 | 183122.1 | S |
| 80.192 | 0.0000 | 0.0000 | 83.626 | 0.06698 | 0.00000 | 319537.6 | 124762.6 | 183122.1 | S |
| 80.200 | 0.0000 | 0.0000 | 83.626 | 0.06697 | 0.00000 | 319537.6 | 124764.6 | 183122.1 | S |
| 80.208 | 0.0000 | 0.0000 | 83.625 | 0.06696 | 0.00000 | 319537.6 | 124766.6 | 183122.1 | S |
| 80.217 | 0.0000 | 0.0000 | 83.625 | 0.06695 | 0.00000 | 319537.6 | 124768.6 | 183122.1 | S |
| 80.225 | 0.0000 | 0.0000 | 83.625 | 0.06693 | 0.00000 | 319537.6 | 124770.6 | 183122.1 | S |
| 80.233 | 0.0000 | 0.0000 | 83.625 | 0.06692 | 0.00000 | 319537.6 | 124772.6 | 183122.1 | S |
| 80.242 | 0.0000 | 0.0000 | 83.624 | 0.06691 | 0.00000 | 319537.6 | 124774.6 | 183122.1 | S |
| 80.250 | 0.0000 | 0.0000 | 83.624 | 0.06690 | 0.00000 | 319537.6 | 124776.7 | 183122.1 | S |
| 80.258 | 0.0000 | 0.0000 | 83.624 | 0.06688 | 0.00000 | 319537.6 | 124778.7 | 183122.1 | S |
| 80.267 | 0.0000 | 0.0000 | 83.624 | 0.06687 | 0.00000 | 319537.6 | 124780.7 | 183122.1 | S |
| 80.275 | 0.0000 | 0.0000 | 83.624 | 0.06686 | 0.00000 | 319537.6 | 124782.7 | 183122.1 | S |
| 80.283 | 0.0000 | 0.0000 | 83.623 | 0.06685 | 0.00000 | 319537.6 | 124784.7 | 183122.1 | S |
| 80.292 | 0.0000 | 0.0000 | 83.623 | 0.06684 | 0.00000 | 319537.6 | 124786.7 | 183122.1 | S |
| 80.300 | 0.0000 | 0.0000 | 83.623 | 0.06682 | 0.00000 | 319537.6 | 124788.7 | 183122.1 | S |
| 80.308 | 0.0000 | 0.0000 | 83.623 | 0.06681 | 0.00000 | 319537.6 | 124790.7 | 183122.1 | S |
| 80.317 | 0.0000 | 0.0000 | 83.622 | 0.06680 | 0.00000 | 319537.6 | 124792.7 | 183122.1 | S |
| 80.325 | 0.0000 | 0.0000 | 83.622 | 0.06679 | 0.00000 | 319537.6 | 124794.7 | 183122.1 | S |
| 80.333 | 0.0000 | 0.0000 | 83.622 | 0.06678 | 0.00000 | 319537.6 | 124796.7 | 183122.1 | S |
| 80.342 | 0.0000 | 0.0000 | 83.622 | 0.06676 | 0.00000 | 319537.6 | 124798.7 | 183122.1 | S |
| 80.350 | 0.0000 | 0.0000 | 83.621 | 0.06675 | 0.00000 | 319537.6 | 124800.7 | 183122.1 | S |
| 80.358 | 0.0000 | 0.0000 | 83.621 | 0.06674 | 0.00000 | 319537.6 | 124802.7 | 183122.1 | S |
| 80.367 | 0.0000 | 0.0000 | 83.621 | 0.06673 | 0.00000 | 319537.6 | 124804.7 | 183122.1 | S |
| 80.375 | 0.0000 | 0.0000 | 83.621 | 0.06671 | 0.00000 | 319537.6 | 124806.7 | 183122.1 | S |
| 80.383 | 0.0000 | 0.0000 | 83.621 | 0.06670 | 0.00000 | 319537.6 | 124808.7 | 183122.1 | S |
| 80.392 | 0.0000 | 0.0000 | 83.620 | 0.06669 | 0.00000 | 319537.6 | 124810.7 | 183122.1 | S |
| 80.400 | 0.0000 | 0.0000 | 83.620 | 0.06668 | 0.00000 | 319537.6 | 124812.7 | 183122.1 | S |
| 80.408 | 0.0000 | 0.0000 | 83.620 | 0.06667 | 0.00000 | 319537.6 | 124814.7 | 183122.1 | S |
| 80.417 | 0.0000 | 0.0000 | 83.620 | 0.06665 | 0.00000 | 319537.6 | 124816.7 | 183122.1 | S |
| 80.425 | 0.0000 | 0.0000 | 83.619 | 0.06664 | 0.00000 | 319537.6 | 124818.7 | 183122.1 | S |
| 80.433 | 0.0000 | 0.0000 | 83.619 | 0.06663 | 0.00000 | 319537.6 | 124820.7 | 183122.1 | S |
| 80.442 | 0.0000 | 0.0000 | 83.619 | 0.06662 | 0.00000 | 319537.6 | 124822.7 | 183122.1 | S |
| 80.450 | 0.0000 | 0.0000 | 83.619 | 0.06661 | 0.00000 | 319537.6 | 124824.7 | 183122.1 | S |
| 80.458 | 0.0000 | 0.0000 | 83.618 | 0.06659 | 0.00000 | 319537.6 | 124826.7 | 183122.1 | S |
| 80.467 | 0.0000 | 0.0000 | 83.618 | 0.06658 | 0.00000 | 319537.6 | 124828.7 | 183122.1 | S |
| 80.475 | 0.0000 | 0.0000 | 83.618 | 0.06657 | 0.00000 | 319537.6 | 124830.7 | 183122.1 | S |
| 80.483 | 0.0000 | 0.0000 | 83.618 | 0.06656 | 0.00000 | 319537.6 | 124832.7 | 183122.1 | S |
| 80.492 | 0.0000 | 0.0000 | 83.618 | 0.06655 | 0.00000 | 319537.6 | 124834.7 | 183122.1 | S |
| 80.500 | 0.0000 | 0.0000 | 83.617 | 0.06653 | 0.00000 | 319537.6 | 124836.7 | 183122.1 | S |
| 80.508 | 0.0000 | 0.0000 | 83.617 | 0.06652 | 0.00000 | 319537.6 | 124838.7 | 183122.1 | S |
| 80.517 | 0.0000 | 0.0000 | 83.617 | 0.06651 | 0.00000 | 319537.6 | 124840.7 | 183122.1 | S |
| 80.525 | 0.0000 | 0.0000 | 83.617 | 0.06650 | 0.00000 | 319537.6 | 124842.7 | 183122.1 | S |
| 80.533 | 0.0000 | 0.0000 | 83.616 | 0.06648 | 0.00000 | 319537.6 | 124844.7 | 183122.1 | S |
| 80.542 | 0.0000 | 0.0000 | 83.616 | 0.06647 | 0.00000 | 319537.6 | 124846.7 | 183122.1 | S |
| 80.550 | 0.0000 | 0.0000 | 83.616 | 0.06646 | 0.00000 | 319537.6 | 124848.7 | 183122.1 | S |
| 80.558 | 0.0000 | 0.0000 | 83.616 | 0.06645 | 0.00000 | 319537.6 | 124850.7 | 183122.1 | S |
| 80.567 | 0.0000 | 0.0000 | 83.615 | 0.06644 | 0.00000 | 319537.6 | 124852.7 | 183122.1 | S |
| 80.575 | 0.0000 | 0.0000 | 83.615 | 0.06642 | 0.00000 | 319537.6 | 124854.6 | 183122.1 | S |
| 80.583 | 0.0000 | 0.0000 | 83.615 | 0.06641 | 0.00000 | 319537.6 | 124856.6 | 183122.1 | S |
| 80.592 | 0.0000 | 0.0000 | 83.615 | 0.06640 | 0.00000 | 319537.6 | 124858.6 | 183122.1 | S |
| 80.600 | 0.0000 | 0.0000 | 83.615 | 0.06639 | 0.00000 | $3 \uparrow 9537.6$ | 124860.6 | 183122.1 | S |
| 80.608 | 0.0000 | 0.0000 | 83.614 | 0.06638 | 0.00000 | 319537.6 | 124862.6 | 183122.1 | S |
| 80.617 | 0.0000 | 0.0000 | 83.614 | 0.06636 | 0.00000 | 319537.6 | 124864.6 | 183122.1 | S |
| 80.625 | 0.0000 | 0.0000 | 83.614 | 0.06635 | 0.00000 | 319537.6 | 124866.6 | 183122.1 | S |
| 80.633 | 0.0000 | 0.0000 | 83.614 | 0.06634 | 0.00000 | 319537.6 | 124868.6 | 183122.1 | S |
| 80.642 | 0.0000 | 0.0000 | 83.613 | 0.06633 | 0.00000 | 319537.6 | 124870.6 | 183122.1 | S |
| 80.650 | 0.0000 | 0.0000 | 83.613 | 0.06632 | 0.00000 | 319537.6 | 124872.6 | 183122.1 | S |
| 80.658 | 0.0000 | 0.0000 | 83.613 | 0.06630 | 0.00000 | 319537.6 | 124874.6 | 183122.1 | S |
| 80.667 | 0.0000 | 0.0000 | 83.613 | 0.06629 | 0.00000 | 319537.6 | 124876.5 | 183122.1 | S |
| 80.675 | 0.0000 | 0.0000 | 83.612 | 0.06628 | 0.00000 | 319537.6 | 124878.5 | 183122.1 | S |
| 80.683 | 0.0000 | 0.0000 | 83.612 | 0.06627 | 0.00000 | 319537.6 | 124880.5 | 183122.1 | S |
| 80.692 | 0.0000 | 0.0000 | 83.612 | 0.06626 | 0.00000 | 319537.6 | 124882.5 | 183122.1 | S |
| 80.700 | 0.0000 | 0.0000 | 83.612 | 0.06624 | 0.00000 | 319537.6 | 124884.5 | 183122.1 | S |
| 80.708 | 0.0000 | 0.0000 | 83.612 | 0.06623 | 0.00000 | 319537.6 | 124886.5 | 183122.4 | S |
| 80.717 | 0.0000 | 0.0000 | 83.611 | 0.06622 | 0.00000 | 319537.6 | 124888.5 | 183122.1 | S |
| 80.725 | 0.0000 | 0.0000 | 83.611 | 0.06621 | 0.00000 | 319537.6 | 124890.5 | 183122.1 | S |
| 80.733 | 0.0000 | 0.0000 | 83.611 | 0.06620 | 0.00000 | 319537.6 | 124892.4 | 183122.1 | S |
| 80.742 | 0.0000 | 0.0000 | 83.611 | 0.06618 | 0.00000 | 319537.6 | 124894.4 | 183122.1 | S |
| 80.750 | 0.0000 | 0.0000 | 83.610 | 0.06617 | 0.00000 | 319537.6 | 124896.4 | 183122.1 | S |
| 80.758 | 0.0000 | 0.0000 | 83.610 | 0.06616 | 0.00000 | 319537.6 | 124898.4 | 183122.1 | S |
| 80.767 | 0.0000 | 0.0000 | 83.610 | 0.06615 | 0.00000 | 319537.6 | 124900.4 | 183122.1 | S |
| 80.775 | 0.0000 | 0.0000 | 83.610 | 0.06614 | 0.00000 | 319537.6 | 124902.4 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.

## Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( f ${ }^{3 / \mathrm{s} \text { ) }) ~}$ | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Elow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 80.783 | 0.0000 | 0.0000 | 83.609 | 0.06612 | 0.00000 | 319537.6 | 124904.4 | 183122.1 | S |
| 80.792 | 0.0000 | 0.0000 | 83.609 | 0.06611 | 0.00000 | 319537.6 | 124906.3 | 183122.1 | S |
| 80.800 | 0.0000 | 0.0000 | 83.609 | 0.06610 | 0.00000 | 319537.6 | 124908.3 | 183122.1 | S |
| 80.808 | 0.0000 | 0.0000 | 83.609 | 0.06609 | 0.00000 | 319537.6 | 124910.3 | 183122.1 | S |
| 80.817 | 0.0000 | 0.0000 | 83.609 | 0.06608 | 0.00000 | 319537.6 | 124912.3 | 183122.1 | S |
| 80.825 | 0.0000 | 0.0000 | 83.608 | 0.06606 | 0.00000 | 319537.6 | 124914.3 | 183122.1 | S |
| 80.833 | 0.0000 | 0.0000 | 83.608 | 0.06605 | 0.00000 | 319537.6 | 124916.3 | 183122.1 | S |
| 80.842 | 0.0000 | 0.0000 | 83.608 | 0.06604 | 0.00000 | 319537.6 | 124918.2 | 183122.1 | S |
| 80.850 | 0.0000 | 0.0000 | 83.608 | 0.06603 | 0.00000 | 319537.6 | 124920.2 | 183122.1 | S |
| 80.858 | 0.0000 | 0.0000 | 83.607 | 0.06602 | 0.00000 | 319537.6 | 124922.2 | 183122.1 | S |
| 80.867 | 0.0000 | 0.0000 | 83.607 | 0.06601 | 0.00000 | 319537.6 | 124924.2 | 183122.1 | S |
| 80.875 | 0.0000 | 0.0000 | 83.607 | 0.06599 | 0.00000 | 319537.6 | 124926.2 | 183122.1 | S |
| 80.883 | 0.0000 | 0.0000 | 83.607 | 0.06598 | 0.00000 | 319537.6 | 124928.1 | 183122.1 | S |
| 80.892 | 0.0000 | 0.0000 | 83.606 | 0.06597 | 0.00000 | 319537.6 | 124930.1 | 183122.1 | S |
| 80.900 | 0.0000 | 0.0000 | 83.606 | 0.06596 | 0.00000 | 319537.6 | 124932.1 | 183722.1 | S |
| 80.908 | 0.0000 | 0.0000 | 83.606 | 0.06595 | 0.00000 | 319537.6 | 124934.1 | 183122.1 | S |
| 80.917 | 0.0000 | 0.0000 | 83.606 | 0.06593 | 0.00000 | 319537.6 | 124936.1 | 183122.1 | S |
| 80.925 | 0.0000 | 0.0000 | 83.606 | 0.06592 | 0.00000 | 319537.6 | 124938.0 | 183122.1 | S |
| 80.933 | 0.0000 | 0.0000 | 83.605 | 0.06591 | 0.00000 | 319537.6 | 124940.0 | 183122.1 | S |
| 80.942 | 0.0000 | 0.0000 | 83.605 | 0.06590 | 0.00000 | 319537.6 | 124942.0 | 183122.1 | S |
| 80.950 | 0.0000 | 0.0000 | 83.605 | 0.06589 | 0.00000 | 319537.6 | 124944.0 | 183122.1 | S |
| 80.958 | 0.0000 | 0.0000 | 83.605 | 0.06587 | 0.00000 | 319537.6 | 124945.9 | 183122.1 | S |
| 80.967 | 0.0000 | 0.0000 | 83.604 | 0.06586 | 0.00000 | 319537.6 | 124947.9 | 183122.1 | S |
| 80.975 | 0.0000 | 0.0000 | 83.604 | 0.06585 | 0.00000 | 319537.6 | 124949.9 | 183122.1 | S |
| 80.983 | 0.0000 | 0.0000 | 83.604 | 0.06584 | 0.00000 | 319537.6 | 124951.9 | 183122.1 | S |
| 80.992 | 0.0000 | 0.0000 | 83.604 | 0.06583 | 0.00000 | 319537.6 | 124953.8 | 183122.1 | S |
| 81.000 | 0.0000 | 0.0000 | 83.603 | 0.06581 | 0.00000 | 319537.6 | 124955.8 | 183122.1 | S |
| 81.008 | 0.0000 | 0.0000 | 83.603 | 0.06580 | 0.00000 | 319537.6 | 124957.8 | 183122.1 | S |
| 81.017 | 0.0000 | 0.0000 | 83.603 | 0.06579 | 0.00000 | 319537.6 | 124959.8 | 183122.7 | S |
| 81.025 | 0.0000 | 0.0000 | 83.603 | 0.06578 | 0.00000 | 319537.6 | 124961.7 | 183122.1 | S |
| 81.033 | 0.0000 | 0.0000 | 83.603 | 0.06577 | 0.00000 | 319537.6 | 124963.7 | 183122.1 | S |
| 81.042 | 0.0000 | 0.0000 | 83.602 | 0.06576 | 0.00000 | 319537.6 | 124965.7 | 183122.1 | S |
| 81.050 | 0.0000 | 0.0000 | 83.602 | 0.06574 | 0.00000 | 319537.6 | 124967.7 | 183122.1 | S |
| 81.058 | 0.0000 | 0.0000 | 83.602 | 0.06573 | 0.00000 | 319537.6 | 124969.6 | 183122.1 | S |
| 81.067 | 0.0000 | 0.0000 | 83.602 | 0.06572 | 0.00000 | 319537.6 | 124971.6 | 183122.1 | S |
| 81.075 | 0.0000 | 0.0000 | 83.601 | 0.06571 | 0.00000 | 319537.6 | 124973.6 | 183122.1 | S |
| 81.083 | 0.0000 | 0.0000 | 83.601 | 0.06570 | 0.00000 | 319537.6 | 124975.5 | 183122.1 | S |
| 81.092 | 0.0000 | 0.0000 | 83.601 | 0.06568 | 0.00000 | 319537.6 | 124977.5 | 183122.1 | S |
| 81.100 | 0.0000 | 0.0000 | 83.601 | 0.06567 | 0.00000 | 319537.6 | 124979.5 | 183122.1 | S |
| 81.108 | 0.0000 | 0.0000 | 83.601 | 0.06566 | 0.00000 | 319537.6 | 124981.5 | 183722.1 | S |
| 81.117 | 0.0000 | 0.0000 | 83.600 | 0.06565 | 0.00000 | 319537.6 | 124983.4 | 183122.1 | S |
| 81.125 | 0.0000 | 0.0000 | 83.600 | 0.06564 | 0.00000 | 319537.6 | 124985.4 | 183122.1 | S |
| 81.133 | 0.0000 | 0.0000 | 83.600 | 0.06563 | 0.00000 | 319537.6 | 124987.4 | 183122.1 | S |
| 81.142 | 0.0000 | 0.0000 | 83.600 | 0.06561 | 0.00000 | 319537.6 | 124989.3 | 183122.1 | S |
| 81.150 | 0.0000 | 0.0000 | 83.599 | 0.06560 | 0.00000 | 319537.6 | 124991.3 | 183122.1 | S |
| 81.158 | 0.0000 | 0.0000 | 83.599 | 0.06559 | 0.00000 | 319537.6 | 124993.3 | 183122.1 | S |
| 81.167 | 0.0000 | 0.0000 | 83.599 | 0.06558 | 0.00000 | 319537.6 | 124995.2 | 183122.1 | S |
| 81.175 | 0.0000 | 0.0000 | 83.599 | 0.06557 | 0.00000 | 319537.6 | 124997.2 | 183122.1 | S |
| 81.183 | 0.0000 | 0.0000 | 83.598 | 0.06555 | 0.00000 | 319537.6 | 124999.2 | 183122.1 | S |
| 81.192 | 0.0000 | 0.0000 | 83.598 | 0.06554 | 0.00000 | 319537.6 | 125001.1 | 183122.1 | S |
| 81.200 | 0.0000 | 0.0000 | 83.598 | 0.06553 | 0.00000 | 379537.6 | 125003.1 | 183122.1 | S |
| 81.208 | 0.0000 | 0.0000 | 83.598 | 0.06552 | 0.00000 | 319537.6 | 125005.1 | 183122.1 | S |
| 81.217 | 0.0000 | 0.0000 | 83.598 | 0.06551 | 0.00000 | 319537.6 | 125007.0 | 183122.1 | S |
| 81.225 | 0.0000 | 0.0000 | 83.597 | 0.06550 | 0.00000 | 319537.6 | 125009.0 | 183122.1 | S |
| 81.233 | 0.0000 | 0.0000 | 83.597 | 0.06548 | 0.00000 | 319537.6 | 125011.0 | 183122.1 | S |
| 81.242 | 0.0000 | 0.0000 | 83.597 | 0.06547 | 0.00000 | 319537.6 | 125012.9 | 183122.1 | S |
| 81.250 | 0.0000 | 0.0000 | 83.597 | 0.06546 | 0.00000 | 319537.6 | 125014.9 | 183122.1 | S |
| 81.258 | 0.0000 | 0.0000 | 83.596 | 0.06545 | 0.00000 | 319537.6 | 125016.9 | 183122.1 | S |
| 81.267 | 0.0000 | 0.0000 | 83.596 | 0.06544 | 0.00000 | 319537.6 | 125018.8 | 183122.1 | S |
| 81.275 | 0.0000 | 0.0000 | 83.596 | 0.06542 | 0.00000 | 319537.6 | 125020.8 | 183122.1 | S |
| 81.283 | 0.0000 | 0.0000 | 83.596 | 0.06541 | 0.00000 | 319537.6 | 125022.7 | 183122.1 | S |
| 81.292 | 0.0000 | 0.0000 | 83.595 | 0.06540 | 0.00000 | 319537.6 | 125024.7 | 183122.1 | S |
| 81.300 | 0.0000 | 0.0000 | 83.595 | 0.06539 | 0.00000 | 319537.6 | 125026.7 | 183122.1 | S |
| 81.308 | 0.0000 | 0.0000 | 83.595 | 0.06538 | 0.00000 | 319537.6 | 125028.6 | 183122.1 | S |
| 81.317 | 0.0000 | 0.0000 | 83.595 | 0.06537 | 0.00000 | 319537.6 | 125030.6 | 183122.1 | S |
| 81.325 | 0.0000 | 0.0000 | 83.595 | 0.06535 | 0.00000 | 319537.6 | 125032.5 | 183122.1 | S |
| 81.333 | 0.0000 | 0.0000 | 83.594 | 0.06534 | 0.00000 | 319537.6 | 125034.5 | 183122.1 | S |
| 81.342 | 0.0000 | 0.0000 | 83.594 | 0.06533 | 0.00000 | 319537.6 | 125036.5 | 183122.1 | S |
| 81.350 | 0.0000 | 0.0000 | 83.594 | 0.06532 | 0.00000 | 319537.6 | 125038.4 | 183122.1 | S |
| 81.358 | 0.0000 | 0.0000 | 83.594 | 0.06531 | 0.00000 | 319537.6 | 125040.4 | 183122.1 | S |
| 81.367 | 0.0000 | 0.0000 | 83.593 | 0.06530 | 0.00000 | 319537.6 | 125042.3 | 183122.1 | S |
| 81.375 | 0.0000 | 0.0000 | 83.593 | 0.06528 | 0.00000 | 319537.6 | 125044.3 | 183122.1 | S |
| 81.383 | 0.0000 | 0.0000 | 83.593 | 0.06527 | 0.00000 | 319537.6 | 125046.3 | 183122.1 | S |
| 81.392 | 0.0000 | 0.0000 | 83.593 | 0.06526 | 0.00000 | 319537.6 | 125048.2 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infitration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ff}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{fl}^{3}$ ) | $\begin{aligned} & \text { Flow } \\ & \text { Type } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 81.400 | 0.0000 | 0.0000 | 83.593 | 0.06525 | 0.00000 | 319537.6 | 125050.2 | 183122.1 | S |
| 81.408 | 0.0000 | 0.0000 | 83.592 | 0.06524 | 0.00000 | 319537.6 | 125052.1 | 183122.1 | S |
| 81.417 | 0.0000 | 0.0000 | 83.592 | 0.06523 | 0.00000 | 319537.6 | 125054.1 | 183122.1 | S |
| 81.425 | 0.0000 | 0.0000 | 83.592 | 0.06521 | 0.00000 | 319537.6 | 125056.0 | 183122.1 | S |
| 81.433 | 0.0000 | 0.0000 | 83.592 | 0.06520 | 0.00000 | 319537.6 | 125058.0 | 183122.1 | S |
| 81.442 | 0.0000 | 0.0000 | 83.591 | 0.06519 | 0.00000 | 319537.6 | 125060.0 | 183122.1 | S |
| 81.450 | 0.0000 | 0.0000 | 83.591 | 0.06518 | 0.00000 | 319537.6 | 125061.9 | 183122.1 | S |
| 81.458 | 0.0000 | 0.0000 | 83.591 | 0.06517 | 0.00000 | 319537.6 | 125063.9 | 183122.1 | S |
| 81.467 | 0.0000 | 0.0000 | 83.591 | 0.06516 | 0.00000 | 319537.6 | 125065.8 | 183122.1 | S |
| 81.475 | 0.0000 | 0.0000 | 83.590 | 0.06514 | 0.00000 | 319537.6 | 125067.8 | 183122.1 | S |
| 81.483 | 0.0000 | 0.0000 | 83.590 | 0.06513 | 0.00000 | 319537.6 | 125069.7 | 183122.1 | S |
| 81.492 | 0.0000 | 0.0000 | 83.590 | 0.06512 | 0.00000 | 319537.6 | 125071.7 | 183122.1 | S |
| 81.500 | 0.0000 | 0.0000 | 83.590 | 0.06511 | 0.00000 | 319537.6 | 125073.6 | 183122.1 | S |
| 81.508 | 0.0000 | 0.0000 | 83.590 | 0.06510 | 0.00000 | 319537.6 | 125075.6 | 183122.1 | S |
| 81.517 | 0.0000 | 0.0000 | 83.589 | 0.06509 | 0.00000 | 319537.6 | 125077.5 | 183122.1 | S |
| 81.525 | 0.0000 | 0.0000 | 83.589 | 0.06507 | 0.00000 | 319537.6 | 125079.5 | 183122.1 | S |
| 81.533 | 0.0000 | 0.0000 | 83.589 | 0.06506 | 0.00000 | 319537.6 | 125081.5 | 183122.1 | S |
| 81.542 | 0.0000 | 0.0000 | 83.589 | 0.06505 | 0.00000 | 319537.6 | 125083.4 | 183122.1 | S |
| 81.550 | 0.0000 | 0.0000 | 83.588 | 0.06504 | 0.00000 | 319537.6 | 125085.4 | 183122.1 | S |
| 81.558 | 0.0000 | 0.0000 | 83.588 | 0.06503 | 0.00000 | 319537.6 | 125087.3 | 183122.1 | S |
| 81.567 | 0.0000 | 0.0000 | 83.588 | 0.06502 | 0.00000 | 319537.6 | 125089.3 | 183122.1 | S |
| 81.575 | 0.0000 | 0.0000 | 83.588 | 0.06500 | 0.00000 | 319537.6 | 125091.2 | 183122.1 | S |
| 81.583 | 0.0000 | 0.0000 | 83.588 | 0.06499 | 0.00000 | 319537.6 | 125093.2 | 183122.1 | S |
| 81.592 | 0.0000 | 0.0000 | 83.587 | 0.06498 | 0.00000 | 319537.6 | 125095.1 | $183\} 22.1$ | S |
| 81.600 | 0.0000 | 0.0000 | 83.587 | 0.06497 | 0.00000 | 319537.6 | 125097.1 | 183122.1 | S |
| 81.608 | 0.0000 | 0.0000 | 83.587 | 0.06496 | 0.00000 | 319537.6 | 125099.0 | 183122.1 | S |
| 81.617 | 0.0000 | 0.0000 | 83.587 | 0.06495 | 0.00000 | 319537.6 | 125101.0 | 183122.1 | S |
| 81.625 | 0.0000 | 0.0000 | 83.586 | 0.06493 | 0.00000 | 319537.6 | 125102.9 | 183122.1 | S |
| 81.633 | 0.0000 | 0.0000 | 83.586 | 0.06492 | 0.00000 | 319537.6 | 125104.9 | 183122.1 | S |
| 81.642 | 0.0000 | 0.0000 | 83.586 | 0.06491 | 0.00000 | 319537.6 | 125106.8 | 183122.1 | S |
| 81.650 | 0.0000 | 0.0000 | 83.586 | 0.06490 | 0.00000 | 319537.6 | 125108.7 | 183122.1 | S |
| 81.658 | 0.0000 | 0.0000 | 83.585 | 0.06489 | 0.00000 | 319537.6 | 125110.7 | 183122.1 | S |
| 81.667 | 0.0000 | 0.0000 | 83.585 | 0.06488 | 0.00000 | 319537.6 | 125112.6 | 183122.1 | S |
| 81.675 | 0.0000 | 0.0000 | 83.585 | 0.06486 | 0.00000 | 319537.6 | 125114.6 | 183122.1 | S |
| 81.683 | 0.0000 | 0.0000 | 83.585 | 0.06485 | 0.00000 | 319537.6 | 125116.5 | 183122.1 | S |
| 81.692 | 0.0000 | 0.0000 | 83.585 | 0.06484 | 0.00000 | 319537.6 | 125118.5 | 183122.1 | S |
| 81.700 | 0.0000 | 0.0000 | 83.584 | 0.06483 | 0.00000 | 319537.6 | 125120.4 | 183122.1 | S |
| 81.708 | 0.0000 | 0.0000 | 83.584 | 0.06482 | 0.00000 | 319537.6 | 125122.4 | 183122.1 | S |
| 81.717 | 0.0000 | 0.0000 | 83.584 | 0.06481 | 0.00000 | 319537.6 | 125124.3 | 183122.1 | S |
| 81.725 | 0.0000 | 0.0000 | 83.584 | 0.06479 | 0.00000 | 319537.6 | 125126.3 | 183122.1 | S |
| 81.733 | 0.0000 | 0.0000 | 83.583 | 0.06478 | 0.00000 | 319537.6 | 125128.2 | 183122.1 | S |
| 81.742 | 0.0000 | 0.0000 | 83.583 | 0.06477 | 0.00000 | 319537.6 | 125130.1 | 183122.1 | S |
| 81.750 | 0.0000 | 0.0000 | 83.583 | 0.06476 | 0.00000 | 319537.6 | 125132.1 | 183122.1 | S |
| 81.758 | 0.0000 | 0.0000 | 83.583 | 0.06475 | 0.00000 | 319537.6 | 125134.0 | 183122.1 | S |
| 81.767 | 0.0000 | 0.0000 | 83.583 | 0.06474 | 0.00000 | 319537.6 | 125136.0 | 183122.1 | S |
| 81.775 | 0.0000 | 0.0000 | 83.582 | 0.06473 | 0.00000 | 319537.6 | 125137.9 | 183122.1 | S |
| 81.783 | 0.0000 | 0.0000 | 83.582 | 0.06471 | 0.00000 | 319537.6 | 125139.9 | 183122.1 | S |
| 81.792 | 0.0000 | 0.0000 | 83.582 | 0.06470 | 0.00000 | 319537.6 | 125141.8 | 183122.1 | S |
| 81.800 | 0.0000 | 0.0000 | 83.582 | 0.06469 | 0.00000 | 319537.6 | 125143.7 | 183122.1 | S |
| 81.808 | 0.0000 | 0.0000 | 83.581 | 0.06468 | 0.00000 | 319537.6 | 125145.7 | 183122.1 | S |
| 81.817 | 0.0000 | 0.0000 | 83.581 | 0.06467 | 0.00000 | 319537.6 | 125147.6 | 183122.1 | S |
| 81.825 | 0.0000 | 0.0000 | 83.581 | 0.06466 | 0.00000 | 319537.6 | 125149.6 | 183122.1 | S |
| 81.833 | 0.0000 | 0.0000 | 83.581 | 0.06464 | 0.00000 | 319537.6 | 125151.5 | 183122.1 | S |
| 81.842 | 0.0000 | 0.0000 | 83.580 | 0.06463 | 0.00000 | 319537.6 | 125153.4 | 183122.1 | S |
| 81.850 | 0.0000 | 0.0000 | 83.580 | 0.06462 | 0.00000 | 319537.6 | 125155.4 | 183122.1 | S |
| 81.858 | 0.0000 | 0.0000 | 83.580 | 0.06461 | 0.00000 | 319537.6 | 125157.3 | 183122.1 | S |
| 81.867 | 0.0000 | 0.0000 | 83.580 | 0.06460 | 0.00000 | 319537.6 | $\uparrow 25159.3$ | 183122.1 | S |
| 81.875 | 0.0000 | 0.0000 | 83.580 | 0.06459 | 0.00000 | 319537.6 | 125161.2 | 183122.1 | S |
| 81.883 | 0.0000 | 0.0000 | 83.579 | 0.06457 | 0.00000 | 319537.6 | 125163.1 | 183122.1 | S |
| 81.892 | 0.0000 | 0.0000 | 83.579 | 0.06456 | 0.00000 | 319537.6 | 125165.1 | 183122.1 | S |
| 81.900 | 0.0000 | 0.0000 | 83.579 | 0.06455 | 0.00000 | 319537.6 | 125167.0 | 183122.1 | S |
| 81.908 | 0.0000 | 0.0000 | 83.579 | 0.06454 | 0.00000 | 319537.6 | 125168.9 | 183122.1 | S |
| 81.917 | 0.0000 | 0.0000 | 83.578 | 0.06453 | 0.00000 | 319537.6 | 125170.9 | 183122.1 | S |
| 81.925 | 0.0000 | 0.0000 | 83.578 | 0.06452 | 0.00000 | 319537.6 | 125172.8 | 183122.1 | S |
| 81.933 | 0.0000 | 0.0000 | 83.578 | 0.06451 | 0.00000 | 319537.6 | 125174.7 | 183122.1 | S |
| 81.942 | 0.0000 | 0.0000 | 83.578 | 0.06449 | 0.00000 | 319537.6 | 125176.7 | 183122.1 | S |
| 81.950 | 0.0000 | 0.0000 | 83.578 | 0.06448 | 0.00000 | 319537.6 | \$25178.6 | 183122.1 | S |
| 81.958 | 0.0000 | 0.0000 | 83.577 | 0.06447 | 0.00000 | 319537.6 | 125180.5 | 183122.1 | S |
| 81.967 | 0.0000 | 0.0000 | 83.577 | 0.06446 | 0.00000 | 319537.6 | 125182.5 | 183122.1 | S |
| 81.975 | 0.0000 | 0.0000 | 83.577 | 0.06445 | 0.00000 | 319537.6 | 125184.4 | 183122.1 | S |
| 81.983 | 0.0000 | 0.0000 | 83.577 | 0.06444 | 0.00000 | 319537.6 | 125186.3 | 183122.1 | S |
| 81.992 | 0.0000 | 0.0000 | 83.576 | 0.06443 | 0.00000 | 319537.6 | 125188.3 | 183122.1 | S |
| 82.000 | 0.0000 | 0.0000 | 83.576 | 0.06441 | 0.00000 | 319537.6 | 125190.2 | 183122.1 | S |
| 82.008 | 0.0000 | 0.0000 | 83.576 | 0.06440 | 0.00000 | 319537.6 | 125192.1 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario $1::$ pond10 100 yr $/ 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation ( fl datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\AA^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 82.017 | 0.0000 | 0.0000 | 83.576 | 0.06439 | 0.00000 | 319537.6 | 125194.1 | 183122.1 | S |
| 82.025 | 0.0000 | 0.0000 | 83.575 | 0.06438 | 0.00000 | 319537.6 | 125196.0 | 183122.1 | S |
| 82.033 | 0.0000 | 0.0000 | 83.575 | 0.06437 | 0.00000 | 319537.6 | 125197.9 | 183122.1 | S |
| 82.042 | 0.0000 | 0.0000 | 83.575 | 0.06436 | 0.00000 | 319537.6 | 125199.9 | 183122.1 | S |
| 82.050 | 0.0000 | 0.0000 | 83.575 | 0.06435 | 0.00000 | 319537.6 | 125201.8 | 183122.1 | S |
| 82.058 | 0.0000 | 0.0000 | 83.575 | 0.06433 | 0.00000 | 319537.6 | 125203.7 | 183122.1 | S |
| 82.067 | 0.0000 | 0.0000 | 83.574 | 0.06432 | 0.00000 | 319537.6 | 125205.7 | 183122.1 | S |
| 82.075 | 0.0000 | 0.0000 | 83.574 | 0.06431 | 0.00000 | 319537.6 | 125207.6 | 183122.1 | S |
| 82.083 | 0.0000 | 0.0000 | 83.574 | 0.06430 | 0.00000 | 319537.6 | 125209.5 | 183122.1 | S |
| 82.092 | 0.0000 | 0.0000 | 83.574 | 0.06429 | 0.00000 | 319537.6 | 125211.4 | 183122.1 | S |
| 82.100 | 0.0000 | 0.0000 | 83.573 | 0.06428 | 0.00000 | 319537.6 | 125213.4 | 183122.1 | S |
| 82.108 | 0.0000 | 0.0000 | 83.573 | 0.06426 | 0.00000 | 319537.6 | 125215.3 | 183122.1 | S |
| 82.117 | 0.0000 | 0.0000 | 83.573 | 0.06425 | 0.00000 | 319537.6 | 125217.2 | 183122.1 | S |
| 82.125 | 0.0000 | 0.0000 | 83.573 | 0.06424 | 0.00000 | 319537.6 | 125219.2 | 183122.1 | S |
| 82.133 | 0.0000 | 0.0000 | 83.573 | 0.06423 | 0.00000 | 319537.6 | 125221.1 | 183122.1 | S |
| 82.142 | 0.0000 | 0.0000 | 83.572 | 0.06422 | 0.00000 | 319537.6 | 125223.0 | 183122.1 | S |
| 82.150 | 0.0000 | 0.0000 | 83.572 | 0.06421 | 0.00000 | 319537.6 | 125224.9 | 183122.1 | S |
| 82.158 | 0.0000 | 0.0000 | 83.572 | 0.06420 | 0.00000 | 319537.6 | 125226.9 | 183122.1 | S |
| 82.167 | 0.0000 | 0.0000 | 83.572 | 0.06418 | 0.00000 | 319537.6 | 125228.8 | 183122.1 | S |
| 82.175 | 0.0000 | 0.0000 | 83.571 | 0.06417 | 0.00000 | 319537.6 | 125230.7 | 183122.1 | S |
| 82.183 | 0.0000 | 0.0000 | 83.571 | 0.06416 | 0.00000 | 319537.6 | 125232.6 | 183122.1 | S |
| 82.192 | 0.0000 | 0.0000 | 83.571 | 0.06415 | 0.00000 | 319537.6 | 125234.6 | 183122.1 | S |
| 82.200 | 0.0000 | 0.0000 | 83.571 | 0.06414 | 0.00000 | 319537.6 | 125236.5 | 183122.1 | S |
| 82.208 | 0.0000 | 0.0000 | 83.571 | 0.06413 | 0.00000 | 319537.6 | 125238.4 | 183122.1 | S |
| 82.217 | 0.0000 | 0.0000 | 83.570 | 0.06412 | 0.00000 | 319537.6 | 125240.3 | 183122.1 | S |
| 82.225 | 0.0000 | 0.0000 | 83.570 | 0.06411 | 0.00000 | 319537.6 | 125242.3 | 183122.1 | S |
| 82.233 | 0.0000 | 0.0000 | 83.570 | 0.06409 | 0.00000 | 319537.6 | 125244.2 | 183122.1 | S |
| 82.242 | 0.0000 | 0.0000 | 83.570 | 0.06408 | 0.00000 | 319537.6 | 125246.1 | 183122.1 | S |
| 82.250 | 0.0000 | 0.0000 | 83.569 | 0.06407 | 0.00000 | 319537.6 | 125248.0 | 183122.1 | S |
| 82.258 | 0.0000 | 0.0000 | 83.569 | 0.06406 | 0.00000 | 319537.6 | 125250.0 | 183122.1 | S |
| 82.267 | 0.0000 | 0.0000 | 83.569 | 0.06405 | 0.00000 | 319537.6 | 125251.9 | 183122.1 | S |
| 82.275 | 0.0000 | 0.0000 | 83.569 | 0.06404 | 0.00000 | 319537.6 | 125253.8 | 183122.1 | S |
| 82.283 | 0.0000 | 0.0000 | 83.569 | 0.06403 | 0.00000 | 319537.6 | 125255.7 | 183122.1 | S |
| 82.292 | 0.0000 | 0.0000 | 83.568 | 0.06401 | 0.00000 | 319537.6 | 125257.6 | 183122.1 | S |
| 82.300 | 0.0000 | 0.0000 | 83.568 | 0.06400 | 0.00000 | 319537.6 | 125259.6 | 183122.1 | S |
| 82.308 | 0.0000 | 0.0000 | 83.568 | 0.06399 | 0.00000 | 319537.6 | 125261.5 | 183122.1 | S |
| 82.317 | 0.0000 | 0.0000 | 83.568 | 0.06398 | 0.00000 | 319537.6 | 125263.4 | 183122.1 | S |
| 82.325 | 0.0000 | 0.0000 | 83.567 | 0.06397 | 0.00000 | 319537.6 | 125265.3 | 183122.1 | S |
| 82.333 | 0.0000 | 0.0000 | 83.567 | 0.06396 | 0.00000 | 319537.6 | 125267.2 | 183122.1 | S |
| 82.342 | 0.0000 | 0.0000 | 83.567 | 0.06395 | 0.00000 | 319537.6 | 125269.1 | 183122.1 | S |
| 82.350 | 0.0000 | 0.0000 | 83.567 | 0.06393 | 0.00000 | 319537.6 | 125271.1 | 183122.1 | S |
| 82.358 | 0.0000 | 0.0000 | 83.566 | 0.06392 | 0.00000 | 319537.6 | 125273.0 | 183122.1 | S |
| 82.367 | 0.0000 | 0.0000 | 83.566 | 0.06391 | 0.00000 | 319537.6 | 125274.9 | 183122.1 | S |
| 82.375 | 0.0000 | 0.0000 | 83.566 | 0.06390 | 0.00000 | 319537.6 | 125276.8 | 183122.1 | S |
| 82.383 | 0.0000 | 0.0000 | 83.566 | 0.06389 | 0.00000 | 319537.6 | 125278.7 | 183122.1 | S |
| 82.392 | 0.0000 | 0.0000 | 83.566 | 0.06388 | 0.00000 | 319537.6 | 125280.7 | 183122.1 | S |
| 82.400 | 0.0000 | 0.0000 | 83.565 | 0.06387 | 0.00000 | 319537.6 | 125282.6 | 183122.1 | S |
| 82.408 | 0.0000 | 0.0000 | 83.565 | 0.06386 | 0.00000 | 319537.6 | 125284.5 | 183122.1 | S |
| 82.417 | 0.0000 | 0.0000 | 83.565 | 0.06384 | 0.00000 | 319537.6 | 125286.4 | 183122.1 | S |
| 82.425 | 0.0000 | 0.0000 | 83.565 | 0.06383 | 0.00000 | 319537.6 | 125288.3 | 183122.1 | S |
| 82.433 | 0.0000 | 0.0000 | 83.564 | 0.06382 | 0.00000 | 319537.6 | 125290.2 | 183122.1 | S |
| 82.442 | 0.0000 | 0.0000 | 83.564 | 0.06381 | 0.00000 | 319537.6 | 125292.1 | 183122.1 | S |
| 82.450 | 0.0000 | 0.0000 | 83.564 | 0.06380 | 0.00000 | 319537.6 | 125294.1 | 183122.1 | S |
| 82.458 | 0.0000 | 0.0000 | 83.564 | 0.06379 | 0.00000 | 319537.6 | 125296.0 | 183122.1 | S |
| 82.467 | 0.0000 | 0.0000 | 83.564 | 0.06378 | 0.00000 | 319537.6 | 125297.9 | 183122.1 | S |
| 82.475 | 0.0000 | 0.0000 | 83.563 | 0.06376 | 0.00000 | 319537.6 | 125299.8 | 183122.1 | S |
| 82.483 | 0.0000 | 0.0000 | 83.563 | 0.06375 | 0.00000 | 319537.6 | 125301.7 | 183122.1 | S |
| 82.492 | 0.0000 | 0.0000 | 83.563 | 0.06374 | 0.00000 | 319537.6 | 125303.6 | 183122.1 | S |
| 82.500 | 0.0000 | 0.0000 | 83.563 | 0.06373 | 0.00000 | 319537.6 | 125305.5 | 183122.1 | S |
| 82.508 | 0.0000 | 0.0000 | 83.562 | 0.06372 | 0.00000 | 319537.6 | 125307.5 | 183122.1 | S |
| 82.517 | 0.0000 | 0.0000 | 83.562 | 0.06371 | 0.00000 | 319537.6 | 125309.4 | 183122.1 | S |
| 82.525 | 0.0000 | 0.0000 | 83.562 | 0.06370 | 0.00000 | 319537.6 | 125311.3 | 183122.1 | S |
| 82.533 | 0.0000 | 0.0000 | 83.562 | 0.06369 | 0.00000 | 319537.6 | 125313.2 | 183122.1 | S |
| 82.542 | 0.0000 | 0.0000 | 83.562 | 0.06367 | 0.00000 | 319537.6 | 125315.1 | 183122.1 | S |
| 82.550 | 0.0000 | 0.0000 | 83.561 | 0.06366 | 0.00000 | 319537.6 | 125317.0 | 183122.1 | S |
| 82.558 | 0.0000 | 0.0000 | 83.561 | 0.06365 | 0.00000 | 319537.6 | 125318.9 | 183122.1 | S |
| 82.567 | 0.0000 | 0.0000 | 83.561 | 0.06364 | 0.00000 | 319537.6 | 125320.8 | 183122.1 | S |
| 82.575 | 0.0000 | 0.0000 | 83.561 | 0.06363 | 0.00000 | 319537.6 | 125322.7 | 183122.1 | S |
| 82.583 | 0.0000 | 0.0000 | 83.560 | 0.06362 | 0.00000 | 319537.6 | 125324.6 | 183122.1 | S |
| 82.592 | 0.0000 | 0.0000 | 83.560 | 0.06361 | 0.00000 | 319537.6 | 125326.5 | 183122.1 | S |
| 82.600 | 0.0000 | 0.0000 | 83.560 | 0.06360 | 0.00000 | 319537.6 | 125328.5 | 183122.1 | S |
| 82.608 | 0.0000 | 0.0000 | 83.560 | 0.06358 | 0.00000 | 319537.6 | 125330.4 | 183122.1 | S |
| 82.617 | 0.0000 | 0.0000 | 83.560 | 0.06357 | 0.00000 | 319537.6 | 125332.3 | 183122.1 | S |
| 82.625 | 0.0000 | 0.0000 | 83.559 | 0.06356 | 0.00000 | 319537.6 | 125334.2 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/ overflow

| Ełapsed Time (hours) | Inflow Rate (fis/s) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overfow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 82.633 | 0.0000 | 0.0000 | 83.559 | 0.06355 | 0.00000 | 319537.6 | 125336.1 | 183122.1 | S |
| 82.642 | 0.0000 | 0.0000 | 83.559 | 0.06354 | 0.00000 | 319537.6 | 125338.0 | \$83122.1 | S |
| 82.650 | 0.0000 | 0.0000 | 83.559 | 0.06353 | 0.00000 | 319537.6 | \$25339.9 | 183122.1 | S |
| 82.658 | 0.0000 | 0.0000 | 83.558 | 0.06352 | 0.00000 | 319537.6 | 125341.8 | 183122.1 | S |
| 82.667 | 0.0000 | 0.0000 | 83.558 | 0.06351 | 0.00000 | 319537.6 | 125343.7 | 183122.1 | S |
| 82.675 | 0.0000 | 0.0000 | 83.558 | 0.06349 | 0.00000 | 319537.6 | 125345.6 | 183122.1 | S |
| 82.683 | 0.0000 | 0.0000 | 83.558 | 0.06348 | 0.00000 | 319537.6 | 125347.5 | 183122.1 | S |
| 82.692 | 0.0000 | 0.0000 | 83.558 | 0.06347 | 0.00000 | 319537.6 | 125349.4 | 183122.1 | S |
| 82.700 | 0.0000 | 0.0000 | 83.557 | 0.06346 | 0.00000 | 319537.6 | 125351.3 | 183122.1 | S |
| 82.708 | 0.0000 | 0.0000 | 83.557 | 0.06345 | 0.00000 | 319537.6 | 125353.2 | 183122.1 | S |
| 82.717 | 0.0000 | 0.0000 | 83.557 | 0.06344 | 0.00000 | 319537.6 | 125355.1 | 183122.1 | S |
| 82.725 | 0.0000 | 0.0000 | 83.557 | 0.06343 | 0.00000 | 319537.6 | 125357.0 | 183122.1 | S |
| 82.733 | 0.0000 | 0.0000 | 83.556 | 0.06342 | 0.00000 | 319537.6 | 125358.9 | 183122.1 | S |
| 82.742 | 0.0000 | 0.0000 | 83.556 | 0.06340 | 0.00000 | 319537.6 | 125360.8 | 183122.1 | S |
| 82.750 | 0.0000 | 0.0000 | 83.556 | 0.06339 | 0.00000 | 319537.6 | 125362.7 | 183122.1 | S |
| 82.758 | 0.0000 | 0.0000 | 83.556 | 0.06338 | 0.00000 | 319537.6 | 125364.6 | 183122.1 | S |
| 82.767 | 0.0000 | 0.0000 | 83.556 | 0.06337 | 0.00000 | 319537.6 | 125366.5 | 183122.1 | S |
| 82.775 | 0.0000 | 0.0000 | 83.555 | 0.06336 | 0.00000 | 319537.6 | 125368.4 | 183122.1 | S |
| 82.783 | 0.0000 | 0.0000 | 83.555 | 0.06335 | 0.00000 | 319537.6 | 125370.4 | 183122.1 | S |
| 82.792 | 0.0000 | 0.0000 | 83.555 | 0.06334 | 0.00000 | 319537.6 | 125372.3 | 183122.1 | S |
| 82.800 | 0.0000 | 0.0000 | 83.555 | 0.06333 | 0.00000 | 319537.6 | 125374.1 | 183122.1 | S |
| 82.808 | 0.0000 | 0.0000 | 83.554 | 0.06331 | 0.00000 | 319537.6 | 125376.0 | 183122.1 | S |
| 82.817 | 0.0000 | 0.0000 | 83.554 | 0.06330 | 0.00000 | 319537.6 | 125377.9 | 183122.1 | S |
| 82.825 | 0.0000 | 0.0000 | 83.554 | 0.06329 | 0.00000 | 319537.6 | 125379.8 | 183122.1 | S |
| 82.833 | 0.0000 | 0.0000 | 83.554 | 0.06328 | 0.00000 | 319537.6 | 125381.7 | 183122.1 | S |
| 82.842 | 0.0000 | 0.0000 | 83.554 | 0.06327 | 0.00000 | 319537.6 | 125383.6 | 183122.1 | S |
| 82.850 | 0.0000 | 0.0000 | 83.553 | 0.06326 | 0.00000 | 319537.6 | 125385.5 | 183122.1 | S |
| 82.858 | 0.0000 | 0.0000 | 83.553 | 0.06325 | 0.00000 | 319537.6 | 125387.4 | 183122.1 | S |
| 82.867 | 0.0000 | 0.0000 | 83.553 | 0.06324 | 0.00000 | 319537.6 | 125389.3 | 183122.1 | S |
| 82.875 | 0.0000 | 0.0000 | 83.553 | 0.06323 | 0.00000 | 319537.6 | 125391.2 | 183122.1 | S |
| 82.883 | 0.0000 | 0.0000 | 83.552 | 0.06321 | 0.00000 | 319537.6 | 125393.1 | 183122.4 | S |
| 82.892 | 0.0000 | 0.0000 | 83.552 | 0.06320 | 0.00000 | 319537.6 | 125395.0 | 183122.1 | S |
| 82.900 | 0.0000 | 0.0000 | 83.552 | 0.06319 | 0.00000 | 319537.6 | 125396.9 | 183122.1 | S |
| 82.908 | 0.0000 | 0.0000 | 83.552 | 0.06318 | 0.00000 | 319537.6 | 125398.8 | 183122.1 | S |
| 82.917 | 0.0000 | 0.0000 | 83.552 | 0.06317 | 0.00000 | 319537.6 | 125400.7 | 183122.1 | S |
| 82.925 | 0.0000 | 0.0000 | 83.551 | 0.06316 | 0.00000 | 319537.6 | 125402.6 | 183122.1 | S |
| 82.933 | 0.0000 | 0.0000 | 83.551 | 0.06315 | 0.00000 | 319537.6 | 125404.5 | 183122.1 | S |
| 82.942 | 0.0000 | 0.0000 | 83.551 | 0.06314 | 0.00000 | 319537.6 | 125406.4 | 183122.1 | S |
| 82.950 | 0.0000 | 0.0000 | 83.551 | 0.06313 | 0.00000 | 319537.6 | 125408.3 | 183122.1 | S |
| 82.958 | 0.0000 | 0.0000 | 83.550 | 0.06311 | 0.00000 | 319537.6 | 125410.2 | 183122.1 | S |
| 82.967 | 0.0000 | 0.0000 | 83.550 | 0.06310 | 0.00000 | 319537.6 | 125412.1 | 183122.1 | S |
| 82.975 | 0.0000 | 0.0000 | 83.550 | 0.06309 | 0.00000 | 319537.6 | 125414.0 | 183122.1 | S |
| 82.983 | 0.0000 | 0.0000 | 83.550 | 0.06308 | 0.00000 | 319537.6 | 125415.9 | 183122.1 | S |
| 82.992 | 0.0000 | 0.0000 | 83.549 | 0.06307 | 0.00000 | 319537.6 | 125417.8 | 183122.1 | S |
| 83.000 | 0.0000 | 0.0000 | 83.549 | 0.06306 | 0.00000 | 319537.6 | 125419.6 | 183122.1 | S |
| 83.008 | 0.0000 | 0.0000 | 83.549 | 0.06305 | 0.00000 | 319537.6 | 125421.5 | 183122.1 | S |
| 83.017 | 0.0000 | 0.0000 | 83.549 | 0.06304 | 0.00000 | 319537.6 | 125423.4 | 183122.1 | S |
| 83.025 | 0.0000 | 0.0000 | 83.549 | 0.06302 | 0.00000 | 319537.6 | 125425.3 | 183122.1 | S |
| 83.033 | 0.0000 | 0.0000 | 83.548 | 0.06301 | 0.00000 | 319537.6 | 125427.2 | 183122.1 | S |
| 83.042 | 0.0000 | 0.0000 | 83.548 | 0.06300 | 0.00000 | 319537.6 | 125429.1 | 183122.1 | S |
| 83.050 | 0.0000 | 0.0000 | 83.548 | 0.06299 | 0.00000 | 319537.6 | 125431.0 | 183122.1 | S |
| 83.058 | 0.0000 | 0.0000 | 83.548 | 0.06298 | 0.00000 | 319537.6 | 125432.9 | 183122.1 | S |
| 83.067 | 0.0000 | 0.0000 | 83.547 | 0.06297 | 0.00000 | 319537.6 | 125434.8 | 183122.1 | S |
| 83.075 | 0.0000 | 0.0000 | 83.547 | 0.06296 | 0.00000 | 319537.6 | 125436.7 | 183122.1 | S |
| 83.083 | 0.0000 | 0.0000 | 83.547 | 0.06295 | 0.00000 | 319537.6 | 125438.5 | 183122.1 | S |
| 83.092 | 0.0000 | 0.0000 | 83.547 | 0.06294 | 0.00000 | 319537.6 | 125440.4 | 183122.1 | S |
| 83.100 | 0.0000 | 0.0000 | 83.547 | 0.06293 | 0.00000 | 319537.6 | 125442.3 | \$83122.1 | S |
| 83.108 | 0.0000 | 0.0000 | 83.546 | 0.06291 | 0.00000 | 319537.6 | 125444.2 | 183122.1 | S |
| 83.117 | 0.0000 | 0.0000 | 83.546 | 0.06290 | 0.00000 | 319537.6 | 125446.1 | 183122.1 | S |
| 83.125 | 0.0000 | 0.0000 | 83.546 | 0.06289 | 0.00000 | 319537.6 | 125448.0 | 183122.1 | S |
| 83.133 | 0.0000 | 0.0000 | 83.546 | 0.06288 | 0.00000 | 319537.6 | 125449.9 | 183122.1 | S |
| 83.142 | 0.0000 | 0.0000 | 83.545 | 0.06287 | 0.00000 | 319537.6 | 125451.8 | 183122.1 | S |
| 83.150 | 0.0000 | 0.0000 | 83.545 | 0.06286 | 0.00000 | 319537.6 | 125453.6 | 183122.1 | S |
| 83.158 | 0.0000 | 0.0000 | 83.545 | 0.06285 | 0.00000 | 319537.6 | 125455.5 | 183122.1 | S |
| 83.167 | 0.0000 | 0.0000 | 83.545 | 0.06284 | 0.00000 | 319537.6 | 125457.4 | 183122.1 | S |
| 83.175 | 0.0000 | 0.0000 | 83.545 | 0.06283 | 0.00000 | 319537.6 | 125459.3 | 183122.1 | S |
| 83.183 | 0.0000 | 0.0000 | 83.544 | 0.06281 | 0.00000 | 319537.6 | 125461.2 | 183122.1 | S |
| 83.192 | 0.0000 | 0.0000 | 83.544 | 0.06280 | 0.00000 | 319537.6 | 125463.1 | 183122.1 | S |
| 83.200 | 0.0000 | 0.0000 | 83.544 | 0.06279 | 0.00000 | 319537.6 | 125465.0 | 183122.1 | S |
| 83.208 | 0.0000 | 0.0000 | 83.544 | 0.06278 | 0.00000 | 319537.6 | 125466.8 | 183122.1 | S |
| 83.217 | 0.0000 | 0.0000 | 83.544 | 0.06277 | 0.00000 | 319537.6 | 125468.7 | 183122.1 | S |
| 83.225 | 0.0000 | 0.0000 | 83.543 | 0.06276 | 0.00000 | 319537.6 | 125470.6 | $183 \ddagger 22.1$ | S |
| 83.233 | 0.0000 | 0.0000 | 83.543 | 0.06275 | 0.00000 | 319537.6 | 125472.5 | 183122.1 | S |
| 83.242 | 0.0000 | 0.0000 | 83.543 | 0.06274 | 0.00000 | 319537.6 | 125474.4 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate (f $\mathrm{f}^{3 / \mathrm{s}}$ ) | Outside Recharge (flday) | Stage Elevation (ft daturn) | Infiltration Rate (ft ${ }^{3 / \mathrm{s}}$ ) | Overfiow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume (ft ${ }^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 83.250 | 0.0000 | 0.0000 | 83.543 | 0.06273 | 0.00000 | 319537.6 | 125476.3 | 183122.1 | S |
| 83.258 | 0.0000 | 0.0000 | 83.542 | 0.06272 | 0.00000 | 319537.6 | 125478.1 | 183122.1 | S |
| 83.267 | 0.0000 | 0.0000 | 83.542 | 0.06270 | 0.00000 | 319537.6 | 125480.0 | 183122.1 | S |
| 83.275 | 0.0000 | 0.0000 | 83.542 | 0.06269 | 0.00000 | 319537.6 | 125481.9 | 183122.1 | S |
| 83.283 | 0.0000 | 0.0000 | 83.542 | 0.06268 | 0.00000 | 319537.6 | 125483.8 | 183122.1 | S |
| 83.292 | 0.0000 | 0.0000 | 83.542 | 0.06267 | 0.00000 | 319537.6 | 125485.7 | 183122.1 | S |
| 83.300 | 0.0000 | 0.0000 | 83.541 | 0.06266 | 0.00000 | 319537.6 | 125487.5 | 183122.1 | S |
| 83.308 | 0.0000 | 0.0000 | 83.541 | 0.06265 | 0.00000 | 319537.6 | 125489.4 | 183122.1 | S |
| 83.317 | 0.0000 | 0.0000 | 83.541 | 0.06264 | 0.00000 | 319537.6 | 125491.3 | 183122.1 | S |
| 83.325 | 0.0000 | 0.0000 | 83.541 | 0.06263 | 0.00000 | 319537.6 | 125493.2 | 183122.1 | S |
| 83.333 | 0.0000 | 0.0000 | 83.540 | 0.06262 | 0.00000 | 319537.6 | 125495.1 | 183122.1 | S |
| 83.342 | 0.0000 | 0.0000 | 83.540 | 0.06261 | 0.00000 | 319537.6 | \$25496.9 | 183122.1 | S |
| 83.350 | 0.0000 | 0.0000 | 83.540 | 0.06259 | 0.00000 | 319537.6 | 125498.8 | 183122.1 | S |
| 83.358 | 0.0000 | 0.0000 | 83.540 | 0.06258 | 0.00000 | 319537.6 | 125500.7 | 183122.1 | S |
| 83.367 | 0.0000 | 0.0000 | 83.540 | 0.06257 | 0.00000 | 319537.6 | 125502.6 | 183122.1 | S |
| 83.375 | 0.0000 | 0.0000 | 83.539 | 0.06256 | 0.00000 | 319537.6 | 125504.4 | 183122.1 | S |
| 83.383 | 0.0000 | 0.0000 | 83.539 | 0.06255 | 0.00000 | 319537.6 | 125506.3 | 183122.1 | S |
| 83.392 | 0.0000 | 0.0000 | 83.539 | 0.06254 | 0.00000 | 319537.6 | 125508.2 | 183122.1 | S |
| 83.400 | 0.0000 | 0.0000 | 83.539 | 0.06253 | 0.00000 | 319537.6 | 125510.1 | 183122.1 | S |
| 83.408 | 0.0000 | 0.0000 | 83.538 | 0.06252 | 0.00000 | 319537.6 | 125511.9 | 183122.1 | S |
| 83.417 | 0.0000 | 0.0000 | 83.538 | 0.06251 | 0.00000 | 319537.6 | 125513.8 | 183122.1 | S |
| 83.425 | 0.0000 | 0.0000 | 83.538 | 0.06250 | 0.00000 | 319537.6 | 125515.7 | 183122.1 | S |
| 83.433 | 0.0000 | 0.0000 | 83.538 | 0.06248 | 0.00000 | 319537.6 | 125517.6 | 183122.1 | S |
| 83.442 | 0.0000 | 0.0000 | 83.538 | 0.06247 | 0.00000 | 319537.6 | 125519.4 | 183 亿22.1 | S |
| 83.450 | 0.0000 | 0.0000 | 83.537 | 0.06246 | 0.00000 | 319537.6 | 125521.3 | 183122.1 | S |
| 83.458 | 0.0000 | 0.0000 | 83.537 | 0.06245 | 0.00000 | 319537.6 | 125523.2 | 183122.1 | S |
| 83.467 | 0.0000 | 0.0000 | 83.537 | 0.06244 | 0.00000 | 319537.6 | 125525.1 | 183122.1 | S |
| 83.475 | 0.0000 | 0.0000 | 83.537 | 0.06243 | 0.00000 | 319537.6 | 125526.9 | 183122.1 | S |
| 83.483 | 0.0000 | 0.0000 | 83.536 | 0.06242 | 0.00000 | 319537.6 | 125528.8 | 183122.1 | S |
| 83.492 | 0.0000 | 0.0000 | 83.536 | 0.06241 | 0.00000 | 319537.6 | 125530.7 | 183122.1 | S |
| 83.500 | 0.0000 | 0.0000 | 83.536 | 0.06240 | 0.00000 | 319537.6 | 125532.6 | 183122.1 | S |
| 83.508 | 0.0000 | 0.0000 | 83.536 | 0.06239 | 0.00000 | 319537.6 | 125534.4 | 183122.1 | S |
| 83.517 | 0.0000 | 0.0000 | 83.536 | 0.06237 | 0.00000 | 319537.6 | 125536.3 | 183122.1 | S |
| 83.525 | 0.0000 | 0.0000 | 83.535 | 0.06236 | 0.00000 | 319537.6 | 125538.2 | 183122.1 | S |
| 83.533 | 0.0000 | 0.0000 | 83.535 | 0.06235 | 0.00000 | 319537.6 | 125540.0 | 183122.1 | S |
| 83.542 | 0.0000 | 0.0000 | 83.535 | 0.06234 | 0.00000 | 319537.6 | 125541.9 | 183122.1 | S |
| 83.550 | 0.0000 | 0.0000 | 83.535 | 0.06233 | 0.00000 | 319537.6 | 125543.8 | 183122.1 | S |
| 83.558 | 0.0000 | 0.0000 | 83.534 | 0.06232 | 0.00000 | 319537.6 | 125545.6 | 183122.1 | S |
| 83.567 | 0.0000 | 0.0000 | 83.534 | 0.06231 | 0.00000 | 319537.6 | 125547.5 | 183122.1 | S |
| 83.575 | 0.0000 | 0.0000 | 83.534 | 0.06230 | 0.00000 | 319537.6 | 125549.4 | 183122.1 | S |
| 83.583 | 0.0000 | 0.0000 | 83.534 | 0.06229 | 0.00000 | 319537.6 | 125551.3 | 183122.1 | S |
| 83.592 | 0.0000 | 0.0000 | 83.534 | 0.06228 | 0.00000 | 319537.6 | 125553.1 | 183122.1 | S |
| 83.600 | 0.0000 | 0.0000 | 83.533 | 0.06227 | 0.00000 | 319537.6 | 125555.0 | 183122.1 | S |
| 83.608 | 0.0000 | 0.0000 | 83.533 | 0.06225 | 0.00000 | 319537.6 | 125556.9 | 183122.1 | S |
| 83.617 | 0.0000 | 0.0000 | 83.533 | 0.06224 | 0.00000 | 319537.6 | 125558.7 | 183122.1 | S |
| 83.625 | 0.0000 | 0.0000 | 83.533 | 0.06223 | 0.00000 | 319537.6 | 125560.6 | 183122.1 | S |
| 83.633 | 0.0000 | 0.0000 | 83.532 | 0.06222 | 0.00000 | 319537.6 | 125562.5 | 183122.1 | S |
| 83.642 | 0.0000 | 0.0000 | 83.532 | 0.06221 | 0.00000 | 319537.6 | 125564.3 | 183122.1 | S |
| 83.650 | 0.0000 | 0.0000 | 83.532 | 0.06220 | 0.00000 | 319537.6 | 125566.2 | 183122.1 | S |
| 83.658 | 0.0000 | 0.0000 | 83.532 | 0.06219 | 0.00000 | 319537.6 | 125568.1 | 183122.1 | S |
| 83.667 | 0.0000 | 0.0000 | 83.532 | 0.06218 | 0.00000 | 319537.6 | 125569.9 | 183122.1 | S |
| 83.675 | 0.0000 | 0.0000 | 83.531 | 0.06217 | 0.00000 | 319537.6 | 125571.8 | 183122.1 | S |
| 83.683 | 0.0000 | 0.0000 | 83.531 | 0.06216 | 0.00000 | 319537.6 | 125573.7 | 183122.1 | S |
| 83.692 | 0.0000 | 0.0000 | 83.531 | 0.06215 | 0.00000 | 319537.6 | 125575.5 | 183122.1 | S |
| 83.700 | 0.0000 | 0.0000 | 83.531 | 0.06214 | 0.00000 | 319537.6 | 125577.4 | 183122.1 | S |
| 83.708 | 0.0000 | 0.0000 | 83.530 | 0.06212 | 0.00000 | 319537.6 | 125579.3 | 183122.1 | S |
| 83.717 | 0.0000 | 0.0000 | 83.530 | 0.06211 | 0.00000 | 319537.6 | 125581.1 | 183122.1 | S |
| 83.725 | 0.0000 | 0.0000 | 83.530 | 0.06210 | 0.00000 | 319537.6 | 125583.0 | 183122.1 | S |
| 83.733 | 0.0000 | 0.0000 | 83.530 | 0.06209 | 0.00000 | 319537.6 | 125584.8 | 183122.1 | S |
| 83.742 | 0.0000 | 0.0000 | 83.530 | 0.06208 | 0.00000 | 319537.6 | 125586.7 | 183122.1 | S |
| 83.750 | 0.0000 | 0.0000 | 83.529 | 0.06207 | 0.00000 | 319537.6 | 125588.6 | 183122.1 | S |
| 83.758 | 0.0000 | 0.0000 | 83.529 | 0.06206 | 0.00000 | 319537.6 | 125590.4 | 183122.1 | S |
| 83.767 | 0.0000 | 0.0000 | 83.529 | 0.06205 | 0.00000 | 319537.6 | 125592.3 | 183122.1 | S |
| 83.775 | 0.0000 | 0.0000 | 83.529 | 0.06204 | 0.00000 | 319537.6 | 125594.1 | 183122.1 | S |
| 83.783 | 0.0000 | 0.0000 | 83.528 | 0.06203 | 0.00000 | 319537.6 | 125596.0 | 183122.1 | S |
| 83.792 | 0.0000 | 0.0000 | 83.528 | 0.06202 | 0.00000 | 319537.6 | 125597.9 | 183122.1 | S |
| 83.800 | 0.0000 | 0.0000 | 83.528 | 0.06200 | 0.00000 | 319537.6 | 125599.7 | 183122.1 | S |
| 83.808 | 0.0000 | 0.0000 | 83.528 | 0.06199 | 0.00000 | 319537.6 | 125601.6 | 183122.1 | S |
| 83.817 | 0.0000 | 0.0000 | 83.528 | 0.06198 | 0.00000 | 319537.6 | 125603.5 | 183122.1 | S |
| 83.825 | 0.0000 | 0.0000 | 83.527 | 0.06197 | 0.00000 | 319537.6 | 125605.3 | 183122.7 | S |
| 83.833 | 0.0000 | 0.0000 | 83.527 | 0.06196 | 0.00000 | 319537.6 | 125607.2 | 183122.1 | S |
| 83.842 | 0.0000 | 0.0000 | 83.527 | 0.06195 | 0.00000 | 319537.6 | 125609.0 | 183122.1 | S |
| 83.850 | 0.0000 | 0.0000 | 83.527 | 0.06194 | 0.00000 | 319537.6 | 125610.9 | 183122.1 | S |
| 83.858 | 0.0000 | 0.0000 | 83.527 | 0.06193 | 0.00000 | 319537.6 | 125612.7 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate <br> ( $\mathrm{fl}^{3 / \mathrm{s}}$ ) | Outside Recharge (fU/day) | Stage Elevation ( f datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{t}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{fl}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 83.867 | 0.0000 | 0.0000 | 83.526 | 0.06192 | 0.00000 | 319537.6 | 125614.6 | 183122.1 | S |
| 83.875 | 0.0000 | 0.0000 | 83.526 | 0.06191 | 0.00000 | 319537.6 | 125616.5 | 183122.1 | S |
| 83.883 | 0.0000 | 0.0000 | 83.526 | 0.06190 | 0.00000 | 319537.6 | 125618.3 | 183122.1 | S |
| 83.892 | 0.0000 | 0.0000 | 83.526 | 0.06189 | 0.00000 | 319537.6 | 125620.2 | 183122.1 | S |
| 83.900 | 0.0000 | 0.0000 | 83.525 | 0.06188 | 0.00000 | 319537.6 | 125622.0 | 183122.1 | S |
| 83.908 | 0.0000 | 0.0000 | 83.525 | 0.06186 | 0.00000 | 319537.6 | 125623.9 | 183122.1 | S |
| 83.917 | 0.0000 | 0.0000 | 83.525 | 0.06185 | 0.00000 | 319537.6 | 125625.7 | 183122.1 | S |
| 83.925 | 0.0000 | 0.0000 | 83.525 | 0.06184 | 0.00000 | 319537.6 | 125627.6 | 183122.1 | S |
| 83.933 | 0.0000 | 0.0000 | 83.525 | 0.06183 | 0.00000 | 319537.6 | 125629.5 | 183122.1 | S |
| 83.942 | 0.0000 | 0.0000 | 83.524 | 0.06182 | 0.00000 | 319537.6 | 125631.3 | 183122.1 | S |
| 83.950 | 0.0000 | 0.0000 | 83.524 | 0.06181 | 0.00000 | 319537.6 | 125633.2 | 183122.1 | S |
| 83.958 | 0.0000 | 0.0000 | 83.524 | 0.06180 | 0.00000 | 319537.6 | 125635.0 | 183122.1 | S |
| 83.967 | 0.0000 | 0.0000 | 83.524 | 0.06179 | 0.00000 | 319537.6 | 125636.9 | 183122.1 | S |
| 83.975 | 0.0000 | 0.0000 | 83.523 | 0.06178 | 0.00000 | 319537.6 | 125638.7 | 183122.1 | S |
| 83.983 | 0.0000 | 0.0000 | 83.523 | 0.06177 | 0.00000 | 319537.6 | 125640.6 | 183122.1 | S |
| 83.992 | 0.0000 | 0.0000 | 83.523 | 0.06176 | 0.00000 | 319537.6 | 125642.4 | 183122.1 | S |
| 84.000 | 0.0000 | 0.0000 | 83.523 | 0.06175 | 0.00000 | 319537.6 | 125644.3 | 183122.1 | S |
| 84.008 | 0.0000 | 0.0000 | 83.523 | 0.06174 | 0.00000 | 319537.6 | 125646.1 | 183122.1 | S |
| 84.017 | 0.0000 | 0.0000 | 83.522 | 0.06172 | 0.00000 | 319537.6 | 125648.0 | 183122.1 | S |
| 84.025 | 0.0000 | 0.0000 | 83.522 | 0.06171 | 0.00000 | 319537.6 | 125649.8 | 183122.1 | S |
| 84.033 | 0.0000 | 0.0000 | 83.522 | 0.06170 | 0.00000 | 319537.6 | 125651.7 | 183122.1 | S |
| 84.042 | 0.0000 | 0.0000 | 83.522 | 0.06169 | 0.00000 | 319537.6 | 125653.5 | 183122.1 | S |
| 84.050 | 0.0000 | 0.0000 | 83.521 | 0.06168 | 0.00000 | 319537.6 | 125655.4 | 183122.1 | S |
| 84.058 | 0.0000 | 0.0000 | 83.521 | 0.06167 | 0.00000 | 319537.6 | 125657.2 | 183122.1 | S |
| 84.067 | 0.0000 | 0.0000 | 83.521 | 0.06166 | 0.00000 | 319537.6 | 125659.1 | 183122.1 | S |
| 84.075 | 0.0000 | 0.0000 | 83.521 | 0.06165 | 0.00000 | 319537.6 | 125660.9 | 183122.1 | S |
| 84.083 | 0.0000 | 0.0000 | 83.521 | 0.06164 | 0.00000 | 319537.6 | 125662.8 | 183122.1 | S |
| 84.092 | 0.0000 | 0.0000 | 83.520 | 0.06163 | 0.00000 | 319537.6 | 125664.6 | 183122.1 | S |
| 84.100 | 0.0000 | 0.0000 | 83.520 | 0.06162 | 0.00000 | 319537.6 | 125666.5 | 183122.1 | S |
| 84.108 | 0.0000 | 0.0000 | 83.520 | 0.06161 | 0.00000 | 319537.6 | 125668.3 | 183122.1 | S |
| 84.117 | 0.0000 | 0.0000 | 83.520 | 0.06160 | 0.00000 | 319537.6 | 125670.2 | 183122.1 | S |
| 84.125 | 0.0000 | 0.0000 | 83.519 | 0.06158 | 0.00000 | 319537.6 | 125672.0 | 183122.1 | S |
| 84.133 | 0.0000 | 0.0000 | 83.519 | 0.06157 | 0.00000 | 319537.6 | 125673.9 | 183122.1 | S |
| 84.142 | 0.0000 | 0.0000 | 83.519 | 0.06156 | 0.00000 | 319537.6 | 125675.7 | 183122.1 | S |
| 84.150 | 0.0000 | 0.0000 | 83.519 | 0.06155 | 0.00000 | 319537.6 | 125677.6 | 183122.1 | S |
| 84.158 | 0.0000 | 0.0000 | 83.519 | 0.06154 | 0.00000 | 319537.6 | 125679.4 | 183122.1 | S |
| 84.167 | 0.0000 | 0.0000 | 83.518 | 0.06153 | 0.00000 | 319537.6 | 125681.3 | 183122.1 | S |
| 84.175 | 0.0000 | 0.0000 | 83.518 | 0.06152 | 0.00000 | 319537.6 | 125683.1 | 183122.1 | S |
| 84.183 | 0.0000 | 0.0000 | 83.518 | 0.06151 | 0.00000 | 319537.6 | 125685.0 | 183122.1 | S |
| 84.192 | 0.0000 | 0.0000 | 83.518 | 0.06150 | 0.00000 | 319537.6 | 125686.8 | 183122.1 | S |
| 84.200 | 0.0000 | 0.0000 | 83.518 | 0.06149 | 0.00000 | 319537.6 | 125688.6 | 183122.1 | S |
| 84.208 | 0.0000 | 0.0000 | 83.517 | 0.06148 | 0,00000 | 319537.6 | 125690.5 | 183122.1 | S |
| 84.217 | 0.0000 | 0.0000 | 83.517 | 0.06147 | 0.00000 | 319537.6 | 125692.3 | 183122.1 | S |
| 84.225 | 0.0000 | 0.0000 | 83.517 | 0.06146 | 0.00000 | 319537.6 | 125694.2 | 183122.1 | S |
| 84.233 | 0.0000 | 0.0000 | 83.517 | 0.06145 | 0.00000 | 319537.6 | 125696.0 | 183122.1 | S |
| 84.242 | 0.0000 | 0.0000 | 83.516 | 0.06143 | 0.00000 | 319537.6 | 125697.9 | 183122.1 | S |
| 84.250 | 0.0000 | 0.0000 | 83.516 | 0.06142 | 0.00000 | 319537.6 | 125699.7 | 183122.1 | S |
| 84.258 | 0.0000 | 0.0000 | 83.516 | 0.06141 | 0.00000 | 319537.6 | 125701.6 | 183122.1 | S |
| 84.267 | 0.0000 | 0.0000 | 83.516 | 0.06140 | 0.00000 | 319537.6 | 125703.4 | 183122.1 | S |
| 84.275 | 0.0000 | 0.0000 | 83.516 | 0.06139 | 0.00000 | 319537.6 | 125705.2 | 183122.1 | S |
| 84.283 | 0.0000 | 0.0000 | 83.515 | 0.06138 | 0.00000 | 319537.6 | 125707.1 | 183122.1 | S |
| 84.292 | 0.0000 | 0.0000 | 83.515 | 0.06137 | 0.00000 | 319537.6 | 125708.9 | 183122.1 | S |
| 84.300 | 0.0000 | 0.0000 | 83.515 | 0.06136 | 0.00000 | 319537.6 | 125710.8 | 183122.1 | S |
| 84.308 | 0.0000 | 0.0000 | 83.515 | 0.06135 | 0.00000 | 319537.6 | 125712.6 | 183122.1 | S |
| 84.317 | 0.0000 | 0.0000 | 83.514 | 0.06134 | 0.00000 | 319537.6 | 125714.4 | 183122.1 | S |
| 84.325 | 0.0000 | 0.0000 | 83.514 | 0.06133 | 0.00000 | 319537.6 | 125716.3 | 183122.1 | S |
| 84.333 | 0.0000 | 0.0000 | 83.514 | 0.06132 | 0.00000 | 319537.6 | 125718.1 | 183122.1 | S |
| 84.342 | 0.0000 | 0.0000 | 83.514 | 0.06131 | 0.00000 | 319537.6 | 125720.0 | 183122.1 | S |
| 84.350 | 0.0000 | 0.0000 | 83.514 | 0.06130 | 0.00000 | 319537.6 | 125721.8 | 183122.1 | S |
| 84.358 | 0.0000 | 0.0000 | 83.513 | 0.06129 | 0.00000 | 319537.6 | 125723.6 | 183122.1 | S |
| 84.367 | 0.0000 | 0.0000 | 83.513 | 0.06127 | 0.00000 | 319537.6 | 125725.5 | 183122.1 | S |
| 84.375 | 0.0000 | 0.0000 | 83.513 | 0.06126 | 0.00000 | 319537.6 | 125727.3 | 183122.1 | S |
| 84.383 | 0.0000 | 0.0000 | 83.513 | 0.06125 | 0.00000 | 319537.6 | 125729.1 | 183122.1 | S |
| 84.392 | 0.0000 | 0.0000 | 83.513 | 0.06124 | 0.00000 | 319537.6 | 125731.0 | 183122.1 | S |
| 84.400 | 0.0000 | 0.0000 | 83.512 | 0.06123 | 0.00000 | 319537.6 | 125732.8 | 183122.1 | S |
| 84.408 | 0.0000 | 0.0000 | 83.512 | 0.06122 | 0.00000 | 319537.6 | 125734.7 | $183\{22.1$ | S |
| 84.417 | 0.0000 | 0.0000 | 83.512 | 0.06121 | 0.00000 | 319537.6 | 125736.5 | 183122.1 | S |
| 84.425 | 0.0000 | 0.0000 | 83.512 | 0.06120 | 0.00000 | 319537.6 | 125738.3 | 183122.1 | S |
| 84.433 | 0.0000 | 0.0000 | 83.511 | 0.06119 | 0.00000 | 319537.6 | 125740.2 | 183122.1 | S |
| 84.442 | 0.0000 | 0.0000 | 83.511 | 0.06118 | 0.00000 | 319537.6 | 125742.0 | 183122.1 | S |
| 84.450 | 0.0000 | 0.0000 | 83.511 | 0.06117 | 0.00000 | 319537.6 | 125743.8 | 183122.1 | S |
| 84.458 | 0.0000 | 0.0000 | 83.511 | 0.06116 | 0.00000 | 319537.6 | 125745.7 | 183122.1 | S |
| 84.467 | 0.0000 | 0.0000 | 83.511 | 0.06115 | 0.00000 | 319537.6 | 125747.5 | 183122.1 | S |
| 84.475 | 0.0000 | 0.0000 | 83.510 | 0.06114 | 0.00000 | 319537.6 | 125749.3 | 183¢22.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 84.483 | 0.0000 | 0.0000 | 83.510 | 0.06113 | 0.00000 | 319537.6 | 125751.2 | 183122.1 | S |
| 84.492 | 0.0000 | 0.0000 | 83.510 | 0.06112 | 0.00000 | 319537.6 | 125753.0 | 183122.1 | S |
| 84.500 | 0.0000 | 0.0000 | 83.510 | 0.06111 | 0.00000 | 319537.6 | 125754.8 | 183122.1 | S |
| 84.508 | 0.0000 | 0.0000 | 83.509 | 0.06109 | 0.00000 | 319537.6 | 125756.7 | 183122.1 | S |
| 84.517 | 0.0000 | 0.0000 | 83.509 | 0.06108 | 0.00000 | 319537.6 | 125758.5 | 183122.1 | S |
| 84.525 | 0.0000 | 0.0000 | 83.509 | 0.06107 | 0.00000 | 319537.6 | 125760.3 | 183122.1 | S |
| 84.533 | 0.0000 | 0.0000 | 83.509 | 0.06106 | 0.00000 | 319537.6 | 125762.2 | 183122.1 | S |
| 84.542 | 0.0000 | 0.0000 | 83.509 | 0.06105 | 0.00000 | 319537.6 | 125764.0 | 183122.1 | S |
| 84.550 | 0.0000 | 0.0000 | 83.508 | 0.06104 | 0.00000 | 319537.6 | 125765.8 | 183122.1 | S |
| 84.558 | 0.0000 | 0.0000 | 83.508 | 0.06103 | 0.00000 | 319537.6 | 125767.7 | 183122.1 | S |
| 84.567 | 0.0000 | 0.0000 | 83.508 | 0.06102 | 0.00000 | 319537.6 | 125769.5 | 183122.1 | S |
| 84.575 | 0.0000 | 0.0000 | 83.508 | 0.06101 | 0.00000 | 319537.6 | 125771.3 | 183122.1 | S |
| 84.583 | 0.0000 | 0.0000 | 83.508 | 0.06100 | 0.00000 | 319537.6 | 125773.2 | 183122.1 | S |
| 84.592 | 0.0000 | 0.0000 | 83.507 | 0.06099 | 0.00000 | 319537.6 | 125775.0 | 183122.1 | S |
| 84.600 | 0.0000 | 0.0000 | 83.507 | 0.06098 | 0.00000 | 319537.6 | 125776.8 | 183122.1 | S |
| 84.608 | 0.0000 | 0.0000 | 83.507 | 0.06097 | 0.00000 | 319537.6 | 125778.6 | 183122.1 | S |
| 84.617 | 0.0000 | 0.0000 | 83.507 | 0.06096 | 0.00000 | 319537.6 | 125780.5 | 183122.1 | S |
| 84.625 | 0.0000 | 0.0000 | 83.506 | 0.06095 | 0.00000 | 319537.6 | 125782.3 | 183122.1 | S |
| 84.633 | 0.0000 | 0.0000 | 83.506 | 0.06094 | 0.00000 | 319537.6 | 125784.1 | 183122.1 | S |
| 84.642 | 0.0000 | 0.0000 | 83.506 | 0.06093 | 0.00000 | 319537.6 | 125786.0 | 183122.1 | S |
| 84.650 | 0.0000 | 0.0000 | 83.506 | 0.06091 | 0.00000 | 319537.6 | 125787.8 | 183122.1 | S |
| 84.658 | 0.0000 | 0.0000 | 83.506 | 0.06090 | 0.00000 | 319537.6 | 125789.6 | 183122.1 | S |
| 84.667 | 0.0000 | 0.0000 | 83.505 | 0.06089 | 0.00000 | 319537.6 | 125791.4 | 183122.1 | S |
| 84.675 | 0.0000 | 0.0000 | 83.505 | 0.06088 | 0.00000 | 319537.6 | 125793.3 | 183122.1 | S |
| 84.683 | 0.0000 | 0.0000 | 83.505 | 0.06087 | 0.00000 | 319537.6 | 125795.1 | 183122.1 | S |
| 84.692 | 0.0000 | 0.0000 | 83.505 | 0.06086 | 0.00000 | 319537.6 | 125796.9 | 183122.1 | S |
| 84.700 | 0.0000 | 0.0000 | 83.504 | 0.06085 | 0.00000 | 319537.6 | 125798.8 | 183122.1 | S |
| 84.708 | 0.0000 | 0.0000 | 83.504 | 0.06084 | 0.00000 | 319537.6 | 125800.6 | 183122.1 | S |
| 84.717 | 0.0000 | 0.0000 | 83.504 | 0.06083 | 0.00000 | 319537.6 | 125802.4 | 183122.1 | S |
| 84.725 | 0.0000 | 0.0000 | 83.504 | 0.06082 | 0.00000 | 319537.6 | 125804.2 | 183122.1 | S |
| 84.733 | 0.0000 | 0.0000 | 83.504 | 0.06081 | 0.00000 | 319537.6 | 125806.1 | \{83122.1 | S |
| 84.742 | 0.0000 | 0.0000 | 83.503 | 0.06080 | 0.00000 | 319537.6 | 125807.9 | 183122.1 | S |
| 84.750 | 0.0000 | 0.0000 | 83.503 | 0.06079 | 0.00000 | 319537.6 | 125809.7 | 183122.1 | S |
| 84.758 | 0.0000 | 0.0000 | 83.503 | 0.06078 | 0.00000 | 319537.6 | 125811.5 | 183122.1 | S |
| 84.767 | 0.0000 | 0.0000 | 83.503 | 0.06077 | 0.00000 | 319537.6 | 125813.3 | 183122.1 | S |
| 84.775 | 0.0000 | 0.0000 | 83.503 | 0.06076 | 0.00000 | 319537.6 | 125815.2 | 183122.1 | S |
| 84.783 | 0.0000 | 0.0000 | 83.502 | 0.06075 | 0.00000 | 319537.6 | 125817.0 | 183122.1 | S |
| 84.792 | 0.0000 | 0.0000 | 83.502 | 0.06074 | 0.00000 | 319537.6 | 125818.8 | 183122.1 | S |
| 84.800 | 0.0000 | 0.0000 | 83.502 | 0.06073 | 0.00000 | 319537.6 | 125820.6 | \$83122.1 | S |
| 84.808 | 0.0000 | 0.0000 | 83.502 | 0.06072 | 0.00000 | 319537.6 | 125822.5 | 183122.1 | S |
| 84.817 | 0.0000 | 0.0000 | 83.501 | 0.06070 | 0.00000 | 319537.6 | 125824.3 | 183122.1 | S |
| 84.825 | 0.0000 | 0.0000 | 83.501 | 0.06069 | 0.00000 | 319537.6 | 125826.1 | 183122.1 | S |
| 84.833 | 0.0000 | 0.0000 | 83.501 | 0.06068 | 0.00000 | 319537.6 | 125827.9 | 183122.1 | S |
| 84.842 | 0.0000 | 0.0000 | 83.501 | 0.06067 | 0.00000 | 319537.6 | 125829.7 | 183122.1 | S |
| 84.850 | 0.0000 | 0.0000 | 83.501 | 0.06066 | 0.00000 | 319537.6 | 125831.6 | 183122.1 | S |
| 84.858 | 0.0000 | 0.0000 | 83.500 | 0.06065 | 0.00000 | 319537.6 | 125833.4 | 183122.1 | S |
| 84.867 | 0.0000 | 0.0000 | 83.500 | 0.06064 | 0.00000 | 319537.6 | 125835.2 | 183122.1 | S |
| 84.875 | 0.0000 | 0.0000 | 83.500 | 0.06063 | 0.00000 | 319537.6 | 125837.0 | 183122.1 | S |
| 84.883 | 0.0000 | 0.0000 | 83.500 | 0.06062 | 0.00000 | 319537.6 | 125838.8 | 183122.1 | S |
| 84.892 | 0.0000 | 0.0000 | 83.499 | 0.06061 | 0.00000 | 319537.6 | 125840.7 | 183122.1 | S |
| 84.900 | 0.0000 | 0.0000 | 83.499 | 0.06060 | 0.00000 | 319537.6 | 125842.5 | 183122.1 | S |
| 84.908 | 0.0000 | 0.0000 | 83.499 | 0.06059 | 0.00000 | 319537.6 | 125844.3 | 183122.1 | S |
| 84.917 | 0.0000 | 0.0000 | 83.499 | 0.06058 | 0.00000 | 319537.6 | 125846.1 | 183122.1 | S |
| 84.925 | 0.0000 | 0.0000 | 83.499 | 0.06057 | 0.00000 | 319537.6 | 125847.9 | 183122.1 | S |
| 84.933 | 0.0000 | 0.0000 | 83.498 | 0.06056 | 0.00000 | 319537.6 | 125849.7 | 183122.1 | S |
| 84.942 | 0.0000 | 0.0000 | 83.498 | 0.06055 | 0.00000 | 319537.6 | 125851.6 | 183122.1 | S |
| 84.950 | 0.0000 | 0.0000 | 83.498 | 0.06054 | 0.00000 | 319537.6 | 125853.4 | 183122.1 | S |
| 84.958 | 0.0000 | 0.0000 | 83.498 | 0.06053 | 0.00000 | 319537.6 | 125855.2 | 183122.1 | S |
| 84.967 | 0.0000 | 0.0000 | 83.498 | 0.06052 | 0.00000 | 319537.6 | 125857.0 | 183122.1 | S |
| 84.975 | 0.0000 | 0.0000 | 83.497 | 0.06051 | 0.00000 | 319537.6 | 125858.8 | 183122.1 | S |
| 84.983 | 0.0000 | 0.0000 | 83.497 | 0.06050 | 0.00000 | 319537.6 | 125860.6 | 183122.1 | S |
| 84.992 | 0.0000 | 0.0000 | 83.497 | 0.06048 | 0.00000 | 319537.6 | 125862.5 | 183122.1 | S |
| 85.000 | 0.0000 | 0.0000 | 83.497 | 0.06047 | 0.00000 | 319537.6 | 125864.3 | 183122.1 | S |
| 85.008 | 0.0000 | 0.0000 | 83.496 | 0.06046 | 0.00000 | 319537.6 | 125866.1 | 183122.1 | S |
| 85.017 | 0.0000 | 0.0000 | 83.496 | 0.06045 | 0.00000 | 319537.6 | 125867.9 | 183122.1 | S |
| 85.025 | 0.0000 | 0.0000 | 83.496 | 0.06044 | 0.00000 | 319537.6 | 125869.7 | 183122.1 | S |
| 85.033 | 0.0000 | 0.0000 | 83.496 | 0.06043 | 0.00000 | 319537.6 | 125871.5 | 183122.1 | S |
| 85.042 | 0.0000 | 0.0000 | 83.496 | 0.06042 | 0.00000 | 319537.6 | 125873.3 | \$83122.1 | S |
| 85.050 | 0.0000 | 0.0000 | 83.495 | 0.06041 | 0.00000 | 319537.6 | 125875.1 | 183122.1 | S |
| 85.058 | 0.0000 | 0.0000 | 83.495 | 0.06040 | 0.00000 | 319537.6 | 125877.0 | 183122.1 | S |
| 85.067 | 0.0000 | 0.0000 | 83.495 | 0.06039 | 0.00000 | 319537.6 | 125878.8 | 183122.1 | S |
| 85.075 | 0.0000 | 0.0000 | 83.495 | 0.06038 | 0.00000 | 319537.6 | 125880.6 | 183122.1 | S |
| 85.083 | 0.0000 | 0.0000 | 83.495 | 0.06037 | 0.00000 | 319537.6 | 125882.4 | 183122.1 | S |
| 85.092 | 0.0000 | 0.0000 | 83.494 | 0.06036 | 0.00000 | 319537.6 | 125884.2 | 183122.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{t}^{3 / \mathrm{s}}$ ) | Outside Recharge (flday) | Stage Elevation (f datum) | Infiltration Rate ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 85.100 | 0.0000 | 0.0000 | 83.494 | 0.06035 | 0.00000 | 319537.6 | 125886.0 | 183122.1 | S |
| 85.108 | 0.0000 | 0.0000 | 83.494 | 0.06034 | 0.00000 | 319537.6 | 125887.8 | 183122.1 | S |
| 85.117 | 0.0000 | 0.0000 | 83.494 | 0.06033 | 0.00000 | 319537.6 | 125889.6 | 183122.1 | S |
| 85.125 | 0.0000 | 0.0000 | 83.493 | 0.06032 | 0.00000 | 319537.6 | 125891.4 | 183122.1 | S |
| 85.133 | 0.0000 | 0.0000 | 83.493 | 0.06031 | 0.00000 | 319537.6 | 125893.3 | 183122.1 | S |
| 85.142 | 0.0000 | 0.0000 | 83.493 | 0.06030 | 0.00000 | 319537.6 | 125895.1 | 183122.1 | S |
| 85.150 | 0.0000 | 0.0000 | 83.493 | 0.06029 | 0.00000 | 319537.6 | 125896.9 | 183122.1 | S |
| 85.158 | 0.0000 | 0.0000 | 83.493 | 0.06028 | 0.00000 | 319537.6 | 125898.7 | 183122.1 | S |
| 85.167 | 0.0000 | 0.0000 | 83.492 | 0.06027 | 0.00000 | 319537.6 | 125900.5 | 183122.1 | S |
| 85.175 | 0.0000 | 0.0000 | 83.492 | 0.06026 | 0.00000 | 319537.6 | 125902.3 | 183122.1 | S |
| 85.183 | 0.0000 | 0.0000 | 83.492 | 0.06025 | 0.00000 | 319537.6 | 125904.1 | 183122.7 | S |
| 85.192 | 0.0000 | 0.0000 | 83.492 | 0.06024 | 0.00000 | 319537.6 | 125905.9 | 183122.1 | S |
| 85.200 | 0.0000 | 0.0000 | 83.492 | 0.06023 | 0.00000 | 319537.6 | 125907.7 | 183122, 1 | S |
| 85.208 | 0.0000 | 0.0000 | 83.491 | 0.06021 | 0.00000 | 319537.6 | 125909.5 | 183122.1 | S |
| 85.217 | 0.0000 | 0.0000 | 83.491 | 0.06020 | 0.00000 | 319537.6 | 125911.3 | 183122.1 | S |
| 85.225 | 0.0000 | 0.0000 | 83.491 | 0.06019 | 0.00000 | 319537.6 | 125913.1 | 183122.1 | S |
| 85.233 | 0.0000 | 0.0000 | 83.491 | 0.06018 | 0.00000 | 319537.6 | 125914.9 | 183122.1 | S |
| 85.242 | 0.0000 | 0.0000 | 83.490 | 0.06017 | 0.00000 | 319537.6 | 125916.8 | 183 亿22.1 | S |
| 85.250 | 0.0000 | 0.0000 | 83.490 | 0.06016 | 0.00000 | 319537.6 | 125918.6 | 183122.1 | S |
| 85.258 | 0.0000 | 0.0000 | 83.490 | 0.06015 | 0.00000 | 319537.6 | 125920.4 | 183122.1 | S |
| 85.267 | 0.0000 | 0.0000 | 83.490 | 0.06014 | 0.00000 | 319537.6 | 125922.2 | 183122.1 | S |
| 85.275 | 0.0000 | 0.0000 | 83.490 | 0.06013 | 0.00000 | 319537.6 | 125924.0 | 183122.1 | S |
| 85.283 | 0.0000 | 0.0000 | 83.489 | 0.06012 | 0.00000 | 319537.6 | 125925.8 | 183122.1 | S |
| 85.292 | 0.0000 | 0.0000 | 83.489 | 0.06011 | 0.00000 | 319537.6 | 125927.6 | 183122.1 | S |
| 85.300 | 0.0000 | 0.0000 | 83.489 | 0.06010 | 0.00000 | 319537.6 | 125929.4 | 183122.1 | S |
| 85.308 | 0.0000 | 0.0000 | 83.489 | 0.06009 | 0.00000 | 319537.6 | 125931.2 | 183122.1 | S |
| 85.317 | 0.0000 | 0.0000 | 83.488 | 0.06008 | 0.00000 | 319537.6 | 125933.0 | 183122.1 | S |
| 85.325 | 0.0000 | 0.0000 | 83.488 | 0.06007 | 0.00000 | 319537.6 | 125934.8 | 183122.1 | S |
| 85.333 | 0.0000 | 0.0000 | 83.488 | 0.06006 | 0.00000 | 319537.6 | 125936.6 | 183122.1 | S |
| 85.342 | 0.0000 | 0.0000 | 83.488 | 0.06005 | 0.00000 | 319537.6 | 125938.4 | 183122.1 | S |
| 85.350 | 0.0000 | 0.0000 | 83.488 | 0.06004 | 0.00000 | 319537.6 | 125940.2 | 183122.1 | S |
| 85.358 | 0.0000 | 0.0000 | 83.487 | 0.06003 | 0.00000 | 319537.6 | 125942.0 | 183122.1 | S |
| 85.367 | 0.0000 | 0.0000 | 83.487 | 0.06002 | 0.00000 | 319537.6 | 125943.8 | 183122.1 | S |
| 85.375 | 0.0000 | 0.0000 | 83.487 | 0.06001 | 0.00000 | 319537.6 | 125945.6 | 183122.1 | S |
| 85.383 | 0.0000 | 0.0000 | 83.487 | 0.06000 | 0.00000 | 319537.6 | 125947.4 | 183122.1 | S |
| 85.392 | 0.0000 | 0.0000 | 83.487 | 0.05999 | 0.00000 | 319537.6 | 125949.2 | 183122.1 | S |
| 85.400 | 0.0000 | 0.0000 | 83.486 | 0.05998 | 0.00000 | 319537.6 | 125951.0 | 183122.1 | S |
| 85.408 | 0.0000 | 0.0000 | 83.486 | 0.05997 | 0.00000 | 319537.6 | 125952.8 | 183122.1 | S |
| 85.417 | 0.0000 | 0.0000 | 83.486 | 0.05996 | 0.00000 | 319537.6 | 125954.6 | 183122.1 | S |
| 85.425 | 0.0000 | 0.0000 | 83.486 | 0.05995 | 0.00000 | 319537.6 | 125956.4 | 183122.1 | S |
| 85.433 | 0.0000 | 0.0000 | 83.485 | 0.05994 | 0.00000 | 319537.6 | 125958.2 | 183122.1 | S |
| 85.442 | 0.0000 | 0.0000 | 83.485 | 0.05993 | 0.00000 | 319537.6 | 125960.0 | 183122.1 | S |
| 85.450 | 0.0000 | 0.0000 | 83.485 | 0.05992 | 0.00000 | 319537.6 | 125961.8 | 183122.1 | S |
| 85.458 | 0.0000 | 0.0000 | 83.485 | 0.05991 | 0.00000 | 319537.6 | 125963.6 | 183122.1 | S |
| 85.467 | 0.0000 | 0.0000 | 83.485 | 0.05989 | 0.00000 | 319537.6 | 125965.4 | 183122.1 | S |
| 85.475 | 0.0000 | 0.0000 | 83.484 | 0.05988 | 0.00000 | 319537.6 | 125967.2 | 183122.1 | S |
| 85.483 | 0.0000 | 0.0000 | 83.484 | 0.05987 | 0.00000 | 319537.6 | 125969.0 | 183122.1 | S |
| 85.492 | 0.0000 | 0.0000 | 83.484 | 0.05986 | 0.00000 | 319537.6 | 125970.8 | 183122.1 | S |
| 85.500 | 0.0000 | 0.0000 | 83.484 | 0.05985 | 0.00000 | 319537.6 | 125972.6 | 183122.1 | S |
| 85.508 | 0.0000 | 0.0000 | 83.484 | 0.05984 | 0.00000 | 319537.6 | 125974.4 | 183122.1 | S |
| 85.517 | 0.0000 | 0.0000 | 83.483 | 0.05983 | 0.00000 | 319537.6 | 125976.1 | 183122.1 | S |
| 85.525 | 0.0000 | 0.0000 | 83.483 | 0.05982 | 0.00000 | 319537.6 | 125977.9 | 183122.1 | S |
| 85.533 | 0.0000 | 0.0000 | 83.483 | 0.05981 | 0.00000 | 319537.6 | 125979.7 | 183122.1 | S |
| 85.542 | 0.0000 | 0.0000 | 83.483 | 0.05980 | 0.00000 | 319537.6 | 125981.5 | 183122.1 | S |
| 85.550 | 0.0000 | 0.0000 | 83.482 | 0.05979 | 0.00000 | 319537.6 | 125983.3 | 183122.1 | S |
| 85.558 | 0.0000 | 0.0000 | 83.482 | 0.05978 | 0.00000 | 319537.6 | 125985.1 | 183122.1 | S |
| 85.567 | 0.0000 | 0.0000 | 83.482 | 0.05977 | 0.00000 | 319537.6 | 125986.9 | 183122.1 | S |
| 85.575 | 0.0000 | 0.0000 | 83.482 | 0.05976 | 0.00000 | 319537.6 | 125988.7 | 183122.1 | S |
| 85.583 | 0.0000 | 0.0000 | 83.482 | 0.05975 | 0.00000 | 319537.6 | 125990.5 | 183122.1 | S |
| 85.592 | 0.0000 | 0.0000 | 83.481 | 0.05974 | 0.00000 | 319537.6 | 125992.3 | 183122.1 | S |
| 85.600 | 0.0000 | 0.0000 | 83.481 | 0.05973 | 0.00000 | 319537.6 | 125994.1 | 183122.1 | S |
| 85.608 | 0.0000 | 0.0000 | 83.481 | 0.05972 | 0.00000 | 319537.6 | 125995.9 | 183122.1 | S |
| 85.617 | 0.0000 | 0.0000 | 83.481 | 0.05971 | 0.00000 | 319537.6 | 125997.7 | 183122.1 | S |
| 85.625 | 0.0000 | 0.0000 | 83.481 | 0.05970 | 0.00000 | 319537.6 | 125999.5 | 183122.1 | S |
| 85.633 | 0.0000 | 0.0000 | 83.480 | 0.05969 | 0.00000 | 319537.6 | 126001.3 | 183122.1 | S |
| 85.642 | 0.0000 | 0.0000 | 83.480 | 0.05968 | 0.00000 | 319537.6 | 126003.0 | 183122.1 | S |
| 85.650 | 0.0000 | 0.0000 | 83.480 | 0.05967 | 0.00000 | 319537.6 | 126004.8 | 183122.4 | S |
| 85.658 | 0.0000 | 0.0000 | 83.480 | 0.05966 | 0.00000 | 319537.6 | 126006.6 | 183122.1 | S |
| 85,667 | 0.0000 | 0.0000 | 83.479 | 0.05965 | 0.00000 | 319537.6 | 126008.4 | 183122.1 | S |
| 85.675 | 0.0000 | 0.0000 | 83.479 | 0.05964 | 0.00000 | 319537.6 | 126010.2 | 183122.1 | S |
| 85.683 | 0.0000 | 0.0000 | 83.479 | 0.05963 | 0.00000 | 319537.6 | 126012.0 | 183122.1 | S |
| 85.692 | 0.0000 | 0.0000 | 83.479 | 0.05962 | 0.00000 | 319537.6 | 126013.8 | 183122.1 | S |
| 85.700 | 0.0000 | 0.0000 | 83.479 | 0.05961 | 0.00000 | 319537.6 | 126015.6 | 183122.1 | S |
| 85.708 | 0.0000 | 0.0000 | 83.478 | 0.05960 | 0.00000 | 319537.6 | 126017.4 | 183122.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overfow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Infow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 85.717 | 0.0000 | 0.0000 | 83.478 | 0.05959 | 0.00000 | 319537.6 | 126019.1 | 183122.1 | S |
| 85.725 | 0.0000 | 0.0000 | 83.478 | 0.05958 | 0.00000 | 319537.6 | 126020.9 | 183122.1 | S |
| 85.733 | 0.0000 | 0.0000 | 83.478 | 0.05957 | 0.00000 | 319537.6 | 126022.7 | 183122.1 | S |
| 85.742 | 0.0000 | 0.0000 | 83.478 | 0.05956 | 0.00000 | 319537.6 | 126024.5 | 183122.1 | S |
| 85.750 | 0.0000 | 0.0000 | 83.477 | 0.05955 | 0.00000 | 319537.6 | 126026.3 | 183122.1 | S |
| 85.758 | 0.0000 | 0.0000 | 83.477 | 0.05954 | 0.00000 | 319537.6 | 126028.1 | 183122.1 | S |
| 85.767 | 0.0000 | 0.0000 | 83.477 | 0.05953 | 0.00000 | 319537.6 | 126029.9 | 183122.1 | S |
| 85.775 | 0.0000 | 0.0000 | 83.477 | 0.05952 | 0.00000 | 319537.6 | 126031.6 | 183122.1 | S |
| 85.783 | 0.0000 | 0.0000 | 83.477 | 0.05951 | 0.00000 | 319537.6 | 126033.4 | 183122.4 | S |
| 85.792 | 0.0000 | 0.0000 | 83.476 | 0.05950 | 0.00000 | 319537.6 | 126035.2 | 183122.1 | S |
| 85.800 | 0.0000 | 0.0000 | 83.476 | 0.05949 | 0.00000 | 319537.6 | 126037.0 | 183122.1 | S |
| 85.808 | 0.0000 | 0.0000 | 83.476 | 0.05948 | 0.00000 | 319537.6 | 126038.8 | 183122.1 | S |
| 85.817 | 0.0000 | 0.0000 | 83.476 | 0.05947 | 0.00000 | 319537.6 | 126040.6 | 183122.1 | S |
| 85.825 | 0.0000 | 0.0000 | 83.475 | 0.05946 | 0.00000 | 319537.6 | 126042.4 | 183122.1 | S |
| 85.833 | 0.0000 | 0.0000 | 83.475 | 0.05945 | 0,00000 | 319537.6 | \{26044.1 | 183122.1 | S |
| 85.842 | 0.0000 | 0.0000 | 83.475 | 0.05944 | 0.00000 | 319537.6 | 126045.9 | 183122.1 | S |
| 85.850 | 0.0000 | 0.0000 | 83.475 | 0.05942 | 0.00000 | 319537.6 | 126047.7 | 183122.1 | S |
| 85.858 | 0.0000 | 0.0000 | 83.475 | 0.05941 | 0.00000 | 319537.6 | 126049.5 | 183122.1 | S |
| 85.867 | 0.0000 | 0.0000 | 83.474 | 0.05940 | 0.00000 | 319537.6 | 126051.3 | 183122.1 | S |
| 85.875 | 0.0000 | 0.0000 | 83.474 | 0.05939 | 0.00000 | 319537.6 | 126053.1 | 183122.1 | S |
| 85.883 | 0.0000 | 0.0000 | 83.474 | 0.05938 | 0.00000 | 319537.6 | 126054.8 | 183122.1 | S |
| 85.892 | 0.0000 | 0.0000 | 83.474 | 0.05937 | 0.00000 | 319537.6 | 126056.6 | 183122.1 | S |
| 85.900 | 0.0000 | 0.0000 | 83.474 | 0.05936 | 0.00000 | 319537.6 | 126058.4 | 183122.1 | S |
| 85.908 | 0.0000 | 0.0000 | 83.473 | 0.05935 | 0.00000 | 319537.6 | 126060.2 | 183122.1 | S |
| 85.917 | 0.0000 | 0.0000 | 83.473 | 0.05934 | 0.00000 | 319537.6 | 126062.0 | 183122.1 | S |
| 85.925 | 0.0000 | 0.0000 | 83.473 | 0.05933 | 0.00000 | 319537.6 | 126063.7 | 183122.1 | S |
| 85.933 | 0.0000 | 0.0000 | 83.473 | 0.05932 | 0.00000 | 319537.6 | 126065.5 | 183122.1 | S |
| 85.942 | 0.0000 | 0.0000 | 83.472 | 0.05931 | 0.00000 | 319537.6 | 126067.3 | 183122.1 | S |
| 85.950 | 0.0000 | 0.0000 | 83.472 | 0.05930 | 0.00000 | 319537.6 | 126069.1 | 183122.1 | S |
| 85.958 | 0.0000 | 0.0000 | 83.472 | 0.05929 | 0.00000 | 319537.6 | 126070.9 | 183122.1 | S |
| 85.967 | 0.0000 | 0.0000 | 83.472 | 0.05928 | 0.00000 | 319537.6 | 126072.6 | 183122.1 | S |
| 85.975 | 0.0000 | 0.0000 | 83.472 | 0.05927 | 0.00000 | 319537.6 | 126074.4 | 183122.1 | S |
| 85.983 | 0.0000 | 0.0000 | 83.471 | 0.05926 | 0.00000 | 319537.6 | 126076.2 | 183122.1 | S |
| 85.992 | 0.0000 | 0.0000 | 83.471 | 0.05925 | 0.00000 | 319537.6 | 126078.0 | 183122.1 | S |
| 86.000 | 0.0000 | 0.0000 | 83.471 | 0.05924 | 0.00000 | 319537.6 | 126079.8 | 183122.1 | S |
| 86.008 | 0.0000 | 0.0000 | 83.471 | 0.05923 | 0.00000 | 319537.6 | 126081.5 | 183122.1 | S |
| 86.017 | 0.0000 | 0.0000 | 83.471 | 0.05922 | 0.00000 | 319537.6 | 126083.3 | 183122.1 | S |
| 86.025 | 0.0000 | 0.0000 | 83.470 | 0.05921 | 0.00000 | 319537.6 | 126085.1 | 183122.1 | S |
| 86.033 | 0.0000 | 0.0000 | 83.470 | 0.05920 | 0.00000 | 319537.6 | 126086.9 | 183122.1 | S |
| 86.042 | 0.0000 | 0.0000 | 83.470 | 0.05919 | 0.00000 | 319537.6 | 126088.6 | 183122.1 | S |
| 86.050 | 0.0000 | 0.0000 | 83.470 | 0.05918 | 0.00000 | 319537.6 | 126090.4 | 183122.1 | S |
| 86.058 | 0.0000 | 0.0000 | 83.469 | 0.05917 | 0.00000 | 319537.6 | 126092.2 | 183122.1 | S |
| 86.067 | 0.0000 | 0.0000 | 83.469 | 0.05916 | 0.00000 | 319537.6 | 126094.0 | 183122.1 | S |
| 86.075 | 0.0000 | 0.0000 | 83.469 | 0.05915 | 0.00000 | 319537.6 | 126095.7 | 183122.1 | S |
| 86.083 | 0.0000 | 0.0000 | 83.469 | 0.05914 | 0.00000 | 319537.6 | 126097.5 | 183122.1 | S |
| 86.092 | 0.0000 | 0.0000 | 83.469 | 0.05913 | 0.00000 | 319537.6 | 126099.3 | 183122.1 | S |
| 86.100 | 0.0000 | 0.0000 | 83.468 | 0.05912 | 0.00000 | 319537.6 | 126101.1 | 183122.1 | S |
| 86.108 | 0.0000 | 0.0000 | 83.468 | 0.05911 | 0.00000 | 319537.6 | 126102.8 | 183122.1 | S |
| 86.117 | 0.0000 | 0.0000 | 83.468 | 0.05910 | 0.00000 | 319537.6 | 126104.6 | 183122.1 | S |
| 86.125 | 0.0000 | 0.0000 | 83.468 | 0.05909 | 0.00000 | 319537.6 | 126106.4 | 183122.1 | S |
| 86.133 | 0.0000 | 0.0000 | 83.468 | 0.05908 | 0.00000 | 319537.6 | 126108.1 | 183122.1 | S |
| 86.142 | 0.0000 | 0.0000 | 83.467 | 0.05907 | 0.00000 | 319537.6 | 126109.9 | 183122.1 | S |
| 86.150 | 0.0000 | 0.0000 | 83.467 | 0.05906 | 0.00000 | 319537.6 | 126111.7 | 183122.1 | S |
| 86.158 | 0.0000 | 0.0000 | 83.467 | 0.05905 | 0.00000 | 319537.6 | 126113.5 | 183122.1 | S |
| 86.167 | 0.0000 | 0.0000 | 83.467 | 0.05904 | 0.00000 | 319537.6 | 126115.2 | 183122.1 | S |
| 86.175 | 0.0000 | 0.0000 | 83.467 | 0.05903 | 0.00000 | 319537.6 | 126117.0 | 183122.1 | S |
| 86.183 | 0.0000 | 0.0000 | 83.466 | 0.05902 | 0.00000 | 319537.6 | 126118.8 | 183122.1 | S |
| 86.192 | 0.0000 | 0.0000 | 83.466 | 0.05901 | 0.00000 | 319537.6 | 126120.5 | 183122.1 | S |
| 86.200 | 0.0000 | 0.0000 | 83.466 | 0.05900 | 0.00000 | 319537.6 | 126122.3 | 183122.1 | S |
| 86.208 | 0.0000 | 0.0000 | 83.466 | 0.05899 | 0.00000 | 319537.6 | 126124.1 | 183122.1 | S |
| 86.217 | 0.0000 | 0.0000 | 83.465 | 0.05898 | 0.00000 | 319537.6 | 126125.9 | 183122.1 | S |
| 86.225 | 0.0000 | 0.0000 | 83.465 | 0.05897 | 0.00000 | 319537.6 | 126127.6 | 183122.1 | S |
| 86.233 | 0.0000 | 0.0000 | 83.465 | 0.05896 | 0.00000 | 319537.6 | 126129.4 | 183122.1 | S |
| 86.242 | 0.0000 | 0.0000 | 83.465 | 0.05895 | 0.00000 | 319537.6 | 126131.2 | 183122.1 | S |
| 86.250 | 0.0000 | 0.0000 | 83.465 | 0.05894 | 0.00000 | 319537.6 | 126132.9 | 183122.1 | S |
| 86.258 | 0.0000 | 0.0000 | 83.464 | 0.05893 | 0.00000 | 319537.6 | 126134.7 | 183122.1 | S |
| 86.267 | 0.0000 | 0.0000 | 83.464 | 0.05892 | 0.00000 | 319537.6 | 126136.5 | 183122.1 | S |
| 86.275 | 0.0000 | 0.0000 | 83.464 | 0.05891 | 0.00000 | 319537.6 | 126138.2 | 183122.1 | S |
| 86.283 | 0.0000 | 0.0000 | 83.464 | 0.05890 | 0.00000 | 319537.6 | 126140.0 | 183122.1 | S |
| 86.292 | 0.0000 | 0.0000 | 83.464 | 0.05889 | 0.00000 | 319537.6 | 126141.8 | 183122.1 | S |
| 86.300 | 0.0000 | 0.0000 | 83.463 | 0.05888 | 0.00000 | 319537.6 | 126143.5 | 183122.1 | S |
| 86.308 | 0.0000 | 0.0000 | 83.463 | 0.05887 | 0.00000 | 319537.6 | 126145.3 | 183122.1 | S |
| 86.317 | 0.0000 | 0.0000 | 83.463 | 0.05886 | 0.00000 | 319537.6 | 126147.1 | 183122.1 | S |
| 86.325 | 0.0000 | 0.0000 | 83.463 | 0.05885 | 0.00000 | 319537.6 | 126148.8 | 183122.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario $1::$ pond10 100 yr $/ 24$ Hr routing w/ overflow

| Elapsed Time (hours) | inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft} 3 / \mathrm{s}$ ) | Overflow Discharge $\left(\mathrm{H}^{3} / \mathrm{s}\right)$ | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume (ft ${ }^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 86.333 | 0.0000 | 0.0000 | 83.462 | 0.05884 | 0.00000 | 319537.6 | 126150.6 | 183122.1 | S |
| 86.342 | 0.0000 | 0.0000 | 83.462 | 0.05883 | 0.00000 | 319537.6 | 126152.4 | 183122.1 | S |
| 86.350 | 0.0000 | 0.0000 | 83.462 | 0.05882 | 0.00000 | 319537.6 | 126154.1 | 183122.1 | S |
| 86.358 | 0.0000 | 0.0000 | 83.462 | 0.05881 | 0.00000 | 319537.6 | 126155.9 | 183122.1 | S |
| 86.367 | 0.0000 | 0.0000 | 83.462 | 0.05880 | 0.00000 | 319537.6 | 126157.7 | 183122.1 | S |
| 86.375 | 0.0000 | 0.0000 | 83.461 | 0.05879 | 0.00000 | 319537.6 | 126159.4 | 183122.1 | S |
| 86.383 | 0.0000 | 0.0000 | 83.461 | 0.05878 | 0.00000 | 319537.6 | 126161.2 | 183122.1 | S |
| 86.392 | 0.0000 | 0.0000 | 83.461 | 0.05877 | 0.00000 | 319537.6 | 126162.9 | 183122.1 | S |
| 86.400 | 0.0000 | 0.0000 | 83.461 | 0.05876 | 0.00000 | 319537.6 | 126164.7 | 183122.1 | S |
| 86.408 | 0.0000 | 0.0000 | 83.461 | 0.05875 | 0.00000 | 319537.6 | 126166.5 | 183122.1 | S |
| 86.417 | 0.0000 | 0.0000 | 83.460 | 0.05874 | 0.00000 | 319537.6 | 126168.2 | 183122.1 | S |
| 86.425 | 0.0000 | 0.0000 | 83.460 | 0.05873 | 0.00000 | 319537.6 | 126170.0 | 183122.1 | S |
| 86.433 | 0.0000 | 0.0000 | 83.460 | 0.05872 | 0.00000 | 319537.6 | 126171.8 | 183122.1 | S |
| 86.442 | 0.0000 | 0.0000 | 83.460 | 0.05871 | 0.00000 | 319537.6 | 126173.5 | 183122.1 | S |
| 86.450 | 0.0000 | 0.0000 | 83.460 | 0.05870 | 0.00000 | 319537.6 | 126175.3 | 183122.1 | S |
| 86.458 | 0.0000 | 0.0000 | 83.459 | 0.05869 | 0.00000 | 319537.6 | 126177.0 | 183122.1 | S |
| 86.467 | 0.0000 | 0.0000 | 83.459 | 0.05868 | 0.00000 | 319537.6 | 126178.8 | 183122.1 | S |
| 86.475 | 0.0000 | 0.0000 | 83.459 | 0.05867 | 0.00000 | 319537.6 | 126180.6 | 183122.1 | S |
| 86.483 | 0.0000 | 0.0000 | 83.459 | 0.05866 | 0.00000 | 319537.6 | 126182.3 | 183122.1 | S |
| 86.492 | 0.0000 | 0.0000 | 83.458 | 0.05865 | 0.00000 | 319537.6 | 126184.1 | 183122.1 | S |
| 86.500 | 0.0000 | 0.0000 | 83.458 | 0.05864 | 0.00000 | 319537.6 | 126185.8 | 183122.1 | S |
| 86.508 | 0.0000 | 0.0000 | 83.458 | 0.05863 | 0.00000 | 319537.6 | 126187.6 | 183122.1 | S |
| 86.517 | 0.0000 | 0.0000 | 83.458 | 0.05862 | 0.00000 | 319537.6 | 126189.4 | 183122.1 | S |
| 86.525 | 0.0000 | 0.0000 | 83.458 | 0.05861 | 0.00000 | 319537.6 | 126191.1 | 183122.1 | S |
| 86.533 | 0.0000 | 0.0000 | 83.457 | 0.05860 | 0.00000 | 319537.6 | 126192.9 | 183122.1 | S |
| 86.542 | 0.0000 | 0.0000 | 83.457 | 0.05859 | 0.00000 | 319537.6 | 126194.6 | 183122.1 | S |
| 86.550 | 0.0000 | 0.0000 | 83.457 | 0.05858 | 0.00000 | 319537.6 | 126196.4 | 183122.1 | S |
| 86.558 | 0.0000 | 0.0000 | 83.457 | 0.05857 | 0.00000 | 319537.6 | 126198.1 | 183122.1 | S |
| 86.567 | 0.0000 | 0.0000 | 83.457 | 0.05856 | 0.00000 | 319537.6 | 126199.9 | 183122.1 | S |
| 86.575 | 0.0000 | 0.0000 | 83.456 | 0.05855 | 0.00000 | 319537.6 | 126201.7 | 183122.1 | S |
| 86.583 | 0.0000 | 0.0000 | 83.456 | 0.05854 | 0.00000 | 319537.6 | 126203.4 | 183122.1 | S |
| 86.592 | 0.0000 | 0.0000 | 83.456 | 0.05853 | 0.00000 | 319537.6 | 126205.2 | 183122.1 | S |
| 86.600 | 0.0000 | 0.0000 | 83.456 | 0.05852 | 0.00000 | 319537.6 | 126206.9 | 183122.1 | S |
| 86.608 | 0.0000 | 0.0000 | 83.456 | 0.05851 | 0.00000 | 319537.6 | 126208.7 | 183122.1 | S |
| 86.617 | 0.0000 | 0.0000 | 83.455 | 0.05850 | 0.00000 | 319537.6 | 126210.4 | 183722.1 | S |
| 86.625 | 0.0000 | 0.0000 | 83.455 | 0.05849 | 0.00000 | 319537.6 | 126212.2 | 183122.1 | S |
| 86.633 | 0.0000 | 0.0000 | 83.455 | 0.05848 | 0.00000 | 319537.6 | 126213.9 | 183122.1 | S |
| 86.642 | 0.0000 | 0.0000 | 83.455 | 0.05847 | 0.00000 | 319537.6 | 126215.7 | 183122.1 | S |
| 86.650 | 0.0000 | 0.0000 | 83.454 | 0.05846 | 0.00000 | 319537.6 | 126217.5 | 183122.1 | S |
| 86.658 | 0.0000 | 0.0000 | 83.454 | 0.05845 | 0.00000 | 319537.6 | 126219.2 | 183122.1 | S |
| 86.667 | 0.0000 | 0.0000 | 83.454 | 0.05844 | 0.00000 | 319537.6 | 126221.0 | 183122.1 | S |
| 86.675 | 0.0000 | 0.0000 | 83.454 | 0.05843 | 0.00000 | 319537.6 | 126222.7 | 183122.1 | S |
| 86.683 | 0.0000 | 0.0000 | 83.454 | 0.05842 | 0.00000 | 319537.6 | 126224.5 | 183122.1 | S |
| 86.692 | 0.0000 | 0.0000 | 83.453 | 0.05841 | 0.00000 | 319537.6 | 126226.2 | 183122.1 | S |
| 86.700 | 0.0000 | 0.0000 | 83.453 | 0.05840 | 0.00000 | 319537.6 | 126228.0 | 183122.1 | S |
| 86.708 | 0.0000 | 0.0000 | 83.453 | 0.05839 | 0.00000 | 319537.6 | 126229.7 | 183122.1 | S |
| 86.717 | 0.0000 | 0.0000 | 83.453 | 0.05838 | 0.00000 | 319537.6 | 126231.5 | 183122.1 | S |
| 86.725 | 0.0000 | 0.0000 | 83.453 | 0.05837 | 0.00000 | 319537.6 | 126233.2 | 183122.1 | S |
| 86.733 | 0.0000 | 0.0000 | 83.452 | 0.05836 | 0.00000 | 319537.6 | 126235.0 | 183122.1 | S |
| 86.742 | 0.0000 | 0.0000 | 83.452 | 0.05835 | 0.00000 | 319537.6 | 126236.7 | 183122.1 | S |
| 86.750 | 0.0000 | 0.0000 | 83.452 | 0.05834 | 0.00000 | 319537.6 | 126238.5 | 183122.1 | S |
| 86.758 | 0.0000 | 0.0000 | 83.452 | 0.05833 | 0.00000 | 319537.6 | 126240.2 | 183122.1 | S |
| 86.767 | 0.0000 | 0.0000 | 83.452 | 0.05832 | 0.00000 | 319537.6 | 126242.0 | 183122.1 | S |
| 86.775 | 0.0000 | 0.0000 | 83.451 | 0.05831 | 0.00000 | 319537.6 | 126243.7 | 183122.1 | S |
| 86.783 | 0.0000 | 0.0000 | 83.451 | 0.05830 | 0.00000 | 319537.6 | 126245.5 | 183122.1 | S |
| 86.792 | 0.0000 | 0.0000 | 83.451 | 0.05829 | 0.00000 | 319537.6 | 126247.2 | 183122.1 | S |
| 86.800 | 0.0000 | 0.0000 | 83.451 | 0.05828 | 0.00000 | 319537.6 | 126249.0 | 183122.1 | S |
| 86.808 | 0.0000 | 0.0000 | 83.450 | 0.05827 | 0.00000 | 319537.6 | 126250.7 | 183122.1 | S |
| 86.817 | 0.0000 | 0.0000 | 83.450 | 0.05826 | 0.00000 | 319537.6 | 126252.5 | 183122.1 | S |
| 86.825 | 0.0000 | 0.0000 | 83.450 | 0.05825 | 0.00000 | 319537.6 | 126254.2 | 183122.1 | S |
| 86.833 | 0.0000 | 0.0000 | 83.450 | 0.05824 | 0.00000 | 319537.6 | 126256.0 | 183122.1 | S |
| 86.842 | 0.0000 | 0.0000 | 83.450 | 0.05823 | 0.00000 | 319537.6 | 126257.7 | 183122.1 | S |
| 86.850 | 0.0000 | 0.0000 | 83.449 | 0.05823 | 0.00000 | 319537.6 | 126259.5 | 183122.1 | S |
| 86.858 | 0.0000 | 0.0000 | 83.449 | 0.05822 | 0.00000 | 319537.6 | 126261.2 | 183122.1 | S |
| 86.867 | 0.0000 | 0.0000 | 83.449 | 0.05821 | 0.00000 | 319537.6 | 126263.0 | 183122.1 | S |
| 86.875 | 0.0000 | 0.0000 | 83.449 | 0.05820 | 0.00000 | 319537.6 | 126264.7 | 183122.1 | S |
| 86.883 | 0.0000 | 0.0000 | 83.449 | 0.05819 | 0.00000 | 319537.6 | 126266.5 | 183122.1 | S |
| 86.892 | 0.0000 | 0.0000 | 83.448 | 0.05818 | 0.00000 | 319537.6 | 126268.2 | 183122.1 | S |
| 86.900 | 0.0000 | 0.0000 | 83.448 | 0.05817 | 0.00000 | 319537.6 | 126269.9 | 183122.1 | S |
| 86.908 | 0.0000 | 0.0000 | 83.448 | 0.05816 | 0.00000 | 319537.6 | 126271.7 | 183122.1 | S |
| 86.917 | 0.0000 | 0.0000 | 83.448 | 0.05815 | 0.00000 | 319537.6 | 126273.4 | 183122.1 | S |
| 86.925 | 0.0000 | 0.0000 | 83.448 | 0.05814 | 0.00000 | 319537.6 | 126275.2 | 183122.1 | S |
| 86.933 | 0.0000 | 0.0000 | 83.447 | 0.05813 | 0.00000 | 319537.6 | 126276.9 | 183122.1 | S |
| 86.942 | 0.0000 | 0.0000 | 83.447 | 0.05812 | 0.00000 | 319537.6 | 126278.7 | 183122.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario $1::$ pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{t}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 86.950 | 0.0000 | 0.0000 | 83.447 | 0.05811 | 0.00000 | 319537.6 | 126280.4 | 183122.1 | S |
| 86.958 | 0.0000 | 0.0000 | 83.447 | 0.05810 | 0.00000 | 319537.6 | 126282.1 | 183122.1 | S |
| 86.967 | 0.0000 | 0.0000 | 83.446 | 0.05809 | 0.00000 | 319537.6 | 126283.9 | 183122.1 | S |
| 86.975 | 0.0000 | 0.0000 | 83.446 | 0.05808 | 0.00000 | 319537.6 | 126285.6 | 183122.1 | S |
| 86.983 | 0.0000 | 0.0000 | 83.446 | 0.05807 | 0.00000 | 319537.6 | 126287.4 | 183122.1 | S |
| 86.992 | 0.0000 | 0.0000 | 83.446 | 0.05806 | 0.00000 | 319537.6 | 126289.1 | 183122.1 | S |
| 87.000 | 0.0000 | 0.0000 | 83.446 | 0.05805 | 0.00000 | 319537.6 | 126290.9 | 183122.1 | S |
| 87.008 | 0.0000 | 0.0000 | 83.445 | 0.05804 | 0.00000 | 319537.6 | 126292.6 | 183122.1 | S |
| 87.017 | 0.0000 | 0.0000 | 83.445 | 0.05803 | 0.00000 | 319537.6 | 126294.3 | 183122.1 | S |
| 87.025 | 0.0000 | 0.0000 | 83.445 | 0.05802 | 0.00000 | 319537.6 | 126296.1 | 183122.1 | S |
| 87.033 | 0.0000 | 0.0000 | 83.445 | 0.05801 | 0.00000 | 319537.6 | 126297.8 | 183122.1 | S |
| 87.042 | 0.0000 | 0.0000 | 83.445 | 0.05800 | 0.00000 | 319537.6 | 126299.6 | 183122.1 | S |
| 87.050 | 0.0000 | 0.0000 | 83.444 | 0.05799 | 0.00000 | 319537.6 | 126301.3 | 183122.1 | S |
| 87.058 | 0.0000 | 0.0000 | 83.444 | 0.05798 | 0.00000 | 379537.6 | 126303.0 | 183122.1 | S |
| 87.067 | 0.0000 | 0.0000 | 83.444 | 0.05797 | 0.00000 | 319537.6 | 126304.8 | 183122.1 | S |
| 87.075 | 0.0000 | 0.0000 | 83.444 | 0.05796 | 0.00000 | 319537.6 | 126306.5 | 183122.1 | S |
| 87.083 | 0.0000 | 0.0000 | 83.444 | 0.05795 | 0.00000 | 319537.6 | 126308.3 | 183122.1 | S |
| 87.092 | 0.0000 | 0.0000 | 83.443 | 0.05794 | 0.00000 | 319537.6 | 126310.0 | 183122.1 | S |
| 87.100 | 0.0000 | 0.0000 | 83.443 | 0.05793 | 0.00000 | 319537.6 | 126311.7 | 183122.1 | S |
| 87.108 | 0.0000 | 0.0000 | 83.443 | 0.05792 | 0.00000 | 319537.6 | 126313.5 | 183122.1 | S |
| 87.117 | 0.0000 | 0.0000 | 83.443 | 0.05791 | 0.00000 | 319537.6 | 126315.2 | 183122.1 | S |
| 87.125 | 0.0000 | 0.0000 | 83.442 | 0.05790 | 0.00000 | 319537.6 | 126316.9 | 183122.1 | S |
| 87.133 | 0.0000 | 0.0000 | 83.442 | 0.05789 | 0.00000 | 319537.6 | 126318.7 | 183122.1 | S |
| 87.142 | 0.0000 | 0.0000 | 83.442 | 0.05788 | 0.00000 | 319537.6 | 126320.4 | 183122.1 | S |
| 87.150 | 0.0000 | 0.0000 | 83.442 | 0.05787 | 0.00000 | 319537.6 | 126322.2 | 183122.1 | S |
| 87.158 | 0.0000 | 0.0000 | 83.442 | 0.05786 | 0.00000 | 319537.6 | 126323.9 | 183122.1 | S |
| 87.167 | 0.0000 | 0.0000 | 83.441 | 0.05785 | 0.00000 | 319537.6 | 126325.6 | 183122.1 | S |
| 87.175 | 0.0000 | 0.0000 | 83.441 | 0.05784 | 0.00000 | 319537.6 | 126327.4 | 183122.1 | S |
| 87.183 | 0.0000 | 0.0000 | 83.441 | 0.05783 | 0.00000 | 319537.6 | 126329.1 | 183122.1 | S |
| 87.192 | 0.0000 | 0.0000 | 83.441 | 0.05782 | 0.00000 | 319537.6 | 126330.8 | 183122.1 | S |
| 87.200 | 0.0000 | 0.0000 | 83.441 | 0.05781 | 0.00000 | 319537.6 | 126332.6 | 183122.1 | S |
| 87.208 | 0.0000 | 0.0000 | 83.440 | 0.05780 | 0.00000 | 319537.6 | 126334.3 | 183122.1 | S |
| 87.217 | 0.0000 | 0.0000 | 83.440 | 0.05779 | 0.00000 | 319537.6 | 126336.0 | 183122.1 | S |
| 87.225 | 0.0000 | 0.0000 | 83.440 | 0.05778 | 0.00000 | 319537.6 | 126337.8 | 183122.1 | S |
| 87.233 | 0.0000 | 0.0000 | 83.440 | 0.05777 | 0.00000 | 319537.6 | 126339.5 | 183122.1 | S |
| 87.242 | 0.0000 | 0.0000 | 83.440 | 0.05776 | 0.00000 | 319537.6 | 126341.2 | 183122.1 | S |
| 87.250 | 0.0000 | 0.0000 | 83.439 | 0.05776 | 0.00000 | 319537.6 | 126343.0 | 183122.1 | S |
| 87.258 | 0.0000 | 0.0000 | 83.439 | 0.05775 | 0.00000 | 319537.6 | 126344.7 | 183122.1 | S |
| 87.267 | 0.0000 | 0.0000 | 83.439 | 0.05774 | 0.00000 | 319537.6 | 126346.4 | 183122.1 | S |
| 87.275 | 0.0000 | 0.0000 | 83.439 | 0.05773 | 0.00000 | 319537.6 | 126348.2 | 183122.1 | S |
| 87.283 | 0.0000 | 0.0000 | 83.439 | 0.05772 | 0.00000 | 319537.6 | 126349.9 | 183122.1 | S |
| 87.292 | 0.0000 | 0.0000 | 83.438 | 0.05771 | 0.00000 | 319537.6 | 126351.6 | 183122.1 | S |
| 87.300 | 0.0000 | 0.0000 | 83.438 | 0.05770 | 0.00000 | 319537.6 | 126353.4 | 183122.1 | S |
| 87.308 | 0.0000 | 0.0000 | 83.438 | 0.05769 | 0.00000 | 319537.6 | 126355.1 | 183122.1 | S |
| 87.317 | 0.0000 | 0.0000 | 83.438 | 0.05768 | 0.00000 | 319537.6 | \$26356.8 | 183122.1 | S |
| 87.325 | 0.0000 | 0.0000 | 83.437 | 0.05767 | 0.00000 | 319537.6 | 126358.6 | 183122.1 | S |
| 87.333 | 0.0000 | 0.0000 | 83.437 | 0.05766 | 0.00000 | 319537.6 | 126360.3 | 183122.1 | S |
| 87.342 | 0.0000 | 0.0000 | 83.437 | 0.05765 | 0.00000 | 319537.6 | 126362.0 | 183122.1 | S |
| 87.350 | 0.0000 | 0.0000 | 83.437 | 0.05764 | 0.00000 | 319537.6 | 126363.7 | 183122.1 | S |
| 87.358 | 0.0000 | 0.0000 | 83.437 | 0.05763 | 0.00000 | 319537.6 | 126365.5 | 183122.1 | S |
| 87.367 | 0.0000 | 0.0000 | 83.436 | 0.05762 | 0.00000 | 319537.6 | 126367.2 | 183122.1 | S |
| 87.375 | 0.0000 | 0.0000 | 83.436 | 0.05761 | 0.00000 | 319537.6 | 126368.9 | 183122.1 | S |
| 87.383 | 0.0000 | 0.0000 | 83.436 | 0.05760 | 0.00000 | 319537.6 | 126370.7 | 183122.1 | S |
| 87.392 | 0.0000 | 0.0000 | 83.436 | 0.05759 | 0.00000 | 319537.6 | 126372.4 | 183122.1 | S |
| 87.400 | 0.0000 | 0.0000 | 83.436 | 0.05758 | 0.00000 | 319537.6 | 126374.1 | 183122.1 | S |
| 87.408 | 0.0000 | 0.0000 | 83.435 | 0.05757 | 0.00000 | 319537.6 | 126375.8 | 183122.1 | S |
| 87.417 | 0.0000 | 0.0000 | 83.435 | 0.05756 | 0.00000 | 319537.6 | 126377.6 | 183122.1 | S |
| 87.425 | 0.0000 | 0.0000 | 83.435 | 0.05755 | 0.00000 | 319537.6 | 126379.3 | 183122.1 | S |
| 87.433 | 0.0000 | 0.0000 | 83.435 | 0.05754 | 0.00000 | 319537.6 | 126381.0 | 183122.1 | S |
| 87.442 | 0.0000 | 0.0000 | 83.435 | 0.05753 | 0.00000 | 319537.6 | 126382.7 | 183122.1 | S |
| 87.450 | 0,0000 | 0.0000 | 83.434 | 0.05752 | 0.00000 | 319537.6 | 126384.5 | 183122.1 | S |
| 87.458 | 0.0000 | 0.0000 | 83.434 | 0.05751 | 0.00000 | 319537.6 | 126386.2 | 183122.1 | S |
| 87.467 | 0.0000 | 0.0000 | 83.434 | 0.05750 | 0.00000 | 319537.6 | 126387.9 | 183122.1 | S |
| 87.475 | 0.0000 | 0.0000 | 83.434 | 0.05749 | 0.00000 | 319537.6 | 126389.6 | 183122.1 | S |
| 87.483 | 0,0000 | 0.0000 | 83.434 | 0.05748 | 0.00000 | 319537.6 | 126391.4 | 183122.1 | S |
| 87.492 | 0.0000 | 0.0000 | 83.433 | 0.05747 | 0.00000 | 319537.6 | 126393.1 | 183122.1 | S |
| 87.500 | 0.0000 | 0.0000 | 83.433 | 0.05746 | 0.00000 | 319537.6 | 126394.8 | 183122.1 | S |
| 87.508 | 0.0000 | 0.0000 | 83.433 | 0.05745 | 0.00000 | 319537.6 | 126396.5 | 183122.1 | S |
| 87.517 | 0.0000 | 0.0000 | 83.433 | 0.05745 | 0.00000 | 319537.6 | 126398.3 | 183122.1 | S |
| 87.525 | 0.0000 | 0.0000 | 83.432 | 0.05744 | 0.00000 | 319537.6 | 126400.0 | 183122.1 | S |
| 87.533 | 0.0000 | 0.0000 | 83.432 | 0.05743 | 0.00000 | 319537.6 | 126401.7 | 183122.1 | S |
| 87.542 | 0.0000 | 0.0000 | 83.432 | 0.05742 | 0.00000 | 319537.6 | 126403.4 | 183122.1 | S |
| 87.550 | 0.0000 | 0.0000 | 83.432 | 0.05741 | 0.00000 | 319537.6 | 126405.2 | 183122.1 | S |
| 87.558 | 0.0000 | 0.0000 | 83.432 | 0.05740 | 0.00000 | 319537.6 | 126406.9 | 183122.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{fl}^{3 / \mathrm{s}}$ ) | Outside Recharge (f/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{H}^{3 / 3}$ ) | Overflow Discharge ( $\mathrm{H}^{3} / \mathrm{s}$ ) | $\begin{gathered} \text { Cumulative } \\ \text { Inflow } \\ \text { Volume }\left(\mathrm{ft}^{3}\right) \\ \hline \end{gathered}$ | Cumulative infifitration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | $\begin{aligned} & \text { Flow } \\ & \text { Type } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 87.567 | 0.0000 | 0.0000 | 83.431 | 0.05739 | 0.00000 | 319537.6 | 126408.6 | 183122.1 | S |
| 87.575 | 0.0000 | 0.0000 | 83.431 | 0.05738 | 0.00000 | 319537.6 | 126410.3 | 183122.1 | S |
| 87.583 | 0.0000 | 0.0000 | 83.431 | 0.05737 | 0.00000 | 319537.6 | 126412.0 | 183122.1 | S |
| 87.592 | 0.0000 | 0.0000 | 83.431 | 0.05736 | 0.00000 | 319537.6 | 126413.8 | 183122.1 | S |
| 87.600 | 0.0000 | 0.0000 | 83.431 | 0.05735 | 0.00000 | 319537.6 | 126415.5 | 183122.1 | S |
| 87.608 | 0.0000 | 0.0000 | 83.430 | 0.05734 | 0.00000 | 319537.6 | 126417.2 | 183122.1 | S |
| 87.617 | 0.0000 | 0.0000 | 83.430 | 0.05733 | 0.00000 | 319537.6 | 126418.9 | 183122.1 | S |
| 87.625 | 0.0000 | 0.0000 | 83.430 | 0.05732 | 0.00000 | 319537.6 | 126420.6 | 183122.1 | S |
| 87.633 | 0.0000 | 0.0000 | 83.430 | 0.05731 | 0.00000 | 319537.6 | 126422.4 | 183122.1 | S |
| 87.642 | 0.0000 | 0.0000 | 83.430 | 0.05730 | 0.00000 | 319537.6 | 126424.1 | 183122.1 | S |
| 87.650 | 0.0000 | 0.0000 | 83.429 | 0.05729 | 0.00000 | 319537.6 | 126425.8 | 183122.1 | S |
| 87.658 | 0.0000 | 0.0000 | 83.429 | 0.05728 | 0.00000 | 319537.6 | 126427.5 | 183122.1 | S |
| 87.667 | 0.0000 | 0.0000 | 83.429 | 0.05727 | 0.00000 | 319537.6 | 126429.2 | 183122.1 | S |
| 87.675 | 0.0000 | 0.0000 | 83.429 | 0.05726 | 0.00000 | 319537.6 | 126431.0 | 183122.1 | S |
| 87.683 | 0.0000 | 0.0000 | 83.429 | 0.05725 | 0.00000 | 319537.6 | 126432.7 | 183122.1 | S |
| 87.692 | 0.0000 | 0.0000 | 83.428 | 0.05724 | 0.00000 | 319537.6 | 126434.4 | 183122.1 | S |
| 87.700 | 0.0000 | 0.0000 | 83.428 | 0.05723 | 0.00000 | 319537.6 | 126436.1 | 183122.1 | S |
| 87.708 | 0.0000 | 0.0000 | 83.428 | 0.05722 | 0.00000 | 319537.6 | 126437.8 | 183122.1 | S |
| 87.717 | 0.0000 | 0.0000 | 83.428 | 0.05721 | 0.00000 | 319537.6 | 126439.5 | 183122.1 | S |
| 87.725 | 0.0000 | 0.0000 | 83.427 | 0.05720 | 0.00000 | 319537.6 | 126441.3 | 183122.1 | S |
| 87.733 | 0.0000 | 0.0000 | 83.427 | 0.05720 | 0.00000 | 319537.6 | 126443.0 | 983122.1 | S |
| 87.742 | 0.0000 | 0.0000 | 83.427 | 0.05719 | 0.00000 | 319537.6 | 126444.7 | 183122.1 | S |
| 87.750 | 0.0000 | 0.0000 | 83.427 | 0.05718 | 0.00000 | 319537.6 | 126446.4 | 183122.1 | S |
| 87.758 | 0.0000 | 0.0000 | 83.427 | 0.05717 | 0.00000 | 319537.6 | 126448.1 | 183122.1 | S |
| 87.767 | 0.0000 | 0.0000 | 83.426 | 0.05716 | 0.00000 | 319537.6 | 126449.8 | 183122.1 | S |
| 87.775 | 0.0000 | 0.0000 | 83.426 | 0.05715 | 0.00000 | 319537.6 | 126451.6 | 183122.1 | S |
| 87.783 | 0.0000 | 0.0000 | 83.426 | 0.05714 | 0.00000 | 319537.6 | 126453.3 | 183122.1 | S |
| 87.792 | 0.0000 | 0.0000 | 83.426 | 0.05713 | 0.00000 | 319537.6 | 126455.0 | 183122.1 | S |
| 87.800 | 0.0000 | 0.0000 | 83.426 | 0.05712 | 0.00000 | 319537.6 | 126456.7 | 183122.1 | S |
| 87.808 | 0.0000 | 0.0000 | 83.425 | 0.05711 | 0.00000 | 319537.6 | 126458.4 | 183122.1 | S |
| 87.817 | 0.0000 | 0.0000 | 83.425 | 0.05710 | 0.00000 | 319537.6 | 126460.1 | 183122.1 | S |
| 87.825 | 0.0000 | 0.0000 | 83.425 | 0.05709 | 0.00000 | 319537.6 | 126461.8 | 183122.1 | S |
| 87.833 | 0.0000 | 0.0000 | 83.425 | 0.05708 | 0.00000 | 319537.6 | 126463.5 | 183122.1 | S |
| 87.842 | 0.0000 | 0.0000 | 83.425 | 0.05707 | 0.00000 | 319537.6 | 126465.3 | 183122.1 | S |
| 87.850 | 0.0000 | 0.0000 | 83.424 | 0.05706 | 0.00000 | 319537.6 | 126467.0 | 183122.1 | S |
| 87.858 | 0.0000 | 0.0000 | 83.424 | 0.05705 | 0.00000 | 319537.6 | 126468.7 | 183122.1 | S |
| 87.867 | 0.0000 | 0.0000 | 83.424 | 0.05704 | 0.00000 | 319537.6 | 126470.4 | 183122.1 | S |
| 87.875 | 0.0000 | 0.0000 | 83.424 | 0.05703 | 0.00000 | 319537.6 | 126472.1 | 183122.1 | S |
| 87.883 | 0.0000 | 0.0000 | 83.424 | 0.05702 | 0.00000 | 319537.6 | 126473.8 | 183122.1 | S |
| 87.892 | 0.0000 | 0.0000 | 83.423 | 0.05701 | 0.00000 | 319537.6 | 126475.5 | 183122.1 | S |
| 87.900 | 0.0000 | 0.0000 | 83.423 | 0.05700 | 0.00000 | 319537.6 | 126477.2 | 183122.1 | S |
| 87.908 | 0.0000 | 0.0000 | 83.423 | 0.05699 | 0.00000 | 319537.6 | 126478.9 | 183122.1 | S |
| 87.917 | 0.0000 | 0.0000 | 83.423 | 0.05698 | 0.00000 | 319537.6 | 126480.7 | 183122.1 | S |
| 87.925 | 0.0000 | 0.0000 | 83.423 | 0.05698 | 0.00000 | 319537.6 | 126482.4 | 183122.1 | S |
| 87.933 | 0.0000 | 0.0000 | 83.422 | 0.05697 | 0.00000 | 319537.6 | 126484.1 | 183122.1 | S |
| 87.942 | 0.0000 | 0.0000 | 83.422 | 0.05696 | 0.00000 | 319537.6 | 126485.8 | 183122.1 | S |
| 87.950 | 0.0000 | 0.0000 | 83.422 | 0.05695 | 0.00000 | 319537.6 | 126487.5 | 183122.1 | S |
| 87.958 | 0.0000 | 0.0000 | 83.422 | 0.05694 | 0.00000 | 319537.6 | 126489.2 | 183122.1 | S |
| 87.967 | 0.0000 | 0.0000 | 83.421 | 0.05693 | 0.00000 | 319537.6 | 126490.9 | 183122.1 | S |
| 87.975 | 0.0000 | 0.0000 | 83.421 | 0.05692 | 0.00000 | 319537.6 | 126492.6 | 183122.1 | S |
| 87.983 | 0.0000 | 0.0000 | 83.421 | 0.05691 | 0.00000 | 319537.6 | 126494.3 | 183122.1 | S |
| 87.992 | 0.0000 | 0.0000 | 83.421 | 0.05690 | 0.00000 | 319537.6 | 126496.0 | 183122.1 | S |
| 88.000 | 0.0000 | 0.0000 | 83.421 | 0.05689 | 0.00000 | 319537.6 | 126497.7 | 183122.1 | S |
| 88.008 | 0.0000 | 0.0000 | 83.420 | 0.05688 | 0.00000 | 319537.6 | 126499.4 | 183122.1 | S |
| 88.017 | 0.0000 | 0.0000 | 83.420 | 0.05687 | 0.00000 | 319537.6 | 126501.1 | 183122.1 | S |
| 88.025 | 0.0000 | 0.0000 | 83.420 | 0.05686 | 0.00000 | 319537.6 | 126502.9 | 183122.1 | S |
| 88.033 | 0.0000 | 0.0000 | 83.420 | 0.05685 | 0.00000 | 319537.6 | 126504.6 | 183122.1 | S |
| 88.042 | 0.0000 | 0.0000 | 83.420 | 0.05684 | 0.00000 | 319537.6 | 126506.3 | 183122.1 | S |
| 88.050 | 0.0000 | 0.0000 | 83.419 | 0.05683 | 0.00000 | 319537.6 | 126508.0 | 183122.1 | S |
| 88.058 | 0.0000 | 0.0000 | 83.419 | 0.05682 | 0.00000 | 319537.6 | 126509.7 | 183122.1 | S |
| 88.067 | 0.0000 | 0.0000 | 83.419 | 0.05681 | 0.00000 | 319537.6 | 126511.4 | 183122.1 | S |
| 88.075 | 0.0000 | 0.0000 | 83.419 | 0.05680 | 0.00000 | 319537.6 | 126513.1 | 183122.1 | S |
| 88.083 | 0.0000 | 0.0000 | 83.419 | 0.05679 | 0.00000 | 319537.6 | 126514.8 | 183422.1 | S |
| 88.092 | 0.0000 | 0.0000 | 83.418 | 0.05679 | 0.00000 | 319537.6 | 126516.5 | 183122.1 | S |
| 88.100 | 0.0000 | 0.0000 | 83.418 | 0.05678 | 0.00000 | 319537.6 | 126518.2 | 183122.1 | S |
| 88.108 | 0.0000 | 0.0000 | 83.418 | 0.05677 | 0.00000 | 319537.6 | 126519.9 | 183122.1 | S |
| 88.117 | 0.0000 | 0.0000 | 83.418 | 0.05676 | 0.00000 | 319537.6 | 126521.6 | 183122.1 | S |
| 88.125 | 0.0000 | 0.0000 | 83.418 | 0.05675 | 0.00000 | 319537.6 | 126523.3 | 183122.1 | S |
| 88.133 | 0.0000 | 0.0000 | 83.417 | 0.05674 | 0.00000 | 319537.6 | 126525.0 | 183122.1 | S |
| 88.142 | 0.0000 | 0.0000 | 83.417 | 0.05673 | 0.00000 | 319537.6 | 126526.7 | 183122.1 | S |
| 88.150 | 0.0000 | 0.0000 | 83.417 | 0.05672 | 0.00000 | 319537.6 | 126528.4 | 183122.1 | S |
| 88.158 | 0.0000 | 0.0000 | 83.417 | 0.05671 | 0.00000 | 319537.6 | 126530.1 | 483122.1 | S |
| 88.167 | 0.0000 | 0.0000 | 83.417 | 0.05670 | 0.00000 | 319537.6 | 126531.8 | 183122.1 | S |
| 88.175 | 0.0000 | 0.0000 | 83.416 | 0.05669 | 0.00000 | 319537.6 | 126533.5 | 183122.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | inflow Rate (ft ${ }^{3 / s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume (ft ${ }^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 88.183 | 0.0000 | 0.0000 | 83.416 | 0.05668 | 0.00000 | 319537.6 | 126535.2 | 183122.1 | S |
| 88.192 | 0.0000 | 0.0000 | 83.416 | 0.05667 | 0.00000 | 319537.6 | 126536.9 | 183122.1 | S |
| 88.200 | 0.0000 | 0.0000 | 83.416 | 0.05666 | 0.00000 | 319537.6 | 126538.6 | 183122.1 | S |
| 88.208 | 0.0000 | 0.0000 | 83.415 | 0.05665 | 0.00000 | 319537.6 | 126540.3 | 183122.1 | S |
| 88.217 | 0.0000 | 0.0000 | 83.415 | 0.05664 | 0.00000 | 319537.6 | 126542.0 | 183122.1 | S |
| 88.225 | 0.0000 | 0.0000 | 83.415 | 0.05663 | 0.00000 | 319537.6 | 126543.7 | 183122.1 | S |
| 88.233 | 0.0000 | 0.0000 | 83.415 | 0.05662 | 0.00000 | 319537.6 | 126545.4 | 183122.1 | S |
| 88.242 | 0.0000 | 0.0000 | 83.415 | 0.05662 | 0.00000 | 319537.6 | 126547.1 | 183122.1 | S |
| 88.250 | 0.0000 | 0.0000 | 83.414 | 0.05661 | 0.00000 | 319537.6 | 126548.8 | 183122.1 | S |
| 88.258 | 0.0000 | 0.0000 | 83.414 | 0.05660 | 0.00000 | 319537.6 | 126550.5 | 183122.1 | S |
| 88.267 | 0.0000 | 0.0000 | 83.414 | 0.05659 | 0.00000 | 319537.6 | 126552.2 | 183122.1 | S |
| 88.275 | 0.0000 | 0.0000 | 83.414 | 0.05658 | 0.00000 | 319537.6 | 126553.9 | 183122.1 | S |
| 88.283 | 0.0000 | 0.0000 | 83.414 | 0.05657 | 0.00000 | 319537.6 | 126555.6 | 183122.1 | S |
| 88.292 | 0.0000 | 0.0000 | 83.413 | 0.05656 | 0.00000 | 319537.6 | 126557.3 | 183122.1 | S |
| 88.300 | 0.0000 | 0.0000 | 83.413 | 0.05655 | 0.00000 | 319537.6 | 126559.0 | 183122.1 | S |
| 88.308 | 0.0000 | 0.0000 | 83.413 | 0.05654 | 0.00000 | 319537.6 | 126560.7 | 183122.1 | S |
| 88.317 | 0.0000 | 0.0000 | 83.413 | 0.05653 | 0.00000 | 319537.6 | 126562.4 | 183122.1 | S |
| 88.325 | 0.0000 | 0.0000 | 83.413 | 0.05652 | 0.00000 | 319537.6 | 126564.1 | 183122.1 | S |
| 88.333 | 0.0000 | 0.0000 | 83.412 | 0.05651 | 0.00000 | 319537.6 | 126565.8 | 183122.1 | S |
| 88.342 | 0.0000 | 0.0000 | 83.412 | 0.05650 | 0.00000 | 319537.6 | 126567.5 | 183122.1 | S |
| 88.350 | 0.0000 | 0.0000 | 83.412 | 0.05649 | 0.00000 | 319537.6 | 126569.2 | 183122.1 | S |
| 88.358 | 0.0000 | 0.0000 | 83.412 | 0.05648 | 0.00000 | 319537.6 | 126570.9 | 183122.1 | S |
| 88.367 | 0.0000 | 0.0000 | 83.412 | 0.05647 | 0.00000 | 319537.6 | 126572.6 | 183122.1 | S |
| 88.375 | 0.0000 | 0.0000 | 83.411 | 0.05646 | 0.00000 | 319537.6 | 126574.3 | 183122.1 | S |
| 88.383 | 0.0000 | 0.0000 | 83.411 | 0.05645 | 0.00000 | 319537.6 | 126575.9 | 183122.1 | S |
| 88.392 | 0.0000 | 0.0000 | 83.411 | 0.05645 | 0.00000 | 319537.6 | 126577.6 | 183122.1 | S |
| 88.400 | 0.0000 | 0.0000 | 83.411 | 0.05644 | 0.00000 | 319537.6 | 126579.3 | 183122.1 | S |
| 88.408 | 0.0000 | 0.0000 | 83.411 | 0.05643 | 0.00000 | 319537.6 | 126581.0 | 183122.1 | S |
| 88.417 | 0.0000 | 0.0000 | 83.410 | 0.05642 | 0.00000 | 319537.6 | 126582.7 | 183122.1 | S |
| 88.425 | 0.0000 | 0.0000 | 83.410 | 0.05641 | 0.00000 | 319537.6 | 126584.4 | 183122.1 | S |
| 88.433 | 0.0000 | 0.0000 | 83.410 | 0.05640 | 0.00000 | 319537.6 | 126586.1 | 183122.1 | S |
| 88.442 | 0.0000 | 0.0000 | 83.410 | 0.05639 | 0.00000 | 319537.6 | 126587.8 | 183122.1 | S |
| 88.450 | 0.0000 | 0.0000 | 83.410 | 0.05638 | 0.00000 | 319537.6 | 126589.5 | 183122.1 | S |
| 88.458 | 0.0000 | 0.0000 | 83.409 | 0.05637 | 0.00000 | 319537.6 | 126591.2 | 183122.1 | S |
| 88.467 | 0.0000 | 0.0000 | 83.409 | 0.05636 | 0.00000 | 319537.6 | 126592.9 | 183122.1 | S |
| 88.475 | 0.0000 | 0.0000 | 83.409 | 0.05635 | 0.00000 | 319537.6 | 126594.6 | 183122.1 | S |
| 88.483 | 0.0000 | 0.0000 | 83.409 | 0.05634 | 0.00000 | 319537.6 | 126596.3 | 783122.1 | S |
| 88.492 | 0.0000 | 0.0000 | 83.409 | 0.05633 | 0.00000 | 319537.6 | 126597.9 | 183122.1 | S |
| 88.500 | 0.0000 | 0.0000 | 83.408 | 0.05632 | 0.00000 | 319537.6 | 126599.6 | 183122.1 | S |
| 88.508 | 0.0000 | 0.0000 | 83.408 | 0.05631 | 0.00000 | 319537.6 | 126601.3 | 183122.1 | S |
| 88.517 | 0.0000 | 0.0000 | 83.408 | 0.05630 | 0.00000 | 319537.6 | 126603.0 | 183122.1 | S |
| 88.525 | 0.0000 | 0.0000 | 83.408 | 0.05630 | 0.00000 | 319537.6 | 126604.7 | 183122.1 | S |
| 88.533 | 0.0000 | 0.0000 | 83.407 | 0.05629 | 0.00000 | 319537.6 | 126606.4 | 183122.1 | S |
| 88.542 | 0.0000 | 0.0000 | 83.407 | 0.05628 | 0.00000 | 319537.6 | 126608.1 | 183122.1 | S |
| 88.550 | 0.0000 | 0.0000 | 83.407 | 0.05627 | 0.00000 | 319537.6 | 126609.8 | 183122.1 | S |
| 88.558 | 0.0000 | 0.0000 | 83.407 | 0.05626 | 0.00000 | 319537.6 | 126611.4 | 183122.1 | S |
| 88.567 | 0.0000 | 0.0000 | 83.407 | 0.05625 | 0.00000 | 319537.6 | 126613.1 | 183122.1 | S |
| 88.575 | 0.0000 | 0.0000 | 83.406 | 0.05624 | 0.00000 | 319537.6 | 126614.8 | 183122.1 | S |
| 88.583 | 0.0000 | 0.0000 | 83.406 | 0.05623 | 0.00000 | 319537.6 | 126616.5 | 183122.1 | S |
| 88.592 | 0.0000 | 0.0000 | 83.406 | 0.05622 | 0.00000 | 319537.6 | 126618.2 | 183122.1 | S |
| 88.600 | 0.0000 | 0.0000 | 83.406 | 0.05621 | 0.00000 | 319537.6 | 126619.9 | 183122.1 | S |
| 88.608 | 0.0000 | 0.0000 | 83.406 | 0.05620 | 0.00000 | 319537.6 | $\uparrow 26621.6$ | 183122.1 | S |
| 88.617 | 0.0000 | 0.0000 | 83.405 | 0.05619 | 0.00000 | 319537.6 | 126623.3 | 183122.1 | S |
| 88.625 | 0.0000 | 0.0000 | 83.405 | 0.05618 | 0.00000 | 319537.6 | 126624.9 | 183122.1 | S |
| 88.633 | 0.0000 | 0.0000 | 83.405 | 0.05617 | 0.00000 | 319537.6 | 126626.6 | 183122.1 | S |
| 88.642 | 0.0000 | 0.0000 | 83.405 | 0.05616 | 0.00000 | 319537.6 | 126628.3 | 183122.1 | S |
| 88.650 | 0.0000 | 0.0000 | 83.405 | 0.05616 | 0.00000 | 319537.6 | 126630.0 | 183122.1 | S |
| 88.658 | 0.0000 | 0.0000 | 83.404 | 0.05615 | 0.00000 | 319537.6 | 126631.7 | 183122.1 | S |
| 88.667 | 0.0000 | 0.0000 | 83.404 | 0.05614 | 0.00000 | 319537.6 | 126633.4 | 183122.1 | S |
| 88.675 | 0.0000 | 0.0000 | 83.404 | 0.05613 | 0.00000 | 319537.6 | 126635.0 | 183122.1 | S |
| 88.683 | 0.0000 | 0.0000 | 83.404 | 0.05612 | 0.00000 | 319537.6 | 126636.7 | 183122.1 | S |
| 88.692 | 0.0000 | 0.0000 | 83.404 | 0.05611 | 0.00000 | 319537.6 | 126638.4 | 183122.1 | S |
| 88.700 | 0.0000 | 0.0000 | 83.403 | 0.05610 | 0.00000 | 319537.6 | 126640.1 | 183122.1 | S |
| 88.708 | 0.0000 | 0.0000 | 83.403 | 0.05609 | 0.00000 | 319537.6 | 126641.8 | 183122.1 | S |
| 88.717 | 0.0000 | 0.0000 | 83.403 | 0.05608 | 0.00000 | 319537.6 | 126643.5 | 183122.1 | S |
| 88.725 | 0.0000 | 0.0000 | 83.403 | 0.05607 | 0.00000 | 319537.6 | 126645.1 | 183122.1 | S |
| 88.733 | 0.0000 | 0.0000 | 83.403 | 0.05606 | 0.00000 | 319537.6 | 126646.8 | 183122.1 | S |
| 88.742 | 0.0000 | 0.0000 | 83.402 | 0.05605 | 0.00000 | 319537.6 | 126648.5 | 183122.1 | S |
| 88.750 | 0.0000 | 0.0000 | 83.402 | 0.05604 | 0.00000 | 319537.6 | 126650.2 | 183122.1 | S |
| 88.758 | 0.0000 | 0.0000 | 83.402 | 0.05603 | 0.00000 | 319537.6 | 126651.9 | 183122.1 | S |
| 88.767 | 0.0000 | 0.0000 | 83.402 | 0.05603 | 0.00000 | 319537.6 | 126653.6 | 183122.1 | S |
| 88.775 | 0.0000 | 0.0000 | 83.402 | 0.05602 | 0.00000 | 319537.6 | 126655.2 | 183122.1 | S |
| 88.783 | 0.0000 | 0.0000 | 83.401 | 0.05601 | 0.00000 | 319537.6 | 126656.9 | 183122.1 | S |
| 88.792 | 0.0000 | 0.0000 | 83.401 | 0.05600 | 0.00000 | 319537.6 | 126658.6 | 183122.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infitration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 88.800 | 0.0000 | 0.0000 | 83.401 | 0.05599 | 0.00000 | 319537.6 | 126660.3 | 183122.1 | S |
| 88.808 | 0.0000 | 0.0000 | 83.401 | 0.05598 | 0.00000 | 319537.6 | 126662.0 | 183122.1 | S |
| 88.817 | 0.0000 | 0.0000 | 83.401 | 0.05597 | 0.00000 | 319537.6 | 126663.6 | 183122.1 | S |
| 88.825 | 0.0000 | 0.0000 | 83.400 | 0.05596 | 0.00000 | 319537.6 | 126665.3 | 183122.1 | S |
| 88.833 | 0.0000 | 0.0000 | 83.400 | 0.05595 | 0.00000 | 319537.6 | 126667.0 | 183122.1 | S |
| 88.842 | 0.0000 | 0.0000 | 83.400 | 0.05594 | 0.00000 | 319537.6 | 126668.7 | 183122.1 | S |
| 88.850 | 0.0000 | 0.0000 | 83.400 | 0.05593 | 0.00000 | 319537.6 | 126670.3 | 183122.1 | S |
| 88.858 | 0.0000 | 0.0000 | 83.400 | 0.05592 | 0.00000 | 319537.6 | 126672.0 | 183122.1 | S |
| 88.867 | 0.0000 | 0.0000 | 83.399 | 0.05591 | 0.00000 | 319537.6 | 126673.7 | 183122.1 | S |
| 88.875 | 0.0000 | 0.0000 | 83.399 | 0.05590 | 0.00000 | 319537.6 | 126675.4 | 183122.1 | S |
| 88.883 | 0.0000 | 0.0000 | 83.399 | 0.05590 | 0.00000 | 319537.6 | 126677.1 | 183122.1 | S |
| 88.892 | 0.0000 | 0.0000 | 83.399 | 0.05589 | 0.00000 | 319537.6 | 126678.7 | 183122.1 | S |
| 88.900 | 0.0000 | 0.0000 | 83.398 | 0.05588 | 0.00000 | 319537.6 | 126680.4 | 183122.1 | S |
| 88.908 | 0.0000 | 0.0000 | 83.398 | 0.05587 | 0.00000 | 319537.6 | 126682.1 | 183122.7 | S |
| 88.917 | 0.0000 | 0.0000 | 83.398 | 0.05586 | 0.00000 | 319537.6 | 126683.8 | 183122.1 | S |
| 88.925 | 0.0000 | 0.0000 | 83.398 | 0.05585 | 0.00000 | 319537.6 | 126685.4 | 183122.1 | S |
| 88.933 | 0.0000 | 0.0000 | 83.398 | 0.05584 | 0.00000 | 319537.6 | 126687.1 | 183122.1 | S |
| 88.942 | 0.0000 | 0.0000 | 83.397 | 0.05583 | 0.00000 | 319537.6 | 126688.8 | 183122.1 | S |
| 88.950 | 0.0000 | 0.0000 | 83.397 | 0.05582 | 0.00000 | 319537.6 | 126690.5 | 183122.1 | S |
| 88.958 | 0.0000 | 0.0000 | 83.397 | 0.05581 | 0.00000 | 319537.6 | 126692.1 | 183122.1 | S |
| 88.967 | 0.0000 | 0.0000 | 83.397 | 0.05580 | 0.00000 | 319537.6 | 126693.8 | 183122.1 | S |
| 88.975 | 0.0000 | 0.0000 | 83.397 | 0.05579 | 0.00000 | 319537.6 | 126695.5 | 183122.1 | S |
| 88.983 | 0.0000 | 0.0000 | 83.396 | 0.05578 | 0.00000 | 319537.6 | 126697.2 | 183122.1 | S |
| 88.992 | 0.0000 | 0.0000 | 83.396 | 0.05578 | 0.00000 | 319537.6 | 126698.8 | 183122.1 | S |
| 89.000 | 0.0000 | 0.0000 | 83.396 | 0.05577 | 0.00000 | 319537.6 | 126700.5 | 183122.1 | S |
| 89.008 | 0.0000 | 0.0000 | 83.396 | 0.05576 | 0.00000 | 319537.6 | 126702.2 | 183122.1 | S |
| 89.017 | 0.0000 | 0.0000 | 83.396 | 0.05575 | 0.00000 | 319537.6 | 126703.9 | 183122.1 | S |
| 89.025 | 0.0000 | 0.0000 | 83.395 | 0.05574 | 0.00000 | 319537.6 | 126705.5 | 183122.1 | S |
| 89.033 | 0.0000 | 0.0000 | 83.395 | 0.05573 | 0.00000 | 319537.6 | 126707.2 | 183122.1 | S |
| 89.042 | 0.0000 | 0.0000 | 83.395 | 0.05572 | 0.00000 | 319537.6 | 126708.9 | 183122.1 | S |
| 89.050 | 0.0000 | 0.0000 | 83.395 | 0.05571 | 0.00000 | 319537.6 | 126710.5 | 183122.1 | S |
| 89.058 | 0.0000 | 0.0000 | 83.395 | 0.05570 | 0.00000 | 319537.6 | 126712.2 | 183122.1 | S |
| 89.067 | 0.0000 | 0.0000 | 83.394 | 0.05569 | 0.00000 | 319537.6 | 126713.9 | 183122.1 | S |
| 89.075 | 0.0000 | 0.0000 | 83.394 | 0.05568 | 0.00000 | 319537.6 | 126715.6 | 183122.1 | S |
| 89.083 | 0.0000 | 0.0000 | 83.394 | 0.05567 | 0.00000 | 319537.6 | 126717.2 | 183122.1 | S |
| 89.092 | 0.0000 | 0.0000 | 83.394 | 0.05566 | 0.00000 | 319537.6 | 126718.9 | 183122.1 | S |
| 89.100 | 0.0000 | 0.0000 | 83.394 | 0.05566 | 0.00000 | 319537.6 | 126720.6 | 183122.1 | S |
| 89.108 | 0.0000 | 0.0000 | 83.393 | 0.05565 | 0.00000 | 319537.6 | 126722.2 | 183122.1 | S |
| 89.117 | 0.0000 | 0.0000 | 83.393 | 0.05564 | 0.00000 | 319537.6 | 126723.9 | 183122.1 | S |
| 89.125 | 0.0000 | 0.0000 | 83.393 | 0.05563 | 0.00000 | 319537.6 | 126725.6 | 183122.1 | S |
| 89.133 | 0.0000 | 0.0000 | 83.393 | 0.05562 | 0.00000 | 319537.6 | 126727.2 | 183122.1 | S |
| 89.142 | 0.0000 | 0.0000 | 83.393 | 0.05561 | 0.00000 | 319537.6 | 126728.9 | 183122.1 | S |
| 89.150 | 0.0000 | 0.0000 | 83.392 | 0.05560 | 0.00000 | 319537.6 | 126730.6 | 183122.1 | S |
| 89.158 | 0.0000 | 0.0000 | 83.392 | 0.05559 | 0.00000 | 319537.6 | 126732.2 | 183122.1 | S |
| 89.167 | 0.0000 | 0.0000 | 83.392 | 0.05558 | 0.00000 | 319537.6 | 126733.9 | 183122.1 | S |
| 89.175 | 0.0000 | 0.0000 | 83.392 | 0.05557 | 0.00000 | 319537.6 | 126735.6 | 183122.1 | S |
| 89.183 | 0.0000 | 0.0000 | 83.392 | 0.05556 | 0.00000 | 319537.6 | 126737.2 | 183122.1 | S |
| 89.192 | 0.0000 | 0.0000 | 83.391 | 0.05555 | 0.00000 | 319537.6 | 126738.9 | 183122.1 | S |
| 89.200 | 0.0000 | 0.0000 | 83.391 | 0.05555 | 0.00000 | 319537.6 | 126740.6 | 183122.1 | S |
| 89.208 | 0.0000 | 0.0000 | 83.391 | 0.05554 | 0.00000 | 319537.6 | 126742.2 | 183122.1 | S |
| 89.217 | 0.0000 | 0.0000 | 83.391 | 0.05553 | 0.00000 | 319537.6 | 126743.9 | 183122.1 | S |
| 89.225 | 0.0000 | 0.0000 | 83.391 | 0.05552 | 0.00000 | 319537.6 | 126745.6 | 183122.1 | S |
| 89.233 | 0.0000 | 0.0000 | 83.390 | 0.05551 | 0.00000 | 319537.6 | 126747.2 | 183122.1 | S |
| 89.242 | 0.0000 | 0.0000 | 83.390 | 0.05550 | 0.00000 | 319537.6 | 126748.9 | 183122.1 | S |
| 89.250 | 0.0000 | 0.0000 | 83.390 | 0.05549 | 0.00000 | 319537.6 | 126750.6 | 183122.1 | S |
| 89.258 | 0.0000 | 0.0000 | 83.390 | 0.05548 | 0.00000 | 319537.6 | 126752.2 | 183122.1 | S |
| 89.267 | 0.0000 | 0.0000 | 83.390 | 0.05547 | 0.00000 | 319537.6 | 126753.9 | 183122.1 | S |
| 89.275 | 0.0000 | 0.0000 | 83.389 | 0.05546 | 0.00000 | 319537.6 | 126755.6 | 183122.1 | S |
| 89.283 | 0.0000 | 0.0000 | 83.389 | 0.05545 | 0.00000 | 319537.6 | 126757.2 | 183122.1 | S |
| 89.292 | 0.0000 | 0.0000 | 83.389 | 0.05544 | 0.00000 | 319537.6 | 126758.9 | 183122.1 | S |
| 89.300 | 0.0000 | 0.0000 | 83.389 | 0.05544 | 0.00000 | 319537.6 | 126760.6 | 183122.1 | S |
| 89.308 | 0.0000 | 0.0000 | 83.389 | 0.05543 | 0.00000 | 319537.6 | 126762.2 | 183122.1 | S |
| 89.317 | 0.0000 | 0.0000 | 83.388 | 0.05542 | 0.00000 | 319537.6 | 126763.9 | 183122.1 | S |
| 89.325 | 0.0000 | 0.0000 | 83.388 | 0.05541 | 0.00000 | 319537.6 | 126765.5 | 183122.1 | S |
| 89.333 | 0.0000 | 0.0000 | 83.388 | 0.05540 | 0.00000 | 319537.6 | 126767.2 | 183122.1 | S |
| 89.342 | 0.0000 | 0.0000 | 83.388 | 0.05539 | 0.00000 | 319537.6 | 126768.9 | 183122.1 | S |
| 89.350 | 0.0000 | 0.0000 | 83.388 | 0.05538 | 0.00000 | 319537.6 | 126770.5 | 183122.1 | S |
| 89.358 | 0.0000 | 0.0000 | 83.387 | 0.05537 | 0.00000 | 319537.6 | 126772.2 | 183122.1 | S |
| 89.367 | 0.0000 | 0.0000 | 83.387 | 0.05536 | 0.00000 | 319537.6 | 126773.9 | 183122.1 | S |
| 89.375 | 0.0000 | 0.0000 | 83.387 | 0.05535 | 0.00000 | 319537.6 | 126775.5 | 183122.1 | S |
| 89.383 | 0.0000 | 0.0000 | 83.387 | 0.05534 | 0.00000 | 319537.6 | 126777.2 | 183122.1 | S |
| 89.392 | 0.0000 | 0.0000 | 83.386 | 0.05533 | 0.00000 | 319537.6 | 126778.8 | 183122.1 | S |
| 89.400 | 0.0000 | 0.0000 | 83.386 | 0.05533 | 0.00000 | 319537.6 | 126780.5 | 183122.1 | S |
| 89.408 | 0.0000 | 0.0000 | 83.386 | 0.05532 | 0.00000 | 319537.6 | 126782.1 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f} 3 / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3 / 5}$ ) | Overflow Discharge (f $\mathrm{f}^{3 / \mathrm{s}}$ ) | $\begin{gathered} \text { Cumulative } \\ \text { Inflow } \\ \text { Volume ( } \mathrm{ft}^{3} \text { ) } \end{gathered}$ | Cumulative Infiltration Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{fl}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 89.417 | 0.0000 | 0.0000 | 83.386 | 0.05531 | 0.00000 | 319537.6 | 126783.8 | 183122.1 | S |
| 89.425 | 0.0000 | 0.0000 | 83.386 | 0.05530 | 0.00000 | 319537.6 | 126785.5 | 183122.1 | S |
| 89.433 | 0.0000 | 0.0000 | 83.385 | 0.05529 | 0.00000 | 319537.6 | 126787.1 | 183122.1 | S |
| 89.442 | 0.0000 | 0.0000 | 83.385 | 0.05528 | 0.00000 | 319537.6 | 126788.8 | 183122.1 | S |
| 89.450 | 0.0000 | 0.0000 | 83.385 | 0.05527 | 0.00000 | 319537.6 | 126790.4 | 183122.1 | S |
| 89.458 | 0.0000 | 0.0000 | 83.385 | 0.05526 | 0.00000 | 319537.6 | 126792.1 | 183122.1 | S |
| 89.467 | 0.0000 | 0.0000 | 83.385 | 0.05525 | 0.00000 | 319537.6 | 126793.8 | 183122.1 | S |
| 89.475 | 0.0000 | 0.0000 | 83.384 | 0.05524 | 0.00000 | 319537.6 | 126795.4 | 183122.1 | S |
| 89.483 | 0.0000 | 0.0000 | 83.384 | 0.05523 | 0.00000 | 319537.6 | 126797.1 | 183122.1 | S |
| 89.492 | 0.0000 | 0.0000 | 83.384 | 0.05523 | 0.00000 | 319537.6 | 126798.7 | 183122.1 | S |
| 89.500 | 0.0000 | 0.0000 | 83.384 | 0.05522 | 0.00000 | 319537.6 | 126800.4 | 183122.1 | S |
| 89.508 | 0.0000 | 0.0000 | 83.384 | 0.05521 | 0.00000 | 319537.6 | 126802.0 | 183122.1 | S |
| 89.517 | 0.0000 | 0.0000 | 83.383 | 0.05520 | 0.00000 | 319537.6 | 126803.7 | 183122.1 | S |
| 89.525 | 0.0000 | 0.0000 | 83.383 | 0.05519 | 0.00000 | 319537.6 | 126805.4 | 183122.1 | S |
| 89.533 | 0.0000 | 0.0000 | 83.383 | 0.05518 | 0.00000 | 319537.6 | 126807.0 | 183122.1 | S |
| 89.542 | 0.0000 | 0.0000 | 83.383 | 0.05517 | 0.00000 | 319537.6 | 126808.7 | 183122.1 | S |
| 89.550 | 0.0000 | 0.0000 | 83.383 | 0.05516 | 0.00000 | 319537.6 | 126810.3 | 183122.1 | S |
| 89.558 | 0.0000 | 0.0000 | 83.382 | 0.05515 | 0.00000 | 319537.6 | 126812.0 | 183122.1 | S |
| 89.567 | 0.0000 | 0.0000 | 83.382 | 0.05514 | 0.00000 | 319537.6 | 126813.6 | 183122.1 | S |
| 89.575 | 0.0000 | 0.0000 | 83.382 | 0.05513 | 0.00000 | 319537.6 | 126815.3 | 183122.1 | S |
| 89.583 | 0.0000 | 0.0000 | 83.382 | 0.05513 | 0.00000 | 319537.6 | 126816.9 | 183122.1 | S |
| 89.592 | 0.0000 | 0.0000 | 83.382 | 0.05512 | 0.00000 | 319537.6 | 126818.6 | 183122.1 | S |
| 89.600 | 0.0000 | 0.0000 | 83.381 | 0.05511 | 0.00000 | 319537.6 | 126820.3 | 183122.1 | S |
| 89.608 | 0.0000 | 0.0000 | 83.381 | 0.05510 | 0.00000 | 319537.6 | 126821.9 | 183122.1 | S |
| 89.617 | 0.0000 | 0.0000 | 83.381 | 0.05509 | 0.00000 | 319537.6 | 126823.6 | 183122.1 | S |
| 89.625 | 0.0000 | 0.0000 | 83.381 | 0.05508 | 0.00000 | 319537.6 | 126825.2 | 183122.1 | S |
| 89.633 | 0.0000 | 0.0000 | 83.381 | 0.05507 | 0.00000 | 319537.6 | $\dagger 26826.9$ | 183122.1 | S |
| 89.642 | 0.0000 | 0.0000 | 83.380 | 0.05506 | 0.00000 | 319537.6 | 126828.5 | 183122.1 | S |
| 89.650 | 0.0000 | 0.0000 | 83.380 | 0.05505 | 0.00000 | 319537.6 | 126830.2 | 183122.1 | S |
| 89.658 | 0.0000 | 0.0000 | 83.380 | 0.05504 | 0.00000 | 319537.6 | 126831.8 | 183122.1 | S |
| 89.667 | 0.0000 | 0.0000 | 83.380 | 0.05503 | 0.00000 | 319537.6 | 126833.5 | 183122.4 | S |
| 89.675 | 0.0000 | 0.0000 | 83.380 | 0.05503 | 0.00000 | 319537.6 | 126835.1 | 183122.1 | S |
| 89.683 | 0.0000 | 0.0000 | 83.379 | 0.05502 | 0.00000 | 319537.6 | 126836.8 | 183122.1 | S |
| 89.692 | 0.0000 | 0.0000 | 83.379 | 0.05501 | 0.00000 | 319537.6 | 126838.4 | 183122.1 | S |
| 89.700 | 0.0000 | 0.0000 | 83.379 | 0.05500 | 0.00000 | 319537.6 | 126840.1 | 183122.1 | S |
| 89.708 | 0.0000 | 0.0000 | 83.379 | 0.05499 | 0.00000 | 319537.6 | 126841.7 | 183122.1 | S |
| 89.717 | 0.0000 | 0.0000 | 83.379 | 0.05498 | 0.00000 | 319537.6 | 126843.4 | 183122.1 | S |
| 89.725 | 0.0000 | 0.0000 | 83.378 | 0.05497 | 0.00000 | 319537.6 | 126845.0 | 183122.1 | S |
| 89.733 | 0.0000 | 0.0000 | 83.378 | 0.05496 | 0.00000 | 319537.6 | 126846.7 | 183122.1 | S |
| 89.742 | 0.0000 | 0.0000 | 83.378 | 0.05495 | 0.00000 | 319537.6 | 126848.3 | 183122.1 | S |
| 89.750 | 0.0000 | 0.0000 | 83.378 | 0.05494 | 0.00000 | 319537.6 | 126850.0 | 183122.1 | S |
| 89.758 | 0.0000 | 0.0000 | 83.378 | 0.05494 | 0.00000 | 319537.6 | 126851.6 | 183122.1 | S |
| 89.767 | 0.0000 | 0.0000 | 83.377 | 0.05493 | 0.00000 | 319537.6 | \$26853.3 | 183122.1 | S |
| 89.775 | 0.0000 | 0.0000 | 83.377 | 0.05492 | 0.00000 | 319537.6 | 126854.9 | 183122.1 | S |
| 89.783 | 0.0000 | 0.0000 | 83.377 | 0.05491 | 0.00000 | 319537.6 | 126856.6 | 183122.1 | S |
| 89.792 | 0.0000 | 0.0000 | 83.377 | 0.05490 | 0.00000 | 319537.6 | 126858.2 | 183122.1 | S |
| 89.800 | 0.0000 | 0.0000 | 83.377 | 0.05489 | 0.00000 | 319537.6 | 126859.8 | 183122.1 | S |
| 89.808 | 0.0000 | 0.0000 | 83.376 | 0.05488 | 0.00000 | 319537.6 | 126861.5 | 183122.1 | S |
| 89.817 | 0.0000 | 0.0000 | 83.376 | 0.05487 | 0.00000 | 319537.6 | 126863.1 | 183122.1 | S |
| 89.825 | 0.0000 | 0.0000 | 83.376 | 0.05486 | 0.00000 | 319537.6 | 126864.8 | 183122.1 | S |
| 89.833 | 0.0000 | 0.0000 | 83.376 | 0.05485 | 0.00000 | 319537.6 | 126866.4 | 183122.1 | S |
| 89.842 | 0.0000 | 0.0000 | 83.376 | 0.05485 | 0.00000 | 319537.6 | 126868.1 | 183122.1 | S |
| 89.850 | 0.0000 | 0.0000 | 83.375 | 0.05484 | 0.00000 | 319537.6 | 126869.7 | 183122.1 | S |
| 89.858 | 0.0000 | 0.0000 | 83.375 | 0.05483 | 0.00000 | 319537.6 | 126871.4 | 183122.1 | S |
| 89.867 | 0.0000 | 0.0000 | 83.375 | 0.05482 | 0.00000 | 319537.6 | 126873.0 | 183122.1 | S |
| 89.875 | 0.0000 | 0.0000 | 83.375 | 0.05481 | 0.00000 | 319537.6 | 126874.7 | 183122.1 | S |
| 89.883 | 0.0000 | 0.0000 | 83.375 | 0.05480 | 0.00000 | 319537.6 | 126876.3 | 183122.1 | S |
| 89.892 | 0.0000 | 0.0000 | 83.374 | 0.05479 | 0.00000 | 319537.6 | 126877.9 | 183122.1 | S |
| 89.900 | 0.0000 | 0.0000 | 83.374 | 0.05478 | 0.00000 | 319537.6 | 126879.6 | 183122.1 | S |
| 89.908 | 0.0000 | 0.0000 | 83.374 | 0.05477 | 0.00000 | 319537.6 | 126881.2 | 183122.1 | S |
| 89.917 | 0.0000 | 0.0000 | 83.374 | 0.05476 | 0.00000 | 319537.6 | 126882.9 | 183122.1 | S |
| 89.925 | 0.0000 | 0.0000 | 83.374 | 0.05476 | 0.00000 | 319537.6 | 126884.5 | 183122.1 | S |
| 89.933 | 0.0000 | 0.0000 | 83.373 | 0.05475 | 0.00000 | 319537.6 | 126886.2 | 183122.1 | S |
| 89.942 | 0.0000 | 0.0000 | 83.373 | 0.05474 | 0.00000 | 319537.6 | 126887.8 | 183422.1 | S |
| 89.950 | 0.0000 | 0.0000 | 83.373 | 0.05473 | 0.00000 | 319537.6 | 126889.4 | 183122.1 | S |
| 89.958 | 0.0000 | 0.0000 | 83.373 | 0.05472 | 0.00000 | 319537.6 | 126891.1 | 183122.1 | S |
| 89.967 | 0.0000 | 0.0000 | 83.373 | 0.05471 | 0.00000 | 319537.6 | 126892.7 | 183122.1 | S |
| 89.975 | 0.0000 | 0.0000 | 83.372 | 0.05470 | 0.00000 | 319537.6 | 126894.4 | 183122.1 | S |
| 89.983 | 0.0000 | 0.0000 | 83.372 | 0.05469 | 0.00000 | 319537.6 | 126896.0 | 183122.1 | S |
| 89.992 | 0.0000 | 0.0000 | 83.372 | 0.05468 | 0.00000 | 319537.6 | 126897.6 | 183122.1 | S |
| 90.000 | 0.0000 | 0.0000 | 83.372 | 0.05467 | 0.00000 | 319537.6 | 126899.3 | 183122.1 | S |
| 90.008 | 0.0000 | 0.0000 | 83.372 | 0.05467 | 0.00000 | 319537.6 | 126900.9 | 183122.1 | S |
| 90.017 | 0.0000 | 0.0000 | 83.371 | 0.05466 | 0.00000 | 319537.6 | 126902.6 | 183122.1 | S |
| 90.025 | 0.0000 | 0.0000 | 83.371 | 0.05465 | 0.00000 | 319537.6 | 126904.2 | 183122.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr $/ 24$ Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation ( $f$ d datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Infititration Volume ( $\mathrm{H}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{fl}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 90.033 | 0.0000 | 0.0000 | 83.371 | 0.05464 | 0.00000 | 319537.6 | 126905.9 | 183122.1 | S |
| 90.042 | 0.0000 | 0.0000 | 83.371 | 0.05463 | 0.00000 | 319537.6 | 126907.5 | 183122.1 | S |
| 90.050 | 0.0000 | 0.0000 | 83.371 | 0.05462 | 0.00000 | 319537.6 | 126909.1 | 183122.1 | S |
| 90.058 | 0.0000 | 0.0000 | 83.370 | 0.05461 | 0.00000 | 319537.6 | 126910.8 | 183122.1 | S |
| 90.067 | 0.0000 | 0.0000 | 83.370 | 0.05460 | 0.00000 | 319537.6 | 126912.4 | 183122.1 | S |
| 90.075 | 0.0000 | 0.0000 | 83.370 | 0.05459 | 0.00000 | 319537.6 | 126914.0 | 183122.1 | S |
| 90.083 | 0.0000 | 0.0000 | 83.370 | 0.05459 | 0.00000 | 319537.6 | 126915.7 | 183122.1 | S |
| 90.092 | 0.0000 | 0.0000 | 83.370 | 0.05458 | 0.00000 | 319537.6 | 126917.3 | 183122.1 | S |
| 90.100 | 0.0000 | 0.0000 | 83.369 | 0.05457 | 0.00000 | 319537.6 | 126919.0 | 183122.1 | S |
| 90.108 | 0.0000 | 0.0000 | 83.369 | 0.05456 | 0.00000 | 319537.6 | 126920.6 | 183122.1 | S |
| 90.117 | 0.0000 | 0.0000 | 83.369 | 0.05455 | 0.00000 | 319537.6 | 126922.2 | 183122.1 | S |
| 90.125 | 0.0000 | 0.0000 | 83.369 | 0.05454 | 0.00000 | 319537.6 | 126923.9 | 183122.1 | S |
| 90.133 | 0.0000 | 0.0000 | 83.369 | 0.05453 | 0.00000 | 319537.6 | 126925.5 | 183122.1 | S |
| 90.142 | 0.0000 | 0.0000 | 83.368 | 0.05452 | 0.00000 | 319537.6 | 126927.1 | 183122.1 | S |
| 90.150 | 0.0000 | 0.0000 | 83.368 | 0.05451 | 0.00000 | 319537.6 | 126928.8 | 183122.1 | S |
| 90.158 | 0.0000 | 0.0000 | 83.368 | 0.05451 | 0.00000 | 319537.6 | 126930.4 | 183122.1 | S |
| 90.167 | 0.0000 | 0.0000 | 83.368 | 0.05450 | 0.00000 | 319537.6 | 126932.0 | 183122.1 | S |
| 90.175 | 0.0000 | 0.0000 | 83.368 | 0.05449 | 0.00000 | 319537.6 | 126933.7 | 183122.1 | S |
| 90.183 | 0.0000 | 0.0000 | 83.367 | 0.05448 | 0.00000 | 319537.6 | 126935.3 | 183122.1 | S |
| 90.192 | 0.0000 | 0.0000 | 83.367 | 0.05447 | 0.00000 | 319537.6 | 126936.9 | 183122.1 | S |
| 90.200 | 0.0000 | 0.0000 | 83.367 | 0.05446 | 0.00000 | 319537.6 | 126938.6 | 183122.1 | S |
| 90.208 | 0.0000 | 0.0000 | 83.367 | 0.05445 | 0.00000 | 319537.6 | 126940.2 | 183122.1 | S |
| 90.217 | 0.0000 | 0.0000 | 83.367 | 0.05444 | 0.00000 | 319537.6 | 126941.8 | 183122.1 | S |
| 90.225 | 0.0000 | 0.0000 | 83.366 | 0.05443 | 0.00000 | 319537.6 | 126943.5 | 183122.1 | S |
| 90.233 | 0.0000 | 0.0000 | 83.366 | 0.05442 | 0.00000 | 319537.6 | \{26945.1 | 183122.1 | 5 |
| 90.242 | 0.0000 | 0.0000 | 83.366 | 0.05442 | 0.00000 | 319537.6 | 126946.7 | 183122.1 | S |
| 90.250 | 0.0000 | 0.0000 | 83.366 | 0.05441 | 0.00000 | 319537.6 | 126948.4 | 183122.1 | S |
| 90.258 | 0.0000 | 0.0000 | 83.366 | 0.05440 | 0.00000 | 319537.6 | 126950.0 | 183122.1 | S |
| 90.267 | 0.0000 | 0.0000 | 83.365 | 0.05439 | 0.00000 | 319537.6 | 126951.6 | 183122.1 | S |
| 90.275 | 0.0000 | 0.0000 | 83.365 | 0.05438 | 0.00000 | 319537.6 | 126953.3 | 183122.1 | S |
| 90.283 | 0.0000 | 0.0000 | 83.365 | 0.05437 | 0.00000 | 319537.6 | 126954.9 | 183122.1 | S |
| 90.292 | 0.0000 | 0.0000 | 83.365 | 0.05436 | 0.00000 | 319537.6 | 126956.5 | 183122.1 | S |
| 90.300 | 0.0000 | 0.0000 | 83.365 | 0.05435 | 0.00000 | 319537.6 | 126958.2 | 183122.1 | S |
| 90.308 | 0.0000 | 0.0000 | 83.364 | 0.05434 | 0.00000 | 319537.6 | 126959.8 | 183122.1 | S |
| 90.317 | 0.0000 | 0.0000 | 83.364 | 0.05434 | 0.00000 | 319537.6 | 126961.4 | 183122.1 | S |
| 90.325 | 0.0000 | 0.0000 | 83.364 | 0.05433 | 0.00000 | 319537.6 | 126963.1 | 183122.1 | S |
| 90.333 | 0.0000 | 0.0000 | 83.364 | 0.05432 | 0.00000 | 319537.6 | 126964.7 | 183122.1 | S |
| 90.342 | 0.0000 | 0.0000 | 83.364 | 0.05431 | 0.00000 | 319537.6 | 126966.3 | 183122.1 | S |
| 90.350 | 0.0000 | 0.0000 | 83.363 | 0.05430 | 0.00000 | 319537.6 | 126967.9 | 183122.1 | S |
| 90.358 | 0.0000 | 0.0000 | 83.363 | 0.05429 | 0.00000 | 319537.6 | 126969.6 | 183122.1 | S |
| 90.367 | 0.0000 | 0.0000 | 83.363 | 0.05428 | 0.00000 | 319537.6 | 126971.2 | 183122.1 | S |
| 90.375 | 0.0000 | 0.0000 | 83.363 | 0.05427 | 0.00000 | 319537.6 | 126972.8 | 183122.1 | S |
| 90.383 | 0.0000 | 0.0000 | 83.363 | 0.05427 | 0.00000 | 319537.6 | 126974.5 | 183122.1 | S |
| 90.392 | 0.0000 | 0.0000 | 83.362 | 0.05426 | 0.00000 | 319537.6 | 126976.1 | 183122.1 | S |
| 90.400 | 0.0000 | 0.0000 | 83.362 | 0.05425 | 0.00000 | 319537.6 | 126977.7 | 183122.1 | S |
| 90.408 | 0.0000 | 0.0000 | 83.362 | 0.05424 | 0.00000 | 319537.6 | 126979.3 | 183122.1 | S |
| 90.417 | 0.0000 | 0.0000 | 83.362 | 0.05423 | 0.00000 | 319537.6 | 126981.0 | $183\{22.1$ | S |
| 90.425 | 0.0000 | 0.0000 | 83.362 | 0.05422 | 0.00000 | 319537.6 | 126982.6 | 183122.1 | S |
| 90.433 | 0.0000 | 0.0000 | 83.361 | 0.05421 | 0.00000 | 319537.6 | 126984.2 | 183122.1 | S |
| 90.442 | 0.0000 | 0.0000 | 83.361 | 0.05420 | 0.00000 | 319537.6 | 126985.8 | 183122.1 | S |
| 90.450 | 0.0000 | 0.0000 | 83.361 | 0.05419 | 0.00000 | 319537.6 | 126987.5 | 183122.1 | S |
| 90.458 | 0.0000 | 0.0000 | 83.361 | 0.05419 | 0.00000 | 319537.6 | 126989.1 | 183122.1 | S |
| 90.467 | 0.0000 | 0.0000 | 83.361 | 0.05418 | 0.00000 | 319537.6 | 126990.7 | 183122.1 | S |
| 90.475 | 0.0000 | 0.0000 | 83.360 | 0.05417 | 0.00000 | 319537.6 | 126992.4 | 183122.1 | 5 |
| 90.483 | 0.0000 | 0.0000 | 83.360 | 0.05416 | 0.00000 | 319537.6 | 126994.0 | 183122.7 | S |
| 90.492 | 0.0000 | 0.0000 | 83.360 | 0.05415 | 0.00000 | 319537.6 | 126995.6 | 183122.1 | 5 |
| 90.500 | 0.0000 | 0.0000 | 83.360 | 0.05414 | 0.00000 | 319537.6 | 126997.2 | 183122.1 | 5 |
| 90.508 | 0.0000 | 0.0000 | 83.360 | 0.05413 | 0.00000 | 319537.6 | 126998.8 | 183122.1 | S |
| 90.517 | 0.0000 | 0.0000 | 83.359 | 0.05412 | 0.00000 | 319537.6 | 127000.5 | 183122.1 | S |
| 90.525 | 0.0000 | 0.0000 | 83.359 | 0.05411 | 0.00000 | 319537.6 | 127002.1 | 183122.1 | S |
| 90.533 | 0.0000 | 0.0000 | 83.359 | 0.05411 | 0.00000 | 319537.6 | 127003.7 | 183122.1 | S |
| 90.542 | 0.0000 | 0.0000 | 83.359 | 0.05410 | 0.00000 | 319537.6 | 127005.3 | 183122.1 | S |
| 90.550 | 0.0000 | 0.0000 | 83.359 | 0.05409 | 0.00000 | 319537.6 | 127007.0 | 183122.1 | S |
| 90.558 | 0.0000 | 0.0000 | 83.358 | 0.05408 | 0.00000 | 319537.6 | 127008.6 | 183122.1 | S |
| 90.567 | 0.0000 | 0.0000 | 83.358 | 0.05407 | 0.00000 | 319537.6 | 127010.2 | 183122.1 | S |
| 90.575 | 0.0000 | 0.0000 | 83.358 | 0.05406 | 0.00000 | 319537.6 | 127011.8 | 183122.1 | S |
| 90.583 | 0.0000 | 0.0000 | 83.358 | 0.05405 | 0.00000 | 319537.6 | 127013.5 | 183122.1 | S |
| 90.592 | 0.0000 | 0.0000 | 83.358 | 0.05404 | 0.00000 | 319537.6 | 127015.1 | 183122.1 | S |
| 90.600 | 0.0000 | 0.0000 | 83.357 | 0.05404 | 0.00000 | 319537.6 | 127016.7 | 183122.1 | S |
| 90.608 | 0.0000 | 0.0000 | 83.357 | 0.05403 | 0.00000 | 319537.6 | 127018.3 | 183122.1 | S |
| 90.617 | 0.0000 | 0.0000 | 83.357 | 0.05402 | 0.00000 | 319537.6 | 127019.9 | 183122.1 | S |
| 90.625 | 0.0000 | 0.0000 | 83.357 | 0.05401 | 0.00000 | 319537.6 | 127021.6 | 183122.1 | S |
| 90.633 | 0.0000 | 0.0000 | 83.357 | 0.05400 | 0.00000 | 319537.6 | 127023.2 | 183122.1 | S |
| 90.642 | 0.0000 | 0.0000 | 83.356 | 0.05399 | 0.00000 | 319537.6 | 127024.8 | 183122.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / 1 / 5}$ ) | Outside Recharge (fitday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}{ }^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative knflow <br> Vofume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ff}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 90.650 | 0.0000 | 0.0000 | 83.356 | 0.05398 | 0.00000 | 319537.6 | 127026.4 | 183122.1 | S |
| 90.658 | 0.0000 | 0.0000 | 83.356 | 0.05397 | 0.00000 | 319537.6 | 127028.0 | 183122.1 | S |
| 90.667 | 0.0000 | 0.0000 | 83.356 | 0.05397 | 0.00000 | 319537.6 | 127029.7 | 183122.1 | S |
| 90.675 | 0.0000 | 0.0000 | 83.356 | 0.05396 | 0.00000 | 319537.6 | 127031.3 | 183122.1 | S |
| 90.683 | 0.0000 | 0.0000 | 83.355 | 0.05395 | 0.00000 | 319537.6 | 127032.9 | 183122.1 | S |
| 90.692 | 0.0000 | 0.0000 | 83.355 | 0.05394 | 0.00000 | 319537.6 | 127034.5 | 183122.1 | S |
| 90.700 | 0.0000 | 0.0000 | 83.355 | 0.05393 | 0.00000 | 319537.6 | 127036.1 | 183122.1 | S |
| 90.708 | 0.0000 | 0.0000 | 83.355 | 0.05392 | 0.00000 | 319537.6 | 127037.8 | 183122.1 | S |
| 90.717 | 0.0000 | 0.0000 | 83.355 | 0.05391 | 0.00000 | 319537.6 | 127039.4 | 183122.1 | S |
| 90.725 | 0.0000 | 0.0000 | 83.354 | 0.05390 | 0.00000 | 319537.6 | 127041.0 | 183122.1 | S |
| 90.733 | 0.0000 | 0.0000 | 83.354 | 0.05390 | 0.00000 | 379537.6 | 127042.6 | 183122.1 | S |
| 90.742 | 0.0000 | 0.0000 | 83.354 | 0.05389 | 0.00000 | 319537.6 | 127044.2 | 183122.1 | S |
| 90.750 | 0.0000 | 0.0000 | 83.354 | 0.05388 | 0.00000 | 319537.6 | 127045.8 | 183122.1 | S |
| 90.758 | 0.0000 | 0.0000 | 83.354 | 0.05387 | 0.00000 | 319537.6 | 127047.4 | 183122.1 | S |
| 90.767 | 0.0000 | 0.0000 | 83.353 | 0.05386 | 0.00000 | 319537.6 | 127049.1 | 183122.1 | S |
| 90.775 | 0.0000 | 0.0000 | 83.353 | 0.05385 | 0.00000 | 319537.6 | 127050.7 | 183122.1 | S |
| 90.783 | 0.0000 | 0.0000 | 83.353 | 0.05384 | 0.00000 | 319537.6 | 127052.3 | 183122.1 | S |
| 90.792 | 0.0000 | 0.0000 | 83.353 | 0.05383 | 0.00000 | 319537.6 | 127053.9 | 183122.1 | S |
| 90.800 | 0.0000 | 0.0000 | 83.353 | 0.05382 | 0.00000 | 319537.6 | 127055.5 | 183122.1 | S |
| 90.808 | 0.0000 | 0.0000 | 83.352 | 0.05382 | 0.00000 | 319537.6 | 127057.1 | 183122.1 | S |
| 90.817 | 0.0000 | 0.0000 | 83.352 | 0.05381 | 0.00000 | 319537.6 | 127058.8 | 183122.1 | S |
| 90.825 | 0.0000 | 0.0000 | 83.352 | 0.05380 | 0.00000 | 319537.6 | 127060.4 | 183122.1 | S |
| 90.833 | 0.0000 | 0.0000 | 83.352 | 0.05379 | 0.00000 | 319537.6 | 127062.0 | 183122.1 | S |
| 90.842 | 0.0000 | 0.0000 | 83.352 | 0.05378 | 0.00000 | 319537.6 | 127063.6 | 183122.1 | S |
| 90.850 | 0.0000 | 0.0000 | 83.351 | 0.05377 | 0.00000 | 319537.6 | 127065.2 | 183122.1 | S |
| 90.858 | 0.0000 | 0.0000 | 83.351 | 0.05376 | 0.00000 | 319537.6 | 127066.8 | 183122.1 | S |
| 90.867 | 0.0000 | 0.0000 | 83.351 | 0.05376 | 0.00000 | 319537.6 | 127068.4 | 183122.1 | S |
| 90.875 | 0.0000 | 0.0000 | 83.351 | 0.05375 | 0.00000 | 319537.6 | 127070.0 | 183122.1 | S |
| 90.883 | 0.0000 | 0.0000 | 83.351 | 0.05374 | 0.00000 | 319537.6 | 127071.7 | 183122.1 | S |
| 90.892 | 0.0000 | 0.0000 | 83.350 | 0.05373 | 0.00000 | 319537.6 | 127073.3 | 183122.1 | S |
| 90.900 | 0.0000 | 0.0000 | 83.350 | 0.05372 | 0.00000 | 319537.6 | 127074.9 | 183122.1 | S |
| 90.908 | 0.0000 | 0.0000 | 83.350 | 0.05371 | 0.00000 | 319537.6 | 127076.5 | 183122.1 | S |
| 90.917 | 0.0000 | 0.0000 | 83.350 | 0.05370 | 0.00000 | 319537.6 | 127078.1 | 183122.1 | S |
| 90.925 | 0.0000 | 0.0000 | 83.350 | 0.05369 | 0.00000 | 319537.6 | 127079.7 | 183122.1 | S |
| 90.933 | 0.0000 | 0.0000 | 83.349 | 0.05369 | 0.00000 | 319537.6 | 127081.3 | 183122.1 | S |
| 90.942 | 0.0000 | 0.0000 | 83.349 | 0.05368 | 0.00000 | 319537.6 | 127082.9 | 183122.1 | S |
| 90.950 | 0.0000 | 0.0000 | 83.349 | 0.05367 | 0.00000 | 319537.6 | 127084.5 | 183122.1 | S |
| 90.958 | 0.0000 | 0.0000 | 83.349 | 0.05366 | 0.00000 | 319537.6 | 127086.2 | 183122.1 | S |
| 90.967 | 0.0000 | 0.0000 | 83.349 | 0.05365 | 0.00000 | 319537.6 | 127087.8 | 183122.1 | S |
| 90.975 | 0.0000 | 0.0000 | 83.348 | 0.05364 | 0.00000 | 319537.6 | 127089.4 | 183122.1 | S |
| 90.983 | 0.0000 | 0.0000 | 83.348 | 0.05363 | 0.00000 | 319537.6 | 127091.0 | 183122.1 | S |
| 90.992 | 0.0000 | 0.0000 | 83.348 | 0.05362 | 0.00000 | 319537.6 | 127092.6 | 183722.1 | S |
| 91.000 | 0.0000 | 0.0000 | 83.348 | 0.05362 | 0.00000 | 319537.6 | 127094.2 | 183122.1 | S |
| 91.008 | 0.0000 | 0.0000 | 83.348 | 0.05361 | 0.00000 | 319537.6 | 127095.8 | 183122.1 | 5 |
| 91.017 | 0.0000 | 0.0000 | 83.347 | 0.05360 | 0.00000 | 319537.6 | 127097.4 | 183122.1 | S |
| 91.025 | 0.0000 | 0.0000 | 83.347 | 0.05359 | 0.00000 | 319537.6 | 127099.0 | 183122.1 | S |
| 91.033 | 0.0000 | 0.0000 | 83.347 | 0.05358 | 0.00000 | 319537.6 | 127100.6 | 183122.1 | S |
| 91.042 | 0.0000 | 0.0000 | 83.347 | 0.05357 | 0.00000 | 319537.6 | 127102.2 | 183122.1 | S |
| 91.050 | 0.0000 | 0.0000 | 83.347 | 0.05356 | 0.00000 | 319537.6 | 127103.9 | 183122.1 | S |
| 91.058 | 0.0000 | 0.0000 | 83.346 | 0.05355 | 0.00000 | 319537.6 | 127105.5 | 183122.1 | S |
| 91.067 | 0.0000 | 0.0000 | 83.346 | 0.05355 | 0.00000 | 319537.6 | 127107.1 | 183122.1 | S |
| 91.075 | 0.0000 | 0.0000 | 83.346 | 0.05354 | 0.00000 | 319537.6 | 127108.7 | 183122.1 | S |
| 91.083 | 0.0000 | 0.0000 | 83.346 | 0.05353 | 0.00000 | 319537.6 | 127110.3 | 183122.1 | S |
| 91.092 | 0.0000 | 0.0000 | 83.346 | 0.05352 | 0.00000 | 319537.6 | 127111.9 | 183122.1 | S |
| 91.100 | 0.0000 | 0.0000 | 83.345 | 0.05351 | 0.00000 | 319537.6 | 127113.5 | 183122.1 | S |
| 91.108 | 0.0000 | 0.0000 | 83.345 | 0.05350 | 0.00000 | 319537.6 | 127115.1 | 183122.1 | S |
| 91.117 | 0.0000 | 0.0000 | 83.345 | 0.05349 | 0.00000 | 319537.6 | 127116.7 | 183122.1 | S |
| 91.125 | 0.0000 | 0.0000 | 83.345 | 0.05349 | 0.00000 | 319537.6 | 127118.3 | 183122.1 | S |
| 91.133 | 0.0000 | 0.0000 | 83.345 | 0.05348 | 0.00000 | 319537.6 | 127119.9 | 183122.1 | S |
| 91.142 | 0.0000 | 0.0000 | 83.344 | 0.05347 | 0.00000 | 319537.6 | 127121.5 | 183122.1 | S |
| 91.150 | 0.0000 | 0.0000 | 83.344 | 0.05346 | 0.00000 | 319537.6 | 127123.1 | 183122.1 | S |
| 91.158 | 0.0000 | 0.0000 | 83.344 | 0.05345 | 0.00000 | 319537.6 | 127124.7 | 183122.1 | S |
| 91.167 | 0.0000 | 0.0000 | 83.344 | 0.05344 | 0.00000 | 319537.6 | 127126.3 | 183122.1 | S |
| 91.175 | 0.0000 | 0.0000 | 83.344 | 0.05343 | 0.00000 | 319537.6 | 127127.9 | 183122.1 | S |
| 91.183 | 0.0000 | 0.0000 | 83.343 | 0.05342 | 0.00000 | 319537.6 | 127129.5 | 183122.1 | S |
| 91.192 | 0.0000 | 0.0000 | 83.343 | 0.05342 | 0.00000 | 319537.6 | 127131.1 | 183122.1 | S |
| 91.200 | 0.0000 | 0.0000 | 83.343 | 0.05341 | 0.00000 | 319537.6 | 127132.7 | 183122.1 | S |
| 91.208 | 0.0000 | 0.0000 | 83.343 | 0.05340 | 0.00000 | 319537.6 | 127134.3 | 183122.5 | S |
| 91.217 | 0.0000 | 0.0000 | 83.343 | 0.05339 | 0.00000 | 319537.6 | 127135.9 | 183122.1 | S |
| 91.225 | 0.0000 | 0.0000 | 83.342 | 0.05338 | 0.00000 | 319537.6 | $\$ 27137.5$ | 183122.1 | S |
| 91.233 | 0.0000 | 0.0000 | 83.342 | 0.05337 | 0.00000 | 319537.6 | 127139.1 | 183122.1 | S |
| 91.242 | 0.0000 | 0.0000 | 83.342 | 0.05336 | 0.00000 | 319537.6 | 127140.7 | 183122.1 | S |
| 91.250 | 0.0000 | 0.0000 | 83.342 | 0.05336 | 0.00000 | 319537.6 | 127142.3 | 183122.1 | S |
| 91.258 | 0.0000 | 0.0000 | 83.342 | 0.05335 | 0.00000 | 319537.6 | 127143.9 | 183122.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overlow Discharge ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infittration Volume ( $\mathrm{H}^{3}$ ) | Cumulative Discharge Volume $\left(\mathrm{ft}^{3}\right)$ | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 91.267 | 0.0000 | 0.0000 | 83.342 | 0.05334 | 0.00000 | 319537.6 | 127145.5 | 183122.1 | S |
| 91.275 | 0.0000 | 0.0000 | 83.341 | 0.05333 | 0.00000 | 319537.6 | 127147.1 | 183122.1 | S |
| 91.283 | 0.0000 | 0.0000 | 83.341 | 0.05332 | 0.00000 | 319537.6 | 127148.7 | 183122.1 | S |
| 91.292 | 0.0000 | 0.0000 | 83.341 | 0.05331 | 0.00000 | 319537.6 | 127150.3 | 183122.1 | S |
| 91.300 | 0.0000 | 0.0000 | 83.341 | 0.05330 | 0.00000 | 319537.6 | 127151.9 | 183122.1 | S |
| 91.308 | 0.0000 | 0.0000 | 83.341 | 0.05330 | 0.00000 | 319537.6 | 127153.5 | 183122.1 | S |
| 91.317 | 0.0000 | 0.0000 | 83.340 | 0.05329 | 0.00000 | 319537.6 | 127155.1 | 183122.4 | S |
| 91.325 | 0.0000 | 0.0000 | 83.340 | 0.05328 | 0.00000 | 319537.6 | 127156.7 | 183122.1 | S |
| 91.333 | 0.0000 | 0.0000 | 83.340 | 0.05327 | 0.00000 | 319537.6 | 127158.3 | 183122.1 | S |
| 91.342 | 0.0000 | 0.0000 | 83.340 | 0.05326 | 0.00000 | 319537.6 | 127159.9 | 183122.1 | S |
| 91.350 | 0.0000 | 0.0000 | 83.340 | 0.05325 | 0.00000 | 319537.6 | 127161.5 | 183122.1 | S |
| 91.358 | 0.0000 | 0.0000 | 83.339 | 0.05324 | 0.00000 | 319537.6 | 127163.1 | 183122.1 | S |
| 91.367 | 0.0000 | 0.0000 | 83.339 | 0.05323 | 0.00000 | 319537.6 | 127164.7 | 183122.1 | S |
| 91.375 | 0.0000 | 0.0000 | 83.339 | 0.05323 | 0.00000 | 319537.6 | 127166.3 | 183122.1 | S |
| 91.383 | 0.0000 | 0.0000 | 83.339 | 0.05322 | 0.00000 | 319537.6 | 127167.9 | 183122.1 | S |
| 91.392 | 0.0000 | 0.0000 | 83.339 | 0.05321 | 0.00000 | 319537.6 | 127169.5 | 183122.1 | S |
| 91.400 | 0.0000 | 0.0000 | 83.338 | 0.05320 | 0.00000 | 319537.6 | 127171.1 | 183122.1 | S |
| 91.408 | 0.0000 | 0.0000 | 83.338 | 0.05319 | 0.00000 | 319537.6 | 127172.7 | 183122.1 | S |
| 91.417 | 0.0000 | 0.0000 | 83.338 | 0.05318 | 0.00000 | 319537.6 | 127174.3 | 183122.1 | S |
| 91.425 | 0.0000 | 0.0000 | 83.338 | 0.05317 | 0.00000 | 319537.6 | 127175.9 | 183122.1 | S |
| 91.433 | 0.0000 | 0.0000 | 83.338 | 0.05317 | 0.00000 | 319537.6 | 127177.5 | 183122.1 | S |
| 91.442 | 0.0000 | 0.0000 | 83.337 | 0.05316 | 0.00000 | 319537.6 | 127179.1 | 183122.1 | S |
| 91.450 | 0.0000 | 0.0000 | 83.337 | 0.05315 | 0.00000 | 319537.6 | 127180.7 | 183122.1 | S |
| 91.458 | 0.0000 | 0.0000 | 83.337 | 0.05314 | 0.00000 | 319537.6 | 127182.3 | 183122.1 | S |
| 91.467 | 0.0000 | 0.0000 | 83.337 | 0.05313 | 0.00000 | 319537.6 | 127183.9 | 183122.1 | S |
| 91.475 | 0.0000 | 0.0000 | 83.337 | 0.05312 | 0.00000 | 319537.6 | 127185.5 | 183122.1 | S |
| 91.483 | 0.0000 | 0.0000 | 83.336 | 0.05311 | 0.00000 | 319537.6 | 127187.1 | 183122.1 | S |
| 91.492 | 0.0000 | 0.0000 | 83.336 | 0.05311 | 0.00000 | 319537.6 | 127188.6 | 183122.1 | S |
| 91.500 | 0.0000 | 0.0000 | 83.336 | 0.05310 | 0.00000 | 319537.6 | 127190.2 | 183122.1 | S |
| 91.508 | 0.0000 | 0.0000 | 83.336 | 0.05309 | 0.00000 | 319537.6 | 127191.8 | 183122.1 | S |
| 91.517 | 0.0000 | 0.0000 | 83.336 | 0.05308 | 0.00000 | 319537.6 | 127193.4 | 183122.1 | S |
| 91.525 | 0.0000 | 0.0000 | 83.335 | 0.05307 | 0.00000 | 319537.6 | 127195.0 | 183122.1 | S |
| 91.533 | 0.0000 | 0.0000 | 83.335 | 0.05306 | 0.00000 | 319537.6 | 127196.6 | 183122.1 | S |
| 91.542 | 0.0000 | 0.0000 | 83.335 | 0.05305 | 0.00000 | 319537.6 | 127198.2 | 183122.1 | S |
| 91.550 | 0.0000 | 0.0000 | 83.335 | 0.05305 | 0.00000 | 319537.6 | 127199.8 | 183122.1 | S |
| 91.558 | 0.0000 | 0.0000 | 83.335 | 0.05304 | 0.00000 | 319537.6 | 127201.4 | 183122.1 | S |
| 91.567 | 0.0000 | 0.0000 | 83.334 | 0.05303 | 0.00000 | 319537.6 | 127203.0 | 183122.1 | S |
| 91.575 | 0.0000 | 0.0000 | 83.334 | 0.05302 | 0.00000 | 319537.6 | 127204.6 | 183122.1 | S |
| 91.583 | 0.0000 | 0.0000 | 83.334 | 0.05301 | 0.00000 | 319537.6 | 127206.2 | 183122.1 | S |
| 91.592 | 0.0000 | 0.0000 | 83.334 | 0.05300 | 0.00000 | 319537.6 | 127207.8 | 183122.1 | S |
| 91.600 | 0.0000 | 0.0000 | 83.334 | 0.05299 | 0.00000 | 319537.6 | 127209.3 | 183122.1 | S |
| 91.608 | 0.0000 | 0.0000 | 83.333 | 0.05299 | 0.00000 | 319537.6 | 127210.9 | 183122.1 | S |
| 91.617 | 0.0000 | 0.0000 | 83.333 | 0.05298 | 0.00000 | 319537.6 | 127212.5 | 183122.1 | S |
| 91.625 | 0.0000 | 0.0000 | 83.333 | 0.05297 | 0.00000 | 319537.6 | 127214.1 | 183122.1 | S |
| 91.633 | 0.0000 | 0.0000 | 83.333 | 0.05296 | 0.00000 | 319537.6 | 127215.7 | 183122.1 | S |
| 91.642 | 0.0000 | 0.0000 | 83.333 | 0.05295 | 0.00000 | 319537.6 | 127217.3 | 183122.1 | S |
| 91.650 | 0.0000 | 0.0000 | 83.332 | 0.05294 | 0.00000 | 319537.6 | 127218.9 | 183122.1 | S |
| 91.658 | 0.0000 | 0.0000 | 83.332 | 0.05293 | 0.00000 | 319537.6 | 127220.5 | 183122.1 | S |
| 91.667 | 0.0000 | 0.0000 | 83.332 | 0.05293 | 0.00000 | 319537.6 | 127222.1 | 183122.1 | S |
| 91.675 | 0.0000 | 0.0000 | 83.332 | 0.05292 | 0.00000 | $3 ¢ 9537.6$ | 127223.6 | 183122.1 | S |
| 91.683 | 0.0000 | 0.0000 | 83.332 | 0.05291 | 0.00000 | 319537.6 | 127225.2 | 183122.1 | S |
| 91.692 | 0.0000 | 0.0000 | 83.331 | 0.05290 | 0.00000 | 319537.6 | 127226.8 | 183122.1 | S |
| 91.700 | 0.0000 | 0.0000 | 83.331 | 0.05289 | 0.00000 | 319537.6 | 127228.4 | 183122.1 | S |
| 91.708 | 0.0000 | 0.0000 | 83.331 | 0.05288 | 0.00000 | 319537.6 | 127230.0 | 183722.1 | S |
| 91.717 | 0.0000 | 0.0000 | 83.331 | 0.05288 | 0.00000 | 319537.6 | 127231.6 | 183122.1 | S |
| 91.725 | 0.0000 | 0.0000 | 83.331 | 0.05287 | 0.00000 | 319537.6 | 127233.2 | 183122.1 | S |
| 91.733 | 0.0000 | 0.0000 | 83.330 | 0.05286 | 0.00000 | 319537.6 | 127234.7 | 183122.1 | S |
| 91.742 | 0.0000 | 0.0000 | 83.330 | 0.05285 | 0.00000 | 319537.6 | 127236.3 | 183122.1 | S |
| 91.750 | 0.0000 | 0.0000 | 83.330 | 0.05284 | 0.00000 | 319537.6 | 127237.9 | 183122.1 | S |
| 91.758 | 0.0000 | 0.0000 | 83.330 | 0.05283 | 0.00000 | 319537.6 | 127239.5 | 183122.1 | S |
| 91.767 | 0.0000 | 0.0000 | 83.330 | 0.05282 | 0.00000 | 319537.6 | 127241.1 | 183122.1 | S |
| 91.775 | 0.0000 | 0.0000 | 83.330 | 0.05282 | 0.00000 | 319537.6 | 127242.7 | 183122.1 | S |
| 91.783 | 0.0000 | 0.0000 | 83.329 | 0.05281 | 0.00000 | 319537.6 | 127244.3 | 183122.1 | S |
| 91.792 | 0.0000 | 0.0000 | 83.329 | 0.05280 | 0.00000 | 319537.6 | 127245.8 | 183122.1 | S |
| 91.800 | 0.0000 | 0.0000 | 83.329 | 0.05279 | 0.00000 | 319537.6 | 127247.4 | 183122.1 | S |
| 91.808 | 0.0000 | 0.0000 | 83.329 | 0.05278 | 0.00000 | 319537.6 | 127249.0 | 183122.1 | S |
| 91.817 | 0.0000 | 0.0000 | 83.329 | 0.05277 | 0.00000 | 319537.6 | 127250.6 | 183122.1 | S |
| 91.825 | 0.0000 | 0.0000 | 83.328 | 0.05276 | 0.00000 | 319537.6 | 127252.2 | 183122.1 | S |
| 91.833 | 0.0000 | 0.0000 | 83.328 | 0.05276 | 0.00000 | 319537.6 | 127253.8 | 183122.1 | S |
| 91.842 | 0.0000 | 0.0000 | 83.328 | 0.05275 | 0.00000 | 319537.6 | 127255.3 | 183122.1 | S |
| 91.850 | 0.0000 | 0.0000 | 83.328 | 0.05274 | 0.00000 | 319537.6 | 127256.9 | 183122.1 | S |
| 91.858 | 0.0000 | 0.0000 | 83.328 | 0.05273 | 0.00000 | 319537.6 | 127258.5 | 183122.1 | S |
| 91.867 | 0.0000 | 0.0000 | 83.327 | 0.05272 | 0.00000 | 319537.6 | 127260.1 | 183122.1 | S |
| 91.875 | 0.0000 | 0.0000 | 83.327 | 0.05271 | 0.00000 | 319537.6 | 127261.7 | 183122.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3 / 3}$ ) | Outside Recharge (H/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 91.883 | 0.0000 | 0.0000 | 83.327 | 0.05271 | 0.00000 | 319537.6 | 127263.3 | 183122.1 | S |
| 91.892 | 0.0000 | 0.0000 | 83.327 | 0.05270 | 0.00000 | 319537.6 | 127264.8 | 183122.1 | S |
| 91.900 | 0.0000 | 0.0000 | 83.327 | 0.05269 | 0.00000 | 319537.6 | 127266.4 | 183122.1 | S |
| 91.908 | 0.0000 | 0.0000 | 83.326 | 0.05268 | 0.00000 | 319537.6 | 127268.0 | 183122.1 | S |
| 91.917 | 0.0000 | 0.0000 | 83.326 | 0.05267 | 0.00000 | 319537.6 | 127269.6 | 183122.1 | S |
| 91.925 | 0.0000 | 0.0000 | 83.326 | 0.05266 | 0.00000 | 319537.6 | 127271.1 | 183122.1 | S |
| 91.933 | 0.0000 | 0.0000 | 83.326 | 0.05265 | 0.00000 | 319537.6 | 127272.7 | 183122.1 | S |
| 91.942 | 0.0000 | 0.0000 | 83.326 | 0.05265 | 0.00000 | 319537.6 | 127274.3 | 183122.1 | S |
| 91.950 | 0.0000 | 0.0000 | 83.325 | 0.05264 | 0.00000 | 319537.6 | 127275.9 | 183122.1 | S |
| 91.958 | 0.0000 | 0.0000 | 83.325 | 0.05263 | 0.00000 | 319537.6 | 127277.5 | 183122.1 | S |
| 91.967 | 0.0000 | 0.0000 | 83.325 | 0.05262 | 0.00000 | 319537.6 | 127279.0 | 183122.1 | S |
| 91.975 | 0.0000 | 0.0000 | 83.325 | 0.05261 | 0.00000 | 319537.6 | 127280.6 | 183122.1 | S |
| 91.983 | 0.0000 | 0.0000 | 83.325 | 0.05260 | 0.00000 | 319537.6 | 127282.2 | 183122.1 | S |
| 91.992 | 0.0000 | 0.0000 | 83.324 | 0.05260 | 0.00000 | 319537.6 | 127283.8 | 183122.1 | S |
| 92.000 | 0.0000 | 0.0000 | 83.324 | 0.05259 | 0.00000 | 319537.6 | 127285.4 | 183122.1 | S |
| 92.008 | 0.0000 | 0.0000 | 83.324 | 0.05258 | 0.00000 | 319537.6 | 127286.9 | 183122.1 | S |
| 92.017 | 0.0000 | 0.0000 | 83.324 | 0.05257 | 0.00000 | 319537.6 | 127288.5 | 183122.1 | S |
| 92.025 | 0.0000 | 0.0000 | 83.324 | 0.05256 | 0.00000 | 319537.6 | 127290.1 | 183122.1 | S |
| 92.033 | 0.0000 | 0.0000 | 83.323 | 0.05255 | 0.00000 | 319537.6 | 127291.7 | 183122.1 | S |
| 92.042 | 0.0000 | 0.0000 | 83.323 | 0.05254 | 0.00000 | 319537.6 | 127293.2 | 183122.1 | S |
| 92.050 | 0.0000 | 0.0000 | 83.323 | 0.05254 | 0.00000 | 319537.6 | 127294.8 | 183122.1 | S |
| 92.058 | 0.0000 | 0.0000 | 83.323 | 0.05253 | 0.00000 | 319537.6 | 127296.4 | 183122.1 | S |
| 92.067 | 0.0000 | 0.0000 | 83.323 | 0.05252 | 0.00000 | 319537.6 | 127298.0 | 183122.1 | S |
| 92.075 | 0.0000 | 0.0000 | 83.322 | 0.05251 | 0.00000 | 319537.6 | 127299.5 | 183122.1 | S |
| 92.083 | 0.0000 | 0.0000 | 83.322 | 0.05250 | 0.00000 | 319537.6 | 127301.1 | 183122.1 | S |
| 92.092 | 0.0000 | 0.0000 | 83.322 | 0.05249 | 0.00000 | 319537.6 | 127302.7 | 183122.1 | S |
| 92.100 | 0.0000 | 0.0000 | 83.322 | 0.05249 | 0.00000 | 319537.6 | 127304.3 | 183122.1 | S |
| 92.108 | 0.0000 | 0.0000 | 83.322 | 0.05248 | 0.00000 | 319537.6 | 127305.8 | 183122.1 | S |
| 92.117 | 0.0000 | 0.0000 | 83.321 | 0.05247 | 0.00000 | 319537.6 | 127307.4 | 183122.1 | S |
| 92.125 | 0.0000 | 0.0000 | 83.321 | 0.05246 | 0.00000 | 319537.6 | 127309.0 | 183122.1 | S |
| 92.133 | 0.0000 | 0.0000 | 83.321 | 0.05245 | 0.00000 | 319537.6 | 127310.6 | 183122.1 | S |
| 92.142 | 0.0000 | 0.0000 | 83.321 | 0.05244 | 0.00000 | 319537.6 | 127312.1 | 183122.1 | S |
| 92.150 | 0.0000 | 0.0000 | 83.321 | 0.05243 | 0.00000 | 319537.6 | 127313.7 | 183122.1 | S |
| 92.158 | 0.0000 | 0.0000 | 83.321 | 0.05243 | 0.00000 | 319537.6 | 127315.3 | 183122.1 | S |
| 92.167 | 0.0000 | 0.0000 | 83.320 | 0.05242 | 0.00000 | 319537.6 | 127316.9 | 183122.1 | S |
| 92.175 | 0.0000 | 0.0000 | 83.320 | 0.05241 | 0.00000 | 319537.6 | 127318.4 | 183122.1 | S |
| 92.183 | 0.0000 | 0.0000 | 83.320 | 0.05240 | 0.00000 | 319537.6 | 127320.0 | 183122.1 | S |
| 92.192 | 0.0000 | 0.0000 | 83.320 | 0.05239 | 0.00000 | 319537.6 | 127321.6 | 183122.1 | S |
| 92.200 | 0.0000 | 0.0000 | 83.320 | 0.05238 | 0.00000 | 319537.6 | 127323.1 | 183122.1 | S |
| 92.208 | 0.0000 | 0.0000 | 83.319 | 0.05238 | 0.00000 | 319537.6 | 127324.7 | 183122.1 | S |
| 92.217 | 0.0000 | 0.0000 | 83.319 | 0.05237 | 0.00000 | 319537.6 | 127326.3 | 183122.7 | S |
| 92.225 | 0.0000 | 0.0000 | 83.319 | 0.05236 | 0.00000 | 319537.6 | 127327.9 | 183122.1 | S |
| 92.233 | 0.0000 | 0.0000 | 83.319 | 0.05235 | 0.00000 | 319537.6 | 127329.4 | 183122.1 | S |
| 92.242 | 0.0000 | 0.0000 | 83.319 | 0.05234 | 0.00000 | 319537.6 | 127331.0 | 183122.1 | S |
| 92.250 | 0.0000 | 0.0000 | 83.318 | 0.05233 | 0.00000 | 319537.6 | 127332.6 | 183122.1 | S |
| 92.258 | 0.0000 | 0.0000 | 83.318 | 0.05233 | 0.00000 | 319537.6 | 127334.1 | $183\} 22.1$ | S |
| 92.267 | 0.0000 | 0.0000 | 83.318 | 0.05232 | 0.00000 | 319537.6 | 127335.7 | 183722.1 | S |
| 92.275 | 0.0000 | 0.0000 | 83.318 | 0.05231 | 0.00000 | 319537.6 | 127337.3 | 183122.1 | S |
| 92.283 | 0.0000 | 0.0000 | 83.318 | 0.05230 | 0.00000 | 319537.6 | 127338.9 | 183122.1 | S |
| 92.292 | 0.0000 | 0.0000 | 83.317 | 0.05229 | 0.00000 | 319537.6 | 127340.4 | 183122.1 | S |
| 92.300 | 0.0000 | 0.0000 | 83.317 | 0.05228 | 0.00000 | 319537.6 | 127342.0 | 183122.1 | S |
| 92.308 | 0.0000 | 0.0000 | 83.317 | 0.05228 | 0.00000 | 319537.6 | 127343.6 | 183122.1 | S |
| 92.317 | 0.0000 | 0.0000 | 83.317 | 0.05227 | 0.00000 | 319537.6 | 127345.1 | 183122.1 | S |
| 92.325 | 0.0000 | 0.0000 | 83.317 | 0.05226 | 0.00000 | 319537.6 | 127346.7 | 183122.1 | S |
| 92.333 | 0.0000 | 0.0000 | 83.316 | 0.05225 | 0.00000 | 319537.6 | 127348.3 | 183122.1 | S |
| 92.342 | 0.0000 | 0.0000 | 83.316 | 0.05224 | 0.00000 | 319537.6 | 127349.8 | 183122.1 | S |
| 92.350 | 0.0000 | 0.0000 | 83.316 | 0.05223 | 0.00000 | 319537.6 | 127351.4 | 183122.1 | S |
| 92.358 | 0.0000 | 0.0000 | 83.316 | 0.05223 | 0.00000 | 319537.6 | 127353.0 | 183122.1 | S |
| 92.367 | 0.0000 | 0.0000 | 83.316 | 0.05222 | 0.00000 | 319537.6 | 127354.5 | 183122.1 | S |
| 92.375 | 0.0000 | 0.0000 | 83.315 | 0.05221 | 0.00000 | 319537.6 | 127356.1 | 183122.1 | S |
| 92.383 | 0.0000 | 0.0000 | 83.315 | 0.05220 | 0.00000 | 319537.6 | 127357.7 | 183122.1 | S |
| 92.392 | 0.0000 | 0.0000 | 83.315 | 0.05219 | 0.00000 | 319537.6 | 127359.2 | 183122.1 | S |
| 92.400 | 0.0000 | 0.0000 | 83.315 | 0.05218 | 0.00000 | 319537.6 | 127360.8 | 183122.1 | S |
| 92.408 | 0.0000 | 0.0000 | 83.315 | 0.05218 | 0.00000 | 319537.6 | 127362.4 | 183122.1 | S |
| 92.417 | 0.0000 | 0.0000 | 83.314 | 0.05217 | 0.00000 | 319537.6 | 127363.9 | 183122.1 | S |
| 92.425 | 0.0000 | 0.0000 | 83.314 | 0.05216 | 0.00000 | 319537.6 | 127365.5 | 183122.1 | S |
| 92.433 | 0.0000 | 0.0000 | 83.314 | 0.05215 | 0.00000 | 319537.6 | 127367.1 | 183122.1 | S |
| 92.442 | 0.0000 | 0.0000 | 83.314 | 0.05214 | 0.00000 | 319537.6 | 127368.6 | 183122.1 | S |
| 92.450 | 0.0000 | 0.0000 | 83.314 | 0.05213 | 0.00000 | 319537.6 | 127370.2 | 183122.1 | S |
| 92.458 | 0.0000 | 0.0000 | 83.314 | 0.05212 | 0.00000 | 319537.6 | 127371.7 | 183122.1 | S |
| 92.467 | 0.0000 | 0.0000 | 83.313 | 0.05212 | 0.00000 | 319537.6 | 127373.3 | 183122.1 | S |
| 92.475 | 0.0000 | 0.0000 | 83.313 | 0.05211 | 0.00000 | 319537.6 | 127374.9 | 183122.1 | S |
| 92.483 | 0.0000 | 0.0000 | 83.313 | 0.05210 | 0.00000 | $3 \ddagger 9537.6$ | 127376.4 | 183122.1 | S |
| 92.492 | 0.0000 | 0.0000 | 83.313 | 0.05209 | 0.00000 | 319537.6 | 127378.0 | 183122.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation ( ft datum) | Enfiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overifow <br> Discharge ( $\mathrm{f} \mathrm{t}^{3} \mathrm{~s}$ ) | Cumulative Inflow Volume (fts) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 92.500 | 0.0000 | 0.0000 | 83.313 | 0.05208 | 0.00000 | 319537.6 | 127379.6 | 183122.1 | S |
| 92.508 | 0.0000 | 0.0000 | 83.312 | 0.05207 | 0.00000 | 319537.6 | 127381.1 | 183122.1 | S |
| 92.517 | 0.0000 | 0.0000 | 83.312 | 0.05207 | 0.00000 | 319537.6 | 127382.7 | 183122.1 | S |
| 92.525 | 0.0000 | 0.0000 | 83.312 | 0.05206 | 0.00000 | 319537.6 | 127384.3 | 183122.1 | S |
| 92.533 | 0.0000 | 0.0000 | 83.312 | 0.05205 | 0.00000 | 319537.6 | 127385.8 | 183122.1 | S |
| 92.542 | 0.0000 | 0.0000 | 83.312 | 0.05204 | 0.00000 | 319537.6 | 127387.4 | 183122.1 | S |
| 92.550 | 0.0000 | 0.0000 | 83.311 | 0.05203 | 0.00000 | 319537.6 | 127388.9 | 183122.1 | S |
| 92.558 | 0.0000 | 0.0000 | 83.311 | 0.05202 | 0.00000 | 319537.6 | 127390.5 | 183122.1 | S |
| 92.567 | 0.0000 | 0.0000 | 83.311 | 0.05202 | 0.00000 | 319537.6 | 127392.1 | 183122.1 | S |
| 92.575 | 0.0000 | 0.0000 | 83.311 | 0.05201 | 0.00000 | 319537.6 | 127393.6 | 183122.1 | S |
| 92.583 | 0.0000 | 0.0000 | 83.311 | 0.05200 | 0.00000 | 319537.6 | 127395.2 | 183122.1 | S |
| 92.592 | 0.0000 | 0.0000 | 83.310 | 0.05199 | 0.00000 | 319537.6 | 127396.7 | 183122.1 | S |
| 92.600 | 0.0000 | 0.0000 | 83.310 | 0.05198 | 0.00000 | 319537.6 | 127398.3 | 183122.1 | S |
| 92.608 | 0.0000 | 0.0000 | 83.310 | 0.05198 | 0.00000 | 319537.6 | 127399.9 | 183122.1 | S |
| 92.617 | 0.0000 | 0.0000 | 83.310 | 0.05197 | 0.00000 | 319537.6 | 127401.4 | 183122.1 | S |
| 92.625 | 0.0000 | 0.0000 | 83.310 | 0.05196 | 0.00000 | 319537.6 | 127403.0 | 183122.1 | S |
| 92.633 | 0.0000 | 0.0000 | 83.309 | 0.05195 | 0.00000 | 319537.6 | 127404.5 | 183122.1 | S |
| 92.642 | 0.0000 | 0.0000 | 83.309 | 0.05194 | 0.00000 | 319537.6 | 127406.1 | 183122.1 | S |
| 92.650 | 0.0000 | 0.0000 | 83.309 | 0.05193 | 0.00000 | 319537.6 | 127407.6 | 183122.1 | S |
| 92.658 | 0.0000 | 0.0000 | 83.309 | 0.05193 | 0.00000 | 319537.6 | 127409.2 | 183122.1 | S |
| 92.667 | 0.0000 | 0.0000 | 83.309 | 0.05192 | 0.00000 | 319537.6 | 127410.8 | 183122.1 | S |
| 92.675 | 0.0000 | 0.0000 | 83.308 | 0.05191 | 0.00000 | 319537.6 | 127412.3 | 183122.1 | S |
| 92.683 | 0.0000 | 0.0000 | 83.308 | 0.05190 | 0.00000 | 319537.6 | 127413.9 | 183122.1 | S |
| 92.692 | 0.0000 | 0.0000 | 83.308 | 0.05189 | 0.00000 | 319537.6 | 127415.4 | 183122.1 | S |
| 92.700 | 0.0000 | 0.0000 | 83.308 | 0.05188 | 0.00000 | 319537.6 | 127417.0 | 183122.1 | S |
| 92.708 | 0.0000 | 0.0000 | 83.308 | 0.05188 | 0.00000 | 319537.6 | 127418.5 | 183122.1 | S |
| 92.717 | 0.0000 | 0.0000 | 83.308 | 0.05187 | 0.00000 | 319537.6 | 127420.1 | 183122.1 | S |
| 92.725 | 0.0000 | 0.0000 | 83.307 | 0.05186 | 0.00000 | 319537.6 | 127421.7 | 183122.1 | S |
| 92.733 | 0.0000 | 0.0000 | 83.307 | 0.05185 | 0.00000 | 319537.6 | 127423.2 | 183122.1 | S |
| 92.742 | 0.0000 | 0.0000 | 83.307 | 0.05184 | 0.00000 | 319537.6 | \{27424.8 | 183122.1 | S |
| 92.750 | 0.0000 | 0.0000 | 83.307 | 0.05183 | 0.00000 | 319537.6 | 127426.3 | 183122.1 | S |
| 92.758 | 0.0000 | 0.0000 | 83.307 | 0.05183 | 0.00000 | 319537.6 | 127427.9 | 183122.1 | S |
| 92.767 | 0.0000 | 0.0000 | 83.306 | 0.05182 | 0.00000 | 319537.6 | 127429.4 | 183122.1 | S |
| 92.775 | 0.0000 | 0.0000 | 83.306 | 0.05181 | 0.00000 | 319537.6 | 127431.0 | 183122.1 | S |
| 92.783 | 0.0000 | 0.0000 | 83.306 | 0.05180 | 0.00000 | 319537.6 | 127432.5 | 183122.1 | S |
| 92.792 | 0.0000 | 0.0000 | 83.306 | 0.05179 | 0.00000 | 319537.6 | 127434.1 | 183122.1 | S |
| 92.800 | 0.0000 | 0.0000 | 83.306 | 0.05178 | 0.00000 | 319537.6 | 127435.6 | 183122.1 | S |
| 92.808 | 0.0000 | 0.0000 | 83.305 | 0.05178 | 0.00000 | 319537.6 | 127437.2 | 183122.1 | S |
| 92.817 | 0.0000 | 0.0000 | 83.305 | 0.05177 | 0.00000 | 319537.6 | 127438.8 | 183122.1 | S |
| 92.825 | 0.0000 | 0.0000 | 83.305 | 0.05176 | 0.00000 | 319537.6 | 127440.3 | 183122.1 | S |
| 92.833 | 0.0000 | 0.0000 | 83.305 | 0.05175 | 0.00000 | 319537.6 | 127441.9 | $183\{22.1$ | S |
| 92.842 | 0.0000 | 0.0000 | 83.305 | 0.05174 | 0.00000 | 319537.6 | 127443.4 | 183122.1 | S |
| 92.850 | 0.0000 | 0.0000 | 83.304 | 0.05174 | 0.00000 | 319537.6 | 127445.0 | 183122.1 | S |
| 92.858 | 0.0000 | 0.0000 | 83.304 | 0.05173 | 0.00000 | 319537.6 | 127446.5 | 183122.1 | S |
| 92.867 | 0.0000 | 0.0000 | 83.304 | 0.05172 | 0.00000 | 319537.6 | 127448.1 | 183122.1 | S |
| 92.875 | 0.0000 | 0.0000 | 83.304 | 0.05171 | 0.00000 | 319537.6 | 127449.6 | 183122.1 | S |
| 92.883 | 0.0000 | 0.0000 | 83.304 | 0.05170 | 0.00000 | 319537.6 | 127451.2 | 183122.1 | S |
| 92.892 | 0.0000 | 0.0000 | 83.303 | 0.05169 | 0.00000 | 319537.6 | 127452.7 | 183122.1 | S |
| 92.900 | 0.0000 | 0.0000 | 83.303 | 0.05169 | 0.00000 | 319537.6 | 127454.3 | 183122.1 | S |
| 92.908 | 0.0000 | 0.0000 | 83.303 | 0.05168 | 0.00000 | 319537.6 | 127455.8 | 183122.1 | S |
| 92.917 | 0.0000 | 0.0000 | 83.303 | 0.05167 | 0.00000 | 319537.6 | 127457.4 | 183122.1 | S |
| 92.925 | 0.0000 | 0.0000 | 83.303 | 0.05166 | 0.00000 | 319537.6 | 127458.9 | 183122.1 | S |
| 92.933 | 0.0000 | 0.0000 | 83.302 | 0.05165 | 0.00000 | 319537.6 | 127460.5 | 183122.1 | S |
| 92.942 | 0.0000 | 0.0000 | 83.302 | 0.05164 | 0.00000 | 319537.6 | 127462.0 | 183122.1 | S |
| 92.950 | 0.0000 | 0.0000 | 83.302 | 0.05164 | 0.00000 | 319537.6 | 127463.6 | 183122.1 | S |
| 92.958 | 0.0000 | 0.0000 | 83.302 | 0.05163 | 0.00000 | 319537.6 | 127465.1 | 183122.1 | S |
| 92.967 | 0.0000 | 0.0000 | 83.302 | 0.05162 | 0.00000 | 319537.6 | 127466.7 | 183122.1 | S |
| 92.975 | 0.0000 | 0.0000 | 83.302 | 0.05161 | 0.00000 | 319537.6 | 127468.2 | 183122.1 | S |
| 92.983 | 0.0000 | 0.0000 | 83.301 | 0.05160 | 0.00000 | 319537.6 | 127469.8 | 183122.1 | S |
| 92.992 | 0.0000 | 0.0000 | 83.301 | 0.05160 | 0.00000 | 319537.6 | 127471.3 | 183122.1 | S |
| 93.000 | 0.0000 | 0.0000 | 83.301 | 0.05159 | 0.00000 | 319537.6 | 127472.9 | 183122.1 | S |
| 93.008 | 0.0000 | 0.0000 | 83.301 | 0.05158 | 0.00000 | 319537.6 | 127474.4 | 183122.1 | S |
| 93.017 | 0.0000 | 0.0000 | 83.301 | 0.05157 | 0.00000 | 319537.6 | 127476.0 | 183122.1 | S |
| 93.025 | 0.0000 | 0.0000 | 83.300 | 0.05156 | 0.00000 | 319537.6 | 127477.5 | 183122.1 | S |
| 93.033 | 0.0000 | 0.0000 | 83.300 | 0.05155 | 0.00000 | 319537.6 | 127479.1 | 183122.1 | S |
| 93.042 | 0.0000 | 0.0000 | 83.300 | 0.05155 | 0.00000 | 319537.6 | 127480.6 | 183122.1 | S |
| 93.050 | 0.0000 | 0.0000 | 83.300 | 0.05154 | 0.00000 | 319537.6 | 127482.1 | 183122.1 | S |
| 93.058 | 0.0000 | 0.0000 | 83.300 | 0.05153 | 0.00000 | 319537.6 | 127483.7 | 183122.1 | S |
| 93.067 | 0.0000 | 0.0000 | 83.299 | 0.05152 | 0.00000 | 319537.6 | 127485.2 | 183122.1 | S |
| 93.075 | 0.0000 | 0.0000 | 83.299 | 0.05151 | 0.00000 | 319537.6 | 127486.8 | 183122.1 | S |
| 93.083 | 0.0000 | 0.0000 | 83.299 | 0.05150 | 0.00000 | 319537.6 | 127488.3 | 183122.1 | S |
| 93.092 | 0.0000 | 0.0000 | 83.299 | 0.05150 | 0.00000 | 319537.6 | 127489.9 | 183122.1 | S |
| 93.100 | 0.0000 | 0.0000 | 83.299 | 0.05149 | 0.00000 | 319537.6 | 127491.4 | 183122.1 | S |
| 93.108 | 0.0000 | 0.0000 | 83.298 | 0.05148 | 0.00000 | 319537.6 | 127493.0 | 183122.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 93.117 | 0.0000 | 0.0000 | 83.298 | 0.05147 | 0.00000 | 319537.6 | 127494.5 | 183122.1 | S |
| 93.125 | 0.0000 | 0.0000 | 83.298 | 0.05146 | 0.00000 | 319537.6 | 127496.0 | 183122.1 | S |
| 93.133 | 0.0000 | 0.0000 | 83.298 | 0.05146 | 0.00000 | 319537.6 | 127497.6 | 183122.1 | S |
| 93.142 | 0.0000 | 0.0000 | 83.298 | 0.05145 | 0.00000 | 319537.6 | 127499.1 | 183122.1 | S |
| 93.150 | 0.0000 | 0.0000 | 83.297 | 0.05144 | 0.00000 | 319537.6 | 127500.7 | 183122.1 | S |
| 93.158 | 0.0000 | 0.0000 | 83.297 | 0.05143 | 0.00000 | 319537.6 | 127502.2 | 183122.1 | S |
| 93.167 | 0.0000 | 0.0000 | 83.297 | 0.05142 | 0.00000 | 319537.6 | 127503.8 | 183122.1 | S |
| 93.175 | 0.0000 | 0.0000 | 83.297 | 0.05141 | 0.00000 | 319537.6 | 127505.3 | 183122.1 | S |
| 93.183 | 0.0000 | 0.0000 | 83.297 | 0.05141 | 0.00000 | 319537.6 | 127506.9 | 183122.1 | S |
| 93.192 | 0.0000 | 0.0000 | 83.297 | 0.05140 | 0.00000 | 319537.6 | 127508.4 | 183122.1 | S |
| 93.200 | 0.0000 | 0.0000 | 83.296 | 0.05139 | 0.00000 | 319537.6 | 127509.9 | 183122.1 | S |
| 93.208 | 0.0000 | 0.0000 | 83.296 | 0.05138 | 0.00000 | 319537.6 | 127511.5 | 183122.1 | S |
| 93.217 | 0.0000 | 0.0000 | 83.296 | 0.05137 | 0.00000 | 319537.6 | 127513.0 | 183122.1 | S |
| 93.225 | 0.0000 | 0.0000 | 83.296 | 0.05137 | 0.00000 | 319537.6 | 127514.6 | 183122.1 | S |
| 93.233 | 0.0000 | 0.0000 | 83.296 | 0.05136 | 0.00000 | 319537.6 | 127516.1 | 183122.1 | S |
| 93.242 | 0.0000 | 0.0000 | 83.295 | 0.05135 | 0.00000 | 319537.6 | 127517.6 | 183122.1 | S |
| 93.250 | 0.0000 | 0.0000 | 83.295 | 0.05134 | 0.00000 | 319537.6 | 127519.2 | 183122.1 | S |
| 93.258 | 0.0000 | 0.0000 | 83.295 | 0.05133 | 0.00000 | 319537.6 | 127520.7 | 183122.1 | S |
| 93.267 | 0.0000 | 0.0000 | 83.295 | 0.05133 | 0.00000 | 319537.6 | 127522.3 | 183122.1 | S |
| 93.275 | 0.0000 | 0.0000 | 83.295 | 0.05132 | 0.00000 | 319537.6 | 127523.8 | 183122.1 | S |
| 93.283 | 0.0000 | 0.0000 | 83.294 | 0.05131 | 0.00000 | 319537.6 | 127525.3 | 183122.1 | S |
| 93.292 | 0.0000 | 0.0000 | 83.294 | 0.05130 | 0.00000 | 319537.6 | 127526.9 | 183122.1 | S |
| 93.300 | 0.0000 | 0.0000 | 83.294 | 0.05129 | 0.00000 | 319537.6 | 127528.4 | 183122.1 | S |
| 93.308 | 0.0000 | 0.0000 | 83.294 | 0.05128 | 0.00000 | 319537.6 | 127530.0 | 183122.4 | S |
| 93.317 | 0.0000 | 0.0000 | 83.294 | 0.05128 | 0.00000 | 319537.6 | 127531.5 | 183122.1 | S |
| 93.325 | 0.0000 | 0.0000 | 83.293 | 0.05127 | 0.00000 | 319537.6 | 127533.0 | 183122.1 | S |
| 93.333 | 0.0000 | 0.0000 | 83.293 | 0.05126 | 0.00000 | 319537.6 | 127534.6 | 183122.1 | S |
| 93.342 | 0.0000 | 0.0000 | 83.293 | 0.05125 | 0.00000 | 319537.6 | 127536.1 | 183122.1 | S |
| 93.350 | 0.0000 | 0.0000 | 83.293 | 0.05124 | 0.00000 | 319537.6 | 127537.6 | 183122.1 | S |
| 93.358 | 0.0000 | 0.0000 | 83.293 | 0.05124 | 0.00000 | 319537.6 | 127539.2 | 183122.1 | S |
| 93.367 | 0.0000 | 0.0000 | 83.292 | 0.05123 | 0.00000 | 319537.6 | 127540.7 | 183122.1 | S |
| 93.375 | 0.0000 | 0.0000 | 83.292 | 0.05122 | 0.00000 | 319537.6 | 127542.3 | 183122.1 | S |
| 93.383 | 0.0000 | 0.0000 | 83.292 | 0.05121 | 0.00000 | 319537.6 | 127543.8 | 183122.1 | S |
| 93.392 | 0.0000 | 0.0000 | 83.292 | 0.05120 | 0.00000 | 319537.6 | 127545.3 | 183122.1 | S |
| 93.400 | 0.0000 | 0.0000 | 83.292 | 0.05119 | 0.00000 | 319537.6 | 127546.9 | 183122.1 | S |
| 93.408 | 0.0000 | 0.0000 | 83.292 | 0.05119 | 0.00000 | 319537.6 | 127548.4 | 183122.1 | S |
| 93.417 | 0.0000 | 0.0000 | 83.291 | 0.05118 | 0.00000 | 319537.6 | 127549.9 | 183122.1 | S |
| 93.425 | 0.0000 | 0.0000 | 83.291 | 0.05117 | 0.00000 | 319537.6 | 127551.5 | 183122.1 | S |
| 93.433 | 0.0000 | 0.0000 | 83.291 | 0.05116 | 0.00000 | 319537.6 | 127553.0 | 183122.4 | S |
| 93.442 | 0.0000 | 0.0000 | 83.291 | 0.05115 | 0.00000 | 319537.6 | 127554.5 | 183122.1 | S |
| 93.450 | 0.0000 | 0.0000 | 83.291 | 0.05115 | 0.00000 | 319537.6 | 127556.1 | 183122.1 | S |
| 93.458 | 0.0000 | 0.0000 | 83.290 | 0.05114 | 0.00000 | 319537.6 | 127557.6 | 183122.1 | S |
| 93.467 | 0.0000 | 0.0000 | 83.290 | 0.05113 | 0.00000 | 319537.6 | 127559.1 | 183122.1 | S |
| 93.475 | 0.0000 | 0.0000 | 83.290 | 0.05112 | 0.00000 | 319537.6 | 127560.7 | 183122.1 | S |
| 93.483 | 0.0000 | 0.0000 | 83.290 | 0.05111 | 0.00000 | 319537.6 | 127562.2 | 183122.1 | S |
| 93.492 | 0.0000 | 0.0000 | 83.290 | 0.05111 | 0.00000 | 319537.6 | 127563.7 | 183122.1 | S |
| 93.500 | 0.0000 | 0.0000 | 83.289 | 0.05110 | 0.00000 | 319537.6 | 127565.3 | 183122.1 | S |
| 93.508 | 0.0000 | 0.0000 | 83.289 | 0.05109 | 0.00000 | 319537.6 | 127566.8 | 183122.1 | S |
| 93.517 | 0.0000 | 0.0000 | 83.289 | 0.05108 | 0.00000 | 319537.6 | 127568.3 | 183122.1 | S |
| 93.525 | 0.0000 | 0.0000 | 83.289 | 0.05107 | 0.00000 | 319537.6 | 127569.9 | 183122.1 | S |
| 93.533 | 0.0000 | 0.0000 | 83.289 | 0.05107 | 0.00000 | 319537.6 | 127571.4 | 183122.1 | S |
| 93.542 | 0.0000 | 0.0000 | 83.288 | 0.05106 | 0.00000 | 319537.6 | 127572.9 | 183122.1 | S |
| 93.550 | 0.0000 | 0.0000 | 83.288 | 0.05105 | 0.00000 | 319537.6 | 127574.5 | 183122.1 | S |
| 93.558 | 0.0000 | 0.0000 | 83.288 | 0.05104 | 0.00000 | 319537.6 | 127576.0 | 183122.1 | S |
| 93.567 | 0.0000 | 0.0000 | 83.288 | 0.05103 | 0.00000 | 319537.6 | 127577.5 | 183122.1 | S |
| 93.575 | 0.0000 | 0.0000 | 83.288 | 0.05102 | 0.00000 | 319537.6 | 127579.1 | 183122.1 | S |
| 93.583 | 0.0000 | 0.0000 | 83.288 | 0.05102 | 0.00000 | 319537.6 | 127580.6 | 183122.1 | S |
| 93.592 | 0.0000 | 0.0000 | 83.287 | 0.05101 | 0.00000 | 319537.6 | \$27582.1 | 183122.1 | S |
| 93.600 | 0.0000 | 0.0000 | 83.287 | 0.05100 | 0.00000 | 319537.6 | 127583.7 | 183122.1 | S |
| 93.608 | 0.0000 | 0.0000 | 83.287 | 0.05099 | 0.00000 | 319537.6 | 127585.2 | 183122.1 | S |
| 93.617 | 0.0000 | 0.0000 | 83.287 | 0.05098 | 0.00000 | 319537.6 | 127586.7 | 183122.1 | S |
| 93.625 | 0.0000 | 0.0000 | 83.287 | 0.05098 | 0.00000 | 319537.6 | 127588.2 | 183122.1 | S |
| 93.633 | 0.0000 | 0.0000 | 83.286 | 0.05097 | 0.00000 | 319537.6 | 127589.8 | 183122.1 | S |
| 93.642 | 0.0000 | 0.0000 | 83.286 | 0.05096 | 0.00000 | 319537.6 | 127591.3 | 183122.1 | S |
| 93.650 | 0.0000 | 0.0000 | 83.286 | 0.05095 | 0.00000 | 319537.6 | 127582.8 | 183122.1 | S |
| 93.658 | 0.0000 | 0.0000 | 83.286 | 0.05094 | 0.00000 | 319537.6 | 127594.4 | 183122.1 | S |
| 93.667 | 0.0000 | 0.0000 | 83.286 | 0.05094 | 0.00000 | 319537.6 | 127595.9 | 183122.1 | S |
| 93.675 | 0.0000 | 0.0000 | 83.285 | 0.05093 | 0.00000 | 319537.6 | 127597.4 | 183122.1 | S |
| 93.683 | 0.0000 | 0.0000 | 83.285 | 0.05092 | 0.00000 | 319537.6 | 127598.9 | 183122.1 | S |
| 93.692 | 0.0000 | 0.0000 | 83.285 | 0.05091 | 0.00000 | 319537.6 | 127600.5 | 183122.1 | S |
| 93.700 | 0.0000 | 0.0000 | 83.285 | 0.05090 | 0.00000 | 319537.6 | 127602.0 | 183122.1 | S |
| 93.708 | 0.0000 | 0.0000 | 83.285 | 0.05090 | 0.00000 | 319537.6 | 127603.5 | 183122.1 | S |
| 93.717 | 0.0000 | 0.0000 | 83.284 | 0.05089 | 0.00000 | 319537.6 | 127605.1 | 183122.1 | S |
| 93.725 | 0.0000 | 0.0000 | 83.284 | 0.05088 | 0.00000 | 319537.6 | 127606.6 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (fl datum) | Infiltration Rate ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{t}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{fl}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 93.733 | 0.0000 | 0.0000 | 83.284 | 0.05087 | 0.00000 | 319537.6 | 127608.1 | 183122.1 | S |
| 93.742 | 0.0000 | 0.0000 | 83.284 | 0.05086 | 0.00000 | 319537.6 | 127609.6 | 183122.1 | S |
| 93.750 | 0.0000 | 0.0000 | 83.284 | 0.05086 | 0.00000 | 319537.6 | 127611.2 | 183122.1 | S |
| 93.758 | 0.0000 | 0.0000 | 83.284 | 0.05085 | 0.00000 | 319537.6 | 127612.7 | 183122.3 | S |
| 93.767 | 0.0000 | 0.0000 | 83.283 | 0.05084 | 0.00000 | 319537.6 | 127614.2 | 183122.1 | S |
| 93.775 | 0.0000 | 0.0000 | 83.283 | 0.05083 | 0.00000 | 319537.6 | 127615.7 | 183122.1 | S |
| 93.783 | 0.0000 | 0.0000 | 83.283 | 0.05082 | 0.00000 | 319537.6 | 127617.3 | 183122.1 | S |
| 93.792 | 0.0000 | 0.0000 | 83.283 | 0.05082 | 0.00000 | 319537.6 | 127618.8 | 183122.1 | S |
| 93.800 | 0.0000 | 0.0000 | 83.283 | 0.05081 | 0.00000 | 319537.6 | 127620.3 | 183122.1 | S |
| 93.808 | 0.0000 | 0.0000 | 83.282 | 0.05080 | 0.00000 | 319537.6 | 127621.8 | 183122.1 | S |
| 93.817 | 0.0000 | 0.0000 | 83.282 | 0.05079 | 0.00000 | 319537.6 | 127623.4 | 183122.1 | S |
| 93.825 | 0.0000 | 0.0000 | 83.282 | 0.05078 | 0.00000 | 319537.6 | 127624.9 | 183122.1 | S |
| 93.833 | 0.0000 | 0.0000 | 83.282 | 0.05078 | 0.00000 | 319537.6 | 127626.4 | 183122.1 | S |
| 93.842 | 0.0000 | 0.0000 | 83.282 | 0.05077 | 0.00000 | 319537.6 | 127627.9 | 183122.1 | S |
| 93.850 | 0.0000 | 0.0000 | 83.281 | 0.05076 | 0.00000 | 319537.6 | 127629.4 | 183122.1 | S |
| 93.858 | 0.0000 | 0.0000 | 83.281 | 0.05075 | 0.00000 | 319537.6 | 127631.0 | 183122.1 | S |
| 93.867 | 0.0000 | 0.0000 | 83.281 | 0.05074 | 0.00000 | 319537.6 | 127632.5 | 183122.1 | S |
| 93.875 | 0.0000 | 0.0000 | 83.281 | 0.05074 | 0.00000 | 319537.6 | 127634.0 | 183122.1 | S |
| 93.883 | 0.0000 | 0.0000 | 83.281 | 0.05073 | 0.00000 | 319537.6 | 127635.5 | 183122.1 | S |
| 93.892 | 0.0000 | 0.0000 | 83.280 | 0.05072 | 0.00000 | 319537.6 | 127637.1 | 183122.1 | S |
| 93.900 | 0.0000 | 0.0000 | 83.280 | 0.05071 | 0.00000 | 319537.6 | 127638.6 | 183122.1 | S |
| 93.908 | 0.0000 | 0.0000 | 83.280 | 0.05070 | 0.00000 | 319537.6 | 127640.1 | 183122.1 | S |
| 93.917 | 0.0000 | 0.0000 | 83.280 | 0.05070 | 0.00000 | 319537.6 | 127641.6 | 183122.4 | S |
| 93.925 | 0.0000 | 0.0000 | 83.280 | 0.05069 | 0.00000 | 319537.6 | 127643.1 | 183122.1 | S |
| 93.933 | 0.0000 | 0.0000 | 83.280 | 0.05068 | 0.00000 | 319537.6 | 127644.7 | 183122.1 | S |
| 93.942 | 0.0000 | 0.0000 | 83.279 | 0.05067 | 0.00000 | 319537.6 | 127646.2 | 183122.1 | S |
| 93.950 | 0.0000 | 0.0000 | 83.279 | 0.05066 | 0.00000 | 319537.6 | 127647.7 | 183122.1 | S |
| 93.958 | 0.0000 | 0.0000 | 83.279 | 0.05066 | 0.00000 | 319537.6 | 127649.2 | 183122.1 | S |
| 93.967 | 0.0000 | 0.0000 | 83.279 | 0.05065 | 0.00000 | 319537.6 | 127650.7 | 183122.1 | S |
| 93.975 | 0.0000 | 0.0000 | 83.279 | 0.05064 | 0.00000 | 319537.6 | 127652.3 | 183122.1 | S |
| 93.983 | 0.0000 | 0.0000 | 83.278 | 0.05063 | 0.00000 | 319537.6 | 127653.8 | 183122.1 | S |
| 93.992 | 0.0000 | 0.0000 | 83.278 | 0.05062 | 0.00000 | 319537.6 | 127655.3 | 183122.1 | S |
| 94.000 | 0.0000 | 0.0000 | 83.278 | 0.05062 | 0.00000 | 319537.6 | 127656.8 | 183122.1 | S |
| 94.008 | 0.0000 | 0.0000 | 83.278 | 0.05061 | 0.00000 | 319537.6 | 127658.3 | 183122.1 | S |
| 94.017 | 0.0000 | 0.0000 | 83.278 | 0.05060 | 0.00000 | 319537.6 | 127659.9 | 183122.1 | S |
| 94.025 | 0.0000 | 0.0000 | 83.277 | 0.05059 | 0.00000 | 319537.6 | 127661.4 | 183122.1 | S |
| 94.033 | 0.0000 | 0.0000 | 83.277 | 0.05058 | 0.00000 | 319537.6 | 127662.9 | 183122.1 | S |
| 94.042 | 0.0000 | 0.0000 | 83.277 | 0.05058 | 0.00000 | 319537.6 | 127664.4 | 183122.1 | S |
| 94.050 | 0.0000 | 0.0000 | 83.277 | 0.05057 | 0.00000 | 319537.6 | 127665.9 | 183122.1 | S |
| 94.058 | 0.0000 | 0.0000 | 83.277 | 0.05056 | 0.00000 | 319537.6 | 127667.4 | 183122.1 | S |
| 94.067 | 0.0000 | 0.0000 | 83.276 | 0.05055 | 0.00000 | 319537.6 | 127669.0 | 183122.1 | S |
| 94.075 | 0.0000 | 0.0000 | 83.276 | 0.05054 | 0.00000 | 319537.6 | 127670.5 | 183122.1 | S |
| 94.083 | 0.0000 | 0.0000 | 83.276 | 0.05054 | 0.00000 | 319537.6 | 127672.0 | 183122.1 | S |
| 94.092 | 0.0000 | 0.0000 | 83.276 | 0.05053 | 0.00000 | 319537.6 | 127673.5 | 183122.1 | S |
| 94.100 | 0.0000 | 0.0000 | 83.276 | 0.05052 | 0.00000 | 319537.6 | 127675.0 | 183122.1 | S |
| 94.108 | 0.0000 | 0.0000 | 83.276 | 0.05051 | 0.00000 | 319537.6 | 127676.5 | 183122.1 | S |
| 94.117 | 0.0000 | 0.0000 | 83.275 | 0.05050 | 0.00000 | 319537.6 | 127678.1 | 183122.1 | S |
| 94.125 | 0.0000 | 0.0000 | 83.275 | 0.05050 | 0.00000 | 319537.6 | 127679.6 | 183122.1 | S |
| 94.133 | 0.0000 | 0.0000 | 83.275 | 0.05049 | 0.00000 | 319537.6 | 127681.1 | 183122.1 | S |
| 94.142 | 0.0000 | 0.0000 | 83.275 | 0.05048 | 0.00000 | 319537.6 | 127682.6 | 183122.1 | S |
| 94.150 | 0.0000 | 0.0000 | 83.275 | 0.05047 | 0.00000 | 319537.6 | 127684.1 | 183122.1 | S |
| 94.158 | 0.0000 | 0.0000 | 83.274 | 0.05046 | 0.00000 | 319537.6 | 127685.6 | 183122.1 | S |
| 94.167 | 0.0000 | 0.0000 | 83.274 | 0.05046 | 0.00000 | 319537.6 | 127687.1 | 183122.1 | S |
| 94.175 | 0.0000 | 0.0000 | 83.274 | 0.05045 | 0.00000 | 319537.6 | 127688.7 | \$83122.1 | S |
| 94.183 | 0.0000 | 0.0000 | 83.274 | 0.05044 | 0.00000 | 319537.6 | 127690.2 | 183122.1 | S |
| 94.192 | 0.0000 | 0.0000 | 83.274 | 0.05043 | 0.00000 | 319537.6 | 127691.7 | 183122.1 | S |
| 94.200 | 0.0000 | 0.0000 | 83.273 | 0.05042 | 0.00000 | 319537.6 | 127693.2 | 183122.1 | S |
| 94.208 | 0.0000 | 0.0000 | 83.273 | 0.05042 | 0.00000 | 319537.6 | 127694.7 | 183122.1 | S |
| 94.217 | 0.0000 | 0.0000 | 83.273 | 0.05041 | 0.00000 | 319537.6 | 127696.2 | 183122.1 | S |
| 94.225 | 0.0000 | 0.0000 | 83.273 | 0.05040 | 0.00000 | 319537.6 | 127697.7 | 183122.1 | S |
| 94.233 | 0.0000 | 0.0000 | 83.273 | 0.05039 | 0.00000 | 319537.6 | 127699.2 | 183122.1 | S |
| 94.242 | 0.0000 | 0.0000 | 83.272 | 0.05038 | 0.00000 | 319537.6 | 127700.8 | 183122.1 | S |
| 94.250 | 0.0000 | 0.0000 | 83.272 | 0.05038 | 0.00000 | 319537.6 | 127702.3 | 183122.1 | S |
| 94.258 | 0.0000 | 0.0000 | 83.272 | 0.05037 | 0.00000 | 319537.6 | 127703.8 | 183122.1 | S |
| 94.267 | 0.0000 | 0.0000 | 83.272 | 0.05036 | 0.00000 | 319537.6 | 127705.3 | 183122.1 | S |
| 94.275 | 0.0000 | 0.0000 | 83.272 | 0.05035 | 0.00000 | 319537.6 | 127706.8 | 183122.1 | S |
| 94.283 | 0.0000 | 0.0000 | 83.272 | 0.05034 | 0.00000 | 319537.6 | 127708.3 | 183122.1 | S |
| 94.292 | 0.0000 | 0.0000 | 83.271 | 0.05034 | 0.00000 | 319537.6 | 127709.8 | 183122.1 | S |
| 94.300 | 0.0000 | 0.0000 | 83.271 | 0.05033 | 0.00000 | 319537.6 | 127711.3 | 183122.1 | S |
| 94.308 | 0.0000 | 0.0000 | 83.271 | 0.05032 | 0.00000 | 319537.6 | 127712.8 | 183122.1 | S |
| 94.317 | 0.0000 | 0.0000 | 83.271 | 0.05031 | 0.00000 | 319537.6 | 127714.3 | 183122.1 | S |
| 94.325 | 0.0000 | 0.0000 | 83.271 | 0.05031 | 0.00000 | 319537.6 | 127715.9 | 183122.1 | S |
| 94.333 | 0.0000 | 0.0000 | 83.270 | 0.05030 | 0.00000 | 319537.6 | 127717.4 | 183122.1 | S |
| 94.342 | 0.0000 | 0.0000 | 83.270 | 0.05029 | 0.00000 | 319537.6 | 127718.9 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (IVday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow <br> Discharge ( $\mathrm{H}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{ff}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 94.350 | 0.0000 | 0.0000 | 83.270 | 0.05028 | 0.00000 | 319537.6 | 127720.4 | 183122.1 | S |
| 94.358 | 0.0000 | 0.0000 | 83.270 | 0.05027 | 0.00000 | 319537.6 | 127721.9 | 183122.1 | S |
| 94.367 | 0.0000 | 0.0000 | 83.270 | 0.05027 | 0.00000 | 319537.6 | 127723.4 | 183122.1 | S |
| 94.375 | 0.0000 | 0.0000 | 83.269 | 0.05026 | 0.00000 | 319537.6 | 127724.9 | 183122.1 | S |
| 94.383 | 0.0000 | 0.0000 | 83.269 | 0.05025 | 0.00000 | 319537.6 | 127726.4 | 183122.1 | S |
| 94.392 | 0.0000 | 0.0000 | 83.269 | 0.05024 | 0.00000 | 319537.6 | 127727.9 | 183122.1 | S |
| 94.400 | 0.0000 | 0.0000 | 83.269 | 0.05023 | 0.00000 | 319537.6 | 127729.4 | 183122.1 | S |
| 94.408 | 0.0000 | 0.0000 | 83.269 | 0.05023 | 0.00000 | 319537.6 | 127730.9 | 183122.1 | S |
| 94.417 | 0.0000 | 0.0000 | 83.269 | 0.05022 | 0.00000 | 319537.6 | 127732.4 | 183122.1 | S |
| 94.425 | 0.0000 | 0.0000 | 83.268 | 0.05021 | 0.00000 | 319537.6 | $\uparrow 27733.9$ | 183122.1 | S |
| 94.433 | 0.0000 | 0.0000 | 83.268 | 0.05020 | 0.00000 | 319537.6 | 127735.5 | 183122.1 | S |
| 94.442 | 0.0000 | 0.0000 | 83.268 | 0.05019 | 0.00000 | 319537.6 | 127737.0 | 183122.1 | S |
| 94.450 | 0.0000 | 0.0000 | 83.268 | 0.05019 | 0.00000 | 319537.6 | 127738.5 | 183122.1 | S |
| 94.458 | 0.0000 | 0.0000 | 83.268 | 0.05018 | 0.00000 | 319537.6 | 127740.0 | 183122.1 | S |
| 94.467 | 0.0000 | 0.0000 | 83.267 | 0.05017 | 0.00000 | 319537.6 | 127741.5 | 183122.1 | S |
| 94.475 | 0.0000 | 0.0000 | 83.267 | 0.05016 | 0.00000 | 319537.6 | 127743.0 | 183122.1 | S |
| 94.483 | 0.0000 | 0.0000 | 83.267 | 0.05016 | 0.00000 | 319537.6 | 127744.5 | 183122.1 | S |
| 94.492 | 0.0000 | 0.0000 | 83.267 | 0.05015 | 0.00000 | 319537.6 | 127746.0 | 183122.1 | S |
| 94.500 | 0.0000 | 0.0000 | 83.267 | 0.05014 | 0.00000 | 319537.6 | 127747.5 | 183122.1 | S |
| 94.508 | 0.0000 | 0.0000 | 83.266 | 0.05013 | 0.00000 | 319537.6 | 127749.0 | 183122.1 | S |
| 94.517 | 0.0000 | 0.0000 | 83.266 | 0.05012 | 0.00000 | 319537.6 | 127750.5 | 183122.1 | S |
| 94.525 | 0.0000 | 0.0000 | 83.266 | 0.05012 | 0.00000 | 319537.6 | 127752.0 | 183122.1 | S |
| 94.533 | 0.0000 | 0.0000 | 83.266 | 0.05011 | 0.00000 | 319537.6 | 127753.5 | 183122.1 | S |
| 94.542 | 0.0000 | 0.0000 | 83.266 | 0.05010 | 0.00000 | 319537.6 | 127755.0 | 183122.1 | S |
| 94.550 | 0.0000 | 0.0000 | 83.265 | 0.05009 | 0.00000 | 319537.6 | 127756.5 | 183122.1 | S |
| 94.558 | 0.0000 | 0.0000 | 83.265 | 0.05008 | 0.00000 | 319537.6 | 127758.0 | 183122.1 | S |
| 94.567 | 0.0000 | 0.0000 | 83.265 | 0.05008 | 0.00000 | 319537.6 | 127759.5 | 183122.1 | S |
| 94.575 | 0.0000 | 0.0000 | 83.265 | 0.05007 | 0.00000 | 319537.6 | 127761.0 | 183122.1 | S |
| 94.583 | 0.0000 | 0.0000 | 83.265 | 0.05006 | 0.00000 | 319537.6 | 127762.5 | 183122.1 | S |
| 94.592 | 0.0000 | 0.0000 | 83.265 | 0.05005 | 0.00000 | 319537.6 | 127764.0 | 183122.1 | S |
| 94.600 | 0.0000 | 0.0000 | 83.264 | 0.05005 | 0.00000 | 319537.6 | 127765.5 | 183122.1 | S |
| 94.608 | 0.0000 | 0.0000 | 83.264 | 0.05004 | 0.00000 | 319537.6 | 127767.0 | 183122.1 | S |
| 94.617 | 0.0000 | 0.0000 | 83.264 | 0.05003 | 0.00000 | 319537.6 | 127768.5 | 183122.1 | S |
| 94.625 | 0.0000 | 0.0000 | 83.264 | 0.05002 | 0.00000 | 319537.6 | 127770.0 | 183122.1 | S |
| 94.633 | 0.0000 | 0.0000 | 83.264 | 0.05001 | 0.00000 | 319537.6 | 127771.5 | 183122.1 | S |
| 94.642 | 0.0000 | 0.0000 | 83.263 | 0.05001 | 0.00000 | 319537.6 | 127773.0 | 183122.1 | S |
| 94.650 | 0.0000 | 0.0000 | 83.263 | 0.05000 | 0.00000 | 319537.6 | 127774.5 | 183122.1 | S |
| 94.658 | 0.0000 | 0.0000 | 83.263 | 0.04999 | 0.00000 | 319537.6 | 127776.0 | 183122.1 | S |
| 94.667 | 0.0000 | 0.0000 | 83.263 | 0.04998 | 0.00000 | 319537.6 | 127777.5 | 183122.1 | S |
| 94.675 | 0.0000 | 0.0000 | 83.263 | 0.04997 | 0.00000 | 319537.6 | 127779.0 | 183122.1 | S |
| 94.683 | 0.0000 | 0.0000 | 83.262 | 0.04997 | 0.00000 | 319537.6 | 127780.5 | 183122.1 | S |
| 94.692 | 0.0000 | 0.0000 | 83.262 | 0.04996 | 0.00000 | 319537.6 | 127782.0 | 183122.1 | S |
| 94.700 | 0.0000 | 0.0000 | 83.262 | 0.04995 | 0.00000 | 319537.6 | 127783.5 | 183122.1 | S |
| 94.708 | 0.0000 | 0.0000 | 83.262 | 0.04994 | 0.00000 | 319537.6 | 127785.0 | 183122.1 | S |
| 94.717 | 0.0000 | 0.0000 | 83.262 | 0.04994 | 0.00000 | 319537.6 | 127786.5 | 183122.1 | S |
| 94.725 | 0.0000 | 0.0000 | 83.262 | 0.04993 | 0.00000 | 319537.6 | 127788.0 | 183122.1 | S |
| 94.733 | 0.0000 | 0.0000 | 83.261 | 0.04992 | 0.00000 | 319537.6 | 127789.5 | 183122.1 | S |
| 94.742 | 0.0000 | 0.0000 | 83.261 | 0.04991 | 0.00000 | 319537.6 | 127791.0 | 183122.1 | S |
| 94.750 | 0.0000 | 0.0000 | 83.261 | 0.04990 | 0.00000 | 319537.6 | 127792.5 | 183122.1 | S |
| 94.758 | 0.0000 | 0.0000 | 83.261 | 0.04990 | 0.00000 | 319537.6 | 127794.0 | 183122.1 | S |
| 94.767 | 0.0000 | 0.0000 | 83.261 | 0.04989 | 0.00000 | 319537.6 | 127795.5 | 183122.1 | S |
| 94.775 | 0.0000 | 0.0000 | 83.260 | 0.04988 | 0.00000 | 319537.6 | 127797.0 | 183122.1 | S |
| 94.783 | 0.0000 | 0.0000 | 83.260 | 0.04987 | 0.00000 | 319537.6 | 127798.5 | 183122.1 | S |
| 94.792 | 0.0000 | 0.0000 | 83.260 | 0.04987 | 0.00000 | 319537.6 | 127800.0 | 183122.1 | S |
| 94.800 | 0.0000 | 0.0000 | 83.260 | 0.04986 | 0.00000 | 319537.6 | 127801.5 | 183122.1 | S |
| 94.808 | 0.0000 | 0.0000 | 83.260 | 0.04985 | 0.00000 | 319537.6 | 127803.0 | 183122.1 | S |
| 94.817 | 0.0000 | 0.0000 | 83.259 | 0.04984 | 0.00000 | 319537.6 | 127804.5 | 183122.1 | S |
| 94.825 | 0.0000 | 0.0000 | 83.259 | 0.04983 | 0.00000 | 319537.6 | 127806.0 | 183122.1 | S |
| 94.833 | 0.0000 | 0.0000 | 83.259 | 0.04983 | 0.00000 | 319537.6 | 127807.5 | 183122.1 | S |
| 94.842 | 0.0000 | 0.0000 | 83.259 | 0.04982 | 0.00000 | 319537.6 | 127809.0 | 183122.1 | S |
| 94.850 | 0.0000 | 0.0000 | 83.259 | 0.04981 | 0.00000 | 319537.6 | 127810.5 | 183122.1 | S |
| 94.858 | 0.0000 | 0.0000 | 83.259 | 0.04980 | 0.00000 | 319537.6 | 127812.0 | 183122.4 | S |
| 94.867 | 0.0000 | 0.0000 | 83.258 | 0.04979 | 0.00000 | 319537.6 | 127813.5 | 183122.1 | S |
| 94.875 | 0.0000 | 0.0000 | 83.258 | 0.04979 | 0.00000 | 319537.6 | 127814.9 | 183122.1 | S |
| 94.883 | 0.0000 | 0.0000 | 83.258 | 0.04978 | 0.00000 | 319537.6 | 127816.4 | 183122.1 | S |
| 94.892 | 0.0000 | 0.0000 | 83.258 | 0.04977 | 0.00000 | 319537.6 | 127817.9 | 183122.1 | S |
| 94.900 | 0.0000 | 0.0000 | 83.258 | 0.04976 | 0.00000 | 319537.6 | 127819.4 | 183122.1 | S |
| 94.908 | 0.0000 | 0.0000 | 83.257 | 0.04976 | 0.00000 | 319537.6 | 127820.9 | 183122.1 | S |
| 94.917 | 0.0000 | 0.0000 | 83.257 | 0.04975 | 0.00000 | 319537.6 | 127822.4 | 183122.1 | S |
| 94.925 | 0.0000 | 0.0000 | 83.257 | 0.04974 | 0.00000 | 319537.6 | 127823.9 | 183122.1 | S |
| 94.933 | 0.0000 | 0.0000 | 83.257 | 0.04973 | 0.00000 | 319537.6 | 127825.4 | 183122.1 | S |
| 94.942 | 0.0000 | 0.0000 | 83.257 | 0.04972 | 0.00000 | 319537.6 | 127826.9 | 183122.1 | S |
| 94.950 | 0.0000 | 0.0000 | 83.256 | 0.04972 | 0.00000 | 319537.6 | 127828.4 | 183122.1 | S |
| 94.958 | 0.0000 | 0.0000 | 83.256 | 0.04971 | 0.00000 | 319537.6 | 127829.9 | 183122.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/overflow

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overfiow Discharge $\left(\mathrm{ft}^{3} / \mathrm{s}\right)$ | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{t}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 94.967 | 0.0000 | 0.0000 | 83.256 | 0.04970 | 0.00000 | 319537.6 | 127831.4 | 183122.1 | S |
| 94.975 | 0.0000 | 0.0000 | 83.256 | 0.04969 | 0.00000 | 319537.6 | 127832.9 | 183122.1 | S |
| 94.983 | 0.0000 | 0.0000 | 83.256 | 0.04969 | 0.00000 | 319537.6 | 127834.3 | 183122.1 | S |
| 94.992 | 0.0000 | 0.0000 | 83.256 | 0.04968 | 0.00000 | 319537.6 | 127835.8 | 183122.1 | S |
| 95.000 | 0.0000 | 0.0000 | 83.255 | 0.04967 | 0.00000 | 319537.6 | 127837.3 | 183122.1 | S |
| 95.008 | 0.0000 | 0.0000 | 83.255 | 0.04966 | 0.00000 | 319537.6 | 127838.8 | 183122.1 | S |
| 95.017 | 0.0000 | 0.0000 | 83.255 | 0.04965 | 0.00000 | 319537.6 | 127840.3 | 183122.1 | S |
| 95.025 | 0.0000 | 0.0000 | 83.255 | 0.04965 | 0.00000 | 319537.6 | 127841.8 | 183122.1 | S |
| 95.033 | 0.0000 | 0.0000 | 83.255 | 0.04964 | 0.00000 | 319537.6 | 127843.3 | 183122.1 | S |
| 95.042 | 0.0000 | 0.0000 | 83.254 | 0.04963 | 0.00000 | 319537.6 | 127844.8 | 183122.1 | S |
| 95.050 | 0.0000 | 0.0000 | 83.254 | 0.04962 | 0.00000 | 319537.6 | 127846.3 | 183122.1 | S |
| 95.058 | 0.0000 | 0.0000 | 83.254 | 0.04962 | 0.00000 | 319537.6 | 127847.8 | 183122.1 | S |
| 95.067 | 0.0000 | 0.0000 | 83.254 | 0.04961 | 0.00000 | 319537.6 | 127849.2 | 183122.1 | S |
| 95.075 | 0.0000 | 0.0000 | 83.254 | 0.04960 | 0.00000 | 319537.6 | 127850.7 | 183122.1 | S |
| 95.083 | 0.0000 | 0.0000 | 83.253 | 0.04959 | 0.00000 | 319537.6 | 127852.2 | 183122.1 | S |
| 95.092 | 0.0000 | 0.0000 | 83.253 | 0.04959 | 0.00000 | 319537.6 | 127853.7 | 183122.1 | S |
| 95.100 | 0.0000 | 0.0000 | 83.253 | 0.04958 | 0.00000 | 319537.6 | 127855.2 | 183122.1 | S |
| 95.108 | 0.0000 | 0.0000 | 83.253 | 0.04957 | 0.00000 | 319537.6 | 127856.7 | 183122.1 | S |
| 95.117 | 0.0000 | 0.0000 | 83.253 | 0.04956 | 0.00000 | 319537.6 | 127858.2 | 183122.1 | S |
| 95.125 | 0.0000 | 0.0000 | 83.253 | 0.04955 | 0.00000 | 319537.6 | 127859.6 | 183122.1 | S |
| 95.133 | 0.0000 | 0.0000 | 83.252 | 0.04955 | 0.00000 | 319537.6 | 127861.1 | 183122.1 | S |
| 95.142 | 0.0000 | 0.0000 | 83.252 | 0.04954 | 0.00000 | 319537.6 | 127862.6 | 183122.1 | S |
| 95.150 | 0.0000 | 0.0000 | 83.252 | 0.04953 | 0.00000 | 319537.6 | 127864.1 | 183122.1 | S |
| 95.158 | 0.0000 | 0.0000 | 83.252 | 0.04952 | 0.00000 | 319537.6 | 127865.6 | 183122.1 | S |
| 95.167 | 0.0000 | 0.0000 | 83.252 | 0.04952 | 0.00000 | 319537.6 | 127867.1 | 183122.1 | S |
| 95.175 | 0.0000 | 0.0000 | 83.251 | 0.04951 | 0.00000 | 319537.6 | 127868.6 | 183122.1 | S |
| 95.183 | 0.0000 | 0.0000 | 83.251 | 0.04950 | 0.00000 | 319537.6 | 127870.0 | 183122.1 | S |
| 95.192 | 0.0000 | 0.0000 | 83.251 | 0.04949 | 0.00000 | 319537.6 | 127871.5 | 183122.1 | S |
| 95.200 | 0.0000 | 0.0000 | 83.251 | 0.04948 | 0.00000 | 319537.6 | 127873.0 | 183122.1 | S |
| 95.208 | 0.0000 | 0.0000 | 83.251 | 0.04948 | 0.00000 | 319537.6 | 127874.5 | 183122.1 | S |
| 95.217 | 0.0000 | 0.0000 | 83.250 | 0.04947 | 0.00000 | 319537.6 | 127876.0 | 183122.1 | S |
| 95.225 | 0.0000 | 0.0000 | 83.250 | 0.04946 | 0.00000 | 319537.6 | 127877.5 | 183122.1 | S |
| 95.233 | 0.0000 | 0.0000 | 83.250 | 0.04945 | 0.00000 | 319537.6 | 127879.0 | 183122.1 | S |
| 95.242 | 0.0000 | 0.0000 | 83.250 | 0.04945 | 0.00000 | 319537.6 | 127880.4 | 183122.1 | S |
| 95.250 | 0.0000 | 0.0000 | 83.250 | 0.04944 | 0.00000 | 319537.6 | 127881.9 | 183122.1 | S |
| 95.258 | 0.0000 | 0.0000 | 83.250 | 0.04943 | 0.00000 | 319537.6 | 127883.4 | 183122.1 | S |
| 95.267 | 0.0000 | 0.0000 | 83.249 | 0.04942 | 0.00000 | 319537.6 | 127884.9 | 183122.1 | S |
| 95.275 | 0.0000 | 0.0000 | 83.249 | 0.04942 | 0.00000 | 319537.6 | 127886.4 | 183122.1 | S |
| 95.283 | 0.0000 | 0.0000 | 83.249 | 0.04941 | 0.00000 | 319537.6 | 127887.9 | 183122.1 | S |
| 95.292 | 0.0000 | 0.0000 | 83.249 | 0.04940 | 0.00000 | 319537.6 | 127889.3 | 183122.1 | S |
| 95.300 | 0.0000 | 0.0000 | 83.249 | 0.04939 | 0.00000 | 319537.6 | 127890.8 | 183122.1 | S |
| 95.308 | 0.0000 | 0.0000 | 83.248 | 0.04938 | 0.00000 | 319537.6 | 127892.3 | 483122.1 | S |
| 95.317 | 0.0000 | 0.0000 | 83.248 | 0.04938 | 0.00000 | 319537.6 | 127893.8 | 183122.1 | S |
| 95.325 | 0.0000 | 0.0000 | 83.248 | 0.04937 | 0.00000 | 319537.6 | 127895.3 | 183122.1 | S |
| 95.333 | 0.0000 | 0.0000 | 83.248 | 0.04936 | 0.00000 | 319537.6 | 127896.7 | 183122.1 | S |
| 95.342 | 0.0000 | 0.0000 | 83.248 | 0.04935 | 0.00000 | 319537.6 | 127898.2 | 183122.1 | S |
| 95.350 | 0.0000 | 0.0000 | 83.247 | 0.04935 | 0.00000 | 319537.6 | 127899.7 | 183122.1 | S |
| 95.358 | 0.0000 | 0.0000 | 83.247 | 0.04934 | 0.00000 | 319537.6 | 127901.2 | 183122.1 | S |
| 95.367 | 0.0000 | 0.0000 | 83.247 | 0.04933 | 0.00000 | 319537.6 | 127902.7 | 183122.1 | S |
| 95.375 | 0.0000 | 0.0000 | 83.247 | 0.04932 | 0.00000 | 319537.6 | 127904.1 | 183122.1 | S |
| 95.383 | 0.0000 | 0.0000 | 83.247 | 0.04932 | 0.00000 | 319537.6 | 127905.6 | 183122.1 | S |
| 95.392 | 0.0000 | 0.0000 | 83.247 | 0.04931 | 0.00000 | 319537.6 | 127907.1 | 183122.1 | S |
| 95.400 | 0.0000 | 0.0000 | 83.246 | 0.04930 | 0.00000 | 319537.6 | 127908.6 | 183122.1 | S |
| 95.408 | 0.0000 | 0.0000 | 83.246 | 0.04929 | 0.00000 | 319537.6 | 127910.1 | 183122.1 | S |
| 95.417 | 0.0000 | 0.0000 | 83.246 | 0.04928 | 0.00000 | 319537.6 | 127911.5 | 183122.1 | S |
| 95.425 | 0.0000 | 0.0000 | 83.246 | 0.04928 | 0.00000 | 319537.6 | 127913.0 | 183122.1 | S |
| 95.433 | 0.0000 | 0.0000 | 83.246 | 0.04927 | 0.00000 | 319537.6 | 127914.5 | 183122.1 | S |
| 95.442 | 0.0000 | 0.0000 | 83.245 | 0.04926 | 0.00000 | 319537.6 | 127916.0 | 183122.1 | S |
| 95.450 | 0.0000 | 0.0000 | 83.245 | 0.04925 | 0.00000 | 319537.6 | 127917.5 | 183122.1 | S |
| 95.458 | 0.0000 | 0.0000 | 83.245 | 0.04925 | 0.00000 | 319537.6 | 127918.9 | 183122.1 | S |
| 95.467 | 0.0000 | 0.0000 | 83.245 | 0.04924 | 0.00000 | 319537.6 | 127920.4 | 183122.1 | S |
| 95.475 | 0.0000 | 0.0000 | 83.245 | 0.04923 | 0.00000 | 319537.6 | 127921.9 | 183122.1 | S |
| 95.483 | 0.0000 | 0.0000 | 83.244 | 0.04922 | 0.00000 | 319537.6 | 127923.4 | 183122.1 | S |
| 95.492 | 0.0000 | 0.0000 | 83.244 | 0.04922 | 0.00000 | 319537.6 | 127924.8 | 183122.1 | S |
| 95.500 | 0.0000 | 0.0000 | 83.244 | 0.04921 | 0.00000 | 319537.6 | 127926.3 | 183122.1 | S |
| 95.508 | 0.0000 | 0.0000 | 83.244 | 0.04920 | 0.00000 | 319537.6 | 127927.8 | 183122.1 | S |
| 95.517 | 0.0000 | 0.0000 | 83.244 | 0.04919 | 0.00000 | 319537.6 | 127929.3 | 183122.1 | S |
| 95.525 | 0.0000 | 0.0000 | 83.244 | 0.04918 | 0.00000 | 319537.6 | 127930.7 | 183122.1 | S |
| 95.533 | 0.0000 | 0.0000 | 83.243 | 0.04918 | 0.00000 | 319537.6 | 127932.2 | 183122.1 | S |
| 95.542 | 0.0000 | 0.0000 | 83.243 | 0.04917 | 0.00000 | 319537.6 | 127933.7 | 183122.1 | S |
| 95.550 | 0.0000 | 0.0000 | 83.243 | 0.04916 | 0.00000 | 319537.6 | 127935.2 | 183122.1 | S |
| 95.558 | 0.0000 | 0.0000 | 83.243 | 0.04915 | 0.00000 | 319537.6 | 127936.6 | 183122.1 | S |
| 95.567 | 0.0000 | 0.0000 | 83.243 | 0.04915 | 0.00000 | 319537.6 | 127938.1 | 183122.1 | S |
| 95.575 | 0.0000 | 0.0000 | 83.242 | 0.04914 | 0.00000 | 319537.6 | 127939.6 | 183122.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (fiday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 95.583 | 0.0000 | 0.0000 | 83.242 | 0.04913 | 0.00000 | 319537.6 | 127941.1 | 183122.1 | S |
| 95.592 | 0.0000 | 0.0000 | 83.242 | 0.04912 | 0.00000 | 319537.6 | 127942.5 | 183122.1 | S |
| 95.600 | 0.0000 | 0.0000 | 83.242 | 0.04912 | 0.00000 | 319537.6 | 127944.0 | 183122.1 | S |
| 95.608 | 0.0000 | 0.0000 | 83.242 | 0.04911 | 0.00000 | 319537.6 | 127945.5 | 183122.1 | S |
| 95.617 | 0.0000 | 0.0000 | 83.242 | 0.04910 | 0.00000 | 319537.6 | 127947.0 | 183122.1 | S |
| 95.625 | 0.0000 | 0.0000 | 83.241 | 0.04909 | 0.00000 | 319537.6 | 127948.4 | 783122.1 | S |
| 95.633 | 0.0000 | 0.0000 | 83.241 | 0.04909 | 0.00000 | 319537.6 | 127949.9 | 183122.1 | S |
| 95.642 | 0.0000 | 0.0000 | 83.241 | 0.04908 | 0.00000 | 319537.6 | 127951.4 | 183122.1 | S |
| 95.650 | 0.0000 | 0.0000 | 83.241 | 0.04907 | 0.00000 | 319537.6 | 127952.9 | 183122.1 | S |
| 95.658 | 0.0000 | 0.0000 | 83.241 | 0.04906 | 0.00000 | 319537.6 | 127954.3 | 183122.1 | S |
| 95.667 | 0.0000 | 0.0000 | 83.240 | 0.04905 | 0.00000 | 319537.6 | 127955.8 | 183122,1 | S |
| 95.675 | 0.0000 | 0.0000 | 83.240 | 0.04905 | 0.00000 | 319537.6 | 127957.3 | 183122.1 | S |
| 95.683 | 0.0000 | 0.0000 | 83.240 | 0.04904 | 0.00000 | 319537.6 | 127958.7 | 183122.1 | S |
| 95.692 | 0.0000 | 0.0000 | 83.240 | 0.04903 | 0.00000 | 319537.6 | 127960.2 | 183122.1 | S |
| 95.700 | 0.0000 | 0.0000 | 83.240 | 0.04902 | 0.00000 | 319537.6 | 127961.7 | 183122.1 | S |
| 95.708 | 0.0000 | 0.0000 | 83.239 | 0.04902 | 0.00000 | 319537.6 | 127963.1 | 183122.1 | S |
| 95.717 | 0.0000 | 0.0000 | 83.239 | 0.04901 | 0.00000 | 319537.6 | 127964.6 | 183122.1 | S |
| 95.725 | 0.0000 | 0.0000 | 83.239 | 0.04900 | 0.00000 | 319537.6 | 127966.1 | 183122.1 | S |
| 95.733 | 0.0000 | 0.0000 | 83.239 | 0.04899 | 0.00000 | 319537.6 | 127967.6 | 183122.1 | S |
| 95.742 | 0.0000 | 0.0000 | 83.239 | 0.04899 | 0.00000 | 319537.6 | 127969.0 | 183122.1 | S |
| 95.750 | 0.0000 | 0.0000 | 83.239 | 0.04898 | 0.00000 | 319537.6 | 127970.5 | 183122.1 | S |
| 95.758 | 0.0000 | 0.0000 | 83.238 | 0.04897 | 0.00000 | 319537.6 | 127972.0 | 183122.1 | S |
| 95.767 | 0.0000 | 0.0000 | 83.238 | 0.04896 | 0.00000 | 319537.6 | 127973.4 | 183122.1 | S |
| 95.775 | 0.0000 | 0.0000 | 83.238 | 0.04896 | 0.00000 | 319537.6 | 127974.9 | 183122.1 | S |
| 95.783 | 0.0000 | 0.0000 | 83.238 | 0.04895 | 0.00000 | 319537.6 | 127976.4 | 183122.1 | S |
| 95.792 | 0.0000 | 0.0000 | 83.238 | 0.04894 | 0.00000 | 319537.6 | 127977.8 | 183122.1 | S |
| 95.800 | 0.0000 | 0.0000 | 83.237 | 0.04893 | 0.00000 | 319537.6 | 127979.3 | 183122.1 | S |
| 95.808 | 0.0000 | 0.0000 | 83.237 | 0.04893 | 0.00000 | 319537.6 | 127980.8 | 183122.1 | S |
| 95.817 | 0.0000 | 0.0000 | 83.237 | 0.04892 | 0.00000 | 319537.6 | 127982.2 | 183122.1 | S |
| 95.825 | 0.0000 | 0.0000 | 83.237 | 0.04891 | 0.00000 | 319537.6 | 127983.7 | 183122.1 | S |
| 95.833 | 0.0000 | 0.0000 | 83.237 | 0.04890 | 0.00000 | 319537.6 | 127985.2 | 183122.1 | S |
| 95.842 | 0.0000 | 0.0000 | 83.236 | 0.04890 | 0.00000 | 319537.6 | 127986.6 | 183122.1 | S |
| 95.850 | 0.0000 | 0.0000 | 83.236 | 0.04889 | 0.00000 | 319537.6 | 127988.1 | 183122.1 | S |
| 95.858 | 0.0000 | 0.0000 | 83.236 | 0.04888 | 0.00000 | 319537.6 | 127989.6 | 183122.1 | S |
| 95.867 | 0.0000 | 0.0000 | 83.236 | 0.04887 | 0.00000 | 319537.6 | 127991.0 | 183122.1 | S |
| 95.875 | 0.0000 | 0.0000 | 83.236 | 0.04886 | 0.00000 | 319537.6 | 127992.5 | 183122.1 | S |
| 95.883 | 0.0000 | 0.0000 | 83.236 | 0.04886 | 0.00000 | 319537.6 | 127994.0 | 183122.1 | S |
| 95.892 | 0.0000 | 0.0000 | 83.235 | 0.04885 | 0.00000 | 319537.6 | 127995.4 | 183122.1 | S |
| 95.900 | 0.0000 | 0.0000 | 83.235 | 0.04884 | 0.00000 | 319537.6 | 127996.9 | 183122.1 | S |
| 95.908 | 0.0000 | 0.0000 | 83.235 | 0.04883 | 0.00000 | 319537.6 | 127998.4 | 183122.1 | S |
| 95.917 | 0.0000 | 0.0000 | 83.235 | 0.04883 | 0.00000 | 319537.6 | 127999.8 | 183122.1 | S |
| 95.925 | 0.0000 | 0.0000 | 83.235 | 0.04882 | 0.00000 | 319537.6 | 128001.3 | 183122.1 | S |
| 95.933 | 0.0000 | 0.0000 | 83.234 | 0.04881 | 0.00000 | 319537.6 | 128002.8 | 183122.1 | S |
| 95.942 | 0.0000 | 0.0000 | 83.234 | 0.04880 | 0.00000 | 319537.6 | 128004.2 | 183122.1 | S |
| 95.950 | 0.0000 | 0.0000 | 83.234 | 0.04880 | 0.00000 | 319537.6 | 128005.7 | 183122.1 | S |
| 95.958 | 0.0000 | 0.0000 | 83.234 | 0.04879 | 0.00000 | 319537.6 | 128007.2 | 183122.1 | S |
| 95.967 | 0.0000 | 0.0000 | 83.234 | 0.04878 | 0.00000 | 319537.6 | 128008.6 | 183122.1 | S |
| 95.975 | 0.0000 | 0.0000 | 83.234 | 0.04877 | 0.00000 | 319537.6 | 128010.1 | 183122.1 | S |
| 95.983 | 0.0000 | 0.0000 | 83.233 | 0.04877 | 0.00000 | 319537.6 | 128011.5 | 183122.1 | S |
| 95.992 | 0.0000 | 0.0000 | 83.233 | 0.04876 | 0.00000 | 319537.6 | 128013.0 | 183122.1 | S |
| 96.000 | 0.0000 | 0.0000 | 83.233 | 0.04875 | 0.00000 | 319537.6 | 128014.5 | 183122.1 | S |
| 96.008 | 0.0000 | 0.0000 | 83.233 | 0.04874 | 0.00000 | 319537.6 | 128015.9 | 183122.1 | S |
| 96.017 | 0.0000 | 0.0000 | 83.233 | 0.04874 | 0.00000 | 319537.6 | 128017.4 | 183122.1 | S |
| 96.025 | 0.0000 | 0.0000 | 83.232 | 0.04873 | 0.00000 | 319537.6 | 128018.9 | 183122.1 | S |
| 96.033 | 0.0000 | 0.0000 | 83.232 | 0.04872 | 0.00000 | 319537.6 | 128020.3 | 183122.1 | S |
| 96.042 | 0.0000 | 0.0000 | 83.232 | 0.04871 | 0.00000 | 319537.6 | 128021.8 | 183122.1 | S |
| 96.050 | 0.0000 | 0.0000 | 83.232 | 0.04871 | 0.00000 | 319537.6 | 128023.3 | 183122.1 | S |
| 96.058 | 0.0000 | 0.0000 | 83.232 | 0.04870 | 0.00000 | 319537.6 | 128024.7 | 183122.1 | S |
| 96.067 | 0.0000 | 0.0000 | 83.231 | 0.04869 | 0.00000 | 319537.6 | 128026.2 | 183122.1 | S |
| 96.075 | 0.0000 | 0.0000 | 83.231 | 0.04868 | 0.00000 | 319537.6 | 128027.6 | 183122.1 | S |
| 96.083 | 0.0000 | 0.0000 | 83.231 | 0.04868 | 0.00000 | 319537.6 | 128029.1 | 183122.1 | S |
| 96.092 | 0.0000 | 0.0000 | 83.231 | 0.04867 | 0.00000 | 319537.6 | 128030.5 | 183122.1 | S |
| 96.100 | 0.0000 | 0.0000 | 83.231 | 0.04866 | 0.00000 | 319537.6 | 128032.0 | 183122.1 | S |
| 96.108 | 0.0000 | 0.0000 | 83.231 | 0.04865 | 0.00000 | 319537.6 | 128033.5 | 183122.1 | S |
| 96.117 | 0.0000 | 0.0000 | 83.230 | 0.04865 | 0.00000 | 319537.6 | 128034.9 | 183122.4 | S |
| 96.125 | 0.0000 | 0.0000 | 83.230 | 0.04864 | 0.00000 | 319537.6 | 128036.4 | 183122.1 | S |
| 96.133 | 0.0000 | 0.0000 | 83.230 | 0.04863 | 0.00000 | 319537.6 | 128037.9 | 183122.1 | S |
| 96.142 | 0.0000 | 0.0000 | 83.230 | 0.04862 | 0.00000 | 319537.6 | 128039.3 | 183122.1 | S |
| 96.150 | 0.0000 | 0.0000 | 83.230 | 0.04862 | 0.00000 | 319537.6 | 128040.8 | 183122.1 | S |
| 96.158 | 0.0000 | 0.0000 | 83.229 | 0.04861 | 0.00000 | 319537.6 | 128042.2 | 183122.1 | S |
| 96.167 | 0.0000 | 0.0000 | 83.229 | 0.04860 | 0.00000 | 319537.6 | 128043.7 | 183122.1 | S |
| 96.175 | 0.0000 | 0.0000 | 83.229 | 0.04859 | 0.00000 | 319537.6 | 128045.1 | 183122.1 | S |
| 96.183 | 0.0000 | 0.0000 | 83.229 | 0.04859 | 0.00000 | 319537.6 | 128046.6 | 183122.1 | S |
| 96.192 | 0.0000 | 0.0000 | 83.229 | 0.04858 | 0.00000 | 319537.6 | 128048.1 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | inflow Rate ( $\mathrm{H}^{3 / 5}$ ) | Outside Recharge (ftday) | Stage Elevation (fl datum) | infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f} \mathrm{t}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative <br> Discharge <br> Volume ( $\mathrm{ft}^{3}$ ) | Fiow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 96.200 | 0.0000 | 0.0000 | 83.229 | 0.04857 | 0.00000 | 319537.6 | 128049.5 | 183122.1 | S |
| 96.208 | 0.0000 | 0.0000 | 83.228 | 0.04856 | 0.00000 | 319537.6 | 128051.0 | 183122.1 | S |
| 96.217 | 0.0000 | 0.0000 | 83.228 | 0.04856 | 0.00000 | 319537.6 | 128052.4 | \$83122.1 | S |
| 96.225 | 0.0000 | 0.0000 | 83.228 | 0.04855 | 0.00000 | 319537.6 | 128053.9 | 183122.1 | S |
| 96.233 | 0.0000 | 0.0000 | 83.228 | 0.04854 | 0.00000 | 319537.6 | 128055.3 | 183122.1 | S |
| 96.242 | 0.0000 | 0.0000 | 83.228 | 0.04853 | 0.00000 | 319537.6 | 128056.8 | 183122.1 | S |
| 96.250 | 0.0000 | 0.0000 | 83.227 | 0.04853 | 0.00000 | 319537.6 | 128058.3 | 183122.1 | S |
| 96.258 | 0.0000 | 0.0000 | 83.227 | 0.04852 | 0.00000 | 319537.6 | 128059.7 | 183122.1 | S |
| 96.267 | 0.0000 | 0.0000 | 83.227 | 0.04851 | 0.00000 | 319537.6 | 128061.2 | 183122.1 | S |
| 96.275 | 0.0000 | 0.0000 | 83.227 | 0.04850 | 0.00000 | 319537.6 | 128062.6 | 183122.1 | S |
| 96.283 | 0.0000 | 0.0000 | 83.227 | 0.04850 | 0.00000 | 319537.6 | 128064.1 | 183122.1 | S |
| 96.292 | 0.0000 | 0.0000 | 83.227 | 0.04849 | 0.00000 | 319537.6 | 128065.5 | 183122.1 | S |
| 96.300 | 0.0000 | 0.0000 | 83.226 | 0.04848 | 0.00000 | 319537.6 | 128067.0 | 183122.1 | S |
| 96.308 | 0.0000 | 0.0000 | 83.226 | 0.04847 | 0.00000 | 319537.6 | 128068.4 | 183122.1 | S |
| 96.317 | 0.0000 | 0.0000 | 83.226 | 0.04847 | 0.00000 | 319537.6 | 128069.9 | 183122.1 | S |
| 96.325 | 0.0000 | 0.0000 | 83.226 | 0.04846 | 0.00000 | 319537.6 | 128071.3 | 183122.1 | S |
| 96.333 | 0.0000 | 0.0000 | 83.226 | 0.04845 | 0.00000 | 319537.6 | 128072.8 | 183122.1 | S |
| 96.342 | 0.0000 | 0.0000 | 83.225 | 0.04844 | 0.00000 | 319537.6 | 128074.3 | 183122.1 | S |
| 96.350 | 0.0000 | 0.0000 | 83.225 | 0.04844 | 0.00000 | 319537.6 | 128075.7 | 183122.1 | S |
| 96.358 | 0.0000 | 0.0000 | 83.225 | 0.04843 | 0.00000 | 319537.6 | 128077.2 | 183122.1 | S |
| 96.367 | 0.0000 | 0.0000 | 83.225 | 0.04842 | 0.00000 | 319537.6 | 128078.6 | 183122.1 | S |
| 96.375 | 0.0000 | 0.0000 | 83.225 | 0.04841 | 0.00000 | 319537.6 | 128080.1 | 183122.1 | S |
| 96.383 | 0.0000 | 0.0000 | 83.224 | 0.04841 | 0.00000 | 319537.6 | 128081.5 | 183122.1 | S |
| 96.392 | 0.0000 | 0.0000 | 83.224 | 0.04840 | 0.00000 | 319537.6 | 128083.0 | 183122.1 | S |
| 96.400 | 0.0000 | 0.0000 | 83.224 | 0.04839 | 0.00000 | 319537.6 | 128084.4 | 183122.1 | S |
| 96.408 | 0.0000 | 0.0000 | 83.224 | 0.04838 | 0.00000 | 319537.6 | 128085.9 | 183\}22.1 | S |
| 96.417 | 0.0000 | 0.0000 | 83.224 | 0.04838 | 0.00000 | 319537.6 | 128087.3 | 183122.1 | S |
| 96.425 | 0.0000 | 0.0000 | 83.224 | 0.04837 | 0.00000 | 319537.6 | 128088.8 | 183122.1 | S |
| 96.433 | 0.0000 | 0.0000 | 83.223 | 0.04836 | 0.00000 | 319537.6 | 128090.2 | 183122.1 | S |
| 96.442 | 0.0000 | 0.0000 | 83.223 | 0.04835 | 0.00000 | 319537.6 | 128091.7 | 183122.1 | S |
| 96.450 | 0.0000 | 0.0000 | 83.223 | 0.04835 | 0.00000 | 319537.6 | 128093.1 | 183122.1 | S |
| 96.458 | 0.0000 | 0.0000 | 83.223 | 0.04834 | 0.00000 | 319537.6 | 128094.6 | 183122.1 | S |
| 96.467 | 0.0000 | 0.0000 | 83.223 | 0.04833 | 0.00000 | 319537.6 | 128096.0 | 183122.1 | S |
| 96.475 | 0.0000 | 0.0000 | 83.222 | 0.04832 | 0.00000 | 319537.6 | 128097.5 | 183122.1 | S |
| 96.483 | 0.0000 | 0.0000 | 83.222 | 0.04832 | 0.00000 | 319537.6 | 128098.9 | 183122.1 | S |
| 96.492 | 0.0000 | 0.0000 | 83.222 | 0.04837 | 0.00000 | 319537.6 | 128100.4 | 183122.1 | S |
| 96.500 | 0.0000 | 0.0000 | 83.222 | 0.04830 | 0.00000 | 319537.6 | 128101.8 | 183122.1 | S |
| 96.508 | 0.0000 | 0.0000 | 83.222 | 0.04829 | 0.00000 | 319537.6 | 128103.3 | 183122.1 | S |
| 96.517 | 0.0000 | 0.0000 | 83.222 | 0.04829 | 0.00000 | 319537.6 | 128104.7 | 183122.1 | S |
| 96.525 | 0.0000 | 0.0000 | 83.221 | 0.04828 | 0.00000 | 319537.6 | 128106.2 | 183122.1 | S |
| 96.533 | 0.0000 | 0.0000 | 83.221 | 0.04827 | 0.00000 | 319537.6 | 128107.6 | 183122.1 | S |
| 96.542 | 0.0000 | 0.0000 | 83.221 | 0.04826 | 0.00000 | 319537.6 | 128109.1 | 183122.1 | S |
| 96.550 | 0.0000 | 0.0000 | 83.221 | 0.04826 | 0.00000 | 319537.6 | 128110.5 | 183122.1 | S |
| 96.558 | 0.0000 | 0.0000 | 83.221 | 0.04825 | 0.00000 | 319537.6 | 128112.0 | 183122.1 | S |
| 96.567 | 0.0000 | 0.0000 | 83.220 | 0.04824 | 0.00000 | 319537.6 | 128113.4 | 183122.1 | S |
| 96.575 | 0.0000 | 0.0000 | 83.220 | 0.04823 | 0.00000 | 319537.6 | 128114.9 | 183122.1 | S |
| 96.583 | 0.0000 | 0.0000 | 83.220 | 0.04823 | 0.00000 | 319537.6 | 128116.3 | 183122.1 | S |
| 96.592 | 0.0000 | 0.0000 | 83.220 | 0.04822 | 0.00000 | 319537.6 | 128117.8 | 183122.1 | S |
| 96.600 | 0.0000 | 0.0000 | 83.220 | 0.04821 | 0.00000 | 319537.6 | 128119.2 | 183122.1 | S |
| 96.608 | 0.0000 | 0.0000 | 83.220 | 0.04820 | 0.00000 | 319537.6 | 128120.6 | 183122.1 | S |
| 96.617 | 0.0000 | 0.0000 | 83.219 | 0.04820 | 0.00000 | 319537.6 | 128122.1 | 183122.1 | S |
| 96.625 | 0.0000 | 0.0000 | 83.219 | 0.04819 | 0.00000 | 319537.6 | 128123.5 | 183122.1 | S |
| 96.633 | 0.0000 | 0.0000 | 83.219 | 0.04818 | 0.00000 | 319537.6 | 128125.0 | 183122.1 | S |
| 96.642 | 0.0000 | 0.0000 | 83.219 | 0.04818 | 0.00000 | 319537.6 | 128126.4 | 183122.1 | S |
| 96.650 | 0.0000 | 0.0000 | 83.219 | 0.04817 | 0.00000 | 319537.6 | 128127.9 | 183122.1 | S |
| 96.658 | 0.0000 | 0.0000 | 83.218 | 0.04816 | 0.00000 | 319537.6 | 128129.3 | 183122.1 | S |
| 96.667 | 0.0000 | 0.0000 | 83.218 | 0.04815 | 0.00000 | 319537.6 | 128130.8 | 183122.1 | S |
| 96.675 | 0.0000 | 0.0000 | 83.218 | 0.04815 | 0.00000 | 319537.6 | 128132.2 | 183122.1 | S |
| 96.683 | 0.0000 | 0.0000 | 83.218 | 0.04814 | 0.00000 | 319537.6 | 128133.6 | 183122.1 | S |
| 96.692 | 0.0000 | 0.0000 | 83.218 | 0.04813 | 0.00000 | 319537.6 | 128135.1 | 183122.1 | S |
| 96.700 | 0.0000 | 0.0000 | 83.217 | 0.04812 | 0.00000 | 319537.6 | 128136.5 | 183122.1 | S |
| 96.708 | 0.0000 | 0.0000 | $83.2 \pm 7$ | 0.04812 | 0.00000 | 319537.6 | 128138.0 | 483122.1 | S |
| 96.717 | 0.0000 | 0.0000 | 83.217 | 0.04811 | 0.00000 | 319537.6 | 128139.4 | 183122.1 | S |
| 96.725 | 0.0000 | 0.0000 | 83.217 | 0.04810 | 0.00000 | 319537.6 | 128140.9 | 183122.1 | S |
| 96.733 | 0.0000 | 0.0000 | 83.217 | 0.04809 | 0.00000 | 319537.6 | 128142.3 | 183122.1 | S |
| 96.742 | 0.0000 | 0.0000 | 83.217 | 0.04809 | 0.00000 | 319537.6 | 128143.8 | 183122.1 | S |
| 96.750 | 0.0000 | 0.0000 | 83.216 | 0.04808 | 0.00000 | 319537.6 | 128145.2 | 183122.1 | S |
| 96.758 | 0.0000 | 0.0000 | 83.216 | 0.04807 | 0.00000 | 319537.6 | 128146.6 | 183122.1 | S |
| 96.767 | 0.0000 | 0.0000 | 83.216 | 0.04806 | 0.00000 | 319537.6 | 128148.1 | 183122.1 | S |
| 96.775 | 0.0000 | 0.0000 | 83.216 | 0.04806 | 0.00000 | 319537.6 | 128149.5 | 183122.1 | S |
| 96.783 | 0.0000 | 0.0000 | 83.216 | 0.04805 | 0.00000 | 319537.6 | 128151.0 | 183122.1 | S |
| 96.792 | 0.0000 | 0.0000 | 83.215 | 0.04804 | 0.00000 | 319537.6 | 128152.4 | 183122.1 | S |
| 96.800 | 0.0000 | 0.0000 | 83.215 | 0.04803 | 0.00000 | 319537.6 | 128153.8 | 183122.1 | S |
| 96.808 | 0.0000 | 0.0000 | 83.215 | 0.04803 | 0.00000 | 319537.6 | 128155.3 | 183122.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / 3}$ ) | Overfiow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative <br> Discharge <br> Volume ( $\mathrm{f}^{3}$ ) | $\begin{aligned} & \text { Flow } \\ & \text { Type } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 96.817 | 0.0000 | 0.0000 | 83.215 | 0.04802 | 0.00000 | 349537.6 | 128156.7 | 183122.1 | S |
| 96.825 | 0.0000 | 0.0000 | 83.215 | 0.04801 | 0.00000 | 319537.6 | 128158.2 | 183122.1 | S |
| 96.833 | 0.0000 | 0.0000 | 83.215 | 0.04800 | 0.00000 | 319537.6 | 128159.6 | 183122.1 | S |
| 96.842 | 0.0000 | 0.0000 | 83.214 | 0.04800 | 0.00000 | 319537.6 | 128161.0 | 183122.1 | S |
| 96.850 | 0.0000 | 0.0000 | 83.214 | 0.04799 | 0.00000 | 319537.6 | 128162.5 | 183122.1 | S |
| 96.858 | 0.0000 | 0.0000 | 83.214 | 0.04798 | 0.00000 | 319537.6 | 128163.9 | 183122.1 | S |
| 96.867 | 0.0000 | 0.0000 | 83.214 | 0.04798 | 0.00000 | 319537.6 | 128165.4 | 183122.1 | S |
| 96.875 | 0.0000 | 0.0000 | 83.214 | 0.04797 | 0.00000 | 319537.6 | 128166.8 | 183122.1 | S |
| 96.883 | 0.0000 | 0.0000 | 83.213 | 0.04796 | 0.00000 | 319537.6 | 128168.2 | 183122.1 | S |
| 96.892 | 0.0000 | 0.0000 | 83.213 | 0.04795 | 0.00000 | 319537.6 | 128169.7 | 183122.1 | S |
| 96.900 | 0.0000 | 0.0000 | 83.213 | 0.04795 | 0.00000 | 319537.6 | 128171.1 | 183122.1 | S |
| 96.908 | 0.0000 | 0.0000 | 83.213 | 0.04794 | 0.00000 | 319537.6 | 128172.6 | 183122.1 | S |
| 96.917 | 0.0000 | 0.0000 | 83.213 | 0.04793 | 0.00000 | 319537.6 | 128174.0 | 183122.1 | S |
| 96.925 | 0.0000 | 0.0000 | 83.213 | 0.04792 | 0.00000 | 319537.6 | 128175.4 | 183122.1 | S |
| 96.933 | 0.0000 | 0.0000 | 83.212 | 0.04792 | 0.00000 | 319537.6 | 128176.9 | 183122.1 | S |
| 96.942 | 0.0000 | 0.0000 | 83.212 | 0.04791 | 0.00000 | 319537.6 | 128178.3 | 183122.1 | S |
| 96.950 | 0.0000 | 0.0000 | 83.212 | 0.04790 | 0.00000 | 319537.6 | 128179.8 | 183122.1 | S |
| 96.958 | 0.0000 | 0.0000 | 83.212 | 0.04789 | 0.00000 | 319537.6 | 128181.2 | 183122.1 | S |
| 96.967 | 0.0000 | 0.0000 | 83.212 | 0.04789 | 0.00000 | 319537.6 | 128182.6 | 183122.1 | S |
| 96.975 | 0.0000 | 0.0000 | 83.211 | 0.04788 | 0.00000 | 319537.6 | 128184.1 | 183122.1 | S |
| 96.983 | 0.0000 | 0.0000 | 83.211 | 0.04787 | 0.00000 | 319537.6 | 128185.5 | 183122.1 | S |
| 96.992 | 0.0000 | 0.0000 | 83.211 | 0.04786 | 0.00000 | 319537.6 | 128186.9 | 183122.1 | S |
| 97.000 | 0.0000 | 0.0000 | 83.211 | 0.04786 | 0.00000 | 319537.6 | 128188.4 | 183122.1 | S |
| 97.008 | 0.0000 | 0.0000 | 83.211 | 0.04785 | 0.00000 | 319537.6 | 128189.8 | 183122.1 | S |
| 97.017 | 0.0000 | 0.0000 | 83.211 | 0.04784 | 0.00000 | 319537.6 | 128191.2 | 183122.1 | S |
| 97.025 | 0.0000 | 0.0000 | 83.210 | 0.04784 | 0.00000 | 319537.6 | 128192.7 | 183122.1 | S |
| 97.033 | 0.0000 | 0.0000 | 83.210 | 0.04783 | 0.00000 | 319537.6 | 128194.1 | 183122.1 | S |
| 97.042 | 0.0000 | 0.0000 | 83.210 | 0.04782 | 0.00000 | 319537.6 | 128195.5 | 183122.1 | S |
| 97.050 | 0.0000 | 0.0000 | 83.210 | 0.04781 | 0.00000 | 319537.6 | 128197.0 | 183122.1 | S |
| 97.058 | 0.0000 | 0.0000 | 83.210 | 0.04781 | 0.00000 | 319537.6 | 128198.4 | 183122.1 | S |
| 97.067 | 0.0000 | 0.0000 | 83.209 | 0.04780 | 0.00000 | 319537.6 | 128199.8 | 183122.1 | S |
| 97.075 | 0.0000 | 0.0000 | 83.209 | 0.04779 | 0.00000 | 319537.6 | 128201.3 | 183122.1 | S |
| 97.083 | 0.0000 | 0.0000 | 83.209 | 0.04778 | 0.00000 | 319537.6 | 128202.7 | 183122.1 | S |
| 97.092 | 0.0000 | 0.0000 | 83.209 | 0.04778 | 0.00000 | 319537.6 | 128204.1 | 183122.1 | S |
| 97.100 | 0.0000 | 0.0000 | 83.209 | 0.04777 | 0.00000 | 319537.6 | 128205.6 | 183122.1 | S |
| 97.108 | 0.0000 | 0.0000 | 83.209 | 0.04776 | 0.00000 | 319537.6 | 128207.0 | 183122.1 | S |
| 97.117 | 0.0000 | 0.0000 | 83.208 | 0.04775 | 0.00000 | 319537.6 | 128208.4 | 183122.1 | S |
| 97.125 | 0.0000 | 0.0000 | 83.208 | 0.04775 | 0.00000 | 319537.6 | 128209.9 | 183122.1 | S |
| 97.133 | 0.0000 | 0.0000 | 83.208 | 0.04774 | 0.00000 | 319537.6 | 128211.3 | 183122.1 | S |
| 97.142 | 0.0000 | 0.0000 | 83.208 | 0.04773 | 0.00000 | 319537.6 | 128212.7 | 183122.1 | S |
| 97.150 | 0.0000 | 0.0000 | 83.208 | 0.04773 | 0.00000 | 319537.6 | 128214.2 | 183122.1 | S |
| 97.158 | 0.0000 | 0.0000 | 83.207 | 0.04772 | 0.00000 | 319537.6 | 128215.6 | 183122.1 | S |
| 97.167 | 0.0000 | 0.0000 | 83.207 | 0.04771 | 0.00000 | 319537.6 | 128217.0 | 183122.1 | S |
| 97.175 | 0.0000 | 0.0000 | 83.207 | 0.04770 | 0.00000 | 319537.6 | 128218.5 | 183122.1 | S |
| 97.183 | 0.0000 | 0.0000 | 83.207 | 0.04770 | 0.00000 | 319537.6 | 128219.9 | 183122.1 | S |
| 97.192 | 0.0000 | 0.0000 | 83.207 | 0.04769 | 0.00000 | 319537.6 | 128221.3 | 183122.1 | S |
| 97.200 | 0.0000 | 0.0000 | 83.207 | 0.04768 | 0.00000 | 319537.6 | 128222.8 | 183122.1 | S |
| 97.208 | 0.0000 | 0.0000 | 83.206 | 0.04767 | 0.00000 | 319537.6 | 128224.2 | 183122.1 | S |
| 97.217 | 0.0000 | 0.0000 | 83.206 | 0.04767 | 0.00000 | 319537.6 | 128225.6 | 183122.1 | S |
| 97.225 | 0.0000 | 0.0000 | 83.206 | 0.04766 | 0.00000 | 319537.6 | 128227.0 | 183122.1 | S |
| 97.233 | 0.0000 | 0.0000 | 83.206 | 0.04765 | 0.00000 | 319537.6 | 128228.5 | 183122.1 | S |
| 97.242 | 0.0000 | 0.0000 | 83.206 | 0.04765 | 0.00000 | 319537.6 | 128229.9 | 183122.1 | S |
| 97.250 | 0.0000 | 0.0000 | 83.205 | 0.04764 | 0.00000 | 319537.6 | 128231.3 | 183122.1 | S |
| 97.258 | 0.0000 | 0.0000 | 83.205 | 0.04763 | 0.00000 | 319537.6 | 128232.8 | 183122.1 | S |
| 97.267 | 0.0000 | 0.0000 | 83.205 | 0.04762 | 0.00000 | 319537.6 | 128234.2 | 183122.1 | S |
| 97.275 | 0.0000 | 0.0000 | 83.205 | 0.04762 | 0.00000 | 319537.6 | 128235.6 | 183122.1 | S |
| 97.283 | 0.0000 | 0.0000 | 83.205 | 0.04761 | 0.00000 | 319537.6 | 128237.1 | 183122.1 | S |
| 97.292 | 0.0000 | 0.0000 | 83.205 | 0.04760 | 0.00000 | 319537.6 | 128238.5 | 183122.1 | S |
| 97.300 | 0.0000 | 0.0000 | 83.204 | 0.04759 | 0.00000 | 319537.6 | 128239.9 | 183122.1 | S |
| 97.308 | 0.0000 | 0.0000 | 83.204 | 0.04759 | 0.00000 | 319537.6 | 128241.3 | 183122.1 | S |
| 97.317 | 0.0000 | 0.0000 | 83.204 | 0.04758 | 0.00000 | 319537.6 | 128242.8 | 183122.1 | S |
| 97.325 | 0.0000 | 0.0000 | 83.204 | 0.04757 | 0.00000 | 319537.6 | 128244.2 | 183122.1 | S |
| 97.333 | 0.0000 | 0.0000 | 83.204 | 0.04756 | 0.00000 | 319537.6 | 128245.6 | 183122.1 | S |
| 97.342 | 0.0000 | 0.0000 | 83.203 | 0.04756 | 0.00000 | 319537.6 | 128247.0 | 183122.1 | S |
| 97.350 | 0.0000 | 0.0000 | 83.203 | 0.04755 | 0.00000 | 319537.6 | 128248.5 | 183122.1 | S |
| 97.358 | 0.0000 | 0.0000 | 83.203 | 0.04754 | 0.00000 | 319537.6 | 128249.9 | 183122.1 | S |
| 97.367 | 0.0000 | 0.0000 | 83.203 | 0.04754 | 0.00000 | 319537.6 | 128251.3 | 183122.1 | S |
| 97.375 | 0.0000 | 0.0000 | 83.203 | 0.04753 | 0.00000 | 319537.6 | 128252.8 | 183122.1 | S |
| 97.383 | 0.0000 | 0.0000 | 83.203 | 0.04752 | 0.00000 | 319537.6 | 128254.2 | 183122.1 | S |
| 97.392 | 0.0000 | 0.0000 | 83.202 | 0.04751 | 0.00000 | 319537.6 | 128255.6 | 183122.1 | S |
| 97.400 | 0.0000 | 0.0000 | 83.202 | 0.04751 | 0.00000 | 319537.6 | 128257.0 | 183122.1 | S |
| 97.408 | 0.0000 | 0.0000 | 83.202 | 0.04750 | 0.00000 | 319537.6 | 128258.5 | 183122.1 | S |
| 97.417 | 0.0000 | 0.0000 | 83.202 | 0.04749 | 0.00000 | 319537.6 | 128259.9 | 183122.1 | S |
| 97.425 | 0.0000 | 0.0000 | 83.202 | 0.04748 | 0.00000 | 319537.6 | 128261.3 | 183122.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate <br> ( $\mathrm{C}^{3} / \mathrm{s}$ ) | Outside Recharge (fiday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 97.433 | 0.0000 | 0.0000 | 83.201 | 0.04748 | 0.00000 | 319537.6 | 128262.7 | 183122.1 | S |
| 97.442 | 0.0000 | 0.0000 | 83.201 | 0.04747 | 0.00000 | 319537.6 | 128264.1 | 183122.1 | S |
| 97.450 | 0.0000 | 0.0000 | 83.201 | 0.04746 | 0.00000 | 319537.6 | 128265.6 | 183122.1 | S |
| 97.458 | 0.0000 | 0.0000 | 83.201 | 0.04746 | 0.00000 | 319537.6 | 128267.0 | 183122.1 | S |
| 97.467 | 0.0000 | 0.0000 | 83.201 | 0.04745 | 0.00000 | 319537.6 | 128268.4 | 183122.1 | S |
| 97.475 | 0.0000 | 0.0000 | 83.201 | 0.04744 | 0.00000 | 319537.6 | 128269.8 | 183122.1 | S |
| 97.483 | 0.0000 | 0.0000 | 83.200 | 0.04743 | 0.00000 | 319537.6 | 128271.3 | 183122.1 | S |
| 97.492 | 0.0000 | 0.0000 | 83.200 | 0.04743 | 0.00000 | 319537.6 | 128272.7 | 183122.1 | S |
| 97.500 | 0.0000 | 0.0000 | 83.200 | 0.04742 | 0.00000 | 319537.6 | 128274.1 | 183122.1 | S |
| 97.508 | 0.0000 | 0.0000 | 83.200 | 0.04741 | 0.00000 | 319537.6 | 128275.5 | 183122.1 | S |
| 97.517 | 0.0000 | 0.0000 | 83.200 | 0.04741 | 0.00000 | 319537.6 | 128277.0 | 183122.1 | S |
| 97.525 | 0.0000 | 0.0000 | 83.199 | 0.04740 | 0.00000 | 319537.6 | 128278.4 | 183122.1 | S |
| 97.533 | 0.0000 | 0.0000 | 83.199 | 0.04739 | 0.00000 | 319537.6 | 128279.8 | 183122.1 | S |
| 97.542 | 0.0000 | 0.0000 | 83.199 | 0.04738 | 0.00000 | 319537.6 | 128281.2 | 183122.1 | S |
| 97.550 | 0.0000 | 0.0000 | 83.199 | 0.04738 | 0.00000 | 319537.6 | 128282.6 | 183122.1 | S |
| 97.558 | 0.0000 | 0.0000 | 83.199 | 0.04737 | 0.00000 | 319537.6 | 128284.1 | 183122.1 | S |
| 97.567 | 0.0000 | 0.0000 | 83.199 | 0.04736 | 0.00000 | 319537.6 | 128285.5 | 183122.1 | S |
| 97.575 | 0.0000 | 0.0000 | 83.198 | 0.04735 | 0.00000 | 319537.6 | 128286.9 | 183122.1 | S |
| 97.583 | 0.0000 | 0.0000 | 83.198 | 0.04735 | 0.00000 | 319537.6 | 128288.3 | 183122.1 | S |
| 97.592 | 0.0000 | 0.0000 | 83.198 | 0.04734 | 0.00000 | 319537.6 | 128289.8 | 183122.1 | S |
| 97.600 | 0.0000 | 0.0000 | 83.198 | 0.04733 | 0.00000 | 319537.6 | 128291.2 | 183122.1 | S |
| 97.608 | 0.0000 | 0.0000 | 83.198 | 0.04733 | 0.00000 | 319537.6 | 128292.6 | 183122.1 | S |
| 97.617 | 0.0000 | 0.0000 | 83.197 | 0.04732 | 0.00000 | 319537.6 | 128294.0 | 183122.1 | S |
| 97.625 | 0.0000 | 0.0000 | 83.197 | 0.04731 | 0.00000 | 319537.6 | 128295.4 | 183122.1 | S |
| 97.633 | 0.0000 | 0.0000 | 83.197 | 0.04730 | 0.00000 | 319537.6 | 128296.8 | 183122.1 | S |
| 97.642 | 0.0000 | 0.0000 | 83,197 | 0.04730 | 0.00000 | 319537.6 | 128298.3 | 183122.1 | S |
| 97.650 | 0.0000 | 0.0000 | 83.197 | 0.04729 | 0.00000 | 319537.6 | 128299.7 | 183122.1 | S |
| 97.658 | 0.0000 | 0.0000 | 83.197 | 0.04728 | 0.00000 | 319537.6 | 128301.1 | 183122.1 | S |
| 97.667 | 0.0000 | 0.0000 | 83.196 | 0.04727 | 0.00000 | 319537.6 | 128302.5 | 183122.1 | S |
| 97.675 | 0.0000 | 0.0000 | 83.196 | 0.04727 | 0.00000 | 319537.6 | 128303.9 | 183122.1 | S |
| 97.683 | 0.0000 | 0.0000 | 83.196 | 0.04726 | 0.00000 | 319537.6 | 128305.4 | 183122.1 | S |
| 97.692 | 0.0000 | 0.0000 | 83.196 | 0.04725 | 0.00000 | 319537.6 | 128306.8 | 183122.1 | S |
| 97.700 | 0.0000 | 0.0000 | 83.196 | 0.04725 | 0.00000 | 319537.6 | 128308.2 | 183122.1 | S |
| 97.708 | 0.0000 | 0.0000 | 83.195 | 0.04724 | 0.00000 | 319537.6 | 128309.6 | 183122.1 | S |
| 97.717 | 0.0000 | 0.0000 | 83.195 | 0.04723 | 0.00000 | 319537.6 | 128311.0 | 183122.1 | S |
| 97.725 | 0.0000 | 0.0000 | 83.195 | 0.04722 | 0.00000 | 319537.6 | 128312.4 | 183122.1 | S |
| 97.733 | 0.0000 | 0.0000 | 83.195 | 0.04722 | 0.00000 | 319537.6 | 128313.9 | 183122.1 | S |
| 97.742 | 0.0000 | 0.0000 | 83.195 | 0.04721 | 0.00000 | 319537.6 | 128315.3 | 183122.1 | S |
| 97.750 | 0.0000 | 0.0000 | 83.195 | 0.04720 | 0.00000 | 319537.6 | 128316.7 | 183122.1 | S |
| 97.758 | 0.0000 | 0.0000 | 83.194 | 0.04720 | 0.00000 | 319537.6 | 128318.1 | 183122.1 | S |
| 97.767 | 0.0000 | 0.0000 | 83.194 | 0.04719 | 0.00000 | 319537.6 | 128319.5 | 183122.1 | S |
| 97.775 | 0.0000 | 0.0000 | 83.194 | 0.04718 | 0.00000 | 319537.6 | 128320.9 | 183122.1 | S |
| 97.783 | 0.0000 | 0.0000 | 83.194 | 0.04717 | 0.00000 | 319537.6 | 128322.4 | 183122.1 | S |
| 97.792 | 0.0000 | 0.0000 | 83.194 | 0.04717 | 0.00000 | 319537.6 | 128323.8 | 183122.1 | S |
| 97.800 | 0.0000 | 0.0000 | 83.193 | 0.04716 | 0.00000 | 319537.6 | 128325.2 | 183122.1 | S |
| 97.808 | 0.0000 | 0.0000 | 83.193 | 0.04715 | 0.00000 | 319537.6 | 128326.6 | 183122.1 | S |
| 97.817 | 0.0000 | 0.0000 | 83.193 | 0.04715 | 0.00000 | 319537.6 | 128328.0 | 183122.1 | S |
| 97.825 | 0.0000 | 0.0000 | 83.193 | 0.04714 | 0.00000 | 319537.6 | 128329.4 | 183122.1 | S |
| 97.833 | 0.0000 | 0.0000 | 83.193 | 0.04713 | 0.00000 | 319537.6 | 128330.8 | 183122.1 | S |
| 97.842 | 0.0000 | 0.0000 | 83.193 | 0.04712 | 0.00000 | 319537.6 | 128332.3 | 183122.1 | S |
| 97.850 | 0,0000 | 0.0000 | 83.192 | 0.04712 | 0.00000 | 319537.6 | 128333.7 | \$83122.1 | S |
| 97.858 | 0.0000 | 0.0000 | 83.192 | 0.04711 | 0.00000 | 319537.6 | 128335.1 | 183122.1 | S |
| 97.867 | 0.0000 | 0.0000 | 83.192 | 0.04710 | 0.00000 | 319537.6 | 128336.5 | 183122.1 | S |
| 97.875 | 0.0000 | 0.0000 | 83.192 | 0.04710 | 0.00000 | 319537.6 | 128337.9 | 183122.1 | S |
| 97.883 | 0.0000 | 0.0000 | 83.192 | 0.04709 | 0.00000 | 319537.6 | 128339.3 | 183122.1 | S |
| 97.892 | 0.0000 | 0.0000 | 83.191 | 0.04708 | 0.00000 | 319537.6 | 128340.7 | 183122.1 | S |
| 97.900 | 0.0000 | 0.0000 | 83.191 | 0.04707 | 0.00000 | 319537.6 | 128342.1 | 183122.1 | S |
| 97.908 | 0.0000 | 0.0000 | 83.191 | 0.04707 | 0.00000 | 319537.6 | 128343.6 | 183122.1 | S |
| 97.917 | 0.0000 | 0.0000 | 83.191 | 0.04706 | 0.00000 | 319537.6 | 128345.0 | 183122.1 | S |
| 97.925 | 0.0000 | 0.0000 | 83.191 | 0.04705 | 0.00000 | 319537.6 | 128346.4 | 183122.1 | S |
| 97.933 | 0.0000 | 0.0000 | 83.191 | 0.04704 | 0.00000 | 319537.6 | 128347.8 | 183122.1 | S |
| 97.942 | 0.0000 | 0.0000 | 83.190 | 0.04704 | 0.00000 | 319537.6 | 128349.2 | 183122.1 | S |
| 97.950 | 0.0000 | 0.0000 | 83.190 | 0.04703 | 0.00000 | 319537.6 | 128350.6 | 183122.1 | S |
| 97.958 | 0.0000 | 0.0000 | 83.190 | 0.04702 | 0.00000 | 319537.6 | 128352.0 | 183122.1 | S |
| 97.967 | 0.0000 | 0.0000 | 83.190 | 0.04702 | 0.00000 | 319537.6 | 128353.4 | 183122.1 | S |
| 97.975 | 0.0000 | 0.0000 | 83,190 | 0.04701 | 0.00000 | 319537.6 | 128354.9 | 183122.1 | S |
| 97.983 | 0.0000 | 0.0000 | 83.189 | 0.04700 | 0.00000 | 319537.6 | 128356.3 | 183122.1 | S |
| 97.992 | 0.0000 | 0.0000 | 83.189 | 0.04699 | 0.00000 | 319537.6 | 128357.7 | 183122.1 | S |
| 98.000 | 0.0000 | 0.0000 | 83.189 | 0.04699 | 0.00000 | 319537.6 | 128359.1 | 183122.1 | S |
| 98.008 | 0.0000 | 0.0000 | 83.189 | 0.04698 | 0.00000 | 319537.6 | 128360.5 | 183122.1 | S |
| 98.017 | 0.0000 | 0.0000 | 83.189 | 0.04697 | 0.00000 | 319537.6 | 128361.9 | 183122.1 | S |
| 98.025 | 0.0000 | 0.0000 | 83.189 | 0.04697 | 0.00000 | 319537.6 | 128363.3 | 183122.1 | S |
| 98.033 | 0.0000 | 0.0000 | 83.188 | 0.04696 | 0.00000 | 319537.6 | 128364.7 | 183122.1 | S |
| 98.042 | 0.0000 | 0.0000 | 83.188 | 0.04695 | 0.00000 | 319537.6 | 128366.1 | 183122.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Infiow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation ( t datum) | Infiltration Rate (fis/s) | Overfow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infitration Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 98.050 | 0.0000 | 0.0000 | 83.188 | 0.04694 | 0.00000 | 319537.6 | 728367.5 | 183122.1 | S |
| 98.058 | 0.0000 | 0.0000 | 83.188 | 0.04694 | 0.00000 | 319537.6 | 128368.9 | \$83122.1 | S |
| 98.067 | 0.0000 | 0.0000 | 83.188 | 0.04693 | 0.00000 | 319537.6 | 128370.4 | 183122.1 | S |
| 98.075 | 0.0000 | 0.0000 | 83.188 | 0.04692 | 0.00000 | 319537.6 | 128371.8 | 183122.1 | S |
| 98.083 | 0.0000 | 0.0000 | 83.187 | 0.04692 | 0.00000 | 319537.6 | 128373.2 | 183122.1 | S |
| 98.092 | 0.0000 | 0.0000 | 83.187 | 0.04691 | 0.00000 | 319537.6 | 128374.6 | 183122.1 | S |
| 98.100 | 0.0000 | 0.0000 | 83.187 | 0.04690 | 0.00000 | 319537.6 | 128376.0 | 183122.1 | S |
| 98.108 | 0.0000 | 0.0000 | 83.187 | 0.04689 | 0.00000 | 319537.6 | 128377.4 | 183122.1 | S |
| 98.117 | 0.0000 | 0.0000 | 83.187 | 0.04689 | 0.00000 | 319537.6 | 128378.8 | 183122.1 | S |
| 98.125 | 0.0000 | 0.0000 | 83.186 | 0.04688 | 0.00000 | 319537.6 | 128380.2 | 183122.1 | S |
| 98.133 | 0.0000 | 0.0000 | 83.186 | 0.04687 | 0.00000 | 319537.6 | 128381.6 | 183122.1 | S |
| 98.142 | 0.0000 | 0.0000 | 83.186 | 0.04687 | 0.00000 | 319537.6 | 128383.0 | 183122.1 | S |
| 98.150 | 0.0000 | 0.0000 | 83.186 | 0.04686 | 0.00000 | 319537.6 | 128384.4 | 183122.1 | S |
| 98.158 | 0.0000 | 0.0000 | 83.186 | 0.04685 | 0.00000 | 319537.6 | 128385.8 | 183122.1 | S |
| 98.167 | 0.0000 | 0.0000 | 83.186 | 0.04684 | 0.00000 | 319537.6 | 128387.2 | 183122.1 | S |
| 98.175 | 0.0000 | 0.0000 | 83.185 | 0.04684 | 0.00000 | 319537.6 | 728388.6 | 183122.1 | S |
| 98.183 | 0.0000 | 0.0000 | 83.185 | 0.04683 | 0.00000 | 319537.6 | 128390.0 | 183122.1 | S |
| 98.192 | 0.0000 | 0.0000 | 83.185 | 0.04682 | 0.00000 | 319537.6 | 128391.4 | 183122.1 | S |
| 98.200 | 0.0000 | 0.0000 | 83.185 | 0.04682 | 0.00000 | 319537.6 | 128392.9 | 183122.1 | S |
| 98.208 | 0.0000 | 0.0000 | 83.185 | 0.04681 | 0.00000 | 319537.6 | 128394.3 | 183122.1 | S |
| 98.217 | 0.0000 | 0.0000 | 83.184 | 0.04680 | 0.00000 | 319537.6 | 128395.7 | 183122.1 | S |
| 98.225 | 0.0000 | 0.0000 | 83.184 | 0.04680 | 0.00000 | 319537.6 | 128397.1 | 183122.1 | S |
| 98.233 | 0.0000 | 0.0000 | 83.184 | 0.04679 | 0.00000 | 319537.6 | 128398.5 | 183122.1 | S |
| 98.242 | 0.0000 | 0.0000 | 83.184 | 0.04678 | 0.00000 | 319537.6 | 128399.9 | 183122.1 | S |
| 98.250 | 0.0000 | 0.0000 | 83.184 | 0.04677 | 0.00000 | 319537.6 | 128401.3 | 183122.1 | S |
| 98.258 | 0.0000 | 0.0000 | 83.184 | 0.04677 | 0.00000 | 319537.6 | 128402.7 | 183122.1 | S |
| 98.267 | 0.0000 | 0.0000 | 83.183 | 0.04676 | 0.00000 | 319537.6 | 128404.1 | 183122.1 | S |
| 98.275 | 0.0000 | 0.0000 | 83.183 | 0.04675 | 0.00000 | 319537.6 | 128405.5 | 183122.1 | S |
| 98.283 | 0.0000 | 0.0000 | 83.183 | 0.04675 | 0.00000 | 319537.6 | 128406.9 | 183122.1 | S |
| 98.292 | 0.0000 | 0.0000 | 83.183 | 0.04674 | 0.00000 | 319537.6 | 128408.3 | 183122.1 | S |
| 98.300 | 0.0000 | 0.0000 | 83.183 | 0.04673 | 0.00000 | 319537.6 | 128409.7 | 183122.1 | S |
| 98.308 | 0.0000 | 0.0000 | 83.182 | 0.04672 | 0.00000 | 319537.6 | 128411.1 | 183122.1 | S |
| 98.317 | 0.0000 | 0.0000 | 83.182 | 0.04672 | 0.00000 | 319537.6 | 128412.5 | 183122.1 | S |
| 98.325 | 0.0000 | 0.0000 | 83.182 | 0.04671 | 0.00000 | 319537.6 | 128413.9 | 183122.1 | S |
| 98.333 | 0.0000 | 0.0000 | 83.182 | 0.04670 | 0.00000 | 319537.6 | 128415.3 | 183122.1 | S |
| 98.342 | 0.0000 | 0.0000 | 83.182 | 0.04670 | 0.00000 | 319537.6 | 128416.7 | 183122.1 | S |
| 98.350 | 0.0000 | 0.0000 | 83.182 | 0.04669 | 0.00000 | 319537.6 | 128418.1 | 183122.1 | S |
| 98.358 | 0.0000 | 0.0000 | 83.181 | 0.04668 | 0.00000 | 319537.6 | 128419.5 | 183122.1 | S |
| 98.367 | 0.0000 | 0.0000 | 83.181 | 0.04667 | 0.00000 | 319537.6 | 128420.9 | 183122.1 | S |
| 98.375 | 0.0000 | 0.0000 | 83.181 | 0.04667 | 0.00000 | 319537.6 | 128422.3 | $\dagger 83122.1$ | S |
| 98.383 | 0.0000 | 0.0000 | 83.181 | 0.04666 | 0.00000 | 319537.6 | 128423.7 | 183122.1 | S |
| 98.392 | 0.0000 | 0.0000 | 83.181 | 0.04665 | 0.00000 | 319537.6 | 128425.1 | 183122.1 | S |
| 98.400 | 0.0000 | 0.0000 | 83.181 | 0.04665 | 0.00000 | 319537.6 | 128426.5 | 183122.1 | S |
| 98.408 | 0.0000 | 0.0000 | 83.180 | 0.04664 | 0.00000 | 319537.6 | 128427.9 | 183122.1 | S |
| 98.417 | 0.0000 | 0.0000 | 83.180 | 0.04663 | 0.00000 | 319537.6 | 128429.3 | 183122.1 | S |
| 98.425 | 0.0000 | 0.0000 | 83.180 | 0.04662 | 0.00000 | 319537.6 | 128430.7 | 183122.1 | S |
| 98.433 | 0.0000 | 0.0000 | 83.180 | 0.04662 | 0.00000 | 319537.6 | 128432.1 | 183122.1 | S |
| 98.442 | 0.0000 | 0.0000 | 83.180 | 0.04661 | 0.00000 | 319537.6 | 128433.5 | 183122.1 | S |
| 98.450 | 0.0000 | 0.0000 | 83.179 | 0.04660 | 0.00000 | 319537.6 | 128434.9 | 183122.1 | S |
| 98.458 | 0.0000 | 0.0000 | 83.179 | 0.04660 | 0.00000 | 319537.6 | 128436.3 | 183122.1 | S |
| 98.467 | 0.0000 | 0.0000 | 83.179 | 0.04659 | 0.00000 | 319537.6 | 128437.7 | 183122.1 | S |
| 98.475 | 0.0000 | 0.0000 | 83.179 | 0.04658 | 0.00000 | 319537.6 | 128439.1 | 183122.1 | S |
| 98.483 | 0.0000 | 0.0000 | 83.179 | 0.04658 | 0.00000 | 319537.6 | 128440.5 | 183122.1 | S |
| 98.492 | 0.0000 | 0.0000 | 83.179 | 0.04657 | 0.00000 | 319537.6 | 128441.9 | 183122.1 | S |
| 98.500 | 0.0000 | 0.0000 | 83.178 | 0.04656 | 0.00000 | 319537.6 | 128443.3 | 183122.1 | S |
| 98.508 | 0.0000 | 0.0000 | 83.178 | 0.04655 | 0.00000 | 319537.6 | 128444.7 | 183122.1 | S |
| 98.517 | 0.0000 | 0.0000 | 83.178 | 0.04655 | 0.00000 | 319537.6 | 128446.1 | 183122.1 | S |
| 98.525 | 0.0000 | 0.0000 | 83.178 | 0.04654 | 0.00000 | 319537.6 | 128447.5 | 183122.1 | S |
| 98.533 | 0.0000 | 0.0000 | 83.178 | 0.04653 | 0.00000 | 319537.6 | 128448.9 | 183122.1 | S |
| 98.542 | 0.0000 | 0.0000 | 83.177 | 0.04653 | 0.00000 | 319537.6 | 128450.3 | 183122.1 | S |
| 98.550 | 0.0000 | 0.0000 | 83,177 | 0.04652 | 0.00000 | 319537.6 | 128451.6 | 183122.1 | S |
| 98.558 | 0.0000 | 0.0000 | 83.177 | 0.04651 | 0.00000 | 319537.6 | 128453.0 | 183122.1 | S |
| 98.567 | 0.0000 | 0.0000 | 83.177 | 0.04650 | 0.00000 | 319537.6 | 128454.4 | 183122.1 | S |
| 98.575 | 0.0000 | 0.0000 | 83.177 | 0.04650 | 0.00000 | 319537.6 | 128455.8 | 183122.1 | S |
| 98.583 | 0.0000 | 0.0000 | 83.177 | 0.04649 | 0.00000 | 319537.6 | 128457.2 | 183122.1 | S |
| 98.592 | 0.0000 | 0.0000 | 83.176 | 0.04648 | 0.00000 | 319537.6 | 128458.6 | 183122.1 | S |
| 98.600 | 0.0000 | 0.0000 | 83.176 | 0.04648 | 0.00000 | 319537.6 | 128460.0 | 183122.1 | S |
| 98.608 | 0.0000 | 0.0000 | 83.176 | 0.04647 | 0.00000 | 319537.6 | 128461.4 | 183122.1 | S |
| 98.617 | 0.0000 | 0.0000 | 83.176 | 0.04646 | 0.00000 | 319537.6 | 128462.8 | 183122.1 | S |
| 98.625 | 0.0000 | 0.0000 | 83.176 | 0.04646 | 0.00000 | 319537.6 | 128464.2 | 183122.1 | S |
| 98.633 | 0.0000 | 0.0000 | 83.175 | 0.04645 | 0.00000 | 319537.6 | 128465.6 | 183122.1 | S |
| 98.642 | 0.0000 | 0.0000 | 83.175 | 0.04644 | 0.00000 | 319537.6 | 128467.0 | 183122.1 | S |
| 98.650 | 0.0000 | 0.0000 | 83.175 | 0.04643 | 0.00000 | 319537.6 | 128468.4 | 183122.1 | S |
| 98.658 | 0.0000 | 0.0000 | 83.175 | 0.04643 | 0.00000 | 319537.6 | 128469.8 | \{83122.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/overflow

| Elapsed Time (hours) | \{nflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (fVday) | Stage Elevation (ft datum) | Infiltration Rate (fits) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Voiume ( $\mathrm{t}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 98.667 | 0.0000 | 0.0000 | 83.175 | 0.04642 | 0.00000 | 319537.6 | 128471.2 | 183122.1 | S |
| 98.675 | 0.0000 | 0.0000 | 83.175 | 0.04641 | 0.00000 | 319537.6 | 128472.6 | 183122.1 | S |
| 98.683 | 0.0000 | 0.0000 | 83.174 | 0.04641 | 0.00000 | 319537.6 | 128474.0 | 183122.1 | S |
| 98.692 | 0.0000 | 0.0000 | 83.174 | 0.04640 | 0.00000 | 319537.6 | 128475.3 | 183122.1 | S |
| 98.700 | 0.0000 | 0.0000 | 83.174 | 0.04639 | 0.00000 | 319537.6 | 128476.7 | 183122.1 | S |
| 98.708 | 0.0000 | 0.0000 | 83.174 | 0.04639 | 0.00000 | 319537.6 | 128478.1 | 183122.1 | S |
| 98.717 | 0.0000 | 0.0000 | 83.174 | 0.04638 | 0.00000 | 319537.6 | 128479.5 | 183122.1 | S |
| 98.725 | 0.0000 | 0.0000 | 83.174 | 0.04637 | 0.00000 | 319537.6 | 128480.9 | 183122.1 | S |
| 98.733 | 0.0000 | 0.0000 | 83.173 | 0.04636 | 0.00000 | 319537.6 | 128482.3 | 183122.1 | S |
| 98.742 | 0.0000 | 0.0000 | 83.173 | 0.04636 | 0.00000 | 319537.6 | 128483.7 | 183122.1 | S |
| 98.750 | 0.0000 | 0.0000 | 83.173 | 0.04635 | 0.00000 | 319537.6 | 128485.1 | 183122.1 | S |
| 98.758 | 0.0000 | 0.0000 | 83.173 | 0.04634 | 0.00000 | 319537.6 | 128486.5 | 183122.1 | S |
| 98.767 | 0.0000 | 0.0000 | 83.173 | 0.04634 | 0.00000 | 319537.6 | 128487.9 | 183122.1 | S |
| 98.775 | 0.0000 | 0.0000 | 83.172 | 0.04633 | 0.00000 | 319537.6 | 128489.3 | 183122.1 | S |
| 98.783 | 0.0000 | 0.0000 | 83.172 | 0.04632 | 0.00000 | 319537.6 | 128490.6 | 183122.1 | S |
| 98.792 | 0.0000 | 0.0000 | 83.172 | 0.04632 | 0.00000 | 319537.6 | 128492.0 | 183122.1 | S |
| 98.800 | 0.0000 | 0.0000 | 83.172 | 0.04631 | 0.00000 | 319537.6 | 128493.4 | 183122.1 | S |
| 98.808 | 0.0000 | 0.0000 | 83.172 | 0.04630 | 0.00000 | 319537.6 | 128494.8 | 183122.1 | S |
| 98.817 | 0.0000 | 0.0000 | 83.172 | 0.04629 | 0.00000 | 319537.6 | 128496.2 | 183122.1 | S |
| 98.825 | 0.0000 | 0.0000 | 83.171 | 0.04629 | 0.00000 | 319537.6 | 128497.6 | 183122.1 | S |
| 98.833 | 0.0000 | 0.0000 | 83.171 | 0.04628 | 0.00000 | 319537.6 | 128499.0 | 183122.1 | S |
| 98.842 | 0.0000 | 0.0000 | 83.171 | 0.04627 | 0.00000 | 319537.6 | 128500.4 | 183122.1 | S |
| 98.850 | 0.0000 | 0.0000 | 83.171 | 0.04627 | 0.00000 | 319537.6 | 128501.8 | 183122.1 | S |
| 98.858 | 0.0000 | 0.0000 | 83.171 | 0.04626 | 0.00000 | 319537.6 | 128503.1 | 183122.1 | S |
| 98.867 | 0.0000 | 0.0000 | 83.170 | 0.04625 | 0.00000 | 319537.6 | 128504.5 | 183122.1 | S |
| 98.875 | 0.0000 | 0.0000 | 83.170 | 0.04625 | 0.00000 | 319537.6 | 128505.9 | 183122.1 | S |
| 98.883 | 0.0000 | 0.0000 | 83.170 | 0.04624 | 0.00000 | 319537.6 | 128507.3 | 183122.1 | S |
| 98.892 | 0.0000 | 0.0000 | 83.170 | 0.04623 | 0.00000 | 319537.6 | 128508.7 | 183122.1 | S |
| 98.900 | 0.0000 | 0.0000 | 83.170 | 0.04622 | 0.00000 | 319537.6 | 128510.1 | 183122.1 | S |
| 98.908 | 0.0000 | 0.0000 | 83.170 | 0.04622 | 0.00000 | 319537.6 | 128511.5 | 183122.1 | S |
| 98.917 | 0.0000 | 0.0000 | 83.169 | 0.04621 | 0.00000 | 319537.6 | 128512.9 | 183122.1 | S |
| 98.925 | 0.0000 | 0.0000 | 83.169 | 0.04620 | 0.00000 | 319537.6 | 128514.2 | 183122.1 | S |
| 98.933 | 0.0000 | 0.0000 | 83.169 | 0.04620 | 0.00000 | 319537.6 | 128515.6 | 183122.1 | S |
| 98.942 | 0.0000 | 0.0000 | 83.169 | 0.04619 | 0.00000 | 319537.6 | 128517.0 | 183122.1 | S |
| 98.950 | 0.0000 | 0.0000 | 83.169 | 0.04618 | 0.00000 | 319537.6 | 128518.4 | 183122.1 | S |
| 98.958 | 0.0000 | 0.0000 | 83.169 | 0.04618 | 0.00000 | 319537.6 | 128519.8 | 183122.1 | S |
| 98.967 | 0.0000 | 0.0000 | 83.168 | 0.04617 | 0.00000 | 319537.6 | 128521.2 | 183122.1 | S |
| 98.975 | 0.0000 | 0.0000 | 83.168 | 0.04616 | 0.00000 | 319537.6 | 128522.5 | 183122.1 | S |
| 98.983 | 0.0000 | 0.0000 | 83.168 | 0.04615 | 0.00000 | 319537.6 | 128523.9 | 183122.1 | S |
| 98.992 | 0.0000 | 0.0000 | 83.168 | 0.04615 | 0.00000 | 319537.6 | 128525.3 | 183122.1 | S |
| 99.000 | 0.0000 | 0.0000 | 83.168 | 0.04614 | 0.00000 | 319537.6 | 128526.7 | 183122.1 | S |
| 99.008 | 0.0000 | 0.0000 | 83.167 | 0.04613 | 0.00000 | 319537.6 | 128528.1 | 183122.1 | S |
| 99.017 | 0.0000 | 0.0000 | 83.167 | 0.04613 | 0.00000 | 319537.6 | 128529.5 | 183122.1 | S |
| 99.025 | 0.0000 | 0.0000 | 83.167 | 0.04612 | 0.00000 | 319537.6 | 128530.9 | 183122.1 | S |
| 99.033 | 0.0000 | 0.0000 | 83.167 | 0.04611 | 0.00000 | 319537.6 | 128532.2 | 183122.1 | S |
| 99.042 | 0.0000 | 0.0000 | 83.167 | 0.04611 | 0.00000 | 319537.6 | 128533.6 | 183122.1 | S |
| 99.050 | 0.0000 | 0.0000 | 83.167 | 0.04610 | 0.00000 | 319537.6 | 128535.0 | 183122.1 | S |
| 99.058 | 0.0000 | 0.0000 | 83.166 | 0.04609 | 0.00000 | 319537.6 | 128536.4 | 183122.1 | S |
| 99.067 | 0.0000 | 0.0000 | 83.166 | 0.04609 | 0.00000 | 319537.6 | 128537.8 | 183122.1 | S |
| 99.075 | 0.0000 | 0.0000 | 83.166 | 0.04608 | 0.00000 | 319537.6 | 128539.2 | 183122.1 | S |
| 99.083 | 0.0000 | 0.0000 | 83.166 | 0.04607 | 0.00000 | 319537.6 | 128540.5 | 183122.1 | S |
| 99.092 | 0.0000 | 0.0000 | 83.166 | 0.04606 | 0.00000 | 319537.6 | 128541.9 | 183122.1 | S |
| 99.100 | 0.0000 | 0.0000 | 83.166 | 0.04606 | 0.00000 | 319537.6 | 128543.3 | 183122.1 | S |
| 99.108 | 0.0000 | 0.0000 | 83.165 | 0.04605 | 0.00000 | 319537.6 | 128544.7 | 183122.3 | S |
| 99.117 | 0.0000 | 0.0000 | 83.165 | 0.04604 | 0.00000 | 319537.6 | 128546.1 | 183122.1 | S |
| 99.125 | 0.0000 | 0.0000 | 83.165 | 0.04604 | 0.00000 | 319537.6 | 128547.4 | 183122.1 | S |
| 99.133 | 0.0000 | 0.0000 | 83.165 | 0.04603 | 0.00000 | 319537.6 | 128548.8 | 183122.1 | S |
| 99.142 | 0.0000 | 0.0000 | 83.165 | 0.04602 | 0.00000 | 319537.6 | 128550.2 | 183122.1 | S |
| 99.150 | 0.0000 | 0.0000 | 83.184 | 0.04602 | 0.00000 | 319537.6 | 128551.6 | $183\} 22.1$ | S |
| 99.158 | 0.0000 | 0.0000 | 83.164 | 0.04601 | 0.00000 | 319537.6 | 128553.0 | 183122.1 | S |
| 99.167 | 0.0000 | 0.0000 | 83.164 | 0.04600 | 0.00000 | 319537.6 | 128554.3 | 183122.1 | S |
| 99.175 | 0.0000 | 0.0000 | 83.164 | 0.04599 | 0.00000 | 319537.6 | 128555.7 | 183122.1 | S |
| 99.183 | 0.0000 | 0.0000 | 83.164 | 0.04599 | 0.00000 | 319537.6 | 128557.1 | 183122.1 | S |
| 99.192 | 0.0000 | 0.0000 | 83.164 | 0.04598 | 0.00000 | 319537.6 | 128558.5 | 183122.1 | S |
| 99.200 | 0.0000 | 0.0000 | 83.163 | 0.04597 | 0.00000 | 319537.6 | 128559.9 | 183122.1 | S |
| 99.208 | 0.0000 | 0.0000 | 83.163 | 0.04597 | 0.00000 | 319537.6 | 128561.2 | 183122.1 | S |
| 99.217 | 0.0000 | 0.0000 | 83.163 | 0.04596 | 0.00000 | 319537.6 | 128562.6 | 183122.1 | S |
| 99.225 | 0.0000 | 0.0000 | 83.163 | 0.04595 | 0.00000 | 319537.6 | 128564.0 | 183122.1 | S |
| 99.233 | 0.0000 | 0.0000 | 83.163 | 0.04595 | 0.00000 | 319537.6 | 128565.4 | 183122.1 | S |
| 99.242 | 0.0000 | 0.0000 | 83.162 | 0.04594 | 0.00000 | 319537.6 | 128566.8 | \$83122.1 | S |
| 99.250 | 0.0000 | 0.0000 | 83.162 | 0.04593 | 0.00000 | 319537.6 | 128568.1 | 183122.1 | S |
| 99.258 | 0.0000 | 0.0000 | 83.162 | 0.04593 | 0.00000 | 319537.6 | 128569.5 | 183122.1 | S |
| 99.267 | 0.0000 | 0.0000 | 83.162 | 0.04592 | 0.00000 | 319537.6 | 128570.9 | 183122.1 | S |
| 99.275 | 0.0000 | 0.0000 | 83.162 | 0.04591 | 0.00000 | 319537.6 | 128572.3 | 183122.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Outside Recharge (f/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 99.283 | 0.0000 | 0.0000 | 83.162 | 0.04590 | 0.00000 | 319537.6 | 128573.6 | 183122.1 | S |
| 99.292 | 0.0000 | 0.0000 | 83.161 | 0.04590 | 0.00000 | 319537.6 | 128575.0 | 183122.1 | S |
| 99.300 | 0.0000 | 0.0000 | 83.161 | 0.04589 | 0.00000 | 319537.6 | 128576.4 | 183122.1 | S |
| 99.308 | 0.0000 | 0.0000 | 83.161 | 0.04588 | 0.00000 | 319537.6 | 128577.8 | 183122.1 | S |
| 99.317 | 0.0000 | 0.0000 | 83.161 | 0.04588 | 0.00000 | 319537.6 | 128579.2 | 183122.1 | S |
| 99.325 | 0.0000 | 0.0000 | 83.161 | 0.04587 | 0.00000 | 319537.6 | 128580.5 | 183122.1 | S |
| 99.333 | 0.0000 | 0.0000 | 83.161 | 0.04586 | 0.00000 | 319537.6 | 128581.9 | 183122.1 | S |
| 99.342 | 0.0000 | 0.0000 | 83.160 | 0.04586 | 0.00000 | 319537.6 | 128583.3 | 183122.1 | S |
| 99.350 | 0.0000 | 0.0000 | 83.160 | 0.04585 | 0.00000 | 319537.6 | 128584.7 | 183122.1 | S |
| 99.358 | 0.0000 | 0.0000 | 83.160 | 0.04584 | 0.00000 | 319537.6 | 128586.0 | 183122.1 | S |
| 99.367 | 0.0000 | 0.0000 | 83.160 | 0.04584 | 0.00000 | 319537.6 | 128587.4 | 183122.1 | S |
| 99.375 | 0.0000 | 0.0000 | 83.160 | 0.04583 | 0.00000 | 319537.6 | 128588.8 | 183122.1 | S |
| 99.383 | 0.0000 | 0.0000 | 83.159 | 0.04582 | 0.00000 | 319537.6 | 128590.2 | 183122.1 | S |
| 99.392 | 0.0000 | 0.0000 | 83.159 | 0.04582 | 0.00000 | 319537.6 | 128591.5 | 183122.1 | S |
| 99.400 | 0.0000 | 0.0000 | 83.159 | 0.04581 | 0.00000 | 319537.6 | 128592.9 | 183122.1 | S |
| 99.408 | 0.0000 | 0.0000 | 83.159 | 0.04580 | 0.00000 | 319537.6 | 128594.3 | 183122.1 | S |
| 99.417 | 0.0000 | 0.0000 | 83.159 | 0.04579 | 0.00000 | 319537.6 | 128595.7 | 183122.1 | S |
| 99.425 | 0.0000 | 0.0000 | 83.159 | 0.04579 | 0.00000 | 319537.6 | 128597.0 | 183122.1 | S |
| 99.433 | 0.0000 | 0.0000 | 83.158 | 0.04578 | 0.00000 | 319537.6 | 128598.4 | 183122.1 | S |
| 99.442 | 0.0000 | 0.0000 | 83.158 | 0.04577 | 0.00000 | 319537.6 | 128599.8 | 183122.1 | S |
| 99.450 | 0.0000 | 0.0000 | 83.158 | 0.04577 | 0.00000 | 319537.6 | 128601.1 | 183122.1 | S |
| 99.458 | 0.0000 | 0.0000 | 83.158 | 0.04576 | 0.00000 | 319537.6 | 128602.5 | 183122.1 | S |
| 99.467 | 0.0000 | 0.0000 | 83.158 | 0.04575 | 0.00000 | 319537.6 | 128603.9 | 183122.1 | S |
| 99.475 | 0.0000 | 0.0000 | 83.158 | 0.04575 | 0.00000 | 319537.6 | 128605.3 | ¢83122.1 | S |
| 99.483 | 0.0000 | 0.0000 | 83.157 | 0.04574 | 0.00000 | 319537.6 | 128606.6 | 183122.1 | S |
| 99.492 | 0.0000 | 0.0000 | 83.157 | 0.04573 | 0.00000 | 319537.6 | 128608.0 | 183122.1 | S |
| 99.500 | 0.0000 | 0.0000 | 83.157 | 0.04573 | 0.00000 | 319537.6 | 128609.4 | 183122.1 | S |
| 99.508 | 0.0000 | 0.0000 | 83.157 | 0.04572 | 0.00000 | 319537.6 | 128610.8 | 183122.1 | S |
| 99.517 | 0.0000 | 0.0000 | 83.157 | 0.04571 | 0.00000 | 319537.6 | 128612.1 | 183122.1 | S |
| 99.525 | 0.0000 | 0.0000 | 83.156 | 0.04571 | 0.00000 | 319537.6 | 128613.5 | 183122.1 | S |
| 99.533 | 0.0000 | 0.0000 | 83.156 | 0.04570 | 0.00000 | 319537.6 | 128614.9 | 183122.1 | S |
| 99.542 | 0.0000 | 0.0000 | 83.156 | 0.04569 | 0.00000 | 319537.6 | 128616.2 | 183122.1 | S |
| 99.550 | 0.0000 | 0.0000 | 83.156 | 0.04568 | 0.00000 | 319537.6 | 128617.6 | 183122.1 | S |
| 99.558 | 0.0000 | 0.0000 | 83.156 | 0.04568 | 0.00000 | 319537.6 | 128619.0 | 183122.1 | S |
| 99.567 | 0.0000 | 0.0000 | 83.156 | 0.04567 | 0.00000 | 319537.6 | 128620.4 | 183122.1 | S |
| 99.575 | 0.0000 | 0.0000 | 83.155 | 0.04566 | 0.00000 | 319537.6 | 128621.7 | 183122.4 | S |
| 99.583 | 0.0000 | 0.0000 | 83.155 | 0.04566 | 0.00000 | 319537.6 | 128623.1 | 183122.1 | S |
| 99.592 | 0.0000 | 0.0000 | 83.155 | 0.04565 | 0.00000 | 319537.6 | 128624.5 | 183122.1 | S |
| 99.600 | 0.0000 | 0.0000 | 83.155 | 0.04564 | 0.00000 | 319537.6 | 128625.8 | 183122.1 | S |
| 99.608 | 0.0000 | 0.0000 | 83.155 | 0.04564 | 0.00000 | 319537.6 | 128627.2 | 183122.1 | S |
| 99.617 | 0.0000 | 0.0000 | 83.155 | 0.04563 | 0.00000 | 319537.6 | 128628.6 | 183122.1 | S |
| 99.625 | 0.0000 | 0.0000 | 83.154 | 0.04562 | 0.00000 | 319537.6 | 128629.9 | 183122.1 | S |
| 99.633 | 0.0000 | 0.0000 | 83.154 | 0.04562 | 0.00000 | 319537.6 | 128631.3 | 183122.1 | S |
| 99.642 | 0.0000 | 0.0000 | 83.154 | 0.04561 | 0.00000 | 319537.6 | 128632.7 | 183122.1 | S |
| 99.650 | 0.0000 | 0.0000 | 83.154 | 0.04560 | 0.00000 | 319537.6 | 128634.0 | 183122.1 | S |
| 99.658 | 0.0000 | 0.0000 | 83.154 | 0.04560 | 0.00000 | 319537.6 | 128635.4 | 183122.1 | S |
| 99.667 | 0.0000 | 0.0000 | 83.153 | 0.04559 | 0.00000 | 319537.6 | 128636.8 | 183122.1 | S |
| 99.675 | 0.0000 | 0.0000 | 83.153 | 0.04558 | 0.00000 | 319537.6 | 128638.1 | 183122.1 | S |
| 99.683 | 0.0000 | 0.0000 | 83.153 | 0.04557 | 0.00000 | 319537.6 | 128639.5 | 183122.1 | S |
| 99.692 | 0.0000 | 0.0000 | 83.153 | 0.04557 | 0.00000 | 319537.6 | 128640.9 | 183122.1 | S |
| 99.700 | 0.0000 | 0.0000 | 83.153 | 0.04556 | 0.00000 | 319537.6 | 128642.2 | 183122.1 | S |
| 99.708 | 0.0000 | 0.0000 | 83.153 | 0.04555 | 0.00000 | 319537.6 | 128643.6 | 183122.1 | S |
| 99.717 | 0.0000 | 0.0000 | 83.152 | 0.04555 | 0.00000 | 319537.6 | 128645.0 | 183122.1 | S |
| 99.725 | 0.0000 | 0.0000 | 83.152 | 0.04554 | 0.00000 | 319537.6 | 128646.3 | 183122.1 | S |
| 99.733 | 0.0000 | 0.0000 | 83.152 | 0.04553 | 0.00000 | 319537.6 | 128647.7 | 183122.1 | S |
| 99.742 | 0.0000 | 0.0000 | 83.152 | 0.04553 | 0.00000 | 319537.6 | 128649.1 | 183122.1 | S |
| 99.750 | 0.0000 | 0.0000 | 83.152 | 0.04552 | 0.00000 | 319537.6 | 128650.4 | 183122.1 | S |
| 99.758 | 0.0000 | 0.0000 | 83.152 | 0.04551 | 0.00000 | 319537.6 | 128651.8 | 183122.1 | S |
| 99.767 | 0.0000 | 0.0000 | 83.151 | 0.04551 | 0.00000 | 319537.6 | 128653.2 | 183122.1 | S |
| 99.775 | 0.0000 | 0.0000 | 83.151 | 0.04550 | 0.00000 | 319537.6 | 128654.5 | 183122.1 | S |
| 99.783 | 0.0000 | 0.0000 | 83.151 | 0.04549 | 0.00000 | 319537.6 | 128655.9 | 183122.1 | S |
| 99.792 | 0.0000 | 0.0000 | 83.151 | 0.04549 | 0.00000 | 319537.6 | 128657.3 | 183122.1 | S |
| 99.800 | 0.0000 | 0.0000 | 83.151 | 0.04548 | 0.00000 | 319537.6 | 128658.6 | 183122.1 | S |
| 99.808 | 0.0000 | 0.0000 | 83.150 | 0.04547 | 0.00000 | 319537.6 | 128660.0 | 183122.1 | S |
| 99.817 | 0.0000 | 0.0000 | 83.150 | 0.04547 | 0.00000 | 319537.6 | 128661.4 | 183122.1 | S |
| 99.825 | 0.0000 | 0.0000 | 83.150 | 0.04546 | 0.00000 | 319537.6 | 128662.7 | 183122.1 | S |
| 99.833 | 0.0000 | 0.0000 | 83.150 | 0.04545 | 0.00000 | 319537.6 | 128664.1 | 183122.1 | S |
| 99.842 | 0.0000 | 0.0000 | 83.150 | 0.04545 | 0.00000 | 319537.6 | 128665.5 | 183122.1 | S |
| 99.850 | 0.0000 | 0.0000 | 83.150 | 0.04544 | 0.00000 | 319537.6 | 128666.8 | 183122.1 | S |
| 99.858 | 0.0000 | 0.0000 | 83.149 | 0.04543 | 0.00000 | 319537.6 | 128668.2 | 183122.1 | S |
| 99.867 | 0.0000 | 0.0000 | 83.149 | 0.04542 | 0.00000 | 319537.6 | 128669.5 | 183122.1 | S |
| 99.875 | 0.0000 | 0.0000 | 83.149 | 0.04542 | 0.00000 | 319537.6 | 128670.9 | 183122.1 | S |
| 99.883 | 0.0000 | 0.0000 | 83.149 | 0.04541 | 0.00000 | 319537.6 | 128672.3 | 183122.1 | S |
| 99.892 | 0.0000 | 0.0000 | 83.149 | 0.04540 | 0.00000 | 319537.6 | 128673.6 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate (f $\mathrm{f}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate (ft ${ }^{3} / \mathrm{s}$ ) | Ovenlow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume $\left(\mathrm{f}^{3}\right)$ | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 99.900 | 0.0000 | 0.0000 | 83.149 | 0.04540 | 0.00000 | 319537.6 | 128675.0 | 183122.1 | S |
| 99.908 | 0.0000 | 0.0000 | 83.148 | 0.04539 | 0.00000 | 319537.6 | 128676.4 | 183122.1 | S |
| 99.917 | 0.0000 | 0.0000 | 83.148 | 0.04538 | 0.00000 | 319537.6 | 128677.7 | 183122.1 | S |
| 99.925 | 0.0000 | 0.0000 | 83.148 | 0.04538 | 0.00000 | 319537.6 | 128679.1 | 183122.1 | S |
| 99.933 | 0.0000 | 0.0000 | 83.148 | 0.04537 | 0.00000 | 319537.6 | 128680.4 | 183122.1 | S |
| 99.942 | 0.0000 | 0.0000 | 83.148 | 0.04536 | 0.00000 | 319537.6 | 128681.8 | 183122.1 | S |
| 99.950 | 0.0000 | 0.0000 | 83.147 | 0.04536 | 0.00000 | 319537.6 | 128683.2 | 183122.1 | S |
| 99.958 | 0.0000 | 0.0000 | 83.147 | 0.04535 | 0.00000 | 319537.6 | 128684.5 | 183122.1 | S |
| 99.967 | 0.0000 | 0.0000 | 83.147 | 0.04534 | 0.00000 | 319537.6 | 128685.9 | 183122.1 | S |
| 99.975 | 0.0000 | 0.0000 | 83.147 | 0.04534 | 0.00000 | 319537.6 | 128687.2 | 183122.1 | S |
| 99.983 | 0.0000 | 0.0000 | 83.147 | 0.04533 | 0.00000 | 319537.6 | 128688.6 | 183122.1 | S |
| 99.992 | 0.0000 | 0.0000 | 83.147 | 0.04532 | 0.00000 | 319537.6 | 128690.0 | 183122.1 | S |
| 100.000 | 0.0000 | 0.0000 | 83.146 | 0.04532 | 0.00000 | 319537.6 | 128691.3 | 183122.1 | S |
| 100.008 | 0.0000 | 0.0000 | 83.146 | 0.04531 | 0.00000 | 319537.6 | 128692.7 | 183122.1 | S |
| 100.017 | 0.0000 | 0.0000 | 83.146 | 0.04530 | 0.00000 | 319537.6 | 128694.0 | 183122.1 | S |
| 100.025 | 0.0000 | 0.0000 | 83.146 | 0.04530 | 0.00000 | 319537.6 | 128695.4 | 183122.1 | S |
| 100.033 | 0.0000 | 0.0000 | 83.146 | 0.04529 | 0.00000 | 319537.6 | 128696.8 | 183122.1 | S |
| 100.042 | 0.0000 | 0.0000 | 83.146 | 0.04528 | 0.00000 | 319537.6 | 128698.1 | 183122.1 | S |
| 100.050 | 0.0000 | 0.0000 | 83.145 | 0.04528 | 0.00000 | 319537.6 | 128699.5 | 183122.1 | S |
| 100.058 | 0.0000 | 0.0000 | 83.145 | 0.04527 | 0.00000 | 319537.6 | 128700.8 | 183122.1 | S |
| 100.067 | 0.0000 | 0.0000 | 83.145 | 0.04526 | 0.00000 | 319537.6 | 128702.2 | 183122.1 | S |
| 100.075 | 0.0000 | 0.0000 | 83.145 | 0.04526 | 0.00000 | 319537.6 | 128703.5 | 183122.1 | S |
| 100.083 | 0.0000 | 0.0000 | 83.145 | 0.04525 | 0.00000 | 319537.6 | 128704.9 | 183122.1 | S |
| 100.092 | 0.0000 | 0.0000 | 83.144 | 0.04524 | 0.00000 | 319537.6 | 128706.3 | 183122.1 | S |
| 100.100 | 0.0000 | 0.0000 | 83.144 | 0.04523 | 0.00000 | 319537.6 | 128707.6 | 183122.1 | S |
| 100.108 | 0.0000 | 0.0000 | 83.144 | 0.04523 | 0.00000 | 319537.6 | 128709.0 | 183122.1 | S |
| 100.117 | 0.0000 | 0.0000 | 83.144 | 0.04522 | 0.00000 | 319537.6 | 128710.3 | 183122.1 | S |
| 100.125 | 0.0000 | 0.0000 | 83.144 | 0.04521 | 0.00000 | 319537.6 | 128711.7 | 183122.1 | S |
| 100.133 | 0.0000 | 0.0000 | 83.144 | 0.04521 | 0.00000 | 319537.6 | 128713.0 | 183122.1 | S |
| 100.142 | 0.0000 | 0.0000 | 83.143 | 0.04520 | 0.00000 | 319537.6 | 128714.4 | 183122.1 | S |
| 100.150 | 0.0000 | 0.0000 | 83.143 | 0.04519 | 0.00000 | 319537.6 | 128715.8 | 183122.1 | S |
| 100.158 | 0.0000 | 0.0000 | 83.143 | 0.04519 | 0.00000 | 319537.6 | 128717.1 | 183122.1 | S |
| 100.167 | 0.0000 | 0.0000 | 83.143 | 0.04518 | 0.00000 | 319537.6 | 128718.5 | 183122.1 | S |
| 100.175 | 0.0000 | 0.0000 | 83.143 | 0.04517 | 0.00000 | 319537.6 | 128719.8 | 183122,1 | S |
| 100.183 | 0.0000 | 0.0000 | 83.143 | 0.04517 | 0.00000 | 319537.6 | 128721.2 | 183122.1 | S |
| 100.192 | 0.0000 | 0.0000 | 83.142 | 0.04516 | 0.00000 | 319537.6 | 128722.5 | 183122.1 | S |
| 100.200 | 0.0000 | 0.0000 | 83.142 | 0.04515 | 0.00000 | 319537.6 | 128723.9 | 183122.1 | S |
| 100.208 | 0.0000 | 0.0000 | 83.142 | 0.04515 | 0.00000 | 319537.6 | 128725.2 | 183122.1 | S |
| 100.217 | 0.0000 | 0.0000 | 83.142 | 0.04514 | 0.00000 | 319537.6 | 128726.6 | 183122.1 | S |
| 100.225 | 0.0000 | 0.0000 | 83.142 | 0.04513 | 0.00000 | 319537.6 | 128728.0 | 183122.1 | S |
| 100.233 | 0.0000 | 0.0000 | 83.142 | 0.04513 | 0.00000 | 319537.6 | 128729.3 | 183122.1 | S |
| 100.242 | 0.0000 | 0.0000 | 83.141 | 0.04512 | 0.00000 | 319537.6 | 128730.7 | 183122.1 | S |
| 100.250 | 0.0000 | 0.0000 | 83.141 | 0.04511 | 0.00000 | 319537.6 | 128732.0 | 183122.1 | S |
| 100.258 | 0.0000 | 0.0000 | 83.141 | 0.04511 | 0.00000 | 319537.6 | 128733.4 | 183122.1 | S |
| 100.267 | 0.0000 | 0.0000 | 83.141 | 0.04510 | 0.00000 | 319537.6 | 128734.7 | 183122.1 | S |
| 100.275 | 0.0000 | 0.0000 | 83.141 | 0.04509 | 0.00000 | 319537.6 | 128736.1 | 183122.1 | S |
| 100.283 | 0.0000 | 0.0000 | 83.140 | 0.04509 | 0.00000 | 319537.6 | 128737.4 | 183122.1 | S |
| 100.292 | 0.0000 | 0.0000 | 83.140 | 0.04508 | 0.00000 | 319537.6 | 128738.8 | 183122.1 | S |
| 100.300 | 0.0000 | 0.0000 | 83.140 | 0.04507 | 0.00000 | 319537.6 | 128740.1 | 183122.1 | S |
| 100.308 | 0.0000 | 0.0000 | 83.140 | 0.04507 | 0.00000 | 319537.6 | 128741.5 | 183122.1 | S |
| 100.317 | 0.0000 | 0.0000 | 83.140 | 0.04506 | 0.00000 | 319537.6 | 128742.8 | 183122.1 | S |
| 100.325 | 0.0000 | 0.0000 | 83.140 | 0.04505 | 0.00000 | 319537.6 | 128744.2 | 183122.1 | S |
| 100.333 | 0.0000 | 0.0000 | 83.139 | 0.04505 | 0.00000 | 319537.6 | 128745.5 | 183122.1 | S |
| 100.342 | 0.0000 | 0.0000 | 83.139 | 0.04504 | 0.00000 | 319537.6 | 128746.9 | 183122.1 | S |
| 100.350 | 0.0000 | 0.0000 | 83.139 | 0.04503 | 0.00000 | 319537.6 | 128748.2 | 183122.1 | S |
| 100.358 | 0.0000 | 0.0000 | 83.139 | 0.04503 | 0.00000 | 319537.6 | 128749.6 | 183122.1 | S |
| 100.367 | 0.0000 | 0.0000 | 83.139 | 0.04502 | 0.00000 | 319537.6 | 128750.9 | 183122.1 | S |
| 100.375 | 0.0000 | 0.0000 | 83.139 | 0.04501 | 0.00000 | 319537.6 | 128752.3 | 183122.1 | S |
| 100.383 | 0.0000 | 0.0000 | 83.138 | 0.04501 | 0.00000 | 319537.6 | 128753.6 | 183122.1 | S |
| 100.392 | 0.0000 | 0.0000 | 83.138 | 0.04500 | 0.00000 | 319537.6 | 128755.0 | 183122.1 | S |
| 100.400 | 0.0000 | 0.0000 | 83.138 | 0.04499 | 0.00000 | 319537.6 | 128756.3 | 183122.1 | S |
| 100.408 | 0.0000 | 0.0000 | 83.138 | 0.04499 | 0.00000 | 319537.6 | 128757.7 | 183122.1 | S |
| 100.417 | 0.0000 | 0.0000 | 83.138 | 0.04498 | 0.00000 | 319537.6 | 128759.0 | 183122.1 | S |
| 100.425 | 0.0000 | 0.0000 | 83.137 | 0.04497 | 0.00000 | 319537.6 | 128760.4 | 183122.1 | S |
| 100.433 | 0.0000 | 0.0000 | 83.137 | 0.04497 | 0.00000 | 319537.6 | 128761.7 | 183122.1 | S |
| 100.442 | 0.0000 | 0.0000 | 83.137 | 0.04496 | 0.00000 | 319537.6 | 128763.1 | 183122.1 | S |
| 100.450 | 0.0000 | 0.0000 | 83.137 | 0.04495 | 0.00000 | 319537.6 | 128764.4 | 183122.1 | S |
| 100.458 | 0.0000 | 0.0000 | 83.137 | 0.04495 | 0.00000 | 319537.6 | 128765.8 | 183122.1 | S |
| 100.467 | 0.0000 | 0.0000 | 83.137 | 0.04494 | 0.00000 | 319537.6 | 128767.1 | 183122.1 | S |
| 100.475 | 0.0000 | 0.0000 | 83.136 | 0.04493 | 0.00000 | 319537.6 | 128768.5 | 183122.1 | S |
| 100.483 | 0.0000 | 0.0000 | 83.136 | 0.04493 | 0.00000 | 319537.6 | 128769.8 | 183122.1 | S |
| 100.492 | 0.0000 | 0.0000 | 83.136 | 0.04492 | 0.00000 | 319537.6 | 128771.2 | 183122.1 | S |
| 100.500 | 0.0000 | 0.0000 | 83.136 | 0.04491 | 0.00000 | 319537.6 | 128772.5 | 183122.1 | S |
| 100.508 | 0.0000 | 0.0000 | 83.136 | 0.04491 | 0.00000 | 319537.6 | 128773.9 | 183122.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario $1::$ pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | Inflow Rate (ftiss) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 100.517 | 0.0000 | 0.0000 | 83.136 | 0.04490 | 0.00000 | 319537.6 | 128775.2 | 183122.1 | S |
| 100.525 | 0.0000 | 0.0000 | 83.135 | 0.04489 | 0.00000 | 319537.6 | 128776.6 | 183122.1 | S |
| 100.533 | 0.0000 | 0.0000 | 83.135 | 0.04489 | 0.00000 | 319537.6 | 128777.9 | 183122.1 | S |
| 100.542 | 0.0000 | 0.0000 | 83.135 | 0.04488 | 0.00000 | 319537.6 | 128779.3 | 183122.1 | S |
| 100.550 | 0.0000 | 0.0000 | 83.135 | 0.04487 | 0.00000 | 319537.6 | 128780.6 | 183122.1 | S |
| 100.558 | 0.0000 | 0.0000 | 83.135 | 0.04487 | 0.00000 | 319537.6 | 128782.0 | 183122.1 | S |
| 100.567 | 0.0000 | 0.0000 | 83.135 | 0.04486 | 0.00000 | 319537.6 | 128783.3 | 183122.1 | S |
| 100.575 | 0.0000 | 0.0000 | 83.134 | 0.04485 | 0.00000 | 319537.6 | 128784.6 | 183122.1 | S |
| 100.583 | 0.0000 | 0.0000 | 83.134 | 0.04485 | 0.00000 | 319537.6 | 128786.0 | 183122.1 | S |
| 100.592 | 0.0000 | 0.0000 | 83.134 | 0.04484 | 0.00000 | 319537.6 | 128787.3 | 183122.1 | S |
| 100.600 | 0.0000 | 0.0000 | 83.134 | 0.04483 | 0.00000 | 319537.6 | 128788.7 | 183122.1 | S |
| 100.608 | 0.0000 | 0.0000 | 83.134 | 0.04483 | 0.00000 | 319537.6 | 128790.0 | 183122.1 | S |
| 100.617 | 0.0000 | 0.0000 | 83.133 | 0.04482 | 0.00000 | 319537.6 | 128791.4 | 183122.4 | S |
| 100.625 | 0.0000 | 0.0000 | 83.133 | 0.04481 | 0.00000 | 319537.6 | 128792.7 | 183122.1 | S |
| 100.633 | 0.0000 | 0.0000 | 83.133 | 0.04481 | 0.00000 | 319537.6 | 128794.1 | 183122.1 | S |
| 100.642 | 0.0000 | 0.0000 | 83.133 | 0.04480 | 0.00000 | 319537.6 | 128795.4 | 183122.1 | S |
| 100.650 | 0.0000 | 0.0000 | 83.133 | 0.04479 | 0.00000 | 319537.6 | 128796.7 | 183122.1 | S |
| 100.658 | 0.0000 | 0.0000 | 83.133 | 0.04479 | 0.00000 | 319537.6 | 128798.1 | 183122.1 | S |
| 100.667 | 0.0000 | 0.0000 | 83.132 | 0.04478 | 0.00000 | 319537.6 | 128799.4 | $183 \ddagger 22.1$ | S |
| 100.675 | 0.0000 | 0.0000 | 83.132 | 0.04477 | 0.00000 | 319537.6 | 128800.8 | 183122.1 | S |
| 100.683 | 0.0000 | 0.0000 | 83.132 | 0.04477 | 0.00000 | 319537.6 | 128802.1 | 183122.1 | S |
| 100.692 | 0.0000 | 0.0000 | 83.132 | 0.04476 | 0.00000 | 319537.6 | 128803.5 | 183122.1 | S |
| 100.700 | 0.0000 | 0.0000 | 83.132 | 0.04475 | 0.00000 | 319537.6 | 128804.8 | 183122.1 | S |
| 100.708 | 0.0000 | 0.0000 | 83.132 | 0.04475 | 0.00000 | 319537.6 | 128806.1 | 183122.1 | S |
| 100.717 | 0.0000 | 0.0000 | 83.131 | 0.04474 | 0.00000 | 319537.6 | 128807.5 | 183122.1 | S |
| 100.725 | 0.0000 | 0.0000 | 83.131 | 0.04473 | 0.00000 | 319537.6 | 128808.8 | 183122.1 | S |
| 100.733 | 0.0000 | 0.0000 | 83.131 | 0.04473 | 0.00000 | 319537.6 | 128810.2 | 183122.1 | S |
| 100.742 | 0.0000 | 0.0000 | 83.131 | 0.04472 | 0.00000 | 319537.6 | 128811.5 | 183122.1 | S |
| 100.750 | 0.0000 | 0.0000 | 83.131 | 0.04471 | 0.00000 | 319537.6 | 128812.9 | 183122.1 | S |
| 100.758 | 0.0000 | 0.0000 | 83.131 | 0.04471 | 0.00000 | 319537.6 | 128814.2 | 183122.1 | S |
| 100.767 | 0.0000 | 0.0000 | 83.130 | 0.04470 | 0.00000 | 319537.6 | 128815.5 | 183122.1 | S |
| 100.775 | 0.0000 | 0.0000 | 83.130 | 0.04469 | 0.00000 | 319537.6 | 128816.9 | 183122.1 | S |
| 100.783 | 0.0000 | 0.0000 | 83.130 | 0.04469 | 0.00000 | 319537.6 | 128818.2 | 183122.1 | S |
| 100.792 | 0.0000 | 0.0000 | 83.130 | 0.04468 | 0.00000 | 319537.6 | 128819.6 | 183122.1 | S |
| 100.800 | 0.0000 | 0.0000 | 83.130 | 0.04467 | 0.00000 | 319537.6 | 128820.9 | 183122.1 | S |
| 100.808 | 0.0000 | 0.0000 | 83.129 | 0.04467 | 0.00000 | 319537.6 | 128822.2 | 183122.1 | S |
| 100.817 | 0.0000 | 0.0000 | 83.129 | 0.04466 | 0.00000 | 319537.6 | 128823.6 | 183122.1 | S |
| 100.825 | 0.0000 | 0.0000 | 83.129 | 0.04465 | 0.00000 | 319537.6 | 128824.9 | 183122.1 | S |
| 100.833 | 0.0000 | 0.0000 | 83.129 | 0.04465 | 0.00000 | 319537.6 | 128826.3 | 183122.1 | S |
| 100.842 | 0.0000 | 0.0000 | 83.129 | 0.04464 | 0.00000 | 319537.6 | 128827.6 | 183122.1 | S |
| 100.850 | 0.0000 | 0.0000 | 83.129 | 0.04463 | 0.00000 | 319537.6 | 128828.9 | 183122.1 | S |
| 100.858 | 0.0000 | 0.0000 | 83.128 | 0.04463 | 0.00000 | 319537.6 | 128830.3 | 183122.1 | S |
| 100.867 | 0.0000 | 0.0000 | 83.128 | 0.04462 | 0.00000 | 319537.6 | 128831.6 | 183122.1 | S |
| 100.875 | 0.0000 | 0.0000 | 83.128 | 0.04461 | 0.00000 | 319537.6 | 128833.0 | 183122.1 | S |
| 100.883 | 0.0000 | 0.0000 | 83.128 | 0.04461 | 0.00000 | 319537.6 | 128834.3 | 183122.1 | S |
| 100.892 | 0.0000 | 0.0000 | 83.128 | 0.04460 | 0.00000 | 319537.6 | 128835.6 | 183122.1 | S |
| 100.900 | 0.0000 | 0.0000 | 83.128 | 0.04459 | 0.00000 | 319537.6 | 128837.0 | 183122.1 | S |
| 100.908 | 0.0000 | 0.0000 | 83.127 | 0.04459 | 0.00000 | 319537.6 | 128838.3 | 183122.1 | S |
| 100.917 | 0.0000 | 0.0000 | 83.127 | 0.04458 | 0.00000 | 319537.6 | 128839.6 | 183122.1 | S |
| 100.925 | 0.0000 | 0.0000 | 83.127 | 0.04457 | 0.00000 | 319537.6 | 128841.0 | 183122.1 | S |
| 100.933 | 0.0000 | 0.0000 | 83.127 | 0.04457 | 0.00000 | 319537.6 | 128842.3 | 183122.1 | S |
| 100.942 | 0.0000 | 0.0000 | 83.127 | 0.04456 | 0.00000 | 319537.6 | 128843.6 | 183122.1 | S |
| 100.950 | 0.0000 | 0.0000 | 83.127 | 0.04455 | 0.00000 | 319537.6 | 128845.0 | 183122.1 | S |
| 100.958 | 0.0000 | 0.0000 | 83.126 | 0.04455 | 0.00000 | 319537.6 | 128846.3 | 183122.1 | S |
| 100.967 | 0.0000 | 0.0000 | 83.126 | 0.04454 | 0.00000 | 319537.6 | 128847.7 | 183122.1 | S |
| 100.975 | 0.0000 | 0.0000 | 83.126 | 0.04453 | 0.00000 | 319537.6 | 128849.0 | 183122.1 | S |
| 100.983 | 0.0000 | 0.0000 | 83.126 | 0.04453 | 0.00000 | 319537.6 | 128850.3 | 183122.1 | S |
| 100.992 | 0.0000 | 0.0000 | 83.126 | 0.04452 | 0.00000 | 319537.6 | 128851.7 | 183122.1 | S |
| 101.000 | 0.0000 | 0.0000 | 83.125 | 0.04451 | 0.00000 | 319537.6 | 128853.0 | 183122.1 | S |
| 101.008 | 0.0000 | 0.0000 | 83.125 | 0.04451 | 0.00000 | 319537.6 | 128854.3 | \{83122.1 | S |
| 101.017 | 0.0000 | 0.0000 | 83.125 | 0.04450 | 0.00000 | 319537.6 | 128855.7 | 183122.1 | S |
| 101.025 | 0.0000 | 0.0000 | 83.125 | 0.04449 | 0.00000 | 319537.6 | 128857.0 | 183122.1 | S |
| 101.033 | 0.0000 | 0.0000 | 83.125 | 0.04449 | 0.00000 | 319537.6 | 128858.3 | 183122.1 | S |
| 101.042 | 0.0000 | 0.0000 | 83.125 | 0.04448 | 0.00000 | 319537.6 | 128859.7 | 183122.1 | S |
| 101.050 | 0.0000 | 0.0000 | 83.124 | 0.04447 | 0.00000 | 319537.6 | 128861.0 | 183122.1 | S |
| 101.058 | 0.0000 | 0.0000 | 83.124 | 0.04447 | 0.00000 | 319537.6 | 128862.3 | 183122.1 | S |
| 101.067 | 0.0000 | 0.0000 | 83.124 | 0.04446 | 0.00000 | 319537.6 | 128863.7 | 183122.1 | S |
| 101.075 | 0.0000 | 0.0000 | 83.124 | 0.04445 | 0.00000 | 319537.6 | 128865.0 | 183122.1 | S |
| 101.083 | 0.0000 | 0.0000 | 83.124 | 0.04445 | 0.00000 | 319537.6 | 128866.4 | 183122.1 | S |
| 101.092 | 0.0000 | 0.0000 | 83.124 | 0.04444 | 0.00000 | 319537.6 | 128867.7 | 183122.1 | S |
| 101.100 | 0.0000 | 0.0000 | 83.123 | 0.04443 | 0.00000 | 319537.6 | 128869.0 | 183122.1 | S |
| 101.108 | 0.0000 | 0.0000 | 83.123 | 0.04443 | 0.00000 | 319537.6 | 128870.4 | 183122.1 | S |
| 101.117 | 0.0000 | 0.0000 | 83.123 | 0.04442 | 0.00000 | 319537.6 | 128871.7 | 183122.1 | S |
| 101.125 | 0.0000 | 0.0000 | 83.123 | 0.04441 | 0.00000 | 319537.6 | 128873.0 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont, d.) :. Scenario 1 :: pond10 100 yr $/ 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (fl datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative infow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume (fil$)$ | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | $\begin{aligned} & \text { Flow } \\ & \text { Type } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 101.133 | 0.0000 | 0.0000 | 83.123 | 0.04441 | 0.00000 | 319537.6 | 128874.3 | 183122.1 | S |
| 101.142 | 0.0000 | 0.0000 | 83.123 | 0.04440 | 0.00000 | 319537.6 | 128875.7 | 183122.1 | S |
| 101.150 | 0.0000 | 0.0000 | 83.122 | 0.04439 | 0.00000 | 319537.6 | 128877.0 | 183122.1 | S |
| 101.158 | 0.0000 | 0.0000 | 83.122 | 0.04439 | 0.00000 | 319537.6 | 128878.3 | 183122.1 | S |
| 101.167 | 0.0000 | 0.0000 | 83.122 | 0.04438 | 0.00000 | 319537.6 | 128879.7 | 183122,1 | S |
| 101.175 | 0.0000 | 0.0000 | 83.122 | 0.04437 | 0.00000 | 319537.6 | 128881.0 | 183122.1 | S |
| 101.183 | 0.0000 | 0.0000 | 83.122 | 0.04437 | 0.00000 | 319537.6 | 128882.3 | 183122.1 | S |
| 101.192 | 0.0000 | 0.0000 | 83.121 | 0.04436 | 0.00000 | 319537.6 | 128883.7 | 183122.1 | S |
| 101.200 | 0.0000 | 0.0000 | 83.121 | 0.04435 | 0.00000 | 319537.6 | 128885.0 | 183122.1 | S |
| 101.208 | 0.0000 | 0.0000 | 83.121 | 0.04435 | 0.00000 | 319537.6 | 128886.3 | 183122.1 | S |
| 101.217 | 0.0000 | 0.0000 | 83.124 | 0.04434 | 0.00000 | 319537.6 | 128887.7 | 183122.1 | S |
| 101.225 | 0.0000 | 0.0000 | 83.121 | 0.04434 | 0.00000 | 319537.6 | 128889.0 | 183122.1 | S |
| 101.233 | 0.0000 | 0.0000 | 83.121 | 0.04433 | 0.00000 | 319537.6 | 128890.3 | 183122.1 | S |
| 101.242 | 0.0000 | 0.0000 | 83.120 | 0.04432 | 0.00000 | 319537.6 | 128891.6 | 183122.1 | S |
| 101.250 | 0.0000 | 0.0000 | 83.120 | 0.04432 | 0.00000 | 319537.6 | 128893.0 | 183122.1 | S |
| 101.258 | 0.0000 | 0.0000 | 83.120 | 0.04431 | 0.00000 | 319537.6 | 128894.3 | 183122.1 | S |
| 101.267 | 0.0000 | 0.0000 | 83.120 | 0.04430 | 0.00000 | 319537.6 | 128895.6 | 183122.1 | S |
| 101.275 | 0.0000 | 0.0000 | 83.120 | 0.04430 | 0.00000 | 319537.6 | 128897.0 | 183122.1 | S |
| 101.283 | 0.0000 | 0.0000 | 83.120 | 0.04429 | 0.00000 | 319537.6 | 128898.3 | 183122.1 | S |
| 101.292 | 0.0000 | 0.0000 | 83.119 | 0.04428 | 0.00000 | 319537.6 | 128899.6 | 183122.1 | S |
| 101.300 | 0.0000 | 0.0000 | 83.119 | 0.04428 | 0.00000 | 319537.6 | 128901.0 | 183122.1 | S |
| 101.308 | 0.0000 | 0.0000 | 83.119 | 0.04427 | 0.00000 | 319537.6 | 128902.3 | 183122.1 | S |
| 101.317 | 0.0000 | 0.0000 | 83.119 | 0.04426 | 0.00000 | 319537.6 | 128903.6 | 183122.1 | S |
| 101.325 | 0.0000 | 0.0000 | 83.119 | 0.04426 | 0.00000 | 319537.6 | 128904.9 | 183122.1 | S |
| 101.333 | 0.0000 | 0.0000 | 83.119 | 0.04425 | 0.00000 | 319537.6 | 128906.3 | 183122.1 | S |
| 101.342 | 0.0000 | 0.0000 | 83.118 | 0.04424 | 0.00000 | 319537.6 | 128907.6 | 183122.1 | S |
| 101.350 | 0.0000 | 0.0000 | 83.118 | 0.04424 | 0.00000 | 319537.6 | 128908.9 | 183122.1 | S |
| 101.358 | 0.0000 | 0.0000 | 83.118 | 0.04423 | 0.00000 | 319537.6 | 128910.2 | 183122.1 | S |
| 101.367 | 0.0000 | 0.0000 | 83.118 | 0.04422 | 0.00000 | 319537.6 | 128911.6 | 183122.1 | S |
| 101.375 | 0.0000 | 0.0000 | 83.118 | 0.04422 | 0.00000 | 319537.6 | 128912.9 | 183122.1 | S |
| 101.383 | 0.0000 | 0.0000 | 83.118 | 0.04421 | 0.00000 | 319537.6 | 128914.2 | 183122.1 | S |
| 101.392 | 0.0000 | 0.0000 | 83.117 | 0.04420 | 0.00000 | 319537.6 | 128915.5 | 183122.1 | S |
| 101.400 | 0.0000 | 0.0000 | 83.117 | 0.04420 | 0.00000 | 319537.6 | 128916.9 | 183122.1 | S |
| 101.408 | 0.0000 | 0.0000 | 83.117 | 0.04419 | 0.00000 | 319537.6 | 128918.2 | 183122.1 | S |
| 101.417 | 0.0000 | 0.0000 | 83.117 | 0.04418 | 0.00000 | 319537.6 | 128919.5 | 183122.1 | S |
| 101.425 | 0.0000 | 0.0000 | 83.117 | 0.04418 | 0.00000 | 319537.6 | 128920.9 | 183122.1 | S |
| 101.433 | 0.0000 | 0.0000 | 83.116 | 0.04417 | 0.00000 | 319537.6 | 128922.2 | 183122.1 | S |
| 101.442 | 0.0000 | 0.0000 | 83.116 | 0.04416 | 0.00000 | 319537.6 | 128923.5 | 183122.1 | S |
| 101.450 | 0.0000 | 0.0000 | 83.116 | 0.04416 | 0.00000 | 319537.6 | 128924.8 | 183122.1 | S |
| 101.458 | 0.0000 | 0.0000 | 83.116 | 0.04415 | 0.00000 | 319537.6 | 128926.2 | 183122.1 | S |
| 101.467 | 0.0000 | 0.0000 | 83.116 | 0.04415 | 0.00000 | 319537.6 | 128927.5 | 183122.1 | S |
| 101.475 | 0.0000 | 0.0000 | 83.116 | 0.04414 | 0.00000 | 319537.6 | 128928.8 | 183122.1 | S |
| 101.483 | 0.0000 | 0.0000 | 83.115 | 0.04413 | 0.00000 | 319537.6 | 128930.1 | 183122.1 | S |
| 101.492 | 0.0000 | 0.0000 | 83.115 | 0.04413 | 0.00000 | 319537.6 | 128931.4 | 183122.1 | S |
| 101.500 | 0.0000 | 0.0000 | 83.115 | 0.04412 | 0.00000 | 319537.6 | 128932.8 | 183122.1 | S |
| 101.508 | 0.0000 | 0.0000 | 83.115 | 0.04411 | 0.00000 | 319537.6 | 128934.1 | 183122.1 | S |
| 101.517 | 0.0000 | 0.0000 | 83.115 | 0.04411 | 0.00000 | 319537.6 | 128935.4 | 183122.1 | S |
| 101.525 | 0.0000 | 0.0000 | 83.115 | 0.04410 | 0.00000 | 319537.6 | 128936.7 | 183122.1 | S |
| 101.533 | 0.0000 | 0.0000 | 83.114 | 0.04409 | 0.00000 | 319537.6 | 128938.1 | 183122.1 | S |
| 101.542 | 0.0000 | 0.0000 | 83.114 | 0.04409 | 0.00000 | 319537.6 | 128939.4 | 183122.1 | S |
| 101.550 | 0.0000 | 0.0000 | 83.114 | 0.04408 | 0.00000 | 319537.6 | 128940.7 | $183 \ddagger 22.1$ | S |
| 101.558 | 0.0000 | 0.0000 | 83.114 | 0.04407 | 0.00000 | 319537.6 | 128942.0 | 183122.1 | S |
| 101.567 | 0.0000 | 0.0000 | 83.114 | 0.04407 | 0.00000 | 319537.6 | 128943.4 | 183122.1 | S |
| 101.575 | 0.0000 | 0.0000 | 83.114 | 0.04406 | 0.00000 | 319537.6 | 128944.7 | 183122.1 | S |
| 101.583 | 0.0000 | 0.0000 | 83.113 | 0.04405 | 0.00000 | 319537.6 | 128946.0 | 183122.1 | S |
| 101.592 | 0.0000 | 0.0000 | 83.113 | 0.04405 | 0.00000 | 319537.6 | 128947.3 | 183122.1 | S |
| 101.600 | 0.0000 | 0.0000 | 83.113 | 0.04404 | 0.00000 | 319537.6 | 128948.6 | 183122.1 | S |
| 101.608 | 0.0000 | 0.0000 | 83.113 | 0.04403 | 0.00000 | 319537.6 | 128950.0 | 183122.1 | S |
| 101.617 | 0.0000 | 0.0000 | 83.113 | 0.04403 | 0.00000 | 319537.6 | 128951.3 | 183122.1 | S |
| 101.625 | 0.0000 | 0.0000 | 83.113 | 0.04402 | 0.00000 | 319537.6 | 128952.6 | 183122.1 | S |
| 101.633 | 0.0000 | 0.0000 | 83.112 | 0.04402 | 0.00000 | 319537.6 | 128953.9 | \$83122.1 | S |
| 101.642 | 0.0000 | 0.0000 | 83.112 | 0.04401 | 0.00000 | 319537.6 | 128955.2 | 183122.1 | S |
| 101.650 | 0.0000 | 0.0000 | 83.112 | 0.04400 | 0.00000 | 319537.6 | 128956.6 | 183122.1 | S |
| 101.658 | 0.0000 | 0.0000 | 83.112 | 0.04400 | 0.00000 | 319537.6 | 128957.9 | 183122.1 | S |
| 101.667 | 0.0000 | 0.0000 | 83.112 | 0.04399 | 0.00000 | 319537.6 | 128959.2 | 183122.1 | S |
| 101.675 | 0.0000 | 0.0000 | 83.111 | 0.04398 | 0.00000 | 319537.6 | 128960.5 | 183122.1 | S |
| 101.683 | 0.0000 | 0.0000 | 83.111 | 0.04398 | 0.00000 | 319537.6 | 128961.8 | 183122.1 | S |
| 101.692 | 0.0000 | 0.0000 | 83.111 | 0.04397 | 0.00000 | 319537.6 | 128963.2 | 183122.1 | S |
| 101.700 | 0.0000 | 0.0000 | 83.111 | 0.04396 | 0.00000 | 319537.6 | 128964.5 | 183122.1 | S |
| 101.708 | 0.0000 | 0.0000 | 83.111 | 0.04396 | 0.00000 | 3 19537.6 | 128965.8 | 183122.1 | S |
| 101.717 | 0.0000 | 0.0000 | 83.111 | 0.04395 | 0.00000 | 319537.6 | 128967.1 | 183122.1 | S |
| 101.725 | 0.0000 | 0.0000 | 83.110 | 0.04394 | 0.00000 | 319537.6 | 128968.4 | 183722.1 | S |
| 101.733 | 0.0000 | 0.0000 | 83.110 | 0.04394 | 0.00000 | 319537.6 | 128969.8 | 183122.1 | S |
| 101.742 | 0.0000 | 0.0000 | 83.110 | 0.04393 | 0.00000 | 319537.6 | 128971.1 | 183122.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario $1::$ pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume $\left(\mathrm{ft}^{3}\right)$ | Cumulative Infiltration Volume (fis) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 101.750 | 0.0000 | 0.0000 | 83.110 | 0.04392 | 0.00000 | 319537.6 | 128972.4 | 183122.1 | S |
| 101.758 | 0.0000 | 0.0000 | 83.110 | 0.04392 | 0.00000 | 319537.6 | 128973.7 | 183122.1 | S |
| 101.767 | 0.0000 | 0.0000 | 83.110 | 0.04391 | 0.00000 | 319537.6 | 128975.0 | 183122.1 | S |
| 101.775 | 0.0000 | 0.0000 | 83.109 | 0.04390 | 0.00000 | 319537.6 | 128976.3 | 183122.1 | S |
| 101.783 | 0.0000 | 0.0000 | 83.109 | 0.04390 | 0.00000 | 319537.6 | 128977.7 | 183122.1 | S |
| 101.792 | 0.0000 | 0.0000 | 83.109 | 0.04389 | 0.00000 | 319537.6 | 128979.0 | 183122.1 | S |
| 101.800 | 0.0000 | 0.0000 | 83.109 | 0.04389 | 0.00000 | 319537.6 | 128980.3 | 183122.1 | S |
| 101.808 | 0.0000 | 0.0000 | 83.109 | 0.04388 | 0.00000 | 319537.6 | 128981.6 | 183122.1 | S |
| 101.817 | 0.0000 | 0.0000 | 83.109 | 0.04387 | 0.00000 | 319537.6 | 128982.9 | 183122.1 | S |
| 101.825 | 0.0000 | 0.0000 | 83.108 | 0.04387 | 0.00000 | 319537.6 | 128984.2 | 183122.1 | S |
| 101.833 | 0.0000 | 0.0000 | 83.108 | 0.04386 | 0.00000 | 319537.6 | 128985.6 | 183122.1 | S |
| 101.842 | 0.0000 | 0.0000 | 83.108 | 0.04385 | 0.00000 | 319537.6 | 128986.9 | 183122.1 | S |
| 101.850 | 0.0000 | 0.0000 | 83.108 | 0.04385 | 0.00000 | 319537.6 | 128988.2 | 183122.1 | S |
| 101.858 | 0.0000 | 0.0000 | 83.108 | 0.04384 | 0.00000 | 319537.6 | 128989.5 | 183122.1 | S |
| 101.867 | 0.0000 | 0.0000 | 83.108 | 0.04383 | 0.00000 | 319537.6 | 128990.8 | 183122.1 | S |
| 101.875 | 0.0000 | 0.0000 | 83.107 | 0.04383 | 0.00000 | 319537.6 | 128992.1 | 183122. ${ }^{\text {a }}$ | S |
| 101.883 | 0.0000 | 0.0000 | 83.107 | 0.04382 | 0.00000 | 319537.6 | 128993.5 | 183122.1 | S |
| 101.892 | 0.0000 | 0.0000 | 83.107 | 0.04381 | 0.00000 | 319537.6 | 128994.8 | 183122.1 | S |
| 101.900 | 0.0000 | 0.0000 | 83.107 | 0.04381 | 0.00000 | 319537.6 | 128996.1 | 183122.1 | S |
| 101.908 | 0.0000 | 0.0000 | 83.107 | 0.04380 | 0.00000 | 319537.6 | 128997.4 | 183122.1 | S |
| 101.917 | 0.0000 | 0.0000 | 83.107 | 0.04380 | 0.00000 | 319537.6 | 128998.7 | 183122.1 | S |
| 101.925 | 0.0000 | 0.0000 | 83.106 | 0.04379 | 0.00000 | 319537.6 | 129000.0 | 183122.1 | S |
| 101.933 | 0.0000 | 0.0000 | 83.106 | 0.04378 | 0.00000 | 319537.6 | 129001.3 | 183122.1 | S |
| 101.942 | 0.0000 | 0.0000 | 83.106 | 0.04378 | 0.00000 | 319537.6 | 129002.6 | 183122.1 | S |
| 101.950 | 0.0000 | 0.0000 | 83.106 | 0.04377 | 0.00000 | 319537.6 | 129004.0 | 183122.1 | S |
| 101.958 | 0.0000 | 0.0000 | 83.106 | 0.04376 | 0.00000 | 319537.6 | 129005.3 | 183122.1 | S |
| 101.967 | 0.0000 | 0.0000 | 83.105 | 0.04376 | 0.00000 | 319537.6 | 129006.6 | 183122.1 | S |
| 101.975 | 0.0000 | 0.0000 | 83.105 | 0.04375 | 0.00000 | 319537.6 | 129007.9 | 183122.1 | S |
| 101.983 | 0.0000 | 0.0000 | 83.105 | 0.04374 | 0.00000 | 319537.6 | 129009.2 | 183122.1 | S |
| 101.992 | 0.0000 | 0.0000 | 83.105 | 0.04374 | 0.00000 | 319537.6 | 129010.5 | 183122.1 | S |
| 102.000 | 0.0000 | 0.0000 | 83.105 | 0.04373 | 0.00000 | 319537.6 | 129011.8 | 183122.1 | S |
| 102.008 | 0.0000 | 0.0000 | 83.105 | 0.04372 | 0.00000 | 319537.6 | 129013.1 | 183122.1 | S |
| 102.017 | 0.0000 | 0.0000 | 83.104 | 0.04372 | 0.00000 | 319537.6 | 129014.5 | 183122.1 | S |
| 102.025 | 0.0000 | 0.0000 | 83.104 | 0.04371 | 0.00000 | 319537.6 | 129015.8 | 183122.1 | S |
| 102.033 | 0.0000 | 0.0000 | 83.104 | 0.04370 | 0.00000 | 319537.6 | 129017.1 | 183122.1 | S |
| 102.042 | 0.0000 | 0.0000 | 83.104 | 0.04370 | 0.00000 | 319537.6 | 129018.4 | 183122.1 | S |
| 102.050 | 0.0000 | 0.0000 | 83.104 | 0.04369 | 0.00000 | 319537.6 | 129019.7 | 183122.1 | S |
| 102.058 | 0.0000 | 0.0000 | 83.104 | 0.04369 | 0.00000 | 319537.6 | 129021.0 | 183122.1 | S |
| 102.067 | 0.0000 | 0.0000 | 83.103 | 0.04368 | 0.00000 | 319537.6 | 129022.3 | 183122.1 | S |
| 102.075 | 0.0000 | 0.0000 | 83.103 | 0.04367 | 0.00000 | 319537.6 | 129023.6 | 183122.1 | S |
| 102.083 | 0.0000 | 0.0000 | 83.103 | 0.04367 | 0.00000 | 319537.6 | 129024.9 | 183122.1 | S |
| 102.092 | 0.0000 | 0.0000 | 83.103 | 0.04366 | 0.00000 | 319537.6 | 129026.3 | 183122.1 | S |
| 102.100 | 0.0000 | 0.0000 | 83.103 | 0.04365 | 0.00000 | 319537.6 | 129027.6 | 183122.1 | S |
| 102.108 | 0.0000 | 0.0000 | 83.103 | 0.04365 | 0.00000 | 319537.6 | 129028.9 | 183122.1 | S |
| 102.717 | 0.0000 | 0.0000 | 83.102 | 0.04364 | 0.00000 | 319537.6 | 129030.2 | 183122.1 | S |
| 102.125 | 0.0000 | 0.0000 | 83.102 | 0.04363 | 0.00000 | 319537.6 | 129031.5 | 183122.1 | S |
| 102.133 | 0.0000 | 0.0000 | 83.102 | 0.04363 | 0.00000 | 319537.6 | 129032.8 | 183122.1 | S |
| 102.142 | 0.0000 | 0.0000 | 83.102 | 0.04362 | 0.00000 | 319537.6 | 129034.1 | 183122.1 | S |
| 102.150 | 0.0000 | 0.0000 | 83.102 | 0.04361 | 0.00000 | 319537.6 | 129035.4 | 183122.1 | S |
| 102.158 | 0.0000 | 0.0000 | 83.102 | 0.04361 | 0.00000 | 319537.6 | 129036.7 | 183122.1 | S |
| 102.167 | 0.0000 | 0.0000 | 83.101 | 0.04360 | 0.00000 | 319537.6 | 129038.0 | 183122.1 | S |
| 102.175 | 0.0000 | 0.0000 | 83.101 | 0.04360 | 0.00000 | 319537.6 | 129039.3 | 183122.1 | S |
| 102.183 | 0.0000 | 0.0000 | 83.101 | 0.04359 | 0.00000 | 319537.6 | 129040.7 | $\{83122.1$ | S |
| 102.192 | 0.0000 | 0.0000 | 83.101 | 0.04358 | 0.00000 | 319537.6 | 129042.0 | 183122.1 | S |
| 102.200 | 0.0000 | 0.0000 | 83.101 | 0.04358 | 0.00000 | 319537.6 | 129043.3 | 183122.1 | S |
| 102.208 | 0.0000 | 0.0000 | 83.101 | 0.04357 | 0.00000 | 319537.6 | 129044.6 | 183122.1 | S |
| 102.217 | 0.0000 | 0.0000 | 83.100 | 0.04356 | 0.00000 | 319537.6 | 129045.9 | 183122.1 | S |
| 102.225 | 0.0000 | 0.0000 | 83.100 | 0.04356 | 0.00000 | 319537.6 | 129047.2 | 183122.1 | S |
| 102.233 | 0.0000 | 0.0000 | 83.100 | 0.04355 | 0.00000 | 319537.6 | 129048.5 | 183122.1 | S |
| 102.242 | 0.0000 | 0.0000 | 83.100 | 0.04354 | 0.00000 | 319537.6 | 129049.8 | 183122.1 | S |
| 102.250 | 0.0000 | 0.0000 | 83.100 | 0.04354 | 0.00000 | 319537.6 | 129051.1 | 183122.1 | S |
| 102.258 | 0.0000 | 0.0000 | 83.099 | 0.04353 | 0.00000 | 319537.6 | 129052.4 | 183122.1 | S |
| 102.267 | 0.0000 | 0.0000 | 83.099 | 0.04353 | 0.00000 | 3 19537.6 | 129053.7 | 183122.1 | S |
| 102.275 | 0.0000 | 0.0000 | 83.099 | 0.04352 | 0.00000 | 319537.6 | 129055.0 | 183122.1 | S |
| 102.283 | 0.0000 | 0.0000 | 83.099 | 0.04351 | 0.00000 | 319537.6 | 129056.3 | 183122.1 | S |
| 102.292 | 0.0000 | 0.0000 | 83.099 | 0.04351 | 0.00000 | 319537.6 | 129057.6 | 183122.1 | S |
| 102.300 | 0.0000 | 0.0000 | 83.099 | 0.04350 | 0.00000 | 319537.6 | 129058.9 | 183122.1 | S |
| 102.308 | 0.0000 | 0.0000 | 83.098 | 0.04349 | 0.00000 | 319537.6 | 129060.3 | 183122.7 | S |
| 102.317 | 0.0000 | 0.0000 | 83.098 | 0.04349 | 0.00000 | 319537.6 | 129061.6 | 183122.1 | S |
| 102.325 | 0.0000 | 0.0000 | 83.098 | 0.04348 | 0.00000 | 319537.6 | 129062.9 | 183122.1 | S |
| 102.333 | 0.0000 | 0.0000 | 83.098 | 0.04347 | 0.00000 | 319537.6 | \{29064.2 | 183122.1 | S |
| 102.342 | 0.0000 | 0.0000 | 83.098 | 0.04347 | 0.00000 | 319537.6 | 129065.5 | 183122.1 | S |
| 102.350 | 0.0000 | 0.0000 | 83.098 | 0.04346 | 0.00000 | 319537.6 | 129066.8 | 183122.1 | S |
| 102.358 | 0.0000 | 0.0000 | 83.097 | 0.04346 | 0.00000 | 319537.6 | 129068.1 | 183122.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr $/ 24 \mathrm{Hr}$ routing w/overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Outside Recharge (fiday) | Stage Elevation (ft datum) | Enfiltration Rate ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infitration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 102.367 | 0.0000 | 0.0000 | 83.097 | 0.04345 | 0.00000 | 319537.6 | 129069.4 | 183122.1 | S |
| 102.375 | 0.0000 | 0.0000 | 83.097 | 0.04344 | 0.00000 | 319537.6 | 129070.7 | 183122.1 | S |
| 102.383 | 0.0000 | 0.0000 | 83.097 | 0.04344 | 0.00000 | 319537.6 | 129072.0 | 183122.1 | S |
| 102.392 | 0.0000 | 0.0000 | 83.097 | 0.04343 | 0.00000 | 319537.6 | 129073.3 | 183122.1 | S |
| 102.400 | 0.0000 | 0.0000 | 83.097 | 0.04342 | 0.00000 | 319537.6 | 129074.6 | 183122.1 | S |
| 102.408 | 0.0000 | 0.0000 | 83.096 | 0.04342 | 0.00000 | 319537.6 | 129075.9 | 183122.1 | S |
| 102.417 | 0.0000 | 0.0000 | 83.096 | 0.04341 | 0.00000 | 319537.6 | 129077.2 | 183122.1 | S |
| 102.425 | 0.0000 | 0.0000 | 83.096 | 0.04340 | 0.00000 | 319537.6 | 129078.5 | 183122.1 | S |
| 102.433 | 0.0000 | 0.0000 | 83.096 | 0.04340 | 0.00000 | 319537.6 | 129079.8 | 183122.1 | S |
| 102.442 | 0.0000 | 0.0000 | 83.096 | 0.04339 | 0.00000 | 319537.6 | 129081.1 | 183122.1 | S |
| 102.450 | 0.0000 | 0.0000 | 83.096 | 0.04339 | 0.00000 | 319537.6 | 129082.4 | 183122.1 | S |
| 102.458 | 0.0000 | 0.0000 | 83.095 | 0.04338 | 0.00000 | 319537.6 | 129083.7 | 183122.1 | S |
| 102.467 | 0.0000 | 0.0000 | 83.095 | 0.04337 | 0.00000 | 319537.6 | 129085.0 | 183122.1 | S |
| 102.475 | 0.0000 | 0.0000 | 83.095 | 0.04337 | 0.00000 | 319537.6 | 129086.3 | 183122.1 | S |
| 102.483 | 0.0000 | 0.0000 | 83.095 | 0.04336 | 0.00000 | 319537.6 | 129087.6 | 183122.1 | S |
| 102.492 | 0.0000 | 0.0000 | 83.095 | 0.04335 | 0.00000 | 319537.6 | 129088.9 | 183122.1 | S |
| 102.500 | 0.0000 | 0.0000 | 83.095 | 0.04335 | 0.00000 | 319537.6 | 129090.2 | 183122.1 | S |
| 102.508 | 0.0000 | 0.0000 | 83.094 | 0.04334 | 0.00000 | 319537.6 | 129091.5 | 183122.1 | S |
| 102.517 | 0.0000 | 0.0000 | 83.094 | 0.04333 | 0.00000 | 319537.6 | 129092.8 | 183122.1 | S |
| 102.525 | 0.0000 | 0.0000 | 83.094 | 0.04333 | 0.00000 | 319537.6 | 129094.1 | 183122.1 | S |
| 102.533 | 0.0000 | 0.0000 | 83.094 | 0.04332 | 0.00000 | 319537.6 | 129095.4 | 183122.1 | S |
| 102.542 | 0.0000 | 0.0000 | 83.094 | 0.04332 | 0.00000 | 319537.6 | 129096.7 | 183122.1 | S |
| 102.550 | 0.0000 | 0.0000 | 83.094 | 0.04331 | 0.00000 | 319537.6 | 129098.0 | 183122.1 | S |
| 102.558 | 0.0000 | 0.0000 | 83.093 | 0.04330 | 0.00000 | 319537.6 | 129099.3 | 183122.1 | S |
| 102.567 | 0.0000 | 0.0000 | 83.093 | 0.04330 | 0.00000 | 319537.6 | 129100.6 | 183122.1 | S |
| 102.575 | 0.0000 | 0.0000 | 83.093 | 0.04329 | 0.00000 | 319537.6 | 129101.9 | 183122.1 | S |
| 102.583 | 0.0000 | 0.0000 | 83.093 | 0.04328 | 0.00000 | 319537.6 | 129103.2 | 183122.1 | S |
| 102.592 | 0.0000 | 0.0000 | 83.093 | 0.04328 | 0.00000 | 319537.6 | 129104.5 | 183122.1 | S |
| 102.600 | 0.0000 | 0.0000 | 83.093 | 0.04327 | 0.00000 | 319537.6 | 129105.8 | 183122.1 | S |
| 102.608 | 0.0000 | 0.0000 | 83.092 | 0.04328 | 0.00000 | 319537.6 | 129107.1 | 183122.1 | S |
| 102.617 | 0.0000 | 0.0000 | 83.092 | 0.04326 | 0.00000 | 319537.6 | 129108.4 | 183122.1 | S |
| 102.625 | 0.0000 | 0.0000 | 83.092 | 0.04325 | 0.00000 | 319537.6 | 129109.7 | 183122.1 | S |
| 102.633 | 0.0000 | 0.0000 | 83.092 | 0.04325 | 0.00000 | 319537.6 | 129111.0 | 183122.1 | S |
| 102.642 | 0.0000 | 0.0000 | 83.092 | 0.04324 | 0.00000 | 319537.6 | 129112.3 | 183122.1 | S |
| 102.650 | 0.0000 | 0.0000 | 83.091 | 0.04323 | 0.00000 | 319537.6 | 129113.6 | 183122.1 | S |
| 102.658 | 0.0000 | 0.0000 | 83.091 | 0.04323 | 0.00000 | 319537.6 | 129114.9 | 183122.1 | S |
| 102.667 | 0.0000 | 0.0000 | 83.091 | 0.04322 | 0.00000 | 319537.6 | 129116.2 | 183122.1 | S |
| 102.675 | 0.0000 | 0.0000 | 83.091 | 0.04321 | 0.00000 | 319537.6 | 129117.5 | 183122.1 | S |
| 102.683 | 0.0000 | 0.0000 | 83.091 | 0.04321 | 0.00000 | 319537.6 | 129118.8 | 183122.1 | S |
| 102.692 | 0.0000 | 0.0000 | 83.091 | 0.04320 | 0.00000 | 319537.6 | 129120.1 | 183122.1 | S |
| 102.700 | 0.0000 | 0.0000 | 83.090 | 0.04319 | 0.00000 | 319537.6 | 129121.4 | 183122.1 | S |
| 102.708 | 0.0000 | 0.0000 | 83.090 | 0.04319 | 0.00000 | 319537.6 | 129122.7 | 183122.1 | 5 |
| 102.717 | 0.0000 | 0.0000 | 83.090 | 0.04318 | 0.00000 | 319537.6 | 129124.0 | 183122.1 | S |
| 102.725 | 0.0000 | 0.0000 | 83.090 | 0.04318 | 0.00000 | 319537.6 | 129125.3 | 183122.1 | S |
| 102.733 | 0.0000 | 0.0000 | 83.090 | 0.04317 | 0.00000 | 319537.6 | 129126.5 | 183122.1 | S |
| 102.742 | 0.0000 | 0.0000 | 83.090 | 0.04316 | 0.00000 | 319537.6 | 129127.8 | 183122.1 | 5 |
| 102.750 | 0.0000 | 0.0000 | 83.089 | 0.04316 | 0.00000 | 319537.6 | 129129.1 | 183122.1 | S |
| 102.758 | 0.0000 | 0.0000 | 83.089 | 0.04315 | 0.00000 | 319537.6 | 129130.4 | 183122.1 | S |
| 102.767 | 0.0000 | 0.0000 | 83.089 | 0.04314 | 0.00000 | 319537.6 | 129131.7 | 183122.1 | S |
| 102.775 | 0.0000 | 0.0000 | 83.089 | 0.04314 | 0.00000 | 319537.6 | 129133.0 | 183122.1 | S |
| 102.783 | 0.0000 | 0.0000 | 83.089 | 0.04313 | 0.00000 | 319537.6 | 129134.3 | 183122.1 | S |
| 102.792 | 0.0000 | 0.0000 | 83.089 | 0.04313 | 0.00000 | 319537.6 | 129135.6 | 183122.1 | S |
| 102.800 | 0.0000 | 0.0000 | 83.088 | 0.04312 | 0.00000 | 319537.6 | 129136.9 | 183122.1 | S |
| 102.808 | 0.0000 | 0.0000 | 83.088 | 0.04311 | 0.00000 | 319537.6 | 129138.2 | 183122.1 | S |
| 102.817 | 0.0000 | 0.0000 | 83.088 | 0.04311 | 0.00000 | 319537.6 | 129139.5 | 183122.1 | S |
| 102.825 | 0.0000 | 0.0000 | 83.088 | 0.04310 | 0.00000 | 319537.6 | 129140.8 | 183122.1 | S |
| 102.833 | 0.0000 | 0.0000 | 83.088 | 0.04309 | 0.00000 | 319537.6 | 129142.1 | 183122.1 | S |
| 102.842 | 0.0000 | 0.0000 | 83.088 | 0.04309 | 0.00000 | 319537.6 | 129143.4 | 183122.1 | S |
| 102.850 | 0.0000 | 0.0000 | 83.087 | 0.04308 | 0.00000 | 319537.6 | 129144.7 | 183122.1 | S |
| 102.858 | 0.0000 | 0.0000 | 83.087 | 0.04308 | 0.00000 | 319537.6 | 129145.9 | 183122.1 | S |
| 102.867 | 0.0000 | 0.0000 | 83.087 | 0.04307 | 0.00000 | 319537.6 | 129147.2 | 183122.1 | S |
| 102.875 | 0.0000 | 0.0000 | 83.087 | 0.04306 | 0.00000 | 319537.6 | 129148.5 | 183122.1 | S |
| 102.883 | 0.0000 | 0.0000 | 83.087 | 0.04306 | 0.00000 | 319537.6 | 129149.8 | 183122.1 | S |
| 102.892 | 0.0000 | 0.0000 | 83.087 | 0.04305 | 0.00000 | 319537.6 | 129151.1 | 183122.1 | S |
| 102.900 | 0.0000 | 0.0000 | 83.086 | 0.04304 | 0.00000 | 319537.6 | 129152.4 | 183122.1 | S |
| $\uparrow 02.908$ | 0.0000 | 0.0000 | 83.086 | 0.04304 | 0.00000 | 319537.6 | 129153.7 | 183122.1 | S |
| 102.917 | 0.0000 | 0.0000 | 83.086 | 0.04303 | 0.00000 | 319537.6 | 129155.0 | 183122.1 | S |
| 102.925 | 0.0000 | 0.0000 | 83.086 | 0.04302 | 0.00000 | 319537.6 | 129156.3 | 183122.1 | S |
| $\uparrow 02.933$ | 0.0000 | 0.0000 | 83.086 | 0.04302 | 0.00000 | 319537.6 | 129157.6 | 183122.1 | S |
| 102.942 | 0.0000 | 0.0000 | 83.086 | 0.04301 | 0.00000 | 319537.6 | 129158.9 | 183122.1 | S |
| 102.950 | 0.0000 | 0.0000 | 83.085 | 0.04301 | 0.00000 | 319537.6 | 129160.1 | 183122.1 | S |
| 102.958 | 0.0000 | 0.0000 | 83.085 | 0.04300 | 0.00000 | 319537.6 | 129161.4 | 183122.1 | S |
| 102.967 | 0.0000 | 0.0000 | 83.085 | 0.04299 | 0.00000 | 319537.6 | 129162.7 | 183122.1 | S |
| 102.975 | 0.0000 | 0.0000 | 83.085 | 0.04299 | 0.00000 | 319537.6 | 129164.0 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{fl}^{3 /} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | $\begin{aligned} & \text { Flow } \\ & \text { Type } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 102.983 | 0.0000 | 0.0000 | 83.085 | 0.04298 | 0.00000 | 319537.6 | 129165.3 | 183122.1 | S |
| 102.992 | 0.0000 | 0.0000 | 83.085 | 0.04297 | 0.00000 | 319537.6 | 129166.6 | 183122.1 | S |
| 103.000 | 0.0000 | 0.0000 | 83.084 | 0.04297 | 0.00000 | 319537.6 | 129167.9 | 183122.1 | S |
| 103.008 | 0.0000 | 0.0000 | 83.084 | 0.04296 | 0.00000 | 319537.6 | 129169.2 | 183122.1 | S |
| 103.017 | 0.0000 | 0.0000 | 83.084 | 0.04296 | 0.00000 | 319537.6 | 129170.5 | 183122.1 | S |
| 103.025 | 0.0000 | 0.0000 | 83.084 | 0.04295 | 0.00000 | 319537.6 | 129171.8 | 183122.1 | S |
| 103.033 | 0.0000 | 0.0000 | 83.084 | 0.04294 | 0.00000 | 319537.6 | 129173.0 | 183122.1 | S |
| 103.042 | 0.0000 | 0.0000 | 83.084 | 0.04294 | 0.00000 | 319537.6 | 129174.3 | 183122.1 | S |
| 103.050 | 0.0000 | 0.0000 | 83.083 | 0.04293 | 0.00000 | 319537.6 | 129175.6 | 183122.1 | S |
| 103.058 | 0.0000 | 0.0000 | 83.083 | 0.04292 | 0.00000 | 319537.6 | 129176.9 | 183122.1 | S |
| 103.067 | 0.0000 | 0.0000 | 83.083 | 0.04292 | 0.00000 | 319537.6 | 129178.2 | 183122.1 | S |
| 103.075 | 0.0000 | 0.0000 | 83.083 | 0.04291 | 0.00000 | 319537.6 | 129179.5 | 183122.1 | S |
| 103.083 | 0.0000 | 0.0000 | 83.083 | 0.04291 | 0.00000 | 319537.6 | 129180.8 | 183122.1 | S |
| 103.092 | 0.0000 | 0.0000 | 83.083 | 0.04290 | 0.00000 | 319537.6 | 129182.1 | 183122.1 | S |
| 103.100 | 0.0000 | 0.0000 | 83.082 | 0.04289 | 0.00000 | 319537.6 | 129183.3 | 183122.1 | S |
| 103.108 | 0.0000 | 0.0000 | 83.082 | 0.04289 | 0.00000 | 319537.6 | 129184.6 | 183122.1 | S |
| 103.117 | 0.0000 | 0.0000 | 83.082 | 0.04288 | 0.00000 | 319537.6 | 129185.9 | 183122.1 | S |
| 103.125 | 0.0000 | 0.0000 | 83.082 | 0.04287 | 0.00000 | 319537.6 | 129187.2 | 183122.1 | S |
| 103.133 | 0.0000 | 0.0000 | 83.082 | 0.04287 | 0.00000 | 319537.6 | 129188.5 | 183122.1 | S |
| 103.142 | 0.0000 | 0.0000 | 83.081 | 0.04286 | 0.00000 | 319537.6 | 129189.8 | 183122.1 | S |
| 103.150 | 0.0000 | 0.0000 | 83.081 | 0.04286 | 0.00000 | 319537.6 | 129191.7 | 183122.1 | S |
| 103.158 | 0.0000 | 0.0000 | 83.081 | 0.04285 | 0.00000 | 319537.6 | 129192.3 | 183122.1 | S |
| 103.167 | 0.0000 | 0.0000 | 83.081 | 0.04284 | 0.00000 | 319537.6 | 129193.6 | 183122.1 | S |
| 103.175 | 0.0000 | 0.0000 | 83.081 | 0.04284 | 0.00000 | 319537.6 | 129194.9 | 183122.1 | S |
| 103.183 | 0.0000 | 0.0000 | 83.081 | 0.04283 | 0.00000 | 319537.6 | 129196.2 | 183122.1 | S |
| 103.192 | 0.0000 | 0.0000 | 83.080 | 0.04282 | 0.00000 | 319537.6 | 129197.5 | 183122.1 | S |
| 103.200 | 0.0000 | 0.0000 | 83.080 | 0.04282 | 0.00000 | 319537.6 | 129198.8 | 183122.1 | S |
| 103.208 | 0.0000 | 0.0000 | 83.080 | 0.04281 | 0.00000 | 319537.6 | 129200.1 | 183122.1 | S |
| 103.217 | 0.0000 | 0.0000 | 83.080 | 0.04281 | 0.00000 | 319537.6 | 129201.3 | 183122.1 | S |
| 103.225 | 0.0000 | 0.0000 | 83.080 | 0.04280 | 0.00000 | 319537.6 | 129202.6 | 183122.1 | S |
| 103.233 | 0.0000 | 0.0000 | 83.080 | 0.04279 | 0.00000 | 319537.6 | 129203.9 | 183122.1 | S |
| 103.242 | 0.0000 | 0.0000 | 83.079 | 0.04279 | 0.00000 | 319537.6 | 129205.2 | 183122.1 | S |
| 103.250 | 0.0000 | 0.0000 | 83.079 | 0.04278 | 0.00000 | 319537.6 | 129206.5 | 183122.1 | S |
| 103.258 | 0.0000 | 0.0000 | 83.079 | 0.04277 | 0.00000 | 319537.6 | 129207.8 | 183122.1 | S |
| 103.267 | 0.0000 | 0.0000 | 83.079 | 0.04277 | 0.00000 | 319537.6 | 129209.0 | 183122.1 | S |
| 103.275 | 0.0000 | 0.0000 | 83.079 | 0.04276 | 0.00000 | 319537.6 | 129210.3 | 183122.1 | S |
| 103.283 | 0.0000 | 0.0000 | 83.079 | 0.04276 | 0.00000 | 319537.6 | 129211.6 | 183122.1 | S |
| 103.292 | 0.0000 | 0.0000 | 83.078 | 0.04275 | 0.00000 | 319537.6 | 129212.9 | 183122.1 | S |
| 103.300 | 0.0000 | 0.0000 | 83.078 | 0.04274 | 0.00000 | 319537.6 | 129214.2 | 183122.1 | S |
| 103.308 | 0.0000 | 0.0000 | 83.078 | 0.04274 | 0.00000 | 319537.6 | 129215.5 | 183122.1 | S |
| 103.317 | 0.0000 | 0.0000 | 83.078 | 0.04273 | 0.00000 | 319537.6 | 129216.7 | 183122.1 | S |
| 103.325 | 0.0000 | 0.0000 | 83.078 | 0.04272 | 0.00000 | 319537.6 | 129218.0 | 183122.4 | S |
| 103.333 | 0.0000 | 0.0000 | 83.078 | 0.04272 | 0.00000 | 319537.6 | 129219.3 | 183122.1 | S |
| 103.342 | 0.0000 | 0.0000 | 83.077 | 0.04271 | 0.00000 | 319537.6 | 129220.6 | 183122.1 | S |
| 103.350 | 0.0000 | 0.0000 | 83.077 | 0.04271 | 0.00000 | 319537.6 | 129221.9 | 183122.1 | S |
| 103.358 | 0.0000 | 0.0000 | 83.077 | 0.04270 | 0.00000 | 319537.6 | 129223.1 | 183122.1 | S |
| 103.367 | 0.0000 | 0.0000 | 83.077 | 0.04269 | 0.00000 | 319537.6 | 129224.4 | 183122.1 | S |
| 103.375 | 0.0000 | 0.0000 | 83.077 | 0.04269 | 0.00000 | 319537.6 | 129225.7 | 183122.1 | S |
| 103.383 | 0.0000 | 0.0000 | 83.077 | 0.04268 | 0.00000 | 319537.6 | 129227.0 | 183122.1 | S |
| 103.392 | 0.0000 | 0.0000 | 83.076 | 0.04267 | 0.00000 | 319537.6 | 129228.3 | 183122.1 | S |
| 103.400 | 0.0000 | 0.0000 | 83.076 | 0.04267 | 0.00000 | 319537.6 | 129229.5 | 183122.1 | S |
| 103.408 | 0.0000 | 0.0000 | 83.076 | 0.04266 | 0.00000 | 319537.6 | 129230.8 | 183122. 1 | S |
| 103.417 | 0.0000 | 0.0000 | 83.076 | 0.04266 | 0.00000 | 319537.6 | 129232.1 | 183122.1 | S |
| 103.425 | 0.0000 | 0.0000 | 83.076 | 0.04265 | 0.00000 | 319537.6 | 129233.4 | 183122.1 | S |
| 103.433 | 0.0000 | 0.0000 | 83.076 | 0.04264 | 0.00000 | 319537.6 | 129234.7 | 183122.1 | S |
| 103.442 | 0.0000 | 0.0000 | 83.075 | 0.04264 | 0.00000 | 319537.6 | 129235.9 | 183122.1 | S |
| 103.450 | 0.0000 | 0.0000 | 83.075 | 0.04263 | 0.00000 | 319537.6 | 129237.2 | 183122.1 | S |
| 103.458 | 0.0000 | 0.0000 | 83.075 | 0.04263 | 0.00000 | 319537.6 | 129238.5 | 183122.1 | S |
| 103.467 | 0.0000 | 0.0000 | 83.075 | 0.04262 | 0.00000 | 319537.6 | 129239.8 | 183122.1 | S |
| 103.475 | 0.0000 | 0.0000 | 83.075 | 0.04261 | 0.00000 | 319537.6 | 129241.1 | 183122.1 | S |
| 103.483 | 0.0000 | 0.0000 | 83.075 | 0.04261 | 0.00000 | 319537.6 | 129242.3 | 183122.1 | S |
| 103.492 | 0.0000 | 0.0000 | 83.074 | 0.04260 | 0.00000 | 319537.6 | 129243.6 | 183122.1 | S |
| 103.500 | 0.0000 | 0.0000 | 83.074 | 0.04259 | 0.00000 | 319537.6 | 129244.9 | 183122.1 | S |
| 103.508 | 0.0000 | 0.0000 | 83.074 | 0.04259 | 0.00000 | 319537.6 | 129246.2 | 183122.1 | S |
| 103.517 | 0.0000 | 0.0000 | 83.074 | 0.04258 | 0.00000 | 319537.6 | 129247.5 | 183122.1 | S |
| 103.525 | 0.0000 | 0.0000 | 83.074 | 0.04258 | 0.00000 | 319537.6 | 129248.7 | 183122.1 | S |
| 103.533 | 0.0000 | 0.0000 | 83.074 | 0.04257 | 0.00000 | 319537.6 | 129250.0 | 183122.1 | S |
| 103.542 | 0.0000 | 0.0000 | 83.073 | 0.04256 | 0.00000 | 319537.6 | 129251.3 | 183122.1 | S |
| 103.550 | 0.0000 | 0.0000 | 83.073 | 0.04256 | 0.00000 | 319537.6 | 129252.6 | 183122.1 | S |
| 103.558 | 0.0000 | 0.0000 | 83.073 | 0.04255 | 0.00000 | 319537.6 | 129253.8 | 183122.1 | S |
| 103.567 | 0.0000 | 0.0000 | 83.073 | 0.04254 | 0.00000 | 319537.6 | 129255.1 | 183122.1 | S |
| 103.575 | 0.0000 | 0.0000 | 83.073 | 0.04254 | 0.00000 | 319537.6 | 129256.4 | 183122.1 | S |
| 103.583 | 0.0000 | 0.0000 | 83.073 | 0.04253 | 0.00000 | 319537.6 | 129257.7 | \$83122.1 | S |
| 103.592 | 0.0000 | 0.0000 | 83.072 | 0.04253 | 0.00000 | 319537.6 | 129258.9 | 183122.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:: Scenario $1::$ pond10 100 yr $/ 24$ Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (fV/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Discharge Volume (ft ${ }^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 103.600 | 0.0000 | 0.0000 | 83.072 | 0.04252 | 0.00000 | 319537.6 | 129260.2 | 183122.1 | S |
| 103.608 | 0.0000 | 0.0000 | 83.072 | 0.04251 | 0.00000 | 319537.6 | 129261.5 | 183122.1 | S |
| 103.617 | 0.0000 | 0.0000 | 83.072 | 0.04251 | 0.00000 | 319537.6 | 129262.8 | 183122.1 | S |
| 103.625 | 0.0000 | 0.0000 | 83.072 | 0.04250 | 0.00000 | 319537.6 | 129264.0 | 183122.1 | S |
| 103.633 | 0.0000 | 0.0000 | 83.072 | 0.04250 | 0.00000 | 319537.6 | 129265.3 | 183122.1 | S |
| 103.642 | 0.0000 | 0.0000 | 83.071 | 0.04249 | 0.00000 | 319537.6 | 129266.6 | 183122.1 | S |
| 103.650 | 0.0000 | 0.0000 | 83.071 | 0.04248 | 0.00000 | 319537.6 | 129267.9 | 183122.1 | S |
| 103.658 | 0.0000 | 0.0000 | 83.071 | 0.04248 | 0.00000 | 319537.6 | 129269.1 | 183122.1 | S |
| 103.667 | 0.0000 | 0.0000 | 83.071 | 0.04247 | 0.00000 | 319537.6 | 129270.4 | 183122.1 | S |
| 103.675 | 0.0000 | 0.0000 | 83.071 | 0.04246 | 0.00000 | 319537.6 | 129271.7 | 183122.1 | S |
| 103.683 | 0.0000 | 0.0000 | 83.071 | 0.04246 | 0.00000 | 319537.6 | 129273.0 | 183122.1 | S |
| 103.692 | 0.0000 | 0.0000 | 83.070 | 0.04245 | 0.00000 | 319537.6 | 129274.2 | 183122.1 | S |
| 103.700 | 0.0000 | 0.0000 | 83.070 | 0.04245 | 0.00000 | 319537.6 | 129275.5 | 183122.1 | S |
| 103.708 | 0.0000 | 0.0000 | 83.070 | 0.04244 | 0.00000 | 319537.6 | 129276.8 | 183122.1 | S |
| 103.717 | 0.0000 | 0.0000 | 83.070 | 0.04243 | 0.00000 | 319537.6 | 129278.1 | 183122.1 | S |
| 103.725 | 0.0000 | 0.0000 | 83.070 | 0.04243 | 0.00000 | 319537.6 | 129279.3 | 183122.1 | S |
| 103.733 | 0.0000 | 0.0000 | 83.070 | 0.04242 | 0.00000 | 319537.6 | 129280.6 | 183122.1 | S |
| 103.742 | 0.0000 | 0.0000 | 83.069 | 0.04242 | 0.00000 | 319537.6 | 129281.9 | 183122.1 | S |
| 103.750 | 0.0000 | 0.0000 | 83.069 | 0.04241 | 0.00000 | 319537.6 | 129283.1 | 183122.1 | S |
| 103.758 | 0.0000 | 0.0000 | 83.069 | 0.04240 | 0.00000 | 319537.6 | 129284.4 | 183122.1 | S |
| 103.767 | 0.0000 | 0.0000 | 83.069 | 0.04240 | 0.00000 | 319537.6 | 129285.7 | 183122.1 | S |
| 103.775 | 0.0000 | 0.0000 | 83.069 | 0.04239 | 0.00000 | 319537.6 | 129287.0 | 183122.1 | S |
| 103.783 | 0.0000 | 0.0000 | 83.069 | 0.04238 | 0.00000 | 319537.6 | 129288.2 | 183122.1 | S |
| 103.792 | 0.0000 | 0.0000 | 83.068 | 0.04238 | 0.00000 | 319537.6 | 129289.5 | 183122.1 | S |
| 103.800 | 0.0000 | 0.0000 | 83.068 | 0.04237 | 0.00000 | 319537.6 | 129290.8 | 183122.1 | S |
| 103.808 | 0.0000 | 0.0000 | 83.068 | 0.04237 | 0.00000 | 319537.6 | 129292.0 | 183122.1 | S |
| 103.817 | 0.0000 | 0.0000 | 83.068 | 0.04236 | 0.00000 | 319537.6 | 129293.3 | 183122.1 | S |
| 103.825 | 0.0000 | 0.0000 | 83.068 | 0.04235 | 0.00000 | 319537.6 | 129294.6 | 183122.1 | S |
| 103.833 | 0.0000 | 0.0000 | 83.068 | 0.04235 | 0.00000 | 319537.6 | 129295.9 | 183122.1 | S |
| 103.842 | 0.0000 | 0.0000 | 83.067 | 0.04234 | 0.00000 | 319537.6 | 129297.1 | 183122.1 | S |
| 103.850 | 0.0000 | 0.0000 | 83.067 | 0.04234 | 0.00000 | 319537.6 | 129298.4 | 183122.1 | S |
| 103.858 | 0.0000 | 0.0000 | 83.067 | 0.04233 | 0.00000 | 319537.6 | 129299.7 | 183122.1 | S |
| 103.867 | 0.0000 | 0.0000 | 83.067 | 0.04232 | 0.00000 | 319537.6 | 129300.9 | 183122.1 | S |
| 103.875 | 0.0000 | 0.0000 | 83.067 | 0.04232 | 0.00000 | 319537.6 | 129302.2 | 183122.1 | S |
| 103.883 | 0.0000 | 0.0000 | 83.067 | 0.04231 | 0.00000 | 319537.6 | 129303.5 | 183122.1 | S |
| 103.892 | 0.0000 | 0.0000 | 83.066 | 0.04230 | 0.00000 | 319537.6 | 129304.8 | 183122.1 | S |
| 103.900 | 0.0000 | 0.0000 | 83.066 | 0.04230 | 0.00000 | 319537.6 | 129306.0 | 183122.1 | S |
| 103.908 | 0.0000 | 0.0000 | 83.066 | 0.04229 | 0.00000 | 319537.6 | 129307.3 | 183122.1 | S |
| 103.917 | 0.0000 | 0.0000 | 83.066 | 0.04229 | 0.00000 | 319537.6 | 129308.6 | 183122.1 | S |
| 103.925 | 0.0000 | 0.0000 | 83.066 | 0.04228 | 0.00000 | 319537.6 | 129309.8 | 183122.1 | S |
| 103.933 | 0.0000 | 0.0000 | 83.066 | 0.04227 | 0.00000 | 319537.6 | 129311.1 | 183122.1 | S |
| 103.942 | 0.0000 | 0.0000 | 83.065 | 0.04227 | 0.00000 | 319537.6 | 129312.4 | 183122.1 | S |
| 103.950 | 0.0000 | 0.0000 | 83.065 | 0.04226 | 0.00000 | 319537.6 | 129313.6 | 183122.1 | S |
| 103.958 | 0.0000 | 0.0000 | 83.065 | 0.04226 | 0.00000 | 319537.6 | 129314.9 | 183122.1 | S |
| 103.967 | 0.0000 | 0.0000 | 83.065 | 0.04225 | 0.00000 | 319537.6 | 129316.2 | 183122.1 | S |
| 103.975 | 0.0000 | 0.0000 | 83.065 | 0.04224 | 0.00000 | 319537.6 | 129317.4 | 183122.1 | S |
| 103.983 | 0.0000 | 0.0000 | 83.065 | 0.04224 | 0.00000 | 319537.6 | 129318.7 | 183122.1 | S |
| 103.992 | 0.0000 | 0.0000 | 83.064 | 0.04223 | 0.00000 | 319537.6 | 129320.0 | 183122.1 | S |
| 104.000 | 0.0000 | 0.0000 | 83.064 | 0.04223 | 0.00000 | 319537.6 | 129321.2 | 183122.1 | S |
| 104.008 | 0.0000 | 0.0000 | 83.064 | 0.04222 | 0.00000 | 319537.6 | 129322.5 | 183122.1 | S |
| 104.017 | 0.0000 | 0.0000 | 83.064 | 0.04221 | 0.00000 | 319537.6 | 129323.8 | 183122.1 | S |
| 104.025 | 0.0000 | 0.0000 | 83.064 | 0.04221 | 0.00000 | 319537.6 | 129325.0 | 183122.1 | S |
| 104.033 | 0.0000 | 0.0000 | 83.064 | 0.04220 | 0.00000 | 319537.6 | 129326.3 | 183122.7 | S |
| 104.042 | 0.0000 | 0.0000 | 83.063 | 0.04219 | 0.00000 | 319537.6 | 129327.6 | 183122.1 | S |
| 104.050 | 0.0000 | 0.0000 | 83.063 | 0.04219 | 0.00000 | 319537.6 | 129328.8 | 183122.1 | S |
| 104.058 | 0.0000 | 0.0000 | 83.063 | 0.04218 | 0.00000 | 319537.6 | 129330.1 | 183122.1 | S |
| 104.067 | 0.0000 | 0.0000 | 83.063 | 0.04218 | 0.00000 | 319537.6 | 129331.4 | 183122.1 | S |
| 104.075 | 0.0000 | 0.0000 | 83.063 | 0.04217 | 0.00000 | 319537.6 | 129332.6 | 183122.1 | S |
| 104.083 | 0.0000 | 0.0000 | 83.063 | 0.04216 | 0.00000 | 319537.6 | 129333.9 | 183122.1 | S |
| 104.092 | 0.0000 | 0.0000 | 83.062 | 0.04216 | 0.00000 | 319537.6 | 129335.2 | 183122.1 | S |
| 104.100 | 0.0000 | 0.0000 | 83.062 | 0.04215 | 0.00000 | 319537.6 | 129336.4 | 183122.1 | S |
| 104.108 | 0.0000 | 0.0000 | 83.062 | 0.04215 | 0.00000 | 319537.6 | 129337.7 | 183122.1 | S |
| 104.117 | 0.0000 | 0.0000 | 83.062 | 0.04214 | 0.00000 | 319537.6 | 129338.9 | 183122.1 | S |
| 104.125 | 0.0000 | 0.0000 | 83.062 | 0.04213 | 0.00000 | 319537.6 | 129340.2 | 183122.1 | S |
| 104.133 | 0.0000 | 0.0000 | 83.062 | 0.04213 | 0.00000 | 319537.6 | 129341.5 | 183122.1 | S |
| 104.142 | 0.0000 | 0.0000 | 83.061 | 0.04212 | 0.00000 | 319537.6 | 129342.7 | 183122.1 | S |
| 104.150 | 0.0000 | 0.0000 | 83.061 | 0.04212 | 0.00000 | 319537.6 | 129344.0 | 183122.1 | S |
| 104.158 | 0.0000 | 0.0000 | 83.061 | 0.04211 | 0.00000 | 319537.6 | 129345.3 | 183122.1 | S |
| 104.167 | 0.0000 | 0.0000 | 83.061 | 0.04210 | 0.00000 | 319537.6 | 129346.5 | 183122.1 | S |
| 104.175 | 0.0000 | 0.0000 | 83.061 | 0.04210 | 0.00000 | 319537.6 | 129347.8 | 183122.1 | S |
| 104.183 | 0.0000 | 0.0000 | 83.061 | 0.04209 | 0.00000 | 319537.6 | 129349.1 | 183122.1 | S |
| 104.192 | 0.0000 | 0.0000 | 83.060 | 0.04208 | 0.00000 | 319537.6 | 129350.3 | 183122.1 | S |
| 104.200 | 0.0000 | 0.0000 | 83.060 | 0.04208 | 0.00000 | 319537.6 | 129351.6 | 183122.1 | S |
| 104.208 | 0.0000 | 0.0000 | 83.060 | 0.04207 | 0.00000 | 319537.6 | 129352.8 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | infiow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ff}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 104.217 | 0.0000 | 0.0000 | 83.060 | 0.04207 | 0.00000 | 319537.6 | 129354.1 | 183122.1 | S |
| 104.225 | 0.0000 | 0.0000 | 83.060 | 0.04206 | 0.00000 | 319537.6 | 129355.4 | 183122.1 | S |
| 104.233 | 0.0000 | 0.0000 | 83.060 | 0.04205 | 0.00000 | 319537.6 | 129356.6 | 183122.1 | S |
| 104.242 | 0.0000 | 0.0000 | 83.059 | 0.04205 | 0.00000 | 319537.6 | 129357.9 | 183122.1 | S |
| 104.250 | 0.0000 | 0.0000 | 83.059 | 0.04204 | 0.00000 | 319537.6 | 129359.1 | 183122.1 | S |
| 104.258 | 0.0000 | 0.0000 | 83.059 | 0.04204 | 0.00000 | 319537.6 | 129360.4 | 183122.1 | S |
| 104.267 | 0.0000 | 0.0000 | 83.059 | 0.04203 | 0.00000 | 319537.6 | 129361.7 | 183122.1 | S |
| 104.275 | 0.0000 | 0.0000 | 83.059 | 0.04202 | 0.00000 | 319537.6 | 129362.9 | 183122.1 | S |
| 104.283 | 0.0000 | 0.0000 | 83.059 | 0.04202 | 0.00000 | 319537.6 | 129364.2 | 183122.1 | S |
| 104.292 | 0.0000 | 0.0000 | 83.058 | 0.04201 | 0.00000 | 319537.6 | 129365.5 | 183122.1 | S |
| 104.300 | 0.0000 | 0.0000 | 83.058 | 0.04201 | 0.00000 | 319537.6 | 129366.7 | 183122.1 | S |
| 104.308 | 0.0000 | 0.0000 | 83.058 | 0.04200 | 0.00000 | 319537.6 | 129368.0 | 183122.1 | S |
| 104.317 | 0.0000 | 0.0000 | 83.058 | 0.04199 | 0.00000 | 319537.6 | 129369.2 | 183122.1 | S |
| 104.325 | 0.0000 | 0.0000 | 83.058 | 0.04199 | 0.00000 | 319537.6 | 129370.5 | 183122.1 | S |
| 104.333 | 0.0000 | 0.0000 | 83.058 | 0.04198 | 0.00000 | 319537.6 | 129371.8 | 183122.1 | S |
| 104.342 | 0.0000 | 0.0000 | 83.057 | 0.04198 | 0.00000 | 319537.6 | 129373.0 | 183122.1 | S |
| 104.350 | 0.0000 | 0.0000 | 83.057 | 0.04197 | 0.00000 | 319537.6 | 129374.3 | 183122.1 | S |
| 104.358 | 0.0000 | 0.0000 | 83.057 | 0.04196 | 0.00000 | 319537.6 | 129375.5 | 183122.1 | S |
| 104.367 | 0.0000 | 0.0000 | 83.057 | 0.04196 | 0.00000 | 319537.6 | 129376.8 | 183122.1 | S |
| 104.375 | 0.0000 | 0.0000 | 83.057 | 0.04195 | 0.00000 | 319537.6 | 129378.0 | 183122.1 | S |
| 104.383 | 0.0000 | 0.0000 | 83.057 | 0.04195 | 0.00000 | 319537.6 | 129379.3 | 183122.1 | S |
| 104.392 | 0.0000 | 0.0000 | 83.056 | 0.04194 | 0.00000 | 319537.6 | 129380.6 | 183122.1 | S |
| 104.400 | 0.0000 | 0.0000 | 83.056 | 0.04193 | 0.00000 | 319537.6 | 129381.8 | 183722.1 | S |
| 104.408 | 0.0000 | 0.0000 | 83.056 | 0.04193 | 0.00000 | 319537.6 | 129383.1 | 183122.1 | S |
| 104.417 | 0.0000 | 0.0000 | 83.056 | 0.04192 | 0.00000 | 319537.6 | 129384.3 | 183122.1 | S |
| 104.425 | 0.0000 | 0.0000 | 83.056 | 0.04191 | 0.00000 | 319537.6 | 129385.6 | 183122.1 | S |
| 104.433 | 0.0000 | 0.0000 | 83.056 | 0.04191 | 0.00000 | 319537.6 | 129386.9 | 183122.1 | S |
| 104.442 | 0.0000 | 0.0000 | 83.055 | 0.04190 | 0.00000 | 319537.6 | 129388.1 | 183122.1 | S |
| 104.450 | 0.0000 | 0.0000 | 83.055 | 0.04190 | 0.00000 | 319537.6 | 129389.4 | 183122.1 | S |
| 104.458 | 0.0000 | 0.0000 | 83.055 | 0.04189 | 0.00000 | 319537.6 | 129390.6 | 183122.1 | S |
| 104.467 | 0.0000 | 0.0000 | 83.055 | 0.04188 | 0.00000 | 319537.6 | 129391.9 | 183122.1 | S |
| 104.475 | 0.0000 | 0.0000 | 83.055 | 0.04188 | 0.00000 | 319537.6 | 129393.1 | 183122.1 | S |
| 104.483 | 0.0000 | 0.0000 | 83.055 | 0.04187 | 0.00000 | 319537.6 | 129394.4 | 183122.1 | S |
| 104.492 | 0.0000 | 0.0000 | 83.054 | 0.04187 | 0.00000 | 319537.6 | 129395.6 | 183122.1 | S |
| 104.500 | 0.0000 | 0.0000 | 83.054 | 0.04186 | 0.00000 | 319537.6 | 129396.9 | 183122.1 | S |
| 104.508 | 0.0000 | 0.0000 | 83.054 | 0.04185 | 0.00000 | 319537.6 | 129398.2 | 183122.1 | S |
| 104.517 | 0.0000 | 0.0000 | 83.054 | 0.04185 | 0.00000 | 319537.6 | 129399.4 | 183122.1 | S |
| 104.525 | 0.0000 | 0.0000 | 83.054 | 0.04184 | 0.00000 | 319537.6 | 129400.7 | 183122.1 | S |
| 104.533 | 0.0000 | 0.0000 | 83.054 | 0.04184 | 0.00000 | 319537.6 | 129401.9 | 183122.1 | S |
| 104.542 | 0.0000 | 0.0000 | 83.053 | 0.04183 | 0.00000 | 319537.6 | 129403.2 | 183122.1 | S |
| 104.550 | 0.0000 | 0.0000 | 83.053 | 0.04182 | 0.00000 | 319537.6 | 129404.4 | 183122.1 | S |
| 104.558 | 0.0000 | 0.0000 | 83.053 | 0.04182 | 0.00000 | 319537.6 | 129405.7 | 183122.1 | S |
| 104.567 | 0.0000 | 0.0000 | 83.053 | 0.04181 | 0.00000 | 319537.6 | 129406.9 | 183122.1 | S |
| 104.575 | 0.0000 | 0.0000 | 83.053 | 0.04181 | 0.00000 | 319537.6 | 129408.2 | 183122.1 | S |
| 104.583 | 0.0000 | 0.0000 | 83.053 | 0.04180 | 0.00000 | 319537.6 | 129409.5 | 183122.1 | S |
| 104.592 | 0.0000 | 0.0000 | 83.052 | 0.04179 | 0.00000 | 319537.6 | 129410.7 | 183122.1 | S |
| 104.600 | 0.0000 | 0.0000 | 83.052 | 0.04179 | 0.00000 | 319537.6 | 129412.0 | 183122.1 | S |
| 104.608 | 0.0000 | 0.0000 | 83.052 | 0.04178 | 0.00000 | 319537.6 | 129413.2 | 183122.1 | S |
| 104.617 | 0.0000 | 0.0000 | 83.052 | 0.04178 | 0.00000 | 319537.6 | 129414.5 | 183122.1 | S |
| 104.625 | 0.0000 | 0.0000 | 83.052 | 0.04177 | 0.00000 | 319537.6 | 129415.7 | 183122.1 | S |
| 104.633 | 0.0000 | 0.0000 | 83.052 | 0.04176 | 0.00000 | 319537.6 | 129417.0 | 183122.1 | S |
| 104.642 | 0.0000 | 0.0000 | 83.051 | 0.04176 | 0.00000 | 319537.6 | 129418.2 | 183122.1 | S |
| 104.650 | 0.0000 | 0.0000 | 83.051 | 0.04175 | 0.00000 | 319537.6 | 129419.5 | 183122.1 | S |
| 104.658 | 0.0000 | 0.0000 | 83.051 | 0.04175 | 0.00000 | 319537.6 | 129420.7 | 183122.1 | S |
| 104.667 | 0.0000 | 0.0000 | 83.051 | 0.04174 | 0.00000 | 319537.6 | 129422.0 | 183122.1 | S |
| 104.675 | 0.0000 | 0.0000 | 83.051 | 0.04173 | 0.00000 | 319537.6 | 129423.2 | 183122.1 | S |
| 104.683 | 0.0000 | 0.0000 | 83.051 | 0.04173 | 0.00000 | 319537.6 | 129424.5 | 183122.1 | S |
| 104.692 | 0.0000 | 0.0000 | 83.050 | 0.04172 | 0.00000 | 319537.6 | 129425.7 | 183122.1 | S |
| 104.700 | 0.0000 | 0.0000 | 83.050 | 0.04172 | 0.00000 | 319537.6 | 129427.0 | 183122.1 | S |
| 104.708 | 0.0000 | 0.0000 | 83.050 | 0.04171 | 0.00000 | 319537.6 | 129428.3 | 183122.1 | S |
| 104.717 | 0.0000 | 0.0000 | 83.050 | 0.04170 | 0.00000 | 319537.6 | 129429.5 | 183122.1 | S |
| 104.725 | 0.0000 | 0.0000 | 83.050 | 0.04170 | 0.00000 | 319537.6 | 129430.8 | 183122.1 | S |
| 104.733 | 0.0000 | 0.0000 | 83.050 | 0.04169 | 0.00000 | 319537.6 | 129432.0 | 183122.1 | S |
| 104.742 | 0.0000 | 0.0000 | 83.049 | 0.04169 | 0.00000 | 319537.6 | 129433.3 | 183122.1 | S |
| 104.750 | 0.0000 | 0.0000 | 83.049 | 0.04168 | 0.00000 | 319537.6 | 129434.5 | 183122.1 | S |
| 104.758 | 0.0000 | 0.0000 | 83.049 | 0.04167 | 0.00000 | 319537.6 | 129435.8 | 183122.1 | S |
| 104.767 | 0.0000 | 0.0000 | 83.049 | 0.04167 | 0.00000 | 319537.6 | 129437.0 | 183122.1 | S |
| 104.775 | 0.0000 | 0.0000 | 83.049 | 0.04166 | 0.00000 | 319537.6 | 129438.3 | 183122.1 | S |
| 104.783 | 0.0000 | 0.0000 | 83.049 | 0.04166 | 0.00000 | 319537.6 | 129439.5 | 183122.1 | S |
| 104.792 | 0.0000 | 0.0000 | 83.048 | 0.04165 | 0.00000 | 319537.6 | 129440.8 | 183122.1 | S |
| 104.800 | 0.0000 | 0.0000 | 83.048 | 0.04164 | 0.00000 | 319537.6 | 129442.0 | 183122.1 | S |
| 104.808 | 0.0000 | 0.0000 | 83.048 | 0.04164 | 0.00000 | 319537.6 | 129443.3 | 183122.1 | S |
| $\{04.817$ | 0.0000 | 0.0000 | 83.048 | 0.04163 | 0.00000 | 319537.6 | 129444.5 | 183122.1 | S |
| 104.825 | 0.0000 | 0.0000 | 83.048 | 0.04163 | 0.00000 | 319537.6 | 129445.8 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/overflow

| Elapsed Time (hours) | infow <br> Rate <br> ( $\mathrm{f} 3 / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (fl datum) | Infiltration Rate ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{fl}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 104.833 | 0.0000 | 0.0000 | 83.048 | 0.04162 | 0.00000 | 319537.6 | 129447.0 | 183122.1 | S |
| 104.842 | 0.0000 | 0.0000 | 83.047 | 0.04161 | 0.00000 | 319537.6 | 129448.2 | 183122.1 | S |
| 104.850 | 0.0000 | 0.0000 | 83.047 | 0.04161 | 0.00000 | 319537.6 | 129449.5 | 183122.1 | S |
| 104.858 | 0.0000 | 0.0000 | 83.047 | 0.04160 | 0.00000 | 319537.6 | 129450.7 | 183122.1 | S |
| 104.867 | 0.0000 | 0.0000 | 83.047 | 0.04160 | 0.00000 | 319537.6 | 129452.0 | 183122.1 | S |
| 104.875 | 0.0000 | 0.0000 | 83.047 | 0.04159 | 0.00000 | 319537.6 | 129453.2 | 183122.1 | S |
| 104.883 | 0.0000 | 0.0000 | 83.047 | 0.04158 | 0.00000 | 319537.6 | 129454.5 | 183122.1 | S |
| 104.892 | 0.0000 | 0.0000 | 83.046 | 0.04158 | 0.00000 | 319537.6 | 129455.7 | 183122.1 | S |
| 104.900 | 0.0000 | 0.0000 | 83.046 | 0.04157 | 0.00000 | 319537.6 | 129457.0 | 183122.1 | S |
| 104.908 | 0.0000 | 0.0000 | 83.046 | 0.04157 | 0.00000 | 319537.6 | 129458.2 | 183122.1 | S |
| 104.917 | 0.0000 | 0.0000 | 83.046 | 0.04156 | 0.00000 | 319537.6 | 129459.5 | 183122.1 | S |
| 104.925 | 0.0000 | 0.0000 | 83.046 | 0.04155 | 0.00000 | 319537.6 | 129460.7 | 183122.1 | S |
| 104.933 | 0.0000 | 0.0000 | 83.046 | 0.04155 | 0.00000 | 319537.6 | 129462.0 | 183122.1 | S |
| 104.942 | 0.0000 | 0.0000 | 83.045 | 0.04154 | 0.00000 | 319537.6 | 129463.2 | 183122.1 | S |
| 104.950 | 0.0000 | 0.0000 | 83.045 | 0.04154 | 0.00000 | 319537.6 | 129464.5 | 183122.1 | S |
| 104.958 | 0.0000 | 0.0000 | 83.045 | 0.04153 | 0.00000 | 319537.6 | 129465.7 | 183122.1 | S |
| 104.967 | 0.0000 | 0.0000 | 83.045 | 0.04152 | 0.00000 | 319537.6 | 129467.0 | 183122.1 | S |
| 104.975 | 0.0000 | 0.0000 | 83.045 | 0.04152 | 0.00000 | 319537.6 | 129468.2 | 183122.1 | S |
| 104.983 | 0.0000 | 0.0000 | 83.045 | 0.04151 | 0.00000 | 319537.6 | 129469.4 | 183122.1 | S |
| 104.992 | 0.0000 | 0.0000 | 83.044 | 0.04151 | 0.00000 | 319537.6 | 129470.7 | 183122.1 | S |
| 105.000 | 0.0000 | 0.0000 | 83.044 | 0.04150 | 0.00000 | 319537.6 | 129471.9 | 183122.1 | S |
| 105.008 | 0.0000 | 0.0000 | 83.044 | 0.04149 | 0.00000 | 319537.6 | 129473.2 | 183122.1 | S |
| 105.017 | 0.0000 | 0.0000 | 83.044 | 0.04149 | 0.00000 | 319537.6 | 129474.4 | 183122.1 | S |
| 105.025 | 0.0000 | 0.0000 | 83.044 | 0.04148 | 0.00000 | 319537.6 | 129475.7 | 183122.1 | S |
| 105.033 | 0.0000 | 0.0000 | 83.044 | 0.04148 | 0.00000 | 319537.6 | 129476.9 | 183122.1 | S |
| 105.042 | 0.0000 | 0.0000 | 83.043 | 0.04147 | 0.00000 | 319537.6 | 129478.2 | 183122.1 | S |
| 105.050 | 0.0000 | 0.0000 | 83.043 | 0.04146 | 0.00000 | 319537.6 | 129479.4 | 183122.1 | S |
| 105.058 | 0.0000 | 0.0000 | 83.043 | 0.04146 | 0.00000 | 319537.6 | 129480.6 | 183122.1 | S |
| 105.067 | 0.0000 | 0.0000 | 83.043 | 0.04145 | 0.00000 | 319537.6 | 129481.9 | 183122.1 | S |
| 105.075 | 0.0000 | 0.0000 | 83.043 | 0.04145 | 0.00000 | 319537.6 | 129483.1 | 183122.1 | S |
| 105.083 | 0.0000 | 0.0000 | 83.043 | 0.04144 | 0.00000 | 319537.6 | 129484.4 | 183122.1 | S |
| 105.092 | 0.0000 | 0.0000 | 83.042 | 0.04144 | 0.00000 | 319537.6 | 129485.6 | 183122.1 | S |
| 105.100 | 0.0000 | 0.0000 | 83.042 | 0.04143 | 0.00000 | 319537.6 | 129486.9 | 183122.1 | S |
| 105.108 | 0.0000 | 0.0000 | 83.042 | 0.04142 | 0.00000 | 319537.6 | 129488.1 | 183122.1 | S |
| 105.117 | 0.0000 | 0.0000 | 83.042 | 0.04142 | 0.00000 | 319537.6 | 129489.3 | 183122.1 | S |
| 105.125 | 0.0000 | 0.0000 | 83.042 | 0.04141 | 0.00000 | 319537.6 | 129490.6 | 183122.1 | S |
| 105.133 | 0.0000 | 0.0000 | 83.042 | 0.04141 | 0.00000 | 319537.6 | 129491.8 | 183122.1 | S |
| 105.142 | 0.0000 | 0.0000 | 83.041 | 0.04140 | 0.00000 | 319537.6 | 129493.1 | 183122.1 | S |
| 105.150 | 0.0000 | 0.0000 | 83.041 | 0.04139 | 0.00000 | 319537.6 | 129494.3 | 183122.1 | S |
| 105.158 | 0.0000 | 0.0000 | 83.041 | 0.04139 | 0.00000 | 319537.6 | 129495.6 | 183122.1 | S |
| 105.167 | 0.0000 | 0.0000 | 83.041 | 0.04138 | 0.00000 | 319537.6 | 129496.8 | 183122.1 | S |
| 105.175 | 0.0000 | 0.0000 | 83.041 | 0.04138 | 0.00000 | 319537.6 | 129498.0 | 183122.1 | S |
| 105.183 | 0.0000 | 0.0000 | 83.041 | 0.04137 | 0.00000 | 319537.6 | 129499.3 | 183122.1 | S |
| 105.192 | 0.0000 | 0.0000 | 83.040 | 0.04136 | 0.00000 | 319537.6 | 129500.5 | 183122.1 | S |
| 105.200 | 0.0000 | 0.0000 | 83.040 | 0.04136 | 0.00000 | 319537.6 | 129501.8 | 183122.1 | S |
| 105.208 | 0.0000 | 0.0000 | 83.040 | 0.04135 | 0.00000 | 319537.6 | 129503.0 | 183122.1 | S |
| 105.217 | 0.0000 | 0.0000 | 83.040 | 0.04135 | 0.00000 | 319537.6 | 129504.2 | 183122.1 | S |
| 105.225 | 0.0000 | 0.0000 | 83.040 | 0.04134 | 0.00000 | 319537.6 | 129505.5 | 183122.9 | S |
| 105.233 | 0.0000 | 0.0000 | 83.040 | 0.04133 | 0.00000 | 319537.6 | 129506.7 | 183122.1 | S |
| 105.242 | 0.0000 | 0.0000 | 83.039 | 0.04133 | 0.00000 | 319537.6 | 129508.0 | 183122.1 | S |
| 105.250 | 0.0000 | 0.0000 | 83.039 | 0.04132 | 0.00000 | 319537.6 | 129509.2 | 183122.1 | S |
| 105.258 | 0.0000 | 0.0000 | 83.039 | 0.04132 | 0.00000 | 319537.6 | 129510.4 | 183122.1 | S |
| 105.267 | 0.0000 | 0.0000 | 83.039 | 0.04131 | 0.00000 | 319537.6 | 129511.7 | 183122.1 | S |
| 105.275 | 0.0000 | 0.0000 | 83.039 | 0.04130 | 0.00000 | 319537.6 | 129512.9 | 183122.1 | S |
| 105.283 | 0.0000 | 0.0000 | 83.039 | 0.04130 | 0.00000 | 319537.6 | 129514.2 | 183122.1 | S |
| 105.292 | 0.0000 | 0.0000 | 83.039 | 0.04129 | 0.00000 | 319537.6 | 129515.4 | 183122.1 | S |
| 105.300 | 0.0000 | 0.0000 | 83.038 | 0.04129 | 0.00000 | 319537.6 | 129516.6 | 183122.1 | S |
| 105.308 | 0.0000 | 0.0000 | 83.038 | 0.04128 | 0.00000 | 319537.6 | 129517.9 | 183122.1 | S |
| 105.317 | 0.0000 | 0.0000 | 83.038 | 0.04128 | 0.00000 | 319537.6 | 129519.1 | 183122.1 | S |
| 105.325 | 0.0000 | 0.0000 | 83.038 | 0.04127 | 0.00000 | 319537.6 | 129520.4 | 183122.1 | S |
| 105.333 | 0.0000 | 0.0000 | 83.038 | 0.04126 | 0.00000 | 319537.6 | 129521.6 | 183122.1 | S |
| 105.342 | 0.0000 | 0.0000 | 83.038 | 0.04126 | 0.00000 | 319537.6 | 129522.8 | 183122.1 | S |
| 105.350 | 0.0000 | 0.0000 | 83.037 | 0.04125 | 0.00000 | 319537.6 | 129524.1 | 183122.1 | S |
| 105.358 | 0.0000 | 0.0000 | 83.037 | 0.04125 | 0.00000 | 319537.6 | 129525.3 | 183122.1 | S |
| 105.367 | 0.0000 | 0.0000 | 83.037 | 0.04124 | 0.00000 | 319537.6 | 129526.5 | 183122.1 | S |
| 105.375 | 0.0000 | 0.0000 | 83.037 | 0.04123 | 0.00000 | 319537.6 | 129527.8 | 183122.1 | S |
| 105.383 | 0.0000 | 0.0000 | 83.037 | 0.04123 | 0.00000 | 319537.6 | 129529.0 | 183122.1 | S |
| 105.392 | 0.0000 | 0.0000 | 83.037 | 0.04122 | 0.00000 | 319537.6 | 129530.3 | 183122.1 | S |
| 105.400 | 0.0000 | 0.0000 | 83.036 | 0.04122 | 0.00000 | 319537.6 | 129531.5 | 183122.1 | S |
| 105.408 | 0.0000 | 0.0000 | 83.036 | 0.04121 | 0.00000 | 319537.6 | 129532.7 | 183122.1 | S |
| 105.417 | 0.0000 | 0.0000 | 83.036 | 0.04120 | 0.00000 | 319537.6 | 129534.0 | 183122.1 | S |
| 105.425 | 0.0000 | 0.0000 | 83.036 | 0.04120 | 0.00000 | 319537.6 | 129535.2 | 183122.1 | S |
| 105.433 | 0.0000 | 0.0000 | 83.036 | 0.04119 | 0.00000 | 319537.6 | 129536.4 | 183122.1 | S |
| 105.442 | 0.0000 | 0.0000 | 83.036 | 0.04119 | 0.00000 | 319537.6 | 129537.7 | 183122.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 105.450 | 0.0000 | 0.0000 | 83.035 | 0.04118 | 0.00000 | 319537.6 | 129538.9 | 183122.1 | S |
| 105.458 | 0.0000 | 0.0000 | 83.035 | 0.04117 | 0.00000 | 319537.6 | 129540.1 | 183122.1 | S |
| 105.467 | 0.0000 | 0.0000 | 83.035 | 0.04117 | 0.00000 | 319537.6 | 129541.4 | 183122.1 | S |
| 105.475 | 0.0000 | 0.0000 | 83.035 | 0.04116 | 0.00000 | 319537.6 | 129542.6 | 183122.1 | S |
| 105.483 | 0.0000 | 0.0000 | 83.035 | 0.04116 | 0.00000 | 319537.6 | 129543.8 | 183122.1 | S |
| 105.492 | 0.0000 | 0.0000 | 83.035 | 0.04115 | 0.00000 | 319537.6 | 129545.1 | 183122.1 | S |
| 105.500 | 0.0000 | 0.0000 | 83.034 | 0.04115 | 0.00000 | 319537.6 | 129546.3 | 183122.1 | S |
| 105.508 | 0.0000 | 0.0000 | 83.034 | 0.04114 | 0.00000 | 319537.6 | 129547.5 | 183122.1 | S |
| 105.517 | 0.0000 | 0.0000 | 83.034 | 0.04113 | 0.00000 | 319537.6 | 129548.8 | 183122.1 | S |
| 105.525 | 0.0000 | 0.0000 | 83.034 | 0.04113 | 0.00000 | 319537.6 | 129550.0 | 183122.1 | S |
| 105.533 | 0.0000 | 0.0000 | 83.034 | 0.04112 | 0.00000 | 319537.6 | 129551.3 | 183122.1 | S |
| 105.542 | 0.0000 | 0.0000 | 83.034 | 0.04112 | 0.00000 | 319537.6 | 129552.5 | 183122.1 | S |
| 105.550 | 0.0000 | 0.0000 | 83.033 | 0.04111 | 0.00000 | 319537.6 | 129553.7 | 183122.1 | S |
| 105.558 | 0.0000 | 0.0000 | 83.033 | 0.04110 | 0.00000 | 319537.6 | 129554.9 | 183122.1 | S |
| 105.567 | 0.0000 | 0.0000 | 83.033 | 0.04110 | 0.00000 | 319537.6 | 129556.2 | 183122.1 | S |
| 105.575 | 0.0000 | 0.0000 | 83.033 | 0.04109 | 0.00000 | 319537.6 | 129557.4 | 183122.1 | S |
| 105.583 | 0.0000 | 0.0000 | 83.033 | 0.04109 | 0.00000 | 319537.6 | 129558.6 | 183122.1 | S |
| 105.592 | 0.0000 | 0.0000 | 83.033 | 0.04108 | 0.00000 | 319537.6 | 129559.9 | 183122.1 | S |
| 105.600 | 0.0000 | 0.0000 | 83.032 | 0.04107 | 0.00000 | 319537.6 | 129561.1 | 183122.1 | S |
| 105.608 | 0.0000 | 0.0000 | 83.032 | 0.04107 | 0.00000 | 319537.6 | 129562.3 | 183122.1 | S |
| 105.617 | 0.0000 | 0.0000 | 83.032 | 0.04106 | 0.00000 | 319537.6 | 129563.6 | 183122.1 | S |
| 105.625 | 0.0000 | 0.0000 | 83.032 | 0.04106 | 0.00000 | 319537.6 | 129564.8 | 183122.1 | S |
| 105.633 | 0.0000 | 0.0000 | 83.032 | 0.04105 | 0.00000 | 319537.6 | 129566.0 | 183122.1 | S |
| 105.642 | 0.0000 | 0.0000 | 83.032 | 0.04105 | 0.00000 | 319537.6 | 129567.3 | 183122.1 | S |
| 105.650 | 0.0000 | 0.0000 | 83.031 | 0.04104 | 0.00000 | 319537.6 | 129568.5 | 183122.1 | S |
| 105.658 | 0.0000 | 0.0000 | 83.031 | 0.04103 | 0.00000 | 319537.6 | 129569.7 | 183122.1 | S |
| 105.667 | 0.0000 | 0.0000 | 83.031 | 0.04103 | 0.00000 | 319537.6 | 129571.0 | 183122.1 | S |
| 105.675 | 0.0000 | 0.0000 | 83.031 | 0.04102 | 0.00000 | 319537.6 | 129572.2 | 183122.1 | S |
| 105.683 | 0.0000 | 0.0000 | 83.031 | 0.04102 | 0.00000 | 319537.6 | 129573.4 | 183122.1 | S |
| 105.692 | 0.0000 | 0.0000 | 83.031 | 0.04101 | 0.00000 | 319537.6 | 129574.7 | 183122.1 | S |
| 105.700 | 0.0000 | 0.0000 | 83.030 | 0.04100 | 0.00000 | 319537.6 | 129575.9 | 183122.1 | S |
| 105.708 | 0.0000 | 0.0000 | 83.030 | 0.04100 | 0.00000 | 319537.6 | 129577.1 | 183122.1 | S |
| 105.717 | 0.0000 | 0.0000 | 83.030 | 0.04099 | 0.00000 | 319537.6 | 129578.3 | 183122.1 | S |
| 105.725 | 0.0000 | 0.0000 | 83.030 | 0.04099 | 0.00000 | 319537.6 | 129579.6 | 183122.1 | S |
| 105.733 | 0.0000 | 0.0000 | 83.030 | 0.04098 | 0.00000 | 319537.6 | 129580.8 | 183122.1 | S |
| 105.742 | 0.0000 | 0.0000 | 83.030 | 0.04098 | 0.00000 | 319537.6 | 129582.0 | 183122.1 | S |
| 105.750 | 0.0000 | 0.0000 | 83.029 | 0.04097 | 0.00000 | 319537.6 | 129583.3 | 183122.1 | S |
| 105.758 | 0.0000 | 0.0000 | 83.029 | 0.04096 | 0.00000 | 319537.6 | 129584.5 | 183122.1 | S |
| 105.767 | 0.0000 | 0.0000 | 83.029 | 0.04096 | 0.00000 | 319537.6 | 129585.7 | 183122.1 | S |
| 105.775 | 0.0000 | 0.0000 | 83.029 | 0.04095 | 0.00000 | 319537.6 | 129587.0 | 183122.1 | S |
| 105.783 | 0.0000 | 0.0000 | 83.029 | 0.04095 | 0.00000 | 319537.6 | 129588.2 | 183122.1 | S |
| 105.792 | 0.0000 | 0.0000 | 83.029 | 0.04094 | 0.00000 | 319537.6 | 129589.4 | 183122.1 | S |
| 105.800 | 0.0000 | 0.0000 | 83.029 | 0.04093 | 0.00000 | 319537.6 | 129590.6 | 183122.1 | S |
| 105.808 | 0.0000 | 0.0000 | 83.028 | 0.04093 | 0.00000 | 319537.6 | 129591.9 | 183122.1 | S |
| 105.817 | 0.0000 | 0.0000 | 83.028 | 0.04092 | 0.00000 | 319537.6 | 129593.1 | 183122.1 | S |
| 105.825 | 0.0000 | 0.0000 | 83.028 | 0.04092 | 0.00000 | 319537.6 | 129594.3 | 183122.1 | S |
| 105.833 | 0.0000 | 0.0000 | 83.028 | 0.04091 | 0.00000 | 319537.6 | 129595.5 | 183122.1 | S |
| 105.842 | 0.0000 | 0.0000 | 83.028 | 0.04090 | 0.00000 | 319537.6 | 129596.8 | 183122.1 | S |
| 105.850 | 0.0000 | 0.0000 | 83.028 | 0.04090 | 0.00000 | 319537.6 | 129598.0 | 183122.1 | S |
| 105.858 | 0.0000 | 0.0000 | 83.027 | 0.04089 | 0.00000 | 319537.6 | 129599.2 | 183122.1 | S |
| 105.867 | 0.0000 | 0.0000 | 83.027 | 0.04089 | 0.00000 | 319537.6 | 129600.5 | 183122.1 | S |
| 105.875 | 0.0000 | 0.0000 | 83.027 | 0.04088 | 0.00000 | 319537.6 | 129601.7 | 183122.1 | S |
| 105.883 | 0.0000 | 0.0000 | 83.027 | 0.04088 | 0.00000 | 319537.6 | 129602.9 | 183122.1 | S |
| 105.892 | 0.0000 | 0.0000 | 83.027 | 0.04087 | 0.00000 | 319537.6 | 129604.1 | 183122.1 | S |
| 105.900 | 0.0000 | 0.0000 | 83.027 | 0.04086 | 0.00000 | 319537.6 | 129605.4 | 183122.1 | S |
| 105.908 | 0.0000 | 0.0000 | 83.026 | 0.04086 | 0.00000 | 319537.6 | 129606.6 | 183122.1 | S |
| 105.917 | 0.0000 | 0.0000 | 83.026 | 0.04085 | 0.00000 | 319537.6 | 129607.8 | 183122.1 | S |
| 105.925 | 0.0000 | 0.0000 | 83.026 | 0.04085 | 0.00000 | 319537.6 | 129609.0 | 183122.1 | S |
| 105.933 | 0.0000 | 0.0000 | 83.026 | 0.04084 | 0.00000 | 319537.6 | 129610.3 | 183122.1 | S |
| 105.942 | 0.0000 | 0.0000 | 83.026 | 0.04083 | 0.00000 | 319537.6 | 129611.5 | 183122.1 | S |
| 105.950 | 0.0000 | 0.0000 | 83.026 | 0.04083 | 0.00000 | 319537.6 | 129612.7 | 183122.1 | S |
| 105.958 | 0.0000 | 0.0000 | 83.025 | 0.04082 | 0.00000 | 319537.6 | 129613.9 | 183122.1 | S |
| 105.967 | 0.0000 | 0.0000 | 83.025 | 0.04082 | 0.00000 | 319537.6 | 129615.2 | 183122.1 | S |
| 105.975 | 0.0000 | 0.0000 | 83.025 | 0.04081 | 0.00000 | 319537.6 | 129616.4 | 183122.1 | S |
| 105.983 | 0.0000 | 0.0000 | 83.025 | 0.04081 | 0.00000 | 319537.6 | 129617.6 | 183122.1 | S |
| 105.992 | 0.0000 | 0.0000 | 83.025 | 0.04080 | 0.00000 | 319537.6 | 129618.8 | 183122.1 | S |
| 106.000 | 0.0000 | 0.0000 | 83.025 | 0.04079 | 0.00000 | 319537.6 | 129620.1 | 183122.1 | S |
| 106.008 | 0.0000 | 0.0000 | 83.024 | 0.04079 | 0.00000 | 319537.6 | 129621.3 | 183122.1 | S |
| 106.017 | 0.0000 | 0.0000 | 83.024 | 0.04078 | 0.00000 | 319537.6 | 129622.5 | 183122.1 | S |
| 106.025 | 0.0000 | 0.0000 | 83.024 | 0.04078 | 0.00000 | 319537.6 | 129623.7 | 183122.1 | S |
| 106.033 | 0.0000 | 0.0000 | 83.024 | 0.04077 | 0.00000 | 319537.6 | 129625.0 | 183122.1 | S |
| 106.042 | 0.0000 | 0.0000 | 83.024 | 0.04077 | 0.00000 | 319537.6 | 129626.2 | 183122.1 | S |
| 106.050 | 0.0000 | 0.0000 | 83.024 | 0.04076 | 0.00000 | 319537.6 | 129627.4 | 183122.1 | S |
| 106.058 | 0.0000 | 0.0000 | 83.023 | 0.04075 | 0.00000 | 319537.6 | 129628.6 | 183122.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Ousside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $f t^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 106.067 | 0.0000 | 0.0000 | 83.023 | 0.04075 | 0.00000 | 319537.6 | 129629.8 | 183122.1 | S |
| 106.075 | 0.0000 | 0.0000 | 83.023 | 0.04074 | 0.00000 | 319537.6 | 129631.1 | 183122.1 | S |
| 106.083 | 0.0000 | 0.0000 | 83.023 | 0.04074 | 0.00000 | 319537.6 | 129632.3 | 183122.1 | S |
| 106.092 | 0.0000 | 0.0000 | 83.023 | 0.04073 | 0.00000 | 319537.6 | 129633.5 | 183122.1 | S |
| 106.100 | 0.0000 | 0.0000 | 83.023 | 0.04072 | 0.00000 | 319537.6 | 129634.7 | 183122.1 | S |
| 106.108 | 0.0000 | 0.0000 | 83.022 | 0.04072 | 0.00000 | 319537.6 | 129636.0 | 183122.1 | 5 |
| 106.117 | 0.0000 | 0.0000 | 83.022 | 0.04071 | 0.00000 | 319537.6 | 129637.2 | 183122.1 | S |
| 106.125 | 0.0000 | 0.0000 | 83.022 | 0.04071 | 0.00000 | 319537.6 | 129638.4 | 183122.1 | 5 |
| 106.133 | 0.0000 | 0.0000 | 83.022 | 0.04070 | 0.00000 | 319537.6 | 129639.6 | 183122.1 | 5 |
| 106.142 | 0.0000 | 0.0000 | 83.022 | 0.04070 | 0.00000 | 319537.6 | 129640.8 | 183122.1 | S |
| 106.150 | 0.0000 | 0.0000 | 83.022 | 0.04069 | 0.00000 | 319537.6 | 129642.1 | 183122.1 | S |
| 106.158 | 0.0000 | 0.0000 | 83.021 | 0.04068 | 0.00000 | 319537.6 | 129643.3 | 183122.1 | 5 |
| 106.167 | 0.0000 | 0.0000 | 83.021 | 0.04068 | 0.00000 | 319537.6 | 129644.5 | 183122.1 | S |
| 106.175 | 0.0000 | 0.0000 | 83.021 | 0.04067 | 0.00000 | 319537.6 | 129645.7 | 183122.1 | S |
| 106.183 | 0.0000 | 0.0000 | 83.021 | 0.04067 | 0.00000 | 319537.6 | 129646.9 | 183122.1 | S |
| 106.192 | 0.0000 | 0.0000 | 83.021 | 0.04066 | 0.00000 | 319537.6 | 129648.2 | 183122.1 | S |
| 106.200 | 0.0000 | 0.0000 | 83.021 | 0.04066 | 0.00000 | 319537.6 | 129649.4 | 183122.1 | S |
| 106.208 | 0.0000 | 0.0000 | 83.021 | 0.04065 | 0.00000 | 319537.6 | 129650.6 | 183122.1 | S |
| 106.217 | 0.0000 | 0.0000 | 83.020 | 0.04064 | 0.00000 | 319537.6 | 129651.8 | 183122.1 | S |
| 106.225 | 0.0000 | 0.0000 | 83.020 | 0.04064 | 0.00000 | 319537.6 | 129653.0 | 183122.1 | S |
| 106.233 | 0.0000 | 0.0000 | 83.020 | 0.04063 | 0.00000 | 319537.6 | 129654.3 | 183122.1 | S |
| 106.242 | 0.0000 | 0.0000 | 83.020 | 0.04063 | 0.00000 | 319537.6 | 129655.5 | 183122.1 | S |
| 106.250 | 0.0000 | 0.0000 | 83.020 | 0.04062 | 0.00000 | 319537.6 | 129656.7 | 183122.1 | S |
| 106.258 | 0.0000 | 0.0000 | 83.020 | 0.04061 | 0.00000 | 319537.6 | 129657.9 | 183122.1 | S |
| 106.267 | 0.0000 | 0.0000 | 83.019 | 0.04061 | 0.00000 | 319537.6 | 129659.1 | 183122.1 | S |
| 106.275 | 0.0000 | 0.0000 | 83.019 | 0.04060 | 0.00000 | 319537.6 | 129660.4 | 183122.1 | S |
| 106.283 | 0.0000 | 0.0000 | 83.019 | 0.04060 | 0.00000 | 319537.6 | 129661.6 | 183122.1 | S |
| 106.292 | 0.0000 | 0.0000 | 83.019 | 0.04059 | 0.00000 | 319537.6 | 129662.8 | 183122.1 | S |
| 106.300 | 0.0000 | 0.0000 | 83.019 | 0.04059 | 0.00000 | 319537.6 | 129664.0 | 183122.1 | S |
| 106.308 | 0.0000 | 0.0000 | 83.019 | 0.04058 | 0.00000 | 319537.6 | 129665.2 | 183122.1 | S |
| 106.317 | 0.0000 | 0.0000 | 83.018 | 0.04057 | 0.00000 | 319537.6 | 129666.4 | 183122.1 | S |
| 106.325 | 0.0000 | 0.0000 | 83.018 | 0.04057 | 0.00000 | 319537.6 | 129667.7 | 183122.1 | S |
| 106.333 | 0.0000 | 0.0000 | 83.018 | 0.04056 | 0.00000 | 319537.6 | 129668.9 | 183122.1 | S |
| 106.342 | 0.0000 | 0.0000 | 83.018 | 0.04056 | 0.00000 | 319537.6 | 129670.1 | 183122.1 | 5 |
| 106.350 | 0.0000 | 0.0000 | 83.018 | 0.04055 | 0.00000 | 319537.6 | 129671.3 | 183122.1 | S |
| 106.358 | 0.0000 | 0.0000 | 83.018 | 0.04055 | 0.00000 | 319537.6 | 129672.5 | 183122.1 | 5 |
| 106.367 | 0.0000 | 0.0000 | 83.017 | 0.04054 | 0.00000 | 319537.6 | 129673.7 | 183122.1 | S |
| 106.375 | 0.0000 | 0.0000 | 83.017 | 0.04053 | 0.00000 | 319537.6 | 129675.0 | 183122.1 | S |
| 106.383 | 0.0000 | 0.0000 | 83.017 | 0.04053 | 0.00000 | 319537.6 | 129676.2 | 183122.1 | S |
| 106.392 | 0.0000 | 0.0000 | 83.017 | 0.04052 | 0.00000 | 319537.6 | 129677.4 | 183122.1 | S |
| 106.400 | 0.0000 | 0.0000 | 83.017 | 0.04052 | 0.00000 | 319537.6 | 129678.6 | 183122.1 | 5 |
| 106.408 | 0.0000 | 0.0000 | 83.017 | 0.04051 | 0.00000 | 319537.6 | 129679.8 | 183122.1 | 5 |
| 106.417 | 0.0000 | 0.0000 | 83.016 | 0.04051 | 0.00000 | 319537.6 | 129681.0 | 183122.1 | S |
| 106.425 | 0.0000 | 0.0000 | 83.016 | 0.04050 | 0.00000 | 319537.6 | 129682.3 | 183122.1 | S |
| 106.433 | 0.0000 | 0.0000 | 83.016 | 0.04049 | 0.00000 | 319537.6 | 129683.5 | 783122.1 | S |
| 106.442 | 0.0000 | 0.0000 | 83.016 | 0.04049 | 0.00000 | 319537.6 | 129684.7 | 183122.1 | S |
| 106.450 | 0.0000 | 0.0000 | 83.016 | 0.04048 | 0.00000 | 319537.6 | 129685.9 | 183122.1 | S |
| 106.458 | 0.0000 | 0.0000 | 83.016 | 0.04048 | 0.00000 | 319537.6 | 129687.1 | 183122.1 | S |
| 106.467 | 0.0000 | 0.0000 | 83.015 | 0.04047 | 0.00000 | 319537.6 | 129688.3 | 183122.1 | S |
| 106.475 | 0.0000 | 0.0000 | 83.015 | 0.04046 | 0.00000 | 319537.6 | 129689.5 | 183122.1 | S |
| 106.483 | 0.0000 | 0.0000 | 83.015 | 0.04046 | 0.00000 | 319537.6 | 129690.8 | 183122.1 | S |
| 106.492 | 0.0000 | 0.0000 | 83.015 | 0.04045 | 0.00000 | 319537.6 | 129692.0 | $183 \ddagger 22.1$ | S |
| 106.500 | 0.0000 | 0.0000 | 83.015 | 0.04045 | 0.00000 | 319537.6 | 129693.2 | 183122.1 | S |
| 106.508 | 0.0000 | 0.0000 | 83.015 | 0.04044 | 0.00000 | 319537.6 | 129694.4 | 183122.1 | S |
| 106.517 | 0.0000 | 0.0000 | 83.015 | 0.04044 | 0.00000 | 319537.6 | 129695.6 | 183122.1 | S |
| 106.525 | 0.0000 | 0.0000 | 83.014 | 0.04043 | 0.00000 | 319537.6 | 129696.8 | 183122.1 | S |
| 106.533 | 0.0000 | 0.0000 | 83.014 | 0.04042 | 0.00000 | 319537.6 | 129698.0 | 183122.1 | S |
| 106.542 | 0.0000 | 0.0000 | 83.014 | 0.04042 | 0.00000 | 319537.6 | 129699.2 | 183122.1 | S |
| 106.550 | 0.0000 | 0.0000 | 83.014 | 0.04041 | 0.00000 | 319537.6 | 129700.5 | 183122.1 | S |
| 106.558 | 0.0000 | 0.0000 | 83.014 | 0.04041 | 0.00000 | 319537.6 | 129701.7 | 183122.1 | S |
| 106.567 | 0.0000 | 0.0000 | 83.014 | 0.04040 | 0.00000 | 319537.6 | 129702.9 | 183122.1 | S |
| 106.575 | 0.0000 | 0.0000 | 83.013 | 0.04040 | 0.00000 | 319537.6 | 129704.1 | 183122.1 | S |
| 106.583 | 0.0000 | 0.0000 | 83.013 | 0.04039 | 0.00000 | 319537.6 | 129705.3 | 183122.1 | S |
| 106.592 | 0.0000 | 0.0000 | 83.013 | 0.04038 | 0.00000 | 319537.6 | 129706.5 | 183122.1 | S |
| 106.600 | 0.0000 | 0.0000 | 83.013 | 0.04038 | 0.00000 | 319537.6 | 129707.7 | \$83122.1 | S |
| 106.608 | 0.0000 | 0.0000 | 83.013 | 0.04037 | 0.00000 | 319537.6 | 129708.9 | 183122.1 | S |
| 106.617 | 0.0000 | 0.0000 | 83.013 | 0.04037 | 0.00000 | 319537.6 | 129710.1 | 183122.1 | S |
| 106.625 | 0.0000 | 0.0000 | 83.012 | 0.04036 | 0.00000 | 319537.6 | 129711.4 | 183122.1 | S |
| 106.633 | 0.0000 | 0.0000 | 83.012 | 0.04036 | 0.00000 | 319537.6 | 129712.6 | 183122.1 | S |
| 106.642 | 0.0000 | 0.0000 | 83.012 | 0.04035 | 0.00000 | 319537.6 | 129713.8 | 183122.1 | S |
| 106.650 | 0.0000 | 0.0000 | 83.012 | 0.04034 | 0.00000 | 319537.6 | 129715.0 | 183122.1 | S |
| 106.658 | 0.0000 | 0.0000 | 83.012 | 0.04034 | 0.00000 | 319537.6 | 129716.2 | 183122.1 | S |
| 106.667 | 0.0000 | 0.0000 | 83.012 | 0.04033 | 0.00000 | 319537.6 | 129717.4 | 183122.1 | S |
| 106.675 | 0.0000 | 0.0000 | 83.011 | 0.04033 | 0.00000 | 319537.6 | 129718.6 | 183122.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Infow Rate ( $\mathrm{ft}^{3 /} \mathrm{s}$ ) | Outside Recharge (f $/$ day) | Stage Elevation (fl datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 106.683 | 0.0000 | 0.0000 | 83.011 | 0.04032 | 0.00000 | 319537.6 | 129719.8 | 183122.1 | S |
| 106.692 | 0.0000 | 0.0000 | 83.011 | 0.04032 | 0.00000 | 319537.6 | 129721.0 | 183122.1 | S |
| 106.700 | 0.0000 | 0.0000 | 83.011 | 0.04031 | 0.00000 | 319537.6 | 129722.3 | 183122.1 | S |
| 106.708 | 0.0000 | 0.0000 | 83.011 | 0.04030 | 0.00000 | 319537.6 | 129723.5 | 183122.7 | S |
| 106.717 | 0.0000 | 0.0000 | 83.011 | 0.04030 | 0.00000 | 319537.6 | 129724.7 | 183122.1 | S |
| 106.725 | 0.0000 | 0.0000 | 83.010 | 0.04029 | 0.00000 | 319537.6 | 129725.9 | 183122.1 | S |
| 106.733 | 0.0000 | 0.0000 | 83.010 | 0.04029 | 0.00000 | 319537.6 | 129727.1 | 183122.1 | S |
| 106.742 | 0.0000 | 0.0000 | 83.010 | 0.04028 | 0.00000 | 319537.6 | 129728.3 | 183122.1 | S |
| 106.750 | 0.0000 | 0.0000 | 83.010 | 0.04028 | 0.00000 | 319537.6 | 129729.5 | 183122.1 | S |
| 106.758 | 0.0000 | 0.0000 | 83.010 | 0.04027 | 0.00000 | 319537.6 | 129730.7 | 183122.1 | S |
| 106.767 | 0.0000 | 0.0000 | 83.010 | 0.04026 | 0.00000 | 319537.6 | 129731.9 | 183122.1 | S |
| 106.775 | 0.0000 | 0.0000 | 83.009 | 0.04026 | 0.00000 | 319537.6 | 129733.1 | 183122.1 | S |
| 106.783 | 0.0000 | 0.0000 | 83.009 | 0.04025 | 0.00000 | 319537.6 | 129734.3 | 183122.1 | S |
| 106.792 | 0.0000 | 0.0000 | 83.009 | 0.04025 | 0.00000 | 319537.6 | 129735.5 | 183122.1 | S |
| 106.800 | 0.0000 | 0.0000 | 83.009 | 0.04024 | 0.00000 | 319537.6 | 129736.8 | 183122.1 | S |
| 106.808 | 0.0000 | 0.0000 | 83.009 | 0.04024 | 0.00000 | 319537.6 | 129738.0 | 183122.1 | S |
| 106.817 | 0.0000 | 0.0000 | 83.009 | 0.04023 | 0.00000 | 319537.6 | 129739.2 | 183122.1 | S |
| 106.825 | 0.0000 | 0.0000 | 83.009 | 0.04022 | 0.00000 | 319537.6 | 129740.4 | 183122.1 | S |
| 106.833 | 0.0000 | 0.0000 | 83.008 | 0.04022 | 0.00000 | 319537.6 | 129741.6 | 183122.1 | S |
| 106.842 | 0.0000 | 0.0000 | 83.008 | 0.04021 | 0.00000 | 319537.6 | 129742.8 | 183122.1 | S |
| 106.850 | 0.0000 | 0.0000 | 83.008 | 0.04021 | 0.00000 | 319537.6 | 129744.0 | 183122.1 | S |
| 106.858 | 0.0000 | 0.0000 | 83.008 | 0.04020 | 0.00000 | 319537.6 | 129745.2 | 183122.1 | S |
| 106.867 | 0.0000 | 0.0000 | 83.008 | 0.04020 | 0.00000 | 319537.6 | 129746.4 | 183122.1 | S |
| 106.875 | 0.0000 | 0.0000 | 83.008 | 0.04019 | 0.00000 | 319537.6 | 129747.6 | 183122.4 | S |
| 106.883 | 0.0000 | 0.0000 | 83.007 | 0.04018 | 0.00000 | 319537.6 | 129748.8 | 183122.1 | S |
| 106.892 | 0.0000 | 0.0000 | 83.007 | 0.04018 | 0.00000 | 319537.6 | 129750.0 | 183122.1 | S |
| 106.900 | 0.0000 | 0.0000 | 83.007 | 0.04017 | 0.00000 | 319537.6 | 129751.2 | 183122.1 | S |
| 106.908 | 0.0000 | 0.0000 | 83.007 | 0.04017 | 0.00000 | 319537.6 | 129752.4 | 183122.1 | S |
| 106.917 | 0.0000 | 0.0000 | 83.007 | 0.04016 | 0.00000 | 319537.6 | 129753.6 | 183122.1 | S |
| 106.925 | 0.0000 | 0.0000 | 83.007 | 0.04016 | 0.00000 | 319537.6 | 129754.8 | 183122.1 | S |
| 106.933 | 0.0000 | 0.0000 | 83.006 | 0.04015 | 0.00000 | 319537.6 | 129756.0 | 183122.1 | S |
| 106.942 | 0.0000 | 0.0000 | 83.006 | 0.04014 | 0.00000 | 319537.6 | 129757.2 | 183122.1 | S |
| 106.950 | 0.0000 | 0.0000 | 83.006 | 0.04014 | 0.00000 | 319537.6 | 129758.5 | 183122.1 | S |
| 106.958 | 0.0000 | 0.0000 | 83.006 | 0.04013 | 0.00000 | 319537.6 | 129759.7 | 183122.1 | S |
| 106.967 | 0.0000 | 0.0000 | 83.006 | 0.04013 | 0.00000 | 319537.6 | 129760.9 | 183122.1 | S |
| 106.975 | 0.0000 | 0.0000 | 83.006 | 0.04012 | 0.00000 | 319537.6 | 129762.1 | 183122.1 | S |
| 106.983 | 0.0000 | 0.0000 | 83.005 | 0.04012 | 0.00000 | 319537.6 | 129763.3 | 183122.1 | S |
| 106.992 | 0.0000 | 0.0000 | 83.005 | 0.04011 | 0.00000 | 319537.6 | 129764.5 | 183122.1 | S |
| 107.000 | 0.0000 | 0.0000 | 83.005 | 0.04011 | 0.00000 | 319537.6 | 129765.7 | 183122.1 | S |
| 107.008 | 0.0000 | 0.0000 | 83.005 | 0.04010 | 0.00000 | 319537.6 | 129766.9 | 183122.1 | S |
| 107.017 | 0.0000 | 0.0000 | 83.005 | 0.04009 | 0.00000 | 319537.6 | 129768.1 | 183122.1 | S |
| 107.025 | 0.0000 | 0.0000 | 83.005 | 0.04009 | 0.00000 | 319537.6 | 129769.3 | 183122.1 | S |
| 107.033 | 0.0000 | 0.0000 | 83.004 | 0.04008 | 0.00000 | 319537.6 | 129770.5 | 183122.1 | S |
| 107.042 | 0.0000 | 0.0000 | 83.004 | 0.04008 | 0.00000 | 319537.6 | 129771.7 | 183122.1 | S |
| 107.050 | 0.0000 | 0.0000 | 83.004 | 0.04007 | 0.00000 | 319537.6 | 129772.9 | 183122.1 | S |
| 107.058 | 0.0000 | 0.0000 | 83.004 | 0.04007 | 0.00000 | 319537.6 | 129774.1 | 183122.1 | S |
| 107.067 | 0.0000 | 0.0000 | 83.004 | 0.04006 | 0.00000 | 319537.6 | 129775.3 | 183122.1 | S |
| 107.075 | 0.0000 | 0.0000 | 83.004 | 0.04005 | 0.00000 | 319537.6 | 129776.5 | 183122.1 | S |
| 107.083 | 0.0000 | 0.0000 | 83.004 | 0.04005 | 0.00000 | 319537.6 | 129777.7 | 183122.1 | S |
| 107.092 | 0.0000 | 0.0000 | 83.003 | 0.04004 | 0.00000 | 319537.6 | 129778.9 | 183122.1 | S |
| 107.100 | 0.0000 | 0.0000 | 83.003 | 0.04004 | 0.00000 | 319537.6 | 129780.1 | 183122.1 | S |
| 107.108 | 0.0000 | 0.0000 | 83.003 | 0.04003 | 0.00000 | 319537.6 | 129781.3 | 183122.1 | S |
| \$07.117 | 0.0000 | 0.0000 | 83.003 | 0.04003 | 0.00000 | 319537.6 | 129782.5 | 183122.1 | S |
| $\ddagger 07.125$ | 0.0000 | 0.0000 | 83.003 | 0.04002 | 0.00000 | 319537.6 | 129783.7 | 183122.3 | S |
| 107.133 | 0.0000 | 0.0000 | 83.003 | 0.04001 | 0.00000 | 319537.6 | 129784.9 | 183122.1 | S |
| 107.142 | 0.0000 | 0.0000 | 83.002 | 0.04001 | 0.00000 | 319537.6 | 129786.1 | 183122.1 | S |
| 107.150 | 0.0000 | 0.0000 | 83.002 | 0.04000 | 0.00000 | 319537.6 | 129787.3 | 183122.1 | S |
| 107.158 | 0.0000 | 0.0000 | 83.002 | 0.04000 | 0.00000 | 319537.6 | 129788.5 | 183122.1 | S |
| 107.167 | 0.0000 | 0.0000 | 83.002 | 0.03999 | 0.00000 | 319537.6 | 129789.7 | 183122.1 | S |
| 107.175 | 0.0000 | 0.0000 | 83.002 | 0.03999 | 0.00000 | 319537.6 | 129790.9 | ¢83122.1 | S |
| 107.183 | 0.0000 | 0.0000 | 83.002 | 0.03998 | 0.00000 | 319537.6 | 129792.1 | 183122.1 | S |
| 107.192 | 0.0000 | 0.0000 | 83.001 | 0.03998 | 0.00000 | 319537.6 | 129793.3 | 183122.4 | S |
| 107.200 | 0.0000 | 0.0000 | 83.001 | 0.03997 | 0.00000 | 319537.6 | 129794.5 | 183122.1 | S |
| 107.208 | 0.0000 | 0.0000 | 83.001 | 0.03996 | 0.00000 | 319537.6 | 129795.7 | 183122.1 | S |
| 107.217 | 0.0000 | 0.0000 | 83.001 | 0.03996 | 0.00000 | 319537.6 | 129796.9 | 183122.1 | S |
| 107.225 | 0.0000 | 0.0000 | 83.001 | 0.03995 | 0.00000 | 319537.6 | 129798.1 | 183122.1 | S |
| 107.233 | 0.0000 | 0.0000 | 83.001 | 0.03995 | 0.00000 | 319537.6 | 129799.3 | 183122.1 | S |
| 107.242 | 0.0000 | 0.0000 | 83.000 | 0.03994 | 0.00000 | 319537.6 | 129800.5 | 183122.1 | S |
| 107.250 | 0.0000 | 0.0000 | 83.000 | 0.03994 | 0.00000 | 319537.6 | 129801.7 | 183122.1 | S |
| 107.258 | 0.0000 | 0.0000 | 83.000 | 0.03993 | 0.00000 | 319537.6 | 129802.9 | 183122.1 | S |
| 107.267 | 0.0000 | 0.0000 | 83.000 | 0.03992 | 0.00000 | 319537.6 | 129804.1 | 183122.1 | S |
| 107.275 | 0.0000 | 0,0000 | 83.000 | 0.03992 | 0.00000 | 319537.6 | 129805.3 | 183122.1 | S |
| 107.283 | 0.0000 | 0.0000 | 83.000 | 0.03991 | 0.00000 | 319537.6 | 129806.5 | 183122.1 | S |
| 107.292 | 0.0000 | 0.0000 | 83.000 | 0.03991 | 0.00000 | 319537.6 | 129807.7 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / 3} \mathrm{~s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / 3}$ ) | Overflow Discharge ( $\mathrm{H}^{3 / \mathrm{s}}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{H}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 107.300 | 0.0000 | 0.0000 | 82.999 | 0.03990 | 0.00000 | 319537.6 | 129808.9 | 183122.1 | S |
| 107.308 | 0.0000 | 0.0000 | 82.999 | 0.03990 | 0.00000 | 319537.6 | 129810.1 | 183122.1 | S |
| 107.317 | 0.0000 | 0.0000 | 82.999 | 0.03989 | 0.00000 | 319537.6 | 129811.3 | 183122.1 | S |
| 107.325 | 0.0000 | 0.0000 | 82.999 | 0.03988 | 0.00000 | 319537.6 | 129812.5 | 183122.1 | S |
| 107.333 | 0.0000 | 0.0000 | 82.999 | 0.03988 | 0.00000 | 319537.6 | 129813.7 | 183122.1 | S |
| 107.342 | 0.0000 | 0.0000 | 82.999 | 0.03987 | 0.00000 | 319537.6 | 129814.9 | 183122.1 | S |
| 107.350 | 0.0000 | 0.0000 | 82.998 | 0.03987 | 0.00000 | 319537.6 | 129816.1 | 183122.1 | S |
| 107.358 | 0.0000 | 0.0000 | 82.998 | 0.03986 | 0.00000 | 319537.6 | 129817.3 | 183122.1 | S |
| 107.367 | 0.0000 | 0.0000 | 82.998 | 0.03986 | 0.00000 | 319537.6 | 129818.4 | 183122.1 | S |
| 107.375 | 0.0000 | 0.0000 | 82.998 | 0.03985 | 0.00000 | 319537.6 | 129819.6 | 183122.1 | S |
| 107.383 | 0.0000 | 0.0000 | 82.998 | 0.03985 | 0.00000 | 319537.6 | 129820.8 | 183122.1 | S |
| 107.392 | 0.0000 | 0.0000 | 82.998 | 0.03984 | 0.00000 | 319537.6 | 129822.0 | 183122.1 | S |
| 107.400 | 0.0000 | 0.0000 | 82.997 | 0.03983 | 0.00000 | 319537.6 | 129823.2 | 183122.1 | S |
| 107.408 | 0.0000 | 0.0000 | 82.997 | 0.03983 | 0.00000 | 319537.6 | 129824.4 | 183122.1 | S |
| 107.417 | 0.0000 | 0.0000 | 82.997 | 0.03982 | 0.00000 | 319537.6 | 129825.6 | 183122.1 | S |
| 107.425 | 0.0000 | 0.0000 | 82.997 | 0.03982 | 0.00000 | 319537.6 | 129826.8 | 183122.1 | S |
| 107.433 | 0.0000 | 0.0000 | 82.997 | 0.03981 | 0.00000 | 319537.6 | 129828.0 | 183122.1 | S |
| 107.442 | 0.0000 | 0.0000 | 82.997 | 0.03981 | 0.00000 | 319537.6 | 129829.2 | 183122.1 | S |
| 107.450 | 0.0000 | 0.0000 | 82.996 | 0.03980 | 0.00000 | 319537.6 | 129830.4 | 183122.1 | S |
| 107.458 | 0.0000 | 0.0000 | 82.996 | 0.03980 | 0.00000 | 319537.6 | 129831.6 | 183122.1 | S |
| 107.467 | 0.0000 | 0.0000 | 82.996 | 0.03979 | 0.00000 | 319537.6 | 129832.8 | 183122.1 | S |
| 107.475 | 0.0000 | 0.0000 | 82.996 | 0.03978 | 0.00000 | 319537.6 | 129834.0 | 183122.1 | S |
| 107.483 | 0.0000 | 0.0000 | 82.996 | 0.03978 | 0.00000 | 319537.6 | 129835.2 | 183122.1 | S |
| 107.492 | 0.0000 | 0.0000 | 82.996 | 0.03977 | 0.00000 | 319537.6 | 129836.4 | 183122.1 | S |
| 107.500 | 0.0000 | 0.0000 | 82.996 | 0.03977 | 0.00000 | 319537.6 | 129837.6 | 183122.1 | S |
| 107.508 | 0.0000 | 0.0000 | 82.995 | 0.03976 | 0.00000 | 319537.6 | 129838.8 | 183122.1 | S |
| 107.517 | 0.0000 | 0.0000 | 82.995 | 0.03976 | 0.00000 | 319537.6 | 129839.9 | 183122.1 | S |
| 107.525 | 0.0000 | 0.0000 | 82.995 | 0.03975 | 0.00000 | 319537.6 | 129841.1 | 183122.1 | S |
| 107.533 | 0.0000 | 0.0000 | 82.995 | 0.03974 | 0.00000 | 319537.6 | 129842.3 | 183122.1 | S |
| 107.542 | 0.0000 | 0.0000 | 82.995 | 0.03974 | 0.00000 | 319537.6 | 129843.5 | 183122.1 | S |
| 107.550 | 0.0000 | 0.0000 | 82.995 | 0.03973 | 0.00000 | 319537.6 | 129844.7 | 183122.1 | S |
| 107.558 | 0.0000 | 0.0000 | 82.994 | 0.03973 | 0.00000 | 319537.6 | 129845.9 | 183122.1 | S |
| 107.567 | 0.0000 | 0.0000 | 82.994 | 0.03972 | 0.00000 | 319537.6 | 129847.1 | 183122.1 | S |
| 107.575 | 0.0000 | 0.0000 | 82.994 | 0.03972 | 0.00000 | 319537.6 | 129848.3 | 183122.1 | S |
| 107.583 | 0.0000 | 0.0000 | 82.994 | 0.03971 | 0.00000 | 319537.6 | 129849.5 | 183122.1 | S |
| 107.592 | 0.0000 | 0.0000 | 82.994 | 0.03971 | 0.00000 | 319537.6 | 129850.7 | 183122.1 | S |
| 107.600 | 0.0000 | 0.0000 | 82.994 | 0.03970 | 0.00000 | 319537.6 | 129851.9 | 183122.1 | S |
| 107.608 | 0.0000 | 0.0000 | 82.993 | 0.03969 | 0.00000 | 319537.6 | 129853.0 | 183122.1 | S |
| 107.617 | 0.0000 | 0.0000 | 82.993 | 0.03969 | 0.00000 | 319537.6 | 129854.2 | 183122.1 | S |
| 107.625 | 0.0000 | 0.0000 | 82.993 | 0.03968 | 0.00000 | 319537.6 | 129855.4 | 183122.1 | S |
| 107.633 | 0.0000 | 0.0000 | 82.993 | 0.03968 | 0.00000 | 319537.6 | 129856.6 | 183722.1 | S |
| 107.642 | 0.0000 | 0.0000 | 82.993 | 0.03967 | 0.00000 | 319537.6 | 129857.8 | 183122.1 | S |
| 107.650 | 0.0000 | 0.0000 | 82.993 | 0.03967 | 0.00000 | 319537.6 | 129859.0 | 183122.1 | S |
| 107.658 | 0.0000 | 0.0000 | 82.992 | 0.03966 | 0.00000 | 319537.6 | 129860.2 | 183122.3 | S |
| 107.667 | 0.0000 | 0.0000 | 82.992 | 0.03966 | 0.00000 | 319537.6 | 129861.4 | 183122.1 | S |
| 107.675 | 0.0000 | 0.0000 | 82.992 | 0.03965 | 0.00000 | 319537.6 | 129862.6 | 183122.1 | S |
| 107.683 | 0.0000 | 0.0000 | 82.992 | 0.03964 | 0.00000 | 319537.6 | 129863.8 | 183122.1 | S |
| 107.692 | 0.0000 | 0.0000 | 82.992 | 0.03964 | 0.00000 | 319537.6 | 129865.0 | 183122.1 | S |
| 107.700 | 0.0000 | 0.0000 | 82.992 | 0.03963 | 0.00000 | 319537.6 | 129866.1 | 183122.1 | S |
| 107.708 | 0.0000 | 0.0000 | 82.992 | 0.03963 | 0.00000 | 319537.6 | 129867.3 | 183122.1 | S |
| 107.717 | 0.0000 | 0.0000 | 82.991 | 0.03962 | 0.00000 | 319537.6 | 129868.5 | 183122.1 | S |
| 107.725 | 0.0000 | 0.0000 | 82.991 | 0.03962 | 0.00000 | 319537.6 | 129869.7 | 183122.1 | S |
| 107.733 | 0.0000 | 0.0000 | 82.991 | 0.03961 | 0.00000 | 319537.6 | 129870.9 | 183122.1 | S |
| 107.742 | 0.0000 | 0.0000 | 82.991 | 0.03961 | 0.00000 | 319537.6 | 129872.1 | 183122.1 | S |
| 107.750 | 0.0000 | 0.0000 | 82.991 | 0.03960 | 0.00000 | 319537.6 | 129873.3 | 183122.1 | S |
| 107.758 | 0.0000 | 0.0000 | 82.991 | 0.03959 | 0.00000 | 319537.6 | 129874.5 | 183122.1 | S |
| 107.767 | 0.0000 | 0.0000 | 82.990 | 0.03959 | 0.00000 | 319537.6 | 129875.6 | 183122.1 | S |
| 107.775 | 0.0000 | 0.0000 | 82.990 | 0.03958 | 0.00000 | 319537.6 | 129876.8 | 183122.1 | S |
| 107.783 | 0.0000 | 0.0000 | 82.990 | 0.03958 | 0.00000 | 319537.6 | 129878.0 | 183122.1 | S |
| 107.792 | 0.0000 | 0.0000 | 82.990 | 0.03957 | 0.00000 | 319537.6 | 129879.2 | 183122.1 | S |
| 107.800 | 0.0000 | 0.0000 | 82.990 | 0.03957 | 0.00000 | 319537.6 | 129880.4 | 183122.1 | S |
| 107.808 | 0.0000 | 0.0000 | 82.990 | 0.03956 | 0.00000 | 319537.6 | 129881.6 | 183122.1 | S |
| 107.817 | 0.0000 | 0.0000 | 82.989 | 0.03956 | 0.00000 | 319537.6 | 129882.8 | 183122.1 | S |
| 107.825 | 0.0000 | 0.0000 | 82.989 | 0.03955 | 0.00000 | 319537.6 | 129884.0 | 183122.1 | S |
| 107.833 | 0.0000 | 0.0000 | 82.989 | 0.03954 | 0.00000 | 319537.6 | 129885.1 | 183122.1 | S |
| 107.842 | 0.0000 | 0.0000 | 82.989 | 0.03954 | 0.00000 | 319537.6 | 129886.3 | 183122.1 | S |
| 107.850 | 0.0000 | 0.0000 | 82.989 | 0.03853 | 0.00000 | 319537.6 | 129887.5 | 183122.1 | S |
| 107.858 | 0.0000 | 0.0000 | 82.989 | 0.03953 | 0.00000 | 319537.6 | 129888.7 | 183122.1 | S |
| 107.867 | 0.0000 | 0.0000 | 82.988 | 0.03952 | 0.00000 | 319537.6 | 129889.9 | 183122.1 | S |
| 107.875 | 0.0000 | 0.0000 | 82.988 | 0.03952 | 0.00000 | 319537.6 | 129891.1 | 183122.1 | S |
| 107.883 | 0.0000 | 0.0000 | 82.988 | 0.03951 | 0.00000 | 319537.6 | 129892.3 | 183122.1 | S |
| 107.892 | 0.0000 | 0.0000 | 82.988 | 0.03951 | 0.00000 | 319537.6 | 129893.4 | 183122.1 | S |
| 107.900 | 0.0000 | 0.0000 | 82.988 | 0.03950 | 0.00000 | 319537.6 | 129894.6 | 183122.1 | S |
| 107.908 | 0.0000 | 0.0000 | 82.988 | 0.03950 | 0.00000 | 319537.6 | 129895.8 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario $1::$ pond10 100 yr $/ 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (f/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{A}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative inflow Volume $\left\langle\mathrm{ft}^{3}\right.$ ) | Cumulative Infiltration Volume ( $f^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 107.917 | 0.0000 | 0.0000 | 82.988 | 0.03949 | 0.00000 | 319537.6 | 129897.0 | 183122.1 | S |
| 107.925 | 0.0000 | 0.0000 | 82.987 | 0.03948 | 0.00000 | 319537.6 | 129898.2 | 183122.1 | S |
| 107.933 | 0.0000 | 0.0000 | 82.987 | 0.03948 | 0.00000 | 319537.6 | 129899.4 | 183122.1 | S |
| 107.942 | 0.0000 | 0.0000 | 82.987 | 0.03947 | 0.00000 | 319537.6 | 129900.6 | 183122.1 | S |
| 107.950 | 0.0000 | 0.0000 | 82.987 | 0.03947 | 0.00000 | 319537.6 | 129901.7 | 183122.1 | S |
| 107.958 | 0.0000 | 0.0000 | 82.987 | 0.03946 | 0.00000 | 319537.6 | 129902.9 | 183122.1 | S |
| 107.967 | 0.0000 | 0.0000 | 82.987 | 0.03946 | 0.00000 | 319537.6 | 129904.1 | 183122.1 | S |
| 107.975 | 0.0000 | 0.0000 | 82.986 | 0.03945 | 0.00000 | 319537.6 | 129905.3 | 183122.1 | S |
| 107.983 | 0.0000 | 0.0000 | 82.986 | 0.03945 | 0.00000 | 319537.6 | \$29906.5 | 183122.1 | S |
| 107.992 | 0.0000 | 0.0000 | 82.986 | 0.03944 | 0.00000 | 319537.6 | 129907.7 | 183122.1 | S |
| 108.000 | 0.0000 | 0.0000 | 82.986 | 0.03943 | 0.00000 | 319537.6 | 129908.8 | 183122.1 | S |
| 108.008 | 0.0000 | 0.0000 | 82.986 | 0.03943 | 0.00000 | 319537.6 | 129910.0 | 183122.1 | S |
| 108.017 | 0.0000 | 0.0000 | 82.986 | 0.03942 | 0.00000 | 319537.6 | 129911.2 | 183122.1 | S |
| 108.025 | 0.0000 | 0.0000 | 82.985 | 0.03942 | 0.00000 | 319537.6 | 129912.4 | 183122.1 | S |
| 108.033 | 0.0000 | 0.0000 | 82.985 | 0.03941 | 0.00000 | 319537.6 | 129913.6 | 183122.1 | S |
| 108.042 | 0.0000 | 0.0000 | 82.985 | 0.03941 | 0.00000 | 319537.6 | 129914.8 | 183122.1 | S |
| 108.050 | 0.0000 | 0.0000 | 82.985 | 0.03940 | 0.00000 | 319537.6 | 129915.9 | 183122.1 | S |
| 108.058 | 0.0000 | 0.0000 | 82.985 | 0.03940 | 0.00000 | 319537.6 | 129917.1 | 183122.1 | S |
| 108.067 | 0.0000 | 0.0000 | 82.985 | 0.03939 | 0.00000 | 319537.6 | 129918.3 | 183122.1 | S |
| 108.075 | 0.0000 | 0.0000 | 82.984 | 0.03939 | 0.00000 | 319537.6 | 129919.5 | 183122.1 | S |
| 108.083 | 0.0000 | 0.0000 | 82.984 | 0.03938 | 0.00000 | 319537.6 | 129920.7 | 183122.1 | S |
| 108.092 | 0.0000 | 0.0000 | 82.984 | 0.03937 | 0.00000 | 319537.6 | 129921.8 | 183122.1 | S |
| 108.100 | 0.0000 | 0.0000 | 82.984 | 0.03937 | 0.00000 | 319537.6 | 129923.0 | 183122.1 | S |
| 108.108 | 0.0000 | 0.0000 | 82.984 | 0.03936 | 0.00000 | 319537.6 | 129924.2 | 183122.1 | S |
| 108.117 | 0.0000 | 0.0000 | 82.984 | 0.03936 | 0.00000 | 319537.6 | 129925.4 | 183122.1 | S |
| 108.125 | 0.0000 | 0.0000 | 82.984 | 0.03935 | 0.00000 | 319537.6 | 129926.6 | 183122.1 | S |
| 108.133 | 0.0000 | 0.0000 | 82.983 | 0.03935 | 0.00000 | 319537.6 | 129927.7 | 183122.1 | S |
| 108.142 | 0.0000 | 0.0000 | 82.983 | 0.03934 | 0.00000 | 319537.6 | 129928.9 | 183122.1 | S |
| 108.150 | 0.0000 | 0.0000 | 82.983 | 0.03934 | 0.00000 | 319537.6 | 129930.1 | 183122.1 | S |
| 108.158 | 0.0000 | 0.0000 | 82.983 | 0.03933 | 0.00000 | 319537.6 | 129931.3 | 183122.1 | S |
| 108.167 | 0.0000 | 0.0000 | 82.983 | 0.03932 | 0.00000 | 319537.6 | 129932.5 | 183122.1 | S |
| 108.175 | 0.0000 | 0.0000 | 82.983 | 0.03932 | 0.00000 | 319537.6 | 129933.6 | 183122.1 | S |
| 108.183 | 0.0000 | 0.0000 | 82.982 | 0.03931 | 0.00000 | 319537.6 | 129934.8 | 183122.1 | S |
| 108.192 | 0.0000 | 0.0000 | 82.982 | 0.03931 | 0.00000 | 319537.6 | 129936.0 | 183122.1 | S |
| 108.200 | 0.0000 | 0.0000 | 82.982 | 0.03930 | 0.00000 | 319537.6 | 129937.2 | 183122.1 | S |
| 108.208 | 0.0000 | 0.0000 | 82.982 | 0.03930 | 0.00000 | 319537.6 | 129938.4 | 183122.1 | S |
| 108.217 | 0.0000 | 0.0000 | 82.982 | 0.03929 | 0.00000 | 319537.6 | 129939.5 | 183122.1 | S |
| 108.225 | 0.0000 | 0.0000 | 82.982 | 0.03929 | 0.00000 | 319537.6 | 129940.7 | 183122.1 | S |
| 108.233 | 0.0000 | 0.0000 | 82.981 | 0.03928 | 0.00000 | 319537.6 | 129941.9 | 183122.1 | S |
| 108.242 | 0.0000 | 0.0000 | 82.981 | 0.03928 | 0.00000 | 319537.6 | 129943.1 | $183\} 22.1$ | S |
| 108.250 | 0.0000 | 0.0000 | 82.981 | 0.03927 | 0.00000 | 319537.6 | 129944.3 | 183122.1 | S |
| 108.258 | 0.0000 | 0.0000 | 82.981 | 0.03926 | 0.00000 | 319537.6 | 129945.4 | 183122.1 | S |
| 108.267 | 0.0000 | 0.0000 | 82.981 | 0.03926 | 0.00000 | 319537.6 | 129946.6 | 183122.1 | S |
| 108.275 | 0.0000 | 0.0000 | 82.981 | 0.03925 | 0.00000 | 319537.6 | 129947.8 | 183122.1 | S |
| 108.283 | 0.0000 | 0.0000 | 82.981 | 0.03925 | 0.00000 | 319537.6 | 129949.0 | 183122.1 | S |
| 108.292 | 0.0000 | 0.0000 | 82.980 | 0.03924 | 0.00000 | 319537.6 | 129950.1 | 183122.1 | S |
| 108.300 | 0.0000 | 0.0000 | 82.980 | 0.03924 | 0.00000 | 319537.6 | 129951.3 | 183122.1 | S |
| 108.308 | 0.0000 | 0.0000 | 82.980 | 0.03923 | 0.00000 | 319537.6 | 129952.5 | 183122.1 | S |
| 108.317 | 0.0000 | 0.0000 | 82.980 | 0.03923 | 0.00000 | 319537.6 | 129953.7 | 183122.1 | S |
| 108.325 | 0.0000 | 0.0000 | 82.980 | 0.03922 | 0.00000 | 319537.6 | 129954.9 | 183122.1 | S |
| 108.333 | 0.0000 | 0.0000 | 82.980 | 0.03922 | 0.00000 | 319537.6 | 129956.0 | 183122.4 | S |
| 108.342 | 0.0000 | 0.0000 | 82.979 | 0.03921 | 0.00000 | 319537.6 | 129957.2 | 183122.1 | S |
| 108.350 | 0.0000 | 0.0000 | 82.979 | 0.03920 | 0.00000 | 319537.6 | 129958.4 | 183122.1 | S |
| 108.358 | 0.0000 | 0.0000 | 82.979 | 0.03920 | 0.00000 | 319537.6 | 129959.6 | 183122.1 | S |
| 108.367 | 0.0000 | 0.0000 | 82.979 | 0.03919 | 0.00000 | 319537.6 | 129960.7 | 183122.1 | S |
| 108.375 | 0.0000 | 0.0000 | 82.979 | 0.03919 | 0.00000 | 319537.6 | 129961.9 | 183122.1 | S |
| 108.383 | 0.0000 | 0.0000 | 82.979 | 0.03918 | 0.00000 | 319537.6 | 129963.1 | 183122.1 | S |
| 108.392 | 0.0000 | 0.0000 | 82.978 | 0.03918 | 0.00000 | 319537.6 | 129964.3 | \$83122.1 | S |
| 108.400 | 0.0000 | 0.0000 | 82.978 | 0.03917 | 0.00000 | 319537.6 | 129965.4 | 183122.1 | S |
| 108.408 | 0.0000 | 0.0000 | 82.978 | 0.03917 | 0.00000 | 319537.6 | 129966.6 | 183122.1 | S |
| 108.417 | 0.0000 | 0.0000 | 82.978 | 0.03916 | 0.00000 | 319537.6 | 129967.8 | 183122.1 | S |
| 108.425 | 0.0000 | 0.0000 | 82.978 | 0.03916 | 0.00000 | 319537.6 | 129969.0 | 183122.1 | S |
| 108.433 | 0.0000 | 0.0000 | 82.978 | 0.03915 | 0.00000 | 319537.6 | 129970.1 | 183122.1 | S |
| 108.442 | 0.0000 | 0.0000 | 82.978 | 0.03914 | 0.00000 | 319537.6 | 129971.3 | 183122.1 | S |
| 108.450 | 0.0000 | 0.0000 | 82.977 | 0.03914 | 0.00000 | 319537.6 | 129972.5 | 183122.1 | S |
| 108.458 | 0.0000 | 0.0000 | 82.977 | 0.03913 | 0.00000 | 319537.6 | 129973.7 | 183122.1 | S |
| 108.467 | 0.0000 | 0.0000 | 82.977 | 0.03913 | 0.00000 | 319537.6 | 129974.8 | 183122.1 | S |
| 108.475 | 0.0000 | 0.0000 | 82.977 | 0.03912 | 0.00000 | 319537.6 | 129976.0 | 183122.1 | S |
| 108.483 | 0.0000 | 0.0000 | 82.977 | 0.03912 | 0.00000 | 319537.6 | 129977.2 | 183122.1 | S |
| 108.492 | 0.0000 | 0.0000 | 82.977 | 0.03911 | 0.00000 | 319537.6 | 129978.4 | 183122.1 | S |
| 108.500 | 0.0000 | 0.0000 | 82.976 | 0.03911 | 0.00000 | 319537.6 | 129979.5 | \{83122.1 | S |
| 108.508 | 0.0000 | 0.0000 | 82.976 | 0.03910 | 0.00000 | 319537.6 | 129980.7 | 183122.1 | S |
| 108.517 | 0.0000 | 0.0000 | 82.976 | 0.03910 | 0.00000 | 319537.6 | 129981.9 | 183122.1 | S |
| 108.525 | 0.0000 | 0.0000 | 82.976 | 0.03909 | 0.00000 | 319537.6 | 129983.0 | 183122.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) $\because:$ Scenario $1::$ pond10 100 yr $/ 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | inflow Rate ( $\mathrm{tt}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate $\left(\mathrm{t}^{3 /} / \mathrm{s}\right)$ | Overflow Discharge ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 108.533 | 0.0000 | 0.0000 | 82.976 | 0.03908 | 0.00000 | 319537.6 | 129984.2 | 183122.1 | S |
| 108.542 | 0.0000 | 0.0000 | 82.976 | 0.03908 | 0.00000 | 319537.6 | 129985.4 | 183122.1 | S |
| 108.550 | 0.0000 | 0.0000 | 82.975 | 0.03907 | 0.00000 | 319537.6 | 129986.6 | 183122.1 | S |
| 108.558 | 0.0000 | 0.0000 | 82.975 | 0.03907 | 0.00000 | 319537.6 | 129987.7 | 183122.1 | S |
| 108.567 | 0.0000 | 0.0000 | 82.975 | 0.03906 | 0.00000 | 319537.6 | 129988.9 | 183122.1 | S |
| 108.575 | 0.0000 | 0.0000 | 82.975 | 0.03906 | 0.00000 | 319537.6 | 129990.1 | 183122.1 | S |
| 108.583 | 0.0000 | 0.0000 | 82.975 | 0.03905 | 0.00000 | 319537.6 | 129991.3 | 183122.1 | S |
| 108.592 | 0.0000 | 0.0000 | 82.975 | 0.03905 | 0.00000 | 319537.6 | 129992.4 | 183122.1 | S |
| 108.600 | 0.0000 | 0.0000 | 82.975 | 0.03904 | 0.00000 | 319537.6 | 129993.6 | 183122.1 | S |
| 108.608 | 0.0000 | 0.0000 | 82.974 | 0.03904 | 0.00000 | 319537.6 | 129994.8 | 183122.1 | S |
| 108.617 | 0.0000 | 0.0000 | 82.974 | 0.03903 | 0.00000 | 319537.6 | 129995.9 | 183122.1 | S |
| 108.625 | 0.0000 | 0.0000 | 82.974 | 0.03903 | 0.00000 | 319537.6 | 129997.1 | 183122.1 | S |
| 108.633 | 0.0000 | 0.0000 | 82.974 | 0.03902 | 0.00000 | 319537.6 | 129998.3 | 183122.1 | S |
| 108.642 | 0.0000 | 0.0000 | 82.974 | 0.03901 | 0.00000 | 319537.6 | 129999.4 | 183122.7 | S |
| 108.650 | 0.0000 | 0.0000 | 82.974 | 0.03901 | 0.00000 | 319537.6 | 130000.6 | 183122.1 | S |
| 108.658 | 0.0000 | 0.0000 | 82.973 | 0.03900 | 0.00000 | 319537.6 | 130001.8 | 183122.1 | S |
| 108.667 | 0.0000 | 0.0000 | 82.973 | 0.03900 | 0.00000 | 319537.6 | 130003.0 | 183122.1 | S |
| 108.675 | 0.0000 | 0.0000 | 82.973 | 0.03899 | 0.00000 | 319537.6 | 130004.1 | 183122.1 | S |
| 108.683 | 0.0000 | 0.0000 | 82.973 | 0.03899 | 0.00000 | 319537.6 | 130005.3 | 183122.1 | S |
| 108.692 | 0.0000 | 0.0000 | 82.973 | 0.03898 | 0.00000 | 319537.6 | 130006.5 | 183122.1 | S |
| 108.700 | 0.0000 | 0.0000 | 82.973 | 0.03898 | 0.00000 | 319537.6 | 130007.6 | 183122.1 | S |
| 108.708 | 0.0000 | 0.0000 | 82.972 | 0.03897 | 0.00000 | 319537.6 | 130008.8 | 183122.1 | S |
| 108.717 | 0.0000 | 0.0000 | 82.972 | 0.03897 | 0.00000 | 319537.6 | 130010.0 | 183122.1 | S |
| 108.725 | 0.0000 | 0.0000 | 82.972 | 0.03896 | 0.00000 | 319537.6 | 130011.1 | 183122.1 | S |
| 108.733 | 0.0000 | 0.0000 | 82.972 | 0.03895 | 0.00000 | 319537.6 | 130012.3 | 183122.1 | S |
| 108.742 | 0.0000 | 0.0000 | 82.972 | 0.03895 | 0.00000 | 319537.6 | 130013.5 | 183122.1 | S |
| 108.750 | 0.0000 | 0.0000 | 82.972 | 0.03894 | 0.00000 | 319537.6 | 130014.6 | 183122.1 | S |
| 108.758 | 0.0000 | 0.0000 | 82.972 | 0.03894 | 0.00000 | 319537.6 | 130015.8 | 183122.1 | S |
| 108.767 | 0.0000 | 0.0000 | 82.971 | 0.03893 | 0.00000 | 319537.6 | 130017.0 | 183122.1 | S |
| 108.775 | 0.0000 | 0.0000 | 82.971 | 0.03893 | 0.00000 | 319537.6 | 130018.1 | \$83122.1 | S |
| 108.783 | 0.0000 | 0.0000 | 82.971 | 0.03892 | 0.00000 | 319537.6 | 130019.3 | \$83122.1 | S |
| 108.792 | 0.0000 | 0.0000 | 82.971 | 0.03892 | 0.00000 | 319537.6 | 130020.5 | 183122.1 | S |
| 108.800 | 0.0000 | 0.0000 | 82.971 | 0.03891 | 0.00000 | 319537.6 | 130021.7 | 183122.1 | S |
| 108.808 | 0.0000 | 0.0000 | 82.971 | 0.03891 | 0.00000 | 319537.6 | 130022.8 | 183122.1 | S |
| 108.817 | 0.0000 | 0.0000 | 82.970 | 0.03890 | 0.00000 | 319537.6 | 130024.0 | 183122.1 | S |
| 108.825 | 0.0000 | 0.0000 | 82.970 | 0.03890 | 0.00000 | 319537.6 | 130025.2 | 183122.1 | S |
| 108.833 | 0.0000 | 0.0000 | 82.970 | 0.03889 | 0.00000 | 319537.6 | 130026.3 | 183122.1 | S |
| 108.842 | 0.0000 | 0.0000 | 82.970 | 0.03888 | 0.00000 | 319537.6 | 130027.5 | 183122.1 | S |
| 108.850 | 0.0000 | 0.0000 | 82.970 | 0.03888 | 0.00000 | 319537.6 | 130028.7 | 183122.1 | S |
| 108.858 | 0.0000 | 0.0000 | 82.970 | 0.03887 | 0.00000 | 319537.6 | 130029.8 | 183122.1 | S |
| 108.867 | 0.0000 | 0.0000 | 82.969 | 0.03887 | 0.00000 | 319537.6 | 130031.0 | 183122.1 | S |
| 108.875 | 0.0000 | 0.0000 | 82.969 | 0.03886 | 0.00000 | 319537.6 | 130032.1 | 183122.1 | S |
| 108.883 | 0.0000 | 0.0000 | 82.969 | 0.03886 | 0.00000 | 319537.6 | 130033.3 | 183122.1 | S |
| 108.892 | 0.0000 | 0.0000 | 82.969 | 0.03885 | 0.00000 | 319537.6 | 130034.5 | 183122.1 | S |
| 108.900 | 0.0000 | 0.0000 | 82.969 | 0.03885 | 0.00000 | 319537.6 | 130035.6 | 183122.1 | S |
| 108.908 | 0.0000 | 0.0000 | 82.969 | 0.03884 | 0.00000 | 319537.6 | 130036.8 | 183122.1 | S |
| 108.917 | 0.0000 | 0.0000 | 82.969 | 0.03884 | 0.00000 | 319537.6 | 130038.0 | 183122.1 | S |
| 108.925 | 0.0000 | 0.0000 | 82.968 | 0.03883 | 0.00000 | 319537.6 | 130039.1 | 183122.1 | S |
| 108.933 | 0.0000 | 0.0000 | 82.968 | 0.03883 | 0.00000 | 319537.6 | 130040.3 | 183122.1 | S |
| 108.942 | 0.0000 | 0.0000 | 82.968 | 0.03882 | 0.00000 | 319537.6 | 130041.5 | 183122.3 | S |
| 108.950 | 0.0000 | 0.0000 | 82.968 | 0.03881 | 0.00000 | 319537.6 | 130042.6 | 183122.1 | S |
| 108.958 | 0.0000 | 0.0000 | 82.968 | 0.03881 | 0.00000 | 319537.6 | 130043.8 | 183122.1 | S |
| 108.967 | 0.0000 | 0.0000 | 82.968 | 0.03880 | 0.00000 | 319537.6 | 130045.0 | 183122.1 | S |
| 108.975 | 0.0000 | 0.0000 | 82.967 | 0.03880 | 0.00000 | 319537.6 | 130046.1 | 183122.1 | S |
| 108.983 | 0.0000 | 0.0000 | 82.967 | 0.03879 | 0.00000 | 319537.6 | 130047.3 | 183122.1 | S |
| 108.992 | 0.0000 | 0.0000 | 82.967 | 0.03879 | 0.00000 | 319537.6 | 130048.5 | 183122.1 | S |
| 109.000 | 0.0000 | 0.0000 | 82.967 | 0.03878 | 0.00000 | 319537.6 | 130049.6 | 183122.1 | S |
| 109.008 | 0.0000 | 0.0000 | 82.967 | 0.03878 | 0.00000 | 319537.6 | 130050.8 | 183122.1 | S |
| 109.017 | 0.0000 | 0.0000 | 82.967 | 0.03877 | 0.00000 | 319537.6 | 130051.9 | 183122.1 | S |
| 109.025 | 0.0000 | 0.0000 | 82.966 | 0.03877 | 0.00000 | 319537.6 | 130053.1 | 183122.1 | S |
| 109.033 | 0.0000 | 0.0000 | 82.966 | 0.03876 | 0.00000 | 319537.6 | 130054.3 | 183122.1 | S |
| 109.042 | 0.0000 | 0.0000 | 82.966 | 0.03876 | 0.00000 | 319537.6 | 130055.4 | 183122.1 | S |
| 109.050 | 0.0000 | 0.0000 | 82.966 | 0.03875 | 0.00000 | 319537.6 | 130056.6 | 183122.1 | S |
| 109.058 | 0.0000 | 0.0000 | 82.966 | 0.03875 | 0.00000 | 319537.6 | 130057.8 | 183122.1 | S |
| 109.067 | 0.0000 | 0.0000 | 82.966 | 0.03874 | 0.00000 | 319537.6 | 130058.9 | 183122.1 | S |
| 109.075 | 0.0000 | 0.0000 | 82.966 | 0.03873 | 0.00000 | 319537.6 | 130060.1 | 183122.1 | S |
| 109.083 | 0.0000 | 0.0000 | 82.965 | 0.03873 | 0.00000 | 319537.6 | 130061.3 | 183122.1 | S |
| 109.092 | 0.0000 | 0.0000 | 82.965 | 0.03872 | 0.00000 | 319537.6 | 130062.4 | 183122.1 | S |
| 109.100 | 0.0000 | 0.0000 | 82.965 | 0.03872 | 0.00000 | 319537.6 | 130063.6 | 183122.1 | S |
| 109.108 | 0.0000 | 0.0000 | 82.965 | 0.03871 | 0.00000 | 319537.6 | 130064.7 | 183122.1 | S |
| 109.117 | 0.0000 | 0.0000 | 82.965 | 0.03871 | 0.00000 | 319537.6 | 130065.9 | 183122.5 | S |
| 109.125 | 0.0000 | 0.0000 | 82.965 | 0.03870 | 0.00000 | 319537.6 | 130067.1 | 183122.1 | S |
| 109.133 | 0.0000 | 0.0000 | 82.964 | 0.03870 | 0.00000 | 319537.6 | 130068.2 | 183122.1 | S |
| 109.142 | 0.0000 | 0.0000 | 82.964 | 0.03869 | 0.00000 | 319537.6 | 130069.4 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | inflow Rate ( $\mathrm{fl}^{3 / \mathrm{s}}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infitration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume $\left(\mathrm{ft}^{3}\right)$ | Cumulative Infiltration Volume (ft ${ }^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 109.150 | 0.0000 | 0.0000 | 82.964 | 0.03869 | 0.00000 | 319537.6 | 130070.5 | 183122.1 | S |
| 109.158 | 0.0000 | 0.0000 | 82.964 | 0.03868 | 0.00000 | 319537.6 | 130071.7 | 183122.1 | S |
| 109.167 | 0.0000 | 0.0000 | 82.964 | 0.03868 | 0.00000 | 319537.6 | 130072.9 | 183122.1 | S |
| 109.175 | 0.0000 | 0.0000 | 82.964 | 0.03867 | 0.00000 | 319537.6 | 130074.0 | 183122.1 | S |
| 109.183 | 0.0000 | 0.0000 | 82.963 | 0.03866 | 0.00000 | 319537.6 | 130075.2 | 183122.7 | S |
| 109.192 | 0.0000 | 0.0000 | 82.963 | 0.03866 | 0.00000 | 319537.6 | 130076.3 | 183122.1 | S |
| 109.200 | 0.0000 | 0.0000 | 82.963 | 0.03865 | 0.00000 | 319537.6 | 130077.5 | 183122.1 | S |
| 109.208 | 0.0000 | 0.0000 | 82.963 | 0.03865 | 0.00000 | 319537.6 | 130078.7 | 183122.1 | S |
| 109.217 | 0.0000 | 0.0000 | 82.963 | 0.03864 | 0.00000 | 319537.6 | 130079.8 | 183122.1 | S |
| 109.225 | 0.0000 | 0.0000 | 82.963 | 0.03864 | 0.00000 | 319537.6 | 130081.0 | 183122.1 | S |
| 109.233 | 0.0000 | 0.0000 | 82.963 | 0.03863 | 0.00000 | 319537.6 | 130082.1 | 183122.1 | S |
| 109.242 | 0.0000 | 0.0000 | 82.962 | 0.03863 | 0.00000 | 319537.6 | 130083.3 | 183122.1 | S |
| 109.250 | 0.0000 | 0.0000 | 82.962 | 0.03862 | 0.00000 | 319537.6 | 130084.5 | 183122.1 | S |
| 109.258 | 0.0000 | 0.0000 | 82.962 | 0.03862 | 0.00000 | 319537.6 | 130085.6 | 183122.1 | S |
| 109.267 | 0.0000 | 0.0000 | 82.962 | 0.03861 | 0.00000 | 319537.6 | 130086.8 | 183122.1 | S |
| 109.275 | 0.0000 | 0.0000 | 82.962 | 0.03861 | 0.00000 | 319537.6 | 130087.9 | 183122.1 | S |
| 109.283 | 0.0000 | 0.0000 | 82.962 | 0.03860 | 0.00000 | 319537.6 | 130089.1 | 183122.1 | S |
| 109.292 | 0.0000 | 0.0000 | 82.961 | 0.03860 | 0.00000 | 319537.6 | 130090.2 | 183122.1 | S |
| 109.300 | 0.0000 | 0.0000 | 82.961 | 0.03859 | 0.00000 | 319537.6 | 130091.4 | 183122.1 | S |
| 109.308 | 0.0000 | 0.0000 | 82.961 | 0.03859 | 0.00000 | 319537.6 | 130092.6 | 183122.1 | S |
| 109.317 | 0.0000 | 0.0000 | 82.961 | 0.03858 | 0.00000 | 319537.6 | 130093.7 | 183122.1 | S |
| 109.325 | 0.0000 | 0.0000 | 82.961 | 0.03857 | 0.00000 | 319537.6 | 130094.9 | 183122.4 | S |
| 109.333 | 0.0000 | 0.0000 | 82.961 | 0.03857 | 0.00000 | 319537.6 | 130096.0 | 183122.1 | S |
| 109.342 | 0.0000 | 0.0000 | 82.961 | 0.03856 | 0.00000 | 319537.6 | 130097.2 | 183122.1 | S |
| 109.350 | 0.0000 | 0.0000 | 82.960 | 0.03856 | 0.00000 | 319537.6 | 130098.3 | 183122.1 | S |
| 109.358 | 0.0000 | 0.0000 | 82.360 | 0.03855 | 0.00000 | 319537.6 | 130099.5 | 183122.1 | S |
| 109.367 | 0.0000 | 0.0000 | 82.960 | 0.03855 | 0.00000 | 319537.6 | 130100.7 | 183122.1 | S |
| 109.375 | 0.0000 | 0.0000 | 82.960 | 0.03854 | 0.00000 | 319537.6 | 130101.8 | 183122.1 | S |
| 109.383 | 0.0000 | 0.0000 | 82.960 | 0.03854 | 0.00000 | 319537.6 | 130103.0 | 183122.1 | S |
| 109.392 | 0.0000 | 0.0000 | 82.960 | 0.03853 | 0.00000 | 319537.6 | 130104.1 | 183122.1 | S |
| 109.400 | 0.0000 | 0.0000 | 82.959 | 0.03853 | 0.00000 | 319537.6 | 130105.3 | 183122.1 | S |
| 109.408 | 0.0000 | 0.0000 | 82.959 | 0.03852 | 0.00000 | 319537.6 | 130106.4 | 183122.1 | S |
| 109.417 | 0.0000 | 0.0000 | 82.959 | 0.03852 | 0.00000 | 319537.6 | 130107.6 | 183122.1 | S |
| 109.425 | 0.0000 | 0.0000 | 82.959 | 0.03851 | 0.00000 | 319537.6 | 130108.8 | 183122.1 | S |
| 109.433 | 0.0000 | 0.0000 | 82.959 | 0.03851 | 0.00000 | 319537.6 | 130109.9 | 183122.1 | S |
| 109.442 | 0.0000 | 0.0000 | 82.959 | 0.03850 | 0.00000 | 319537.6 | 130171.1 | 183122.1 | S |
| 109.450 | 0.0000 | 0.0000 | 82.958 | 0.03849 | 0.00000 | 319537.6 | 130112.2 | 183122.1 | S |
| 109.458 | 0.0000 | 0.0000 | 82.958 | 0.03849 | 0.00000 | 319537.6 | 130113.4 | 183122.1 | S |
| 109.467 | 0.0000 | 0.0000 | 82.958 | 0.03848 | 0.00000 | 319537.6 | 130114.5 | 183122.1 | S |
| 109.475 | 0.0000 | 0.0000 | 82.958 | 0.03848 | 0.00000 | 319537.6 | 130115.7 | 183122.4 | S |
| 109.483 | 0.0000 | 0.0000 | 82.958 | 0.03847 | 0.00000 | 319537.6 | 130116.8 | 183122.1 | S |
| 109.492 | 0.0000 | 0.0000 | 82.958 | 0.03847 | 0.00000 | 319537.6 | 130118.0 | 183122.1 | S |
| 109.500 | 0.0000 | 0.0000 | 82.958 | 0.03846 | 0.00000 | 319537.6 | 130119.1 | 483122.1 | S |
| 109.508 | 0.0000 | 0.0000 | 82.957 | 0.03846 | 0.00000 | 319537.6 | 130120.3 | 183122.1 | S |
| 109.517 | 0.0000 | 0.0000 | 82.957 | 0.03845 | 0.00000 | 319537.6 | 130121.5 | 183122.1 | S |
| 109.525 | 0.0000 | 0.0000 | 82.957 | 0.03845 | 0.00000 | 319537.6 | 130122.6 | 183122.1 | S |
| 109.533 | 0.0000 | 0.0000 | 82.957 | 0.03844 | 0.00000 | 319537.6 | 130123.8 | 183122.1 | S |
| 109.542 | 0.0000 | 0.0000 | 82.957 | 0.03844 | 0.00000 | 319537.6 | 130124.9 | 183122.1 | S |
| 109.550 | 0.0000 | 0.0000 | 82.957 | 0.03843 | 0.00000 | 319537.6 | 130126.1 | 183122.1 | S |
| 109.558 | 0.0000 | 0.0000 | 82.956 | 0.03843 | 0.00000 | 319537.6 | 130127.2 | 183122.1 | S |
| 109.567 | 0.0000 | 0.0000 | 82.956 | 0.03842 | 0.00000 | 319537.6 | 130128.4 | 183122.1 | S |
| 109.575 | 0.0000 | 0.0000 | 82.956 | 0.03842 | 0.00000 | 319537.6 | 130129.5 | 183122.1 | S |
| 109.583 | 0.0000 | 0.0000 | 82.956 | 0.03841 | 0.00000 | 319537.6 | 130130.7 | 183122.1 | S |
| 109.592 | 0.0000 | 0.0000 | 82.956 | 0.03840 | 0.00000 | 319537.6 | 130131.8 | 183122.1 | S |
| 109.600 | 0.0000 | 0.0000 | 82.956 | 0.03840 | 0.00000 | 319537.6 | 130133.0 | 183122.1 | S |
| 109.608 | 0.0000 | 0.0000 | 82.956 | 0.03839 | 0.00000 | 319537.6 | 130134.1 | 183122.1 | S |
| 109.617 | 0.0000 | 0.0000 | 82.955 | 0.03839 | 0.00000 | 319537.6 | 130135.3 | 183122.1 | S |
| 109.625 | 0.0000 | 0.0000 | 82.955 | 0.03838 | 0.00000 | 319537.6 | 130136.4 | 183122.1 | S |
| 109.633 | 0.0000 | 0.0000 | 82.955 | 0.03838 | 0.00000 | 319537.6 | 130137.6 | 183122.1 | S |
| 109.642 | 0.0000 | 0.0000 | 82.955 | 0.03837 | 0.00000 | 319537.6 | 130138.7 | 183122.1 | S |
| 109.650 | 0.0000 | 0.0000 | 82.955 | 0.03837 | 0.00000 | 319537.6 | 130139.9 | 183122.1 | S |
| 109.658 | 0.0000 | 0.0000 | 82.955 | 0.03836 | 0.00000 | 319537.6 | 130141.0 | 183122.1 | S |
| 109.667 | 0.0000 | 0.0000 | 82.954 | 0.03836 | 0.00000 | 319537.6 | 130142.2 | 183122.1 | S |
| 109.675 | 0.0000 | 0.0000 | 82.954 | 0.03835 | 0.00000 | 319537.6 | 130143.3 | 183122.1 | S |
| 109.683 | 0.0000 | 0.0000 | 82.954 | 0.03835 | 0.00000 | 319537.6 | 130144.5 | 183122.1 | S |
| 109.692 | 0.0000 | 0.0000 | 82.954 | 0.03834 | 0.00000 | 319537.6 | 130145.6 | 183122.1 | S |
| 109.700 | 0.0000 | 0.0000 | 82.954 | 0.03834 | 0.00000 | 319537.6 | 130146.8 | 183122.1 | S |
| 109.708 | 0.0000 | 0.0000 | 82.954 | 0.03833 | 0.00000 | 319537.6 | 130147.9 | 183122.1 | S |
| 109.717 | 0.0000 | 0.0000 | 82.953 | 0.03833 | 0.00000 | 319537.6 | 130149.1 | 183122.1 | S |
| 109.725 | 0.0000 | 0.0000 | 82.953 | 0.03832 | 0.00000 | 319537.6 | 130150.2 | 183122.1 | S |
| 109.733 | 0.0000 | 0.0000 | 82.953 | 0.03832 | 0.00000 | 319537.6 | 130151.4 | 183122.1 | S |
| 109.742 | 0.0000 | 0.0000 | 82.953 | 0.03831 | 0.00000 | 319537.6 | 130152.5 | 183122.1 | S |
| 109.750 | 0.0000 | 0.0000 | 82.953 | 0.03830 | 0.00000 | 319537.6 | 130153.7 | 183122.1 | S |
| 109.758 | 0.0000 | 0.0000 | 82.953 | 0.03830 | 0.00000 | 319537.6 | 130154.8 | 183122.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{t}^{3 / \mathrm{s}}$ ) | Outside Recharge (fvday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{Ht}^{3 / 3} \mathrm{~s}$ ) | Overflow Discharge ( $f^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume $\left(\mathrm{ft}^{3}\right)$ | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 109.767 | 0.0000 | 0.0000 | 82.953 | 0.03829 | 0.00000 | 319537.6 | 130156.0 | 183122.1 | S |
| 109.775 | 0.0000 | 0.0000 | 82.952 | 0.03829 | 0.00000 | 319537.6 | 130157.1 | 183122.1 | S |
| 109.783 | 0.0000 | 0.0000 | 82.952 | 0.03828 | 0.00000 | 319537.6 | 130158.3 | 183122.1 | S |
| 109.792 | 0.0000 | 0.0000 | 82.952 | 0.03828 | 0.00000 | 319537.6 | 130159.4 | 183122.1 | S |
| 109.800 | 0.0000 | 0.0000 | 82.952 | 0.03827 | 0.00000 | 319537.6 | 130160.6 | 183122.1 | S |
| 109.808 | 0.0000 | 0.0000 | 82.952 | 0.03827 | 0.00000 | 319537.6 | 130161.7 | 183122.1 | S |
| 109.817 | 0.0000 | 0.0000 | 82.952 | 0.03826 | 0.00000 | 319537.6 | 130162.9 | 183122.1 | S |
| 109.825 | 0.0000 | 0.0000 | 82.951 | 0.03826 | 0.00000 | 319537.6 | 130164.0 | 183122.1 | S |
| 109.833 | 0.0000 | 0.0000 | 82.951 | 0.03825 | 0.00000 | 319537.6 | 130165.2 | 183122.1 | S |
| 109.842 | 0.0000 | 0.0000 | 82.951 | 0.03825 | 0.00000 | 319537.6 | 130166.3 | 183122.1 | S |
| 109.850 | 0.0000 | 0.0000 | 82.951 | 0.03824 | 0.00000 | 319537.6 | 130167.5 | $\uparrow 83122.1$ | S |
| 109.858 | 0.0000 | 0.0000 | 82.951 | 0.03824 | 0.00000 | 319537.6 | 130168.6 | 183122.4 | S |
| 109.867 | 0.0000 | 0.0000 | 82.951 | 0.03823 | 0.00000 | 319537.6 | 130169.8 | 183122.1 | S |
| 109.875 | 0.0000 | 0.0000 | 82.951 | 0.03823 | 0.00000 | 319537.6 | 130170.9 | 183122.1 | S |
| 109.883 | 0.0000 | 0.0000 | 82.950 | 0.03822 | 0.00000 | 319537.6 | 130172.1 | 183122.1 | S |
| 109.892 | 0.0000 | 0.0000 | 82.950 | 0.03822 | 0.00000 | 319537.6 | 130173.2 | 183122.1 | S |
| 109.900 | 0.0000 | 0.0000 | 82.950 | 0.03821 | 0.00000 | 319537.6 | 130174.3 | 183122.1 | S |
| 109.908 | 0.0000 | 0.0000 | 82.950 | 0.03820 | 0.00000 | 319537.6 | 130175.5 | 183122.1 | S |
| 109.917 | 0.0000 | 0.0000 | 82.950 | 0.03820 | 0.00000 | 319537.6 | 130176.6 | 183122.1 | S |
| 109.925 | 0.0000 | 0.0000 | 82.950 | 0.03819 | 0.00000 | 319537.6 | 130177.8 | 183122.1 | S |
| 109.933 | 0.0000 | 0.0000 | 82.949 | 0.03819 | 0.00000 | 319537.6 | 130178.9 | 183122.1 | S |
| 109.942 | 0.0000 | 0.0000 | 82.949 | 0.03818 | 0.00000 | 319537.6 | 130180.1 | 183122.1 | S |
| 109.950 | 0.0000 | 0.0000 | 82.949 | 0.03818 | 0.00000 | 319537.6 | 130181.2 | 183122.1 | S |
| 109.958 | 0.0000 | 0.0000 | 82.949 | 0.03817 | 0.00000 | 319537.6 | 130182.4 | 183122.1 | S |
| 109.967 | 0.0000 | 0.0000 | 82.949 | 0.03817 | 0.00000 | 319537.6 | 130183.5 | 183122.1 | S |
| 109.975 | 0.0000 | 0.0000 | 82.949 | 0.03816 | 0.00000 | 319537.6 | 130184.7 | 183122.1 | S |
| 109.983 | 0.0000 | 0.0000 | 82.949 | 0.03816 | 0.00000 | 319537.6 | 130185.8 | 183122.1 | S |
| 109.992 | 0.0000 | 0.0000 | 82.948 | 0.03815 | 0.00000 | 319537.6 | 130186.9 | 183122.1 | S |
| 110.000 | 0.0000 | 0.0000 | 82.948 | 0.03815 | 0.00000 | 319537.6 | 130188.1 | 183122.1 | S |
| 110.008 | 0.0000 | 0.0000 | 82.948 | 0.03814 | 0.00000 | 319537.6 | 130189.2 | 183122.1 | S |
| 110.017 | 0.0000 | 0.0000 | 82.948 | 0.03814 | 0.00000 | 319537.6 | 130190.4 | 183122.1 | S |
| 110.025 | 0.0000 | 0.0000 | 82.948 | 0.03813 | 0.00000 | 319537.6 | 130191.5 | 183122.1 | S |
| 110.033 | 0.0000 | 0.0000 | 82.948 | 0.03813 | 0.00000 | 319537.6 | 130192.7 | 183122.1 | S |
| 110.042 | 0.0000 | 0.0000 | 82.947 | 0.03812 | 0.00000 | 319537.6 | 130193.8 | 183122.1 | S |
| 110.050 | 0.0000 | 0.0000 | 82.947 | 0.03812 | 0.00000 | 319537.6 | 130195.0 | 183122.1 | S |
| 110.058 | 0.0000 | 0.0000 | 82.947 | 0.03811 | 0.00000 | 319537.6 | 130196.1 | 183122.1 | S |
| 110.067 | 0.0000 | 0.0000 | 82.947 | 0.03811 | 0.00000 | 319537.6 | 130197.2 | 183122.1 | S |
| 110.075 | 0.0000 | 0.0000 | 82.947 | 0.03810 | 0.00000 | 319537.6 | 130198.4 | 183122.1 | S |
| 110.083 | 0.0000 | 0.0000 | 82.947 | 0.03810 | 0.00000 | 319537.6 | 130199.5 | 183122.1 | S |
| 110.092 | 0.0000 | 0.0000 | 82.947 | 0.03809 | 0.00000 | 319537.6 | 130200.7 | 183122.1 | S |
| 110.100 | 0.0000 | 0.0000 | 82.946 | 0.03808 | 0.00000 | 319537.6 | 130201.8 | 183122.1 | S |
| 110.108 | 0.0000 | 0.0000 | 82.946 | 0.03808 | 0.00000 | 319537.6 | 130203.0 | 183122.1 | S |
| 110.117 | 0.0000 | 0.0000 | 82.946 | 0.03807 | 0.00000 | 319537.6 | 130204.1 | 183122.1 | S |
| 110.125 | 0.0000 | 0.0000 | 82.946 | 0.03807 | 0.00000 | 319537.6 | 130205.2 | 183122.1 | S |
| 110.133 | 0.0000 | 0.0000 | 82.946 | 0.03806 | 0.00000 | 319537.6 | 130206.4 | 183122.1 | S |
| 110.142 | 0.0000 | 0.0000 | 82.946 | 0.03806 | 0.00000 | 319537.6 | 130207.5 | 183122.1 | S |
| 110.150 | 0.0000 | 0.0000 | 82.945 | 0.03805 | 0.00000 | 319537.6 | 130208.7 | 183122.1 | S |
| 110.158 | 0.0000 | 0.0000 | 82.945 | 0.03805 | 0.00000 | 319537.6 | 130209.8 | 183122.1 | S |
| 110.167 | 0.0000 | 0.0000 | 82.945 | 0.03804 | 0.00000 | 319537.6 | 130210.9 | 183122.1 | S |
| 110.175 | 0.0000 | 0.0000 | 82.945 | 0.03804 | 0.00000 | 319537.6 | 130212.1 | 183122.1 | S |
| 110.183 | 0.0000 | 0.0000 | 82.945 | 0.03803 | 0.00000 | 319537.6 | 130213.2 | 183122.1 | S |
| 110.192 | 0.0000 | 0.0000 | 82.945 | 0.03803 | 0.00000 | 319537.6 | 130214.4 | 183122.1 | S |
| 110.200 | 0.0000 | 0.0000 | 82.944 | 0.03802 | 0.00000 | 319537.6 | 130215.5 | 183122.1 | S |
| 110.208 | 0.0000 | 0.0000 | 82.944 | 0.03802 | 0.00000 | 319537.6 | 130216.7 | 183122.1 | S |
| 110.217 | 0.0000 | 0.0000 | 82.944 | 0.03801 | 0.00000 | 319537.6 | 130217.8 | 183122.1 | S |
| 110.225 | 0.0000 | 0.0000 | 82.944 | 0.03801 | 0.00000 | 319537.6 | 130218.9 | 183122.1 | S |
| 110.233 | 0.0000 | 0.0000 | 82.944 | 0.03800 | 0.00000 | 319537.6 | 130220.1 | 183122.1 | S |
| 110.242 | 0.0000 | 0.0000 | 82.944 | 0.03800 | 0.00000 | 319537.6 | 130221.2 | 183122.1 | S |
| 110.250 | 0.0000 | 0.0000 | 82.944 | 0.03799 | 0.00000 | 319537.6 | 130222.4 | 183122.1 | S |
| 110.258 | 0.0000 | 0.0000 | 82.943 | 0.03799 | 0.00000 | 319537.6 | 130223.5 | 183122.1 | S |
| 110.267 | 0.0000 | 0.0000 | 82.943 | 0.03798 | 0.00000 | 319537.6 | 130224.6 | 183122.1 | S |
| 110.275 | 0.0000 | 0.0000 | 82.943 | 0.03798 | 0.00000 | 319537.6 | 130225.8 | 183122.1 | S |
| 110.283 | 0.0000 | 0.0000 | 82.943 | 0.03797 | 0.00000 | 319537.6 | 130226.9 | 183122.1 | S |
| 110.292 | 0.0000 | 0.0000 | 82.943 | 0.03797 | 0.00000 | 319537.6 | 130228.0 | 183122.1 | S |
| 110.300 | 0.0000 | 0.0000 | 82.943 | 0.03796 | 0.00000 | 319537.6 | 130229.2 | 183122.1 | S |
| 110.308 | 0.0000 | 0.0000 | 82.942 | 0.03795 | 0.00000 | 319537.6 | 130230.3 | 183122.1 | S |
| 110.317 | 0.0000 | 0.0000 | 82.942 | 0.03795 | 0.00000 | 319537.6 | $\dagger 30231.5$ | 183122.1 | S |
| 110.325 | 0.0000 | 0.0000 | 82.942 | 0.03794 | 0.00000 | 319537.6 | 130232.6 | 183122.1 | S |
| 110.333 | 0.0000 | 0.0000 | 82.942 | 0.03794 | 0.00000 | 319537.6 | 130233.7 | 183122.1 | S |
| 110.342 | 0.0000 | 0.0000 | 82.942 | 0.03793 | 0.00000 | 319537.6 | 130234.9 | 183122.1 | S |
| 110.350 | 0.0000 | 0.0000 | 82.942 | 0.03793 | 0.00000 | 319537.6 | 130236.0 | 183122.1 | S |
| 110.358 | 0.0000 | 0.0000 | 82.942 | 0.03792 | 0.00000 | 319537.6 | 130237.2 | 183122.1 | S |
| 110.367 | 0.0000 | 0.0000 | 82.941 | 0.03792 | 0.00000 | 319537.6 | 130238.3 | 183122.1 | S |
| 110.375 | 0.0000 | 0.0000 | 82.941 | 0.03791 | 0.00000 | 319537.6 | 130239.4 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate (ft3/s) | Overflow Discharge ( $\mathrm{H}^{3 / \mathrm{s}}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume (ft ${ }^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 110.383 | 0.0000 | 0.0000 | 82.941 | 0.03791 | 0.00000 | 319537.6 | 130240.6 | 183122.1 | S |
| 110.392 | 0.0000 | 0.0000 | 82.941 | 0.03790 | 0.00000 | 319537.6 | 130241.7 | 183122.1 | S |
| 110.400 | 0.0000 | 0.0000 | 82.941 | 0.03790 | 0.00000 | 319537.6 | 130242.8 | 183122.1 | S |
| 110.408 | 0.0000 | 0.0000 | 82.941 | 0.03789 | 0.00000 | 319537.6 | 130244.0 | 183122.1 | S |
| 110.417 | 0.0000 | 0.0000 | 82.940 | 0.03789 | 0.00000 | 319537.6 | 130245.1 | 183122.1 | S |
| 110.425 | 0.0000 | 0.0000 | 82.940 | 0.03788 | 0.00000 | 319537.6 | 130246.3 | 183122.1 | S |
| 110.433 | 0.0000 | 0.0000 | 82.940 | 0.03788 | 0.00000 | 319537.6 | 130247.4 | 183122.1 | S |
| 110.442 | 0.0000 | 0.0000 | 82.940 | 0.03787 | 0.00000 | 319537.6 | 130248.5 | 183122.1 | S |
| 110.450 | 0.0000 | 0.0000 | 82.940 | 0.03787 | 0.00000 | 319537.6 | 130249.7 | 183122.1 | S |
| 110.458 | 0.0000 | 0.0000 | 82.940 | 0.03786 | 0.00000 | 319537.6 | 130250.8 | 183122.1 | S |
| 110.467 | 0.0000 | 0.0000 | 82.940 | 0.03786 | 0.00000 | 319537.6 | 130251.9 | 183122.1 | S |
| 110.475 | 0.0000 | 0.0000 | 82.939 | 0.03785 | 0.00000 | 319537.6 | 130253.1 | $\uparrow 83122.1$ | S |
| 110.483 | 0.0000 | 0.0000 | 82.939 | 0.03785 | 0.00000 | 319537.6 | 130254.2 | 183122.1 | S |
| 110.492 | 0.0000 | 0.0000 | 82.939 | 0.03784 | 0.00000 | 319537.6 | 130255.3 | 183122.1 | S |
| 110.500 | 0.0000 | 0.0000 | 82.939 | 0.03784 | 0.00000 | 319537.6 | 130256.5 | 183122.1 | S |
| 110.508 | 0.0000 | 0.0000 | 82.939 | 0.03783 | 0.00000 | 319537.6 | 130257.6 | 183122.1 | S |
| 110.517 | 0.0000 | 0.0000 | 82.939 | 0.03783 | 0.00000 | 319537.6 | 130258.7 | 183122.1 | S |
| 110.525 | 0.0000 | 0.0000 | 82.938 | 0.03782 | 0.00000 | 319537.6 | 130259.9 | 183122.1 | S |
| 110.533 | 0.0000 | 0.0000 | 82.938 | 0.03782 | 0.00000 | 319537.6 | 130261.0 | 183122.1 | S |
| 110.542 | 0.0000 | 0.0000 | 82.938 | 0.03781 | 0.00000 | 319537.6 | 130262.1 | 183122.1 | S |
| 110.550 | 0.0000 | 0.0000 | 82.938 | 0.03780 | 0.00000 | 319537.6 | 130263.3 | 183122.1 | S |
| 110.558 | 0.0000 | 0.0000 | 82.938 | 0.03780 | 0.00000 | 319537.6 | 130264.4 | 183122.1 | S |
| 110.567 | 0.0000 | 0.0000 | 82.938 | 0.03779 | 0.00000 | 319537.6 | 130265.6 | 183122.1 | S |
| 110.575 | 0.0000 | 0.0000 | 82.938 | 0.03779 | 0.00000 | 319537.6 | 130266.7 | 183122.1 | S |
| 110.583 | 0.0000 | 0.0000 | 82.937 | 0.03778 | 0.00000 | 319537.6 | 130267.8 | 183122.1 | S |
| 110.592 | 0.0000 | 0.0000 | 82.937 | 0.03778 | 0.00000 | 319537.6 | 130269.0 | 183122.1 | S |
| 110.600 | 0.0000 | 0.0000 | 82.937 | 0.03777 | 0.00000 | 319537.6 | 130270.1 | 183122.1 | S |
| 110.608 | 0.0000 | 0.0000 | 82.937 | 0.03777 | 0.00000 | 319537.6 | 130271.2 | 183122.1 | S |
| 110.617 | 0.0000 | 0.0000 | 82.937 | 0.03776 | 0.00000 | 319537.6 | 130272.4 | 183122.1 | S |
| 110.625 | 0.0000 | 0.0000 | 82.937 | 0.03776 | 0.00000 | 319537.6 | 130273.5 | 183122.1 | S |
| 110.633 | 0.0000 | 0.0000 | 82.936 | 0.03775 | 0.00000 | 319537.6 | 130274.6 | 183122.1 | S |
| 110.642 | 0.0000 | 0.0000 | 82.936 | 0.03775 | 0.00000 | 319537.6 | 130275.8 | 183122.1 | S |
| 110.650 | 0.0000 | 0.0000 | 82.936 | 0.03774 | 0.00000 | 319537.6 | 130276.9 | 183122.1 | S |
| 110.658 | 0.0000 | 0.0000 | 82.936 | 0.03774 | 0.00000 | 319537.6 | 130278.0 | 183122.1 | S |
| 110.667 | 0.0000 | 0.0000 | 82.936 | 0.03773 | 0.00000 | 319537.6 | 130279, 1 | 183122.1 | S |
| 110.675 | 0.0000 | 0.0000 | 82.936 | 0.03773 | 0.00000 | 319537.6 | 130280.3 | 183122.1 | S |
| 110.683 | 0.0000 | 0.0000 | 82.936 | 0.03772 | 0.00000 | 319537.6 | 130281.4 | 183122.3 | S |
| 110.692 | 0.0000 | 0.0000 | 82.935 | 0.03772 | 0.00000 | 319537.6 | 130282.5 | 183122.1 | S |
| 110.700 | 0.0000 | 0.0000 | 82.935 | 0.03771 | 0.00000 | 319537.6 | 130283.7 | 183122.1 | S |
| 110.708 | 0.0000 | 0.0000 | 82.935 | 0.03771 | 0.00000 | 319537.6 | 130284.8 | 183122.1 | S |
| 110.717 | 0.0000 | 0.0000 | 82.935 | 0.03770 | 0.00000 | 319537.6 | 130285.9 | 183122.1 | S |
| 110.725 | 0.0000 | 0.0000 | 82.935 | 0.03770 | 0.00000 | 319537.6 | 130287.1 | 183122.1 | S |
| 110.733 | 0.0000 | 0.0000 | 82.935 | 0.03769 | 0.00000 | 319537.6 | 130288.2 | 183122.1 | S |
| 110.742 | 0.0000 | 0.0000 | 82.934 | 0.03769 | 0.00000 | 319537.6 | 130289.3 | 183122.1 | S |
| 110.750 | 0.0000 | 0.0000 | 82.934 | 0.03768 | 0.00000 | 319537.6 | 130290.5 | 183122.1 | S |
| 110.758 | 0.0000 | 0.0000 | 82.934 | 0.03768 | 0.00000 | 319537.6 | 130291.6 | 183122.1 | S |
| 110.767 | 0.0000 | 0.0000 | 82.934 | 0.03767 | 0.00000 | 319537.6 | 130292.7 | 183122.1 | S |
| 110.775 | 0.0000 | 0.0000 | 82.934 | 0.03767 | 0.00000 | 319537.6 | 130293.9 | 183122.1 | S |
| 110.783 | 0.0000 | 0.0000 | 82.934 | 0.03766 | 0.00000 | 319537.6 | 130295.0 | 183122.1 | S |
| 110.792 | 0.0000 | 0.0000 | 82.934 | 0.03766 | 0.00000 | 319537.6 | 130296.1 | 183122.1 | S |
| 110.800 | 0.0000 | 0.0000 | 82.933 | 0.03765 | 0.00000 | 319537.6 | 130297.2 | 183122.1 | S |
| 110.808 | 0.0000 | 0.0000 | 82.933 | 0.03765 | 0.00000 | 319537.6 | 130298.4 | 183122.1 | S |
| 110.817 | 0.0000 | 0.0000 | 82.933 | 0.03764 | 0.00000 | 319537.6 | 130299.5 | 183122.1 | S |
| 110.825 | 0.0000 | 0.0000 | 82.933 | 0.03764 | 0.00000 | 319537.6 | 130300.6 | 183122.1 | S |
| 110.833 | 0.0000 | 0.0000 | 82.933 | 0.03763 | 0.00000 | 319537.6 | 130301.8 | 183122.1 | S |
| 110.842 | 0.0000 | 0.0000 | 82.933 | 0.03763 | 0.00000 | 319537.6 | 130302.9 | 183122.1 | S |
| 110.850 | 0.0000 | 0.0000 | 82.932 | 0.03762 | 0.00000 | 319537.6 | 130304.0 | 183122.1 | S |
| 110.858 | 0.0000 | 0.0000 | 82.932 | 0.03767 | 0.00000 | 319537.6 | 130305.1 | 183122.1 | S |
| 110.867 | 0.0000 | 0.0000 | 82.932 | 0.03761 | 0.00000 | 319537.6 | 130306.3 | 183122.1 | S |
| 110.875 | 0.0000 | 0.0000 | 82.932 | 0.03760 | 0.00000 | 319537.6 | 130307.4 | 183122.9 | S |
| 110.883 | 0.0000 | 0.0000 | 82.932 | 0.03760 | 0.00000 | 319537.6 | 130308.5 | 183122.1 | S |
| 110.892 | 0.0000 | 0.0000 | 82.932 | 0.03759 | 0.00000 | 319537.6 | 130309.7 | 183122.1 | S |
| 110.900 | 0.0000 | 0.0000 | 82.932 | 0.03759 | 0.00000 | 319537.6 | 130310.8 | 183122.1 | S |
| 110.908 | 0.0000 | 0.0000 | 82.931 | 0.03758 | 0.00000 | 319537.6 | 130311.9 | 183122.1 | S |
| 110.917 | 0.0000 | 0.0000 | 82.931 | 0.03758 | 0.00000 | 319537.6 | 130313.0 | 183122.1 | S |
| 110.925 | 0.0000 | 0.0000 | 82.931 | 0.03757 | 0.00000 | 319537.6 | 130314.2 | 183122.1 | S |
| 110.933 | 0.0000 | 0.0000 | 82.931 | 0.03757 | 0.00000 | 319537.6 | 130315.3 | 183122.1 | S |
| 110.942 | 0.0000 | 0.0000 | 82.931 | 0.03756 | 0.00000 | 319537.6 | 130316.4 | 183122.1 | S |
| 110.950 | 0.0000 | 0.0000 | 82.931 | 0.03756 | 0.00000 | 319537.6 | 130317.5 | 183122.1 | S |
| 110.958 | 0.0000 | 0.0000 | 82.930 | 0.03755 | 0.00000 | 319537.6 | 130318.7 | 483122.1 | S |
| 110.967 | 0.0000 | 0.0000 | 82.930 | 0.03755 | 0.00000 | 3\{9537.6 | 130319.8 | 183122.1 | S |
| 110.975 | 0.0000 | 0.0000 | 82.930 | 0.03754 | 0.00000 | 319537.6 | 130320.9 | 183122.1 | S |
| 110.983 | 0.0000 | 0.0000 | 82.930 | 0.03754 | 0.00000 | 319537.6 | 130322.1 | 183122.1 | S |
| 110.992 | 0.0000 | 0.0000 | 82.930 | 0.03753 | 0.00000 | 319537.6 | 130323.2 | 183122.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge (f13/s) | Cumulative Inflow <br> Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 111.000 | 0.0000 | 0.0000 | 82.930 | 0.03753 | 0.00000 | 319537.6 | 130324.3 | 183122.1 | S |
| 111.008 | 0.0000 | 0.0000 | 82.930 | 0.03752 | 0.00000 | 319537.6 | 130325.4 | 183122.1 | S |
| 111.017 | 0.0000 | 0.0000 | 82.929 | 0.03752 | 0.00000 | 319537.6 | 130326.6 | 183122.1 | S |
| 111.025 | 0.0000 | 0.0000 | 82.929 | 0.03751 | 0.00000 | 319537.6 | 130327.7 | 183122.1 | S |
| 111.033 | 0.0000 | 0.0000 | 82.929 | 0.03751 | 0.00000 | 319537.6 | 130328.8 | 183122.1 | S |
| 111.042 | 0.0000 | 0.0000 | 82.929 | 0.03750 | 0.00000 | 319537.6 | 130329.9 | 183122.1 | S |
| 111.050 | 0.0000 | 0.0000 | 82.929 | 0.03750 | 0.00000 | 319537.6 | 130331.1 | 183122.1 | S |
| 111.058 | 0.0000 | 0.0000 | 82.929 | 0.03749 | 0.00000 | 319537.6 | 130332.2 | 183122.1 | S |
| 111.067 | 0.0000 | 0.0000 | 82.928 | 0.03749 | 0.00000 | 319537.6 | 130333.3 | 183122.1 | S |
| 111.075 | 0.0000 | 0.0000 | 82.928 | 0.03748 | 0.00000 | 319537.6 | 130334.4 | 183122.1 | S |
| 111.083 | 0.0000 | 0.0000 | 82.928 | 0.03748 | 0.00000 | 319537.6 | 130335.6 | 183122.1 | S |
| 111.092 | 0.0000 | 0.0000 | 82.928 | 0.03747 | 0.00000 | 319537.6 | 130336.7 | 183122.1 | S |
| 111.100 | 0.0000 | 0.0000 | 82.928 | 0.03747 | 0.00000 | 319537.6 | 130337.8 | 183122.1 | S |
| 111.108 | 0.0000 | 0.0000 | 82.928 | 0.03746 | 0.00000 | 319537.6 | 130338.9 | 183122.1 | S |
| 111.117 | 0.0000 | 0.0000 | 82.928 | 0.03746 | 0.00000 | 319537.6 | 130340.0 | 183122.1 | S |
| 111.125 | 0.0000 | 0.0000 | 82.927 | 0.03745 | 0.00000 | 319537.6 | 130341.2 | 183122.1 | S |
| 111.133 | 0.0000 | 0.0000 | 82.927 | 0.03745 | 0.00000 | 319537.6 | 130342.3 | 183122.1 | S |
| 111.142 | 0.0000 | 0.0000 | 82.927 | 0.03744 | 0.00000 | 319537.6 | 130343.4 | 183122.1 | S |
| 111.150 | 0.0000 | 0.0000 | 82.927 | 0.03744 | 0.00000 | 319537.6 | 130344.5 | 183122.1 | S |
| 111.158 | 0.0000 | 0.0000 | 82.927 | 0.03743 | 0.00000 | 319537.6 | 130345.7 | 183122.1 | S |
| 111.167 | 0.0000 | 0.0000 | 82.927 | 0.03743 | 0.00000 | 319537.6 | 130346.8 | 183122.1 | S |
| 111.175 | 0.0000 | 0.0000 | 82.926 | 0.03742 | 0.00000 | 319537.6 | 130347.9 | 183122.1 | S |
| 111.183 | 0.0000 | 0.0000 | 82.926 | 0.03742 | 0.00000 | 319537.6 | 130349.0 | 183122.1 | S |
| 111.192 | 0.0000 | 0.0000 | 82.926 | 0.03741 | 0.00000 | 319537.6 | 130350.2 | 183122.1 | S |
| 111.200 | 0.0000 | 0.0000 | 82.926 | 0.03741 | 0.00000 | 319537.6 | 130351.3 | 183122.1 | S |
| 111.208 | 0.0000 | 0.0000 | 82.926 | 0.03740 | 0.00000 | 319537.6 | 130352.4 | 183122.1 | S |
| 111.217 | 0.0000 | 0.0000 | 82.926 | 0.03740 | 0.00000 | 319537.6 | 130353.5 | 183122.1 | S |
| 111.225 | 0.0000 | 0.0000 | 82.926 | 0.03739 | 0.00000 | 319537.6 | 130354.6 | $183\{22.1$ | S |
| 111.233 | 0.0000 | 0.0000 | 82.925 | 0.03739 | 0.00000 | 319537.6 | 130355.8 | 183122.1 | S |
| 111.242 | 0.0000 | 0.0000 | 82.925 | 0.03738 | 0.00000 | 319537.6 | 130356.9 | 183122.1 | S |
| 111.250 | 0.0000 | 0.0000 | 82.925 | 0.03738 | 0.00000 | 319537.6 | 130358.0 | 183122.1 | S |
| 111.258 | 0.0000 | 0.0000 | 82.925 | 0.03737 | 0.00000 | 319537.6 | 130359.1 | 183122.1 | S |
| 111.267 | 0.0000 | 0.0000 | 82.925 | 0.03737 | 0.00000 | 319537.6 | 130360.3 | 183122.1 | S |
| 111.275 | 0.0000 | 0.0000 | 82.925 | 0.03736 | 0.00000 | 319537.6 | 130361.4 | 183122.1 | S |
| 111.283 | 0.0000 | 0.0000 | 82.924 | 0.03736 | 0.00000 | 319537.6 | 130362.5 | 183122.1 | S |
| 111.292 | 0.0000 | 0.0000 | 82.924 | 0.03735 | 0.00000 | 319537.6 | 130363.6 | 183122.1 | S |
| 111.300 | 0.0000 | 0.0000 | 82.924 | 0.03735 | 0.00000 | 319537.6 | 130364.7 | 183122.1 | S |
| 111.308 | 0.0000 | 0.0000 | 82.924 | 0.03734 | 0.00000 | 319537.6 | 130365.9 | 183122.1 | S |
| 111.317 | 0.0000 | 0.0000 | 82.924 | 0.03734 | 0.00000 | 319537.6 | 130367.0 | 183122.1 | S |
| 111.325 | 0.0000 | 0.0000 | 82.924 | 0.03733 | 0.00000 | 319537.6 | \$30368.1 | 183122.1 | S |
| 111.333 | 0.0000 | 0.0000 | 82.924 | 0.03733 | 0.00000 | 319537.6 | 130369.2 | 183122.1 | S |
| 111.342 | 0.0000 | 0.0000 | 82.923 | 0.03732 | 0.00000 | 319537.6 | 130370.3 | 183122.1 | S |
| 111.350 | 0.0000 | 0.0000 | 82.923 | 0.03732 | 0.00000 | 319537.6 | 130371.5 | 183122.1 | S |
| 111.358 | 0.0000 | 0.0000 | 82.923 | 0.03731 | 0.00000 | 319537.6 | 130372.6 | 183122.1 | S |
| 111.367 | 0.0000 | 0.0000 | 82.923 | 0.03730 | 0.00000 | 319537.6 | 130373.7 | 183122.1 | S |
| 111.375 | 0.0000 | 0.0000 | 82.923 | 0.03730 | 0.00000 | 319537.6 | 130374.8 | 183122.1 | S |
| 111.383 | 0.0000 | 0.0000 | 82.923 | 0.03729 | 0.00000 | 319537.6 | 130375.9 | 183122.1 | S |
| 111.392 | 0.0000 | 0.0000 | 82.923 | 0.03729 | 0.00000 | 319537.6 | 130377.0 | 183122.1 | S |
| 111.400 | 0.0000 | 0.0000 | 82.922 | 0.03728 | 0.00000 | 319537.6 | 130378.2 | 183122.1 | S |
| 111.408 | 0.0000 | 0.0000 | 82.922 | 0.03728 | 0.00000 | 319537.6 | 130379.3 | 183122.1 | S |
| 111.417 | 0.0000 | 0.0000 | 82.922 | 0.03727 | 0.00000 | 319537.6 | 130380.4 | 183122.1 | S |
| 111.425 | 0.0000 | 0.0000 | 82.922 | 0.03727 | 0.00000 | 319537.6 | 130381.5 | 183122.1 | S |
| 111.433 | 0.0000 | 0.0000 | 82.922 | 0.03726 | 0.00000 | 319537.6 | 130382.6 | 183122.1 | S |
| 111.442 | 0.0000 | 0.0000 | 82.922 | 0.03726 | 0.00000 | 319537.6 | 130383.8 | $\uparrow 83122.1$ | S |
| 111.450 | 0.0000 | 0.0000 | 82.921 | 0.03725 | 0.00000 | 319537.6 | 130384.9 | 183122.1 | S |
| 111.458 | 0.0000 | 0.0000 | 82.921 | 0.03725 | 0.00000 | 319537.6 | 130386.0 | 183122.1 | S |
| 111.467 | 0.0000 | 0.0000 | 82.921 | 0.03724 | 0.00000 | 319537.6 | 130387.1 | 183122.1 | S |
| 111.475 | 0.0000 | 0.0000 | 82.921 | 0.03724 | 0.00000 | 319537.6 | 130388.2 | 183122.1 | S |
| 111.483 | 0.0000 | 0.0000 | 82.921 | 0.03723 | 0.00000 | 319537.6 | 130389.3 | 183122.1 | S |
| 111.492 | 0.0000 | 0.0000 | 82.921 | 0.03723 | 0.00000 | 319537.6 | 130390.5 | 183122.1 | S |
| 111.500 | 0.0000 | 0.0000 | 82.921 | 0.03722 | 0.00000 | 319537.6 | 130391.6 | 183122.1 | S |
| 111.508 | 0.0000 | 0.0000 | 82.920 | 0.03722 | 0.00000 | 319537.6 | 130392.7 | 183122.1 | S |
| 111.517 | 0.0000 | 0.0000 | 82.920 | 0.03721 | 0.00000 | 319537.6 | 130393.8 | 183122.1 | S |
| 111.525 | 0.0000 | 0.0000 | 82.920 | 0.03721 | 0.00000 | 319537.6 | 130394.9 | 183122.1 | S |
| 111.533 | 0.0000 | 0.0000 | 82.920 | 0.03720 | 0.00000 | 319537.6 | 130396.0 | 183122.7 | S |
| 111.542 | 0.0000 | 0.0000 | 82.920 | 0.03720 | 0.00000 | 319537.6 | 130397.2 | 183122.1 | S |
| 111.550 | 0.0000 | 0.0000 | 82.920 | 0.03719 | 0.00000 | 319537.6 | 130398.3 | 183122.1 | S |
| 111.558 | 0.0000 | 0.0000 | 82.919 | 0.03719 | 0.00000 | 319537.6 | 130399.4 | 183122.1 | S |
| 111.567 | 0.0000 | 0.0000 | 82.919 | 0.03718 | 0.00000 | 319537.6 | 130400.5 | 183122.1 | S |
| 111.575 | 0.0000 | 0.0000 | 82.919 | 0.03718 | 0.00000 | 319537.6 | 130401.6 | 183122.1 | S |
| 111.583 | 0.0000 | 0.0000 | 82.919 | 0.03717 | 0.00000 | 319537.6 | 130402.7 | 183122.1 | S |
| 111.592 | 0.0000 | 0.0000 | 82.919 | 0.03717 | 0.00000 | 319537.6 | 130403.9 | 183122.1 | S |
| 111.600 | 0.0000 | 0.0000 | 82.919 | 0.03716 | 0.00000 | 319537.6 | 130405.0 | 183122.1 | S |
| 111.608 | 0.0000 | 0.0000 | 82.919 | 0.03716 | 0.00000 | 319537.6 | 130406.1 | 183122.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / 5}$ ) | Outside Recharge (f/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{fl}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 111.617 | 0.0000 | 0.0000 | 82.918 | 0.03715 | 0.00000 | 319537.6 | 130407.2 | 183122.1 | S |
| 111.625 | 0.0000 | 0.0000 | 82.918 | 0.03715 | 0.00000 | 319537.6 | 130408.3 | 183122.1 | S |
| 111.633 | 0.0000 | 0.0000 | 82.918 | 0.03714 | 0.00000 | 319537.6 | 130409.4 | 183122.1 | S |
| 111.642 | 0.0000 | 0.0000 | 82.918 | 0.03714 | 0.00000 | 319537.6 | 130410.5 | 183122.1 | S |
| 111.650 | 0.0000 | 0.0000 | 82.918 | 0.03713 | 0.00000 | 319537.6 | 130411.7 | 183122.1 | S |
| 111.658 | 0.0000 | 0.0000 | 82.918 | 0.03713 | 0.00000 | 319537.6 | 130412.8 | 183122.1 | S |
| 111.667 | 0.0000 | 0.0000 | 82.917 | 0.03712 | 0.00000 | 319537.6 | 130413.9 | 183122.1 | S |
| 111.675 | 0.0000 | 0.0000 | 82.917 | 0.03712 | 0.00000 | 319537.6 | 130415.0 | 183122.1 | S |
| 111.683 | 0.0000 | 0.0000 | 82.917 | 0.03711 | 0.00000 | 319537.6 | 130416.1 | 183122. | S |
| 111.692 | 0.0000 | 0.0000 | 82.917 | 0.03711 | 0.00000 | 319537.6 | 130417.2 | 183122.1 | S |
| 111.700 | 0.0000 | 0.0000 | 82.917 | 0.03710 | 0.00000 | 319537.6 | 130418.3 | 183122.1 | S |
| 111.708 | 0.0000 | 0.0000 | 82.917 | 0.03710 | 0.00000 | 319537.6 | 130419.5 | 183122.1 | S |
| 111.717 | 0.0000 | 0.0000 | 82.917 | 0.03709 | 0.00000 | 319537.6 | 130420.6 | 183122.1 | S |
| 111.725 | 0.0000 | 0.0000 | 82.916 | 0.03709 | 0.00000 | 319537.6 | 130421.7 | 183122.1 | S |
| 111.733 | 0.0000 | 0.0000 | 82.916 | 0.03708 | 0.00000 | 319537.6 | 130422.8 | 183122.1 | S |
| 111.742 | 0.0000 | 0.0000 | 82.916 | 0.03708 | 0.00000 | 319537.6 | 130423.9 | 183122.1 | S |
| 111.750 | 0.0000 | 0.0000 | 82.916 | 0.03707 | 0.00000 | 319537.6 | 130425.0 | 183122.1 | S |
| 111.758 | 0.0000 | 0.0000 | 82.916 | 0.03707 | 0.00000 | 319537.6 | 130426.1 | 183122.1 | S |
| 111.767 | 0.0000 | 0.0000 | 82.916 | 0.03706 | 0.00000 | 319537.6 | 130427.2 | 183122.1 | S |
| 111.775 | 0.0000 | 0.0000 | 82.915 | 0.03706 | 0.00000 | 319537.6 | 130428.4 | 183122.1 | S |
| 111.783 | 0.0000 | 0.0000 | 82.915 | 0.03705 | 0.00000 | 319537.6 | 130429.5 | 183122.1 | S |
| 111.792 | 0.0000 | 0.0000 | 82.915 | 0.03705 | 0.00000 | 379537.6 | 130430.6 | 183122.1 | S |
| 111.800 | 0.0000 | 0.0000 | 82.915 | 0.03704 | 0.00000 | 319537.6 | 130431.7 | 183122.1 | S |
| 111.808 | 0.0000 | 0.0000 | 82.915 | 0.03704 | 0.00000 | 319537.6 | 130432.8 | 183122.1 | S |
| 111.817 | 0.0000 | 0.0000 | 82.915 | 0.03703 | 0.00000 | 319537.6 | 130433.9 | 183122.1 | S |
| 111.825 | 0.0000 | 0.0000 | 82.915 | 0.03703 | 0.00000 | 319537.6 | 130435.0 | 183122.1 | S |
| 111.833 | 0.0000 | 0.0000 | 82.914 | 0.03702 | 0.00000 | 319537.6 | 130436.1 | 183122.1 | S |
| 111.842 | 0.0000 | 0.0000 | 82.914 | 0.03702 | 0.00000 | 319537.6 | 130437.2 | 183122.1 | S |
| 111.850 | 0.0000 | 0.0000 | 82.914 | 0.03701 | 0.00000 | 319537.6 | 130438.4 | 183122.1 | S |
| 111.858 | 0.0000 | 0.0000 | 82.914 | 0.03701 | 0.00000 | 319537.6 | 130439.5 | 183122.1 | S |
| 111.867 | 0.0000 | 0.0000 | 82.914 | 0.03700 | 0.00000 | 319537.6 | 130440.6 | 183122.1 | S |
| 111.875 | 0.0000 | 0.0000 | 82.914 | 0.03700 | 0.00000 | 319537.6 | 130441.7 | 183122.1 | S |
| 111.883 | 0.0000 | 0.0000 | 82.914 | 0.03699 | 0.00000 | 319537.6 | 130442.8 | 183122.1 | S |
| 111.892 | 0.0000 | 0.0000 | 82.913 | 0.03699 | 0.00000 | 319537.6 | 130443.9 | 183122.1 | S |
| 111.900 | 0.0000 | 0.0000 | 82.913 | 0.03698 | 0.00000 | 319537.6 | 130445.0 | 183122.1 | S |
| 111.908 | 0.0000 | 0.0000 | 82.913 | 0.03698 | 0.00000 | 319537.6 | 130446.1 | 183122.4 | S |
| 111.917 | 0.0000 | 0.0000 | 82.913 | 0.03697 | 0.00000 | 319537.6 | 130447.2 | 183122.1 | S |
| 111.925 | 0.0000 | 0.0000 | 82.913 | 0.03697 | 0.00000 | 319537.6 | 130448.3 | 183122.1 | S |
| 111.933 | 0.0000 | 0.0000 | 82.913 | 0.03696 | 0.00000 | 319537.6 | 130449.4 | 183122.1 | S |
| 111.942 | 0.0000 | 0.0000 | 82.912 | 0.03696 | 0.00000 | 319537.6 | 130450.6 | 183122.1 | S |
| 111.950 | 0.0000 | 0.0000 | 82.912 | 0.03695 | 0.00000 | 319537.6 | 130451.7 | 183122.1 | S |
| 111.958 | 0.0000 | 0,0000 | 82.912 | 0.03695 | 0.00000 | 319537.6 | 130452.8 | 183122.1 | S |
| 111.967 | 0.0000 | 0.0000 | 82.912 | 0.03694 | 0.00000 | 319537.6 | 130453.9 | 183122.1 | S |
| 111.975 | 0.0000 | 0.0000 | 82.912 | 0.03694 | 0.00000 | 319537.6 | 130455.0 | 183122.1 | S |
| 111.983 | 0.0000 | 0.0000 | 82.912 | 0.03693 | 0.00000 | 319537.6 | 130456.1 | 183122.1 | S |
| 111.992 | 0.0000 | 0.0000 | 82.912 | 0.03693 | 0.00000 | 319537.6 | 130457.2 | 183122.1 | S |
| 112.000 | 0.0000 | 0.0000 | 82.911 | 0.03692 | 0.00000 | 319537.6 | 130458.3 | 183122.1 | S |
| 112.008 | 0.0000 | 0.0000 | 82.911 | 0.03692 | 0.00000 | 319537.6 | 130459.4 | 183122.1 | S |
| 112.017 | 0.0000 | 0.0000 | 82.911 | 0.03691 | 0.00000 | 319537.6 | 130460.5 | 183122.1 | S |
| 112.025 | 0.0000 | 0.0000 | 82.911 | 0.03691 | 0.00000 | 319537.6 | 130461.6 | 183122.1 | S |
| 112.033 | 0.0000 | 0.0000 | 82.911 | 0.03690 | 0.00000 | 319537.6 | 130462.7 | 183122.1 | S |
| 112.042 | 0.0000 | 0.0000 | 82.911 | 0.03690 | 0.00000 | 319537.6 | 130463.9 | 183122.1 | S |
| 112.050 | 0.0000 | 0.0000 | 82.910 | 0.03689 | 0.00000 | 319537.6 | 130465.0 | 183122.1 | S |
| 112.058 | 0.0000 | 0.0000 | 82.910 | 0.03689 | 0.00000 | 319537.6 | 130466.1 | 183122.1 | S |
| 112.067 | 0.0000 | 0.0000 | 82.910 | 0.03688 | 0.00000 | 319537.6 | 130467.2 | 183122.1 | S |
| 112.075 | 0.0000 | 0.0000 | 82.910 | 0.03688 | 0.00000 | 319537.6 | 130468.3 | 183122.1 | S |
| 112.083 | 0.0000 | 0.0000 | 82.910 | 0.03687 | 0.00000 | 319537.6 | 130469.4 | 183122.1 | S |
| 112.092 | 0.0000 | 0.0000 | 82.910 | 0.03687 | 0.00000 | 319537.6 | 130470.5 | 183122.1 | S |
| 112.100 | 0.0000 | 0.0000 | 82.910 | 0.03686 | 0.00000 | 319537.6 | 130471.6 | 183122.1 | S |
| 112.108 | 0.0000 | 0.0000 | 82.909 | 0.03686 | 0.00000 | 319537.6 | 130472.7 | 183122.1 | S |
| 112.117 | 0.0000 | 0.0000 | 82.909 | 0.03685 | 0.00000 | 319537.6 | 130473.8 | 183122.1 | S |
| 112.125 | 0.0000 | 0.0000 | 82.909 | 0.03685 | 0.00000 | 319537.6 | 130474.9 | 183122.1 | S |
| 112.133 | 0.0000 | 0.0000 | 82.909 | 0.03684 | 0.00000 | 319537.6 | 130476.0 | 183122.1 | S |
| 112.142 | 0.0000 | 0.0000 | 82.909 | 0.03684 | 0.00000 | 319537.6 | 130477.1 | 183122.1 | S |
| 112.150 | 0.0000 | 0.0000 | 82.909 | 0.03683 | 0.00000 | 319537.6 | 130478.2 | 183122.1 | S |
| 112.158 | 0.0000 | 0.0000 | 82.909 | 0.03683 | 0.00000 | 319537.6 | 130479.3 | 183122.1 | S |
| 112.167 | 0.0000 | 0.0000 | 82.908 | 0.03682 | 0.00000 | 319537.6 | 130480.4 | 183122.1 | S |
| 112.175 | 0.0000 | 0.0000 | 82.908 | 0.03682 | 0.00000 | 319537.6 | 130481.5 | 183122.1 | S |
| 112.183 | 0.0000 | 0.0000 | 82.908 | 0.03682 | 0.00000 | 319537.6 | 130482.6 | 183122.1 | S |
| 112.192 | 0.0000 | 0.0000 | 82.908 | 0.03681 | 0.00000 | 319537.6 | 130483.8 | 183122.1 | S |
| 112.200 | 0.0000 | 0.0000 | 82.908 | 0.03681 | 0.00000 | 319537.6 | 130484.9 | 183122.1 | S |
| 112.208 | 0.0000 | 0.0000 | 82.908 | 0.03680 | 0.00000 | 319537.6 | 130486.0 | 183122.1 | S |
| 112.217 | 0.0000 | 0.0000 | 82.907 | 0.03680 | 0.00000 | 319537.6 | 130487.1 | 183122.1 | S |
| 112.225 | 0.0000 | 0.0000 | 82.907 | 0.03679 | 0.00000 | 319537.6 | 130488.2 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:. Scenario 1 :: pond10 100 yr $/ 24$ Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge (ft ${ }^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 112.233 | 0.0000 | 0.0000 | 82.907 | 0.03679 | 0.00000 | 319537.6 | 130489.3 | 183122.1 | S |
| 112.242 | 0.0000 | 0.0000 | 82.907 | 0.03678 | 0.00000 | 319537.6 | 130490.4 | 183122.1 | S |
| 112.250 | 0.0000 | 0.0000 | 82.907 | 0.03678 | 0.00000 | 319537.6 | 130491.5 | 183122.1 | S |
| 112.258 | 0.0000 | 0.0000 | 82.907 | 0.03677 | 0.00000 | 319537.6 | 130492.6 | 183122.1 | S |
| 112.267 | 0.0000 | 0.0000 | 82.907 | 0.03677 | 0.00000 | 319537.6 | 130493.7 | 183122.1 | S |
| 112.275 | 0.0000 | 0.0000 | 82.906 | 0.03676 | 0.00000 | 319537.6 | 130494.8 | 183122.1 | S |
| 112.283 | 0.0000 | 0.0000 | 82.906 | 0.03676 | 0.00000 | 319537.6 | 130495.9 | 183122.1 | S |
| 112.292 | 0.0000 | 0.0000 | 82.906 | 0.03675 | 0.00000 | 319537.6 | 130497.0 | 183122.1 | S |
| 112.300 | 0.0000 | 0.0000 | 82.906 | 0.03675 | 0.00000 | 319537.6 | 130498.1 | 183122.1 | S |
| 112.308 | 0.0000 | 0.0000 | 82.906 | 0.03674 | 0.00000 | 319537.6 | 130499.2 | 183122.7 | S |
| 112.317 | 0.0000 | 0.0000 | 82.906 | 0.03674 | 0.00000 | 319537.6 | 130500.3 | 183122.1 | S |
| 112.325 | 0.0000 | 0.0000 | 82.905 | 0.03673 | 0.00000 | 319537.6 | 130501.4 | 183122.1 | S |
| 112.333 | 0.0000 | 0.0000 | 82.905 | 0.03673 | 0.00000 | 319537.6 | 130502.5 | 183122.1 | S |
| 112.342 | 0.0000 | 0.0000 | 82.905 | 0.03672 | 0.00000 | 319537.6 | 130503.6 | 183122.1 | S |
| 112.350 | 0.0000 | 0.0000 | 82.905 | 0.03672 | 0.00000 | 319537.6 | 130504.7 | 183122.1 | S |
| 112.358 | 0.0000 | 0.0000 | 82.905 | 0.03671 | 0.00000 | 319537.6 | 130505.8 | 183122.1 | S |
| 112.367 | 0.0000 | 0.0000 | 82.905 | 0.03671 | 0.00000 | 319537.6 | 130506.9 | 183122.1 | S |
| 112.375 | 0.0000 | 0.0000 | 82.905 | 0.03670 | 0.00000 | 319537.6 | 130508.0 | 183122.1 | S |
| 112.383 | 0.0000 | 0.0000 | 82.904 | 0.03670 | 0.00000 | 319537.6 | 130509.1 | 183122.1 | S |
| 112.392 | 0.0000 | 0.0000 | 82.904 | 0.03669 | 0.00000 | 319537.6 | 130510.2 | 183122.1 | S |
| 112.400 | 0.0000 | 0.0000 | 82.904 | 0.03669 | 0.00000 | 319537.6 | 130511.3 | 183122.1 | S |
| 112.408 | 0.0000 | 0.0000 | 82.904 | 0.03668 | 0.00000 | 319537.6 | 130512.4 | 183122.1 | S |
| 112.417 | 0.0000 | 0.0000 | 82.904 | 0.03668 | 0.00000 | 319537.6 | 130513.5 | 183122.1 | S |
| 112.425 | 0.0000 | 0.0000 | 82.904 | 0.03667 | 0.00000 | 319537.6 | 130514.6 | 183122.1 | S |
| 112.433 | 0.0000 | 0.0000 | 82.904 | 0.03667 | 0.00000 | 319537.6 | 130515.7 | 183122.1 | S |
| 112.442 | 0.0000 | 0.0000 | 82.903 | 0.03666 | 0.00000 | 319537.6 | 130516.8 | 183122.1 | S |
| 112.450 | 0.0000 | 0.0000 | 82.903 | 0.03666 | 0.00000 | 319537.6 | 130517.9 | 183122.1 | S |
| 112.458 | 0.0000 | 0.0000 | 82.903 | 0.03665 | 0.00000 | 319537.6 | 130519.0 | 183122.1 | S |
| 112.467 | 0.0000 | 0.0000 | 82.903 | 0.03665 | 0.00000 | 319537.6 | 130520.1 | 183122.1 | S |
| 112.475 | 0.0000 | 0.0000 | 82.903 | 0.03664 | 0.00000 | 319537.6 | 130521.2 | 183122.1 | S |
| 112.483 | 0.0000 | 0.0000 | 82.903 | 0.03664 | 0.00000 | 319537.6 | 130522.3 | 183122.1 | S |
| 112.492 | 0.0000 | 0.0000 | 82.902 | 0.03663 | 0.00000 | 319537.6 | 130523.4 | 183122.1 | S |
| 112.500 | 0.0000 | 0.0000 | 82.902 | 0.03663 | 0.00000 | 319537.6 | 130524.5 | 183122.1 | S |
| 112.508 | 0.0000 | 0.0000 | 82.902 | 0.03662 | 0.00000 | 319537.6 | 130525.6 | 183122.1 | S |
| 112.517 | 0.0000 | 0.0000 | 82.902 | 0.03662 | 0.00000 | 319537.6 | 130526.7 | 183122.1 | S |
| 112.525 | 0.0000 | 0.0000 | 82.902 | 0.03661 | 0.00000 | 319537.6 | 130527.8 | 183122.1 | S |
| 112.533 | 0.0000 | 0.0000 | 82.902 | 0.03661 | 0.00000 | 319537.6 | 130528.9 | 183122.1 | S |
| 112.542 | 0.0000 | 0.0000 | 82.902 | 0.03660 | 0.00000 | 319537.6 | 130530.0 | 183122.1 | S |
| 112.550 | 0.0000 | 0.0000 | 82.901 | 0.03660 | 0.00000 | 319537.6 | 130531.1 | 183122.1 | S |
| 112.558 | 0.0000 | 0.0000 | 82.901 | 0.03659 | 0.00000 | 319537.6 | 130532.2 | 183122.1 | S |
| 112.567 | 0.0000 | 0.0000 | 82.901 | 0.03659 | 0.00000 | 319537.6 | 130533.3 | 183122.1 | S |
| 112.575 | 0.0000 | 0.0000 | 82.901 | 0.03658 | 0.00000 | 319537.6 | 130534.4 | 183122.1 | S |
| 112.583 | 0.0000 | 0.0000 | 82.901 | 0.03658 | 0.00000 | 319537.6 | 130535.5 | 183122.1 | S |
| 112.592 | 0.0000 | 0.0000 | 82.901 | 0.03657 | 0.00000 | 319537.6 | 130536.6 | 183122.1 | S |
| 112.600 | 0.0000 | 0.0000 | 82.901 | 0.03657 | 0.00000 | 319537.6 | 130537.7 | 183122.1 | S |
| 112.608 | 0.0000 | 0.0000 | 82.900 | 0.03656 | 0.00000 | 319537.6 | 130538.8 | 183122.1 | S |
| 112.617 | 0.0000 | 0.0000 | 82.900 | 0.03656 | 0.00000 | 319537.6 | 130539.9 | 183122.1 | S |
| 112.625 | 0.0000 | 0.0000 | 82.900 | 0.03655 | 0.00000 | 319537.6 | 130541.0 | 183122.1 | S |
| 112.633 | 0.0000 | 0.0000 | 82.900 | 0.03655 | 0.00000 | 319537.6 | 130542.1 | 183122.1 | S |
| 112.642 | 0.0000 | 0.0000 | 82.900 | 0.03654 | 0.00000 | 319537.6 | 130543.2 | 183122.1 | S |
| 112.650 | 0.0000 | 0.0000 | 82.900 | 0.03654 | 0.00000 | 319537.6 | 130544.3 | 183122.1 | S |
| 112.658 | 0.0000 | 0.0000 | 82.899 | 0.03653 | 0.00000 | 319537.6 | 130545.4 | 183122.1 | S |
| 112.667 | 0.0000 | 0.0000 | 82.899 | 0.03653 | 0.00000 | 319537.6 | 130546.5 | 183122.1 | S |
| 112.675 | 0.0000 | 0.0000 | 82.899 | 0.03652 | 0.00000 | 319537.6 | 130547.6 | 183122.1 | S |
| 112.683 | 0.0000 | 0.0000 | 82.899 | 0.03652 | 0.00000 | 319537.6 | 130548.6 | 183122.1 | S |
| 112.692 | 0.0000 | 0.0000 | 82.899 | 0.03651 | 0.00000 | 319537.6 | 130549.7 | 183122.1 | S |
| 112.700 | 0.0000 | 0.0000 | 82.899 | 0.03651 | 0.00000 | 319537.6 | 130550.8 | 183122.1 | S |
| 112.708 | 0.0000 | 0.0000 | 82.899 | 0.03651 | 0.00000 | 319537.6 | 130551.9 | 183122.1 | S |
| 112.717 | 0.0000 | 0.0000 | 82.898 | 0.03650 | 0.00000 | 319537.6 | 130553.0 | 183122.1 | S |
| 112.725 | 0.0000 | 0.0000 | 82.898 | 0.03650 | 0.00000 | 319537.6 | 130554.1 | 183122.1 | S |
| 112.733 | 0.0000 | 0.0000 | 82.898 | 0.03649 | 0.00000 | 319537.6 | 130555.2 | 183122.1 | S |
| 112.742 | 0.0000 | 0.0000 | 82.898 | 0.03649 | 0.00000 | 319537.6 | 130556.3 | 183122.1 | S |
| 112.750 | 0.0000 | 0.0000 | 82.898 | 0.03648 | 0.00000 | 319537.6 | 130557.4 | 183122.1 | S |
| 112.758 | 0.0000 | 0.0000 | 82.898 | 0.03648 | 0.00000 | 319537.6 | 130558.5 | 183122.1 | S |
| 112.767 | 0.0000 | 0.0000 | 82.898 | 0.03647 | 0.00000 | 319537.6 | 130559.6 | 183122.1 | S |
| 112.775 | 0.0000 | 0.0000 | 82.897 | 0.03647 | 0.00000 | 319537.6 | 130560.7 | 183122.1 | S |
| 112.783 | 0.0000 | 0.0000 | 82.897 | 0.03646 | 0.00000 | 319537.6 | 130561.8 | 183122.1 | S |
| 112.792 | 0.0000 | 0.0000 | 82.897 | 0.03646 | 0.00000 | 319537.6 | 130562.9 | 183122.1 | S |
| 112.800 | 0.0000 | 0.0000 | 82.897 | 0.03645 | 0.00000 | 319537.6 | 130564.0 | 183122.1 | S |
| 112.808 | 0.0000 | 0.0000 | 82.897 | 0.03645 | 0.00000 | 319537.6 | 130565.1 | 183122.1 | S |
| 112.817 | 0.0000 | 0.0000 | 82.897 | 0.03644 | 0.00000 | 319537.6 | 130566.2 | 183122.1 | S |
| 112.825 | 0.0000 | 0.0000 | 82.896 | 0.03644 | 0.00000 | 319537.6 | 130567.3 | 183122.1 | S |
| 112.833 | 0.0000 | 0.0000 | 82.896 | 0.03643 | 0.00000 | 319537.6 | 130568.3 | 183122.1 | S |
| 112.842 | 0.0000 | 0.0000 | 82.896 | 0.03643 | 0.00000 | 319537.6 | 130569.4 | 183122.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
$\because$ Scenario $1::$ pond10 100 yr $/ 24$ Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate (f $\mathrm{t}^{3 / \mathrm{s}}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 112.850 | 0.0000 | 0.0000 | 82.896 | 0.03642 | 0.00000 | 319537.6 | 130570.5 | 183122.1 | S |
| 112.858 | 0.0000 | 0.0000 | 82.896 | 0.03642 | 0.00000 | 319537.6 | 130571.6 | 183122.1 | S |
| 112.867 | 0.0000 | 0.0000 | 82.896 | 0.03641 | 0.00000 | 319537.6 | 130572.7 | 183122.1 | S |
| 112.875 | 0.0000 | 0.0000 | 82.896 | 0.03641 | 0.00000 | 319537.6 | 130573.8 | 183122.1 | S |
| 112.883 | 0.0000 | 0.0000 | 82.895 | 0.03640 | 0.00000 | 319537.6 | 130574.9 | 183122.1 | S |
| \$12.892 | 0.0000 | 0.0000 | 82.895 | 0.03640 | 0.00000 | 319537.6 | 130576.0 | 183122.1 | S |
| 112.900 | 0.0000 | 0.0000 | 82.895 | 0.03639 | 0.00000 | 319537.6 | 130577.1 | 183122.1 | S |
| 112.908 | 0.0000 | 0.0000 | 82.895 | 0.03639 | 0.00000 | 319537.6 | 130578.2 | 183122.1 | S |
| 112.917 | 0.0000 | 0.0000 | 82.895 | 0.03638 | 0.00000 | 319537.6 | 130579.3 | 183122.1 | S |
| 112.925 | 0.0000 | 0.0000 | 82.895 | 0.03638 | 0.00000 | 319537.6 | 130580.4 | 183122.1 | S |
| 112.933 | 0.0000 | 0.0000 | 82.895 | 0.03637 | 0.00000 | 319537.6 | 130581.5 | 183122.1 | S |
| 112.942 | 0.0000 | 0.0000 | 82.894 | 0.03637 | 0.00000 | 319537.6 | 130582.5 | 183122.1 | S |
| 112.950 | 0.0000 | 0.0000 | 82.894 | 0.03636 | 0.00000 | 319537.6 | 130583.6 | 183122.1 | S |
| 112.958 | 0.0000 | 0.0000 | 82.894 | 0.03636 | 0.00000 | 319537.6 | 130584.7 | 183122.1 | S |
| 112.967 | 0.0000 | 0.0000 | 82.894 | 0.03635 | 0.00000 | 319537.6 | 130585.8 | 183122.1 | S |
| 112.975 | 0.0000 | 0.0000 | 82.894 | 0.03635 | 0.00000 | 319537.6 | 130586.9 | 183122.1 | S |
| 112.983 | 0.0000 | 0.0000 | 82.894 | 0.03634 | 0.00000 | 319537.6 | 130588.0 | 183122.1 | S |
| 112.992 | 0.0000 | 0.0000 | 82.893 | 0.03634 | 0.00000 | 319537.6 | 130589.1 | 183122.1 | S |
| 113.000 | 0.0000 | 0.0000 | 82.893 | 0.03633 | 0.00000 | 319537.6 | 130590.2 | 183122.1 | S |
| 113.008 | 0.0000 | 0.0000 | 82.893 | 0.03633 | 0.00000 | 319537.6 | 130591.3 | 183122.1 | S |
| 113.017 | 0.0000 | 0.0000 | 82.893 | 0.03633 | 0.00000 | 319537.6 | 130592.4 | 183122.1 | S |
| 113.025 | 0.0000 | 0.0000 | 82.893 | 0.03632 | 0.00000 | 3\{9537.6 | 130593.4 | 183122.1 | S |
| 113.033 | 0.0000 | 0.0000 | 82.893 | 0.03632 | 0.00000 | 319537.6 | 130594.5 | 183122.1 | S |
| 113.042 | 0.0000 | 0.0000 | 82.893 | 0.03631 | 0.00000 | 319537.6 | 130595.6 | 183122.1 | S |
| 113.050 | 0.0000 | 0.0000 | 82.892 | 0.03631 | 0.00000 | 319537.6 | 130596.7 | 183122.1 | S |
| 113.058 | 0.0000 | 0.0000 | 82.892 | 0.03630 | 0.00000 | 319537.6 | 130597.8 | 183122.1 | S |
| 113.067 | 0.0000 | 0.0000 | 82.892 | 0.03630 | 0.00000 | 319537.6 | 130598.9 | 183122.1 | S |
| 113.075 | 0.0000 | 0.0000 | 82.892 | 0.03629 | 0.00000 | 319537.6 | 130600.0 | 183122.1 | S |
| 113.083 | 0.0000 | 0.0000 | 82.892 | 0.03629 | 0.00000 | 319537.6 | 130601.1 | 183122.1 | S |
| 113.092 | 0.0000 | 0.0000 | 82.892 | 0.03628 | 0.00000 | 319537.6 | 130602.2 | 183122.1 | S |
| 113.100 | 0.0000 | 0.0000 | 82.892 | 0.03628 | 0.00000 | 319537.6 | 130603.2 | 183122.1 | S |
| 113.108 | 0.0000 | 0.0000 | 82.891 | 0.03627 | 0.00000 | 319537.6 | 130604.3 | 183122.1 | S |
| 113.117 | 0.0000 | 0.0000 | 82.891 | 0.03627 | 0.00000 | 319537.6 | 130605.4 | 183122.1 | S |
| 113.125 | 0.0000 | 0.0000 | 82.891 | 0.03626 | 0.00000 | 319537.6 | 130606.5 | 183122.1 | S |
| 113.133 | 0.0000 | 0.0000 | 82.891 | 0.03626 | 0.00000 | 319537.6 | 130607.6 | 183122.1 | S |
| 113.142 | 0.0000 | 0.0000 | 82.891 | 0.03625 | 0.00000 | 319537.6 | 130608.7 | 183122.1 | S |
| 113.150 | 0.0000 | 0.0000 | 82.891 | 0.03625 | 0.00000 | 319537.6 | 130609.8 | 183122.1 | S |
| 113.158 | 0.0000 | 0.0000 | 82.890 | 0.03624 | 0.00000 | 319537.6 | \$30610.9 | 183122.1 | S |
| 113.167 | 0.0000 | 0.0000 | 82.890 | 0.03624 | 0.00000 | 319537.6 | 130611.9 | 183122.1 | S |
| 113.175 | 0.0000 | 0.0000 | 82.890 | 0.03623 | 0.00000 | 319537.6 | 130613.0 | 183122.1 | S |
| 113.183 | 0.0000 | 0.0000 | 82.890 | 0.03623 | 0.00000 | 319537.6 | 130614.1 | 183122.1 | S |
| 113.192 | 0.0000 | 0.0000 | 82.890 | 0.03622 | 0.00000 | 319537.6 | 130615.2 | 183122.1 | S |
| 113.200 | 0.0000 | 0.0000 | 82.890 | 0.03622 | 0.00000 | 319537.6 | 130616.3 | 183122.1 | S |
| 113.208 | 0.0000 | 0.0000 | 82.890 | 0.03621 | 0.00000 | 319537.6 | 130617.4 | 183122.1 | S |
| 113.217 | 0.0000 | 0.0000 | 82.889 | 0.03621 | 0.00000 | 319537.6 | 130618.5 | 183122.1 | S |
| 113.225 | 0.0000 | 0.0000 | 82.889 | 0.03620 | 0.00000 | 319537.6 | 130619.6 | 183122.1 | S |
| 113.233 | 0.0000 | 0.0000 | 82.889 | 0.03620 | 0.00000 | 319537.6 | 130620.6 | 183122.1 | S |
| 113.242 | 0.0000 | 0.0000 | 82.889 | 0.03619 | 0.00000 | 319537.6 | 130621.7 | 183122.1 | S |
| 113.250 | 0.0000 | 0.0000 | 82.889 | 0.03619 | 0.00000 | 319537.6 | 130622.8 | 183122.1 | S |
| 113.258 | 0.0000 | 0.0000 | 82.889 | 0.03618 | 0.00000 | 319537.6 | 130623.9 | 183122.1 | S |
| 113.267 | 0.0000 | 0.0000 | 82.889 | 0.03618 | 0.00000 | 319537.6 | 130625.0 | 183122.1 | S |
| 113.275 | 0.0000 | 0.0000 | 82.888 | 0.03618 | 0.00000 | 319537.6 | 130626.1 | 183122.1 | S |
| 113.283 | 0.0000 | 0.0000 | 82.888 | 0.03617 | 0.00000 | 319537.6 | 130627.1 | 183122.1 | S |
| 113.292 | 0.0000 | 0.0000 | 82.888 | 0.03617 | 0.00000 | 319537.6 | 130628.2 | 183122.1 | S |
| 113.300 | 0.0000 | 0.0000 | 82.888 | 0.03616 | 0.00000 | 319537.6 | 130629.3 | 183122.1 | S |
| 113.308 | 0.0000 | 0.0000 | 82.888 | 0.03616 | 0.00000 | 319537.6 | 130630.4 | 183122.1 | S |
| 113.317 | 0.0000 | 0.0000 | 82.888 | 0.03615 | 0.00000 | 319537.6 | 130631.5 | 183122.1 | S |
| 113.325 | 0.0000 | 0.0000 | 82.887 | 0.03615 | 0.00000 | 319537.6 | 130632.6 | 183122.1 | S |
| 113.333 | 0.0000 | 0.0000 | 82.887 | 0.03614 | 0.00000 | 319537.6 | 130633.7 | 183122.1 | S |
| 113.342 | 0.0000 | 0.0000 | 82.887 | 0.03614 | 0.00000 | 319537.6 | 130634.7 | 183122.1 | S |
| 113.350 | 0.0000 | 0.0000 | 82.887 | 0.03613 | 0.00000 | 319537.6 | 130635.8 | $\ddagger 83122.1$ | S |
| 113.358 | 0.0000 | 0.0000 | 82.887 | 0.03613 | 0.00000 | 319537.6 | 130636.9 | 183122.1 | S |
| 113.367 | 0.0000 | 0.0000 | 82.887 | 0.03612 | 0.00000 | 319537.6 | 130638.0 | 183122.1 | S |
| 113.375 | 0.0000 | 0.0000 | 82.887 | 0.03612 | 0.00000 | 319537.6 | 130639.1 | 183122.1 | S |
| 113.383 | 0.0000 | 0.0000 | 82.886 | 0.03611 | 0.00000 | 319537.6 | 130640.2 | 183122.1 | S |
| 113.392 | 0.0000 | 0.0000 | 82.886 | 0.03611 | 0.00000 | 319537.6 | 130641.3 | 183122.1 | S |
| 113.400 | 0.0000 | 0.0000 | 82.886 | 0.03610 | 0.00000 | 319537.6 | 130642.3 | 183122.1 | S |
| 113.408 | 0.0000 | 0.0000 | 82.886 | 0.03610 | 0.00000 | 319537.6 | 130643.4 | 183122.1 | S |
| 113.417 | 0.0000 | 0.0000 | 82.886 | 0.03609 | 0.00000 | 319537.6 | 130644.5 | 183122.1 | S |
| 113.425 | 0.0000 | 0.0000 | 82.886 | 0.03609 | 0.00000 | 319537.6 | 130645.6 | 183122.1 | S |
| 113.433 | 0.0000 | 0.0000 | 82.886 | 0.03608 | 0.00000 | 319537.6 | 130646.7 | 183122.1 | S |
| 113.442 | 0.0000 | 0.0000 | 82.885 | 0.03608 | 0.00000 | 319537.6 | 130647.7 | 183122.1 | S |
| \$13.450 | 0.0000 | 0.0000 | 82.885 | 0.03607 | 0.00000 | 319537.6 | 130648.8 | 183122.1 | S |
| 113.458 | 0.0000 | 0.0000 | 82.885 | 0.03607 | 0.00000 | 319537.6 | 130649.9 | 183722.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/overflow

| Elapsed Time (hours) | Inflow Rate (ftiss) | Outside Recharge (fUday) | Stage Elevation (fl datum) | Infiltration Rate ( $\mathrm{f}^{2} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infitration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 113.467 | 0.0000 | 0.0000 | 82.885 | 0.03606 | 0.00000 | 319537.6 | 130651.0 | 183122.1 | S |
| 113.475 | 0.0000 | 0.0000 | 82.885 | 0.03606 | 0.00000 | 319537.6 | 130652.1 | 183122.1 | S |
| 113.483 | 0.0000 | 0.0000 | 82.885 | 0.03606 | 0.00000 | 319537.6 | 130653.2 | 183122.1 | S |
| 113.492 | 0.0000 | 0.0000 | 82.885 | 0.03605 | 0.00000 | 319537.6 | 130654.2 | 183122.1 | S |
| 113.500 | 0.0000 | 0.0000 | 82.884 | 0.03605 | 0.00000 | 319537.6 | 130655.3 | 183122.1 | S |
| 113.508 | 0.0000 | 0.0000 | 82.884 | 0.03604 | 0.00000 | 319537.6 | 130656.4 | 183122.1 | S |
| 113.517 | 0.0000 | 0.0000 | 82.884 | 0.03604 | 0.00000 | 319537.6 | 130657.5 | 183122.1 | S |
| 113.525 | 0.0000 | 0.0000 | 82.884 | 0.03603 | 0.00000 | 319537.6 | 130658.6 | 183122.1 | S |
| 113.533 | 0.0000 | 0.0000 | 82.884 | 0.03603 | 0.00000 | 319537.6 | 130659.6 | 183122.1 | S |
| 113.542 | 0.0000 | 0.0000 | 82.884 | 0.03602 | 0.00000 | 379537.6 | 130660.7 | 183122.1 | S |
| 113.550 | 0.0000 | 0.0000 | 82,883 | 0.03602 | 0.00000 | 319537.6 | 130661.8 | 183122.1 | S |
| 113.558 | 0.0000 | 0.0000 | 82.883 | 0.03601 | 0.00000 | 319537.6 | 130662.9 | 183122.1 | S |
| 113.567 | 0.0000 | 0.0000 | 82.883 | 0.03601 | 0.00000 | 319537.6 | 130664.0 | 183122.1 | S |
| 113.575 | 0.0000 | 0.0000 | 82.883 | 0.03600 | 0.00000 | 319537.6 | 130665.0 | 183122.1 | S |
| 113.583 | 0.0000 | 0.0000 | 82.883 | 0.03600 | 0.00000 | 319537.6 | 130666.1 | 183122.1 | S |
| 113.592 | 0.0000 | 0.0000 | 82.883 | 0.03599 | 0.00000 | 319537.6 | 130667.2 | 183122.1 | S |
| 113.600 | 0.0000 | 0.0000 | 82.883 | 0.03599 | 0.00000 | 319537.6 | 130668.3 | 183122.1 | S |
| 113.608 | 0.0000 | 0.0000 | 82.882 | 0.03598 | 0.00000 | 319537.6 | 130669.4 | 183122.1 | S |
| 113.617 | 0.0000 | 0.0000 | 82.882 | 0.03598 | 0.00000 | 319537.6 | 130670.4 | 183122.1 | S |
| 113.625 | 0.0000 | 0.0000 | 82.882 | 0.03597 | 0.00000 | 319537.6 | 130671.5 | 183122.1 | S |
| 113.633 | 0.0000 | 0.0000 | 82.882 | 0.03597 | 0.00000 | 319537.6 | 130672.6 | 183122.1 | S |
| 113.642 | 0.0000 | 0.0000 | 82.882 | 0.03596 | 0.00000 | 319537.6 | 130673.7 | 183122.1 | S |
| 113.650 | 0.0000 | 0.0000 | 82.882 | 0.03596 | 0.00000 | 319537.6 | 130674.8 | 183122.1 | S |
| 113.658 | 0.0000 | 0.0000 | 82.882 | 0.03595 | 0.00000 | 319537.6 | 130675.8 | 183122.1 | S |
| 113.667 | 0.0000 | 0.0000 | 82.881 | 0.03595 | 0.00000 | 319537.6 | 130676.9 | 183122.1 | S |
| 113.675 | 0.0000 | 0.0000 | 82.881 | 0.03594 | 0.00000 | 319537.6 | 130678.0 | 183122.1 | S |
| 113.683 | 0.0000 | 0.0000 | 82.881 | 0.03594 | 0.00000 | 319537.6 | 130679.1 | 183122.1 | S |
| 113.692 | 0.0000 | 0.0000 | 82.881 | 0.03594 | 0.00000 | 319537.6 | 130680.1 | 183122.1 | S |
| 113.700 | 0.0000 | 0.0000 | 82.881 | 0.03593 | 0.00000 | 319537.6 | 130681.2 | 183122.1 | S |
| 113.708 | 0.0000 | 0.0000 | 82.881 | 0.03593 | 0.00000 | 319537.6 | 130682.3 | 183122.1 | S |
| 113.717 | 0.0000 | 0.0000 | 82.880 | 0.03592 | 0.00000 | 319537.6 | 130683.4 | 183722.1 | S |
| 113.725 | 0.0000 | 0.0000 | 82.880 | 0.03592 | 0.00000 | 319537.6 | 130684.5 | 183122.1 | S |
| 113.733 | 0.0000 | 0.0000 | 82.880 | 0.03591 | 0.00000 | 319537.6 | 130685.5 | 183122.1 | S |
| 113.742 | 0.0000 | 0.0000 | 82.880 | 0.03591 | 0.00000 | 319537.6 | 130686.6 | 183122.7 | S |
| 113.750 | 0.0000 | 0.0000 | 82.880 | 0.03590 | 0.00000 | 319537.6 | 130687.7 | 183122.1 | S |
| 113.758 | 0.0000 | 0.0000 | 82.880 | 0.03590 | 0.00000 | 319537.6 | 130688.8 | 183122.1 | S |
| 113.767 | 0.0000 | 0.0000 | 82.880 | 0.03589 | 0.00000 | 319537.6 | 130689.8 | 183122.1 | S |
| 113.775 | 0.0000 | 0.0000 | 82.879 | 0.03589 | 0.00000 | 319537.6 | 130690.9 | 183122.1 | S |
| 113.783 | 0.0000 | 0.0000 | 82.879 | 0.03588 | 0.00000 | 319537.6 | 130692.0 | 183122.1 | S |
| 113.792 | 0.0000 | 0.0000 | 82.879 | 0.03588 | 0.00000 | 319537.6 | 130693.1 | 183122.1 | S |
| 113.800 | 0.0000 | 0.0000 | 82.879 | 0.03587 | 0.00000 | 319537.6 | 130694.1 | 183122.1 | S |
| 113.808 | 0.0000 | 0.0000 | 82.879 | 0.03587 | 0.00000 | 319537.6 | 130695.2 | 183122.1 | S |
| 113.817 | 0.0000 | 0.0000 | 82.879 | 0.03586 | 0.00000 | 319537.6 | 130696.3 | 183122.1 | S |
| 113.825 | 0.0000 | 0.0000 | 82.879 | 0.03586 | 0.00000 | 319537.6 | 130697.4 | 183122.1 | S |
| 113.833 | 0.0000 | 0.0000 | 82.878 | 0.03585 | 0.00000 | 319537.6 | 130698.5 | 183122.1 | S |
| 113.842 | 0.0000 | 0.0000 | 82.878 | 0.03585 | 0.00000 | 319537.6 | 130699.5 | 183122.1 | S |
| 113.850 | 0.0000 | 0.0000 | 82.878 | 0.03584 | 0.00000 | 319537.6 | 130700.6 | 183122.1 | S |
| 113.858 | 0.0000 | 0.0000 | 82.878 | 0.03584 | 0.00000 | 319537.6 | 130701.7 | 183122.1 | S |
| 113.867 | 0.0000 | 0.0000 | 82.878 | 0.03584 | 0.00000 | 319537.6 | 130702.8 | 183122.1 | S |
| 113.875 | 0.0000 | 0.0000 | 82.878 | 0.03583 | 0.00000 | 319537.6 | 130703.8 | 183122.1 | S |
| 173.883 | 0.0000 | 0.0000 | 82.878 | 0.03583 | 0.00000 | 319537.6 | 130704.9 | 183122.1 | S |
| 113.892 | 0.0000 | 0.0000 | 82.877 | 0.03582 | 0.00000 | 319537.6 | 130706.0 | 183122.1 | S |
| 113.900 | 0.0000 | 0.0000 | 82.877 | 0.03582 | 0.00000 | 319537.6 | 130707.1 | 183122.1 | S |
| 113.908 | 0.0000 | 0.0000 | 82.877 | 0.03581 | 0.00000 | 319537.6 | 130708.1 | 183122.1 | S |
| 113.917 | 0.0000 | 0.0000 | 82.877 | 0.03581 | 0.00000 | 319537.6 | 130709.2 | 183122.1 | S |
| 113.925 | 0.0000 | 0.0000 | 82.877 | 0.03580 | 0.00000 | 319537.6 | 130710.3 | 183122.1 | S |
| 113.933 | 0.0000 | 0.0000 | 82.877 | 0.03580 | 0.00000 | 319537.6 | 130711.4 | 183122.1 | S |
| 113.942 | 0.0000 | 0.0000 | 82.876 | 0.03579 | 0.00000 | 319537.6 | 130712.4 | 483122.1 | S |
| 113.950 | 0.0000 | 0.0000 | 82.876 | 0.03579 | 0.00000 | 319537.6 | 130713.5 | 183122.1 | S |
| 113.958 | 0.0000 | 0.0000 | 82.876 | 0.03578 | 0.00000 | 319537.6 | 130714.6 | 183122.1 | S |
| 113.967 | 0.0000 | 0.0000 | 82.876 | 0.03578 | 0.00000 | 319537.6 | 130715.6 | 183122.1 | S |
| 113.975 | 0.0000 | 0.0000 | 82.876 | 0.03577 | 0.00000 | 319537.6 | 130716.7 | 183122.1 | S |
| 113.983 | 0.0000 | 0.0000 | 82.876 | 0.03577 | 0.00000 | 319537.6 | 130717.8 | 183122.1 | S |
| 113.992 | 0.0000 | 0.0000 | 82.876 | 0.03576 | 0.00000 | 319537.6 | 130718.9 | 183122.1 | S |
| 114.000 | 0.0000 | 0.0000 | 82.875 | 0.03576 | 0.00000 | 319537.6 | 130719.9 | 183122.1 | S |
| 114.008 | 0.0000 | 0.0000 | 82.875 | 0.03575 | 0.00000 | 319537.6 | 130721.0 | 183122.1 | S |
| 114.017 | 0.0000 | 0.0000 | 82.875 | 0.03575 | 0.00000 | 319537.6 | 130722.1 | 183122.1 | S |
| 114.025 | 0.0000 | 0.0000 | 82.875 | 0.03575 | 0.00000 | 319537.6 | 130723.2 | 183122.1 | S |
| 114.033 | 0.0000 | 0.0000 | 82.875 | 0.03574 | 0.00000 | 319537.6 | 130724.2 | 183122.1 | S |
| 114.042 | 0.0000 | 0.0000 | 82.875 | 0.03574 | 0.00000 | 319537.6 | 130725.3 | 183122.1 | S |
| 114.050 | 0.0000 | 0.0000 | 82.875 | 0.03573 | 0.00000 | 319537.6 | 130726.4 | 183122.1 | S |
| 114.058 | 0.0000 | 0.0000 | 82.874 | 0.03573 | 0.00000 | 319537.6 | 130727.4 | 183122.1 | S |
| 114.067 | 0.0000 | 0.0000 | 82.874 | 0.03572 | 0.00000 | 319537.6 | 130728.5 | 183122.1 | S |
| 114.075 | 0.0000 | 0.0000 | 82.874 | 0.03572 | 0.00000 | 319537.6 | 130729.6 | 183122.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3 / 5}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate (ft ${ }^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 114.083 | 0.0000 | 0.0000 | 82.874 | 0.03571 | 0.00000 | 319537.6 | 130730.7 | 183122.1 | S |
| 114.092 | 0.0000 | 0.0000 | 82.874 | 0.03571 | 0.00000 | 319537.6 | 130731.7 | 183122.1 | S |
| 114.100 | 0.0000 | 0.0000 | 82.874 | 0.03570 | 0.00000 | 319537.6 | 130732.8 | 183122.1 | S |
| 114.108 | 0.0000 | 0.0000 | 82.874 | 0.03570 | 0.00000 | 319537.6 | 130733.9 | 183122.1 | S |
| 114.117 | 0.0000 | 0.0000 | 82.873 | 0.03569 | 0.00000 | 319537.6 | 130734.9 | 183122.1 | S |
| 114.125 | 0.0000 | 0.0000 | 82.873 | 0.03569 | 0.00000 | 319537.6 | 130736.0 | 183122.1 | S |
| 114.133 | 0.0000 | 0.0000 | 82.873 | 0.03568 | 0.00000 | 319537.6 | 130737.1 | 183122.1 | S |
| 114.142 | 0.0000 | 0.0000 | 82.873 | 0.03568 | 0.00000 | 319537.6 | 130738.2 | 183122.1 | S |
| 114.150 | 0.0000 | 0.0000 | 82.873 | 0.03567 | 0.00000 | 319537.6 | 130739.2 | 183122.1 | S |
| 114.158 | 0.0000 | 0.0000 | 82.873 | 0.03567 | 0.00000 | 319537.6 | 130740.3 | 183122.1 | S |
| 114.167 | 0.0000 | 0.0000 | 82.873 | 0.03566 | 0.00000 | 319537.6 | 130741.4 | 183122.1 | 5 |
| 114.175 | 0.0000 | 0.0000 | 82.872 | 0.03566 | 0.00000 | 319537.6 | 130742.4 | 183122.1 | S |
| 114.183 | 0.0000 | 0.0000 | 82.872 | 0.03566 | 0.00000 | 319537.6 | 130743.5 | 183122.1 | S |
| 114.192 | 0.0000 | 0.0000 | 82.872 | 0.03565 | 0.00000 | 319537.6 | 130744.6 | 183122.1 | S |
| 114.200 | 0.0000 | 0.0000 | 82.872 | 0.03565 | 0.00000 | 319537.6 | 130745.6 | 183122.1 | S |
| 114.208 | 0.0000 | 0.0000 | 82.872 | 0.03564 | 0.00000 | 319537.6 | 130746.7 | 183122.1 | S |
| 114.217 | 0.0000 | 0.0000 | 82.872 | 0.03564 | 0.00000 | 319537.6 | 130747.8 | 183122.1 | S |
| 114.225 | 0.0000 | 0.0000 | 82.871 | 0.03563 | 0.00000 | 319537.6 | 130748.9 | 183122.1 | S |
| 114.233 | 0.0000 | 0.0000 | 82.871 | 0.03563 | 0.00000 | 319537.6 | 130749.9 | 183122.1 | S |
| 114.242 | 0.0000 | 0.0000 | 82.871 | 0.03562 | 0.00000 | 319537.6 | 130751.0 | 183122.1 | S |
| 114.250 | 0.0000 | 0.0000 | 82.871 | 0.03562 | 0.00000 | 319537.6 | 130752.1 | 183122.1 | S |
| 114.258 | 0.0000 | 0.0000 | 82.871 | 0.03561 | 0.00000 | 319537.6 | 130753.1 | 183122.1 | S |
| 114.267 | 0.0000 | 0.0000 | 82.871 | 0.03561 | 0.00000 | 319537.6 | 130754.2 | 183122.1 | S |
| 114.275 | 0.0000 | 0.0000 | 82.871 | 0.03560 | 0.00000 | 319537.6 | 130755.3 | 183122.1 | S |
| 114.283 | 0.0000 | 0.0000 | 82.870 | 0.03560 | 0.00000 | 319537.6 | 130756.3 | 183122.1 | S |
| 114.292 | 0.0000 | 0.0000 | 82.870 | 0.03559 | 0.00000 | 319537.6 | 130757.4 | 183122.1 | S |
| 114.300 | 0.0000 | 0.0000 | 82.870 | 0.03559 | 0.00000 | 319537.6 | 130758.5 | 183122.1 | S |
| 114.308 | 0.0000 | 0.0000 | 82.870 | 0.03558 | 0.00000 | 319537.6 | 130759.5 | 183122.1 | S |
| 114.317 | 0.0000 | 0.0000 | 82.870 | 0.03558 | 0.00000 | 319537.6 | 130760.6 | 183122.1 | S |
| 114.325 | 0.0000 | 0.0000 | 82.870 | 0.03558 | 0.00000 | 319537.6 | 130761.7 | 183122.1 | S |
| 114.333 | 0.0000 | 0.0000 | 82.870 | 0.03557 | 0.00000 | 319537.6 | 130762.7 | 183122.1 | S |
| 114.342 | 0.0000 | 0.0000 | 82.869 | 0.03557 | 0.00000 | 319537.6 | 130763.8 | 183122.1 | S |
| 114.350 | 0.0000 | 0.0000 | 82.869 | 0.03556 | 0.00000 | 319537.6 | 130764.9 | 183122.1 | S |
| 114.358 | 0.0000 | 0.0000 | 82.869 | 0.03556 | 0.00000 | 319537.6 | 130765.9 | 183122.1 | S |
| 114.367 | 0.0000 | 0.0000 | 82.869 | 0.03555 | 0.00000 | 319537.6 | 130767.0 | 183122.1 | S |
| 114.375 | 0.0000 | 0.0000 | 82.869 | 0.03555 | 0.00000 | 319537.6 | 130768.1 | 183122.1 | S |
| 114.383 | 0.0000 | 0.0000 | 82.869 | 0.03554 | 0.00000 | 319537.6 | 130769.1 | 183122.1 | S |
| 114.392 | 0.0000 | 0.0000 | 82.869 | 0.03554 | 0.00000 | 319537.6 | 130770.2 | 183122.1 | S |
| 114.400 | 0.0000 | 0.0000 | 82.868 | 0.03553 | 0.00000 | 319537.6 | 130771.3 | 183122.1 | S |
| 114.408 | 0.0000 | 0.0000 | 82.868 | 0.03553 | 0.00000 | 319537.6 | 130772.3 | 183122.1 | S |
| 114.417 | 0.0000 | 0.0000 | 82.868 | 0.03552 | 0.00000 | 319537.6 | 130773.4 | 183122.1 | S |
| 114.425 | 0.0000 | 0.0000 | 82.868 | 0.03552 | 0.00000 | 319537.6 | 130774.5 | 183122.1 | S |
| 114.433 | 0.0000 | 0.0000 | 82.868 | 0.03551 | 0.00000 | 319537.6 | 130775.5 | 183122.1 | S |
| 114.442 | 0.0000 | 0.0000 | 82.868 | 0.03551 | 0.00000 | 319537.6 | 130776.6 | 183122.1 | S |
| 114.450 | 0.0000 | 0.0000 | 82.867 | 0.03551 | 0.00000 | 319537.6 | 130777.7 | 183122.1 | S |
| 114.458 | 0.0000 | 0.0000 | 82.867 | 0.03550 | 0.00000 | 319537.6 | 130778.7 | 183122.1 | S |
| 114.467 | 0.0000 | 0.0000 | 82.867 | 0.03550 | 0.00000 | 319537.6 | 130779.8 | 183122.1 | S |
| 114.475 | 0.0000 | 0.0000 | 82.867 | 0.03549 | 0.00000 | 319537.6 | 130780.9 | 183122.1 | S |
| 114.483 | 0.0000 | 0.0000 | 82.867 | 0.03549 | 0.00000 | 319537.6 | 130781.9 | 183122.1 | S |
| 114.492 | 0.0000 | 0.0000 | 82.867 | 0.03548 | 0.00000 | 319537.6 | 130783.0 | 183122.1 | S |
| 114.500 | 0.0000 | 0.0000 | 82.867 | 0.03548 | 0.00000 | 319537.6 | 130784.1 | 183122.1 | S |
| 114.508 | 0.0000 | 0.0000 | 82.866 | 0.03547 | 0.00000 | 319537.6 | 130785.1 | 183122.1 | S |
| 114.517 | 0.0000 | 0.0000 | 82.866 | 0.03547 | 0.00000 | 319537.6 | 130786.2 | 183122.1 | S |
| 114.525 | 0.0000 | 0.0000 | 82.866 | 0.03546 | 0.00000 | 319537.6 | 130787.2 | 183122.1 | S |
| 114.533 | 0.0000 | 0.0000 | 82.866 | 0.03546 | 0.00000 | 319537.6 | 130788.3 | 183122.1 | S |
| 114.542 | 0.0000 | 0.0000 | 82.866 | 0.03545 | 0.00000 | 319537.6 | 130789.4 | 183122.1 | S |
| 114.550 | 0.0000 | 0.0000 | 82.866 | 0.03545 | 0.00000 | 319537.6 | 130790.4 | 183122.1 | S |
| 114.558 | 0.0000 | 0.0000 | 82.866 | 0.03544 | 0.00000 | 319537.6 | 130791.5 | 183122.1 | S |
| 114.567 | 0.0000 | 0.0000 | 82.865 | 0.03544 | 0.00000 | 319537.6 | 130792.6 | 183122.1 | 5 |
| 114.575 | 0.0000 | 0.0000 | 82.865 | 0.03543 | 0.00000 | 319537.6 | 130793.6 | 183122.1 | S |
| 114.583 | 0.0000 | 0.0000 | 82.865 | 0.03543 | 0.00000 | 319537.6 | 130794.7 | 183122.1 | S |
| 114.592 | 0.0000 | 0.0000 | 82.865 | 0.03543 | 0.00000 | 319537.6 | 130795.8 | 183122.1 | S |
| 114.600 | 0.0000 | 0.0000 | 82.865 | 0.03542 | 0.00000 | 319537.6 | 130796.8 | 183122.1 | S |
| 114.608 | 0.0000 | 0.0000 | 82.865 | 0.03542 | 0.00000 | 319537.6 | 130797.9 | 183122.1 | S |
| 114.617 | 0.0000 | 0.0000 | 82.865 | 0.03541 | 0.00000 | 319537.6 | 130798.9 | 183122.1 | S |
| 114.625 | 0.0000 | 0.0000 | 82.864 | 0.03541 | 0.00000 | 319537.6 | 130800.0 | 183122.1 | S |
| 114.633 | 0.0000 | 0.0000 | 82.864 | 0.03540 | 0.00000 | 319537.6 | 130801.7 | 183122.1 | S |
| 114.642 | 0.0000 | 0.0000 | 82.864 | 0.03540 | 0.00000 | 319537.6 | 130802.1 | 183122.1 | S |
| 114.650 | 0.0000 | 0.0000 | 82.864 | 0.03539 | 0.00000 | 319537.6 | 130803.2 | 183122.1 | S |
| 114.658 | 0.0000 | 0.0000 | 82.864 | 0.03539 | 0.00000 | 319537.6 | 130804.3 | 183122.1 | S |
| 114.667 | 0.0000 | 0.0000 | 82.864 | 0.03538 | 0.00000 | 319537.6 | 130805.3 | 183122.1 | S |
| 114.675 | 0.0000 | 0.0000 | 82.864 | 0.03538 | 0.00000 | 319537.6 | 130806.4 | 183122.1 | S |
| 114.683 | 0.0000 | 0.0000 | 82.863 | 0.03537 | 0.00000 | 319537.6 | 130807.4 | 183122.1 | S |
| 114.692 | 0.0000 | 0.0000 | 82.863 | 0.03537 | 0.00000 | 319537.6 | 130808.5 | 183122.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | $\begin{aligned} & \text { Flow } \\ & \text { Type } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 114.700 | 0.0000 | 0.0000 | 82.863 | 0.03536 | 0.00000 | 319537.6 | 130809.6 | 183122.1 | S |
| 114.708 | 0.0000 | 0.0000 | 82.863 | 0.03536 | 0.00000 | 319537.6 | 130810.6 | 183122.1 | S |
| 114.717 | 0.0000 | 0.0000 | 82.863 | 0.03536 | 0.00000 | 319537.6 | 130811.7 | 183122.1 | S |
| 114.725 | 0.0000 | 0.0000 | 82.863 | 0.03535 | 0.00000 | 319537.6 | 130812.7 | 183122.1 | S |
| 114.733 | 0.0000 | 0.0000 | 82.862 | 0.03535 | 0.00000 | 319537.6 | 130813.8 | 183122.1 | S |
| 114.742 | 0.0000 | 0.0000 | 82.862 | 0.03534 | 0.00000 | 319537.6 | 130814.9 | 183122.1 | S |
| 114.750 | 0.0000 | 0.0000 | 82.862 | 0.03534 | 0.00000 | 319537.6 | 130815.9 | 183122.1 | S |
| 114.758 | 0.0000 | 0.0000 | 82.862 | 0.03533 | 0.00000 | 319537.6 | 130817.0 | 183122.1 | S |
| 114.767 | 0.0000 | 0.0000 | 82.862 | 0.03533 | 0.00000 | 319537.6 | 130818.0 | 183122.1 | S |
| 114.775 | 0.0000 | 0.0000 | 82.862 | 0.03532 | 0.00000 | 319537.6 | 130819.1 | 183122.1 | S |
| 114.783 | 0.0000 | 0.0000 | 82.862 | 0.03532 | 0.00000 | 319537.6 | 130820.2 | 183122.1 | S |
| 114.792 | 0.0000 | 0.0000 | 82.861 | 0.03531 | 0.00000 | 319537.6 | 130821.2 | 183122.1 | S |
| 114.800 | 0.0000 | 0.0000 | 82.861 | 0.03531 | 0.00000 | 319537.6 | 130822.3 | 183122.1 | S |
| 114.808 | 0.0000 | 0.0000 | 82.861 | 0.03530 | 0.00000 | 319537.6 | 130823.3 | 183122.1 | S |
| 114.817 | 0.0000 | 0.0000 | 82.861 | 0.03530 | 0.00000 | 319537.6 | 130824.4 | 183122.1 | S |
| 114.825 | 0.0000 | 0.0000 | 82.861 | 0.03530 | 0.00000 | 319537.6 | 130825.5 | 183122.1 | S |
| 114.833 | 0.0000 | 0.0000 | 82.861 | 0.03529 | 0.00000 | 319537.6 | 130826.5 | 183122.1 | S |
| 114.842 | 0.0000 | 0.0000 | 82.861 | 0.03529 | 0.00000 | 319537.6 | 130827.6 | 183122.1 | S |
| 114.850 | 0.0000 | 0.0000 | 82.860 | 0.03528 | 0.00000 | 319537.6 | 130828.6 | 183122.1 | S |
| 114.858 | 0.0000 | 0.0000 | 82.860 | 0.03528 | 0.00000 | 319537.6 | 130829.7 | 183122.1 | S |
| 114.867 | 0.0000 | 0.0000 | 82.860 | 0.03527 | 0.00000 | 319537.6 | 130830.8 | 183122.1 | S |
| 114.875 | 0.0000 | 0.0000 | 82.860 | 0.03527 | 0.00000 | 319537.6 | 130831.8 | 183122.1 | S |
| 114.883 | 0.0000 | 0.0000 | 82.860 | 0.03526 | 0.00000 | 319537.6 | 130832.9 | 183122.1 | S |
| 114.892 | 0.0000 | 0.0000 | 82.860 | 0.03526 | 0.00000 | 319537.6 | 130833.9 | 183122.1 | S |
| 114.900 | 0.0000 | 0.0000 | 82.860 | 0.03525 | 0.00000 | 319537.6 | 130835.0 | 183122.1 | S |
| 114.908 | 0.0000 | 0.0000 | 82.859 | 0.03525 | 0.00000 | 319537.6 | 130836.0 | 183122.1 | S |
| 114.917 | 0.0000 | 0.0000 | 82.859 | 0.03524 | 0.00000 | 319537.6 | 130837.1 | 183122.1 | S |
| 114.925 | 0.0000 | 0.0000 | 82.859 | 0.03524 | 0.00000 | 319537.6 | 130838.1 | 183122.1 | S |
| 114.933 | 0.0000 | 0.0000 | 82.859 | 0.03523 | 0.00000 | 319537.6 | 130839.2 | 183122.1 | S |
| 114.942 | 0.0000 | 0.0000 | 82.859 | 0.03523 | 0.00000 | 319537.6 | 130840.3 | 183122.1 | S |
| 114.950 | 0.0000 | 0.0000 | 82.859 | 0.03523 | 0.00000 | 319537.6 | 130841.3 | 183122.1 | S |
| 114.958 | 0.0000 | 0.0000 | 82.859 | 0.03522 | 0.00000 | 319537.6 | 130842.4 | 183122.7 | S |
| 114.967 | 0.0000 | 0.0000 | 82.858 | 0.03522 | 0.00000 | 319537.6 | 130843.4 | 183122.1 | S |
| 114.975 | 0.0000 | 0.0000 | 82.858 | 0.03521 | 0.00000 | 319537.6 | \$30844.5 | 183122.1 | S |
| 114.983 | 0.0000 | 0.0000 | 82.858 | 0.03521 | 0.00000 | 319537.6 | 130845.5 | 183122.1 | S |
| 114.992 | 0.0000 | 0.0000 | 82.858 | 0.03520 | 0.00000 | 319537.6 | 130846.6 | 183122.1 | S |
| 115.000 | 0.0000 | 0.0000 | 82.858 | 0.03520 | 0.00000 | 319537.6 | 130847.7 | 183122.1 | S |
| 115.008 | 0.0000 | 0.0000 | 82.858 | 0.03519 | 0.00000 | 319537.6 | 130848.7 | 183122.1 | S |
| 115.017 | 0.0000 | 0.0000 | 82.858 | 0.03519 | 0.00000 | 319537.6 | 130849.8 | 183122.1 | S |
| 115.025 | 0.0000 | 0.0000 | 82.857 | 0.03518 | 0.00000 | 319537.6 | 130850.8 | 183122.1 | S |
| 115.033 | 0.0000 | 0.0000 | 82.857 | 0.03518 | 0.00000 | 319537.6 | 130851.9 | 183122.1 | S |
| 115.042 | 0.0000 | 0.0000 | 82.857 | 0.03517 | 0.00000 | 319537.6 | 130852.9 | 183122.1 | S |
| 115.050 | 0.0000 | 0.0000 | 82.857 | 0.03517 | 0.00000 | 319537.6 | 130854.0 | 183122.1 | S |
| 115.058 | 0.0000 | 0.0000 | 82.857 | 0.03517 | 0.00000 | 319537.6 | 130855.0 | 183122.1 | S |
| 115.067 | 0.0000 | 0.0000 | 82.857 | 0.03516 | 0.00000 | 319537.6 | 130856.1 | 183122.1 | S |
| 115.075 | 0.0000 | 0.0000 | 82.856 | 0.03516 | 0.00000 | 319537.6 | 130857.2 | 183122.1 | S |
| 115.083 | 0.0000 | 0.0000 | 82.856 | 0.03515 | 0.00000 | 319537.6 | 130858.2 | 183122.1 | S |
| 115.092 | 0.0000 | 0.0000 | 82.856 | 0.03515 | 0.00000 | 319537.6 | 130859.3 | 183122.1 | S |
| 115.100 | 0.0000 | 0.0000 | 82.856 | 0.03514 | 0.00000 | 319537.6 | 130860.3 | 183122.1 | S |
| 115.108 | 0.0000 | 0.0000 | 82.856 | 0.03514 | 0.00000 | 319537.6 | 130861.4 | 183122.1 | S |
| 115.117 | 0.0000 | 0.0000 | 82.856 | 0.03513 | 0.00000 | 319537.6 | 130862.4 | 183122.1 | S |
| 115.125 | 0.0000 | 0.0000 | 82.856 | 0.03513 | 0.00000 | 319537.6 | 130863.5 | 183122.1 | S |
| 115.133 | 0.0000 | 0.0000 | 82.855 | 0.03512 | 0.00000 | 319537.6 | 130864.5 | 183122.1 | S |
| 115.142 | 0.0000 | 0.0000 | 82.855 | 0.03512 | 0.00000 | 319537.6 | 130865.6 | 183122.1 | S |
| 115.150 | 0.0000 | 0.0000 | 82.855 | 0.03511 | 0.00000 | 319537.6 | 130866.6 | 183122.1 | S |
| 115.158 | 0.0000 | 0.0000 | 82.855 | 0.03511 | 0.00000 | 319537.6 | 130867.7 | 183122.1 | S |
| 115.167 | 0.0000 | 0.0000 | 82.855 | 0.03511 | 0.00000 | 319537.6 | 130868.8 | 183122.1 | S |
| 115.175 | 0.0000 | 0.0000 | 82.855 | 0.03510 | 0.00000 | 319537.6 | 130869.8 | 183122.1 | S |
| 115.183 | 0.0000 | 0.0000 | 82.855 | 0.03510 | 0.00000 | 319537.6 | 130870.9 | 183122.1 | S |
| 115.192 | 0.0000 | 0.0000 | 82.854 | 0.03509 | 0.00000 | 319537.6 | 130871.9 | 183122.1 | S |
| 115.200 | 0.0000 | 0.0000 | 82.854 | 0.03509 | 0.00000 | 319537.6 | 130873.0 | 183122.1 | S |
| 115.208 | 0.0000 | 0.0000 | 82.854 | 0.03508 | 0.00000 | 319537.6 | 130874.0 | 183122.1 | S |
| 115.217 | 0.0000 | 0.0000 | 82.854 | 0.03508 | 0.00000 | 319537.6 | 130875.1 | 183122.1 | S |
| 115.225 | 0.0000 | 0.0000 | 82.854 | 0.03507 | 0.00000 | 319537.6 | 130876.1 | 183122.1 | S |
| 115.233 | 0.0000 | 0.0000 | 82.854 | 0.03507 | 0.00000 | 319537.6 | 130877.2 | 183122.1 | S |
| 115.242 | 0.0000 | 0.0000 | 82.854 | 0.03506 | 0.00000 | 319537.6 | 130878.2 | 183122.1 | S |
| 115.250 | 0.0000 | 0.0000 | 82.853 | 0.03506 | 0.00000 | 319537.6 | 130879.3 | 183122.1 | S |
| 115.258 | 0.0000 | 0.0000 | 82.853 | 0.03505 | 0.00000 | 319537.6 | 130880.3 | 183122.1 | S |
| 115.267 | 0.0000 | 0.0000 | 82.853 | 0.03505 | 0.00000 | 319537.6 | 130881.4 | 183122.1 | S |
| 115.275 | 0.0000 | 0.0000 | 82.853 | 0.03505 | 0.00000 | 319537.6 | 130882.4 | 183122.1 | S |
| 115.283 | 0.0000 | 0.0000 | 82.853 | 0.03504 | 0.00000 | 319537.6 | 130883.5 | 183122.1 | S |
| 115.292 | 0.0000 | 0.0000 | 82.853 | 0.03504 | 0.00000 | 319537.6 | 130884.5 | 183122.1 | S |
| 115.300 | 0.0000 | 0.0000 | 82.853 | 0.03503 | 0.00000 | 319537.6 | 130885.6 | 183122.1 | S |
| 115.308 | 0.0000 | 0.0000 | 82.852 | 0.03503 | 0.00000 | 319537.6 | 130886.6 | 183122.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Infow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infilitration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{tt}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 115.317 | 0.0000 | 0.0000 | 82.852 | 0.03502 | 0.00000 | 319537.6 | 130887.7 | 183122.1 | S |
| 115.325 | 0.0000 | 0.0000 | 82.852 | 0.03502 | 0.00000 | 319537.6 | 130888.7 | 183122.1 | S |
| 115.333 | 0.0000 | 0.0000 | 82.852 | 0.03501 | 0.00000 | 319537.6 | 130889.8 | 183122.1 | S |
| 115.342 | 0.0000 | 0.0000 | 82.852 | 0.03501 | 0.00000 | 319537.6 | 130890.8 | 183122.1 | S |
| 115.350 | 0.0000 | 0.0000 | 82.852 | 0.03500 | 0.00000 | 319537.6 | 130891.9 | 183122.1 | S |
| 115.358 | 0.0000 | 0.0000 | 82.852 | 0.03500 | 0.00000 | 319537.6 | 130892.9 | 183122.1 | S |
| 115.367 | 0.0000 | 0.0000 | 82.851 | 0.03500 | 0.00000 | 319537.6 | 130894.0 | 183122.1 | S |
| 115.375 | 0.0000 | 0.0000 | 82.851 | 0.03499 | 0.00000 | 319537.6 | \$30895.0 | 183122.1 | S |
| 115.383 | 0.0000 | 0.0000 | 82.851 | 0.03499 | 0.00000 | 319537.6 | 130896.1 | 183122.1 | S |
| 115.392 | 0.0000 | 0.0000 | 82.851 | 0.03498 | 0.00000 | 319537.6 | 130897.1 | 183122.1 | S |
| 115.400 | 0.0000 | 0.0000 | 82.851 | 0.03498 | 0.00000 | 318537.6 | 130898.2 | 183122.1 | S |
| 115.408 | 0.0000 | 0.0000 | 82.851 | 0.03497 | 0.00000 | 319537.6 | 130899.2 | 183122.1 | S |
| \$15.417 | 0.0000 | 0.0000 | 82.851 | 0.03497 | 0.00000 | 319537.6 | 130900.3 | 183122.1 | S |
| 115.425 | 0.0000 | 0.0000 | 82.850 | 0.03496 | 0.00000 | 319537.6 | 130901.3 | 183122.1 | S |
| 115.433 | 0.0000 | 0.0000 | 82.850 | 0.03496 | 0.00000 | 319537.6 | 130902.4 | 183122.1 | S |
| 115.442 | 0.0000 | 0.0000 | 82.850 | 0.03495 | 0.00000 | 319537.6 | 130903.4 | 183122.1 | S |
| 115.450 | 0.0000 | 0.0000 | 82.850 | 0.03495 | 0.00000 | 319537.6 | 130904.5 | 183122.1 | S |
| 115.458 | 0.0000 | 0.0000 | 82.850 | 0.03494 | 0.00000 | 319537.6 | 130905.5 | 183122.1 | S |
| 115.467 | 0.0000 | 0.0000 | 82.850 | 0.03494 | 0.00000 | 319537.6 | 130906.6 | 183122.1 | S |
| 115.475 | 0.0000 | 0.0000 | 82.849 | 0.03494 | 0.00000 | 319537.6 | 130907.6 | 183122.1 | S |
| 115.483 | 0.0000 | 0.0000 | 82.849 | 0.03493 | 0.00000 | 319537.6 | 130908.7 | 183122.1 | S |
| 115.492 | 0.0000 | 0.0000 | 82.849 | 0.03493 | 0.00000 | 319537.6 | 130909.7 | 183122.1 | S |
| 115.500 | 0.0000 | 0.0000 | 82.849 | 0.03492 | 0.00000 | 319537.6 | 130910.8 | 183122.1 | S |
| 115.508 | 0.0000 | 0.0000 | 82.849 | 0.03492 | 0.00000 | 319537.6 | 130911.8 | 183122.1 | S |
| 115.517 | 0.0000 | 0.0000 | 82.849 | 0.03491 | 0.00000 | 319537.6 | 130912.9 | 183122.1 | S |
| 115.525 | 0.0000 | 0.0000 | 82.849 | 0.03491 | 0.00000 | 319537.6 | 130913.9 | 183122.1 | S |
| 115.533 | 0.0000 | 0.0000 | 82.848 | 0.03490 | 0.00000 | 319537.6 | 130915.0 | 183122.1 | S |
| 115.542 | 0.0000 | 0.0000 | 82.848 | 0.03490 | 0.00000 | 319537.6 | 130916.0 | 183122.$\}$ | S |
| 115.550 | 0.0000 | 0.0000 | 82.848 | 0.03489 | 0.00000 | 319537.6 | 130917.0 | 183122.1 | S |
| 115.558 | 0.0000 | 0.0000 | 82.848 | 0.03489 | 0.00000 | 319537.6 | 130918.1 | 183122.1 | S |
| 115.567 | 0.0000 | 0.0000 | 82.848 | 0.03489 | 0.00000 | 319537.6 | 130919.1 | 183122.1 | S |
| 115.575 | 0.0000 | 0.0000 | 82.848 | 0.03488 | 0.00000 | 319537.6 | 130920.2 | 183122.1 | S |
| 115.583 | 0.0000 | 0.0000 | 82.848 | 0.03488 | 0.00000 | 319537.6 | 130921.2 | 183122.1 | S |
| 115.592 | 0.0000 | 0.0000 | 82.847 | 0.03487 | 0.00000 | 319537.6 | 130922.3 | 183122.1 | S |
| 115.600 | 0.0000 | 0.0000 | 82,847 | 0.03487 | 0.00000 | 319537.6 | 130923.3 | 183122.1 | S |
| 115.608 | 0.0000 | 0.0000 | 82.847 | 0.03486 | 0.00000 | 319537.6 | 130924.4 | 183122.1 | S |
| 115.617 | 0.0000 | 0.0000 | 82.847 | 0.03486 | 0.00000 | 319537.6 | 130925.4 | 183122.1 | S |
| 115.625 | 0.0000 | 0.0000 | 82.847 | 0.03485 | 0.00000 | 319537.6 | 130926.5 | 183122.1 | S |
| 115.633 | 0.0000 | 0.0000 | 82.847 | 0.03485 | 0.00000 | 319537.6 | 130927.5 | 183122.1 | S |
| 115.642 | 0.0000 | 0.0000 | 82.847 | 0.03484 | 0.00000 | 319537.6 | 130928.6 | 183122.1 | S |
| 115.650 | 0.0000 | 0.0000 | 82.846 | 0.03484 | 0.00000 | 319537.6 | 130929.6 | 183122.1 | S |
| 115.658 | 0.0000 | 0.0000 | 82.846 | 0.03484 | 0.00000 | 319537.6 | 130930.6 | 183122.1 | S |
| 115.667 | 0.0000 | 0.0000 | 82.846 | 0.03483 | 0.00000 | 319537.6 | 130931.7 | 183122.1 | S |
| 115.675 | 0.0000 | 0.0000 | 82.846 | 0.03483 | 0.00000 | 319537.6 | 130932.7 | \$83122.1 | S |
| 115.683 | 0.0000 | 0.0000 | 82.846 | 0.03482 | 0.00000 | 319537.6 | 130933.8 | 183122.1 | S |
| 115.692 | 0.0000 | 0.0000 | 82.846 | 0.03482 | 0.00000 | 319537.6 | 130934.8 | 183122.1 | S |
| 115.700 | 0.0000 | 0.0000 | 82.846 | 0.03481 | 0.00000 | 319537.6 | 130935.9 | 183122.1 | S |
| 115.708 | 0.0000 | 0.0000 | 82.845 | 0.03481 | 0.00000 | 319537.6 | 130936.9 | 183122.1 | S |
| 115.717 | 0.0000 | 0.0000 | 82.845 | 0.03480 | 0.00000 | 319537.6 | 130938.0 | 183122.1 | S |
| 115.725 | 0.0000 | 0.0000 | 82.845 | 0.03480 | 0.00000 | 319537.6 | 130939.0 | 183122.1 | S |
| 115.733 | 0.0000 | 0.0000 | 82.845 | 0.03479 | 0.00000 | 319537.6 | 130940.0 | 183122.1 | S |
| 115.742 | 0.0000 | 0.0000 | 82.845 | 0.03479 | 0.00000 | 319537.6 | 130941.1 | 183122.1 | S |
| 115.750 | 0.0000 | 0.0000 | 82.845 | 0.03479 | 0.00000 | 319537.6 | 130942.1 | 183122.1 | S |
| 115.758 | 0.0000 | 0.0000 | 82.845 | 0.03478 | 0.00000 | 319537.6 | 130943.2 | 183122.1 | S |
| 115.767 | 0.0000 | 0.0000 | 82.844 | 0.03478 | 0.00000 | 319537.6 | 130944.2 | 183122.1 | S |
| 115.775 | 0.0000 | 0.0000 | 82.844 | 0.03477 | 0.00000 | 319537.6 | 130945.3 | 183122.1 | S |
| 115.783 | 0.0000 | 0.0000 | 82.844 | 0.03477 | 0.00000 | 319537.6 | 130946.3 | 183122.1 | S |
| 115.792 | 0.0000 | 0.0000 | 82.844 | 0.03476 | 0.00000 | 319537.6 | 130947.4 | 183122.1 | S |
| 115.800 | 0.0000 | 0.0000 | 82.844 | 0.03476 | 0.00000 | 319537.6 | 130948.4 | 183122.1 | S |
| 115.808 | 0.0000 | 0.0000 | 82.844 | 0.03475 | 0.00000 | 319537.6 | 130949.4 | 183122.1 | S |
| 115.817 | 0.0000 | 0.0000 | 82.844 | 0.03475 | 0.00000 | 319537.6 | 130950.5 | 183122.1 | S |
| 115.825 | 0.0000 | 0.0000 | 82.843 | 0.03474 | 0.00000 | 319537.6 | 130951.5 | 183122.1 | S |
| 115.833 | 0.0000 | 0.0000 | 82.843 | 0.03474 | 0.00000 | 319537.6 | 130952.6 | 183122.1 | S |
| 115.842 | 0.0000 | 0.0000 | 82.843 | 0.03474 | 0.00000 | 319537.6 | 130953.6 | 183122.1 | S |
| 115.850 | 0.0000 | 0.0000 | 82.843 | 0.03473 | 0.00000 | 319537.6 | 130954.6 | 183122.1 | S |
| 115.858 | 0.0000 | 0.0000 | 82.843 | 0.03473 | 0.00000 | 319537.6 | 130955.7 | 183122.1 | S |
| 115.867 | 0.0000 | 0.0000 | 82.843 | 0.03472 | 0.00000 | 319537.6 | 130956.7 | 183122.1 | S |
| 115.875 | 0.0000 | 0.0000 | 82.843 | 0.03472 | 0.00000 | 319537.6 | 130957.8 | 183122.1 | S |
| 115.883 | 0.0000 | 0.0000 | 82.842 | 0.03471 | 0.00000 | 319537.6 | 130958.8 | 183122.1 | S |
| 115.892 | 0.0000 | 0.0000 | 82.842 | 0.03471 | 0.00000 | 319537.6 | 130959.9 | 183122.1 | S |
| 115.900 | 0.0000 | 0.0000 | 82.842 | 0.03470 | 0.00000 | 319537.6 | 130960.9 | 183122.1 | S |
| 115.908 | 0.0000 | 0.0000 | 82.842 | 0.03470 | 0.00000 | 319537.6 | 130961.9 | 183122.1 | S |
| 115.917 | 0.0000 | 0.0000 | 82.842 | 0.03469 | 0.00000 | 319537.6 | 130963.0 | 183122.1 | S |
| \$15.925 | 0.0000 | 0.0000 | 82.842 | 0.03469 | 0.00000 | 319537.6 | 130964.0 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr $/ 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{\mathrm{T}}$ ) | Cumulative Discharge Volume ( $\mathrm{n}^{3}$ ) | $\begin{aligned} & \text { Flow } \\ & \text { Type } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 115.933 | 0.0000 | 0.0000 | 82.842 | 0.03469 | 0.00000 | 319537.6 | 130965.1 | 183122.1 | S |
| 115.942 | 0.0000 | 0.0000 | 82.841 | 0.03468 | 0.00000 | 319537.6 | 130966.1 | 183122.1 | S |
| 115.950 | 0.0000 | 0.0000 | 82.841 | 0.03468 | 0.00000 | 319537.6 | 130967.1 | 183122.1 | S |
| 115.958 | 0.0000 | 0.0000 | 82.841 | 0.03467 | 0.00000 | 319537.6 | 130968.2 | 183122.7 | S |
| 115.967 | 0.0000 | 0.0000 | 82.841 | 0.03467 | 0.00000 | 319537.6 | 130969.2 | 183122.1 | S |
| 115.975 | 0.0000 | 0.0000 | 82.841 | 0.03466 | 0.00000 | 319537.6 | 130970.3 | 183122.1 | S |
| 115.983 | 0.0000 | 0.0000 | 82.841 | 0.03466 | 0.00000 | 319537.6 | 130971.3 | 183122.1 | S |
| 115.992 | 0.0000 | 0.0000 | 82.840 | 0.03465 | 0.00000 | 319537.6 | 130972.3 | 183122.1 | S |
| 116.000 | 0.0000 | 0.0000 | 82.840 | 0.03465 | 0.00000 | 319537.6 | 130973.4 | 183122.1 | S |
| 116.008 | 0.0000 | 0.0000 | 82,840 | 0.03464 | 0.00000 | 319537.6 | 130974.4 | 183122.1 | S |
| 116.017 | 0.0000 | 0.0000 | 82.840 | 0.03464 | 0.00000 | 319537.6 | 130975.5 | 183122.1 | S |
| 116.025 | 0.0000 | 0.0000 | 82.840 | 0.03464 | 0.00000 | 319537.6 | 130976.5 | 183122.1 | S |
| 116.033 | 0.0000 | 0.0000 | 82.840 | 0.03463 | 0.00000 | 319537.6 | 130977.5 | 183122.1 | S |
| 116.042 | 0.0000 | 0.0000 | 82.840 | 0.03463 | 0.00000 | 319537.6 | 130978.6 | 183122.1 | S |
| 116.050 | 0.0000 | 0.0000 | 82.839 | 0.03462 | 0.00000 | 319537.6 | 130979.6 | 183122.1 | S |
| 116.058 | 0.0000 | 0.0000 | 82.839 | 0.03462 | 0.00000 | 319537.6 | 130980.7 | 183122.1 | S |
| 116.067 | 0.0000 | 0.0000 | 82.839 | 0.03461 | 0.00000 | 319537.6 | 130981.7 | 183122.1 | S |
| 116.075 | 0.0000 | 0.0000 | 82.839 | 0.03461 | 0.00000 | 319537.6 | 130982.7 | 183122.1 | S |
| 116.083 | 0.0000 | 0.0000 | 82.839 | 0.03460 | 0.00000 | 319537.6 | 130983.8 | 183122.1 | S |
| 116.092 | 0.0000 | 0.0000 | 82.839 | 0.03460 | 0.00000 | 319537.6 | 130984.8 | 183122.1 | S |
| 116.100 | 0.0000 | 0.0000 | 82.839 | 0.03460 | 0.00000 | 319537.6 | 130985.8 | 183122.1 | S |
| 116.108 | 0.0000 | 0.0000 | 82.838 | 0.03459 | 0.00000 | 319537.6 | 130986.9 | 183122.1 | S |
| 116.117 | 0.0000 | 0.0000 | 82.838 | 0.03459 | 0.00000 | 319537.6 | 130987.9 | 183122.1 | S |
| 116.125 | 0.0000 | 0.0000 | 82.838 | 0.03458 | 0.00000 | 319537.6 | 130989.0 | 183122.1 | S |
| 116.133 | 0.0000 | 0.0000 | 82.838 | 0.03458 | 0.00000 | 319537.6 | 130990.0 | 183122.1 | S |
| 116.142 | 0.0000 | 0.0000 | 82.838 | 0.03457 | 0.00000 | 319537.6 | 130991.0 | 183122.1 | S |
| 116.150 | 0.0000 | 0.0000 | 82.838 | 0.03457 | 0.00000 | 319537.6 | 130992.1 | 183122.1 | S |
| 116.158 | 0.0000 | 0.0000 | 82.838 | 0.03456 | 0.00000 | 319537.6 | 130993.1 | 183122.1 | S |
| 116.167 | 0.0000 | 0.0000 | 82.837 | 0.03456 | 0.00000 | 319537.6 | 130994.1 | 183122.1 | S |
| 116.175 | 0.0000 | 0.0000 | 82.837 | 0.03455 | 0.00000 | 319537.6 | 130995.2 | 183122.1 | S |
| 116.183 | 0.0000 | 0.0000 | 82.837 | 0.03455 | 0.00000 | 319537.6 | 130996.2 | 183122.1 | S |
| 116.192 | 0.0000 | 0.0000 | 82.837 | 0.03455 | 0.00000 | 319537.6 | 130997.3 | 183122.1 | S |
| 116.200 | 0.0000 | 0.0000 | 82.837 | 0.03454 | 0.00000 | 319537.6 | 130998.3 | 183122.1 | S |
| 116.208 | 0.0000 | 0.0000 | 82.837 | 0.03454 | 0.00000 | 319537.6 | 130999.3 | 183122.1 | S |
| 116.217 | 0.0000 | 0.0000 | 82.837 | 0.03453 | 0.00000 | 319537.6 | 131000.4 | 183122.1 | S |
| 116.225 | 0.0000 | 0.0000 | 82.836 | 0.03453 | 0.00000 | 319537.6 | 131001.4 | 183122.1 | S |
| 116.233 | 0.0000 | 0.0000 | 82.836 | 0.03452 | 0.00000 | 319537.6 | 131002.4 | 183122.1 | S |
| 116.242 | 0.0000 | 0.0000 | 82.836 | 0.03452 | 0.00000 | 319537.6 | 131003.5 | 183122.1 | S |
| 116.250 | 0.0000 | 0.0000 | 82.836 | 0.03451 | 0.00000 | 319537.6 | 131004.5 | 183122.1 | S |
| 116.258 | 0.0000 | 0.0000 | 82.836 | 0.03451 | 0.00000 | 319537.6 | 131005.5 | 183122.1 | S |
| 116.267 | 0.0000 | 0.0000 | 82.836 | 0.03451 | 0.00000 | 319537.6 | 131006.6 | 183122.1 | S |
| 116.275 | 0.0000 | 0.0000 | 82.836 | 0.03450 | 0.00000 | 319537.6 | 131007.6 | 183122.1 | S |
| 116.283 | 0.0000 | 0.0000 | 82.835 | 0.03450 | 0.00000 | 319537.6 | 131008.6 | 183122.1 | S |
| 116.292 | 0.0000 | 0.0000 | 82.835 | 0.03449 | 0.00000 | 319537.6 | 131009.7 | 183122.1 | S |
| 116.300 | 0.0000 | 0.0000 | 82.835 | 0.03449 | 0.00000 | 319537.6 | 131010.7 | 183122.1 | S |
| 116.308 | 0.0000 | 0.0000 | 82.835 | 0.03448 | 0.00000 | 319537.6 | 131011.8 | 183122.1 | S |
| 116.317 | 0.0000 | 0.0000 | 82.835 | 0.03448 | 0.00000 | 319537.6 | 131012.8 | 183122.1 | S |
| 116.325 | 0.0000 | 0.0000 | 82.835 | 0.03447 | 0.00000 | 319537.6 | 131013.8 | 183122.1 | S |
| 116.333 | 0.0000 | 0.0000 | 82.835 | 0.03447 | 0.00000 | 319537.6 | 131014.9 | 183122.1 | S |
| 116.342 | 0.0000 | 0.0000 | 82.834 | 0.03446 | 0.00000 | 319537.6 | 131015.9 | 183122.1 | S |
| 116.350 | 0.0000 | 0.0000 | 82.834 | 0.03446 | 0.00000 | 319537.6 | 131016.9 | 183122.1 | S |
| 116.358 | 0.0000 | 0.0000 | 82.834 | 0.03446 | 0.00000 | 319537.6 | 131018.0 | 183122.1 | S |
| 116.367 | 0.0000 | 0.0000 | 82.834 | 0.03445 | 0.00000 | 319537.6 | 131019.0 | 183122.1 | S |
| 116.375 | 0.0000 | 0.0000 | 82.834 | 0.03445 | 0.00000 | 319537.6 | 131020.0 | 183122.1 | S |
| 116.383 | 0.0000 | 0.0000 | 82.834 | 0.03444 | 0.00000 | 319537.6 | 131021.1 | 183122.1 | S |
| 116.392 | 0.0000 | 0.0000 | 82.834 | 0.03444 | 0.00000 | 319537.6 | 131022.1 | 183122.1 | S |
| 116.400 | 0.0000 | 0.0000 | 82.833 | 0.03443 | 0.00000 | 319537.6 | 131023.1 | 183122.1 | S |
| 116.408 | 0.0000 | 0.0000 | 82.833 | 0.03443 | 0.00000 | 319537.6 | 131024.2 | 183122.1 | S |
| 116.417 | 0.0000 | 0.0000 | 82.833 | 0.03442 | 0.00000 | 319537.6 | 131025.2 | 183122.1 | S |
| 116.425 | 0.0000 | 0.0000 | 82.833 | 0.03442 | 0.00000 | 319537.6 | 131026.2 | 183122.1 | S |
| 116.433 | 0.0000 | 0.0000 | 82.833 | 0.03442 | 0.00000 | 319537.6 | 131027.3 | 183122.1 | S |
| 116.442 | 0.0000 | 0.0000 | 82.833 | 0.03441 | 0.00000 | 319537.6 | 131028.3 | 183122.1 | S |
| 116.450 | 0.0000 | 0.0000 | 82.833 | 0.03441 | 0.00000 | 319537.6 | 131029.3 | 183122.1 | S |
| 116.458 | 0.0000 | 0.0000 | 82.832 | 0.03440 | 0.00000 | 319537.6 | 131030.4 | 183122.1 | S |
| 116.467 | 0.0000 | 0.0000 | 82.832 | 0.03440 | 0.00000 | 319537.6 | 131031.4 | 183122.1 | S |
| 116.475 | 0.0000 | 0.0000 | 82.832 | 0.03439 | 0.00000 | 319537.6 | 131032.4 | 183122.1 | S |
| 116.483 | 0.0000 | 0.0000 | 82.832 | 0.03439 | 0.00000 | 319537.6 | 131033.4 | 183122.1 | S |
| 116.492 | 0.0000 | 0.0000 | 82.832 | 0.03438 | 0.00000 | 319537.6 | 131034.5 | 183122.1 | S |
| 116.500 | 0.0000 | 0.0000 | 82.832 | 0.03438 | 0.00000 | 319537.6 | 131035.5 | 183122.1 | S |
| 116.508 | 0.0000 | 0.0000 | 82.832 | 0.03438 | 0.00000 | 319537.6 | 131036.5 | 183122.1 | S |
| \$16.517 | 0.0000 | 0.0000 | 82.831 | 0.03437 | 0.00000 | 319537.6 | 131037.6 | 183122.1 | S |
| 116.525 | 0.0000 | 0.0000 | 82.831 | 0.03437 | 0.00000 | 319537.6 | 131038.6 | 183122.1 | S |
| 116.533 | 0.0000 | 0.0000 | 82.831 | 0.03436 | 0.00000 | 319537.6 | 131039.6 | 183122.1 | S |
| 116.542 | 0.0000 | 0.0000 | 82.831 | 0.03436 | 0.00000 | 319537.6 | 131040.7 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate (f $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (f/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{t}^{3 /} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{t}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{t}^{3}$ ) | Cumulative Discharge Volume (ft ${ }^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 116.550 | 0.0000 | 0.0000 | 82.831 | 0.03435 | 0.00000 | 319537.6 | 131041.7 | 183122.1 | S |
| 116.558 | 0.0000 | 0.0000 | 82.831 | 0.03435 | 0.00000 | 319537.6 | 131042.7 | 183122.1 | S |
| 116.567 | 0.0000 | 0.0000 | 82.831 | 0.03434 | 0.00000 | 319537.6 | 131043.8 | 183122.1 | S |
| 116.575 | 0.0000 | 0.0000 | 82.830 | 0.03434 | 0.00000 | 319537.6 | 131044.8 | 183122.1 | S |
| 116.583 | 0.0000 | 0.0000 | 82.830 | 0.03434 | 0.00000 | 319537.6 | 131045.8 | 183122.1 | S |
| 116.592 | 0.0000 | 0.0000 | 82.830 | 0.03433 | 0.00000 | 319537.6 | 131046.8 | 183122.1 | S |
| 116.600 | 0.0000 | 0.0000 | 82.830 | 0.03433 | 0.00000 | 319537.6 | 131047.9 | 183122.1 | S |
| \$16.608 | 0.0000 | 0.0000 | 82.830 | 0.03432 | 0.00000 | 319537.6 | 131048.9 | 183122.1 | S |
| 116.617 | 0.0000 | 0.0000 | 82.830 | 0.03432 | 0.00000 | 319537.6 | 131049.9 | 183122.1 | S |
| 116.625 | 0.0000 | 0.0000 | 82.830 | 0.03431 | 0.00000 | 319537.6 | 131051.0 | 183122.1 | S |
| 116.633 | 0.0000 | 0.0000 | 82.829 | 0.03431 | 0.00000 | 319537.6 | 131052.0 | 183122.1 | S |
| 116.642 | 0.0000 | 0.0000 | 82.829 | 0.03430 | 0.00000 | 319537.6 | 131053.0 | 183122.1 | S |
| 116.650 | 0.0000 | 0.0000 | 82.829 | 0.03430 | 0.00000 | 319537.6 | 131054.0 | 183122.1 | S |
| 116.658 | 0.0000 | 0.0000 | 82.829 | 0.03430 | 0.00000 | 319537.6 | 131055.1 | 183122.1 | S |
| 116.667 | 0.0000 | 0.0000 | 82.829 | 0.03429 | 0.00000 | 319537.6 | 131056.1 | 183122.1 | S |
| 116.675 | 0.0000 | 0.0000 | 82.829 | 0.03429 | 0.00000 | 319537.6 | 131057.1 | 183122.1 | S |
| 116.683 | 0.0000 | 0.0000 | 82.829 | 0.03428 | 0.00000 | 319537.6 | 131058.2 | 183122.1 | S |
| 116.692 | 0.0000 | 0.0000 | 82.828 | 0.03428 | 0.00000 | 319537.6 | 131059.2 | 183122.1 | S |
| 116.700 | 0.0000 | 0.0000 | 82.828 | 0.03427 | 0.00000 | 319537.6 | 131060.2 | 183122.1 | S |
| 116.708 | 0.0000 | 0.0000 | 82.828 | 0.03427 | 0.00000 | 319537.6 | 131061.3 | 183122.1 | S |
| 116.717 | 0.0000 | 0.0000 | 82.828 | 0.03426 | 0.00000 | 319537.6 | 131062.3 | 183122.1 | S |
| 116.725 | 0.0000 | 0.0000 | 82.828 | 0.03426 | 0.00000 | 319537.6 | 137063.3 | 183122.1 | S |
| 116.733 | 0.0000 | 0.0000 | 82.828 | 0.03426 | 0.00000 | 319537.6 | 131064.3 | 183122.1 | S |
| 116.742 | 0.0000 | 0.0000 | 82.828 | 0.03425 | 0.00000 | 319537.6 | $13 \ddagger 065.4$ | 183122.1 | S |
| 116.750 | 0.0000 | 0.0000 | 82.827 | 0.03425 | 0.00000 | 319537.6 | 131066.4 | 183122.1 | S |
| 116.758 | 0.0000 | 0.0000 | 82.827 | 0.03424 | 0.00000 | 319537.6 | 131067.4 | 183122.1 | S |
| 116.767 | 0.0000 | 0.0000 | 82.827 | 0.03424 | 0.00000 | 319537.6 | 131068.4 | 183122.1 | S |
| 116.775 | 0.0000 | 0.0000 | 82.827 | 0.03423 | 0.00000 | 319537.6 | 131069.5 | 183122.1 | S |
| 116.783 | 0.0000 | 0.0000 | 82.827 | 0.03423 | 0.00000 | 319537.6 | 131070.5 | 183122.1 | S |
| 116.792 | 0.0000 | 0.0000 | 82.827 | 0.03422 | 0.00000 | 319537.6 | 131071.5 | 183122.1 | S |
| 116.800 | 0.0000 | 0.0000 | 82.827 | 0.03422 | 0.00000 | 319537.6 | 131072.5 | 183122.1 | S |
| 116.808 | 0.0000 | 0.0000 | 82.826 | 0.03422 | 0.00000 | 319537.6 | 131073.6 | 183122.1 | S |
| 116.817 | 0.0000 | 0.0000 | 82.826 | 0.03421 | 0.00000 | 319537.6 | 131074.6 | 183122.1 | S |
| 116.825 | 0.0000 | 0.0000 | 82.826 | 0.03421 | 0.00000 | 319537.6 | 131075.6 | 183122.1 | S |
| 116.833 | 0.0000 | 0.0000 | 82.826 | 0.03420 | 0.00000 | 319537.6 | 131076.7 | 183122.1 | S |
| 116.842 | 0.0000 | 0.0000 | 82.826 | 0.03420 | 0.00000 | 319537.6 | 131077.7 | 183122.1 | S |
| 116.850 | 0.0000 | 0.0000 | 82.826 | 0.03419 | 0.00000 | 319537.6 | 131078.7 | 183122.1 | S |
| 116.858 | 0.0000 | 0.0000 | 82.826 | 0.03419 | 0.00000 | 319537.6 | 131079.7 | 183122.1 | S |
| 116.867 | 0.0000 | 0.0000 | 82.825 | 0.03418 | 0.00000 | 319537.6 | 131080.8 | 183122.1 | S |
| 116.875 | 0.0000 | 0.0000 | 82.825 | 0.03418 | 0.00000 | 319537.6 | 131081.8 | 183122.1 | S |
| 116.883 | 0.0000 | 0.0000 | 82.825 | 0.03418 | 0.00000 | 319537.6 | 131082.8 | 183122.1 | S |
| 116.892 | 0.0000 | 0.0000 | 82.825 | 0.03417 | 0.00000 | 319537.6 | 131083.8 | \$83122. 1 | S |
| 116.900 | 0.0000 | 0.0000 | 82.825 | 0.03417 | 0.00000 | 319537.6 | 131084.9 | 183122.1 | S |
| 116.908 | 0.0000 | 0.0000 | 82.825 | 0.03416 | 0.00000 | 319537.6 | 131085.9 | 183122.1 | S |
| 116.917 | 0.0000 | 0.0000 | 82.825 | 0.03416 | 0.00000 | 319537.6 | 131086.9 | 183122.1 | S |
| \$16.925 | 0.0000 | 0.0000 | 82.824 | 0.03415 | 0.00000 | 319537.6 | 131087.9 | 183122.1 | S |
| 116.933 | 0.0000 | 0.0000 | 82.824 | 0.03415 | 0.00000 | 319537.6 | 131089.0 | 183122.1 | S |
| 116.942 | 0.0000 | 0.0000 | 82.824 | 0.03414 | 0.00000 | 319537.6 | 131090.0 | 183122.1 | S |
| 116.950 | 0.0000 | 0.0000 | 82.824 | 0.03414 | 0.00000 | 319537.6 | 131091.0 | 183122.1 | S |
| 116.958 | 0.0000 | 0.0000 | 82.824 | 0.03414 | 0.00000 | 319537.6 | 131092.0 | 183122.1 | S |
| 116.967 | 0.0000 | 0.0000 | 82.824 | 0.03413 | 0.00000 | 319537.6 | 131093.1 | 183122.1 | S |
| 116.975 | 0.0000 | 0.0000 | 82.824 | 0.03413 | 0.00000 | 319537.6 | 131094.1 | 183122.1 | S |
| 116.983 | 0.0000 | 0.0000 | 82.823 | 0.03412 | 0.00000 | 319537.6 | 131095.1 | 183122.1 | S |
| 116.992 | 0.0000 | 0.0000 | 82.823 | 0.03412 | 0.00000 | 319537.6 | 131096.1 | 183122.1 | S |
| 117.000 | 0.0000 | 0.0000 | 82.823 | 0.03411 | 0.00000 | 319537.6 | 131097.2 | 183122.1 | S |
| 117.008 | 0.0000 | 0.0000 | 82.823 | 0.03411 | 0.00000 | 319537.6 | 131098.2 | 183122.1 | S |
| 117.017 | 0.0000 | 0.0000 | 82.823 | 0.03410 | 0.00000 | 319537.6 | 131099.2 | 183122.1 | S |
| 117.025 | 0.0000 | 0.0000 | 82.823 | 0.03410 | 0.00000 | 319537.6 | 131100.2 | 183122.1 | S |
| 117.033 | 0.0000 | 0.0000 | 82.823 | 0.03410 | 0.00000 | 319537.6 | 131101.3 | 183122.1 | S |
| 117.042 | 0.0000 | 0.0000 | 82.822 | 0.03409 | 0.00000 | 319537.6 | 131102.3 | 183122.1 | S |
| 117.050 | 0.0000 | 0.0000 | 82.822 | 0.03409 | 0.00000 | 319537.6 | 131103.3 | 183122.1 | S |
| 117.058 | 0.0000 | 0.0000 | 82.822 | 0.03408 | 0.00000 | 319537.6 | 131104.3 | 183122.1 | S |
| 117.067 | 0.0000 | 0.0000 | 82.822 | 0.03408 | 0.00000 | 319537.6 | 131105.3 | 183122.1 | S |
| 117.075 | 0.0000 | 0.0000 | 82.822 | 0.03407 | 0.00000 | 319537.6 | 131106.4 | 183122.1 | S |
| 117.083 | 0.0000 | 0.0000 | 82.822 | 0.03407 | 0.00000 | 319537.6 | 131107.4 | 183122.1 | S |
| 117.092 | 0.0000 | 0.0000 | 82.822 | 0.03407 | 0.00000 | 319537.6 | 131108.4 | 183122.1 | S |
| 117.100 | 0.0000 | 0.0000 | 82.821 | 0.03406 | 0.00000 | 319537.6 | 131109.4 | 183122.1 | S |
| 117.108 | 0.0000 | 0.0000 | 82.821 | 0.03406 | 0.00000 | 319537.6 | 131110.4 | 183122.1 | S |
| 117.117 | 0.0000 | 0.0000 | 82.821 | 0.03405 | 0.00000 | 319537.6 | 131111.5 | 183122.1 | S |
| 117.125 | 0.0000 | 0.0000 | 82.821 | 0.03405 | 0.00000 | 319537.6 | 131112.5 | 183122.1 | S |
| 117.133 | 0.0000 | 0.0000 | 82.821 | 0.03404 | 0.00000 | 319537.6 | 131113.5 | 183122.1 | S |
| 117.142 | 0.0000 | 0.0000 | 82.821 | 0.03404 | 0.00000 | 319537.6 | 131114.5 | 183122.1 | S |
| 117.150 | 0.0000 | 0.0000 | 82.821 | 0.03403 | 0.00000 | 319537.6 | 131115.5 | 183122.1 | S |
| 117.158 | 0.0000 | 0.0000 | 82.820 | 0.03403 | 0.00000 | 319537.6 | 131116.6 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/overflow

| Elapsed Time (hours) | inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation ( f datum) | Inilltration Rate ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumułative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume (ft ${ }^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 117.167 | 0.0000 | 0.0000 | 82.820 | 0.03403 | 0.00000 | 319537.6 | 131117.6 | 183122.1 | S |
| 117.175 | 0.0000 | 0.0000 | 82.820 | 0.03402 | 0.00000 | 319537.6 | 131118.6 | 183122.1 | S |
| 117.183 | 0.0000 | 0.0000 | 82.820 | 0.03402 | 0.00000 | 319537.6 | 131119.6 | 183122.1 | S |
| 117.192 | 0.0000 | 0.0000 | 82.820 | 0.03401 | 0.00000 | 319537.6 | 131120.7 | 183122.1 | S |
| 117.200 | 0.0000 | 0.0000 | 82.820 | 0.03401 | 0.00000 | 319537.6 | 131121.7 | 183122.1 | S |
| 117.208 | 0.0000 | 0.0000 | 82.820 | 0.03400 | 0.00000 | 319537.6 | 131122.7 | 183122.1 | S |
| 117.217 | 0.0000 | 0.0000 | 82.819 | 0.03400 | 0.00000 | 319537.6 | 131123.7 | 183122.1 | S |
| 117.225 | 0.0000 | 0.0000 | 82.819 | 0.03399 | 0.00000 | 319537.6 | 731124.7 | 183122.1 | S |
| 117.233 | 0.0000 | 0.0000 | 82.819 | 0.03399 | 0.00000 | 319537.6 | 131125.8 | 183122.1 | S |
| 117.242 | 0.0000 | 0.0000 | 82.819 | 0.03399 | 0.00000 | 319537.6 | 131126.8 | 183122.1 | S |
| 117.250 | 0.0000 | 0.0000 | 82.819 | 0.03398 | 0.00000 | 319537.6 | 131127.8 | 183122.1 | S |
| 117.258 | 0.0000 | 0.0000 | 82.819 | 0.03398 | 0.00000 | 319537.6 | 131128.8 | 183122.1 | S |
| 117.267 | 0.0000 | 0.0000 | 82.819 | 0.03397 | 0.00000 | 319537.6 | 131129.8 | 183122.1 | S |
| 117.275 | 0.0000 | 0.0000 | 82.818 | 0.03397 | 0.00000 | 319537.6 | 131130.8 | 183122.1 | S |
| 117.283 | 0.0000 | 0.0000 | 82.818 | 0.03396 | 0.00000 | 319537.6 | 131131.9 | 183122.1 | 5 |
| 117.292 | 0.0000 | 0.0000 | 82.818 | 0.03396 | 0.00000 | 319537.6 | 131132.9 | 183122.1 | S |
| 117.300 | 0.0000 | 0.0000 | 82.818 | 0.03396 | 0.00000 | 319537.6 | 131133.9 | 183122.1 | S |
| 117.308 | 0.0000 | 0.0000 | 82.818 | 0.03395 | 0.00000 | 319537.6 | 131134.9 | 183122.1 | S |
| 117.317 | 0.0000 | 0.0000 | 82.818 | 0.03395 | 0.00000 | 319537.6 | 131135.9 | 183122.1 | S |
| 117.325 | 0.0000 | 0.0000 | 82.818 | 0.03394 | 0.00000 | 319537.6 | 131137.0 | 183122.1 | S |
| 117.333 | 0.0000 | 0.0000 | 82.817 | 0.03394 | 0.00000 | 319537.6 | 131138.0 | 183122.1 | S |
| 117.342 | 0.0000 | 0.0000 | 82.817 | 0.03393 | 0.00000 | 319537.6 | 131139.0 | $183\{22.1$ | S |
| 117.350 | 0.0000 | 0.0000 | 82.817 | 0.03393 | 0.00000 | 319537.6 | 131140.0 | 183122.1 | S |
| 117.358 | 0.0000 | 0.0000 | 82.817 | 0.03392 | 0.00000 | 319537.6 | 131141.0 | 183122.1 | S |
| 117.367 | 0.0000 | 0.0000 | 82.817 | 0.03392 | 0.00000 | 319537.6 | 131142.0 | 183122.1 | S |
| 117.375 | 0.0000 | 0.0000 | 82.817 | 0.03392 | 0.00000 | 319537.6 | 131143.1 | 183122.1 | S |
| 117.383 | 0.0000 | 0.0000 | 82.817 | 0.03391 | 0.00000 | 319537.6 | 131144.1 | 183122.1 | S |
| 117.392 | 0.0000 | 0.0000 | 82.816 | 0.03391 | 0.00000 | 319537.6 | 131145.1 | 183122.1 | S |
| 117.400 | 0.0000 | 0.0000 | 82.816 | 0.03390 | 0.00000 | 319537.6 | 131146.1 | 183122.4 | S |
| 117.408 | 0.0000 | 0.0000 | 82.816 | 0.03390 | 0.00000 | 319537.6 | 131147.1 | 183122.1 | S |
| 117.417 | 0.0000 | 0.0000 | 82.816 | 0.03389 | 0.00000 | 319537.6 | 131148.2 | 183122.1 | S |
| 117.425 | 0.0000 | 0.0000 | 82.816 | 0.03389 | 0.00000 | 319537.6 | 131149.2 | 183122.1 | 5 |
| 117.433 | 0.0000 | 0.0000 | 82.816 | 0.03389 | 0.00000 | 319537.6 | 131150.2 | 183122.1 | S |
| 117.442 | 0.0000 | 0.0000 | 82.816 | 0.03388 | 0.00000 | 319537.6 | 131151.2 | 183122.1 | 5 |
| 117.450 | 0.0000 | 0.0000 | 82.815 | 0.03388 | 0.00000 | 319537.6 | $\$ 31152.2$ | 183122.1 | S |
| 117.458 | 0.0000 | 0.0000 | 82.815 | 0.03387 | 0.00000 | 319537.6 | 131153.2 | 183122.1 | S |
| 117.467 | 0.0000 | 0.0000 | 82.815 | 0.03387 | 0.00000 | 319537.6 | 131154.3 | 183122.1 | S |
| 117.475 | 0.0000 | 0.0000 | 82.815 | 0.03386 | 0.00000 | 319537.6 | 131155.3 | 183122.1 | S |
| 117.483 | 0.0000 | 0.0000 | 82.815 | 0.03386 | 0.00000 | 319537.6 | 131156.3 | 183122.1 | S |
| 117.492 | 0.0000 | 0.0000 | 82.815 | 0.03385 | 0.00000 | 319537.6 | 131157.3 | 183122.1 | S |
| 117.500 | 0.0000 | 0.0000 | 82.815 | 0.03385 | 0.00000 | 319537.6 | $13 \ddagger 158.3$ | 183122.1 | S |
| 117.508 | 0.0000 | 0.0000 | 82.814 | 0.03385 | 0.00000 | 319537.6 | 131159.3 | 183122.1 | 5 |
| 117.517 | 0.0000 | 0.0000 | 82.814 | 0.03384 | 0.00000 | 319537.6 | 131160.3 | 183122.1 | S |
| 117.525 | 0.0000 | 0.0000 | 82.814 | 0.03384 | 0.00000 | 319537.6 | 131161.4 | 183122.1 | S |
| 117.533 | 0.0000 | 0.0000 | 82.814 | 0.03383 | 0.00000 | 319537.6 | 131162.4 | 183122.1 | S |
| 117.542 | 0.0000 | 0.0000 | 82.814 | 0.03383 | 0.00000 | 319537.6 | 131163.4 | 183122.1 | 5 |
| 117.550 | 0.0000 | 0.0000 | 82.814 | 0.03382 | 0.00000 | 319537.6 | 131164.4 | 183122.1 | S |
| 117.558 | 0.0000 | 0.0000 | 82.814 | 0.03382 | 0.00000 | 319537.6 | 131165.4 | 183122.1 | S |
| 117.567 | 0.0000 | 0.0000 | 82.813 | 0.03382 | 0.00000 | 319537.6 | 131166.4 | 183122.1 | S |
| 117.575 | 0.0000 | 0.0000 | 82.813 | 0.03381 | 0.00000 | 319537.6 | 131167.5 | 183122.1 | S |
| 117.583 | 0.0000 | 0.0000 | 82.813 | 0.03381 | 0.00000 | 319537.6 | 131168.5 | 183122.1 | S |
| 117.592 | 0.0000 | 0.0000 | 82.813 | 0.03380 | 0.00000 | 319537.6 | 131169.5 | 183122.1 | S |
| 117.600 | 0.0000 | 0.0000 | 82.813 | 0.03380 | 0.00000 | 319537.6 | 131170.5 | 183122.1 | S |
| 117.608 | 0.0000 | 0.0000 | 82.813 | 0.03379 | 0.00000 | 319537.6 | 131171.5 | 183122.1 | S |
| 117.617 | 0.0000 | 0.0000 | 82.813 | 0.03379 | 0.00000 | 319537.6 | 131172.5 | 183122.1 | S |
| 117.625 | 0.0000 | 0.0000 | 82.812 | 0.03379 | 0.00000 | 319537.6 | 131173.5 | 183122.1 | S |
| 117.633 | 0.0000 | 0.0000 | 82.812 | 0.03378 | 0.00000 | 319537.6 | 131174.5 | 183122.1 | S |
| 117.642 | 0.0000 | 0.0000 | 82.812 | 0.03378 | 0.00000 | 319537.6 | 131175.6 | 183122.1 | S |
| 117.650 | 0.0000 | 0.0000 | 82.812 | 0.03377 | 0.00000 | 319537.6 | 131176.6 | 183122.1 | S |
| 117.658 | 0.0000 | 0.0000 | 82.812 | 0.03377 | 0.00000 | 319537.6 | 131177.6 | 183122.1 | S |
| 117.667 | 0.0000 | 0.0000 | 82.812 | 0.03376 | 0.00000 | 319537.6 | 131178.6 | 183122.1 | S |
| 117.675 | 0.0000 | 0.0000 | 82.812 | 0.03376 | 0.00000 | 319537.6 | 131179.6 | 183122.1 | S |
| 117.683 | 0.0000 | 0.0000 | 82.811 | 0.03375 | 0.00000 | 319537.6 | 131180.6 | 183122.3 | S |
| 117.692 | 0.0000 | 0.0000 | 82.811 | 0.03375 | 0.00000 | 319537.6 | 131181.6 | 183122.1 | S |
| 117.700 | 0.0000 | 0.0000 | 82.811 | 0.03375 | 0.00000 | 319537.6 | 131182.7 | 183122.1 | S |
| 117.708 | 0.0000 | 0.0000 | 82.811 | 0.03374 | 0.00000 | 319537.6 | 131183.7 | 183122.1 | S |
| 117.717 | 0.0000 | 0.0000 | 82.811 | 0.03374 | 0.00000 | 319537.6 | 131184.7 | 183122.1 | S |
| 117.725 | 0.0000 | 0.0000 | 82.811 | 0.03373 | 0.00000 | 319537.6 | 131185.7 | 183122.1 | S |
| 117.733 | 0.0000 | 0.0000 | 82.811 | 0.03373 | 0.00000 | 319537.6 | 131186.7 | 183122.1 | S |
| 117.742 | 0.0000 | 0.0000 | 82.810 | 0.03372 | 0.00000 | 319537.6 | 131187.7 | 183122.1 | S |
| 117.750 | 0.0000 | 0.0000 | 82.810 | 0.03372 | 0.00000 | 319537.6 | 131188.7 | 183122.1 | 5 |
| 117.758 | 0.0000 | 0.0000 | 82.810 | 0.03372 | 0.00000 | 319537.6 | 131189.7 | 183122.1 | S |
| 117.767 | 0.0000 | 0.0000 | 82.810 | 0.03371 | 0.00000 | 319537.6 | 131190.8 | 183122.1 | 5 |
| 117.775 | 0.0000 | 0.0000 | 82.810 | 0.03371 | 0.00000 | 319537.6 | 131191.8 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow <br> Rate <br> ( $\mathrm{H}^{3 / 3} \mathrm{~s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3 / 3}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume $\left\langle\mathrm{f}^{3}\right.$ ) | Cumulative infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{tt}^{3}$ ) | $\begin{aligned} & \text { Flow } \\ & \text { Type } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 117.783 | 0.0000 | 0.0000 | 82.810 | 0.03370 | 0.00000 | 319537.6 | 131192.8 | 183122.1 | S |
| 117.792 | 0.0000 | 0.0000 | 82.810 | 0.03370 | 0.00000 | 319537.6 | 131193.8 | 183122.1 | S |
| 117.800 | 0.0000 | 0.0000 | 82.809 | 0.03369 | 0.00000 | 319537.6 | 131194.8 | 183122.1 | S |
| 117.808 | 0.0000 | 0.0000 | 82.809 | 0.03369 | 0.00000 | 319537.6 | 131195.8 | 183122.1 | S |
| 117.817 | 0.0000 | 0.0000 | 82.809 | 0.03369 | 0.00000 | 319537.6 | 131196.8 | 183122.1 | S |
| 117.825 | 0.0000 | 0.0000 | 82.809 | 0.03368 | 0.00000 | 319537.6 | 131197.8 | 183122.1 | S |
| 117.833 | 0.0000 | 0.0000 | 82.809 | 0.03368 | 0.00000 | 319537.6 | 131198.8 | 183122.1 | S |
| 117.842 | 0.0000 | 0.0000 | 82.809 | 0.03367 | 0.00000 | 319537.6 | 131199.8 | 183122.1 | S |
| 117.850 | 0.0000 | 0.0000 | 82.809 | 0.03367 | 0.00000 | 319537.6 | 131200.9 | 183122.1 | S |
| 117.858 | 0.0000 | 0.0000 | 82.808 | 0.03366 | 0.00000 | 319537.6 | 131201.9 | 183122.1 | S |
| 117.867 | 0.0000 | 0.0000 | 82.808 | 0.03366 | 0.00000 | 319537.6 | 131202.9 | 183122.1 | S |
| 117.875 | 0.0000 | 0.0000 | 82.808 | 0.03365 | 0.00000 | 319537.6 | 131203.9 | 183122.1 | S |
| 117.883 | 0.0000 | 0.0000 | 82.808 | 0.03365 | 0.00000 | 319537.6 | 131204.9 | 183122.1 | S |
| 117.892 | 0.0000 | 0.0000 | 82.808 | 0.03365 | 0.00000 | 319537.6 | 131205.9 | 183122.1 | S |
| 117.900 | 0.0000 | 0.0000 | 82.808 | 0.03364 | 0.00000 | 319537.6 | 131206.9 | 183122.1 | S |
| 117.908 | 0.0000 | 0.0000 | 82.808 | 0.03364 | 0.00000 | 319537.6 | 731207.9 | 183122.1 | S |
| 117.917 | 0.0000 | 0.0000 | 82.807 | 0.03363 | 0.00000 | 319537.6 | 131208.9 | 183122.1 | S |
| 117.925 | 0.0000 | 0.0000 | 82.807 | 0.03363 | 0.00000 | 319537.6 | 131209.9 | 183122.1 | S |
| 117.933 | 0.0000 | 0.0000 | 82.807 | 0.03362 | 0.00000 | 319537.6 | 131211.0 | 183122.1 | S |
| 117.942 | 0.0000 | 0.0000 | 82.807 | 0.03362 | 0.00000 | 319537.6 | 131212.0 | 183122.1 | S |
| 117.950 | 0.0000 | 0.0000 | 82.807 | 0.03362 | 0.00000 | 319537.6 | 131213.0 | 183122.1 | S |
| 117.958 | 0.0000 | 0.0000 | 82.807 | 0.03361 | 0.00000 | 319537.6 | 131214.0 | 183122.1 | S |
| 117.967 | 0.0000 | 0.0000 | 82.807 | 0.03361 | 0.00000 | 319537.6 | 131215.0 | 183122.1 | S |
| 117.975 | 0.0000 | 0.0000 | 82.806 | 0.03360 | 0.00000 | 319537.6 | 131216.0 | 183122.1 | S |
| 117.983 | 0.0000 | 0.0000 | 82.806 | 0.03360 | 0.00000 | 319537.6 | 131217.0 | 183122.1 | S |
| 117.992 | 0.0000 | 0.0000 | 82.806 | 0.03359 | 0.00000 | 319537.6 | 131218.0 | 183122.1 | S |
| 118.000 | 0.0000 | 0.0000 | 82.806 | 0.03359 | 0.00000 | 319537.6 | 131219.0 | 183122.1 | S |
| 118.008 | 0.0000 | 0.0000 | 82.806 | 0.03359 | 0.00000 | 319537.6 | 131220.0 | 183122.1 | S |
| 118.017 | 0.0000 | 0.0000 | 82.806 | 0.03358 | 0.00000 | 319537.6 | 131221.0 | 183122.1 | S |
| 118.025 | 0.0000 | 0.0000 | 82.806 | 0.03358 | 0.00000 | 319537.6 | 131222.0 | 183122.1 | S |
| 118.033 | 0.0000 | 0.0000 | 82.805 | 0.03357 | 0.00000 | 319537.6 | 131223.0 | 183122.1 | S |
| 118.042 | 0.0000 | 0.0000 | 82.805 | 0.03357 | 0.00000 | 319537.6 | 131224.0 | 183122.1 | S |
| 118.050 | 0.0000 | 0.0000 | 82.805 | 0.03356 | 0.00000 | 319537.6 | 131225.1 | 183122.1 | S |
| 118.058 | 0.0000 | 0.0000 | 82.805 | 0.03356 | 0.00000 | 318537.6 | 131226.1 | 183122.1 | S |
| 118.067 | 0.0000 | 0.0000 | 82.805 | 0.03356 | 0.00000 | 319537.6 | 131227.1 | 183122.1 | S |
| 118.075 | 0.0000 | 0.0000 | 82.805 | 0.03355 | 0.00000 | 319537.6 | 131228.1 | 183122.1 | S |
| 118.083 | 0.0000 | 0.0000 | 82.805 | 0.03355 | 0.00000 | 319537.6 | 131229.1 | 183122.1 | S |
| 118.092 | 0.0000 | 0.0000 | 82.804 | 0.03354 | 0.00000 | 319537.6 | 131230.1 | 183122.1 | S |
| 118.100 | 0.0000 | 0.0000 | 82.804 | 0.03354 | 0.00000 | 319537.6 | 131231.1 | 183122.1 | S |
| 118.108 | 0.0000 | 0.0000 | 82.804 | 0.03353 | 0.00000 | 319537.6 | 131232.1 | 183122.1 | S |
| 118.117 | 0.0000 | 0.0000 | 82.804 | 0.03353 | 0.00000 | 319537.6 | 131233.1 | 183122.1 | S |
| 118.125 | 0.0000 | 0.0000 | 82.804 | 0.03353 | 0.00000 | 319537.6 | 131234.1 | 183122.1 | S |
| 118.133 | 0.0000 | 0.0000 | 82.804 | 0.03352 | 0.00000 | 319537.6 | 131235.1 | 183122.1 | S |
| 118.142 | 0.0000 | 0.0000 | 82.804 | 0.03352 | 0.00000 | 319537.6 | 131236.1 | 183122.1 | S |
| 118.150 | 0.0000 | 0.0000 | 82.804 | 0.03351 | 0.00000 | 319537.6 | 131237.1 | 183122.1 | S |
| 118.158 | 0.0000 | 0.0000 | 82.803 | 0.03351 | 0.00000 | 319537.6 | 131238.1 | 183122.1 | S |
| 118.167 | 0.0000 | 0.0000 | 82.803 | 0.03350 | 0.00000 | 319537.6 | 131239.1 | 183122.1 | S |
| 118.175 | 0.0000 | 0.0000 | 82.803 | 0.03350 | 0.00000 | 319537.6 | 731240.1 | 183122.1 | S |
| 118.183 | 0.0000 | 0.0000 | 82.803 | 0.03350 | 0.00000 | 319537.6 | 131241.2 | 183122.1 | S |
| 118.192 | 0.0000 | 0.0000 | 82.803 | 0.03349 | 0.00000 | 319537.6 | 131242.2 | 183122.1 | S |
| 118.200 | 0.0000 | 0.0000 | 82.803 | 0.03349 | 0.00000 | 319537.6 | 131243.2 | 183122.1 | S |
| 118.208 | 0.0000 | 0.0000 | 82.803 | 0.03348 | 0.00000 | 319537.6 | 131244.2 | 183122.1 | S |
| 118.217 | 0.0000 | 0.0000 | 82.802 | 0.03348 | 0.00000 | 319537.6 | 131245.2 | 183122.1 | S |
| 118.225 | 0.0000 | 0.0000 | 82.802 | 0.03347 | 0.00000 | 319537.6 | 131246.2 | 183122.1 | S |
| 118.233 | 0.0000 | 0.0000 | 82.802 | 0.03347 | 0.00000 | 319537.6 | 131247.2 | 183122.1 | S |
| 118.242 | 0.0000 | 0.0000 | 82.802 | 0.03347 | 0.00000 | 319537.6 | 131248.2 | 183122.1 | S |
| 118.250 | 0.0000 | 0.0000 | 82.802 | 0.03346 | 0.00000 | 319537.6 | 131249.2 | 183122.1 | S |
| 118.258 | 0.0000 | 0.0000 | 82.802 | 0.03346 | 0.00000 | 319537.6 | 131250.2 | 183122.1 | S |
| 118.267 | 0.0000 | 0.0000 | 82.802 | 0.03345 | 0.00000 | 319537.6 | 131251.2 | 183122.1 | S |
| 118.275 | 0.0000 | 0.0000 | 82.801 | 0.03345 | 0.00000 | 319537.6 | 131252.2 | 183122.1 | S |
| 118.283 | 0.0000 | 0.0000 | 82.801 | 0.03344 | 0.00000 | 319537.6 | 131253.2 | 183122.1 | S |
| 118.292 | 0.0000 | 0.0000 | 82.801 | 0.03344 | 0.00000 | 319537.6 | 131254.2 | 183122.1 | S |
| 118.300 | 0.0000 | 0.0000 | 82.801 | 0.03344 | 0.00000 | 319537.6 | 131255.2 | 183122.1 | S |
| 118.308 | 0.0000 | 0.0000 | 82.801 | 0.03343 | 0.00000 | 319537.6 | 131256.2 | 183122.1 | S |
| 118.317 | 0.0000 | 0.0000 | 82.801 | 0.03343 | 0.00000 | 319537.6 | 131257.2 | 183122.1 | S |
| 118.325 | 0.0000 | 0.0000 | 82.801 | 0.03342 | 0.00000 | 319537.6 | 131258.2 | 183122.1 | S |
| 118.333 | 0.0000 | 0.0000 | 82.800 | 0.03342 | 0.00000 | 319537.6 | 131259.2 | 183122.1 | S |
| 118.342 | 0.0000 | 0.0000 | 82.800 | 0.03341 | 0.00000 | 319537.6 | 131260.2 | 183122.1 | S |
| 118.350 | 0.0000 | 0.0000 | 82.800 | 0.03341 | 0.00000 | 319537.6 | 131261.2 | 183122.1 | S |
| 118.358 | 0.0000 | 0.0000 | 82.800 | 0.03341 | 0.00000 | 319537.6 | 131262.2 | 183122.1 | S |
| 118.367 | 0.0000 | 0.0000 | 82.800 | 0.03340 | 0.00000 | 319537.6 | 131263.2 | 183122.1 | S |
| 118.375 | 0.0000 | 0.0000 | 82.800 | 0.03340 | 0.00000 | 319537.6 | 131264.2 | 183122.1 | S |
| 118.383 | 0.0000 | 0.0000 | 82.800 | 0.03339 | 0.00000 | 319537.6 | 131265.2 | 183122.1 | S |
| 118.392 | 0.0000 | 0.0000 | 82.799 | 0.03339 | 0.00000 | 319537.6 | 131266.2 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont.d.)
:. Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow <br> Rate <br> ( $\mathrm{Ht}^{3 / \mathrm{s}}$ ) | Outside Recharge (f/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / 5}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volurne ( $\mathrm{ff}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 118.400 | 0.0000 | 0.0000 | 82.799 | 0.03338 | 0.00000 | 319537.6 | 131267.2 | 183122.1 | S |
| 118.408 | 0.0000 | 0.0000 | 82.799 | 0.03338 | 0.00000 | 319537.6 | 131268.2 | 183122.1 | S |
| 118.417 | 0.0000 | 0.0000 | 82.799 | 0.03338 | 0.00000 | 319537.6 | 131269.2 | 183122.1 | S |
| 118.425 | 0.0000 | 0.0000 | 82.799 | 0.03337 | 0.00000 | 319537.6 | 131270.2 | 183122.1 | S |
| 118.433 | 0.0000 | 0.0000 | 82.799 | 0.03337 | 0.00000 | 319537.6 | 131271.2 | 183122.1 | S |
| 118.442 | 0.0000 | 0.0000 | 82.799 | 0.03336 | 0.00000 | 319537.6 | 131272.2 | 183122.1 | S |
| 118.450 | 0.0000 | 0.0000 | 82.798 | 0.03336 | 0.00000 | 319537.6 | 131273.2 | 183122.7 | S |
| 118.458 | 0.0000 | 0.0000 | 82.798 | 0.03335 | 0.00000 | 319537.6 | 131274.3 | 183122.1 | S |
| 118.467 | 0.0000 | 0.0000 | 82.798 | 0.03335 | 0.00000 | 319537.6 | 131275.3 | 183122.1 | S |
| 118.475 | 0.0000 | 0.0000 | 82.798 | 0.03335 | 0.00000 | 319537.6 | 131276.3 | 183122.1 | 5 |
| 118.483 | 0.0000 | 0.0000 | 82.798 | 0.03334 | 0.00000 | 319537.6 | 131277.3 | 183122.1 | S |
| 118.492 | 0.0000 | 0.0000 | 82.798 | 0.03334 | 0.00000 | 319537.6 | 131278.3 | 183122.1 | S |
| 118.500 | 0.0000 | 0.0000 | 82.798 | 0.03333 | 0.00000 | 319537.6 | 131279.3 | 183122.1 | S |
| 118.508 | 0.0000 | 0.0000 | 82.797 | 0.03333 | 0.00000 | 319537.6 | 131280.3 | 183122.1 | S |
| 118.517 | 0.0000 | 0.0000 | 82.797 | 0.03332 | 0.00000 | 319537.6 | 131281.3 | 183122.1 | S |
| 118.525 | 0.0000 | 0.0000 | 82.797 | 0.03332 | 0.00000 | 319537.6 | 131282.3 | 183122.1 | S |
| 118.533 | 0.0000 | 0.0000 | 82.797 | 0.03332 | 0.00000 | 319537.6 | 131283.3 | 183122.1 | S |
| 118.542 | 0.0000 | 0.0000 | 82.797 | 0.03331 | 0.00000 | 319537.6 | 131284.2 | 183122.1 | S |
| 118.550 | 0.0000 | 0.0000 | 82.797 | 0.03331 | 0.00000 | 319537.6 | 131285.2 | 183122.1 | S |
| 118.558 | 0.0000 | 0.0000 | 82.797 | 0.03330 | 0.00000 | 319537.6 | 131286.2 | 183122.1 | S |
| 118.567 | 0.0000 | 0.0000 | 82.796 | 0.03330 | 0.00000 | 319537.6 | 131287.2 | 183122.1 | S |
| 118.575 | 0.0000 | 0.0000 | 82.796 | 0.03329 | 0.00000 | 319537.6 | 131288.2 | 183122.1 | S |
| 118.583 | 0.0000 | 0.0000 | 82.796 | 0.03329 | 0.00000 | 319537.6 | 131289.2 | 183122.1 | S |
| 118.592 | 0.0000 | 0.0000 | 82.796 | 0.03329 | 0.00000 | 319537.6 | 131290.2 | 183122.1 | S |
| 118.600 | 0.0000 | 0.0000 | 82.796 | 0.03328 | 0.00000 | 319537.6 | 131291.2 | 183122.1 | S |
| 118.608 | 0.0000 | 0.0000 | 82.796 | 0.03328 | 0.00000 | 319537.6 | 131292.2 | 183122.1 | S |
| 118.617 | 0.0000 | 0.0000 | 82.796 | 0.03327 | 0.00000 | 319537.6 | 131293.2 | 183122.1 | S |
| 118.625 | 0.0000 | 0.0000 | 82.795 | 0.03327 | 0.00000 | 319537.6 | 131294.2 | 183122.1 | S |
| 118.633 | 0.0000 | 0.0000 | 82.795 | 0.03326 | 0.00000 | 319537.6 | 131295.2 | 183122.1 | S |
| 118.642 | 0.0000 | 0.0000 | 82.795 | 0.03326 | 0.00000 | 319537.6 | 131296.2 | 183122.1 | S |
| 118.650 | 0.0000 | 0.0000 | 82.795 | 0.03326 | 0.00000 | 319537.6 | 131297.2 | 183122.1 | S |
| 118.658 | 0.0000 | 0.0000 | 82.795 | 0.03325 | 0.00000 | 319537.6 | 131298.2 | 183122.1 | S |
| 118.667 | 0.0000 | 0.0000 | 82.795 | 0.03325 | 0.00000 | 319537.6 | 131299.2 | 183122.1 | S |
| 118.675 | 0.0000 | 0.0000 | 82.795 | 0.03324 | 0.00000 | 319537.6 | 131300.2 | 183122.1 | S |
| 118.683 | 0.0000 | 0.0000 | 82.794 | 0.03324 | 0.00000 | 319537.6 | \$31301.2 | 183122.1 | S |
| 118.692 | 0.0000 | 0.0000 | 82.794 | 0.03324 | 0.00000 | 319537.6 | 131302.2 | 183122.1 | S |
| 118.700 | 0.0000 | 0.0000 | 82.794 | 0.03323 | 0.00000 | 319537.6 | 131303.2 | 183122.1 | S |
| 118.708 | 0.0000 | 0.0000 | 82.794 | 0.03323 | 0.00000 | 319537.6 | 131304.2 | 183122.1 | S |
| 118.717 | 0.0000 | 0.0000 | 82.794 | 0.03322 | 0.00000 | 319537.6 | 131305.2 | 183122.1 | S |
| 118.725 | 0.0000 | 0.0000 | 82.794 | 0.03322 | 0.00000 | 319537.6 | 131306.2 | 183122.4 | S |
| 118.733 | 0.0000 | 0.0000 | 82.794 | 0.03321 | 0.00000 | 319537.6 | 131307.2 | 183122.1 | S |
| 118.742 | 0.0000 | 0.0000 | 82.794 | 0.03321 | 0.00000 | 319537.6 | 131308.2 | 183122.1 | S |
| 118.750 | 0.0000 | 0.0000 | 82.793 | 0.03321 | 0.00000 | 319537.6 | 131309.2 | 183122.1 | S |
| 118.758 | 0.0000 | 0.0000 | 82.793 | 0.03320 | 0.00000 | 319537.6 | 131310.2 | 183122.1 | S |
| 118.767 | 0.0000 | 0.0000 | 82.793 | 0.03320 | 0.00000 | 319537.6 | 131311.2 | 183122.1 | S |
| 118.775 | 0.0000 | 0.0000 | 82.793 | 0.03319 | 0.00000 | 319537.6 | 131312.2 | 183122.1 | S |
| 118.783 | 0.0000 | 0.0000 | 82.793 | 0.03319 | 0.00000 | 319537.6 | 131313.2 | 183122.1 | S |
| 118.792 | 0.0000 | 0.0000 | 82.793 | 0.03318 | 0.00000 | 319537.6 | 131314.2 | 183122.1 | S |
| 118.800 | 0.0000 | 0.0000 | 82.793 | 0.03318 | 0.00000 | 319537.6 | 131315.2 | 183122.1 | S |
| 118.808 | 0.0000 | 0.0000 | 82.792 | 0.03318 | 0.00000 | 319537.6 | 131316.2 | 183122.1 | S |
| 118.817 | 0.0000 | 0.0000 | 82.792 | 0.03317 | 0.00000 | 319537.6 | 131317.2 | 183122.1 | S |
| 118.825 | 0.0000 | 0.0000 | 82.792 | 0.03317 | 0.00000 | 319537.6 | 131318.1 | 183122.1 | S |
| 118.833 | 0.0000 | 0.0000 | 82.792 | 0.03316 | 0.00000 | 319537.6 | 131319.1 | 183122.1 | S |
| 118.842 | 0.0000 | 0.0000 | 82.792 | 0.03316 | 0.00000 | 319537.6 | 131320.1 | 183122.1 | S |
| 118.850 | 0.0000 | 0.0000 | 82.792 | 0.03315 | 0.00000 | 319537.6 | 131321.1 | 183122.1 | S |
| 118.858 | 0.0000 | 0.0000 | 82.792 | 0.03315 | 0.00000 | 319537.6 | 131322.1 | 183122.1 | S |
| 118.867 | 0.0000 | 0.0000 | 82.791 | 0.03315 | 0.00000 | 319537.6 | 131323.7 | 183122.1 | S |
| 118.875 | 0.0000 | 0.0000 | 82.791 | 0.03314 | 0.00000 | 319537.6 | 131324.1 | 183122.1 | S |
| 118.883 | 0.0000 | 0.0000 | 82.791 | 0.03314 | 0.00000 | 319537.6 | 131325.1 | 183122.1 | S |
| 118.892 | 0.0000 | 0.0000 | 82.791 | 0.03313 | 0.00000 | 319537.6 | 131326.1 | 183122.1 | S |
| 118.900 | 0.0000 | 0.0000 | 82.791 | 0.03313 | 0.00000 | 319537.6 | 131327.1 | 183122.7 | S |
| 118.908 | 0.0000 | 0.0000 | 82.791 | 0.03312 | 0.00000 | 319537.6 | 131328.1 | 183122.1 | S |
| 118.917 | 0.0000 | 0.0000 | 82.791 | 0.03312 | 0.00000 | 319537.6 | 131329.1 | 483122.1 | S |
| 118.925 | 0.0000 | 0.0000 | 82.790 | 0.03312 | 0.00000 | 319537.6 | 131330.1 | 183122.1 | S |
| 118.933 | 0.0000 | 0.0000 | 82.790 | 0.03311 | 0.00000 | 319537.6 | 131331.1 | 183122.1 | S |
| 118.942 | 0.0000 | 0.0000 | 82.790 | 0.03311 | 0.00000 | 319537.6 | 131332.1 | 183122.1 | S |
| 118.950 | 0.0000 | 0.0000 | 82.790 | 0.03310 | 0.00000 | 319537.6 | 131333.1 | 183122.1 | S |
| 118.958 | 0.0000 | 0.0000 | 82.790 | 0.03310 | 0.00000 | 319537.6 | 131334.0 | 183122.1 | S |
| 118.967 | 0.0000 | 0.0000 | 82.790 | 0.03310 | 0.00000 | 319537.6 | 131335.0 | 183122.1 | S |
| 118.975 | 0.0000 | 0.0000 | 82.790 | 0.03309 | 0.00000 | 319537.6 | 131336.0 | 183122.1 | S |
| 118.983 | 0.0000 | 0.0000 | 82.789 | 0.03309 | 0.00000 | 319537.6 | 131337.0 | 183122.1 | S |
| 118.992 | 0.0000 | 0.0000 | 82.789 | 0.03308 | 0.00000 | 319537.6 | 131338.0 | 183122.1 | S |
| 119.000 | 0.0000 | 0.0000 | 82.789 | 0.03308 | 0.00000 | 319537.6 | 131339.0 | 183122.1 | S |
| 119.008 | 0.0000 | 0.0000 | 82.789 | 0.03307 | 0.00000 | 319537.6 | 131340.0 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :. Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate (f $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside <br> Recharge (fi/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Overtiow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Infiltration Volume ( fi $^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Fiow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 119.017 | 0.0000 | 0.0000 | 82.789 | 0.03307 | 0.00000 | 319537.6 | 131341.0 | 183122.1 | S |
| 119.025 | 0.0000 | 0.0000 | 82.789 | 0.03307 | 0.00000 | 319537.6 | 131342.0 | 183122.1 | S |
| 119.033 | 0.0000 | 0.0000 | 82.789 | 0.03306 | 0.00000 | 319537.6 | 131343.0 | 183122.1 | S |
| 119.042 | 0.0000 | 0.0000 | 82.788 | 0.03306 | 0.00000 | 319537.6 | 131344.0 | 183122.1 | S |
| 119.050 | 0.0000 | 0.0000 | 82.788 | 0.03305 | 0.00000 | 319537.6 | 131345.0 | 183122.1 | S |
| 119.058 | 0.0000 | 0.0000 | 82.788 | 0.03305 | 0.00000 | 319537.6 | 131346.0 | 183122.1 | S |
| 119.067 | 0.0000 | 0.0000 | 82.788 | 0.03304 | 0.00000 | 319537.6 | 131347.0 | 183122.1 | S |
| 119.075 | 0.0000 | 0.0000 | 82.788 | 0.03304 | 0.00000 | 319537.6 | 131347.9 | 183122.1 | S |
| 119.083 | 0.0000 | 0.0000 | 82.788 | 0.03304 | 0.00000 | 319537.6 | 131348.9 | 183122.1 | S |
| 119.092 | 0.0000 | 0.0000 | 82.788 | 0.03303 | 0.00000 | 319537.6 | 131349.9 | 183122.1 | S |
| 119.100 | 0.0000 | 0.0000 | 82.788 | 0.03303 | 0.00000 | 319537.6 | 131350.9 | 183122.1 | S |
| 119.108 | 0.0000 | 0.0000 | 82.787 | 0.03302 | 0.00000 | 319537.6 | 131351.9 | 183122.1 | S |
| 119.117 | 0.0000 | 0.0000 | 82.787 | 0.03302 | 0.00000 | 319537.6 | 131352.9 | 183122.1 | S |
| 119.125 | 0.0000 | 0.0000 | 82.787 | 0.03302 | 0.00000 | 319537.6 | 131353.9 | 183122.1 | S |
| 119.133 | 0.0000 | 0.0000 | 82.787 | 0.03301 | 0.00000 | 319537.6 | 131354.9 | 183122.1 | S |
| 119.142 | 0.0000 | 0.0000 | 82.787 | 0.03301 | 0.00000 | 319537.6 | 131355.9 | 183122.1 | S |
| 119.150 | 0.0000 | 0.0000 | 82.787 | 0.03300 | 0.00000 | 319537.6 | 131356.9 | 183122.1 | S |
| 119.158 | 0.0000 | 0.0000 | 82.787 | 0.03300 | 0.00000 | 319537.6 | 131357.8 | 183122.1 | S |
| 119.167 | 0.0000 | 0.0000 | 82.786 | 0.03299 | 0.00000 | 319537.6 | 131358.8 | 183122.1 | S |
| 119.175 | 0.0000 | 0.0000 | 82.786 | 0.03299 | 0.00000 | 319537.6 | 131359.8 | 183122.1 | S |
| 119.183 | 0.0000 | 0.0000 | 82.786 | 0.03299 | 0.00000 | 319537.6 | 131360.8 | 183122.1 | S |
| 119.192 | 0.0000 | 0.0000 | 82.786 | 0.03298 | 0.00000 | 319537.6 | 131361.8 | 183122.1 | S |
| 119.200 | 0.0000 | 0.0000 | 82.786 | 0.03298 | 0.00000 | 319537.6 | 131362.8 | 183122.1 | S |
| 119.208 | 0.0000 | 0.0000 | 82.786 | 0.03297 | 0.00000 | 319537.6 | 131363.8 | 183122.1 | S |
| 119.217 | 0.0000 | 0.0000 | 82.786 | 0.03297 | 0.00000 | 319537.6 | 131364.8 | 183122.1 | S |
| 119.225 | 0.0000 | 0.0000 | 82.785 | 0.03297 | 0.00000 | 319537.6 | 131365.8 | 183122.1 | S |
| 119.233 | 0.0000 | 0.0000 | 82.785 | 0.03296 | 0.00000 | 319537.6 | 131366.8 | 183122.1 | S |
| \$19.242 | 0.0000 | 0.0000 | 82.785 | 0.03296 | 0.00000 | 319537.6 | 131367.7 | 183122.1 | S |
| \$19.250 | 0.0000 | 0.0000 | 82.785 | 0.03295 | 0.00000 | 319537.6 | 131368.7 | 183122.1 | S |
| 119.258 | 0.0000 | 0.0000 | 82.785 | 0.03295 | 0.00000 | 319537.6 | 131369.7 | 183122.1 | S |
| 119.267 | 0.0000 | 0.0000 | 82.785 | 0.03294 | 0.00000 | 319537.6 | 131370.7 | 183122.1 | S |
| 119.275 | 0.0000 | 0.0000 | 82.785 | 0.03294 | 0.00000 | 319537.6 | 131371.7 | 183122.1 | S |
| 119.283 | 0.0000 | 0.0000 | 82.784 | 0.03294 | 0.00000 | 319537.6 | 131372.7 | 183122.1 | S |
| 119.292 | 0.0000 | 0.0000 | 82.784 | 0.03293 | 0.00000 | 319537.6 | 131373.7 | 183122.1 | S |
| 119.300 | 0.0000 | 0.0000 | 82.784 | 0.03293 | 0.00000 | $3\} 9537.6$ | 131374.7 | 183122.1 | S |
| 119.308 | 0.0000 | 0.0000 | 82.784 | 0.03292 | 0.00000 | 319537.6 | 131375.6 | 183122.1 | S |
| 119.317 | 0.0000 | 0.0000 | 82.784 | 0.03292 | 0.00000 | 319537.6 | 131376.6 | 183122.1 | S |
| 119.325 | 0.0000 | 0.0000 | 82.784 | 0.03291 | 0.00000 | 319537.6 | 131377.6 | 183122.1 | S |
| 119.333 | 0.0000 | 0.0000 | 82.784 | 0.03291 | 0.00000 | 319537.6 | 131378.6 | 183122.1 | S |
| 119.342 | 0.0000 | 0.0000 | 82.783 | 0.03291 | 0.00000 | 319537.6 | 131379.6 | 183122.1 | S |
| 119.350 | 0.0000 | 0.0000 | 82.783 | 0.03290 | 0.00000 | 319537.6 | 131380.6 | 183122.1 | S |
| 119.358 | 0.0000 | 0.0000 | 82.783 | 0.03290 | 0.00000 | 319537.6 | 131381.6 | 183122.1 | S |
| 119.367 | 0.0000 | 0.0000 | 82.783 | 0.03289 | 0.00000 | 319537.6 | 131382.6 | 183122.1 | S |
| 119.375 | 0.0000 | 0.0000 | 82.783 | 0.03289 | 0.00000 | 319537.6 | 131383.5 | 183122.1 | S |
| 119.383 | 0.0000 | 0.0000 | 82.783 | 0.03289 | 0.00000 | 319537.6 | 131384.5 | 183122.1 | S |
| 119.392 | 0.0000 | 0.0000 | 82.783 | 0.03288 | 0.00000 | 319537.6 | 131385.5 | 183122.1 | S |
| 119.400 | 0.0000 | 0.0000 | 82.782 | 0.03288 | 0.00000 | 319537.6 | 131386.5 | 183122.1 | S |
| 119.408 | 0.0000 | 0.0000 | 82.782 | 0.03287 | 0.00000 | 319537.6 | 131387.5 | 183122.1 | S |
| 119.417 | 0.0000 | 0.0000 | 82.782 | 0.03287 | 0.00000 | 319537.6 | 131388.5 | 183122.1 | S |
| 119.425 | 0.0000 | 0.0000 | 82.782 | 0.03286 | 0.00000 | 319537.6 | 131389.5 | 183122.1 | S |
| 119.433 | 0.0000 | 0.0000 | 82.782 | 0.03286 | 0.00000 | 319537.6 | 131390.5 | 183122.1 | S |
| 119.442 | 0.0000 | 0.0000 | 82.782 | 0.03286 | 0.00000 | 319537.6 | 131391.4 | 183122.1 | S |
| 119.450 | 0.0000 | 0.0000 | 82.782 | 0.03285 | 0.00000 | 319537.6 | 131392.4 | 183122.1 | S |
| 119.458 | 0.0000 | 0.0000 | 82.782 | 0.03285 | 0.00000 | 319537.6 | 131393.4 | 183122.1 | S |
| 119.467 | 0.0000 | 0.0000 | 82.781 | 0.03284 | 0.00000 | 319537.6 | 131394.4 | 183122.1 | S |
| 119.475 | 0.0000 | 0.0000 | 82.781 | 0.03284 | 0.00000 | 319537.6 | 131395.4 | 183122.1 | S |
| 119.483 | 0.0000 | 0.0000 | 82.781 | 0.03284 | 0.00000 | 319537.6 | 131396.4 | 183122.4 | S |
| 119.492 | 0.0000 | 0.0000 | 82.781 | 0.03283 | 0.00000 | 319537.6 | 131397.3 | 183122.1 | S |
| 119.500 | 0.0000 | 0.0000 | 82.781 | 0.03283 | 0.00000 | 319537.6 | 131398.3 | 183122.1 | S |
| 119.508 | 0.0000 | 0.0000 | 82.781 | 0.03282 | 0.00000 | 319537.6 | 131399.3 | 183122.1 | S |
| 119.517 | 0.0000 | 0.0000 | 82.781 | 0.03282 | 0.00000 | 319537.6 | 131400.3 | 183122.1 | S |
| 119.525 | 0.0000 | 0.0000 | 82.780 | 0.03281 | 0.00000 | 319537.6 | 131401.3 | 183722.1 | S |
| 119.533 | 0.0000 | 0.0000 | 82.780 | 0.03281 | 0.00000 | 319537.6 | 131402.3 | 183122.1 | S |
| 119.542 | 0.0000 | 0.0000 | 82.780 | 0.03281 | 0.00000 | 319537.6 | 131403.3 | 183122.1 | S |
| 119.550 | 0.0000 | 0.0000 | 82.780 | 0.03280 | 0.00000 | 319537.6 | 131404.2 | 183122.1 | S |
| 119.558 | 0.0000 | 0.0000 | 82.780 | 0.03280 | 0.00000 | 319537.6 | 131405.2 | 183122.1 | S |
| 119.567 | 0.0000 | 0.0000 | 82.780 | 0.03279 | 0.00000 | 319537.6 | 131406.2 | 183122.1 | S |
| 119.575 | 0.0000 | 0.0000 | 82.780 | 0.03279 | 0.00000 | 319537.6 | 131407.2 | 183122.1 | S |
| 119.583 | 0.0000 | 0.0000 | 82.779 | 0.03279 | 0.00000 | 319537.6 | 131408.2 | 183122.1 | S |
| 119.592 | 0.0000 | 0.0000 | 82.779 | 0.03278 | 0.00000 | 319537.6 | 131409.2 | 183122.1 | S |
| 119.600 | 0.0000 | 0.0000 | 82.779 | 0.03278 | 0.00000 | 319537.6 | 131410.1 | 183122.1 | S |
| 119.608 | 0.0000 | 0.0000 | 82.779 | 0.03277 | 0.00000 | 319537.6 | 131411.1 | 183122.1 | S |
| 119.617 | 0.0000 | 0.0000 | 82.779 | 0.03277 | 0.00000 | 319537.6 | 131412.1 | 183122.1 | S |
| 119.625 | 0.0000 | 0.0000 | 82.779 | 0.03276 | 0.00000 | 319537.6 | 131413.1 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overilow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume (fis) | Cumulative <br> Discharge <br> Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 119.633 | 0.0000 | 0.0000 | 82.779 | 0.03276 | 0.00000 | 319537.6 | 131414.1 | 183122.1 | S |
| 119.642 | 0.0000 | 0.0000 | 82.778 | 0.03276 | 0.00000 | 319537.6 | 131415.0 | 183122.1 | S |
| 119.650 | 0.0000 | 0.0000 | 82.778 | 0.03275 | 0.00000 | 319537.6 | 131416.0 | 183122.1 | S |
| 119.658 | 0.0000 | 0.0000 | 82.778 | 0.03275 | 0.00000 | 319537.6 | 131417.0 | 183122.1 | S |
| 119.667 | 0.0000 | 0.0000 | 82.778 | 0.03274 | 0.00000 | 319537.6 | 131418.0 | 183122.1 | S |
| 119.675 | 0.0000 | 0.0000 | 82.778 | 0.03274 | 0.00000 | 319537.6 | 131419.0 | 183122.1 | S |
| 119.683 | 0.0000 | 0.0000 | 82.778 | 0.03274 | 0.00000 | 319537.6 | 131420.0 | 183122.1 | S |
| 119.692 | 0.0000 | 0.0000 | 82.778 | 0.03273 | 0.00000 | 319537.6 | 131421.0 | 183122.1 | S |
| 119.700 | 0.0000 | 0.0000 | 82.777 | 0.03273 | 0.00000 | 319537.6 | 131421.9 | 183122.1 | S |
| 119.708 | 0.0000 | 0.0000 | 82.777 | 0.03272 | 0.00000 | 319537.6 | 131422.9 | 183122.1 | S |
| 119.717 | 0.0000 | 0.0000 | 82.777 | 0.03272 | 0.00000 | 319537.6 | 131423.9 | 183122.1 | S |
| 119.725 | 0.0000 | 0.0000 | 82.777 | 0.03271 | 0.00000 | 319537.6 | 131424.9 | 183122.1 | S |
| 119.733 | 0.0000 | 0.0000 | 82.777 | 0.03271 | 0.00000 | 319537.6 | 131425.9 | 183122.1 | S |
| 119.742 | 0.0000 | 0.0000 | 82.777 | 0.03271 | 0.00000 | 319537.6 | 131426.8 | 183122.1 | S |
| 119.750 | 0.0000 | 0.0000 | 82.777 | 0.03270 | 0.00000 | 319537.6 | 131427.8 | 183122.1 | S |
| 119.758 | 0.0000 | 0.0000 | 82.777 | 0.03270 | 0.00000 | 319537.6 | $\uparrow 31428.8$ | 183122.1 | S |
| 119.767 | 0.0000 | 0.0000 | 82.776 | 0.03269 | 0.00000 | 319537.6 | 131429.8 | 183122.1 | S |
| \$19.775 | 0.0000 | 0.0000 | 82.776 | 0.03269 | 0.00000 | 319537.6 | 131430.8 | 183122.1 | S |
| 119.783 | 0.0000 | 0.0000 | 82.776 | 0.03269 | 0.00000 | 319537.6 | 131431.7 | 183122.1 | S |
| 119.792 | 0.0000 | 0.0000 | 82.776 | 0.03268 | 0.00000 | 319537.6 | 131432.7 | 183122.1 | S |
| 119.800 | 0.0000 | 0.0000 | 82.776 | 0.03268 | 0.00000 | 319537.6 | 131433.7 | 183122.1 | S |
| 119.808 | 0.0000 | 0.0000 | 82.776 | 0.03267 | 0.00000 | 319537.6 | 131434.7 | 183122.1 | S |
| 119.817 | 0.0000 | 0.0000 | 82.776 | 0.03267 | 0.00000 | 319537.6 | 131435.7 | 183122.1 | S |
| 119.825 | 0.0000 | 0.0000 | 82.775 | 0.03267 | 0.00000 | 319537.6 | 131436.6 | 183122.1 | S |
| 119.833 | 0.0000 | 0.0000 | 82.775 | 0.03266 | 0.00000 | 319537.6 | 131437.6 | 183122.1 | S |
| 119.842 | 0.0000 | 0.0000 | 82.775 | 0.03266 | 0.00000 | 319537.6 | 131438.6 | 183122.1 | S |
| 119.850 | 0.0000 | 0.0000 | 82.775 | 0.03265 | 0.00000 | 319537.6 | 731439.6 | 183122.1 | S |
| 119.858 | 0.0000 | 0.0000 | 82.775 | 0.03265 | 0.00000 | 319537.6 | 131440.6 | 183122.1 | S |
| 119.867 | 0.0000 | 0.0000 | 82.775 | 0.03264 | 0.00000 | 319537.6 | 131441.5 | 183122.1 | S |
| 119.875 | 0.0000 | 0.0000 | 82.775 | 0.03264 | 0.00000 | 319537.6 | 131442.5 | 183122.1 | S |
| 119.883 | 0.0000 | 0.0000 | 82.774 | 0.03264 | 0.00000 | 319537.6 | 131443.5 | 183122.1 | S |
| 119.892 | 0.0000 | 0.0000 | 82.774 | 0.03263 | 0.00000 | 319537.6 | 131444.5 | 183122.1 | S |
| 119.900 | 0.0000 | 0.0000 | 82.774 | 0.03263 | 0.00000 | 319537.6 | 131445.5 | 183122.1 | S |
| 119.908 | 0.0000 | 0.0000 | 82.774 | 0.03262 | 0.00000 | 319537.6 | 131446.4 | 183122.1 | S |
| 119.917 | 0.0000 | 0.0000 | 82.774 | 0.03262 | 0.00000 | 319537.6 | 131447.4 | 183122.1 | S |
| 119.925 | 0.0000 | 0.0000 | 82.774 | 0.03262 | 0.00000 | 319537.6 | 131448.4 | 183122.1 | S |
| 119.933 | 0.0000 | 0.0000 | 82.774 | 0.03261 | 0.00000 | 319537.6 | 131449.4 | 183122.1 | S |
| 119.942 | 0.0000 | 0.0000 | 82.773 | 0.03261 | 0.00000 | 319537.6 | 131450.3 | 183122.1 | S |
| 119.950 | 0.0000 | 0.0000 | 82.773 | 0.03260 | 0.00000 | 319537.6 | 131451.3 | 183122.1 | S |
| 119.958 | 0.0000 | 0.0000 | 82.773 | 0.03260 | 0.00000 | 319537.6 | 131452.3 | 183122.1 | S |
| 119.967 | 0.0000 | 0.0000 | 82.773 | 0.03259 | 0.00000 | 319537.6 | 131453.3 | 183122.1 | S |
| 119.975 | 0.0000 | 0.0000 | 82.773 | 0.03259 | 0.00000 | 319537.6 | 131454.3 | 183122.1 | S |
| 119.983 | 0.0000 | 0.0000 | 82.773 | 0.03259 | 0.00000 | 319537.6 | 131455.2 | 183122.1 | S |
| 119.992 | 0.0000 | 0.0000 | 82.773 | 0.03258 | 0.00000 | 319537.6 | 131456.2 | 183122.1 | S |
| 120.000 | 0.0000 | 0.0000 | 82.773 | 0.03258 | 0.00000 | 319537.6 | 131457.2 | 183122.1 | S |
| 120.008 | 0.0000 | 0.0000 | 82.772 | 0.03257 | 0.00000 | 319537.6 | 131458.2 | 183122.1 | S |
| 120.017 | 0.0000 | 0.0000 | 82.772 | 0.03257 | 0.00000 | 319537.6 | 131459.1 | 183122.1 | S |
| 120.025 | 0.0000 | 0.0000 | 82.772 | 0.03257 | 0.00000 | 319537.6 | 131460.1 | 183122.1 | S |
| 120.033 | 0.0000 | 0.0000 | 82.772 | 0.03256 | 0.00000 | 319537.6 | 131461.1 | 183122.1 | S |
| 120.042 | 0.0000 | 0.0000 | 82.772 | 0.03256 | 0.00000 | 319537.6 | 131462.1 | 183122.1 | S |
| 120.050 | 0.0000 | 0.0000 | 82.772 | 0.03255 | 0.00000 | 319537.6 | $\uparrow 31463.1$ | 183122.1 | S |
| 120.058 | 0.0000 | 0.0000 | 82.772 | 0.03255 | 0.00000 | 319537.6 | 131464.0 | 183122.1 | S |
| 120.067 | 0.0000 | 0.0000 | 82.771 | 0.03255 | 0.00000 | 319537.6 | 131465.0 | 183122.1 | S |
| 120.075 | 0.0000 | 0.0000 | 82.771 | 0.03254 | 0.00000 | 319537.6 | 131466.0 | 183122.1 | S |
| 120.083 | 0.0000 | 0.0000 | 82.771 | 0.03254 | 0.00000 | 319537.6 | 131467.0 | 183122.1 | S |
| 120.092 | 0.0000 | 0.0000 | 82.771 | 0.03253 | 0.00000 | 319537.6 | 131467.9 | 183122.1 | S |
| 120.100 | 0.0000 | 0.0000 | 82.771 | 0.03253 | 0.00000 | 319537.6 | 131468.9 | 183122.1 | S |
| 120.108 | 0.0000 | 0.0000 | 82.771 | 0.03253 | 0.00000 | 319537.6 | 131469.9 | 183122.1 | S |
| 120.117 | 0.0000 | 0.0000 | 82.771 | 0.03252 | 0.00000 | 319537.6 | 131470.9 | 183122.1 | S |
| 120.125 | 0.0000 | 0.0000 | 82.770 | 0.03252 | 0.00000 | 319537.6 | 131471.8 | 183122.1 | S |
| 120.133 | 0.0000 | 0.0000 | 82.770 | 0.03251 | 0.00000 | 319537.6 | 131472.8 | 183122.1 | S |
| 120.142 | 0.0000 | 0.0000 | 82.770 | 0.03251 | 0.00000 | 319537.6 | $\uparrow 31473.8$ | 183122.1 | S |
| 120.150 | 0.0000 | 0.0000 | 82.770 | 0.03250 | 0.00000 | 319537.6 | 131474.8 | 183122.1 | S |
| 120.158 | 0.0000 | 0.0000 | 82.770 | 0.03250 | 0.00000 | 319537.6 | 131475.7 | 183122.1 | S |
| 120.167 | 0.0000 | 0.0000 | 82.770 | 0.03250 | 0.00000 | 319537.6 | 131476.7 | 183122.1 | S |
| 120.175 | 0.0000 | 0.0000 | 82.770 | 0.03249 | 0.00000 | 319537.6 | 131477.7 | 183122.1 | S |
| 120.183 | 0.0000 | 0.0000 | 82.769 | 0.03249 | 0.00000 | 319537.6 | 131478.7 | 183122.1 | S |
| 120.192 | 0.0000 | 0.0000 | 82.769 | 0.03248 | 0.00000 | 319537.6 | 131479.6 | 183122.1 | S |
| 120.200 | 0.0000 | 0.0000 | 82.769 | 0.03248 | 0.00000 | 319537.6 | 131480.6 | 183122.1 | S |
| 120.208 | 0.0000 | 0.0000 | 82.769 | 0.03248 | 0.00000 | 319537.6 | 131481.6 | 183122.1 | S |
| 120.217 | 0.0000 | 0.0000 | 82.769 | 0.03247 | 0.00000 | 319537.6 | 131482.6 | 183122.1 | S |
| 120.225 | 0.0000 | 0.0000 | 82.769 | 0.03247 | 0.00000 | 319537.6 | 131483.5 | 183122.1 | S |
| 120.233 | 0.0000 | 0.0000 | 82.769 | 0.03246 | 0.00000 | 319537.6 | 131484.5 | 183122.1 | S |
| 120.242 | 0.0000 | 0.0000 | 82.769 | 0.03246 | 0.00000 | 319537.6 | 131485.5 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge (ft ${ }^{3 /}$ ) | Cumulative Inflow Volume ( $\mathrm{rt}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | $\begin{aligned} & \text { Flow } \\ & \text { Type } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 120.250 | 0.0000 | 0.0000 | 82.768 | 0.03246 | 0.00000 | 319537.6 | 131486.5 | 183122.1 | S |
| 120.258 | 0.0000 | 0.0000 | 82.768 | 0.03245 | 0.00000 | 319537.6 | 131487.4 | 183122.1 | S |
| 120.267 | 0.0000 | 0.0000 | 82.768 | 0.03245 | 0.00000 | 319537.6 | 131488.4 | 183122.1 | S |
| 120.275 | 0.0000 | 0.0000 | 82.768 | 0.03244 | 0.00000 | 319537.6 | 131489.4 | 183122.4 | S |
| 120.283 | 0.0000 | 0.0000 | 82.768 | 0.03244 | 0.00000 | 319537.6 | 131490.4 | 183122.1 | S |
| 120.292 | 0.0000 | 0.0000 | 82.768 | 0.03243 | 0.00000 | 319537.6 | 131491.3 | 183122.1 | S |
| 120.300 | 0.0000 | 0.0000 | 82.768 | 0.03243 | 0.00000 | 319537.6 | 131492.3 | 183122.1 | S |
| 120.308 | 0.0000 | 0.0000 | 82.767 | 0.03243 | 0.00000 | 319537.6 | 131493.3 | 183122.1 | S |
| 120.317 | 0.0000 | 0.0000 | 82.767 | 0.03242 | 0.00000 | 319537.6 | 131494.3 | 183122.1 | S |
| 120.325 | 0.0000 | 0.0000 | 82.767 | 0.03242 | 0.00000 | 319537.6 | 131495.2 | 183122.1 | S |
| 120.333 | 0.0000 | 0.0000 | 82.767 | 0.03241 | 0.00000 | 319537.6 | 131496.2 | 183122.1 | S |
| 120.342 | 0.0000 | 0.0000 | 82.767 | 0.03241 | 0.00000 | 319537.6 | 131497.2 | 183122.1 | S |
| 120.350 | 0.0000 | 0.0000 | 82.767 | 0.03241 | 0.00000 | 319537.6 | 131498.1 | 183122.1 | S |
| 120.358 | 0.0000 | 0.0000 | 82.767 | 0.03240 | 0.00000 | 319537.6 | 131499.1 | 183122.1 | S |
| 120.367 | 0.0000 | 0.0000 | 82.766 | 0.03240 | 0.00000 | 319537.6 | 131500.1 | 183122.1 | S |
| 120.375 | 0.0000 | 0.0000 | 82.766 | 0.03239 | 0.00000 | 319537.6 | 131501.0 | 183122.1 | S |
| 120.383 | 0.0000 | 0.0000 | 82.766 | 0.03239 | 0.00000 | 319537.6 | 131502.0 | 183122.1 | S |
| 120.392 | 0.0000 | 0.0000 | 82.766 | 0.03239 | 0.00000 | 319537.6 | 131503.0 | 183122.1 | S |
| 120.400 | 0.0000 | 0.0000 | 82.766 | 0.03238 | 0.00000 | 319537.6 | 131504.0 | 183122.1 | S |
| 120.408 | 0.0000 | 0.0000 | 82.766 | 0.03238 | 0.00000 | 319537.6 | 131504.9 | 183122.1 | S |
| 120.417 | 0.0000 | 0.0000 | 82.766 | 0.03237 | 0.00000 | 319537.6 | 131505.9 | 183122.1 | S |
| 120.425 | 0.0000 | 0.0000 | 82.765 | 0.03237 | 0.00000 | 319537.6 | 131506.9 | 183122.1 | S |
| 120.433 | 0.0000 | 0.0000 | 82.765 | 0.03237 | 0.00000 | 319537.6 | 131507.8 | 183122.1 | S |
| 120.442 | 0.0000 | 0.0000 | 82.765 | 0.03236 | 0.00000 | 319537.6 | 131508.8 | 183122.1 | S |
| 120.450 | 0.0000 | 0.0000 | 82.765 | 0.03236 | 0.00000 | 319537.6 | 131509.8 | 183122.1 | S |
| 120.458 | 0.0000 | 0.0000 | 82.765 | 0.03235 | 0.00000 | 319537.6 | 131510.8 | 183122.1 | S |
| 120.467 | 0.0000 | 0.0000 | 82.765 | 0.03235 | 0.00000 | 319537.6 | 131511.7 | 183122.1 | S |
| 120.475 | 0.0000 | 0.0000 | 82.765 | 0.03234 | 0.00000 | 319537.6 | 131512.7 | 183122.1 | S |
| 120.483 | 0.0000 | 0.0000 | 82.765 | 0.03234 | 0.00000 | 319537.6 | 131513.7 | 183122.1 | S |
| 120.492 | 0.0000 | 0.0000 | 82.764 | 0.03234 | 0.00000 | 319537.6 | 131514.6 | 183122.1 | S |
| 120.500 | 0.0000 | 0.0000 | 82.764 | 0.03233 | 0.00000 | 319537.6 | 131515.6 | 183122.1 | S |
| 120.508 | 0.0000 | 0.0000 | 82.764 | 0.03233 | 0.00000 | 319537.6 | 131516.6 | 183122.1 | S |
| 120.517 | 0.0000 | 0.0000 | 82.764 | 0.03232 | 0.00000 | 319537.6 | 131517.5 | 183122.1 | S |
| 120.525 | 0.0000 | 0.0000 | 82.764 | 0.03232 | 0.00000 | 319537.6 | 131518.5 | 183122.1 | S |
| 120.533 | 0.0000 | 0.0000 | 82.764 | 0.03232 | 0.00000 | 319537.6 | 131519.5 | 183122.1 | S |
| 120.542 | 0.0000 | 0.0000 | 82.764 | 0.03231 | 0.00000 | 319537.6 | 131520.5 | 183122.1 | S |
| 120.550 | 0.0000 | 0.0000 | 82.763 | 0.03231 | 0.00000 | 319537.6 | 131521.4 | 183122.1 | S |
| 120.558 | 0.0000 | 0.0000 | 82.763 | 0.03230 | 0.00000 | 319537.6 | 131522.4 | 183122.1 | S |
| 120.567 | 0.0000 | 0.0000 | 82.763 | 0.03230 | 0.00000 | 319537.6 | 131523.4 | 183122.1 | S |
| 120.575 | 0.0000 | 0.0000 | 82.763 | 0.03230 | 0.00000 | 319537.6 | 131524.3 | 183122.1 | S |
| \$20.583 | 0.0000 | 0.0000 | 82.763 | 0.03229 | 0.00000 | 319537.6 | 131525.3 | 183122.1 | S |
| 120.592 | 0.0000 | 0.0000 | 82.763 | 0.03229 | 0.00000 | 319537.6 | 131526.3 | 183122.1 | S |
| 120.600 | 0.0000 | 0.0000 | 82.763 | 0.03228 | 0.00000 | 319537.6 | 131527.3 | 183122.1 | S |
| 120.608 | 0.0000 | 0.0000 | 82.762 | 0.03228 | 0.00000 | 319537.6 | 131528.2 | 183122.1 | S |
| 120.617 | 0.0000 | 0.0000 | 82.762 | 0.03228 | 0.00000 | 319537.6 | 131529.2 | 183122.1 | S |
| 120.625 | 0.0000 | 0.0000 | 82.762 | 0.03227 | 0.00000 | 319537.6 | 131530.1 | 183122.1 | S |
| 120.633 | 0.0000 | 0.0000 | 82.762 | 0.03227 | 0.00000 | 319537.6 | 131531.1 | 183122.1 | S |
| 120.642 | 0.0000 | 0.0000 | 82.762 | 0.03226 | 0.00000 | 319537.6 | 131532.1 | 183122.1 | S |
| 120.650 | 0.0000 | 0.0000 | 82.762 | 0.03226 | 0.00000 | 319537.6 | 131533.0 | 183122.1 | S |
| 120.658 | 0.0000 | 0.0000 | 82.762 | 0.03226 | 0.00000 | 319537.6 | 131534.0 | 183122.1 | S |
| 120.667 | 0.0000 | 0.0000 | 82.761 | 0.03225 | 0.00000 | 319537.6 | 131535.0 | 183122.1 | S |
| 120.675 | 0.0000 | 0.0000 | 82.761 | 0.03225 | 0.00000 | 319537.6 | 131536.0 | 183122.1 | S |
| 120.683 | 0.0000 | 0.0000 | 82.761 | 0.03224 | 0.00000 | 319537.6 | 131536.9 | 183122.1 | S |
| 120.692 | 0.0000 | 0.0000 | 82.761 | 0.03224 | 0.00000 | 319537.6 | 131537.9 | 183122.1 | S |
| 120.700 | 0.0000 | 0.0000 | 82.761 | 0.03224 | 0.00000 | 319537.6 | 131538.9 | 183122.1 | S |
| 120.708 | 0.0000 | 0.0000 | 82.761 | 0.03223 | 0.00000 | 319537.6 | 131539.8 | 183122.1 | S |
| 120.717 | 0.0000 | 0.0000 | 82.761 | 0.03223 | 0.00000 | 319537.6 | 131540.8 | 183122.1 | S |
| 120.725 | 0.0000 | 0.0000 | 82.761 | 0.03222 | 0.00000 | 319537.6 | 131541.8 | 183122.1 | S |
| 120.733 | 0.0000 | 0.0000 | 82.760 | 0.03222 | 0.00000 | 319537.6 | 131542.7 | 183122.1 | S |
| 120.742 | 0.0000 | 0.0000 | 82.760 | 0.03221 | 0.00000 | 319537.6 | 131543.7 | 183122.1 | S |
| 120.750 | 0.0000 | 0.0000 | 82.760 | 0.03221 | 0.00000 | 319537.6 | 131544.7 | 183122.1 | S |
| 120.758 | 0.0000 | 0.0000 | 82.760 | 0.03221 | 0.00000 | 319537.6 | 131545.6 | 183122.1 | S |
| 120.767 | 0.0000 | 0.0000 | 82.760 | 0.03220 | 0.00000 | 319537.6 | 131546.6 | 183122.1 | S |
| 120.775 | 0.0000 | 0.0000 | 82.760 | 0.03220 | 0.00000 | 319537.6 | 131547.6 | 183122.1 | S |
| 120.783 | 0.0000 | 0.0000 | 82.760 | 0.03219 | 0.00000 | 319537.6 | 131548.5 | 183122.1 | S |
| 120.792 | 0.0000 | 0.0000 | 82.759 | 0.03219 | 0.00000 | 319537.6 | 131549.5 | 183122.1 | S |
| 120.800 | 0.0000 | 0.0000 | 82.759 | 0.03219 | 0.00000 | 319537.6 | 131550.5 | 183122.1 | S |
| 120.808 | 0.0000 | 0.0000 | 82.759 | 0.03218 | 0.00000 | 319537.6 | 131551.4 | 183122.1 | S |
| 120.817 | 0.0000 | 0.0000 | 82.759 | 0.03218 | 0.00000 | 319537.6 | 131552.4 | 183122.1 | S |
| 120.825 | 0.0000 | 0.0000 | 82.759 | 0.03217 | 0.00000 | 319537.6 | 131553.3 | 183122.1 | S |
| 120.833 | 0.0000 | 0.0000 | 82.759 | 0.03217 | 0.00000 | 319537.6 | 131554.3 | 183122.1 | S |
| 120.842 | 0.0000 | 0.0000 | 82.759 | 0.03217 | 0.00000 | 319537.6 | 131555.3 | 183122.1 | S |
| 120.850 | 0.0000 | 0.0000 | 82.758 | 0.03216 | 0.00000 | 319537.6 | 131556.3 | 183122.1 | S |
| 120.858 | 0.0000 | 0.0000 | 82.758 | 0.03216 | 0.00000 | 319537.6 | 131557.2 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (fl/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 120.867 | 0.0000 | 0.0000 | 82.758 | 0.03215 | 0.00000 | 319537.6 | 131558.2 | 183122.1 | S |
| 120.875 | 0.0000 | 0.0000 | 82.758 | 0.03215 | 0.00000 | 319537.6 | 131559.1 | 183122.1 | S |
| 120.883 | 0.0000 | 0.0000 | 82.758 | 0.03215 | 0.00000 | 319537.6 | 131560.1 | 183122.1 | S |
| 120.892 | 0.0000 | 0.0000 | 82.758 | 0.03214 | 0.00000 | 319537.6 | 131561.1 | 183122.1 | S |
| $\$ 20.900$ | 0.0000 | 0.0000 | 82.758 | 0.03214 | 0.00000 | 319537.6 | 131562.0 | \$83122.1 | S |
| 120.908 | 0.0000 | 0.0000 | 82.758 | 0.03213 | 0.00000 | 319537.6 | 131563.0 | 183122.1 | S |
| 120.917 | 0.0000 | 0.0000 | 82.757 | 0.03213 | 0.00000 | 319537.6 | 131564.0 | 183122.1 | S |
| 120.925 | 0.0000 | 0.0000 | 82.757 | 0.03213 | 0.00000 | 319537.6 | 131564.9 | 183122.1 | S |
| 120.933 | 0.0000 | 0.0000 | 82.757 | 0.03212 | 0.00000 | 319537.6 | 131565.9 | 183122.7 | S |
| $\uparrow 20.942$ | 0.0000 | 0.0000 | 82.757 | 0.03212 | 0.00000 | 319537.6 | 131566.8 | 183122.1 | S |
| 120.950 | 0.0000 | 0.0000 | 82.757 | 0.03211 | 0.00000 | 319537.6 | \$31567.8 | 183122.1 | S |
| 120.958 | 0.0000 | 0.0000 | 82.757 | 0.03211 | 0.00000 | 319537.6 | 131568.8 | 183122.1 | S |
| 120.967 | 0.0000 | 0.0000 | 82.757 | 0.03211 | 0.00000 | 319537.6 | 137569.7 | 183122.1 | S |
| 120.975 | 0.0000 | 0.0000 | 82.756 | 0.03210 | 0.00000 | 319537.6 | 131570.7 | 183122.1 | S |
| 120.983 | 0.0000 | 0.0000 | 82.756 | 0.03210 | 0.00000 | 319537.6 | 131571.7 | 183122.1 | S |
| 120.992 | 0.0000 | 0.0000 | 82.756 | 0.03209 | 0.00000 | 319537.6 | 131572.6 | 183122.1 | S |
| 121.000 | 0.0000 | 0.0000 | 82.756 | 0.03209 | 0.00000 | 319537.6 | 131573.6 | 183122.1 | S |
| 121.008 | 0.0000 | 0.0000 | 82.756 | 0.03209 | 0.00000 | 319537.6 | 131574.6 | 183122.1 | S |
| 121.017 | 0.0000 | 0.0000 | 82.756 | 0.03208 | 0.00000 | 319537.6 | 131575.5 | 183122.1 | S |
| 121.025 | 0.0000 | 0.0000 | 82.756 | 0.03208 | 0.00000 | 319537.6 | 131576.5 | 183122.1 | S |
| 121.033 | 0.0000 | 0.0000 | 82.755 | 0.03207 | 0.00000 | 319537.6 | 131577.4 | 183122.1 | S |
| 121.042 | 0.0000 | 0.0000 | 82.755 | 0.03207 | 0.00000 | 319537.6 | 131578.4 | 183122.1 | S |
| 121.050 | 0.0000 | 0.0000 | 82.755 | 0.03207 | 0.00000 | 319537.6 | 131579.4 | 183122.1 | S |
| 121.058 | 0.0000 | 0.0000 | 82.755 | 0.03206 | 0.00000 | 319537.6 | 131580.3 | 183122.1 | S |
| 121.067 | 0.0000 | 0.0000 | 82.755 | 0.03206 | 0.00000 | 319537.6 | 131581.3 | 183122.1 | S |
| 121.075 | 0.0000 | 0.0000 | 82.755 | 0.03205 | 0.00000 | 319537.6 | 131582.3 | 183122.1 | S |
| 121.083 | 0.0000 | 0.0000 | 82.755 | 0.03205 | 0.00000 | 319537.6 | 131583.2 | 183122.1 | S |
| 121.092 | 0.0000 | 0.0000 | 82.755 | 0.03205 | 0.00000 | 319537.6 | 131584.2 | 183122.1 | S |
| 121.100 | 0.0000 | 0.0000 | 82.754 | 0.03204 | 0.00000 | 319537.6 | 131585.1 | 183122.1 | S |
| 121.108 | 0.0000 | 0.0000 | 82.754 | 0.03204 | 0.00000 | 319537.6 | 131586.1 | 183122.1 | S |
| 121.117 | 0.0000 | 0.0000 | 82.754 | 0.03203 | 0.00000 | 319537.6 | 131587.1 | 183122.1 | S |
| 121.125 | 0.0000 | 0.0000 | 82.754 | 0.03203 | 0.00000 | 319537.6 | 131588.0 | 183122.1 | S |
| 121.133 | 0.0000 | 0.0000 | 82.754 | 0.03203 | 0.00000 | 319537.6 | 131589.0 | 183122.1 | S |
| 121.142 | 0.0000 | 0.0000 | 82.754 | 0.03202 | 0.00000 | 319537.6 | 131589.9 | 183122.1 | S |
| 121.150 | 0.0000 | 0.0000 | 82.754 | 0.03202 | 0.00000 | 319537.6 | 131590.9 | 183122.1 | S |
| 121.158 | 0.0000 | 0.0000 | 82.753 | 0.03201 | 0.00000 | 319537.6 | 131591.9 | 183122.1 | S |
| 121.167 | 0.0000 | 0.0000 | 82.753 | 0.03201 | 0.00000 | 319537.6 | 131592.8 | 183122.1 | S |
| 121.175 | 0.0000 | 0.0000 | 82.753 | 0.03201 | 0.00000 | 319537.6 | 131593.8 | 183122.1 | S |
| 121.183 | 0.0000 | 0.0000 | 82.753 | 0.03200 | 0.00000 | 319537.6 | 131594.7 | 183122.1 | S |
| 121.192 | 0.0000 | 0.0000 | 82.753 | 0.03200 | 0.00000 | 319537.6 | 131595.7 | 183122.1 | S |
| 121.200 | 0.0000 | 0.0000 | 82.753 | 0.03199 | 0.00000 | 319537.6 | 131596.7 | 183122.1 | S |
| 121.208 | 0.0000 | 0.0000 | 82.753 | 0.03199 | 0.00000 | 319537.6 | 131597.6 | 183122.1 | S |
| 121.217 | 0.0000 | 0.0000 | 82.752 | 0.03199 | 0.00000 | 319537.6 | 131598.6 | 183122.1 | S |
| 121.225 | 0.0000 | 0.0000 | 82.752 | 0.03198 | 0.00000 | 319537.6 | 131599.5 | 183122.1 | S |
| 121.233 | 0.0000 | 0.0000 | 82.752 | 0.03198 | 0.00000 | 319537.6 | 131600.5 | 183122.1 | S |
| 121.242 | 0.0000 | 0.0000 | 82.752 | 0.03197 | 0.00000 | 319537.6 | 131601.5 | 183122.1 | S |
| 121.250 | 0.0000 | 0.0000 | 82.752 | 0.03197 | 0.00000 | 319537.6 | 131602.4 | 183122.1 | S |
| 121.258 | 0.0000 | 0.0000 | 82.752 | 0.03197 | 0.00000 | 319537.6 | 131603.4 | 183122.1 | S |
| 121.267 | 0.0000 | 0.0000 | 82.752 | 0.03196 | 0.00000 | 319537.6 | 131604.3 | 183122.1 | S |
| 121.275 | 0.0000 | 0.0000 | 82.752 | 0.03196 | 0.00000 | 319537.6 | 131605.3 | 183122.1 | S |
| 121.283 | 0.0000 | 0.0000 | 82.751 | 0.03195 | 0.00000 | 319537.6 | 131606.3 | 183122.1 | S |
| 121.292 | 0.0000 | 0.0000 | 82.751 | 0.03195 | 0.00000 | 319537.6 | 131607.2 | 183122.1 | S |
| \$21.300 | 0.0000 | 0.0000 | 82.751 | 0.03195 | 0.00000 | 319537.6 | 131608.2 | 183122.1 | S |
| 121.308 | 0.0000 | 0.0000 | 82.751 | 0.03194 | 0.00000 | 319537.6 | 131609.1 | 183122.1 | S |
| 121.317 | 0.0000 | 0.0000 | 82.751 | 0.03194 | 0.00000 | 319537.6 | 131610.1 | 183122.1 | S |
| 121.325 | 0.0000 | 0.0000 | 82.751 | 0.03193 | 0.00000 | 319537.6 | 131611.0 | 183122.1 | S |
| \$21.333 | 0.0000 | 0.0000 | 82.751 | 0.03193 | 0.00000 | 319537.6 | 131612.0 | 183122.1 | S |
| 121.342 | 0.0000 | 0.0000 | 82.750 | 0.03193 | 0.00000 | 319537.6 | 131613.0 | 183122.1 | S |
| 121.350 | 0.0000 | 0.0000 | 82.750 | 0.03192 | 0.00000 | 319537.6 | 131613.9 | 183122.1 | S |
| 121.358 | 0.0000 | 0.0000 | 82.750 | 0.03192 | 0.00000 | 319537.6 | 131614.9 | 183122.1 | S |
| 121.367 | 0.0000 | 0.0000 | 82.750 | 0.03191 | 0.00000 | 319537.6 | \$31615.8 | 183122.1 | S |
| 121.375 | 0.0000 | 0.0000 | 82.750 | 0.03191 | 0.00000 | 319537.6 | 131616.8 | 183122.1 | S |
| 121.383 | 0.0000 | 0.0000 | 82.750 | 0.03191 | 0.00000 | 319537.6 | 131617.8 | 183122.1 | S |
| 121.392 | 0.0000 | 0.0000 | 82.750 | 0.03190 | 0.00000 | 319537.6 | 131618.7 | 183122.1 | S |
| 121.400 | 0.0000 | 0.0000 | 82.749 | 0.03190 | 0.00000 | 319537.6 | 131619.7 | 183122.1 | S |
| 121.408 | 0.0000 | 0.0000 | 82.749 | 0.03189 | 0.00000 | 319537.6 | 131620.6 | 183122.1 | S |
| 121.417 | 0.0000 | 0.0000 | 82.749 | 0.03189 | 0.00000 | 319537.6 | 131621.6 | 183122.1 | S |
| 121.425 | 0.0000 | 0.0000 | 82.749 | 0.03189 | 0.00000 | 319537.6 | 131622.5 | 183122.1 | S |
| 121.433 | 0.0000 | 0.0000 | 82.749 | 0.03188 | 0.00000 | 319537.6 | 131623.5 | 183122.1 | S |
| 121.442 | 0.0000 | 0.0000 | 82.749 | 0.03188 | 0.00000 | 319537.6 | 131624.5 | 183122.1 | S |
| 121.450 | 0.0000 | 0.0000 | 82.749 | 0.03187 | 0.00000 | 319537.6 | 131625.4 | 183122.1 | S |
| 121.458 | 0.0000 | 0.0000 | 82.749 | 0.03187 | 0.00000 | 319537.6 | 131626.4 | 183122.1 | S |
| 121.467 | 0.0000 | 0.0000 | 82.748 | 0.03187 | 0.00000 | 319537.6 | 131627.3 | 183122.1 | S |
| 121.475 | 0.0000 | 0.0000 | 82.748 | 0.03186 | 0.00000 | 319537.6 | 131628.3 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate (ft $3 / \mathrm{s}$ ) | Outside Recharge (fl/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 121.483 | 0.0000 | 0.0000 | 82.748 | 0.03186 | 0.00000 | 319537.6 | 131629.2 | 183122.1 | S |
| 121.492 | 0.0000 | 0.0000 | 82.748 | 0.03185 | 0.00000 | 319537.6 | 131630.2 | 183122.1 | S |
| 121.500 | 0.0000 | 0.0000 | 82.748 | 0.03185 | 0.00000 | 319537.6 | 131631.1 | 183122.1 | S |
| 121.508 | 0.0000 | 0.0000 | 82.748 | 0.03185 | 0.00000 | 319537.6 | 131632.1 | 183122.1 | S |
| 121.517 | 0.0000 | 0.0000 | 82.748 | 0.03184 | 0.00000 | 319537.6 | 131633.0 | 183122.1 | S |
| 121.525 | 0.0000 | 0.0000 | 82.747 | 0.03184 | 0.00000 | 319537.6 | 131634.0 | 183122.1 | S |
| 121.533 | 0.0000 | 0.0000 | 82.747 | 0.03183 | 0.00000 | 319537.6 | 131635.0 | 183122.1 | S |
| 121.542 | 0.0000 | 0.0000 | 82.747 | 0.03183 | 0.00000 | 319537.6 | 131635.9 | 183122.1 | S |
| 121.550 | 0.0000 | 0.0000 | 82.747 | 0.03183 | 0.00000 | 319537.6 | 131636.9 | 183122.1 | S |
| 121.558 | 0.0000 | 0.0000 | 82.747 | 0.03182 | 0.00000 | 319537.6 | 131637.8 | 183122.1 | S |
| 121.567 | 0.0000 | 0.0000 | 82.747 | 0.03182 | 0.00000 | 319537.6 | 131638.8 | 183122.1 | S |
| 121.575 | 0.0000 | 0.0000 | 82.747 | 0.03181 | 0.00000 | 319537.6 | 131639.7 | 183122.1 | S |
| 121.583 | 0.0000 | 0.0000 | 82.746 | 0.03181 | 0.00000 | 319537.6 | 131640.7 | 183122.1 | S |
| 121.592 | 0.0000 | 0.0000 | 82.746 | 0.03181 | 0.00000 | 319537.6 | 131641.6 | 183122.1 | S |
| 121.600 | 0.0000 | 0.0000 | 82.746 | 0.03180 | 0.00000 | 319537.6 | 131642.6 | 183122.1 | S |
| 121.608 | 0.0000 | 0.0000 | 82.746 | 0.03180 | 0.00000 | 319537.6 | 131643.5 | 183122.1 | S |
| 121.617 | 0.0000 | 0.0000 | 82.746 | 0.03179 | 0.00000 | 319537.6 | 131644.5 | 183122.1 | S |
| 121.625 | 0.0000 | 0.0000 | 82.746 | 0.03179 | 0.00000 | 319537.6 | 131645.5 | 183122.1 | S |
| 121.633 | 0.0000 | 0.0000 | 82.746 | 0.03179 | 0.00000 | 319537.6 | 131646.4 | 183122.1 | S |
| 121.642 | 0.0000 | 0.0000 | 82.746 | 0.03178 | 0.00000 | 319537.6 | 131647.4 | 183122.1 | S |
| 121.650 | 0.0000 | 0.0000 | 82.745 | 0.03178 | 0.00000 | 319537.6 | 131648.3 | 183122.1 | S |
| 121.658 | 0.0000 | 0.0000 | 82.745 | 0.03177 | 0.00000 | 319537.6 | 131649.3 | 183122.1 | S |
| 121.667 | 0.0000 | 0.0000 | 82.745 | 0.03177 | 0.00000 | 319537.6 | 131650.2 | 183122.1 | S |
| 121.675 | 0.0000 | 0.0000 | 82.745 | 0.03177 | 0.00000 | 319537.6 | 131651.2 | 183122.1 | S |
| 121.683 | 0.0000 | 0.0000 | 82.745 | 0.03176 | 0.00000 | 319537.6 | 131652.1 | 183122.1 | S |
| 121.692 | 0.0000 | 0.0000 | 82.745 | 0.03176 | 0.00000 | 319537.6 | 131653.7 | 183122.1 | S |
| 121.700 | 0.0000 | 0.0000 | 82.745 | 0.03175 | 0.00000 | 319537.6 | 131654.0 | 183122.1 | S |
| 121.708 | 0.0000 | 0.0000 | 82.744 | 0.03175 | 0.00000 | 319537.6 | 131655.0 | 183122.1 | S |
| 121.717 | 0.0000 | 0.0000 | 82.744 | 0.03175 | 0.00000 | 319537.6 | 131655.9 | 183122.1 | S |
| 121.725 | 0.0000 | 0.0000 | 82.744 | 0.03174 | 0.00000 | 319537.6 | 131656.9 | 183122.1 | S |
| 121.733 | 0.0000 | 0.0000 | 82.744 | 0.03174 | 0.00000 | 319537.6 | 131657.8 | 183122.1 | S |
| 121.742 | 0.0000 | 0.0000 | 82.744 | 0.03173 | 0.00000 | 319537.6 | 131658.8 | 183122.1 | S |
| 121.750 | 0.0000 | 0.0000 | 82.744 | 0.03173 | 0.00000 | 319537.6 | 131659.8 | 183122.1 | S |
| 121.758 | 0.0000 | 0.0000 | 82.744 | 0.03173 | 0.00000 | 319537.6 | 131660.7 | 183122.1 | S |
| 121.767 | 0.0000 | 0.0000 | 82.744 | 0.03172 | 0.00000 | 319537.6 | 131661.7 | 183122.1 | S |
| 121.775 | 0.0000 | 0.0000 | 82.743 | 0.03172 | 0.00000 | 319537.6 | 131662.6 | 183122.1 | S |
| 121.783 | 0.0000 | 0.0000 | 82.743 | 0.03171 | 0.00000 | 319537.6 | 131663.5 | 183122.1 | S |
| 121.792 | 0.0000 | 0.0000 | 82.743 | 0.03171 | 0.00000 | 319537.6 | 131664.5 | 183122.1 | S |
| 121.800 | 0.0000 | 0.0000 | 82.743 | 0.03171 | 0.00000 | 319537.6 | 131665.5 | 183122.1 | S |
| 121.808 | 0.0000 | 0.0000 | 82.743 | 0.03170 | 0.00000 | 319537.6 | 131666.4 | 183122.1 | S |
| 121.817 | 0.0000 | 0.0000 | 82.743 | 0.03170 | 0.00000 | 319537.6 | 131667.4 | 183122.1 | S |
| \$21.825 | 0.0000 | 0.0000 | 82.743 | 0.03169 | 0.00000 | 319537.6 | 131668.3 | 183122.1 | S |
| 121.833 | 0.0000 | 0.0000 | 82.742 | 0.03169 | 0.00000 | 319537.6 | 131669.3 | 183122.1 | S |
| 121.842 | 0.0000 | 0.0000 | 82.742 | 0.03169 | 0.00000 | 319537.6 | 131670.2 | 183122.1 | S |
| 121.850 | 0.0000 | 0.0000 | 82.742 | 0.03168 | 0.00000 | 319537.6 | 131671.2 | 183122.1 | S |
| 121.858 | 0.0000 | 0.0000 | 82.742 | 0.03168 | 0.00000 | 319537.6 | 131672.1 | 183122.1 | S |
| \$21.867 | 0.0000 | 0.0000 | 82.742 | 0.03167 | 0.00000 | 319537.6 | 131673.1 | 183122.1 | S |
| 121.875 | 0.0000 | 0.0000 | 82.742 | 0.03167 | 0.00000 | 319537.6 | 131674.0 | 183122.1 | S |
| 121.883 | 0.0000 | 0.0000 | 82.742 | 0.03167 | 0.00000 | 319537.6 | 131675.0 | 183122.1 | S |
| 121.892 | 0.0000 | 0.0000 | 82.741 | 0.03 亿66 | 0.00000 | 319537.6 | 131675.9 | 183122.1 | S |
| 121.900 | 0.0000 | 0.0000 | 82.741 | 0.03166 | 0.00000 | 319537.6 | 131676.9 | 183122.1 | S |
| 121.908 | 0.0000 | 0.0000 | 82.741 | 0.03165 | 0.00000 | 319537.6 | 131677.8 | 183122.1 | S |
| 121.917 | 0.0000 | 0.0000 | 82.741 | 0.03165 | 0.00000 | 319537.6 | 131678.8 | 183122.1 | S |
| 121.925 | 0.0000 | 0.0000 | 82.741 | 0.03165 | 0.00000 | 319537.6 | 131679.7 | 183122.1 | S |
| 121.933 | 0.0000 | 0.0000 | 82.741 | 0.03164 | 0.00000 | 319537.6 | 131680.7 | 183122.1 | S |
| 121.942 | 0.0000 | 0.0000 | 82.741 | 0.03164 | 0.00000 | 319537.6 | 131681.6 | 183122.1 | S |
| 121.950 | 0.0000 | 0.0000 | 82.741 | 0.03164 | 0.00000 | 319537.6 | 131682.6 | 183122.1 | S |
| 121.958 | 0.0000 | 0.0000 | 82.740 | 0.03163 | 0.00000 | 319537.6 | 131683.5 | 183122.1 | S |
| 121.967 | 0.0000 | 0.0000 | 82.740 | 0.03163 | 0.00000 | 319537.6 | 131684.5 | 183122.1 | S |
| 121.975 | 0.0000 | 0.0000 | 82.740 | 0.03162 | 0.00000 | 319537.6 | 131685.4 | 183122.1 | S |
| 121.983 | 0.0000 | 0.0000 | 82.740 | 0.03162 | 0.00000 | 319537.6 | 131686.4 | 183122.1 | S |
| 121.992 | 0.0000 | 0.0000 | 82.740 | 0.03162 | 0.00000 | 319537.6 | 131687.3 | 183122.1 | S |
| 122.000 | 0.0000 | 0.0000 | 82.740 | 0.03161 | 0.00000 | 319537.6 | 131688.3 | 183122.1 | S |
| 122.008 | 0.0000 | 0.0000 | 82.740 | 0.03161 | 0.00000 | 319537.6 | 131689.2 | 183122.1 | S |
| 122.017 | 0.0000 | 0.0000 | 82.739 | 0.03160 | 0.00000 | 319537.6 | 131690.1 | 183122.1 | S |
| 122.025 | 0.0000 | 0.0000 | 82.739 | 0.03160 | 0.00000 | 319537.6 | 131691.1 | 183122.1 | S |
| 122.033 | 0.0000 | 0.0000 | 82.739 | 0.03160 | 0.00000 | 319537.6 | 131692.0 | 183122.1 | S |
| 122.042 | 0.0000 | 0.0000 | 82.739 | 0.03159 | 0.00000 | 319537.6 | 131693.0 | 183122.1 | S |
| 122.050 | 0.0000 | 0.0000 | 82.739 | 0.03159 | 0.00000 | 319537.6 | 131693.9 | 183122.1 | S |
| 122.058 | 0.0000 | 0.0000 | 82.739 | 0.03158 | 0.00000 | 319537.6 | 131694.9 | 183122.1 | S |
| 122.067 | 0.0000 | 0.0000 | 82.739 | 0.03158 | 0.00000 | 319537.6 | 131695.8 | 183122.1 | S |
| 122.075 | 0.0000 | 0.0000 | 82.738 | 0.03158 | 0.00000 | 319537.6 | 131696.8 | 183122.1 | S |
| 122.083 | 0.0000 | 0.0000 | 82.738 | 0.03157 | 0.00000 | 319537.6 | 131697.7 | 183122.1 | S |
| 122.092 | 0.0000 | 0.0000 | 82.738 | 0.03157 | 0.00000 | 319537.6 | 131698.7 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (f/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f} 4 / \mathrm{s}$ ) | Overilow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 122.100 | 0.0000 | 0.0000 | 82.738 | 0.03156 | 0.00000 | 319537.6 | 131699.6 | 183122.1 | S |
| 122.108 | 0.0000 | 0.0000 | 82.738 | 0.03156 | 0.00000 | 319537.6 | 131700.6 | 183122.1 | S |
| 122.117 | 0.0000 | 0.0000 | 82.738 | 0.03156 | 0.00000 | 319537.6 | 131701.5 | 183122.1 | S |
| 122.125 | 0.0000 | 0.0000 | 82.738 | 0.03155 | 0.00000 | 319537.6 | 131702.5 | 183122.1 | S |
| 122.133 | 0.0000 | 0.0000 | 82.738 | 0.03155 | 0.00000 | 319537.6 | 131703.4 | 183122.1 | S |
| 122.142 | 0.0000 | 0.0000 | 82.737 | 0.03154 | 0.00000 | 319537.6 | 131704.4 | 183122.1 | S |
| 122.150 | 0.0000 | 0.0000 | 82.737 | 0.03154 | 0.00000 | 319537.6 | 131705.3 | 183122.1 | S |
| 122.158 | 0.0000 | 0.0000 | 82.737 | 0.03154 | 0.00000 | 319537.6 | 131706.3 | 183122.1 | S |
| 122.167 | 0.0000 | 0.0000 | 82.737 | 0.03153 | 0.00000 | 319537.6 | 131707.2 | 183122.1 | S |
| 122.175 | 0.0000 | 0.0000 | 82.737 | 0.03153 | 0.00000 | 319537.6 | 131708.1 | 183122.1 | S |
| 122.183 | 0.0000 | 0.0000 | 82.737 | 0.03153 | 0.00000 | 319537.6 | 131709.1 | 183122.1 | S |
| 122.192 | 0.0000 | 0.0000 | 82.737 | 0.03152 | 0.00000 | 319537.6 | 131710.0 | 183122.1 | S |
| 122.200 | 0.0000 | 0.0000 | 82.736 | 0.03152 | 0.00000 | 319537.6 | 131711.0 | 183122.1 | S |
| 122.208 | 0.0000 | 0.0000 | 82.736 | 0.03151 | 0.00000 | 319537.6 | 131711.9 | 183122.1 | S |
| 122.217 | 0.0000 | 0.0000 | 82.736 | 0.03151 | 0.00000 | 319537.6 | 131712.9 | 183122.1 | S |
| 122.225 | 0.0000 | 0.0000 | 82.736 | 0.03151 | 0.00000 | 319537.6 | 131713.8 | 183122.1 | S |
| 122.233 | 0.0000 | 0.0000 | 82.736 | 0.03150 | 0.00000 | 319537.6 | 131714.8 | 183122.1 | S |
| 122.242 | 0.0000 | 0.0000 | 82.736 | 0.03150 | 0.00000 | 319537.6 | 131715.7 | 183122.1 | S |
| 122.250 | 0.0000 | 0.0000 | 82.736 | 0.03149 | 0.00000 | 319537.6 | 131716.6 | 183122.1 | S |
| 122.258 | 0.0000 | 0.0000 | 82.736 | 0.03149 | 0.00000 | 319537.6 | 131717.6 | 183122.1 | S |
| 122.267 | 0.0000 | 0.0000 | 82.735 | 0.03149 | 0.00000 | 319537.6 | 131718.5 | 183122.1 | S |
| 122.275 | 0.0000 | 0.0000 | 82.735 | 0.03148 | 0.00000 | 319537.6 | 131719.5 | 183122.1 | S |
| 122.283 | 0.0000 | 0.0000 | 82.735 | 0.03148 | 0.00000 | 319537.6 | 131720.4 | 183122.1 | S |
| 122.292 | 0.0000 | 0.0000 | 82.735 | 0.03147 | 0.00000 | 319537.6 | 131721.4 | $\uparrow 83122.1$ | S |
| 122.300 | 0.0000 | 0.0000 | 82.735 | 0.03147 | 0.00000 | 319537.6 | 131722.3 | 183122.1 | S |
| 122.308 | 0.0000 | 0.0000 | 82.735 | 0.03147 | 0.00000 | 319537.6 | 131723.3 | 183122.1 | S |
| \$22.317 | 0.0000 | 0.0000 | 82.735 | 0.03146 | 0.00000 | 319537.6 | 131724.2 | 183122.1 | S |
| 122.325 | 0.0000 | 0.0000 | 82.734 | 0.03146 | 0.00000 | 319537.6 | 131725.1 | 183122.1 | S |
| \$22.333 | 0.0000 | 0.0000 | 82.734 | 0.03145 | 0.00000 | 319537.6 | 131726.1 | 183122.1 | S |
| 122.342 | 0.0000 | 0.0000 | 82.734 | 0.03145 | 0.00000 | 319537.6 | 131727.0 | 183122.1 | S |
| 122.350 | 0.0000 | 0.0000 | 82.734 | 0.03145 | 0.00000 | 319537.6 | 131728.0 | 183122.1 | S |
| 122.358 | 0.0000 | 0.0000 | 82.734 | 0.03144 | 0.00000 | 319537.6 | 131728.9 | 183122.1 | S |
| 122.367 | 0.0000 | 0.0000 | 82.734 | 0.03144 | 0.00000 | 319537.6 | 131729.9 | 183122.1 | S |
| 122.375 | 0.0000 | 0.0000 | 82.734 | 0.03144 | 0.00000 | 319537.6 | 131730.8 | 183122.1 | S |
| 122.383 | 0.0000 | 0.0000 | 82.734 | 0.03143 | 0.00000 | 319537.6 | 131731.8 | 183122.1 | S |
| 122.392 | 0.0000 | 0.0000 | 82.733 | 0.03143 | 0.00000 | 319537.6 | 131732.7 | 183122.1 | S |
| 122.400 | 0.0000 | 0.0000 | 82.733 | 0.03142 | 0.00000 | 319537.6 | 131733.6 | 183122.1 | S |
| 122.408 | 0.0000 | 0.0000 | 82.733 | 0.03142 | 0.00000 | 319537.6 | 131734.6 | 183122.1 | S |
| 122.417 | 0.0000 | 0.0000 | 82.733 | 0.03142 | 0.00000 | 319537.6 | 131735.5 | 183122.1 | S |
| 122.425 | 0.0000 | 0.0000 | 82.733 | 0.03141 | 0.00000 | 319537.6 | 131736.5 | 183122.1 | S |
| 122.433 | 0.0000 | 0.0000 | 82.733 | 0.03141 | 0.00000 | 319537.6 | 131737.4 | 183122.1 | S |
| 122.442 | 0.0000 | 0.0000 | 82.733 | 0.03140 | 0.00000 | 319537.6 | 131738.3 | 183122.1 | S |
| 122.450 | 0.0000 | 0.0000 | 82.732 | 0.03140 | 0.00000 | 319537.6 | 131739.3 | 183122.1 | S |
| 122.458 | 0.0000 | 0.0000 | 82.732 | 0.03140 | 0.00000 | 319537.6 | 131740.2 | 183122.1 | S |
| 122.467 | 0.0000 | 0.0000 | 82.732 | 0.03139 | 0.00000 | 319537.6 | 131741.2 | 183122.1 | S |
| 122.475 | 0.0000 | 0.0000 | 82.732 | 0.03139 | 0.00000 | 319537.6 | 131742.1 | 183122.1 | S |
| 122.483 | 0.0000 | 0.0000 | 82.732 | 0.03138 | 0.00000 | 319537.6 | 131743.1 | 183122.1 | S |
| 122.492 | 0.0000 | 0.0000 | 82.732 | 0.03138 | 0.00000 | 319537.6 | 131744.0 | 183122.1 | S |
| 122.500 | 0.0000 | 0.0000 | 82.732 | 0.03138 | 0.00000 | 319537.6 | 131744.9 | 183122.1 | S |
| 122.508 | 0.0000 | 0.0000 | 82.731 | 0.03137 | 0.00000 | 319537.6 | 131745.9 | 183122.1 | S |
| 122.517 | 0.0000 | 0.0000 | 82.731 | 0.03137 | 0.00000 | 319537.6 | 131746.8 | 183122.1 | S |
| 122.525 | 0.0000 | 0.0000 | 82.731 | 0.03136 | 0.00000 | 319537.6 | 131747.8 | 183122.1 | S |
| 122.533 | 0.0000 | 0.0000 | 82.731 | 0.03136 | 0.00000 | 319537.6 | 131748.7 | 183122.1 | S |
| 122.542 | 0.0000 | 0.0000 | 82.731 | 0.03136 | 0.00000 | 319537.6 | 131749.6 | 183122.1 | S |
| 122.550 | 0.0000 | 0.0000 | 82.731 | 0.03135 | 0.00000 | 319537.6 | 131750.6 | 183122.1 | S |
| 122.558 | 0.0000 | 0.0000 | 82.731 | 0.03135 | 0.00000 | 319537.6 | 131751.5 | 183122.1 | S |
| 122.567 | 0.0000 | 0.0000 | 82.731 | 0.03135 | 0.00000 | 319537.6 | 131752.5 | 183122.1 | S |
| 122.575 | 0.0000 | 0.0000 | 82.730 | 0.03134 | 0.00000 | 319537.6 | 131753.4 | 183122.1 | S |
| 122.583 | 0.0000 | 0.0000 | 82.730 | 0.03134 | 0.00000 | 319537.6 | 131754.3 | 183122.1 | S |
| 122.592 | 0.0000 | 0.0000 | 82.730 | 0.03133 | 0.00000 | 319537.6 | 131755.3 | 183122.1 | S |
| 122.600 | 0.0000 | 0.0000 | 82.730 | 0.03133 | 0.00000 | 319537.6 | 131756.2 | 183122.1 | S |
| 122.608 | 0.0000 | 0.0000 | 82.730 | 0.03133 | 0.00000 | 319537.6 | 131757.2 | 183122.1 | S |
| 122.617 | 0.0000 | 0.0000 | 82.730 | 0.03132 | 0.00000 | 319537.6 | 131758.1 | 183122.1 | S |
| 122.625 | 0.0000 | 0.0000 | 82.730 | 0.03132 | 0.00000 | 319537.6 | 131759.0 | 183122.1 | S |
| 122.633 | 0.0000 | 0.0000 | 82.729 | 0.03131 | 0.00000 | 319537.6 | 131760.0 | 183122.1 | S |
| 122.642 | 0.0000 | 0.0000 | 82.729 | 0.03131 | 0.00000 | 319537.6 | 131760.9 | 183122.1 | S |
| 122.650 | 0.0000 | 0.0000 | 82.729 | 0.03131 | 0.00000 | 319537.6 | $\uparrow 31761.9$ | 183122.1 | S |
| 122.658 | 0.0000 | 0.0000 | 82.729 | 0.03130 | 0.00000 | 319537.6 | 131762.8 | 183122.1 | S |
| 122.667 | 0.0000 | 0.0000 | 82.729 | 0.03130 | 0.00000 | 319537.6 | 131763.8 | 183122.1 | S |
| 122.675 | 0.0000 | 0.0000 | 82.729 | 0.03129 | 0.00000 | 319537.6 | 131764.7 | 183122.1 | S |
| 122.683 | 0.0000 | 0.0000 | 82.729 | 0.03129 | 0.00000 | 319537.6 | 131765.6 | 183122.1 | S |
| 122.692 | 0.0000 | 0.0000 | 82.729 | 0.03129 | 0.00000 | 319537.6 | 131766.6 | 183122.1 | S |
| 122.700 | 0.0000 | 0.0000 | 82.728 | 0.03128 | 0.00000 | 319537.6 | 131767.5 | 183122.1 | S |
| 122.708 | 0.0000 | 0.0000 | 82.728 | 0.03128 | 0.00000 | 319537.6 | 131768.4 | 183122.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation ( t datum) | Infiltration Rate (ft ${ }^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{fl}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{H}^{3}$ ) | Cumulative Infiltration Votume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 122.717 | 0.0000 | 0.0000 | 82.728 | 0.03128 | 0.00000 | 319537.6 | 131769.4 | 183122.1 | S |
| 122.725 | 0.0000 | 0.0000 | 82.728 | 0.03127 | 0.00000 | 319537.6 | 131770.3 | 183122.1 | S |
| 122.733 | 0.0000 | 0.0000 | 82.728 | 0.03127 | 0.00000 | 319537.6 | 131771.3 | 183122.1 | S |
| 122.742 | 0.0000 | 0.0000 | 82.728 | 0.03126 | 0.00000 | 319537.6 | 131772.2 | 183122.1 | S |
| 122.750 | 0.0000 | 0.0000 | 82.728 | 0.03126 | 0.00000 | 319537.6 | 131773.1 | 183122.1 | S |
| 122.758 | 0.0000 | 0.0000 | 82.727 | 0.03126 | 0.00000 | 319537.6 | \$31774.1 | 183122.1 | S |
| 122.767 | 0.0000 | 0.0000 | 82.727 | 0.03125 | 0.00000 | 319537.6 | 131775.0 | 183122.1 | S |
| 122.775 | 0.0000 | 0.0000 | 82.727 | 0.03125 | 0.00000 | 319537.6 | 131775.9 | 183122.1 | S |
| 122.783 | 0.0000 | 0.0000 | 82.727 | 0.03124 | 0.00000 | 319537.6 | 131776.9 | 183122.1 | S |
| 122.792 | 0.0000 | 0.0000 | 82.727 | 0.03124 | 0.00000 | 319537.6 | 131777.8 | 183122.1 | S |
| 122.800 | 0.0000 | 0.0000 | 82.727 | 0.03124 | 0.00000 | 319537.6 | 131778.8 | 183122.1 | S |
| 122.808 | 0.0000 | 0.0000 | 82.727 | 0.03123 | 0.00000 | 319537.6 | 131779.7 | 183122.1 | S |
| 122.817 | 0.0000 | 0.0000 | 82.727 | 0.03123 | 0.00000 | 319537.6 | 131780.6 | 183122.1 | S |
| 122.825 | 0.0000 | 0.0000 | 82.726 | 0.03123 | 0.00000 | 319537.6 | 131781.6 | 183122.1 | S |
| 122.833 | 0.0000 | 0.0000 | 82.726 | 0.03122 | 0.00000 | 319537.6 | 131782.5 | 183122.1 | S |
| 122.842 | 0.0000 | 0.0000 | 82.726 | 0.03122 | 0.00000 | 319537.6 | 131783.4 | 183122.1 | S |
| 122.850 | 0.0000 | 0.0000 | 82.726 | 0.03121 | 0.00000 | 319537.6 | 131784.4 | 183122.1 | S |
| 122.858 | 0.0000 | 0.0000 | 82.726 | 0.03121 | 0.00000 | 319537.6 | 131785.3 | 183122.1 | S |
| 122.867 | 0.0000 | 0.0000 | 82.726 | 0.03121 | 0.00000 | 319537.6 | 131786.3 | 183122.1 | S |
| 122.875 | 0.0000 | 0.0000 | 82.726 | 0.03120 | 0.00000 | 319537.6 | 131787.2 | 183122.1 | S |
| 122.883 | 0.0000 | 0.0000 | 82.725 | 0.03120 | 0.00000 | 319537.6 | 131788.1 | 183122.1 | S |
| 122.892 | 0.0000 | 0.0000 | 82.725 | 0.03119 | 0.00000 | 319537.6 | 131789.0 | 183122.1 | S |
| 122.900 | 0.0000 | 0.0000 | 82.725 | 0.03119 | 0.00000 | 319537.6 | 131790.0 | 183122.1 | S |
| 122.908 | 0.0000 | 0.0000 | 82.725 | 0.03119 | 0.00000 | 319537.6 | 131790.9 | 183122.1 | S |
| 122.917 | 0.0000 | 0.0000 | 82.725 | 0.03118 | 0.00000 | 319537.6 | 131791.9 | 183122.1 | S |
| 122.925 | 0.0000 | 0.0000 | 82.725 | 0.03118 | 0.00000 | 319537.6 | 131792.8 | 183122.1 | S |
| 122.933 | 0.0000 | 0.0000 | 82.725 | 0.03117 | 0.00000 | 319537.6 | 131793.7 | 183122.1 | S |
| 122.942 | 0.0000 | 0.0000 | 82.725 | 0.03117 | 0.00000 | 319537.6 | 131794.7 | 183122.1 | S |
| 122.950 | 0.0000 | 0.0000 | 82.724 | 0.03117 | 0.00000 | 319537.6 | 131795.6 | 183122.1 | S |
| 122.958 | 0.0000 | 0.0000 | 82.724 | 0.03116 | 0.00000 | 319537.6 | 131796.5 | 183122.1 | S |
| 122.967 | 0.0000 | 0.0000 | 82.724 | 0.03116 | 0.00000 | 319537.6 | 131797.5 | 183122.1 | S |
| 122.975 | 0.0000 | 0.0000 | 82.724 | 0.03116 | 0.00000 | 319537.6 | 131798.4 | 183122.1 | S |
| 122.983 | 0.0000 | 0.0000 | 82.724 | 0.03115 | 0.00000 | 319537.6 | 131799.3 | 183122.1 | S |
| 122.992 | 0.0000 | 0.0000 | 82.724 | 0.03115 | 0.00000 | 319537.6 | 131800.3 | 183122.1 | S |
| 123.000 | 0.0000 | 0.0000 | 82.724 | 0.03114 | 0.00000 | 319537.6 | 131801.2 | 183122.1 | S |
| 123.008 | 0.0000 | 0.0000 | 82.723 | 0.03114 | 0.00000 | 319537.6 | 131802.1 | 183122.1 | S |
| 123.017 | 0.0000 | 0.0000 | 82.723 | 0.03114 | 0.00000 | 319537.6 | 131803.1 | 183122.1 | S |
| 123.025 | 0.0000 | 0.0000 | 82.723 | 0.03113 | 0.00000 | 319537.6 | 131804.0 | 183122.1 | S |
| 123.033 | 0.0000 | 0.0000 | 82.723 | 0.03113 | 0.00000 | 319537.6 | 131804.9 | 183122.1 | S |
| \$23.042 | 0.0000 | 0.0000 | 82.723 | 0.03112 | 0.00000 | 319537.6 | 131805.9 | 183122.1 | S |
| 123.050 | 0.0000 | 0.0000 | 82.723 | 0.03112 | 0.00000 | 319537.6 | 131806.8 | 183122.1 | S |
| 123.058 | 0.0000 | 0.0000 | 82.723 | 0.03112 | 0.00000 | 319537.6 | 131807.8 | 183122.1 | S |
| 123.067 | 0.0000 | 0.0000 | 82.723 | 0.03111 | 0.00000 | 319537.6 | 131808.7 | 183122.1 | S |
| 123.075 | 0.0000 | 0.0000 | 82.722 | 0.03111 | 0.00000 | 319537.6 | 131809.6 | 183122.1 | S |
| 123.083 | 0.0000 | 0.0000 | 82.722 | 0.03111 | 0.00000 | 319537.6 | 131810.5 | 183122.1 | S |
| 123.092 | 0.0000 | 0.0000 | 82.722 | 0.03110 | 0.00000 | 319537.6 | 131811.5 | 183122.1 | S |
| 123.100 | 0.0000 | 0.0000 | 82.722 | 0.03110 | 0.00000 | 319537.6 | 131812.4 | 183122.1 | S |
| 123.108 | 0.0000 | 0.0000 | 82.722 | 0.03109 | 0.00000 | 319537.6 | 131813.3 | 183122.1 | S |
| 123.117 | 0.0000 | 0.0000 | 82.722 | 0.03109 | 0.00000 | 319537.6 | 131814.3 | 183122.1 | S |
| 123.125 | 0.0000 | 0.0000 | 82.722 | 0.03109 | 0.00000 | 319537.6 | 131815.2 | 183122.1 | S |
| 123.133 | 0.0000 | 0.0000 | 82.721 | 0.03108 | 0.00000 | 319537.6 | 131816.1 | 183122.1 | S |
| 123.142 | 0.0000 | 0.0000 | 82.721 | 0.03108 | 0.00000 | 319537.6 | 131817.1 | 183122.1 | S |
| 123.150 | 0.0000 | 0.0000 | 82.721 | 0.03107 | 0.00000 | 319537.6 | 131818.0 | 183122.1 | S |
| 123.158 | 0.0000 | 0.0000 | 82.721 | 0.03107 | 0.00000 | 319537.6 | 131818.9 | 183122.1 | S |
| 123.167 | 0.0000 | 0.0000 | 82.721 | 0.03107 | 0.00000 | 319537.6 | 131819.9 | 183122.1 | S |
| 123.175 | 0.0000 | 0.0000 | 82.721 | 0.03106 | 0.00000 | 319537.6 | 131820.8 | 183122.1 | S |
| 123.183 | 0.0000 | 0.0000 | 82.721 | 0.03106 | 0.00000 | 319537.6 | 131821.7 | 183122.1 | S |
| 123.192 | 0.0000 | 0.0000 | 82.721 | 0.03106 | 0.00000 | 319537.6 | 131822.7 | 183122.1 | S |
| 123.200 | 0.0000 | 0.0000 | 82.720 | 0.03105 | 0.00000 | 319537.6 | 131823.6 | 183122.1 | S |
| 123.208 | 0.0000 | 0.0000 | 82.720 | 0.03105 | 0.00000 | 319537.6 | 131824.5 | 183122.1 | S |
| 123.217 | 0.0000 | 0.0000 | 82.720 | 0.03104 | 0.00000 | 319537.6 | 131825.5 | 183122.1 | S |
| 123.225 | 0.0000 | 0.0000 | 82.720 | 0.03104 | 0.00000 | 319537.6 | 131826.4 | 183122.1 | S |
| 123.233 | 0.0000 | 0.0000 | 82.720 | 0.03104 | 0.00000 | 319537.6 | 131827.3 | 183122.1 | S |
| 123.242 | 0.0000 | 0.0000 | 82.720 | 0.03103 | 0.00000 | 319537.6 | 131828.3 | 183122.1 | S |
| 123.250 | 0.0000 | 0.0000 | 82.720 | 0.03103 | 0.00000 | 319537.6 | 131829.2 | 183122.1 | S |
| 123.258 | 0.0000 | 0.0000 | 82.719 | 0.03102 | 0.00000 | 319537.6 | 131830.1 | 183122.1 | S |
| 123.267 | 0.0000 | 0.0000 | 82.719 | 0.03102 | 0.00000 | 319537.6 | 131831.0 | 183122.1 | S |
| 123.275 | 0.0000 | 0.0000 | 82.719 | 0.03102 | 0.00000 | 319537.6 | 131832.0 | 183122.1 | S |
| 123.283 | 0.0000 | 0.0000 | 82.719 | 0.03101 | 0.00000 | 319537.6 | 131832.9 | 183122.1 | S |
| 123.292 | 0.0000 | 0.0000 | 82.719 | 0.03101 | 0.00000 | 319537.6 | 131833.8 | \$83122.1 | S |
| 123.300 | 0.0000 | 0.0000 | 82.719 | 0.03101 | 0.00000 | 319537.6 | 131834.8 | 183122.1 | S |
| 123.308 | 0.0000 | 0.0000 | 82.719 | 0.03100 | 0.00000 | 319537.6 | 131835.7 | 183122.1 | S |
| 123.317 | 0.0000 | 0.0000 | 82.719 | 0.03100 | 0.00000 | 319537.6 | 131836.6 | 183122.1 | S |
| 123.325 | 0.0000 | 0.0000 | 82.718 | 0.03099 | 0.00000 | 319537.6 | 131837.6 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate (ft3/s) | Outside Recharge (fvday) | Stage Elevation (fl datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume (ft ${ }^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 123.333 | 0.0000 | 0.0000 | 82.718 | 0.03099 | 0.00000 | 319537.6 | 131838.5 | 183122.1 | S |
| 123.342 | 0.0000 | 0.0000 | 82.718 | 0.03099 | 0.00000 | 319537.6 | 131839.4 | 183122.1 | S |
| 123.350 | 0.0000 | 0.0000 | 82.718 | 0.03098 | 0.00000 | 319537.6 | 131840.3 | 183122.1 | S |
| 123.358 | 0.0000 | 0.0000 | 82.718 | 0.03098 | 0.00000 | 319537.6 | 131841.3 | 183122.1 | S |
| 123.367 | 0.0000 | 0.0000 | 82.718 | 0.03098 | 0.00000 | 319537.6 | 131842.2 | 183122.1 | S |
| 123.375 | 0.0000 | 0.0000 | 82.718 | 0.03097 | 0.00000 | 319537.6 | 131843.1 | 183122.1 | S |
| 123.383 | 0.0000 | 0.0000 | 82.717 | 0.03097 | 0.00000 | 319537.6 | 131844.1 | 183122.1 | S |
| 123.392 | 0.0000 | 0.0000 | 82.717 | 0.03096 | 0.00000 | 319537.6 | 131845.0 | 183122.1 | S |
| 123.400 | 0.0000 | 0.0000 | 82.717 | 0.03096 | 0.00000 | 319537.6 | 131845.9 | 183122.1 | S |
| 123.408 | 0.0000 | 0.0000 | 82.717 | 0.03096 | 0.00000 | 319537.6 | 131846.8 | 183122.1 | S |
| 123.417 | 0.0000 | 0.0000 | 82.717 | 0.03095 | 0.00000 | 319537.6 | 131847.8 | 183122.1 | S |
| 123.425 | 0.0000 | 0.0000 | 82.717 | 0.03095 | 0.00000 | 319537.6 | 131848.7 | 183122.1 | S |
| 123.433 | 0.0000 | 0.0000 | 82.717 | 0.03094 | 0.00000 | 319537.6 | 131849.6 | 183122.1 | S |
| 123.442 | 0.0000 | 0.0000 | 82.717 | 0.03094 | 0.00000 | 319537.6 | 131850.6 | 183122.1 | S |
| 123.450 | 0.0000 | 0.0000 | 82.716 | 0.03094 | 0.00000 | 319537.6 | 131851.5 | 183122.1 | S |
| 123.458 | 0.0000 | 0.0000 | 82.716 | 0.03093 | 0.00000 | 319537.6 | 131852.4 | 183122.1 | S |
| 123.467 | 0.0000 | 0.0000 | 82.716 | 0.03093 | 0.00000 | 319537.6 | 131853.3 | 183122.1 | S |
| 123.475 | 0.0000 | 0.0000 | 82.716 | 0.03093 | 0.00000 | 319537.6 | 131854.3 | 183122.1 | S |
| 123.483 | 0.0000 | 0.0000 | 82.716 | 0.03092 | 0.00000 | 319537.6 | 131855.2 | 183122.1 | S |
| 123.492 | 0.0000 | 0.0000 | 82.716 | 0.03092 | 0.00000 | 319537.6 | 131856.1 | 183122.1 | S |
| 123.500 | 0.0000 | 0.0000 | 82.716 | 0.03091 | 0.00000 | 319537.6 | 131857.1 | 183122.1 | S |
| 123.508 | 0.0000 | 0.0000 | 82.715 | 0.03091 | 0.00000 | 319537.6 | 131858.0 | 183122.1 | S |
| 123.517 | 0.0000 | 0.0000 | 82.715 | 0.03091 | 0.00000 | 319537.6 | 131858.9 | 183122.1 | S |
| 123.525 | 0.0000 | 0.0000 | 82.715 | 0.03090 | 0.00000 | 319537.6 | 131859.8 | 183122.1 | S |
| 123.533 | 0.0000 | 0.0000 | 82.715 | 0.03090 | 0.00000 | 319537.6 | 131860.8 | 183122.1 | S |
| 123.542 | 0.0000 | 0.0000 | 82.715 | 0.03090 | 0.00000 | 319537.6 | 131861.7 | 183122.1 | S |
| 123.550 | 0.0000 | 0.0000 | 82.715 | 0.03089 | 0.00000 | 319537.6 | 131862.6 | 183122.1 | S |
| 123.558 | 0.0000 | 0.0000 | 82.715 | 0.03089 | 0.00000 | 319537.6 | 131863.5 | 183122.1 | S |
| 123.567 | 0.0000 | 0.0000 | 82.715 | 0.03088 | 0.00000 | 319537.6 | 131864.5 | 183122.1 | S |
| 123.575 | 0.0000 | 0.0000 | 82.714 | 0.03088 | 0.00000 | 319537.6 | 131865.4 | 183122.1 | S |
| 123.583 | 0.0000 | 0.0000 | 82.714 | 0.03088 | 0.00000 | 319537.6 | 131866.3 | 183122.1 | S |
| 123.592 | 0.0000 | 0.0000 | 82.714 | 0.03087 | 0.00000 | 319537.6 | 131867.3 | 183122.1 | S |
| 123.600 | 0.0000 | 0.0000 | 82.714 | 0.03087 | 0.00000 | 319537.6 | 131868.2 | 183122.1 | S |
| 123.608 | 0.0000 | 0.0000 | 82.714 | 0.03086 | 0.00000 | 319537.6 | 131869.1 | 183122.1 | S |
| 123.617 | 0.0000 | 0.0000 | 82.714 | 0.03086 | 0.00000 | 319537.6 | 131870.0 | 183122.1 | S |
| 123.625 | 0.0000 | 0.0000 | 82.714 | 0.03086 | 0.00000 | 319537.6 | 131871.0 | 183122.1 | S |
| 123.633 | 0.0000 | 0.0000 | 82.713 | 0.03085 | 0.00000 | 319537.6 | 131871.9 | 183122.1 | S |
| 123.642 | 0.0000 | 0.0000 | 82.713 | 0.03085 | 0.00000 | 319537.6 | 131872.8 | 183122.1 | S |
| 123.650 | 0.0000 | 0.0000 | 82.713 | 0.03085 | 0.00000 | 319537.6 | 131873.7 | 183122.1 | S |
| 123.658 | 0.0000 | 0.0000 | 82.713 | 0.03084 | 0.00000 | 319537.6 | 131874.7 | 183122.1 | S |
| 123.667 | 0.0000 | 0.0000 | 82.713 | 0.03084 | 0.00000 | 319537.6 | 131875.6 | 183122.1 | S |
| 123.675 | 0.0000 | 0.0000 | 82.713 | 0.03083 | 0.00000 | 319537.6 | 131876.5 | 183122.1 | S |
| 123.683 | 0.0000 | 0.0000 | 82.713 | 0.03083 | 0.00000 | 319537.6 | 131877.4 | 183122.1 | S |
| 123.692 | 0.0000 | 0.0000 | 82.713 | 0.03083 | 0.00000 | 319537.6 | 131878.4 | 183122.1 | S |
| 123.700 | 0.0000 | 0.0000 | 82.712 | 0.03082 | 0.00000 | 319537.6 | 131879.3 | 183122.1 | S |
| 123.708 | 0.0000 | 0.0000 | 82.712 | 0.03082 | 0.00000 | 319537.6 | 131880.2 | 183122.1 | S |
| 123.717 | 0.0000 | 0.0000 | 82.712 | 0.03082 | 0.00000 | 319537.6 | 131881.1 | 183122.1 | S |
| 123.725 | 0.0000 | 0.0000 | 82.712 | 0.03081 | 0.00000 | 319537.6 | 131882.1 | 183122.1 | S |
| 123.733 | 0.0000 | 0.0000 | 82.712 | 0.03081 | 0.00000 | 319537.6 | 131883.0 | 183122.1 | S |
| 123.742 | 0.0000 | 0.0000 | 82.712 | 0.03080 | 0.00000 | 319537.6 | 131883.9 | 183122.1 | S |
| 123.750 | 0.0000 | 0.0000 | 82.712 | 0.03080 | 0.00000 | 319537.6 | 131884.8 | 183122.1 | S |
| 123.758 | 0.0000 | 0.0000 | 82.711 | 0.03080 | 0.00000 | 319537.6 | 131885.8 | 183122.1 | S |
| 123.767 | 0.0000 | 0.0000 | 82.711 | 0.03079 | 0.00000 | 319537.6 | 131886.7 | 183122.1 | S |
| 123.775 | 0.0000 | 0.0000 | 82.711 | 0.03079 | 0.00000 | 319537.6 | 131887.6 | 183122.1 | S |
| 123.783 | 0.0000 | 0.0000 | 82.711 | 0.03078 | 0.00000 | 319537.6 | 131888.5 | 783122.1 | S |
| 123.792 | 0.0000 | 0.0000 | 82.711 | 0.03078 | 0.00000 | 319537.6 | 131889.5 | 183122.1 | S |
| 123.800 | 0.0000 | 0.0000 | 82.711 | 0.03078 | 0.00000 | 319537.6 | 131890.4 | 183122.1 | S |
| 123.808 | 0.0000 | 0.0000 | 82.711 | 0.03077 | 0.00000 | 319537.6 | 131891.3 | 183122.1 | S |
| 123.817 | 0.0000 | 0.0000 | 82.711 | 0.03077 | 0.00000 | 319537.6 | 131892.2 | 183122.1 | S |
| 123.825 | 0.0000 | 0.0000 | 82.710 | 0.03077 | 0.00000 | 319537.6 | 131893.1 | 183122.1 | S |
| 123.833 | 0.0000 | 0.0000 | 82.710 | 0.03076 | 0.00000 | 319537.6 | 131894.1 | 183122.1 | S |
| 123.842 | 0.0000 | 0.0000 | 82.710 | 0.03076 | 0.00000 | 319537.6 | 131895.0 | 183122.1 | S |
| 123.850 | 0.0000 | 0.0000 | 82.710 | 0.03075 | 0.00000 | 319537.6 | 131895.9 | 183122.1 | S |
| 123.858 | 0.0000 | 0.0000 | 82.710 | 0.03075 | 0.00000 | 319537.6 | 131896.8 | 183122.1 | S |
| 123.867 | 0.0000 | 0.0000 | 82.710 | 0.03075 | 0.00000 | 319537.6 | 131897.8 | 183122.1 | S |
| 123.875 | 0.0000 | 0.0000 | 82.710 | 0.03074 | 0.00000 | 319537.6 | 131898.7 | 183122.1 | S |
| 123.883 | 0.0000 | 0.0000 | 82.709 | 0.03074 | 0.00000 | 319537.6 | 131899.6 | 183122.1 | S |
| 123.892 | 0.0000 | 0.0000 | 82.709 | 0.03074 | 0.00000 | 319537.6 | 131900.5 | 183122.1 | S |
| 123.900 | 0.0000 | 0.0000 | 82.709 | 0.03073 | 0.00000 | 319537.6 | 131901.4 | 183122.1 | S |
| 123.908 | 0.0000 | 0.0000 | 82.709 | 0.03073 | 0.00000 | 319537.6 | 131902.4 | 183122.1 | S |
| 123.917 | 0.0000 | 0.0000 | 82.709 | 0.03072 | 0.00000 | 319537.6 | 131903.3 | 183122.1 | S |
| 123.925 | 0.0000 | 0.0000 | 82.709 | 0.03072 | 0.00000 | 319537.6 | 131904.2 | 183122.1 | S |
| 123.933 | 0.0000 | 0.0000 | 82.709 | 0.03072 | 0.00000 | 319537.6 | 131905.1 | 183122.1 | S |
| 123.942 | 0.0000 | 0.0000 | 82.709 | 0.03071 | 0.00000 | 319537.6 | 131906.0 | 183122.1 | S |

Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | infiltration Rate ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | $\begin{aligned} & \text { Flow } \\ & \text { Type } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 123.950 | 0.0000 | 0.0000 | 82.708 | 0.03071 | 0.00000 | 319537.6 | 131907.0 | 183122.1 | S |
| 123.958 | 0.0000 | 0.0000 | 82.708 | 0.03071 | 0.00000 | 319537.6 | 131907.9 | 183122.1 | S |
| 123.967 | 0.0000 | 0.0000 | 82.708 | 0.03070 | 0.00000 | 319537.6 | 131908.8 | 183122.1 | S |
| 123.975 | 0.0000 | 0.0000 | 82.708 | 0.03070 | 0.00000 | 319537.6 | 131909.7 | 183122.3 | S |
| 123.983 | 0.0000 | 0.0000 | 82.708 | 0.03069 | 0.00000 | 319537.6 | 131910.7 | 183122.1 | S |
| 123.992 | 0.0000 | 0.0000 | 82.708 | 0.03069 | 0.00000 | 319537.6 | 131911.6 | 183122.1 | S |
| 124.000 | 0.0000 | 0.0000 | 82.708 | 0.03069 | 0.00000 | 319537.6 | 131912.5 | 183122.1 | S |
| 124.008 | 0.0000 | 0.0000 | 82.708 | 0.03068 | 0.00000 | 319537.6 | 131913.4 | 183122.1 | S |
| 124.017 | 0.0000 | 0.0000 | 82.707 | 0.03068 | 0.00000 | 319537.6 | 131914.3 | 183122.1 | S |
| 124.025 | 0.0000 | 0.0000 | 82.707 | 0.03068 | 0.00000 | 319537.6 | 131915.3 | 183122.1 | S |
| 124.033 | 0.0000 | 0.0000 | 82.707 | 0.03067 | 0.00000 | 319537.6 | 131916.2 | 183122.1 | S |
| 124.042 | 0.0000 | 0.0000 | 82.707 | 0.03067 | 0.00000 | 319537.6 | 134917.1 | 183122.1 | S |
| 124.050 | 0.0000 | 0.0000 | 82.707 | 0.03066 | 0.00000 | 319537.6 | 131918.0 | 183122.1 | S |
| 124.058 | 0.0000 | 0.0000 | 82.707 | 0.03066 | 0.00000 | 319537.6 | 131918.9 | 183122.1 | S |
| 124.067 | 0.0000 | 0.0000 | 82.707 | 0.03066 | 0.00000 | 319537.6 | 131919.9 | 183122.1 | S |
| 124.075 | 0.0000 | 0.0000 | 82.706 | 0.03065 | 0.00000 | 319537.6 | 131920.8 | 183122.1 | S |
| 124.083 | 0.0000 | 0.0000 | 82.706 | 0.03065 | 0.00000 | 319537.6 | 131921.7 | 183122.1 | S |
| 124.092 | 0.0000 | 0.0000 | 82.706 | 0.03065 | 0.00000 | 319537.6 | 131922.6 | 183122.1 | S |
| 124.100 | 0.0000 | 0.0000 | 82.706 | 0.03064 | 0.00000 | 319537.6 | 131923.5 | 183122.1 | S |
| 124.108 | 0.0000 | 0.0000 | 82.706 | 0.03064 | 0.00000 | 319537.6 | 131924.5 | 183122.1 | S |
| 124.117 | 0.0000 | 0.0000 | 82.706 | 0.03063 | 0.00000 | 319537.6 | 131925.4 | 183122.1 | S |
| 124.125 | 0.0000 | 0.0000 | 82.706 | 0.03063 | 0.00000 | 319537.6 | 131926.3 | 183122.1 | S |
| 124.133 | 0.0000 | 0.0000 | 82.706 | 0.03063 | 0.00000 | 319537.6 | 131927.2 | 183122.1 | S |
| 124.142 | 0.0000 | 0.0000 | 82.705 | 0.03062 | 0.00000 | 319537.6 | 131928.1 | 183122.1 | S |
| 124.150 | 0.0000 | 0.0000 | 82.705 | 0.03062 | 0.00000 | 319537.6 | 131929.0 | 183122.1 | S |
| 124.158 | 0.0000 | 0.0000 | 82.705 | 0.03062 | 0.00000 | 319537.6 | 131930.0 | 183122.1 | S |
| 124.167 | 0.0000 | 0.0000 | 82.705 | 0.03061 | 0.00000 | 319537.6 | 131930.9 | 183122.1 | S |
| 124.175 | 0.0000 | 0.0000 | 82.705 | 0.03061 | 0.00000 | 319537.6 | 131931.8 | 183122.1 | S |
| 124.183 | 0.0000 | 0.0000 | 82.705 | 0.03060 | 0.00000 | 319537.6 | 131932.7 | 183122. | S |
| 124.192 | 0.0000 | 0.0000 | 82.705 | 0.03060 | 0.00000 | 319537.6 | 131933.6 | 183122.1 | S |
| \$24.200 | 0.0000 | 0.0000 | 82.704 | 0.03060 | 0.00000 | 319537.6 | 131934.6 | 183122.1 | S |
| 124.208 | 0.0000 | 0.0000 | 82.704 | 0.03059 | 0.00000 | 319537.6 | 131935.5 | 183122.1 | S |
| 124.217 | 0.0000 | 0.0000 | 82.704 | 0.03059 | 0.00000 | 319537.6 | 131936.4 | 183122.1 | S |
| 124.225 | 0.0000 | 0.0000 | 82.704 | 0.03059 | 0.00000 | 319537.6 | 131937.3 | 183122.1 | S |
| 124.233 | 0.0000 | 0.0000 | 82.704 | 0.03058 | 0.00000 | 319537.6 | 131938.2 | 183122.1 | S |
| 124.242 | 0.0000 | 0.0000 | 82.704 | 0.03058 | 0.00000 | 319537.6 | 131939.2 | 183122.1 | S |
| 124.250 | 0.0000 | 0.0000 | 82.704 | 0.03057 | 0.00000 | 319537.6 | 131940.1 | 183122.1 | S |
| \$24.258 | 0.0000 | 0.0000 | 82.704 | 0.03057 | 0.00000 | 319537.6 | 131941.0 | 183122.1 | S |
| 124.267 | 0.0000 | 0.0000 | 82.703 | 0.03057 | 0.00000 | 319537.6 | 131941.9 | 183122.1 | S |
| 124.275 | 0.0000 | 0.0000 | 82.703 | 0.03056 | 0.00000 | 319537.6 | 131942.8 | 183122.1 | S |
| 124.283 | 0.0000 | 0.0000 | 82.703 | 0.03056 | 0.00000 | 319537.6 | 131943.7 | 183122.1 | S |
| $\uparrow 24.292$ | 0.0000 | 0.0000 | 82.703 | 0.03056 | 0.00000 | 319537.6 | 131944.7 | 183122.1 | S |
| 124.300 | 0.0000 | 0.0000 | 82.703 | 0.03055 | 0.00000 | 319537.6 | 131945.6 | 183122.1 | S |
| 124.308 | 0.0000 | 0.0000 | 82.703 | 0.03055 | 0.00000 | 319537.6 | 131946.5 | 183122.1 | S |
| 124.317 | 0.0000 | 0.0000 | 82.703 | 0.03054 | 0.00000 | 319537.6 | 131947.4 | 183122.1 | S |
| 124.325 | 0.0000 | 0.0000 | 82.702 | 0.03054 | 0.00000 | 319537.6 | 131948.3 | 183122.1 | S |
| 124.333 | 0.0000 | 0.0000 | 82.702 | 0.03054 | 0.00000 | 319537.6 | 131949.2 | 183122.1 | S |
| 124.342 | 0.0000 | 0.0000 | 82.702 | 0.03053 | 0.00000 | 319537.6 | 131950.2 | 183122.1 | S |
| 124.350 | 0.0000 | 0.0000 | 82.702 | 0.03053 | 0.00000 | 319537.6 | 131951.1 | 183122.1 | S |
| 124.358 | 0.0000 | 0.0000 | 82.702 | 0.03053 | 0.00000 | 319537.6 | 131952.0 | 183122.1 | S |
| 124.367 | 0.0000 | 0.0000 | 82.702 | 0.03052 | 0.00000 | 319537.6 | 131952.9 | 183122.1 | S |
| 124.375 | 0.0000 | 0.0000 | 82.702 | 0.03052 | 0.00000 | 319537.6 | 131953.8 | 183122.1 | S |
| 124.383 | 0.0000 | 0.0000 | 82.702 | 0.03051 | 0.00000 | 319537.6 | 131954.7 | 183122.1 | S |
| 124.392 | 0.0000 | 0.0000 | 82.701 | 0.03051 | 0.00000 | 319537.6 | 131955.6 | 183122.1 | S |
| 124.400 | 0.0000 | 0.0000 | 82.701 | 0.03051 | 0.00000 | 319537.6 | 131956.6 | 183122.1 | S |
| 124.408 | 0.0000 | 0.0000 | 82.701 | 0.03050 | 0.00000 | 319537.6 | 131957.5 | 183122.1 | S |
| 124.417 | 0.0000 | 0.0000 | 82.701 | 0.03050 | 0.00000 | 319537.6 | 131958.4 | 183122.1 | S |
| 124.425 | 0.0000 | 0.0000 | 82.701 | 0.03050 | 0.00000 | 319537.6 | 131959.3 | 183122.1 | S |
| 124.433 | 0.0000 | 0.0000 | 82.701 | 0.03049 | 0.00000 | 319537.6 | 131960.2 | 183122.1 | S |
| 124.442 | 0.0000 | 0.0000 | 82.701 | 0.03049 | 0.00000 | 319537.6 | \$31961.1 | 183122.1 | S |
| 124.450 | 0.0000 | 0.0000 | 82.701 | 0.03048 | 0.00000 | 319537.6 | 131962.0 | 183122.1 | S |
| 124.458 | 0.0000 | 0.0000 | 82.700 | 0.03048 | 0.00000 | 319537.6 | 131963.0 | 183122.1 | S |
| 124.467 | 0.0000 | 0.0000 | 82.700 | 0.03048 | 0.00000 | 319537.6 | 131963.9 | 183122.1 | S |
| 124.475 | 0.0000 | 0.0000 | 82.700 | 0.03047 | 0.00000 | 319537.6 | 131964.8 | 183122.1 | S |
| 124.483 | 0.0000 | 0.0000 | 82.700 | 0.03047 | 0.00000 | 319537.6 | 131965.7 | 183122.1 | S |
| 124.492 | 0.0000 | 0.0000 | 82.700 | 0.03047 | 0.00000 | 319537.6 | 131966.6 | 183122.1 | S |
| 124.500 | 0.0000 | 0.0000 | 82.700 | 0.03046 | 0.00000 | 319537.6 | 131967.5 | 183122.1 | S |
| 124.508 | 0.0000 | 0.0000 | 82.700 | 0.03046 | 0.00000 | 319537.6 | 131968.5 | 183122.1 | S |
| 124.517 | 0.0000 | 0.0000 | 82.699 | 0.03045 | 0.00000 | 319537.6 | 131969.4 | 183122.1 | S |
| 124.525 | 0.0000 | 0.0000 | 82.699 | 0.03045 | 0.00000 | 319537.6 | 131970.3 | 183122.1 | S |
| 124.533 | 0.0000 | 0.0000 | 82.699 | 0.03045 | 0.00000 | 319537.6 | 131971.2 | 183122.1 | S |
| 124.542 | 0.0000 | 0.0000 | 82.699 | 0.03044 | 0.00000 | 319537.6 | 131972.1 | 183122.1 | S |
| 124.550 | 0.0000 | 0.0000 | 82.699 | 0.03044 | 0.00000 | 319537.6 | 131973.0 | 183122.1 | S |
| 124.558 | 0.0000 | 0.0000 | 82.699 | 0.03044 | 0.00000 | 319537.6 | 131973.9 | 183122.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/overflow

| Elapsed Time (hours) | inflow <br> Rate <br> (f13/s) | Outside Recharge (fuday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{1} / \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Voiume ( $\mathrm{t}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 124.567 | 0.0000 | 0.0000 | 82.699 | 0.03043 | 0.00000 | 319537.6 | 131974.8 | 183122.1 | S |
| 124.575 | 0.0000 | 0.0000 | 82.699 | 0.03043 | 0.00000 | 319537.6 | 131975.8 | $183 \ddagger 22.1$ | S |
| 124.583 | 0.0000 | 0.0000 | 82.698 | 0.03042 | 0.00000 | 319537.6 | 131976.7 | 183122.1 | S |
| 124.592 | 0.0000 | 0.0000 | 82.698 | 0.03042 | 0.00000 | 319537.6 | 131977.6 | 183122.1 | S |
| 124.600 | 0.0000 | 0.0000 | 82.698 | 0.03042 | 0.00000 | 319537.6 | 131978.5 | 183122.1 | S |
| 124.608 | 0.0000 | 0.0000 | 82.698 | 0.03041 | 0.00000 | 319537.6 | 131979.4 | 183122.1 | S |
| 124.617 | 0.0000 | 0.0000 | 82.698 | 0.03041 | 0.00000 | 319537.6 | 131980.3 | 183122.1 | S |
| 124.625 | 0.0000 | 0.0000 | 82.698 | 0.03041 | 0.00000 | 319537.6 | 131981.2 | 183122.1 | S |
| 124.633 | 0.0000 | 0.0000 | 82.698 | 0.03040 | 0.00000 | 319537.6 | 131982.1 | 183122.1 | S |
| 124.642 | 0.0000 | 0.0000 | 82.697 | 0.03040 | 0.00000 | 319537.6 | 131983.0 | 183122.1 | S |
| 124.650 | 0.0000 | 0.0000 | 82.697 | 0.03039 | 0.00000 | 319537.6 | 131984.0 | 183122.1 | S |
| 124.658 | 0.0000 | 0.0000 | 82.697 | 0.03039 | 0.00000 | 319537.6 | 131984.9 | 183122.1 | S |
| 124.667 | 0.0000 | 0.0000 | 82.697 | 0.03039 | 0.00000 | 319537.6 | 131985.8 | 183122.1 | S |
| 124.675 | 0.0000 | 0.0000 | 82.697 | 0.03038 | 0.00000 | 319537.6 | 131986.7 | 183122.1 | S |
| 124.683 | 0.0000 | 0.0000 | 82.697 | 0.03038 | 0.00000 | 319537.6 | 131987.6 | 183122.1 | S |
| 124.692 | 0.0000 | 0.0000 | 82.697 | 0.03038 | 0.00000 | 319537.6 | 131988.5 | 183122.1 | S |
| 124.700 | 0.0000 | 0.0000 | 82.697 | 0.03037 | 0.00000 | 319537.6 | 131989.4 | 183122.1 | S |
| 124.708 | 0.0000 | 0.0000 | 82.696 | 0.03037 | 0.00000 | 319537.6 | 131990.3 | 183122.1 | S |
| 124.717 | 0.0000 | 0.0000 | 82.696 | 0.03036 | 0.00000 | 319537.6 | 131991.3 | 183122.1 | S |
| 124.725 | 0.0000 | 0.0000 | 82.696 | 0.03036 | 0.00000 | 319537.6 | 131992.2 | \$83122.1 | S |
| 124.733 | 0.0000 | 0.0000 | 82.696 | 0.03036 | 0.00000 | 319537.6 | 131993.1 | 183122.1 | S |
| 124.742 | 0.0000 | 0.0000 | 82.696 | 0.03035 | 0.00000 | 319537.6 | 131994.0 | 183122.1 | S |
| 124.750 | 0.0000 | 0.0000 | 82.696 | 0.03035 | 0.00000 | 319537.6 | 131994.9 | 183122.1 | S |
| 124.758 | 0.0000 | 0.0000 | 82.696 | 0.03035 | 0.00000 | 319537.6 | 131995.8 | 183122.1 | S |
| 124.767 | 0.0000 | 0.0000 | 82.696 | 0.03034 | 0.00000 | 319537.6 | 131996.7 | 183122.1 | S |
| 124.775 | 0.0000 | 0.0000 | 82.695 | 0.03034 | 0.00000 | 319537.6 | 131997.6 | 183122.1 | S |
| 124.783 | 0.0000 | 0.0000 | 82.695 | 0.03034 | 0.00000 | 319537.6 | 131998.5 | 183122.1 | S |
| 124.792 | 0.0000 | 0.0000 | 82.695 | 0.03033 | 0.00000 | 319537.6 | 131999.5 | 183122.1 | S |
| 124.800 | 0.0000 | 0.0000 | 82.695 | 0.03033 | 0.00000 | 319537.6 | 132000.4 | 183122.1 | S |
| 124.808 | 0.0000 | 0.0000 | 82.695 | 0.03032 | 0.00000 | 319537.6 | 132001.3 | 183122.1 | S |
| 124.817 | 0.0000 | 0.0000 | 82.695 | 0.03032 | 0.00000 | 319537.6 | 132002.2 | 183122.1 | S |
| 124.825 | 0.0000 | 0.0000 | 82.695 | 0.03032 | 0.00000 | 319537.6 | 132003.1 | 183122.1 | S |
| 124.833 | 0.0000 | 0.0000 | 82.694 | 0.03031 | 0.00000 | 319537.6 | 132004.0 | 183122.1 | S |
| 124.842 | 0.0000 | 0.0000 | 82.694 | 0.03031 | 0.00000 | 319537.6 | 132004.9 | 183122.1 | S |
| 124.850 | 0.0000 | 0.0000 | 82.694 | 0.03031 | 0.00000 | 319537.6 | 132005.8 | 183122.1 | S |
| 124.858 | 0.0000 | 0.0000 | 82.694 | 0.03030 | 0.00000 | 319537.6 | 132006.7 | 183122.1 | S |
| 124.867 | 0.0000 | 0.0000 | 82.694 | 0.03030 | 0.00000 | 319537.6 | 132007.6 | 183122.1 | S |
| 124.875 | 0.0000 | 0.0000 | 82.694 | 0.03029 | 0.00000 | 319537.6 | 132008.5 | 183122.1 | S |
| 124.883 | 0.0000 | 0.0000 | 82.694 | 0.03029 | 0.00000 | 319537.6 | 132009.5 | 183122.1 | S |
| 124.892 | 0.0000 | 0.0000 | 82.694 | 0.03029 | 0.00000 | 319537.6 | 132010.4 | 183122.1 | S |
| 124.900 | 0.0000 | 0.0000 | 82.693 | 0.03028 | 0.00000 | 319537.6 | 132011.3 | 183122.1 | S |
| 124.908 | 0.0000 | 0.0000 | 82.693 | 0.03028 | 0.00000 | 319537.6 | 132012.2 | 183122.4 | S |
| 124.917 | 0.0000 | 0.0000 | 82.693 | 0.03028 | 0.00000 | 319537.6 | 132013.1 | 183122.4 | S |
| 124.925 | 0.0000 | 0.0000 | 82.693 | 0.03027 | 0.00000 | 319537.6 | 132014.0 | 183122.1 | S |
| 124.933 | 0.0000 | 0.0000 | 82.693 | 0.03027 | 0.00000 | 319537.6 | 132014.9 | 183122.1 | S |
| 124.942 | 0.0000 | 0.0000 | 82.693 | 0.03027 | 0.00000 | 319537.6 | 132015.8 | 183122.1 | S |
| 124.950 | 0.0000 | 0.0000 | 82.693 | 0.03026 | 0.00000 | 319537.6 | 132016.7 | 183122.1 | S |
| 124.958 | 0.0000 | 0.0000 | 82.693 | 0.03026 | 0.00000 | 319537.6 | 132017.6 | 183122.1 | S |
| 124.967 | 0.0000 | 0.0000 | 82.692 | 0.03025 | 0.00000 | 319537.6 | 132018.5 | 183122.1 | S |
| 124.975 | 0.0000 | 0.0000 | 82.692 | 0.03025 | 0.00000 | 319537.6 | 132019.4 | 183122.1 | S |
| 124.983 | 0.0000 | 0.0000 | 82.692 | 0.03025 | 0.00000 | 319537.6 | 132020.3 | 183122.1 | S |
| 124.992 | 0.0000 | 0.0000 | 82.692 | 0.03024 | 0.00000 | 319537.6 | 132021.3 | 183122.1 | S |
| 125.000 | 0.0000 | 0.0000 | 82.692 | 0.03024 | 0.00000 | 319537.6 | 132022.2 | 183122.1 | S |
| 125.008 | 0.0000 | 0.0000 | 82.692 | 0.03024 | 0.00000 | 319537.6 | 132023.1 | 183122.1 | S |
| 125.017 | 0.0000 | 0.0000 | 82.692 | 0.03023 | 0.00000 | 319537.6 | 132024.0 | 183122.1 | S |
| 125.025 | 0.0000 | 0.0000 | 82.691 | 0.03023 | 0.00000 | 319537.6 | 132024.9 | 183122.1 | S |
| 125.033 | 0.0000 | 0.0000 | 82.691 | 0.03022 | 0.00000 | 319537.6 | 132025.8 | 183122.1 | S |
| 125.042 | 0.0000 | 0.0000 | 82.691 | 0.03022 | 0.00000 | 319537.6 | 132026.7 | 183122.1 | S |
| 125.050 | 0.0000 | 0.0000 | 82.691 | 0.03022 | 0.00000 | 319537.6 | \$32027.6 | 183122.1 | S |
| 125.058 | 0.0000 | 0.0000 | 82.691 | 0.03021 | 0.00000 | 319537.6 | 132028.5 | 183122.1 | S |
| 125.067 | 0.0000 | 0.0000 | 82.691 | 0.03021 | 0.00000 | 319537.6 | 132029.4 | 183122.1 | S |
| 125.075 | 0.0000 | 0.0000 | 82.691 | 0.03021 | 0.00000 | 319537.6 | 132030.3 | 183122.1 | S |
| 125.083 | 0.0000 | 0.0000 | 82.691 | 0.03020 | 0.00000 | 319537.6 | 132031.2 | 183122.1 | S |
| 125.092 | 0.0000 | 0.0000 | 82.690 | 0.03020 | 0.00000 | 319537.6 | 132032.1 | 183122.1 | S |
| 125.100 | 0.0000 | 0.0000 | 82.690 | 0.03019 | 0.00000 | 319537.6 | 132033.0 | 183122.1 | S |
| 125.108 | 0.0000 | 0.0000 | 82.690 | 0.03019 | 0.00000 | 319537.6 | 132034.0 | 183122.1 | S |
| 125.117 | 0.0000 | 0.0000 | 82.690 | 0.03019 | 0.00000 | 319537.6 | 132034.9 | 183122.1 | S |
| 125.125 | 0.0000 | 0.0000 | 82.690 | 0.03018 | 0.00000 | 319537.6 | 132035.8 | 183122.1 | S |
| 125.133 | 0.0000 | 0.0000 | 82.690 | 0.03018 | 0.00000 | 319537.6 | 132036.7 | 183122.1 | S |
| 125.142 | 0.0000 | 0.0000 | 82.690 | 0.03018 | 0.00000 | 319537.6 | 132037.6 | 183122.1 | S |
| 125.150 | 0.0000 | 0.0000 | 82.690 | 0.03017 | 0.00000 | 319537.6 | 132038.5 | 183122.1 | S |
| 125.158 | 0.0000 | 0.0000 | 82.689 | 0.03017 | 0.00000 | 319537.6 | 132039.4 | 183122.1 | S |
| 125.167 | 0.0000 | 0.0000 | 82.689 | 0.03017 | 0.00000 | 319537.6 | 132040.3 | 183122.1 | S |
| 125.175 | 0.0000 | 0.0000 | 82.689 | 0.03016 | 0.00000 | 319537.6 | 132041.2 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infittration Rate ( $\mathrm{t}^{3 / 3}$ ) | Overflow Discharge ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infilltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 125.183 | 0.0000 | 0.0000 | 82.689 | 0.03016 | 0.00000 | 319537.6 | 132042.1 | 183122.1 | S |
| 125.192 | 0.0000 | 0.0000 | 82.689 | 0.03015 | 0.00000 | 319537.6 | 132043.0 | 183122.1 | S |
| 125.200 | 0.0000 | 0.0000 | 82.689 | 0.03015 | 0.00000 | 319537.6 | 132043.9 | 183122.1 | S |
| 125.208 | 0.0000 | 0.0000 | 82.689 | 0.03015 | 0.00000 | 319537.6 | 132044.8 | 183122.1 | S |
| 125.217 | 0.0000 | 0.0000 | 82.688 | 0.03014 | 0.00000 | 319537.6 | 132045.7 | 183122.1 | S |
| 125.225 | 0.0000 | 0.0000 | 82.688 | 0.03014 | 0.00000 | 319537.6 | 132046.6 | 183122.1 | S |
| 125.233 | 0.0000 | 0.0000 | 82.688 | 0.03014 | 0.00000 | 319537.6 | 132047.5 | 183122.1 | S |
| 125.242 | 0.0000 | 0.0000 | 82.688 | 0.03013 | 0.00000 | 319537.6 | 132048.4 | 183122.1 | S |
| 125.250 | 0.0000 | 0.0000 | 82.688 | 0.03013 | 0.00000 | 319537.6 | 132049.3 | 183122.1 | S |
| 125.258 | 0.0000 | 0.0000 | 82.088 | 0.03013 | 0.00000 | 319537.6 | 132050.2 | 183122.1 | S |
| 125.267 | 0.0000 | 0.0000 | 82.688 | 0.03012 | 0.00000 | 319537.6 | 132051.1 | 183122.1 | S |
| 125.275 | 0.0000 | 0.0000 | 82.688 | 0.03012 | 0.00000 | 319537.6 | 132052.0 | 183122.1 | S |
| 125.283 | 0.0000 | 0.0000 | 82.687 | 0.03011 | 0.00000 | 319537.6 | 132052.9 | 183122.1 | S |
| 125.292 | 0.0000 | 0.0000 | 82.687 | 0.03011 | 0.00000 | 319537.6 | 132053.8 | 183122.1 | S |
| 125.300 | 0.0000 | 0.0000 | 82.687 | 0.03011 | 0.00000 | 319537.6 | 132054.8 | 183122.1 | S |
| 125.308 | 0.0000 | 0.0000 | 82.687 | 0.03010 | 0.00000 | 319537.6 | 132055.7 | 183122.1 | S |
| 125.317 | 0.0000 | 0.0000 | 82.687 | 0.03010 | 0.00000 | 319537.6 | 132056.6 | 183122.1 | S |
| 125.325 | 0.0000 | 0.0000 | 82.687 | 0.03010 | 0.00000 | 319537.6 | 132057.5 | 183122.1 | S |
| 125.333 | 0.0000 | 0.0000 | 82.687 | 0.03009 | 0.00000 | 319537.6 | 132058.4 | 183122.1 | S |
| 125.342 | 0.0000 | 0.0000 | 82.687 | 0.03009 | 0.00000 | 319537.6 | 132059.3 | 183122.1 | S |
| 125.350 | 0.0000 | 0.0000 | 82.686 | 0.03008 | 0.00000 | 319537.6 | 132060.2 | 183122.1 | S |
| 125.358 | 0.0000 | 0.0000 | 82.686 | 0.03008 | 0.00000 | 319537.6 | 132061.1 | 183122.1 | S |
| 125.367 | 0.0000 | 0.0000 | 82.686 | 0.03008 | 0.00000 | 319537.6 | 132062.0 | 183122.1 | S |
| 125.375 | 0.0000 | 0.0000 | 82.686 | 0.03007 | 0.00000 | 319537.6 | 132062.9 | 183122.1 | S |
| 125.383 | 0.0000 | 0.0000 | 82.686 | 0.03007 | 0.00000 | 319537.6 | 132063.8 | 183122.1 | S |
| 125.392 | 0.0000 | 0.0000 | 82.686 | 0.03007 | 0.00000 | 319537.6 | 132064.7 | 183122.1 | S |
| 125.400 | 0.0000 | 0.0000 | 82.686 | 0.03006 | 0.00000 | 319537.6 | 132065.6 | 183122.1 | S |
| 125.408 | 0.0000 | 0.0000 | 82.685 | 0.03006 | 0.00000 | 319537.6 | 132066.5 | 183122.1 | S |
| 125.417 | 0.0000 | 0.0000 | 82.685 | 0.03006 | 0.00000 | 319537.6 | 132067.4 | 183122.1 | S |
| 125.425 | 0.0000 | 0.0000 | 82.685 | 0.03005 | 0.00000 | 319537.6 | 132068.3 | 183122.1 | S |
| 125.433 | 0.0000 | 0.0000 | 82.685 | 0.03005 | 0.00000 | 319537.6 | 132069.2 | 183122.1 | S |
| 125.442 | 0.0000 | 0.0000 | 82.685 | 0.03004 | 0.00000 | 319537.6 | 132070.1 | 183122.1 | S |
| 125.450 | 0.0000 | 0.0000 | 82.685 | 0.03004 | 0.00000 | 319537.6 | 132071.0 | 183122.1 | S |
| 125.458 | 0.0000 | 0.0000 | 82.685 | 0.03004 | 0.00000 | 319537.6 | 132071.9 | 183122.1 | S |
| 125.467 | 0.0000 | 0.0000 | 82.685 | 0.03003 | 0.00000 | 319537.6 | 132072.8 | 183122.1 | S |
| 125.475 | 0.0000 | 0.0000 | 82.684 | 0.03003 | 0.00000 | 319537.6 | 132073.7 | 183122.1 | S |
| 125.483 | 0.0000 | 0.0000 | 82.684 | 0.03003 | 0.00000 | 319537.6 | 132074.6 | 183122.1 | S |
| 125.492 | 0.0000 | 0.0000 | 82.684 | 0.03002 | 0.00000 | 319537.6 | 132075.5 | 183122.1 | S |
| 125.500 | 0.0000 | 0.0000 | 82.684 | 0.03002 | 0.00000 | 319537.6 | 132076.4 | 183122.1 | S |
| 125.508 | 0.0000 | 0.0000 | 82.684 | 0.03002 | 0.00000 | 319537.6 | 132077.3 | 183122.1 | S |
| 125.517 | 0.0000 | 0.0000 | 82.684 | 0.03001 | 0.00000 | 319537.6 | 132078.2 | 183122.1 | S |
| 125.525 | 0.0000 | 0.0000 | 82.684 | 0.03001 | 0.00000 | 319537.6 | 132079.1 | 183122.1 | S |
| 125.533 | 0.0000 | 0.0000 | 82.684 | 0.03000 | 0.00000 | 319537.6 | 132080.0 | 183122.1 | S |
| 125.542 | 0.0000 | 0.0000 | 82.683 | 0.03000 | 0.00000 | 319537.6 | 132080.9 | 183122.1 | S |
| 125.550 | 0.0000 | 0.0000 | 82.683 | 0.03000 | 0.00000 | 319537.6 | 132081.8 | 183122.1 | S |
| 125.558 | 0.0000 | 0.0000 | 82.683 | 0.02999 | 0.00000 | 319537.6 | 132082.7 | 183122.1 | S |
| 125.567 | 0.0000 | 0.0000 | 82.683 | 0.02999 | 0.00000 | 319537.6 | 132083.6 | 183122.1 | S |
| 125.575 | 0.0000 | 0.0000 | 82.683 | 0.02999 | 0.00000 | 319537.6 | 132084.5 | 183122.1 | S |
| 125.583 | 0.0000 | 0.0000 | 82.683 | 0.02998 | 0.00000 | 319537.6 | 132085.4 | 183122.1 | S |
| 125.592 | 0.0000 | 0.0000 | 82.683 | 0.02998 | 0.00000 | 319537.6 | 132086.3 | 183122.1 | S |
| 125.600 | 0.0000 | 0.0000 | 82.682 | 0.02998 | 0.00000 | 319537.6 | 132087.2 | 183122.1 | S |
| 125.608 | 0.0000 | 0.0000 | 82.682 | 0.02997 | 0.00000 | 319537.6 | 132088.1 | 183122.1 | S |
| 125.617 | 0.0000 | 0.0000 | 82.682 | 0.02997 | 0.00000 | 319537.6 | 132089.0 | 183122.1 | S |
| 125.625 | 0.0000 | 0.0000 | 82.682 | 0.02996 | 0.00000 | 319537.6 | 132089.9 | 183122.1 | S |
| 125.633 | 0.0000 | 0.0000 | 82.682 | 0.02996 | 0.00000 | 319537.6 | 132090.8 | 183122.1 | S |
| 125.642 | 0.0000 | 0.0000 | 82.682 | 0.02996 | 0.00000 | 319537.6 | 132091.7 | 183122.1 | S |
| 125.650 | 0.0000 | 0.0000 | 82.682 | 0.02995 | 0.00000 | 319537.6 | 132092.6 | 183122.1 | S |
| 125.658 | 0.0000 | 0.0000 | 82.682 | 0.02995 | 0.00000 | 319537.6 | 132093.5 | 183122.1 | S |
| 125.667 | 0.0000 | 0.0000 | 82.681 | 0.02995 | 0.00000 | 319537.6 | 132094.4 | 183122.1 | S |
| 125.675 | 0.0000 | 0.0000 | 82.681 | 0.02994 | 0.00000 | 319537.6 | 132095.3 | 183122.1 | S |
| 125.683 | 0.0000 | 0.0000 | 82.681 | 0.02994 | 0.00000 | 319537.6 | 132096.2 | 183122.1 | S |
| 125.692 | 0.0000 | 0.0000 | 82.681 | 0.02994 | 0.00000 | 319537.6 | 132097.1 | 183122.1 | S |
| 125.700 | 0.0000 | 0.0000 | 82.681 | 0.02993 | 0.00000 | 319537.6 | 132098.0 | 183122.1 | S |
| 125.708 | 0.0000 | 0.0000 | 82.681 | 0.02993 | 0.00000 | 319537.6 | 132098.9 | 183122.1 | S |
| 125.717 | 0.0000 | 0.0000 | 82.681 | 0.02992 | 0.00000 | 319537.6 | 132099.8 | 183122.1 | S |
| 125.725 | 0.0000 | 0.0000 | 82.681 | 0.02992 | 0.00000 | 319537.6 | 132100.7 | 183122.1 | S |
| 125.733 | 0.0000 | 0.0000 | 82.680 | 0.02992 | 0.00000 | 319537.6 | 132101.6 | 183122.1 | S |
| 125.742 | 0.0000 | 0.0000 | 82.680 | 0.02991 | 0.00000 | 319537.6 | 132102.5 | 183122.1 | S |
| 125.750 | 0.0000 | 0.0000 | 82.680 | 0.02991 | 0.00000 | 319537.6 | 132103.4 | 183122.1 | S |
| 125.758 | 0.0000 | 0.0000 | 82.680 | 0.02991 | 0.00000 | 319537.6 | 132104.3 | 183122.1 | S |
| 125.767 | 0.0000 | 0.0000 | 82.680 | 0.02990 | 0.00000 | 319537.6 | 132105.2 | 183122.1 | S |
| 125.775 | 0.0000 | 0.0000 | 82.680 | 0.02990 | 0.00000 | 319537.6 | 132106.1 | 183122.1 | S |
| 125.783 | 0.0000 | 0.0000 | 82.680 | 0.02990 | 0.00000 | 319537.6 | 132107.0 | 183122.1 | S |
| 125.792 | 0.0000 | 0.0000 | 82.679 | 0.02989 | 0.00000 | 319537.6 | 132107.8 | 183122.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (fidday) | Stage Elevation (ft datum) | Infilitration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infilitration Volume ( $\mathrm{t}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | $\begin{aligned} & \text { Flow } \\ & \text { Type } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 125.800 | 0.0000 | 0.0000 | 82.679 | 0.02989 | 0.00000 | 319537.6 | 132108.8 | 183122.1 | S |
| 125.808 | 0.0000 | 0.0000 | 82.679 | 0.02988 | 0.00000 | 319537.6 | 132109.6 | 183122.1 | S |
| 125.817 | 0.0000 | 0.0000 | 82.679 | 0.02988 | 0.00000 | 319537.6 | 132110.5 | 183122.1 | S |
| 125.825 | 0.0000 | 0.0000 | 82.679 | 0.02988 | 0.00000 | 319537.6 | 132111.4 | 183122.1 | S |
| 125.833 | 0.0000 | 0.0000 | 82.679 | 0.02987 | 0.00000 | 319537.6 | 132112.3 | 183122.1 | S |
| 125.842 | 0.0000 | 0.0000 | 82.679 | 0.02987 | 0.00000 | 319537.6 | 132113.2 | 183122.1 | S |
| 125.850 | 0.0000 | 0.0000 | 82.679 | 0.02987 | 0.00000 | 319537.6 | 132114.1 | 183122.1 | S |
| 125.858 | 0.0000 | 0.0000 | 82.678 | 0.02986 | 0.00000 | 319537.6 | 132115.0 | 183122.1 | S |
| 125.867 | 0.0000 | 0.0000 | 82.678 | 0.02986 | 0.00000 | 319537.6 | 132115.9 | 183122.1 | S |
| 125.875 | 0.0000 | 0.0000 | 82.678 | 0.02986 | 0.00000 | 319537.6 | 132116.8 | 183122.1 | S |
| 125.883 | 0.0000 | 0.0000 | 82.678 | 0.02985 | 0.00000 | 319537.6 | 132117.7 | 183122.1 | S |
| 125.892 | 0.0000 | 0.0000 | 82.678 | 0.02985 | 0.00000 | 319537.6 | 132118.6 | 183122.1 | S |
| 125.900 | 0.0000 | 0.0000 | 82.678 | 0.02984 | 0.00000 | 319537.6 | 132119.5 | 183122.1 | S |
| 125.908 | 0.0000 | 0.0000 | 82.678 | 0.02984 | 0.00000 | 319537.6 | 132120.4 | 183122.1 | S |
| 125.917 | 0.0000 | 0.0000 | 82.678 | 0.02984 | 0.00000 | 319537.6 | 132121.3 | 183122.1 | S |
| 125.925 | 0.0000 | 0.0000 | 82.677 | 0.02983 | 0.00000 | 319537.6 | 132122.2 | 183122.1 | S |
| 125.933 | 0.0000 | 0.0000 | 82.677 | 0.02983 | 0.00000 | 319537.6 | 132123.1 | 183122.1 | S |
| 125.942 | 0.0000 | 0.0000 | 82.677 | 0.02983 | 0.00000 | 319537.6 | 132124.0 | 183122.1 | S |
| 125.950 | 0.0000 | 0.0000 | 82.677 | 0.02982 | 0.00000 | 319537.6 | 132124.9 | 183122.1 | S |
| 125.958 | 0.0000 | 0.0000 | 82.677 | 0.02982 | 0.00000 | 319537.6 | 132125.8 | 183122.1 | S |
| 125.967 | 0.0000 | 0.0000 | 82.677 | 0.02982 | 0.00000 | 319537.6 | 132126.7 | 183122.1 | S |
| 125.975 | 0.0000 | 0.0000 | 82.677 | 0.02981 | 0.00000 | 319537.6 | 132127.5 | 183122.1 | S |
| 125.983 | 0.0000 | 0.0000 | 82.677 | 0.02981 | 0.00000 | 319537.6 | 132128.4 | 183122.1 | S |
| 125.992 | 0.0000 | 0.0000 | 82.676 | 0.02980 | 0.00000 | 319537.6 | 132129.3 | 183122.1 | S |
| 126.000 | 0.0000 | 0.0000 | 82.676 | 0.02980 | 0.00000 | 319537.6 | 132130.2 | 183122.1 | S |
| 126.008 | 0.0000 | 0.0000 | 82.676 | 0.02980 | 0.00000 | 319537.6 | 132131.1 | 183122.1 | S |
| 126.017 | 0.0000 | 0.0000 | 82.676 | 0.02979 | 0.00000 | 319537.6 | 132132.0 | 183122.1 | S |
| 126.025 | 0.0000 | 0.0000 | 82.676 | 0.02979 | 0.00000 | 319537.6 | 132132.9 | 183122.1 | S |
| 126.033 | 0.0000 | 0.0000 | 82.676 | 0.02979 | 0.00000 | 379537.6 | 132133.8 | 183122.1 | S |
| 126.042 | 0.0000 | 0.0000 | 82.676 | 0.02978 | 0.00000 | 319537.6 | 132134.7 | 183122.1 | S |
| 126.050 | 0.0000 | 0.0000 | 82.675 | 0.02978 | 0.00000 | 319537.6 | 132135.6 | 183122.1 | S |
| 126.058 | 0.0000 | 0.0000 | 82.675 | 0.02978 | 0.00000 | 319537.6 | 132136.5 | 183122.1 | S |
| 126.067 | 0.0000 | 0.0000 | 82.675 | 0.02977 | 0.00000 | 319537.6 | 132137.4 | 183122.1 | S |
| 126.075 | 0.0000 | 0.0000 | 82.675 | 0.02977 | 0.00000 | 319537.6 | 132138.3 | 183122.1 | S |
| 126.083 | 0.0000 | 0.0000 | 82.675 | 0.02977 | 0.00000 | 319537.6 | 132139.2 | 183122.1 | S |
| 126.092 | 0.0000 | 0.0000 | 82.675 | 0.02976 | 0.00000 | 319537.6 | 132140.1 | 183122.1 | S |
| 126.100 | 0.0000 | 0.0000 | 82.675 | 0.02976 | 0.00000 | 319537.6 | 132141.0 | 183122.1 | S |
| 126.108 | 0.0000 | 0.0000 | 82.675 | 0.02975 | 0.00000 | 319537.6 | 132141.8 | 183122.1 | S |
| 126.117 | 0.0000 | 0.0000 | 82.674 | 0.02975 | 0.00000 | 319537.6 | 132142.7 | 183122.1 | S |
| 126.125 | 0.0000 | 0.0000 | 82.674 | 0.02975 | 0.00000 | 319537.6 | 132143.6 | 183122.1 | S |
| 126.133 | 0.0000 | 0.0000 | 82.674 | 0.02974 | 0.00000 | 319537.6 | 132144.5 | 183122.1 | S |
| 126.142 | 0.0000 | 0.0000 | 82.674 | 0.02974 | 0.00000 | 319537.6 | 132145.4 | 183122.1 | S |
| 126.150 | 0.0000 | 0.0000 | 82.674 | 0.02974 | 0.00000 | 319537.6 | 132146.3 | 183122.$\}$ | S |
| 126.158 | 0.0000 | 0.0000 | 82.674 | 0.02973 | 0.00000 | 319537.6 | 132147.2 | 183122.1 | S |
| 126.167 | 0.0000 | 0.0000 | 82.674 | 0.02973 | 0.00000 | 319537.6 | 132148.1 | 183122.1 | S |
| 126.175 | 0.0000 | 0.0000 | 82.674 | 0.02973 | 0.00000 | 319537.6 | 132149.0 | 183122.1 | S |
| 126.183 | 0.0000 | 0.0000 | 82.673 | 0.02972 | 0.00000 | 319537.6 | 132149.9 | 183122.1 | S |
| 126.192 | 0.0000 | 0.0000 | 82.673 | 0.02972 | 0.00000 | 319537.6 | 132150.8 | 183122.1 | S |
| 126.200 | 0.0000 | 0.0000 | 82.673 | 0.02971 | 0.00000 | 319537.6 | 132151.7 | 183122.1 | S |
| 126.208 | 0.0000 | 0.0000 | 82.673 | 0.02971 | 0.00000 | 319537.6 | 132152.5 | 183122.1 | S |
| 126.217 | 0.0000 | 0.0000 | 82.673 | 0.02971 | 0.00000 | 319537.6 | 132153.4 | 183122.1 | S |
| 126.225 | 0.0000 | 0.0000 | 82.673 | 0.02970 | 0.00000 | 319537.6 | 132154.3 | 183122.1 | S |
| 126.233 | 0.0000 | 0.0000 | 82.673 | 0.02970 | 0.00000 | 319537.6 | 132155.2 | 183122.1 | S |
| 126.242 | 0.0000 | 0.0000 | 82.673 | 0.02970 | 0.00000 | 319537.6 | 132156.1 | 183122.1 | S |
| 126.250 | 0.0000 | 0.0000 | 82.672 | 0.02969 | 0.00000 | 319537.6 | 132157.0 | 183122.1 | S |
| 126.258 | 0.0000 | 0.0000 | 82.672 | 0.02969 | 0.00000 | 319537.6 | 132157.9 | 183122.1 | S |
| 126.267 | 0.0000 | 0.0000 | 82.672 | 0.02969 | 0.00000 | 319537.6 | 132158.8 | 183122.1 | S |
| 126.275 | 0.0000 | 0.0000 | 82.672 | 0.02968 | 0.00000 | 319537.6 | 132159.7 | 183122.1 | S |
| 126.283 | 0.0000 | 0.0000 | 82.672 | 0.02968 | 0.00000 | 319537.6 | 132160.6 | 183122.1 | S |
| 126.292 | 0.0000 | 0.0000 | 82.672 | 0.02968 | 0.00000 | 319537.6 | 132161.5 | 183122.1 | S |
| 126.300 | 0.0000 | 0.0000 | 82.672 | 0.02967 | 0.00000 | 319537.6 | 132162.3 | 183122.1 | S |
| 126.308 | 0.0000 | 0.0000 | 82.671 | 0.02967 | 0.00000 | 319537.6 | 132163.2 | 183122.1 | S |
| 126.317 | 0.0000 | 0.0000 | 82.671 | 0.02966 | 0.00000 | 319537.6 | 132164.1 | 183122.1 | S |
| 126.325 | 0.0000 | 0.0000 | 82.671 | 0.02966 | 0.00000 | 319537.6 | 132165.0 | 183122.1 | S |
| 126.333 | 0.0000 | 0.0000 | 82.671 | 0.02966 | 0.00000 | 319537.6 | 132165.9 | 183122.1 | S |
| 126.342 | 0.0000 | 0.0000 | 82.671 | 0.02965 | 0.00000 | 319537.6 | 132166.8 | 183122.1 | S |
| 126.350 | 0.0000 | 0.0000 | 82.671 | 0.02965 | 0.00000 | 319537.6 | 132167.7 | 183122.1 | S |
| 126.358 | 0.0000 | 0.0000 | 82.671 | 0.02965 | 0.00000 | 319537.6 | 132168.6 | 183122.1 | S |
| \$26.367 | 0.0000 | 0.0000 | 82.671 | 0.02964 | 0.00000 | 319537.6 | 132169.5 | 183122.1 | S |
| \{26.375 | 0.0000 | 0.0000 | 82.670 | 0.02964 | 0.00000 | 319537.6 | 132170.4 | 183122.1 | S |
| 126.383 | 0.0000 | 0.0000 | 82.670 | 0.02964 | 0.00000 | 319537.6 | 132171.3 | 183122.1 | S |
| 126.392 | 0.0000 | 0.0000 | 82.670 | 0.02963 | 0.00000 | 319537.6 | 132172.1 | 183122.1 | S |
| 126.400 | 0.0000 | 0.0000 | 82.670 | 0.02963 | 0.00000 | 319537.6 | 132173.0 | 183122.1 | S |
| 126.408 | 0.0000 | 0.0000 | 82.670 | 0.02963 | 0.00000 | 319537.6 | 132173.9 | 183122.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 126.417 | 0.0000 | 0.0000 | 82.670 | 0.02962 | 0.00000 | 319537.6 | 132174.8 | 183122.1 | S |
| 126.425 | 0.0000 | 0.0000 | 82.670 | 0.02962 | 0.00000 | 319537.6 | 132175.7 | 183122.1 | S |
| 126.433 | 0.0000 | 0.0000 | 82.670 | 0.02961 | 0.00000 | 319537.6 | 132176.6 | 183122.1 | S |
| 128.442 | 0.0000 | 0.0000 | 82.669 | 0.02961 | 0.00000 | 319537.6 | 132177.5 | 183122.1 | S |
| 126.450 | 0.0000 | 0.0000 | 82.669 | 0.02961 | 0.00000 | 319537.6 | 132178.4 | 183122.1 | S |
| 126.458 | 0.0000 | 0.0000 | 82.669 | 0.02960 | 0.00000 | 319537.6 | 132179.3 | 183122.1 | S |
| 126.467 | 0.0000 | 0.0000 | 82.669 | 0.02960 | 0.00000 | 319537.6 | 132180.1 | 183122.1 | S |
| 126.475 | 0.0000 | 0.0000 | 82.669 | 0.02960 | 0.00000 | 319537.6 | 132181.0 | 183122.1 | S |
| 126.483 | 0.0000 | 0.0000 | 82.669 | 0.02959 | 0.00000 | 319537.6 | 132181.9 | 183122.1 | S |
| 126.492 | 0.0000 | 0.0000 | 82.669 | 0.02959 | 0.00000 | 319537.6 | 132182.8 | 183122.1 | S |
| 126.500 | 0.0000 | 0.0000 | 82.669 | 0.02959 | 0.00000 | 319537.6 | 132183.7 | 183122.1 | S |
| 126.508 | 0.0000 | 0.0000 | 82.668 | 0.02958 | 0.00000 | 319537.6 | 132184.6 | 183122.1 | S |
| 126.517 | 0.0000 | 0.0000 | 82.668 | 0.02958 | 0.00000 | 319537.6 | 132185.5 | 183122.1 | S |
| 126.525 | 0.0000 | 0.0000 | 82.668 | 0.02958 | 0.00000 | 319537.6 | 132186.3 | 183122.1 | S |
| 126.533 | 0.0000 | 0.0000 | 82.668 | 0.02957 | 0.00000 | 319537.6 | 132187.2 | 183122.1 | S |
| 126.542 | 0.0000 | 0.0000 | 82.668 | 0.02957 | 0.00000 | 319537.6 | 132188.1 | 183122.1 | S |
| 126.550 | 0.0000 | 0.0000 | 82.668 | 0.02956 | 0.00000 | 319537.6 | 132189.0 | 183122.1 | S |
| 126.558 | 0.0000 | 0.0000 | 82.668 | 0.02956 | 0.00000 | 319537.6 | 132189.9 | 183122.1 | S |
| 126.567 | 0.0000 | 0.0000 | 82.667 | 0.02956 | 0.00000 | 319537.6 | 132190.8 | 183122.1 | S |
| 126.575 | 0.0000 | 0.0000 | 82.667 | 0.02955 | 0.00000 | 319537.6 | 132191.7 | 183122.1 | S |
| 126.583 | 0.0000 | 0.0000 | 82.667 | 0.02955 | 0.00000 | 319537.6 | \$32192.5 | 183122.1 | S |
| 126.592 | 0.0000 | 0.0000 | 82.667 | 0.02955 | 0.00000 | 319537.6 | 132193.4 | 183122.1 | S |
| 126.600 | 0.0000 | 0.0000 | 82.667 | 0.02954 | 0.00000 | 319537.6 | 132194.3 | १83122.1 | S |
| 126.608 | 0.0000 | 0.0000 | 82.667 | 0.02954 | 0.00000 | 319537.6 | 132195.2 | 183122.1 | S |
| 126.617 | 0.0000 | 0.0000 | 82.667 | 0.02954 | 0.00000 | 319537.6 | 132196.1 | 183122.1 | S |
| 126.625 | 0.0000 | 0.0000 | 82.667 | 0.02953 | 0.00000 | 319537.6 | 132197.0 | 183122.1 | S |
| 126.633 | 0.0000 | 0.0000 | 82.666 | 0.02953 | 0.00000 | 319537.6 | 132197.9 | 183122.7 | S |
| 126.642 | 0.0000 | 0.0000 | 82.666 | 0.02953 | 0.00000 | 319537.6 | 132198.8 | 183122.1 | S |
| 126.650 | 0.0000 | 0.0000 | 82.666 | 0.02952 | 0.00000 | 319537.6 | 132199.6 | 183122.1 | S |
| 126.658 | 0.0000 | 0.0000 | 82.666 | 0.02952 | 0.00000 | 319537.6 | 132200.5 | 183122.1 | S |
| 126.667 | 0.0000 | 0.0000 | 82.666 | 0.02951 | 0.00000 | 319537.6 | 132201.4 | 183122.1 | S |
| 126.675 | 0.0000 | 0.0000 | 82.666 | 0.02951 | 0.00000 | 319537.6 | 132202.3 | 183122.1 | S |
| 126.683 | 0.0000 | 0.0000 | 82.666 | 0.02951 | 0.00000 | 319537.6 | 132203.2 | 183122.1 | S |
| 126.692 | 0.0000 | 0.0000 | 82.666 | 0.02950 | 0.00000 | 319537.6 | 132204.1 | 183122.1 | S |
| 126.700 | 0.0000 | 0.0000 | 82.665 | 0.02950 | 0.00000 | 319537.6 | 132205.0 | 183122.1 | S |
| 126.708 | 0.0000 | 0.0000 | 82.665 | 0.02950 | 0.00000 | 319537.6 | 132205.8 | 183122.1 | S |
| 126.717 | 0.0000 | 0.0000 | 82.665 | 0.02949 | 0.00000 | 319537.6 | 132206.7 | 183122.1 | S |
| 126.725 | 0.0000 | 0.0000 | 82.665 | 0.02949 | 0.00000 | 319537.6 | 132207.6 | 183122.1 | S |
| 126.733 | 0.0000 | 0.0000 | 82.665 | 0.02949 | 0.00000 | 319537.6 | 732208.5 | 183122.1 | S |
| 126.742 | 0.0000 | 0.0000 | 82.665 | 0.02948 | 0.00000 | 319537.6 | 132209.4 | 183122.1 | S |
| 126.750 | 0.0000 | 0.0000 | 82.665 | 0.02948 | 0.00000 | 319537.6 | 132210.3 | 183122.1 | S |
| 126.758 | 0.0000 | 0.0000 | 82.665 | 0.02948 | 0.00000 | 319537.6 | 132211.1 | 183122.1 | S |
| \$26.767 | 0.0000 | 0.0000 | 82.664 | 0.02947 | 0.00000 | 319537.6 | 132212.0 | 183122.1 | S |
| 126.775 | 0.0000 | 0.0000 | 82.664 | 0.02947 | 0.00000 | 319537.6 | 132212.9 | 183122.1 | S |
| 126.783 | 0.0000 | 0.0000 | 82.664 | 0.02946 | 0.00000 | 319537.6 | 132213.8 | 183122.1 | S |
| 126.792 | 0.0000 | 0.0000 | 82.664 | 0.02946 | 0.00000 | 319537.6 | 132214.7 | 183122.1 | S |
| 126.800 | 0.0000 | 0.0000 | 82.664 | 0.02946 | 0.00000 | 319537.6 | 132215.6 | 183122.1 | S |
| 126.808 | 0.0000 | 0.0000 | 82.664 | 0.02945 | 0.00000 | 319537.6 | 132216.5 | 183122.1 | S |
| 126.817 | 0.0000 | 0.0000 | 82.664 | 0.02945 | 0.00000 | 319537.6 | \{32217.3 | 183122.1 | S |
| 126.825 | 0.0000 | 0.0000 | 82.664 | 0.02945 | 0.00000 | 319537.6 | 132218.2 | 183122.1 | S |
| 126.833 | 0.0000 | 0.0000 | 82.663 | 0.02944 | 0.00000 | 319537.6 | 132219.1 | 183122.1 | S |
| 126.842 | 0.0000 | 0.0000 | 82.663 | 0.02944 | 0.00000 | 319537.6 | 132220.0 | 183122.1 | S |
| 126.850 | 0.0000 | 0.0000 | 82.663 | 0.02944 | 0.00000 | 319537.6 | 132220.9 | 183122.1 | S |
| 126.858 | 0.0000 | 0.0000 | 82.663 | 0.02943 | 0.00000 | 319537.6 | 132221.8 | 183122.1 | S |
| 126.867 | 0.0000 | 0.0000 | 82.663 | 0.02943 | 0.00000 | 319537.6 | 132222.6 | 183122.1 | S |
| 126.875 | 0.0000 | 0.0000 | 82.663 | 0.02943 | 0.00000 | 319537.6 | 132223.5 | \$83122.1 | S |
| 126.883 | 0.0000 | 0.0000 | 82.663 | 0.02942 | 0.00000 | 319537.6 | 132224.4 | 183122.1 | S |
| 126.892 | 0.0000 | 0.0000 | 82.662 | 0.02942 | 0.00000 | 319537.6 | 132225.3 | 183122.1 | S |
| 126.900 | 0.0000 | 0.0000 | 82.662 | 0.02942 | 0.00000 | 319537.6 | 132226.2 | 183122.1 | S |
| 126.908 | 0.0000 | 0.0000 | 82.662 | 0.02941 | 0.00000 | 319537.6 | 132227.0 | 183122.1 | S |
| \{26.917 | 0.0000 | 0.0000 | 82.662 | 0.02941 | 0.00000 | 319537.6 | 132227.9 | 183122.1 | S |
| 126.925 | 0.0000 | 0.0000 | 82.662 | 0.02940 | 0.00000 | 319537.6 | 132228.8 | 183122.1 | S |
| 126.933 | 0.0000 | 0.0000 | 82.662 | 0.02940 | 0.00000 | 319537.6 | 132229.7 | 183122.1 | S |
| 126.942 | 0.0000 | 0.0000 | 82.662 | 0.02940 | 0.00000 | 319537.6 | 132230.6 | 183122.1 | S |
| 126.950 | 0.0000 | 0.0000 | 82.662 | 0.02939 | 0.00000 | 319537.6 | 132231.5 | 183122.1 | S |
| 126.958 | 0.0000 | 0.0000 | 82.661 | 0.02939 | 0.00000 | 319537.6 | 132232.3 | 183122.1 | S |
| 126.967 | 0.0000 | 0.0000 | 82.661 | 0.02939 | 0.00000 | 319537.6 | 132233.2 | 183122.1 | S |
| 126.975 | 0.0000 | 0.0000 | 82.661 | 0.02938 | 0.00000 | 319537.6 | 132234.1 | 183122.1 | S |
| 126.983 | 0.0000 | 0.0000 | 82.661 | 0.02938 | 0.00000 | 319537.6 | 132235.0 | 183122.1 | S |
| 126.992 | 0.0000 | 0.0000 | 82.661 | 0.02938 | 0.00000 | 319537.6 | 132235.9 | 183122.1 | S |
| 127.000 | 0.0000 | 0.0000 | 82.661 | 0.02937 | 0.00000 | 319537.6 | 132236.8 | 183122.1 | S |
| 127.008 | 0.0000 | 0.0000 | 82.661 | 0.02937 | 0.00000 | 319537.6 | 132237.6 | 183122.1 | S |
| 127.017 | 0.0000 | 0.0000 | 82.661 | 0.02937 | 0.00000 | 319537.6 | 132238.5 | 183122.1 | S |
| 127.025 | 0.0000 | 0.0000 | 82.660 | 0.02936 | 0.00000 | 319537.6 | 132239.4 | 183122.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 127.033 | 0.0000 | 0.0000 | 82.660 | 0.02936 | 0.00000 | 319537.6 | 132240.3 | 183122.1 | S |
| 127.042 | 0.0000 | 0.0000 | 82.660 | 0.02936 | 0.00000 | 319537.6 | 132241.2 | 183122.1 | S |
| 127.050 | 0.0000 | 0.0000 | 82.660 | 0.02935 | 0.00000 | 319537.6 | 132242.0 | 183122.1 | S |
| 127.058 | 0.0000 | 0.0000 | 82.660 | 0.02935 | 0.00000 | 319537.6 | 132242.9 | 183122.1 | S |
| 127.067 | 0.0000 | 0.0000 | 82.660 | 0.02934 | 0.00000 | 319537.6 | 132243.8 | 183122.1 | S |
| 127.075 | 0.0000 | 0.0000 | 82.660 | 0.02934 | 0.00000 | 319537.6 | 132244.7 | 183122.1 | S |
| 127.083 | 0.0000 | 0.0000 | 82.660 | 0.02934 | 0.00000 | 319537.6 | 132245.5 | 183122.1 | S |
| 127.092 | 0.0000 | 0.0000 | 82.659 | 0.02933 | 0.00000 | 319537.6 | 132246.4 | 183122.1 | S |
| 127.100 | 0.0000 | 0.0000 | 82.659 | 0.02933 | 0.00000 | 319537.6 | 132247.3 | 183122.1 | S |
| 127.108 | 0.0000 | 0.0000 | 82.659 | 0.02933 | 0.00000 | 319537.6 | 132248.2 | 183122.1 | S |
| 127.117 | 0.0000 | 0.0000 | 82.659 | 0.02932 | 0.00000 | 319537.6 | 132249.1 | 183122.1 | S |
| 127.125 | 0.0000 | 0.0000 | 82.659 | 0.02932 | 0.00000 | 319537.6 | 132250.0 | 183122.1 | S |
| 127.133 | 0.0000 | 0.0000 | 82.659 | 0.02932 | 0.00000 | 319537.6 | 132250.8 | 183122.1 | S |
| 127.142 | 0.0000 | 0.0000 | 82.659 | 0.02931 | 0.00000 | 319537.6 | 132251.7 | 183122.1 | S |
| 127.150 | 0.0000 | 0.0000 | 82.659 | 0.02931 | 0.00000 | 319537.6 | 132252.6 | 183122.1 | S |
| 127.158 | 0.0000 | 0.0000 | 82.658 | 0.02931 | 0.00000 | 319537.6 | 132253.5 | 183122.1 | S |
| 127.167 | 0.0000 | 0.0000 | 82.658 | 0.02930 | 0.00000 | 319537.6 | 132254.3 | 183122. | S |
| 127.175 | 0.0000 | 0.0000 | 82.658 | 0.02930 | 0.00000 | 319537.6 | 132255.2 | 183122.1 | S |
| 127.183 | 0.0000 | 0.0000 | 82.658 | 0.02930 | 0.00000 | 319537.6 | 132256.1 | 183122.1 | S |
| 127.192 | 0.0000 | 0.0000 | 82.658 | 0.02929 | 0.00000 | 319537.6 | 132257.0 | 183122.1 | S |
| 127.200 | 0.0000 | 0.0000 | 82.658 | 0.02929 | 0.00000 | 319537.6 | 132257.9 | 183122.1 | S |
| 127.208 | 0.0000 | 0.0000 | 82.658 | 0.02928 | 0.00000 | 319537.6 | 132258.7 | 183122.1 | S |
| 127.217 | 0.0000 | 0.0000 | 82.657 | 0.02928 | 0.00000 | 319537.6 | 132259.6 | 183122.1 | S |
| 127.225 | 0.0000 | 0.0000 | 82.657 | 0.02928 | 0.00000 | 319537.6 | 132260.5 | 183122.1 | S |
| 127.233 | 0.0000 | 0.0000 | 82.657 | 0.02927 | 0.00000 | 319537.6 | 132261.4 | 183122.1 | S |
| 127.242 | 0.0000 | 0.0000 | 82.657 | 0.02927 | 0.00000 | 319537.6 | 132262.3 | 183122.1 | S |
| 127.250 | 0.0000 | 0.0000 | 82.657 | 0.02927 | 0.00000 | 319537.6 | 132263.1 | 183122.1 | S |
| 127.258 | 0.0000 | 0.0000 | 82.657 | 0.02926 | 0.00000 | 319537.6 | 132264.0 | 183122.1 | S |
| 127.267 | 0.0000 | 0.0000 | 82.657 | 0.02926 | 0.00000 | 319537.6 | 132264.9 | 183122.1 | S |
| 127.275 | 0.0000 | 0.0000 | 82.657 | 0.02926 | 0.00000 | 319537.6 | 132265.8 | 183122.1 | S |
| 127.283 | 0.0000 | 0.0000 | 82.656 | 0.02925 | 0.00000 | 319537.6 | 132266.6 | 183122.1 | S |
| 127.292 | 0.0000 | 0.0000 | 82.656 | 0.02925 | 0.00000 | 319537.6 | 132267.5 | 183122.1 | S |
| 127.300 | 0.0000 | 0.0000 | 82.656 | 0.02925 | 0.00000 | 319537.6 | 132268.4 | 183122.4 | S |
| 127.308 | 0.0000 | 0.0000 | 82.656 | 0.02924 | 0.00000 | 319537.6 | 132269.3 | 183122.1 | S |
| 127.317 | 0.0000 | 0.0000 | 82.656 | 0.02924 | 0.00000 | 319537.6 | 132270.2 | 183122.1 | S |
| 127.325 | 0.0000 | 0.0000 | 82.656 | 0.02924 | 0.00000 | 319537.6 | 132271.0 | 183122.1 | S |
| 127.333 | 0.0000 | 0.0000 | 82.656 | 0.02923 | 0.00000 | 319537.6 | 132271.9 | 183122.1 | S |
| 127.342 | 0.0000 | 0.0000 | 82.656 | 0.02923 | 0.00000 | 319537.6 | 132272.8 | 183122.1 | S |
| 127.350 | 0.0000 | 0.0000 | 82.655 | 0.02922 | 0.00000 | 319537.6 | 132273.7 | 183122.1 | S |
| 127.358 | 0.0000 | 0.0000 | 82.655 | 0.02922 | 0.00000 | 319537.6 | 132274.5 | 183122.1 | S |
| 127.367 | 0.0000 | 0.0000 | 82.655 | 0.02922 | 0.00000 | 319537.6 | 132275.4 | 183122.1 | S |
| 127.375 | 0.0000 | 0.0000 | 82.655 | 0.02921 | 0.00000 | 319537.6 | 132276.3 | 183122.1 | S |
| 127.383 | 0.0000 | 0.0000 | 82.655 | 0.02921 | 0.00000 | 319537.6 | 132277.2 | 183122.1 | S |
| 127.392 | 0.0000 | 0.0000 | 82.655 | 0.02921 | 0.00000 | 319537.6 | 132278.0 | 183122.1 | S |
| 127.400 | 0.0000 | 0.0000 | 82.655 | 0.02920 | 0.00000 | 319537.6 | 132278.9 | 183122.1 | S |
| 127.408 | 0.0000 | 0.0000 | 82.655 | 0.02920 | 0.00000 | 319537.6 | 132279.8 | 183122.1 | S |
| 127.417 | 0.0000 | 0.0000 | 82.654 | 0.02920 | 0.00000 | 319537.6 | 132280.7 | 183122.1 | S |
| 127.425 | 0.0000 | 0.0000 | 82.654 | 0.02919 | 0.00000 | 319537.6 | 132281.5 | 183122.1 | S |
| 127.433 | 0.0000 | 0.0000 | 82.654 | 0.02919 | 0.00000 | 319537.6 | 132282.4 | 183122.1 | S |
| 127.442 | 0.0000 | 0.0000 | 82.654 | 0.02919 | 0.00000 | 319537.6 | 132283.3 | 183122.1 | S |
| 127.450 | 0.0000 | 0.0000 | 82.654 | 0.02918 | 0.00000 | 319537.6 | 132284.2 | 183122.1 | S |
| 127.458 | 0.0000 | 0.0000 | 82.654 | 0.02918 | 0.00000 | 319537.6 | 132285.0 | 183122.1 | S |
| 127.467 | 0.0000 | 0.0000 | 82.654 | 0.02918 | 0.00000 | 319537.6 | 132285.9 | $183 \uparrow 22.1$ | S |
| 127.475 | 0.0000 | 0.0000 | 82.654 | 0.02917 | 0.00000 | 319537.6 | 132286.8 | 183122.1 | S |
| 127.483 | 0.0000 | 0.0000 | 82.653 | 0.02917 | 0.00000 | 319537.6 | 132287.7 | 783122.1 | S |
| 127.492 | 0.0000 | 0.0000 | 82.653 | 0.02917 | 0.00000 | 319537.6 | 132288.5 | 183122.1 | S |
| 127.500 | 0.0000 | 0.0000 | 82.653 | 0.02916 | 0.00000 | 319537.6 | 132289.4 | 183122.1 | S |
| 127.508 | 0.0000 | 0.0000 | 82.653 | 0.02916 | 0.00000 | 319537.6 | 132290.3 | 183122.1 | S |
| 127.517 | 0.0000 | 0.0000 | 82.653 | 0.02915 | 0.00000 | 319537.6 | 132291.2 | 183122.1 | S |
| 127.525 | 0.0000 | 0.0000 | 82.653 | 0.02915 | 0.00000 | 319537.6 | 132292.0 | 183122.1 | S |
| 127.533 | 0.0000 | 0.0000 | 82.653 | 0.02915 | 0.00000 | 319537.6 | 132292.9 | 183122.1 | S |
| 127.542 | 0.0000 | 0.0000 | 82.653 | 0.02914 | 0.00000 | 319537.6 | 132293.8 | 183122.1 | S |
| 127.550 | 0.0000 | 0.0000 | 82.652 | 0.02914 | 0.00000 | 319537.6 | 132294.7 | 183122.1 | S |
| 127.558 | 0.0000 | 0.0000 | 82.652 | 0.02914 | 0.00000 | 319537.6 | 132295.5 | 183122.1 | S |
| 127.567 | 0.0000 | 0.0000 | 82.652 | 0.02913 | 0.00000 | 319537.6 | 132296.4 | 183122.1 | S |
| 127.575 | 0.0000 | 0.0000 | 82.652 | 0.02913 | 0.00000 | 319537.6 | 132297.3 | 183122.1 | S |
| 127.583 | 0.0000 | 0.0000 | 82.652 | 0.02913 | 0.00000 | 319537.6 | 132298.2 | 183122.1 | S |
| 127.592 | 0.0000 | 0.0000 | 82.652 | 0.02912 | 0.00000 | 319537.6 | 132299.0 | 183122.1 | S |
| 127.600 | 0.0000 | 0.0000 | 82.652 | 0.02912 | 0.00000 | 319537.6 | 132299.9 | 183122.1 | S |
| 127.608 | 0.0000 | 0.0000 | 82.651 | 0.02912 | 0.00000 | 319537.6 | 132300.8 | 183122.1 | S |
| 127.617 | 0.0000 | 0.0000 | 82.651 | 0.02911 | 0.00000 | 319537.6 | 132301.7 | 183122.1 | S |
| 127.625 | 0.0000 | 0.0000 | 82.651 | 0.02911 | 0.00000 | 319537.6 | 132302.5 | 183122.1 | S |
| 127.633 | 0.0000 | 0.0000 | 82.651 | 0.02911 | 0.00000 | 319537.6 | 132303.4 | 183122.1 | S |
| 127.642 | 0.0000 | 0.0000 | 82.651 | 0.02910 | 0.00000 | 319537.6 | 132304.3 | 183122.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation ( ft datum) | Infilitration Rate ( $\mathrm{ft}^{3 / 5}$ ) | Overflow Discharge ( $\mathrm{f}^{3 / 5}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume (ft ${ }^{3}$ ) | Fiow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 127.650 | 0.0000 | 0.0000 | 82.651 | 0.02910 | 0.00000 | 319537.6 | 132305.2 | 183122.1 | S |
| 127.658 | 0.0000 | 0.0000 | 82.651 | 0.02910 | . 0.00000 | 319537.6 | 132306.0 | 183122.1 | S |
| 127.667 | 0.0000 | 0.0000 | 82.651 | 0.02909 | 0.00000 | 319537.6 | 132306.9 | 183122.1 | S |
| 127.675 | 0.0000 | 0.0000 | 82.650 | 0.02909 | 0.00000 | 319537.6 | 132307.8 | 183122.1 | S |
| 127.683 | 0.0000 | 0.0000 | 82.650 | 0.02909 | 0.00000 | 319537.6 | 132308.6 | 183122.1 | S |
| \{27.692 | 0.0000 | 0.0000 | 82.650 | 0.02908 | 0.00000 | 319537.6 | 132309.5 | 183122.1 | S |
| 127.700 | 0.0000 | 0.0000 | 82.650 | 0.02908 | 0.00000 | 319537.6 | 132310.4 | 483122.1 | S |
| 127.708 | 0.0000 | 0.0000 | 82.650 | 0.02907 | 0.00000 | 319537.6 | 132311.3 | 183122.1 | S |
| 127.717 | 0.0000 | 0.0000 | 82.650 | 0.02907 | 0.00000 | 319537.6 | 132312.1 | 183122.1 | S |
| 127.725 | 0.0000 | 0.0000 | 82.650 | 0.02907 | 0.00000 | 319537.6 | 132313.0 | 183122.1 | S |
| 127.733 | 0.0000 | 0.0000 | 82.650 | 0.02906 | 0.00000 | 319537.6 | 132313.9 | 183122.1 | S |
| 127.742 | 0.0000 | 0.0000 | 82.649 | 0.02906 | 0.00000 | 319537.6 | 132314.8 | 183122.1 | S |
| 127.750 | 0.0000 | 0.0000 | 82.649 | 0.02906 | 0.00000 | 319537.6 | 132315.6 | 183122.1 | S |
| 127.758 | 0.0000 | 0.0000 | 82.649 | 0.02905 | 0.00000 | 319537.6 | 132316.5 | 183122.1 | S |
| 127.767 | 0.0000 | 0.0000 | 82.649 | 0.02905 | 0.00000 | 319537.6 | 132317.4 | 183122.1 | S |
| 127.775 | 0.0000 | 0.0000 | 82.649 | 0.02905 | 0.00000 | 319537.6 | 132318.2 | 183122.1 | S |
| 127.783 | 0.0000 | 0.0000 | 82.649 | 0.02904 | 0.00000 | 319537.6 | 132319.1 | 183122.1 | S |
| 127.792 | 0.0000 | 0.0000 | 82.649 | 0.02904 | 0.00000 | 319537.6 | 132320.0 | 183122.1 | S |
| 127.800 | 0.0000 | 0.0000 | 82.649 | 0.02904 | 0.00000 | 319537.6 | 132320.9 | 183122.1 | S |
| 127.808 | 0.0000 | 0.0000 | 82.648 | 0.02903 | 0.00000 | 319537.6 | 132321.7 | $183 \uparrow 22.1$ | S |
| 127.817 | 0.0000 | 0.0000 | 82.648 | 0.02903 | 0.00000 | 319537.6 | 132322.6 | 183122.1 | S |
| 127.825 | 0.0000 | 0.0000 | 82.648 | 0.02903 | 0.00000 | 319537.6 | 132323.5 | 183122.1 | S |
| 127.833 | 0.0000 | 0.0000 | 82.648 | 0.02902 | 0.00000 | 319537.6 | 132324.3 | 183122.1 | S |
| 127.842 | 0.0000 | 0.0000 | 82.648 | 0.02902 | 0.00000 | 319537.6 | 132325.2 | 183122.1 | S |
| 127.850 | 0.0000 | 0.0000 | 82.648 | 0.02902 | 0.00000 | 319537.6 | 132326.1 | 783122.1 | S |
| 127.858 | 0.0000 | 0.0000 | 82.648 | 0.02901 | 0.00000 | 319537.6 | 132327.0 | 183122.1 | S |
| 127.867 | 0.0000 | 0.0000 | 82.648 | 0.02901 | 0.00000 | 319537.6 | 132327.8 | 183122.1 | S |
| 127.875 | 0.0000 | 0.0000 | 82.647 | 0.02901 | 0.00000 | 319537.6 | 132328.7 | 183122.1 | S |
| 127.883 | 0.0000 | 0.0000 | 82.647 | 0.02900 | 0.00000 | 319537.6 | 132329.6 | 183122.1 | S |
| 127.892 | 0.0000 | 0.0000 | 82.647 | 0.02900 | 0.00000 | 319537.6 | 132330.4 | 183122.1 | S |
| 127.900 | 0.0000 | 0.0000 | 82.647 | 0.02899 | 0.00000 | 319537.6 | 132331.3 | 183122.1 | S |
| \$27.908 | 0.0000 | 0.0000 | 82.647 | 0.02899 | 0.00000 | 319537.6 | 132332.2 | 183122.1 | S |
| \$27.917 | 0.0000 | 0.0000 | 82.647 | 0.02899 | 0.00000 | 319537.6 | 132333.0 | 183122.1 | S |
| \$27.925 | 0.0000 | 0.0000 | 82.647 | 0.02898 | 0.00000 | 319537.6 | 132333.9 | 183122.1 | S |
| 127.933 | 0.0000 | 0.0000 | 82.647 | 0.02898 | 0.00000 | 319537.6 | 132334.8 | 183122.1 | S |
| 127.942 | 0.0000 | 0.0000 | 82.646 | 0.02898 | 0.00000 | 319537.6 | 132335.6 | 183122.1 | 5 |
| 127.950 | 0.0000 | 0.0000 | 82.646 | 0.02897 | 0.00000 | 319537.6 | 132336.5 | 183122.1 | S |
| 127.958 | 0.0000 | 0.0000 | 82.646 | 0.02897 | 0.00000 | 319537.6 | 132337.4 | 183122.1 | S |
| 127.967 | 0.0000 | 0.0000 | 82.646 | 0.02897 | 0.00000 | 319537.6 | 132338.3 | 183122.1 | S |
| 127.975 | 0.0000 | 0.0000 | 82.646 | 0.02896 | 0.00000 | 319537.6 | 132339.1 | 183122.1 | S |
| 127.983 | 0.0000 | 0.0000 | 82.646 | 0.02896 | 0.00000 | 319537.6 | 132340.0 | 183122.1 | S |
| 127.992 | 0.0000 | 0.0000 | 82.646 | 0.02896 | 0.00000 | 319537.6 | 132340.9 | 183122.1 | S |
| 128.000 | 0.0000 | 0.0000 | 82.646 | 0.02895 | 0.00000 | 319537.6 | 132341.7 | 183122.1 | S |
| 128.008 | 0.0000 | 0.0000 | 82.645 | 0.02895 | 0.00000 | 319537.6 | 132342.6 | 183122.1 | S |
| 128.017 | 0.0000 | 0.0000 | 82.645 | 0.02895 | 0.00000 | 319537.6 | 132343.5 | 183122.1 | S |
| 128.025 | 0.0000 | 0.0000 | 82.645 | 0.02894 | 0.00000 | 319537.6 | 132344.3 | 183122.1 | S |
| 128.033 | 0.0000 | 0.0000 | 82.645 | 0.02894 | 0.00000 | 319537.6 | 132345.2 | 183122.1 | S |
| 128.042 | 0.0000 | 0.0000 | 82.645 | 0.02894 | 0.00000 | 319537.6 | 132346.1 | 183122.1 | S |
| 128.050 | 0.0000 | 0.0000 | 82.645 | 0.02893 | 0.00000 | 319537.6 | 132346.9 | 183122.1 | S |
| 128.058 | 0.0000 | 0.0000 | 82.645 | 0.02893 | 0.00000 | 319537.6 | 132347.8 | 183122.1 | S |
| 128.067 | 0.0000 | 0.0000 | 82.645 | 0.02893 | 0.00000 | 319537.6 | 132348.7 | 183122.1 | S |
| 128.075 | 0.0000 | 0.0000 | 82.644 | 0.02892 | 0.00000 | 319537.6 | 132349.5 | 183122.1 | S |
| 128.083 | 0.0000 | 0.0000 | 82.644 | 0.02892 | 0.00000 | 319537.6 | 132350.4 | 183122.1 | S |
| 128.092 | 0.0000 | 0.0000 | 82.644 | 0.02892 | 0.00000 | 319537.6 | 132351.3 | 183122.1 | S |
| 128.100 | 0.0000 | 0.0000 | 82.644 | 0.02891 | 0.00000 | 319537.6 | 132352.1 | 183122.1 | S |
| 128.108 | 0.0000 | 0.0000 | 82.644 | 0.02891 | 0.00000 | 319537.6 | 132353.0 | 183122.1 | S |
| 128.117 | 0.0000 | 0.0000 | 82.644 | 0.02890 | 0.00000 | 319537.6 | 132353.9 | 183122.1 | S |
| 128.125 | 0.0000 | 0.0000 | 82.644 | 0.02890 | 0.00000 | 319537.6 | 132354.8 | 183122.1 | S |
| 128.133 | 0.0000 | 0.0000 | 82.644 | 0.02890 | 0.00000 | 319537.6 | 132355.6 | 183122.1 | S |
| 128.142 | 0.0000 | 0.0000 | 82.643 | 0.02889 | 0.00000 | 319537.6 | 132356.5 | 183122.1 | S |
| 128.150 | 0.0000 | 0.0000 | 82.643 | 0.02889 | 0.00000 | 319537.6 | 132357.3 | 183122.1 | S |
| 128.158 | 0.0000 | 0.0000 | 82.643 | 0.02889 | 0.00000 | 319537.6 | 132358.2 | 183122.1 | S |
| 128.167 | 0.0000 | 0.0000 | 82.643 | 0.02888 | 0.00000 | 319537.6 | 132359.1 | 183122.1 | S |
| 128.175 | 0.0000 | 0.0000 | 82.643 | 0.02888 | 0.00000 | 319537.6 | 132360.0 | 183122.1 | S |
| 128.183 | 0.0000 | 0.0000 | 82.643 | 0.02888 | 0.00000 | 319537.6 | 132360.8 | 183122.1 | S |
| 128.192 | 0.0000 | 0.0000 | 82.643 | 0.02887 | 0.00000 | 319537.6 | 132361.7 | 183122.1 | S |
| 128.200 | 0.0000 | 0.0000 | 82.642 | 0.02887 | 0.00000 | 319537.6 | 132362.5 | 183122.1 | S |
| 128.208 | 0.0000 | 0.0000 | 82.642 | 0.02887 | 0.00000 | 319537.6 | 132363.4 | 183122.1 | S |
| 128.217 | 0.0000 | 0.0000 | 82.642 | 0.02886 | 0.00000 | 319537.6 | 132364.3 | 183122.1 | S |
| 128.225 | 0.0000 | 0.0000 | 82.642 | 0.02886 | 0.00000 | 319537.6 | 132365.1 | 183122.1 | S |
| 128.233 | 0.0000 | 0.0000 | 82.642 | 0.02886 | 0.00000 | 319537.6 | 132366.0 | 183122.1 | S |
| 128.242 | 0.0000 | 0.0000 | 82.642 | 0.02885 | 0.00000 | 319537.6 | 132366.9 | 183122.1 | S |
| 128.250 | 0.0000 | 0.0000 | 82.642 | 0.02885 | 0.00000 | 319537.6 | 132367.7 | 183122.1 | S |
| 128.258 | 0.0000 | 0.0000 | 82.642 | 0.02885 | 0.00000 | 319537.6 | 132368.6 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{f}^{3 / 3} \mathrm{~s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{fl}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 128.267 | 0.0000 | 0.0000 | 82.641 | 0.02884 | 0.00000 | 319537.6 | 132369.5 | 183122.1 | S |
| 128.275 | 0.0000 | 0.0000 | 82.641 | 0.02884 | 0.00000 | 319537.6 | 132370.3 | 183122.1 | S |
| 128.283 | 0.0000 | 0.0000 | 82.641 | 0.02884 | 0.00000 | 319537.6 | 132371.2 | 183122.1 | S |
| 128.292 | 0.0000 | 0.0000 | 82,641 | 0.02883 | 0.00000 | 319537.6 | 132372.1 | 183122.1 | S |
| 128.300 | 0.0000 | 0.0000 | 82.641 | 0.02883 | 0.00000 | 319537.6 | 132372.9 | 183122.1 | S |
| 128.308 | 0.0000 | 0.0000 | 82.641 | 0.02883 | 0.00000 | 319537.6 | 132373.8 | 183122.1 | S |
| 128.317 | 0.0000 | 0.0000 | 82.641 | 0.02882 | 0.00000 | 319537.6 | 132374.7 | 183122.1 | S |
| 128.325 | 0.0000 | 0.0000 | 82.641 | 0.02882 | 0.00000 | 319537.6 | 132375.5 | 183122.1 | S |
| 128.333 | 0.0000 | 0.0000 | 82.640 | 0.02882 | 0.00000 | 319537.6 | 132376.4 | 183122.1 | S |
| 128.342 | 0.0000 | 0.0000 | 82.640 | 0.02881 | 0.00000 | 319537.6 | 132377.3 | 183122.1 | S |
| 128.350 | 0.0000 | 0.0000 | 82.640 | 0.02881 | 0.00000 | 319537.6 | 132378.1 | 183122.1 | S |
| 128.358 | 0.0000 | 0.0000 | 82.640 | 0.02881 | 0.00000 | 319537.6 | 132379.0 | 183122.1 | S |
| 128.367 | 0.0000 | 0.0000 | 82.640 | 0.02880 | 0.00000 | 319537.6 | 132379.8 | 183122.1 | S |
| 128.375 | 0.0000 | 0.0000 | 82.640 | 0.02880 | 0.00000 | 319537.6 | 132380.7 | 183122.1 | S |
| 128.383 | 0.0000 | 0.0000 | 82.640 | 0.02879 | 0.00000 | $3 ¢ 9537.6$ | 132381.6 | 183122.1 | S |
| 128.392 | 0.0000 | 0.0000 | 82.640 | 0.02879 | 0.00000 | 319537.6 | 132382.4 | 183122.1 | S |
| 128.400 | 0.0000 | 0.0000 | 82.639 | 0.02879 | 0.00000 | 319537.6 | 132383.3 | 183122.1 | S |
| 128.408 | 0.0000 | 0.0000 | 82.639 | 0.02878 | 0.00000 | 319537.6 | 132384.2 | ¢83122.1 | S |
| 128.417 | 0.0000 | 0.0000 | 82.639 | 0.02878 | 0.00000 | 319537.6 | 132385.0 | 183122.1 | S |
| 128.425 | 0.0000 | 0.0000 | 82.639 | 0.02878 | 0.00000 | 319537.6 | 132385.9 | 183122.1 | S |
| 128.433 | 0.0000 | 0.0000 | 82.639 | 0.02877 | 0.00000 | 319537.6 | 132386.8 | 183122.1 | S |
| 128.442 | 0.0000 | 0.0000 | 82.639 | 0.02877 | 0.00000 | 319537.6 | 132387.6 | 183122.1 | S |
| 128.450 | 0.0000 | 0.0000 | 82.639 | 0.02877 | 0.00000 | 319537.6 | 132388.5 | 183122.1 | S |
| 128.458 | 0.0000 | 0.0000 | 82.639 | 0.02876 | 0.00000 | 319537.6 | 132389.3 | 183122.1 | S |
| 128.467 | 0.0000 | 0.0000 | 82.638 | 0.02876 | 0.00000 | 319537.6 | 132390.2 | 183122.1 | S |
| 128.475 | 0.0000 | 0.0000 | 82.638 | 0.02876 | 0.00000 | 319537.6 | 132391.1 | 183122.1 | S |
| 128.483 | 0.0000 | 0.0000 | 82.638 | 0.02875 | 0.00000 | 319537.6 | 132391.9 | 183122.1 | S |
| 128.492 | 0.0000 | 0.0000 | 82.638 | 0.02875 | 0.00000 | 319537.6 | 132392.8 | 183122.1 | S |
| 128.500 | 0.0000 | 0.0000 | 82.638 | 0.02875 | 0.00000 | 319537.6 | 132393.7 | 183122.1 | S |
| 128.508 | 0.0000 | 0.0000 | 82.638 | 0.02874 | 0.00000 | 319537.6 | 132394.5 | 183122.1 | S |
| 128.517 | 0.0000 | 0.0000 | 82.638 | 0.02874 | 0.00000 | 319537.6 | 132395.4 | 183122.1 | S |
| 128.525 | 0.0000 | 0.0000 | 82.638 | 0.02874 | 0.00000 | 319537.6 | 132396.3 | 183122.1 | S |
| 128.533 | 0.0000 | 0.0000 | 82.637 | 0.02873 | 0.00000 | 319537.6 | 132397.1 | 183122.1 | S |
| 128.542 | 0.0000 | 0.0000 | 82.637 | 0.02873 | 0.00000 | 319537.6 | 132398.0 | 183122.1 | S |
| 128.550 | 0.0000 | 0.0000 | 82.637 | 0.02873 | 0.00000 | 319537.6 | 132398.8 | 183122.1 | S |
| 128.558 | 0.0000 | 0.0000 | 82.637 | 0.02872 | 0.00000 | 319537.6 | 132399.7 | 183122.1 | S |
| 128.567 | 0.0000 | 0.0000 | 82.637 | 0.02872 | 0.00000 | 319537.6 | 132400.5 | 183122.1 | S |
| 128.575 | 0.0000 | 0.0000 | 82.637 | 0.02872 | 0.00000 | 319537.6 | 132401.4 | 183122.1 | S |
| 128.583 | 0.0000 | 0.0000 | 82.637 | 0.02871 | 0.00000 | 319537.6 | 132402.3 | 183122.1 | S |
| 128.592 | 0.0000 | 0.0000 | 82.637 | 0.02871 | 0.00000 | 319537.6 | 132403.1 | 183122.7 | S |
| 128.600 | 0.0000 | 0.0000 | 82.636 | 0.02871 | 0.00000 | 319537.6 | 132404.0 | 183122.1 | S |
| 128.608 | 0.0000 | 0.0000 | 82.636 | 0.02870 | 0.00000 | 319537.6 | 132404.9 | 183122.1 | S |
| 128.617 | 0.0000 | 0.0000 | 82.636 | 0.02870 | 0.00000 | 319537.6 | 132405.7 | 183122.1 | S |
| 128.625 | 0.0000 | 0.0000 | 82.636 | 0.02870 | 0.00000 | 319537.6 | 132406.6 | 183122.1 | S |
| 128.633 | 0.0000 | 0.0000 | 82.636 | 0.02869 | 0.00000 | 319537.6 | 132407.4 | 183122.1 | S |
| 128.642 | 0.0000 | 0.0000 | 82.636 | 0.02869 | 0.00000 | 319537.6 | 132408.3 | 183122.1 | S |
| 128.650 | 0.0000 | 0.0000 | 82.636 | 0.02869 | 0.00000 | 319537.6 | 132409.2 | 183122.1 | S |
| 128.658 | 0.0000 | 0.0000 | 82.636 | 0.02868 | 0.00000 | 319537.6 | 132410.0 | 183122.1 | S |
| 128.667 | 0.0000 | 0.0000 | 82.635 | 0.02868 | 0.00000 | 319537.6 | 132410.9 | 183122.1 | S |
| 128.675 | 0.0000 | 0.0000 | 82.635 | 0.02867 | 0.00000 | 319537.6 | 132411.8 | 183122.1 | S |
| 128.683 | 0.0000 | 0.0000 | 82.635 | 0.02867 | 0.00000 | 319537.6 | 132412.6 | 183122.1 | S |
| 128.692 | 0.0000 | 0.0000 | 82.635 | 0.02867 | 0.00000 | 319537.6 | 132413.5 | 183122.1 | S |
| 128.700 | 0.0000 | 0.0000 | 82.635 | 0.02866 | 0.00000 | 319537.6 | 132414.3 | 183122.1 | S |
| 128.708 | 0.0000 | 0.0000 | 82.635 | 0.02866 | 0.00000 | 319537.6 | 132415.2 | 783122.1 | S |
| 128.717 | 0.0000 | 0.0000 | 82.635 | 0.02866 | 0.00000 | 319537.6 | 132416.0 | 183122.1 | S |
| 128.725 | 0.0000 | 0.0000 | 82.635 | 0.02865 | 0.00000 | 319537.6 | 132416.9 | 183122.1 | S |
| 128.733 | 0.0000 | 0.0000 | 82.634 | 0.02865 | 0.00000 | 319537.6 | 132417.8 | 183122.1 | S |
| 128.742 | 0.0000 | 0.0000 | 82.634 | 0.02865 | 0.00000 | 319537.6 | 132418.6 | 183122.1 | S |
| 128.750 | 0.0000 | 0.0000 | 82.634 | 0.02864 | 0.00000 | 319537.6 | 132419.5 | 183122.1 | S |
| 128.758 | 0.0000 | 0.0000 | 82.634 | 0.02864 | 0.00000 | 319537.6 | 132420.3 | 183122.1 | S |
| 128.767 | 0.0000 | 0.0000 | 82.634 | 0.02864 | 0.00000 | 319537.6 | 132421.2 | 183122.1 | S |
| 128.775 | 0.0000 | 0.0000 | 82.634 | 0.02863 | 0.00000 | 319537.6 | 132422.1 | 183122.1 | S |
| 128.783 | 0.0000 | 0.0000 | 82.634 | 0.02863 | 0.00000 | 319537.6 | 132422.9 | 183122.1 | S |
| 128.792 | 0.0000 | 0.0000 | 82.634 | 0.02863 | 0.00000 | 319537.6 | 132423.8 | 183122.1 | S |
| 128.800 | 0.0000 | 0.0000 | 82.633 | 0.02862 | 0.00000 | 319537.6 | 132424.6 | 183122.1 | S |
| 128.808 | 0.0000 | 0.0000 | 82.633 | 0.02862 | 0.00000 | 319537.6 | 132425.5 | 183122.1 | S |
| 128.817 | 0.0000 | 0.0000 | 82.633 | 0.02862 | 0.00000 | 319537.6 | 132426.4 | 183122.1 | S |
| 128.825 | 0.0000 | 0.0000 | 82.633 | 0.02861 | 0.00000 | 319537.6 | 132427.2 | 183122.1 | S |
| 128.833 | 0.0000 | 0.0000 | 82.633 | 0.02861 | 0.00000 | 319537.6 | 132428.1 | 183122.1 | S |
| 128.842 | 0.0000 | 0.0000 | 82.633 | 0.02861 | 0.00000 | 319537.6 | 132428.9 | 183122.1 | S |
| 128.850 | 0.0000 | 0.0000 | 82.633 | 0.02860 | 0.00000 | 319537.6 | 132429.8 | 183122.1 | S |
| 128.858 | 0.0000 | 0.0000 | 82.633 | 0.02860 | 0.00000 | 319537.6 | 132430.6 | 183122.1 | S |
| 128.867 | 0.0000 | 0.0000 | 82.632 | 0.02860 | 0.00000 | 319537.6 | 132431.5 | 183122.1 | S |
| 128.875 | 0.0000 | 0.0000 | 82.632 | 0.02859 | 0.00000 | 319537.6 | 132432.4 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infitration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{T}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 128.883 | 0.0000 | 0.0000 | 82.632 | 0.02859 | 0.00000 | 319537.6 | 132433.2 | 183122.1 | S |
| 128.892 | 0.0000 | 0.0000 | 82.632 | 0.02859 | 0.00000 | 319537.6 | 132434.1 | 183122.1 | S |
| 128.900 | 0.0000 | 0.0000 | 82.632 | 0.02858 | 0.00000 | 319537.6 | 132434.9 | 183122.1 | S |
| 128.908 | 0.0000 | 0.0000 | 82.632 | 0.02858 | 0.00000 | 319537.6 | 132435.8 | 183122.1 | S |
| 128.917 | 0.0000 | 0.0000 | 82.632 | 0.02858 | 0.00000 | 319537.6 | 132436.7 | 183122.1 | S |
| 128.925 | 0.0000 | 0.0000 | 82.632 | 0.02857 | 0.00000 | 319537.6 | 132437.5 | 183122.1 | S |
| 128.933 | 0.0000 | 0.0000 | 82.631 | 0.02857 | 0.00000 | 319537.6 | 132438.4 | 183122.1 | S |
| 128.942 | 0.0000 | 0.0000 | 82.631 | 0.02857 | 0.00000 | 319537.6 | 132439.2 | 183122.1 | S |
| 128.950 | 0.0000 | 0.0000 | 82.631 | 0.02856 | 0.00000 | 319537.6 | 132440.1 | 183122.1 | S |
| 128.958 | 0.0000 | 0.0000 | 82.631 | 0.02856 | 0.00000 | 319537.6 | 132440.9 | 183122.1 | S |
| 128.967 | 0.0000 | 0.0000 | 82.631 | 0.02856 | 0.00000 | 319537.6 | 132441.8 | 183122.1 | S |
| 128.975 | 0.0000 | 0.0000 | 82.631 | 0.02855 | 0.00000 | 319537.6 | 132442.6 | 183122.1 | S |
| 128.983 | 0.0000 | 0.0000 | 82.631 | 0.02855 | 0.00000 | 319537.6 | 132443.5 | 183122.1 | S |
| 128.992 | 0.0000 | 0.0000 | 82.631 | 0.02855 | 0.00000 | 319537.6 | 132444.4 | 183122.1 | S |
| 129.000 | 0.0000 | 0.0000 | 82.630 | 0.02854 | 0.00000 | 319537.6 | 132445.2 | 183122.1 | S |
| 129.008 | 0.0000 | 0.0000 | 82.630 | 0.02854 | 0.00000 | 319537.6 | 132446.1 | 183122.1 | S |
| 129.017 | 0.0000 | 0.0000 | 82.630 | 0.02854 | 0.00000 | 319537.6 | 132446.9 | 183122.1 | S |
| 129.025 | 0.0000 | 0.0000 | 82.630 | 0.02853 | 0.00000 | 319537.6 | 132447.8 | 183122.1 | S |
| 129.033 | 0.0000 | 0.0000 | 82.630 | 0.02853 | 0.00000 | 319537.6 | 132448.6 | 183122.1 | S |
| 129.042 | 0.0000 | 0.0000 | 82.630 | 0.02853 | 0.00000 | 319537.6 | 132449.5 | 183122.1 | S |
| 129.050 | 0.0000 | 0.0000 | 82.630 | 0.02852 | 0.00000 | 319537.6 | 132450.4 | 183122.1 | S |
| 129.058 | 0.0000 | 0.0000 | 82.630 | 0.02852 | 0.00000 | 319537.6 | 132451.2 | 183122.1 | S |
| 129.067 | 0.0000 | 0.0000 | 82.629 | 0.02852 | 0.00000 | 319537.6 | 132452.1 | 183122.1 | S |
| 129.075 | 0.0000 | 0.0000 | 82.629 | 0.02851 | 0.00000 | 319537.6 | 132452.9 | 183122.1 | S |
| 129.083 | 0.0000 | 0.0000 | 82.629 | 0.02851 | 0.00000 | 319537.6 | 132453.8 | 183122.1 | S |
| 129.092 | 0.0000 | 0.0000 | 82.629 | 0.02851 | 0.00000 | 319537.6 | 132454.6 | 183122.1 | S |
| 129.100 | 0.0000 | 0.0000 | 82.629 | 0.02850 | 0.00000 | 319537.6 | 132455.5 | 183122.1 | S |
| 129.108 | 0.0000 | 0.0000 | 82.629 | 0.02850 | 0.00000 | 319537.6 | 132456.3 | 183122.1 | S |
| 129.117 | 0.0000 | 0.0000 | 82.629 | 0.02850 | 0.00000 | 319537.6 | 132457.2 | 183122.1 | S |
| 129.125 | 0.0000 | 0.0000 | 82.629 | 0.02849 | 0.00000 | 319537.6 | 132458.0 | 183122.1 | S |
| 129.133 | 0.0000 | 0.0000 | 82.628 | 0.02849 | 0.00000 | 319537.6 | 132458.9 | 183122.1 | S |
| 129.142 | 0.0000 | 0.0000 | 82.628 | 0.02848 | 0.00000 | 319537.6 | 132459.8 | 183122.1 | S |
| 129.150 | 0.0000 | 0.0000 | 82.628 | 0.02848 | 0.00000 | 319537.6 | 132460.6 | 183122.1 | S |
| 129.158 | 0.0000 | 0.0000 | 82.628 | 0.02848 | 0.00000 | 319537.6 | 132461.5 | 183122.1 | S |
| 129.167 | 0.0000 | 0.0000 | 82.628 | 0.02847 | 0.00000 | 319537.6 | 132462.3 | 183122.1 | S |
| 129.175 | 0.0000 | 0.0000 | 82.628 | 0.02847 | 0.00000 | 319537.6 | 132463.2 | 183122.1 | S |
| 129.183 | 0.0000 | 0.0000 | 82.628 | 0.02847 | 0.00000 | 319537.6 | 132464.0 | 183122.1 | S |
| 129.192 | 0.0000 | 0.0000 | 82.628 | 0.02846 | 0.00000 | 319537.6 | 132464.9 | 183122.1 | S |
| 129.200 | 0.0000 | 0.0000 | 82.627 | 0.02846 | 0.00000 | 319537.6 | 132465.7 | 183122.1 | S |
| 129.208 | 0.0000 | 0.0000 | 82.627 | 0.02846 | 0.00000 | 319537.6 | 132466.6 | 183122.1 | S |
| 129.217 | 0.0000 | 0.0000 | 82.627 | 0.02845 | 0.00000 | 319537.6 | 132467.5 | 183122.1 | S |
| 129.225 | 0.0000 | 0.0000 | 82.627 | 0.02845 | 0.00000 | 319537.6 | 132468.3 | 183122.1 | S |
| 129.233 | 0.0000 | 0.0000 | 82.627 | 0.02845 | 0.00000 | 319537.6 | 132469.2 | 183122.1 | S |
| 129.242 | 0.0000 | 0.0000 | 82.627 | 0.02844 | 0.00000 | 319537.6 | 132470.0 | 183122.1 | S |
| 129.250 | 0.0000 | 0.0000 | 82.627 | 0.02844 | 0.00000 | 319537.6 | 132470.9 | 183122.1 | S |
| 129.258 | 0.0000 | 0.0000 | 82.627 | 0.02844 | 0.00000 | 319537.6 | 132471.7 | 183122.1 | S |
| 129.267 | 0.0000 | 0.0000 | 82.626 | 0.02843 | 0.00000 | 319537.6 | 132472.6 | 183122.1 | S |
| 129.275 | 0.0000 | 0.0000 | 82.626 | 0.02843 | 0.00000 | 319537.6 | 132473.4 | 183122.1 | S |
| 129.283 | 0.0000 | 0.0000 | 82.626 | 0.02843 | 0.00000 | 319537.6 | 132474.3 | 183122.1 | S |
| 129.292 | 0.0000 | 0.0000 | 82.626 | 0.02842 | 0.00000 | 319537.6 | 132475.1 | 183122.1 | S |
| 129.300 | 0.0000 | 0.0000 | 82.626 | 0.02842 | 0.00000 | 319537.6 | 132476.0 | 183122.1 | S |
| 129.308 | 0.0000 | 0.0000 | 82.626 | 0.02842 | 0.00000 | 319537.6 | 132476.8 | 183122.1 | S |
| 129.317 | 0.0000 | 0.0000 | 82.626 | 0.02841 | 0.00000 | 319537.6 | 132477.7 | 183122.1 | S |
| 129.325 | 0.0000 | 0.0000 | 82.626 | 0.02841 | 0.00000 | 319537.6 | 132478.5 | 183122.1 | S |
| 129.333 | 0.0000 | 0.0000 | 82.625 | 0.02841 | 0.00000 | 319537.6 | 132479.4 | 183122.1 | S |
| 129.342 | 0.0000 | 0.0000 | 82.625 | 0.02840 | 0.00000 | 319537.6 | 132480.2 | 183122.1 | S |
| 129.350 | 0.0000 | 0.0000 | 82.625 | 0.02840 | 0.00000 | 319537.6 | 132481.1 | 183122.1 | S |
| 129.358 | 0.0000 | 0.0000 | 82.625 | 0.02840 | 0.00000 | 319537.6 | 132481.9 | 183122.1 | S |
| 129.367 | 0.0000 | 0.0000 | 82.625 | 0.02839 | 0.00000 | 319537.6 | 132482.8 | 183122.1 | S |
| 129.375 | 0.0000 | 0.0000 | 82.625 | 0.02839 | 0.00000 | 319537.6 | 132483.6 | 183122.1 | S |
| 129.383 | 0.0000 | 0.0000 | 82.625 | 0.02839 | 0.00000 | 319537.6 | 132484.5 | 183122.1 | S |
| 129.392 | 0.0000 | 0.0000 | 82.625 | 0.02838 | 0.00000 | 319537.6 | 132485.3 | 183122.1 | S |
| 129.400 | 0.0000 | 0.0000 | 82.624 | 0.02838 | 0.00000 | 319537.6 | 132486.2 | 183122.1 | S |
| 129.408 | 0.0000 | 0.0000 | 82.624 | 0.02838 | 0.00000 | 319537.6 | 132487.0 | 183122.1 | S |
| $\$ 29.417$ | 0.0000 | 0.0000 | 82.624 | 0.02837 | 0.00000 | 319537.6 | 132487.9 | 183122.1 | S |
| 129.425 | 0.0000 | 0.0000 | 82.624 | 0.02837 | 0.00000 | 319537.6 | 132488.8 | 183122.1 | S |
| 129.433 | 0.0000 | 0.0000 | 82.624 | 0.02837 | 0.00000 | 319537.6 | 132489.6 | 183122.1 | S |
| 129.442 | 0.0000 | 0.0000 | 82.624 | 0.02836 | 0.00000 | 319537.6 | 132490.5 | 183122.1 | S |
| 129.450 | 0.0000 | 0.0000 | 82.624 | 0.02836 | 0.00000 | 319537.6 | 132491.3 | 183122.1 | S |
| 129.458 | 0.0000 | 0.0000 | 82.624 | 0.02836 | 0.00000 | 319537.6 | 132492.2 | 183122.1 | S |
| 129.467 | 0.0000 | 0.0000 | 82.623 | 0.02835 | 0.00000 | 319537.6 | 132493.0 | 183122.1 | S |
| 129.475 | 0.0000 | 0.0000 | 82.623 | 0.02835 | 0.00000 | 319537.6 | 132493.9 | 183122.1 | S |
| 129.483 | 0.0000 | 0.0000 | 82.623 | 0.02835 | 0.00000 | 319537.6 | 132494.7 | 183122.1 | S |
| 129.492 | 0.0000 | 0.0000 | 82.623 | 0.02834 | 0.00000 | 319537.6 | 132495.6 | 183122.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{fl}^{3 / \mathrm{s}}$ ) | Outside Recharge (f/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ff}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{fr}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 129.500 | 0.0000 | 0.0000 | 82.623 | 0.02834 | 0.00000 | 319537.6 | 132496.4 | 183122.1 | S |
| 129.508 | 0.0000 | 0.0000 | 82.623 | 0.02834 | 0.00000 | 319537.6 | 132497.3 | 183122.1 | S |
| 129.517 | 0.0000 | 0.0000 | 82.623 | 0.02833 | 0.00000 | 319537.6 | 132498.1 | 183122.1 | S |
| 129.525 | 0.0000 | 0.0000 | 82.623 | 0.02833 | 0.00000 | 319537.6 | 132499.0 | 183122.1 | S |
| 129.533 | 0.0000 | 0.0000 | 82.622 | 0.02833 | 0.00000 | 319537.6 | 132499.8 | 183122.1 | S |
| 129.542 | 0.0000 | 0.0000 | 82.622 | 0.02832 | 0.00000 | 319537.6 | 132500.7 | 183122.1 | S |
| 129.550 | 0.0000 | 0.0000 | 82.622 | 0.02832 | 0.00000 | 319537.6 | 132501.5 | 183122.1 | S |
| 129.558 | 0.0000 | 0.0000 | 82.622 | 0.02832 | 0.00000 | 319537.6 | 132502.4 | 183122.1 | S |
| 129.567 | 0.0000 | 0.0000 | 82.622 | 0.02831 | 0.00000 | 319537.6 | 132503.2 | 183122.1 | S |
| 129.575 | 0.0000 | 0.0000 | 82.622 | 0.02831 | 0.00000 | 319537.6 | 132504.1 | 183122.1 | S |
| 129.583 | 0.0000 | 0.0000 | 82.622 | 0.02831 | 0.00000 | 319537.6 | 132504.9 | 183122.1 | S |
| 129.592 | 0.0000 | 0.0000 | 82.622 | 0.02830 | 0.00000 | 319537.6 | 132505.8 | 183122.1 | S |
| 129.600 | 0.0000 | 0.0000 | 82.621 | 0.02830 | 0.00000 | 319537.6 | 132506.6 | 183122.1 | S |
| 129.608 | 0.0000 | 0.0000 | 82.621 | 0.02830 | 0.00000 | 319537.6 | 132507.5 | 183122.1 | S |
| 129.617 | 0.0000 | 0.0000 | 82.621 | 0.02829 | 0.00000 | 319537.6 | 132508.3 | 183122.1 | S |
| 129.625 | 0.0000 | 0.0000 | 82.621 | 0.02829 | 0.00000 | 319537.6 | 132509.2 | 183122.1 | S |
| 129.633 | 0.0000 | 0.0000 | 82.621 | 0.02829 | 0.00000 | 319537.6 | 132510.0 | 183122.1 | S |
| 129.642 | 0.0000 | 0.0000 | 82.621 | 0.02828 | 0.00000 | 319537.6 | 132510.8 | 183122.1 | S |
| 129.650 | 0.0000 | 0.0000 | 82.621 | 0.02828 | 0.00000 | 319537.6 | 132511.7 | 183122.1 | S |
| 129.658 | 0.0000 | 0.0000 | 82.621 | 0.02828 | 0.00000 | 319537.6 | 132512.5 | 183122.1 | S |
| 129.667 | 0.0000 | 0.0000 | 82.620 | 0.02827 | 0.00000 | 319537.6 | 132513.4 | 183122.1 | S |
| 129.675 | 0.0000 | 0.0000 | 82.620 | 0.02827 | 0.00000 | 319537.6 | 132514.3 | 183122.1 | S |
| 129.683 | 0.0000 | 0.0000 | 82.620 | 0.02827 | 0.00000 | 319537.6 | 132515.1 | 183122.1 | S |
| 129.692 | 0.0000 | 0.0000 | 82.620 | 0.02826 | 0.00000 | 319537.6 | 132515.9 | 183122.1 | S |
| 129.700 | 0.0000 | 0.0000 | 82.620 | 0.02826 | 0.00000 | 319537.6 | 132516.8 | 183122.1 | S |
| 129.708 | 0.0000 | 0.0000 | 82.620 | 0.02826 | 0.00000 | 319537.6 | 132517.6 | 183122.1 | S |
| 129.717 | 0.0000 | 0.0000 | 82.620 | 0.02825 | 0.00000 | 319537.6 | 132518.5 | 183122.1 | S |
| 129.725 | 0.0000 | 0.0000 | 82.620 | 0.02825 | 0.00000 | 319537.6 | 132519.3 | 183122.1 | S |
| 129.733 | 0.0000 | 0.0000 | 82.619 | 0.02825 | 0.00000 | 319537.6 | 132520.2 | 183122.1 | S |
| 129.742 | 0.0000 | 0.0000 | 82.619 | 0.02824 | 0.00000 | 319537.6 | 132521.0 | 183122.1 | S |
| 129.750 | 0.0000 | 0.0000 | 82.619 | 0.02824 | 0.00000 | 319537.6 | 132521.9 | 183122.1 | S |
| 129.758 | 0.0000 | 0.0000 | 82.619 | 0.02824 | 0.00000 | 319537.6 | 132522.7 | 183122.1 | S |
| 129.767 | 0.0000 | 0.0000 | 82.619 | 0.02823 | 0.00000 | 319537.6 | 132523.6 | 183122.1 | S |
| 129.775 | 0.0000 | 0.0000 | 82.619 | 0.02823 | 0.00000 | 319537.6 | 132524.4 | 183122.1 | S |
| 129.783 | 0.0000 | 0.0000 | 82.619 | 0.02823 | 0.00000 | 319537.6 | 132525.3 | 183122.1 | S |
| 129.792 | 0.0000 | 0.0000 | 82.619 | 0.02822 | 0.00000 | 319537.6 | 132526.1 | 183122.1 | S |
| 129.800 | 0.0000 | 0.0000 | 82.618 | 0.02822 | 0.00000 | 319537.6 | 132527.0 | 183122.1 | S |
| 129.808 | 0.0000 | 0.0000 | 82.618 | 0.02822 | 0.00000 | 319537.6 | 132527.8 | 183122.1 | S |
| 129.817 | 0.0000 | 0.0000 | 82.618 | 0.02821 | 0.00000 | 319537.6 | 132528.6 | 183122.1 | S |
| 129.825 | 0.0000 | 0.0000 | 82.618 | 0.02821 | 0.00000 | 319537.6 | 132529.5 | 183122.1 | S |
| 129.833 | 0.0000 | 0.0000 | 82.618 | 0.02821 | 0.00000 | 319537.6 | 132530.3 | 183122.1 | S |
| 129.842 | 0.0000 | 0.0000 | 82.618 | 0.02820 | 0.00000 | 319537.6 | 132531.2 | $183\{22.1$ | S |
| 129.850 | 0.0000 | 0.0000 | 82.618 | 0.02820 | 0.00000 | 319537.6 | 132532.0 | 183122.1 | S |
| 129.858 | 0.0000 | 0.0000 | 82.618 | 0.02820 | 0.00000 | 319537.6 | 132532.9 | 183122.1 | S |
| 129.867 | 0.0000 | 0.0000 | 82.617 | 0.02819 | 0.00000 | 319537.6 | 132533.7 | 183122.1 | S |
| 129.875 | 0.0000 | 0.0000 | 82.617 | 0.02819 | 0.00000 | 319537.6 | 132534.6 | 183122.1 | S |
| 129.883 | 0.0000 | 0.0000 | 82.617 | 0.02819 | 0.00000 | 319537.6 | 132535.4 | 183122.1 | S |
| 129.892 | 0.0000 | 0.0000 | 82.617 | 0.02818 | 0.00000 | 319537.6 | 132536.3 | 183122.1 | S |
| 129.900 | 0.0000 | 0.0000 | 82.617 | 0.02818 | 0.00000 | 319537.6 | 132537.1 | 183122.1 | S |
| 129.908 | 0.0000 | 0.0000 | 82.617 | 0.02818 | 0.00000 | 319537.6 | 132538.0 | 183122.4 | S |
| 129.917 | 0.0000 | 0.0000 | 82.617 | 0.02817 | 0.00000 | 319537.6 | 132538.8 | 183122.1 | S |
| 129.925 | 0.0000 | 0.0000 | 82.617 | 0.02817 | 0.00000 | 319537.6 | 132539.6 | 183122.1 | S |
| 129.933 | 0.0000 | 0.0000 | 82.616 | 0.02817 | 0.00000 | 319537.6 | 132540.5 | 183122.1 | S |
| 129.942 | 0.0000 | 0.0000 | 82.616 | 0.02816 | 0.00000 | 319537.6 | 132541.3 | 183122.1 | S |
| 129.950 | 0.0000 | 0.0000 | 82.616 | 0.02816 | 0.00000 | 319537.6 | 132542.2 | 183122.1 | S |
| 129.958 | 0.0000 | 0.0000 | 82.616 | 0.02816 | 0.00000 | 319537.6 | 132543.0 | 183122.1 | S |
| 129.967 | 0.0000 | 0.0000 | 82.616 | 0.02815 | 0.00000 | 319537.6 | 132543.9 | 183122.1 | S |
| 129.975 | 0.0000 | 0.0000 | 82.616 | 0.02815 | 0.00000 | 319537.6 | 132544.7 | 183122.1 | S |
| 129.983 | 0.0000 | 0.0000 | 82.616 | 0.02815 | 0.00000 | 319537.6 | 132545.6 | 183122.1 | S |
| 129.992 | 0.0000 | 0.0000 | 82.616 | 0.02814 | 0.00000 | 319537.6 | 132546.4 | 183122.1 | S |
| 130.000 | 0.0000 | 0.0000 | 82.615 | 0.02814 | 0.00000 | 319537.6 | 132547.3 | 183122.1 | S |
| 130.008 | 0.0000 | 0.0000 | 82.615 | 0.02814 | 0.00000 | 319537.6 | 132548.1 | 183122.1 | S |
| 130.017 | 0.0000 | 0.0000 | 82.615 | 0.02813 | 0.00000 | 319537.6 | 132548.9 | 183122.1 | S |
| 130.025 | 0.0000 | 0.0000 | 82.615 | 0.02813 | 0.00000 | 319537.6 | 132549.8 | 183122.1 | S |
| 130.033 | 0.0000 | 0.0000 | 82.615 | 0.02813 | 0.00000 | 319537.6 | 132550.6 | 183122.1 | S |
| 130.042 | 0.0000 | 0.0000 | 82.615 | 0.02812 | 0.00000 | 319537.6 | 132551.5 | 183122.1 | S |
| 130.050 | 0.0000 | 0.0000 | 82.615 | 0.02812 | 0.00000 | 319537.6 | 132552.3 | 183122.1 | S |
| 130.058 | 0.0000 | 0.0000 | 82.615 | 0.02812 | 0.00000 | 319537.6 | 132553.2 | 183122.1 | S |
| 130.067 | 0.0000 | 0.0000 | 82.614 | 0.02811 | 0.00000 | 319537.6 | 132554.0 | 183122.1 | S |
| 130.075 | 0.0000 | 0.0000 | 82.614 | 0.02811 | 0.00000 | 319537.6 | 132554.8 | 183122.1 | S |
| 130.083 | 0.0000 | 0.0000 | 82.614 | 0.02811 | 0.00000 | 319537.6 | 132555.7 | 183122.1 | S |
| 130.092 | 0.0000 | 0.0000 | 82.614 | 0.02810 | 0.00000 | 319537.6 | 132556.5 | 183122.1 | S |
| \$30.100 | 0.0000 | 0.0000 | 82.614 | 0.02810 | 0.00000 | 319537.6 | 132557.4 | 183122.1 | S |
| 130.108 | 0.0000 | 0.0000 | 82.614 | 0.02810 | 0.00000 | 319537.6 | 132558.2 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate (ft3/s) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 130.117 | 0.0000 | 0.0000 | 82.614 | 0.02809 | 0.00000 | 319537.6 | 132559.0 | 183122.1 | S |
| 130.125 | 0.0000 | 0.0000 | 82.614 | 0.02809 | 0.00000 | 319537.6 | 132559.9 | 183122.1 | S |
| 130.133 | 0.0000 | 0.0000 | 82.613 | 0.02809 | 0.00000 | 319537.6 | 132560.7 | 183122.1 | S |
| 130.142 | 0.0000 | 0.0000 | 82.613 | 0.02808 | 0.00000 | 319537.6 | 132561.6 | 183122.1 | S |
| 130.150 | 0.0000 | 0.0000 | 82.613 | 0.02808 | 0.00000 | 319537.6 | 132562.4 | 183122.1 | S |
| 130.158 | 0.0000 | 0.0000 | 82.613 | 0.02808 | 0.00000 | 319537.6 | 132563.3 | 183122.1 | S |
| 130.167 | 0.0000 | 0.0000 | 82.613 | 0.02807 | 0.00000 | 319537.6 | 132564.1 | 183122.1 | S |
| 130.175 | 0.0000 | 0.0000 | 82.613 | 0.02807 | 0.00000 | 319537.6 | 132565.0 | 183122.1 | S |
| 130.183 | 0.0000 | 0.0000 | 82.613 | 0.02807 | 0.00000 | 319537.6 | 132565.8 | 183122.1 | S |
| 130.192 | 0.0000 | 0.0000 | 82.613 | 0.02806 | 0.00000 | 319537.6 | 132566.6 | 183122.1 | S |
| 130.200 | 0.0000 | 0.0000 | 82.612 | 0.02806 | 0.00000 | 319537.6 | 132567.5 | 183122.1 | S |
| 130.208 | 0.0000 | 0.0000 | 82.612 | 0.02806 | 0.00000 | 319537.6 | 132568.3 | 183122.1 | S |
| 130.217 | 0.0000 | 0.0000 | 82.612 | 0.02805 | 0.00000 | 319537.6 | 132569.2 | 183122.1 | S |
| 130.225 | 0.0000 | 0.0000 | 82.612 | 0.02805 | 0.00000 | 319537.6 | 132570.0 | 183122.1 | S |
| 130.233 | 0.0000 | 0.0000 | 82.612 | 0.02805 | 0.00000 | 319537.6 | 132570.8 | 183422.1 | S |
| 130.242 | 0.0000 | 0.0000 | 82.612 | 0.02804 | 0.00000 | 319537.6 | 132571.7 | 183122.1 | S |
| 130.250 | 0.0000 | 0.0000 | 82.612 | 0.02804 | 0.00000 | 319537.6 | 132572.5 | 183122.1 | S |
| 130.258 | 0.0000 | 0.0000 | 82.612 | 0.02804 | 0.00000 | 319537.6 | 132573.4 | 183122.1 | S |
| 130.267 | 0.0000 | 0.0000 | 82.611 | 0.02803 | 0.00000 | 319537.6 | 132574.2 | 183122.1 | S |
| 130.275 | 0.0000 | 0.0000 | 82.611 | 0.02803 | 0.00000 | 319537.6 | 132575.0 | 183122.1 | S |
| 130.283 | 0.0000 | 0.0000 | 82.611 | 0.02803 | 0.00000 | 319537.6 | 132575.9 | 183122.1 | S |
| 130.292 | 0.0000 | 0.0000 | 82.611 | 0.02802 | 0.00000 | 319537.6 | 132576.7 | 183122.1 | S |
| 130.300 | 0.0000 | 0.0000 | 82.611 | 0.02802 | 0.00000 | 319537.6 | 132577.6 | 183122.1 | S |
| 130.308 | 0.0000 | 0.0000 | 82.611 | 0.02802 | 0.00000 | 319537.6 | 132578.4 | 183122.1 | S |
| 130.317 | 0.0000 | 0.0000 | 82.611 | 0.02801 | 0.00000 | 319537.6 | 132579.3 | 183122.1 | S |
| 130.325 | 0.0000 | 0.0000 | 82.611 | 0.02801 | 0.00000 | 319537.6 | 132580.1 | 183122.1 | S |
| 130.333 | 0.0000 | 0.0000 | 82.611 | 0.02801 | 0.00000 | 319537.6 | 132580.9 | 183122.1 | S |
| 130.342 | 0.0000 | 0.0000 | 82.610 | 0.02800 | 0.00000 | 319537.6 | 132581.8 | 183122.1 | S |
| 130.350 | 0.0000 | 0.0000 | 82.610 | 0.02800 | 0.00000 | 319537.6 | 132582.6 | 183122.1 | S |
| 130.358 | 0.0000 | 0.0000 | 82.610 | 0.02800 | 0.00000 | 319537.6 | 132583.5 | 183122.1 | S |
| 130.367 | 0.0000 | 0.0000 | 82.610 | 0.02799 | 0.00000 | 319537.6 | 132584.3 | 183122.1 | S |
| 130.375 | 0.0000 | 0.0000 | 82.610 | 0.02799 | 0.00000 | 319537.6 | 132585.1 | 183122.1 | S |
| 130.383 | 0.0000 | 0.0000 | 82.610 | 0.02799 | 0.00000 | 319537.6 | 132586.0 | 183122.1 | S |
| 130.392 | 0.0000 | 0.0000 | 82.610 | 0.02799 | 0.00000 | 319537.6 | 132586.8 | 183122.1 | S |
| 130.400 | 0.0000 | 0.0000 | 82.610 | 0.02798 | 0.00000 | 319537.6 | 132587.7 | 183122.1 | S |
| 130.408 | 0.0000 | 0.0000 | 82.609 | 0.02798 | 0.00000 | 319537.6 | 132588.5 | 183122.1 | S |
| 130.417 | 0.0000 | 0.0000 | 82.609 | 0.02798 | 0.00000 | 319537.6 | 132589.3 | 183122.1 | S |
| 130.425 | 0.0000 | 0.0000 | 82.609 | 0.02797 | 0.00000 | 319537.6 | 132590.2 | 183122.1 | S |
| 130.433 | 0.0000 | 0.0000 | 82.609 | 0.02797 | 0.00000 | 319537.6 | 132591.0 | 183122.1 | S |
| 130.442 | 0.0000 | 0.0000 | 82.609 | 0.02797 | 0.00000 | 319537.6 | 132591.8 | 183122.1 | S |
| 130.450 | 0.0000 | 0.0000 | 82.609 | 0.02796 | 0.00000 | 319537.6 | 132592.7 | 183122.1 | S |
| 130.458 | 0.0000 | 0.0000 | 82.609 | 0.02796 | 0.00000 | 319537.6 | 132593.5 | 183122.1 | S |
| 130.467 | 0.0000 | 0.0000 | 82.609 | 0.02796 | 0.00000 | 319537.6 | 132594.4 | 183122.1 | S |
| 130.475 | 0.0000 | 0.0000 | 82.608 | 0.02795 | 0.00000 | 319537.6 | 132595.2 | 183122.1 | S |
| 130.483 | 0.0000 | 0.0000 | 82.608 | 0.02795 | 0.00000 | 319537.6 | 132596.0 | 183122.1 | S |
| 130.492 | 0.0000 | 0.0000 | 82.608 | 0.02795 | 0.00000 | 319537.6 | 132596.9 | 183122.1 | S |
| 130.500 | 0.0000 | 0.0000 | 82.608 | 0.02794 | 0.00000 | 319537.6 | 132597.7 | 183122.1 | S |
| 130.508 | 0.0000 | 0.0000 | 82.608 | 0.02794 | 0.00000 | 319537.6 | 132598.6 | 183122.1 | S |
| 130.517 | 0.0000 | 0.0000 | 82.608 | 0.02794 | 0.00000 | 319537.6 | 132599.4 | 183122.1 | S |
| 130.525 | 0.0000 | 0.0000 | 82.608 | 0.02793 | 0.00000 | 319537.6 | 132600.2 | 183122.1 | S |
| 130.533 | 0.0000 | 0.0000 | 82.608 | 0.02793 | 0.00000 | 319537.6 | 132601.1 | 183122.1 | S |
| 130.542 | 0.0000 | 0.0000 | 82.607 | 0.02793 | 0.00000 | 319537.6 | 132601.9 | 183122.1 | S |
| 130.550 | 0.0000 | 0.0000 | 82.607 | 0.02792 | 0.00000 | 319537.6 | 132602.8 | 183122.1 | S |
| 130.558 | 0.0000 | 0.0000 | 82.607 | 0.02792 | 0.00000 | 319537.6 | 132603.6 | 183122.1 | S |
| 130.567 | 0.0000 | 0.0000 | 82.607 | 0.02792 | 0.00000 | 319537.6 | 132604.4 | 183122.1 | S |
| 130.575 | 0.0000 | 0.0000 | 82.607 | 0.02791 | 0.00000 | 319537.6 | 132605.3 | 183122.1 | S |
| 130.583 | 0.0000 | 0.0000 | 82.607 | 0.02791 | 0.00000 | 319537.6 | 132606.1 | 183122.1 | S |
| 130.592 | 0.0000 | 0.0000 | 82.607 | 0.02791 | 0.00000 | 319537.6 | 132606.9 | 183122.1 | S |
| 130.600 | 0.0000 | 0.0000 | 82.607 | 0.02790 | 0.00000 | 319537.6 | 132607.8 | 183122.1 | S |
| 130.608 | 0.0000 | 0.0000 | 82.606 | 0.02790 | 0.00000 | 319537.6 | 132608.6 | 183122.1 | S |
| 130.617 | 0.0000 | 0.0000 | 82.606 | 0.02790 | 0.00000 | 319537.6 | 132609.4 | 183122.1 | S |
| 130.625 | 0.0000 | 0.0000 | 82.606 | 0.02789 | 0.00000 | 319537.6 | 132610.3 | 183122.1 | S |
| 130.633 | 0.0000 | 0.0000 | 82.606 | 0.02788 | 0.00000 | 319537.6 | 132611.1 | 183122.1 | S |
| 130.642 | 0.0000 | 0.0000 | 82.606 | 0.02789 | 0.00000 | 319537.6 | 132612.0 | 183122.1 | S |
| 130.650 | 0.0000 | 0.0000 | 82.606 | 0.02788 | 0.00000 | 319537.6 | 132612.8 | 183122.1 | S |
| 130.658 | 0.0000 | 0.0000 | 82.606 | 0.02788 | 0.00000 | 319537.6 | 132613.6 | 183122.1 | S |
| 130.667 | 0.0000 | 0.0000 | 82.606 | 0.02788 | 0.00000 | 319537.6 | 132614.5 | 183122.1 | S |
| 130.675 | 0.0000 | 0.0000 | 82.605 | 0.02787 | 0.00000 | 319537.6 | 132615.3 | 183122.1 | S |
| 130.683 | 0.0000 | 0.0000 | 82.605 | 0.02787 | 0.00000 | 319537.6 | 132616.1 | 183122.1 | S |
| 130.692 | 0.0000 | 0.0000 | 82.605 | 0.02787 | 0.00000 | 319537.6 | 132617.0 | 183122.1 | S |
| 130.700 | 0.0000 | 0.0000 | 82.605 | 0.02786 | 0.00000 | 319537.6 | 132617.8 | 183122.1 | S |
| 130.708 | 0.0000 | 0.0000 | 82.605 | 0.02786 | 0.00000 | 319537.6 | 132618.6 | 183122.1 | S |
| 130.717 | 0.0000 | 0.0000 | 82.605 | 0.02786 | 0.00000 | 319537.6 | 132619.5 | 183122.1 | S |
| 130.725 | 0.0000 | 0.0000 | 82.605 | 0.02785 | 0.00000 | 319537.6 | 132620.3 | 183122.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overfiow Discharge ( $\mathrm{f} \mathrm{t}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{t}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | $\begin{aligned} & \text { Flow } \\ & \text { Type } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 130.733 | 0.0000 | 0.0000 | 82.605 | 0.02785 | 0.00000 | 319537.6 | 132621.2 | 183122.1 | S |
| 130.742 | 0.0000 | 0.0000 | 82.604 | 0.02785 | 0.00000 | 319537.6 | 132622.0 | 183122.1 | S |
| 130.750 | 0.0000 | 0.0000 | 82.604 | 0.02784 | 0.00000 | 319537.6 | 132622.8 | 183122.1 | S |
| 130.758 | 0.0000 | 0.0000 | 82.604 | 0.02784 | 0.00000 | 319537.6 | 132623.7 | 183122.1 | S |
| 130.767 | 0.0000 | 0.0000 | 82.604 | 0.02784 | 0.00000 | 319537.6 | 132624.5 | 183122.1 | S |
| 130.775 | 0.0000 | 0.0000 | 82.604 | 0.02783 | 0.00000 | 319537.6 | 132625.3 | 183122.1 | S |
| 130.783 | 0.0000 | 0.0000 | 82.604 | 0.02783 | 0.00000 | 319537.6 | 132626.2 | 183122.7 | S |
| 130.792 | 0.0000 | 0.0000 | 82.604 | 0.02783 | 0.00000 | 319537.6 | 132627.0 | 183122.1 | S |
| 130.800 | 0.0000 | 0.0000 | 82.604 | 0.02782 | 0.00000 | 319537.6 | 132627.8 | 183122.1 | S |
| 130.808 | 0.0000 | 0.0000 | 82.603 | 0.02782 | 0.00000 | 319537.6 | 132628.7 | 183122.1 | S |
| 130.817 | 0.0000 | 0.0000 | 82.603 | 0.02782 | 0.00000 | 319537.6 | 132629.5 | 183122.1 | S |
| 130.825 | 0.0000 | 0.0000 | 82.603 | 0.02781 | 0.00000 | 319537.6 | 132630.3 | 183122.1 | S |
| 130.833 | 0.0000 | 0.0000 | 82.603 | 0.02781 | 0.00000 | 319537.6 | $\dagger 32631.2$ | 183722.1 | S |
| 130.842 | 0.0000 | 0.0000 | 82.603 | 0.02781 | 0.00000 | 319537.6 | 132632.0 | 183122.1 | S |
| 130.850 | 0.0000 | 0.0000 | 82.603 | 0.02780 | 0.00000 | 319537.6 | 132632.8 | 183122.1 | S |
| 130.858 | 0.0000 | 0.0000 | 82.603 | 0.02780 | 0.00000 | 319537.6 | 132633.7 | 183122.1 | S |
| $\$ 30.867$ | 0.0000 | 0.0000 | 82.603 | 0.02780 | 0.00000 | 319537.6 | 132634.5 | 183122.1 | S |
| 130.875 | 0.0000 | 0.0000 | 82.602 | 0.02780 | 0.00000 | 319537.6 | 132635.3 | 183122.1 | S |
| 130.883 | 0.0000 | 0.0000 | 82.602 | 0.02779 | 0.00000 | 319537.6 | 132636.2 | 183122.1 | S |
| 130.892 | 0.0000 | 0.0000 | 82.602 | 0.02779 | 0.00000 | 319537.6 | 132637.0 | 183122.1 | S |
| 130.900 | 0.0000 | 0.0000 | 82.602 | 0.02779 | 0.00000 | 319537.6 | 132637.8 | 183122.1 | S |
| 130.908 | 0.0000 | 0.0000 | 82.602 | 0.02778 | 0.00000 | 319537.6 | 132638.7 | 183122.1 | S |
| 130.917 | 0.0000 | 0.0000 | 82.602 | 0.02778 | 0.00000 | 319537.6 | 132639.5 | 183122.1 | S |
| 130.925 | 0.0000 | 0.0000 | 82.602 | 0.02778 | 0.00000 | 319537.6 | 132640.3 | 183122.7 | S |
| 130.933 | 0.0000 | 0.0000 | 82.602 | 0.02777 | 0.00000 | 319537.6 | 132641.2 | 183122.1 | S |
| 130.942 | 0.0000 | 0.0000 | 82.602 | 0.02777 | 0.00000 | 319537.6 | 132642.0 | 183122.1 | S |
| 130.950 | 0.0000 | 0.0000 | 82.601 | 0.02777 | 0.00000 | 319537.6 | 132642.8 | 183122.1 | S |
| 130.958 | 0.0000 | 0.0000 | 82.601 | 0.02776 | 0.00000 | 319537.6 | 132643.7 | 183122.1 | S |
| 130.967 | 0.0000 | 0.0000 | 82.601 | 0.02776 | 0.00000 | 319537.6 | 132644.5 | 183122.1 | S |
| 130.975 | 0.0000 | 0.0000 | 82.601 | 0.02776 | 0.00000 | 319537.6 | 132645.3 | 183122.1 | S |
| 130.983 | 0.0000 | 0.0000 | 82.601 | 0.02775 | 0.00000 | 319537.6 | 132646.2 | 183122.1 | S |
| 130.992 | 0.0000 | 0.0000 | 82.601 | 0.02775 | 0.00000 | 319537.6 | 132647.0 | 183122.1 | S |
| 131.000 | 0.0000 | 0.0000 | 82.601 | 0.02775 | 0.00000 | 319537.6 | 132647.8 | 183122.1 | S |
| 131.008 | 0.0000 | 0.0000 | 82.601 | 0.02774 | 0.00000 | 319537.6 | 132648.7 | 183122.1 | S |
| 131.017 | 0.0000 | 0.0000 | 82.600 | 0.02774 | 0.00000 | 319537.6 | 132649.5 | 183122.1 | S |
| 131.025 | 0.0000 | 0.0000 | 82.600 | 0.02774 | 0.00000 | 319537.6 | 132650.3 | 183122.1 | S |
| 131.033 | 0.0000 | 0.0000 | 82.600 | 0.02773 | 0.00000 | 319537.6 | 132651.2 | 183122.1 | S |
| 131.042 | 0.0000 | 0.0000 | 82.600 | 0.02773 | 0.00000 | 319537.6 | 132652.0 | 183122.1 | S |
| 131.050 | 0.0000 | 0.0000 | 82.600 | 0.02773 | 0.00000 | 319537.6 | 132652.8 | 183122.1 | S |
| 431.058 | 0.0000 | 0.0000 | 82.600 | 0.02772 | 0.00000 | 319537.6 | 132653.7 | 183122.1 | S |
| 131.067 | 0.0000 | 0.0000 | 82.600 | 0.02772 | 0.00000 | 319537.6 | 132654.5 | 183122.1 | S |
| 131.075 | 0.0000 | 0.0000 | 82.600 | 0.02772 | 0.00000 | 319537.6 | 132655.3 | 183122.1 | S |
| 131.083 | 0.0000 | 0.0000 | 82.599 | 0.02771 | 0.00000 | 319537.6 | 132656.2 | 183122.1 | S |
| 131.092 | 0.0000 | 0.0000 | 82.599 | 0.02771 | 0.00000 | 319537.6 | 132657.0 | 183122.1 | S |
| 131.100 | 0.0000 | 0.0000 | 82.599 | 0.02771 | 0.00000 | 319537.6 | 132657.8 | 183122.1 | S |
| 131.108 | 0.0000 | 0.0000 | 82.599 | 0.02770 | 0.00000 | 319537.6 | 132658.7 | 183122.1 | S |
| 131.117 | 0.0000 | 0.0000 | 82.599 | 0.02770 | 0.00000 | 319537.6 | 132659.5 | 183122.1 | S |
| 131.125 | 0.0000 | 0.0000 | 82.599 | 0.02770 | 0.00000 | 319537.6 | 132660.3 | 183122.1 | S |
| 131.133 | 0.0000 | 0.0000 | 82.599 | 0.02769 | 0.00000 | 319537.6 | 132661.1 | 183122.1 | S |
| 131.142 | 0.0000 | 0.0000 | 82.599 | 0.02769 | 0.00000 | 319537.6 | 132662.0 | 183122.1 | S |
| 131.150 | 0.0000 | 0.0000 | 82.598 | 0.02769 | 0.00000 | 319537.6 | 132662.8 | 183122.1 | S |
| 131.158 | 0.0000 | 0.0000 | 82.598 | 0.02768 | 0.00000 | 319537.6 | 132663.6 | 183122.1 | S |
| 131.167 | 0.0000 | 0.0000 | 82.598 | 0.02768 | 0.00000 | 319537.6 | 132664.5 | 183122.1 | S |
| 131.175 | 0.0000 | 0.0000 | 82.598 | 0.02768 | 0.00000 | 319537.6 | 132665.3 | 183122.1 | S |
| 131.183 | 0.0000 | 0.0000 | 82.598 | 0.02768 | 0.00000 | 319537.6 | 132666.1 | 183122.1 | S |
| 131.192 | 0.0000 | 0.0000 | 82.598 | 0.02767 | 0.00000 | 319537.6 | 132667.0 | 183122.1 | S |
| 131.200 | 0.0000 | 0.0000 | 82.598 | 0.02767 | 0.00000 | 319537.6 | 132667.8 | 183122.1 | S |
| 131.208 | 0.0000 | 0.0000 | 82.598 | 0.02767 | 0.00000 | 319537.6 | 132668.6 | 183122.1 | S |
| 131.217 | 0.0000 | 0.0000 | 82.597 | 0.02766 | 0.00000 | 319537.6 | 132669.5 | 183122.1 | S |
| 131.225 | 0.0000 | 0.0000 | 82.597 | 0.02766 | 0.00000 | 319537.6 | 132670.3 | 183122.1 | S |
| 431.233 | 0.0000 | 0.0000 | 82.597 | 0.02766 | 0.00000 | 319537.6 | 132671.1 | 183122.1 | S |
| 131.242 | 0.0000 | 0.0000 | 82.597 | 0.02765 | 0.00000 | 319537.6 | 132671.9 | 183122.1 | S |
| 131.250 | 0.0000 | 0.0000 | 82.597 | 0.02765 | 0.00000 | 319537.6 | 132672.8 | 183122.1 | S |
| 131.258 | 0.0000 | 0.0000 | 82.597 | 0.02765 | 0.00000 | 319537.6 | 132673.6 | 183122.1 | S |
| 131.267 | 0.0000 | 0.0000 | 82.597 | 0.02764 | 0.00000 | 319537.6 | 132674.4 | 183122.1 | S |
| 131.275 | 0.0000 | 0.0000 | 82.597 | 0.02764 | 0.00000 | 319537.6 | 132675.3 | 183122.1 | S |
| 131.283 | 0.0000 | 0.0000 | 82.596 | 0.02764 | 0.00000 | 319537.6 | 132676.1 | 183122.1 | S |
| 131.292 | 0.0000 | 0.0000 | 82.596 | 0.02763 | 0.00000 | 319537.6 | 132676.9 | 183122.1 | S |
| 131.300 | 0.0000 | 0.0000 | 82.596 | 0.02763 | 0.00000 | 319537.6 | 132677.7 | 183122.1 | S |
| 131.308 | 0.0000 | 0.0000 | 82.596 | 0.02763 | 0.00000 | 319537.6 | 132678.6 | 183122.1 | S |
| 131.317 | 0.0000 | 0.0000 | 82.596 | 0.02762 | 0.00000 | 319537.6 | 132679.4 | \{83122.1 | S |
| 131.325 | 0.0000 | 0.0000 | 82.596 | 0.02762 | 0.00000 | 319537.6 | 132680.2 | 183122.1 | S |
| 131.333 | 0.0000 | 0.0000 | 82.596 | 0.02762 | 0.00000 | 319537.6 | 132681.1 | 183122.1 | S |
| 131,342 | 0.0000 | 0.0000 | 82.596 | 0.02761 | 0.00000 | 319537.6 | 132681.9 | 183122.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}{ }^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{n}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 131,350 | 0.0000 | 0.0000 | 82.596 | 0.02761 | 0.00000 | 319537.6 | 132682.7 | 183122.1 | S |
| 131,358 | 0.0000 | 0.0000 | 82.595 | 0.02761 | 0.00000 | 319537.6 | 132683.5 | 183122.1 | S |
| 131.367 | 0.0000 | 0.0000 | 82.595 | 0.02760 | 0.00000 | 319537.6 | 132684.4 | 183122.1 | S |
| 131,375 | 0.0000 | 0.0000 | 82.595 | 0.02760 | 0.00000 | 319537.6 | 132685.2 | 183122.1 | S |
| 131.383 | 0.0000 | 0.0000 | 82.595 | 0.02760 | 0.00000 | 319537.6 | 132686.0 | 183122.1 | S |
| 131.392 | 0.0000 | 0.0000 | 82.595 | 0.02759 | 0.00000 | 319537.6 | 132686.9 | 183122.1 | S |
| 131.400 | 0.0000 | 0.0000 | 82.595 | 0.02759 | 0.00000 | 319537.6 | 132687.7 | 183122.1 | S |
| 131.408 | 0.0000 | 0.0000 | 82.595 | 0.02759 | 0.00000 | 319537.6 | 132688.5 | 183122.1 | S |
| 131.417 | 0.0000 | 0.0000 | 82.595 | 0.02758 | 0.00000 | 319537.6 | 132689.3 | 183122.1 | S |
| 131.425 | 0.0000 | 0.0000 | 82.594 | 0.02758 | 0.00000 | 319537.6 | 132690.2 | 183122.1 | S |
| 131.433 | 0.0000 | 0.0000 | 82.594 | 0.02758 | 0.00000 | 319537.6 | 132691.0 | 183122.1 | S |
| 131.442 | 0.0000 | 0.0000 | 82.594 | 0.02757 | 0.00000 | 319537.6 | 132691.8 | 183122.1 | S |
| 131.450 | 0.0000 | 0.0000 | 82.594 | 0.02757 | 0.00000 | 319537.6 | 132692.6 | 183122.1 | S |
| 131.458 | 0.0000 | 0.0000 | 82.594 | 0.02757 | 0.00000 | 319537.6 | 132693.5 | 183122.1 | S |
| 131.467 | 0.0000 | 0.0000 | 82.594 | 0.02757 | 0.00000 | 319537.6 | 132694.3 | \$83122.1 | S |
| 131.475 | 0.0000 | 0.0000 | 82.594 | 0.02756 | 0.00000 | 319537.6 | 132695.1 | 183122.1 | S |
| 131.483 | 0.0000 | 0.0000 | 82.594 | 0.02756 | 0.00000 | 319537.6 | 132696.0 | 183122.1 | S |
| 131.492 | 0.0000 | 0.0000 | 82.593 | 0.02756 | 0.00000 | 319537.6 | 132696.8 | 183122.1 | S |
| 131.500 | 0.0000 | 0.0000 | 82.593 | 0.02755 | 0.00000 | 319537.6 | 132697.6 | 183122.1 | S |
| 131.508 | 0.0000 | 0.0000 | 82.593 | 0.02755 | 0.00000 | 319537.6 | 132698.4 | 183122.1 | S |
| 131.517 | 0.0000 | 0.0000 | 82.593 | 0.02755 | 0.00000 | 319537.6 | 132699.3 | 183122.1 | S |
| 131.525 | 0.0000 | 0.0000 | 82.593 | 0.02754 | 0.00000 | 319537.6 | 132700.1 | 183122.1 | S |
| 131.533 | 0.0000 | 0.0000 | 82.593 | 0.02754 | 0.00000 | 319537.6 | 132700.9 | 183122.1 | S |
| 131.542 | 0.0000 | 0.0000 | 82.593 | 0.02754 | 0.00000 | 319537.6 | 132701.7 | 183122.1 | S |
| 131.550 | 0.0000 | 0.0000 | 82.593 | 0.02753 | 0.00000 | 319537.6 | 132702.6 | 183122.1 | S |
| 131.558 | 0.0000 | 0.0000 | 82.592 | 0.02753 | 0.00000 | 319537.6 | 132703.4 | 183122.1 | S |
| 131.567 | 0.0000 | 0.0000 | 82.592 | 0.02753 | 0.00000 | 319537.6 | 132704.2 | 183122.1 | S |
| 131.575 | 0.0000 | 0.0000 | 82.592 | 0.02752 | 0.00000 | 319537.6 | 132705.0 | 183122.1 | S |
| 131.583 | 0.0000 | 0.0000 | 82.592 | 0.02752 | 0.00000 | 319537.6 | 132705.9 | 183122.1 | S |
| 131.592 | 0.0000 | 0.0000 | 82.592 | 0.02752 | 0.00000 | 319537.6 | 132706.7 | 183122.1 | S |
| 131.600 | 0.0000 | 0,0000 | 82.592 | 0.02751 | 0.00000 | 319537.6 | \$32707.5 | 183122.1 | S |
| 131.608 | 0.0000 | 0.0000 | 82.592 | 0.02751 | 0.00000 | 319537.6 | 132708.3 | 183122.1 | S |
| 131.617 | 0.0000 | 0.0000 | 82.592 | 0.02751 | 0.00000 | 319537.6 | 132709.2 | 183122.1 | S |
| 131.625 | 0.0000 | 0.0000 | 82.591 | 0.02750 | 0.00000 | 319537.6 | 132710.0 | 183122.1 | S |
| 131.633 | 0.0000 | 0.0000 | 82.591 | 0.02750 | 0.00000 | 319537.6 | 132710.8 | 183122.1 | S |
| 131.642 | 0.0000 | 0.0000 | 82.591 | 0.02750 | 0.00000 | 319537.6 | 132711.6 | 183122.1 | S |
| 131.650 | 0.0000 | 0.0000 | 82.591 | 0.02749 | 0.00000 | 319537.6 | 132712.5 | 183122.1 | S |
| 131.658 | 0.0000 | 0.0000 | 82.591 | 0.02749 | 0.00000 | 319537.6 | 132713.3 | 183122.1 | S |
| \$31.667 | 0.0000 | 0.0000 | 82.591 | 0.02749 | 0.00000 | 319537.6 | 132714.1 | 183122.1 | S |
| 131.675 | 0.0000 | 0.0000 | 82.591 | 0.02749 | 0.00000 | 319537.6 | 132714.9 | 183122.1 | S |
| 131.683 | 0.0000 | 0.0000 | 82.591 | 0.02748 | 0.00000 | 319537.6 | 132715.8 | 183122.1 | S |
| 131.692 | 0.0000 | 0.0000 | 82.590 | 0.02748 | 0.00000 | 319537.6 | 132716.6 | 183122.1 | S |
| 131.700 | 0.0000 | 0.0000 | 82.590 | 0.02748 | 0.00000 | 319537.6 | 132717.4 | 183122.1 | S |
| 131.708 | 0.0000 | 0.0000 | 82.590 | 0.02747 | 0.00000 | 319537.6 | 132718.2 | 183122.1 | S |
| 131.717 | 0.0000 | 0.0000 | 82.590 | 0.02747 | 0.00000 | 319537.6 | 132719.1 | 183122.1 | S |
| 131.725 | 0.0000 | 0.0000 | 82.590 | 0.02747 | 0.00000 | 319537.6 | 132719.9 | 183122.1 | S |
| 131.733 | 0.0000 | 0.0000 | 82.590 | 0.02746 | 0.00000 | 319537.6 | 132720.7 | 183122.1 | S |
| 131.742 | 0.0000 | 0.0000 | 82.590 | 0.02746 | 0.00000 | 319537.6 | 132721.5 | 183122.1 | S |
| 131.750 | 0.0000 | 0.0000 | 82.590 | 0.02746 | 0.00000 | 319537.6 | 132722.4 | 183122.1 | S |
| 131.758 | 0.0000 | 0.0000 | 82.590 | 0.02745 | 0.00000 | 319537.6 | 132723.2 | 183122.1 | S |
| 131.767 | 0.0000 | 0.0000 | 82.589 | 0.02745 | 0.00000 | 319537.6 | 132724.0 | 183122.1 | S |
| 131.775 | 0.0000 | 0.0000 | 82.589 | 0.02745 | 0.00000 | 319537.6 | 132724.8 | 183122.1 | S |
| 131.783 | 0.0000 | 0.0000 | 82.589 | 0.02744 | 0.00000 | 319537.6 | 132725.7 | 183122.1 | S |
| 131.792 | 0.0000 | 0.0000 | 82.589 | 0.02744 | 0.00000 | 319537.6 | 132726.5 | 183122.1 | S |
| 131.800 | 0.0000 | 0.0000 | 82.589 | 0.02744 | 0.00000 | 319537.6 | 132727.3 | 183122.1 | S |
| 131.808 | 0.0000 | 0.0000 | 82.589 | 0.02743 | 0.00000 | 319537.6 | 132728.1 | 183122.1 | S |
| 131.817 | 0.0000 | 0.0000 | 82.589 | 0.02743 | 0.00000 | 319537.6 | 132729.0 | 183122.1 | S |
| 131.825 | 0.0000 | 0.0000 | 82.589 | 0.02743 | 0.00000 | 319537.6 | 132729.8 | 183122.1 | S |
| 131.833 | 0.0000 | 0.0000 | 82.588 | 0.02742 | 0.00000 | 319537.6 | 132730.6 | 183122.1 | S |
| 131.842 | 0.0000 | 0.0000 | 82.588 | 0.02742 | 0.00000 | 319537.6 | 132731.4 | 183122.1 | S |
| 131.850 | 0.0000 | 0.0000 | 82.588 | 0.02742 | 0.00000 | 319537.6 | 132732.2 | 183122.1 | S |
| 131.858 | 0.0000 | 0.0000 | 82.588 | 0.02741 | 0.00000 | 319537.6 | 132733.1 | 183122.1 | S |
| 131.867 | 0.0000 | 0.0000 | 82.588 | 0.02741 | 0.00000 | 319537.6 | 132733.9 | 183122.1 | S |
| 131.875 | 0.0000 | 0.0000 | 82.588 | 0.02741 | 0.00000 | 319537.6 | 132734.7 | 183122.1 | S |
| 131.883 | 0.0000 | 0.0000 | 82.588 | 0.02741 | 0.00000 | 319537.6 | 132735.5 | 183122.1 | S |
| 131.892 | 0.0000 | 0.0000 | 82.588 | 0.02740 | 0.00000 | 319537.6 | 132736.3 | 183122.1 | S |
| 131.900 | 0.0000 | 0.0000 | 82.587 | 0.02740 | 0.00000 | 319537.6 | 132737.2 | 183122.1 | S |
| 131.908 | 0.0000 | 0.0000 | 82.587 | 0.02740 | 0.00000 | 319537.6 | 132738.0 | 183122.1 | S |
| 131.917 | 0.0000 | 0.0000 | 82.587 | 0.02739 | 0.00000 | 319537.6 | 132738.8 | 183122.1 | S |
| 131.925 | 0.0000 | 0.0000 | 82.587 | 0.02739 | 0.00000 | 319537.6 | 132739.6 | 183122.1 | S |
| 131.933 | 0.0000 | 0.0000 | 82.587 | 0.02739 | 0.00000 | 319537.6 | 132740.5 | 183122.1 | S |
| 131.942 | 0.0000 | 0.0000 | 82.587 | 0.02738 | 0.00000 | 319537.6 | 132741.3 | 183122.1 | S |
| 131.950 | 0.0000 | 0.0000 | 82.587 | 0.02738 | 0.00000 | 319537.6 | 132742.1 | 183122.1 | S |
| 131.958 | 0.0000 | 0.0000 | 82.587 | 0.02738 | 0.00000 | 319537.6 | 132742.9 | 183122.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{A}^{3 / \mathrm{s}}$ ) | Outside Recharge (fidday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $f^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | $\begin{aligned} & \text { Flow } \\ & \text { Type } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 131.967 | 0.0000 | 0.0000 | 82.586 | 0.02737 | 0.00000 | 319537.6 | 132743.8 | 183122.1 | S |
| 131.975 | 0.0000 | 0.0000 | 82.586 | 0.02737 | 0.00000 | 319537.6 | 132744.6 | 183122.1 | S |
| 131.983 | 0.0000 | 0.0000 | 82.586 | 0.02737 | 0.00000 | 319537.6 | 132745.4 | 183122.1 | S |
| 131.992 | 0.0000 | 0.0000 | 82.586 | 0.02736 | 0.00000 | 319537.6 | 132746.2 | 183122.1 | S |
| 132.000 | 0.0000 | 0.0000 | 82.586 | 0.02736 | 0.00000 | 319537.6 | 132747.0 | 183122.1 | S |
| 132.008 | 0.0000 | 0.0000 | 82.586 | 0.02736 | 0.00000 | 319537.6 | 132747.8 | 183122.1 | S |
| 132.017 | 0.0000 | 0.0000 | 82.586 | 0.02735 | 0.00000 | 319537.6 | 132748.7 | 183122.1 | S |
| 132.025 | 0.0000 | 0.0000 | 82.586 | 0.02735 | 0.00000 | 319537.6 | 132749.5 | 183122.1 | S |
| 132.033 | 0.0000 | 0.0000 | 82.586 | 0.02735 | 0.00000 | 319537.6 | 132750.3 | 183122.1 | S |
| 132.042 | 0.0000 | 0.0000 | 82.585 | 0.02734 | 0.00000 | 319537.6 | 132751.1 | 183122.1 | S |
| 132.050 | 0.0000 | 0.0000 | 82.585 | 0.02734 | 0.00000 | 319537.6 | 132752.0 | 183122.1 | S |
| 132.058 | 0.0000 | 0.0000 | 82.585 | 0.02734 | 0.00000 | 319537.6 | 132752.8 | 183122.1 | S |
| 132.067 | 0.0000 | 0.0000 | 82.585 | 0.02734 | 0.00000 | 319537.6 | 132753.6 | 183122.1 | S |
| 132.075 | 0.0000 | 0.0000 | 82.585 | 0.02733 | 0.00000 | 319537.6 | 132754.4 | 183122.1 | S |
| 132.083 | 0.0000 | 0.0000 | 82.585 | 0.02733 | 0.00000 | 319537.6 | 132755.2 | 183122.1 | S |
| 132.092 | 0.0000 | 0.0000 | 82.585 | 0.02733 | 0.00000 | 319537.6 | 132756.0 | 183122.1 | S |
| 132.100 | 0.0000 | 0.0000 | 82.585 | 0.02732 | 0.00000 | 319537.6 | 132756.9 | 183122.1 | S |
| 132.108 | 0.0000 | 0.0000 | 82.584 | 0.02732 | 0.00000 | 319537.6 | 132757.7 | 183122.1 | S |
| 132.117 | 0.0000 | 0.0000 | 82.584 | 0.02732 | 0.00000 | 319537.6 | 132758.5 | 183122.1 | S |
| 132.125 | 0.0000 | 0.0000 | 82.584 | 0.02731 | 0.00000 | 319537.6 | 132759.3 | 183122.1 | S |
| 132.133 | 0.0000 | 0.0000 | 82.584 | 0.02731 | 0.00000 | 319537.6 | 132760.1 | 183122.1 | S |
| 132.142 | 0.0000 | 0.0000 | 82.584 | 0.02731 | 0.00000 | 319537.6 | 132761.0 | 183122.1 | S |
| 132.150 | 0.0000 | 0.0000 | 82.584 | 0.02730 | 0.00000 | 319537.6 | 132761.8 | 183122.1 | S |
| 132.158 | 0.0000 | 0.0000 | 82.584 | 0.02730 | 0.00000 | 319537.6 | 132762.6 | 183122.1 | S |
| 132.167 | 0.0000 | 0.0000 | 82.584 | 0.02730 | 0.00000 | 319537.6 | 132763.4 | 183122.1 | S |
| 132.175 | 0.0000 | 0.0000 | 82.583 | 0.02729 | 0.00000 | 319537.6 | 132764.3 | 183122.1 | S |
| 132.183 | 0.0000 | 0.0000 | 82.583 | 0.02729 | 0.00000 | 319537.6 | 132765, | 183122.1 | S |
| 132.192 | 0.0000 | 0.0000 | 82.583 | 0.02729 | 0.00000 | 319537.6 | 132765.9 | 183122.1 | S |
| 132.200 | 0.0000 | 0.0000 | 82.583 | 0.02728 | 0.00000 | 319537.6 | 132766.7 | 183122.1 | S |
| 132.208 | 0.0000 | 0.0000 | 82.583 | 0.02728 | 0.00000 | 319537.6 | 132767.5 | 183122.1 | S |
| 132.217 | 0.0000 | 0.0000 | 82.583 | 0.02728 | 0.00000 | 319537.6 | 132768.3 | 183122.1 | S |
| 132.225 | 0.0000 | 0.0000 | 82.583 | 0.02727 | 0.00000 | 319537.6 | 132769.2 | 183122.1 | S |
| 132.233 | 0.0000 | 0.0000 | 82.583 | 0.02727 | 0.00000 | 319537.6 | 132770.0 | 183122.1 | S |
| 132.242 | 0.0000 | 0.0000 | 82.582 | 0.02727 | 0.00000 | 319537.6 | 132770.8 | 183122.1 | S |
| 132.250 | 0.0000 | 0.0000 | 82.582 | 0.02727 | 0.00000 | 319537.6 | 132771.6 | 183122.1 | S |
| 132.258 | 0.0000 | 0.0000 | 82.582 | 0.02726 | 0.00000 | 319537.6 | 132772.4 | 183122.1 | S |
| 132.267 | 0.0000 | 0.0000 | 82.582 | 0.02726 | 0.00000 | 319537.6 | 132773.3 | 183122.1 | S |
| 132.275 | 0.0000 | 0.0000 | 82.582 | 0.02726 | 0.00000 | 319537.6 | 132774.1 | 183122.1 | S |
| 132.283 | 0.0000 | 0.0000 | 82.582 | 0.02725 | 0.00000 | 319537.6 | 132774.9 | 183122.1 | S |
| 132.292 | 0.0000 | 0.0000 | 82.582 | 0.02725 | 0.00000 | 319537.6 | 132775.7 | 183122.1 | S |
| 132.300 | 0.0000 | 0.0000 | 82.582 | 0.02725 | 0.00000 | 319537.6 | 132776.5 | 183122.1 | S |
| 132.308 | 0.0000 | 0.0000 | 82.582 | 0.02724 | 0.00000 | 319537.6 | 132777.3 | 183122.1 | S |
| 132.317 | 0.0000 | 0.0000 | 82.581 | 0.02724 | 0.00000 | 319537.6 | 132778.2 | 183122.1 | S |
| 132.325 | 0.0000 | 0.0000 | 82.581 | 0.02724 | 0.00000 | 319537.6 | 132779.0 | 183122.1 | S |
| 132.333 | 0.0000 | 0.0000 | 82.581 | 0.02723 | 0.00000 | 319537.6 | 132779.8 | 183122.1 | S |
| 132.342 | 0.0000 | 0.0000 | 82.581 | 0.02723 | 0.00000 | 319537.6 | 132780.6 | 183122.1 | S |
| 132.350 | 0.0000 | 0.0000 | 82.581 | 0.02723 | 0.00000 | 319537.6 | 132781.4 | 183122.1 | S |
| 132.358 | 0.0000 | 0.0000 | 82.581 | 0.02722 | 0.00000 | 319537.6 | 132782.2 | 183122.1 | S |
| 132.367 | 0.0000 | 0.0000 | 82.581 | 0.02722 | 0.00000 | 319537.6 | 132783.0 | 183122.1 | S |
| 132.375 | 0.0000 | 0.0000 | 82.581 | 0.02722 | 0.00000 | 319537.6 | 132783.9 | 183122.1 | S |
| 132.383 | 0.0000 | 0.0000 | 82.580 | 0.02721 | 0.00000 | 319537.6 | 132784.7 | 183122.1 | S |
| 132.392 | 0.0000 | 0.0000 | 82.580 | 0.02721 | 0.00000 | 319537.6 | 132785.5 | 183122.1 | S |
| 132.400 | 0.0000 | 0.0000 | 82.580 | 0.02721 | 0.00000 | 319537.6 | 132786.3 | 183122.1 | S |
| 132.408 | 0.0000 | 0.0000 | 82.580 | 0.02721 | 0.00000 | 319537.6 | 132787.1 | 183122.1 | S |
| 132.417 | 0.0000 | 0.0000 | 82.580 | 0.02720 | 0.00000 | 319537.6 | 132788.0 | 183122.1 | S |
| 132.425 | 0.0000 | 0.0000 | 82.580 | 0.02720 | 0.00000 | 319537.6 | 132788.8 | 183122.1 | S |
| 132.433 | 0.0000 | 0.0000 | 82.580 | 0.02720 | 0.00000 | 319537.6 | 132789.6 | 183122.1 | S |
| 132.442 | 0.0000 | 0.0000 | 82.580 | 0.02719 | 0.00000 | 319537.6 | 132790.4 | 183122.1 | S |
| 132.450 | 0.0000 | 0.0000 | 82.579 | 0.02719 | 0.00000 | 319537.6 | 132791.2 | 183122.1 | S |
| 132.458 | 0.0000 | 0.0000 | 82.579 | 0.02719 | 0.00000 | 319537.6 | 132792.0 | 183122.1 | S |
| 132.467 | 0.0000 | 0.0000 | 82.579 | 0.02718 | 0.00000 | 319537.6 | 132792.8 | 183122.1 | S |
| 132.475 | 0.0000 | 0.0000 | 82.579 | 0.02718 | 0.00000 | 319537.6 | 132793.7 | 183122.1 | S |
| 132.483 | 0.0000 | 0.0000 | 82.579 | 0.02718 | 0.00000 | 319537.6 | 132794.5 | 183122.1 | S |
| 132.492 | 0.0000 | 0.0000 | 82.579 | 0.02717 | 0.00000 | 319537.6 | 132795.3 | 183122.1 | S |
| 132.500 | 0.0000 | 0.0000 | 82.579 | 0.02717 | 0.00000 | 319537.6 | 132796.1 | 183122.1 | S |
| 132.508 | 0.0000 | 0.0000 | 82.579 | 0.02717 | 0.00000 | 319537.6 | 132796.9 | 483122.1 | S |
| 132.517 | 0.0000 | 0.0000 | 82.578 | 0.02716 | 0.00000 | 319537.6 | 132797.7 | 183122.1 | S |
| 132.525 | 0.0000 | 0.0000 | 82.578 | 0.02716 | 0.00000 | 319537.6 | 132798.5 | 183122.1 | S |
| 132.533 | 0.0000 | 0.0000 | 82.578 | 0.02716 | 0.00000 | 319537.6 | 132799.4 | 183122.1 | S |
| 132.542 | 0.0000 | 0.0000 | 82.578 | 0.02715 | 0.00000 | 319537.6 | 132800.2 | 183122.1 | S |
| 132.550 | 0.0000 | 0.0000 | 82.578 | 0.02715 | 0.00000 | 319537.6 | 132801.0 | 183122.1 | S |
| 132.558 | 0.0000 | 0.0000 | 82.578 | 0.02715 | 0.00000 | 319537.6 | 132801.8 | 183122.1 | S |
| 132.567 | 0.0000 | 0.0000 | 82.578 | 0.02715 | 0.00000 | 319537.6 | 132802.6 | 183122.1 | S |
| 132.575 | 0.0000 | 0.0000 | 82.578 | 0.02714 | 0.00000 | 319537.6 | 132803.4 | 183122.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate <br> (ffiss) | Outside Recharge (f/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{H}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{fl}^{3}$ ) | $\begin{aligned} & \text { Flow } \\ & \text { Type } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 132.583 | 0.0000 | 0.0000 | 82.578 | 0.02714 | 0.00000 | 319537.6 | 132804.3 | 183122.1 | S |
| 132.592 | 0.0000 | 0.0000 | 82.577 | 0.02714 | 0.00000 | 319537.6 | 132805.1 | 183122.1 | S |
| 132.600 | 0.0000 | 0.0000 | 82.577 | 0.02713 | 0.00000 | 319537.6 | 132805.9 | 183122.1 | S |
| 132,608 | 0.0000 | 0.0000 | 82.577 | 0.02713 | 0.00000 | 319537.6 | 132806.7 | 183122.1 | S |
| 132.617 | 0.0000 | 0.0000 | 82.577 | 0.02713 | 0.00000 | 319537.6 | 132807.5 | 183122,1 | S |
| 132.625 | 0.0000 | 0.0000 | 82.577 | 0.02712 | 0.00000 | 319537.6 | 132808.3 | 183122.1 | S |
| 132.633 | 0.0000 | 0.0000 | 82.577 | 0.02712 | 0.00000 | 319537.6 | 132809.1 | 183122.1 | S |
| 132.642 | 0.0000 | 0.0000 | 82.577 | 0.02712 | 0.00000 | 319537.6 | 132810.0 | 183122.1 | S |
| 132.650 | 0.0000 | 0.0000 | 82.577 | 0.02711 | 0.00000 | 319537.6 | 132810.8 | 183122.1 | S |
| 132.658 | 0.0000 | 0.0000 | 82.576 | 0.02711 | 0.00000 | 319537.6 | 132811.6 | 183122.1 | S |
| 132.667 | 0.0000 | 0.0000 | 82.576 | 0.02711 | 0.00000 | 319537.6 | \{32812.4 | 183122.1 | S |
| 132.675 | 0.0000 | 0.0000 | 82.576 | 0.02710 | 0.00000 | 319537.6 | 132813.2 | 183122.1 | S |
| 132.683 | 0.0000 | 0.0000 | 82.576 | 0.02710 | 0.00000 | 319537.6 | 132814.0 | 183122.1 | S |
| 132.692 | 0.0000 | 0.0000 | 82.576 | 0.02710 | 0.00000 | 319537.6 | 132814.8 | 183122.1 | S |
| 132.700 | 0.0000 | 0.0000 | 82.576 | 0.02710 | 0.00000 | 319537.6 | 132815.6 | 183122.1 | S |
| 132.708 | 0.0000 | 0.0000 | 82.576 | 0.02709 | 0.00000 | 319537.6 | 132816.5 | 183122.1 | S |
| 132.717 | 0.0000 | 0.0000 | 82.576 | 0.02709 | 0.00000 | 319537.6 | 132817.3 | 183122.1 | S |
| 132.725 | 0.0000 | 0.0000 | 82.575 | 0.02709 | 0.00000 | 319537.6 | 132818.1 | 183122.1 | S |
| 132.733 | 0.0000 | 0.0000 | 82.575 | 0.02708 | 0.00000 | 319537.6 | 132818.9 | 183122.1 | S |
| 132.742 | 0.0000 | 0.0000 | 82.575 | 0.02708 | 0.00000 | 319537.6 | 132819.7 | 183122.1 | S |
| 132.750 | 0.0000 | 0.0000 | 82.575 | 0.02708 | 0.00000 | 319537.6 | 132820.5 | 183122.1 | S |
| 132.758 | 0.0000 | 0.0000 | 82.575 | 0.02707 | 0.00000 | 319537.6 | 132821.3 | 183122.1 | S |
| 132.767 | 0.0000 | 0.0000 | 82.575 | 0.02707 | 0.00000 | 319537.6 | 132822.1 | 183122.1 | S |
| 132.775 | 0.0000 | 0.0000 | 82.575 | 0.02707 | 0.00000 | 319537.6 | 132823.0 | 183122.1 | S |
| 132.783 | 0.0000 | 0.0000 | 82.575 | 0.02706 | 0.00000 | 319537.6 | 132823.8 | 183122.1 | S |
| 132.792 | 0.0000 | 0.0000 | 82.575 | 0.02706 | 0.00000 | 319537.6 | 132824.6 | 183122.1 | S |
| 132.800 | 0.0000 | 0.0000 | 82.574 | 0.02706 | 0.00000 | 319537.6 | 132825.4 | 183122.1 | S |
| 132.808 | 0.0000 | 0.0000 | 82.574 | 0.02705 | 0.00000 | 319537.6 | 132826.2 | 183122.1 | S |
| 132.817 | 0.0000 | 0.0000 | 82.574 | 0.02705 | 0.00000 | 319537.6 | 132827.0 | 183122.1 | S |
| 132.825 | 0.0000 | 0.0000 | 82.574 | 0.02705 | 0.00000 | 319537.6 | 132827.8 | 183122.1 | S |
| 132.833 | 0.0000 | 0.0000 | 82.574 | 0.02705 | 0.00000 | 319537.6 | 132828.6 | 183122.1 | S |
| 132.842 | 0.0000 | 0.0000 | 82.574 | 0.02704 | 0.00000 | 319537.6 | 132829.5 | 183122.1 | S |
| 132.850 | 0.0000 | 0.0000 | 82.574 | 0.02704 | 0.00000 | 319537.6 | 132830.3 | 183122.1 | S |
| 132.858 | 0.0000 | 0.0000 | 82.574 | 0.02704 | 0.00000 | 319537.6 | 132831.1 | 183122.1 | S |
| 132.867 | 0.0000 | 0.0000 | 82.573 | 0.02703 | 0.00000 | 319537.6 | 132831.9 | 183122.1 | S |
| 132.875 | 0.0000 | 0.0000 | 82.573 | 0.02703 | 0.00000 | 319537.6 | 132832.7 | 183122.1 | S |
| 132.883 | 0.0000 | 0.0000 | 82.573 | 0.02703 | 0.00000 | 319537.6 | 132833.5 | 183122.1 | S |
| 132.892 | 0.0000 | 0.0000 | 82.573 | 0.02702 | 0.00000 | 319537.6 | 132834.3 | 183122.1 | S |
| 132.900 | 0.0000 | 0.0000 | 82.573 | 0.02702 | 0.00000 | 319537.6 | 132835.1 | 183122.1 | S |
| 132.908 | 0.0000 | 0.0000 | 82.573 | 0.02702 | 0.00000 | 319537.6 | 132835.9 | 183122.1 | S |
| 132.917 | 0.0000 | 0.0000 | 82.573 | 0.02701 | 0.00000 | 319537.6 | 132836.8 | 183122.1 | S |
| 132.925 | 0.0000 | 0.0000 | 82.573 | 0.02701 | 0.00000 | 319537.6 | 132837.5 | 183122.1 | S |
| 132.933 | 0.0000 | 0.0000 | 82.572 | 0.02701 | 0.00000 | 319537.6 | 132838.4 | 183122.1 | S |
| 132.942 | 0.0000 | 0.0000 | 82.572 | 0.02700 | 0.00000 | 319537.6 | 132839.2 | 183122.1 | S |
| 132.950 | 0.0000 | 0.0000 | 82.572 | 0.02700 | 0.00000 | 319537.6 | 132840.0 | 183122.1 | S |
| 132.958 | 0.0000 | 0.0000 | 82.572 | 0.02700 | 0.00000 | 319537.6 | 132840.8 | 183122.1 | S |
| 132.967 | 0.0000 | 0.0000 | 82.572 | 0.02700 | 0.00000 | 319537.6 | 132841.6 | 183122.1 | S |
| 132.975 | 0.0000 | 0.0000 | 82.572 | 0.02699 | 0.00000 | 319537.6 | 132842.4 | 183122.1 | S |
| 132.983 | 0.0000 | 0.0000 | 82.572 | 0.02699 | 0.00000 | 319537.6 | 132843.2 | 183122.1 | S |
| 132.992 | 0.0000 | 0.0000 | 82.572 | 0.02699 | 0.00000 | 319537.6 | 132844.0 | 183122.1 | S |
| 133.000 | 0.0000 | 0.0000 | 82.572 | 0.02698 | 0.00000 | 319537.6 | 132844.8 | 183122.1 | S |
| 133.008 | 0.0000 | 0.0000 | 82.571 | 0.02698 | 0.00000 | 319537.6 | 132845.7 | 183122.1 | S |
| 133.017 | 0.0000 | 0.0000 | 82.571 | 0.02698 | 0.00000 | 319537.6 | 132846.5 | 183122.1 | S |
| 133.025 | 0.0000 | 0.0000 | 82.571 | 0.02697 | 0.00000 | 319537.6 | 132847.3 | 183122.1 | S |
| 133.033 | 0.0000 | 0.0000 | 82.571 | 0.02697 | 0.00000 | 319537.6 | 132848.1 | 183122.1 | S |
| 133.042 | 0.0000 | 0.0000 | 82.571 | 0.02697 | 0.00000 | 319537.6 | 132848.9 | 183122.1 | S |
| 133.050 | 0.0000 | 0.0000 | 82.571 | 0.02696 | 0.00000 | 319537.6 | 132849.7 | 183122.1 | S |
| $\uparrow 33.058$ | 0.0000 | 0.0000 | 82.571 | 0.02696 | 0.00000 | 319537.6 | 132850.5 | 183122.4 | S |
| 133.067 | 0.0000 | 0.0000 | 82.571 | 0.02696 | 0.00000 | 319537.6 | 132851.3 | 183122.1 | S |
| 133.075 | 0.0000 | 0.0000 | 82.570 | 0.02695 | 0.00000 | 319537.6 | 132852.1 | 183122.1 | S |
| 133.083 | 0.0000 | 0.0000 | 82.570 | 0.02695 | 0.00000 | 319537.6 | 132852.9 | 183122.1 | S |
| 133.092 | 0.0000 | 0.0000 | 82.570 | 0.02695 | 0.00000 | 319537.6 | 132853.7 | 183122.1 | S |
| 133.100 | 0.0000 | 0.0000 | 82.570 | 0.02695 | 0.00000 | 319537.6 | 132854.5 | 183122.1 | S |
| 133.108 | 0.0000 | 0.0000 | 82.570 | 0.02694 | 0.00000 | 319537.6 | 132855.4 | 183122.1 | S |
| 133.117 | 0.0000 | 0.0000 | 82.570 | 0.02694 | 0.00000 | 319537.6 | 132856.2 | 183122.1 | S |
| 133.125 | 0.0000 | 0.0000 | 82.570 | 0.02694 | 0.00000 | 319537.6 | 132857.0 | 183122.1 | S |
| 133.133 | 0.0000 | 0.0000 | 82.570 | 0.02693 | 0.00000 | 319537.6 | 132857.8 | 183122.1 | S |
| 133.142 | 0.0000 | 0.0000 | 82.569 | 0.02693 | 0.00000 | 319537.6 | 132858.6 | 183122.1 | S |
| 133.150 | 0.0000 | 0.0000 | 82.569 | 0.02693 | 0.00000 | 319537.6 | 132859.4 | 183122.1 | S |
| 133.158 | 0.0000 | 0.0000 | 82.569 | 0.02692 | 0.00000 | 319537.6 | 132860.2 | 183122.1 | S |
| 133.167 | 0.0000 | 0.0000 | 82.569 | 0.02692 | 0.00000 | 319537.6 | 132861.0 | 183122.1 | S |
| 133.175 | 0.0000 | 0.0000 | 82.569 | 0.02692 | 0.00000 | 319537.6 | 132861.8 | 183122.1 | S |
| 133.183 | 0.0000 | 0.0000 | 82.569 | 0.02691 | 0.00000 | 319537.6 | 132862.6 | 183122.1 | S |
| 133.192 | 0.0000 | 0.0000 | 82.569 | 0.02691 | 0.00000 | 319537.6 | 132863.4 | 183122.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr $/ 24$ Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (H/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{r}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume (ft ${ }^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 133.200 | 0.0000 | 0.0000 | 82.569 | 0.02691 | 0.00000 | 319537.6 | 132864.3 | 183122.1 | S |
| 133.208 | 0.0000 | 0.0000 | 82.568 | 0.02690 | 0.00000 | 319537.6 | 132865.0 | 183122.1 | S |
| 133.217 | 0.0000 | 0.0000 | 82.568 | 0.02690 | 0.00000 | 319537.6 | 132865.9 | 183122.1 | S |
| 133.225 | 0.0000 | 0.0000 | 82.568 | 0.02690 | 0.00000 | 319537.6 | 132866.7 | 183122.1 | S |
| 133.233 | 0.0000 | 0.0000 | 82.568 | 0.02690 | 0.00000 | 319537.6 | 132867.5 | 183122.1 | S |
| 133.242 | 0.0000 | 0.0000 | 82.568 | 0.02689 | 0.00000 | 319537.6 | 132868.3 | 183122.1 | S |
| 133.250 | 0.0000 | 0.0000 | 82.568 | 0.02689 | 0.00000 | 319537.6 | 132869.1 | 183122.1 | S |
| 133.258 | 0.0000 | 0.0000 | 82.568 | 0.02689 | 0.00000 | 319537.6 | 132869.9 | 183122.1 | S |
| 133.267 | 0.0000 | 0.0000 | 82.568 | 0.02688 | 0.00000 | 319537.6 | 132870.7 | 183122.1 | S |
| 133.275 | 0.0000 | 0.0000 | 82.568 | 0.02688 | 0.00000 | 319537.6 | 132871.5 | 183122.7 | S |
| 133.283 | 0.0000 | 0.0000 | 82.567 | 0.02688 | 0.00000 | 319537.6 | 132872.3 | 183122.1 | S |
| 133.292 | 0.0000 | 0.0000 | 82.567 | 0.02687 | 0.00000 | 319537.6 | 132873.1 | 183122.1 | S |
| 133.300 | 0.0000 | 0.0000 | 82.567 | 0.02687 | 0.00000 | 319537.6 | 132873.9 | 183122.1 | S |
| 133.308 | 0.0000 | 0.0000 | 82.567 | 0.02687 | 0.00000 | 319537.6 | 132874.7 | 183122.1 | S |
| 133.317 | 0.0000 | 0.0000 | 82.567 | 0.02686 | 0.00000 | 319537.6 | 132875.5 | 183122.1 | S |
| 133.325 | 0.0000 | 0.0000 | 82.567 | 0.02686 | 0.00000 | 319537.6 | 132876.3 | 183122.1 | S |
| 133.333 | 0.0000 | 0.0000 | 82.567 | 0.02686 | 0.00000 | 319537.6 | 132877.1 | 183122.1 | S |
| 133.342 | 0.0000 | 0.0000 | 82.567 | 0.02686 | 0.00000 | 319537.6 | 132878.0 | 183122.1 | S |
| 133.350 | 0.0000 | 0.0000 | 82.566 | 0.02685 | 0.00000 | 319537.6 | 132878.8 | 183122.1 | S |
| 133.358 | 0.0000 | 0.0000 | 82.566 | 0.02685 | 0.00000 | 319537.6 | 132879.6 | 183122.1 | S |
| 133.367 | 0.0000 | 0.0000 | 82.566 | 0.02685 | 0.00000 | 319537.6 | 132880.4 | 183122.1 | S |
| 133.375 | 0.0000 | 0.0000 | 82.566 | 0.02684 | 0.00000 | 319537.6 | 132881.2 | 183122.1 | S |
| 133.383 | 0.0000 | 0.0000 | 82.566 | 0.02684 | 0.00000 | 319537.6 | 132882.0 | 183122.1 | S |
| 133.392 | 0.0000 | 0.0000 | 82.566 | 0.02684 | 0.00000 | 319537.6 | 132882.8 | 183122.1 | S |
| 133.400 | 0.0000 | 0.0000 | 82.566 | 0.02683 | 0.00000 | 319537.6 | 132883.6 | 183122.1 | S |
| 133.408 | 0.0000 | 0.0000 | 82.566 | 0.02683 | 0.00000 | 319537.6 | 132884.4 | 183122.1 | S |
| 133.417 | 0.0000 | 0.0000 | 82.565 | 0.02683 | 0.00000 | 319537.6 | 132885.2 | 183122.1 | S |
| 133.425 | 0.0000 | 0.0000 | 82.565 | 0.02682 | 0.00000 | 319537.6 | 132886.0 | 183122.1 | S |
| 133.433 | 0.0000 | 0.0000 | 82.565 | 0.02682 | 0.00000 | 319537.6 | 132886.8 | 183122.1 | S |
| 133.442 | 0.0000 | 0.0000 | 82.565 | 0.02682 | 0.00000 | 319537.6 | 132887.6 | 183122.1 | S |
| 133.450 | 0.0000 | 0.0000 | 82.565 | 0.02682 | 0.00000 | 319537.6 | 132888.4 | 183122.1 | S |
| 133.458 | 0.0000 | 0.0000 | 82.565 | 0.02681 | 0.00000 | 319537.6 | 132889.2 | 183122.1 | S |
| 133.467 | 0.0000 | 0.0000 | 82.565 | 0.02681 | 0.00000 | 319537.6 | 132890.0 | 183122.1 | S |
| 133.475 | 0.0000 | 0.0000 | 82.565 | 0.02681 | 0.00000 | 319537.6 | 132890.8 | 183122.1 | S |
| 133.483 | 0.0000 | 0.0000 | 82.565 | 0.02680 | 0.00000 | 319537.6 | 132891.6 | 183122.1 | S |
| 133.492 | 0.0000 | 0.0000 | 82.564 | 0.02680 | 0.00000 | 319537.6 | 132892.4 | 183122.1 | S |
| 133.500 | 0.0000 | 0.0000 | 82.564 | 0.02680 | 0.00000 | 319537.6 | 132893.3 | 183122.1 | S |
| 133.508 | 0.0000 | 0.0000 | 82.564 | 0.02679 | 0.00000 | 319537.6 | 132894.0 | 183122.1 | S |
| 133.517 | 0.0000 | 0.0000 | 82.564 | 0.02679 | 0.00000 | 319537.6 | 132894.8 | 183122.1 | S |
| 133.525 | 0.0000 | 0.0000 | 82.564 | 0.02679 | 0.00000 | 319537.6 | 132895.7 | 183122.1 | S |
| 133.533 | 0.0000 | 0.0000 | 82.564 | 0.02678 | 0.00000 | 319537.6 | 132896.5 | 183122.1 | S |
| 133.542 | 0.0000 | 0.0000 | 82.564 | 0.02678 | 0.00000 | 319537.6 | 132897.3 | 183122.1 | S |
| 133.550 | 0.0000 | 0.0000 | 82.564 | 0.02678 | 0.00000 | 319537.6 | 132898.1 | 183122.1 | S |
| 133.558 | 0.0000 | 0.0000 | 82.563 | 0.02677 | 0.00000 | 319537.6 | 132898.9 | 183122.1 | S |
| 133.567 | 0.0000 | 0.0000 | 82.563 | 0.02677 | 0.00000 | 319537.6 | 132899.7 | 183122.1 | S |
| 133.575 | 0.0000 | 0.0000 | 82.563 | 0.02677 | 0.00000 | 319537.6 | 132900.5 | 183122.1 | S |
| 133.583 | 0.0000 | 0.0000 | 82.563 | 0.02677 | 0.00000 | 319537.6 | 132901.3 | 183122.1 | S |
| 133.592 | 0.0000 | 0.0000 | 82.563 | 0.02676 | 0.00000 | 319537.6 | 132902.1 | 183122.1 | S |
| 133.600 | 0.0000 | 0.0000 | 82.563 | 0.02676 | 0.00000 | 319537.6 | 132902.9 | 183122.1 | S |
| 133.608 | 0.0000 | 0.0000 | 82.563 | 0.02676 | 0.00000 | 319537.6 | 132903.7 | 183122.1 | S |
| 133.617 | 0.0000 | 0.0000 | 82.563 | 0.02675 | 0.00000 | 319537.6 | 132904.5 | 183122.1 | S |
| 133.625 | 0.0000 | 0.0000 | 82.563 | 0.02675 | 0.00000 | 319537.6 | 132905.3 | 183122.1 | S |
| 133.633 | 0.0000 | 0.0000 | 82.562 | 0.02675 | 0.00000 | 319537.6 | 132906.1 | 183122.1 | S |
| 133.642 | 0.0000 | 0.0000 | 82.562 | 0.02674 | 0.00000 | 319537.6 | 132906.9 | 183122.1 | S |
| 133.650 | 0.0000 | 0.0000 | 82.562 | 0.02674 | 0.00000 | 319537.6 | 132907.7 | 183122.1 | S |
| 133.658 | 0.0000 | 0.0000 | 82.562 | 0.02674 | 0.00000 | 319537.6 | 132908.5 | 183122.1 | S |
| 133.667 | 0.0000 | 0.0000 | 82.562 | 0.02673 | 0.00000 | 319537.6 | 132909.3 | 183122.1 | S |
| 133.675 | 0.0000 | 0.0000 | 82.562 | 0.02673 | 0.00000 | 319537.6 | 132910.1 | 183122.1 | S |
| 133.683 | 0.0000 | 0.0000 | 82.562 | 0.02673 | 0.00000 | 319537.6 | 132910.9 | 183122.1 | S |
| 133.692 | 0.0000 | 0.0000 | 82.562 | 0.02673 | 0.00000 | 319537.6 | 132911.7 | 183122.1 | S |
| 133.700 | 0.0000 | 0.0000 | 82.561 | 0.02672 | 0.00000 | 319537.6 | 132912.5 | 183122.1 | S |
| 133.708 | 0.0000 | 0.0000 | 82.561 | 0.02672 | 0.00000 | 319537.6 | 132913.3 | 183122.1 | S |
| 133.717 | 0.0000 | 0.0000 | 82.561 | 0.02672 | 0.00000 | 319537.6 | 132914.1 | 183122.1 | S |
| 133.725 | 0.0000 | 0.0000 | 82.561 | 0.02671 | 0.00000 | 319537.6 | 132914.9 | 183122.1 | S |
| 133.733 | 0.0000 | 0.0000 | 82.561 | 0.02671 | 0.00000 | 319537.6 | 132915.7 | 183122.1 | S |
| 133.742 | 0.0000 | 0.0000 | 82.561 | 0.02671 | 0.00000 | 319537.6 | 132916.5 | 183122.1 | S |
| 133.750 | 0.0000 | 0.0000 | 82.561 | 0.02670 | 0.00000 | 319537.6 | 132917.3 | 183122.1 | S |
| 133.758 | 0.0000 | 0.0000 | 82.561 | 0.02670 | 0.00000 | 319537.6 | 132918.1 | 183122.1 | S |
| 133.767 | 0.0000 | 0.0000 | 82.560 | 0.02670 | 0.00000 | 319537.6 | 132918.9 | 183122.1 | S |
| 133.775 | 0.0000 | 0.0000 | 82.560 | 0.02669 | 0.00000 | 319537.6 | 132919.7 | 183122.1 | S |
| 133.783 | 0.0000 | 0.0000 | 82.560 | 0.02669 | 0.00000 | 319537.6 | 132920.5 | 183122.1 | S |
| 133.792 | 0.0000 | 0.0000 | 82.560 | 0.02669 | 0.00000 | 319537.6 | 132921.3 | 183122.1 | S |
| 133.800 | 0.0000 | 0.0000 | 82.560 | 0.02669 | 0.00000 | 319537.6 | 132922.1 | 183122.1 | S |
| 133.808 | 0.0000 | 0.0000 | 82.560 | 0.02668 | 0.00000 | 319537.6 | 132922.9 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (filday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / 5}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{r}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 133.817 | 0.0000 | 0.0000 | 82.560 | 0.02668 | 0.00000 | 319537.6 | 132923.7 | 183122.1 | S |
| 133.825 | 0.0000 | 0.0000 | 82.560 | 0.02668 | 0.00000 | 319537.6 | 132924.5 | 183122.1 | S |
| 133.833 | 0.0000 | 0.0000 | 82.560 | 0.02667 | 0.00000 | 319537.6 | 132925.3 | 183122.1 | S |
| 133.842 | 0.0000 | 0.0000 | 82.559 | 0.02667 | 0.00000 | 319537.6 | 132926.1 | 183122.1 | S |
| 133.850 | 0.0000 | 0.0000 | 82.559 | 0.02667 | 0.00000 | 319537.6 | 132926.9 | 183122.1 | S |
| 133.858 | 0.0000 | 0.0000 | 82.559 | 0.02666 | 0.00000 | 319537.6 | 132927.7 | 183122.1 | S |
| 133.867 | 0.0000 | 0.0000 | 82.559 | 0.02666 | 0.00000 | 319537.6 | 132928.5 | 183122.1 | S |
| 133.875 | 0.0000 | 0.0000 | 82.559 | 0.02666 | 0.00000 | 319537.6 | 132929.3 | 183122.1 | S |
| 133.883 | 0.0000 | 0.0000 | 82.559 | 0.02666 | 0.00000 | 319537.6 | 132930.1 | 183122.1 | S |
| 133.892 | 0.0000 | 0.0000 | 82.559 | 0.02665 | 0.00000 | 319537.6 | 132930.9 | 183122.1 | S |
| 133.900 | 0.0000 | 0.0000 | 82.559 | 0.02665 | 0.00000 | 319537.6 | 132931.7 | 183122.1 | S |
| 133.908 | 0.0000 | 0.0000 | 82.558 | 0.02665 | 0.00000 | 319537.6 | 132932.5 | 183122.1 | S |
| 133.917 | 0.0000 | 0.0000 | 82.558 | 0.02664 | 0.00000 | 319537.6 | 132933.3 | 183122.1 | S |
| 133.925 | 0.0000 | 0.0000 | 82.558 | 0.02664 | 0.00000 | 319537.6 | 132934.1 | 183122.1 | S |
| 133.933 | 0.0000 | 0.0000 | 82.558 | 0.02664 | 0.00000 | 319537.6 | 132934.9 | 183122.1 | S |
| 133.942 | 0.0000 | 0.0000 | 82.558 | 0.02663 | 0.00000 | 319537.6 | 132935.7 | 183122.1 | S |
| 133.950 | 0.0000 | 0.0000 | 82.558 | 0.02663 | 0.00000 | 319537.6 | 132936.5 | 183122.1 | S |
| 133.958 | 0.0000 | 0.0000 | 82.558 | 0.02663 | 0.00000 | 319537.6 | 132937.3 | 183122.1 | S |
| 133.967 | 0.0000 | 0.0000 | 82.558 | 0.02662 | 0.00000 | 319537.6 | 132938.1 | 183122.1 | S |
| 133.975 | 0.0000 | 0.0000 | 82.558 | 0.02662 | 0.00000 | 319537.6 | 132938.9 | 183122.1 | S |
| 133.983 | 0.0000 | 0.0000 | 82.557 | 0.02662 | 0.00000 | 319537.6 | 132939.7 | 183122.1 | S |
| 133.992 | 0.0000 | 0.0000 | 82.557 | 0.02662 | 0.00000 | 319537.6 | 132940.5 | 183122.1 | S |
| 134.000 | 0.0000 | 0.0000 | 82.557 | 0.02661 | 0.00000 | 319537.6 | 132941.3 | 183122.1 | S |
| 134.008 | 0.0000 | 0.0000 | 82.557 | 0.02661 | 0.00000 | 319537.6 | 132942.1 | 183122.1 | S |
| 134.017 | 0.0000 | 0.0000 | 82.557 | 0.02661 | 0.00000 | 319537.6 | 132942.9 | 183122.1 | S |
| 134.025 | 0.0000 | 0.0000 | 82.557 | 0.02660 | 0.00000 | 319537.6 | 132943.7 | 183122.1 | S |
| 134.033 | 0.0000 | 0.0000 | 82.557 | 0.02660 | 0.00000 | 319537.6 | 132944.5 | 183122.1 | S |
| 134.042 | 0.0000 | 0.0000 | 82.557 | 0.02660 | 0.00000 | 319537.6 | 132945.3 | 183122.1 | S |
| 134.050 | 0.0000 | 0.0000 | 82.556 | 0.02659 | 0.00000 | 319537.6 | 132946.1 | 183122.1 | S |
| 134.058 | 0.0000 | 0.0000 | 82.556 | 0.02659 | 0.00000 | 319537.6 | 132946.9 | 183122.1 | S |
| 134.067 | 0.0000 | 0.0000 | 82.556 | 0.02659 | 0.00000 | 319537.6 | 132947.7 | 183122.1 | S |
| 134.075 | 0.0000 | 0.0000 | 82.556 | 0.02658 | 0.00000 | 319537.6 | 132948.5 | 183122.1 | S |
| 134.083 | 0.0000 | 0.0000 | 82.556 | 0.02658 | 0.00000 | 319537.6 | 132949.3 | 183122.1 | S |
| 134.092 | 0.0000 | 0.0000 | 82.556 | 0.02658 | 0.00000 | 319537.6 | 132950.1 | 183122.1 | S |
| 134.100 | 0.0000 | 0.0000 | 82.556 | 0.02658 | 0.00000 | 319537.6 | 132950.9 | 183122.1 | S |
| 134.108 | 0.0000 | 0.0000 | 82.556 | 0.02657 | 0.00000 | 319537.6 | 132951.7 | 183122.1 | S |
| 134.117 | 0.0000 | 0.0000 | 82.555 | 0.02657 | 0.00000 | 319537.6 | 132952.5 | 183122.1 | S |
| 134.125 | 0.0000 | 0.0000 | 82.555 | 0.02657 | 0.00000 | 319537.6 | 132953.3 | 183122.1 | S |
| 134.133 | 0.0000 | 0.0000 | 82.555 | 0.02656 | 0.00000 | 319537.6 | 132954.1 | 183122.1 | S |
| 134.142 | 0.0000 | 0.0000 | 82.555 | 0.02656 | 0.00000 | 319537.6 | 132954.9 | 183122.1 | S |
| 134.150 | 0.0000 | 0.0000 | 82.555 | 0.02656 | 0.00000 | 319537.6 | 132955.7 | 183122.1 | S |
| 134.158 | 0.0000 | 0.0000 | 82.555 | 0.02655 | 0.00000 | 319537.6 | 132956.5 | 183122.1 | S |
| 134.167 | 0.0000 | 0.0000 | 82.555 | 0.02655 | 0.00000 | 319537.6 | 132957.3 | 183122.1 | S |
| 134.175 | 0.0000 | 0.0000 | 82.555 | 0.02655 | 0.00000 | 319537.6 | 132958.1 | 183122.1 | S |
| 134.183 | 0.0000 | 0.0000 | 82.555 | 0.02655 | 0.00000 | 319537.6 | 132958.9 | 183122.1 | S |
| 134.192 | 0.0000 | 0.0000 | 82.554 | 0.02654 | 0.00000 | 319537.6 | 132959.7 | 183122.1 | S |
| 134.200 | 0.0000 | 0.0000 | 82.554 | 0.02654 | 0.00000 | 319537.6 | 132960.5 | 183122.1 | S |
| 134.208 | 0.0000 | 0.0000 | 82.554 | 0.02654 | 0.00000 | 319537.6 | 132961.2 | 183122.1 | S |
| 134.217 | 0.0000 | 0.0000 | 82.554 | 0.02653 | 0.00000 | 319537.6 | 132962.0 | 183122.1 | S |
| 134.225 | 0.0000 | 0.0000 | 82.554 | 0.02653 | 0.00000 | 319537.6 | 132962.8 | 183122.1 | S |
| 134.233 | 0.0000 | 0.0000 | 82.554 | 0.02653 | 0.00000 | 319537.6 | 132963.6 | 183122.1 | S |
| 134.242 | 0.0000 | 0.0000 | 82.554 | 0.02652 | 0.00000 | 319537.6 | 132964.4 | 183122.1 | S |
| 134.250 | 0.0000 | 0.0000 | 82.554 | 0.02652 | 0.00000 | 319537.6 | 132965.2 | 183122.1 | S |
| 134.258 | 0.0000 | 0.0000 | 82.553 | 0.02652 | 0.00000 | 319537.6 | 132966.0 | 183122.1 | S |
| 134.267 | 0.0000 | 0.0000 | 82.553 | 0.02651 | 0.00000 | 319537.6 | 132966.8 | 183122.1 | S |
| 134.275 | 0.0000 | 0.0000 | 82.553 | 0.02651 | 0.00000 | 319537.6 | 132967.6 | 183122.1 | S |
| 134.283 | 0.0000 | 0.0000 | 82.553 | 0.02651 | 0.00000 | 319537.6 | 132968.4 | 183122.1 | S |
| 134.292 | 0.0000 | 0.0000 | 82.553 | 0.02651 | 0.00000 | 319537.6 | 132969.2 | 183122.1 | S |
| 134.300 | 0.0000 | 0.0000 | 82.553 | 0.02650 | 0.00000 | 319537.6 | 132970.0 | 183122.1 | S |
| 134,308 | 0.0000 | 0.0000 | 82.553 | 0.02650 | 0.00000 | 319537.6 | 132970.8 | 183122.1 | S |
| 134.317 | 0.0000 | 0.0000 | 82.553 | 0.02650 | 0.00000 | 319537.6 | 132971.6 | 183122.1 | S |
| 134.325 | 0.0000 | 0.0000 | 82.553 | 0.02649 | 0.00000 | 319537.6 | 132972.4 | 183122.1 | S |
| 134.333 | 0.0000 | 0.0000 | 82.552 | 0.02649 | 0.00000 | 319537.6 | 132973.2 | 183122.1 | S |
| 134.342 | 0.0000 | 0.0000 | 82.552 | 0.02649 | 0.00000 | 319537.6 | 132974.0 | 183122.1 | S |
| 134.350 | 0.0000 | 0.0000 | 82.552 | 0.02648 | 0.00000 | 319537.6 | 132974.8 | 183122.1 | S |
| 134.358 | 0.0000 | 0.0000 | 82.552 | 0.02648 | 0.00000 | 319537.6 | 132975.6 | 183122.1 | S |
| 134.367 | 0.0000 | 0.0000 | 82.552 | 0.02648 | 0.00000 | 319537.6 | 132976.3 | 183122.1 | S |
| 134.375 | 0.0000 | 0.0000 | 82.552 | 0.02648 | 0.00000 | 319537.6 | 132977.1 | 183122.1 | S |
| 134.383 | 0.0000 | 0.0000 | 82.552 | 0.02647 | 0.00000 | 319537.6 | 132977.9 | 183122.1 | S |
| 134.392 | 0.0000 | 0.0000 | 82.552 | 0.02647 | 0.00000 | 319537.6 | 132978.7 | 183122.1 | S |
| 134.400 | 0.0000 | 0.0000 | 82.551 | 0.02647 | 0.00000 | 319537.6 | 132979.5 | 183122.1 | S |
| 134.408 | 0.0000 | 0.0000 | 82.551 | 0.02646 | 0.00000 | 319537.6 | 132980.3 | 183122.1 | S |
| 134.417 | 0.0000 | 0.0000 | 82.551 | 0.02646 | 0.00000 | 319537.6 | 132981.1 | 183122.1 | S |
| 134.425 | 0.0000 | 0.0000 | 82.551 | 0.02646 | 0.00000 | 319537.6 | 132981.9 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/overflow

| Elapsed Time (hours) | Inflow Rate (f $f^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 134.433 | 0.0000 | 0.0000 | 82.551 | 0.02645 | 0.00000 | 319537.6 | 132982.7 | 183122.1 | S |
| 134.442 | 0.0000 | 0.0000 | 82.551 | 0.02645 | 0.00000 | 319537.6 | 132983.5 | 183122.1 | S |
| 134.450 | 0.0000 | 0.0000 | 82.551 | 0.02645 | 0.00000 | 319537.6 | 132984.3 | 183122.1 | S |
| 134.458 | 0.0000 | 0.0000 | 82.551 | 0.02645 | 0.00000 | 319537.6 | 132985.1 | 183122.1 | S |
| 134.467 | 0.0000 | 0.0000 | 82.550 | 0.02644 | 0.00000 | 319537.6 | 132985.9 | 183122.1 | S |
| 134.475 | 0.0000 | 0.0000 | 82.550 | 0.02644 | 0.00000 | 319537.6 | 132986.7 | 183122.3 | S |
| 134.483 | 0.0000 | 0.0000 | 82.550 | 0.02644 | 0.00000 | 319537.6 | 132987.5 | 183122.3 | S |
| 134.492 | 0.0000 | 0.0000 | 82.550 | 0.02643 | 0.00000 | 319537.6 | 132988.3 | 183122.1 | S |
| 134.500 | 0.0000 | 0.0000 | 82.550 | 0.02643 | 0.00000 | 319537.6 | 132989.0 | 183122.1 | S |
| 134.508 | 0.0000 | 0.0000 | 82.550 | 0.02643 | 0.00000 | 319537.6 | 132989.8 | 183122.1 | S |
| 134.517 | 0.0000 | 0.0000 | 82.550 | 0.02642 | 0.00000 | 319537.6 | 132990.6 | 183122.1 | S |
| 134.525 | 0.0000 | 0.0000 | 82.550 | 0.02642 | 0.00000 | 319537.6 | 132991.4 | 183122.1 | S |
| 134.533 | 0.0000 | 0.0000 | 82.550 | 0.02642 | 0.00000 | 319537.6 | 132992.2 | 183122.1 | S |
| 134.542 | 0.0000 | 0.0000 | 82.549 | 0.02641 | 0.00000 | 319537.6 | 132993.0 | 183122.1 | S |
| 134.550 | 0.0000 | 0.0000 | 82.549 | 0.02641 | 0.00000 | 319537.6 | 132993.8 | 183122.1 | S |
| 134.558 | 0.0000 | 0.0000 | 82.549 | 0.02641 | 0.00000 | 319537.6 | 132994.6 | 183122.1 | S |
| 134.567 | 0.0000 | 0.0000 | 82.549 | 0.02641 | 0.00000 | 319537.6 | 132995.4 | 183122.1 | S |
| 134.575 | 0.0000 | 0.0000 | 82.549 | 0.02640 | 0.00000 | 319537.6 | 132996.2 | 183122.1 | S |
| 134.583 | 0.0000 | 0.0000 | 82.549 | 0.02640 | 0.00000 | 319537.6 | 132997.0 | 183122.1 | S |
| 134.592 | 0.0000 | 0.0000 | 82.549 | 0.02640 | 0.00000 | 319537.6 | 132997.8 | 183122.1 | S |
| 134.600 | 0.0000 | 0.0000 | 82.549 | 0.02639 | 0.00000 | 319537.6 | 132998.6 | 183122.1 | S |
| 134.608 | 0.0000 | 0.0000 | 82.548 | 0.02639 | 0.00000 | 319537.6 | 132999.3 | 183122.1 | S |
| 134.617 | 0.0000 | 0.0000 | 82.548 | 0.02639 | 0.00000 | 319537.6 | 133000.1 | 183122.1 | S |
| 134.625 | 0.0000 | 0.0000 | 82.548 | 0.02638 | 0.00000 | 319537.6 | 133000.9 | 183122.1 | S |
| 134.633 | 0.0000 | 0.0000 | 82.548 | 0.02638 | 0.00000 | 319537.6 | 133001.7 | 183122.1 | S |
| 134.642 | 0.0000 | 0.0000 | 82.548 | 0.02638 | 0.00000 | 319537.6 | 133002.5 | 183122.1 | S |
| 134.650 | 0.0000 | 0.0000 | 82.548 | 0.02638 | 0.00000 | 319537.6 | 133003.3 | 183122.1 | S |
| 134.658 | 0.0000 | 0.0000 | 82.548 | 0.02637 | 0.00000 | 319537.6 | 133004.1 | 183122.1 | S |
| 134.667 | 0.0000 | 0.0000 | 82.548 | 0.02637 | 0.00000 | 319537.6 | 133004.9 | 183122.1 | S |
| 134.675 | 0.0000 | 0.0000 | 82.548 | 0.02637 | 0.00000 | 319537.6 | 133005.7 | 183122.1 | S |
| 134.683 | 0.0000 | 0.0000 | 82.547 | 0.02636 | 0.00000 | 319537.6 | 133006.5 | 183122.1 | S |
| 134.692 | 0.0000 | 0.0000 | 82.547 | 0.02636 | 0.00000 | 319537.6 | 133007.3 | 183122.1 | S |
| 134.700 | 0.0000 | 0.0000 | 82.547 | 0.02636 | 0.00000 | 319537.6 | 133008.0 | 183122.1 | S |
| 134.708 | 0.0000 | 0.0000 | 82.547 | 0.02635 | 0.00000 | 319537.6 | 133008.8 | 183122.1 | S |
| 134.717 | 0.0000 | 0.0000 | 82.547 | 0.02635 | 0.00000 | 319537.6 | 133009.6 | 183122.1 | S |
| 134.725 | 0.0000 | 0.0000 | 82.547 | 0.02635 | 0.00000 | 319537.6 | 133010.4 | 183122.1 | S |
| 134.733 | 0.0000 | 0.0000 | 82.547 | 0.02635 | 0.00000 | 319537.6 | 133011.2 | 183122.1 | S |
| 134.742 | 0.0000 | 0.0000 | 82.547 | 0.02634 | 0.00000 | 319537.6 | 133012.0 | 183122.1 | S |
| 134.750 | 0.0000 | 0.0000 | 82.546 | 0.02634 | 0.00000 | 319537.6 | 133012.8 | 183122.1 | S |
| 134.758 | 0.0000 | 0.0000 | 82.546 | 0.02634 | 0.00000 | 319537.6 | 133013.6 | 183122.1 | S |
| 134.767 | 0.0000 | 0.0000 | 82.546 | 0.02633 | 0.00000 | 319537.6 | 133014.4 | 183122.1 | S |
| 134.775 | 0.0000 | 0.0000 | 82.546 | 0.02633 | 0.00000 | 319537.6 | 133015.2 | 183122.1 | S |
| 134.783 | 0.0000 | 0.0000 | 82.546 | 0.02633 | 0.00000 | 319537.6 | 133016.0 | 183122.1 | S |
| 134.792 | 0.0000 | 0.0000 | 82.546 | 0.02632 | 0.00000 | 319537.6 | 133016.8 | 183122.1 | S |
| 134.800 | 0.0000 | 0.0000 | 82.546 | 0.02632 | 0.00000 | 319537.6 | 133017.5 | 183122.1 | S |
| 134.808 | 0.0000 | 0.0000 | 82.546 | 0.02632 | 0.00000 | 319537.6 | 133018.3 | 183122.1 | S |
| 134.817 | 0.0000 | 0.0000 | 82.546 | 0.02632 | 0.00000 | 319537.6 | 133019.1 | 183122.1 | S |
| 134.825 | 0.0000 | 0.0000 | 82.545 | 0.02631 | 0.00000 | 319537.6 | 133019.9 | 183122.1 | S |
| 134.833 | 0.0000 | 0.0000 | 82.545 | 0.02631 | 0.00000 | 319537.6 | 133020.7 | 183122.1 | S |
| 134.842 | 0.0000 | 0.0000 | 82.545 | 0.02631 | 0.00000 | 319537.6 | 133021.5 | 183122.1 | S |
| 134.850 | 0.0000 | 0.0000 | 82.545 | 0.02630 | 0.00000 | 319537.6 | 133022.3 | 183122.1 | S |
| 134.858 | 0.0000 | 0.0000 | 82.545 | 0.02630 | 0.00000 | 319537.6 | 133023.1 | 483122.1 | S |
| 134.867 | 0.0000 | 0.0000 | 82.545 | 0.02630 | 0.00000 | 319537.6 | 133023.8 | 183122.1 | S |
| 134.875 | 0.0000 | 0.0000 | 82.545 | 0.02629 | 0.00000 | 319537.6 | 133024.6 | \$83122.f | S |
| 134.883 | 0.0000 | 0.0000 | 82.545 | 0.02629 | 0.00000 | 319537.6 | 133025.4 | 183122.4 | S |
| 134.892 | 0.0000 | 0.0000 | 82.544 | 0.02629 | 0.00000 | 319537.6 | 133026.2 | 183122.1 | S |
| 134.900 | 0.0000 | 0.0000 | 82.544 | 0.02629 | 0.00000 | 319537.6 | 133027.0 | 183122.1 | S |
| 134.908 | 0.0000 | 0.0000 | 82.544 | 0.02628 | 0.00000 | 319537.6 | 133027.8 | 183122.1 | S |
| 134.917 | 0.0000 | 0.0000 | 82.544 | 0.02628 | 0.00000 | 319537.6 | 133028.6 | 183122.1 | S |
| 134.925 | 0.0000 | 0.0000 | 82.544 | 0.02628 | 0.00000 | 319537.6 | 133029.4 | 183722,1 | S |
| 134.933 | 0.0000 | 0.0000 | 82.544 | 0.02627 | 0.00000 | 319537.6 | 133030.2 | 183122.1 | S |
| 134.942 | 0.0000 | 0.0000 | 82.544 | 0.02627 | 0.00000 | 319537.6 | 133030.9 | 183122.1 | S |
| 134.950 | 0.0000 | 0.0000 | 82.544 | 0.02627 | 0.00000 | 319537.6 | 133031.7 | 183122.1 | S |
| 134.958 | 0.0000 | 0.0000 | 82.544 | 0.02626 | 0.00000 | 319537.6 | 133032.5 | 183122.1 | S |
| 134.967 | 0.0000 | 0.0000 | 82.543 | 0.02626 | 0.00000 | 319537.6 | 133033.3 | 183122.1 | S |
| 134.975 | 0.0000 | 0.0000 | 82.543 | 0.02626 | 0.00000 | 319537.6 | 133034.1 | 183122.1 | S |
| 134.983 | 0.0000 | 0.0000 | 82.543 | 0.02626 | 0.00000 | 319537.6 | 133034.9 | 183122.1 | S |
| 134.992 | 0.0000 | 0.0000 | 82.543 | 0.02625 | 0.00000 | 319537.6 | 133035.7 | 183122.1 | S |
| 135.000 | 0.0000 | 0.0000 | 82.543 | 0.02625 | 0.00000 | 319537.6 | 133036.5 | 183122.1 | S |
| 135.008 | 0.0000 | 0.0000 | 82.543 | 0.02625 | 0.00000 | 319537.6 | 133037.3 | 183122.1 | S |
| 135.017 | 0.0000 | 0.0000 | 82.543 | 0.02624 | 0.00000 | 319537.6 | 133038.0 | 183122.1 | S |
| 135.025 | 0.0000 | 0.0000 | 82.543 | 0.02624 | 0.00000 | 319537.6 | 133038.8 | 183122.1 | S |
| 135.033 | 0.0000 | 0.0000 | 82.542 | 0.02624 | 0.00000 | 319537.6 | 133039.6 | 183122.1 | S |
| 135.042 | 0.0000 | 0.0000 | 82.542 | 0.02623 | 0.00000 | 319537.6 | 133040.4 | 183122.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond $10100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft daturn) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 135.050 | 0.0000 | 0.0000 | 82.542 | 0.02623 | 0.00000 | 319537.6 | 133041.2 | 183122.1 | S |
| 135.058 | 0.0000 | 0.0000 | 82.542 | 0.02623 | 0.00000 | 319537.6 | 133042.0 | 183122.1 | S |
| 135.067 | 0.0000 | 0.0000 | 82.542 | 0.02623 | 0.00000 | 319537.6 | 133042.8 | 183122.1 | S |
| 135.075 | 0.0000 | 0.0000 | 82.542 | 0.02622 | 0.00000 | 319537.6 | 133043.5 | 183122.4 | S |
| 135.083 | 0.0000 | 0.0000 | 82.542 | 0.02622 | 0.00000 | 319537.6 | 133044.3 | 183122.1 | S |
| 135.092 | 0.0000 | 0.0000 | 82.542 | 0.02622 | 0.00000 | 319537.6 | 133045.1 | 183122.1 | S |
| 135.100 | 0.0000 | 0.0000 | 82.542 | 0.02621 | 0.00000 | 319537.6 | 133045.9 | 183122.1 | S |
| 135.108 | 0.0000 | 0.0000 | 82.541 | 0.02621 | 0.00000 | 319537.6 | 133046.7 | 183122.1 | S |
| 135.117 | 0.0000 | 0.0000 | 82.541 | 0.02621 | 0.00000 | $3 \uparrow 9537.6$ | 133047.5 | 183122.1 | S |
| 135.125 | 0.0000 | 0.0000 | 82.541 | 0.02620 | 0.00000 | 319537.6 | 133048.3 | 183122.1 | S |
| 135.133 | 0.0000 | 0.0000 | 82.541 | 0.02620 | 0.00000 | 319537.6 | 133049.0 | 183122.1 | S |
| 135.142 | 0.0000 | 0.0000 | 82.541 | 0.02620 | 0.00000 | 319537.6 | 133049.8 | 183122.1 | S |
| 135.150 | 0.0000 | 0.0000 | 82.541 | 0.02620 | 0.00000 | 319537.6 | 133050.6 | 183122.1 | S |
| 135.158 | 0.0000 | 0.0000 | 82.541 | 0.02619 | 0.00000 | 319537.6 | 133051.4 | 183122.1 | S |
| 135.167 | 0.0000 | 0.0000 | 82.541 | 0.02619 | 0.00000 | 319537.6 | 133052.2 | 183122.1 | S |
| 135.175 | 0.0000 | 0.0000 | 82.540 | 0.02619 | 0.00000 | 319537.6 | 133053.0 | 183122.1 | S |
| 135.183 | 0.0000 | 0.0000 | 82.540 | 0.02618 | 0.00000 | 319537.6 | 133053.8 | 183122.1 | S |
| 135.192 | 0.0000 | 0.0000 | 82.540 | 0.02618 | 0.00000 | 319537.6 | 133054.5 | 183122.1 | S |
| 135.200 | 0.0000 | 0.0000 | 82.540 | 0.02618 | 0.00000 | 319537.6 | 133055.3 | 183122.1 | S |
| 135.208 | 0.0000 | 0.0000 | 82.540 | 0.02617 | 0.00000 | 319537.6 | 133056.1 | 183122.1 | S |
| 135.217 | 0.0000 | 0.0000 | 82.540 | 0.02617 | 0.00000 | 319537.6 | \$33056.9 | 183122.1 | S |
| 135.225 | 0.0000 | 0.0000 | 82.540 | 0.02617 | 0.00000 | 319537.6 | 133057.7 | 183122.1 | S |
| 135.233 | 0.0000 | 0.0000 | 82.540 | 0.02617 | 0.00000 | 319537.6 | 133058.5 | 183122.1 | S |
| 135.242 | 0.0000 | 0.0000 | 82.540 | 0.02616 | 0.00000 | 319537.6 | 133059.3 | 183122.4 | S |
| 135.250 | 0.0000 | 0.0000 | 82.539 | 0.02616 | 0.00000 | 319537.6 | 133060.0 | 183122.1 | S |
| 135.258 | 0.0000 | 0.0000 | 82.539 | 0.02616 | 0.00000 | 319537.6 | 133060.8 | 183122.1 | S |
| 135.267 | 0.0000 | 0.0000 | 82.539 | 0.02615 | 0.00000 | 319537.6 | 133061.6 | 183122.1 | S |
| 135.275 | 0.0000 | 0.0000 | 82.539 | 0.02615 | 0.00000 | 319537.6 | 133062.4 | 183122.1 | S |
| 135.283 | 0.0000 | 0.0000 | 82.539 | 0.02615 | 0.00000 | 319537.6 | 133063.2 | 183122.1 | S |
| 135.292 | 0.0000 | 0.0000 | 82.539 | 0.02614 | 0.00000 | 319537.6 | 133064.0 | 183122.1 | S |
| 135.300 | 0.0000 | 0.0000 | 82.539 | 0.02614 | 0.00000 | 319537.6 | 133064.8 | 183122.1 | S |
| 135.308 | 0.0000 | 0.0000 | 82.539 | 0.02614 | 0.00000 | 319537.6 | 133065.5 | 183122.1 | S |
| 135.317 | 0.0000 | 0.0000 | 82.538 | 0.02614 | 0.00000 | 319537.6 | 133066.3 | 183122.1 | S |
| 135.325 | 0.0000 | 0.0000 | 82.538 | 0.02613 | 0.00000 | 319537.6 | 133067.1 | 183122.1 | S |
| 135.333 | 0.0000 | 0.0000 | 82.538 | 0.02613 | 0.00000 | 319537.6 | 133067.9 | 183122.1 | S |
| 135.342 | 0.0000 | 0.0000 | 82.538 | 0.02613 | 0.00000 | 319537.6 | 133068.7 | 183122.1 | S |
| 135.350 | 0.0000 | 0.0000 | 82.538 | 0.02612 | 0.00000 | 319537.6 | 133069.5 | 183122.1 | S |
| 135.358 | 0.0000 | 0.0000 | 82.538 | 0.02612 | 0.00000 | 319537.6 | 133070.2 | 183122.1 | S |
| 135.367 | 0.0000 | 0.0000 | 82.538 | 0.02612 | 0.00000 | 319537.6 | 133071.0 | 183122.1 | S |
| 135.375 | 0.0000 | 0.0000 | 82.538 | 0.02612 | 0.00000 | 319537.6 | 133071.8 | 183122.1 | S |
| 135.383 | 0.0000 | 0.0000 | 82.538 | 0.02611 | 0.00000 | 319537.6 | 133072.6 | 183122.1 | S |
| 135.392 | 0.0000 | 0.0000 | 82.537 | 0.02611 | 0.00000 | 319537.6 | 133073.4 | 183122.1 | S |
| 135.400 | 0.0000 | 0.0000 | 82.537 | 0.02611 | 0.00000 | 319537.6 | 133074.2 | 183122.1 | S |
| 135.408 | 0.0000 | 0.0000 | 82.537 | 0.02610 | 0.00000 | 319537.6 | 133074.9 | 183122.1 | S |
| 135.417 | 0.0000 | 0.0000 | 82.537 | 0.02610 | 0.00000 | 319537.6 | 133075.7 | 183122.1 | S |
| 135.425 | 0.0000 | 0.0000 | 82.537 | 0.02610 | 0.00000 | 319537.6 | 133076.5 | 183122.1 | S |
| 135.433 | 0.0000 | 0.0000 | 82.537 | 0.02609 | 0.00000 | 319537.6 | 133077.3 | 183122.1 | S |
| 135.442 | 0.0000 | 0.0000 | 82.537 | 0.02609 | 0.00000 | 319537.6 | 133078.1 | 183122.1 | S |
| 135.450 | 0.0000 | 0.0000 | 82.537 | 0.02609 | 0.00000 | 319537.6 | 133078.9 | 183122.1 | S |
| 135.458 | 0.0000 | 0.0000 | 82.536 | 0.02609 | 0.00000 | 319537.6 | 133079.6 | 183122.1 | S |
| 135.467 | 0.0000 | 0.0000 | 82.536 | 0.02608 | 0.00000 | 319537.6 | 133080.4 | 183122.1 | S |
| 135.475 | 0.0000 | 0.0000 | 82.536 | 0.02608 | 0.00000 | 319537.6 | 133081.2 | 183122.1 | S |
| 135.483 | 0.0000 | 0.0000 | 82.536 | 0.02608 | 0.00000 | 319537.6 | 133082.0 | 183122.1 | S |
| 135.492 | 0.0000 | 0.0000 | 82.536 | 0.02607 | 0.00000 | 319537.6 | 133082.8 | 183122.1 | S |
| 135.500 | 0.0000 | 0.0000 | 82.536 | 0.02607 | 0.00000 | 319537.6 | 133083.5 | 183122.1 | S |
| 135.508 | 0.0000 | 0.0000 | 82.536 | 0.02607 | 0.00000 | 319537.6 | 133084.3 | 183122.1 | S |
| 135.517 | 0.0000 | 0.0000 | 82.536 | 0.02606 | 0.00000 | 319537.6 | 133085.1 | 183122.1 | S |
| 135.525 | 0.0000 | 0.0000 | 82.536 | 0.02606 | 0.00000 | 319537.6 | 133085.9 | 183122.1 | S |
| 135.533 | 0.0000 | 0.0000 | 82.535 | 0.02606 | 0.00000 | 319537.6 | 133086.7 | 183122.1 | S |
| 135.542 | 0.0000 | 0.0000 | 82.535 | 0.02606 | 0.00000 | 319537.6 | 133087.5 | 183122.1 | S |
| 135.550 | 0.0000 | 0.0000 | 82.535 | 0.02605 | 0.00000 | 319537.6 | 133088.2 | 183122.1 | S |
| 135.558 | 0.0000 | 0.0000 | 82.535 | 0.02605 | 0.00000 | 319537.6 | 133089.0 | 183122.1 | S |
| 135.567 | 0.0000 | 0.0000 | 82.535 | 0.02605 | 0.00000 | 319537.6 | 133089.8 | 183122.1 | S |
| 135.575 | 0.0000 | 0.0000 | 82.535 | 0.02604 | 0.00000 | 319537.6 | 133090.6 | 183122.1 | S |
| 135.583 | 0.0000 | 0.0000 | 82.535 | 0.02604 | 0.00000 | 319537.6 | 133091.4 | 183122.1 | S |
| 135.592 | 0.0000 | 0.0000 | 82.535 | 0.02604 | 0.00000 | 319537.6 | 133092.1 | 183122.1 | S |
| 135.600 | 0.0000 | 0.0000 | 82.534 | 0.02604 | 0.00000 | 319537.6 | 133092.9 | 183122.1 | S |
| 135.608 | 0.0000 | 0.0000 | 82.534 | 0.02603 | 0.00000 | 319537.6 | 133093.7 | 183122.$\}$ | S |
| 135.617 | 0.0000 | 0.0000 | 82.534 | 0.02603 | 0.00000 | 319537.6 | 133094.5 | 183122.1 | S |
| 135.625 | 0.0000 | 0.0000 | 82.534 | 0.02603 | 0.00000 | 319537.6 | 133095.3 | 183122.1 | S |
| 135.633 | 0.0000 | 0.0000 | 82.534 | 0.02602 | 0.00000 | 319537.6 | 133096.0 | 183122.1 | S |
| 135.642 | 0.0000 | 0.0000 | 82.534 | 0.02602 | 0.00000 | 319537.6 | 133096.8 | 183122.1 | S |
| 135.650 | 0.0000 | 0.0000 | 82.534 | 0.02602 | 0.00000 | 319537.6 | 133097.6 | 183122.1 | S |
| 135.658 | 0.0000 | 0.0000 | 82.534 | 0.02601 | 0.00000 | 319537.6 | \$33098.4 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( f ${ }^{1 / s}$ ) | Overllow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infilitration Volume $\left(\mathrm{f}^{3}\right.$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 135.667 | 0.0000 | 0.0000 | 82.534 | 0.02601 | 0.00000 | 319537.6 | 133099.2 | 183122.1 | S |
| 135.675 | 0.0000 | 0.0000 | 82.533 | 0.02601 | 0.00000 | 319537.6 | 133100.0 | 183122.1 | S |
| 135.683 | 0.0000 | 0.0000 | 82.533 | 0.02601 | 0.00000 | 319537.6 | 133100.7 | 183122.1 | S |
| 135.692 | 0.0000 | 0.0000 | 82.533 | 0.02600 | 0.00000 | 319537.6 | 133101.5 | 183122.1 | S |
| 135.700 | 0.0000 | 0.0000 | 82.533 | 0.02600 | 0.00000 | 319537.6 | 133102.3 | 183122.1 | S |
| 135.708 | 0.0000 | 0.0000 | 82.533 | 0.02600 | 0.00000 | 319537.6 | 133103.1 | 183122.1 | S |
| 135.717 | 0.0000 | 0.0000 | 82.533 | 0.02599 | 0.00000 | 319537.6 | 133103.9 | 183122.1 | S |
| 135.725 | 0.0000 | 0.0000 | 82.533 | 0.02599 | 0.00000 | 319537.6 | 133104.6 | 183122.1 | S |
| 135.733 | 0.0000 | 0.0000 | 82.533 | 0.02599 | 0.00000 | 319537.6 | 133105.4 | 183122.1 | S |
| 135.742 | 0.0000 | 0.0000 | 82.532 | 0.02598 | 0.00000 | 319537.6 | 133106.2 | 183122.1 | S |
| 135.750 | 0.0000 | 0.0000 | 82.532 | 0.02598 | 0.00000 | 319537.6 | 133107.0 | 183122.1 | S |
| 135.758 | 0.0000 | 0.0000 | 82.532 | 0.02598 | 0.00000 | 319537.6 | 133107.8 | 183122.1 | S |
| 135.767 | 0.0000 | 0.0000 | 82.532 | 0.02598 | 0.00000 | 319537.6 | 133108.5 | 183122.1 | S |
| 135.775 | 0.0000 | 0.0000 | 82.532 | 0.02597 | 0.00000 | 319537.6 | 133109.3 | 183122.1 | S |
| 135.783 | 0.0000 | 0.0000 | 82.532 | 0.02597 | 0.00000 | 319537.6 | 133110.1 | 183122.1 | S |
| 135.792 | 0.0000 | 0.0000 | 82.532 | 0.02597 | 0.00000 | 319537.6 | 133110.9 | 183122.7 | S |
| 135.800 | 0.0000 | 0.0000 | 82.532 | 0.02596 | 0.00000 | 319537.6 | 133111.6 | 183122.1 | S |
| 135.808 | 0.0000 | 0.0000 | 82.532 | 0.02596 | 0.00000 | 319537.6 | 133112.4 | 183122.1 | S |
| 135.817 | 0.0000 | 0.0000 | 82.531 | 0.02596 | 0.00000 | 319537.6 | 133113.2 | 183122.1 | S |
| 135.825 | 0.0000 | 0.0000 | 82.531 | 0.02596 | 0.00000 | 319537.6 | 133114.0 | 183122.1 | S |
| 135.833 | 0.0000 | 0.0000 | 82.531 | 0.02595 | 0.00000 | 319537.6 | 133114.8 | 183122.1 | S |
| 135.842 | 0.0000 | 0.0000 | 82.531 | 0.02595 | 0.00000 | 319537.6 | 133115.5 | 183122.1 | S |
| 135.850 | 0.0000 | 0.0000 | 82.531 | 0.02595 | 0.00000 | 319537.6 | 133116.3 | 183122.1 | S |
| 135.858 | 0.0000 | 0.0000 | 82.531 | 0.02594 | 0.00000 | 319537.6 | 133117.1 | 183122.1 | S |
| 135.867 | 0.0000 | 0.0000 | 82.531 | 0.02594 | 0.00000 | 319537.6 | 133117.9 | 183122.1 | S |
| 135.875 | 0.0000 | 0.0000 | 82.531 | 0.02594 | 0.00000 | 319537.6 | 133118.7 | 183122.1 | S |
| 135.883 | 0.0000 | 0.0000 | 82.530 | 0.02593 | 0.00000 | 319537.6 | 133119.4 | 183122.1 | S |
| 135.892 | 0.0000 | 0.0000 | 82.530 | 0.02593 | 0.00000 | 319537.6 | 133120.2 | 183122.1 | S |
| 135.900 | 0.0000 | 0.0000 | 82.530 | 0.02593 | 0.00000 | 319537.6 | 133121.0 | 183122.1 | S |
| 135.908 | 0.0000 | 0.0000 | 82.530 | 0.02593 | 0.00000 | 319537.6 | 133121.8 | 183122.1 | S |
| 135.917 | 0.0000 | 0.0000 | 82.530 | 0.02592 | 0.00000 | 319537.6 | 133122.5 | 183122.1 | S |
| 135.925 | 0.0000 | 0.0000 | 82.530 | 0.02592 | 0.00000 | 319537.6 | 133123.3 | 183122.1 | S |
| 135.933 | 0.0000 | 0.0000 | 82.530 | 0.02592 | 0.00000 | 319537.6 | 133124.1 | 183122.1 | S |
| 135.942 | 0.0000 | 0.0000 | 82.530 | 0.02591 | 0.00000 | 319537.6 | 133124.9 | 183122.1 | S |
| 135.950 | 0.0000 | 0.0000 | 82.530 | 0.02591 | 0.00000 | 319537.6 | 133125.7 | 183122.1 | S |
| 135.958 | 0.0000 | 0.0000 | 82.529 | 0.02591 | 0.00000 | 319537.6 | 133126.4 | 183122.1 | S |
| 135.967 | 0.0000 | 0.0000 | 82.529 | 0.02591 | 0.00000 | 319537.6 | 133727.2 | 183122.1 | S |
| 135.975 | 0.0000 | 0.0000 | 82.529 | 0.02590 | 0.00000 | 319537.6 | 133128.0 | 183122.1 | S |
| 135.983 | 0.0000 | 0.0000 | 82.529 | 0.02590 | 0.00000 | 319537.6 | 133128.8 | 183122.1 | S |
| 135.992 | 0.0000 | 0.0000 | 82.529 | 0.02590 | 0.00000 | 319537.6 | 133129.5 | 183122.1 | S |
| 136.000 | 0.0000 | 0.0000 | 82.529 | 0.02589 | 0.00000 | 319537.6 | 133130.3 | 183122.1 | S |
| 136.008 | 0.0000 | 0.0000 | 82.529 | 0.02589 | 0.00000 | 319537.6 | 133131.1 | 183122.1 | S |
| 136.017 | 0.0000 | 0.0000 | 82.529 | 0.02589 | 0.00000 | 319537.6 | 133131.9 | 183122.1 | S |
| 136.025 | 0.0000 | 0.0000 | 82.529 | 0.02588 | 0.00000 | 319537.6 | 133132.6 | 183122.1 | S |
| 136.033 | 0.0000 | 0.0000 | 82.528 | 0.02588 | 0.00000 | 319537.6 | 133133.4 | 183122.1 | S |
| 136.042 | 0.0000 | 0.0000 | 82.528 | 0.02588 | 0.00000 | 319537.6 | 133134.2 | 183122.1 | S |
| 136.050 | 0.0000 | 0.0000 | 82.528 | 0.02588 | 0.00000 | 319537.6 | 133135.0 | 183122.1 | S |
| 136.058 | 0.0000 | 0.0000 | 82.528 | 0.02587 | 0.00000 | 319537.6 | 133135.8 | 183122.1 | S |
| 136.067 | 0.0000 | 0.0000 | 82.528 | 0.02587 | 0.00000 | 319537.6 | 133136.5 | 183122.1 | S |
| 136.075 | 0.0000 | 0.0000 | 82.528 | 0.02587 | 0.00000 | 319537.6 | 133137.3 | 183122.1 | S |
| 136.083 | 0.0000 | 0.0000 | 82.528 | 0.02586 | 0.00000 | 319537.6 | 133138.1 | 183122.1 | S |
| 136.092 | 0.0000 | 0.0000 | 82.528 | 0.02586 | 0.00000 | 319537.6 | 133138.9 | 183122.1 | S |
| 136.100 | 0.0000 | 0.0000 | 82.527 | 0.02586 | 0.00000 | 319537.6 | 133139.6 | 183122.1 | S |
| 136.108 | 0.0000 | 0.0000 | 82.527 | 0.02586 | 0.00000 | 319537.6 | 133140.4 | 183122.1 | S |
| 136.117 | 0.0000 | 0.0000 | 82.527 | 0.02585 | 0.00000 | 319537.6 | 133141.2 | 183122.1 | S |
| 136.125 | 0.0000 | 0.0000 | 82.527 | 0.02585 | 0.00000 | 319537.6 | 133142.0 | 183122.1 | S |
| 136.133 | 0.0000 | 0.0000 | 82.527 | 0.02585 | 0.00000 | 319537.6 | 133142.7 | 183122.1 | S |
| 136.142 | 0.0000 | 0.0000 | 82.527 | 0.02584 | 0.00000 | 319537.6 | 133143.5 | 183122.1 | S |
| 136.150 | 0.0000 | 0.0000 | 82.527 | 0.02584 | 0.00000 | 319537.6 | 133144.3 | 183122.1 | S |
| 136.158 | 0.0000 | 0.0000 | 82.527 | 0.02584 | 0.00000 | 319537.6 | 133145.1 | 183122.1 | S |
| 136.167 | 0.0000 | 0.0000 | 82.527 | 0.02584 | 0.00000 | 319537.6 | 133145.8 | 183122.1 | S |
| 136.175 | 0.0000 | 0.0000 | 82.526 | 0.02583 | 0.00000 | 319537.6 | 133146.6 | 183122.1 | S |
| 136.183 | 0.0000 | 0.0000 | 82.526 | 0.02583 | 0.00000 | 319537.6 | 133147.4 | 183122.1 | S |
| 136.192 | 0.0000 | 0.0000 | 82.526 | 0.02583 | 0.00000 | 319537.6 | 133148.2 | 183122.1 | S |
| 136.200 | 0.0000 | 0.0000 | 82.526 | 0.02582 | 0.00000 | 319537.6 | 133148.9 | 183122.1 | S |
| 136.208 | 0.0000 | 0.0000 | 82.526 | 0.02582 | 0.00000 | 319537.6 | 133149.7 | 183122.1 | S |
| 136.217 | 0.0000 | 0.0000 | 82.526 | 0.02582 | 0.00000 | 319537.6 | 133150.5 | 183122.1 | S |
| 136.225 | 0.0000 | 0.0000 | 82.526 | 0.02581 | 0.00000 | 319537.6 | 133151.3 | 183122.1 | S |
| 136.233 | 0.0000 | 0.0000 | 82.526 | 0.02581 | 0.00000 | 319537.6 | 133152.0 | 183122.1 | S |
| 136.242 | 0.0000 | 0.0000 | 82.525 | 0.02581 | 0.00000 | 319537.6 | 133152.8 | 183122.1 | S |
| 136.250 | 0.0000 | 0.0000 | 82.525 | 0.02581 | 0.00000 | 319537.6 | 133153.6 | 183122.1 | S |
| 136.258 | 0.0000 | 0.0000 | 82.525 | 0.02580 | 0.00000 | 319537.6 | 133154.4 | 183122.1 | S |
| 136.267 | 0.0000 | 0.0000 | 82.525 | 0.02580 | 0.00000 | 319537.6 | 133155.1 | 183122.1 | S |
| 136.275 | 0.0000 | 0.0000 | 82.525 | 0.02580 | 0.00000 | 319537.6 | 133155.9 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/overflow

| Elapsed Time (hours) | Inflow Rate (ftys) | Outside Recharge (ft/day) | Stage Elevation (fl datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge (ft ${ }^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{fr}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 136.283 | 0.0000 | 0.0000 | 82.525 | 0.02579 | 0.00000 | 319537.6 | 133156.7 | 183122.1 | S |
| 136.292 | 0.0000 | 0.0000 | 82.525 | 0.02579 | 0.00000 | 319537.6 | 133157.5 | 183122.1 | S |
| 136.300 | 0.0000 | 0.0000 | 82.525 | 0.02579 | 0.00000 | 319537.6 | 133158.2 | 183122.1 | S |
| 136.308 | 0.0000 | 0.0000 | 82.525 | 0.02579 | 0.00000 | 319537.6 | 133159.0 | 183122.1 | S |
| 136.317 | 0.0000 | 0.0000 | 82.524 | 0.02578 | 0.00000 | 319537.6 | 133159.8 | 183122.1 | S |
| 136.325 | 0.0000 | 0.0000 | 82.524 | 0.02578 | 0.00000 | 319537.6 | 133160.5 | 183122.1 | S |
| 136.333 | 0.0000 | 0.0000 | 82.524 | 0.02578 | 0.00000 | 319537.6 | 133161.3 | 183122.1 | S |
| 136.342 | 0.0000 | 0.0000 | 82.524 | 0.02577 | 0.00000 | 319537.6 | 133162.1 | 183122.1 | S |
| 136.350 | 0.0000 | 0.0000 | 82.524 | 0.02577 | 0.00000 | 319537.6 | 133162.9 | 183122.1 | S |
| 136.358 | 0.0000 | 0.0000 | 82.524 | 0.02577 | 0.00000 | 319537.6 | 133163.6 | 183122.1 | S |
| 136.367 | 0.0000 | 0.0000 | 82.524 | 0.02577 | 0.00000 | 319537.6 | 133164.4 | 183122.1 | S |
| 136.375 | 0.0000 | 0.0000 | 82.524 | 0.02576 | 0.00000 | 319537.6 | 133165.2 | 183122.1 | S |
| 136.383 | 0.0000 | 0.0000 | 82.524 | 0.02576 | 0.00000 | 319537.6 | 133166.0 | 183122.1 | S |
| 136.392 | 0.0000 | 0.0000 | 82.523 | 0.02576 | 0.00000 | 319537.6 | 133166.7 | 183122.4 | S |
| 136.400 | 0.0000 | 0.0000 | 82.523 | 0.02575 | 0.00000 | 319537.6 | 133167.5 | 183122.1 | S |
| 136.408 | 0.0000 | 0.0000 | 82.523 | 0.02575 | 0.00000 | 319537.6 | 133168.3 | 183122.1 | S |
| 136.417 | 0.0000 | 0.0000 | 82.523 | 0.02575 | 0.00000 | 319537.6 | 133169.0 | 183122.1 | S |
| 136.425 | 0.0000 | 0.0000 | 82.523 | 0.02574 | 0.00000 | 319537.6 | 133169.8 | 183122.1 | S |
| 136.433 | 0.0000 | 0.0000 | 82.523 | 0.02574 | 0.00000 | 319537.6 | 133170.6 | 183122.1 | S |
| 136.442 | 0.0000 | 0.0000 | 82.523 | 0.02574 | 0.00000 | 319537.6 | 133171.4 | 183122.1 | S |
| 136.450 | 0.0000 | 0.0000 | 82.523 | 0.02574 | 0.00000 | 319537.6 | 133172.1 | 183122.1 | S |
| 136.458 | 0.0000 | 0.0000 | 82.522 | 0.02573 | 0.00000 | 319537.6 | 133172.9 | 183122.1 | S |
| 136.467 | 0.0000 | 0.0000 | 82.522 | 0.02573 | 0.00000 | 319537.6 | 133173.7 | 183122.1 | S |
| 136.475 | 0.0000 | 0.0000 | 82.522 | 0.02573 | 0.00000 | 319537.6 | 133174.5 | 183122.1 | S |
| 136.483 | 0.0000 | 0.0000 | 82.522 | 0.02572 | 0.00000 | 319537.6 | 133175.2 | 183122.1 | S |
| 136.492 | 0.0000 | 0.0000 | 82.522 | 0.02572 | 0.00000 | 319537.6 | 133176.0 | $183 \uparrow 22.1$ | S |
| 136.500 | 0.0000 | 0.0000 | 82.522 | 0.02572 | 0.00000 | 319537.6 | 133176.8 | 183122.1 | S |
| 136.508 | 0.0000 | 0.0000 | 82.522 | 0.02572 | 0.00000 | 319537.6 | 133177.5 | 183122.1 | S |
| 136.517 | 0.0000 | 0.0000 | 82.522 | 0.02571 | 0.00000 | 319537.6 | 133178.3 | 183122.1 | S |
| 136.525 | 0.0000 | 0.0000 | 82.522 | 0.02571 | 0.00000 | 319537.6 | 133179.1 | 183122.1 | S |
| 136.533 | 0.0000 | 0.0000 | 82.521 | 0.02571 | 0.00000 | 319537.6 | 133179.8 | 183122.1 | S |
| 136.542 | 0.0000 | 0.0000 | 82.521 | 0.02570 | 0.00000 | 319537.6 | 133180.6 | 183122.1 | S |
| 136.550 | 0.0000 | 0.0000 | 82.521 | 0.02570 | 0.00000 | 319537.6 | 133181.4 | 183122.1 | S |
| 136.558 | 0.0000 | 0.0000 | 82.521 | 0.02570 | 0.00000 | 319537.6 | 133182.2 | 183122.1 | S |
| 136.567 | 0.0000 | 0.0000 | 82.521 | 0.02570 | 0.00000 | 319537.6 | 133182.9 | 183122.1 | S |
| 136.575 | 0.0000 | 0.0000 | 82.521 | 0.02569 | 0.00000 | 319537.6 | 133183.7 | 183122.1 | S |
| 136.583 | 0.0000 | 0.0000 | 82.521 | 0.02569 | 0.00000 | 319537.6 | 133184.5 | 183122.1 | S |
| 136.592 | 0.0000 | 0.0000 | 82.521 | 0.02569 | 0.00000 | 319537.6 | 133185.3 | 183122.1 | S |
| 136.600 | 0.0000 | 0.0000 | 82.520 | 0.02568 | 0.00000 | 319537.6 | 133186.0 | 183122.1 | S |
| 136.608 | 0.0000 | 0.0000 | 82.520 | 0.02568 | 0.00000 | 319537.6 | 133186.8 | 183122.1 | S |
| 136.617 | 0.0000 | 0.0000 | 82.520 | 0.02568 | 0.00000 | 319537.6 | 133187.6 | 183122.1 | S |
| 136.625 | 0.0000 | 0.0000 | 82.520 | 0.02568 | 0.00000 | 319537.6 | 133188.3 | 183122.1 | S |
| 136.633 | 0.0000 | 0.0000 | 82.520 | 0.02567 | 0.00000 | 319537.6 | 133189.1 | 183122.1 | S |
| 136.642 | 0.0000 | 0.0000 | 82.520 | 0.02567 | 0.00000 | 319537.6 | 133189.9 | 183122.1 | S |
| 136.650 | 0.0000 | 0.0000 | 82.520 | 0.02567 | 0.00000 | 319537.6 | 133190.6 | 183122.1 | S |
| 136.658 | 0.0000 | 0.0000 | 82.520 | 0.02566 | 0.00000 | 319537.6 | 133191.4 | 183122.1 | S |
| 136.667 | 0.0000 | 0.0000 | 82.520 | 0.02566 | 0.00000 | 319537.6 | 133192.2 | 183122.1 | S |
| 136.675 | 0.0000 | 0.0000 | 82.519 | 0.02566 | 0.00000 | 319537.6 | 133193.0 | 183122.1 | S |
| 136.683 | 0.0000 | 0.0000 | 82.519 | 0.02565 | 0.00000 | 319537.6 | 133193.7 | 183122.1 | S |
| 136.692 | 0.0000 | 0.0000 | 82.519 | 0.02565 | 0.00000 | 319537.6 | 133194.5 | 183122.1 | S |
| 136.700 | 0.0000 | 0.0000 | 82.519 | 0.02565 | 0.00000 | 319537.6 | 133195.3 | 183122.1 | S |
| 136.708 | 0.0000 | 0.0000 | 82.519 | 0.02565 | 0.00000 | 319537.6 | 133196.0 | 183122.1 | S |
| 136.717 | 0.0000 | 0.0000 | 82.519 | 0.02564 | 0.00000 | 319537.6 | 133196.8 | 183122.1 | S |
| 136.725 | 0.0000 | 0.0000 | 82.519 | 0.02564 | 0.00000 | 319537.6 | 133197.6 | 183122.1 | S |
| 136.733 | 0.0000 | 0.0000 | 82.519 | 0.02564 | 0.00000 | 319537.6 | 133198.3 | 183122.1 | S |
| 136.742 | 0.0000 | 0.0000 | 82.519 | 0.02563 | 0.00000 | 319537.6 | 133199.1 | 183122.1 | S |
| 136.750 | 0.0000 | 0.0000 | 82.518 | 0.02563 | 0.00000 | 319537.6 | 133199.9 | $\uparrow 83122.1$ | S |
| 136.758 | 0.0000 | 0.0000 | 82.518 | 0.02563 | 0.00000 | 319537.6 | 133200.6 | 183122.1 | S |
| 136.767 | 0.0000 | 0.0000 | 82.518 | 0.02563 | 0.00000 | 319537.6 | 133201.4 | 183122.1 | S |
| 136.775 | 0.0000 | 0.0000 | 82.518 | 0.02562 | 0.00000 | 319537.6 | 133202.2 | 183122.1 | S |
| 136.783 | 0.0000 | 0.0000 | 82.518 | 0.02562 | 0.00000 | 319537.6 | 133203.0 | 183122.1 | S |
| 136.792 | 0.0000 | 0.0000 | 82.518 | 0.02562 | 0.00000 | 319537.6 | 133203.7 | 183122.1 | S |
| 136.800 | 0.0000 | 0.0000 | 82.518 | 0.02561 | 0.00000 | 319537.6 | 133204.5 | 183122.1 | S |
| 136.808 | 0.0000 | 0.0000 | 82.518 | 0.02561 | 0.00000 | 319537.6 | 133205.3 | 183122.1 | S |
| 136.817 | 0.0000 | 0.0000 | 82.517 | 0.02561 | 0.00000 | 319537.6 | 133206.0 | 183122.1 | 5 |
| 136.825 | 0.0000 | 0.0000 | 82.517 | 0.02561 | 0.00000 | 319537.6 | 133206.8 | 183122.1 | S |
| 136.833 | 0.0000 | 0.0000 | 82.517 | 0.02560 | 0.00000 | 319537.6 | 133207.6 | 183122.1 | S |
| 136.842 | 0.0000 | 0.0000 | 82.517 | 0.02560 | 0.00000 | 319537.6 | 133208.3 | 183122.1 | S |
| 136.850 | 0.0000 | 0.0000 | 82.517 | 0.02560 | 0.00000 | 319537.6 | 133209.1 | 183122.1 | S |
| 136.858 | 0.0000 | 0.0000 | 82.517 | 0.02559 | 0.00000 | 319537.6 | 133209.9 | 183122.1 | S |
| 136.867 | 0.0000 | 0.0000 | 82.517 | 0.02559 | 0.00000 | 319537.6 | 133210.6 | 183122.1 | S |
| 136.875 | 0.0000 | 0.0000 | 82.517 | 0.02559 | 0.00000 | 319537.6 | 133211.4 | 183122.1 | S |
| 136.883 | 0.0000 | 0.0000 | 82.517 | 0.02559 | 0.00000 | 319537.6 | 133212.2 | 183122.1 | S |
| 136.892 | 0.0000 | 0.0000 | 82.516 | 0.02558 | 0.00000 | 319537.6 | 133212.9 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{fl}^{3 / 3} / \mathrm{s}$ ) | Outside Recharge (fidday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Overlow Discharge ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 136.900 | 0.0000 | 0.0000 | 82.516 | 0.02558 | 0.00000 | 319537.6 | 133213.7 | 183122.1 | S |
| 136.908 | 0.0000 | 0.0000 | 82.516 | 0.02558 | 0.00000 | 319537.6 | 133214.5 | 183122.1 | S |
| 136.917 | 0.0000 | 0.0000 | 82.516 | 0.02557 | 0.00000 | 319537.6 | 133215.2 | 183122.1 | S |
| 136.925 | 0.0000 | 0.0000 | 82.516 | 0.02557 | 0.00000 | 319537.6 | 133216.0 | 183122.1 | S |
| 136.933 | 0.0000 | 0.0000 | 82.516 | 0.02557 | 0.00000 | 319537.6 | 133216.8 | 183122.1 | S |
| 136.942 | 0.0000 | 0.0000 | 82.516 | 0.02557 | 0.00000 | 319537.6 | 133217.5 | 183122.1 | S |
| 136.950 | 0.0000 | 0.0000 | 82.516 | 0.02556 | 0.00000 | 319537.6 | 133218.3 | 183122.1 | S |
| 136.958 | 0.0000 | 0.0000 | 82.516 | 0.02556 | 0.00000 | 319537.6 | 133219.1 | 183122.1 | S |
| 136.967 | 0.0000 | 0.0000 | 82.515 | 0.02556 | 0.00000 | 319537.6 | 133219.8 | 183122.1 | S |
| 136.975 | 0.0000 | 0.0000 | 82.515 | 0.02555 | 0.00000 | 319537.6 | 133220.6 | 183122.1 | S |
| 136.983 | 0.0000 | 0.0000 | 82.515 | 0.02555 | 0.00000 | 319537.6 | 133221.4 | 183122.1 | S |
| 136.992 | 0.0000 | 0.0000 | 82.515 | 0.02555 | 0.00000 | 319537.6 | 133222.1 | 183122.1 | S |
| 137.000 | 0.0000 | 0.0000 | 82.515 | 0.02555 | 0.00000 | 319537.6 | 133222.9 | 183122.1 | S |
| 137.008 | 0.0000 | 0.0000 | 82.515 | 0.02554 | 0.00000 | 319537.6 | 133223.7 | 183122.1 | S |
| 137.017 | 0.0000 | 0.0000 | 82.515 | 0.02554 | 0.00000 | 319537.6 | 133224.4 | 183122.1 | S |
| 137.025 | 0.0000 | 0.0000 | 82.515 | 0.02554 | 0.00000 | 319537.6 | 133225.2 | 183122.1 | S |
| 137.033 | 0.0000 | 0.0000 | 82.514 | 0.02553 | 0.00000 | 319537.6 | 133226.0 | 183122.1 | S |
| 137.042 | 0.0000 | 0.0000 | 82.514 | 0.02553 | 0.00000 | 319537.6 | 133226.7 | 183122.1 | S |
| 137.050 | 0.0000 | 0.0000 | 82.514 | 0.02553 | 0.00000 | 319537.6 | 133227.5 | 183122.1 | S |
| 137.058 | 0.0000 | 0.0000 | 82.514 | 0.02552 | 0.00000 | 319537.6 | 133228.3 | 183122.1 | S |
| 137.067 | 0.0000 | 0.0000 | 82.514 | 0.02552 | 0.00000 | 319537.6 | 133229.0 | 183122.1 | S |
| 137.075 | 0.0000 | 0.0000 | 82.514 | 0.02552 | 0.00000 | 319537.6 | 133229.8 | 183122.1 | S |
| 137.083 | 0.0000 | 0.0000 | 82.514 | 0.02552 | 0.00000 | 319537.6 | 133230.6 | 183122.1 | S |
| 137.092 | 0.0000 | 0.0000 | 82.514 | 0.02551 | 0.00000 | 319537.6 | 133231.3 | 183122.1 | S |
| 137.100 | 0.0000 | 0.0000 | 82.514 | 0.02551 | 0.00000 | 319537.6 | 133232.1 | 183122.1 | S |
| 137.108 | 0.0000 | 0.0000 | 82.513 | 0.02551 | 0.00000 | 319537.6 | 133232.9 | 183122.1 | S |
| 137.117 | 0.0000 | 0.0000 | 82.513 | 0.02550 | 0.00000 | 319537.6 | 133233.6 | 183122.1 | S |
| 137.125 | 0.0000 | 0.0000 | 82.513 | 0.02550 | 0.00000 | 319537.6 | 133234.4 | 183122.1 | S |
| 137.133 | 0.0000 | 0.0000 | 82.513 | 0.02550 | 0.00000 | 319537.6 | 133235.2 | 183122.1 | S |
| 137.142 | 0.0000 | 0.0000 | 82.513 | 0.02550 | 0.00000 | 319537.6 | 133235.9 | 183122.1 | S |
| 137.150 | 0.0000 | 0.0000 | 82.513 | 0.02549 | 0.00000 | 319537.6 | 133236.7 | 183122.1 | S |
| 137.158 | 0.0000 | 0.0000 | 82.513 | 0.02549 | 0.00000 | 319537.6 | 133237.5 | 183122.1 | S |
| 137.167 | 0.0000 | 0.0000 | 82.513 | 0.02549 | 0.00000 | 319537.6 | 133238.2 | 183122.1 | S |
| 137.175 | 0.0000 | 0.0000 | 82.513 | 0.02548 | 0.00000 | 319537.6 | 133239.0 | 183122.1 | S |
| 137.183 | 0.0000 | 0.0000 | 82.512 | 0.02548 | 0.00000 | 319537.6 | 133239.7 | 183122.1 | S |
| 137.192 | 0.0000 | 0.0000 | 82.512 | 0.02548 | 0.00000 | 319537.6 | 133240.5 | 183122.3 | S |
| 137.200 | 0.0000 | 0.0000 | 82.512 | 0.02548 | 0.00000 | 319537.6 | 133241.3 | 183122.1 | S |
| 137.208 | 0.0000 | 0.0000 | 82.512 | 0.02547 | 0.00000 | 319537.6 | 133242.0 | 183122.1 | S |
| 137.217 | 0.0000 | 0.0000 | 82.512 | 0.02547 | 0.00000 | 319537.6 | 133242.8 | 183122.1 | S |
| 137.225 | 0.0000 | 0.0000 | 82.512 | 0.02547 | 0.00000 | 319537.6 | 133243.6 | 183122.1 | S |
| 137.233 | 0.0000 | 0.0000 | 82.512 | 0.02546 | 0.00000 | 319537.6 | 133244.3 | 183122.1 | S |
| 137.242 | 0.0000 | 0.0000 | 82.512 | 0.02546 | 0.00000 | 319537.6 | 133245.1 | 183122.1 | S |
| 137.250 | 0.0000 | 0.0000 | 82.511 | 0.02546 | 0.00000 | 319537.6 | 133245.9 | 183122.1 | S |
| 137.258 | 0.0000 | 0.0000 | 82.511 | 0.02546 | 0.00000 | 319537.6 | 133246.6 | 183122.1 | S |
| 137.267 | 0.0000 | 0.0000 | 82.511 | 0.02545 | 0.00000 | 319537.6 | 133247.4 | 183122.1 | S |
| 137.275 | 0.0000 | 0.0000 | 82.511 | 0.02545 | 0.00000 | 319537.6 | 733248.1 | 183122.1 | S |
| 137.283 | 0.0000 | 0.0000 | 82.511 | 0.02545 | 0.00000 | 319537.6 | 133248.9 | 183122.1 | S |
| 137.292 | 0.0000 | 0.0000 | 82.511 | 0.02544 | 0.00000 | 319537.6 | 133249.7 | 183122.1 | S |
| 137.300 | 0.0000 | 0.0000 | 82.511 | 0.02544 | 0.00000 | 319537.6 | 133250.4 | 183122.1 | S |
| 137.308 | 0.0000 | 0.0000 | 82.511 | 0.02544 | 0.00000 | $3 \ddagger 9537.6$ | 133251.2 | 183122.1 | S |
| 137.317 | 0.0000 | 0.0000 | 82.511 | 0.02544 | 0.00000 | 319537.6 | 133252.0 | 183122.1 | S |
| 137.325 | 0.0000 | 0.0000 | 82.510 | 0.02543 | 0.00000 | 319537.6 | 133252.7 | 183122.1 | S |
| 137.333 | 0.0000 | 0.0000 | 82.510 | 0.02543 | 0.00000 | 319537.6 | 133253.5 | 183122.1 | S |
| 137.342 | 0.0000 | 0.0000 | 82.510 | 0.02543 | 0.00000 | 319537.6 | 133254.3 | 183122.1 | S |
| 137.350 | 0.0000 | 0.0000 | 82.510 | 0.02542 | 0.00000 | 319537.6 | 133255.0 | 183122.1 | S |
| 137.358 | 0.0000 | 0.0000 | 82.510 | 0.02542 | 0.00000 | 319537.6 | 133255.8 | 183122.1 | S |
| 137.367 | 0.0000 | 0.0000 | 82.510 | 0.02542 | 0.00000 | 319537.6 | 133256.5 | 183122.1 | S |
| 137.375 | 0.0000 | 0.0000 | 82.510 | 0.02542 | 0.00000 | 319537.6 | 133257.3 | 183122.1 | S |
| 137.383 | 0.0000 | 0.0000 | 82.510 | 0.02541 | 0.00000 | 319537.6 | 133258.1 | 183122.1 | S |
| 137.392 | 0.0000 | 0.0000 | 82.510 | 0.02541 | 0.00000 | 319537.6 | 133258.8 | 183122.1 | S |
| 137.400 | 0.0000 | 0.0000 | 82.509 | 0.02541 | 0.00000 | 319537.6 | 133259.6 | 183122.1 | S |
| 137.408 | 0.0000 | 0.0000 | 82.509 | 0.02540 | 0.00000 | 319537.6 | 133260.3 | 183122.1 | S |
| 137.417 | 0.0000 | 0.0000 | 82.509 | 0.02540 | 0.00000 | 319537.6 | 133261.1 | 183122.1 | S |
| 137.425 | 0.0000 | 0.0000 | 82.509 | 0.02540 | 0.00000 | 319537.6 | 133261.9 | 183122.1 | S |
| 137.433 | 0.0000 | 0.0000 | 82.509 | 0.02540 | 0.00000 | 319537.6 | 133262.6 | 183122.1 | S |
| 137.442 | 0.0000 | 0.0000 | 82.509 | 0.02539 | 0.00000 | 319537.6 | 133263.4 | 183122.1 | S |
| 137.450 | 0.0000 | 0.0000 | 82.509 | 0.02539 | 0.00000 | 319537.6 | 133264.2 | 183122.1 | S |
| 137.458 | 0.0000 | 0.0000 | 82.509 | 0.02539 | 0.00000 | 319537.6 | 133264.9 | 183122.1 | S |
| 137.467 | 0.0000 | 0.0000 | 82.508 | 0.02538 | 0.00000 | 319537.6 | 133265.7 | 183122.1 | S |
| 137.475 | 0.0000 | 0.0000 | 82.508 | 0.02538 | 0.00000 | 319537.6 | 133266.4 | 183122.1 | S |
| 137.483 | 0.0000 | 0.0000 | 82.508 | 0.02538 | 0.00000 | 319537.6 | 133267.2 | 183122.1 | S |
| 137.492 | 0.0000 | 0.0000 | 82.508 | 0.02538 | 0.00000 | 319537.6 | 133268.0 | 183122.1 | S |
| 137.500 | 0.0000 | 0.0000 | 82.508 | 0.02537 | 0.00000 | 319537.6 | 133268.7 | 183122.1 | S |
| 137.508 | 0.0000 | 0.0000 | 82.508 | 0.02537 | 0.00000 | 319537.6 | 133269.5 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate (f13/s) | Overliow Discharge ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Voiume ( $\mathrm{fl}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 137.517 | 0.0000 | 0.0000 | 82.508 | 0.02537 | 0.00000 | 319537.6 | 133270.3 | 183122.1 | S |
| 137.525 | 0.0000 | 0.0000 | 82.508 | 0.02536 | 0.00000 | 319537.6 | 133271.0 | 183122.1 | S |
| 137.533 | 0.0000 | 0.0000 | 82.508 | 0.02536 | 0.00000 | 319537.6 | 133271.8 | 183122.1 | S |
| 137.542 | 0.0000 | 0.0000 | 82.507 | 0.02536 | 0.00000 | 319537.6 | 133272.5 | 183122.1 | S |
| 137.550 | 0.0000 | 0.0000 | 82.507 | 0.02536 | 0.00000 | 319537.6 | 133273.3 | 183122.1 | S |
| 137.558 | 0.0000 | 0.0000 | 82.507 | 0.02535 | 0.00000 | 319537.6 | 133274.1 | 183122.1 | S |
| 137.567 | 0.0000 | 0.0000 | 82.507 | 0.02535 | 0.00000 | 319537.6 | 133274.8 | 183122.1 | S |
| 137.575 | 0.0000 | 0.0000 | 82.507 | 0.02535 | 0.00000 | 319537.6 | 133275.6 | 183122.1 | S |
| 137.583 | 0.0000 | 0.0000 | 82.507 | 0.02534 | 0.00000 | 319537.6 | 133276.3 | 183122.1 | S |
| 137.592 | 0.0000 | 0.0000 | 82.507 | 0.02534 | 0.00000 | 319537.6 | 133277.1 | 183122.1 | S |
| 137.600 | 0.0000 | 0.0000 | 82.507 | 0.02534 | 0.00000 | 319537.6 | 133277.9 | 183122.1 | S |
| 137.608 | 0.0000 | 0.0000 | 82.507 | 0.02534 | 0.00000 | 319537.6 | 133278.6 | 183122.1 | S |
| 137.617 | 0.0000 | 0.0000 | 82.506 | 0.02533 | 0.00000 | 319537.6 | 133279.4 | 183122.1 | S |
| 137.625 | 0.0000 | 0.0000 | 82.506 | 0.02533 | 0.00000 | 319537.6 | 133280.1 | 183122.1 | S |
| 137.633 | 0.0000 | 0.0000 | 82.506 | 0.02533 | 0.00000 | 319537.6 | 133280.9 | 183122.1 | S |
| 137.642 | 0.0000 | 0.0000 | 82.506 | 0.02533 | 0.00000 | 319537.6 | 133281.7 | 183122.1 | S |
| 137.650 | 0.0000 | 0.0000 | 82.506 | 0.02532 | 0.00000 | 319537.6 | 133282.4 | 183122.1 | S |
| 137.658 | 0.0000 | 0.0000 | 82.506 | 0.02532 | 0.00000 | 319537.6 | 133283.2 | 183122.1 | S |
| 137.667 | 0.0000 | 0.0000 | 82.506 | 0.02532 | 0.00000 | 319537.6 | 133283.9 | 183122.1 | S |
| 137.675 | 0.0000 | 0.0000 | 82.506 | 0.02531 | 0.00000 | 319537.6 | 133284.7 | 183122.1 | S |
| 137.683 | 0.0000 | 0.0000 | 82.506 | 0.02531 | 0.00000 | 319537.6 | 133285.5 | 183122.1 | S |
| 137.692 | 0.0000 | 0.0000 | 82.505 | 0.02531 | 0.00000 | 319537.6 | 133286.2 | 183122.1 | S |
| 137.700 | 0.0000 | 0.0000 | 82.505 | 0.02531 | 0.00000 | 319537.6 | 133287.0 | 183122.1 | S |
| 137.708 | 0.0000 | 0.0000 | 82.505 | 0.02530 | 0.00000 | 319537.6 | 133287.7 | 183122.1 | S |
| 137.717 | 0.0000 | 0.0000 | 82.505 | 0.02530 | 0.00000 | 319537.6 | 133288.5 | 183122.1 | S |
| 137.725 | 0.0000 | 0.0000 | 82.505 | 0.02530 | 0.00000 | 319537.6 | 133289.3 | 183122.1 | S |
| 137.733 | 0.0000 | 0.0000 | 82.505 | 0.02529 | 0.00000 | 319537.6 | 133290.0 | 183122.1 | S |
| 137.742 | 0.0000 | 0.0000 | 82.505 | 0.02529 | 0.00000 | 319537.6 | 133290.8 | 183122.7 | S |
| 137.750 | 0.0000 | 0.0000 | 82.505 | 0.02529 | 0.00000 | 319537.6 | 133291.5 | 183122.5 | S |
| 137.758 | 0.0000 | 0.0000 | 82.504 | 0.02529 | 0.00000 | 319537.6 | 133292.3 | 183122.1 | S |
| 137.767 | 0.0000 | 0.0000 | 82.504 | 0.02528 | 0.00000 | 319537.6 | \$33293.0 | 183122.1 | S |
| 137.775 | 0.0000 | 0.0000 | 82.504 | 0.02528 | 0.00000 | 319537.6 | 133293.8 | 183122.1 | S |
| 137.783 | 0.0000 | 0.0000 | 82.504 | 0.02528 | 0.00000 | 319537.6 | 133294.6 | 183122.1 | S |
| 137.792 | 0.0000 | 0.0000 | 82.504 | 0.02527 | 0.00000 | 319537.6 | 133295.3 | 183122.1 | S |
| 137.800 | 0.0000 | 0.0000 | 82.504 | 0.02527 | 0.00000 | 319537.6 | 133296.1 | 183122.1 | S |
| 137.808 | 0.0000 | 0.0000 | 82.504 | 0.02527 | 0.00000 | 319537.6 | 133296.8 | 183122.1 | S |
| 137.817 | 0.0000 | 0.0000 | 82.504 | 0.02527 | 0.00000 | 319537.6 | 133297.6 | 183122.1 | S |
| 137.825 | 0.0000 | 0.0000 | 82.504 | 0.02526 | 0.00000 | 319537.6 | 133298.3 | 183122.1 | S |
| 137.833 | 0.0000 | 0.0000 | 82.503 | 0.02526 | 0.00000 | 319537.6 | 133299.1 | 183122.1 | S |
| 137.842 | 0.0000 | 0.0000 | 82.503 | 0.02526 | 0.00000 | 319537.6 | 133299.9 | 183122.1 | S |
| 137.850 | 0.0000 | 0.0000 | 82.503 | 0.02525 | 0.00000 | 319537.6 | 133300.6 | 183122.1 | S |
| 137.858 | 0.0000 | 0.0000 | 82.503 | 0.02525 | 0.00000 | 319537.6 | 133301.4 | 183122.1 | S |
| 137.867 | 0.0000 | 0.0000 | 82.503 | 0.02525 | 0.00000 | 319537.6 | 133302.1 | 183122.1 | S |
| 137.875 | 0.0000 | 0.0000 | 82.503 | 0.02525 | 0.00000 | 319537.6 | 133302.9 | 183122.1 | S |
| 137.883 | 0.0000 | 0.0000 | 82.503 | 0.02524 | 0.00000 | 319537.6 | 133303.7 | 183122.1 | S |
| 137.892 | 0.0000 | 0.0000 | 82.503 | 0.02524 | 0.00000 | 319537.6 | 133304.4 | 183122.1 | S |
| 137.900 | 0.0000 | 0.0000 | 82.503 | 0.02524 | 0.00000 | 319537.6 | 133305.2 | 183122.1 | S |
| 137.908 | 0.0000 | 0.0000 | 82.502 | 0.02523 | 0.00000 | 319537.6 | 133305.9 | 183122.1 | S |
| 137.917 | 0.0000 | 0.0000 | 82.502 | 0.02523 | 0.00000 | 319537.6 | 133306.7 | 183122.1 | S |
| 137.925 | 0.0000 | 0.0000 | 82.502 | 0.02523 | 0.00000 | 319537.6 | 133307.4 | 183122.1 | S |
| 137.933 | 0.0000 | 0.0000 | 82.502 | 0.02523 | 0.00000 | 319537.6 | 133308.2 | 183122.1 | S |
| 137.942 | 0.0000 | 0.0000 | 82.502 | 0.02522 | 0.00000 | 319537.6 | \$33309.0 | 183122.1 | S |
| 137.950 | 0.0000 | 0.0000 | 82.502 | 0.02522 | 0.00000 | 319537.6 | 133309.7 | 183122.1 | S |
| 137.958 | 0.0000 | 0.0000 | 82.502 | 0.02522 | 0.00000 | 319537.6 | 133310.5 | 183122.1 | S |
| 137.967 | 0.0000 | 0.0000 | 82.502 | 0.02521 | 0.00000 | 319537.6 | 133311.2 | 183122.1 | S |
| 137.975 | 0.0000 | 0.0000 | 82.502 | 0.02521 | 0.00000 | 319537.6 | 133312.0 | 183122.1 | S |
| 137.983 | 0.0000 | 0.0000 | 82.501 | 0.02521 | 0.00000 | 319537.6 | 133312.7 | 183122.1 | S |
| 137.992 | 0.0000 | 0.0000 | 82.501 | 0.02521 | 0.00000 | 319537.6 | 133313.5 | 183122.1 | S |
| 138.000 | 0.0000 | 0.0000 | 82.501 | 0.02520 | 0.00000 | 319537.6 | 133314.3 | 183122.1 | S |
| 138.008 | 0.0000 | 0.0000 | 82.501 | 0.02520 | 0.00000 | 319537.6 | 133315.0 | 183122.1 | S |
| 138.017 | 0.0000 | 0.0000 | 82.501 | 0.02520 | 0.00000 | 319537.6 | 133315.8 | 183122.1 | S |
| 138.025 | 0.0000 | 0.0000 | 82.501 | 0.02519 | 0.00000 | 319537.6 | 133316.5 | 183122.1 | S |
| 138.033 | 0.0000 | 0.0000 | 82.501 | 0.02519 | 0.00000 | 319537.6 | 133317.3 | 183122.1 | S |
| 138.042 | 0.0000 | 0.0000 | 82.501 | 0.02519 | 0.00000 | 319537.6 | 133318.0 | 183122.1 | S |
| 138.050 | 0.0000 | 0.0000 | 82.500 | 0.02519 | 0.00000 | 319537.6 | 133318.8 | 183122.1 | S |
| \$38.058 | 0.0000 | 0.0000 | 82.500 | 0.02518 | 0.00000 | 319537.6 | 133319.5 | 183122.1 | S |
| 138.067 | 0.0000 | 0.0000 | 82.500 | 0.02518 | 0.00000 | 319537.6 | 133320.3 | 183122.1 | S |
| 138.075 | 0.0000 | 0.0000 | 82.500 | 0.02518 | 0.00000 | 319537.6 | 133321.0 | 183122.1 | S |
| 138.083 | 0.0000 | 0.0000 | 82.500 | 0.02518 | 0.00000 | 319537.6 | 133321.8 | 183122.1 | S |
| 138.092 | 0.0000 | 0.0000 | 82.500 | 0.02517 | 0.00000 | 319537.6 | 133322.6 | 183122.1 | S |
| 138.100 | 0.0000 | 0.0000 | 82.500 | 0.02517 | 0.00000 | 319537.6 | 133323.3 | 183122.1 | S |
| 138.108 | 0.0000 | 0.0000 | 82.500 | 0.02517 | 0.00000 | 319537.6 | 133324.1 | 183122.1 | S |
| 138.117 | 0.0000 | 0.0000 | 82.500 | 0.02516 | 0.00000 | 319537.6 | 133324.8 | 183122.1 | S |
| 138.125 | 0.0000 | 0.0000 | 82.499 | 0.02516 | 0.00000 | 319537.6 | 133325.6 | 183122.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) $\because:$ Scenario $1::$ pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate (fis/s) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infilitration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 138.133 | 0.0000 | 0.0000 | 82.499 | 0.02516 | 0.00000 | 319537.6 | 133326.3 | 183122.1 | S |
| 138.142 | 0.0000 | 0.0000 | 82.499 | 0.02516 | 0.00000 | 319537.6 | 133327.1 | 183122.1 | S |
| 138.150 | 0.0000 | 0.0000 | 82.499 | 0.02515 | 0.00000 | 319537.6 | 133327.8 | 183122.1 | S |
| 138.158 | 0.0000 | 0.0000 | 82.499 | 0.02515 | 0.00000 | 319537.6 | 133328.6 | 183122.1 | S |
| 138.167 | 0.0000 | 0.0000 | 82.499 | 0.02515 | 0.00000 | 319537.6 | 133329.4 | 183122.1 | S |
| 138.175 | 0.0000 | 0.0000 | 82.499 | 0.02514 | 0.00000 | 319537.6 | 133330.1 | 183122.1 | S |
| 138.183 | 0.0000 | 0.0000 | 82.499 | 0.02514 | 0.00000 | 319537.6 | 133330.9 | 183122.1 | S |
| 138.192 | 0.0000 | 0.0000 | 82.499 | 0.02514 | 0.00000 | 319537.6 | 133331.6 | 183122.1 | S |
| 138.200 | 0.0000 | 0.0000 | 82.498 | 0.02514 | 0.00000 | 319537.6 | 133332.4 | 183122.1 | S |
| 138.208 | 0.0000 | 0.0000 | 82.498 | 0.02513 | 0.00000 | 319537.6 | 133333.1 | 183122.1 | S |
| 138.217 | 0.0000 | 0.0000 | 82.498 | 0.02513 | 0.00000 | 319537.6 | 133333.9 | 183122.1 | S |
| 138.225 | 0.0000 | 0.0000 | 82.498 | 0.02513 | 0.00000 | 319537.6 | 133334.6 | 183122.1 | S |
| 138.233 | 0.0000 | 0.0000 | 82.498 | 0.02512 | 0.00000 | 319537.6 | 133335.4 | 183122.1 | S |
| 138.242 | 0.0000 | 0.0000 | 82.498 | 0.02512 | 0.00000 | 319537.6 | 133336.1 | 183122.1 | S |
| 138.250 | 0.0000 | 0.0000 | 82.498 | 0.02512 | 0.00000 | 319537.6 | 133336.9 | 183122.1 | S |
| 138.258 | 0.0000 | 0.0000 | 82.498 | 0.02512 | 0.00000 | 319537.6 | 133337.6 | 183122.1 | S |
| 138.267 | 0.0000 | 0.0000 | 82.498 | 0.02511 | 0.00000 | 319537.6 | 133338.4 | 183122.1 | S |
| 138.275 | 0.0000 | 0.0000 | 82.497 | 0.02511 | 0.00000 | 319537.6 | 133339.2 | 183122.1 | S |
| 138.283 | 0.0000 | 0.0000 | 82.497 | 0.02511 | 0.00000 | 319537.6 | 133339.9 | 183122.1 | S |
| 138.292 | 0.0000 | 0.0000 | 82.497 | 0.02510 | 0.00000 | 319537.6 | 133340.7 | 183122.1 | S |
| 138.300 | 0.0000 | 0.0000 | 82.497 | 0.02510 | 0.00000 | 319537.6 | 133341.4 | 183122.1 | S |
| 138.308 | 0.0000 | 0.0000 | 82.497 | 0.02510 | 0.00000 | 319537.6 | 133342.2 | 183122.1 | S |
| 138.317 | 0.0000 | 0.0000 | 82.497 | 0.02510 | 0.00000 | 319537.6 | 133342.9 | 183122.1 | S |
| 138.325 | 0.0000 | 0.0000 | 82.497 | 0.02509 | 0.00000 | 319537.6 | 133343.7 | 183122.1 | S |
| 138.333 | 0.0000 | 0.0000 | 82.497 | 0.02509 | 0.00000 | 319537.6 | 133344.4 | 183122.1 | S |
| 138.342 | 0.0000 | 0.0000 | 82.496 | 0.02509 | 0.00000 | 319537.6 | 133345.2 | 183122.1 | S |
| 138.350 | 0.0000 | 0.0000 | 82.496 | 0.02509 | 0.00000 | 319537.6 | 133345.9 | 183122.1 | S |
| 138.358 | 0.0000 | 0.0000 | 82.496 | 0.02508 | 0.00000 | 319537.6 | 133346.7 | 183122.1 | S |
| 138.367 | 0.0000 | 0.0000 | 82.496 | 0.02508 | 0.00000 | 319537.6 | 133347.4 | 183122.1 | S |
| 138.375 | 0.0000 | 0.0000 | 82.496 | 0.02508 | 0.00000 | 319537.6 | 133348.2 | 183122.1 | S |
| 138.383 | 0.0000 | 0.0000 | 82.496 | 0.02507 | 0.00000 | 319537.6 | 133348.9 | 183122.1 | S |
| 138.392 | 0.0000 | 0.0000 | 82.496 | 0.02507 | 0.00000 | 319537.6 | 133349.7 | 183122.1 | S |
| 138.400 | 0.0000 | 0.0000 | 82.496 | 0.02507 | 0.00000 | 319537.6 | 133350.4 | 183122.1 | S |
| 138.408 | 0.0000 | 0.0000 | 82.496 | 0.02507 | 0.00000 | 319537.6 | 133351.2 | 183122.1 | S |
| 138.417 | 0.0000 | 0.0000 | 82.495 | 0.02506 | 0.00000 | 319537.6 | 133352.0 | 183122.1 | S |
| 138.425 | 0.0000 | 0.0000 | 82.495 | 0.02506 | 0.00000 | 319537.6 | 133352.7 | 183122.1 | S |
| 138.433 | 0.0000 | 0.0000 | 82.495 | 0.02506 | 0.00000 | 319537.6 | 133353.5 | 183122.1 | S |
| 138.442 | 0.0000 | 0.0000 | 82.495 | 0.02505 | 0.00000 | 319537.6 | 133354.2 | 183122.1 | S |
| 138.450 | 0.0000 | 0.0000 | 82.495 | 0.02505 | 0.00000 | 319537.6 | 133355.0 | 183122.1 | S |
| 138.458 | 0.0000 | 0.0000 | 82.495 | 0.02505 | 0.00000 | 319537.6 | 133355.7 | 183122.1 | S |
| 138.467 | 0.0000 | 0.0000 | 82.495 | 0.02505 | 0.00000 | 319537.6 | 133356.5 | 183122.1 | S |
| 138.475 | 0.0000 | 0.0000 | 82.495 | 0.02504 | 0.00000 | 319537.6 | 133357.2 | 183122.1 | S |
| 138.483 | 0.0000 | 0.0000 | 82.495 | 0.02504 | 0.00000 | 319537.6 | 133358.0 | 183122.1 | S |
| 138.492 | 0.0000 | 0.0000 | 82.494 | 0.02504 | 0.00000 | 319537.6 | 133358.7 | 183122.1 | S |
| 138.500 | 0.0000 | 0.0000 | 82.494 | 0.02503 | 0.00000 | 319537.6 | 133359.5 | 183122.1 | S |
| 138.508 | 0.0000 | 0.0000 | 82.494 | 0.02503 | 0.00000 | 319537.6 | 133360.2 | 183122.7 | S |
| 138.517 | 0.0000 | 0.0000 | 82.494 | 0.02503 | 0.00000 | 319537.6 | 133361.0 | 183122.1 | S |
| 138.525 | 0.0000 | 0.0000 | 82.494 | 0.02503 | 0.00000 | 319537.6 | 133361.7 | 183122.1 | S |
| 138.533 | 0.0000 | 0.0000 | 82.494 | 0.02502 | 0.00000 | 319537.6 | 133362.5 | 183122.1 | S |
| 138.542 | 0.0000 | 0.0000 | 82.494 | 0.02502 | 0.00000 | 319537.6 | 133363.2 | 183122.1 | S |
| 138.550 | 0.0000 | 0.0000 | 82.494 | 0.02502 | 0.00000 | 319537.6 | 133364.0 | 183122.1 | S |
| 138.558 | 0.0000 | 0.0000 | 82.494 | 0.02502 | 0.00000 | 319537.6 | 133364.7 | 183122.1 | S |
| 138.567 | 0.0000 | 0.0000 | 82.493 | 0.02501 | 0.00000 | 319537.6 | 133365.5 | 183122.1 | S |
| 138.575 | 0.0000 | 0.0000 | 82.493 | 0.02501 | 0.00000 | 319537.6 | 133366.2 | 183122.1 | S |
| 138.583 | 0.0000 | 0.0000 | 82.493 | 0.02501 | 0.00000 | 319537.6 | 133367.0 | 183122.1 | S |
| 138.592 | 0.0000 | 0.0000 | 82.493 | 0.02500 | 0.00000 | 319537.6 | 133367.7 | 183122.1 | S |
| 138.600 | 0.0000 | 0.0000 | 82.493 | 0.02500 | 0.00000 | 319537.6 | 133368.5 | 183122.1 | S |
| 138.608 | 0.0000 | 0.0000 | 82.493 | 0.02500 | 0.00000 | 319537.6 | 133369.2 | 183122.1 | S |
| 138.617 | 0.0000 | 0.0000 | 82.493 | 0.02500 | 0.00000 | 319537.6 | 133370.0 | 183122.1 | S |
| 138.625 | 0.0000 | 0.0000 | 82.493 | 0.02499 | 0.00000 | 319537.6 | 133370.7 | 183122.1 | S |
| 138.633 | 0.0000 | 0.0000 | 82.492 | 0.02499 | 0.00000 | 319537.6 | 133371.5 | 183122.1 | S |
| 138.642 | 0.0000 | 0.0000 | 82.492 | 0.02499 | 0.00000 | 319537.6 | 133372.2 | 183122.1 | S |
| 138.650 | 0.0000 | 0.0000 | 82.492 | 0.02498 | 0.00000 | 319537.6 | 133373.0 | 183122.1 | S |
| 138.658 | 0.0000 | 0.0000 | 82.492 | 0.02498 | 0.00000 | 319537.6 | 133373.7 | 183122.1 | S |
| 138.667 | 0.0000 | 0.0000 | 82.492 | 0.02498 | 0.00000 | 319537.6 | 133374.5 | 183122.1 | S |
| 138.675 | 0.0000 | 0.0000 | 82.492 | 0.02498 | 0.00000 | 319537.6 | 133375.2 | 183122.1 | S |
| 138.683 | 0.0000 | 0.0000 | 82.492 | 0.02497 | 0.00000 | 319537.6 | 133376.0 | 183122.1 | S |
| 138.692 | 0.0000 | 0.0000 | 82.492 | 0.02497 | 0.00000 | 319537.6 | 133376.7 | 183122.1 | S |
| 138.700 | 0.0000 | 0.0000 | 82.492 | 0.02497 | 0.00000 | 319537.6 | 133377.5 | 183122.1 | S |
| 138.708 | 0.0000 | 0.0000 | 82.491 | 0.02497 | 0.00000 | 319537.6 | 133378.2 | 183122.1 | S |
| 138.717 | 0.0000 | 0.0000 | 82.491 | 0.02496 | 0.00000 | 319537.6 | 133379.0 | 183122.1 | S |
| 138.725 | 0.0000 | 0.0000 | 82.491 | 0.02496 | 0.00000 | 319537.6 | 133379.7 | 183122.1 | S |
| 138.733 | 0.0000 | 0.0000 | 82.491 | 0.02496 | 0.00000 | 319537.6 | 133380.5 | 183122.1 | S |
| 138.742 | 0.0000 | 0.0000 | 82.491 | 0.02495 | 0.00000 | 319537.6 | 133381.2 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
$\because$ Scenario $1::$ pond10 100 yr $/ 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (fi/day) | Stage Elevation (t datum) | Infiltration Rate ( $\mathrm{ft}^{2} / \mathrm{s}$ ) | Overfiow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume $\left(\mathrm{ft}^{3}\right)$ | $\begin{aligned} & \text { Flow } \\ & \text { Type } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 138.750 | 0.0000 | 0.0000 | 82.491 | 0.02495 | 0.00000 | 319537.6 | 133382.0 | 183122.1 | S |
| 138.758 | 0.0000 | 0.0000 | 82.491 | 0.02495 | 0.00000 | 319537.6 | 133382.7 | 183122.1 | S |
| 138.767 | 0.0000 | 0.0000 | 82.491 | 0.02495 | 0.00000 | 319537.6 | 133383.5 | 183122.1 | S |
| 138.775 | 0.0000 | 0.0000 | 82.491 | 0.02494 | 0.00000 | 319537.6 | 133384.2 | 183122.1 | S |
| 138.783 | 0.0000 | 0.0000 | 82.490 | 0.02494 | 0.00000 | 319537.6 | 133385.0 | 183122.1 | S |
| 138.792 | 0.0000 | 0.0000 | 82.490 | 0.02494 | 0.00000 | 319537.6 | 133385.7 | 183122.7 | S |
| 138.800 | 0.0000 | 0.0000 | 82.490 | 0.02493 | 0.00000 | 319537.6 | 133386.5 | 183122.1 | S |
| 138.808 | 0.0000 | 0.0000 | 82.490 | 0.02493 | 0.00000 | 319537.6 | 133387.2 | 183122.1 | S |
| 138.817 | 0.0000 | 0.0000 | 82.490 | 0.02493 | 0.00000 | 319537.6 | 133387.9 | 183122.1 | S |
| 138.825 | 0.0000 | 0.0000 | 82.490 | 0.02493 | 0.00000 | 319537.6 | 133388.7 | 183122.1 | S |
| 138.833 | 0.0000 | 0.0000 | 82.490 | 0.02492 | 0.00000 | 319537.6 | 133389.4 | 183122.1 | S |
| 138.842 | 0.0000 | 0.0000 | 82.490 | 0.02492 | 0.00000 | 319537.6 | 133390.2 | 183122.1 | S |
| 138.850 | 0.0000 | 0.0000 | 82.490 | 0.02492 | 0.00000 | 319537.6 | 133390.9 | 183122.1 | S |
| 138.858 | 0.0000 | 0.0000 | 82.489 | 0.02492 | 0.00000 | 319537.6 | 133391.7 | 183122.1 | S |
| 138.867 | 0.0000 | 0.0000 | 82.489 | 0.02491 | 0.00000 | 319537.6 | 133392.4 | 183122.1 | S |
| 138.875 | 0.0000 | 0.0000 | 82.489 | 0.02491 | 0.00000 | 319537.6 | 133393.2 | 183122.1 | S |
| 138.883 | 0.0000 | 0.0000 | 82.489 | 0.02491 | 0.00000 | 319537.6 | 133393.9 | 183122.1 | S |
| 138.892 | 0.0000 | 0.0000 | 82.489 | 0.02490 | 0.00000 | 319537.6 | 133394.7 | 183122.1 | S |
| 138.900 | 0.0000 | 0.0000 | 82.489 | 0.02490 | 0.00000 | 319537.6 | 133395.4 | 183122.1 | S |
| 138.908 | 0.0000 | 0.0000 | 82.489 | 0.02490 | 0.00000 | 319537.6 | 133396.2 | 183122.1 | S |
| 138.917 | 0.0000 | 0.0000 | 82.489 | 0.02490 | 0.00000 | 319537.6 | 133396.9 | 183122.1 | S |
| 138.925 | 0.0000 | 0.0000 | 82.489 | 0.02489 | 0.00000 | 319537.6 | 133397.7 | 183722.1 | S |
| 138.933 | 0.0000 | 0.0000 | 82.488 | 0.02489 | 0.00000 | 319537.6 | 133398.4 | 183122.1 | S |
| 138.942 | 0.0000 | 0.0000 | 82.488 | 0.02489 | 0.00000 | 319537.6 | 133399.2 | 183122.1 | S |
| 138.950 | 0.0000 | 0.0000 | 82.488 | 0.02488 | 0.00000 | 319537.6 | 133399.9 | 183122.1 | S |
| 138.958 | 0.0000 | 0.0000 | 82.488 | 0.02488 | 0.00000 | 319537.6 | 133400.6 | 183122.1 | S |
| 138.967 | 0.0000 | 0.0000 | 82.488 | 0.02488 | 0.00000 | 319537.6 | 133401.4 | 183122.1 | S |
| 138.975 | 0.0000 | 0.0000 | 82.488 | 0.02488 | 0.00000 | 319537.6 | 133402.1 | 183122.1 | S |
| 138.983 | 0.0000 | 0.0000 | 82.488 | 0.02487 | 0.00000 | 319537.6 | 133402.9 | 183122.1 | S |
| 138.992 | 0.0000 | 0.0000 | 82.488 | 0.02487 | 0.00000 | 319537.6 | 133403.6 | 183122.1 | S |
| 139.000 | 0.0000 | 0.0000 | 82.488 | 0.02487 | 0.00000 | 319537.6 | 133404.4 | 183122.1 | S |
| 139.008 | 0.0000 | 0.0000 | 82.487 | 0.02487 | 0.00000 | 319537.6 | 133405.1 | 183122.1 | S |
| 139.017 | 0.0000 | 0.0000 | 82.487 | 0.02486 | 0.00000 | 319537.6 | 133405.9 | 183122.1 | S |
| 139.025 | 0.0000 | 0.0000 | 82.487 | 0.02486 | 0.00000 | 319537.6 | 133406.6 | 183122.1 | S |
| 139.033 | 0.0000 | 0.0000 | 82.487 | 0.02486 | 0.00000 | 319537.6 | 133407.4 | 183122.1 | S |
| 139.042 | 0.0000 | 0.0000 | 82.487 | 0.02485 | 0.00000 | 319537.6 | 133408.1 | 183122.1 | S |
| 139.050 | 0.0000 | 0.0000 | 82.487 | 0.02485 | 0.00000 | 319537.6 | \$33408.8 | 183122.1 | S |
| 139.058 | 0.0000 | 0.0000 | 82.487 | 0.02485 | 0.00000 | 319537.6 | 133409.6 | 183122.1 | S |
| 139.067 | 0.0000 | 0.0000 | 82.487 | 0.02485 | 0.00000 | 319537.6 | 133410.3 | 183122.1 | S |
| 139.075 | 0.0000 | 0.0000 | 82.486 | 0.02484 | 0.00000 | 319537.6 | 133411.1 | 183122.1 | S |
| 139.083 | 0.0000 | 0.0000 | 82.486 | 0.02484 | 0.00000 | 319537.6 | 133411.8 | 183122.1 | S |
| 139.092 | 0.0000 | 0.0000 | 82.486 | 0.02484 | 0.00000 | 319537.6 | 133412.6 | 183122.1 | S |
| 139.100 | 0.0000 | 0.0000 | 82.486 | 0.02484 | 0.00000 | 319537.6 | 133413.3 | 183122.1 | S |
| 139.108 | 0.0000 | 0.0000 | 82.486 | 0.02483 | 0.00000 | 319537.6 | 133414.1 | 183122.1 | S |
| 139.117 | 0.0000 | 0.0000 | 82.486 | 0.02483 | 0.00000 | 319537.6 | 133414.8 | 183122.1 | S |
| 139.125 | 0.0000 | 0.0000 | 82.486 | 0.02483 | 0.00000 | 319537.6 | 133415.6 | 183122.1 | S |
| 139.133 | 0.0000 | 0.0000 | 82.486 | 0.02482 | 0.00000 | 319537.6 | 133416.3 | 183122.1 | S |
| 139.142 | 0.0000 | 0.0000 | 82.486 | 0.02482 | 0.00000 | 319537.6 | 133417.0 | 183122.1 | S |
| 139.150 | 0.0000 | 0.0000 | 82.485 | 0.02482 | 0.00000 | 319537.6 | 133417.8 | 183122.1 | S |
| 139.158 | 0.0000 | 0.0000 | 82.485 | 0.02482 | 0.00000 | 319537.6 | 133418.5 | 183122.1 | S |
| 139.167 | 0.0000 | 0.0000 | 82.485 | 0.02481 | 0.00000 | 319537.6 | 133419.3 | 183122.1 | S |
| 139.175 | 0.0000 | 0.0000 | 82.485 | 0.02481 | 0.00000 | 319537.6 | 133420.0 | 183122.1 | S |
| 139.183 | 0.0000 | 0.0000 | 82.485 | 0.02481 | 0.00000 | 319537.6 | 133420.8 | 183122.1 | S |
| 139.192 | 0.0000 | 0.0000 | 82.485 | 0.02480 | 0.00000 | 319537.6 | 133421.5 | 183122.1 | S |
| 139.200 | 0.0000 | 0.0000 | 82.485 | 0.02480 | 0.00000 | 319537.6 | 133422.3 | 183122.1 | S |
| 139.208 | 0.0000 | 0.0000 | 82.485 | 0.02480 | 0.00000 | 319537.6 | 133423.0 | 183122.1 | S |
| 139.217 | 0.0000 | 0.0000 | 82.485 | 0.02480 | 0.00000 | 319537.6 | 133423.8 | 183122.1 | S |
| 139.225 | 0.0000 | 0.0000 | 82.484 | 0.02479 | 0.00000 | 319537.6 | 133424.5 | 183122.1 | S |
| 139.233 | 0.0000 | 0.0000 | 82.484 | 0.02479 | 0.00000 | 319537.6 | 133425.2 | 183122.1 | S |
| 139.242 | 0.0000 | 0.0000 | 82.484 | 0.02479 | 0.00000 | 319537.6 | 133426.0 | 183122.1 | S |
| 139.250 | 0.0000 | 0.0000 | 82.484 | 0.02479 | 0.00000 | 319537.6 | 133426.7 | 183122.1 | S |
| 139.258 | 0.0000 | 0.0000 | 82.484 | 0.02478 | 0.00000 | 319537.6 | 133427.5 | 183122.1 | S |
| 139.267 | 0.0000 | 0.0000 | 82.484 | 0.02478 | 0.00000 | 319537.6 | 133428.2 | 183122.1 | S |
| 139.275 | 0.0000 | 0.0000 | 82.484 | 0.02478 | 0.00000 | 319537.6 | 133429.0 | 183122.1 | S |
| 139.283 | 0.0000 | 0.0000 | 82.484 | 0.02477 | 0.00000 | 319537.6 | 133429.7 | 183122.1 | S |
| 139.292 | 0.0000 | 0.0000 | 82.484 | 0.02477 | 0.00000 | 319537.6 | 133430.4 | 183122.1 | S |
| 139.300 | 0.0000 | 0.0000 | 82.483 | 0.02477 | 0.00000 | 319537.6 | 133431.2 | 183122.1 | S |
| 139.308 | 0.0000 | 0.0000 | 82.483 | 0.02477 | 0.00000 | 319537.6 | 133431.9 | 783122.1 | S |
| 139.317 | 0.0000 | 0.0000 | 82.483 | 0.02476 | 0.00000 | 319537.6 | 133432.7 | 183122.1 | S |
| 139.325 | 0.0000 | 0.0000 | 82.483 | 0.02476 | 0.00000 | 319537.6 | 133433.4 | 183122.1 | S |
| 139.333 | 0.0000 | 0.0000 | 82.483 | 0.02476 | 0.00000 | 319537.6 | 133434.2 | 183122.1 | S |
| 139.342 | 0.0000 | 0.0000 | 82.483 | 0.02476 | 0.00000 | 319537.6 | 133434.9 | 183122.1 | S |
| 139.350 | 0.0000 | 0.0000 | 82.483 | 0.02475 | 0.00000 | 319537.6 | 133435.6 | 183122.1 | S |
| 139.358 | 0.0000 | 0.0000 | 82.483 | 0.02475 | 0.00000 | 319537.6 | 133436.4 | 183122.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (fi/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{H}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 /} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{H}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 139.367 | 0.0000 | 0.0000 | 82.483 | 0.02475 | 0.00000 | 319537.6 | 133437.1 | 183122.1 | S |
| 139.375 | 0.0000 | 0.0000 | 82.482 | 0.02474 | 0.00000 | 319537.6 | 133437.9 | 183122.1 | S |
| 139.383 | 0.0000 | 0.0000 | 82.482 | 0.02474 | 0.00000 | 319537.6 | 133438.6 | 183122.1 | S |
| 139.392 | 0.0000 | 0.0000 | 82.482 | 0.02474 | 0.00000 | 319537.6 | 133439.3 | 183122.1 | S |
| 139.400 | 0.0000 | 0.0000 | 82.482 | 0.02474 | 0.00000 | 319537.6 | 133440.1 | 183122.1 | S |
| 139.408 | 0.0000 | 0.0000 | 82.482 | 0.02473 | 0.00000 | 319537.6 | 133440.8 | 183122.1 | S |
| 139.417 | 0.0000 | 0.0000 | 82.482 | 0.02473 | 0.00000 | 319537.6 | 133441.6 | 183122.1 | S |
| 139.425 | 0.0000 | 0.0000 | 82.482 | 0.02473 | 0.00000 | 319537.6 | 133442.3 | 183122.1 | S |
| 139.433 | 0.0000 | 0.0000 | 82.482 | 0.02473 | 0.00000 | 319537.6 | 133443.1 | 183122.1 | S |
| 139.442 | 0.0000 | 0.0000 | 82.482 | 0.02472 | 0.00000 | 319537.6 | 133443.8 | 183122.1 | S |
| 139.450 | 0.0000 | 0.0000 | 82.481 | 0.02472 | 0.00000 | 319537.6 | 133444.5 | 183122.1 | S |
| 139.458 | 0.0000 | 0.0000 | 82.481 | 0.02472 | 0.00000 | 319537.6 | 133445.3 | 183122.1 | S |
| 139.467 | 0.0000 | 0.0000 | 82.481 | 0.02471 | 0.00000 | 319537.6 | 133446.0 | 183122.1 | S |
| 139.475 | 0.0000 | 0.0000 | 82.481 | 0.02471 | 0.00000 | 319537.6 | 133446.8 | 183122.1 | S |
| 139.483 | 0.0000 | 0.0000 | 82.481 | 0.02471 | 0.00000 | 319537.6 | 133447.5 | 183122.1 | S |
| 139.492 | 0.0000 | 0.0000 | 82.481 | 0.02471 | 0.00000 | 319537.6 | 133448.3 | 183122.1 | S |
| 139.500 | 0.0000 | 0.0000 | 82.481 | 0.02470 | 0.00000 | 319537.6 | 133449.0 | 183122.1 | S |
| 139.508 | 0.0000 | 0.0000 | 82.481 | 0.02470 | 0.00000 | 319537.6 | 133449.7 | 183122.7 | S |
| 139.517 | 0.0000 | 0.0000 | 82.481 | 0.02470 | 0.00000 | 319537.6 | 133450.5 | 183122.1 | S |
| 139.525 | 0.0000 | 0.0000 | 82.480 | 0.02469 | 0.00000 | 319537.6 | 133451.2 | 183122.1 | S |
| 139.533 | 0.0000 | 0.0000 | 82.480 | 0.02469 | 0.00000 | 319537.6 | 133452.0 | 183122.1 | S |
| 139.542 | 0.0000 | 0.0000 | 82.480 | 0.02469 | 0.00000 | 319537.6 | 133452.7 | 183122.1 | S |
| 139.550 | 0.0000 | 0.0000 | 82.480 | 0.02469 | 0.00000 | 319537.6 | 133453.4 | 183122.1 | S |
| 139.558 | 0.0000 | 0.0000 | 82.480 | 0.02468 | 0.00000 | 319537.6 | 133454.2 | 183122.1 | S |
| 139.567 | 0.0000 | 0.0000 | 82.480 | 0.02468 | 0.00000 | 319537.6 | 133454.9 | 183122.1 | S |
| 139.575 | 0.0000 | 0.0000 | 82.480 | 0.02468 | 0.00000 | 319537.6 | 133455.7 | 183122.1 | S |
| 139.583 | 0.0000 | 0.0000 | 82.480 | 0.02468 | 0.00000 | 319537.6 | 133456.4 | 183122.1 | S |
| 139.592 | 0.0000 | 0.0000 | 82.479 | 0.02467 | 0.00000 | 319537.6 | 133457.1 | 183122.1 | S |
| 139.600 | 0.0000 | 0.0000 | 82.479 | 0.02467 | 0.00000 | 319537.6 | 133457.9 | 183122.1 | S |
| 139.608 | 0.0000 | 0.0000 | 82.479 | 0.02467 | 0.00000 | 319537.6 | 133458.6 | 183122.1 | S |
| 139.617 | 0.0000 | 0.0000 | 82.479 | 0.02466 | 0.00000 | 319537.6 | 133459.4 | 183122.1 | S |
| 139.625 | 0.0000 | 0.0000 | 82.479 | 0.02466 | 0.00000 | 319537.6 | 133460.1 | 183122.1 | S |
| 139.633 | 0.0000 | 0.0000 | 82.479 | 0.02466 | 0.00000 | 319537.6 | 133460.8 | 183122.1 | S |
| 139.642 | 0.0000 | 0.0000 | 82.479 | 0.02466 | 0.00000 | 319537.6 | 133461.6 | 183122.1 | S |
| 139.650 | 0.0000 | 0.0000 | 82.479 | 0.02465 | 0.00000 | 319537.6 | 133462.3 | 183122.1 | S |
| 139.658 | 0.0000 | 0.0000 | 82.479 | 0.02465 | 0.00000 | 319537.6 | 133463.0 | 183122.1 | S |
| 139.667 | 0.0000 | 0.0000 | 82.478 | 0.02465 | 0.00000 | 319537.6 | 133463.8 | 183122.1 | S |
| 139.675 | 0.0000 | 0.0000 | 82.478 | 0.02465 | 0.00000 | 319537.6 | 133464.5 | 183122.1 | S |
| 139.683 | 0.0000 | 0.0000 | 82.478 | 0.02464 | 0.00000 | 319537.6 | 133465.3 | 183122.1 | S |
| 139.692 | 0.0000 | 0.0000 | 82.478 | 0.02464 | 0.00000 | 319537.6 | 133466.0 | 183122.1 | S |
| 139.700 | 0.0000 | 0.0000 | 82.478 | 0.02464 | 0.00000 | 319537.6 | 133466.8 | 183122.7 | S |
| 139.708 | 0.0000 | 0.0000 | 82.478 | 0.02463 | 0.00000 | 319537.6 | 133467.5 | 183122.1 | S |
| 139.717 | 0.0000 | 0.0000 | 82.478 | 0.02463 | 0.00000 | 319537.6 | 133468.2 | 183122.1 | S |
| 139.725 | 0.0000 | 0.0000 | 82.478 | 0.02463 | 0.00000 | 319537.6 | 133469.0 | 183122.1 | S |
| 139.733 | 0.0000 | 0.0000 | 82.478 | 0.02463 | 0.00000 | 319537.6 | 133469.7 | 183122.1 | S |
| 139.742 | 0.0000 | 0.0000 | 82.477 | 0.02462 | 0.00000 | 319537.6 | 133470.5 | 183122.1 | S |
| 139.750 | 0.0000 | 0.0000 | 82.477 | 0.02462 | 0.00000 | 319537.6 | 133471.2 | 183122.1 | S |
| 139.758 | 0.0000 | 0.0000 | 82.477 | 0.02462 | 0.00000 | 319537.6 | 133471.9 | 183122.1 | S |
| 139.767 | 0.0000 | 0.0000 | 82.477 | 0.02462 | 0.00000 | 319537.6 | 133472.7 | 183122.1 | S |
| 139.775 | 0.0000 | 0.0000 | 82.477 | 0.02461 | 0.00000 | 319537.6 | 133473.4 | 183122.1 | S |
| 139.783 | 0.0000 | 0.0000 | 82.477 | 0.02461 | 0.00000 | 319537.6 | \$33474.1 | 183122.1 | S |
| 139.792 | 0.0000 | 0.0000 | 82.477 | 0.02461 | 0.00000 | 319537.6 | 133474.9 | 183122.1 | S |
| 139.800 | 0.0000 | 0.0000 | 82.477 | 0.02460 | 0.00000 | 319537.6 | 133475.6 | 183122.1 | S |
| 139.808 | 0.0000 | 0.0000 | 82.477 | 0.02460 | 0.00000 | 319537.6 | 133476.4 | 183122.1 | S |
| 139.817 | 0.0000 | 0.0000 | 82.476 | 0.02460 | 0.00000 | 319537.6 | 133477.1 | 183122.1 | S |
| 139.825 | 0.0000 | 0.0000 | 82.476 | 0.02460 | 0.00000 | 319537.6 | 133477.8 | 183122.1 | S |
| 139.833 | 0.0000 | 0.0000 | 82.476 | 0.02459 | 0.00000 | 319537.6 | 133478.6 | 183122.1 | S |
| 139.842 | 0.0000 | 0.0000 | 82.476 | 0.02459 | 0.00000 | 319537.6 | 133479.3 | 183122.1 | S |
| 139.850 | 0.0000 | 0.0000 | 82.476 | 0.02459 | 0.00000 | 319537.6 | 133480.0 | 183122.1 | S |
| 139.858 | 0.0000 | 0.0000 | 82.476 | 0.02459 | 0.00000 | 319537.6 | 133480.8 | 183122.1 | S |
| 139.867 | 0.0000 | 0.0000 | 82.476 | 0.02458 | 0.00000 | 319537.6 | 133481.5 | 183122.1 | S |
| 139.875 | 0.0000 | 0.0000 | 82.476 | 0.02458 | 0.00000 | 319537.6 | 133482.3 | 183122.1 | S |
| 139.883 | 0.0000 | 0.0000 | 82.476 | 0.02458 | 0.00000 | 318537.6 | 133483.0 | 183122.1 | S |
| 139.892 | 0.0000 | 0.0000 | 82.475 | 0.02457 | 0.00000 | 318537.6 | 133483.7 | 183122.1 | S |
| 139.900 | 0.0000 | 0.0000 | 82.475 | 0.02457 | 0.00000 | 319537,6 | 133484.5 | 183122.1 | S |
| 139.908 | 0.0000 | 0.0000 | 82.475 | 0.02457 | 0.00000 | 319537.6 | 133485.2 | 183122.1 | S |
| 139.917 | 0.0000 | 0.0000 | 82.475 | 0.02457 | 0.00000 | 319537.6 | 133485.9 | 183122.1 | S |
| 139.925 | 0.0000 | 0.0000 | 82.475 | 0.02456 | 0.00000 | 319537.6 | 133486.7 | 183122.1 | S |
| \$39.933 | 0.0000 | 0.0000 | 82.475 | 0.02456 | 0.00000 | 319537.6 | 133487.4 | 183122.1 | S |
| 139.942 | 0.0000 | 0.0000 | 82.475 | 0.02456 | 0.00000 | 319537.6 | 133488.2 | 183122.1 | S |
| 139.950 | 0.0000 | 0.0000 | 82.475 | 0.02456 | 0.00000 | 319537.6 | 133488.9 | 183122.1 | S |
| 139.958 | 0.0000 | 0.0000 | 82.475 | 0.02455 | 0.00000 | 319537.6 | 133489.6 | 183122.1 | S |
| 139.967 | 0.0000 | 0.0000 | 82.474 | 0.02455 | 0.00000 | 319537.6 | $\uparrow 33490.4$ | 183122.1 | S |
| 139.975 | 0.0000 | 0.0000 | 82.474 | 0.02455 | 0.00000 | 319537.6 | 133491.1 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario $1::$ pond10 100 yr $/ 24$ Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume (ft ${ }^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 139.983 | 0.0000 | 0.0000 | 82.474 | 0.02455 | 0.00000 | 319537.6 | 133491.8 | 183122.1 | S |
| 139.992 | 0.0000 | 0.0000 | 82.474 | 0.02454 | 0.00000 | 319537.6 | 133492.6 | 183122.1 | S |
| 140.000 | 0.0000 | 0.0000 | 82.474 | 0.02454 | 0.00000 | 319537.6 | 133493.3 | 183122.1 | S |
| 140.008 | 0.0000 | 0.0000 | 82.474 | 0.02454 | 0.00000 | 319537.6 | 133494.0 | 183122.1 | S |
| 140.017 | 0.0000 | 0.0000 | 82.474 | 0.02453 | 0.00000 | 319537.6 | 133494.8 | 183122.1 | S |
| 140.025 | 0.0000 | 0.0000 | 82.474 | 0.02453 | 0.00000 | 319537.6 | 133495.5 | 183122.1 | S |
| 140.033 | 0.0000 | 0.0000 | 82.474 | 0.02453 | 0.00000 | 319537.6 | 133496.3 | 183122.1 | S |
| 140.042 | 0.0000 | 0.0000 | 82.473 | 0.02453 | 0.00000 | 319537.6 | 133497.0 | 183122.1 | S |
| 140.050 | 0.0000 | 0.0000 | 82.473 | 0.02452 | 0.00000 | 319537.6 | 133497.7 | 183122.1 | S |
| 140.058 | 0.0000 | 0.0000 | 82.473 | 0.02452 | 0.00000 | 319537.6 | 133498.5 | 183122.1 | S |
| 140.067 | 0.0000 | 0.0000 | 82.473 | 0.02452 | 0.00000 | 319537.6 | 133499.2 | 183122.1 | S |
| 140.075 | 0.0000 | 0.0000 | 82.473 | 0.02452 | 0.00000 | 319537.6 | 133499.9 | 183122.1 | S |
| 140.083 | 0.0000 | 0.0000 | 82.473 | 0.02451 | 0.00000 | 319537.6 | 133500.7 | 183122.1 | S |
| 140.092 | 0.0000 | 0.0000 | 82.473 | 0.02451 | 0.00000 | 319537.6 | 133501.4 | 183122.1 | S |
| 140.100 | 0.0000 | 0.0000 | 82.473 | 0.02451 | 0.00000 | 319537.6 | 133502. ${ }^{\text {a }}$ | 183122.1 | S |
| 140.108 | 0.0000 | 0.0000 | 82.473 | 0.02450 | 0.00000 | 319537.6 | 133502.9 | 183122.1 | S |
| 140.117 | 0.0000 | 0.0000 | 82.472 | 0.02450 | 0.00000 | 319537.6 | 133503.6 | 183122.4 | S |
| 140.125 | 0.0000 | 0.0000 | 82.472 | 0.02450 | 0.00000 | 319537.6 | 133504.3 | 183122.1 | S |
| 140.133 | 0.0000 | 0.0000 | 82.472 | 0.02450 | 0.00000 | 319537.6 | 133505.1 | 183122.1 | S |
| 140.142 | 0.0000 | 0.0000 | 82.472 | 0.02449 | 0.00000 | 319537.6 | 133505.8 | 183122.1 | S |
| 140.150 | 0.0000 | 0.0000 | 82.472 | 0.02449 | 0.00000 | 319537.6 | 133506.5 | 183122.1 | S |
| 140.158 | 0.0000 | 0.0000 | 82.472 | 0.02449 | 0.00000 | 319537.6 | 133507.3 | 183122.1 | S |
| 140.167 | 0.0000 | 0.0000 | 82.472 | 0.02449 | 0.00000 | 319537.6 | 133508.0 | 183122.1 | S |
| 140.175 | 0.0000 | 0.0000 | 82.472 | 0.02448 | 0.00000 | 319537.6 | 133508.8 | 183122.1 | S |
| 140.183 | 0.0000 | 0.0000 | 82.472 | 0.02448 | 0.00000 | 319537.6 | 133509.5 | 183122.1 | S |
| 140.192 | 0.0000 | 0.0000 | 82.471 | 0.02448 | 0.00000 | 319537.6 | 133510.2 | 183122.1 | S |
| 140.200 | 0.0000 | 0.0000 | 82.471 | 0.02447 | 0.00000 | 319537.6 | 133511.0 | 183122.1 | S |
| 140.208 | 0.0000 | 0.0000 | 82.471 | 0.02447 | 0.00000 | 319537.6 | 133511.7 | 783122.1 | S |
| 140.217 | 0.0000 | 0.0000 | 82.471 | 0.02447 | 0.00000 | 319537.6 | 133512.4 | 183122.1 | S |
| 140.225 | 0.0000 | 0.0000 | 82.471 | 0.02447 | 0.00000 | 319537.6 | 133513.2 | 183122.1 | S |
| 140.233 | 0.0000 | 0.0000 | 82.471 | 0.02446 | 0.00000 | 319537.6 | 133513.9 | 183122.1 | S |
| 140.242 | 0.0000 | 0.0000 | 82.471 | 0.02446 | 0.00000 | 319537.6 | 133514.6 | 183122.1 | S |
| 140.250 | 0.0000 | 0.0000 | 82.471 | 0.02446 | 0.00000 | 319537.6 | 133515.4 | 183122.1 | S |
| 140.258 | 0.0000 | 0.0000 | 82.471 | 0.02446 | 0.00000 | 319537.6 | 133516.1 | 183122.1 | S |
| 140.267 | 0.0000 | 0.0000 | 82.470 | 0.02445 | 0.00000 | 319537.6 | 133516.8 | 183122.1 | S |
| 140.275 | 0.0000 | 0.0000 | 82.470 | 0.02445 | 0.00000 | 319537.6 | 133517.6 | 183122.1 | S |
| 140.283 | 0.0000 | 0.0000 | 82.470 | 0.02445 | 0.00000 | 319537.6 | 133518.3 | 183122.1 | S |
| 140.292 | 0.0000 | 0.0000 | 82.470 | 0.02444 | 0.00000 | 319537.6 | 133519.0 | 183122.1 | S |
| 140.300 | 0.0000 | 0.0000 | 82.470 | 0.02444 | 0.00000 | 319537.6 | 133519.8 | 183122.1 | S |
| 140.308 | 0.0000 | 0.0000 | 82.470 | 0.02444 | 0.00000 | 319537.6 | 133520.5 | 183122.1 | S |
| 140.317 | 0.0000 | 0.0000 | 82.470 | 0.02444 | 0.00000 | 319537.6 | 133521.2 | 183122.1 | S |
| 140.325 | 0.0000 | 0.0000 | 82.470 | 0.02443 | 0.00000 | 319537.6 | 133522.0 | 183122.1 | S |
| 140.333 | 0.0000 | 0.0000 | 82.470 | 0.02443 | 0.00000 | 319537.6 | 133522.7 | 183122.1 | S |
| 140.342 | 0.0000 | 0.0000 | 82.469 | 0.02443 | 0.00000 | 319537.6 | 133523.4 | 183122.1 | S |
| 140.350 | 0.0000 | 0.0000 | 82.469 | 0.02443 | 0.00000 | 319537.6 | 133524.2 | 183122.1 | S |
| 140.358 | 0.0000 | 0.0000 | 82.469 | 0.02442 | 0.00000 | 319537.6 | 133524.9 | 183122.1 | S |
| 140.367 | 0.0000 | 0.0000 | 82.469 | 0.02442 | 0.00000 | 319537.6 | 133525.6 | 183122.1 | S |
| 140.375 | 0.0000 | 0.0000 | 82.469 | 0.02442 | 0.00000 | 319537.6 | 133526.4 | 183122.1 | S |
| 140.383 | 0.0000 | 0.0000 | 82.469 | 0.02442 | 0.00000 | 319537.6 | 133527.1 | 183122.1 | S |
| 140.392 | 0.0000 | 0.0000 | 82.469 | 0.02441 | 0.00000 | 319537.6 | 133527.8 | 183122.1 | S |
| 140.400 | 0.0000 | 0.0000 | 82.469 | 0.02441 | 0.00000 | 319537.6 | 133528.5 | 183122.1 | S |
| 140.408 | 0.0000 | 0.0000 | 82.469 | 0.02441 | 0.00000 | 319537.6 | 133529.3 | 183122.1 | S |
| $\$ 40.417$ | 0.0000 | 0.0000 | 82.468 | 0.02440 | 0.00000 | 319537.6 | 133530.0 | 183122.1 | S |
| 140.425 | 0.0000 | 0.0000 | 82.468 | 0.02440 | 0.00000 | 319537.6 | 133530.8 | 183122.1 | S |
| 140.433 | 0.0000 | 0.0000 | 82.468 | 0.02440 | 0.00000 | 319537.6 | 133531.5 | 183122.1 | S |
| 140.442 | 0.0000 | 0.0000 | 82.468 | 0.02440 | 0.00000 | 319537.6 | 133532.2 | 183122.1 | S |
| 140.450 | 0.0000 | 0.0000 | 82.468 | 0.02439 | 0.00000 | 319537.6 | 133532.9 | 183122.1 | S |
| 140.458 | 0.0000 | 0.0000 | 82.468 | 0.02439 | 0.00000 | 319537.6 | 133533.7 | 183122.1 | S |
| 140.467 | 0.0000 | 0.0000 | 82.468 | 0.02439 | 0.00000 | 319537.6 | 133534.4 | 183122.1 | S |
| 140.475 | 0.0000 | 0.0000 | 82.468 | 0.02439 | 0.00000 | 319537.6 | 133535.1 | 183122.1 | S |
| 140.483 | 0.0000 | 0.0000 | 82.467 | 0.02438 | 0.00000 | 319537.6 | 133535.9 | 183122.1 | S |
| 140.492 | 0.0000 | 0.0000 | 82.467 | 0.02438 | 0.00000 | 319537.6 | 133536.6 | 183122.1 | S |
| 140.500 | 0.0000 | 0.0000 | 82.467 | 0.02438 | 0.00000 | 319537.6 | 133537.3 | 183122.1 | S |
| 140.508 | 0.0000 | 0.0000 | 82.467 | 0.02438 | 0.00000 | 319537.6 | 133538.1 | 183122.1 | S |
| 140.517 | 0.0000 | 0.0000 | 82.467 | 0.02437 | 0.00000 | 319537.6 | 133538.8 | 183122.1 | S |
| 140.525 | 0.0000 | 0.0000 | 82.467 | 0.02437 | 0.00000 | 319537.6 | 133539.5 | 183122.1 | S |
| 140.533 | 0.0000 | 0.0000 | 82.467 | 0.02437 | 0.00000 | 319537.6 | 133540.3 | 183122.1 | S |
| 140.542 | 0.0000 | 0.0000 | 82.467 | 0.02436 | 0.00000 | 319537.6 | 133541.0 | 183122.1 | S |
| 140.550 | 0.0000 | 0.0000 | 82.467 | 0.02436 | 0.00000 | 319537.6 | 133541.7 | 183122.1 | S |
| 140.558 | 0.0000 | 0.0000 | 82.466 | 0.02436 | 0.00000 | 319537.6 | 133542.5 | 183122.1 | S |
| 140.567 | 0.0000 | 0.0000 | 82.466 | 0.02436 | 0.00000 | 319537.6 | 133543.2 | 183122.1 | S |
| 140.575 | 0.0000 | 0.0000 | 82.466 | 0.02435 | 0.00000 | 319537.6 | 133543.9 | 183122.1 | S |
| 140.583 | 0.0000 | 0.0000 | 82.466 | 0.02435 | 0.00000 | 319537.6 | 133544.6 | 183122.1 | S |
| 140.592 | 0.0000 | 0.0000 | 82.466 | 0.02435 | 0.00000 | 319537.6 | 133545.4 | 183122.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:: Scenario $1: \because$ pond10 100 yr $/ 24 \mathrm{Hr}$ routing $w /$ overflow

| Elapsed Time (hours) | Inflow Rate (fishs) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 140.600 | 0.0000 | 0.0000 | 82.466 | 0.02435 | 0.00000 | 319537.6 | 133546.1 | 183122.1 | S |
| 140.608 | 0.0000 | 0.0000 | 82.466 | 0.02434 | 0.00000 | 319537.6 | 133546.8 | 183122.1 | S |
| 140.617 | 0.0000 | 0.0000 | 82.466 | 0.02434 | 0.00000 | 319537.6 | 133547.6 | 183122.1 | S |
| 140.625 | 0.0000 | 0.0000 | 82.466 | 0.02434 | 0.00000 | 319537.6 | 133548.3 | 183122.1 | S |
| 140.633 | 0.0000 | 0.0000 | 82.465 | 0.02433 | 0.00000 | 319537.6 | 133549.0 | 183122.1 | S |
| 140.642 | 0.0000 | 0.0000 | 82.465 | 0.02433 | 0.00000 | 319537.6 | 133549.8 | 183122.1 | S |
| 140.650 | 0.0000 | 0.0000 | 82.465 | 0.02433 | 0.00000 | 319537.6 | 133550.5 | 183122.1 | S |
| 140.658 | 0.0000 | 0.0000 | 82.465 | 0.02433 | 0.00000 | 319537.6 | 133551.2 | 183122.1 | S |
| 140.667 | 0.0000 | 0.0000 | 82.465 | 0.02432 | 0.00000 | 319537.6 | 133551.9 | 183122.1 | S |
| 140.675 | 0.0000 | 0.0000 | 82.465 | 0.02432 | 0.00000 | 319537.6 | 133552.7 | 183122.1 | S |
| 140.683 | 0.0000 | 0.0000 | 82.465 | 0.02432 | 0.00000 | 319537.6 | 133553.4 | 183122.1 | S |
| 140.692 | 0.0000 | 0.0000 | 82.465 | 0.02432 | 0.00000 | 319537.6 | 133554.1 | 183122.1 | S |
| 140.700 | 0.0000 | 0.0000 | 82.465 | 0.02431 | 0.00000 | 319537.6 | 133554.9 | 183122.1 | S |
| 140.708 | 0.0000 | 0.0000 | 82.464 | 0.02431 | 0.00000 | 319537.6 | 133555.6 | 183122.1 | S |
| 140.717 | 0.0000 | 0.0000 | 82.464 | 0.02431 | 0.00000 | 319537.6 | 133556.3 | 183122.1 | S |
| 140.725 | 0.0000 | 0.0000 | 82.464 | 0.02431 | 0.00000 | 319537.6 | 133557.0 | 183122.1 | S |
| 140.733 | 0.0000 | 0.0000 | 82.464 | 0.02430 | 0.00000 | 319537.6 | 133557.8 | 183122.1 | S |
| 140.742 | 0.0000 | 0.0000 | 82.464 | 0.02430 | 0.00000 | 319537.6 | 133558.5 | 183122.1 | S |
| 140.750 | 0.0000 | 0.0000 | 82.464 | 0.02430 | 0.00000 | $3 \ddagger 9537.6$ | 133559.2 | 183122.1 | S |
| 140.758 | 0.0000 | 0.0000 | 82.464 | 0.02429 | 0.00000 | 319537.6 | 133560.0 | 183122.1 | S |
| 140.767 | 0.0000 | 0.0000 | 82.464 | 0.02429 | 0.00000 | 319537.6 | 133560.7 | 183122.1 | S |
| 140.775 | 0.0000 | 0.0000 | 82.464 | 0.02429 | 0.00000 | 319537.6 | 133561.4 | 183122.1 | S |
| 140.783 | 0.0000 | 0.0000 | 82.463 | 0.02429 | 0.00000 | 319537.6 | 133562.2 | 183122.1 | S |
| 140.792 | 0.0000 | 0.0000 | 82.463 | 0.02428 | 0.00000 | 319537.6 | 133562.9 | 183122.1 | S |
| 140.800 | 0.0000 | 0.0000 | 82.463 | 0.02428 | 0.00000 | 319537.6 | 133563.6 | 183122.1 | S |
| 140.808 | 0.0000 | 0.0000 | 82.463 | 0.02428 | 0.00000 | 319537.6 | 133564.3 | 183122.1 | S |
| 140.817 | 0.0000 | 0.0000 | 82.463 | 0.02428 | 0.00000 | 319537.6 | 133565.7 | 183122.1 | S |
| 140.825 | 0.0000 | 0.0000 | 82.463 | 0.02427 | 0.00000 | 319537.6 | 133565.8 | 183122.1 | S |
| 140.833 | 0.0000 | 0.0000 | 82.463 | 0.02427 | 0.00000 | 319537.6 | 133566.5 | 183122.1 | S |
| 140.842 | 0.0000 | 0.0000 | 82.463 | 0.02427 | 0.00000 | 319537.6 | 133567.3 | 183122.1 | S |
| 140.850 | 0.0000 | 0.0000 | 82.463 | 0.02427 | 0.00000 | 319537.6 | 133568.0 | 183122.1 | S |
| 140.858 | 0.0000 | 0.0000 | 82.462 | 0.02426 | 0.00000 | 319537.6 | 133568.7 | 183122.1 | S |
| 140.867 | 0.0000 | 0.0000 | 82.462 | 0.02426 | 0.00000 | 319537.6 | 133569.4 | 183122.1 | S |
| 140.875 | 0.0000 | 0.0000 | 82.462 | 0.02426 | 0.00000 | 319537.6 | 133570.2 | 183122.1 | S |
| 140.883 | 0.0000 | 0.0000 | 82.462 | 0.02425 | 0.00000 | 319537.6 | 133570.9 | 183122.1 | S |
| 140.892 | 0.0000 | 0.0000 | 82.462 | 0.02425 | 0.00000 | 319537.6 | 133571.6 | 183122.1 | S |
| 140.900 | 0.0000 | 0.0000 | 82.462 | 0.02425 | 0.00000 | 319537.6 | 133572.3 | 183122.1 | S |
| 140.908 | 0.0000 | 0.0000 | 82.462 | 0.02425 | 0.00000 | 319537.6 | 133573.1 | 183122.1 | S |
| 140.917 | 0.0000 | 0.0000 | 82.462 | 0.02424 | 0.00000 | 319537.6 | 133573.8 | 183122.1 | S |
| 140.925 | 0.0000 | 0.0000 | 82.462 | 0.02424 | 0.00000 | 319537.6 | 133574.5 | 183122.1 | S |
| 140.933 | 0.0000 | 0.0000 | 82.461 | 0.02424 | 0.00000 | 319537.6 | 133575.3 | 183122.1 | S |
| 140.942 | 0.0000 | 0.0000 | 82.461 | 0.02424 | 0.00000 | 319537.6 | 133576.0 | 183122.1 | S |
| 140.950 | 0.0000 | 0.0000 | 82.461 | 0.02423 | 0.00000 | 319537.6 | 133576.7 | 183122.1 | S |
| 140.958 | 0.0000 | 0.0000 | 82.461 | 0.02423 | 0.00000 | 319537.6 | 133577.4 | 183122.1 | S |
| 140.967 | 0.0000 | 0.0000 | 82.461 | 0.02423 | 0.00000 | 319537.6 | 133578.2 | 183122.1 | S |
| 140.975 | 0.0000 | 0.0000 | 82.461 | 0.02423 | 0.00000 | 319537.6 | 133578.9 | 183122.1 | S |
| 140.983 | 0.0000 | 0.0000 | 82.461 | 0.02422 | 0.00000 | 319537.6 | 133579.6 | 183122.1 | S |
| 140.992 | 0.0000 | 0.0000 | 82.461 | 0.02422 | 0.00000 | 319537.6 | 133580.3 | 183122.1 | S |
| 141.000 | 0.0000 | 0.0000 | 82.461 | 0.02422 | 0.00000 | 319537.6 | 133581.1 | 183122.1 | S |
| 141.008 | 0.0000 | 0.0000 | 82.460 | 0.02421 | 0.00000 | 319537.6 | 133581.8 | 183122.1 | S |
| 141.017 | 0.0000 | 0.0000 | 82.460 | 0.02421 | 0.00000 | 319537.6 | 133582.5 | 183122.1 | S |
| 141.025 | 0.0000 | 0.0000 | 82.460 | 0.02421 | 0.00000 | 319537.6 | 133583.3 | 183122.1 | S |
| 141.033 | 0.0000 | 0.0000 | 82.460 | 0.02421 | 0.00000 | 319537.6 | 133584.0 | 183122.1 | S |
| 141.042 | 0.0000 | 0.0000 | 82.460 | 0.02420 | 0.00000 | 319537.6 | 133584.7 | 183122.1 | S |
| 141.050 | 0.0000 | 0.0000 | 82.460 | 0.02420 | 0.00000 | 319537.6 | 133585.4 | 183122.1 | S |
| 141.058 | 0.0000 | 0.0000 | 82.460 | 0.02420 | 0.00000 | 319537.6 | 133586.2 | 183122.1 | S |
| 141.067 | 0.0000 | 0.0000 | 82.460 | 0.02420 | 0.00000 | 319537.6 | 133586.9 | 783722.1 | S |
| 141.075 | 0.0000 | 0.0000 | 82.460 | 0.02419 | 0.00000 | 319537.6 | 133587.6 | 183122.1 | S |
| 141.083 | 0.0000 | 0.0000 | 82.459 | 0.02419 | 0.00000 | 319537.6 | 133588.3 | 183122.1 | S |
| 141.092 | 0.0000 | 0.0000 | 82.459 | 0.02419 | 0.00000 | 319537.6 | 133589.0 | 183122.1 | S |
| 141.100 | 0.0000 | 0.0000 | 82.459 | 0.02419 | 0.00000 | 319537.6 | 133589.8 | 183122.1 | S |
| 141.108 | 0.0000 | 0.0000 | 82.459 | 0.02418 | 0.00000 | 319537.6 | 133590.5 | 183122.1 | S |
| 141.117 | 0.0000 | 0.0000 | 82.459 | 0.02418 | 0.00000 | 319537.6 | 133501.2 | 183122.1 | S |
| 141.125 | 0.0000 | 0.0000 | 82.459 | 0.02418 | 0.00000 | 319537.6 | 133502.0 | 183122.1 | S |
| 141.133 | 0.0000 | 0.0000 | 82.459 | 0.02417 | 0.00000 | 319537.6 | 133592.7 | 183122.1 | S |
| 141.142 | 0.0000 | 0.0000 | 82.459 | 0.02417 | 0.00000 | 319537.6 | 133593.4 | 183122.1 | S |
| 141.150 | 0.0000 | 0.0000 | 82.459 | 0.02417 | 0.00000 | 319537.6 | 133594.1 | 183122.1 | S |
| 141.158 | 0.0000 | 0.0000 | 82.458 | 0.02417 | 0.00000 | 319537.6 | 133594.9 | 183122.1 | S |
| 141.167 | 0.0000 | 0.0000 | 82.458 | 0.02416 | 0.00000 | 319537.6 | 133595.6 | 183122.1 | S |
| 141.175 | 0.0000 | 0.0000 | 82.458 | 0.02416 | 0.00000 | 319537.6 | 133596.3 | 183122.1 | S |
| 141.183 | 0.0000 | 0.0000 | 82.458 | 0.02416 | 0.00000 | 319537.6 | 133597.0 | 183122.1 | S |
| 141.192 | 0.0000 | 0.0000 | 82.458 | 0.02416 | 0.00000 | 319537.6 | 133597.8 | 183122.1 | S |
| 141.200 | 0.0000 | 0.0000 | 82.458 | 0.02415 | 0.00000 | 319537.6 | 133598.5 | 183122.1 | S |
| 141.208 | 0.0000 | 0.0000 | 82.458 | 0.02415 | 0.00000 | 319537.6 | 133599.2 | 183122.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (f/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / 3}$ ) | Overflow Discharge ( $\mathrm{H}^{3} / \mathrm{s}$ ) | $\begin{aligned} & \text { Cumulative } \\ & \text { inflow } \\ & \text { Volume }\left(f^{3}\right) \end{aligned}$ | Cumulative Inflltration Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 141.217 | 0.0000 | 0.0000 | 82.458 | 0.02415 | 0.00000 | 319537.6 | 133599.9 | 183122.1 | S |
| 141.225 | 0.0000 | 0.0000 | 82.458 | 0.02415 | 0.00000 | 319537.6 | 133600.7 | 183122.1 | S |
| 141.233 | 0.0000 | 0.0000 | 82.457 | 0.02414 | 0.00000 | 319537.6 | 133601.4 | 183122.1 | S |
| 141.242 | 0.0000 | 0.0000 | 82.457 | 0.02414 | 0.00000 | 319537.6 | 133602.1 | 183122.1 | S |
| 141.250 | 0.0000 | 0.0000 | 82.457 | 0.02414 | 0.00000 | 319537.6 | 133602.8 | 183122.1 | S |
| 141.258 | 0.0000 | 0.0000 | 82.457 | 0.02414 | 0.00000 | 319537.6 | 133603.5 | 183122.1 | S |
| 141.267 | 0.0000 | 0.0000 | 82.457 | 0.02413 | 0.00000 | 319537.6 | 133604.3 | 183122.1 | S |
| 141.275 | 0.0000 | 0.0000 | 82.457 | 0.02413 | 0.00000 | 319537.6 | 133605.0 | 183122.1 | S |
| 141.283 | 0.0000 | 0.0000 | 82.457 | 0.02413 | 0.00000 | 319537.6 | 133605.7 | 183122.1 | S |
| 141.292 | 0.0000 | 0.0000 | 82.457 | 0.02412 | 0.00000 | 319537.6 | 133606.5 | 183122.1 | S |
| 141.300 | 0.0000 | 0.0000 | 82.457 | 0.02412 | 0.00000 | 319537.6 | 133607.2 | 183122.1 | S |
| 141.308 | 0.0000 | 0.0000 | 82.456 | 0.02412 | 0.00000 | 319537.6 | 133607.9 | 183122.1 | S |
| 141.317 | 0.0000 | 0.0000 | 82.456 | 0.02412 | 0.00000 | 319537.6 | 133608.6 | 183122.1 | S |
| 141.325 | 0.0000 | 0.0000 | 82.456 | 0.02411 | 0.00000 | 319537.6 | 133609.3 | 183122.1 | S |
| 141.333 | 0.0000 | 0.0000 | 82.456 | 0.02411 | 0.00000 | 319537.6 | 133610.1 | 183122.1 | S |
| 141.342 | 0.0000 | 0.0000 | 82.456 | 0.02411 | 0.00000 | 319537.6 | 133610.8 | 183122.1 | S |
| \$41.350 | 0.0000 | 0.0000 | 82.456 | 0.02411 | 0.00000 | 319537.6 | 133611.5 | 183122.1 | S |
| 141.358 | 0.0000 | 0.0000 | 82.456 | 0.02410 | 0.00000 | 319537.6 | 133612.2 | 183122.1 | S |
| 141.367 | 0.0000 | 0.0000 | 82.456 | 0.02410 | 0.00000 | 319537.6 | 133613.0 | 183122.1 | S |
| 141.375 | 0.0000 | 0.0000 | 82.456 | 0.02410 | 0.00000 | 319537.6 | 133613.7 | 183122.1 | S |
| 141.383 | 0.0000 | 0.0000 | 82.456 | 0.02410 | 0.00000 | 319537.6 | 133614.4 | 183122.1 | S |
| 141.392 | 0.0000 | 0.0000 | 82.455 | 0.02409 | 0.00000 | 319537.6 | 133615.1 | 183122.1 | S |
| 141.400 | 0.0000 | 0.0000 | 82.455 | 0.02409 | 0.00000 | 319537.6 | 133615.8 | 183122.1 | S |
| 141.408 | 0.0000 | 0.0000 | 82.455 | 0.02409 | 0.00000 | 319537.6 | 133616.6 | 183122.1 | S |
| 141.417 | 0.0000 | 0.0000 | 82.455 | 0.02408 | 0.00000 | 319537.6 | 133617.3 | 183122.1 | S |
| 141.425 | 0.0000 | 0.0000 | 82.455 | 0.02408 | 0.00000 | 319537.6 | 133618.0 | 183122.1 | S |
| 141.433 | 0.0000 | 0.0000 | 82.455 | 0.02408 | 0.00000 | 319537.6 | 133618.7 | 183122.1 | S |
| 141.442 | 0.0000 | 0.0000 | 82.455 | 0.02408 | 0.00000 | 319537.6 | 133619.5 | 183122.1 | S |
| 141.450 | 0.0000 | 0.0000 | 82.455 | 0.02407 | 0.00000 | 319537.6 | 133620.2 | 183122.1 | S |
| 141.458 | 0.0000 | 0.0000 | 82.455 | 0.02407 | 0.00000 | 319537.6 | 133620.9 | 183122.1 | S |
| 141.467 | 0.0000 | 0.0000 | 82.454 | 0.02407 | 0.00000 | 319537.6 | 133621.6 | 183122.1 | S |
| 141.475 | 0.0000 | 0.0000 | 82.454 | 0.02407 | 0.00000 | 319537.6 | 133622.3 | 183122.1 | S |
| 141.483 | 0.0000 | 0.0000 | 82.454 | 0.02406 | 0.00000 | 319537.6 | 133623.1 | 183122.1 | S |
| 141.492 | 0.0000 | 0.0000 | 82.454 | 0.02406 | 0.00000 | 319537.6 | 133623.8 | 183122.1 | S |
| 141.500 | 0.0000 | 0.0000 | 82.454 | 0.02406 | 0.00000 | 319537.6 | 133624.5 | 183122.1 | S |
| 141.508 | 0.0000 | 0.0000 | 82.454 | 0.02406 | 0.00000 | 319537.6 | 133625.2 | 183122.1 | S |
| 141.517 | 0.0000 | 0.0000 | 82.454 | 0.02405 | 0.00000 | 319537.6 | 133626.0 | 183122.1 | S |
| 141.525 | 0.0000 | 0.0000 | 82.454 | 0.02405 | 0.00000 | 319537.6 | 133626.7 | 183122.1 | S |
| 141.533 | 0.0000 | 0.0000 | 82.454 | 0.02405 | 0.00000 | 319537.6 | 133627.4 | 183122.1 | S |
| 141.542 | 0.0000 | 0.0000 | 82.453 | 0.02405 | 0.00000 | 319537.6 | 133628.1 | 183122.1 | S |
| 141.550 | 0.0000 | 0.0000 | 82.453 | 0.02404 | 0.00000 | 319537.6 | 133628.8 | 183122.1 | S |
| 141.558 | 0.0000 | 0.0000 | 82.453 | 0.02404 | 0.00000 | 319537.6 | 133629.6 | 183122.1 | S |
| 141.567 | 0.0000 | 0.0000 | 82.453 | 0.02404 | 0.00000 | 319537.6 | 133630.3 | 183122.4 | S |
| 141.575 | 0.0000 | 0.0000 | 82.453 | 0.02403 | 0.00000 | 319537.6 | 133631.0 | 183122.1 | S |
| 141.583 | 0.0000 | 0.0000 | 82.453 | 0.02403 | 0.00000 | 319537.6 | 133631.7 | 183122.1 | S |
| 141.592 | 0.0000 | 0.0000 | 82.453 | 0.02403 | 0.00000 | 319537.6 | 133632.5 | 183122.1 | S |
| 141.600 | 0.0000 | 0.0000 | 82.453 | 0.02403 | 0.00000 | 319537.6 | 133633.2 | 183122.1 | S |
| 141.608 | 0.0000 | 0.0000 | 82.453 | 0.02402 | 0.00000 | 319537.6 | 133633.9 | 183122.1 | S |
| 141.617 | 0.0000 | 0.0000 | 82.452 | 0.02402 | 0.00000 | 319537.6 | 133634.6 | 183122.1 | S |
| 141.625 | 0.0000 | 0.0000 | 82.452 | 0.02402 | 0.00000 | 319537.6 | 133635.3 | 183122.1 | S |
| 141.633 | 0.0000 | 0.0000 | 82.452 | 0.02402 | 0.00000 | 319537.6 | 133636.0 | 183122.1 | S |
| 141.642 | 0.0000 | 0.0000 | 82.452 | 0.02401 | 0.00000 | 319537.6 | 133636.8 | 183122.1 | S |
| 141.650 | 0.0000 | 0.0000 | 82.452 | 0.02401 | 0.00000 | 319537.6 | 133637.5 | 183122.1 | S |
| 141.658 | 0.0000 | 0.0000 | 82.452 | 0.02401 | 0.00000 | 319537.6 | 133638.2 | 183122.1 | S |
| 141.667 | 0.0000 | 0.0000 | 82.452 | 0.02401 | 0.00000 | 319537.6 | 133638.9 | 183122.1 | S |
| 141.675 | 0.0000 | 0.0000 | 82.452 | 0.02400 | 0.00000 | 319537.6 | 133639.7 | 183122.1 | S |
| 141.683 | 0.0000 | 0.0000 | 82.452 | 0.02400 | 0.00000 | 319537.6 | 133640.4 | 183122.1 | S |
| 141.692 | 0.0000 | 0.0000 | 82.451 | 0.02400 | 0.00000 | 319537.6 | 133641.1 | 183122.1 | S |
| 141.700 | 0.0000 | 0.0000 | 82.451 | 0.02400 | 0.00000 | 319537.6 | 133641.8 | 183122.1 | S |
| 141.708 | 0.0000 | 0.0000 | 82.451 | 0.02399 | 0.00000 | 319537.6 | 133642.5 | 483122.1 | S |
| 141.717 | 0.0000 | 0.0000 | 82.451 | 0.02399 | 0.00000 | 319537.6 | 133643.3 | 183122.1 | S |
| 141.725 | 0.0000 | 0.0000 | 82.451 | 0.02399 | 0.00000 | 319537.6 | 133644.0 | 183122.1 | S |
| 141.733 | 0.0000 | 0.0000 | 82.451 | 0.02398 | 0.00000 | 319537.6 | 133644.7 | 183122.1 | S |
| 141.742 | 0.0000 | 0.0000 | 82.451 | 0.02398 | 0.00000 | 319537.6 | 133645.4 | 183122.7 | S |
| 141.750 | 0.0000 | 0.0000 | 82.451 | 0.02398 | 0.00000 | 319537.6 | 133646.1 | 183122.1 | S |
| 141.758 | 0.0000 | 0.0000 | 82.451 | 0.02398 | 0.00000 | 319537.6 | 133646.9 | 183122.1 | S |
| 141.767 | 0.0000 | 0.0000 | 82.450 | 0.02397 | 0.00000 | 319537.6 | 133647.6 | 183122.1 | S |
| 141.775 | 0.0000 | 0.0000 | 82.450 | 0.02397 | 0.00000 | 319537.6 | 133648.3 | 183122.1 | S |
| 141.783 | 0.0000 | 0.0000 | 82.450 | 0.02397 | 0.00000 | 319537.6 | 133649.0 | 183122.1 | S |
| 141.792 | 0.0000 | 0.0000 | 82.450 | 0.02397 | 0.00000 | 319537.6 | 133649.7 | 183122.1 | S |
| 141.800 | 0.0000 | 0.0000 | 82.450 | 0.02396 | 0.00000 | 319537.6 | 133650.5 | 183122.1 | S |
| 141.808 | 0.0000 | 0.0000 | 82.450 | 0.02396 | 0.00000 | 319537.6 | 133651.2 | 183122.1 | S |
| 141.817 | 0.0000 | 0.0000 | 82.450 | 0.02396 | 0.00000 | 319537.6 | 133651.9 | 183122.1 | S |
| 141.825 | 0.0000 | 0.0000 | 82.450 | 0.02396 | 0.00000 | 319537.6 | 133652.6 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate (ft ${ }^{1 / 5}$ ) | Overlow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ff}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 141.833 | 0.0000 | 0.0000 | 82.450 | 0.02395 | 0.00000 | 319537.6 | 133653.3 | 183122.1 | S |
| 141.842 | 0.0000 | 0.0000 | 82.449 | 0.02395 | 0.00000 | 319537.6 | 133654.0 | 183122.1 | S |
| 141.850 | 0.0000 | 0.0000 | 82.449 | 0.02395 | 0.00000 | 319537.6 | 133654.8 | 183122.1 | S |
| 141.858 | 0.0000 | 0.0000 | 82.449 | 0.02395 | 0.00000 | 319537.6 | 133655.5 | 183122.1 | S |
| 141.867 | 0.0000 | 0.0000 | 82.449 | 0.02394 | 0.00000 | 319537.6 | 133656.2 | 183122.1 | S |
| 141.875 | 0.0000 | 0.0000 | 82.449 | 0.02394 | 0.00000 | 319537.6 | 133656.9 | 183122.1 | S |
| 141.883 | 0.0000 | 0.0000 | 82.449 | 0.02394 | 0.00000 | 319537.6 | 133657.6 | 183122.1 | S |
| 141.892 | 0.0000 | 0.0000 | 82.449 | 0.02394 | 0.00000 | 319537.6 | 133658.3 | 183122.1 | S |
| 141.900 | 0.0000 | 0.0000 | 82.449 | 0.02393 | 0.00000 | 319537.6 | 133659.1 | 183122.1 | S |
| 141.908 | 0.0000 | 0.0000 | 82.449 | 0.02393 | 0.00000 | 319537.6 | 133659.8 | 183122.1 | S |
| 141.917 | 0.0000 | 0.0000 | 82.448 | 0.02393 | 0.00000 | 319537.6 | 133660.5 | 183122.1 | S |
| 141.925 | 0.0000 | 0.0000 | 82.448 | 0.02392 | 0.00000 | 319537.6 | 133661.2 | 183122.1 | S |
| 141.933 | 0.0000 | 0.0000 | 82.448 | 0.02392 | 0.00000 | 319537.6 | 133661.9 | 183122.1 | S |
| 141.942 | 0.0000 | 0.0000 | 82.448 | 0.02392 | 0.00000 | 319537.6 | 133662.7 | 183122.1 | S |
| 141.950 | 0.0000 | 0.0000 | 82.448 | 0.02392 | 0.00000 | 319537.6 | 133663.4 | 183122.1 | S |
| 141.958 | 0.0000 | 0.0000 | 82.448 | 0.02391 | 0.00000 | 319537.6 | 133664.1 | 183122.1 | S |
| 141.967 | 0.0000 | 0.0000 | 82.448 | 0.02391 | 0.00000 | 319537.6 | 133664.8 | 183122.1 | S |
| 141.975 | 0.0000 | 0.0000 | 82.448 | 0.02391 | 0.00000 | 319537.6 | 133665.5 | 183122.1 | S |
| 141.983 | 0.0000 | 0.0000 | 82.448 | 0.02391 | 0.00000 | 319537.6 | 133666.3 | 183122.1 | S |
| 141.992 | 0.0000 | 0.0000 | 82.447 | 0.02390 | 0.00000 | 319537.6 | 133667.0 | 183122.1 | S |
| 142.000 | 0.0000 | 0.0000 | 82.447 | 0.02390 | 0.00000 | 319537.6 | 133667.7 | 183122.1 | S |
| 142.008 | 0.0000 | 0.0000 | 82.447 | 0.02390 | 0.00000 | 319537.6 | 133668.4 | 183122.1 | S |
| 142.017 | 0.0000 | 0.0000 | 82.447 | 0.02390 | 0.00000 | 319537.6 | 133669.1 | 183122.1 | S |
| 142.025 | 0.0000 | 0.0000 | 82.447 | 0.02389 | 0.00000 | 319537.6 | 133669.8 | 183122.1 | S |
| 142.033 | 0.0000 | 0.0000 | 82.447 | 0.02389 | 0.00000 | 319537.6 | 133670.5 | 183122.1 | S |
| 142.042 | 0.0000 | 0.0000 | 82.447 | 0.02389 | 0.00000 | 319537.6 | 133671.3 | 183122.1 | S |
| 142.050 | 0.0000 | 0.0000 | 82.447 | 0.02389 | 0.00000 | 319537.6 | 133672.0 | 183122.1 | S |
| 142.058 | 0.0000 | 0.0000 | 82.447 | 0.02388 | 0.00000 | 319537.6 | 133672.7 | 183122.1 | S |
| 142.067 | 0.0000 | 0.0000 | 82.446 | 0.02388 | 0.00000 | 319537.6 | 133673.4 | 183122.1 | S |
| 142.075 | 0.0000 | 0.0000 | 82.446 | 0.02388 | 0.00000 | 319537.6 | 133674.1 | 183122.1 | S |
| 142.083 | 0.0000 | 0.0000 | 82.446 | 0.02388 | 0.00000 | 319537.6 | 133674.8 | 183122.1 | S |
| 142.092 | 0.0000 | 0.0000 | 82.446 | 0.02387 | 0.00000 | 319537.6 | 133675.6 | 183122.1 | S |
| 142.100 | 0.0000 | 0.0000 | 82.446 | 0.02387 | 0.00000 | 319537.6 | 133676.3 | 183122.1 | S |
| 142.108 | 0.0000 | 0.0000 | 82.446 | 0.02387 | 0.00000 | 319537.6 | 133677.0 | 183122.1 | S |
| 142.117 | 0.0000 | 0.0000 | 82.446 | 0.02386 | 0.00000 | 319537.6 | 133677.7 | 183122.1 | S |
| 142.125 | 0.0000 | 0.0000 | 82.446 | 0.02386 | 0.00000 | 319537.6 | 133678.4 | 183122.1 | S |
| 142.133 | 0.0000 | 0.0000 | 82.446 | 0.02386 | 0.00000 | 319537.6 | 133679.1 | 183122.1 | S |
| 142.142 | 0.0000 | 0.0000 | 82.445 | 0.02386 | 0.00000 | 319537.6 | 133679.9 | 183122.1 | S |
| 142.150 | 0.0000 | 0.0000 | 82.445 | 0.02385 | 0.00000 | 319537.6 | 133680.6 | 183122.1 | S |
| 142.158 | 0.0000 | 0.0000 | 82.445 | 0.02385 | 0.00000 | 319537.6 | 133681.3 | 183122.1 | S |
| 142.167 | 0.0000 | 0.0000 | 82.445 | 0.02385 | 0.00000 | 319537.6 | 133682.0 | 183122.1 | S |
| 142.175 | 0.0000 | 0.0000 | 82.445 | 0.02385 | 0.00000 | 319537.6 | 133682.7 | 183122.1 | S |
| 142.183 | 0.0000 | 0.0000 | 82.445 | 0.02384 | 0.00000 | 319537.6 | 133683.4 | 183122.1 | S |
| 142.192 | 0.0000 | 0.0000 | 82.445 | 0.02384 | 0.00000 | 319537.6 | 133684.2 | 183122.1 | S |
| 142.200 | 0.0000 | 0.0000 | 82.445 | 0.02384 | 0.00000 | 319537.6 | 133684.9 | 183122.1 | S |
| 142.208 | 0.0000 | 0.0000 | 82.445 | 0.02384 | 0.00000 | 319537.6 | 133685.6 | 183122.1 | S |
| 142.217 | 0.0000 | 0.0000 | 82.444 | 0.02383 | 0.00000 | 319537.6 | 133686.3 | 183122.1 | S |
| 142.225 | 0.0000 | 0.0000 | 82.444 | 0.02383 | 0.00000 | 319537.6 | 133687.0 | 183122.1 | S |
| 142.233 | 0.0000 | 0.0000 | 82.444 | 0.02383 | 0.00000 | 319537.6 | 133687.7 | 183122.1 | S |
| 142.242 | 0.0000 | 0.0000 | 82.444 | 0.02383 | 0.00000 | 319537.6 | 133688.4 | 183122.1 | S |
| 142.250 | 0.0000 | 0.0000 | 82.444 | 0.02382 | 0.00000 | 319537.6 | 133689.2 | 183122.1 | S |
| 142.258 | 0.0000 | 0.0000 | 82.444 | 0.02382 | 0.00000 | 319537.6 | 133689.9 | 183122.1 | S |
| 142.267 | 0.0000 | 0.0000 | 82.444 | 0.02382 | 0.00000 | 319537.6 | 133690.6 | 183122.1 | S |
| 142.275 | 0.0000 | 0.0000 | 82.444 | 0.02382 | 0.00000 | 319537.6 | 133691.3 | 183122.1 | S |
| 142.283 | 0.0000 | 0.0000 | 82.444 | 0.02381 | 0.00000 | 319537.6 | 133692.0 | 183122.1 | S |
| 142.292 | 0.0000 | 0.0000 | 82.444 | 0.02381 | 0.00000 | 319537.6 | 133692.7 | 183122.1 | S |
| 142.300 | 0.0000 | 0.0000 | 82.443 | 0.02381 | 0.00000 | 319537.6 | 133693.4 | 183122.1 | S |
| 142.308 | 0.0000 | 0.0000 | 82.443 | 0.02381 | 0.00000 | 319537.6 | 133694.2 | 183122.1 | S |
| 142.317 | 0.0000 | 0.0000 | 82.443 | 0.02380 | 0.00000 | 319537.6 | 133694.9 | 183122.1 | S |
| 142.325 | 0.0000 | 0.0000 | 82.443 | 0.02380 | 0.00000 | 319537.6 | 133695.6 | 183122.1 | S |
| 142.333 | 0.0000 | 0.0000 | 82.443 | 0.02380 | 0.00000 | 319537.6 | 133696.3 | 183122.1 | S |
| 142.342 | 0.0000 | 0.0000 | 82.443 | 0.02379 | 0.00000 | 319537.6 | 133697.0 | 183122.1 | S |
| 142.350 | 0.0000 | 0.0000 | 82.443 | 0.02379 | 0.00000 | 319537.6 | 133697.7 | 183122.1 | S |
| 142.358 | 0.0000 | 0.0000 | 82.443 | 0.02379 | 0.00000 | 319537.6 | 133698.4 | 183122.1 | S |
| 142.367 | 0.0000 | 0.0000 | 82.443 | 0.02379 | 0.00000 | 319537.6 | 133699.2 | 183122.1 | S |
| 142.375 | 0.0000 | 0.0000 | 82.442 | 0.02378 | 0.00000 | 319537.6 | 133699.9 | 183122.1 | S |
| 142.383 | 0.0000 | 0.0000 | 82.442 | 0.02378 | 0.00000 | 319537.6 | 133700.6 | 183122.1 | S |
| 142.392 | 0.0000 | 0.0000 | 82.442 | 0.02378 | 0.00000 | 319537.6 | 133701.3 | 183122.1 | S |
| 142.400 | 0.0000 | 0.0000 | 82.442 | 0.02378 | 0.00000 | 319537.6 | 133702.0 | 183122.1 | S |
| 142.408 | 0.0000 | 0.0000 | 82.442 | 0.02377 | 0.00000 | 319537.6 | 133702.7 | 183122.1 | S |
| 142.417 | 0.0000 | 0.0000 | 82.442 | 0.02377 | 0.00000 | 319537.6 | 133703.4 | 183122.1 | S |
| 142.425 | 0.0000 | 0.0000 | 82.442 | 0.02377 | 0.00000 | 319537.6 | 133704.1 | 183122.1 | S |
| 142.433 | 0.0000 | 0.0000 | 82.442 | 0.02377 | 0.00000 | 319537.6 | 133704.9 | 183122.1 | S |
| 142.442 | 0.0000 | 0.0000 | 82.442 | 0.02376 | 0.00000 | 319537.6 | 133705.6 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infilliration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative <br> Discharge Voiume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 142.450 | 0.0000 | 0.0000 | 82.441 | 0.02376 | 0.00000 | 319537.6 | 133706.3 | 183122.1 | S |
| 142.458 | 0.0000 | 0.0000 | 82.441 | 0.02376 | 0.00000 | 319537.6 | 133707.0 | 183122.1 | S |
| 142.467 | 0.0000 | 0.0000 | 82.441 | 0.02376 | 0.00000 | 319537.6 | 133707.7 | 183122.1 | S |
| 142.475 | 0.0000 | 0.0000 | 82.441 | 0.02375 | 0.00000 | 319537.6 | 133708.4 | 183122.1 | S |
| 142.483 | 0.0000 | 0.0000 | 82.441 | 0.02375 | 0.00000 | 319537.6 | 133709.1 | 183122.1 | S |
| 142.492 | 0.0000 | 0.0000 | 82.441 | 0.02375 | 0.00000 | 319537.6 | 133709.8 | 183122.1 | S |
| 142.500 | 0.0000 | 0.0000 | 82.441 | 0.02375 | 0.00000 | 319537.6 | 133710.6 | 183122.1 | S |
| 142.508 | 0.0000 | 0.0000 | 82.441 | 0.02374 | 0.00000 | 319537.6 | 133711.3 | 183122.1 | S |
| 142.517 | 0.0000 | 0.0000 | 82.441 | 0.02374 | 0.00000 | 319537.6 | 133712.0 | 183122.1 | S |
| 142.525 | 0.0000 | 0.0000 | 82.440 | 0.02374 | 0.00000 | 319537.6 | 133712.7 | 183122.1 | S |
| 142.533 | 0.0000 | 0.0000 | 82.440 | 0.02374 | 0.00000 | 319537.6 | 133713.4 | 183122.1 | S |
| 142.542 | 0.0000 | 0.0000 | 82.440 | 0.02373 | 0.00000 | 319537.6 | 133714.1 | 183122.1 | S |
| 142.550 | 0.0000 | 0.0000 | 82.440 | 0.02373 | 0.00000 | 319537.6 | 133714.8 | 183122.1 | S |
| 142.558 | 0.0000 | 0.0000 | 82.440 | 0.02373 | 0.00000 | 319537.6 | 133715.5 | 183122.1 | S |
| 142.567 | 0.0000 | 0.0000 | 82.440 | 0.02372 | 0.00000 | 319537.6 | 133716.3 | 183122.1 | S |
| 142.575 | 0.0000 | 0.0000 | 82.440 | 0.02372 | 0.00000 | 319537.6 | 133717.0 | 183122.1 | S |
| 142.583 | 0.0000 | 0.0000 | 82.440 | 0.02372 | 0.00000 | 319537.6 | 133717.7 | 183122.1 | S |
| 142.592 | 0.0000 | 0.0000 | 82.440 | 0.02372 | 0.00000 | 319537.6 | 133718.4 | 183122.1 | S |
| 142.600 | 0.0000 | 0.0000 | 82.439 | 0.02371 | 0.00000 | 319537.6 | 133719.1 | 183122.1 | S |
| 142.608 | 0.0000 | 0.0000 | 82.439 | 0.02371 | 0.00000 | 319537.6 | 133719.8 | 183122.1 | S |
| 142.617 | 0.0000 | 0.0000 | 82.439 | 0.02371 | 0.00000 | 319537.6 | 133720.5 | 183122.1 | S |
| 142.625 | 0.0000 | 0.0000 | 82.439 | 0.02371 | 0.00000 | 319537.6 | 133721.2 | $\uparrow 83122.1$ | S |
| 142.633 | 0.0000 | 0.0000 | 82.439 | 0.02370 | 0.00000 | 319537.6 | 133722.0 | 183122.1 | S |
| 142.642 | 0.0000 | 0.0000 | 82.439 | 0.02370 | 0.00000 | 319537.6 | 133722.7 | 183122.1 | S |
| 142.650 | 0.0000 | 0.0000 | 82.439 | 0.02370 | 0.00000 | 319537.6 | 133723.4 | 183122.1 | S |
| 142.658 | 0.0000 | 0.0000 | 82.439 | 0.02370 | 0.00000 | 319537.6 | 133724.1 | 183122.1 | S |
| 142.667 | 0.0000 | 0.0000 | 82.439 | 0.02369 | 0.00000 | 319537.6 | 133724.8 | 183122.1 | S |
| 142.675 | 0.0000 | 0.0000 | 82.438 | 0.02369 | 0.00000 | 319537.6 | 133725.5 | 183122.1 | S |
| 142.683 | 0.0000 | 0.0000 | 82.438 | 0.02369 | 0.00000 | 319537.6 | 133726.2 | 183122.1 | S |
| 142.692 | 0.0000 | 0.0000 | 82.438 | 0.02369 | 0.00000 | 319537.6 | 133726.9 | 183122.1 | S |
| 142.700 | 0.0000 | 0.0000 | 82.438 | 0.02368 | 0.00000 | 319537.6 | 133727.6 | 183122.1 | S |
| 142.708 | 0.0000 | 0.0000 | 82.438 | 0.02368 | 0.00000 | 319537.6 | 133728.3 | 183122.1 | S |
| 142.717 | 0.0000 | 0.0000 | 82.438 | 0.02368 | 0.00000 | 319537.6 | 133729.1 | 183122.1 | S |
| 142.725 | 0.0000 | 0.0000 | 82.438 | 0.02368 | 0.00000 | 319537.6 | 133729.8 | 183122.1 | S |
| 142.733 | 0.0000 | 0.0000 | 82.438 | 0.02367 | 0.00000 | 319537.6 | 133730.5 | 183122.1 | S |
| 142.742 | 0.0000 | 0.0000 | 82.438 | 0.02367 | 0.00000 | 319537.6 | 133731.2 | 183122.1 | S |
| 142.750 | 0.0000 | 0.0000 | 82.437 | 0.02367 | 0.00000 | 319537.6 | 133731.9 | 183122.1 | S |
| 142.758 | 0.0000 | 0.0000 | 82.437 | 0.02367 | 0.00000 | 319537.6 | 133732.6 | 183122.1 | S |
| 142.767 | 0.0000 | 0.0000 | 82.437 | 0.02366 | 0.00000 | 319537.6 | 133733.3 | 183122.1 | S |
| 142.775 | 0.0000 | 0.0000 | 82.437 | 0.02366 | 0.00000 | 319537.6 | 133734.0 | 183122.1 | S |
| 142.783 | 0.0000 | 0.0000 | 82.437 | 0.02366 | 0.00000 | 319537.6 | 133734.7 | 183122.1 | S |
| 142.792 | 0.0000 | 0.0000 | 82.437 | 0.02366 | 0.00000 | 319537.6 | 133735.5 | 183122.1 | S |
| 142.800 | 0.0000 | 0.0000 | 82.437 | 0.02365 | 0.00000 | 319537.6 | 133736.2 | 183122.1 | S |
| 142.808 | 0.0000 | 0.0000 | 82.437 | 0.02365 | 0.00000 | 319537.6 | 133736.9 | 183122.1 | S |
| 142.817 | 0.0000 | 0.0000 | 82.437 | 0.02365 | 0.00000 | 319537.6 | 133737.6 | 183122.1 | S |
| 142.825 | 0.0000 | 0.0000 | 82.436 | 0.02365 | 0.00000 | 319537.6 | 133738.3 | 183122.1 | S |
| 142.833 | 0.0000 | 0.0000 | 82.436 | 0.02364 | 0.00000 | 319537.6 | 133739.0 | 183122.1 | S |
| 142.842 | 0.0000 | 0.0000 | 82.436 | 0.02364 | 0.00000 | 319537.6 | 133739.7 | 183122.1 | S |
| 142.850 | 0.0000 | 0.0000 | 82.436 | 0.02364 | 0.00000 | 319537.6 | 133740.4 | 183122.1 | S |
| 142.858 | 0.0000 | 0.0000 | 82.436 | 0.02363 | 0.00000 | 319537.6 | 133741.1 | 183122.1 | S |
| 142.867 | 0.0000 | 0.0000 | 82.436 | 0.02363 | 0.00000 | 319537.6 | 133741.8 | 183122.1 | S |
| 142.875 | 0.0000 | 0.0000 | 82.436 | 0.02363 | 0.00000 | 319537.6 | 133742.5 | 183122.1 | S |
| 142.883 | 0.0000 | 0.0000 | 82.436 | 0.02363 | 0.00000 | 319537.6 | 133743.3 | 183122.1 | S |
| 142.892 | 0.0000 | 0.0000 | 82.436 | 0.02362 | 0.00000 | 319537.6 | 133744.0 | 183122.1 | S |
| 142.900 | 0.0000 | 0.0000 | 82.436 | 0.02362 | 0.00000 | 319537.6 | 133744.7 | 183122.1 | S |
| 142.908 | 0.0000 | 0.0000 | 82.435 | 0.02362 | 0.00000 | 319537.6 | 133745.4 | 183122.1 | S |
| 142.917 | 0.0000 | 0.0000 | 82.435 | 0.02362 | 0.00000 | 319537.6 | 133746.1 | 183122.1 | S |
| 142.925 | 0.0000 | 0.0000 | 82.435 | 0.02361 | 0.00000 | 319537.6 | 133746.8 | 183122.1 | S |
| 142.933 | 0.0000 | 0.0000 | 82.435 | 0.02361 | 0.00000 | 319537.6 | 133747.5 | 183122.1 | S |
| 142.942 | 0.0000 | 0.0000 | 82.435 | 0.02361 | 0.00000 | 319537.6 | $\dagger 33748.2$ | 183122.1 | S |
| 142.950 | 0.0000 | 0.0000 | 82.435 | 0.02361 | 0.00000 | 319537.6 | 133748.9 | 183122.1 | S |
| 142.958 | 0.0000 | 0.0000 | 82.435 | 0.02360 | 0.00000 | 319537.6 | 133749.6 | 183122.1 | S |
| 142.967 | 0.0000 | 0.0000 | 82.435 | 0.02360 | 0.00000 | 319537.6 | 133750.3 | 183122.1 | S |
| 142,975 | 0.0000 | 0.0000 | 82.435 | 0.02360 | 0.00000 | 319537.6 | 133751.0 | 183122.1 | S |
| 142.983 | 0.0000 | 0.0000 | 82.434 | 0.02360 | 0.00000 | 319537.6 | 133751.8 | 183122.1 | S |
| 142.992 | 0.0000 | 0.0000 | 82.434 | 0.02359 | 0.00000 | 319537.6 | 133752.5 | 183122.1 | S |
| 143.000 | 0.0000 | 0.0000 | 82.434 | 0.02359 | 0.00000 | 319537.6 | 133753.2 | 183122.1 | S |
| 143.008 | 0.0000 | 0.0000 | 82.434 | 0.02359 | 0.00000 | 319537.6 | 133753.9 | 183122.1 | S |
| 143.017 | 0.0000 | 0.0000 | 82.434 | 0.02359 | 0.00000 | 319537.6 | 133754.6 | 183122.1 | S |
| 143.025 | 0.0000 | 0.0000 | 82.434 | 0.02358 | 0.00000 | 319537.6 | 133755.3 | 183122.1 | S |
| 143.033 | 0.0000 | 0.0000 | 82.434 | 0.02358 | 0.00000 | 319537.6 | 133756.0 | 183122.1 | S |
| 143.042 | 0.0000 | 0.0000 | 82.434 | 0.02358 | 0.00000 | 319537.6 | 133756.7 | 183122.1 | S |
| 143.050 | 0.0000 | 0.0000 | 82.434 | 0.02358 | 0.00000 | 319537.6 | 133757.4 | 183122.1 | S |
| 143.058 | 0.0000 | 0.0000 | 82.433 | 0.02357 | 0.00000 | 319537.6 | 133758.1 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | Inflow Rate (ft3/s) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 /} / \mathrm{s}$ ) | $\begin{aligned} & \text { Cumulative } \\ & \text { Inflow } \\ & \text { Volume }\left(f^{3}\right) \end{aligned}$ | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 143.067 | 0.0000 | 0.0000 | 82.433 | 0.02357 | 0.00000 | 319537.6 | 133758.8 | 183122.1 | S |
| 143.075 | 0.0000 | 0.0000 | 82.433 | 0.02357 | 0.00000 | 319537.6 | 133759.5 | 183122.1 | S |
| 143.083 | 0.0000 | 0.0000 | 82.433 | 0.02357 | 0.00000 | 319537.6 | 133760.2 | 183122.1 | S |
| 143.092 | 0.0000 | 0.0000 | 82.433 | 0.02356 | 0.00000 | 319537.6 | 133760.9 | 183122.1 | S |
| 143.100 | 0.0000 | 0.0000 | 82.433 | 0.02356 | 0.00000 | 319537.6 | 133761.7 | 183122.1 | S |
| 143.108 | 0.0000 | 0.0000 | 82.433 | 0.02356 | 0.00000 | 319537.6 | 133762.4 | 183122.1 | S |
| 143.117 | 0.0000 | 0.0000 | 82.433 | 0.02356 | 0.00000 | 319537.6 | 133763.1 | 183122.1 | S |
| 143.125 | 0.0000 | 0.0000 | 82.433 | 0.02355 | 0.00000 | 319537.6 | 133763.8 | 183122.1 | S |
| 143.133 | 0.0000 | 0.0000 | 82.432 | 0.02355 | 0.00000 | 319537.6 | 133764.5 | 183122.1 | S |
| 143.142 | 0.0000 | 0.0000 | 82.432 | 0.02355 | 0.00000 | 319537.6 | 133765.2 | 183122.1 | S |
| 143.150 | 0.0000 | 0.0000 | 82.432 | 0.02355 | 0.00000 | 319537.6 | 133765.9 | 183122.1 | S |
| 143.158 | 0.0000 | 0.0000 | 82.432 | 0.02354 | 0.00000 | 319537.6 | 133766.6 | 183122.1 | S |
| 143.167 | 0.0000 | 0.0000 | 82.432 | 0.02354 | 0.00000 | 319537.6 | 133767.3 | 183122.1 | S |
| 143.175 | 0.0000 | 0.0000 | 82.432 | 0.02354 | 0.00000 | 319537.6 | 133768.0 | 183122.1 | S |
| 143.183 | 0.0000 | 0.0000 | 82.432 | 0.02353 | 0.00000 | 319537.6 | 133768.7 | 183122.1 | S |
| 143.192 | 0.0000 | 0.0000 | 82.432 | 0.02353 | 0.00000 | 319537.6 | 133769.4 | 183122.1 | S |
| 143.200 | 0.0000 | 0.0000 | 82.432 | 0.02353 | 0.00000 | 319537.6 | 133770.1 | 183122.1 | S |
| 143.208 | 0.0000 | 0.0000 | 82.431 | 0.02353 | 0.00000 | 319537.6 | 133770.8 | 183122.1 | S |
| 143.217 | 0.0000 | 0.0000 | 82.431 | 0.02352 | 0.00000 | 319537.6 | 133771.5 | 183122.1 | S |
| 143.225 | 0.0000 | 0.0000 | 82.431 | 0.02352 | 0.00000 | 319537.6 | 133772.3 | 183122.1 | S |
| 143.233 | 0.0000 | 0.0000 | 82.431 | 0.02352 | 0.00000 | 319537.6 | 133773.0 | 183122.1 | S |
| 143.242 | 0.0000 | 0.0000 | 82.431 | 0.02352 | 0.00000 | 319537.6 | 133773.7 | 183122.1 | S |
| 143.250 | 0.0000 | 0.0000 | 82.431 | 0.02351 | 0.00000 | 319537.6 | 133774.4 | $183\} 22.1$ | S |
| 143.258 | 0.0000 | 0.0000 | 82.431 | 0.02351 | 0.00000 | 319537.6 | 133775.1 | 183122.1 | S |
| 143.267 | 0.0000 | 0.0000 | 82.431 | 0.02351 | 0.00000 | 319537.6 | 133775.8 | 183122.1 | S |
| 143.275 | 0.0000 | 0.0000 | 82.431 | 0.02351 | 0.00000 | 319537.0 | 133776.5 | 183122.1 | S |
| 143.283 | 0.0000 | 0.0000 | 82.431 | 0.02350 | 0.00000 | 319537.6 | 133777.2 | 183122.1 | S |
| 143.292 | 0.0000 | 0.0000 | 82.430 | 0.02350 | 0.00000 | 319537.6 | 133777.9 | 183122.1 | S |
| 143.300 | 0.0000 | 0.0000 | 82.430 | 0.02350 | 0.00000 | 319537.6 | 133778.6 | 183122.1 | S |
| 143.308 | 0.0000 | 0.0000 | 82.430 | 0.02350 | 0.00000 | 319537.6 | 133779.3 | 183122.1 | S |
| 143.317 | 0.0000 | 0.0000 | 82.430 | 0.02349 | 0.00000 | 319537.6 | 133780.0 | 183122.1 | S |
| 143.325 | 0.0000 | 0.0000 | 82.430 | 0.02349 | 0.00000 | 319537.6 | 133780.7 | 183122.1 | S |
| 143.333 | 0.0000 | 0.0000 | 82.430 | 0.02349 | 0.00000 | 319537.6 | 133781.4 | 183122.1 | S |
| 143.342 | 0.0000 | 0.0000 | 82.430 | 0.02349 | 0.00000 | 319537.6 | 133782.1 | 183122.1 | S |
| 143.350 | 0.0000 | 0.0000 | 82.430 | 0.02348 | 0.00000 | 319537.6 | 133782.8 | 183122.1 | S |
| 143.358 | 0.0000 | 0.0000 | 82.430 | 0.02348 | 0.00000 | 319537.6 | 133783.5 | 183122.1 | S |
| 143.367 | 0.0000 | 0.0000 | 82.429 | 0.02348 | 0.00000 | 319537.6 | 133784.2 | 183122.1 | S |
| 143.375 | 0.0000 | 0.0000 | 82.429 | 0.02348 | 0.00000 | 319537.6 | 133784.9 | 183122.1 | S |
| 143.383 | 0.0000 | 0.0000 | 82.429 | 0.02347 | 0.00000 | 319537.6 | 133785.6 | 183122.1 | S |
| 143.392 | 0.0000 | 0.0000 | 82.429 | 0.02347 | 0.00000 | 319537.6 | 133786.3 | 183122.1 | S |
| 143.400 | 0.0000 | 0.0000 | 82.429 | 0.02347 | 0.00000 | 319537.6 | 133787.0 | 183122.1 | S |
| 143.408 | 0.0000 | 0.0000 | 82.429 | 0.02347 | 0.00000 | 319537.6 | 133787.8 | 183122.1 | S |
| 143.417 | 0.0000 | 0.0000 | 82.429 | 0.02346 | 0.00000 | 319537.6 | 133788.5 | 183122.1 | S |
| 143.425 | 0.0000 | 0.0000 | 82.429 | 0.02346 | 0.00000 | 319537.6 | 133789.2 | 183122.1 | S |
| 143.433 | 0.0000 | 0.0000 | 82.429 | 0.02346 | 0.00000 | 319537.6 | 133789.9 | 183122.1 | S |
| 143.442 | 0.0000 | 0.0000 | 82.428 | 0.02346 | 0.00000 | 319537.6 | 133790.6 | 183122.1 | S |
| 143.450 | 0.0000 | 0.0000 | 82.428 | 0.02345 | 0.00000 | 319537.6 | 133791.3 | 183122.1 | S |
| 143.458 | 0.0000 | 0.0000 | 82.428 | 0.02345 | 0.00000 | 319537.6 | 133792.0 | 183122.1 | S |
| 143.467 | 0.0000 | 0.0000 | 82.428 | 0.02345 | 0.00000 | 319537.6 | 133792.7 | 183122.1 | S |
| 143.475 | 0.0000 | 0.0000 | 82.428 | 0.02345 | 0.00000 | 319537.6 | 133793.4 | 183122.1 | S |
| 143.483 | 0.0000 | 0.0000 | 82.428 | 0.02344 | 0.00000 | 319537.6 | 133794.1 | 183122.1 | S |
| 143.492 | 0.0000 | 0.0000 | 82.428 | 0.02344 | 0.00000 | 319537.6 | 133794.8 | 183122.1 | S |
| 143.500 | 0.0000 | 0.0000 | 82.428 | 0.02344 | 0.00000 | 319537.6 | 133795.5 | 183122.1 | S |
| 143.508 | 0.0000 | 0.0000 | 82.428 | 0.02344 | 0.00000 | 319537.6 | 133796.2 | 183122.1 | S |
| 143.517 | 0.0000 | 0.0000 | 82.427 | 0.02343 | 0.00000 | 319537.6 | 133796.9 | 183122.1 | S |
| 143.525 | 0.0000 | 0.0000 | 82.427 | 0.02343 | 0.00000 | 319537.6 | 133797.6 | 183122.1 | S |
| 143.533 | 0.0000 | 0.0000 | 82.427 | 0.02343 | 0.00000 | 319537.6 | 133798.3 | 183122.1 | S |
| 143.542 | 0.0000 | 0.0000 | 82.427 | 0.02343 | 0.00000 | 319537.6 | 133799.0 | 183122.1 | S |
| 143.550 | 0.0000 | 0.0000 | 82.427 | 0.02342 | 0.00000 | 319537.6 | 133799.7 | 183122.1 | S |
| 143.558 | 0.0000 | 0.0000 | 82.427 | 0.02342 | 0.00000 | 319537.6 | 133800.4 | 183122.1 | S |
| 143.567 | 0.0000 | 0.0000 | 82.427 | 0.02342 | 0.00000 | 319537.6 | 133801.1 | 183122.1 | S |
| 143.575 | 0.0000 | 0.0000 | 82.427 | 0.02342 | 0.00000 | 319537.6 | 133801.8 | 183122.1 | S |
| 143.583 | 0.0000 | 0.0000 | 82.427 | 0.02341 | 0.00000 | 319537.6 | 133802.5 | 183122.1 | S |
| 143.592 | 0.0000 | 0.0000 | 82.427 | 0.02341 | 0.00000 | 319537.6 | 133803.2 | 183122.1 | S |
| 143.600 | 0.0000 | 0.0000 | 82.426 | 0.02341 | 0.00000 | 319537.6 | 133803.9 | 183122.1 | S |
| 143.608 | 0.0000 | 0.0000 | 82.426 | 0.02341 | 0.00000 | 319537.6 | 133804.6 | 183122.1 | S |
| 143.617 | 0.0000 | 0.0000 | 82.426 | 0.02340 | 0.00000 | 319537.6 | 133805.3 | 183122.1 | S |
| 143.625 | 0.0000 | 0.0000 | 82.426 | 0.02340 | 0.00000 | 319537.6 | 133806.0 | 183122.1 | S |
| 143.633 | 0.0000 | 0.0000 | 82.426 | 0.02340 | 0.00000 | 319537.6 | 133806.7 | 183122.1 | S |
| 143.642 | 0.0000 | 0.0000 | 82.426 | 0.02340 | 0.00000 | 319537.6 | 133807.4 | 183122.1 | S |
| 143.650 | 0.0000 | 0.0000 | 82.426 | 0.02339 | 0.00000 | 319537.6 | 133808.1 | 183122.1 | S |
| 143.658 | 0.0000 | 0.0000 | 82.426 | 0.02339 | 0.00000 | 319537.6 | 133808.8 | 183122.1 | S |
| 143.667 | 0.0000 | 0.0000 | 82.426 | 0.02339 | 0.00000 | 319537.6 | 133809.5 | 183122.1 | S |
| 143.675 | 0.0000 | 0.0000 | 82.425 | 0.02339 | 0.00000 | 319537.6 | \$33810.2 | 183122.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{3} / \mathrm{s}$ ) | Outside Recharge (fi/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | $\begin{gathered} \text { Overflow } \\ \text { Discharge } \\ \left(\mathrm{ft}^{3} / \mathrm{s}\right) \end{gathered}$ | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative infilitration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 143.683 | 0.0000 | 0.0000 | 82.425 | 0.02338 | 0.00000 | 319537.6 | 133810.9 | 183122.1 | S |
| 143.692 | 0.0000 | 0.0000 | 82.425 | 0.02338 | 0.00000 | 319537.6 | 133811.6 | 183122.1 | S |
| 143.700 | 0.0000 | 0.0000 | 82.425 | 0.02338 | 0.00000 | 319537.6 | 133812.3 | 183122.1 | S |
| 143.708 | 0.0000 | 0.0000 | 82.425 | 0.02338 | 0.00000 | 319537.6 | 133813.0 | 183122.1 | S |
| 143.717 | 0.0000 | 0.0000 | 82.425 | 0.02337 | 0.00000 | 319537.6 | 133813.8 | 183122.1 | S |
| 143.725 | 0.0000 | 0.0000 | 82.425 | 0.02337 | 0.00000 | 319537.6 | 133814.5 | 183122.1 | S |
| 143.733 | 0.0000 | 0.0000 | 82.425 | 0.02337 | 0.00000 | 319537.6 | 133815.2 | 183122.1 | S |
| 143.742 | 0.0000 | 0.0000 | 82.425 | 0.02336 | 0.00000 | 319537.6 | 133815.8 | 183122.1 | S |
| 143.750 | 0.0000 | 0.0000 | 82.424 | 0.02336 | 0.00000 | 319537.6 | 133816.5 | 183122.1 | S |
| 143.758 | 0.0000 | 0.0000 | 82.424 | 0.02336 | 0.00000 | 319537.6 | 133817.3 | 183122.1 | S |
| 143.767 | 0.0000 | 0.0000 | 82.424 | 0.02336 | 0.00000 | 319537.6 | 133818.0 | 183122.1 | S |
| 143.775 | 0.0000 | 0.0000 | 82.424 | 0.02335 | 0.00000 | 319537.6 | 133818.7 | 183122.1 | S |
| 143.783 | 0.0000 | 0.0000 | 82.424 | 0.02335 | 0.00000 | 319537.6 | 133819.4 | 183122.1 | S |
| 143.792 | 0.0000 | 0.0000 | 82.424 | 0.02335 | 0.00000 | 319537.6 | 133820.0 | 183122.1 | S |
| 143.800 | 0.0000 | 0.0000 | 82.424 | 0.02335 | 0.00000 | 319537.6 | 133820.8 | 183122.1 | S |
| 143.808 | 0.0000 | 0.0000 | 82.424 | 0.02334 | 0.00000 | 319537.6 | 133821.5 | 183122.1 | S |
| 143.817 | 0.0000 | 0.0000 | 82.424 | 0.02334 | 0.00000 | 319537.6 | 133822.2 | 183122.1 | S |
| 143.825 | 0.0000 | 0.0000 | 82.423 | 0.02334 | 0.00000 | 319537.6 | 133822.9 | 183122.1 | S |
| 143.833 | 0.0000 | 0.0000 | 82.423 | 0.02334 | 0.00000 | 319537.6 | 133823.6 | 183122.1 | S |
| 143.842 | 0.0000 | 0.0000 | 82.423 | 0.02333 | 0.00000 | 319537.6 | 133824.3 | 183122.1 | S |
| 143.850 | 0.0000 | 0.0000 | 82.423 | 0.02333 | 0.00000 | 319537.6 | 133825.0 | 183122.1 | S |
| 143.858 | 0.0000 | 0.0000 | 82.423 | 0.02333 | 0.00000 | 319537.6 | 133825.7 | 183122.1 | S |
| 143.867 | 0.0000 | 0.0000 | 82.423 | 0.02333 | 0.00000 | 319537.6 | 133826.4 | 183122.1 | S |
| 143.875 | 0.0000 | 0.0000 | 82.423 | 0.02332 | 0.00000 | 319537.6 | 133827.1 | 183122.1 | S |
| 143.883 | 0.0000 | 0.0000 | 82.423 | 0.02332 | 0.00000 | 319537.6 | 133827.8 | 183122.1 | S |
| 143.892 | 0.0000 | 0.0000 | 82.423 | 0.02332 | 0.00000 | 319537.6 | 133828.5 | 183122.1 | S |
| 143.900 | 0.0000 | 0.0000 | 82.423 | 0.02332 | 0.00000 | 319537.6 | 133829.2 | 183122.1 | S |
| 143.908 | 0.0000 | 0.0000 | 82.422 | 0.02331 | 0.00000 | 319537.6 | 133829.9 | 183122.1 | S |
| 143.917 | 0.0000 | 0.0000 | 82.422 | 0.02331 | 0.00000 | 319537.6 | 133830.5 | 183122.1 | S |
| 143.925 | 0.0000 | 0.0000 | 82.422 | 0.02331 | 0.00000 | 319537.6 | 133831.3 | 183122.1 | S |
| 143.933 | 0.0000 | 0.0000 | 82.422 | 0.02334 | 0.00000 | 319537.6 | 133832.0 | 183122.1 | S |
| 143.942 | 0.0000 | 0.0000 | 82.422 | 0.02330 | 0.00000 | 319537.6 | 133832.7 | 183122.1 | S |
| 143.950 | 0.0000 | 0.0000 | 82.422 | 0.02330 | 0.00000 | 319537.6 | 133833.3 | 183122.1 | S |
| 143.958 | 0.0000 | 0.0000 | 82.422 | 0.02330 | 0.00000 | 319537.6 | 133834.0 | 183122.1 | S |
| 143.967 | 0.0000 | 0.0000 | 82.422 | 0.02330 | 0.00000 | 319537.6 | 133834.8 | 183122.1 | S |
| 143.975 | 0.0000 | 0.0000 | 82.422 | 0.02329 | 0.00000 | 319537.6 | 133835.5 | 183122.1 | S |
| 143.983 | 0.0000 | 0.0000 | 82.421 | 0.02329 | 0.00000 | 319537.6 | 133836.1 | 183122.1 | S |
| 143.992 | 0.0000 | 0.0000 | 82.421 | 0.02329 | 0.00000 | 319537.6 | 133836.8 | 183122.1 | S |
| 144.000 | 0.0000 | 0.0000 | 82.421 | 0.02329 | 0.00000 | 319537.6 | 133837.5 | 183122.1 | S |
| 144.008 | 0.0000 | 0.0000 | 82.421 | 0.02328 | 0.00000 | 319537.6 | 133838.2 | 183122.4 | S |
| 144.017 | 0.0000 | 0.0000 | 82.421 | 0.02328 | 0.00000 | 319537.6 | 133838.9 | 183122.1 | S |
| 144.025 | 0.0000 | 0.0000 | 82.421 | 0.02328 | 0.00000 | 319537.6 | 133839.6 | 483122.1 | S |
| 144.033 | 0.0000 | 0.0000 | 82.421 | 0.02328 | 0.00000 | 319537.6 | 133840.3 | 183122.1 | S |
| 144.042 | 0.0000 | 0.0000 | 82.421 | 0.02327 | 0.00000 | 319537.6 | 133841.0 | 183122.1 | S |
| 144.050 | 0.0000 | 0.0000 | 82.421 | 0.02327 | 0.00000 | 319537.6 | 133841.7 | 183122.1 | S |
| 144.058 | 0.0000 | 0.0000 | 82.420 | 0.02327 | 0.00000 | 319537.6 | 133842.4 | 183122.1 | S |
| 144.067 | 0.0000 | 0.0000 | 82.420 | 0.02327 | 0.00000 | 319537.6 | 133843.1 | 183122.1 | S |
| 144.075 | 0.0000 | 0.0000 | 82.420 | 0.02326 | 0.00000 | 319537.6 | 133843.8 | 183122.1 | S |
| 144.083 | 0.0000 | 0.0000 | 82.420 | 0.02326 | 0.00000 | 319537.6 | 133844.5 | 183122.1 | S |
| 144.092 | 0.0000 | 0.0000 | 82.420 | 0.02326 | 0.00000 | 319537.6 | 133845.2 | 183122.1 | S |
| 144.100 | 0.0000 | 0.0000 | 82.420 | 0.02326 | 0.00000 | 319537.6 | 133845.9 | 183122.1 | S |
| 144.108 | 0.0000 | 0.0000 | 82.420 | 0.02325 | 0.00000 | 319537.6 | 133846.6 | 183122.1 | S |
| 144.117 | 0.0000 | 0.0000 | 82.420 | 0.02325 | 0.00000 | 319537.6 | 133847.3 | 183122.1 | S |
| 144.125 | 0.0000 | 0.0000 | 82.420 | 0.02325 | 0.00000 | 319537.6 | 133848.0 | 183122.1 | S |
| 144.133 | 0.0000 | 0.0000 | 82.419 | 0.02325 | 0.00000 | 319537.6 | 133848.7 | 183122.1 | S |
| 144.142 | 0.0000 | 0.0000 | 82.419 | 0.02324 | 0.00000 | 319537.6 | 133849.4 | 183122.1 | S |
| 144.150 | 0.0000 | 0.0000 | 82.419 | 0.02324 | 0.00000 | 319537.6 | 133850.1 | 183122.1 | S |
| 144.158 | 0.0000 | 0.0000 | 82.419 | 0.02324 | 0.00000 | 319537.6 | 133850.8 | 183122.1 | S |
| 144.167 | 0.0000 | 0.0000 | 82.419 | 0.02324 | 0.00000 | 319537.6 | 133851.5 | 183122.1 | S |
| 144.175 | 0.0000 | 0.0000 | 82.419 | 0.02323 | 0.00000 | 319537.6 | 133852.2 | 183122.1 | S |
| 144.183 | 0.0000 | 0.0000 | 82.419 | 0.02323 | 0.00000 | 319537.6 | 133852.9 | 183122.1 | S |
| 144.192 | 0.0000 | 0.0000 | 82.419 | 0.02323 | 0.00000 | 319537.6 | 133853.6 | 183122.1 | S |
| 144.200 | 0.0000 | 0.0000 | 82.419 | 0.02323 | 0.00000 | 319537.6 | 133854.3 | 183122.1 | S |
| 144.208 | 0.0000 | 0.0000 | 82.419 | 0.02322 | 0.00000 | 319537.6 | 133855.0 | 183122.1 | S |
| 144.217 | 0.0000 | 0.0000 | 82.418 | 0.02322 | 0.00000 | 319537.6 | 133855.7 | 183122.1 | S |
| 144.225 | 0.0000 | 0.0000 | 82.418 | 0.02322 | 0.00000 | 319537.6 | 133856.4 | 183122.1 | S |
| 144.233 | 0.0000 | 0.0000 | 82.418 | 0.02322 | 0.00000 | 319537.6 | 133857.1 | 183122.1 | S |
| 144.242 | 0.0000 | 0.0000 | 82.418 | 0.02321 | 0.00000 | 319537.6 | 133857.8 | 183122.1 | S |
| 144.250 | 0.0000 | 0.0000 | 82.418 | 0.02321 | 0.00000 | 319537.6 | 133858.5 | 183122.1 | S |
| 144.258 | 0.0000 | 0.0000 | 82.418 | 0.02321 | 0.00000 | 319537.6 | 133859.2 | 183122.1 | S |
| 144.267 | 0.0000 | 0.0000 | 82.418 | 0.02321 | 0.00000 | 319537.6 | 133859.9 | 183122.1 | S |
| 144.275 | 0.0000 | 0.0000 | 82.418 | 0.02320 | 0.00000 | 319537.6 | 133860.6 | 183122.1 | S |
| 144.283 | 0.0000 | 0.0000 | 82.418 | 0.02320 | 0.00000 | 319537.6 | 133861.3 | 183122.1 | S |
| 144.292 | 0.0000 | 0.0000 | 82.417 | 0.02320 | 0.00000 | 319537.6 | 133862.0 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate (fliss) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration <br> Rate <br> $\left(\mathrm{f}^{3} / \mathrm{s}\right)$ | Overflow Discharge (fis ${ }^{3}$ s) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{t}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 144.300 | 0.0000 | 0.0000 | 82.417 | 0.02320 | 0.00000 | 319537.6 | 133862.6 | 183122.1 | S |
| 144.308 | 0.0000 | 0.0000 | 82.417 | 0.02319 | 0.00000 | 319537.6 | 133863.3 | 183122.1 | S |
| 144.317 | 0.0000 | 0.0000 | 82.417 | 0.02319 | 0.00000 | 319537.6 | 133864.0 | 183122.1 | S |
| 144.325 | 0.0000 | 0.0000 | 82.417 | 0.02319 | 0.00000 | 319537.6 | 133864.7 | 183122.1 | S |
| 144.333 | 0.0000 | 0.0000 | 82.417 | 0.02319 | 0.00000 | 319537.6 | 133865.4 | 183122.1 | S |
| 144.342 | 0.0000 | 0.0000 | 82.417 | 0.02318 | 0.00000 | 319537.6 | 133866.1 | 183122.1 | S |
| 144.350 | 0.0000 | 0.0000 | 82.417 | 0.02318 | 0.00000 | 319537.6 | 133866.8 | 183122.1 | S |
| 144.358 | 0.0000 | 0.0000 | 82.417 | 0.02318 | 0.00000 | 319537.6 | 133867.5 | 183122.1 | S |
| 144.367 | 0.0000 | 0.0000 | 82.416 | 0.02318 | 0.00000 | 319537.6 | 133868.2 | 183122.1 | S |
| 144.375 | 0.0000 | 0.0000 | 82.416 | 0.02317 | 0.00000 | 319537.6 | 133868.9 | 183122.1 | S |
| 144.383 | 0.0000 | 0.0000 | 82.416 | 0.02317 | 0.00000 | 319537.6 | 133869.6 | 183122.1 | S |
| 144.392 | 0.0000 | 0.0000 | 82.416 | 0.02317 | 0.00000 | 319537.6 | 133870.3 | 183122.4 | S |
| 144.400 | 0.0000 | 0.0000 | 82.416 | 0.02317 | 0.00000 | 319537.6 | 133871.0 | 183122.1 | S |
| 144.408 | 0.0000 | 0.0000 | 82.416 | 0.02316 | 0.00000 | 319537.6 | 133871.7 | 183122.1 | S |
| 144.417 | 0.0000 | 0.0000 | 82.416 | 0.02316 | 0.00000 | 319537.6 | 133872.4 | 483122.1 | S |
| 144.425 | 0.0000 | 0.0000 | 82.416 | 0.02316 | 0.00000 | 319537.6 | 133873.1 | 183122.1 | S |
| 144.433 | 0.0000 | 0.0000 | 82.416 | 0.02316 | 0.00000 | 319537.6 | 133873.8 | 183122.1 | S |
| 144.442 | 0.0000 | 0.0000 | 82.416 | 0.02315 | 0.00000 | 319537.6 | 133874.5 | 183122.1 | S |
| 144.450 | 0.0000 | 0.0000 | 82.415 | 0.02315 | 0.00000 | 319537.6 | 133875.2 | 183122.1 | S |
| 144.458 | 0.0000 | 0.0000 | 82.415 | 0.02315 | 0.00000 | 319537.6 | 133875.9 | 183122.1 | S |
| 144.467 | 0.0000 | 0.0000 | 82.415 | 0.02315 | 0.00000 | 319537.6 | 133876.5 | 183122.1 | S |
| 144.475 | 0.0000 | 0.0000 | 82.415 | 0.02314 | 0.00000 | 319537.6 | 133877.2 | 183122.1 | S |
| 144.483 | 0.0000 | 0.0000 | 82.415 | 0.02314 | 0.00000 | 319537.6 | 133877.9 | 183122.1 | S |
| 144.492 | 0.0000 | 0.0000 | 82.415 | 0.02314 | 0.00000 | 319537.6 | 133878.6 | 183122.1 | S |
| 144.500 | 0.0000 | 0.0000 | 82.415 | 0.02314 | 0.00000 | 319537.6 | 133879.3 | 183122.1 | S |
| 144.508 | 0.0000 | 0.0000 | 82.415 | 0.02313 | 0.00000 | 319537.6 | 133880.0 | 183122.1 | S |
| 144.517 | 0.0000 | 0.0000 | 82.415 | 0.02313 | 0.00000 | 319537.6 | 133880.7 | 183122.1 | S |
| 144.525 | 0.0000 | 0.0000 | 82.414 | 0.02313 | 0.00000 | 319537.6 | 1338881.4 | 183122.1 | S |
| 144.533 | 0.0000 | 0.0000 | 82.414 | 0.02313 | 0.00000 | 319537.6 | 133882.1 | 183122.1 | S |
| 144.542 | 0.0000 | 0.0000 | 82.414 | 0.02312 | 0.00000 | 319537.6 | 1338882.8 | 183122.1 | S |
| 144.550 | 0.0000 | 0.0000 | 82.414 | 0.02312 | 0.00000 | 319537.6 | 133883.5 | 183122.1 | S |
| 144.558 | 0.0000 | 0.0000 | 82.414 | 0.02312 | 0.00000 | 319537.6 | 133884.2 | 183122.1 | S |
| 144.567 | 0.0000 | 0.0000 | 82.414 | 0.02312 | 0.00000 | 319537.6 | 133884.9 | 183122.1 | S |
| 144.575 | 0.0000 | 0.0000 | 82.414 | 0.02311 | 0.00000 | 319537.6 | 133885.6 | 183122.1 | S |
| 144.583 | 0.0000 | 0.0000 | 82.414 | 0.02311 | 0.00000 | 319537.6 | 133886.3 | 183122.1 | S |
| 144.592 | 0.0000 | 0.0000 | 82.414 | 0.02311 | 0.00000 | 319537.6 | 133887.0 | 183122.1 | S |
| 144.600 | 0.0000 | 0.0000 | 82.413 | 0.02311 | 0.00000 | 319537.6 | 133887.6 | 183122.1 | S |
| 144.608 | 0.0000 | 0.0000 | 82.413 | 0.02310 | 0.00000 | 319537.6 | 133888.3 | \$83122.1 | S |
| 144.617 | 0.0000 | 0.0000 | 82.413 | 0.02310 | 0.00000 | 319537.6 | 133889.0 | 183122.1 | S |
| 144.625 | 0.0000 | 0.0000 | 82.413 | 0.02310 | 0.00000 | 319537.6 | 133889.7 | 183122.1 | S |
| 144.633 | 0.0000 | 0.0000 | 82.413 | 0.02310 | 0.00000 | 319537.6 | 133890.4 | 183122.1 | S |
| 144.642 | 0.0000 | 0.0000 | 82.413 | 0.02309 | 0.00000 | 319537.6 | 133891.1 | 183122.1 | S |
| 144.650 | 0.0000 | 0.0000 | 82.413 | 0.02309 | 0.00000 | 319537.6 | 133891.8 | 183122.1 | S |
| 144.658 | 0.0000 | 0.0000 | 82.413 | 0.02309 | 0.00000 | 319537.6 | 133892.5 | 183122.1 | S |
| 144.667 | 0.0000 | 0.0000 | 82.413 | 0.02309 | 0.00000 | 319537.6 | 133893.2 | 183122.1 | S |
| 144.675 | 0.0000 | 0.0000 | 82.413 | 0.02308 | 0.00000 | 319537.6 | 133893.9 | 183122.1 | S |
| 144.683 | 0.0000 | 0.0000 | 82.412 | 0.02308 | 0.00000 | 319537.6 | 133894.6 | 183122.1 | S |
| 144.692 | 0.0000 | 0.0000 | 82.412 | 0.02308 | 0.00000 | 319537.6 | 133895.3 | 183122.1 | S |
| 144.700 | 0.0000 | 0.0000 | 82.412 | 0.02308 | 0.00000 | 319537.6 | 133896.0 | 183122.1 | S |
| 144.708 | 0.0000 | 0.0000 | 82.412 | 0.02307 | 0.00000 | 319537.6 | 133896.7 | 183122.1 | S |
| 144.717 | 0.0000 | 0.0000 | 82.412 | 0.02307 | 0.00000 | 319537.6 | 133897.3 | 183122.1 | S |
| 144.725 | 0.0000 | 0.0000 | 82.412 | 0.02307 | 0.00000 | 319537.6 | 133898.0 | 183122.1 | S |
| 144.733 | 0.0000 | 0.0000 | 82.412 | 0.02307 | 0.00000 | 319537.6 | 133898.7 | 183122.1 | S |
| 144.742 | 0.0000 | 0.0000 | 82.412 | 0.02307 | 0.00000 | 319537.6 | 133899.4 | 183122.1 | S |
| 144.750 | 0.0000 | 0.0000 | 82.412 | 0.02306 | 0.00000 | 319537.6 | 133900.1 | 183122.1 | S |
| 144.758 | 0.0000 | 0.0000 | 82.411 | 0.02306 | 0.00000 | 319537.6 | 133900.8 | 183122.1 | S |
| 144.767 | 0.0000 | 0.0000 | 82.411 | 0.02306 | 0.00000 | 319537.6 | 133901.5 | 183122.1 | S |
| 144.775 | 0.0000 | 0.0000 | 82.411 | 0.02306 | 0.00000 | 319537.6 | 133902.2 | 183122.1 | S |
| 144.783 | 0.0000 | 0.0000 | 82.411 | 0.02305 | 0.00000 | 319537.6 | 133902.9 | 183122.1 | S |
| 144.792 | 0.0000 | 0.0000 | 82.411 | 0.02305 | 0.00000 | 319537.6 | 133903.6 | 183122.1 | S |
| 144.800 | 0.0000 | 0.0000 | 82.411 | 0.02305 | 0.00000 | 319537.6 | 133904.3 | 183122.1 | S |
| 144.808 | 0.0000 | 0.0000 | 82.411 | 0.02305 | 0.00000 | 319537.6 | 133905.0 | 183122.1 | S |
| 144.817 | 0.0000 | 0.0000 | 82.411 | 0.02304 | 0.00000 | 319537.6 | 133905.6 | 183122.1 | S |
| 144.825 | 0.0000 | 0.0000 | 82.411 | 0.02304 | 0.00000 | 319537.6 | 133906.3 | 183122.1 | S |
| 144.833 | 0.0000 | 0.0000 | 82.410 | 0.02304 | 0.00000 | 319537.6 | 133907.0 | 183122.1 | S |
| 144.842 | 0.0000 | 0.0000 | 82.410 | 0.02304 | 0.00000 | 319537.6 | 133907.7 | 183122.1 | S |
| 144.850 | 0.0000 | 0.0000 | 82.410 | 0.02303 | 0.00000 | 319537.6 | 133908.4 | 183122.1 | S |
| 144.858 | 0.0000 | 0.0000 | 82.410 | 0.02303 | 0.00000 | 319537.6 | 133909.1 | 183122.1 | S |
| 144.867 | 0.0000 | 0.0000 | 82.410 | 0.02303 | 0.00000 | 319537.6 | 133909.8 | 183122.1 | S |
| 144.875 | 0.0000 | 0.0000 | 82.410 | 0.02303 | 0.00000 | 319537.6 | 133910.5 | 183122.1 | S |
| 144.883 | 0.0000 | 0.0000 | 82.410 | 0.02302 | 0.00000 | 319537.6 | 133911.2 | 183122.1 | S |
| 144.892 | 0.0000 | 0.0000 | 82.410 | 0.02302 | 0.00000 | 319537.6 | 733911.9 | $183\} 22.1$ | S |
| 144.900 | 0.0000 | 0.0000 | 82.410 | 0.02302 | 0.00000 | 319537.6 | 133912.6 | 183122.1 | S |
| 144.908 | 0.0000 | 0.0000 | 82.410 | 0.02302 | 0.00000 | 319537.6 | 13393 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge ( $1 /$ /day) | Stage Elevation (f datum) | Infiltration Rate (fis/s) | Overfiow Discharge ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume (fis) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\left(\mathrm{t}^{3}\right)$ | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 144.917 | 0.0000 | 0.0000 | 82.409 | 0.02301 | 0.00000 | 319537.6 | 133913.9 | 183122.1 | S |
| 144.925 | 0.0000 | 0.0000 | 82.409 | 0.02301 | 0.00000 | 319537.6 | 133914.6 | 183122.1 | S |
| 144.933 | 0.0000 | 0.0000 | 82.409 | 0.02301 | 0.00000 | 319537.6 | 133915.3 | 183122.1 | S |
| 144.942 | 0.0000 | 0.0000 | 82.409 | 0.02301 | 0.00000 | 319537.6 | 133916.0 | 183122.1 | S |
| 144.950 | 0.0000 | 0.0000 | 82.409 | 0.02300 | 0.00000 | 319537.6 | 133916.7 | 183122.1 | S |
| 144.958 | 0.0000 | 0.0000 | 82.409 | 0.02300 | 0.00000 | 319537.6 | 133917.4 | 183122.1 | S |
| 144.967 | 0.0000 | 0.0000 | 82.409 | 0.02300 | 0.00000 | 319537.6 | 133918.1 | 183122.1 | S |
| 144.975 | 0.0000 | 0.0000 | 82.409 | 0.02300 | 0.00000 | 319537.6 | 133918.8 | 183122.1 | S |
| 144.983 | 0.0000 | 0.0000 | 82.409 | 0.02299 | 0.00000 | 319537.6 | 133919.5 | 183122.1 | S |
| 144.992 | 0.0000 | 0.0000 | 82.408 | 0.02299 | 0.00000 | 319537.6 | 133920.1 | 183122.1 | S |
| 145.000 | 0.0000 | 0.0000 | 82.408 | 0.02299 | 0.00000 | 319537.6 | 133920.8 | 183122.1 | S |
| 145.008 | 0.0000 | 0.0000 | 82.408 | 0.02299 | 0.00000 | 319537.6 | 133921.5 | 183122.1 | S |
| 145.017 | 0.0000 | 0.0000 | 82.408 | 0.02298 | 0.00000 | 319537.6 | 133922.2 | 183122.1 | S |
| 145.025 | 0.0000 | 0.0000 | 82.408 | 0.02298 | 0.00000 | 319537.6 | 133922.9 | 183122.1 | S |
| 145.033 | 0.0000 | 0.0000 | 82.408 | 0.02298 | 0.00000 | 319537.6 | 133923.6 | 183122.1 | S |
| 145.042 | 0.0000 | 0.0000 | 82.408 | 0.02298 | 0.00000 | 319537.6 | 133924.3 | 183122.1 | S |
| 145.050 | 0.0000 | 0.0000 | 82.408 | 0.02297 | 0.00000 | 319537.6 | 133925.0 | 183122.1 | S |
| 145.058 | 0.0000 | 0.0000 | 82.408 | 0.02297 | 0.00000 | 319537.6 | 133925.7 | 183122.1 | S |
| 145.067 | 0.0000 | 0.0000 | 82.407 | 0.02297 | 0.00000 | 319537.6 | 133926.4 | 183122.7 | S |
| 145.075 | 0.0000 | 0.0000 | 82.407 | 0.02297 | 0.00000 | 319537.6 | 133927.0 | 183122.1 | S |
| 145.083 | 0.0000 | 0.0000 | 82.407 | 0.02296 | 0.00000 | 319537.6 | 133927.7 | 183122.1 | S |
| 145.092 | 0.0000 | 0.0000 | 82.407 | 0.02296 | 0.00000 | 319537.6 | 133928.4 | 183122.1 | S |
| 145.100 | 0.0000 | 0.0000 | 82.407 | 0.02296 | 0.00000 | 319537.6 | 133929.1 | 183122.1 | S |
| 145.108 | 0.0000 | 0.0000 | 82.407 | 0.02296 | 0.00000 | 319537.6 | 133929.8 | 183122.1 | S |
| 145.117 | 0.0000 | 0.0000 | 82.407 | 0.02295 | 0.00000 | 319537.6 | 133930.5 | 183122.1 | S |
| 145.125 | 0.0000 | 0.0000 | 82.407 | 0.02295 | 0.00000 | 319537.6 | 133931.2 | 183122.1 | S |
| 145.133 | 0.0000 | 0.0000 | 82.407 | 0.02295 | 0.00000 | 319537.6 | 133931.9 | 183122.1 | S |
| 145.142 | 0.0000 | 0.0000 | 82.407 | 0.02295 | 0.00000 | 319537.6 | 133932.5 | 183122.1 | S |
| 145.150 | 0.0000 | 0.0000 | 82.406 | 0.02294 | 0.00000 | 319537.6 | 133933.2 | 183122.1 | S |
| 145.158 | 0.0000 | 0.0000 | 82.406 | 0.02294 | 0.00000 | 319537.6 | 133933.9 | 183122.1 | S |
| 145.167 | 0.0000 | 0.0000 | 82.406 | 0.02294 | 0.00000 | 319537.6 | 133934.6 | 183122.1 | S |
| 145.175 | 0.0000 | 0.0000 | 82.406 | 0.02294 | 0.00000 | 319537.6 | 133935.3 | 183122.1 | S |
| 145.183 | 0.0000 | 0.0000 | 82.406 | 0.02293 | 0.00000 | 319537.6 | 133936.0 | 183122.1 | S |
| 145.192 | 0.0000 | 0.0000 | 82.406 | 0.02293 | 0.00000 | 319537.6 | 133936.7 | 183122.1 | S |
| 145.200 | 0.0000 | 0.0000 | 82.406 | 0.02293 | 0.00000 | 319537.6 | 133937.4 | 183122.1 | S |
| 145.208 | 0.0000 | 0.0000 | 82.406 | 0.02293 | 0.00000 | 319537.6 | 133938.1 | 183122.1 | S |
| 145.217 | 0.0000 | 0.0000 | 82.406 | 0.02292 | 0.00000 | 319537.6 | 133938.8 | 183122.1 | S |
| 145.225 | 0.0000 | 0.0000 | 82.405 | 0.02292 | 0.00000 | 319537.6 | 133939.4 | 183122.1 | S |
| 145.233 | 0.0000 | 0.0000 | 82.405 | 0.02292 | 0.00000 | 319537.6 | 133940.1 | 183122.1 | S |
| 145.242 | 0.0000 | 0.0000 | 82.405 | 0.02292 | 0.00000 | 319537.6 | 133940.8 | 183122.1 | S |
| 145.250 | 0.0000 | 0.0000 | 82.405 | 0.02291 | 0.00000 | 319537.6 | 133941.5 | 183122.1 | S |
| 145.258 | 0.0000 | 0.0000 | 82.405 | 0.02291 | 0.00000 | 319537.6 | 133942.2 | 183122.1 | S |
| 145.267 | 0.0000 | 0.0000 | 82.405 | 0.02291 | 0.00000 | 319537.6 | 133942.9 | 183122.1 | S |
| 145.275 | 0.0000 | 0.0000 | 82.405 | 0.02291 | 0.00000 | 319537.6 | 133943.6 | 183122.1 | S |
| 145.283 | 0.0000 | 0.0000 | 82.405 | 0.02290 | 0.00000 | 319537.6 | 133944.3 | 183122.1 | S |
| 145.292 | 0.0000 | 0.0000 | 82.405 | 0.02290 | 0.00000 | 319537.6 | 133944.9 | 183122.1 | S |
| 145.300 | 0.0000 | 0.0000 | 82.404 | 0.02290 | 0.00000 | 319537.6 | 133945.6 | 183122.1 | S |
| 145.308 | 0.0000 | 0.0000 | 82.404 | 0.02290 | 0.00000 | 319537.6 | 133946.3 | 183122.1 | S |
| 145.317 | 0.0000 | 0.0000 | 82.404 | 0.02290 | 0.00000 | 319537.6 | 133947.0 | 183122.1 | S |
| 145.325 | 0.0000 | 0.0000 | 82.404 | 0.02289 | 0.00000 | 319537.6 | 133947.7 | 183122.7 | S |
| 145.333 | 0.0000 | 0.0000 | 82.404 | 0.02289 | 0.00000 | 319537.6 | 133948.4 | 183122.1 | S |
| 145.342 | 0.0000 | 0.0000 | 82.404 | 0.02289 | 0.00000 | 319537.6 | 133949.0 | 183122.1 | S |
| 145.350 | 0.0000 | 0.0000 | 82.404 | 0.02289 | 0.00000 | 319537.6 | 133949.7 | 183122.1 | S |
| 145.358 | 0.0000 | 0.0000 | 82.404 | 0.02288 | 0.00000 | 319537.6 | 133950.4 | 183122.1 | S |
| 145.367 | 0.0000 | 0.0000 | 82.404 | 0.02288 | 0.00000 | 319537.6 | 133951.1 | 183122.1 | S |
| 145.375 | 0.0000 | 0.0000 | 82.404 | 0.02288 | 0.00000 | 319537.6 | 133951.8 | 183122.1 | S |
| 145.383 | 0.0000 | 0.0000 | 82.403 | 0.02288 | 0.00000 | 319537.6 | 133952.5 | 183122.1 | S |
| 145.392 | 0.0000 | 0.0000 | 82.403 | 0.02287 | 0.00000 | 319537.6 | 133953.2 | 183122.1 | S |
| 145.400 | 0.0000 | 0.0000 | 82.403 | 0.02287 | 0.00000 | 319537.6 | 133953.9 | 183122.1 | S |
| 145.408 | 0.0000 | 0.0000 | 82.403 | 0.02287 | 0.00000 | 319537.6 | 133954.5 | 183122.1 | S |
| 145.417 | 0.0000 | 0.0000 | 82.403 | 0.02287 | 0.00000 | 319537.6 | 133955.2 | 183122.1 | S |
| 145.425 | 0.0000 | 0.0000 | 82.403 | 0.02286 | 0.00000 | 319537.6 | 133955.9 | 183122.1 | S |
| 145.433 | 0.0000 | 0.0000 | 82.403 | 0.02286 | 0.00000 | 319537.6 | 133956.6 | 183122.1 | S |
| 145.442 | 0.0000 | 0.0000 | 82.403 | 0.02286 | 0.00000 | 319537.6 | 133957.3 | 183122.1 | S |
| 145.450 | 0.0000 | 0.0000 | 82.403 | 0.02286 | 0.00000 | 319537.6 | 133958.0 | 183122.1 | S |
| 145.458 | 0.0000 | 0.0000 | 82.402 | 0.02285 | 0.00000 | 319537.6 | 133958.7 | 183122.1 | S |
| 145.467 | 0.0000 | 0.0000 | 82.402 | 0.02285 | 0.00000 | 319537.6 | 133959.3 | 183122.1 | S |
| 145.475 | 0.0000 | 0.0000 | 82.402 | 0.02285 | 0.00000 | 319537.6 | 133960.0 | 183122.1 | S |
| 145.483 | 0.0000 | 0.0000 | 82.402 | 0.02285 | 0.00000 | 319537.6 | 133960.7 | 183122.1 | S |
| 145.492 | 0.0000 | 0.0000 | 82.402 | 0.02284 | 0.00000 | 319537.6 | 133961.4 | 183122.1 | S |
| 145.500 | 0.0000 | 0.0000 | 82.402 | 0.02284 | 0.00000 | 319537.6 | 133962.1 | 183122.1 | S |
| 145.508 | 0.0000 | 0.0000 | 82.402 | 0.02284 | 0.00000 | 319537.6 | 133962.8 | 183122.1 | S |
| 145.517 | 0.0000 | 0.0000 | 82.402 | 0.02284 | 0.00000 | 319537.6 | 133963.5 | 183122.1 | S |
| 145.525 | 0.0000 | 0.0000 | 82.402 | 0.02283 | 0.00000 | 319537.6 | 133964.1 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Enflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (fi/day) | Stage Elevation (ft datum) | infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow <br> Discharge <br> ( $\mathrm{F}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 145.533 | 0.0000 | 0.0000 | 82.402 | 0.02283 | 0.00000 | 319537.6 | 133964.8 | 183122.4 | S |
| 145.542 | 0.0000 | 0.0000 | 82.401 | 0.02283 | 0.00000 | 319537.6 | 133965.5 | 183122.1 | S |
| 145.550 | 0.0000 | 0.0000 | 82.401 | 0.02283 | 0.00000 | 319537.6 | 133966.2 | 183122.1 | S |
| 145.558 | 0.0000 | 0.0000 | 82.401 | 0.02282 | 0.00000 | 319537.6 | 133966.9 | 183122.1 | S |
| 145.567 | 0.0000 | 0.0000 | 82.401 | 0.02282 | 0.00000 | 319537.6 | 133967.6 | 183122.1 | S |
| 145.575 | 0.0000 | 0.0000 | 82.401 | 0.02282 | 0.00000 | 319537.6 | 133968.3 | 183122.1 | S |
| 145.583 | 0.0000 | 0.0000 | 82.401 | 0.02282 | 0.00000 | 319537.6 | 133968.9 | 183122.1 | S |
| 145.592 | 0.0000 | 0.0000 | 82.401 | 0.02281 | 0.00000 | 319537.6 | 133969.6 | 183122.1 | S |
| 145.600 | 0.0000 | 0.0000 | 82.401 | 0.02281 | 0.00000 | 319537.6 | 133970.3 | 183122.1 | S |
| 145.608 | 0.0000 | 0.0000 | 82.401 | 0.02281 | 0.00000 | 319537.6 | 133971.0 | 183122.1 | S |
| 145.617 | 0.0000 | 0.0000 | 82.400 | 0.02281 | 0.00000 | 319537.6 | 133971.7 | 183122.1 | S |
| 145.625 | 0.0000 | 0.0000 | 82.400 | 0.02280 | 0.00000 | 319537.6 | 133972.4 | 183122.1 | S |
| 145.633 | 0.0000 | 0.0000 | 82.400 | 0.02280 | 0.00000 | 319537.6 | 133973.0 | 183122.1 | S |
| 145.642 | 0.0000 | 0.0000 | 82.400 | 0.02280 | 0.00000 | 319537.6 | 133973.7 | 183122.1 | S |
| 145.650 | 0.0000 | 0.0000 | 82.400 | 0.02280 | 0.00000 | 319537.6 | 133974.4 | 183122.1 | S |
| 145.658 | 0.0000 | 0.0000 | 82.400 | 0.02279 | 0.00000 | 319537.6 | 133975.1 | 183122.1 | S |
| 145.667 | 0.0000 | 0.0000 | 82.400 | 0.02279 | 0.00000 | 319537.6 | 133975.8 | 183122.1 | S |
| 145.675 | 0.0000 | 0.0000 | 82.400 | 0.02279 | 0.00000 | 319537.6 | 133976.5 | 183122.1 | S |
| 145.683 | 0.0000 | 0.0000 | 82.400 | 0.02279 | 0.00000 | 319537.6 | 133977.1 | 183122.1 | S |
| 145.692 | 0.0000 | 0.0000 | 82.399 | 0.02279 | 0.00000 | 319537.6 | 133977.8 | 183122.1 | S |
| 145.700 | 0.0000 | 0.0000 | 82.399 | 0.02278 | 0.00000 | 319537.6 | 133978.5 | 183122.1 | S |
| 145.708 | 0.0000 | 0.0000 | 82.399 | 0.02278 | 0.00000 | 319537.6 | 133979.2 | 183122.1 | S |
| 145.717 | 0.0000 | 0.0000 | 82.399 | 0.02278 | 0.00000 | 319537.6 | 133979.9 | 183122.1 | S |
| 145.725 | 0.0000 | 0.0000 | 82.399 | 0.02278 | 0.00000 | 319537.6 | 133980.6 | 183122.1 | S |
| 145.733 | 0.0000 | 0.0000 | 82.399 | 0.02277 | 0.00000 | 319537.6 | 133981.2 | 183122.1 | S |
| 145.742 | 0.0000 | 0.0000 | 82.399 | 0.02277 | 0.00000 | 319537.6 | 133981.9 | 183122.1 | S |
| 145.750 | 0.0000 | 0.0000 | 82.399 | 0.02277 | 0.00000 | 319537.6 | 133982.6 | 183122.1 | S |
| 145.758 | 0.0000 | 0.0000 | 82.399 | 0.02277 | 0.00000 | 319537.6 | 133983.3 | 183122.1 | S |
| 145.767 | 0.0000 | 0.0000 | 82.399 | 0.02276 | 0.00000 | 319537.6 | 133984.0 | 183122.1 | S |
| 145.775 | 0.0000 | 0.0000 | 82.398 | 0.02276 | 0.00000 | 319537.6 | 133984.7 | 183122.1 | S |
| 145.783 | 0.0000 | 0.0000 | 82.398 | 0.02276 | 0.00000 | 319537.6 | 133985.3 | 183122.1 | S |
| 145.792 | 0.0000 | 0.0000 | 82.398 | 0.02276 | 0.00000 | 319537.6 | 133986.0 | 183122.1 | S |
| 145.800 | 0.0000 | 0.0000 | 82.398 | 0.02275 | 0.00000 | 319537.6 | 133986.7 | 183122.1 | S |
| 145.808 | 0.0000 | 0.0000 | 82.398 | 0.02275 | 0.00000 | 319537.6 | 133987.4 | 183122.1 | S |
| 145.817 | 0.0000 | 0.0000 | 82.398 | 0.02275 | 0.00000 | 319537.6 | 133988.1 | 183122.1 | S |
| 145.825 | 0.0000 | 0.0000 | 82.398 | 0.02275 | 0.00000 | 319537.6 | 133988.8 | 183122.1 | S |
| 145.833 | 0.0000 | 0.0000 | 82.398 | 0.02274 | 0.00000 | 319537.6 | 133989.4 | 183122.1 | S |
| 145.842 | 0.0000 | 0.0000 | 82.398 | 0.02274 | 0.00000 | 319537.6 | 133990.1 | 183122.1 | S |
| 145.850 | 0.0000 | 0.0000 | 82.397 | 0.02274 | 0.00000 | 319537.6 | 133990.8 | 183122.1 | S |
| 145.858 | 0.0000 | 0.0000 | 82.397 | 0.02274 | 0.00000 | 319537.6 | 133991.5 | 183122.1 | S |
| 145.867 | 0.0000 | 0.0000 | 82.397 | 0.02273 | 0.00000 | 319537.6 | 133992.2 | 183122.1 | S |
| 145.875 | 0.0000 | 0.0000 | 82.397 | 0.02273 | 0.00000 | 319537.6 | 133992.8 | 183122.1 | S |
| 145.883 | 0.0000 | 0.0000 | 82.397 | 0.02273 | 0.00000 | 319537.6 | 133993.5 | 183122.1 | S |
| 145.892 | 0.0000 | 0.0000 | 82.397 | 0.02273 | 0.00000 | 319537.6 | 133994.2 | 183122.1 | S |
| 145.900 | 0.0000 | 0.0000 | 82.397 | 0.02272 | 0.00000 | 319537.6 | 133994.9 | 183122.1 | S |
| 145.908 | 0.0000 | 0.0000 | 82.397 | 0.02272 | 0.00000 | 319537.6 | 133995.6 | 183122.1 | S |
| 145.917 | 0.0000 | 0.0000 | 82.397 | 0.02272 | 0.00000 | 319537.6 | 133996.3 | 183122.1 | S |
| 145.925 | 0.0000 | 0.0000 | 82.397 | 0.02272 | 0.00000 | 319537.6 | 133996.9 | 183122.1 | S |
| 145.933 | 0.0000 | 0.0000 | 82.396 | 0.02271 | 0.00000 | 319537.6 | 133997.6 | 183122.1 | S |
| 145.942 | 0.0000 | 0.0000 | 82.396 | 0.02271 | 0.00000 | 319537.6 | 133998.3 | 183122.1 | S |
| 145.950 | 0.0000 | 0.0000 | 82.396 | 0.02271 | 0.00000 | 319537.6 | 133999.0 | 183122.1 | S |
| 145.958 | 0.0000 | 0.0000 | 82.396 | 0.02271 | 0.00000 | 319537.6 | 133999.7 | 183122.1 | S |
| 145.967 | 0.0000 | 0.0000 | 82.396 | 0.02271 | 0.00000 | 319537.6 | 134000.3 | 183122.1 | S |
| 145.975 | 0.0000 | 0.0000 | 82.396 | 0.02270 | 0.00000 | 319537.6 | 134001.0 | 183122.1 | S |
| 145.983 | 0.0000 | 0.0000 | 82.396 | 0.02270 | 0.00000 | 319537.6 | 134001.7 | 183122.1 | S |
| 145.992 | 0.0000 | 0.0000 | 82.396 | 0.02270 | 0.00000 | 319537.6 | 134002.4 | 183122.1 | S |
| 146.000 | 0.0000 | 0.0000 | 82.396 | 0.02270 | 0.00000 | 319537.6 | 134003.1 | 183122.1 | S |
| 146.008 | 0.0000 | 0.0000 | 82.395 | 0.02269 | 0.00000 | 319537.6 | 134003.8 | 183122.1 | S |
| 146.017 | 0.0000 | 0.0000 | 82.395 | 0.02269 | 0.00000 | 319537.6 | 134004.4 | 183122.1 | S |
| 146.025 | 0.0000 | 0.0000 | 82.395 | 0.02269 | 0.00000 | 319537.6 | 134005.1 | 183122.1 | S |
| 146.033 | 0.0000 | 0.0000 | 82.395 | 0.02269 | 0.00000 | 319537.6 | 134005.8 | 183122.1 | S |
| 146.042 | 0.0000 | 0.0000 | 82.395 | 0.02268 | 0.00000 | 319537.6 | 134006.5 | 183122.4 | S |
| 146.050 | 0.0000 | 0.0000 | 82.395 | 0.02268 | 0.00000 | 319537.6 | 134007.2 | 183122.1 | S |
| 146.058 | 0.0000 | 0.0000 | 82.395 | 0.02268 | 0.00000 | 319537.6 | 134007.8 | 183122.1 | S |
| 146.067 | 0.0000 | 0.0000 | 82.395 | 0.02268 | 0.00000 | 319537.6 | 134008.5 | 183122.1 | S |
| 146.075 | 0.0000 | 0.0000 | 82.395 | 0.02267 | 0.00000 | 319537.6 | 134009.2 | 183122.1 | S |
| 146.083 | 0.0000 | 0.0000 | 82.395 | 0.02267 | 0.00000 | 319537.6 | 134009.9 | 183122.1 | S |
| 146.092 | 0.0000 | 0.0000 | 82.394 | 0.02267 | 0.00000 | 319537.6 | 134010.5 | 183122.1 | S |
| 146.100 | 0.0000 | 0.0000 | 82.394 | 0.02267 | 0.00000 | 319537.6 | 134011.2 | 183122.1 | S |
| 146.108 | 0.0000 | 0.0000 | 82.394 | 0.02266 | 0.00000 | 319537.6 | 134011.9 | 183122.1 | S |
| 146.117 | 0.0000 | 0.0000 | 82.394 | 0.02266 | 0.00000 | 319537.6 | 134012.6 | 183122.1 | S |
| 146.125 | 0.0000 | 0.0000 | 82.394 | 0.02266 | 0.00000 | 318537.6 | 134013.3 | 183122.1 | S |
| 146.133 | 0.0000 | 0.0000 | 82.394 | 0.02266 | 0.00000 | 319537.6 | 134014.0 | 183122.1 | S |
| 146.142 | 0.0000 | 0.0000 | 82.394 | 0.02265 | 0.00000 | 319537.6 | 134014.6 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{fl}^{3} / \mathrm{S}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate (ftiss) | Overlow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 146.150 | 0.0000 | 0.0000 | 82.394 | 0.02265 | 0.00000 | 319537.6 | 134015.3 | 183122.1 | S |
| 146.158 | 0.0000 | 0.0000 | 82.394 | 0.02265 | 0.00000 | 319537.6 | 134016.0 | 183122.1 | S |
| 146.167 | 0.0000 | 0.0000 | 82.393 | 0.02265 | 0.00000 | 319537.6 | 134016.7 | 183122.1 | S |
| 146.175 | 0.0000 | 0.0000 | 82.393 | 0.02264 | 0.00000 | 319537.6 | 134017.3 | 183122.1 | S |
| 146.183 | 0.0000 | 0.0000 | 82.393 | 0.02264 | 0.00000 | 319537.6 | 134018.0 | 183122.1 | S |
| 146.192 | 0.0000 | 0.0000 | 82.393 | 0.02264 | 0.00000 | 319537.6 | 134018.7 | 183122.1 | S |
| 146.200 | 0.0000 | 0.0000 | 82.393 | 0.02264 | 0.00000 | 319537.6 | 134019.4 | 183122.1 | S |
| 146.208 | 0.0000 | 0.0000 | 82.393 | 0.02264 | 0.00000 | 319537.6 | 134020.1 | 183122.1 | S |
| 146.217 | 0.0000 | 0.0000 | 82.393 | 0.02263 | 0.00000 | 319537.6 | 134020.8 | 183122.1 | S |
| 146.225 | 0.0000 | 0.0000 | 82.393 | 0.02263 | 0.00000 | 319537.6 | 134021.4 | 183122.1 | S |
| 146.233 | 0.0000 | 0.0000 | 82.393 | 0.02263 | 0.00000 | 319537.6 | 134022.1 | 183122.1 | S |
| 146.242 | 0.0000 | 0.0000 | 82.393 | 0.02263 | 0.00000 | 319537.6 | 134022.8 | 183122.1 | S |
| 146.250 | 0.0000 | 0.0000 | 82.392 | 0.02262 | 0.00000 | 319537.6 | 134023.5 | 183122.1 | S |
| 146.258 | 0.0000 | 0.0000 | 82.392 | 0.02262 | 0.00000 | 319537.6 | 134024.1 | 183122.1 | S |
| 146.267 | 0.0000 | 0.0000 | 82.392 | 0.02262 | 0.00000 | 319537.6 | 134024.8 | 183122.1 | S |
| 146.275 | 0.0000 | 0.0000 | 82.392 | 0.02262 | 0.00000 | 319537.6 | 134025.5 | 183122.1 | S |
| 146.283 | 0.0000 | 0.0000 | 82.392 | 0.02261 | 0.00000 | 319537.6 | 134026.2 | 183122.1 | S |
| 146.292 | 0.0000 | 0.0000 | 82.392 | 0.02261 | 0.00000 | 319537.6 | 134026.9 | 183122.1 | S |
| 146.300 | 0.0000 | 0.0000 | 82.392 | 0.02261 | 0.00000 | 319537.6 | 134027.5 | 183122.1 | S |
| 146.308 | 0.0000 | 0.0000 | 82.392 | 0.02261 | 0.00000 | 319537.6 | 134028.2 | 183122.1 | S |
| 146.317 | 0.0000 | 0.0000 | 82.392 | 0.02260 | 0.00000 | 319537.6 | 134028.9 | $183\} 22.1$ | S |
| 146.325 | 0.0000 | 0.0000 | 82.391 | 0.02260 | 0.00000 | 319537.6 | 134029.6 | 183122.1 | S |
| 146.333 | 0.0000 | 0.0000 | 82.391 | 0.02260 | 0.00000 | 319537.6 | 134030.3 | 183122.1 | S |
| 146.342 | 0.0000 | 0.0000 | 82.391 | 0.02260 | 0.00000 | 319537.6 | 134030.9 | 183122.1 | S |
| 146.350 | 0.0000 | 0.0000 | 82.391 | 0.02259 | 0.00000 | 319537.6 | 134031.6 | 183122.1 | S |
| 146.358 | 0.0000 | 0.0000 | 82.391 | 0.02259 | 0.00000 | 319537.6 | 734032.3 | 183122.1 | S |
| 146.367 | 0.0000 | 0.0000 | 82.391 | 0.02259 | 0.00000 | 319537.6 | 134033.0 | 183122.1 | S |
| \$46.375 | 0.0000 | 0.0000 | 82.391 | 0.02259 | 0.00000 | 319537.6 | 134033.6 | 183122.1 | S |
| 146.383 | 0.0000 | 0.0000 | 82.391 | 0.02258 | 0.00000 | 319537.6 | 134034.3 | 183122.1 | S |
| 146.392 | 0.0000 | 0.0000 | 82.391 | 0.02258 | 0.00000 | 319537.6 | 134035.0 | 183122.1 | S |
| 146.400 | 0.0000 | 0.0000 | 82.391 | 0.02258 | 0.00000 | 319537.6 | 134035.7 | 183122.1 | S |
| 146.408 | 0.0000 | 0.0000 | 82.390 | 0.02258 | 0.00000 | 319537.6 | 134036.3 | 183122.1 | S |
| 146.417 | 0.0000 | 0.0000 | 82.390 | 0.02258 | 0.00000 | 319537.6 | 134037.0 | 183122.1 | S |
| 146.425 | 0.0000 | 0.0000 | 82.390 | 0.02257 | 0.00000 | 319537.6 | 134037.7 | 183122.1 | S |
| 146.433 | 0.0000 | 0.0000 | 82.390 | 0.02257 | 0.00000 | 319537.6 | 134038.4 | 183122.1 | S |
| 146.442 | 0.0000 | 0.0000 | 82.390 | 0.02257 | 0.00000 | 319537.6 | 134039.0 | 183122.1 | S |
| 146.450 | 0.0000 | 0.0000 | 82.390 | 0.02257 | 0.00000 | 319537.6 | 134039.7 | 183122.1 | S |
| 146.458 | 0.0000 | 0.0000 | 82.390 | 0.02256 | 0.00000 | 319537.6 | 134040.4 | 183122.1 | S |
| \$46.467 | 0.0000 | 0.0000 | 82.390 | 0.02256 | 0.00000 | 319537.6 | 134041.1 | 183122.1 | S |
| 146.475 | 0.0000 | 0.0000 | 82.390 | 0.02256 | 0.00000 | 319537.6 | 134041.8 | 183122.1 | S |
| 146.483 | 0.0000 | 0.0000 | 82.389 | 0.02256 | 0.00000 | 319537.6 | 134042.4 | 183122.1 | S |
| 146.492 | 0.0000 | 0.0000 | 82.389 | 0.02255 | 0.00000 | 319537.6 | 134043.1 | 183122.1 | S |
| 146.500 | 0.0000 | 0.0000 | 82.389 | 0.02255 | 0.00000 | 319537.6 | 134043.8 | 183122.1 | S |
| 146.508 | 0.0000 | 0.0000 | - 82.389 | 0.02255 | 0.00000 | 319537.6 | 134044.5 | 183122.1 | S |
| 146.517 | 0.0000 | 0.0000 | 82.389 | 0.02255 | 0.00000 | 319537.6 | 134045.1 | 183122.1 | S |
| 146.525 | 0.0000 | 0.0000 | 82.389 | 0.02254 | 0.00000 | 319537.6 | 134045.8 | 183122.1 | S |
| 146.533 | 0.0000 | 0.0000 | 82.389 | 0.02254 | 0.00000 | 319537.6 | 134046.5 | 183122.1 | S |
| 146.542 | 0.0000 | 0.0000 | 82.389 | 0.02254 | 0.00000 | 319537.6 | 134047.2 | 183122.1 | S |
| 146.550 | 0.0000 | 0.0000 | 82.389 | 0.02254 | 0.00000 | 319537.6 | 134047.8 | 183122.1 | S |
| 146.558 | 0.0000 | 0.0000 | 82.389 | 0.02253 | 0.00000 | 319537.6 | 134048.5 | 183122.1 | S |
| \$46.567 | 0.0000 | 0.0000 | 82.388 | 0.02253 | 0.00000 | 319537.6 | 134049.2 | 183122.1 | S |
| 146.575 | 0.0000 | 0.0000 | 82.388 | 0.02253 | 0.00000 | 319537.6 | 134049.9 | 183122.1 | S |
| 146.583 | 0.0000 | 0.0000 | 82.388 | 0.02253 | 0.00000 | 319537.6 | 134050.5 | 183122.1 | S |
| 146.592 | 0.0000 | 0.0000 | 82.388 | 0.02252 | 0.00000 | 319537.6 | 134051.2 | 183122.1 | S |
| 146.600 | 0.0000 | 0.0000 | 82.388 | 0.02252 | 0.00000 | 319537.6 | 134051.9 | 183122.1 | S |
| 146.608 | 0.0000 | 0.0000 | 82.388 | 0.02252 | 0.00000 | 319537.6 | 134052.6 | 183122.1 | S |
| 146.617 | 0.0000 | 0.0000 | 82.388 | 0.02252 | 0.00000 | 319537.6 | 134053.3 | 183122.1 | S |
| 146.625 | 0.0000 | 0.0000 | 82.388 | 0.02252 | 0.00000 | 319537.6 | 134053.9 | 183122.1 | S |
| 146.633 | 0.0000 | 0.0000 | 82.388 | 0.02251 | 0.00000 | 319537.6 | 134054.6 | 183122.1 | S |
| 146.642 | 0.0000 | 0.0000 | 82.387 | 0.02251 | 0.00000 | 319537.6 | 134055.3 | 183122.1 | S |
| 146.650 | 0.0000 | 0.0000 | 82.387 | 0.02251 | 0.00000 | 319537.6 | 134056.0 | 183122.1 | S |
| 146.658 | 0.0000 | 0.0000 | 82.387 | 0.02251 | 0.00000 | 319537.6 | 134056.6 | 183122.1 | S |
| 146.667 | 0.0000 | 0.0000 | 82.387 | 0.02250 | 0.00000 | 319537.6 | 134057.3 | 183122.1 | S |
| 146.675 | 0.0000 | 0.0000 | 82.387 | 0.02250 | 0.00000 | 319537.6 | 134058.0 | 183122.1 | S |
| 146.683 | 0.0000 | 0.0000 | 82.387 | 0.02250 | 0.00000 | 319537.6 | 134058.7 | 183122.1 | S |
| 146.692 | 0.0000 | 0.0000 | 82.387 | 0.02250 | 0.00000 | 319537.6 | 134059.3 | 183122.1 | S |
| 146.700 | 0.0000 | 0.0000 | 82.387 | 0.02249 | 0.00000 | 319537.6 | 134060.0 | 183122.1 | S |
| 146.708 | 0.0000 | 0.0000 | 82.387 | 0.02249 | 0.00000 | 319537.6 | 134060.7 | 183122.1 | S |
| 146.717 | 0.0000 | 0.0000 | 82.387 | 0.02249 | 0.00000 | 319537.6 | 134061.4 | 183122.1 | S |
| 146.725 | 0.0000 | 0.0000 | 82.386 | 0.02249 | 0.00000 | 319537.6 | 134062.0 | 183122.1 | S |
| 146.733 | 0.0000 | 0.0000 | 82.386 | 0.02248 | 0.00000 | 319537.6 | 134062.7 | 183122.1 | S |
| 146.742 | 0.0000 | 0.0000 | 82.386 | 0.02248 | 0.00000 | 319537.6 | 134063.4 | 183122.1 | S |
| 146.750 | 0.0000 | 0.0000 | 82.386 | 0.02248 | 0.00000 | 319537.6 | $\ddagger 34064.0$ | 183122.1 | S |
| 146.758 | 0.0000 | 0.0000 | 82.386 | 0.02248 | 0.00000 | 319537.6 | 134064.7 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | inflow Rate ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Outside Recharge (tt/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overfiow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 146.767 | 0.0000 | 0.0000 | 82.386 | 0.02247 | 0.00000 | 319537.6 | 134065.4 | 183122.1 | S |
| 146.775 | 0.0000 | 0.0000 | 82.386 | 0.02247 | 0.00000 | 319537.6 | 134066.1 | 183122.1 | S |
| 146.783 | 0.0000 | 0.0000 | 82.386 | 0.02247 | 0.00000 | 319537.6 | 134066.8 | 183122.1 | S |
| 146.792 | 0.0000 | 0.0000 | 82.386 | 0.02247 | 0.00000 | 319537.6 | 134067.4 | 183122.1 | S |
| 146.800 | 0.0000 | 0.0000 | 82.385 | 0.02247 | 0.00000 | 319537.6 | 134068.1 | 183122.1 | S |
| 146.808 | 0.0000 | 0.0000 | 82.385 | 0.02246 | 0.00000 | 319537.6 | 134068.8 | 183122.1 | S |
| 146.817 | 0.0000 | 0.0000 | 82.385 | 0.02246 | 0.00000 | 319537.6 | 134069.4 | 183122.1 | S |
| 146.825 | 0.0000 | 0.0000 | 82.385 | 0.02246 | 0.00000 | 319537.6 | 134070.1 | 183122.1 | S |
| 146.833 | 0.0000 | 0.0000 | 82.385 | 0.02246 | 0.00000 | 319537.6 | 134070.8 | 183122.1 | S |
| 146.842 | 0.0000 | 0.0000 | 82.385 | 0.02245 | 0.00000 | 319537.6 | 134071.5 | 183122.1 | S |
| 146.850 | 0.0000 | 0.0000 | 82.385 | 0.02245 | 0.00000 | 319537.6 | 134072.1 | 183122.1 | S |
| 146.858 | 0.0000 | 0.0000 | 82.385 | 0.02245 | 0.00000 | 319537.6 | 134072.8 | 183122.1 | S |
| 146.867 | 0.0000 | 0.0000 | 82.385 | 0.02245 | 0.00000 | 319537.6 | 134073.5 | 183122.1 | S |
| 146.875 | 0.0000 | 0.0000 | 82.385 | 0.02244 | 0.00000 | 319537.6 | 134074.2 | 183122.1 | S |
| 146.883 | 0.0000 | 0.0000 | 82.384 | 0.02244 | 0.00000 | 319537.6 | 134074.8 | 183122.1 | S |
| 146.892 | 0.0000 | 0.0000 | 82.384 | 0.02244 | 0.00000 | 319537.6 | 134075.5 | 183122.1 | S |
| 146.900 | 0.0000 | 0.0000 | 82.384 | 0.02244 | 0.00000 | 319537.6 | 134076.2 | 183122.1 | S |
| 146.908 | 0.0000 | 0.0000 | 82.384 | 0.02243 | 0.00000 | 319537.6 | 134076.9 | 183122.1 | S |
| 146.917 | 0.0000 | 0.0000 | 82.384 | 0.02243 | 0.00000 | 319537.6 | 134077.5 | 183122.1 | S |
| 146.925 | 0.0000 | 0.0000 | 82.384 | 0.02243 | 0.00000 | 319537.6 | 134078.2 | 183122.1 | S |
| 146.933 | 0.0000 | 0.0000 | 82.384 | 0.02243 | 0.00000 | 319537.6 | 134078.9 | 183122.1 | S |
| 146.942 | 0.0000 | 0.0000 | 82.384 | 0.02242 | 0.00000 | 319537.6 | 134079.5 | 183122.1 | S |
| 146.950 | 0.0000 | 0.0000 | 82.384 | 0.02242 | 0.00000 | 319537.6 | 134080.2 | 183122.1 | S |
| 146.958 | 0.0000 | 0.0000 | 82.383 | 0.02242 | 0.00000 | 319537.6 | 134080.9 | 183122.1 | S |
| 146.967 | 0.0000 | 0.0000 | 82.383 | 0.02242 | 0.00000 | 319537.6 | 134081.6 | 183122.1 | S |
| 146.975 | 0.0000 | 0.0000 | 82.383 | 0.02242 | 0.00000 | 319537.6 | 134082.2 | 183122.1 | S |
| 146.983 | 0.0000 | 0.0000 | 82.383 | 0.02241 | 0.00000 | 319537.6 | 134082.9 | 183122.1 | S |
| 146.992 | 0.0000 | 0.0000 | 82.383 | 0.02241 | 0.00000 | 319537.6 | 134083.6 | 183122.1 | S |
| 147.000 | 0.0000 | 0.0000 | 82.383 | 0.02241 | 0.00000 | 319537.6 | 134084.3 | 183122.1 | S |
| 147.008 | 0.0000 | 0.0000 | 82.383 | 0.02241 | 0.00000 | 319537.6 | 134084.9 | 183122.1 | S |
| 147.017 | 0.0000 | 0.0000 | 82.383 | 0.02240 | 0.00000 | 319537.6 | 134085.6 | 183122.1 | S |
| 147.025 | 0.0000 | 0.0000 | 82.383 | 0.02240 | 0.00000 | 319537.6 | 134086.3 | 183122.1 | S |
| 147.033 | 0.0000 | 0.0000 | 82.383 | 0.02240 | 0.00000 | 319537.6 | 134086.9 | 183122.1 | S |
| 147.042 | 0.0000 | 0.0000 | 82.382 | 0.02240 | 0.00000 | 319537.6 | 134087.6 | 183122.1 | S |
| 147.050 | 0.0000 | 0.0000 | 82.382 | 0.02239 | 0.00000 | 319537.6 | 134088.3 | 183122.1 | S |
| 147.058 | 0.0000 | 0.0000 | 82.382 | 0.02239 | 0.00000 | 319537.6 | 134089.0 | 183122.1 | S |
| 147.067 | 0.0000 | 0.0000 | 82.382 | 0.02239 | 0.00000 | 319537.6 | 134089.6 | 183122.1 | S |
| 147.075 | 0.0000 | 0.0000 | 82.382 | 0.02239 | 0.00000 | 319537.6 | 134090.3 | 183122.1 | S |
| 147.083 | 0.0000 | 0.0000 | 82.382 | 0.02238 | 0.00000 | 319537.6 | 134091.0 | 183122.1 | S |
| 147.092 | 0.0000 | 0.0000 | 82.382 | 0.02238 | 0.00000 | 319537.6 | 134091.6 | 183122.1 | S |
| 147.100 | 0.0000 | 0.0000 | 82.382 | 0.02238 | 0.00000 | 319537.6 | 134092.3 | 183122.1 | S |
| 147.108 | 0.0000 | 0.0000 | 82.382 | 0.02238 | 0.00000 | 319537.6 | 134093.0 | 183122.1 | S |
| 147.117 | 0.0000 | 0.0000 | 82.381 | 0.02237 | 0.00000 | 319537.6 | 134093.7 | 183122.1 | S |
| 147.125 | 0.0000 | 0.0000 | 82.381 | 0.02237 | 0.00000 | 319537.6 | 134094.3 | 183122.1 | S |
| 147.133 | 0.0000 | 0.0000 | 82.381 | 0.02237 | 0.00000 | 319537.6 | 134095.0 | 183122.1 | S |
| 147.142 | 0.0000 | 0.0000 | 82.381 | 0.02237 | 0.00000 | 319537.6 | 134095.7 | 183122.1 | S |
| 147.150 | 0.0000 | 0.0000 | 82.381 | 0.02237 | 0.00000 | 319537.6 | 134096.3 | 183122.1 | S |
| 147.158 | 0.0000 | 0.0000 | 82.381 | 0.02236 | 0.00000 | 319537.6 | 134097.0 | 183122.1 | S |
| 147.167 | 0.0000 | 0.0000 | 82.381 | 0.02236 | 0.00000 | 319537.6 | 134097.7 | 183122.1 | S |
| 147.175 | 0.0000 | 0.0000 | 82.381 | 0.02236 | 0.00000 | 319537.6 | 134098.4 | 183122.1 | S |
| 147.183 | 0.0000 | 0.0000 | 82.381 | 0.02236 | 0.00000 | 319537.6 | 134099.0 | 183122.1 | S |
| 147.192 | 0.0000 | 0.0000 | 82.381 | 0.02235 | 0.00000 | 319537.6 | 134099.7 | 183122.1 | S |
| 147.200 | 0.0000 | 0.0000 | 82.380 | 0.02235 | 0.00000 | 319537.6 | 134100.4 | 183122.1 | S |
| 147.208 | 0.0000 | 0.0000 | 82.380 | 0.02235 | 0.00000 | 319537.6 | 134101.0 | 183122.1 | S |
| 147.217 | 0.0000 | 0.0000 | 82.380 | 0.02235 | 0.00000 | 319537.6 | 134101.7 | 183122.1 | S |
| 147.225 | 0.0000 | 0.0000 | 82.380 | 0.02234 | 0.00000 | 319537.6 | 134102.4 | \$83122.1 | S |
| 147.233 | 0.0000 | 0.0000 | 82.380 | 0.02234 | 0.00000 | 319537.6 | 134103.0 | 183122.1 | S |
| 147.242 | 0.0000 | 0.0000 | 82.380 | 0.02234 | 0.00000 | 319537.6 | 134103.7 | 183122.1 | S |
| 147.250 | 0.0000 | 0.0000 | 82.380 | 0.02234 | 0.00000 | 319537.6 | 134104.4 | 183122.1 | S |
| 147.258 | 0.0000 | 0.0000 | 82.380 | 0.02233 | 0.00000 | 319537.6 | 134105.1 | 183122.1 | S |
| 147.267 | 0.0000 | 0.0000 | 82.380 | 0.02233 | 0.00000 | 319537.6 | 134105.7 | 183122.1 | S |
| 147.275 | 0.0000 | 0.0000 | 82.379 | 0.02233 | 0.00000 | 319537.6 | 134106.4 | 183122.1 | S |
| 147.283 | 0.0000 | 0.0000 | 82.379 | 0.02233 | 0.00000 | 319537.6 | 134107.1 | 183122.1 | S |
| 147.292 | 0.0000 | 0.0000 | 82.379 | 0.02233 | 0.00000 | 319537.6 | 134107.7 | 183122.1 | S |
| 147,300 | 0.0000 | 0.0000 | 82.379 | 0.02232 | 0.00000 | 319537.6 | 134108.4 | 183122.1 | S |
| 147.308 | 0.0000 | 0.0000 | 82.379 | 0.02232 | 0.00000 | 319537.6 | 134109.1 | 183122.1 | S |
| 147.317 | 0.0000 | 0.0000 | 82.379 | 0.02232 | 0.00000 | 319537.6 | 134109.8 | 183122.1 | S |
| 147.325 | 0.0000 | 0.0000 | 82.379 | 0.02232 | 0.00000 | 319537.6 | 134110.4 | 183122.1 | S |
| 147.333 | 0.0000 | 0.0000 | 82.379 | 0.02231 | 0.00000 | 319537.6 | 134111.1 | 183122.1 | S |
| 147.342 | 0.0000 | 0.0000 | 82.379 | 0.02231 | 0.00000 | 319537.6 | 134111.8 | 183122.1 | S |
| 147.350 | 0.0000 | 0.0000 | 82.379 | 0.02231 | 0.00000 | 319537.6 | 134112.4 | 183122.1 | S |
| 147.358 | 0.0000 | 0.0000 | 82.378 | 0.02231 | 0.00000 | 319537.6 | 134113.1 | 183122.1 | S |
| 147.367 | 0.0000 | 0.0000 | 82.378 | 0.02230 | 0.00000 | 319537.6 | 134113.8 | 183122.1 | S |
| 147.375 | 0.0000 | 0.0000 | 82.378 | 0.02230 | 0.00000 | 319537.6 | 134114.4 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate (ft3/s) | Outside Recharge (fitday) | Stage Elevation (ft datum) | Infiltration Rate (ft ${ }^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infittration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 147.383 | 0.0000 | 0.0000 | 82.378 | 0.02230 | 0.00000 | 319537.6 | 134115.1 | 183122.1 | S |
| 147.392 | 0.0000 | 0.0000 | 82.378 | 0.02230 | 0.00000 | 319537.6 | 134115.8 | 183122.1 | S |
| 147.400 | 0.0000 | 0.0000 | 82.378 | 0.02229 | 0.00000 | 319537.6 | 134116.4 | 183122.1 | S |
| 147.408 | 0.0000 | 0.0000 | 82.378 | 0.02229 | 0.00000 | 319537.6 | 134117.1 | 183122.1 | S |
| 147.4 亿7 | 0.0000 | 0.0000 | 82.378 | 0.02229 | 0.00000 | 319537.6 | 134117.8 | 183122.1 | S |
| 147.425 | 0.0000 | 0.0000 | 82.378 | 0.02229 | 0.00000 | 319537.6 | 134118.4 | 183122.1 | S |
| 147.433 | 0.0000 | 0.0000 | 82.377 | 0.02229 | 0.00000 | 319537.6 | 134119.1 | 183122.1 | S |
| 147.442 | 0.0000 | 0.0000 | 82.377 | 0.02228 | 0.00000 | 319537.6 | 134119.8 | 183122.1 | S |
| 147.450 | 0.0000 | 0.0000 | 82.377 | 0.02228 | 0.00000 | 319537.6 | 134120.5 | 183122.1 | S |
| 147.458 | 0.0000 | 0.0000 | 82.377 | 0.02228 | 0.00000 | 319537.6 | 134121.1 | 183122.1 | S |
| 147.467 | 0.0000 | 0.0000 | 82.377 | 0.02228 | 0.00000 | 319537.6 | 134121.8 | 183122.1 | S |
| 147.475 | 0,0000 | 0.0000 | 82.377 | 0.02227 | 0.00000 | 319537.6 | 134122.5 | 183122.1 | S |
| 147.483 | 0.0000 | 0.0000 | 82.377 | 0.02227 | 0.00000 | 319537.6 | 134123.1 | 183122.1 | S |
| 147.492 | 0.0000 | 0.0000 | 82.377 | 0.02227 | 0.00000 | 319537.6 | 134123.8 | 183122.1 | S |
| 147.500 | 0.0000 | 0.0000 | 82.377 | 0.02227 | 0.00000 | 319537.6 | 134124.5 | 183122.1 | S |
| 147.508 | 0.0000 | 0.0000 | 82.377 | 0.02226 | 0.00000 | 319537.6 | 134125.1 | 183122.1 | S |
| 147.517 | 0.0000 | 0.0000 | 82.376 | 0.02226 | 0.00000 | 319537.6 | 134125.8 | 183122.1 | S |
| 147.525 | 0.0000 | 0.0000 | 82.376 | 0.02226 | 0.00000 | 319537.6 | 134126.5 | 183122.1 | S |
| 147.533 | 0.0000 | 0.0000 | 82.376 | 0.02226 | 0.00000 | 319537.6 | 134127.1 | 183122.1 | S |
| 147.542 | 0.0000 | 0.0000 | 82.376 | 0.02225 | 0.00000 | 319537.6 | 134127.8 | 183122.1 | S |
| 147.550 | 0.0000 | 0.0000 | 82.376 | 0.02225 | 0.00000 | 319537.6 | 134128.5 | 183122.1 | S |
| 147.558 | 0.0000 | 0.0000 | 82.376 | 0.02225 | 0.00000 | 319537.6 | 134129.1 | 183122.1 | S |
| 147.567 | 0.0000 | 0.0000 | 82.376 | 0.02225 | 0.00000 | 319537.6 | 134129.8 | 183122.1 | S |
| 147.575 | 0.0000 | 0.0000 | 82.376 | 0.02225 | 0.00000 | 319537.6 | 134130.5 | 183122.1 | S |
| 147.583 | 0.0000 | 0.0000 | 82.376 | 0.02224 | 0.00000 | 319537.6 | 134131.1 | 183122.1 | S |
| 147.592 | 0.0000 | 0.0000 | 82.376 | 0.02224 | 0.00000 | 319537.6 | 134131.8 | 183122.1 | S |
| 147.600 | 0.0000 | 0.0000 | 82.375 | 0.02224 | 0.00000 | 319537.6 | 134132.5 | 183122.1 | S |
| 147.608 | 0.0000 | 0.0000 | 82.375 | 0.02224 | 0.00000 | 319537.6 | 134133.1 | 183122.1 | S |
| 147.617 | 0.0000 | 0.0000 | 82.375 | 0.02223 | 0.00000 | 319537.6 | 134133.8 | 183122.1 | S |
| 147.625 | 0.0000 | 0.0000 | 82.375 | 0.02223 | 0.00000 | 319537.6 | 134134.5 | 183122.1 | S |
| 147.633 | 0.0000 | 0.0000 | 82.375 | 0.02223 | 0.00000 | 319537.6 | 134135.1 | 183122.1 | S |
| 147.642 | 0.0000 | 0.0000 | 82.375 | 0.02223 | 0.00000 | 319537.6 | 134135.8 | 183122.1 | S |
| 147.650 | 0.0000 | 0.0000 | 82.375 | 0.02222 | 0.00000 | 319537.6 | 134136.5 | 183122.1 | S |
| 147.658 | 0.0000 | 0.0000 | 82.375 | 0.02222 | 0.00000 | 319537.6 | 134137.1 | 183122.1 | S |
| 147.667 | 0.0000 | 0.0000 | 82.375 | 0.02222 | 0.00000 | 319537.6 | 134137.8 | 183122.1 | S |
| 147.675 | 0.0000 | 0.0000 | 82.374 | 0.02222 | 0.00000 | 319537.6 | 134138.5 | 183122.1 | S |
| 147.683 | 0.0000 | 0.0000 | 82.374 | 0.02221 | 0.00000 | 319537.6 | 134139.1 | 183122.1 | S |
| 147.692 | 0.0000 | 0.0000 | 82.374 | 0.02221 | 0.00000 | 319537.6 | 134139.8 | 183122.1 | S |
| 147.700 | 0.0000 | 0.0000 | 82.374 | 0.02221 | 0.00000 | 319537.6 | 134140.5 | 183122.1 | S |
| 147.708 | 0.0000 | 0.0000 | 82.374 | 0.02221 | 0.00000 | 319537.6 | 134141.1 | 183122.1 | S |
| 147.717 | 0.0000 | 0.0000 | 82.374 | 0.02221 | 0.00000 | 319537.6 | 134141.8 | 183122.1 | S |
| 147.725 | 0.0000 | 0.0000 | 82.374 | 0.02220 | 0.00000 | 319537.6 | 134142.5 | 183122.1 | S |
| 147.733 | 0.0000 | 0.0000 | 82.374 | 0.02220 | 0.00000 | 319537.6 | 134143.1 | 183122.1 | S |
| 147.742 | 0.0000 | 0.0000 | 82.374 | 0.02220 | 0.00000 | 319537.6 | 134143.8 | 183122.1 | S |
| 147.750 | 0.0000 | 0.0000 | 82.374 | 0.02220 | 0.00000 | 319537.6 | 134144.5 | 183122.1 | S |
| 147.758 | 0.0000 | 0.0000 | 82.373 | 0.02219 | 0.00000 | 319537.6 | 134145.1 | 183122.1 | S |
| 147.767 | 0.0000 | 0.0000 | 82.373 | 0.02219 | 0.00000 | 319537.6 | 134145.8 | 183122.1 | S |
| 147.775 | 0.0000 | 0.0000 | 82.373 | 0.02219 | 0.00000 | 319537.6 | 134146.5 | 183122.1 | S |
| 147.783 | 0.0000 | 0.0000 | 82.373 | 0.02219 | 0.00000 | 319537.6 | 134147.1 | 183122.1 | S |
| 147.792 | 0.0000 | 0.0000 | 82.373 | 0.02218 | 0.00000 | 319537.6 | 134147.8 | 183122.1 | S |
| 147.800 | 0.0000 | 0.0000 | 82.373 | 0.02218 | 0.00000 | 319537.6 | 134148.5 | 183122.1 | S |
| 147.808 | 0.0000 | 0.0000 | 82.373 | 0.02218 | 0.00000 | 319537.6 | 134149.1 | 183122.1 | S |
| 147.817 | 0.0000 | 0.0000 | 82.373 | 0.02218 | 0.00000 | 319537.6 | 134149.8 | 183122.1 | S |
| 147.825 | 0.0000 | 0.0000 | 82.373 | 0.02217 | 0.00000 | 319537.6 | 134150.5 | 183122.1 | S |
| 147.833 | 0.0000 | 0.0000 | 82.372 | 0.02217 | 0.00000 | 319537.6 | 134151.1 | 183122.1 | S |
| 147.842 | 0.0000 | 0.0000 | 82.372 | 0.02217 | 0.00000 | 319537.6 | 134151.8 | 183122.1 | S |
| 147.850 | 0.0000 | 0.0000 | 82.372 | 0.02217 | 0.00000 | 319537.6 | 134152.5 | 183122.1 | S |
| 147.858 | 0.0000 | 0.0000 | 82.372 | 0.02217 | 0.00000 | 319537.6 | 134153.1 | 183122.1 | S |
| 147.867 | 0.0000 | 0.0000 | 82.372 | 0.02216 | 0.00000 | 319537.6 | 134153.8 | 183122.1 | S |
| 147.875 | 0.0000 | 0.0000 | 82.372 | 0.02216 | 0.00000 | 319537.6 | 134154.5 | 183122.1 | S |
| 147.883 | 0.0000 | 0.0000 | 82.372 | 0.02216 | 0.00000 | 319537.6 | 134155.1 | 183122.1 | S |
| 147.892 | 0.0000 | 0.0000 | 82.372 | 0.02216 | 0.00000 | 319537.6 | 134155.8 | 183122.1 | S |
| 147.900 | 0.0000 | 0.0000 | 82.372 | 0.02215 | 0.00000 | 319537.6 | 134156.4 | 183122.1 | S |
| 147.908 | 0.0000 | 0.0000 | 82.372 | 0.02215 | 0.00000 | 319537.6 | 134157.1 | 183122.1 | S |
| 147.917 | 0.0000 | 0.0000 | 82.371 | 0.02215 | 0.00000 | 319537.6 | 134157.8 | 183122.1 | S |
| 147.925 | 0.0000 | 0.0000 | 82.371 | 0.02215 | 0.00000 | 319537.6 | 134158.4 | 183122.1 | S |
| 147.933 | 0.0000 | 0.0000 | 82.371 | 0.02214 | 0.00000 | 319537.6 | 134159.1 | 183122.1 | S |
| 147.942 | 0.0000 | 0.0000 | 82.371 | 0.02214 | 0.00000 | 319537.6 | 134159.8 | 183122.1 | S |
| 147.950 | 0.0000 | 0.0000 | 82.371 | 0.02214 | 0.00000 | 319537.6 | 134160.4 | 183122.1 | S |
| 147.958 | 0.0000 | 0.0000 | 82.371 | 0.02214 | 0.00000 | 319537.6 | 134161.1 | 183122.1 | S |
| 147.967 | 0.0000 | 0.0000 | 82.371 | 0.02214 | 0.00000 | 319537.6 | 134161.8 | 183122.1 | S |
| 147.975 | 0.0000 | 0.0000 | 82.371 | 0.02213 | 0.00000 | 319537.6 | 134162.4 | 183122.1 | S |
| 147.983 | 0.0000 | 0.0000 | 82.371 | 0.02213 | 0.00000 | 319537.6 | 134163.1 | 183122.1 | S |
| 147.992 | 0.0000 | 0.0000 | 82.371 | 0.02213 | 0.00000 | 319537.6 | 134163.8 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | inflow Rate ( $\mathrm{f}^{3 /} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume $\left\{\mathrm{ft}^{3}\right.$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 148.000 | 0.0000 | 0.0000 | 82.370 | 0.02213 | 0.00000 | 319537.6 | 134164.4 | 183122.1 | S |
| 148.008 | 0.0000 | 0.0000 | 82.370 | 0.02212 | 0.00000 | 319537.6 | 134165.1 | 183122.1 | S |
| 148.017 | 0.0000 | 0.0000 | 82.370 | 0.02212 | 0.00000 | 319537.6 | 134165.7 | 183122.1 | S |
| 148.025 | 0.0000 | 0.0000 | 82.370 | 0.02212 | 0.00000 | 319537.6 | 134166.4 | 183122.1 | S |
| 148.033 | 0.0000 | 0.0000 | 82.370 | 0.02212 | 0.00000 | 319537.6 | 134167.1 | 183122.1 | S |
| 148.042 | 0.0000 | 0.0000 | 82.370 | 0.02211 | 0.00000 | 319537.6 | 134167.7 | 183122.1 | S |
| 148.050 | 0.0000 | 0.0000 | 82.370 | 0.02211 | 0.00000 | 319537.6 | 134168.4 | 183122.1 | S |
| 148.058 | 0.0000 | 0.0000 | 82.370 | 0.02211 | 0.00000 | 319537.6 | 134169.1 | 183122.1 | S |
| 148.067 | 0.0000 | 0.0000 | 82.370 | 0.02211 | 0.00000 | 319537.6 | 134169.7 | 183122.1 | S |
| 148.075 | 0.0000 | 0.0000 | 82.369 | 0.02210 | 0.00000 | 319537.6 | 134170.4 | 183122.1 | S |
| 148.083 | 0.0000 | 0.0000 | 82.369 | 0.02210 | 0.00000 | 319537.6 | 134171.0 | 183122.1 | S |
| 148.092 | 0.0000 | 0.0000 | 82.369 | 0.02210 | 0.00000 | 319537.6 | 134171.7 | 183122.1 | S |
| 148.100 | 0.0000 | 0.0000 | 82.369 | 0.02210 | 0.00000 | 319537.6 | 134172.4 | 183122.1 | S |
| 148.108 | 0.0000 | 0.0000 | 82.369 | 0.02210 | 0.00000 | 319537.6 | 134173.0 | 183122.1 | S |
| 148.117 | 0.0000 | 0.0000 | 82.369 | 0.02209 | 0.00000 | 319537.6 | 134173.7 | 183122.1 | S |
| 148.125 | 0.0000 | 0.0000 | 82.369 | 0.02209 | 0.00000 | 319537.6 | 134174.4 | 183122.1 | S |
| 148.133 | 0.0000 | 0.0000 | 82.369 | 0.02209 | 0.00000 | 319537.6 | 134175.0 | 183122.1 | S |
| 148.142 | 0.0000 | 0.0000 | 82.369 | 0.02209 | 0.00000 | 319537.6 | 134175.7 | 183122.1 | S |
| 148.150 | 0.0000 | 0.0000 | 82.369 | 0.02208 | 0.00000 | 319537.6 | 134176.3 | 183122.1 | S |
| 148.158 | 0.0000 | 0.0000 | 82.368 | 0.02208 | 0.00000 | 319537.6 | 134177.0 | 183122.1 | S |
| 148.167 | 0.0000 | 0.0000 | 82.368 | 0.02208 | 0.00000 | 319537.6 | 134177.7 | 183122.1 | S |
| 148.175 | 0.0000 | 0.0000 | 82.368 | 0.02208 | 0.00000 | 319537.6 | 134178.3 | 183122.1 | S |
| 148.183 | 0.0000 | 0.0000 | 82.368 | 0.02207 | 0.00000 | 319537.6 | 134179.0 | 183122.1 | S |
| 148.192 | 0.0000 | 0.0000 | 82.368 | 0.02207 | 0.00000 | 319537.6 | 134179.7 | 183122.1 | S |
| 148.200 | 0.0000 | 0.0000 | 82.368 | 0.02207 | 0.00000 | 319537.6 | 134180.3 | 183122.1 | S |
| 148.208 | 0.0000 | 0.0000 | 82.368 | 0.02207 | 0.00000 | 319537.6 | 134181.0 | 183122.1 | S |
| 148.217 | 0.0000 | 0.0000 | 82.368 | 0.02207 | 0.00000 | 319537.6 | 134181.6 | 183122.1 | S |
| 148.225 | 0.0000 | 0.0000 | 82.368 | 0.02206 | 0.00000 | 319537.6 | 134182.3 | 183122.1 | S |
| 148.233 | 0.0000 | 0.0000 | 82.368 | 0.02206 | 0.00000 | 319537.6 | 134183.0 | 183122.1 | S |
| 148.242 | 0.0000 | 0.0000 | 82.367 | 0.02206 | 0.00000 | 319537.6 | 134183.6 | 183122.1 | S |
| 148.250 | 0.0000 | 0.0000 | 82.367 | 0.02206 | 0.00000 | 319537.6 | 134184.3 | 183122.1 | S |
| 148.258 | 0.0000 | 0.0000 | 82.367 | 0.02205 | 0.00000 | 319537.6 | 134185.0 | 183122.1 | S |
| 148.267 | 0.0000 | 0.0000 | 82.367 | 0.02205 | 0.00000 | 319537.6 | 134185.6 | 183122.1 | S |
| 148.275 | 0.0000 | 0.0000 | 82.367 | 0.02205 | 0.00000 | 319537.6 | 134186.3 | 183122.1 | S |
| 148.283 | 0.0000 | 0.0000 | 82.367 | 0.02205 | 0.00000 | 319537.6 | 134186.9 | 183122.1 | S |
| 148.292 | 0.0000 | 0.0000 | 82.367 | 0.02204 | 0.00000 | 319537.6 | 134187.6 | 183122.1 | S |
| 148.300 | 0.0000 | 0.0000 | 82.367 | 0.02204 | 0.00000 | 319537.6 | 134188.3 | 183122.1 | S |
| 148.308 | 0.0000 | 0.0000 | 82.367 | 0.02204 | 0.00000 | 319537.6 | 134188.9 | 183122.1 | 5 |
| 148.317 | 0.0000 | 0.0000 | 82.366 | 0.02204 | 0.00000 | 319537.6 | 134189.6 | 183122.1 | S |
| 148.325 | 0.0000 | 0.0000 | 82.366 | 0.02204 | 0.00000 | 319537.6 | 134190.3 | 183122.1 | S |
| 148.333 | 0.0000 | 0.0000 | 82.366 | 0.02203 | 0.00000 | 319537.6 | 134190.9 | 183122.1 | S |
| 148.342 | 0.0000 | 0.0000 | 82.366 | 0.02203 | 0.00000 | $3 ¢ 9537.6$ | 134191.6 | 183122.1 | S |
| 148.350 | 0.0000 | 0.0000 | 82.366 | 0.02203 | 0.00000 | 319537.6 | 134192.2 | 183122. | S |
| 148.358 | 0.0000 | 0.0000 | 82.366 | 0.02203 | 0.00000 | 319537.6 | 134192.9 | 183122.1 | S |
| 148.367 | 0.0000 | 0.0000 | 82.366 | 0.02202 | 0.00000 | 319537.6 | 134193.5 | 183122.1 | S |
| 148.375 | 0.0000 | 0.0000 | 82.366 | 0.02202 | 0.00000 | 319537.6 | 134194.2 | 183122.1 | S |
| 148.383 | 0.0000 | 0.0000 | 82.366 | 0.02202 | 0.00000 | 319537.6 | 134194.9 | 183122.1 | S |
| 148.392 | 0.0000 | 0.0000 | 82.366 | 0.02202 | 0.00000 | 319537.6 | 134195.5 | 183122.1 | S |
| 148.400 | 0.0000 | 0.0000 | 82.365 | 0.02201 | 0.00000 | 319537.6 | 134196.2 | 183122.1 | S |
| 148.408 | 0.0000 | 0.0000 | 82.365 | 0.02201 | 0.00000 | 319537.6 | 134196.8 | 183122.1 | S |
| 148.417 | 0.0000 | 0.0000 | 82.365 | 0.02201 | 0.00000 | 319537.6 | 134197.5 | 183122.1 | S |
| 148.425 | 0.0000 | 0.0000 | 82.365 | 0.02201 | 0.00000 | 319537.6 | 134198.2 | 183122.1 | S |
| 148.433 | 0.0000 | 0.0000 | 82.365 | 0.02201 | 0.00000 | 319537.6 | 134198.8 | 183122.1 | S |
| 148.442 | 0.0000 | 0.0000 | 82.365 | 0.02200 | 0.00000 | 319537.6 | 134199.5 | 183122.1 | S |
| 148.450 | 0.0000 | 0.0000 | 82.365 | 0.02200 | 0.00000 | 319537.6 | 134200.2 | 183122.1 | S |
| 148.458 | 0.0000 | 0.0000 | 82.365 | 0.02200 | 0.00000 | 319537.6 | 134200.8 | 183122.1 | S |
| 148.467 | 0.0000 | 0.0000 | 82.365 | 0.02200 | 0.00000 | 319537.6 | 134201.5 | 183122.1 | S |
| 148.475 | 0.0000 | 0.0000 | 82.365 | 0.02199 | 0.00000 | 319537.6 | 134202.1 | 183122.1 | S |
| 148.483 | 0.0000 | 0.0000 | 82.364 | 0.02199 | 0.00000 | 319537.6 | 134202.8 | 183122.1 | S |
| 148.492 | 0.0000 | 0.0000 | 82.364 | 0.02199 | 0.00000 | 319537.6 | 134203.5 | 183122.1 | S |
| 148.500 | 0.0000 | 0.0000 | 82.364 | 0.02199 | 0.00000 | 319537.6 | 734204.1 | 183122.1 | S |
| 148.508 | 0.0000 | 0.0000 | 82.364 | 0.02198 | 0.00000 | 319537.6 | 134204.8 | 183122.1 | S |
| 148.517 | 0.0000 | 0.0000 | 82.364 | 0.02198 | 0.00000 | 319537.6 | 134205.4 | 183122.1 | S |
| 148.525 | 0.0000 | 0.0000 | 82.364 | 0.02198 | 0.00000 | 319537.6 | 134206.1 | 183122.1 | S |
| 148.533 | 0.0000 | 0.0000 | 82.364 | 0.02198 | 0.00000 | 319537.6 | 134206.8 | 183122.1 | S |
| 148.542 | 0.0000 | 0.0000 | 82.364 | 0.02198 | 0.00000 | 319537.6 | 134207.4 | 183122.7 | S |
| 148.550 | 0.0000 | 0.0000 | 82.364 | 0.02197 | 0.00000 | 319537.6 | 134208.1 | 183122.1 | S |
| 148.558 | 0.0000 | 0.0000 | 82.363 | 0.02197 | 0.00000 | 319537.6 | 134208.7 | 183122.1 | S |
| 148.567 | 0.0000 | 0.0000 | 82.363 | 0.02197 | 0.00000 | 319537.6 | 134209.4 | 183122.1 | S |
| \$48.575 | 0.0000 | 0.0000 | 82.363 | 0.02197 | 0.00000 | 319537.6 | 134210.0 | 183122.1 | S |
| 148.583 | 0.0000 | 0.0000 | 82.363 | 0.02196 | 0.00000 | 319537.6 | 134210.7 | 183122.1 | S |
| 148.592 | 0.0000 | 0.0000 | 82.363 | 0.02196 | 0.00000 | 319537.6 | 134211.4 | 183122.1 | S |
| 148.600 | 0.0000 | 0.0000 | 82.363 | 0.02196 | 0.00000 | 319537.6 | 134212.0 | 183122.1 | S |
| 148.608 | 0.0000 | 0.0000 | 82.363 | 0.02196 | 0.00000 | 319537.6 | 134212.7 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{tt}^{3 / \mathrm{s}}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infilitration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overtlow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ff}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 148.617 | 0.0000 | 0.0000 | 82.363 | 0.02195 | 0.00000 | 319537.6 | 134213.3 | 183122.1 | S |
| 148.625 | 0.0000 | 0.0000 | 82.363 | 0.02195 | 0.00000 | 319537.6 | 134214.0 | 183122.1 | S |
| 148.633 | 0.0000 | 0.0000 | 82.363 | 0.02195 | 0.00000 | 319537.6 | 134214.7 | 183122.1 | S |
| 148.642 | 0.0000 | 0.0000 | 82.362 | 0.02195 | 0.00000 | 319537.6 | 134215.3 | 183122.1 | S |
| 148.650 | 0.0000 | 0.0000 | 82.362 | 0.02195 | 0.00000 | 319537.6 | 134216.0 | 183122.1 | S |
| 148.658 | 0.0000 | 0.0000 | 82.362 | 0.02194 | 0.00000 | 319537.6 | 134216.6 | 183122.1 | S |
| 148.667 | 0.0000 | 0.0000 | 82.362 | 0.02194 | 0.00000 | 319537.6 | 134217.3 | 183122.1 | S |
| 148.675 | 0.0000 | 0.0000 | 82.362 | 0.02194 | 0.00000 | 319537.6 | \$34218.0 | 183122.1 | S |
| 148.683 | 0.0000 | 0.0000 | 82.362 | 0.02194 | 0.00000 | 319537.6 | 134218.6 | 183122.1 | S |
| 148.692 | 0.0000 | 0.0000 | 82.362 | 0.02193 | 0.00000 | 319537.6 | 134219.3 | 183722.1 | S |
| 148.700 | 0.0000 | 0.0000 | 82.362 | 0.02193 | 0.00000 | 319537.6 | 134219.9 | 183122.1 | S |
| 148.708 | 0.0000 | 0.0000 | 82.362 | 0.02193 | 0.00000 | 319537.6 | 134220.6 | 183122.1 | S |
| 148.717 | 0.0000 | 0.0000 | 82.362 | 0.02193 | 0.00000 | 319537.6 | 134221.2 | 183122.1 | S |
| 148.725 | 0.0000 | 0.0000 | 82.361 | 0.02192 | 0.00000 | 319537.6 | 134221.9 | 183122.1 | S |
| 148.733 | 0.0000 | 0.0000 | 82.361 | 0.02192 | 0.00000 | 319537.6 | 134222.5 | 183122.1 | S |
| 148.742 | 0.0000 | 0.0000 | 82.361 | 0.02192 | 0.00000 | 319537.6 | 134223.2 | 183122.1 | S |
| 148.750 | 0.0000 | 0.0000 | 82.361 | 0.02192 | 0.00000 | 319537.6 | 134223.9 | 183122.1 | S |
| 148.758 | 0.0000 | 0.0000 | 82.361 | 0.02192 | 0.00000 | 319537.6 | 134224.5 | 183122.1 | S |
| 148.767 | 0.0000 | 0.0000 | 82.361 | 0.02191 | 0.00000 | 319537.6 | 134225.2 | 183122.1 | S |
| 148.775 | 0.0000 | 0.0000 | 82.361 | 0.02191 | 0.00000 | 319537.6 | 134225.8 | 183122.1 | S |
| 148.783 | 0.0000 | 0.0000 | 82.361 | 0.02191 | 0.00000 | 319537.6 | 134226.5 | 183122.1 | S |
| 148.792 | 0.0000 | 0.0000 | 82.361 | 0.02191 | 0.00000 | 319537.6 | 134227.2 | 183122.1 | S |
| 148.800 | 0.0000 | 0.0000 | 82.360 | 0.02190 | 0.00000 | 319537.6 | 134227.8 | 183122.1 | S |
| 148.808 | 0.0000 | 0.0000 | 82.360 | 0.02190 | 0.00000 | 319537.6 | 134228.5 | 183122.1 | S |
| 148.817 | 0.0000 | 0.0000 | 82.360 | 0.02190 | 0.00000 | 319537.6 | 134229.1 | 183122.1 | S |
| 148.825 | 0.0000 | 0.0000 | 82.360 | 0.02190 | 0.00000 | 319537.6 | 134229.8 | 183122.1 | S |
| 148.833 | 0.0000 | 0.0000 | 82.360 | 0.02189 | 0.00000 | 319537.6 | 134230.4 | 183122.1 | S |
| 148.842 | 0.0000 | 0.0000 | 82.360 | 0.02189 | 0.00000 | 319537.6 | 134231.1 | 183122.1 | S |
| 148.850 | 0.0000 | 0.0000 | 82.360 | 0.02189 | 0.00000 | 319537.6 | 134231.8 | 183122.1 | S |
| 148.858 | 0.0000 | 0.0000 | 82.360 | 0.02189 | 0.00000 | 319537.6 | \$34232.4 | 183122.1 | S |
| 148.867 | 0.0000 | 0.0000 | 82.360 | 0.02189 | 0.00000 | 319537.6 | 134233.1 | 183122.1 | S |
| 148.875 | 0.0000 | 0.0000 | 82.360 | 0.02188 | 0.00000 | 319537.6 | 134233.7 | 183122.1 | S |
| 148.883 | 0.0000 | 0.0000 | 82.359 | 0.02188 | 0.00000 | 319537.6 | 134234.4 | 183122.1 | S |
| 148.892 | 0.0000 | 0.0000 | 82.359 | 0.02188 | 0.00000 | 319537.6 | 134235.0 | 183122.1 | S |
| 148.900 | 0.0000 | 0.0000 | 82.359 | 0.02188 | 0.00000 | 319537.6 | 134235.7 | 183122.1 | S |
| 148.908 | 0.0000 | 0.0000 | 82.359 | 0.02187 | 0.00000 | 319537.6 | 134236.3 | 183122.1 | S |
| 148.917 | 0.0000 | 0.0000 | 82.359 | 0.02187 | 0.00000 | 319537.6 | 134237.0 | 183122.1 | S |
| 148.925 | 0.0000 | 0.0000 | 82.359 | 0.02187 | 0.00000 | 319537.6 | 134237.7 | 183122.1 | S |
| 148.933 | 0.0000 | 0.0000 | 82.359 | 0.02187 | 0.00000 | 319537.6 | 134238.3 | 183122.1 | S |
| 148.942 | 0.0000 | 0.0000 | 82.359 | 0.02186 | 0.00000 | 319537.6 | 134239.0 | 183122.1 | S |
| 148.950 | 0.0000 | 0.0000 | 82.359 | 0.02186 | 0.00000 | 319537.6 | 134239.6 | 183122.1 | S |
| 148.958 | 0.0000 | 0.0000 | 82.359 | 0.02186 | 0.00000 | 319537.6 | \$34240.3 | 183122.1 | S |
| 148.967 | 0.0000 | 0.0000 | 82.358 | 0.02186 | 0.00000 | 319537.6 | 134240.9 | 183122.1 | S |
| 148.975 | 0.0000 | 0.0000 | 82.358 | 0.02186 | 0.00000 | 319537.6 | 134241.6 | 183122.1 | S |
| 148.983 | 0.0000 | 0.0000 | 82.358 | 0.02185 | 0.00000 | 319537.6 | 134242.3 | 183122.1 | S |
| 148.992 | 0.0000 | 0.0000 | 82.358 | 0.02185 | 0.00000 | 319537.6 | 134242.9 | 183122.1 | S |
| 149.000 | 0.0000 | 0.0000 | 82.358 | 0.02185 | 0.00000 | 319537.6 | 134243.6 | 183122.1 | S |
| 149.008 | 0.0000 | 0.0000 | 82.358 | 0.02185 | 0.00000 | 319537.6 | 134244.2 | 183122.1 | S |
| 149.017 | 0.0000 | 0.0000 | 82.358 | 0.02184 | 0.00000 | 319537.6 | 134244.9 | 183122.1 | S |
| 149.025 | 0.0000 | 0.0000 | 82.358 | 0.02184 | 0.00000 | 319537.6 | 134245.5 | 183122.1 | S |
| 149.033 | 0.0000 | 0.0000 | 82.358 | 0.02184 | 0.00000 | 319537.6 | 134246.2 | 183122.1 | S |
| 149.042 | 0.0000 | 0.0000 | 82.357 | 0.02184 | 0.00000 | 319537.6 | 134246.8 | 183122.1 | S |
| 149.050 | 0.0000 | 0.0000 | 82.357 | 0.02184 | 0.00000 | 319537.6 | 134247.5 | 183122.1 | S |
| 149.058 | 0.0000 | 0.0000 | 82.357 | 0.02183 | 0.00000 | 319537.6 | 134248.2 | 183122.1 | S |
| 149.067 | 0.0000 | 0.0000 | 82.357 | 0.02183 | 0.00000 | 319537.6 | 134248.8 | 183122.1 | S |
| 149.075 | 0.0000 | 0.0000 | 82.357 | 0.02183 | 0.00000 | 319537.6 | 134249.5 | 183122.1 | S |
| 149.083 | 0.0000 | 0.0000 | 82.357 | 0.02183 | 0.00000 | 319537.6 | 134250.1 | 183122.1 | S |
| 149.092 | 0.0000 | 0.0000 | 82.357 | 0.02182 | 0.00000 | 319537.6 | 134250.8 | 183122.1 | S |
| 149.100 | 0.0000 | 0.0000 | 82.357 | 0.02182 | 0.00000 | 319537.6 | 134251.4 | 183122.1 | S |
| 149.108 | 0.0000 | 0.0000 | 82.357 | 0.02182 | 0.00000 | 319537.6 | 134252.1 | 183122.1 | S |
| 149.117 | 0.0000 | 0.0000 | 82.357 | 0.02182 | 0.00000 | 319537.6 | 134252.7 | 183122.1 | S |
| 149.125 | 0.0000 | 0.0000 | 82.356 | 0.02181 | 0.00000 | 319537.6 | 134253.4 | 183122.1 | S |
| 149.133 | 0.0000 | 0.0000 | 82.356 | 0.02181 | 0.00000 | 319537.6 | 134254.0 | 183122.1 | S |
| 149.142 | 0.0000 | 0.0000 | 82.356 | 0.02181 | 0.00000 | 319537.6 | 134254.7 | 183122.1 | S |
| 149.150 | 0.0000 | 0.0000 | 82.356 | 0.02181 | 0.00000 | 319537.6 | 134255.3 | 183122.1 | S |
| 149.158 | 0.0000 | 0.0000 | 82.356 | 0.02181 | 0.00000 | 319537.6 | 134256.0 | 183122.1 | S |
| 149.167 | 0.0000 | 0.0000 | 82.356 | 0.02180 | 0.00000 | 319537.6 | 134256.7 | 183122.1 | S |
| 149.175 | 0.0000 | 0.0000 | 82.356 | 0.02180 | 0.00000 | 319537.6 | 134257.3 | $183\} 22.1$ | S |
| 149.183 | 0.0000 | 0.0000 | 82.356 | 0.02180 | 0.00000 | 319537.6 | 134258.0 | 183122.1 | S |
| 149.192 | 0.0000 | 0.0000 | 82.356 | 0.02180 | 0.00000 | 319537.6 | 134258.6 | 183122.1 | S |
| 149.200 | 0.0000 | 0.0000 | 82.356 | 0.02179 | 0.00000 | 319537.6 | 134259.3 | 183122.1 | S |
| 149.208 | 0.0000 | 0.0000 | 82.355 | 0.02179 | 0.00000 | 319537.6 | 134259.9 | 183122.1 | S |
| 149.217 | 0.0000 | 0.0000 | 82.355 | 0.02179 | 0.00000 | 319537.6 | 134260.6 | 183122.1 | S |
| 149.225 | 0.0000 | 0.0000 | 82.355 | 0.02179 | 0.00000 | 319537.6 | 134261.2 | 183122.1 | S |

PONDS Version 3.2.0207

# Retention Pond Recovery - Refined Method Copyright 2003 

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infittration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 149.233 | 0.0000 | 0.0000 | 82.355 | 0.02178 | 0.00000 | 319537.6 | 134261.9 | 183122.1 | S |
| 149.242 | 0.0000 | 0.0000 | 82.355 | 0.02178 | 0.00000 | 319537.6 | 134262.5 | 183122.1 | S |
| 149.250 | 0.0000 | 0.0000 | 82.355 | 0.02178 | 0.00000 | 319537.6 | 134263.2 | 183122.1 | S |
| 149.258 | 0.0000 | 0.0000 | 82.355 | 0.02178 | 0.00000 | 319537.6 | 134263.8 | 183122.1 | S |
| 149.267 | 0.0000 | 0.0000 | 82.355 | 0.02178 | 0.00000 | 319537.6 | 134264.5 | 183122.1 | S |
| 149.275 | 0.0000 | 0.0000 | 82.355 | 0.02177 | 0.00000 | 319537.6 | 134265.2 | 183122.1 | S |
| 149.283 | 0.0000 | 0.0000 | 82.355 | 0.02177 | 0.00000 | 319537.6 | 134265.8 | 183122.1 | S |
| 149.292 | 0.0000 | 0.0000 | 82.354 | 0.02177 | 0.00000 | 319537.6 | 134266.5 | 183122.1 | S |
| 149.300 | 0.0000 | 0.0000 | 82.354 | 0.02177 | 0.00000 | 319537.6 | 134267.1 | 183122.1 | S |
| 149.308 | 0.0000 | 0.0000 | 82.354 | 0.02176 | 0.00000 | 319537.6 | 134267.8 | 183122.1 | S |
| 149.317 | 0.0000 | 0.0000 | 82.354 | 0.02176 | 0.00000 | 319537.6 | 134268.4 | 183122.1 | S |
| 149.325 | 0.0000 | 0.0000 | 82.354 | 0.02176 | 0.00000 | 319537.6 | 134269.1 | 183122.1 | S |
| 149,333 | 0.0000 | 0.0000 | 82.354 | 0.02176 | 0.00000 | 319537.6 | 134269.7 | 183122.1 | S |
| 149.342 | 0.0000 | 0.0000 | 82.354 | 0.02176 | 0.00000 | 319537.6 | 134270.4 | 183122.1 | S |
| 149.350 | 0.0000 | 0.0000 | 82.354 | 0.02175 | 0.00000 | 319537.6 | 134271.0 | 183122.1 | S |
| 149.358 | 0.0000 | 0.0000 | 82.354 | 0.02175 | 0.00000 | 319537.6 | 134271.7 | 183122.1 | S |
| 149.367 | 0.0000 | 0.0000 | 82.353 | 0.02175 | 0.00000 | 319537.6 | 134272.3 | 183122.1 | S |
| 149.375 | 0.0000 | 0.0000 | 82.353 | 0.02175 | 0.00000 | 319537.6 | 134273.0 | 183122.1 | S |
| 149.383 | 0.0000 | 0.0000 | 82.353 | 0.02174 | 0.00000 | 319537.6 | 134273.6 | 183122.1 | S |
| 149.392 | 0.0000 | 0.0000 | 82.353 | 0.02174 | 0.00000 | 319537.6 | 134274.3 | 183122.1 | S |
| 149.400 | 0.0000 | 0.0000 | 82.353 | 0.02174 | 0.00000 | 319537.6 | 134275.0 | 183122.1 | S |
| 149.408 | 0.0000 | 0.0000 | 82.353 | 0.02174 | 0.00000 | 319537.6 | 134275.6 | 183122.1 | S |
| 149.417 | 0.0000 | 0.0000 | 82.353 | 0.02173 | 0.00000 | 319537.6 | 134276.3 | 183122.1 | S |
| 149.425 | 0.0000 | 0.0000 | 82.353 | 0.02173 | 0.00000 | 319537.6 | 134276.9 | 183122.1 | S |
| 149.433 | 0.0000 | 0.0000 | 82.353 | 0.02173 | 0.00000 | 319537.6 | 134277.5 | 183122.1 | S |
| 149.442 | 0.0000 | 0.0000 | 82.353 | 0.02173 | 0.00000 | 319537.6 | 134278.2 | 183122.1 | S |
| 149.450 | 0.0000 | 0.0000 | 82.352 | 0.02173 | 0.00000 | 319537.6 | 134278.9 | 183122.1 | S |
| 149.458 | 0.0000 | 0.0000 | 82.352 | 0.02172 | 0.00000 | 319537.6 | 134279.5 | 183122.1 | S |
| 149.467 | 0.0000 | 0.0000 | 82.352 | 0.02172 | 0.00000 | 319537.6 | 134280.2 | 183122.1 | S |
| 149.475 | 0.0000 | 0.0000 | 82.352 | 0.02172 | 0.00000 | 319537.6 | 134280.8 | 183122.1 | S |
| 149.483 | 0.0000 | 0.0000 | 82.352 | 0.02172 | 0.00000 | 319537.6 | 134281.5 | 183122.1 | S |
| 149.492 | 0.0000 | 0.0000 | 82.352 | 0.02171 | 0.00000 | 319537.6 | 134282.1 | 183122.1 | S |
| 149.500 | 0.0000 | 0.0000 | 82.352 | 0.02171 | 0.00000 | 319537.6 | 134282.8 | 183122.1 | S |
| 149.508 | 0.0000 | 0.0000 | 82.352 | 0.02171 | 0.00000 | 319537.6 | 134283.4 | 183122.1 | S |
| 149.517 | 0.0000 | 0.0000 | 82.352 | 0.02171 | 0.00000 | 319537.6 | 134284.1 | 183122.1 | S |
| 149.525 | 0.0000 | 0.0000 | 82.352 | 0.02171 | 0.00000 | 319537.6 | 134284.7 | 183122.1 | S |
| 149.533 | 0.0000 | 0.0000 | 82.351 | 0.02170 | 0.00000 | 319537.6 | 134285.4 | 183122.1 | S |
| 149.542 | 0.0000 | 0.0000 | 82.351 | 0.02170 | 0.00000 | 319537.6 | 134286.0 | 183122.1 | S |
| 149.550 | 0.0000 | 0.0000 | 82.351 | 0.02170 | 0.00000 | 319537.6 | 134286.7 | 183122.1 | S |
| 148.558 | 0.0000 | 0.0000 | 82.351 | 0.02170 | 0.00000 | 319537.6 | 134287.3 | 183122.1 | S |
| 149.567 | 0.0000 | 0.0000 | 82.351 | 0.02169 | 0.00000 | 319537.6 | 134288.0 | 183122.1 | S |
| 149.575 | 0.0000 | 0.0000 | 82.351 | 0.02169 | 0.00000 | 319537.6 | 134288.6 | 183122.1 | S |
| 149.583 | 0.0000 | 0.0000 | 82.351 | 0.02169 | 0.00000 | 319537.6 | 134289.3 | 183122.1 | S |
| 149.592 | 0.0000 | 0.0000 | 82.351 | 0.02169 | 0.00000 | 319537.6 | 134289.9 | 183122.1 | S |
| 149.600 | 0.0000 | 0.0000 | 82.351 | 0.02168 | 0.00000 | 319537.6 | 134290.6 | 183122.1 | S |
| 149.608 | 0.0000 | 0.0000 | 82.351 | 0.02168 | 0.00000 | 319537.6 | 134291.2 | 183122.1 | S |
| 149.617 | 0.0000 | 0.0000 | 82.350 | 0.02168 | 0.00000 | 319537.6 | 134291.9 | 183122.1 | S |
| 149.625 | 0.0000 | 0.0000 | 82.350 | 0.02168 | 0.00000 | 319537.6 | 134292.5 | 183122.1 | S |
| 149.633 | 0.0000 | 0.0000 | 82.350 | 0.02168 | 0.00000 | 319537.6 | 134293.2 | 183122.1 | S |
| 149.642 | 0.0000 | 0.0000 | 82.350 | 0.02167 | 0.00000 | 319537.6 | 134293.8 | 183122.1 | S |
| 149.650 | 0.0000 | 0.0000 | 82.350 | 0.02167 | 0.00000 | 319537.6 | 134294.5 | 183 122.1 | S |
| 149.658 | 0.0000 | 0.0000 | 82.350 | 0.02167 | 0.00000 | 319537.6 | 134295.1 | 183 亿22.1 | S |
| 149.667 | 0.0000 | 0.0000 | 82.350 | 0.02167 | 0.00000 | 319537.6 | 134295.8 | 183122.1 | S |
| 149.675 | 0.0000 | 0.0000 | 82.350 | 0.02166 | 0.00000 | 319537.6 | 134296.4 | 183122.1 | S |
| 149.683 | 0.0000 | 0.0000 | 82.350 | 0.02166 | 0.00000 | 319537.6 | 134297.1 | 183122.7 | S |
| 149.692 | 0.0000 | 0.0000 | 82.349 | 0.02166 | 0.00000 | 319537.6 | 134297.7 | 183122.1 | S |
| 149.700 | 0.0000 | 0.0000 | 82.349 | 0.02166 | 0.00000 | 319537.6 | 134298.4 | 183122.1 | S |
| 149.708 | 0.0000 | 0.0000 | 82.349 | 0.02166 | 0.00000 | 319537.6 | 134299.0 | 183122.1 | S |
| 149.717 | 0.0000 | 0.0000 | 82.349 | 0.02165 | 0.00000 | 319537.6 | 134299.7 | 183122.1 | S |
| 149.725 | 0.0000 | 0.0000 | 82.349 | 0.02165 | 0.00000 | 319537.6 | 134300.3 | 183122.1 | S |
| 149.733 | 0.0000 | 0.0000 | 82.349 | 0.02165 | 0.00000 | 319537.6 | 134301.0 | 183122.1 | S |
| 149.742 | 0.0000 | 0.0000 | 82.349 | 0.02165 | 0.00000 | 319537.6 | 134301.6 | 183122.1 | S |
| 149.750 | 0.0000 | 0.0000 | 82.349 | 0.02164 | 0.00000 | 319537.6 | 134302.3 | 183122.1 | S |
| 149.758 | 0.0000 | 0.0000 | 82.349 | 0.02164 | 0.00000 | 319537.6 | 134302.9 | 183122.1 | S |
| 149.767 | 0.0000 | 0.0000 | 82.349 | 0.02164 | 0.00000 | 319537.6 | 134303.6 | 183122.1 | S |
| 149.775 | 0.0000 | 0.0000 | 82.348 | 0.02164 | 0.00000 | 319537.6 | 134304.2 | 183122.1 | S |
| 149.783 | 0.0000 | 0.0000 | 82.348 | 0.02164 | 0.00000 | 319537.6 | 134304.9 | 183122.1 | S |
| 149.792 | 0.0000 | 0.0000 | 82.348 | 0.02163 | 0.00000 | 319537.6 | 134305.5 | 183122.1 | S |
| 149.800 | 0.0000 | 0.0000 | 82.348 | 0.02163 | 0.00000 | 319537.6 | 134306.2 | 183122.1 | S |
| 149.808 | 0.0000 | 0.0000 | 82.348 | 0.02163 | 0.00000 | 319537.6 | 134306.8 | 183122.1 | S |
| 149.817 | 0.0000 | 0.0000 | 82.348 | 0.02163 | 0.00000 | 319537.6 | 134307.5 | 183122.1 | S |
| 149.825 | 0.0000 | 0.0000 | 82.348 | 0.02162 | 0.00000 | 319537.6 | 134308.1 | 183122.1 | S |
| 149.833 | 0.0000 | 0.0000 | 82.348 | 0.02162 | 0.00000 | 319537.6 | 134308.8 | 183122.1 | S |
| 149.842 | 0.0000 | 0.0000 | 82.348 | 0.02162 | 0.00000 | 319537.6 | 134309.4 | 183122.1 | S |

# PONDS Version 3.2.0207 <br> Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E. 

Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / 1 /}$ ) | Overfiow Discharge ( $\mathrm{ft}^{3 / 1 / 5}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 149.850 | 0,0000 | 0.0000 | 82.348 | 0.02162 | 0.00000 | 319537.6 | 134310.1 | 183122.1 | S |
| 149.858 | 0.0000 | 0.0000 | 82.347 | 0.02162 | 0.00000 | 319537.6 | $\$ 34310.7$ | 183122.1 | S |
| 149.867 | 0.0000 | 0.0000 | 82.347 | 0.02161 | 0.00000 | 319537.6 | 134311.4 | 183122.1 | S |
| 149.875 | 0.0000 | 0.0000 | 82,347 | 0.02161 | 0.00000 | 319537.6 | 134312.0 | 183122.1 | S |
| 149.883 | 0.0000 | 0.0000 | 82.347 | 0.02161 | 0.00000 | 319537.6 | 134312.7 | 183122.1 | S |
| 149.892 | 0.0000 | 0.0000 | 82.347 | 0.02161 | 0.00000 | 319537.6 | 134313.3 | 183122.1 | S |
| 149.900 | 0.0000 | 0.0000 | 82.347 | 0.02160 | 0.00000 | 319537.6 | 134314.0 | 183122.1 | S |
| 149.908 | 0.0000 | 0.0000 | 82.347 | 0.02160 | 0.00000 | 319537.6 | 134314.6 | 183122.1 | S |
| 149.917 | 0.0000 | 0.0000 | 82.347 | 0.02160 | 0.00000 | 319537.6 | 134315.3 | 183122.1 | S |
| 149.925 | 0.0000 | 0.0000 | 82.347 | 0.02160 | 0.00000 | 319537.6 | 134315.9 | 183122.1 | S |
| 149.933 | 0.0000 | 0.0000 | 82.347 | 0.02159 | 0.00000 | 319537.6 | 134316.5 | 183122.1 | S |
| 149.942 | 0.0000 | 0.0000 | 82.346 | 0.02159 | 0.00000 | 319537.6 | 134317.2 | 183122.1 | S |
| 149.950 | 0.0000 | 0.0000 | 82.346 | 0.02159 | 0.00000 | 319537.6 | 134317.8 | 183122.1 | S |
| 149.958 | 0.0000 | 0.0000 | 82.346 | 0.02159 | 0.00000 | 319537.6 | 134318.5 | 183122.1 | S |
| 149.967 | 0.0000 | 0.0000 | 82.346 | 0.02159 | 0.00000 | 319537.6 | 134319.1 | 183122.1 | S |
| 149.975 | 0.0000 | 0.0000 | 82.346 | 0.02158 | 0.00000 | 319537.6 | 134319.8 | 183122.1 | S |
| 149.983 | 0.0000 | 0.0000 | 82.346 | 0.02158 | 0.00000 | 319537.6 | 134320.4 | 183122.1 | S |
| 149.992 | 0.0000 | 0.0000 | 82.346 | 0.02158 | 0.00000 | 319537.6 | 134321.1 | 183122.4 | S |
| 150.000 | 0.0000 | 0.0000 | 82.346 | 0.02158 | 0.00000 | 319537.6 | 134321.7 | 183122.1 | S |
| 150.008 | 0.0000 | 0.0000 | 82.346 | 0.02157 | 0.00000 | 319537.6 | 134322.4 | 183122.1 | S |
| 150.017 | 0.0000 | 0.0000 | 82.346 | 0.02157 | 0.00000 | 319537.6 | 134323.0 | 183122.1 | S |
| 150.025 | 0.0000 | 0.0000 | 82.345 | 0.02157 | 0.00000 | 319537.6 | 134323.7 | 183122.1 | S |
| 150.033 | 0.0000 | 0.0000 | 82.345 | 0.02157 | 0.00000 | 319537.6 | 134324.3 | 183122.1 | S |
| 150.042 | 0.0000 | 0.0000 | 82.345 | 0.02157 | 0.00000 | 319537.6 | 134325.0 | 183122.1 | S |
| 150.050 | 0.0000 | 0.0000 | 82.345 | 0.02156 | 0.00000 | 319537.6 | 134325.6 | 183122.1 | S |
| 150.058 | 0.0000 | 0.0000 | 82.345 | 0.02156 | 0.00000 | 319537.6 | 134326.3 | 183122.1 | S |
| 150.067 | 0.0000 | 0.0000 | 82.345 | 0.02156 | 0.00000 | 319537.6 | 134326.9 | 183122.1 | S |
| 150.075 | 0.0000 | 0.0000 | 82.345 | 0.02156 | 0.00000 | 319537.6 | 134327.5 | 183122.1 | S |
| 150.083 | 0.0000 | 0.0000 | 82.345 | 0.02155 | 0.00000 | 319537.6 | 134328.2 | 183122.1 | S |
| 150.092 | 0.0000 | 0.0000 | 82.345 | 0.02155 | 0.00000 | 319537.6 | 134328.8 | 183122.1 | S |
| 150.100 | 0.0000 | 0.0000 | 82.344 | 0.02155 | 0.00000 | 319537.6 | 134329.5 | 183122.1 | S |
| 150.108 | 0.0000 | 0.0000 | 82.344 | 0.02155 | 0.00000 | 319537.6 | 134330.1 | 183122.1 | S |
| 150.117 | 0.0000 | 0.0000 | 82.344 | 0.02155 | 0.00000 | 319537.6 | 134330.8 | 183122.1 | S |
| 150.125 | 0.0000 | 0.0000 | 82.344 | 0.02154 | 0.00000 | 319537.6 | 134331.4 | 183122.1 | S |
| 150.133 | 0.0000 | 0.0000 | 82.344 | 0.02154 | 0.00000 | 319537.6 | \$34332.1 | 183122.1 | S |
| 150.142 | 0.0000 | 0.0000 | 82.344 | 0.02154 | 0.00000 | 319537.6 | 134332.7 | 183122.1 | S |
| 150.150 | 0.0000 | 0.0000 | 82.344 | 0.02154 | 0.00000 | 319537.6 | 134333.4 | 183122.1 | S |
| 150.158 | 0.0000 | 0.0000 | 82.344 | 0.02153 | 0.00000 | 319537.6 | 134334.0 | 183122.1 | S |
| 150.167 | 0.0000 | 0.0000 | 82.344 | 0.02153 | 0.00000 | 319537.6 | 134334.7 | 183122.1 | S |
| 150.175 | 0.0000 | 0.0000 | 82.344 | 0.02153 | 0.00000 | 319537.6 | 134335.3 | 183122.1 | S |
| 150.183 | 0.0000 | 0.0000 | 82.343 | 0.02153 | 0.00000 | 319537.6 | 134336.0 | 183122.1 | S |
| 150.192 | 0.0000 | 0.0000 | 82.343 | 0.02153 | 0.00000 | 319537.6 | 134336.6 | 183122.1 | S |
| 150.200 | 0.0000 | 0.0000 | 82.343 | 0.02152 | 0.00000 | 319537.6 | 134337.3 | 183122.1 | S |
| 150.208 | 0.0000 | 0.0000 | 82.343 | 0.02152 | 0.00000 | 319537.6 | 134337.9 | 183122.1 | S |
| 150.217 | 0.0000 | 0.0000 | 82.343 | 0.02152 | 0.00000 | 319537.6 | 134338.5 | 183122.1 | S |
| 150.225 | 0.0000 | 0.0000 | 82.343 | 0.02152 | 0.00000 | 319537.6 | 134339.2 | 183122.1 | S |
| 150.233 | 0.0000 | 0.0000 | 82.343 | 0.02151 | 0.00000 | 319537.6 | 134339.8 | 183122.1 | S |
| 150.242 | 0.0000 | 0.0000 | 82.343 | 0.02151 | 0.00000 | 319537.6 | 134340.5 | 183122.1 | S |
| 150.250 | 0.0000 | 0.0000 | 82.343 | 0.02151 | 0.00000 | 319537.6 | 134341.1 | 183122.1 | S |
| 150.258 | 0.0000 | 0.0000 | 82.343 | 0.02151 | 0.00000 | 319537.6 | 134341.8 | 183122.1 | S |
| 150.267 | 0.0000 | 0.0000 | 82.342 | 0.02151 | 0.00000 | 319537.6 | 134342.4 | 183122.1 | S |
| 150.275 | 0.0000 | 0.0000 | 82.342 | 0.02150 | 0.00000 | 319537.6 | 134343.0 | 183122.1 | S |
| 150.283 | 0.0000 | 0.0000 | 82.342 | 0.02150 | 0.00000 | 319537.6 | 134343.7 | 183122.1 | S |
| 150.292 | 0.0000 | 0.0000 | 82.342 | 0.02150 | 0.00000 | 319537.6 | 134344.3 | 183122.1 | S |
| 150.300 | 0.0000 | 0.0000 | 82.342 | 0.02150 | 0.00000 | 319537.6 | 134345.0 | 183122.1 | S |
| 150.308 | 0.0000 | 0.0000 | 82.342 | 0.02149 | 0.00000 | 319537.6 | 134345.6 | 183122.1 | S |
| 150.317 | 0.0000 | 0.0000 | 82.342 | 0.02149 | 0.00000 | 319537.6 | 134346.3 | 183122.1 | S |
| 150.325 | 0.0000 | 0.0000 | 82.342 | 0.02149 | 0.00000 | 319537.6 | 134346.9 | 183122.1 | S |
| 150.333 | 0.0000 | 0.0000 | 82.342 | 0.02149 | 0.00000 | 319537.6 | 134347.6 | 183122.1 | S |
| 150.342 | 0.0000 | 0.0000 | 82.342 | 0.02149 | 0.00000 | 319537.6 | 134348.2 | 183122.1 | S |
| 150.350 | 0.0000 | 0.0000 | 82.341 | 0.02148 | 0.00000 | 319537.6 | 134348.9 | 183122.1 | S |
| 150.358 | 0.0000 | 0.0000 | 82.341 | 0.02148 | 0.00000 | 319537.6 | 134349.5 | 183122.1 | S |
| 150.367 | 0.0000 | 0.0000 | 82.341 | 0.02148 | 0.00000 | 319537.6 | 134350.1 | 183122.1 | S |
| 150.375 | 0.0000 | 0.0000 | 82.341 | 0.02148 | 0.00000 | 319537.6 | 134350.8 | 183122.1 | S |
| 150.383 | 0.0000 | 0.0000 | 82.341 | 0.02147 | 0.00000 | 319537.6 | 134351.4 | 183122.1 | S |
| 150.392 | 0.0000 | 0.0000 | 82.341 | 0.02147 | 0.00000 | 319537.6 | 134352.1 | 183122.1 | S |
| 150.400 | 0.0000 | 0.0000 | 82.341 | 0.02147 | 0.00000 | 319537.6 | 134352.7 | 183122.1 | S |
| 150.408 | 0.0000 | 0.0000 | 82.341 | 0.02147 | 0.00000 | 319537.6 | 134353.4 | 183122.1 | S |
| 150.417 | 0.0000 | 0.0000 | 82.341 | 0.02146 | 0.00000 | 319537.6 | 134354.0 | 183122.1 | S |
| 150.425 | 0.0000 | 0.0000 | 82.341 | 0.02146 | 0.00000 | 319537.6 | 134354.7 | 183122.1 | S |
| 150.433 | 0.0000 | 0.0000 | 82.340 | 0.02146 | 0.00000 | 319537.6 | 134355.3 | 183122.1 | S |
| 150.442 | 0.0000 | 0.0000 | 82.340 | 0.02146 | 0.00000 | 319537.6 | 134355.9 | 183122.1 | S |
| 150.450 | 0.0000 | 0.0000 | 82.340 | 0.02146 | 0.00000 | 319537.6 | 134356.6 | 183122.1 | S |
| 150.458 | 0.0000 | 0.0000 | 82.340 | 0.02145 | 0.00000 | 319537.6 | 134357.2 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{t} 3 / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 150.467 | 0.0000 | 0.0000 | 82.340 | 0.02145 | 0.00000 | 319537.6 | 134357.9 | 183122.1 | S |
| 150.475 | 0.0000 | 0.0000 | 82.340 | 0.02145 | 0.00000 | 319537.6 | 134358.5 | 183122.1 | S |
| 150.483 | 0.0000 | 0.0000 | 82.340 | 0.02145 | 0.00000 | 319537.6 | 134359.2 | 183122.1 | 5 |
| 150.492 | 0.0000 | 0.0000 | 82.340 | 0.02144 | 0.00000 | 319537.6 | 134359.8 | 183122.1 | S |
| 150.500 | 0.0000 | 0.0000 | 82.340 | 0.02144 | 0.00000 | 319537.6 | 134360.4 | 183122.1 | S |
| 150.508 | 0.0000 | 0.0000 | 82.340 | 0.02144 | 0.00000 | 319537.6 | 134361.1 | 183122.1 | S |
| 150.517 | 0.0000 | 0.0000 | 82.339 | 0.02144 | 0.00000 | 319537.6 | 134361.7 | 183122.1 | S |
| 150.525 | 0.0000 | 0.0000 | 82.339 | 0.02144 | 0.00000 | 319537.6 | 134362.4 | 183122.1 | S |
| 150.533 | 0.0000 | 0.0000 | 82.339 | 0.02143 | 0.00000 | 319537.6 | 134363.0 | 183122.1 | S |
| 150.542 | 0.0000 | 0.0000 | 82.339 | 0.02143 | 0.00000 | 319537.6 | 134363.7 | 183122.1 | S |
| 150.550 | 0.0000 | 0.0000 | 82.339 | 0.02143 | 0.00000 | 319537.6 | 134364.3 | 183122.1 | S |
| 150.558 | 0.0000 | 0.0000 | 82.339 | 0.02143 | 0.00000 | 319537.6 | 134365.0 | 183122.7 | S |
| 150.567 | 0.0000 | 0.0000 | 82.339 | 0.02142 | 0.00000 | 319537.6 | 134365.6 | 183122.1 | S |
| 150.575 | 0.0000 | 0.0000 | 82.339 | 0.02142 | 0.00000 | 319537.6 | 134366.2 | 183122.1 | S |
| 150.583 | 0.0000 | 0.0000 | 82.339 | 0.02142 | 0.00000 | 319537.6 | 134366.9 | 183122.1 | S |
| 150.592 | 0.0000 | 0.0000 | 82.338 | 0.02142 | 0.00000 | 319537.6 | 134367.5 | 183122.1 | S |
| 150.600 | 0.0000 | 0.0000 | 82.338 | 0.02142 | 0.00000 | 319537.6 | 134368.2 | 183122.7 | S |
| 150.608 | 0.0000 | 0.0000 | 82.338 | 0.02141 | 0.00000 | 319537.6 | 134368.8 | 183122.1 | S |
| 150.617 | 0.0000 | 0.0000 | 82.338 | 0.02141 | 0.00000 | 319537.6 | 134369.4 | 183122.1 | S |
| 150.625 | 0.0000 | 0.0000 | 82.338 | 0.02141 | 0.00000 | 319537.6 | 134370.1 | 183122. | S |
| 150.633 | 0.0000 | 0.0000 | 82.338 | 0.02141 | 0.00000 | 319537.6 | 134370.7 | 183122.1 | S |
| 150.642 | 0.0000 | 0.0000 | 82.338 | 0.02140 | 0.00000 | 319537.6 | 134371.4 | 183122.1 | S |
| 150.650 | 0.0000 | 0.0000 | 82.338 | 0.02140 | 0.00000 | 319537.6 | 134372.0 | 183122.1 | S |
| 150.658 | 0.0000 | 0.0000 | 82.338 | 0.02140 | 0.00000 | 319537.6 | 134372.7 | 183122.1 | S |
| 150.667 | 0.0000 | 0.0000 | 82.338 | 0.02140 | 0.00000 | 319537.6 | 134373.3 | 183122.1 | S |
| 150.675 | 0.0000 | 0.0000 | 82.337 | 0.02140 | 0.00000 | 319537.6 | 134373.9 | 183122.1 | S |
| 150.683 | 0.0000 | 0.0000 | 82.337 | 0.02139 | 0.00000 | 319537.6 | 134374.6 | 183122.1 | S |
| 150.692 | 0.0000 | 0.0000 | 82.337 | 0.02139 | 0.00000 | 319537.6 | 134375.2 | 183122.1 | S |
| 150.700 | 0.0000 | 0.0000 | 82.337 | 0.02139 | 0.00000 | 319537.6 | 134375.9 | 183122.1 | S |
| 150.708 | 0.0000 | 0.0000 | 82.337 | 0.02139 | 0.00000 | 319537.6 | 134376.5 | 183122.1 | S |
| 150.717 | 0.0000 | 0.0000 | 82.337 | 0.02138 | 0.00000 | 319537.6 | 134377.1 | 183122.1 | S |
| 150.725 | 0.0000 | 0.0000 | 82.337 | 0.02138 | 0.00000 | 319537.6 | 134377.8 | 183122.1 | S |
| 150.733 | 0.0000 | 0.0000 | 82.337 | 0.02138 | 0.00000 | 319537.6 | 134378.4 | 183122.1 | S |
| 150.742 | 0.0000 | 0.0000 | 82.337 | 0.02138 | 0.00000 | 319537.6 | 134379.1 | 183122.1 | S |
| 150.750 | 0.0000 | 0.0000 | 82.337 | 0.02138 | 0.00000 | 319537.6 | 134379.7 | 183122.1 | S |
| 150.758 | 0.0000 | 0.0000 | 82.336 | 0.02137 | 0.00000 | 319537.6 | 134380.4 | 183122.1 | S |
| 150.767 | 0.0000 | 0.0000 | 82.336 | 0.02137 | 0.00000 | 319537.6 | 134381.0 | 183122.1 | S |
| 150.775 | 0.0000 | 0.0000 | 82.336 | 0.02137 | 0.00000 | 319537.6 | 134381.6 | 183122.1 | S |
| 150.783 | 0.0000 | 0.0000 | 82.336 | 0.02137 | 0.00000 | 319537.6 | 134382.3 | 183122.1 | S |
| 150.792 | 0.0000 | 0.0000 | 82.336 | 0.02136 | 0.00000 | 319537.6 | 134382.9 | 183122.1 | S |
| 150.800 | 0.0000 | 0.0000 | 82.336 | 0.02136 | 0.00000 | 319537.6 | 134383.6 | 183122.1 | S |
| 150.808 | 0.0000 | 0.0000 | 82.336 | 0.02136 | 0.00000 | 319537.6 | 134384.2 | 183122.1 | S |
| 150.817 | 0.0000 | 0.0000 | 82.336 | 0.02136 | 0.00000 | 319537.6 | 134384.8 | 183122.4 | S |
| 150.825 | 0.0000 | 0.0000 | 82.336 | 0.02136 | 0.00000 | 319537.6 | 134385.5 | 183122.1 | S |
| 150.833 | 0.0000 | 0.0000 | 82.336 | 0.02135 | 0.00000 | 319537.6 | 134386.1 | 183122.1 | S |
| 150.842 | 0.0000 | 0.0000 | 82.335 | 0.02135 | 0.00000 | 319537.6 | 134386.8 | 183122.1 | S |
| 150.850 | 0.0000 | 0.0000 | 82.335 | 0.02135 | 0.00000 | 319537.6 | 134387.4 | 183122.1 | S |
| 150.858 | 0.0000 | 0.0000 | 82.335 | 0.02135 | 0.00000 | 319537.6 | 134388.0 | 183122.1 | S |
| 150.867 | 0.0000 | 0.0000 | 82.335 | 0.02135 | 0.00000 | 319537.6 | 134388.7 | 183122.1 | S |
| 150.875 | 0.0000 | 0.0000 | 82.335 | 0.02134 | 0.00000 | 319537.6 | 134389.3 | 183122.1 | S |
| 150.883 | 0.0000 | 0.0000 | 82.335 | 0.02134 | 0.00000 | 319537.6 | 134390.0 | 183122.1 | S |
| 150.892 | 0.0000 | 0.0000 | 82.335 | 0.02134 | 0.00000 | 319537.6 | 134390.6 | 183122.1 | S |
| 150.900 | 0.0000 | 0.0000 | 82.335 | 0.02134 | 0.00000 | 319537.6 | 134391.3 | 183122.1 | S |
| 150.908 | 0.0000 | 0.0000 | 82.335 | 0.02133 | 0.00000 | 319537.6 | 134391.9 | 183122.1 | S |
| 150.917 | 0.0000 | 0.0000 | 82.335 | 0.02133 | 0.00000 | 319537.6 | 134392.5 | 183122.1 | S |
| 450.925 | 0.0000 | 0.0000 | 82.334 | 0.02133 | 0.00000 | 319537.6 | 134393.2 | 183122.1 | S |
| 150.933 | 0.0000 | 0.0000 | 82.334 | 0.02133 | 0.00000 | 319537.6 | 134393.8 | 183122.1 | S |
| 150.942 | 0.0000 | 0.0000 | 82.334 | 0.02133 | 0.00000 | 319537.6 | 134394.4 | 183122.1 | S |
| 150.950 | 0.0000 | 0.0000 | 82.334 | 0.02132 | 0.00000 | 318537.6 | 134395.1 | 183122.1 | S |
| 150.958 | 0.0000 | 0.0000 | 82.334 | 0.02132 | 0.00000 | 319537.6 | 134395.7 | 183122.1 | S |
| 150.967 | 0.0000 | 0.0000 | 82.334 | 0.02132 | 0.00000 | 319537.6 | 134396.4 | 183122.1 | S |
| 150.975 | 0.0000 | 0.0000 | 82.334 | 0.02132 | 0.00000 | 319537.6 | 134397.0 | 183122.1 | S |
| 150.983 | 0.0000 | 0.0000 | 82.334 | 0.02131 | 0.00000 | 319537.6 | 134397.6 | 183122.1 | S |
| 150.992 | 0.0000 | 0.0000 | 82.334 | 0.02131 | 0.00000 | 319537.6 | 134398.3 | 183122.1 | S |
| 151.000 | 0.0000 | 0.0000 | 82.334 | 0.02131 | 0.00000 | 319537.6 | 134398.9 | 183122.1 | S |
| 151.008 | 0.0000 | 0.0000 | 82.333 | 0.02131 | 0.00000 | 319537.6 | 134399.6 | 183122.1 | S |
| 151.017 | 0.0000 | 0.0000 | 82.333 | 0.02131 | 0.00000 | 319537.6 | 134400.2 | 183122.1 | S |
| 151.025 | 0.0000 | 0.0000 | 82.333 | 0.02130 | 0.00000 | 319537.6 | 134400.8 | 183122.1 | S |
| 151.033 | 0.0000 | 0.0000 | 82.333 | 0.02130 | 0.00000 | 319537.6 | 134401.5 | 183122.1 | S |
| 151.042 | 0.0000 | 0.0000 | 82,333 | 0.02130 | 0.00000 | 319537.6 | 134402.1 | 183122.1 | S |
| 151.050 | 0.0000 | 0.0000 | 82.333 | 0.02130 | 0.00000 | 319537.6 | 134402.8 | 183122.1 | S |
| 151.058 | 0.0000 | 0.0000 | 82.333 | 0.02129 | 0.00000 | 319537.6 | 134403.4 | 183122.1 | S |
| 151.067 | 0.0000 | 0.0000 | 82.333 | 0.02129 | 0.00000 | 319537.6 | 134404.0 | 183122.3 | S |
| 151.075 | 0.0000 | 0.0000 | 82.333 | 0.02129 | 0.00000 | 319537.6 | 134404.7 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infilfration Rate (ft ${ }^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 151.083 | 0.0000 | 0.0000 | 82.333 | 0.02129 | 0.00000 | 319537.6 | 134405.3 | 183122.1 | S |
| 151.092 | 0.0000 | 0.0000 | 82.332 | 0.02129 | 0.00000 | 319537.6 | 134406.0 | 183122.7 | S |
| 151.100 | 0.0000 | 0.0000 | 82.332 | 0.02128 | 0.00000 | 319537.6 | 134406.6 | 183122.1 | S |
| 151.108 | 0.0000 | 0.0000 | 82.332 | 0.02128 | 0.00000 | 319537.6 | 134407.2 | 183122.1 | S |
| 151.117 | 0.0000 | 0.0000 | 82.332 | 0.02128 | 0.00000 | 319537.6 | 134407.9 | 183122.1 | S |
| 151.125 | 0.0000 | 0.0000 | 82.332 | 0.02128 | 0.00000 | 319537.6 | 134408.5 | 183122.1 | S |
| 151.133 | 0.0000 | 0.0000 | 82.332 | 0.02127 | 0.00000 | 319537.6 | 134409.1 | 183122.1 | S |
| 151.142 | 0.0000 | 0.0000 | 82.332 | 0.02127 | 0.00000 | 319537.6 | 134409.8 | 183122.1 | S |
| 151.150 | 0.0000 | 0.0000 | 82.332 | 0.02127 | 0.00000 | 319537.6 | 134410.4 | 183122.1 | S |
| 151.158 | 0.0000 | 0.0000 | 82.332 | 0.02127 | 0.00000 | 319537.6 | 134411.1 | 183122.1 | S |
| 151.167 | 0.0000 | 0.0000 | 82.332 | 0.02127 | 0.00000 | 319537.6 | 134411.7 | 183122.1 | S |
| 751.175 | 0.0000 | 0.0000 | 82.331 | 0.02126 | 0.00000 | 319537.6 | 134412.3 | 183122.1 | S |
| 151.183 | 0.0000 | 0.0000 | 82.331 | 0.02126 | 0.00000 | 319537.6 | 134413.0 | 183122.1 | S |
| 151.192 | 0.0000 | 0.0000 | 82.331 | 0.02126 | 0.00000 | 319537.6 | 134413.6 | 183122.1 | S |
| 151.200 | 0.0000 | 0.0000 | 82.331 | 0.02126 | 0.00000 | 319537.6 | 134414.3 | 183122.1 | S |
| 151.208 | 0.0000 | 0.0000 | 82.331 | 0.02125 | 0.00000 | 319537.6 | 134414.9 | 183122.1 | S |
| 151.217 | 0.0000 | 0.0000 | 82.331 | 0.02125 | 0.00000 | 319537.6 | 134415.5 | 183122.1 | S |
| 151.225 | 0.0000 | 0.0000 | 82.331 | 0.02125 | 0.00000 | 319537.6 | 134416.2 | 183122.1 | S |
| 151.233 | 0.0000 | 0.0000 | 82.331 | 0.02125 | 0.00000 | 319537.6 | 134416.8 | 183122.1 | S |
| 151.242 | 0.0000 | 0.0000 | 82.331 | 0.02125 | 0.00000 | 319537.6 | 134417.4 | 183122.1 | S |
| 151.250 | 0.0000 | 0.0000 | 82.331 | 0.02124 | 0.00000 | 319537.6 | 134418.1 | 183122.1 | S |
| 151.258 | 0.0000 | 0.0000 | 82.330 | 0.02124 | 0.00000 | 319537.6 | 134418.7 | 183122.1 | S |
| 151.267 | 0.0000 | 0.0000 | 82.330 | 0.02124 | 0.00000 | 319537.6 | 134419.3 | 183122.1 | S |
| 151.275 | 0.0000 | 0.0000 | 82.330 | 0.02124 | 0.00000 | 319537.6 | 134420.0 | 483122.1 | S |
| 151.283 | 0.0000 | 0.0000 | 82.330 | 0.02123 | 0.00000 | 319537.6 | 134420.6 | 183122.1 | S |
| 151.292 | 0.0000 | 0.0000 | 82.330 | 0.02123 | 0.00000 | 319537.6 | 134421.3 | 183122.1 | S |
| 151.300 | 0.0000 | 0.0000 | 82.330 | 0.02123 | 0.00000 | 319537.6 | 134421.9 | 183122.1 | S |
| 151.308 | 0.0000 | 0.0000 | 82.330 | 0.02123 | 0.00000 | 319537.6 | 134422.5 | 183122.1 | S |
| 151.317 | 0.0000 | 0.0000 | 82.330 | 0.02123 | 0.00000 | 319537.6 | 134423.2 | 183122.1 | S |
| 151.325 | 0.0000 | 0.0000 | 82.330 | 0.02122 | 0.00000 | 319537.6 | 134423.8 | 183122.1 | S |
| 151.333 | 0.0000 | 0.0000 | 82.330 | 0.02122 | 0.00000 | 319537.6 | 134424.4 | 183122.1 | S |
| 151.342 | 0.0000 | 0.0000 | 82.329 | 0.02122 | 0.00000 | 319537.6 | 134425.1 | 183122.1 | S |
| 151.350 | 0.0000 | 0.0000 | 82.329 | 0.02122 | 0.00000 | 319537.6 | 134425.7 | 183122.1 | S |
| 151.358 | 0.0000 | 0.0000 | 82.329 | 0.02122 | 0.00000 | 319537.6 | 134426.3 | 183122.1 | S |
| 151.367 | 0.0000 | 0.0000 | 82.329 | 0.02121 | 0.00000 | 319537.6 | 134427.0 | 183122.1 | S |
| 151.375 | 0.0000 | 0.0000 | 82.329 | 0.02121 | 0.00000 | 319537.6 | 134427.6 | 183122.1 | S |
| 151.383 | 0.0000 | 0.0000 | 82.329 | 0.02121 | 0.00000 | 319537.6 | 134428.3 | 183122.1 | S |
| 151.392 | 0.0000 | 0.0000 | 82.329 | 0.02121 | 0.00000 | 319537.6 | 134428.9 | 183122.1 | S |
| 151.400 | 0.0000 | 0.0000 | 82.329 | 0.02120 | 0.00000 | 319537.6 | 134429.5 | 183122.1 | S |
| 151.408 | 0.0000 | 0.0000 | 82.329 | 0.02120 | 0.00000 | 319537.6 | 134430.2 | 183122.1 | S |
| 151.417 | 0.0000 | 0.0000 | 82.328 | 0.02120 | 0.00000 | 319537.6 | 134430.8 | 183122.1 | S |
| 151.425 | 0.0000 | 0.0000 | 82.328 | 0.02120 | 0.00000 | 319537.6 | 134431.4 | 183122.1 | S |
| 151.433 | 0.0000 | 0.0000 | 82.328 | 0.02120 | 0.00000 | 319537.6 | 134432.1 | 183122.1 | S |
| 151.442 | 0.0000 | 0.0000 | 82.328 | 0.02119 | 0.00000 | 319537.6 | 134432.7 | 183122.1 | S |
| 151.450 | 0.0000 | 0.0000 | 82.328 | 0.02119 | 0.00000 | 319537.6 | 134433.3 | 183122.1 | S |
| 151.458 | 0.0000 | 0.0000 | 82.328 | 0.02119 | 0.00000 | 319537.6 | $\uparrow 34434.0$ | 183122.1 | S |
| 151.467 | 0.0000 | 0.0000 | 82.328 | 0.02119 | 0.00000 | 319537.6 | 134434.6 | 183122.1 | S |
| 151.475 | 0.0000 | 0.0000 | 82.328 | 0.02118 | 0.00000 | 319537.6 | 134435.3 | 183122.1 | S |
| 151.483 | 0.0000 | 0.0000 | 82.328 | 0.02118 | 0.00000 | 319537.6 | 134435.9 | 183122.1 | S |
| 151.492 | 0.0000 | 0.0000 | 82.328 | 0.02118 | 0.00000 | 319537.6 | 134436.5 | 183122.1 | S |
| 151.500 | 0.0000 | 0.0000 | 82.327 | 0.02118 | 0.00000 | 319537.6 | 134437.2 | 183122.1 | S |
| 151.508 | 0.0000 | 0.0000 | 82.327 | 0.02118 | 0.00000 | 319537.6 | 134437.8 | 183122.1 | S |
| 151.517 | 0.0000 | 0.0000 | 82.327 | 0.02117 | 0.00000 | 319537.6 | 134438.4 | 183122.1 | S |
| 151.525 | 0.0000 | 0.0000 | 82.327 | 0.02117 | 0.00000 | 319537.6 | 134439.1 | 183122.1 | S |
| 151.533 | 0.0000 | 0.0000 | 82.327 | 0.02117 | 0.00000 | 319537.6 | 134439.7 | 183122.1 | S |
| 151.542 | 0.0000 | 0.0000 | 82.327 | 0.02117 | 0.00000 | 319537.6 | 134440.3 | 183122.1 | S |
| 151.550 | 0.0000 | 0.0000 | 82.327 | 0.02116 | 0.00000 | 319537.6 | 134441.0 | 183122.1 | S |
| 151.558 | 0.0000 | 0.0000 | 82.327 | 0.02116 | 0.00000 | 319537.6 | 134441.6 | 183122.4 | S |
| 151.567 | 0.0000 | 0.0000 | 82.327 | 0.02116 | 0.00000 | 319537.6 | 134442.2 | 183122.1 | S |
| 151.575 | 0.0000 | 0.0000 | 82.327 | 0.02116 | 0.00000 | 319537.6 | 134442.9 | 183122.1 | S |
| 151.583 | 0.0000 | 0.0000 | 82.326 | 0.02116 | 0.00000 | 319537.6 | 134443.5 | 183122.1 | S |
| 151.592 | 0.0000 | 0.0000 | 82.326 | 0.02115 | 0.00000 | 319537.6 | 134444.1 | 183122.1 | S |
| 151.600 | 0.0000 | 0.0000 | 82.326 | 0.02115 | 0.00000 | 319537.6 | 134444.8 | 183122.1 | S |
| 151.608 | 0.0000 | 0.0000 | 82.326 | 0.02115 | 0.00000 | 319537.6 | 134445.4 | 183122.1 | S |
| 151.617 | 0.0000 | 0.0000 | 82.326 | 0.02115 | 0.00000 | 319537.6 | 134446.0 | 183122.1 | S |
| 151.625 | 0.0000 | 0.0000 | 82.326 | 0.02115 | 0.00000 | 319537.6 | 134446.7 | 183122.1 | S |
| 151.633 | 0.0000 | 0.0000 | 82.326 | 0.02114 | 0.00000 | 319537.6 | 134447.3 | 183122.1 | S |
| 151.642 | 0.0000 | 0.0000 | 82.326 | 0.02114 | 0.00000 | 319537.6 | 134448.0 | 183122.1 | S |
| 151.650 | 0.0000 | 0.0000 | 82.326 | 0.02114 | 0.00000 | 319537.6 | 134448.6 | 183122.1 | S |
| 151.658 | 0.0000 | 0.0000 | 82.326 | 0.02114 | 0.00000 | 319537.6 | 134449.2 | 183122.1 | S |
| 151.667 | 0.0000 | 0.0000 | 82.325 | 0.02113 | 0.00000 | 319537.6 | 134449.9 | 183122.1 | S |
| 151.675 | 0.0000 | 0.0000 | 82.325 | 0.02113 | 0.00000 | 319537.6 | 134450.5 | 183122.1 | S |
| 151.683 | 0.0000 | 0.0000 | 82.325 | 0.02113 | 0.00000 | 319537.6 | 134451.1 | 183122.1 | S |
| 151.692 | 0.0000 | 0.0000 | 82.325 | 0.02113 | 0.00000 | 319537.6 | 134451.8 | \$83122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elaosed Time (hours) | Inflow Rate ( $\mathrm{f}^{2} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Infiow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 151.700 | 0.0000 | 0.0000 | 82.325 | 0.02113 | 0.00000 | 319537.6 | 134452.4 | 183122.1 | S |
| 151.708 | 0.0000 | 0.0000 | 82.325 | 0.02112 | 0.00000 | 319537.6 | 134453.0 | 183122.1 | S |
| 151.717 | 0.0000 | 0.0000 | 82.325 | 0.02112 | 0.00000 | 319537.6 | 134453.7 | 483122.1 | S |
| 151.725 | 0.0000 | 0.0000 | 82.325 | 0.02112 | 0.00000 | 319537.6 | 134454.3 | 183122.1 | S |
| 151.733 | 0.0000 | 0.0000 | 82.325 | 0.02112 | 0.00000 | 319537.6 | 134454.9 | 183122.1 | S |
| 151.742 | 0.0000 | 0.0000 | 82.325 | 0.02111 | 0.00000 | 319537.6 | 134455.6 | 183122.1 | S |
| 151.750 | 0.0000 | 0.0000 | 82.324 | 0.02111 | 0.00000 | 319537.6 | 134456.2 | 183122.1 | S |
| 151.758 | 0.0000 | 0.0000 | 82.324 | 0.02111 | 0.00000 | 319537.6 | 134456.8 | 183122.1 | S |
| 151.767 | 0.0000 | 0.0000 | 82.324 | 0.02111 | 0.00000 | 319537.6 | 134457.5 | 183122.1 | S |
| 151.775 | 0.0000 | 0.0000 | 82.324 | 0.02111 | 0.00000 | 319537.6 | 134458.1 | 183122.1 | S |
| 151.783 | 0.0000 | 0.0000 | 82.324 | 0.02110 | 0.00000 | 319537.6 | 134458.7 | 183122.1 | S |
| 151.792 | 0.0000 | 0.0000 | 82.324 | 0.02110 | 0.00000 | 319537.6 | 134459.4 | 183122.1 | S |
| 151.800 | 0.0000 | 0.0000 | 82.324 | 0.02110 | 0.00000 | 319537.6 | 134460.0 | 183122.1 | S |
| 151.808 | 0.0000 | 0.0000 | 82.324 | 0.02110 | 0.00000 | 319537.6 | 134460.6 | 183122.1 | S |
| 151.817 | 0.0000 | 0.0000 | 82.324 | 0.02110 | 0.00000 | 319537.6 | 134461.3 | 183122.1 | S |
| 151.825 | 0.0000 | 0.0000 | 82.324 | 0.02109 | 0.00000 | 319537.6 | 134461.9 | 183122.1 | S |
| 151.833 | 0.0000 | 0.0000 | 82.323 | 0.02109 | 0.00000 | 319537.6 | 134462.5 | 183122.1 | S |
| 151.842 | 0.0000 | 0.0000 | 82.323 | 0.02109 | 0.00000 | 319537.6 | 134463.2 | 183122.1 | S |
| 151.850 | 0.0000 | 0.0000 | 82.323 | 0.02109 | 0.00000 | 319537.6 | 134463.8 | 183122.1 | S |
| 151.858 | 0.0000 | 0.0000 | 82.323 | 0.02108 | 0.00000 | 319537.6 | 134464.4 | 183122.1 | S |
| 151.867 | 0.0000 | 0.0000 | 82.323 | 0.02108 | 0.00000 | 319537.6 | 134465.0 | 183122.1 | S |
| 151.875 | 0.0000 | 0.0000 | 82.323 | 0.02108 | 0.00000 | 319537.6 | 134465.7 | 183122.1 | S |
| 151.883 | 0.0000 | 0.0000 | 82.323 | 0.02108 | 0.00000 | 319537.6 | 134466.3 | 183122.1 | S |
| 151.892 | 0.0000 | 0.0000 | 82.323 | 0.02108 | 0.00000 | 319537.6 | 134467.0 | 183122.1 | S |
| 151.900 | 0.0000 | 0.0000 | 82.323 | 0.02107 | 0.00000 | 319537.6 | 134467.6 | 183122.1 | S |
| 151.908 | 0.0000 | 0.0000 | 82.323 | 0.02107 | 0.00000 | 319537.6 | 134468.2 | 183122.1 | S |
| 151.917 | 0.0000 | 0.0000 | 82,322 | 0.02107 | 0.00000 | 319537.6 | 134468.8 | 183122.1 | S |
| 151.925 | 0.0000 | 0.0000 | 82.322 | 0.02107 | 0.00000 | 319537.6 | 134469.5 | 183122.1 | S |
| 151.933 | 0.0000 | 0.0000 | 82.322 | 0.02106 | 0.00000 | 319537.6 | 134470.1 | 183122.1 | S |
| 151.942 | 0.0000 | 0.0000 | 82.322 | 0.02106 | 0.00000 | 319537.6 | 134470.7 | 183122.1 | S |
| 151.950 | 0.0000 | 0.0000 | 82.322 | 0.02106 | 0.00000 | 319537.6 | 134471.4 | 183122.1 | S |
| 151.958 | 0.0000 | 0.0000 | 82.322 | 0.02106 | 0.00000 | 319537.6 | 134472.0 | 183122.1 | S |
| 151.967 | 0.0000 | 0.0000 | 82.322 | 0.02106 | 0.00000 | 319537.6 | 134472.6 | 183122.1 | S |
| 151.975 | 0.0000 | 0.0000 | 82.322 | 0.02105 | 0.00000 | 319537.6 | 134473.3 | 183122.1 | S |
| 151.983 | 0.0000 | 0.0000 | 82.322 | 0.02105 | 0.00000 | 319537.6 | 134473.9 | 183122.1 | S |
| 151.992 | 0.0000 | 0.0000 | 82.322 | 0.02105 | 0.00000 | 319537.6 | 134474.5 | 183122.1 | S |
| 152.000 | 0.0000 | 0.0000 | 82.321 | 0.02105 | 0.00000 | 319537.6 | 134475.2 | 183122.1 | S |
| 152.008 | 0.0000 | 0.0000 | 82.321 | 0.02105 | 0.00000 | 319537.6 | 134475.8 | 183122.1 | S |
| 152.017 | 0.0000 | 0.0000 | 82.321 | 0.02104 | 0.00000 | 319537.6 | 134476.4 | 183122.1 | S |
| 152.025 | 0.0000 | 0.0000 | 82.321 | 0.02104 | 0.00000 | 319537.6 | 134477.1 | 183122.1 | S |
| 152.033 | 0.0000 | 0.0000 | 82.321 | 0.02104 | 0.00000 | 319537.6 | 134477.7 | 183122.1 | S |
| 152.042 | 0.0000 | 0.0000 | 82.321 | 0.02104 | 0.00000 | 319537.6 | 134478.3 | 183122.1 | S |
| 152.050 | 0.0000 | 0.0000 | 82.321 | 0.02103 | 0.00000 | 319537.6 | 134479.0 | 183122.1 | S |
| 152.058 | 0.0000 | 0.0000 | 82.321 | 0.02103 | 0.00000 | 319537.6 | 134479.6 | 183122.1 | S |
| 152.067 | 0.0000 | 0.0000 | 82.321 | 0.02103 | 0.00000 | 319537.6 | 134480.2 | 183122.1 | S |
| 152.075 | 0.0000 | 0.0000 | 82.321 | 0.02103 | 0.00000 | 319537.6 | 134480.8 | 183122.1 | S |
| 152.083 | 0.0000 | 0.0000 | 82.320 | 0.02103 | 0.00000 | 319537.6 | 134481.5 | 183122.1 | S |
| 152.092 | 0.0000 | 0.0000 | 82.320 | 0.02102 | 0.00000 | 319537.6 | 134482.1 | 183122.1 | S |
| 152.100 | 0.0000 | 0.0000 | 82.320 | 0.02102 | 0.00000 | 319537.6 | 134482.7 | 183122.1 | S |
| 152.108 | 0.0000 | 0.0000 | 82.320 | 0.02102 | 0.00000 | 319537.6 | 134483.4 | 183122.1 | S |
| 152.117 | 0.0000 | 0.0000 | 82.320 | 0.02102 | 0.00000 | 319537.6 | 134484.0 | 183122.1 | S |
| 152.125 | 0.0000 | 0.0000 | 82.320 | 0.02102 | 0.00000 | 319537.6 | 134484.6 | 183122.1 | S |
| 152.133 | 0.0000 | 0.0000 | 82.320 | 0.02101 | 0.00000 | 319537.6 | 134485.3 | 183122.1 | S |
| 152.142 | 0.0000 | 0.0000 | 82.320 | 0.02101 | 0.00000 | 319537.6 | 134485.9 | 183122.1 | S |
| 152.150 | 0.0000 | 0.0000 | 82.320 | 0.02101 | 0.00000 | 319537.6 | 134486.5 | 183122.1 | S |
| 152.158 | 0.0000 | 0.0000 | 82.320 | 0.02101 | 0.00000 | 319537.6 | 134487.2 | 183122.1 | S |
| 152.167 | 0.0000 | 0.0000 | 82.319 | 0.02100 | 0.00000 | 319537.6 | 134487.8 | 183122.1 | S |
| 152.175 | 0.0000 | 0.0000 | 82.319 | 0.02100 | 0.00000 | 319537.6 | 134488.4 | 183122.1 | S |
| 152.183 | 0.0000 | 0.0000 | 82.319 | 0.02100 | 0.00000 | 319537.6 | 134489.0 | 183122.1 | S |
| 152.192 | 0.0000 | 0.0000 | 82.319 | 0.02100 | 0.00000 | 319537.6 | 134489.7 | $\$ 83122.1$ | S |
| 152.200 | 0.0000 | 0.0000 | 82.319 | 0.02100 | 0.00000 | 319537.6 | 134490.3 | 183122.1 | S |
| 152.208 | 0.0000 | 0.0000 | 82.319 | 0.02099 | 0.00000 | 319537.6 | 134490.9 | 183122.1 | S |
| 152.217 | 0.0000 | 0.0000 | 82.319 | 0.02099 | 0.00000 | 319537.6 | 134491.6 | 183122.1 | S |
| 152.225 | 0.0000 | 0.0000 | 82.319 | 0.02099 | 0.00000 | 319537.6 | 134492.2 | 183122.1 | S |
| 152.233 | 0.0000 | 0.0000 | 82.319 | 0.02099 | 0.00000 | 319537.6 | 134492.8 | 183122.1 | S |
| 152.242 | 0.0000 | 0.0000 | 82.319 | 0.02098 | 0.00000 | 319537.6 | 134493.5 | 183122.1 | S |
| 152.250 | 0.0000 | 0.0000 | 82.318 | 0.02098 | 0.00000 | 319537.6 | 134494.1 | 183122.1 | S |
| 152.258 | 0.0000 | 0.0000 | 82.318 | 0.02098 | 0.00000 | 319537.6 | 134494.7 | 183122.1 | S |
| 152.267 | 0.0000 | 0.0000 | 82.318 | 0.02098 | 0.00000 | 319537.6 | 134495.3 | 183122.1 | S |
| 152.275 | 0.0000 | 0.0000 | 82.318 | 0.02098 | 0.00000 | 319537.6 | 134496.0 | 183122.1 | S |
| 152.283 | 0.0000 | 0.0000 | 82.318 | 0.02097 | 0.00000 | 319537.6 | 134496.6 | 183122.1 | S |
| 152.292 | 0.0000 | 0.0000 | 82.318 | 0.02097 | 0.00000 | 319537.6 | 134497.2 | 183122.1 | S |
| 152.300 | 0.0000 | 0.0000 | 82.318 | 0.02097 | 0.00000 | 319537.6 | 134497.9 | 183122.1 | S |
| 152.308 | 0.0000 | 0.0000 | 82.318 | 0.02097 | 0.00000 | 319537.6 | 134498.5 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr $/ 24$ Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{3 / \mathrm{s}}$ ) | Outside Recharge (flday) | Stage Elevation (f datum) | Infiltration Rate ( $\mathrm{ft}^{3 / 5}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{H}^{3}$ ) | Cumulative <br> Discharge <br> Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 152.317 | 0.0000 | 0.0000 | 82.318 | 0.02097 | 0.00000 | 319537.6 | 134499.1 | 183122.1 | S |
| 152.325 | 0.0000 | 0.0000 | 82.318 | 0.02096 | 0.00000 | 319537.6 | 134499.7 | 183122.1 | S |
| 152.333 | 0.0000 | 0.0000 | 82.317 | 0.02096 | 0.00000 | 319537.6 | 134500.4 | 183122.1 | S |
| 152.342 | 0.0000 | 0.0000 | 82.317 | 0.02096 | 0.00000 | 319537.6 | 134501.0 | 183122.1 | S |
| 152.350 | 0.0000 | 0.0000 | 82.317 | 0.02096 | 0.00000 | 319537.6 | 134501.6 | 183122.1 | S |
| 152.358 | 0.0000 | 0.0000 | 82.317 | 0.02095 | 0.00000 | 319537.6 | 134502.3 | 183122.1 | S |
| 152.367 | 0.0000 | 0.0000 | 82.317 | 0.02095 | 0.00000 | 319537.6 | 134502.9 | 183122.1 | S |
| 152.375 | 0.0000 | 0.0000 | 82.317 | 0.02095 | 0.00000 | 319537.6 | 134503.5 | 183122.1 | S |
| 152.383 | 0.0000 | 0.0000 | 82.317 | 0.02095 | 0.00000 | 319537.6 | 134504.1 | 183122.1 | S |
| 152.392 | 0.0000 | 0.0000 | 82.317 | 0.02095 | 0.00000 | 319537.6 | 134504.8 | 183122.1 | S |
| 152.400 | 0.0000 | 0.0000 | 82.317 | 0.02094 | 0.00000 | 319537.6 | 134505.4 | 183122.1 | S |
| 152.408 | 0.0000 | 0.0000 | 82.317 | 0.02094 | 0.00000 | 319537.6 | 134506.0 | 183122.1 | S |
| 152.417 | 0.0000 | 0.0000 | 82.316 | 0.02094 | 0.00000 | 319537.6 | 134506.7 | 183122.1 | S |
| 152.425 | 0.0000 | 0.0000 | 82.316 | 0.02094 | 0.00000 | 319537.6 | 134507.3 | 183122.1 | S |
| 152.433 | 0.0000 | 0.0000 | 82.316 | 0.02094 | 0.00000 | 319537.6 | 134507.9 | 183122.1 | S |
| 152.442 | 0.0000 | 0.0000 | 82.316 | 0.02093 | 0.00000 | 319537.6 | 134508.5 | 183122.1 | S |
| 152.450 | 0.0000 | 0.0000 | 82.316 | 0.02093 | 0.00000 | 319537.6 | 134509.2 | 183122.1 | S |
| 152.458 | 0.0000 | 0.0000 | 82.316 | 0.02093 | 0.00000 | 319537.6 | 134509.8 | 183122.1 | S |
| 152.467 | 0.0000 | 0.0000 | 82.316 | 0.02093 | 0.00000 | 319537.6 | 134510.4 | 183122.1 | S |
| 152.475 | 0.0000 | 0.0000 | 82.316 | 0.02092 | 0.00000 | 319537.6 | 134511.0 | 183122.1 | S |
| 152.483 | 0.0000 | 0.0000 | 82.316 | 0.02092 | 0.00000 | 319537.6 | 134511.7 | 183122.1 | S |
| 152.492 | 0.0000 | 0.0000 | 82.316 | 0.02092 | 0.00000 | 319537.6 | 134512.3 | 183122.1 | S |
| 152.500 | 0.0000 | 0.0000 | 82.315 | 0.02092 | 0.00000 | 319537.6 | 134512.9 | 183122.1 | S |
| 152.508 | 0.0000 | 0.0000 | 82.315 | 0.02092 | 0.00000 | 319537.6 | 134513.6 | 183122.1 | S |
| 152.517 | 0.0000 | 0.0000 | 82.315 | 0.02091 | 0.00000 | 319537.6 | 134514.2 | 183122.1 | S |
| 152.525 | 0.0000 | 0.0000 | 82.315 | 0.02091 | 0.00000 | 319537.6 | 134514.8 | 183122.1 | S |
| 152.533 | 0.0000 | 0.0000 | 82.315 | 0.02091 | 0.00000 | 319537.6 | 134515.4 | 183122.1 | S |
| 152.542 | 0.0000 | 0.0000 | 82.315 | 0.02091 | 0.00000 | 319537.6 | 134516.1 | 183122.1 | S |
| 152.550 | 0.0000 | 0.0000 | 82.315 | 0.02091 | 0.00000 | 319537.6 | 134516.7 | 183122.1 | S |
| 152.558 | 0.0000 | 0.0000 | 82.315 | 0.02090 | 0.00000 | 319537.6 | 134517.3 | 183122.1 | S |
| 152.567 | 0.0000 | 0.0000 | 82.315 | 0.02090 | 0.00000 | 319537.6 | 134518.0 | 183122.1 | S |
| 152.575 | 0.0000 | 0.0000 | 82.315 | 0.02090 | 0.00000 | 319537.6 | 134518.6 | 183122.1 | S |
| 152.583 | 0.0000 | 0.0000 | 82.314 | 0.02090 | 0.00000 | 319537.6 | 134519.2 | 183122.1 | S |
| 152.592 | 0.0000 | 0.0000 | 82.314 | 0.02089 | 0.00000 | 319537.6 | 134519.8 | 183122.1 | S |
| 152.600 | 0.0000 | 0.0000 | 82.314 | 0.02089 | 0.00000 | 319537.6 | 134520.5 | 183122.1 | S |
| 152.608 | 0.0000 | 0.0000 | 82.314 | 0.02089 | 0.00000 | 319537.6 | 134521.1 | 183122.1 | S |
| 152,617 | 0.0000 | 0.0000 | 82.314 | 0.02089 | 0.00000 | 319537.6 | 134521.7 | 183122.1 | S |
| 152.625 | 0.0000 | 0.0000 | 82.314 | 0.02089 | 0.00000 | 319537.6 | 134522.3 | 183122.1 | S |
| 152.633 | 0.0000 | 0.0000 | 82.314 | 0.02088 | 0.00000 | 319537.6 | 134523.0 | 183122.1 | S |
| 152.642 | 0.0000 | 0.0000 | 82.314 | 0.02088 | 0.00000 | 319537.6 | 134523.6 | 183122.1 | S |
| 152.650 | 0.0000 | 0.0000 | 82.314 | 0.02088 | 0.00000 | 319537.6 | 134524.2 | 183122.1 | S |
| 152.658 | 0.0000 | 0.0000 | 82.314 | 0.02088 | 0.00000 | 319537.6 | 134524.8 | 183122.1 | S |
| 152.667 | 0.0000 | 0.0000 | 82.313 | 0.02088 | 0.00000 | 319537.6 | 134525.5 | 183122.1 | S |
| 152.675 | 0.0000 | 0.0000 | 82.313 | 0.02087 | 0.00000 | 319537.6 | 134526.1 | 183122.1 | S |
| 152.683 | 0.0000 | 0.0000 | 82.313 | 0.02087 | 0.00000 | 319537.6 | 134526.7 | 183122.1 | S |
| 152.692 | 0.0000 | 0.0000 | 82.313 | 0.02087 | 0.00000 | 319537.6 | 134527.3 | 183122.1 | S |
| 152.700 | 0.0000 | 0.0000 | 82.313 | 0.02087 | 0.00000 | 319537.6 | 134528.0 | 183122.1 | S |
| 152.708 | 0.0000 | 0.0000 | 82.313 | 0.02086 | 0.00000 | 319537.6 | 134528.6 | 183122.1 | S |
| 152.717 | 0.0000 | 0.0000 | 82.313 | 0.02086 | 0.00000 | 319537.6 | 134529.2 | 183122.1 | S |
| 152.725 | 0.0000 | 0.0000 | 82.313 | 0.02086 | 0.00000 | 319537.6 | 134529.9 | 183122.1 | S |
| 152.733 | 0.0000 | 0.0000 | 82.313 | 0.02086 | 0.00000 | 319537.6 | 134530.5 | 183122.1 | S |
| 152.742 | 0.0000 | 0.0000 | 82.313 | 0.02086 | 0.00000 | 319537.6 | 134531.1 | 183122.1 | S |
| 152.750 | 0.0000 | 0.0000 | 82.312 | 0.02085 | 0.00000 | 319537.6 | 134531.7 | 183122.1 | S |
| 152.758 | 0.0000 | 0.0000 | 82.312 | 0.02085 | 0.00000 | 319537.6 | 134532.4 | 183122.1 | S |
| 152.767 | 0.0000 | 0.0000 | 82.312 | 0.02085 | 0.00000 | 319537.6 | 134533.0 | 183122.7 | S |
| 152.775 | 0.0000 | 0.0000 | 82.312 | 0.02085 | 0.00000 | 319537.6 | 134533.6 | 183122.1 | S |
| 152.783 | 0.0000 | 0.0000 | 82.312 | 0.02085 | 0.00000 | 319537.6 | 134534.2 | 183122.1 | S |
| 152.792 | 0.0000 | 0.0000 | 82.312 | 0.02084 | 0.00000 | 319537.6 | 134534.9 | 183122.1 | S |
| 152.800 | 0.0000 | 0.0000 | 82.312 | 0.02084 | 0.00000 | 319537.6 | 134535.5 | 183122.1 | S |
| 152.808 | 0.0000 | 0.0000 | 82.312 | 0.02084 | 0.00000 | 319537.6 | 134536.1 | 183122.1 | S |
| 152.817 | 0.0000 | 0.0000 | 82.312 | 0.02084 | 0.00000 | 319537.6 | 134536.7 | 183122.1 | S |
| 152.825 | 0.0000 | 0.0000 | 82.312 | 0.02083 | 0.00000 | 319537.6 | 134537.4 | 183122.1 | S |
| 152.833 | 0.0000 | 0.0000 | 82.312 | 0.02083 | 0.00000 | 319537.6 | 134538.0 | \$83122.1 | S |
| 152.842 | 0.0000 | 0.0000 | 82.311 | 0.02083 | 0.00000 | 319537.6 | 134538.6 | 183122.1 | S |
| 152.850 | 0.0000 | 0.0000 | 82.311 | 0.02083 | 0.00000 | 319537.6 | 134539.2 | 183122.1 | S |
| 152.858 | 0.0000 | 0.0000 | 82.311 | 0.02083 | 0.00000 | 319537.6 | 134539.9 | 183122.1 | S |
| 152.867 | 0.0000 | 0.0000 | 82.311 | 0.02082 | 0.00000 | 319537.6 | 134540.5 | 183122.1 | S |
| 152.875 | 0.0000 | 0.0000 | 82.311 | 0.02082 | 0.00000 | 319537.6 | 134541.1 | 183122.1 | S |
| 152.883 | 0.0000 | 0.0000 | 82.311 | 0.02082 | 0.00000 | 319537.6 | 134541.7 | 183122.1 | S |
| 152.892 | 0.0000 | 0.0000 | 82.311 | 0.02082 | 0.00000 | 319537.6 | 134542.4 | 183122.1 | S |
| 152.900 | 0.0000 | 0.0000 | 82.311 | 0.02082 | 0.00000 | 319537.6 | 134543.0 | 183122.1 | S |
| 152.908 | 0.0000 | 0.0000 | 82.311 | 0.02081 | 0.00000 | 319537.6 | 134543.6 | 183122.1 | S |
| 152.917 | 0.0000 | 0.0000 | 82.311 | 0.02081 | 0.00000 | 319537.6 | 134544.2 | 183122.1 | S |
| 152.925 | 0.0000 | 0.0000 | 82.310 | 0.02081 | 0.00000 | 319537.6 | 134544.9 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( f $1 / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 152.933 | 0.0000 | 0.0000 | 82.310 | 0.02081 | 0.00000 | 319537.6 | 134545.5 | 183122.1 | S |
| 152.942 | 0.0000 | 0.0000 | 82.310 | 0.02080 | 0.00000 | 319537.6 | 134546.1 | 183122.1 | S |
| 152.950 | 0.0000 | 0.0000 | 82.310 | 0.02080 | 0.00000 | 319537.6 | 134546.7 | 183122.1 | S |
| 152.958 | 0.0000 | 0.0000 | 82.310 | 0.02080 | 0.00000 | 319537.6 | 134547.3 | 183122.1 | S |
| 152.967 | 0.0000 | 0.0000 | 82.310 | 0.02080 | 0.00000 | 319537.6 | 134548.0 | 183122.1 | S |
| 152.975 | 0.0000 | 0.0000 | 82.310 | 0.02080 | 0.00000 | 319537.6 | 134548.6 | 183122.1 | S |
| 152.983 | 0.0000 | 0.0000 | 82.310 | 0.02079 | 0.00000 | 319537.6 | 134549.2 | 183122.1 | S |
| 152.992 | 0.0000 | 0.0000 | 82.310 | 0.02079 | 0.00000 | 319537.6 | 134549.8 | 183122.1 | S |
| 153.000 | 0.0000 | 0.0000 | 82.310 | 0.02079 | 0.00000 | 319537.6 | 134550.5 | 183122.1 | S |
| 153.008 | 0.0000 | 0.0000 | 82.309 | 0.02079 | 0.00000 | 319537.6 | 134551.1 | 183122.1 | S |
| 153.017 | 0.0000 | 0.0000 | 82.309 | 0.02079 | 0.00000 | 319537.6 | 134551.7 | 183122.1 | S |
| 153.025 | 0.0000 | 0.0000 | 82.309 | 0.02078 | 0.00000 | 319537.6 | 134552.3 | 183122.1 | S |
| 153.033 | 0.0000 | 0.0000 | 82.309 | 0.02078 | 0.00000 | 319537.6 | 134553.0 | 183122.1 | S |
| 153.042 | 0.0000 | 0.0000 | 82.309 | 0.02078 | 0.00000 | 319537.6 | 134553.6 | 183122.1 | S |
| 153.050 | 0.0000 | 0.0000 | 82.309 | 0.02078 | 0.00000 | 319537.6 | 134554.2 | 183122.1 | S |
| 153.058 | 0.0000 | 0.0000 | 82.309 | 0.02078 | 0.00000 | 319537.6 | 134554.8 | 183122.1 | S |
| 153.067 | 0.0000 | 0.0000 | 82.309 | 0.02077 | 0.00000 | 319537.6 | 134555.5 | 183122.1 | S |
| 153.075 | 0.0000 | 0.0000 | 82.309 | 0.02077 | 0.00000 | 319537.6 | 134556.1 | 183122.1 | S |
| 153.083 | 0.0000 | 0.0000 | 82.309 | 0.02077 | 0.00000 | 319537.6 | 134556.7 | 183122.1 | S |
| \$53.092 | 0.0000 | 0.0000 | 82.308 | 0.02077 | 0.00000 | 319537.6 | 134557.3 | 183122.4 | S |
| 153.100 | 0.0000 | 0.0000 | 82.308 | 0.02076 | 0.00000 | 319537.6 | 134558.0 | 183122.1 | S |
| 153.108 | 0.0000 | 0.0000 | 82.308 | 0.02076 | 0.00000 | 319537.6 | 134558.6 | 183122.1 | S |
| 153.117 | 0.0000 | 0.0000 | 82.308 | 0.02076 | 0.00000 | 319537.6 | 134559.2 | 183122.1 | S |
| 153.125 | 0.0000 | 0.0000 | 82.308 | 0.02076 | 0.00000 | 319537.6 | 134559.8 | 183 | S |
| 153.133 | 0.0000 | 0.0000 | 82.308 | 0.02076 | 0.00000 | 319537.6 | 134560.4 | 183122.1 | S |
| 153.142 | 0.0000 | 0.0000 | 82.308 | 0.02075 | 0.00000 | 319537.6 | 134561.1 | 183122.1 | S |
| 153.150 | 0.0000 | 0.0000 | 82.308 | 0.02075 | 0.00000 | 319537.6 | 134561.7 | 183122.1 | S |
| 153.158 | 0.0000 | 0.0000 | 82.308 | 0.02075 | 0.00000 | 319537.6 | 134562.3 | 183122.1 | S |
| 153.167 | 0.0000 | 0.0000 | 82.308 | 0.02075 | 0.00000 | 319537.6 | 134562.9 | 183122.1 | S |
| 153.175 | 0.0000 | 0.0000 | 82.307 | 0.02075 | 0.00000 | 319537.6 | 134563.5 | 183122.1 | S |
| 153.183 | 0.0000 | 0.0000 | 82.307 | 0.02074 | 0.00000 | 319537.6 | 134564.2 | 183122.1 | S |
| 153.192 | 0.0000 | 0.0000 | 82.307 | 0.02074 | 0.00000 | 319537.6 | 134564.8 | 183122.1 | S |
| 153.200 | 0.0000 | 0.0000 | 82.307 | 0.02074 | 0.00000 | 319537.6 | 134565.4 | 183122.1 | S |
| 153.208 | 0.0000 | 0.0000 | 82.307 | 0.02074 | 0.00000 | 319537.6 | 134566.0 | 183122.1 | S |
| 153.217 | 0.0000 | 0.0000 | 82.307 | 0.02073 | 0.00000 | 319537.6 | 134566.7 | 183122.1 | S |
| 153.225 | 0.0000 | 0.0000 | 82.307 | 0.02073 | 0.00000 | 319537.6 | 134567.3 | 183122.1 | S |
| 153.233 | 0.0000 | 0.0000 | 82.307 | 0.02073 | 0.00000 | 319537.6 | 134567.9 | 183122.1 | S |
| 153.242 | 0.0000 | 0.0000 | 82.307 | 0.02073 | 0.00000 | 319537.6 | 134568.5 | 183122.1 | S |
| 153.250 | 0.0000 | 0.0000 | 82.307 | 0.02073 | 0.00000 | 319537.6 | 134569.2 | 183122.1 | S |
| 153.258 | 0.0000 | 0.0000 | 82.306 | 0.02072 | 0.00000 | 319537.6 | 134569.8 | 183122.1 | S |
| 153.267 | 0.0000 | 0.0000 | 82.306 | 0.02072 | 0.00000 | 319537.6 | 134570.4 | 183122.1 | S |
| 153.275 | 0.0000 | 0.0000 | 82.306 | 0.02072 | 0.00000 | 319537.6 | 134571.0 | \$83122.1 | S |
| 153.283 | 0.0000 | 0.0000 | 82.306 | 0.02072 | 0.00000 | 319537.6 | 134571.6 | 183122.1 | S |
| 153.292 | 0.0000 | 0.0000 | 82.306 | 0.02072 | 0.00000 | 319537.6 | 134572.3 | 183122.1 | S |
| 153.300 | 0.0000 | 0.0000 | 82.306 | 0.02071 | 0.00000 | 319537.6 | 134572.9 | 183122.1 | S |
| 153.308 | 0.0000 | 0.0000 | 82.306 | 0.02071 | 0.00000 | 319537.6 | 134573.5 | 183122.1 | S |
| 153.317 | 0.0000 | 0.0000 | 82.306 | 0.02071 | 0.00000 | 319537.6 | 134574.1 | 183122.1 | S |
| 153.325 | 0.0000 | 0.0000 | 82.306 | 0.02071 | 0.00000 | 319537.6 | 134574.8 | 183122.1 | S |
| 153.333 | 0.0000 | 0.0000 | 82.306 | 0.02071 | 0.00000 | 319537.6 | 134575.4 | 183122.1 | S |
| 153.342 | 0.0000 | 0.0000 | 82.305 | 0.02070 | 0.00000 | 319537.6 | 134576.0 | 183122.1 | S |
| 153.350 | 0.0000 | 0.0000 | 82.305 | 0.02070 | 0.00000 | 319537.6 | 134576.6 | 183122.1 | S |
| 153.358 | 0.0000 | 0.0000 | 82.305 | 0.02070 | 0.00000 | 319537.6 | 134577.2 | 183122.1 | S |
| 153.367 | 0.0000 | 0.0000 | 82.305 | 0.02070 | 0.00000 | 319537.6 | 134577.8 | 183122.1 | S |
| 153.375 | 0.0000 | 0.0000 | 82.305 | 0.02069 | 0.00000 | 319537.6 | 134578.5 | 183122.1 | S |
| 153.383 | 0.0000 | 0.0000 | 82.305 | 0.02069 | 0.00000 | 319537.6 | 134579.1 | 183122.1 | S |
| 153.392 | 0.0000 | 0.0000 | 82.305 | 0.02069 | 0.00000 | 319537.6 | 134579.7 | 183122.1 | S |
| 153.400 | 0.0000 | 0.0000 | 82.305 | 0.02069 | 0.00000 | 319537.6 | 134580.3 | 183122.1 | S |
| 153.408 | 0.0000 | 0.0000 | 82.305 | 0.02069 | 0.00000 | 319537.6 | 134581.0 | 183122.1 | S |
| 153.417 | 0.0000 | 0.0000 | 82.305 | 0.02068 | 0.00000 | 319537.6 | 134581.6 | 183122.1 | S |
| 153.425 | 0.0000 | 0.0000 | 82.304 | 0.02068 | 0.00000 | 319537.6 | 134582.2 | 183122.1 | S |
| 153.433 | 0.0000 | 0.0000 | 82.304 | 0.02068 | 0.00000 | 319537.6 | 134582.8 | 183122.1 | S |
| 153.442 | 0.0000 | 0.0000 | 82.304 | 0.02068 | 0.00000 | 319537.6 | 134583.4 | 183122.1 | S |
| 153.450 | 0.0000 | 0.0000 | 82.304 | 0.02068 | 0.00000 | 319537.6 | 134584.1 | 183122.1 | S |
| 153.458 | 0.0000 | 0.0000 | 82.304 | 0.02067 | 0.00000 | 319537.6 | 134584.7 | 183122.1 | S |
| 153.467 | 0.0000 | 0.0000 | 82.304 | 0.02067 | 0.00000 | 319537.6 | 134585.3 | 183122.1 | S |
| 153.475 | 0.0000 | 0.0000 | 82.304 | 0.02067 | 0.00000 | 319537.6 | 134585.9 | 183122.1 | S |
| 153.483 | 0.0000 | 0.0000 | 82.304 | 0.02067 | 0.00000 | 319537.6 | 134586.5 | 183122.1 | S |
| 153.492 | 0.0000 | 0.0000 | 82.304 | 0.02066 | 0.00000 | 319537.6 | 134587.2 | 183122.1 | S |
| 153.500 | 0.0000 | 0.0000 | 82.304 | 0.02066 | 0.00000 | 319537.6 | 134587.8 | 183122.1 | S |
| 153.508 | 0.0000 | 0.0000 | 82.303 | 0.02066 | 0.00000 | 319537.6 | 134588.4 | 183122.1 | S |
| 153.517 | 0.0000 | 0.0000 | 82.303 | 0.02066 | 0.00000 | 319537.6 | 134589.0 | 183122.1 | S |
| 153.525 | 0.0000 | 0.0000 | 82.303 | 0.02066 | 0.00000 | 319537.6 | 134589.6 | 183122.1 | S |
| 153.533 | 0.0000 | 0.0000 | 82.303 | 0.02065 | 0.00000 | 319537.6 | 134590.3 | 183122.1 | S |
| 153.542 | 0.0000 | 0.0000 | 82.303 | 0.02065 | 0.00000 | 319537.6 | 134590.9 | $183\} 22.1$ | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infititration Volume ( $\mathrm{fl}^{3}$ ) | Cumulative <br> Discharge <br> Volume ( $\mathrm{fl}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 153.550 | 0.0000 | 0.0000 | 82.303 | 0.02065 | 0.00000 | 319537.6 | 134591.5 | 183122.1 | S |
| 153.558 | 0.0000 | 0.0000 | 82.303 | 0.02065 | 0.00000 | 319537.6 | 134592.1 | 183122.1 | S |
| 153.567 | 0.0000 | 0.0000 | 82.303 | 0.02065 | 0.00000 | 319537.6 | 134592.7 | 183122.1 | S |
| 153.575 | 0.0000 | 0.0000 | 82.303 | 0.02064 | 0.00000 | 319537.6 | 134593.4 | 183122.1 | S |
| 153.583 | 0.0000 | 0.0000 | 82.303 | 0.02064 | 0.00000 | 319537.6 | 134594.0 | 183122.1 | S |
| 153.592 | 0.0000 | 0.0000 | 82.302 | 0.02064 | 0.00000 | 319537.6 | 134594.6 | 183122.1 | S |
| 153.600 | 0.0000 | 0.0000 | 82.302 | 0.02064 | 0.00000 | 319537.6 | 134595.2 | 183122.1 | S |
| 153.608 | 0.0000 | 0.0000 | 82.302 | 0.02064 | 0.00000 | 319537.6 | 134595.8 | 183122.1 | S |
| 153.617 | 0.0000 | 0.0000 | 82,302 | 0.02063 | 0.00000 | 319537.6 | 134596.5 | 183122.1 | S |
| 153.625 | 0.0000 | 0.0000 | 82.302 | 0.02063 | 0.00000 | 319537.6 | 134597.1 | 183122.1 | S |
| 153.633 | 0.0000 | 0.0000 | 82.302 | 0.02063 | 0.00000 | 319537.6 | 134597.7 | 183122.1 | S |
| 153.642 | 0.0000 | 0.0000 | 82.302 | 0.02063 | 0.00000 | 319537.6 | 134598.3 | 183122.1 | S |
| 153.650 | 0.0000 | 0.0000 | 82.302 | 0.02062 | 0.00000 | 319537.6 | 134598.9 | 183122.1 | S |
| 153.658 | 0.0000 | 0.0000 | 82.302 | 0.02062 | 0.00000 | 319537.6 | 134599.5 | 183122.1 | S |
| 153.667 | 0.0000 | 0.0000 | 82.302 | 0.02062 | 0.00000 | 319537.6 | 134600.2 | 183122.1 | S |
| 153.675 | 0.0000 | 0.0000 | 82.302 | 0.02062 | 0.00000 | 319537.6 | 134600.8 | 183122.1 | S |
| 153.683 | 0.0000 | 0.0000 | 82.301 | 0.02062 | 0.00000 | 319537.6 | 134601.4 | 183122.1 | S |
| 153.692 | 0.0000 | 0.0000 | 82.301 | 0.02061 | 0.00000 | 319537.6 | 134602.0 | 183122.1 | S |
| 153.700 | 0.0000 | 0.0000 | 82.301 | 0.02061 | 0.00000 | 319537.6 | 134602.6 | 183122.1 | S |
| 153.708 | 0.0000 | 0.0000 | 82.301 | 0.02061 | 0.00000 | 319537.6 | 134603.3 | 183122.1 | S |
| 153.717 | 0.0000 | 0.0000 | 82.301 | 0.02061 | 0.00000 | 319537.6 | 134603.9 | 183122.1 | S |
| 153.725 | 0.0000 | 0.0000 | 82.301 | 0.02061 | 0.00000 | 319537.6 | 134604.5 | 183122.1 | S |
| 153.733 | 0.0000 | 0.0000 | 82.301 | 0.02060 | 0.00000 | 319537.6 | 134 | 183122.1 | S |
| 153.742 | 0.0000 | 0.0000 | 82.301 | 0.02060 | 0.00000 | 319537.6 | 134605.7 | 183122.1 | S |
| 153.750 | 0.0000 | 0.0000 | 82.301 | 0.02060 | 0.00000 | 319537.6 | 134606.3 | 183122.1 | S |
| 153.758 | 0.0000 | 0.0000 | 82.301 | 0.02060 | 0.00000 | 319537.6 | 134607.0 | 183122.1 | S |
| 153.767 | 0.0000 | 0.0000 | 82.300 | 0.02060 | 0.00000 | 319537.6 | 134607.6 | 183 | S |
| 153.775 | 0.0000 | 0.0000 | 82.300 | 0.02059 | 0.00000 | 319537.6 | 134608.2 | 183122.1 | S |
| 153.783 | 0.0000 | 0.0000 | 82.300 | 0.02059 | 0.00000 | 319537.6 | 134608.8 | 183122.1 | S |
| 153.792 | 0.0000 | 0.0000 | 82.300 | 0.02059 | 0.00000 | 319537.6 | 134609.4 | 183122.1 | S |
| 153.800 | 0.0000 | 0.0000 | 82.300 | 0.02059 | 0.00000 | 319537.6 | 134610.0 | 183122.1 | S |
| 153.808 | 0.0000 | 0.0000 | 82.300 | 0.02059 | 0.00000 | 319537.6 | 134610.7 | 183122.1 | 5 |
| 153.817 | 0.0000 | 0.0000 | 82.300 | 0.02058 | 0.00000 | 319537.6 | 134611.3 | 183122.1 | S |
| 153.825 | 0.0000 | 0.0000 | 82.300 | 0.02058 | 0.00000 | 319537.6 | 134611.9 | 183122.1 | S |
| 153.833 | 0.0000 | 0.0000 | 82.300 | 0.02058 | 0.00000 | 319537.6 | 134612.5 | 183122.1 | S |
| 153.842 | 0.0000 | 0.0000 | 82.300 | 0.02058 | 0.00000 | 319537.6 | 134613.1 | 183122.1 | S |
| 153.850 | 0.0000 | 0.0000 | 82.299 | 0.02057 | 0.00000 | 319537.6 | 134613.8 | 183122.1 | S |
| 153.858 | 0.0000 | 0.0000 | 82.299 | 0.02057 | 0.00000 | 319537.6 | 134614.4 | 183122.1 | S |
| 153.867 | 0.0000 | 0.0000 | 82.299 | 0.02057 | 0.00000 | 319537.6 | 134615.0 | 183122.1 | S |
| 153.875 | 0.0000 | 0.0000 | 82.299 | 0.02057 | 0.00000 | 319537.6 | 134615.6 | 183122.1 | S |
| 153.883 | 0.0000 | 0.0000 | 82.299 | 0.02057 | 0.00000 | 319537.6 | 134616.2 | 183122.1 | S |
| 153.892 | 0.0000 | 0.0000 | 82.299 | 0.02056 | 0.00000 | 319537.6 | 134616.8 | 183122.1 | S |
| 153.900 | 0.0000 | 0.0000 | 82.299 | 0.02056 | 0.00000 | 319537.6 | 134617.5 | 183122.1 | S |
| 153.908 | 0.0000 | 0.0000 | 82.299 | 0.02056 | 0.00000 | 319537.6 | 134618.1 | 183122.1 | S |
| 153.917 | 0.0000 | 0.0000 | 82.299 | 0.02056 | 0.00000 | 319537.6 | 134618.7 | 183122.1 | S |
| 153.925 | 0.0000 | 0.0000 | 82.299 | 0.02056 | 0.00000 | 319537.6 | 134619.3 | 183122.1 | S |
| 153.933 | 0.0000 | 0.0000 | 82.298 | 0.02055 | 0.00000 | 319537.6 | 134619.9 | 183122.1 | S |
| 153.942 | 0.0000 | 0.0000 | 82.298 | 0.02055 | 0.00000 | 319537.6 | 134620.5 | 183122.1 | S |
| 153.950 | 0.0000 | 0.0000 | 82.298 | 0.02055 | 0.00000 | 319537.6 | 134621.2 | 183122.1 | S |
| 153.958 | 0.0000 | 0.0000 | 82.298 | 0.02055 | 0.00000 | 319537.6 | 134621.8 | 183122.1 | S |
| 153.967 | 0.0000 | 0.0000 | 82.298 | 0.02055 | 0.00000 | 319537.6 | 134622.4 | 183122.1 | S |
| 153.975 | 0.0000 | 0.0000 | 82.298 | 0.02054 | 0.00000 | 319537.6 | 134623.0 | 183722.1 | S |
| 153.983 | 0.0000 | 0.0000 | 82.298 | 0.02054 | 0.00000 | 319537.6 | 134623.6 | \$83122.1 | S |
| 153.992 | 0.0000 | 0.0000 | 82.298 | 0.02054 | 0.00000 | 319537.6 | 134624.2 | 183122.1 | S |
| 154.000 | 0.0000 | 0.0000 | 82.298 | 0.02054 | 0.00000 | 319537.6 | 134624.9 | 183122.1 | S |
| 154.008 | 0.0000 | 0.0000 | 82.298 | 0.02053 | 0.00000 | 319537.6 | 134625.5 | 183122.1 | S |
| 154.017 | 0.0000 | 0.0000 | 82.297 | 0.02053 | 0.00000 | 319537.6 | 134626.1 | 183122.1 | S |
| 154.025 | 0.0000 | 0.0000 | 82.297 | 0.02053 | 0.00000 | 319537.6 | 134626.7 | 183122.1 | S |
| 154.033 | 0.0000 | 0.0000 | 82.297 | 0.02053 | 0.00000 | 319537.6 | 134627.3 | 183122.1 | S |
| 154.042 | 0.0000 | 0.0000 | 82.297 | 0.02053 | 0.00000 | 319537.6 | 134627.9 | 183122.1 | S |
| 154.050 | 0.0000 | 0.0000 | 82.297 | 0.02052 | 0.00000 | 319537.6 | 134628.5 | 183122.1 | S |
| 154.058 | 0.0000 | 0.0000 | 82.297 | 0.02052 | 0.00000 | 319537.6 | 134629.2 | 183122.1 | S |
| 154.067 | 0.0000 | 0.0000 | 82.297 | 0.02052 | 0.00000 | 319537.6 | 134629.8 | 183122.1 | S |
| 154.075 | 0.0000 | 0.0000 | 82.297 | 0.02052 | 0.00000 | 319537.6 | 134630.4 | 183122.1 | S |
| 154.083 | 0.0000 | 0.0000 | 82.297 | 0.02052 | 0.00000 | 319537.6 | 134631.0 | 183122.1 | S |
| 154.092 | 0.0000 | 0.0000 | 82.297 | 0.02051 | 0.00000 | 319537.6 | 134631.6 | 183122.1 | S |
| 154.100 | 0.0000 | 0.0000 | 82.296 | 0.02051 | 0.00000 | 319537.6 | 134632.3 | 183122.1 | S |
| 154.108 | 0.0000 | 0.0000 | 82.296 | 0.02051 | 0.00000 | 319537.6 | 134632.9 | 183122.1 | S |
| 154.117 | 0.0000 | 0.0000 | 82.296 | 0.02051 | 0.00000 | 319537.6 | 134633.5 | 183122.1 | S |
| 154.125 | 0.0000 | 0.0000 | 82.296 | 0.02051 | 0.00000 | 319537.6 | 134634.1 | 183122.1 | S |
| 154.133 | 0.0000 | 0.0000 | 82.296 | 0.02050 | 0.00000 | 319537.6 | 134634.7 | 183122.1 | S |
| 154.142 | 0.0000 | 0.0000 | 82.296 | 0.02050 | 0.00000 | 319537.6 | 134635.3 | 183122.1 | S |
| 154.150 | 0.0000 | 0.0000 | 82.296 | 0.02050 | 0.00000 | 319537.6 | 134635.9 | 183122.1 | S |
| 154.158 | 0.0000 | 0.0000 | 82.296 | 0.02050 | 0.00000 | 319537.6 | 134636.5 | \$83122.1 | S |

# PONDS Version 3.2.0207 

Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) $\because:$ Scenario $1::$ pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | inflow Rate (ft/s) | Outside Recharge (flday) | Stage Elevation (fl datum) | Infiltration Rate ( $\mathrm{f} 3 / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Voiume ( $\mathrm{ft}^{3}$ ) | Cumulative \{nfiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 154.167 | 0.0000 | 0.0000 | 82.296 | 0.02050 | 0.00000 | 319537.6 | 134637.2 | 183122.1 | S |
| 154.175 | 0.0000 | 0.0000 | 82.296 | 0.02049 | 0.00000 | 319537.6 | 134637.8 | 183122.1 | S |
| 154.183 | 0.0000 | 0.0000 | 82.296 | 0.02049 | 0.00000 | 319537.6 | 134638.4 | 183122.1 | S |
| 154.192 | 0.0000 | 0.0000 | 82.295 | 0.02049 | 0.00000 | 319537.6 | 134639.0 | 183122.1 | S |
| 154.200 | 0.0000 | 0.0000 | 82.295 | 0.02049 | 0.00000 | 319537.6 | 134639.6 | 183122.1 | S |
| 154.208 | 0.0000 | 0.0000 | 82.295 | 0.02048 | 0.00000 | 319537.6 | 134640.2 | 183122.1 | S |
| 154.217 | 0.0000 | 0.0000 | 82.295 | 0.02048 | 0.00000 | 319537.6 | 134640.9 | 183122.1 | S |
| 154.225 | 0.0000 | 0.0000 | 82.295 | 0.02048 | 0.00000 | 319537.6 | 134641.5 | 183122.1 | S |
| 154.233 | 0.0000 | 0.0000 | 82.295 | 0.02048 | 0.00000 | 319537.6 | 134642.1 | 183122.1 | S |
| 154.242 | 0.0000 | 0.0000 | 82.295 | 0.02048 | 0.00000 | 319537.6 | 134642.7 | 183122.1 | S |
| 154.250 | 0.0000 | 0.0000 | 82.295 | 0.02047 | 0.00000 | 319537.6 | 134643.3 | 183122.1 | S |
| 154.258 | 0.0000 | 0.0000 | 82.295 | 0.02047 | 0.00000 | 319537.6 | 134643.9 | 183122.1 | S |
| 154.267 | 0.0000 | 0.0000 | 82.295 | 0.02047 | 0.00000 | 319537.6 | 134644.5 | 183122.1 | S |
| 154.275 | 0.0000 | 0.0000 | 82.294 | 0.02047 | 0.00000 | 319537.6 | 134645.2 | 183122.1 | S |
| 154.283 | 0.0000 | 0.0000 | 82.294 | 0.02047 | 0.00000 | 319537.6 | 134645.8 | 183122.1 | S |
| 154.292 | 0.0000 | 0.0000 | 82.294 | 0.02046 | 0.00000 | 319537.6 | 134646.4 | 183122.1 | S |
| 154.300 | 0.0000 | 0.0000 | 82.294 | 0.02046 | 0.00000 | 319537.6 | 134647.0 | 183122.1 | S |
| 154.308 | 0.0000 | 0.0000 | 82.294 | 0.02046 | 0.00000 | 319537.6 | 134647.6 | 183122.1 | S |
| 154.317 | 0.0000 | 0.0000 | 82.294 | 0.02046 | 0.00000 | 319537.6 | 134648.2 | 183122.1 | S |
| 154.325 | 0.0000 | 0.0000 | 82.294 | 0.02046 | 0.00000 | 319537.6 | 134648.8 | 183122.1 | S |
| 154.333 | 0.0000 | 0.0000 | 82.294 | 0.02045 | 0.00000 | 319537.6 | 134649.5 | $\uparrow 83122.1$ | S |
| 154.342 | 0.0000 | 0.0000 | 82.294 | 0.02045 | 0.00000 | 319537.6 | 134650.1 | 183122.1 | S |
| 154.350 | 0.0000 | 0.0000 | 82.294 | 0.02045 | 0.00000 | 319537.6 | 134650.7 | 183122.1 | S |
| 154.358 | 0.0000 | 0.0000 | 82.293 | 0.02045 | 0.00000 | 319537.6 | 134651.3 | 183122.1 | S |
| 154.367 | 0.0000 | 0.0000 | 82.293 | 0.02045 | 0.00000 | 319537.6 | 134651.9 | 183122.1 | S |
| 154.375 | 0.0000 | 0.0000 | 82.293 | 0.02044 | 0.00000 | 319537.6 | 134652.5 | 183122.1 | S |
| 154.383 | 0.0000 | 0.0000 | 82.293 | 0.02044 | 0.00000 | 319537.6 | 134653.1 | 183122.1 | S |
| 154.392 | 0.0000 | 0.0000 | 82.293 | 0.02044 | 0.00000 | 319537.6 | 134653.8 | 83122.1 | S |
| 154.400 | 0.0000 | 0.0000 | 82.293 | 0.02044 | 0.00000 | 319537.6 | 134654.4 | 183122.1 | S |
| 154.408 | 0.0000 | 0.0000 | 82.293 | 0.02043 | 0.00000 | 319537.6 | 134655.0 | 183122.1 | S |
| 154.417 | 0.0000 | 0.0000 | 82.293 | 0.02043 | 0.00000 | 319537.6 | 134655.6 | 183122.1 | S |
| 154.425 | 0.0000 | 0.0000 | 82.293 | 0.02043 | 0.00000 | 319537.6 | 134656.2 | 183122.1 |  |
| 154.433 | 0.0000 | 0.0000 | 82.293 | 0.02043 | 0.00000 | 319537.6 | 134656.8 | 183122.1 | S |
| 154.442 | 0.0000 | 0.0000 | 82.292 | 0.02043 | 0.00000 | 319537.6 | 134657.4 | 183122.1 | S |
| 154.450 | 0.0000 | 0.0000 | 82.292 | 0.02042 | 0.00000 | 319537.6 | 134658.0 | 183122.1 | S |
| 154.458 | 0.0000 | 0.0000 | 82.292 | 0.02042 | 0.00000 | 319537.6 | 134658.6 | 183122.1 | S |
| 154.467 | 0.0000 | 0.0000 | 82.292 | 0.02042 | 0.00000 | 319537.6 | 134659.3 | 183122.1 | S |
| 154.475 | 0.0000 | 0.0000 | 82.292 | 0.02042 | 0.00000 | 319537.6 | 134659.9 | 183122.1 | S |
| 154.483 | 0.0000 | 0.0000 | 82.292 | 0.02042 | 0.00000 | 319537.6 | 134660.5 | 183122.1 | S |
| 154.492 | 0.0000 | 0.0000 | 82.292 | 0.02041 | 0.00000 | 319537.6 | 134661.1 | 183122.1 | S |
| 154.500 | 0.0000 | 0.0000 | 82.292 | 0.02041 | 0.00000 | 319537.6 | 134661.7 | 183122.1 | S |
| 154.508 | 0.0000 | 0.0000 | 82.292 | 0.02041 | 0.00000 | 319537.6 | 134662.3 | 183122.1 | S |
| 154.517 | 0.0000 | 0.0000 | 82.292 | 0.02041 | 0.00000 | 319537.6 | 134662.9 | 183122.3 | S |
| 154.525 | 0.0000 | 0.0000 | 82.291 | 0.02041 | 0.00000 | 319537.6 | 134663.5 | 183122.1 | S |
| $\{54.533$ | 0.0000 | 0.0000 | 82.291 | 0.02040 | 0.00000 | 319537.6 | 134664.2 | 183122.1 | S |
| 154.542 | 0.0000 | 0.0000 | 82.291 | 0.02040 | 0.00000 | 319537.6 | 134664.8 | 183122.1 | S |
| 154.550 | 0.0000 | 0.0000 | 82.291 | 0.02040 | 0.00000 | 319537.6 | 134665.4 | 183122.1 | S |
| 154.558 | 0.0000 | 0.0000 | 82.291 | 0.02040 | 0.00000 | 319537.6 | 134666.0 | 183122.1 | S |
| 154.567 | 0.0000 | 0.0000 | 82.291 | 0.02040 | 0.00000 | 319537.6 | 134666.6 | 183122.1 | S |
| 154.575 | 0.0000 | 0.0000 | 82.291 | 0.02039 | 0.00000 | 319537.6 | 134667.2 | 183122.1 | S |
| 154.583 | 0.0000 | 0.0000 | 82.291 | 0.02039 | 0.00000 | 319537.6 | 134667.8 | 183122.1 | S |
| \{54.592 | 0.0000 | 0.0000 | 82.291 | 0.02039 | 0.00000 | 319537.6 | 134668.4 | 183122.1 | S |
| 154.600 | 0.0000 | 0.0000 | 82.291 | 0.02039 | 0.00000 | 319537.6 | 134669.0 | 183122.1 | S |
| 154.608 | 0.0000 | 0.0000 | 82.291 | 0.02039 | 0.00000 | 319537.6 | 134669.7 | 183122.1 | S |
| 154.617 | 0.0000 | 0.0000 | 82.290 | 0.02038 | 0.00000 | 319537.6 | 134670.3 | 183122.1 | S |
| 154.625 | 0.0000 | 0.0000 | 82.290 | 0.02038 | 0.00000 | 319537.6 | 134670.9 | 183122.1 | S |
| 154.633 | 0.0000 | 0.0000 | 82.290 | 0.02038 | 0.00000 | 319537.6 | 134671.5 | 183122.1 | S |
| 154.642 | 0.0000 | 0.0000 | 82.290 | 0.02038 | 0.00000 | 319537.6 | 134672.1 | 183122.1 | S |
| 154.650 | 0.0000 | 0.0000 | 82.290 | 0.02037 | 0.00000 | 319537.6 | 134672.7 | 183122.1 | S |
| 154.658 | 0.0000 | 0.0000 | 82.290 | 0.02037 | 0.00000 | 319537.6 | 134673.3 | 183122.1 | S |
| 154.667 | 0.0000 | 0.0000 | 82.290 | 0.02037 | 0.00000 | 319537.6 | 134673.9 | 183122.1 | S |
| 154.675 | 0.0000 | 0.0000 | 82.290 | 0.02037 | 0.00000 | 319537.6 | 134674.6 | 183122.1 | S |
| 154.683 | 0.0000 | 0.0000 | 82.290 | 0.02037 | 0.00000 | 319537.6 | 134675.2 | 183122.1 | S |
| 154.692 | 0.0000 | 0.0000 | 82.290 | 0.02036 | 0.00000 | 319537.6 | 134675.8 | 183122.1 | S |
| 154.700 | 0.0000 | 0.0000 | 82.289 | 0.02036 | 0.00000 | 319537.6 | 134676.4 | 183122.1 | S |
| 154.708 | 0.0000 | 0.0000 | 82.289 | 0.02036 | 0.00000 | 319537.6 | 134677.0 | 183122.1 | S |
| 154.717 | 0.0000 | 0.0000 | 82.289 | 0.02036 | 0.00000 | 319537.6 | 134677.6 | 183122.1 | S |
| 154.725 | 0.0000 | 0.0000 | 82.289 | 0.02036 | 0.00000 | 319537.6 | $\{34678.2$ | 183122.1 | S |
| 154.733 | 0.0000 | 0.0000 | 82.289 | 0.02035 | 0.00000 | 319537.6 | 134678.8 | 183122.1 | S |
| 154.742 | 0.0000 | 0.0000 | 82.289 | 0.02035 | 0.00000 | 319537.6 | 134679.4 | 183122.1 | S |
| 154.750 | 0.0000 | 0.0000 | 82.289 | 0.02035 | 0.00000 | 319537.6 | 134680.0 | 183122.1 | S |
| 154.758 | 0.0000 | 0.0000 | 82.289 | 0.02035 | 0.00000 | 319537.6 | 134680.7 | 183122.1 | S |
| 154.767 | 0.0000 | 0.0000 | 82.289 | 0.02035 | 0.00000 | 319537.6 | 134681.3 | 183122.1 | S |
| 154.775 | 0.0000 | 0.0000 | 82.289 | 0.02034 | 0.00000 | 319537.6 | 134681.9 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:. Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (f/day) | Stage Elevation (ft datum) | Infiltration Rate (fishs) | Overflow Discharge ( $\mathrm{H}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 154.783 | 0.0000 | 0.0000 | 82.288 | 0.02034 | 0.00000 | 319537.6 | 134682.5 | 183122.1 | S |
| 154.792 | 0.0000 | 0.0000 | 82.288 | 0.02034 | 0.00000 | 319537.6 | 134683.1 | 183122.1 | S |
| 154.800 | 0.0000 | 0.0000 | 82.288 | 0.02034 | 0.00000 | 319537.6 | 134683.7 | 183122.1 | S |
| 154.808 | 0.0000 | 0.0000 | 82.288 | 0.02034 | 0.00000 | 319537.6 | 134684.3 | 183122.1 | S |
| 154.817 | 0.0000 | 0.0000 | 82,288 | 0.02033 | 0.00000 | 319537.6 | 134684.9 | 183122.1 | S |
| 154.825 | 0.0000 | 0.0000 | 82.288 | 0.02033 | 0.00000 | 319537.6 | 134685.5 | 183122.1 | S |
| 154.833 | 0.0000 | 0.0000 | 82.288 | 0.02033 | 0.00000 | 319537.6 | 134686.2 | 183122.1 | S |
| 154.842 | 0.0000 | 0.0000 | 82.288 | 0.02033 | 0.00000 | 319537.6 | 134686.8 | 183122.1 | S |
| 154.850 | 0.0000 | 0.0000 | 82.288 | 0.02033 | 0.00000 | 319537.6 | 134687.4 | 183122.1 | S |
| 154.858 | 0.0000 | 0.0000 | 82.288 | 0.02032 | 0.00000 | 319537.6 | 134688.0 | 183122.1 | S |
| 154.867 | 0.0000 | 0.0000 | 82.287 | 0.02032 | 0.00000 | 319537.6 | 134688.6 | 183122.1 | S |
| 154.875 | 0.0000 | 0.0000 | 82.287 | 0.02032 | 0.00000 | 319537.6 | 134689.2 | 183122.1 | S |
| 154.883 | 0.0000 | 0.0000 | 82.287 | 0.02032 | 0.00000 | 319537.6 | 134689.8 | 183122.1 | S |
| 154.892 | 0.0000 | 0.0000 | 82.287 | 0.02032 | 0.00000 | 319537.6 | 134690.4 | 183122.1 | S |
| 154.900 | 0.0000 | 0.0000 | 82.287 | 0.02031 | 0.00000 | 319537.6 | 134691.0 | 183122.1 | S |
| 154.908 | 0.0000 | 0.0000 | 82.287 | 0.02031 | 0.00000 | 319537.6 | 134691.6 | 183122.1 | S |
| 154.917 | 0.0000 | 0.0000 | 82.287 | 0.02031 | 0.00000 | 319537.6 | 134692.3 | 183122.1 | S |
| 154.925 | 0.0000 | 0.0000 | 82.287 | 0.02031 | 0.00000 | 319537.6 | 134692.9 | 183122.1 | S |
| 154.933 | 0.0000 | 0.0000 | 82.287 | 0.02030 | 0.00000 | 319537.6 | 134693.5 | 183122.1 | S |
| 154.942 | 0.0000 | 0.0000 | 82.287 | 0.02030 | 0.00000 | 319537.6 | 134694.1 | 183122.1 | S |
| 154.950 | 0.0000 | 0.0000 | 82.287 | 0.02030 | 0.00000 | 319537.6 | 134694.7 | 183122.1 | S |
| 154.958 | 0.0000 | 0.0000 | 82.286 | 0.02030 | 0.00000 | 319537.6 | 134695.3 | 183122.1 | S |
| 154.967 | 0.0000 | 0.0000 | 82.286 | 0.02030 | 0.00000 | 319537.6 | 134695.9 | 183122.1 | S |
| 154.975 | 0.0000 | 0.0000 | 82.286 | 0.02029 | 0.00000 | 319537.6 | 134696.5 | 183122.1 | S |
| 154.983 | 0.0000 | 0.0000 | 82.286 | 0.02029 | 0.00000 | 319537.6 | 134697.1 | 183122.1 | S |
| 154.992 | 0.0000 | 0.0000 | 82.286 | 0.02029 | 0.00000 | 319537.6 | 134697.7 | 183122.1 | S |
| 155.000 | 0.0000 | 0.0000 | 82.286 | 0.02029 | 0.00000 | 319537.6 | 134698.3 | 183122.1 | S |
| 155.008 | 0.0000 | 0.0000 | 82.286 | 0.02029 | 0.00000 | 319537.6 | 134699.0 | 183122.1 | S |
| 155.017 | 0.0000 | 0.0000 | 82.286 | 0.02028 | 0.00000 | 319537.6 | 134699.6 | 183122.1 | S |
| 155.025 | 0.0000 | 0.0000 | 82.286 | 0.02028 | 0.00000 | 319537.6 | 134700.2 | 183122.1 | S |
| 155.033 | 0.0000 | 0.0000 | 82.286 | 0.02028 | 0.00000 | 319537.6 | 134700.8 | 183122.1 | S |
| 155.042 | 0.0000 | 0.0000 | 82.285 | 0.02028 | 0.00000 | 319537.6 | 134701.4 | 183122.1 | S |
| 155.050 | 0.0000 | 0.0000 | 82.285 | 0.02028 | 0.00000 | 319537.6 | 134702.0 | \$83122.1 | S |
| 155.058 | 0.0000 | 0.0000 | 82.285 | 0.02027 | 0.00000 | 319537.6 | 134702.6 | 183122.1 | S |
| 155.067 | 0.0000 | 0.0000 | 82.285 | 0.02027 | 0.00000 | 319537.6 | 134703.2 | 183122.1 | S |
| 155.075 | 0.0000 | 0.0000 | 82.285 | 0.02027 | 0.00000 | 319537.6 | 134703.8 | 183122.1 | S |
| 155.083 | 0.0000 | 0.0000 | 82.285 | 0.02027 | 0.00000 | 319537.6 | 134704.4 | 183122.1 | S |
| 155.092 | 0.0000 | 0.0000 | 82.285 | 0.02027 | 0.00000 | 319537.6 | 134705.0 | 183122.1 | S |
| 155.100 | 0.0000 | 0.0000 | 82.285 | 0.02026 | 0.00000 | 319537.6 | 134705.6 | 183122.1 | S |
| 155.108 | 0.0000 | 0.0000 | 82.285 | 0.02026 | 0.00000 | 319537.6 | 134706.3 | 183122.1 | S |
| 155.117 | 0.0000 | 0.0000 | 82.285 | 0.02026 | 0.00000 | 319537.6 | 134706.9 | 183122.1 | S |
| 155.125 | 0.0000 | 0.0000 | 82.284 | 0.02026 | 0.00000 | 319537.6 | 134707.5 | 183122.1 | S |
| 155.133 | 0.0000 | 0.0000 | 82.284 | 0.02026 | 0.00000 | 319537.6 | 134708.1 | 183122.1 | S |
| 155.142 | 0.0000 | 0.0000 | 82.284 | 0.02025 | 0.00000 | 319537.6 | 134708.7 | 183122.1 | S |
| 155.150 | 0.0000 | 0.0000 | 82.284 | 0.02025 | 0.00000 | 319537.6 | 134709.3 | 183122.1 | S |
| 155.158 | 0.0000 | 0.0000 | 82.284 | 0.02025 | 0.00000 | 319537.6 | 134709.9 | 183122.1 | S |
| 155.167 | 0.0000 | 0.0000 | 82.284 | 0.02025 | 0.00000 | 319537.6 | 134710.5 | 183122.1 | S |
| 155.175 | 0.0000 | 0.0000 | 82.284 | 0.02025 | 0.00000 | 319537.6 | 134711.1 | 183122.1 | S |
| 155.183 | 0.0000 | 0.0000 | 82.284 | 0.02024 | 0.00000 | 319537.6 | 134711.7 | 183122.1 | S |
| 155.192 | 0.0000 | 0.0000 | 82.284 | 0.02024 | 0.00000 | 319537.6 | 134712.3 | 183122.1 | S |
| 155.200 | 0.0000 | 0.0000 | 82.284 | 0.02024 | 0.00000 | 319537.6 | 134712.9 | 183122.1 | S |
| 155.208 | 0.0000 | 0.0000 | 82.283 | 0.02024 | 0.00000 | 319537.6 | 134713.5 | 183122.1 | S |
| 155.217 | 0.0000 | 0.0000 | 82.283 | 0.02024 | 0.00000 | 319537.6 | 134714.1 | 183122.1 | S |
| 155.225 | 0.0000 | 0.0000 | 82.283 | 0.02023 | 0.00000 | 319537.6 | 134714.8 | 183122.1 | S |
| 155.233 | 0.0000 | 0.0000 | 82.283 | 0.02023 | 0.00000 | 319537.6 | 134715.4 | 183122.1 | S |
| 155.242 | 0.0000 | 0.0000 | 82.283 | 0.02023 | 0.00000 | 319537.6 | 134716.0 | 183122.1 | S |
| 155.250 | 0.0000 | 0.0000 | 82.283 | 0.02023 | 0.00000 | 319537.6 | 134716.6 | 183122.1 | S |
| 155.258 | 0.0000 | 0.0000 | 82.283 | 0.02022 | 0.00000 | 319537.6 | 134717.2 | 183122.1 | S |
| 155.267 | 0.0000 | 0.0000 | 82.283 | 0.02022 | 0.00000 | 319637.6 | 134717.8 | 183122.1 | S |
| 155.275 | 0.0000 | 0.0000 | 82.283 | 0.02022 | 0.00000 | 319537.6 | 134718.4 | 183122.1 | S |
| 155.283 | 0.0000 | 0.0000 | 82.283 | 0.02022 | 0.00000 | 319537.6 | 134719.0 | 183122.1 | S |
| 155.292 | 0.0000 | 0.0000 | 82.283 | 0.02022 | 0.00000 | 319537.6 | 134719.6 | 183122.1 | S |
| 155.300 | 0.0000 | 0.0000 | 82.282 | 0.02021 | 0.00000 | 319537.6 | 134720.2 | 183122.1 | S |
| 155.308 | 0.0000 | 0.0000 | 82.282 | 0.02021 | 0.00000 | 319537.6 | 134720.8 | 183122.1 | S |
| 155.317 | 0.0000 | 0.0000 | 82.282 | 0.02021 | 0.00000 | 319537.6 | 134721.4 | 183122.1 | S |
| 155.325 | 0.0000 | 0.0000 | 82.282 | 0.02021 | 0.00000 | 319537.6 | 134722.0 | 183122.1 | S |
| 155.333 | 0.0000 | 0.0000 | 82.282 | 0.02021 | 0.00000 | 319537.6 | 134722.6 | 183122.1 | S |
| 155.342 | 0.0000 | 0.0000 | 82.282 | 0.02020 | 0.00000 | 319537.6 | 134723.3 | 183122.1 | S |
| 155.350 | 0.0000 | 0.0000 | 82.282 | 0.02020 | 0.00000 | 319537.6 | 134723.8 | 183122.1 | S |
| 155.358 | 0.0000 | 0.0000 | 82.282 | 0.02020 | 0.00000 | 319537.6 | 134724.5 | 183122.1 | S |
| 155.367 | 0.0000 | 0.0000 | 82.282 | 0.02020 | 0.00000 | 319537.6 | 134725.1 | 183122.1 | S |
| 155.375 | 0.0000 | 0.0000 | 82.282 | 0.02020 | 0.00000 | 319537.6 | 134725.7 | 183122.1 | S |
| 155.383 | 0.0000 | 0.0000 | 82.281 | 0.02019 | 0.00000 | 319537.6 | 134726.3 | 183122.1 | S |
| 155.392 | 0.0000 | 0.0000 | 82.281 | 0.02019 | 0.00000 | 319537.6 | 134726.9 | $\dagger 83122.1$ | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate (ft/s) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | $\begin{aligned} & \text { Infiltration } \\ & \text { Rate } \\ & \left(\mathrm{f}^{2} / \mathrm{s}\right) \\ & \hline \end{aligned}$ | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ff}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 155.400 | 0.0000 | 0.0000 | 82.281 | 0.02019 | 0.00000 | 319537.6 | 134727.5 | 183122.1 | S |
| 155.408 | 0.0000 | 0.0000 | 82.281 | 0.02019 | 0.00000 | 319537.6 | 134728.1 | 183122.1 | S |
| 155.417 | 0.0000 | 0.0000 | 82.281 | 0.02019 | 0.00000 | 319537.6 | 134728.7 | 183122. | S |
| 155.425 | 0.0000 | 0.0000 | 82.281 | 0.02018 | 0.00000 | 319537.6 | 134729.3 | 183122.1 | S |
| 155.433 | 0.0000 | 0.0000 | 82.281 | 0.02018 | 0.00000 | 319537.6 | 134729.9 | 183122.1 | S |
| 155.442 | 0.0000 | 0.0000 | 82.281 | 0.02018 | 0.00000 | 319537.6 | 134730.5 | 183122 | S |
| 155.450 | 0.0000 | 0.0000 | 82.281 | 0.02018 | 0.00000 | 319537.6 | 134731.1 | 183122.1 | S |
| 155.458 | 0.0000 | 0.0000 | 82.281 | 0.02018 | 0.00000 | 319537.6 | 134731.7 | 183122.1 | S |
| 155.467 | 0.0000 | 0.0000 | 82.280 | 0.02017 | 0.00000 | 319537.6 | 134732.3 | 183122.1 | S |
| 155.475 | 0.0000 | 0.0000 | 82.280 | 0.02017 | 0.00000 | 319537.6 | 134732.9 | 183122.1 | S |
| 155.483 | 0.0000 | 0.0000 | 82.280 | 0.02017 | 0.00000 | 319537.6 | 134733.5 | 183122.1 | S |
| 155.492 | 0.0000 | 0.0000 | 82.280 | 0.02017 | 0.00000 | 319537.6 | 134734.1 | 183122.1 | S |
| 155.500 | 0.0000 | 0.0000 | 82.280 | 0.02017 | 0.00000 | 319537.6 | 134734.8 | 183122.1 | S |
| 155.508 | 0.0000 | 0.0000 | 82.280 | 0.02016 | 0.00000 | 319537.6 | 134735.4 | 183122.1 | S |
| 155.517 | 0.0000 | 0.0000 | 82.280 | 0.02016 | 0.00000 | 319537.6 | 134736.0 | 183122. | S |
| 155.525 | 0.0000 | 0.0000 | 82.280 | 0.02016 | 0.00000 | 319537.6 | 134736.6 134737.2 | 183122.1 | S |
| 155.533 | 0.0000 | 0.0000 | 82.280 | 0.02016 | 0.00000 | 319537.6 319537.6 | 134737.2 134737.8 | 183122.1 | S |
| 155.542 | 0.0000 | 0.0000 | 82.280 | 0.02016 | 0.00000 | 319537.6 | 134738.4 | 183122.1 | S |
| 155.550 | 0.0000 | 0.0000 | 82.280 | 0.02015 | 0.00000 | 319537.6 319537.6 | 134739.0 | 183122.1 | S |
| 155.558 | 0.0000 | 0.0000 | 82.279 | 0.02015 | 0.00000 |  | 134739.6 | 183122.1 | S |
| 155.567 | 0.0000 | 0.0000 | 82.279 | 0.02015 | 0.00000 0.00000 | 319537.6 319537.6 | 134740.2 | 183122.1 | S |
| 155.575 | 0.0000 | 0.0000 | 82.279 | 0.02015 | 0.00000 0.00000 | 319537.6 | 134740.8 | 183122.1 | S |
| 155.583 | 0.0000 | 0.0000 | 82.279 | 0.02015 | 0.00000 | 319537.6 | 134741.4 | 183122.1 | S |
| 155.592 | 0.0000 | 0.0000 | 82.279 | 0.02014 | 0.00000 | 319537.6 | \$34742.0 | 183122.1 | S |
| 155.600 | 0.0000 | 0.0000 | 82.279 | 0.02014 | 0.00000 | 319537.6 | 13474.0 | 1831221 | S |
| 155.608 | 0.0000 | 0.0000 | 82.279 | 0.02014 | 0.00000 | 31953 | 134742.6 | 183122.1 | S |
| 155.617 | 0.0000 | 0.0000 | 82.279 | 0.02014 | 0.00000 | 319537.6 | 134743 | 183122.1 | S |
| 155.625 | 0.0000 | 0.0000 | 82.279 | 0.02014 | 0.00000 | 319537.6 | 134743.8 | 183122.1 | S |
| 155.633 | 0.0000 | 0.0000 | 82.279 | 0.02013 | 0.00000 | 319537.6 | 134744.4 | 183122.1 | S |
| 155.642 | 0.0000 | 0.0000 | 82.278 | 0.02013 | 0.00000 | 319537.6 | 134745.0 | 183122.1 | S |
| 155.650 | 0.0000 | 0.0000 | 82.278 | 0.02013 | 0.00000 | 319537.6 | 134745.6 | 183122.1 | S |
| 155.658 | 0.0000 | 0.0000 | 82.278 | 0.02013 | 0.00000 | 319537.6 | 134746.2 | 183122.1 | S |
| 155.667 | 0.0000 | 0.0000 | 82.278 | 0.02013 | 0.00000 | 319537.6 | 134746.8 | 183122.1 | S |
| 155.675 | 0.0000 | 0.0000 | 82.278 | 0.02012 | 0.00000 | 319537.6 | 134747.4 | 183122.1 | S |
| 155.683 | 0.0000 | 0.0000 | 82.278 | 0.02012 | 0.00000 | 319537.6 | 134748.0 | 83122.1 | S |
| 155.692 | 0.0000 | 0.0000 | 82.278 | 0.02012 | 0.00000 | 319537.6 | 134748.6 | 183122.1 | S |
| 155.700 | 0.0000 | 0.0000 | 82.278 | 0.02012 | 0.00000 | 319537.6 | 134749.3 | 183122.1 | S |
| 155.708 | 0.0000 | 0.0000 | 82.278 | 0.02012 | 0.00000 | 319537.6 | 134749.9 | 183122.1 | S |
| 155.717 | 0.0000 | 0.0000 | 82.278 | 0.02011 | 0.00000 | 319537.6 | 134750.5 | 183122.1 | S |
| 155.725 | 0.0000 | 0.0000 | 82.277 | 0.02011 | 0.00000 | 319537.6 | 134751.1 | 183122.1 | S |
| 155.733 | 0.0000 | 0.0000 | 82.277 | 0.02011 | 0.00000 | 319537.6 | 134751.7 | 183122.1 | S |
| 155.742 | 0.0000 | 0.0000 | 82.277 | 0.02011 | 0.00000 | 319537.6 | 134752.3 | 183122.1 | S |
| 155.750 | 0.0000 | 0.0000 | 82.277 | 0.02010 | 0.00000 | 319537.6 | 134752.9 | 183122.1 | S |
| 155.758 | 0.0000 | 0.0000 | 82.277 | 0.02010 | 0.00000 | 319537.6 | 134753.5 | 183122.1 | S |
| 155.767 | 0.0000 | 0.0000 | 82.277 | 0.02010 | 0.00000 | 319537.6 | 134754.1 | 183122.1 | S |
| 155.775 | 0.0000 | 0.0000 | 82.277 | 0.02010 | 0.00000 | 319537.6 | 134754.7 | 183122.1 | S |
| 155.783 | 0.0000 | 0.0000 | 82.277 | 0.02010 | 0.00000 | 319537.6 | 134755.3 | 183122.1 | S |
| 155.792 | 0.0000 | 0.0000 | 82.277 | 0.02009 | 0.00000 | 319537.6 | 134755.9 | 183122.1 | S |
| 155.800 | 0.0000 | 0.0000 | 82.277 | 0.02009 | 0.00000 | 319537.6 | 134756.5 | 183122.1 | S |
| 155.808 | 0.0000 | 0.0000 | 82.277 | 0.02009 | 0.00000 | 319537.6 | 134757.1 | 183122.1 | S |
| 155.817 | 0.0000 | 0.0000 | 82.276 | 0.02009 | 0.00000 | 319537.6 | 134757.7 | 183122.1 | S |
| 155.825 | 0.0000 | 0.0000 | 82.276 | 0.02009 | 0.00000 | 319537.6 | 134758.3 | 183122.1 | S |
| 155.833 | 0.0000 | 0.0000 | 82.276 | 0.02008 | 0.00000 | 319537.6 | 134758.9 | 183122.1 | S |
| 155.842 | 0.0000 | 0.0000 | 82.276 | 0.02008 | 0.00000 | 319537.6 | 134759.5 | 183122.1 | S |
| 155.850 | 0.0000 | 0.0000 | 82.276 | 0.02008 | 0.00000 | 319537.6 | 134760.1 | 183122.1 | S |
| 155.858 | 0.0000 | 0.0000 | 82.276 | 0.02008 | 0.00000 | 319537.6 | 134760.7 | 183122.1 | S |
| 155.867 | 0.0000 | 0.0000 | 82.276 | 0.02008 | 0.00000 | 319537.6 | 134761.3 | 183122.4 | S |
| 155.875 | 0.0000 | 0.0000 | 82.276 | 0.02007 | 0.00000 | 319537.6 | 134761.9 | 183122.1 | S |
| 155.883 | 0.0000 | 0.0000 | 82.276 | 0.02007 | 0.00000 | 319537.6 | 134762.5 | 183122.1 | S |
| 155.892 | 0.0000 | 0.0000 | 82.276 | 0.02007 | 0.00000 | 319537.6 | 134763.1 | 983122.1 | S |
| 155.900 | 0.0000 | 0.0000 | 82.275 | 0.02007 | 0.00000 | 319537.6 | 134763.7 | 183122.1 | S |
| 155.908 | 0.0000 | 0.0000 | 82.275 | 0.02007 | 0.00000 | 319537.6 | 134764.3 | 183122.1 | S |
| 155.917 | 0.0000 | 0.0000 | 82.275 | 0.02006 | 0.00000 | 319537.6 | 134764.9 | 183122.1 | S |
| 155.925 | 0.0000 | 0.0000 | 82.275 | 0.02006 | 0.00000 | 319537.6 | 134765.5 | 183122.1 | S |
| 155.933 | 0.0000 | 0.0000 | 82.275 | 0.02006 | 0.00000 | 319537.6 | 134766.7 | 183122.1 | S |
| 155.942 | 0.0000 | 0.0000 | 82.275 | 0.02006 | 0.00000 | 319537.6 3195376 |  | 183122.1 | S |
| 155.950 | 0.0000 | 0.0000 | 82.275 | 0.02006 | 0.00000 | 319537.6 319537.6 | 134767.3 134767.9 | 183122.1 | S |
| 155.958 | 0.0000 | 0.0000 | 82.275 | 0.02005 | 0.00000 | 319537.6 | 134767.9 | 183122.1 | S |
| 155.967 | 0.0000 | 0.0000 | 82.275 | 0.02005 | 0.00000 | 319537.6 | 134768.5 | 183122.1 | S |
| 155.975 | 0.0000 | 0.0000 | 82.275 | 0.02005 | 0.00000 | 319537.6 | 134769.1 | 183122.1 | S |
| 155.983 | 0.0000 | 0.0000 | 82.274 | 0.02005 | 0.00000 | 319537.6 | 134769.7 | 183122.1 | S |
| $\uparrow 55.992$ | 0.0000 | 0.0000 | 82.274 | 0.02005 | 0.00000 | 319537.6 | 134770.3 | 183122.1 | S |
| 156.000 | 0.0000 | 0.0000 | 82.274 | 0.02004 | 0.00000 | 319537.6 | 134770.9 | 183122.1 | S |
| 156.008 | 0.0000 | 0.0000 | 82.274 | 0.02004 | 0.00000 | 319537.6 | 134771.5 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{A}^{3 / \mathrm{s}}$ ) | Outside Recharge ( $\mathrm{f} / \mathrm{d}$ day) | Stage Elevation (ft datum) | Infilitration Rate (f $\mathrm{H}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 156.017 | 0.0000 | 0.0000 | 82.274 | 0.02004 | 0.00000 | 319537.6 | 134772.1 | 183122.1 | S |
| 156.025 | 0.0000 | 0.0000 | 82.274 | 0.02004 | 0.00000 | 319537.6 | 134772.7 | 183122.1 | S |
| $\uparrow 56.033$ | 0.0000 | 0.0000 | 82.274 | 0.02004 | 0.00000 | 319537.6 | 134773.3 | 183122.1 | S |
| 156.042 | 0.0000 | 0.0000 | 82.274 | 0.02003 | 0.00000 | 319537.6 | 134773.9 | 183122.1 | S |
| 156.050 | 0.0000 | 0.0000 | 82.274 | 0.02003 | 0.00000 | 319537.6 | 134774.5 | 183122.1 | S |
| 156.058 | 0.0000 | 0.0000 | 82.274 | 0.02003 | 0.00000 | 319537.6 | 134775.1 | 183122.1 | S |
| 156.067 | 0.0000 | 0.0000 | 82.274 | 0.02003 | 0.00000 | 319537.6 | 134775.8 | $183\} 22.1$ | S |
| 156.075 | 0.0000 | 0.0000 | 82.273 | 0.02003 | 0.00000 | 319537.6 | 134776.3 | 183122.1 | S |
| 156.083 | 0.0000 | 0.0000 | 82.273 | 0.02002 | 0.00000 | 319537.6 | 134777.0 | 183122.1 | S |
| 156.092 | 0.0000 | 0.0000 | 82.273 | 0.02002 | 0.00000 | 319537.6 | 134777.5 | 183122.1 | S |
| 156.100 | 0.0000 | 0.0000 | 82.273 | 0.02002 | 0.00000 | 319537.6 | 134778.2 | 183122.1 | S |
| 156.108 | 0.0000 | 0.0000 | 82.273 | 0.02002 | 0.00000 | 319537.6 | 134778.8 | 183122.1 | S |
| 156.117 | 0.0000 | 0.0000 | 82.273 | 0.02002 | 0.00000 | 319537.6 | 134779.3 | 183122.1 | S |
| 156.125 | 0.0000 | 0.0000 | 82.273 | 0.02001 | 0.00000 | 319537.6 | 134780.0 | 183122.1 | S |
| 156.133 | 0.0000 | 0.0000 | 82.273 | 0.02001 | 0.00000 | 319537.6 | 134780.5 | 183122.1 | S |
| 156.142 | 0.0000 | 0.0000 | 82.273 | 0.02001 | 0.00000 | 319537.6 | 134781.2 | 183122.1 | S |
| 156.150 | 0.0000 | 0.0000 | 82.273 | 0.02001 | 0.00000 | 319537.6 | 134781.8 | 183122.1 | S |
| 156.158 | 0.0000 | 0.0000 | 82.272 | 0.02001 | 0.00000 | 319537.6 | 134782.4 | 183122.1 | S |
| 156.167 | 0.0000 | 0.0000 | 82.272 | 0.02000 | 0.00000 | 319537.6 | 134783.0 | 183122.1 | S |
| 156.175 | 0.0000 | 0.0000 | 82.272 | 0.02000 | 0.00000 | 319537.6 | 134783.5 | 183122.1 | S |
| 156.183 | 0.0000 | 0.0000 | 82.272 | 0.02000 | 0.00000 | 319537.6 | 134784.2 | 183122.1 | S |
| 156.192 | 0.0000 | 0.0000 | 82.272 | 0.02000 | 0.00000 | 319537.6 | 134784.8 | 483122.1 | S |
| 156.200 | 0.0000 | 0.0000 | 82.272 | 0.02000 | 0.00000 | 319537.6 | 134785.4 | 183122.1 | S |
| 156.208 | 0.0000 | 0.0000 | 82.272 | 0.01999 | 0.00000 | 319537.6 | 134786.0 | 183122.1 | S |
| 156.217 | 0.0000 | 0.0000 | 82.272 | 0.01999 | 0.00000 | 319537.6 | 134786.5 | 183122.1 | S |
| 156.225 | 0.0000 | 0.0000 | 82.272 | 0.01999 | 0.00000 | 319537.6 | 134787.2 | 183122.1 | S |
| 156.233 | 0.0000 | 0.0000 | 82.272 | 0.01999 | 0.00000 | 319537.6 | 134787.8 | 183122.1 | S |
| 156.242 | 0.0000 | 0.0000 | 82.271 | 0.01999 | 0.00000 | 319537.6 | 134788.3 | 183122.1 | S |
| 156.250 | 0.0000 | 0.0000 | 82.271 | 0.01998 | 0.00000 | 319537.6 | 134789.0 | 183122.1 | S |
| 156.258 | 0.0000 | 0.0000 | 82.271 | 0.01998 | 0.00000 | 319537.6 | 134789.5 | 183122.1 | S |
| 156.267 | 0.0000 | 0.0000 | 82.271 | 0.01998 | 0.00000 | 319537.6 | 134790.2 | 183122.1 | S |
| 156.275 | 0.0000 | 0.0000 | 82.271 | 0.01998 | 0.00000 | 319537.6 | 134790.8 | 183122.1 | S |
| 156.283 | 0.0000 | 0.0000 | 82.271 | 0.01998 | 0.00000 | 319537.6 | 134791.3 | 183122.1 | S |
| 156.292 | 0.0000 | 0.0000 | 82.271 | 0.01997 | 0.00000 | 319537.6 | 134792.0 | 183122.1 | S |
| 156.300 | 0.0000 | 0.0000 | 82.271 | 0.01997 | 0.00000 | 319537.6 | 134792.5 | 183122.1 | S |
| 156.308 | 0.0000 | 0.0000 | 82.271 | 0.01997 | 0.00000 | 319537.6 | 134793.1 | 183122.1 | S |
| 156.317 | 0.0000 | 0.0000 | 82.271 | 0.01997 | 0.00000 | 319537.6 | 134793.8 | $183 \pm 22.1$ | S |
| 156.325 | 0.0000 | 0.0000 | 82.271 | 0.01997 | 0.00000 | 319537.6 | 134794.3 | 183122.1 | S |
| 156.333 | 0.0000 | 0.0000 | 82.270 | 0.01996 | 0.00000 | 319537.6 | 134794.9 | 183122.1 | S |
| \$56.342 | 0.0000 | 0.0000 | 82.270 | 0.01996 | 0.00000 | 319537.6 | 134795.5 | 183122.1 | S |
| 156.350 | 0.0000 | 0.0000 | 82.270 | 0.01996 | 0.00000 | 319537.6 | 134796.1 | 183122.1 | S |
| 156.358 | 0.0000 | 0.0000 | 82.270 | 0.01996 | 0.00000 | 319537.6 | 134796.7 | 183122.1 | S |
| 156.367 | 0.0000 | 0.0000 | 82.270 | 0.01996 | 0.00000 | 319537.6 | 134797.3 | 183122.1 | S |
| 156.375 | 0.0000 | 0.0000 | 82.270 | 0.01995 | 0.00000 | 319537.6 | 134797.9 | 183122.1 | S |
| 156.383 | 0.0000 | 0.0000 | 82.270 | 0.01995 | 0.00000 | 319537.6 | 134798.5 | 183122.1 | S |
| 156.392 | 0.0000 | 0.0000 | 82.270 | 0.01995 | 0.00000 | 319537.6 | 134799.1 | 183122.1 | S |
| 156.400 | 0.0000 | 0.0000 | 82.270 | 0.01995 | 0.00000 | 319537.6 | 134799.7 | 183122.1 | S |
| 156.408 | 0.0000 | 0.0000 | 82.270 | 0.01995 | 0.00000 | 319537.6 | 134800.3 | \$83122.1 | S |
| 156.417 | 0.0000 | 0.0000 | 82.269 | 0.01994 | 0.00000 | 319537.6 | 134800.9 | 183122.1 | S |
| 156.425 | 0.0000 | 0.0000 | 82.269 | 0.01994 | 0.00000 | 319537.6 | 134801.5 | 183122.1 | S |
| 156.433 | 0.0000 | 0.0000 | 82.269 | 0.01994 | 0.00000 | 319537.6 | 134802.1 | 183122.1 | S |
| 156.442 | 0.0000 | 0.0000 | 82.269 | 0.01994 | 0.00000 | 319537.6 | 134802.7 | 183122.1 | S |
| 156.450 | 0.0000 | 0.0000 | 82.269 | 0.01994 | 0.00000 | 319537.6 | 134803.3 | 183122.1 | S |
| 156.458 | 0.0000 | 0.0000 | 82.269 | 0.01993 | 0.00000 | 319537.6 | 134803.9 | 183122.1 | S |
| 156.467 | 0.0000 | 0.0000 | 82.269 | 0.01993 | 0.00000 | 319537.6 | 134804.5 | 183122.1 | S |
| 156.475 | 0.0000 | 0.0000 | 82.269 | 0.01993 | 0.00000 | 319537.6 | 134805.1 | 183122.1 | S |
| 156.483 | 0.0000 | 0.0000 | 82.269 | 0.01993 | 0.00000 | 319537.6 | 134805.7 | 183122.1 | S |
| 156.492 | 0.0000 | 0.0000 | 82.269 | 0.01993 | 0.00000 | 319537.6 | 134806.3 | 183122.1 | S |
| 156.500 | 0.0000 | 0.0000 | 82.269 | 0.01992 | 0.00000 | 319537.6 | 134806.9 | 183122.1 | S |
| 156.508 | 0.0000 | 0.0000 | 82.268 | 0.01992 | 0.00000 | 319537.6 | 134807.5 | 183122.1 | S |
| 156.517 | 0.0000 | 0.0000 | 82.268 | 0.01992 | 0.00000 | 319537.6 | 134808.1 | 183122.1 | S |
| 156.525 | 0.0000 | 0.0000 | 82.268 | 0.01992 | 0.00000 | 319537.6 | 134808.7 | 183122.1 | S |
| 156.533 | 0.0000 | 0.0000 | 82.268 | 0.01992 | 0.00000 | 319537.6 | 134809.3 | 183122.1 | S |
| 156.542 | 0.0000 | 0.0000 | 82.268 | 0.01991 | 0.00000 | 319537.6 | 134809.9 | 183122.1 | S |
| 156.550 | 0.0000 | 0.0000 | 82.268 | 0.01991 | 0.00000 | 319537.6 | 134810.5 | 183122.1 | S |
| 156.558 | 0.0000 | 0.0000 | 82.268 | 0.01991 | 0.00000 | 319537.6 | \$34811.1 | 183122.1 | S |
| 156.567 | 0.0000 | 0.0000 | 82.268 | 0.01991 | 0.00000 | 319537.6 | 134811.7 | 183122.1 | S |
| 156.575 | 0.0000 | 0.0000 | 82.268 | 0.01991 | 0.00000 | 319537.6 | 134812.3 | 183122.1 | S |
| 156.583 | 0.0000 | 0.0000 | 82.268 | 0.01990 | 0.00000 | 319537.6 | 134812.9 | 183122.1 | S |
| 156.592 | 0.0000 | 0.0000 | 82.267 | 0.01990 | 0.00000 | 319537.6 | 134813.5 | 183122.1 | S |
| 156.600 | 0.0000 | 0.0000 | 82.267 | 0.01990 | 0.00000 | 319537.6 | 134814.1 | 183122.1 | S |
| 156.608 | 0.0000 | 0.0000 | 82.267 | 0.01990 | 0.00000 | 319537.6 | 134814.7 | 183122.1 | S |
| 156.617 | 0.0000 | 0.0000 | 82.267 | 0.01990 | 0.00000 | 319537.6 | 134815.3 | 183122.1 | S |
| 156.625 | 0.0000 | 0.0000 | 82.267 | 0.01989 | 0.00000 | 319537.6 | 134815.9 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/overflow

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | infiltration Rate (fts) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 156.633 | 0.0000 | 0.0000 | 82.267 | 0.01989 | 0.00000 | 319537.6 | 134816.5 | 183122.1 | S |
| 156.642 | 0.0000 | 0.0000 | 82.267 | 0.01989 | 0.00000 | 319537.6 | 134817.1 | 183122.1 | S |
| 156.650 | 0.0000 | 0.0000 | 82.267 | 0.01989 | 0.00000 | 319537.6 | 134817.7 | 183122.1 | S |
| 156.658 | 0.0000 | 0.0000 | 82.267 | 0.01989 | 0.00000 | 319537.6 | 134818.3 | 183122.1 | S |
| 156.667 | 0,0000 | 0.0000 | 82.267 | 0.01988 | 0.00000 | 319537.6 | 134818.8 | 183122.1 | S |
| 156.675 | 0.0000 | 0.0000 | 82.266 | 0.01988 | 0.00000 | 319537.6 | 134819.5 | 183122.1 | S |
| 156.683 | 0.0000 | 0.0000 | 82.266 | 0.01988 | 0.00000 | 319537.6 | 134820.0 | 183122.1 | S |
| 156.692 | 0.0000 | 0.0000 | 82.266 | 0.01988 | 0.00000 | 319537.6 | 134820.6 | 183122.1 | S |
| 156.700 | 0.0000 | 0.0000 | 82.266 | 0.01988 | 0.00000 | 319537.6 | 134821.2 | 183122.1 | S |
| 156.708 | 0.0000 | 0.0000 | 82.266 | 0.01987 | 0.00000 | 319537.6 | 134821.8 | 183122.1 | S |
| 156.717 | 0.0000 | 0.0000 | 82.266 | 0.01987 | 0.00000 | 319537.6 | 134822.4 | 183122.1 | 5 |
| 156.725 | 0.0000 | 0.0000 | 82.266 | 0.01987 | 0.00000 | 319537.6 | 134823.0 | 183122.1 | S |
| 156.733 | 0.0000 | 0.0000 | 82.266 | 0.01987 | 0.00000 | 319537.6 | 134823.6 | 183122.1 | S |
| 156.742 | 0.0000 | 0.0000 | 82.266 | 0.01987 | 0.00000 | 319537.6 | 134824.2 | \{83122.1 | S |
| 156.750 | 0.0000 | 0.0000 | 82.266 | 0.01986 | 0.00000 | 319537.6 | 134824.8 | 183122.1 | S |
| 156.758 | 0.0000 | 0.0000 | 82.266 | 0.01986 | 0.00000 | 319537.6 | 134825.4 | 183122.1 | S |
| 156.767 | 0.0000 | 0.0000 | 82.265 | 0.01986 | 0.00000 | 319537.6 | 134826.0 | 183122.1 | S |
| 156.775 | 0.0000 | 0.0000 | 82.265 | 0.01986 | 0.00000 | 319537.6 | 134826.6 | 183122.1 | S |
| 156.783 | 0.0000 | 0.0000 | 82.265 | 0.01986 | 0.00000 | 319537.6 | 134827.2 | 183122.1 | S |
| 156.792 | 0.0000 | 0.0000 | 82.265 | 0.01985 | 0.00000 | 319537.6 | 134827.8 | 183122.1 | S |
| 156.800 | 0.0000 | 0.0000 | 82.265 | 0.01985 | 0.00000 | 319537.6 | 134828.4 | 183122.1 | S |
| 156.808 | 0.0000 | 0.0000 | 82.265 | 0.01985 | 0.00000 | 319537.6 | 134829.0 | 183122.1 | 5 |
| 156.817 | 0.0000 | 0.0000 | 82.265 | 0.01985 | 0.00000 | 319537.6 | 134829.6 | 183122.1 | 5 |
| 156.825 | 0.0000 | 0.0000 | 82.265 | 0.01985 | 0.00000 | 319537.6 | 134830.2 | 183122.1 | S |
| 156.833 | 0.0000 | 0.0000 | 82.265 | 0.01984 | 0.00000 | 319537.6 | 134830.8 | 183122.1 | S |
| 156.842 | 0.0000 | 0.0000 | 82.265 | 0.07984 | 0.00000 | 319537.6 | 134831.4 | 183122.1 | S |
| 156.850 | 0.0000 | 0.0000 | 82.264 | 0.01984 | 0.00000 | 319537.6 | 134832.0 | 183122.1 | 5 |
| 156.858 | 0.0000 | 0.0000 | 82.264 | 0.01984 | 0.00000 | 319537.6 | 134832.6 | 183122.1 | S |
| 156.867 | 0.0000 | 0.0000 | 82.264 | 0.01984 | 0.00000 | 319537.6 | 134833.2 | 183122.1 | S |
| 156.875 | 0.0000 | 0.0000 | 82.264 | 0.01983 | 0.00000 | 319537.6 | 134833.8 | 183122.1 | S |
| 156.883 | 0.0000 | 0.0000 | 82.264 | 0.01983 | 0.00000 | 319537.6 | 134834.3 | 183122.1 | S |
| 156.892 | 0.0000 | 0.0000 | 82.264 | 0.01983 | 0.00000 | 319537.6 | 134834.9 | 183122.1 | S |
| 156.900 | 0.0000 | 0.0000 | 82.264 | 0.01983 | 0.00000 | 319537.6 | 134835.5 | 183122.1 | S |
| 156.908 | 0.0000 | 0.0000 | 82.264 | 0.01983 | 0.00000 | 319537.6 | 134836.1 | 183122.1 | S |
| 156.917 | 0.0000 | 0.0000 | 82.264 | 0.01982 | 0.00000 | 319537.6 | 134836.7 | 183122.1 | S |
| 156.925 | 0.0000 | 0.0000 | 82.264 | 0.01982 | 0.00000 | 319537.6 | 134837.3 | 183122.1 | S |
| 156.933 | 0.0000 | 0.0000 | 82.264 | 0.01982 | 0.00000 | 319537.6 | 134837.9 | 183122.1 | S |
| 156.942 | 0.0000 | 0.0000 | 82.263 | 0.01982 | 0.00000 | 319537.6 | 134838.5 | 183122.1 | S |
| 156.950 | 0.0000 | 0.0000 | 82.263 | 0.01982 | 0.00000 | 319537.6 | 134839.1 | 183122.1 | S |
| 156.958 | 0.0000 | 0.0000 | 82.263 | 0.01981 | 0.00000 | 319537.6 | 134839.7 | 183122.1 | S |
| 156.967 | 0.0000 | 0.0000 | 82.263 | 0.01981 | 0.00000 | 319537.6 | 134840.3 | 183122.1 | S |
| 156.975 | 0.0000 | 0.0000 | 82.263 | 0.01981 | 0.00000 | 319537.6 | 134840.9 | 183122.3 | S |
| 156.983 | 0.0000 | 0.0000 | 82.263 | 0.01981 | 0.00000 | 319537.6 | 134841.5 | 183122.1 | S |
| 156.992 | 0.0000 | 0.0000 | 82.263 | 0.01981 | 0.00000 | 319537.6 | 134842.1 | 183122.1 | S |
| 157.000 | 0.0000 | 0.0000 | 82.263 | 0.01980 | 0.00000 | 319537.6 | 134842.7 | 183122.1 | S |
| 157.008 | 0.0000 | 0.0000 | 82.263 | 0.01980 | 0.00000 | 319537.6 | 134843.3 | 183122.1 | S |
| 157.017 | 0.0000 | 0.0000 | 82.263 | 0.01980 | 0.00000 | 319537.6 | 134843.9 | 183122.1 | S |
| 157.025 | 0.0000 | 0.0000 | 82.262 | 0.01980 | 0.00000 | 319537.6 | 134844.5 | 183122.1 | S |
| 157.033 | 0.0000 | 0.0000 | 82.262 | 0.01980 | 0.00000 | 319537.6 | 134845.0 | 183122.1 | S |
| 157.042 | 0.0000 | 0.0000 | 82.262 | 0.01979 | 0.00000 | 319537.6 | 134845.6 | 183122.1 | S |
| 157.050 | 0.0000 | 0.0000 | 82.262 | 0.01979 | 0.00000 | 319537.6 | 134846.2 | 183122.1 | S |
| 157.058 | 0.0000 | 0.0000 | 82.262 | 0.01979 | 0.00000 | 319537.6 | 134846.8 | 183122.1 | S |
| 157.067 | 0.0000 | 0.0000 | 82.262 | 0.01979 | 0.00000 | 319537.6 | 134847.4 | 183122.1 | S |
| 157.075 | 0.0000 | 0.0000 | 82.262 | 0.01979 | 0.00000 | 319537.6 | 134848.0 | 183122.1 | S |
| 157.083 | 0.0000 | 0.0000 | 82.262 | 0.01978 | 0.00000 | 319537.6 | 134848.6 | 183122.1 | S |
| 157.092 | 0.0000 | 0.0000 | 82.262 | 0.01978 | 0.00000 | 319537.6 | 134849.2 | 183122.1 | S |
| 157.100 | 0.0000 | 0.0000 | 82.262 | 0.01978 | 0.00000 | 319537.6 | 134849.8 | 183122.1 | S |
| 157.108 | 0.0000 | 0.0000 | 82.262 | 0.01978 | 0.00000 | 319537.6 | 134850.4 | 183122.1 | S |
| 157.117 | 0.0000 | 0.0000 | 82.261 | 0.01978 | 0.00000 | 319537.6 | 134851.0 | 183122.1 | S |
| 157.125 | 0.0000 | 0.0000 | 82.261 | 0.01977 | 0.00000 | 319537.6 | 134851.6 | 183122.1 | S |
| 157.133 | 0.0000 | 0.0000 | 82.261 | 0.01977 | 0.00000 | 319537.6 | 134852.2 | 183122.1 | S |
| 157.142 | 0.0000 | 0.0000 | 82.261 | 0.01977 | 0.00000 | 319537.6 | 134852.8 | 183122.1 | S |
| 157.150 | 0.0000 | 0.0000 | 82.261 | 0.01977 | 0.00000 | 319537.6 | 134853.3 | 183122.1 | S |
| 157.158 | 0.0000 | 0.0000 | 82.261 | 0.01977 | 0.00000 | 319537.6 | 134853.9 | 183122.1 | S |
| 157.167 | 0.0000 | 0.0000 | 82.261 | 0.01976 | 0.00000 | 319537.6 | 134854.5 | 183122.1 | S |
| 157.175 | 0.0000 | 0.0000 | 82.261 | 0.01976 | 0.00000 | 319537.6 | 134855.1 | 183122.1 | S |
| 157.183 | 0.0000 | 0.0000 | 82.261 | 0.01976 | 0.00000 | 319537.6 | 134855.7 | 183122.1 | S |
| 157.192 | 0.0000 | 0.0000 | 82.261 | 0.01976 | 0.00000 | 319537.6 | 134856.3 | 183122.1 | S |
| 157.200 | 0.0000 | 0.0000 | 82.260 | 0.01976 | 0.00000 | 319537.6 | 134856.9 | 183122.1 | S |
| 157.208 | 0.0000 | 0.0000 | 82.260 | 0.01975 | 0.00000 | 319537.6 | 134857.5 | 183122.1 | S |
| 157.217 | 0.0000 | 0.0000 | 82.260 | 0.01975 | 0.00000 | 319537.6 | 134858.1 | 183122.1 | S |
| 157.225 | 0.0000 | 0.0000 | 82.260 | 0.01975 | 0.00000 | 319537.6 | 134858.7 | 183122.1 | S |
| 157.233 | 0.0000 | 0.0000 | 82.260 | 0.01975 | 0.00000 | 319537.6 | 134859.3 | 183122.1 | S |
| 157.242 | 0.0000 | 0.0000 | 82.260 | 0.01975 | 0.00000 | 319537.6 | 134859.9 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/ 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative infitration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 157.250 | 0.0000 | 0.0000 | 82.260 | 0.01975 | 0.00000 | 319537.6 | 134860.5 | 183122.1 | S |
| 157.258 | 0.0000 | 0.0000 | 82.260 | 0.01974 | 0.00000 | 319537.6 | 134861.0 | 183122.1 | S |
| 157.267 | 0.0000 | 0.0000 | 82.260 | 0.01974 | 0.00000 | 319537.6 | 134861.6 | 183122.1 | S |
| 157.275 | 0.0000 | 0.0000 | 82.260 | 0.01974 | 0.00000 | 319537.6 | 134862.2 | 183122.1 | S |
| 157.283 | 0.0000 | 0.0000 | 82.260 | 0.01974 | 0.00000 | 319537.6 | 134862.8 | 183122.1 | S |
| 157.292 | 0.0000 | 0.0000 | 82.259 | 0.01974 | 0.00000 | 319537.6 | 134863.4 | 183122.1 | S |
| 157.300 | 0.0000 | 0.0000 | 82.259 | 0.01973 | 0.00000 | 319537.6 | 134864.0 | 183122.1 | S |
| 157.308 | 0.0000 | 0.0000 | 82.259 | 0.01973 | 0.00000 | 319537.6 | 134864.6 | 183122.1 | S |
| 157.317 | 0.0000 | 0.0000 | 82.259 | 0.01973 | 0.00000 | 319537.6 | 134865.2 | 183122.1 | S |
| 157.325 | 0.0000 | 0.0000 | 82.259 | 0.01973 | 0.00000 | 319537.6 | 134865.8 | 183122.1 | S |
| 157.333 | 0.0000 | 0.0000 | 82.259 | 0.01973 | 0.00000 | 319537.6 | 134866.4 | 183122.1 | S |
| 157.342 | 0.0000 | 0.0000 | 82.259 | 0.01972 | 0.00000 | 319537.6 | 134867.0 | 183122.1 | S |
| 157.350 | 0.0000 | 0.0000 | 82.259 | 0.01972 | 0.00000 | 319537.6 | 134867.6 | 183122.1 | S |
| 157.358 | 0.0000 | 0.0000 | 82.259 | 0.01972 | 0.00000 | 319537.6 | 134868.2 | 183122.1 | S |
| 157.367 | 0.0000 | 0.0000 | 82.259 | 0.01972 | 0.00000 | 319537.6 | 134868.8 | 183122.1 | S |
| 157.375 | 0.0000 | 0.0000 | 82.258 | 0.01972 | 0.00000 | 319537.6 | 134869.3 | 183122.1 | S |
| 157.383 | 0.0000 | 0.0000 | 82.258 | 0.01971 | 0.00000 | 319537.6 | 134869.9 | 183122.1 | S |
| 157.392 | 0.0000 | 0.0000 | 82.258 | 0.01971 | 0.00000 | 319537.6 | 134870.5 | 183122.1 | S |
| 157.400 | 0.0000 | 0.0000 | 82.258 | 0.01971 | 0.00000 | 319537.6 | 134871.1 | 183122.1 | S |
| 157.408 | 0.0000 | 0.0000 | 82.258 | 0.01971 | 0.00000 | 319537.6 | 134871.7 | 183122.1 | S |
| 157.417 | 0.0000 | 0.0000 | 82.258 | 0.01971 | 0.00000 | 319537.6 | 134872.3 | 183122.1 | S |
| 157.425 | 0.0000 | 0.0000 | 82.258 | 0.01970 | 0.00000 | 319537.6 | 134872.9 | 183122.1 | S |
| 157.433 | 0.0000 | 0.0000 | 82.258 | 0.01970 | 0.00000 | 319537.6 | 134873.5 | 183122.1 | S |
| 157.442 | 0.0000 | 0.0000 | 82.258 | 0.01970 | 0.00000 | 319537.6 | 134874.1 | 183122.1 | S |
| 157.450 | 0.0000 | 0.0000 | 82.258 | 0.01970 | 0.00000 | 319537.6 | 134874.7 | 183122.1 | S |
| 157.458 | 0.0000 | 0.0000 | 82.258 | 0.01970 | 0.00000 | 319537.6 | 134875.3 | 183122.1 | S |
| 157.467 | 0.0000 | 0.0000 | 82.257 | 0.01969 | 0.00000 | 319537.6 | 134875.8 | 183122.1 | S |
| 157.475 | 0.0000 | 0.0000 | 82.257 | 0.01969 | 0.00000 | 319537.6 | 134876.4 | 183122.1 | S |
| 157.483 | 0.0000 | 0.0000 | 82.257 | 0.01969 | 0.00000 | 319537.6 | 134877.0 | 183122.1 | S |
| 157.492 | 0.0000 | 0.0000 | 82.257 | 0.01969 | 0.00000 | 319537.6 | 134877.6 | 183122.1 | S |
| 157.500 | 0.0000 | 0.0000 | 82.257 | 0.01969 | 0.00000 | 319537.6 | 134878.2 | 183122.1 | S |
| 157.508 | 0.0000 | 0.0000 | 82.257 | 0.01968 | 0.00000 | 319537.6 | 134878.8 | 183122.1 | S |
| 157.517 | 0.0000 | 0.0000 | 82.257 | 0.01968 | 0.00000 | 319537.6 | 134879.4 | 183122.1 | S |
| 157.525 | 0.0000 | 0.0000 | 82.257 | 0.01968 | 0.00000 | 319537.6 | 134880.0 | 183122.1 | S |
| 157.533 | 0.0000 | 0.0000 | 82.257 | 0.01968 | 0.00000 | 319537.6 | 134880.6 | 183122.1 | S |
| 157.542 | 0.0000 | 0.0000 | 82.257 | 0.01968 | 0.00000 | 319537.6 | 134881.2 | 183122.1 | S |
| 157.550 | 0.0000 | 0.0000 | 82.256 | 0.01967 | 0.00000 | 319537.6 | 134881.8 | 183122.4 | S |
| 157.558 | 0.0000 | 0.0000 | 82.256 | 0.01967 | 0.00000 | 319537.6 | 134882.3 | 183122.1 | S |
| 157.567 | 0.0000 | 0.0000 | 82.256 | 0.01967 | 0.00000 | 319537.6 | 134882.9 | 183122.1 | S |
| 157.575 | 0.0000 | 0.0000 | 82.256 | 0.01967 | 0.00000 | 319537.6 | 134883.5 | 183122.1 | S |
| 157.583 | 0.0000 | 0.0000 | 82.256 | 0.01967 | 0.00000 | 319537.6 | 134884.1 | 183122.1 | S |
| 157.592 | 0.0000 | 0.0000 | 82.256 | 0.01966 | 0.00000 | 319537.6 | 134884.7 | 183122.1 | S |
| 157.600 | 0.0000 | 0.0000 | 82.256 | 0.01966 | 0.00000 | 319537.6 | 134885.3 | $183\{22.1$ | S |
| 157.608 | 0.0000 | 0.0000 | 82.256 | 0.01966 | 0.00000 | 319537.6 | 134885.9 | 183122.1 | S |
| 157.617 | 0.0000 | 0.0000 | 82.256 | 0.01966 | 0.00000 | 319537.6 | 134886.5 | 183122.1 | S |
| 157.625 | 0.0000 | 0.0000 | 82.256 | 0.01966 | 0.00000 | 319537.6 | 134887.1 | 183122.1 | S |
| 157.633 | 0.0000 | 0.0000 | 82.256 | 0.01965 | 0.00000 | 319537.6 | 134887.6 | 183122.1 | S |
| 157.642 | 0.0000 | 0.0000 | 82.255 | 0.01965 | 0.00000 | 319537.6 | 134888.2 | 183122.1 | S |
| 157.650 | 0.0000 | 0.0000 | 82.255 | 0.01965 | 0.00000 | 319537.6 | 134888.8 | 183122.1 | S |
| 157.658 | 0.0000 | 0.0000 | 82.255 | 0.01965 | 0.00000 | 319537.6 | 134889.4 | 183122.1 | S |
| 157.667 | 0.0000 | 0.0000 | 82.255 | 0.01965 | 0.00000 | 319537.6 | 134890.0 | 183122.1 | S |
| 157.675 | 0.0000 | 0.0000 | 82.255 | 0.01964 | 0.00000 | 319537.6 | 134890.6 | 183122.1 | S |
| 157.683 | 0.0000 | 0.0000 | 82.255 | 0.01964 | 0.00000 | 319537.6 | 134891.2 | 183122.1 | S |
| 157.692 | 0.0000 | 0.0000 | 82.255 | 0.01964 | 0.00000 | 319537.6 | 134891.8 | 183122.1 | S |
| 157.700 | 0.0000 | 0.0000 | 82.255 | 0.01964 | 0.00000 | 319537.6 | 134892.4 | 183122.1 | S |
| 157.708 | 0.0000 | 0.0000 | 82.255 | 0.01964 | 0.00000 | 319537.6 | 134893.0 | 183122.1 | S |
| 157.717 | 0.0000 | 0.0000 | 82.255 | 0.01964 | 0.00000 | 319537.6 | 134893.5 | 183122.1 | S |
| 157.725 | 0.0000 | 0.0000 | 82.254 | 0.01963 | 0.00000 | 319537.6 | 134894.1 | 183122.1 | S |
| 157.733 | 0.0000 | 0.0000 | 82.254 | 0.01963 | 0.00000 | 319537.6 | 134894.7 | 183122.1 | S |
| 157.742 | 0.0000 | 0.0000 | 82.254 | 0.01963 | 0.00000 | 319537.6 | 134895.3 | 183122.1 | S |
| 157.750 | 0.0000 | 0.0000 | 82.254 | 0.01963 | 0.00000 | 319537.6 | \$34895.9 | 183122.1 | S |
| 157.758 | 0.0000 | 0.0000 | 82.254 | 0.01963 | 0.00000 | 319537.6 | 134896.5 | 183122.1 | S |
| 157.767 | 0.0000 | 0.0000 | 82.254 | 0.01962 | 0.00000 | 319537.6 | 134897.1 | 183122.1 | S |
| 157.775 | 0.0000 | 0.0000 | 82.254 | 0.01962 | 0.00000 | 319537.6 | 134897.7 | 183122.1 | S |
| 157.783 | 0.0000 | 0.0000 | 82.254 | 0.01962 | 0.00000 | 319537.6 | 134898.3 | 183122.1 | S |
| 157.792 | 0.0000 | 0.0000 | 82.254 | 0.01962 | 0.00000 | 319537.6 | 134898.8 | 183122.1 | S |
| 157.800 | 0.0000 | 0.0000 | 82.254 | 0.01962 | 0.00000 | 319537.6 | 134899.4 | 183722.1 | S |
| 157.808 | 0.0000 | 0.0000 | 82.254 | 0.01961 | 0.00000 | 319537.6 | 134900.0 | 183122.1 | S |
| 157.817 | 0.0000 | 0.0000 | 82.253 | 0.01961 | 0.00000 | 319537.6 | 134900.6 | 183122.1 | S |
| 157.825 | 0.0000 | 0.0000 | 82.253 | 0.01961 | 0.00000 | 319537.6 | 1349001.2 | 183122.1 | S |
| 157.833 | 0.0000 | 0.0000 | 82.253 | 0.01961 | 0.00000 | 319537.6 | 134901.8 | 183122.1 | S |
| 157.842 | 0.0000 | 0.0000 | 82.253 | 0.01961 | 0.00000 | 319537.6 | 134902.4 | 183122.1 | S |
| 157.850 | 0.0000 | 0.0000 | 82.253 | 0.01960 | 0.00000 | 319537.6 | 134903.0 | 183122.1 | S |
| 157.858 | 0.0000 | 0.0000 | 82.253 | 0.01960 | 0.00000 | 319537.6 | 134903.5 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario $1::$ pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Outside Recharge ( (t/day) | Stage Elevation ( f datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Ovenlow Discharge ( $\mathrm{f}^{3 / \mathrm{s}} \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{t}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 157.867 | 0.0000 | 0.0000 | 82.253 | 0.01960 | 0.00000 | 319537.6 | 134904.1 | 183122.1 | S |
| 157.875 | 0.0000 | 0.0000 | 82.253 | 0.01960 | 0.00000 | 319537.6 | 134904.7 | 183122.1 | S |
| 157.883 | 0.0000 | 0.0000 | 82.253 | 0.01960 | 0.00000 | 319537.6 | 134905.3 | 183122.1 | S |
| 157.892 | 0.0000 | 0.0000 | 82.253 | 0.01959 | 0.00000 | 319537.6 | 134905.9 | 183122.1 | S |
| 157.900 | 0.0000 | 0.0000 | 82.252 | 0.01959 | 0.00000 | 319537.6 | 134906.5 | 183122.1 | S |
| 157.908 | 0.0000 | 0.0000 | 82.252 | 0.01959 | 0.00000 | 319537.6 | 134907.1 | 183122.1 | S |
| 157.917 | 0.0000 | 0.0000 | 82.252 | 0.01959 | 0.00000 | 319537.6 | 134907.7 | 183122.1 | S |
| 157.925 | 0.0000 | 0.0000 | 82.252 | 0.01959 | 0.00000 | 319537.6 | 134908.3 | 183122.1 | S |
| 157.933 | 0.0000 | 0.0000 | 82.252 | 0.07958 | 0.00000 | 319537.6 | 134908.8 | 183122.1 | S |
| 157.942 | 0.0000 | 0.0000 | 82.252 | 0.01958 | 0.00000 | 319537.6 | 134909.4 | 183122.1 | S |
| 157.950 | 0.0000 | 0.0000 | 82.252 | 0.01958 | 0.00000 | 319537.6 | 134910.0 | 183122.1 | S |
| 157.958 | 0.0000 | 0.0000 | 82.252 | 0.01958 | 0.00000 | 319537.6 | 134910.6 | 183122.1 | S |
| 157.967 | 0.0000 | 0.0000 | 82.252 | 0.01958 | 0.00000 | 319537.6 | 134911.2 | 183122.1 | S |
| 157.975 | 0.0000 | 0.0000 | 82.252 | 0.01957 | 0.00000 | 319537.6 | 134911.8 | 183122.1 | S |
| 157.983 | 0.0000 | 0.0000 | 82.252 | 0.01957 | 0.00000 | 319537.6 | 134912.4 | 183122.1 | S |
| 157.992 | 0.0000 | 0.0000 | 82.251 | 0.01957 | 0.00000 | 319537.6 | 134913.0 | 183122.1 | S |
| 158.000 | 0.0000 | 0.0000 | 82.251 | 0.01957 | 0.00000 | 319537.6 | 134913.5 | 183122.1 | S |
| 158.008 | 0.0000 | 0.0000 | 82.251 | 0.01957 | 0.00000 | 319537.6 | 134914.1 | 183122.1 | S |
| 158.017 | 0.0000 | 0.0000 | 82.251 | 0.01956 | 0.00000 | 319537.6 | 134914.7 | 183122.1 | S |
| 158.025 | 0.0000 | 0.0000 | 82.251 | 0.01956 | 0.00000 | 319537.6 | 134915.3 | 183122.1 | S |
| 158.033 | 0.0000 | 0.0000 | 82.251 | 0.01956 | 0.00000 | 319537.6 | 134915.9 | 183122.1 | S |
| 158.042 | 0.0000 | 0.0000 | 82.251 | 0.01956 | 0.00000 | 319537.6 | 134916.5 | 183122.1 | S |
| 158.050 | 0.0000 | 0.0000 | 82.251 | 0.01956 | 0.00000 | 319537.6 | 134917.1 | 183122.1 | S |
| 158.058 | 0.0000 | 0.0000 | 82.251 | 0.01956 | 0.00000 | 319537.6 | 134917.6 | 183122.1 | S |
| 158.067 | 0.0000 | 0.0000 | 82.251 | 0.01955 | 0.00000 | 319537.6 | 134918.2 | 183122.1 | S |
| 158.075 | 0.0000 | 0.0000 | 82.250 | 0.01955 | 0.00000 | 319537.6 | 134918.8 | 183122.1 | S |
| 158.083 | 0.0000 | 0.0000 | 82.250 | 0.01955 | 0.00000 | 319537.6 | 134919.4 | 183122.1 | S |
| 158.092 | 0.0000 | 0.0000 | 82.250 | 0.01955 | 0.00000 | 319537.6 | 134920.0 | 183122.1 | S |
| 158.100 | 0.0000 | 0.0000 | 82.250 | 0.01955 | 0.00000 | 319537.6 | 134920.6 | 183122.1 | S |
| 158.108 | 0.0000 | 0.0000 | 82.250 | 0.01954 | 0.00000 | 319537.6 | 134921.2 | 183122.1 | S |
| 158.117 | 0.0000 | 0.0000 | 82.250 | 0.01954 | 0.00000 | 319537.6 | 134921.8 | 183122.1 | S |
| 158.125 | 0.0000 | 0.0000 | 82.250 | 0.01954 | 0.00000 | 319537.6 | 134922.3 | 183122.1 | S |
| 158.133 | 0.0000 | 0.0000 | 82.250 | 0.01954 | 0.00000 | 319537.6 | 134922.9 | 183122.1 | S |
| $\dagger 58.142$ | 0.0000 | 0.0000 | 82.250 | 0.01954 | 0.00000 | 319537.6 | 134923.5 | 183122.1 | S |
| 158.150 | 0.0000 | 0.0000 | 82.250 | 0.01953 | 0.00000 | 319537.6 | 134924.1 | 183122.1 | S |
| 158.158 | 0.0000 | 0.0000 | 82.250 | 0.01953 | 0.00000 | 319537.6 | 134924.7 | 183122.1 | S |
| 158.167 | 0.0000 | 0.0000 | 82.249 | 0.01953 | 0.00000 | 319537.6 | 134925.3 | 183122.1 | S |
| 158.175 | 0.0000 | 0.0000 | 82.249 | 0.01953 | 0.00000 | 319537.6 | 134925.8 | 183122.1 | S |
| 158.183 | 0.0000 | 0.0000 | 82.249 | 0.01953 | 0.00000 | 319537.6 | 134926.4 | 183122.1 | S |
| 158.192 | 0.0000 | 0.0000 | 82.249 | 0.01952 | 0.00000 | 319537.6 | 134927.0 | 183122.1 | S |
| 158.200 | 0.0000 | 0.0000 | 82.249 | 0.01952 | 0.00000 | 319537.6 | 134927.6 | 183122.1 | S |
| 158.208 | 0.0000 | 0.0000 | 82.249 | 0.01952 | 0.00000 | 319537.6 | 134928.2 | 183122.1 | S |
| 158.217 | 0.0000 | 0.0000 | 82.249 | 0.01952 | 0.00000 | 319537.6 | 134928.8 | 183122.1 | S |
| 158.225 | 0.0000 | 0.0000 | 82.249 | 0.01952 | 0.00000 | 319537.6 | 134929.4 | 183122.1 | S |
| 158.233 | 0.0000 | 0.0000 | 82.249 | 0.01951 | 0.00000 | 319537.6 | 134930.0 | 183122.1 | S |
| 158.242 | 0.0000 | 0.0000 | 82.249 | 0.01951 | 0.00000 | 319537.6 | 134930.5 | 183122.1 | S |
| 158.250 | 0.0000 | 0.0000 | 82.248 | 0.01951 | 0.00000 | 319537.6 | 134931.1 | 183122.1 | S |
| 158.258 | 0.0000 | 0.0000 | 82.248 | 0.01951 | 0.00000 | 319537.6 | 134931.7 | 183122.1 | S |
| 158.267 | 0.0000 | 0.0000 | 82.248 | 0.01951 | 0.00000 | 319537.6 | 134932.3 | 183122.1 | S |
| 158.275 | 0.0000 | 0.0000 | 82.248 | 0.01950 | 0.00000 | 319537.6 | 134932.9 | 183122.1 | S |
| 158.283 | 0.0000 | 0.0000 | 82.248 | 0.01950 | 0.00000 | 319537.6 | 134933.5 | 183122.1 | S |
| 158.292 | 0.0000 | 0.0000 | 82.248 | 0.01950 | 0.00000 | 319537.6 | 134934.0 | 183122.1 | S |
| 158.300 | 0.0000 | 0.0000 | 82.248 | 0.01950 | 0.00000 | 319537.6 | 134934.6 | 183122.1 | S |
| 158.308 | 0.0000 | 0.0000 | 82.248 | 0.01950 | 0.00000 | 319537.6 | $\ddagger 34935.2$ | 183122.1 | S |
| 158.317 | 0.0000 | 0.0000 | 82.248 | 0.01949 | 0.00000 | 319537.6 | 134935.8 | 183122.1 | S |
| 158.325 | 0.0000 | 0.0000 | 82.248 | 0.01949 | 0.00000 | 319537.6 | 134936.4 | 183122.1 | S |
| 158.333 | 0.0000 | 0.0000 | 82.248 | 0.01949 | 0.00000 | 319537.6 | 134937.0 | 183122.1 | S |
| 158.342 | 0.0000 | 0.0000 | 82.247 | 0.01949 | 0.00000 | 319537.6 | 134937.6 | 183122.1 | S |
| 158.350 | 0.0000 | 0.0000 | 82.247 | 0.01949 | 0.00000 | 319537.6 | 134938.1 | 183122.1 | S |
| 158.358 | 0.0000 | 0.0000 | 82.247 | 0.01949 | 0.00000 | 319537.6 | 134938.7 | 183122.1 | S |
| 158.367 | 0.0000 | 0.0000 | 82.247 | 0.01948 | 0.00000 | 319537.6 | 134939.3 | 183122.1 | S |
| 158.375 | 0.0000 | 0.0000 | 82.247 | 0.01948 | 0.00000 | 319537.6 | 134939.9 | 183122.1 | S |
| 158.383 | 0.0000 | 0.0000 | 82.247 | 0.01948 | 0.00000 | 319537.6 | 134940.5 | 183122.1 | S |
| 158.392 | 0.0000 | 0.0000 | 82.247 | 0.01948 | 0.00000 | 319537.6 | 134941.1 | 183122.1 | S |
| 158.400 | 0.0000 | 0.0000 | 82.247 | 0.01948 | 0.00000 | 319537.6 | 134941.6 | 183122.1 | S |
| 158.408 | 0.0000 | 0.0000 | 82.247 | 0.01947 | 0.00000 | 319537.6 | 134942.2 | 183122.1 | S |
| 158.417 | 0.0000 | 0.0000 | 82.247 | 0.01947 | 0.00000 | 319537.6 | 134942.8 | 183122.1 | S |
| 158.425 | 0.0000 | 0.0000 | 82.246 | 0.01947 | 0.00000 | 319537.6 | 134943.4 | 183122.1 | S |
| 158.433 | 0.0000 | 0.0000 | 82.246 | 0.01947 | 0.00000 | 319537.6 | 134944.0 | 183122.1 | S |
| 158.442 | 0.0000 | 0.0000 | 82.246 | 0.01947 | 0.00000 | 319537.6 | 134944.6 | 183122.1 | S |
| 158.450 | 0.0000 | 0.0000 | 82.246 | 0.01946 | 0.00000 | 319537.6 | 134945.2 | 183122.1 | S |
| 158.458 | 0.0000 | 0.0000 | 82.246 | 0.01946 | 0.00000 | 319537.6 | 134945.7 | 183122.1 | S |
| 158.467 | 0.0000 | 0.0000 | 82.246 | 0.01946 | 0.00000 | 319537.6 | 134946.3 | 183122.1 | S |
| 158.475 | 0.0000 | 0.0000 | 82.246 | 0.01946 | 0.00000 | 319537.6 | 134946.9 | 183122.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:. Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate <br> ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infitration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Infiow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Fiow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 158.483 | 0.0000 | 0.0000 | 82.246 | 0.01946 | 0.00000 | 319537.6 | 134947.5 | 183122.1 | S |
| 158.492 | 0.0000 | 0.0000 | 82.246 | 0.01945 | 0.00000 | 319537.6 | 134948.1 | 183122.1 | S |
| 158.500 | 0.0000 | 0.0000 | 82.246 | 0.01945 | 0.00000 | 319537.6 | 134948.7 | 183122.1 | S |
| 158.508 | 0.0000 | 0.0000 | 82.246 | 0.01945 | 0.00000 | 319537.6 | 134949.2 | 183122.1 | S |
| 158.517 | 0.0000 | 0.0000 | 82.245 | 0.01945 | 0.00000 | 319537.6 | 134949.8 | 183122.1 | S |
| 158.525 | 0.0000 | 0.0000 | 82.245 | 0.01945 | 0.00000 | 319537.6 | 134950.4 | 183122.1 | S |
| 158.533 | 0.0000 | 0.0000 | 82.245 | 0.01944 | 0.00000 | 319537.6 | 134951.0 | 183122.1 | S |
| 158.542 | 0.0000 | 0.0000 | 82.245 | 0.01944 | 0.00000 | 319537.6 | 134951.6 | 183122.1 | S |
| 158.550 | 0.0000 | 0.0000 | 82.245 | 0.01944 | 0.00000 | 319537.6 | 134952.2 | 183122.1 | S |
| 158.558 | 0.0000 | 0.0000 | 82.245 | 0.01944 | 0.00000 | 319537.6 | 134952.7 | 183122.1 | S |
| 158.567 | 0.0000 | 0.0000 | 82.245 | 0.01944 | 0.00000 | 319537.6 | 134953.3 | 183122.1 | S |
| 158.575 | 0.0000 | 0.0000 | 82.245 | 0.01944 | 0.00000 | 319537.6 | 134953.9 | 183122.$\}$ | S |
| 158.583 | 0.0000 | 0.0000 | 82.245 | 0.01943 | 0.00000 | 319537.6 | 134954.5 | 183122.1 | S |
| 158.592 | 0.0000 | 0.0000 | 82.245 | 0.01943 | 0.00000 | 319537.6 | 134955.1 | 183122.1 | S |
| 158.600 | 0.0000 | 0.0000 | 82.245 | 0.01943 | 0.00000 | 319537.6 | 134955.7 | 183122.1 | S |
| 158.608 | 0.0000 | 0.0000 | 82.244 | 0.01943 | 0.00000 | 319537.6 | 134956.2 | 183122.1 | S |
| 158.617 | 0.0000 | 0.0000 | 82.244 | 0.01943 | 0.00000 | 319537.6 | 134956.8 | 183122.7 | S |
| 158.625 | 0.0000 | 0.0000 | 82.244 | 0.01942 | 0.00000 | 319537.6 | 134957.4 | 183122.1 | S |
| 158.633 | 0.0000 | 0.0000 | 82.244 | 0.01942 | 0.00000 | 319537.6 | 134958.0 | 183122.1 | S |
| 158.642 | 0.0000 | 0.0000 | 82.244 | 0.01942 | 0.00000 | 319537.6 | 134958.6 | 183122.1 | S |
| 158.650 | 0.0000 | 0.0000 | 82.244 | 0.01942 | 0.00000 | 319537.6 | 134959.2 | 183122.1 | S |
| 158.658 | 0.0000 | 0.0000 | 82.244 | 0.01942 | 0.00000 | 319537.6 | 134959.7 | 183122.1 | S |
| 158.667 | 0.0000 | 0.0000 | 82.244 | 0.01941 | 0.00000 | 319537.6 | 134960.3 | 183122.1 | S |
| 158.675 | 0.0000 | 0.0000 | 82.244 | 0.01941 | 0.00000 | 319537.6 | 134960.9 | 183122.1 | S |
| 158.683 | 0.0000 | 0.0000 | 82.244 | 0.01941 | 0.00000 | 319537.6 | 134961.5 | 183122.1 | S |
| 158.692 | 0.0000 | 0.0000 | 82.243 | 0.01941 | 0.00000 | 319537.6 | 134962.1 | 183122.1 | S |
| 158.700 | 0.0000 | 0.0000 | 82.243 | 0.01941 | 0.00000 | 319537.6 | 134962.6 | 183122.1 | S |
| 158.708 | 0.0000 | 0.0000 | 82.243 | 0.01940 | 0.00000 | 319537.6 | 134963.2 | 183122.1 | S |
| 158.717 | 0.0000 | 0.0000 | 82.243 | 0.01940 | 0.00000 | 319537.6 | 134963.8 | 183122.1 | S |
| 158.725 | 0.0000 | 0.0000 | 82.243 | 0.01940 | 0.00000 | 319537.6 | 134964.4 | 183122.1 | S |
| 158.733 | 0.0000 | 0.0000 | 82.243 | 0.01940 | 0.00000 | 319537.6 | 134965.0 | 183122.1 | S |
| 158.742 | 0.0000 | 0.0000 | 82.243 | 0.01940 | 0.00000 | 319537.6 | 134965.5 | 183122.1 | S |
| 158.750 | 0.0000 | 0.0000 | 82.243 | 0.01939 | 0.00000 | 319537.6 | 134966.1 | 183122.1 | S |
| 158.758 | 0.0000 | 0.0000 | 82.243 | 0.01939 | 0.00000 | 319537.6 | 134966.7 | 183122.1 | S |
| 158.767 | 0.0000 | 0.0000 | 82.243 | 0.01939 | 0.00000 | 319537.6 | 134967.3 | 183122.1 | S |
| 158.775 | 0.0000 | 0.0000 | 82.243 | 0.01939 | 0.00000 | 319537.6 | 134967.9 | 183122.1 | S |
| 158.783 | 0.0000 | 0.0000 | 82.242 | 0.01939 | 0.00000 | 319537.6 | 134968.5 | 183122.1 | S |
| 158.792 | 0.0000 | 0.0000 | 82.242 | 0.01938 | 0.00000 | 319537.6 | 134969.0 | 183122.1 | S |
| 158.800 | 0.0000 | 0.0000 | 82.242 | 0.01938 | 0.00000 | 319537.6 | 134969.6 | 183122.1 | S |
| 158.808 | 0.0000 | 0.0000 | 82.242 | 0.01938 | 0.00000 | 319537.6 | 134970.2 | 183122.1 | S |
| 158.817 | 0.0000 | 0.0000 | 82.242 | 0.01938 | 0.00000 | 319537.6 | 134970.8 | 183122.1 | S |
| 158.825 | 0.0000 | 0.0000 | 82.242 | 0.01938 | 0.00000 | 319537.6 | 134971.4 | 183122.1 | S |
| 158.833 | 0.0000 | 0.0000 | 82.242 | 0.01938 | 0.00000 | 319537.6 | 134972.0 | 183122.1 | S |
| 158.842 | 0.0000 | 0.0000 | 82.242 | 0.01937 | 0.00000 | 319537.6 | 134972.5 | 183122.1 | S |
| 158.850 | 0.0000 | 0.0000 | 82.242 | 0.01937 | 0.00000 | 319537.6 | 134973.1 | 183122.7 | S |
| 158.858 | 0.0000 | 0.0000 | 82.242 | 0.01937 | 0.00000 | 319537.6 | 134973.7 | 183122.1 | S |
| 158.867 | 0.0000 | 0.0000 | 82.241 | 0.01937 | 0.00000 | 319537.6 | 134974.3 | 183122.1 | S |
| 158.875 | 0.0000 | 0.0000 | 82.241 | 0.01937 | 0.00000 | 319537.6 | 134974.9 | 183122.1 | S |
| 158.883 | 0.0000 | 0.0000 | 82.241 | 0.01936 | 0.00000 | 319537.6 | 134975.4 | 183122.1 | S |
| 158.892 | 0.0000 | 0.0000 | 82.241 | 0.01936 | 0.00000 | 319537.6 | 134976.0 | 183122.7 | S |
| 158.900 | 0.0000 | 0.0000 | 82.241 | 0.01936 | 0.00000 | 319537.6 | 134976.6 | 183122.1 | S |
| 158.908 | 0.0000 | 0.0000 | 82.241 | 0.01936 | 0.00000 | 319537.6 | 134977.2 | 183122.1 | S |
| 158.917 | 0.0000 | 0.0000 | 82.241 | 0.01936 | 0.00000 | 319537.6 | 134977.8 | 183122.1 | S |
| 158.925 | 0.0000 | 0.0000 | 82.241 | 0.01935 | 0.00000 | 319537.6 | 134978.3 | 183122.1 | S |
| 158.933 | 0.0000 | 0.0000 | 82.241 | 0.01935 | 0.00000 | 319537.6 | 134978.9 | 183122.1 | S |
| 158.942 | 0.0000 | 0.0000 | 82.241 | 0.01935 | 0.00000 | 319537.6 | 134979.5 | 183122.1 | S |
| 158.950 | 0.0000 | 0.0000 | 82.241 | 0.01935 | 0.00000 | 319537.6 | 134980.1 | 183122.1 | S |
| 158.958 | 0.0000 | 0.0000 | 82.240 | 0.01935 | 0.00000 | 319537.6 | 134980.7 | 183122.1 | S |
| 158.967 | 0.0000 | 0.0000 | 82.240 | 0.01934 | 0.00000 | 319537.6 | 134981.3 | 183122.1 | S |
| 158.975 | 0.0000 | 0.0000 | 82.240 | 0.01934 | 0.00000 | 319537.6 | 134981.8 | 183122.1 | S |
| 158.983 | 0.0000 | 0.0000 | 82.240 | 0.01934 | 0.00000 | 319537.6 | 134982.4 | 183122.1 | S |
| 158.992 | 0.0000 | 0.0000 | 82.240 | 0.01934 | 0.00000 | 319537.6 | 134983.0 | 183122.1 | S |
| 159.000 | 0.0000 | 0.0000 | 82.240 | 0.01934 | 0.00000 | 319537.6 | 134983.6 | 183122.1 | S |
| 159.008 | 0.0000 | 0.0000 | 82.240 | 0.01934 | 0.00000 | 319537.6 | 134984.1 | 183122.1 | S |
| 159.017 | 0.0000 | 0.0000 | 82.240 | 0.01933 | 0.00000 | 319537.6 | 134984.7 | 183122.1 | S |
| 159.025 | 0.0000 | 0.0000 | 82.240 | 0.01933 | 0.00000 | 319537.6 | 134985.3 | 183122.1 | S |
| 159.033 | 0.0000 | 0.0000 | 82.240 | 0.01933 | 0.00000 | 319537.6 | 134985.9 | 183122.1 | S |
| 159.042 | 0.0000 | 0.0000 | 82.240 | 0.01933 | 0.00000 | 319537.6 | 134986.5 | 183122.1 | S |
| 159.050 | 0.0000 | 0.0000 | 82.239 | 0.01933 | 0.00000 | 319537.6 | 134987.0 | 183122.1 | S |
| 159.058 | 0.0000 | 0.0000 | 82.239 | 0.01932 | 0.00000 | 319537.6 | 134987.6 | 183122.1 | S |
| 159.067 | 0.0000 | 0.0000 | 82.239 | 0.01932 | 0.00000 | 319537.6 | 134988.2 | 183122.1 | S |
| 159.075 | 0.0000 | 0.0000 | 82.239 | 0.01932 | 0.00000 | 319537.6 | 134988.8 | 183122.1 | S |
| 159.083 | 0.0000 | 0.0000 | 82.239 | 0.01932 | 0.00000 | 319537.6 | 134989.4 | 183122.1 | S |
| 159.092 | 0.0000 | 0.0000 | 82.239 | 0.01932 | 0.00000 | 319537.6 | 134989.9 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{1 / s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{13} \mathrm{~s}$ ) | Overlow Discharge ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Cumulative inflow Vofume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{t}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 159.100 | 0.0000 | 0.0000 | 82.239 | 0.01931 | 0.00000 | 319537.6 | 134990.5 | 183122.1 | S |
| 159.108 | 0.0000 | 0.0000 | 82.239 | 0.01931 | 0.00000 | 319537.6 | 134991.1 | 183122.1 | S |
| 159.117 | 0.0000 | 0.0000 | 82.239 | 0.01931 | 0.00000 | 319537.6 | 134991.7 | 183122.1 | S |
| 159.125 | 0.0000 | 0.0000 | 82.239 | 0.01931 | 0.00000 | 319537.6 | 134992.3 | 183122.1 | S |
| 159.133 | 0.0000 | 0.0000 | 82.238 | 0.01931 | 0.00000 | 319537.6 | 134992.8 | 183122.1 | S |
| 159.142 | 0.0000 | 0.0000 | 82.238 | 0.01930 | 0.00000 | 319537.6 | 134993.4 | 183122.1 | S |
| 159.150 | 0.0000 | 0.0000 | 82.238 | 0.01930 | 0.00000 | 319537.6 | 134994.0 | 183122.1 | S |
| 159.158 | 0.0000 | 0.0000 | 82.238 | 0.01930 | 0.00000 | 319537.6 | 134994.6 | 183122.1 | S |
| 159.167 | 0.0000 | 0.0000 | 82.238 | 0.01930 | 0.00000 | 319537.6 | 134995.2 | 183122.1 | S |
| 159.175 | 0.0000 | 0.0000 | 82.238 | 0.01930 | 0.00000 | 319537.6 | 134995.7 | 183122.1 | S |
| 159.183 | 0.0000 | 0.0000 | 82.238 | 0.01930 | 0.00000 | 319537.6 | 134996.3 | 183122.1 | S |
| 159.192 | 0.0000 | 0.0000 | 82.238 | 0.01929 | 0.00000 | 319537.6 | 134996.9 | 183122.1 | S |
| 159.200 | 0.0000 | 0.0000 | 82.238 | 0.01929 | 0.00000 | 319537.6 | 134997.5 | 183122.1 | S |
| 159.208 | 0.0000 | 0.0000 | 82.238 | 0.01929 | 0.00000 | 319537.6 | 134998.0 | 183122.1 | S |
| 159.217 | 0.0000 | 0.0000 | 82.238 | 0.01929 | 0.00000 | 319537.6 | 134998.6 | 183122.1 | S |
| 159.225 | 0.0000 | 0.0000 | 82.237 | 0.01929 | 0.00000 | 319537.6 | 134999.2 | 183122.1 | S |
| 159.233 | 0.0000 | 0.0000 | 82.237 | 0.01928 | 0.00000 | 319537.6 | 134999.8 | 183122.1 | S |
| 159.242 | 0.0000 | 0.0000 | 82.237 | 0.01928 | 0.00000 | 319537.6 | 135000.4 | 183122.1 | S |
| 159.250 | 0.0000 | 0.0000 | 82.237 | 0.01928 | 0.00000 | 319537.6 | 135000.9 | 183122.1 | S |
| 159.258 | 0.0000 | 0.0000 | 82.237 | 0.01928 | 0.00000 | 319537.6 | 135001.5 | 183122.1 | S |
| 159.267 | 0.0000 | 0.0000 | 82.237 | 0.01928 | 0.00000 | 319537.6 | 135002.1 | 183122.1 | S |
| 159.275 | 0.0000 | 0.0000 | 82.237 | 0.01927 | 0.00000 | 319537.6 | 135002.7 | 183122.1 | S |
| 159.283 | 0.0000 | 0.0000 | 82.237 | 0.01927 | 0.00000 | 319537.6 | 135003.3 | 183122. | S |
| 159.292 | 0.0000 | 0.0000 | 82.237 | 0.01927 | 0.00000 | 319537.6 | 135003.8 | 183122.1 | S |
| 159.300 | 0.0000 | 0.0000 | 82.237 | 0.01927 | 0.00000 | 319537.6 | 135004.4 | 183122.1 | S |
| 159.308 | 0.0000 | 0.0000 | 82.237 | 0.01927 | 0.00000 | 319537.6 | 135005.0 | 183122.1 | S |
| 159.317 | 0.0000 | 0.0000 | 82.236 | 0.01926 | 0.00000 | 319537.6 | 135005.6 | 183122.1 | S |
| 159.325 | 0.0000 | 0.0000 | 82.236 | 0.01926 | 0.00000 | 319537.6 | 135006.1 | 183122.1 | S |
| 159.333 | 0.0000 | 0.0000 | 82.236 | 0.01926 | 0.00000 | 319537.6 | 135006.7 | 183122.1 | S |
| 159.342 | 0.0000 | 0.0000 | 82.236 | 0.01926 | 0.00000 | 319537.6 | 135007.3 | 183122.1 | S |
| 159.350 | 0.0000 | 0.0000 | 82.236 | 0.01926 | 0.00000 | 319537.6 | 135007.8 | 183122.1 | S |
| 159.358 | 0.0000 | 0.0000 | 82.236 | 0.01926 | 0.00000 | 319537.6 | 135008.5 | 183122.1 | S |
| 159.367 | 0.0000 | 0.0000 | 82.236 | 0.01925 | 0.00000 | 319537.6 | 135009.0 | 183122.1 | S |
| 159.375 | 0.0000 | 0.0000 | 82.236 | 0.01925 | 0.00000 | 319537.6 | 135009.6 | 183122.1 | S |
| 159.383 | 0.0000 | 0.0000 | 82.236 | 0.01925 | 0.00000 | 319537.6 | 135010.2 | 183122.1 | S |
| 159.392 | 0.0000 | 0.0000 | 82.236 | 0.01925 | 0.00000 | 319537.6 | 135010.8 | 183122.1 | S |
| 159.400 | 0.0000 | 0.0000 | 82.235 | 0.01925 | 0.00000 | 319537.6 | 135011.3 | 183122.1 | S |
| 159.408 | 0.0000 | 0.0000 | 82.235 | 0.01924 | 0.00000 | 319537.6 | 135011.9 | 183122.1 | S |
| 159.417 | 0.0000 | 0.0000 | 82.235 | 0.01924 | 0.00000 | 319537.6 | 135012.5 | 183122.1 | S |
| 159.425 | 0.0000 | 0.0000 | 82.235 | 0.01924 | 0.00000 | 319537.6 | 135013.1 | 183122.1 | S |
| 159.433 | 0.0000 | 0.0000 | 82.235 | 0.01924 | 0.00000 | 319537.6 | 135013.7 | 183122.1 | S |
| 159.442 | 0.0000 | 0.0000 | 82.235 | 0.01924 | 0.00000 | 319537.6 | 135014.2 | 183122.1 | S |
| 159.450 | 0.0000 | 0.0000 | 82.235 | 0.01923 | 0.00000 | 319537.6 | 135014.8 | 183122.1 | S |
| 159.458 | 0.0000 | 0.0000 | 82.235 | 0.01923 | 0.00000 | 319537.6 | 135015.4 | 183122.1 | S |
| 159.467 | 0.0000 | 0.0000 | 82.235 | 0.01923 | 0.00000 | 319537.6 | 135016.0 | 183122.1 | S |
| 159.475 | 0.0000 | 0.0000 | 82.235 | 0.01923 | 0.00000 | 319537.6 | 135016.5 | 183122.1 | S |
| 159.483 | 0.0000 | 0.0000 | 82.235 | 0.01923 | 0.00000 | 319537.6 | 135017.1 | 183122.1 | S |
| 159.492 | 0.0000 | 0.0000 | 82.234 | 0.01922 | 0.00000 | 319537.6 | 135017.7 | 183122.1 | S |
| 159.500 | 0.0000 | 0.0000 | 82.234 | 0.01922 | 0.00000 | 319537.6 | 135018.3 | 183122.1 | S |
| 159.508 | 0.0000 | 0.0000 | 82.234 | 0.01922 | 0.00000 | 319537.6 | 135018.8 | 183122.1 | S |
| 159.517 | 0.0000 | 0.0000 | 82.234 | 0.01922 | 0.00000 | 319537.6 | 135019.4 | 183122.1 | S |
| 159.525 | 0.0000 | 0.0000 | 82.234 | 0.01922 | 0.00000 | 319537.6 | 135020.0 | 183122.1 | S |
| 159.533 | 0.0000 | 0.0000 | 82.234 | 0.01922 | 0.00000 | 319537.6 | 135020.6 | 183122.1 | S |
| 159.542 | 0.0000 | 0.0000 | 82.234 | 0.01921 | 0.00000 | 319537.6 | 135021.2 | 183122.1 | S |
| 159.550 | 0.0000 | 0.0000 | 82.234 | 0.01921 | 0.00000 | 319537.6 | 135021.7 | 183122.1 | S |
| 159.558 | 0.0000 | 0.0000 | 82.234 | 0.01921 | 0.00000 | 319537.6 | 135022.3 | 183122.1 | S |
| 159.567 | 0.0000 | 0.0000 | 82.234 | 0.01921 | 0.00000 | 319537.6 | 135022.9 | 183122.1 | S |
| 159.575 | 0.0000 | 0.0000 | 82.234 | 0.01921 | 0.00000 | 319537.6 | 135023.5 | 183122.1 | S |
| 159.583 | 0.0000 | 0.0000 | 82.233 | 0.01920 | 0.00000 | 319537.6 | 135024.0 | 183122.1 | S |
| 159.592 | 0.0000 | 0.0000 | 82.233 | 0.01920 | 0.00000 | 319537.6 | 135024.6 | 183122.1 | S |
| 159.600 | 0.0000 | 0.0000 | 82.233 | 0.01920 | 0.00000 | 319537.6 | 135025.2 | 183122.1 | S |
| 159.608 | 0.0000 | 0.0000 | 82.233 | 0.01920 | 0.00000 | 319537.6 | 135025.8 | 183122.1 | S |
| 159.617 | 0.0000 | 0.0000 | 82.233 | 0.01920 | 0.00000 | 319537.6 | 135026.3 | 183122.1 | S |
| 159.625 | 0.0000 | 0.0000 | 82.233 | 0.01919 | 0.00000 | 319537.6 | 135026.9 | 183122.1 | S |
| 159.633 | 0.0000 | 0.0000 | 82.233 | 0.01919 | 0.00000 | 319537.6 | 135027.5 | 183122.1 | S |
| 159.642 | 0.0000 | 0.0000 | 82.233 | 0.01919 | 0.00000 | 319537.6 | 135028.1 | 183122.1 | S |
| 159.650 | 0.0000 | 0.0000 | 82.233 | 0.01919 | 0.00000 | 319537.6 | 135028.6 | 183122.1 | S |
| 159.658 | 0.0000 | 0.0000 | 82.233 | 0.01919 | 0.00000 | 319537.6 | 135029.2 | 183122.1 | S |
| 159.667 | 0.0000 | 0.0000 | 82.232 | 0.01918 | 0.00000 | 319537.6 | 135029.8 | 183122.1 | S |
| 159.675 | 0.0000 | 0.0000 | 82.232 | 0.01918 | 0.00000 | 319537.6 | 135030.4 | 183122.1 | S |
| 159.683 | 0.0000 | 0.0000 | 82.232 | 0.01918 | 0.00000 | 319537.6 | 135030.9 | 183122.1 | S |
| 159.692 | 0.0000 | 0.0000 | 82.232 | 0.01918 | 0.00000 | 319537.6 | 135031.5 | 183122.1 | S |
| 159.700 | 0.0000 | 0.0000 | 82.232 | 0.01918 | 0.00000 | 319537.6 | 135032.1 | 183122.1 | S |
| 159.708 | 0.0000 | 0.0000 | 82.232 | 0.01918 | 0.00000 | 319537.6 | 135032.7 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario $1::$ pond10 100 yr $/ 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / 5}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathfrak{f f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 159.717 | 0.0000 | 0.0000 | 82.232 | 0.01917 | 0.00000 | 319537.6 | 135033.2 | 183122.1 | S |
| 159.725 | 0.0000 | 0.0000 | 82.232 | 0.01917 | 0.00000 | 319537.6 | 135033.8 | 183122.1 | S |
| 159.733 | 0.0000 | 0.0000 | 82.232 | 0.01917 | 0.00000 | 319537.6 | 135034.4 | 183122.1 | S |
| 159.742 | 0.0000 | 0.0000 | 82.232 | 0.01917 | 0.00000 | 319537.6 | 135035.0 | 183122.1 | S |
| 159.750 | 0.0000 | 0.0000 | 82.232 | 0.01917 | 0.00000 | 319537.6 | 135035.5 | 183122.1 | S |
| 159.758 | 0.0000 | 0.0000 | 82.231 | 0.01916 | 0.00000 | 319537.6 | 135036.1 | 183122.1 | S |
| 159.767 | 0.0000 | 0.0000 | 82.231 | 0.01916 | 0.00000 | 319537.6 | 135036.7 | 783122.1 | S |
| 159.775 | 0.0000 | 0.0000 | 82.231 | 0.01916 | 0.00000 | 319537.6 | 135037.3 | 183122.1 | S |
| 159.783 | 0.0000 | 0.0000 | 82.231 | 0.01916 | 0.00000 | 319537.6 | 135037.8 | 183122.1 | S |
| 159.792 | 0.0000 | 0.0000 | 82.231 | 0.01916 | 0.00000 | 319537.6 | 135038.4 | 183122.1 | S |
| 159.800 | 0.0000 | 0.0000 | 82.231 | 0.01915 | 0.00000 | 319537.6 | 135039.0 | 183122.1 | S |
| 159.808 | 0.0000 | 0.0000 | 82.231 | 0.01915 | 0.00000 | 319537.6 | 135039.6 | 183122.1 | S |
| 159.817 | 0.0000 | 0.0000 | 82.231 | 0.01915 | 0.00000 | 319537.6 | 135040.1 | 183122.1 | S |
| 159.825 | 0.0000 | 0.0000 | 82.231 | 0.01915 | 0.00000 | 319537.6 | 135040.7 | 183122.1 | S |
| 159.833 | 0.0000 | 0.0000 | 82.231 | 0.01915 | 0.00000 | 319537.6 | 135041.3 | 183122.1 | S |
| 159.842 | 0.0000 | 0.0000 | 82.231 | 0.01915 | 0.00000 | 319537.6 | 135041.9 | 183122.1 | S |
| 159.850 | 0.0000 | 0.0000 | 82.230 | 0.01914 | 0.00000 | 319537.6 | 135042.4 | 183122.1 | S |
| \$59.858 | 0.0000 | 0.0000 | 82.230 | 0.01914 | 0.00000 | 319537.6 | 135043.0 | 183122.1 | S |
| 159.867 | 0.0000 | 0.0000 | 82.230 | 0.01914 | 0.00000 | 319537.6 | 135043.6 | 183122.1 | S |
| 159.875 | 0.0000 | 0.0000 | 82.230 | 0.01914 | 0.00000 | 319537.6 | 135044.2 | 183122.1 | S |
| 159.883 | 0.0000 | 0.0000 | 82.230 | 0.01914 | 0.00000 | 319537.6 | 135044.7 | 183122.1 | S |
| 159.892 | 0.0000 | 0.0000 | 82.230 | 0.01913 | 0.00000 | 319537.6 | 135045.3 | 183122.1 | S |
| 159.900 | 0.0000 | 0.0000 | 82.230 | 0.01913 | 0.00000 | 319537.6 | 135045.9 | 183122.1 | S |
| 159,908 | 0.0000 | 0.0000 | 82.230 | 0.01913 | 0.00000 | 319537.6 | 135046.5 | 183122.1 | S |
| 159.917 | 0.0000 | 0.0000 | 82.230 | 0.01913 | 0.00000 | 319537.6 | 135047.0 | 183122.1 | S |
| 159.925 | 0.0000 | 0.0000 | 82.230 | 0.01913 | 0.00000 | 319537.6 | 135047.6 | 183122.1 | 5 |
| 159.933 | 0.0000 | 0.0000 | 82.230 | 0.01912 | 0.00000 | 319537.6 | 135048.2 | 183122.1 | S |
| 159.942 | 0.0000 | 0.0000 | 82.229 | 0.01912 | 0.00000 | 319537.6 | 135048.8 | 183122.1 | 5 |
| 159.950 | 0.0000 | 0.0000 | 82.229 | 0.01912 | 0.00000 | 319537.6 | 135049.3 | 183122.1 | S |
| 159.958 | 0.0000 | 0.0000 | 82.229 | 0.01912 | 0.00000 | 319537.6 | 135049.9 | 183122.1 | S |
| 159.967 | 0.0000 | 0.0000 | 82.229 | 0.01912 | 0.00000 | 319537.6 | 135050.5 | 183122.1 | S |
| 159.975 | 0.0000 | 0.0000 | 82.229 | 0.01912 | 0.00000 | 319537.6 | 135051.0 | 183122.1 | S |
| 159.983 | 0.0000 | 0.0000 | 82.229 | 0.01911 | 0.00000 | 319537.6 | 135051.6 | 183122.1 | S |
| 159.992 | 0.0000 | 0.0000 | 82.229 | 0.01911 | 0.00000 | 319537.6 | 135052.2 | 183122.1 | S |
| 160.000 | 0.0000 | 0.0000 | 82.229 | 0.01911 | 0.00000 | 319537.6 | 135052.8 | 183122.1 | S |
| 160.008 | 0.0000 | 0.0000 | 82.229 | 0.01911 | 0.00000 | 319537.6 | 135053.3 | 183122.1 | S |
| 160.017 | 0.0000 | 0.0000 | 82.229 | 0.01911 | 0.00000 | 319537.6 | 135053.9 | 183122.1 | S |
| 160.025 | 0.0000 | 0.0000 | 82.228 | 0.01910 | 0.00000 | 319537.6 | 135054.5 | 183122.1 | S |
| 160.033 | 0.0000 | 0.0000 | 82.228 | 0.01910 | 0.00000 | 319537.6 | 135055.1 | 183122.1 | S |
| 160.042 | 0.0000 | 0.0000 | 82.228 | 0.01910 | 0.00000 | 319537.6 | 135055.6 | 183122.1 | S |
| 160.050 | 0.0000 | 0.0000 | 82.228 | 0.01910 | 0.00000 | 319537.6 | 135056.2 | 183122.1 | S |
| 160.058 | 0.0000 | 0.0000 | 82.228 | 0.01910 | 0.00000 | 319537.6 | 135056.8 | 183122.1 | S |
| 160.067 | 0.0000 | 0.0000 | 82.228 | 0.01909 | 0.00000 | 319537.6 | 135057.3 | 183122.1 | S |
| 160.075 | 0.0000 | 0.0000 | 82.228 | 0.01909 | 0.00000 | 319537.6 | 135057.9 | 183122.1 | S |
| 160.083 | 0.0000 | 0.0000 | 82.228 | 0.01909 | 0.00000 | 319537.6 | 135058.5 | 183122.1 | S |
| 160.092 | 0.0000 | 0.0000 | 82.228 | 0.01909 | 0.00000 | 319537.6 | 135059.1 | 183122.1 | S |
| 160.100 | 0.0000 | 0.0000 | 82.228 | 0.01909 | 0.00000 | 319537.6 | 135059.6 | 183122.1 | S |
| 160.108 | 0.0000 | 0.0000 | 82.228 | 0.01908 | 0.00000 | 319537.6 | 135060.2 | 183122.1 | S |
| 160.117 | 0.0000 | 0.0000 | 82.227 | 0.01908 | 0.00000 | 319537.6 | 135060.8 | 183122.1 | S |
| 160.125 | 0.0000 | 0.0000 | 82.227 | 0.01908 | 0.00000 | 319537.6 | 135061.4 | 183122.1 | S |
| 160.133 | 0.0000 | 0.0000 | 82.227 | 0.01908 | 0.00000 | 319537.6 | 135061.9 | 183122.1 | S |
| 160.142 | 0.0000 | 0.0000 | 82.227 | 0.01908 | 0.00000 | 319537.6 | 135062.5 | 183122.1 | S |
| 160.150 | 0.0000 | 0.0000 | 82.227 | 0.01908 | 0.00000 | 319537.6 | 135063.1 | 183122.1 | S |
| 160.158 | 0.0000 | 0.0000 | 82.227 | 0.01907 | 0.00000 | 319537.6 | 135063.7 | 183122.1 | S |
| 160.167 | 0.0000 | 0.0000 | 82.227 | 0.01907 | 0.00000 | 319537.6 | 135064.2 | 183122.1 | S |
| 160.175 | 0.0000 | 0.0000 | 82.227 | 0.01907 | 0.00000 | 319537.6 | 135064.8 | 183122.1 | S |
| 160.183 | 0.0000 | 0.0000 | 82.227 | 0.01907 | 0.00000 | 319537.6 | 135065.4 | 183122.1 | S |
| 160.192 | 0.0000 | 0.0000 | 82.227 | 0.01907 | 0.00000 | 319537.6 | 135065.9 | 183122.1 | S |
| 160.200 | 0.0000 | 0.0000 | 82.227 | 0.01906 | 0.00000 | 319537.6 | 135066.5 | 183122.1 | S |
| 160.208 | 0.0000 | 0.0000 | 82.226 | 0.01906 | 0.00000 | 319537.6 | 135067.1 | 183122.1 | S |
| 160.217 | 0.0000 | 0.0000 | 82.226 | 0.01906 | 0.00000 | 319537.6 | 135067.7 | 183122.1 | S |
| 160.225 | 0.0000 | 0.0000 | 82.226 | 0.01906 | 0.00000 | 319537.6 | 135068.2 | 183122.1 | S |
| 160.233 | 0.0000 | 0.0000 | 82.226 | 0.01906 | 0.00000 | 319537.6 | 135068.8 | 183122.1 | S |
| 160.242 | 0.0000 | 0.0000 | 82,226 | 0.01905 | 0.00000 | 319537.6 | 135069.4 | 183122.1 | S |
| 160.250 | 0.0000 | 0.0000 | 82.226 | 0.01905 | 0.00000 | 319537.6 | 135069.9 | 183122.1 | S |
| 160.258 | 0.0000 | 0.0000 | 82.226 | 0.01905 | 0.00000 | 319537.6 | 135070.5 | 183122.1 | S |
| 160.267 | 0.0000 | 0.0000 | 82.226 | 0.01905 | 0.00000 | 319537.6 | 135071.1 | 183122.1 | S |
| 160.275 | 0.0000 | 0.0000 | 82.226 | 0.01905 | 0.00000 | 319537.6 | 135071.7 | 183122.1 | S |
| 160.283 | 0.0000 | 0.0000 | 82.226 | 0.01905 | 0.00000 | 319537.6 | 135072.2 | 183122.1 | S |
| 160.292 | 0.0000 | 0.0000 | 82.225 | 0.01904 | 0.00000 | 319537.6 | 135072.8 | 183122.1 | S |
| 160.300 | 0.0000 | 0.0000 | 82.225 | 0.01904 | 0.00000 | 319537.6 | 135073.4 | 183122.1 | S |
| 160.308 | 0.0000 | 0.0000 | 82.225 | 0.01904 | 0.00000 | 319537.6 | 135073.9 | 183122.1 | S |
| 160.317 | 0.0000 | 0.0000 | 82.225 | 0.01904 | 0.00000 | 319537.6 | 135074.5 | 183122.1 | S |
| 160.325 | 0.0000 | 0.0000 | 82.225 | 0.01904 | 0.00000 | 319537.6 | 135075.1 | 183122.1 | S |

# PONDS Version 3.2.0207 

Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario $1::$ pond10 100 yr $/ 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume (fis) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 160.333 | 0.0000 | 0.0000 | 82.225 | 0.01903 | 0.00000 | 319537.6 | 135075.7 | 183122.1 | S |
| 160.342 | 0.0000 | 0.0000 | 82.225 | 0.01903 | 0.00000 | 319537.6 | 135076.2 | 183122.1 | S |
| 160.350 | 0.0000 | 0.0000 | 82.225 | 0.01903 | 0.00000 | 319537.6 | 135076.8 | 183122. | S |
| 160.358 | 0.0000 | 0.0000 | 82.225 | 0.01903 | 0.00000 | 319537.6 | 135077.4 | 183122.1 | S |
| 160.367 | 0.0000 | 0.0000 | 82.225 | 0.01903 | 0.00000 | 319537.6 | 135077.9 | 183122.1 | S |
| 160.375 | 0.0000 | 0.0000 | 82.225 | 0.01903 | 0.00000 | 319537.6 | 135078.5 | 183122.1 | S |
| 160.383 | 0.0000 | 0.0000 | 82.224 | 0.01902 | 0.00000 | 319537.6 | 135079.1 | 183122.1 | S |
| 160.392 | 0.0000 | 0.0000 | 82.224 | 0.01902 | 0.00000 | 319537.6 | 135079.7 | 183122.1 | S |
| 160.400 | 0.0000 | 0.0000 | 82.224 | 0.01902 | 0.00000 | 319537.6 | 135080.2 | 183122.1 | S |
| 160.408 | 0.0000 | 0.0000 | 82.224 | 0.01902 | 0.00000 | 319537.6 | 135080.8 | 183122.1 | S |
| 160.417 | 0.0000 | 0.0000 | 82.224 | 0.01902 | 0.00000 | 319537.6 | 135081.4 | 183122.1 | S |
| 160.425 | 0.0000 | 0.0000 | 82.224 | 0.01901 | 0.00000 | 319537.6 | 135081.9 | 183122.1 | S |
| 160.433 | 0.0000 | 0.0000 | 82.224 | 0.01901 | 0.00000 | 319537.6 | 135082.5 | 183122.1 | S |
| 160.442 | 0.0000 | 0.0000 | 82.224 | 0.01901 | 0.00000 | 319537.6 | 135083.1 | 183122.1 | S |
| 160.450 | 0.0000 | 0.0000 | 82.224 | 0.01901 | 0.00000 | 319537.6 | 135083.6 | 183122.1 | S |
| 160.458 | 0.0000 | 0.0000 | 82.224 | 0.01901 | 0.00000 | 319537.6 | 135084.2 | 183122.1 | S |
| 160.467 | 0.0000 | 0.0000 | 82.224 | 0.01900 | 0.00000 | 319537.6 | 135084.8 | 183122.1 | S |
| 160.475 | 0.0000 | 0.0000 | 82.223 | 0.01900 | 0.00000 | 319537.6 | 135085.4 | 183122.1 | S |
| 160.483 | 0.0000 | 0.0000 | 82.223 | 0.01900 | 0.00000 | 319537.6 | 135085.9 | 183122.1 | S |
| 160.492 | 0.0000 | 0.0000 | 82.223 | 0.01900 | 0.00000 | 319537.6 | 135086.5 | 183122.1 | S |
| 160.500 | 0.0000 | 0.0000 | 82.223 | 0.01900 | 0.00000 | 319537.6 | 135087.1 | 183122.1 | S |
| 160.508 | 0.0000 | 0.0000 | 82.223 | 0.01900 | 0.00000 | 319537.6 | 135087.6 | 183122.1 | S |
| 160.517 | 0.0000 | 0.0000 | 82.223 | 0.01899 | 0.00000 | 319537.6 | 135088.2 | 183122.1 | S |
| 160.525 | 0.0000 | 0.0000 | 82.223 | 0.01899 | 0.00000 | 319537.6 | 135088.8 | 183122.1 | S |
| 160.533 | 0.0000 | 0.0000 | 82.223 | 0.01899 | 0.00000 | 319537.6 | 135089.3 | 183122.1 | S |
| 160.542 | 0.0000 | 0.0000 | 82.223 | 0.01899 | 0.00000 | 319537.6 | \$35089.9 | 183122.1 | S |
| 160.550 | 0.0000 | 0.0000 | 82.223 | 0.01899 | 0.00000 | 319537.6 | 135090.5 | 183122.1 | S |
| 160.558 | 0.0000 | 0.0000 | 82.223 | 0.01898 | 0.00000 | 319537.6 | 135091.0 | 183122.1 | S |
| 160.567 | 0.0000 | 0.0000 | 82.222 | 0.01898 | 0.00000 | 319537.6 | 135091.6 | 183122.1 | S |
| 160.575 | 0.0000 | 0.0000 | 82.222 | 0.01898 | 0.00000 | 319537.6 | 135092.2 | 183122.1 | S |
| 160.583 | 0.0000 | 0.0000 | 82.222 | 0.01898 | 0.00000 | 319537.6 | 135092.8 | 183122.1 | S |
| 160.592 | 0.0000 | 0.0000 | 82.222 | 0.01898 | 0.00000 | 319537.6 | 135093.3 | 183122.1 | S |
| 160.600 | 0.0000 | 0.0000 | 82.222 | 0.01897 | 0.00000 | 319537.6 | 135093.9 | 183122.1 | S |
| 160.608 | 0.0000 | 0.0000 | 82.222 | 0.01897 | 0.00000 | 319537.6 | 135094.5 | 183122.1 | S |
| 160.617 | 0.0000 | 0.0000 | 82.222 | 0.01897 | 0.00000 | 319537.6 | 135095.0 | 183122.1 | S |
| 160.625 | 0.0000 | 0.0000 | 82.222 | 0.01897 | 0.00000 | 319537.6 | 135095.6 | 183122.1 | S |
| 160.633 | 0.0000 | 0.0000 | 82.222 | 0.01897 | 0.00000 | 319537.6 | 135096.2 | 183122.1 | S |
| 160.642 | 0.0000 | 0.0000 | 82.222 | 0.01897 | 0.00000 | 319537.6 | 135096.8 | 183122.1 | S |
| 160.650 | 0.0000 | 0.0000 | 82.222 | 0.01896 | 0.00000 | 319537.6 | 135097.3 | 183122.1 | S |
| 160.658 | 0.0000 | 0.0000 | 82.221 | 0.01896 | 0.00000 | 319537.6 | 135097.9 | 183122.1 | S |
| 160.667 | 0.0000 | 0.0000 | 82.221 | 0.01896 | 0.00000 | 319537.6 | 135098.5 | 183122.1 | S |
| 160.675 | 0.0000 | 0.0000 | 82.221 | 0.01896 | 0.00000 | 319537.6 | 135099.0 | 183122.1 | S |
| 160.683 | 0.0000 | 0.0000 | 82.221 | 0.01896 | 0.00000 | 319537.6 | 135099.6 | 183122.1 | S |
| 160.692 | 0.0000 | 0.0000 | 82.221 | 0.01895 | 0.00000 | 319537.6 | 135100.2 | 183122.1 | S |
| 160.700 | 0.0000 | 0.0000 | 82.221 | 0.01895 | 0.00000 | 319537.6 | 135100.7 | 183122.1 | S |
| 160.708 | 0.0000 | 0.0000 | 82.221 | 0.01895 | 0.00000 | 319537.6 | 135101.3 | 183122.1 | S |
| 160.717 | 0.0000 | 0.0000 | 82.221 | 0.01895 | 0.00000 | 319537.6 | 135101.9 | 183122.1 | S |
| 160.725 | 0.0000 | 0.0000 | 82.221 | 0.01895 | 0.00000 | 319537.6 | 135102.4 | 183122.1 | S |
| $\$ 60.733$ | 0.0000 | 0.0000 | 82.221 | 0.01894 | 0.00000 | 319537.6 | 135103.0 | 183122.1 | S |
| 160.742 | 0.0000 | 0.0000 | 82.220 | 0.01894 | 0.00000 | 319537.6 | 135103.6 | 183122.1 | S |
| 160.750 | 0.0000 | 0.0000 | 82.220 | 0.01894 | 0.00000 | 319537.6 | 135104.1 | 183122.1 | S |
| 160.758 | 0.0000 | 0.0000 | 82.220 | 0.01894 | 0.00000 | 319537.6 | 135104.7 | 183122.1 | S |
| 160.767 | 0.0000 | 0.0000 | 82.220 | 0.01894 | 0.00000 | 319537.6 | 135105.3 | 183122.1 | S |
| 160.775 | 0.0000 | 0.0000 | 82.220 | 0.01894 | 0.00000 | 319537.6 | 135105.8 | 183122.1 | S |
| 160.783 | 0.0000 | 0.0000 | 82.220 | 0.01893 | 0.00000 | 319537.6 | 135106.4 | 183122.1 | S |
| 160.792 | 0.0000 | 0.0000 | 82.220 | 0.01893 | 0.00000 | 319537.6 | 135107.0 | 183122.1 | S |
| 160.800 | 0.0000 | 0.0000 | 82.220 | 0.01893 | 0.00000 | 319537.6 | 135107.5 | 183122.1 | S |
| 160.808 | 0.0000 | 0.0000 | 82.220 | 0.01893 | 0.00000 | 319537.6 | 135108.1 | 183122.1 | S |
| 160.817 | 0.0000 | 0.0000 | 82.220 | 0.01893 | 0.00000 | 319537.6 | 135108.7 | 183122.1 | S |
| 160.825 | 0.0000 | 0.0000 | 82.220 | 0.01892 | 0.00000 | 319537.6 | 135109.3 | 183122.1 | S |
| 160.833 | 0.0000 | 0.0000 | 82.219 | 0.01892 | 0.00000 | 319537.6 | 135109.8 | 183122.1 | S |
| 160.842 | 0.0000 | 0.0000 | 82.219 | 0.01892 | 0.00000 | 319537.6 | 135110.4 | 183122.1 | S |
| 160.850 | 0.0000 | 0.0000 | 82.219 | 0.01892 | 0.00000 | 319537.6 | 135111.0 | 183122.1 | S |
| 160.858 | 0.0000 | 0.0000 | 82.219 | 0.01892 | 0.00000 | 319537.6 | 135111.5 | 183122.1 | S |
| 160.867 | 0.0000 | 0.0000 | 82.219 | 0.01892 | 0.00000 | 319537.6 | 135112.1 | 183122.1 | S |
| 160.875 | 0.0000 | 0.0000 | 82.219 | 0.01891 | 0.00000 | 319537.6 | 135112.7 | 183122.1 | S |
| 160.883 | 0.0000 | 0.0000 | 82.219 | 0.01891 | 0.00000 | 319537.6 | $1351 \nmid 3.2$ | 183122.1 | S |
| 160.892 | 0.0000 | 0.0000 | 82.219 | 0.01891 | 0.00000 | 319537.6 | 135113.8 | 183122.1 | S |
| 160.900 | 0.0000 | 0.0000 | 82.219 | 0.01891 | 0.00000 | 319537.6 | 135114.4 | 183122.1 | S |
| 160.908 | 0.0000 | 0.0000 | 82.219 | 0.01891 | 0.00000 | 319537.6 | 135114.9 | 183122.1 | S |
| 160.917 | 0.0000 | 0.0000 | 82.219 | 0.01890 | 0.00000 | 319537.6 | 135115.5 | 183122.1 | S |
| 160.925 | 0.0000 | 0.0000 | 82.218 | 0.01890 | 0.00000 | 319537.6 | 135116.1 | 183122.1 | S |
| 160.933 | 0.0000 | 0.0000 | 82.218 | 0.01890 | 0.00000 | 319537.6 | 135116.6 | 183122.1 | S |
| 160.942 | 0.0000 | 0.0000 | 82.218 | 0.01890 | 0.00000 | 319537.6 | 135117.2 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (f/day) | Stage Elevation (ft datum) | Infiltration Rate (ft ${ }^{3} / \mathrm{s}$ ) | Overllow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 160.950 | 0.0000 | 0.0000 | 82.218 | 0.01890 | 0.00000 | 319537.6 | 135117.8 | 183122.1 | S |
| 160.958 | 0.0000 | 0.0000 | 82.218 | 0.01889 | 0.00000 | 319537.6 | 135118.3 | 183122.1 | S |
| 160.967 | 0.0000 | 0.0000 | 82.218 | 0.01889 | 0.00000 | 319537.6 | 135118.9 | 183122.1 | S |
| 160.975 | 0.0000 | 0.0000 | 82.218 | 0.01889 | 0.00000 | 319537.6 | 135119.5 | 183122.1 | S |
| 160.983 | 0.0000 | 0.0000 | 82.218 | 0.01889 | 0.00000 | 319537.6 | 135120.0 | 183122.1 | S |
| 160.992 | 0.0000 | 0.0000 | 82.218 | 0.01889 | 0.00000 | 319537.6 | 135120.6 | 183122.1 | S |
| 161.000 | 0.0000 | 0.0000 | 82.218 | 0.01889 | 0.00000 | 319537.6 | 135121.2 | 183122.1 | S |
| 161.008 | 0.0000 | 0.0000 | 82.218 | 0.01888 | 0.00000 | 319537.6 | 135121.7 | 183122.1 | S |
| 161.017 | 0.0000 | 0.0000 | 82.217 | 0.01888 | 0.00000 | 319537.6 | 135122.3 | 183122.1 | S |
| 161.025 | 0.0000 | 0.0000 | 82.217 | 0.01888 | 0.00000 | 319537.6 | 135122.9 | 183122.1 | S |
| 161.033 | 0.0000 | 0.0000 | 82.217 | 0.01888 | 0.00000 | 319537.6 | 135123.4 | 183122.1 | S |
| 161.042 | 0.0000 | 0.0000 | 82.217 | 0.01888 | 0.00000 | 319537.6 | 135124.0 | 183122.1 | S |
| 161.050 | 0.0000 | 0.0000 | 82.217 | 0.01887 | 0.00000 | 319537.6 | 135124.6 | 183122.1 | S |
| 161.058 | 0.0000 | 0.0000 | 82.217 | 0.01887 | 0.00000 | 319537.6 | 135125.1 | 183122.1 | S |
| 161.067 | 0.0000 | 0.0000 | 82.217 | 0.01887 | 0.00000 | 319537.6 | 135125.7 | 183122.1 | S |
| 161.075 | 0.0000 | 0.0000 | 82.217 | 0.01887 | 0.00000 | 319537.6 | 135126.3 | 183122.1 | S |
| 161.083 | 0.0000 | 0.0000 | 82.217 | 0.01887 | 0.00000 | 319537.6 | 135126.8 | 183122.1 | S |
| 161.092 | 0.0000 | 0.0000 | 82.217 | 0.01887 | 0.00000 | 319537.6 | 135127.4 | 183122.1 | S |
| 161.100 | 0.0000 | 0.0000 | 82.217 | 0.01886 | 0.00000 | 319537.6 | 135128.0 | 183122.1 | S |
| 161.108 | 0.0000 | 0.0000 | 82.216 | 0.01886 | 0.00000 | 319537.6 | 135128.5 | 183122.1 | S |
| 161.117 | 0.0000 | 0.0000 | 82.216 | 0.01886 | 0.00000 | 319537.6 | 135129.1 | 183122.1 | S |
| 161.125 | 0.0000 | 0.0000 | 82.216 | 0.01886 | 0.00000 | 319537.6 | 135129.7 | 183122.1 | S |
| 161.133 | 0.0000 | 0.0000 | 82.216 | 0.01886 | 0.00000 | 319537.6 | 135130.2 | 183122.1 | S |
| 161.142 | 0.0000 | 0.0000 | 82.216 | 0.01885 | 0.00000 | 319537.6 | 135130.8 | 183122.1 | S |
| 161.150 | 0.0000 | 0.0000 | 82.216 | 0.01885 | 0.00000 | 319537.6 | 135131.3 | 183122.4 | S |
| 161.158 | 0.0000 | 0.0000 | 82.216 | 0.01885 | 0.00000 | 319537.6 | 135131.9 | 183122.1 | S |
| 161.167 | 0.0000 | 0.0000 | 82.216 | 0.01885 | 0.00000 | 319537.6 | 135132.5 | 183122.1 | S |
| 161.175 | 0.0000 | 0.0000 | 82.216 | 0.01885 | 0.00000 | 319537.6 | 135133.0 | 183122.1 | S |
| 161.183 | 0.0000 | 0.0000 | 82.216 | 0.01885 | 0.00000 | 319537.6 | 135133.6 | 183122.1 | S |
| 161.192 | 0.0000 | 0.0000 | 82.215 | 0.01884 | 0.00000 | 319537.6 | 135134.2 | 183122.1 | S |
| 161.200 | 0.0000 | 0.0000 | 82.215 | 0.01884 | 0.00000 | 319537.6 | 135134.7 | 183122.1 | S |
| 161.208 | 0.0000 | 0.0000 | 82.215 | 0.01884 | 0.00000 | 319537.6 | 135135.3 | 183122.1 | S |
| 161.217 | 0.0000 | 0.0000 | 82.215 | 0.01884 | 0.00000 | 319537.6 | 135135.9 | 183122.1 | S |
| 161.225 | 0.0000 | 0.0000 | 82.215 | 0.01884 | 0.00000 | 319537.6 | 135136.4 | 183122.1 | S |
| 161.233 | 0.0000 | 0.0000 | 82.215 | 0.01883 | 0.00000 | 319537.6 | 135137.0 | 183122.1 | S |
| 161.242 | 0.0000 | 0.0000 | 82.215 | 0.01883 | 0.00000 | 319537.6 | 135137.6 | 183122.1 | S |
| 161.250 | 0.0000 | 0.0000 | 82.215 | 0.01883 | 0.00000 | 319537.6 | 135138.1 | 183122.1 | S |
| 161.258 | 0.0000 | 0.0000 | 82.215 | 0.01883 | 0.00000 | 319537.6 | 135138.7 | 183122.1 | S |
| 161.267 | 0.0000 | 0.0000 | 82.215 | 0.01883 | 0.00000 | 319537.6 | 135139.3 | 183122.1 | S |
| 161.275 | 0.0000 | 0.0000 | 82.215 | 0.01882 | 0.00000 | 319537.6 | 135139.8 | 183122.1 | S |
| 161.283 | 0.0000 | 0.0000 | 82.214 | 0.01882 | 0.00000 | 319537.6 | 135140.4 | 183122.1 | S |
| 161.292 | 0.0000 | 0.0000 | 82.214 | 0.01882 | 0.00000 | 319537.6 | 135141.0 | 183122.1 | S |
| 161.300 | 0.0000 | 0.0000 | 82.214 | 0.01882 | 0.00000 | 319537.6 | 135141.5 | 183122.1 | S |
| 161.308 | 0.0000 | 0.0000 | 82.214 | 0.01882 | 0.00000 | 319537.6 | 135142.1 | 183122.1 | S |
| 161.317 | 0.0000 | 0.0000 | 82.214 | 0.01882 | 0.00000 | 319537.6 | 135142.6 | 183122.1 | S |
| 161.325 | 0.0000 | 0.0000 | 82.214 | 0.01881 | 0.00000 | 319537.6 | 135143.2 | 183122.1 | S |
| 161.333 | 0.0000 | 0.0000 | 82.214 | 0.01881 | 0.00000 | 319537.6 | 135143.8 | 183122.1 | S |
| 161.342 | 0.0000 | 0.0000 | 82.214 | 0.01881 | 0.00000 | 319537.6 | 135144.3 | 183122.1 | S |
| 161.350 | 0.0000 | 0.0000 | 82.214 | 0.01881 | 0.00000 | 319537.6 | 135144.9 | 183122.1 | S |
| 161.358 | 0.0000 | 0.0000 | 82.214 | 0.01881 | 0.00000 | 319537.6 | 135145.5 | 183122.1 | S |
| 161.367 | 0.0000 | 0.0000 | 82.214 | 0.01880 | 0.00000 | 319537.6 | 135146.0 | 183122.1 | S |
| 161.375 | 0.0000 | 0.0000 | 82.213 | 0.01880 | 0.00000 | 319537.6 | 135146.6 | 183122.1 | S |
| 161.383 | 0.0000 | 0.0000 | 82.213 | 0.01880 | 0.00000 | 319537.6 | 135147.2 | 183122.1 | S |
| 161.392 | 0.0000 | 0.0000 | 82.213 | 0.01880 | 0.00000 | 319537.6 | 135147.7 | 183122.1 | S |
| 161.400 | 0.0000 | 0.0000 | 82.213 | 0.01880 | 0.00000 | 319537.6 | 135148.3 | 183122.1 | S |
| 161.408 | 0.0000 | 0.0000 | 82.213 | 0.01880 | 0.00000 | 319537.6 | 135148.9 | 183122.1 | S |
| 161.417 | 0.0000 | 0.0000 | 82.213 | 0.01879 | 0.00000 | 319537.6 | 135149.4 | 183122.1 | S |
| 161.425 | 0.0000 | 0.0000 | 82.213 | 0.01879 | 0.00000 | 319537.6 | 135150.0 | 183122.1 | S |
| 161.433 | 0.0000 | 0.0000 | 82.213 | 0.01879 | 0.00000 | 319537.6 | 135150.5 | 183122.1 | S |
| 161.442 | 0.0000 | 0.0000 | 82.213 | 0.01879 | 0.00000 | 319537.6 | 135151.1 | 183122.1 | S |
| 161.450 | 0.0000 | 0.0000 | 82.213 | 0.01879 | 0.00000 | 319537.6 | 135151.7 | 183122.1 | S |
| 161.458 | 0.0000 | 0.0000 | 82.213 | 0.01878 | 0.00000 | 319537.6 | 135152.2 | 183122.1 | S |
| 161.467 | 0.0000 | 0.0000 | 82.212 | 0.01878 | 0.00000 | 319537.6 | 135152.8 | 183122.1 | S |
| 161.475 | 0.0000 | 0.0000 | 82.212 | 0.01878 | 0.00000 | 319537.6 | 135153.4 | 183122.1 | S |
| 161.483 | 0.0000 | 0.0000 | 82.212 | 0.01878 | 0.00000 | 319537.6 | 135153.9 | 183122.1 | S |
| 161.492 | 0.0000 | 0.0000 | 82.212 | 0.01878 | 0.00000 | 319537.6 | 135154.5 | 183122.1 | S |
| 161.500 | 0.0000 | 0.0000 | 82.212 | 0.01878 | 0.00000 | 319537.6 | 135155.0 | 183122.1 | S |
| 161.508 | 0.0000 | 0.0000 | 82.212 | 0.01877 | 0.00000 | 319537.6 | 135155.6 | 183122.1 | S |
| 161.517 | 0.0000 | 0.0000 | 82.212 | 0.01877 | 0.00000 | 319537.6 | 135156.2 | 183122.1 | S |
| 161.525 | 0.0000 | 0.0000 | 82.212 | 0.01877 | 0.00000 | 319537.6 | 135156.7 | 183122.1 | S |
| 161.533 | 0.0000 | 0.0000 | 82.212 | 0.01877 | 0.00000 | 319537.6 | 135157.3 | 183122.1 | S |
| 161.542 | 0.0000 | 0.0000 | 82.212 | 0.01877 | 0.00000 | 319537.6 | 135157.9 | 183122.1 | S |
| 161.550 | 0.0000 | 0.0000 | 82.212 | 0.01876 | 0.00000 | 319537.6 | 135158.4 | 183122.1 | S |
| 161.558 | 0.0000 | 0.0000 | 82.211 | 0.01876 | 0.00000 | 319537.6 | 135159.0 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / 3}$ ) | Outside <br> Recharge (flday) | Stage Elevation ( H datum) | Infiltration Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{t}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ff}^{3}$ ) | Cumulative Discharge Volume (f $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 161.567 | 0.0000 | 0.0000 | 82.211 | 0.01876 | 0.00000 | 319537.6 | 135159.6 | 183122.1 | S |
| 161.575 | 0.0000 | 0.0000 | 82.211 | 0.01876 | 0.00000 | 319537.6 | 135160.1 | 183122.1 | S |
| 161.583 | 0.0000 | 0.0000 | 82.211 | 0.01876 | 0.00000 | 319537.6 | 135160.7 | 183122.1 | S |
| 161.592 | 0.0000 | 0.0000 | 82.211 | 0.01876 | 0.00000 | 319537.6 | 135161.3 | 183122.1 | S |
| 161.600 | 0.0000 | 0.0000 | 82.211 | 0.01875 | 0.00000 | 319537.6 | 135161.8 | 183122.1 | S |
| 161.608 | 0.0000 | 0.0000 | 82.211 | 0.01875 | 0.00000 | 319537.6 | 135162.4 | 183122.1 | S |
| 161.617 | 0.0000 | 0.0000 | 82.211 | 0.01875 | 0.00000 | 319537.6 | 135162.9 | 183122.1 | S |
| 161.625 | 0.0000 | 0.0000 | 82.211 | 0.01875 | 0.00000 | 319537.6 | 135163.5 | 183122.1 | S |
| 161.633 | 0.0000 | 0.0000 | 82.211 | 0.01875 | 0.00000 | 319537.6 | 135164.1 | 183122.1 | S |
| 161.642 | 0.0000 | 0.0000 | 82.211 | 0.01874 | 0.00000 | 319537.6 | 135164.6 | 183122.1 | S |
| 161.650 | 0.0000 | 0.0000 | 82.210 | 0.01874 | 0.00000 | 319537.6 | 135165.2 | 183122.1 | S |
| 161.658 | 0.0000 | 0.0000 | 82.210 | 0.01874 | 0.00000 | 319537.6 | 135165.8 | 183122.1 | S |
| 161.667 | 0.0000 | 0.0000 | 82.210 | 0.01874 | 0.00000 | 319537.6 | 135166.3 | 183122.1 | S |
| 161.675 | 0.0000 | 0.0000 | 82.210 | 0.01874 | 0.00000 | 318537.6 | 135166.9 | 183122.1 | S |
| 161.683 | 0.0000 | 0.0000 | 82.210 | 0.01873 | 0.00000 | 319537.6 | 135167.4 | 183122.1 | S |
| 161.692 | 0.0000 | 0.0000 | 82.210 | 0.01873 | 0.00000 | 319537.6 | 135168.0 | 183122.1 | S |
| 161.700 | 0.0000 | 0.0000 | 82.210 | 0.01873 | 0.00000 | 319537.6 | 135168.5 | 183122.1 | S |
| 161.708 | 0.0000 | 0.0000 | 82.210 | 0.01873 | 0.00000 | 319537.6 | 135169.1 | 183122.4 | S |
| 161.717 | 0.0000 | 0.0000 | 82.210 | 0.01873 | 0.00000 | 319537.6 | 135169.7 | 183122.1 | S |
| 161.725 | 0.0000 | 0.0000 | 82.210 | 0.01873 | 0.00000 | 319537.6 | 135170.2 | \{83122.1 | S |
| 161.733 | 0.0000 | 0.0000 | 82.210 | 0.01872 | 0.00000 | 319537.6 | 135170.8 | 183122.1 | S |
| 161.742 | 0.0000 | 0.0000 | 82.209 | 0.01872 | 0.00000 | 319537.6 | 135171.4 | 183122.1 | S |
| 161.750 | 0.0000 | 0.0000 | 82.209 | 0.01872 | 0.00000 | 319537.6 | 135171.9 | 183122.1 | S |
| 161.758 | 0.0000 | 0.0000 | 82.209 | 0.01872 | 0.00000 | 319537.6 | 135172.5 | 183122.1 | S |
| 161.767 | 0.0000 | 0.0000 | 82.209 | 0.01872 | 0.00000 | 319537.6 | 135173.0 | 183122.1 | S |
| 161.775 | 0.0000 | 0.0000 | 82.209 | 0.01871 | 0.00000 | 319537.6 | 135173.6 | 183122.1 | S |
| 161.783 | 0.0000 | 0.0000 | 82.209 | 0.01871 | 0.00000 | 319537.6 | 135174.2 | 183122.1 | S |
| 161.792 | 0.0000 | 0.0000 | 82.209 | 0.01871 | 0.00000 | 319537.6 | 135174.7 | 183122.1 | S |
| 161.800 | 0.0000 | 0.0000 | 82.209 | 0.01871 | 0.00000 | 319537.6 | 135175.3 | 183122.1 | S |
| 161.808 | 0.0000 | 0.0000 | 82.209 | 0.01874 | 0.00000 | 319537.6 | 135175.9 | 183122.1 | S |
| 161.817 | 0.0000 | 0.0000 | 82.209 | 0.01871 | 0.00000 | 319537.6 | 135176.4 | 183122.1 | S |
| 161.825 | 0.0000 | 0.0000 | 82.209 | 0.01870 | 0.00000 | 319537.6 | 135177.0 | 183122.1 | S |
| 161.833 | 0.0000 | 0.0000 | 82.208 | 0.01870 | 0.00000 | 319537.6 | 135177.5 | 183122.1 | S |
| 161.842 | 0.0000 | 0.0000 | 82.208 | 0.01870 | 0.00000 | 319537.6 | 135178.1 | 183122.1 | S |
| 161.850 | 0.0000 | 0.0000 | 82.208 | 0.01870 | 0.00000 | 319537.6 | 135178.7 | 183122.1 | S |
| 161.858 | 0.0000 | 0.0000 | 82.208 | 0.01870 | 0.00000 | 319537.6 | 135179.2 | 183122.1 | S |
| 161.867 | 0.0000 | 0.0000 | 82.208 | 0.01869 | 0.00000 | 319537.6 | 135179.8 | 183122.1 | S |
| 161.875 | 0.0000 | 0.0000 | 82.208 | 0.01869 | 0.00000 | 319537.6 | 135180.3 | 183122.1 | S |
| 161.883 | 0.0000 | 0.0000 | 82.208 | 0.01869 | 0.00000 | 319537.6 | 135180.9 | 183122.1 | S |
| 161.892 | 0.0000 | 0.0000 | 82.208 | 0.01869 | 0.00000 | 319537.6 | 135181.5 | 183122.1 | S |
| 161.900 | 0.0000 | 0.0000 | 82.208 | 0.01869 | 0.00000 | 319537.6 | 135182.0 | 183122.1 | S |
| 161.908 | 0.0000 | 0.0000 | 82.208 | 0.01869 | 0.00000 | $3 \ddagger 9537.6$ | 135182.6 | 183122.1 | S |
| 161.917 | 0.0000 | 0.0000 | 82.208 | 0.01868 | 0.00000 | 319537.6 | 135183.1 | 183122.1 | S |
| 161.925 | 0.0000 | 0.0000 | 82.207 | 0.01868 | 0.00000 | 319537.6 | 135183.7 | 183122.1 | S |
| 161.933 | 0.0000 | 0.0000 | 82.207 | 0.01868 | 0.00000 | 319537.6 | 135184.3 | 183122.1 | S |
| 161.942 | 0.0000 | 0.0000 | 82.207 | 0.01868 | 0.00000 | 319537.6 | 135184.8 | 183122.1 | S |
| 161.950 | 0.0000 | 0.0000 | 82.207 | 0.01868 | 0.00000 | 319537.6 | 135185.4 | 183122.1 | S |
| 161.958 | 0.0000 | 0.0000 | 82.207 | 0.01867 | 0.00000 | 319537.6 | 135186.0 | 183122.1 | S |
| 161.967 | 0.0000 | 0.0000 | 82.207 | 0.01867 | 0.00000 | 319537.6 | 135186.5 | 183122.1 | S |
| 161.975 | 0.0000 | 0.0000 | 82.207 | 0.01867 | 0.00000 | 319537.6 | 135187.1 | 183122.1 | S |
| 161.983 | 0.0000 | 0.0000 | 82.207 | 0.01867 | 0.00000 | 319537.6 | 135187.6 | 183122.1 | S |
| 161.992 | 0.0000 | 0.0000 | 82.207 | 0.01867 | 0.00000 | 319537.6 | 135188.2 | 183122.1 | S |
| 162.000 | 0.0000 | 0.0000 | 82.207 | 0.01867 | 0.00000 | 319537.6 | 135188.8 | 183122.1 | S |
| 162.008 | 0.0000 | 0.0000 | 82.206 | 0.01866 | 0.00000 | 319537.6 | 135189.3 | 183122.1 | S |
| 162.017 | 0.0000 | 0.0000 | 82.206 | 0.01866 | 0.00000 | 319537.6 | 135189.9 | 183122.1 | S |
| 162.025 | 0.0000 | 0.0000 | 82.206 | 0.01866 | 0.00000 | 319537.6 | 135190.4 | 183122.1 | S |
| 162.033 | 0.0000 | 0.0000 | 82.206 | 0.01866 | 0.00000 | 319537.6 | 135191.0 | 183122.1 | S |
| 162.042 | 0.0000 | 0.0000 | 82.206 | 0.01866 | 0.00000 | 319537.6 | 135191.5 | 183122.1 | S |
| 162.050 | 0.0000 | 0.0000 | 82.206 | 0.01865 | 0.00000 | 319537.6 | 135192.1 | 183122.1 | S |
| 162.058 | 0.0000 | 0.0000 | 82.206 | 0.01865 | 0.00000 | 319537.6 | 135192.7 | 183122.1 | S |
| 162.067 | 0.0000 | 0.0000 | 82.206 | 0.01865 | 0.00000 | 319537.6 | 135193.2 | 183122.1 | S |
| 162.075 | 0.0000 | 0.0000 | 82.206 | 0.01865 | 0.00000 | 319537.6 | 135193.8 | 183122.1 | S |
| 162.083 | 0.0000 | 0.0000 | 82.206 | 0.01865 | 0.00000 | 319537.6 | 135194.3 | 183122.1 | S |
| 162.092 | 0.0000 | 0.0000 | 82.206 | 0.01865 | 0.00000 | 319537.6 | 135194.9 | 183122.1 | S |
| 162.100 | 0.0000 | 0.0000 | 82.205 | 0.01864 | 0.00000 | 319537.6 | 135195.5 | 183122.1 | S |
| 162.108 | 0.0000 | 0.0000 | 82.205 | 0.01864 | 0.00000 | 319537.6 | 135196.0 | \$83122.1 | S |
| 162.117 | 0.0000 | 0.0000 | 82.205 | 0.01864 | 0.00000 | 319537.6 | 135196.6 | 183122.1 | S |
| 162.125 | 0.0000 | 0.0000 | 82.205 | 0.01864 | 0.00000 | 319537.6 | 135197.1 | 183122.1 | S |
| 162.133 | 0.0000 | 0.0000 | 82.205 | 0.01864 | 0.00000 | 319537.6 | 135197.7 | 183122.1 | S |
| 162.142 | 0.0000 | 0.0000 | 82.205 | 0.01863 | 0.00000 | 319537.6 | 135798.3 | 183122.1 | S |
| 162.150 | 0.0000 | 0.0000 | 82.205 | 0.01863 | 0.00000 | 319537.6 | 135198.8 | 183122.1 | S |
| 162.158 | 0.0000 | 0.0000 | 82.205 | 0.01863 | 0.00000 | 319537.6 | 135199.4 | 183122.1 | S |
| 162.167 | 0.0000 | 0.0000 | 82.205 | 0.01863 | 0.00000 | 319537.6 | 135199.9 | 183122.1 | S |
| 162.175 | 0.0000 | 0.0000 | 82.205 | 0.01863 | 0.00000 | 319537.6 | 135200.5 | 183122.1 | S |

# PONDS Version 3.2.0207 

Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (IVday) | Stage Elevation (f datum) | Infiltration Rate ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Overfow Discharge ( $\mathrm{tt}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 162.183 | 0.0000 | 0.0000 | 82.205 | 0.01863 | 0.00000 | 319537.6 | 135201.0 | 183122.1 | S |
| 162.192 | 0.0000 | 0.0000 | 82.204 | 0.01862 | 0.00000 | 319537.6 | 135201.6 | 183122.1 | S |
| 162.200 | 0.0000 | 0.0000 | 82.204 | 0.01862 | 0.00000 | 319537.6 | 135202.2 | 183122.1 | S |
| 162.208 | 0.0000 | 0.0000 | 82.204 | 0.01862 | 0.00000 | 319537.6 | 135202.7 | 183122.1 | S |
| 162.217 | 0.0000 | 0.0000 | 82.204 | 0.01862 | 0.00000 | 319537.6 | 135203.3 | 183122.1 | S |
| 162.225 | 0.0000 | 0.0000 | 82.204 | 0.01862 | 0.00000 | 319537.6 | 135203.8 | 183122.1 | S |
| $\ddagger 62.233$ | 0.0000 | 0.0000 | 82.204 | 0.01861 | 0.00000 | 319537.6 | 135204.4 | 183122.1 | S |
| 162.242 | 0.0000 | 0.0000 | 82.204 | 0.01861 | 0.00000 | 319537.6 | 135205.0 | 183122.1 | S |
| 162.250 | 0.0000 | 0.0000 | 82.204 | 0.01861 | 0.00000 | 319537.6 | 135205.5 | 183122.1 | S |
| 162.258 | 0.0000 | 0.0000 | 82.204 | 0.01861 | 0.00000 | 319537.6 | 135206.1 | 183122.1 | S |
| 162.267 | 0.0000 | 0.0000 | 82.204 | 0.01861 | 0.00000 | 319537.6 | 135206.6 | 183122.1 | S |
| 162.275 | 0.0000 | 0.0000 | 82.204 | 0.01861 | 0.00000 | 319537.6 | 135207.2 | 183122.1 | S |
| 162.283 | 0.0000 | 0.0000 | 82.203 | 0.01860 | 0.00000 | 319537.6 | 135207.8 | 183122.1 | S |
| 162.292 | 0.0000 | 0.0000 | 82.203 | 0.01860 | 0.00000 | 319537.6 | 135208.3 | 183122.1 | S |
| 162.300 | 0.0000 | 0.0000 | 82.203 | 0.01860 | 0.00000 | 319537.6 | 135208.9 | 183122.1 | S |
| 162.308 | 0.0000 | 0.0000 | 82.203 | 0.01860 | 0.00000 | 319537.6 | 135209.4 | 183122.1 | S |
| 162.317 | 0.0000 | 0.0000 | 82.203 | 0.01860 | 0.00000 | 319537.6 | 735210.0 | \$83122.1 | S |
| 162.325 | 0.0000 | 0.0000 | 82.203 | 0.01860 | 0.00000 | 319537.6 | 135210.5 | 183122.1 | S |
| 162.333 | 0.0000 | 0.0000 | 82.203 | 0.01859 | 0.00000 | 319537.6 | 135211.1 | 183122.1 | S |
| 162.342 | 0.0000 | 0.0000 | 82.203 | 0.01859 | 0.00000 | 319537.6 | 135211.7 | 183122.1 | S |
| 162.350 | 0.0000 | 0.0000 | 82.203 | 0.01859 | 0.00000 | 319537.6 | 135212.2 | 183122. | S |
| 162.358 | 0.0000 | 0.0000 | 82.203 | 0.01859 | 0.00000 | 319537.6 | 135212.8 | 183122.1 | S |
| 162.367 | 0.0000 | 0.0000 | 82.203 | 0.01859 | 0.00000 | 319537.6 | 135213.3 | 183122.1 | S |
| 162.375 | 0.0000 | 0.0000 | 82.202 | 0.01858 | 0.00000 | 319537.6 | 135213.9 | 183122.1 | S |
| 162.383 | 0.0000 | 0.0000 | 82.202 | 0.01858 | 0.00000 | 319537.6 | 135214.5 | 183122.1 | S |
| 162.392 | 0.0000 | 0.0000 | 82.202 | 0.01858 | 0.00000 | 319537.6 | 135215.0 | 183122.1 | S |
| 162.400 | 0.0000 | 0.0000 | 82.202 | 0.01858 | 0.00000 | 319537.6 | 135215.6 | 183122.1 | S |
| 162.408 | 0.0000 | 0.0000 | 82.202 | 0.01858 | 0.00000 | 319537.6 | 135216.1 | 183122.1 | S |
| 162.417 | 0.0000 | 0.0000 | 82.202 | 0.01858 | 0.00000 | 319537.6 | 135216.7 | 183122.1 | S |
| 162.425 | 0.0000 | 0.0000 | 82.202 | 0.01857 | 0.00000 | 319537.6 | 135217.2 | 183122.1 | S |
| 162.433 | 0.0000 | 0.0000 | 82.202 | 0.01857 | 0.00000 | 319537.6 | 135217.8 | 183122.1 | S |
| 162.442 | 0.0000 | 0.0000 | 82.202 | 0.01857 | 0.00000 | 319537.6 | 135218.3 | 183122.1 | S |
| 162.450 | 0.0000 | 0.0000 | 82.202 | 0.01857 | 0.00000 | 319537.6 | 135218.9 | 183122.1 | S |
| 162.458 | 0.0000 | 0.0000 | 82.202 | 0.01857 | 0.00000 | 319537.6 | 135219.5 | 183122.1 | S |
| 162.467 | 0.0000 | 0.0000 | 82.201 | 0.01856 | 0.00000 | 319537.6 | 135220.0 | 183122.1 | S |
| 162.475 | 0.0000 | 0.0000 | 82.201 | 0.01856 | 0.00000 | 319537.6 | 135220.6 | 183122.1 | S |
| 162.483 | 0.0000 | 0.0000 | 82.201 | 0.01856 | 0.00000 | 319537.6 | 135221.1 | 183122.1 | S |
| 162.492 | 0.0000 | 0.0000 | 82.201 | 0.01856 | 0.00000 | 319537.6 | 135221.7 | 183122.1 | S |
| 162.500 | 0.0000 | 0.0000 | 82.201 | 0.01856 | 0.00000 | 319537.6 | 135222.3 | 183122.1 | S |
| 162.508 | 0.0000 | 0.0000 | 82.201 | 0.01856 | 0.00000 | 319537.6 | 135222.8 | 183122.1 | S |
| 162.517 | 0.0000 | 0.0000 | 82.201 | 0.01855 | 0.00000 | 319537.6 | 135223.4 | 183122.1 | S |
| 162.525 | 0.0000 | 0.0000 | 82.201 | 0.01855 | 0.00000 | 319537.6 | 135223.9 | 183122.1 | S |
| 162.533 | 0.0000 | 0.0000 | 82.201 | 0.01855 | 0.00000 | 319537.6 | 135224.5 | 183122.1 | S |
| 162.542 | 0.0000 | 0.0000 | 82.201 | 0.01855 | 0.00000 | 319537.6 | 135225.0 | 183122.1 | S |
| 162.550 | 0.0000 | 0.0000 | 82.201 | 0.01855 | 0.00000 | 319537.6 | 135225.6 | 183122.1 | S |
| 162.558 | 0.0000 | 0.0000 | 82.200 | 0.01854 | 0.00000 | 319537.6 | 135226.1 | 183122.1 | S |
| 162.567 | 0.0000 | 0.0000 | 82.200 | 0.01854 | 0.00000 | 319537.6 | 135226.7 | 183122.1 | S |
| 162.575 | 0.0000 | 0.0000 | 82.200 | 0.01854 | 0.00000 | 319537.6 | 135227.3 | 183122.1 | S |
| 162.583 | 0.0000 | 0.0000 | 82.200 | 0.01854 | 0.00000 | 319537.6 | 135227.8 | 183122.1 | S |
| 162.592 | 0.0000 | 0.0000 | 82.200 | 0.01854 | 0.00000 | 319537.6 | 135228.4 | 183122.1 | S |
| 162.600 | 0.0000 | 0.0000 | 82.200 | 0.01854 | 0.00000 | 319537.6 | 135228.9 | 183122.1 | S |
| 162.608 | 0.0000 | 0.0000 | 82.200 | 0.01853 | 0.00000 | 319537.6 | 135229.5 | 183122.1 | S |
| \$62.617 | 0.0000 | 0.0000 | 82.200 | 0.01853 | 0.00000 | 319537.6 | 135230.0 | 183122.1 | S |
| 162.625 | 0.0000 | 0.0000 | 82.200 | 0.01853 | 0.00000 | 319537.6 | 135230.6 | 183122.1 | S |
| 162.633 | 0.0000 | 0.0000 | 82.200 | 0.01853 | 0.00000 | 319537.6 | 135231.2 | 183122.1 | S |
| 162.642 | 0.0000 | 0.0000 | 82.200 | 0.01853 | 0.00000 | 319537.6 | 135231.7 | 183122.1 | S |
| 162.650 | 0.0000 | 0.0000 | 82.199 | 0.01852 | 0.00000 | 319537.6 | 135232.3 | 183122.1 | S |
| 162.658 | 0.0000 | 0.0000 | 82.199 | 0.01852 | 0.00000 | 319537.6 | 135232.8 | 183122.1 | S |
| 162.667 | 0.0000 | 0.0000 | 82.199 | 0.01852 | 0.00000 | 319537.6 | 135233.4 | 183122.1 | S |
| 162.675 | 0.0000 | 0.0000 | 82.199 | 0.01852 | 0.00000 | 319537.6 | 135233.9 | 183122.1 | S |
| 162.683 | 0.0000 | 0.0000 | 82.199 | 0.01852 | 0.00000 | 319537.6 | 135234.5 | 183122.1 | S |
| 162.692 | 0.0000 | 0.0000 | 82.199 | 0.01852 | 0.00000 | 319537.6 | 135235.0 | 183122.1 | S |
| 162.700 | 0.0000 | 0.0000 | 82.199 | 0.01851 | 0.00000 | 319537.6 | 135235.6 | 183122.1 | S |
| 162.708 | 0.0000 | 0.0000 | 82.199 | 0.01851 | 0.00000 | 319537.6 | 135236.2 | 183122.1 | S |
| 162.717 | 0.0000 | 0.0000 | 82.199 | 0.01851 | 0.00000 | 319537.6 | 135236.7 | 183122.1 | S |
| 162.725 | 0.0000 | 0.0000 | 82.199 | 0.01851 | 0.00000 | 319537.6 | 135237.3 | 183122.1 | S |
| 162.733 | 0.0000 | 0.0000 | 82.199 | 0.01851 | 0.00000 | 319537.6 | 135237.8 | 183122.1 | S |
| 162.742 | 0.0000 | 0.0000 | 82.198 | 0.01850 | 0.00000 | 319537.6 | 135238.4 | 183122.1 | S |
| 162.750 | 0.0000 | 0.0000 | 82.198 | 0.01850 | 0.00000 | 319537.6 | 135238.9 | 183122.1 | S |
| 162.758 | 0.0000 | 0.0000 | 82.198 | 0.01850 | 0.00000 | 319537.6 | 135239.5 | 183122.1 | S |
| 162.767 | 0.0000 | 0.0000 | 82.198 | 0.01850 | 0.00000 | 319537.6 | 135240.0 | 183122.1 | S |
| 162.775 | 0.0000 | 0.0000 | 82.198 | 0.01850 | 0.00000 | 319537.6 | 135240.6 | 183122.1 | S |
| 162.783 | 0.0000 | 0.0000 | 82.198 | 0.01850 | 0.00000 | 319537.6 | 135241.1 | 183122.1 | S |
| 162.792 | 0.0000 | 0.0000 | 82.198 | 0.01849 | 0.00000 | 319537.6 | 135241.7 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed <br> Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infitration Rate ( $\mathrm{H}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 162.800 | 0.0000 | 0.0000 | 82.198 | 0.01849 | 0.00000 | 319537.6 | 135242.3 | 183122.1 | S |
| 162.808 | 0.0000 | 0.0000 | 82.198 | 0.01849 | 0.00000 | 319537.6 | 135242.8 | 183122.1 | S |
| 162.817 | 0.0000 | 0.0000 | 82.198 | 0.01849 | 0.00000 | 319537.6 | 135243.4 | 183122.1 | S |
| 162.825 | 0.0000 | 0.0000 | 82.198 | 0.01849 | 0.00000 | 319537.6 | 135243.9 | 183122.1 | S |
| 162.833 | 0.0000 | 0.0000 | 82.197 | 0.01849 | 0.00000 | 319537.6 | 135244.5 | 183122.1 | S |
| 162.842 | 0.0000 | 0.0000 | 82.197 | 0.01848 | 0.00000 | 319537.6 | 135245.0 | 183122.1 | S |
| 162.850 | 0.0000 | 0.0000 | 82.197 | 0.01848 | 0.00000 | 319537.6 | 135245.6 | 183122.1 | S |
| 162.858 | 0.0000 | 0.0000 | 82.197 | 0.01848 | 0.00000 | 319537.6 | 135246.1 | 183122.1 | S |
| 162.867 | 0.0000 | 0.0000 | 82.197 | 0.01848 | 0.00000 | 319537.6 | 135246.7 | 183122.1 | S |
| 162.875 | 0.0000 | 0.0000 | 82.197 | 0.01848 | 0.00000 | 319537.6 | 135247.3 | 183122.1 | S |
| 162.883 | 0.0000 | 0.0000 | 82.197 | 0.01847 | 0.00000 | 319537.6 | 135247.8 | 183122.1 | S |
| 162.892 | 0.0000 | 0.0000 | 82.197 | 0.01847 | 0.00000 | 319537.6 | 135248.4 | 183122.1 | S |
| 162.900 | 0.0000 | 0.0000 | 82.197 | 0.01847 | 0.00000 | 319537.6 | 135248.9 | 183122.1 | S |
| 162.908 | 0.0000 | 0.0000 | 82.197 | 0.01847 | 0.00000 | 319537.6 | 135249.5 | 183122.1 | S |
| 162.917 | 0.0000 | 0.0000 | 82.197 | 0.01847 | 0.00000 | 319537.6 | 135250.0 | 183122.1 | S |
| 162.925 | 0.0000 | 0.0000 | 82.196 | 0.01847 | 0.00000 | 319537.6 | 135250.6 | 183122.1 | S |
| 162.933 | 0.0000 | 0.0000 | 82.196 | 0.01846 | 0.00000 | 319537.6 | 135251.1 | 183122.1 | S |
| 162.942 | 0.0000 | 0.0000 | 82.196 | 0.01846 | 0.00000 | 319537.6 | 135251.7 | 183122.1 | S |
| 162.950 | 0.0000 | 0.0000 | 82.196 | 0.01846 | 0.00000 | 319537.6 | 135252.2 | 183122.1 | S |
| 162.958 | 0.0000 | 0.0000 | 82.196 | 0.01846 | 0.00000 | 319537.6 | 135252.8 | 183122.1 | S |
| 162.967 | 0.0000 | 0.0000 | 82.196 | 0.01846 | 0.00000 | 319537.6 | 135253.3 | 183122.1 | S |
| 162.975 | 0.0000 | 0.0000 | 82.196 | 0.01845 | 0.00000 | 319537.6 | 135253.9 | 183122.1 | S |
| 162.983 | 0.0000 | 0.0000 | 82.196 | 0.01845 | 0.00000 | 319537.6 | 135254.5 | 183122.1 | S |
| 162.992 | 0.0000 | 0.0000 | 82.196 | 0.01845 | 0.00000 | 319537.6 | 135255.0 | 183122.1 | S |
| 163.000 | 0.0000 | 0.0000 | 82.196 | 0.01845 | 0.00000 | 319537.6 | 135255.5 | 183122.1 | S |
| 163.008 | 0.0000 | 0.0000 | 82.196 | 0.01845 | 0.00000 | 319537.6 | 135256.1 | 183122.1 | S |
| 163.017 | 0.0000 | 0.0000 | 82.195 | 0.01845 | 0.00000 | 319537.6 | 135256.7 | 183122.1 | S |
| 163.025 | 0.0000 | 0.0000 | 82.195 | 0.01844 | 0.00000 | 319537.6 | 135257.2 | 183122.1 | S |
| 163.033 | 0.0000 | 0.0000 | 82.195 | 0.01844 | 0.00000 | 319537.6 | 135257.8 | 183122.1 | S |
| 163.042 | 0.0000 | 0.0000 | 82.195 | 0.01844 | 0.00000 | 319537.6 | 135258.3 | 183122.1 | S |
| 163.050 | 0.0000 | 0.0000 | 82.195 | 0.01844 | 0.00000 | 319537.6 | 135258.9 | 183122.1 | S |
| 163.058 | 0.0000 | 0.0000 | 82.195 | 0.01844 | 0.00000 | 319537.6 | 135259.4 | 183122.1 | S |
| 163.067 | 0.0000 | 0.0000 | 82.195 | 0.01844 | 0.00000 | 319537.6 | 135260.0 | 183122. | S |
| 163.075 | 0.0000 | 0.0000 | 82.195 | 0.01843 | 0.00000 | 319537.6 | 135260.5 | 183122.1 | S |
| 163.083 | 0.0000 | 0.0000 | 82.195 | 0.01843 | 0.00000 | 319537.6 | 135261.1 | 183122.1 | S |
| 163.092 | 0.0000 | 0.0000 | 82.195 | 0.01843 | 0.00000 | 319537.6 | 135261.6 | 183122.1 | S |
| 163.100 | 0.0000 | 0.0000 | 82.195 | 0.01843 | 0.00000 | 319537.6 | 135262.2 | 183122.1 | S |
| 163.108 | 0.0000 | 0.0000 | 82.194 | 0.01843 | 0.00000 | 319537.6 | 135262.8 | 183122.1 | S |
| 163.117 | 0.0000 | 0.0000 | 82.194 | 0.01842 | 0.00000 | 319537.6 | 135263.3 | 183122.1 | S |
| 163.125 | 0.0000 | 0.0000 | 82.194 | 0.01842 | 0.00000 | 319537.6 | 135263.8 | 183122.1 | S |
| 163.133 | 0.0000 | 0.0000 | 82.194 | 0.01842 | 0.00000 | 319537.6 | 135264.4 | \$83122.1 | S |
| 163.142 | 0.0000 | 0.0000 | 82.194 | 0.01842 | 0.00000 | 319537.6 | 135265.0 | 183122.1 | S |
| 163.150 | 0.0000 | 0.0000 | 82.194 | 0.01842 | 0.00000 | 319537.6 | 135265.5 | 183122.1 | S |
| 163.158 | 0.0000 | 0.0000 | 82.194 | 0.01842 | 0.00000 | 319537.6 | 135266.1 | 183122.1 | S |
| 163.167 | 0.0000 | 0.0000 | 82.194 | 0.01841 | 0.00000 | 319537.6 | 135266.6 | 183122.1 | S |
| 163.175 | 0.0000 | 0.0000 | 82.194 | 0.01841 | 0.00000 | 319537.6 | 135267.2 | 183122.1 | S |
| 163.183 | 0.0000 | 0.0000 | 82.194 | 0.01841 | 0.00000 | 319537.6 | 135267.7 | 183122.1 | S |
| 163.192 | 0.0000 | 0.0000 | 82.194 | 0.01841 | 0.00000 | 319537.6 | 135268.3 | 183122.1 | S |
| 163.200 | 0.0000 | 0.0000 | 82.193 | 0.01841 | 0.00000 | 319537.6 | 135268.8 | 183122.1 | S |
| 163.208 | 0.0000 | 0.0000 | 82.193 | 0.01840 | 0.00000 | 319537.6 | 135269.4 | 183122.1 | S |
| 163.217 | 0.0000 | 0.0000 | 82.193 | 0.01840 | 0.00000 | 319537.6 | 135269.9 | 183122.1 | S |
| 163.225 | 0.0000 | 0.0000 | 82.193 | 0.01840 | 0.00000 | 319537.6 | 135270.5 | 183122.1 | S |
| 163.233 | 0.0000 | 0.0000 | 82.193 | 0.01840 | 0.00000 | 319537.6 | 135271.0 | 183122.1 | S |
| 163.242 | 0.0000 | 0.0000 | 82.193 | 0.01840 | 0.00000 | 319537.6 | 135271.6 | 183122.1 | S |
| 163.250 | 0.0000 | 0.0000 | 82.193 | 0.01840 | 0.00000 | 319537.6 | 135272.1 | 183122.1 | S |
| 163.258 | 0.0000 | 0.0000 | 82.193 | 0.01839 | 0.00000 | 319537.6 | 135272.7 | 183122.1 | S |
| 163.267 | 0.0000 | 0.0000 | 82.193 | 0.01839 | 0.00000 | 319537.6 | 135273.2 | 183122.1 | S |
| 163.275 | 0.0000 | 0.0000 | 82.193 | 0.01839 | 0.00000 | 319537.6 | 135273.8 | 183122.1 | S |
| 163.283 | 0.0000 | 0.0000 | 82.193 | 0.01839 | 0.00000 | 319537.6 | 135274.3 | 183122.1 | S |
| 163.292 | 0.0000 | 0.0000 | 82.192 | 0.01839 | 0.00000 | 319537.6 | 135274.9 | 183122.1 | S |
| 163.300 | 0.0000 | 0.0000 | 82.192 | 0.01839 | 0.00000 | 319537.6 | 135275.4 | 183122.1 | S |
| 163.308 | 0.0000 | 0.0000 | 82.192 | 0.01838 | 0.00000 | 319537.6 | 135276.0 | 183122.1 | S |
| 163.317 | 0.0000 | 0.0000 | 82.192 | 0.01838 | 0.00000 | 319537.6 | 135276.5 | 183122.1 | S |
| 163.325 | 0.0000 | 0.0000 | 82.192 | 0.01838 | 0.00000 | 319537.6 | 135277.1 | 183122.1 | S |
| 163.333 | 0.0000 | 0.0000 | 82.192 | 0.01838 | 0.00000 | 319537.6 | 135277.7 | 183122.1 | S |
| 163.342 | 0.0000 | 0.0000 | 82.192 | 0.01838 | 0.00000 | 319537.6 | 135278.2 | 183122.1 | S |
| 163.350 | 0.0000 | 0.0000 | 82.192 | 0.01837 | 0.00000 | 319537.6 | 135278.8 | 183122.1 | S |
| 163.358 | 0.0000 | 0.0000 | 82.192 | 0.01837 | 0.00000 | 319537.6 | 135279.3 | 183122.1 | S |
| 163.367 | 0.0000 | 0.0000 | 82.192 | 0.01837 | 0.00000 | 319537.6 | 135279.9 | 183122.1 | S |
| 163.375 | 0.0000 | 0.0000 | 82.192 | 0.01837 | 0.00000 | 319537.6 | 135280.4 | 183122.1 | S |
| 163.383 | 0.0000 | 0.0000 | 82.191 | 0.01837 | 0.00000 | 319537.6 | 135281.0 | 183122.1 | S |
| 163.392 | 0.0000 | 0.0000 | 82.191 | 0.01837 | 0.00000 | 319537.6 | 135281.5 | 183122.1 | S |
| 163.400 | 0.0000 | 0.0000 | 82.191 | 0.01836 | 0.00000 | 319537.6 | 135282.1 | 183122.1 | S |
| 163.408 | 0.0000 | 0.0000 | 82.191 | 0.01836 | 0.00000 | 319537.6 | 135282.6 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f} / \mathrm{s} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative infilitration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{fl}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 163.417 | 0.0000 | 0.0000 | 82.191 | 0.01836 | 0.00000 | 319537.6 | 135283.2 | 183122.1 | S |
| 163.425 | 0.0000 | 0.0000 | 82.791 | 0.01836 | 0.00000 | 319537.6 | 135283.7 | 183122.1 | S |
| 163.433 | 0.0000 | 0.0000 | 82.191 | 0.01836 | 0.00000 | 319537.6 | 135284.3 | 183122.1 | S |
| 163.442 | 0.0000 | 0.0000 | 82.191 | 0.01836 | 0.00000 | 319537.6 | 135284.8 | 183122.1 | S |
| 163.450 | 0.0000 | 0.0000 | 82.191 | 0.01835 | 0.00000 | 319537.6 | 135285.4 | 183122.1 | S |
| 163.458 | 0.0000 | 0.0000 | 82.191 | 0.01835 | 0.00000 | 319537.6 | 135285.9 | 183122.1 | S |
| 163.467 | 0.0000 | 0.0000 | 82.191 | 0.01835 | 0.00000 | 319537.6 | 135286.5 | 183122.1 | S |
| 163.475 | 0.0000 | 0.0000 | 82.190 | 0.01835 | 0.00000 | 319537.6 | 135287.0 | 183122.1 | S |
| 163.483 | 0.0000 | 0.0000 | 82.190 | 0.01835 | 0.00000 | 319537.6 | 135287.6 | 183122.1 | S |
| 163.492 | 0.0000 | 0.0000 | 82.190 | 0.01834 | 0.00000 | 319537.6 | 135288.1 | 183122.1 | S |
| 163.500 | 0.0000 | 0.0000 | 82.190 | 0.01834 | 0.00000 | 319537.6 | 135288.7 | 183122.1 | S |
| 163.508 | 0.0000 | 0.0000 | 82.190 | 0.01834 | 0.00000 | 319537.6 | 135289.2 | 183122.1 | S |
| 163.517 | 0.0000 | 0.0000 | 82.190 | 0.01834 | 0.00000 | 319537.6 | 135289.8 | 183122.1 | S |
| 163.525 | 0.0000 | 0.0000 | 82.190 | 0.01834 | 0.00000 | 319537.6 | 135290.3 | 183122.1 | S |
| 163.533 | 0.0000 | 0.0000 | 82.190 | 0.01834 | 0.00000 | 319537.6 | 135290.9 | 183122.1 | S |
| 163.542 | 0.0000 | 0.0000 | 82.190 | 0.01833 | 0.00000 | 319537.6 | 135291.4 | 183122.1 | S |
| 163.550 | 0.0000 | 0.0000 | 82.190 | 0.01833 | 0.00000 | 319537.6 | 135292.0 | 183122.1 | S |
| 163.558 | 0.0000 | 0.0000 | 82.190 | 0.01833 | 0.00000 | 319537.6 | 135292.5 | 183122.1 | S |
| 163.567 | 0.0000 | 0.0000 | 82.189 | 0.01833 | 0.00000 | 319537.6 | 135293.1 | 183122.1 | S |
| 163.575 | 0.0000 | 0.0000 | 82.189 | 0.01833 | 0.00000 | 319537.6 | 135293.6 | 183122.1 | S |
| 163.583 | 0.0000 | 0.0000 | 82.189 | 0.01833 | 0.00000 | 319537.6 | 135294.2 | 183122.1 | S |
| 163.592 | 0.0000 | 0.0000 | 82.189 | 0.01832 | 0.00000 | 319537.6 | 135294.7 | 183122.1 | S |
| 163.600 | 0.0000 | 0.0000 | 82.189 | 0.01832 | 0.00000 | 319537.6 | 135295.3 | 183122.1 | S |
| 163.608 | 0.0000 | 0.0000 | 82.189 | 0.01832 | 0.00000 | 319537.6 | $\uparrow 35295.8$ | 183122.1 | S |
| 163.617 | 0.0000 | 0.0000 | 82.189 | 0.01832 | 0.00000 | 319537.6 | 135296.4 | 183122.1 | S |
| 163.625 | 0.0000 | 0.0000 | 82.189 | 0.01832 | 0.00000 | 319537.6 | 135296.9 | 183122.1 | S |
| 163.633 | 0.0000 | 0.0000 | 82.189 | 0.01831 | 0.00000 | 319537.6 | 135297.5 | 183122.1 | S |
| 163.642 | 0.0000 | 0.0000 | 82.189 | 0.01831 | 0.00000 | 319537.6 | 135298.0 | 183122.1 | S |
| 163.650 | 0.0000 | 0.0000 | 82.189 | 0.01831 | 0.00000 | 319537.6 | 135298.6 | 183122.1 | 5 |
| 163.658 | 0.0000 | 0.0000 | 82.188 | 0.01831 | 0.00000 | 319537.6 | 135299.1 | 183122.1 | S |
| 163.667 | 0.0000 | 0.0000 | 82.188 | 0.01831 | 0.00000 | 319537.6 | 135299.7 | 183122.1 | 5 |
| 163.675 | 0.0000 | 0.0000 | 82.188 | 0.01831 | 0.00000 | 319537.6 | 135300.2 | 183122.1 | S |
| 163.683 | 0.0000 | 0.0000 | 82.188 | 0.01830 | 0.00000 | 319537.6 | 135300.8 | 183122.1 | S |
| 163.692 | 0.0000 | 0.0000 | 82.188 | 0.01830 | 0.00000 | 319537.6 | 135301.3 | 183122.1 | S |
| 163.700 | 0.0000 | 0.0000 | 82.188 | 0.01830 | 0.00000 | 319537.6 | 135301.9 | 183122.1 | S |
| 163.708 | 0.0000 | 0.0000 | 82.188 | 0.01830 | 0.00000 | 319537.6 | 135302.4 | 183122.1 | S |
| 163.717 | 0.0000 | 0.0000 | 82.188 | 0.01830 | 0.00000 | 319537.6 | 135303.0 | 183122.1 | S |
| 163.725 | 0.0000 | 0.0000 | 82.188 | 0.01829 | 0.00000 | 319537.6 | 135303.5 | $\ddagger 83122.1$ | S |
| 163.733 | 0.0000 | 0.0000 | 82.188 | 0.01829 | 0.00000 | 319537.6 | 135304.0 | 183122.1 | S |
| 163.742 | 0.0000 | 0.0000 | 82.188 | 0.01829 | 0.00000 | 319537.6 | 135304.6 | 183122.1 | S |
| 163.750 | 0.0000 | 0.0000 | 82.187 | 0.01829 | 0.00000 | 319537.6 | 135305.2 | 183122.1 | S |
| 163.758 | 0.0000 | 0.0000 | 82.187 | 0.01829 | 0.00000 | 319537.6 | \$35305.7 | 183122.1 | S |
| 163.767 | 0.0000 | 0.0000 | 82.187 | 0.04829 | 0.00000 | 319537.6 | 135306.3 | 183122.1 | S |
| 163.775 | 0.0000 | 0.0000 | 82.187 | 0.01828 | 0.00000 | 319537.6 | 135306.8 | $\ddagger 83122.1$ | S |
| 163.783 | 0.0000 | 0.0000 | 82.187 | 0.01828 | 0.00000 | 319537.6 | 135307.3 | 183122.1 | S |
| 163.792 | 0.0000 | 0.0000 | 82.187 | 0.01828 | 0.00000 | 319537.6 | 135307.9 | 183122.1 | S |
| 163.800 | 0.0000 | 0.0000 | 82.187 | 0.01828 | 0.00000 | 319537.6 | 135308.4 | 183122.1 | S |
| 163.808 | 0.0000 | 0.0000 | 82.187 | 0.01828 | 0.00000 | 319537.6 | \$35309.0 | 183122.1 | S |
| 163.817 | 0.0000 | 0.0000 | 82.187 | 0.01828 | 0.00000 | 319537.6 | 135309.5 | 183122.1 | S |
| 163.825 | 0.0000 | 0.0000 | 82.187 | 0.01827 | 0.00000 | 319537.6 | 135310.1 | 183122.1 | S |
| 163.833 | 0.0000 | 0.0000 | 82.187 | 0.01827 | 0.00000 | 319537.6 | 135310.6 | 183122.1 | S |
| 163.842 | 0.0000 | 0.0000 | 82.186 | 0.01827 | 0.00000 | 319537.6 | 135311.2 | 183122.1 | S |
| 163.850 | 0.0000 | 0.0000 | 82.186 | 0.01827 | 0.00000 | 319537.6 | 135311.7 | 183122.1 | S |
| 163.858 | 0.0000 | 0.0000 | 82.186 | 0.01827 | 0.00000 | 319537.6 | 135312.3 | 183122.1 | S |
| 163.867 | 0.0000 | 0.0000 | 82.186 | 0.01827 | 0.00000 | 319537.6 | 135312.8 | 183122.1 | S |
| 163.875 | 0.0000 | 0.0000 | 82.186 | 0.01826 | 0.00000 | 319537.6 | 135313.4 | 183122.1 | S |
| 163.883 | 0.0000 | 0.0000 | 82.186 | 0.01826 | 0.00000 | 319537.6 | 135313.9 | 183122.1 | S |
| 163.892 | 0.0000 | 0.0000 | 82.186 | 0.01826 | 0.00000 | 319537.6 | 135314.5 | 183122.1 | S |
| 163.900 | 0.0000 | 0.0000 | 82.186 | 0.01826 | 0.00000 | 319537.6 | 135315.0 | 183122.1 | S |
| 163.908 | 0.0000 | 0.0000 | 82.186 | 0.01826 | 0.00000 | 319537.6 | 135315.6 | 183122.1 | S |
| 163.917 | 0.0000 | 0.0000 | 82.186 | 0.01825 | 0.00000 | 319537.6 | 135316.1 | 183122.1 | S |
| 163.925 | 0.0000 | 0.0000 | 82.186 | 0.01825 | 0.00000 | 319537.6 | 135316.7 | 183122.1 | S |
| 163.933 | 0.0000 | 0.0000 | 82.186 | 0.01825 | 0.00000 | 319537.6 | 135317.2 | 183122.1 | S |
| 163.942 | 0.0000 | 0.0000 | 82.185 | 0.01825 | 0.00000 | 319537.6 | 135317.8 | 183122.1 | S |
| 163.950 | 0.0000 | 0.0000 | 82.185 | 0.01825 | 0.00000 | 319537.6 | 135318.3 | 183122.1 | S |
| 163.958 | 0.0000 | 0.0000 | 82.185 | 0.01825 | 0.00000 | 319537.6 | 135318.9 | \$83122.1 | S |
| 163.967 | 0.0000 | 0.0000 | 82.185 | 0.01824 | 0.00000 | 319537.6 | 135319.4 | 183122.1 | S |
| 163.975 | 0.0000 | 0.0000 | 82.185 | 0.01824 | 0.00000 | 319537.6 | 135320.0 | 183122.1 | S |
| 163.983 | 0.0000 | 0.0000 | 82.185 | 0.01824 | 0.00000 | 319537.6 | 135320.5 | 183122.1 | S |
| 163.992 | 0.0000 | 0.0000 | 82.185 | 0.01824 | 0.00000 | 319537.6 | 135321.0 | 183122.1 | S |
| 164.000 | 0.0000 | 0.0000 | 82.185 | 0.01824 | 0.00000 | 319537.6 | 135321.6 | 183122.1 | S |
| 164.008 | 0.0000 | 0.0000 | 82.185 | 0.01824 | 0.00000 | 319537.6 | 135322.1 | 183122.1 | S |
| 164.017 | 0.0000 | 0.0000 | 82.185 | 0.01823 | 0.00000 | 319537.6 | 135322.7 | 183122.1 | S |
| 164.025 | 0.0000 | 0.0000 | 82.185 | 0.01823 | 0.00000 | 319537.6 | 135323.2 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | knflow Rate ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Outside Recharge (fl/day) | Stage Elevation (ft datum) | Infiltration Rate (f $\mathrm{f}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 164.033 | 0.0000 | 0.0000 | 82.184 | 0.01823 | 0.00000 | 319537.6 | 135323.8 | 183122.1 | S |
| 164.042 | 0.0000 | 0.0000 | 82.184 | 0.01823 | 0.00000 | 319537.6 | 135324.3 | 183122.1 | S |
| 164.050 | 0.0000 | 0.0000 | 82.184 | 0.01823 | 0.00000 | 319537.6 | 135324.9 | 183122.1 | S |
| 164.058 | 0.0000 | 0.0000 | 82.184 | 0.01822 | 0.00000 | 319537.6 | 135325.4 | 183122.1 | S |
| 164.067 | 0.0000 | 0.0000 | 82.184 | 0.01822 | 0.00000 | 319537.6 | 135326.0 | 183122.1 | S |
| 164.075 | 0.0000 | 0.0000 | 82.184 | 0.01822 | 0.00000 | 319537.6 | 135326.5 | 183122.1 | S |
| 164.083 | 0.0000 | 0.0000 | 82.184 | 0.01822 | 0.00000 | 319537.6 | 135327.1 | 183122.1 | S |
| 164.092 | 0.0000 | 0.0000 | 82.184 | 0.01822 | 0.00000 | 319537.6 | 135327.6 | 183122.1 | S |
| 164.100 | 0.0000 | 0.0000 | 82.184 | 0.01822 | 0.00000 | 319537.6 | 135328.2 | 183122.1 | S |
| 164.108 | 0.0000 | 0.0000 | 82.184 | 0.01821 | 0.00000 | 319537.6 | 135328.7 | 183122.1 | S |
| 164.117 | 0.0000 | 0.0000 | 82.184 | 0.01821 | 0.00000 | 319537.6 | 135329.3 | 183122.1 | S |
| 164.125 | 0.0000 | 0.0000 | 82.183 | 0.01821 | 0.00000 | 319537.6 | 135329.8 | 183122.1 | S |
| 164.133 | 0.0000 | 0.0000 | 82.183 | 0.01821 | 0.00000 | 319537.6 | 135330.3 | 183122.1 | S |
| 164.142 | 0.0000 | 0.0000 | 82.183 | 0.01821 | 0.00000 | 319537.6 | 135330.9 | 183122.1 | S |
| 164.150 | 0.0000 | 0.0000 | 82.183 | 0.01821 | 0.00000 | 319537.6 | 135331.4 | 183122.1 | S |
| 164.158 | 0.0000 | 0.0000 | 82.183 | 0.01820 | 0.00000 | 319537.6 | 135332.0 | 183122.1 | S |
| 164.167 | 0.0000 | 0.0000 | 82.183 | 0.01820 | 0.00000 | 319537.6 | 135332.5 | 183122.1 | S |
| 164.175 | 0.0000 | 0.0000 | 82.183 | 0.01820 | 0.00000 | 319537.6 | 135333.1 | 183122.1 | S |
| 164.183 | 0.0000 | 0.0000 | 82.183 | 0.01820 | 0.00000 | 319537.6 | 135333.6 | 183122.1 | S |
| 164.192 | 0.0000 | 0.0000 | 82.183 | 0.01820 | 0.00000 | 319537.6 | 135334.2 | 183122.1 | S |
| 164.200 | 0.0000 | 0.0000 | 82.183 | 0.01819 | 0.00000 | 319537.6 | 135334.7 | 183ヶ22.1 | S |
| 164.208 | 0.0000 | 0.0000 | 82.183 | 0.01819 | 0.00000 | 319537.6 | 135335.3 | 183122.1 | S |
| 164.217 | 0.0000 | 0.0000 | 82.182 | 0.01819 | 0.00000 | 319537.6 | 135335.8 | 183122.1 | S |
| 164.225 | 0.0000 | 0.0000 | 82.182 | 0.01819 | 0.00000 | 319537.6 | 135336.3 | 183122.1 | S |
| 164.233 | 0.0000 | 0.0000 | 82.182 | 0.01819 | 0.00000 | 319537.6 | 135336.9 | 183122.1 | S |
| 164.242 | 0.0000 | 0.0000 | 82.182 | 0.01819 | 0.00000 | 319537.6 | 135337.4 | 183122.1 | S |
| 164.250 | 0.0000 | 0.0000 | 82.182 | 0.01818 | 0.00000 | 319537.6 | 135338.0 | 183122.1 | S |
| 164.258 | 0.0000 | 0.0000 | 82.182 | 0.01818 | 0.00000 | 319537.6 | 135338.5 | 183122.1 | S |
| 164.267 | 0.0000 | 0.0000 | 82.182 | 0.01818 | 0.00000 | 319537.6 | 135339.1 | 183122.1 | S |
| 164.275 | 0.0000 | 0.0000 | 82.182 | 0.01818 | 0.00000 | 319537.6 | 135339.6 | 183122.1 | S |
| 164.283 | 0.0000 | 0.0000 | 82.182 | 0.01818 | 0.00000 | 319537.6 | 135340.2 | 183122.4 | S |
| 164.292 | 0.0000 | 0.0000 | 82.182 | 0.01818 | 0.00000 | 319537.6 | 135340.7 | 183122.1 | S |
| 164.300 | 0.0000 | 0.0000 | 82.182 | 0.01817 | 0.00000 | 319537.6 | 135341.3 | 183122.1 | S |
| 164.308 | 0.0000 | 0.0000 | 82.181 | 0.01817 | 0.00000 | 319537.6 | 135341.8 | 183122.1 | S |
| 164.317 | 0.0000 | 0.0000 | 82.181 | 0.01817 | 0.00000 | 319537.6 | 135342.3 | 183122.1 | S |
| 164.325 | 0.0000 | 0.0000 | 82.181 | 0.01817 | 0.00000 | 319537.6 | 135342.9 | 183122.1 | S |
| 164.333 | 0.0000 | 0.0000 | 82.181 | 0.01817 | 0.00000 | 319537.6 | 135343.4 | 183122.1 | S |
| 164.342 | 0.0000 | 0.0000 | 82.181 | 0.01817 | 0.00000 | 319537.6 | 135344.0 | 183122.1 | S |
| 164.350 | 0.0000 | 0.0000 | 82.181 | 0.01816 | 0.00000 | 319537.6 | 135344.5 | 183122.1 | S |
| 164.358 | 0.0000 | 0.0000 | 82.181 | 0.01816 | 0.00000 | 319537.6 | 135345.1 | \$83122.1 | S |
| 164.367 | 0.0000 | 0.0000 | 82.181 | 0.01816 | 0.00000 | 319537.6 | 135345.6 | 183122.1 | S |
| 164.375 | 0.0000 | 0.0000 | 82.181 | 0.01816 | 0.00000 | 319537.6 | 135346.2 | 183122.1 | S |
| 164.383 | 0.0000 | 0.0000 | 82.181 | 0.01816 | 0.00000 | 319537.6 | 135346.7 | 183122.1 | S |
| 164.392 | 0.0000 | 0.0000 | 82.181 | 0.01815 | 0.00000 | 319537.6 | 135347.3 | 183122.1 | S |
| 164.400 | 0.0000 | 0.0000 | 82.180 | 0.01815 | 0.00000 | 319537.6 | 735347.8 | 183122.1 | S |
| 164.408 | 0.0000 | 0.0000 | 82.180 | 0.01815 | 0.00000 | 319537.6 | 135348.3 | 183122.1 | S |
| 164.417 | 0.0000 | 0.0000 | 82.180 | 0.01815 | 0.00000 | 319537.6 | 135348.9 | 183122.1 | S |
| 164.425 | 0.0000 | 0.0000 | 82.180 | 0.01815 | 0.00000 | 319537.6 | 135349.4 | 183122.1 | S |
| 164.433 | 0.0000 | 0.0000 | 82.180 | 0.01815 | 0.00000 | 319537.6 | 135350.0 | 183122.1 | S |
| 164.442 | 0.0000 | 0.0000 | 82.180 | 0.01814 | 0.00000 | 319537.6 | 135350.5 | 183122.1 | S |
| 164.450 | 0.0000 | 0.0000 | 82.180 | 0.01814 | 0.00000 | 319537.6 | 135351.1 | 183122.1 | S |
| 164.458 | 0.0000 | 0.0000 | 82.180 | 0.01814 | 0.00000 | 319537.6 | 135351.6 | 183122.1 | S |
| 164.467 | 0.0000 | 0.0000 | 82.180 | 0.07814 | 0.00000 | 319537.6 | 135352.1 | 183122.1 | S |
| 164.475 | 0.0000 | 0.0000 | 82.180 | 0.01814 | 0.00000 | 319537.6 | 135352.7 | 183122.1 | S |
| 164.483 | 0.0000 | 0.0000 | 82.180 | 0.01814 | 0.00000 | 319537.6 | 135353.2 | 183122.1 | S |
| 164.492 | 0.0000 | 0.0000 | 82.179 | 0.01813 | 0.00000 | 319537.6 | 135353.8 | 183122.1 | S |
| 164.500 | 0.0000 | 0.0000 | 82.179 | 0.01813 | 0.00000 | 319537.6 | 135354.3 | 183122.1 | S |
| 164.508 | 0.0000 | 0.0000 | 82.179 | 0.01813 | 0.00000 | 319537.6 | 135354.9 | 183122.1 | S |
| 164.517 | 0.0000 | 0.0000 | 82.179 | 0.01813 | 0,00000 | 319537.6 | 135355.4 | 183122.1 | S |
| 164.525 | 0.0000 | 0.0000 | 82.179 | 0.01813 | 0.00000 | 319537.6 | 135356.0 | 183122.1 | S |
| 164.533 | 0.0000 | 0.0000 | 82.179 | 0.01812 | 0.00000 | 319537.6 | 135356.5 | 183122.1 | S |
| 164.542 | 0.0000 | 0.0000 | 82.179 | 0.01812 | 0.00000 | 319537.6 | 135357.0 | 183122.1 | S |
| 164.550 | 0.0000 | 0.0000 | 82.179 | 0.01812 | 0.00000 | 319537.6 | 135357.6 | 183122.1 | S |
| 164.558 | 0.0000 | 0.0000 | 82.179 | 0.01812 | 0.00000 | 319537.6 | 135358.7 | 183122.1 | S |
| 164.567 | 0.0000 | 0.0000 | 82.179 | 0.01812 | 0.00000 | 319537.6 | 135358.7 | 183122.1 | S |
| 164.575 | 0.0000 | 0.0000 | 82.179 | 0.01812 | 0.00000 | 319537.6 | 135359.2 | 183122.1 | S |
| 164.583 | 0.0000 | 0.0000 | 82.179 | 0.01817 | 0.00000 | 319537.6 | 135359.8 | 183122.1 | S |
| 164.592 | 0.0000 | 0.0000 | 82.178 | 0.01811 | 0.00000 | 319537.6 | 135360.3 | 183122.1 | S |
| 164.600 | 0.0000 | 0.0000 | 82.178 | 0.01811 | 0.00000 | 319537.6 | $\$ 35360.8$ | 183122.1 | S |
| 164.608 | 0.0000 | 0.0000 | 82.178 | 0.01811 | 0.00000 | 319537.6 | 135361.4 | 183122.1 | S |
| 164.617 | 0.0000 | 0.0000 | 82.178 | 0.01811 | 0.00000 | 319537.6 | 135361.9 | 183122.1 | S |
| 164.625 | 0.0000 | 0.0000 | 82.178 | 0.01811 | 0.00000 | 319537.6 | 135362.5 | 183122.1 | S |
| 164.633 | 0.0000 | 0.0000 | 82.178 | 0.01810 | 0.00000 | 319537.6 | 135363.0 | 183122.1 | S |
| 164.642 | 0.0000 | 0.0000 | 82.178 | 0.01810 | 0.00000 | 319537.6 | 135363.6 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{fl}^{3 / \mathrm{s}}$ ) | Outside Recharge (fUday) | Stage Elevation (ft datum) | Infiltration Rate (ft³/s) | Overtlow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume $\left(\mathrm{ft}^{3}\right)$ | Cumulative Infiltration Volume $\left(\mathrm{f}^{3}\right)$ | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 164.650 | 0.0000 | 0.0000 | 82.178 | 0.01810 | 0.00000 | 319537.6 | 135364.1 | 183122.1 | S |
| 164.658 | 0.0000 | 0.0000 | 82.178 | 0.01810 | 0.00000 | 319537.6 | 135364.6 | 183122.1 | S |
| 164.667 | 0.0000 | 0.0000 | 82.178 | 0.01810 | 0.00000 | 319537.6 | 135365.2 | 183122.1 | S |
| 164.675 | 0.0000 | 0.0000 | 82.178 | 0.01810 | 0.00000 | 319537.6 | 135365.7 | 183122.1 | S |
| 164.683 | 0.0000 | 0.0000 | 82.177 | 0.01809 | 0.00000 | 319537.6 | 135366.3 | 183122.1 | S |
| 164.692 | 0.0000 | 0.0000 | 82.177 | 0.01809 | 0.00000 | 319537.6 | 135366.8 | 183122.1 | S |
| 164.700 | 0.0000 | 0.0000 | 82.177 | 0.01809 | 0.00000 | 319537.6 | 135367.4 | 183122.1 | S |
| 164.708 | 0.0000 | 0.0000 | 82.177 | 0.01809 | 0.00000 | 319537.6 | 135367.9 | 183122.1 | S |
| 164.717 | 0.0000 | 0.0000 | 82.177 | 0.01809 | 0.00000 | 319537.6 | 135368.4 | 183122.1 | S |
| 164.725 | 0.0000 | 0.0000 | 82.177 | 0.01808 | 0.00000 | 319537.6 | 135369.0 | 183122.1 | S |
| 164.733 | 0.0000 | 0.0000 | 82.177 | 0.01808 | 0.00000 | 319537.6 | 135369.5 | 183122.1 | S |
| 164.742 | 0.0000 | 0.0000 | 82.177 | 0.01808 | 0.00000 | 319537.6 | 135370.1 | 183122.1 | S |
| 164.750 | 0.0000 | 0.0000 | 82.177 | 0.01808 | 0.00000 | 319537.6 | 135370.6 | 183122.1 | S |
| 164.758 | 0.0000 | 0.0000 | 82.177 | 0.01808 | 0.00000 | 319537.6 | 135371.2 | 183122.1 | S |
| 164.767 | 0.0000 | 0.0000 | 82.177 | 0.01808 | 0.00000 | 319537.6 | 135371.7 | 183122.1 | S |
| 164.775 | 0.0000 | 0.0000 | 82.176 | 0.01807 | 0.00000 | 319537.6 | 135372.2 | 183122.1 | S |
| 164.783 | 0.0000 | 0.0000 | 82.176 | 0.01807 | 0.00000 | 319537.6 | 135372.8 | 183122.1 | S |
| 164.792 | 0.0000 | 0.0000 | 82.176 | 0.01807 | 0.00000 | 319537.6 | 135373.3 | 183122.1 | S |
| 164.800 | 0.0000 | 0.0000 | 82.176 | 0.01807 | 0.00000 | 319537.6 | 135373.9 | 183122.1 | S |
| 164.808 | 0.0000 | 0.0000 | 82.176 | 0.01807 | 0.00000 | 319537.6 | 135374.4 | 183122.1 | S |
| 164.817 | 0.0000 | 0.0000 | 82.176 | 0.01807 | 0.00000 | 319537.6 | 135375.0 | 183122.1 | S |
| 164.825 | 0.0000 | 0.0000 | 82.176 | 0.01806 | 0.00000 | 319537.6 | 135375.5 | 183122.1 | S |
| 164.833 | 0.0000 | 0.0000 | 82.176 | 0.01806 | 0.00000 | 319537.6 | 135376.0 | 183122.1 | S |
| 164.842 | 0.0000 | 0.0000 | 82.176 | 0.01806 | 0.00000 | 319537.6 | 135376.6 | 183122.1 | S |
| 164.850 | 0.0000 | 0.0000 | 82.176 | 0.01806 | 0.00000 | 319537.6 | 135377.1 | 183122.1 | S |
| 164.858 | 0.0000 | 0.0000 | 82.176 | 0.01806 | 0.00000 | 319537.6 | 135377.7 | 183122.1 | S |
| 164.867 | 0.0000 | 0.0000 | 82.175 | 0.01806 | 0.00000 | 319537.6 | 135378.2 | 183122.1 | S |
| 164.875 | 0.0000 | 0.0000 | 82.775 | 0.01805 | 0.00000 | 319537.6 | 135378.8 | 183122.1 | S |
| 164.883 | 0.0000 | 0.0000 | 82.175 | 0.01805 | 0.00000 | 319537.6 | 135379.3 | 183122.1 | S |
| 164.892 | 0.0000 | 0.0000 | 82.175 | 0.01805 | 0.00000 | 319537.6 | 135379.8 | 183122.1 | S |
| 164.900 | 0.0000 | 0.0000 | 82.175 | 0.01805 | 0.00000 | 319537.6 | 135380.4 | 183122.1 | S |
| 164.908 | 0.0000 | 0.0000 | 82.175 | 0.01805 | 0.00000 | 319537.6 | 135380.9 | 183122.1 | S |
| 164.917 | 0.0000 | 0.0000 | 82.175 | 0.01805 | 0.00000 | 319537.6 | 135381.5 | 183122.1 | S |
| 164.925 | 0.0000 | 0.0000 | 82.175 | 0.01804 | 0.00000 | 319537.6 | 135382.0 | 183122.1 | S |
| 164.933 | 0.0000 | 0.0000 | 82.175 | 0.01804 | 0.00000 | 319537.6 | 135382.5 | 183122.1 | S |
| 164.942 | 0.0000 | 0.0000 | 82.175 | 0.01804 | 0.00000 | 319537.6 | 135383.1 | 183122.1 | S |
| 164.950 | 0.0000 | 0.0000 | 82.175 | 0.01804 | 0.00000 | 319537.6 | 135383.6 | 183122.1 | S |
| 164.958 | 0.0000 | 0.0000 | 82.174 | 0.01804 | 0.00000 | 319537.6 | 135384.2 | 183122.1 | S |
| 164.967 | 0.0000 | 0.0000 | 82.174 | 0.01803 | 0.00000 | 319537.6 | 135384.7 | 183122.1 | S |
| 164.975 | 0.0000 | 0.0000 | 82.174 | 0.01803 | 0.00000 | 319537.6 | 135385.2 | 183122.1 | S |
| 164.983 | 0.0000 | 0.0000 | 82.174 | 0.01803 | 0.00000 | 319537.6 | 135385.8 | 183122.1 | S |
| 164.992 | 0.0000 | 0.0000 | 82.174 | 0.01803 | 0.00000 | 319537.6 | 135386.3 | 183122.1 | S |
| 165.000 | 0.0000 | 0.0000 | 82.174 | 0.01803 | 0.00000 | 319537.6 | 135386.9 | 183122.1 | S |
| 165.008 | 0.0000 | 0.0000 | 82.174 | 0.01803 | 0.00000 | 319537.6 | 135387.4 | 183122.1 | S |
| 165.017 | 0.0000 | 0.0000 | 82.174 | 0.01802 | 0.00000 | 319537.6 | 135387.9 | 183122.1 | S |
| 165.025 | 0.0000 | 0.0000 | 82.174 | 0.01802 | 0.00000 | 319537.6 | 135388.5 | 183122.1 | S |
| 165.033 | 0.0000 | 0,0000 | 82.174 | 0.01802 | 0.00000 | 319537.6 | 135389.0 | 183122.1 | S |
| 165.042 | 0.0000 | 0.0000 | 82.174 | 0.01802 | 0.00000 | 319537.6 | 135389.6 | 183122.1 | S |
| 165.050 | 0.0000 | 0.0000 | 82.173 | 0.01802 | 0.00000 | 319537.6 | 135390.1 | 183122.1 | S |
| 165.058 | 0.0000 | 0.0000 | 82. 173 | 0.01802 | 0.00000 | 319537.6 | 135390.6 | 183122.1 | S |
| 165.067 | 0.0000 | 0.0000 | 82.173 | 0.01801 | 0.00000 | 319537.6 | 135391.2 | 183122.1 | S |
| 165.075 | 0.0000 | 0.0000 | 82.173 | 0.01801 | 0.00000 | 319537.6 | 135391.7 | 183122.1 | S |
| 165.083 | 0.0000 | 0.0000 | 82.173 | 0.01801 | 0.00000 | 319537.6 | 135392.3 | 183122.1 | S |
| 165.092 | 0.0000 | 0.0000 | 82.173 | 0.01801 | 0.00000 | 319537.6 | 135392.8 | 183122.1 | S |
| 165.100 | 0.0000 | 0.0000 | 82.173 | 0.01801 | 0.00000 | 319537.6 | 135393.3 | 183122.1 | S |
| 165.108 | 0.0000 | 0.0000 | 82.173 | 0.01801 | 0.00000 | 319537.6 | 135393.9 | 183122.1 | S |
| 165.117 | 0.0000 | 0.0000 | 82.173 | 0.01800 | 0.00000 | 319537.6 | 135394.4 | 183122.1 | S |
| 165.125 | 0.0000 | 0.0000 | 82.173 | 0.01800 | 0.00000 | 319537.6 | 135395.0 | 183122.1 | S |
| 165.133 | 0.0000 | 0.0000 | 82.173 | 0.01800 | 0.00000 | 319537.6 | 135395.5 | 183122.1 | S |
| 165.142 | 0.0000 | 0.0000 | 82.173 | 0.01800 | 0.00000 | 319537.6 | 135396.0 | 183122.1 | S |
| 165.150 | 0.0000 | 0.0000 | 82.172 | 0.01800 | 0.00000 | 319537.6 | 135396.6 | 183122.1 | S |
| 165.158 | 0.0000 | 0.0000 | 82.172 | 0.01800 | 0.00000 | 319537.6 | 135397.1 | 183122.1 | S |
| 165.167 | 0.0000 | 0.0000 | 82.172 | 0.01799 | 0.00000 | 319537.6 | 135397.7 | 183122.1 | S |
| 165.175 | 0.0000 | 0.0000 | 82.172 | 0.01799 | 0.00000 | 319537.6 | 135398.2 | 183122.1 | S |
| 165.183 | 0.0000 | 0.0000 | 82.172 | 0.01799 | 0.00000 | 319537.6 | 135398.8 | 183122.1 | S |
| 165.192 | 0.0000 | 0.0000 | 82.172 | 0.01799 | 0.00000 | 319537.6 | 135399.3 | 183122.1 | S |
| 165.200 | 0.0000 | 0.0000 | 82.172 | 0.01799 | 0.00000 | 319537.6 | 135399.8 | 183122.1 | S |
| 165.208 | 0.0000 | 0.0000 | 82.172 | 0.01798 | 0.00000 | 319537.6 | 135400.4 | 183122.1 | S |
| 165.217 | 0.0000 | 0.0000 | 82.172 | 0.01798 | 0.00000 | 319537.6 | 135400.9 | 183122.1 | S |
| 165.225 | 0.0000 | 0.0000 | 82.172 | 0.01798 | 0.00000 | 319537.6 | 135401.5 | 183122.1 | S |
| 165.233 | 0.0000 | 0.0000 | 82.172 | 0.01798 | 0.00000 | 319537.6 | 135402.0 | 183122.1 | S |
| 165.242 | 0.0000 | 0.0000 | 82.171 | 0.01798 | 0.00000 | 319537.6 | 135402.5 | 183122.1 | S |
| 165.250 | 0.0000 | 0.0000 | 82.171 | 0.01798 | 0.00000 | 319537.6 | 135403.1 | 183122.1 | S |
| 165.258 | 0.0000 | 0.0000 | 82.171 | 0.01797 | 0.00000 | 319537.6 | 135403.6 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate (ft3/s) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate (ft ${ }^{3} / \mathrm{s}$ ) | Overflow Discharge (ft ${ }^{3 / s}$ ) | Cumulative Infiow Voiume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 165.267 | 0.0000 | 0.0000 | 82.171 | 0.01797 | 0.00000 | 319537.6 | 135404.1 | 183122.1 | S |
| 165.275 | 0.0000 | 0.0000 | 82.171 | 0.01797 | 0.00000 | 319537.6 | 135404.7 | 183122.1 | S |
| 165.283 | 0.0000 | 0.0000 | 82.171 | 0.01797 | 0.00000 | 319537.6 | 135405.2 | 183122.1 | S |
| 165.292 | 0.0000 | 0.0000 | 82.171 | 0.01797 | 0.00000 | 319537.6 | 135405.8 | 183122.1 | S |
| 165.300 | 0.0000 | 0.0000 | 82.171 | 0.01797 | 0.00000 | 319537.6 | 135406.3 | 183122.1 | S |
| 165.308 | 0.0000 | 0.0000 | 82.171 | 0.01796 | 0.00000 | 319537.6 | 135406.8 | 183122.1 | S |
| 165.317 | 0.0000 | 0.0000 | 82.171 | 0.01796 | 0.00000 | 319537.6 | 135407.4 | 183122.1 | S |
| 165.325 | 0.0000 | 0.0000 | 82.171 | 0.01796 | 0.00000 | 319537.6 | 135407.9 | 183122.1 | S |
| 165.333 | 0.0000 | 0.0000 | 82.170 | 0.01796 | 0.00000 | 319537.6 | 135408.5 | 183122.1 | S |
| 165.342 | 0.0000 | 0.0000 | 82.170 | 0.01796 | 0.00000 | 319537.6 | 135409.0 | 183122.1 | S |
| 165.350 | 0.0000 | 0.0000 | 82.170 | 0.01796 | 0.00000 | 319537.6 | 135409.5 | 183122.1 | S |
| 165.358 | 0.0000 | 0.0000 | 82.170 | 0.01795 | 0.00000 | 319537.6 | 135410.1 | 183122.1 | S |
| 165.367 | 0.0000 | 0.0000 | 82.170 | 0.01795 | 0.00000 | 319537.6 | 135410.6 | 183122.1 | S |
| 165.375 | 0.0000 | 0.0000 | 82.170 | 0.01795 | 0.00000 | 319537.6 | 135411.2 | 183122.1 | S |
| 165.383 | 0.0000 | 0.0000 | 82.170 | 0.01795 | 0.00000 | 319537.6 | 135411.7 | 183122.1 | S |
| 165.392 | 0.0000 | 0.0000 | 82.170 | 0.01795 | 0.00000 | 319537.6 | 135412.2 | 183122.1 | S |
| 165.400 | 0.0000 | 0.0000 | 82.170 | 0.01795 | 0.00000 | 319537.6 | 135412.8 | 183122.1 | S |
| 165.408 | 0.0000 | 0.0000 | 82.170 | 0.01794 | 0.00000 | 319537.6 | 135413.3 | 183122.1 | S |
| 165.417 | 0.0000 | 0.0000 | 82.170 | 0.01794 | 0.00000 | 319537.6 | 135413.8 | 183122.1 | S |
| 165.425 | 0.0000 | 0.0000 | 82.169 | 0.01794 | 0.00000 | 319537.6 | 135414.4 | 183122.1 | S |
| 165.433 | 0.0000 | 0.0000 | 82.169 | 0.01794 | 0.00000 | 319537.6 | 135414.9 | 183122.1 | S |
| 165.442 | 0.0000 | 0.0000 | 82.169 | 0.01794 | 0.00000 | 319537.6 | 135415.5 | 183122.1 | S |
| 165.450 | 0.0000 | 0.0000 | 82.169 | 0.01793 | 0.00000 | 319537.6 | 135416.0 | 183122.1 | S |
| 165.458 | 0.0000 | 0.0000 | 82.169 | 0.01793 | 0.00000 | 319537.6 | 135416.5 | 183122.1 | S |
| 165.467 | 0.0000 | 0.0000 | 82.169 | 0.01793 | 0.00000 | 319537.6 | 135417.1 | 183122.1 | S |
| 165.475 | 0.0000 | 0.0000 | 82.169 | 0.01793 | 0,00000 | 319537.6 | 135417.6 | 183122.1 | S |
| 165.483 | 0.0000 | 0.0000 | 82.169 | 0.01793 | 0.00000 | 319537.6 | 135418.1 | 183122.1 | S |
| 165.492 | 0.0000 | 0.0000 | 82.169 | 0.01793 | 0.00000 | 319537.6 | 135418.7 | 183122.1 | S |
| 165.500 | 0.0000 | 0.0000 | 82.169 | 0.01792 | 0.00000 | 319537.6 | 135419.2 | 183122.1 | S |
| 165.508 | 0.0000 | 0.0000 | 82.169 | 0.01792 | 0.00000 | 319537.6 | 135419.8 | 183122.1 | S |
| 165.517 | 0.0000 | 0.0000 | 82.169 | 0.01792 | 0.00000 | 319537.6 | 135420.3 | 183122.1 | S |
| 165.525 | 0.0000 | 0.0000 | 82.168 | 0.01792 | 0.00000 | 319537.6 | 135420.8 | 183122.1 | S |
| 165.533 | 0.0000 | 0.0000 | 82.168 | 0.01792 | 0.00000 | 319537.6 | 135421.4 | 183122.1 | S |
| 165.542 | 0.0000 | 0.0000 | 82.168 | 0.01792 | 0.00000 | 319537.6 | 135421.9 | 183122.1 | S |
| 165.550 | 0.0000 | 0.0000 | 82.168 | 0.01791 | 0.00000 | 319537.6 | 135422.5 | 183122.1 | S |
| 165.558 | 0.0000 | 0.0000 | 82.168 | 0.01791 | 0.00000 | 319537.6 | 135423.0 | 183122.1 | S |
| 165.567 | 0.0000 | 0.0000 | 82.168 | 0.01791 | 0.00000 | 319537.6 | 135423.5 | 183122.1 | S |
| 165.575 | 0.0000 | 0.0000 | 82.168 | 0.01791 | 0.00000 | 319537.6 | 135424.1 | 183122.1 | S |
| 165.583 | 0.0000 | 0.0000 | 82.168 | 0.01791 | 0.00000 | 319537.6 | 135424.6 | 183122.1 | S |
| 165.592 | 0.0000 | 0.0000 | 82.168 | 0.01791 | 0.00000 | 319537.6 | 135425.1 | 183122.1 | S |
| 165.600 | 0.0000 | 0.0000 | 82.168 | 0.01790 | 0.00000 | 319537.6 | 135425.7 | 183122.1 | S |
| 165.608 | 0.0000 | 0.0000 | 82.168 | 0.01790 | 0.00000 | 319537.6 | 135426.2 | 183122.1 | S |
| 165.617 | 0.0000 | 0.0000 | 82.167 | 0.01790 | 0.00000 | 319537.6 | 135426.8 | 183122.1 | S |
| 165.625 | 0.0000 | 0.0000 | 82.167 | 0.01790 | 0.00000 | 319537.6 | 135427.3 | 183122.1 | S |
| 165.633 | 0.0000 | 0.0000 | 82.167 | 0.01790 | 0.00000 | 319537.6 | 135427.8 | 183122.1 | S |
| 165.642 | 0.0000 | 0.0000 | 82.167 | 0.01790 | 0.00000 | 319537.6 | 135428.4 | 183122.1 | S |
| 165.650 | 0.0000 | 0.0000 | 82.167 | 0.01789 | 0.00000 | 319537.6 | 135428.9 | 183122.1 | S |
| 165.658 | 0.0000 | 0.0000 | 82.167 | 0.01789 | 0.00000 | 319537.6 | 135429.4 | 183122.1 | S |
| 165.667 | 0.0000 | 0.0000 | 82.167 | 0.01789 | 0.00000 | 319537.6 | 135430.0 | 183122.1 | S |
| 165.675 | 0.0000 | 0.0000 | 82.167 | 0.01789 | 0.00000 | 319537.6 | 135430.5 | 183122.1 | S |
| 165.683 | 0.0000 | 0.0000 | 82.167 | 0.01789 | 0.00000 | 319537.6 | 135431.0 | 183122.1 | S |
| 165.692 | 0.0000 | 0.0000 | 82.167 | 0.01789 | 0.00000 | 319537.6 | 135431.6 | 183122.1 | S |
| 165.700 | 0.0000 | 0.0000 | 82.167 | 0.01788 | 0.00000 | 319537.6 | 135432.1 | 183122.1 | S |
| 165.708 | 0.0000 | 0.0000 | 82.166 | 0.01788 | 0.00000 | 319537.6 | 135432.6 | 183122.1 | S |
| 165.717 | 0.0000 | 0.0000 | 82.166 | 0.01788 | 0.00000 | 319537.6 | 135433.2 | 183122.1 | S |
| 165.725 | 0.0000 | 0.0000 | 82.166 | 0.01788 | 0.00000 | 319537.6 | 135433.7 | 183122.1 | S |
| 165.733 | 0.0000 | 0.0000 | 82.166 | 0.01788 | 0.00000 | 319537.6 | 135434.3 | 183122.1 | S |
| 165.742 | 0.0000 | 0.0000 | 82.166 | 0.01788 | 0.00000 | 319537.6 | 135434.8 | 183122.1 | S |
| 165.750 | 0.0000 | 0.0000 | 82.166 | 0.01787 | 0.00000 | 319537.6 | 135435.3 | 183122.1 | S |
| 165.758 | 0.0000 | 0.0000 | 82,166 | 0.01787 | 0.00000 | 319537.6 | 135435.9 | 183122.1 | S |
| 165.767 | 0.0000 | 0.0000 | 82.166 | 0.01787 | 0.00000 | 319537.6 | 135436.4 | 183122.1 | S |
| 165.775 | 0.0000 | 0.0000 | 82.166 | 0.01787 | 0.00000 | 319537.6 | 135436.9 | \{83122.1 | S |
| 165.783 | 0.0000 | 0.0000 | 82.166 | 0.01787 | 0.00000 | 319537.6 | 135437.5 | 183122.1 | S |
| 165.792 | 0.0000 | 0.0000 | 82.166 | 0.01786 | 0.00000 | 319537.6 | 135438.0 | 183122.1 | S |
| 165.800 | 0.0000 | 0.0000 | 82.165 | 0.01786 | 0.00000 | 319537.6 | 135438.5 | 183122.1 | S |
| 165.808 | 0.0000 | 0.0000 | 82.165 | 0.01786 | 0.00000 | 319537.6 | 135439.1 | 183122.1 | S |
| 165.817 | 0.0000 | 0.0000 | 82.165 | 0.01786 | 0.00000 | 319537.6 | 135439.6 | 183122.1 | S |
| 165.825 | 0.0000 | 0.0000 | 82.165 | 0.01786 | 0.00000 | 319537.6 | 135440.2 | 183122.1 | S |
| 165.833 | 0.0000 | 0.0000 | 82.165 | 0.01786 | 0.00000 | 319537.6 | 135440.7 | 183122.1 | S |
| 165.842 | 0.0000 | 0.0000 | 82.165 | 0.01785 | 0.00000 | 319537.6 | 135441.2 | 183122.1 | S |
| 165.850 | 0.0000 | 0.0000 | 82.165 | 0.01785 | 0.00000 | 319537.6 | 135441.8 | 183122.1 | S |
| 165.858 | 0.0000 | 0.0000 | 82.165 | 0.01785 | 0.00000 | 319537.6 | 135442.3 | 183122.1 | S |
| 165.867 | 0.0000 | 0.0000 | 82.165 | 0.01785 | 0.00000 | 319537.6 | 135442.8 | 183122.1 | S |
| 165.875 | 0.0000 | 0.0000 | 82.165 | 0.01785 | 0.00000 | 319537.6 | 135443.4 | 183722.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (fiday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{1 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 165.883 | 0.0000 | 0.0000 | 82.165 | 0.01785 | 0.00000 | 319537.6 | 135443.9 | 183122.1 | S |
| 165.892 | 0.0000 | 0.0000 | 82.165 | 0.01784 | 0.00000 | 319537.6 | 135444.4 | 183122.1 | S |
| 165.900 | 0.0000 | 0.0000 | 82.164 | 0.01784 | 0.00000 | 319537.6 | 135445.0 | 183122.1 | S |
| 165.908 | 0.0000 | 0.0000 | 82.164 | 0.01784 | 0.00000 | 319537.6 | 135445.5 | 183122.1 | S |
| 165.917 | 0.0000 | 0.0000 | 82.164 | 0.01784 | 0.00000 | 319537.6 | 135446.0 | 183122.1 | S |
| 165.925 | 0.0000 | 0.0000 | 82.164 | 0.01784 | 0.00000 | 319537.6 | 135446.6 | 183122.1 | S |
| 165.933 | 0.0000 | 0.0000 | 82.164 | 0.01784 | 0.00000 | 319537.6 | 135447.1 | 183122.1 | S |
| 165.942 | 0.0000 | 0.0000 | 82.164 | 0.01783 | 0.00000 | 319537.6 | 135447.7 | 183122.1 | S |
| 165.950 | 0.0000 | 0.0000 | 82.164 | 0.01783 | 0.00000 | 319537.6 | 135448.2 | 183122.1 | S |
| 165.958 | 0.0000 | 0.0000 | 82.164 | 0.01783 | 0.00000 | 319537.6 | 135448.7 | 183122.1 | S |
| 165.967 | 0.0000 | 0.0000 | 82.164 | 0.01783 | 0.00000 | 319537.6 | 135449.3 | 183122.1 | S |
| 165.975 | 0.0000 | 0.0000 | 82.164 | 0.01783 | 0.00000 | 319537.6 | 135449.8 | 183122.1 | S |
| 165.983 | 0.0000 | 0.0000 | 82.164 | 0.01783 | 0.00000 | 319537.6 | 135450.3 | 183122.1 | S |
| 165.992 | 0.0000 | 0.0000 | 82.163 | 0.01782 | 0.00000 | 319537.6 | 135450.9 | 183122.1 | S |
| 166.000 | 0.0000 | 0.0000 | 82.163 | 0.01782 | 0.00000 | 319537.6 | 135451.4 | 183122.1 | S |
| 166.008 | 0.0000 | 0.0000 | 82.163 | 0.01782 | 0.00000 | 319537.6 | 135451.9 | 183122.1 | S |
| 166.017 | 0.0000 | 0.0000 | 82.163 | 0.01782 | 0.00000 | 319537.6 | 135452.5 | 183122.1 | S |
| 166.025 | 0.0000 | 0.0000 | 82.163 | 0.01782 | 0.00000 | 319537.6 | 135453.0 | 183122.1 | S |
| 166.033 | 0.0000 | 0.0000 | 82.163 | 0.01782 | 0.00000 | 319537.6 | 135453.5 | $183 \ddagger 22.1$ | S |
| 166.042 | 0.0000 | 0.0000 | 82.163 | 0.01781 | 0.00000 | 319537.6 | 135454.1 | 183122.1 | S |
| 166.050 | 0.0000 | 0.0000 | 82.163 | 0.01781 | 0.00000 | 319537.6 | 135454.6 | 183122.1 | S |
| 166.058 | 0.0000 | 0.0000 | 82.163 | 0.01781 | 0.00000 | 319537.6 | 135455.1 | 183122.1 | S |
| 166.067 | 0.0000 | 0.0000 | 82.163 | 0.01781 | 0.00000 | 319537.6 | 135455.7 | 183122.1 | S |
| 166.075 | 0.0000 | 0.0000 | 82.163 | 0.01781 | 0.00000 | 319537.6 | 135456.2 | 183122.1 | S |
| 166.083 | 0.0000 | 0.0000 | 82.162 | 0.01781 | 0.00000 | 319537.6 | 135456.7 | 183122.1 | S |
| 166.092 | 0.0000 | 0.0000 | 82.162 | 0.01780 | 0.00000 | 319537.6 | 135457.3 | 183122.1 | S |
| 166.100 | 0.0000 | 0.0000 | 82.162 | 0.01780 | 0.00000 | 319537.6 | 135457.8 | 183122.1 | S |
| 166.108 | 0.0000 | 0.0000 | 82.162 | 0.01780 | 0.00000 | 319537.6 | 135458.3 | 183122.1 | S |
| 166.117 | 0.0000 | 0.0000 | 82.162 | 0.01780 | 0.00000 | 319537.6 | 135458.9 | 183122.1 | S |
| 166.125 | 0.0000 | 0.0000 | 82.162 | 0.01780 | 0.00000 | 319537.6 | 135459.4 | 183122.1 | S |
| 166.133 | 0.0000 | 0.0000 | 82.162 | 0.01780 | 0.00000 | 319537.6 | 135459.9 | 183122.1 | S |
| 166.142 | 0.0000 | 0.0000 | 82.162 | 0.01779 | 0.00000 | 319537.6 | 135460.5 | 183122.1 | S |
| 166.150 | 0.0000 | 0.0000 | 82.162 | 0.01779 | 0.00000 | 319537.6 | 135461.0 | 183122.1 | S |
| 166.158 | 0.0000 | 0.0000 | 82.162 | 0.01779 | 0.00000 | 319537.6 | 135461.5 | 183122.1 | S |
| 166.167 | 0.0000 | 0.0000 | 82.162 | 0.01779 | 0.00000 | 319537.6 | 135462.1 | 183122.1 | S |
| 166.175 | 0.0000 | 0.0000 | 82.162 | 0.01779 | 0.00000 | 319537.6 | 135462.6 | 183122.1 | S |
| 166.183 | 0.0000 | 0.0000 | 82.161 | 0.01778 | 0.00000 | 319537.6 | 135463.1 | 183122.1 | S |
| 166.192 | 0.0000 | 0.0000 | 82.161 | 0.01778 | 0.00000 | 319537.6 | 135463.7 | 183122.1 | S |
| 166.200 | 0.0000 | 0.0000 | 82.161 | 0.01778 | 0.00000 | 319537.6 | 135464.2 | 183122.1 | S |
| 166.208 | 0.0000 | 0.0000 | 82.161 | 0.01778 | 0.00000 | 319537.6 | 135464.8 | 183122.1 | S |
| 166.217 | 0.0000 | 0.0000 | 82.161 | 0.01778 | 0.00000 | 319537.6 | 135465.3 | 183122.1 | S |
| 166.225 | 0.0000 | 0.0000 | 82.161 | 0.01778 | 0.00000 | 319537.6 | 135465.8 | 183122.1 | S |
| 166.233 | 0.0000 | 0.0000 | 82.161 | 0.01777 | 0.00000 | 319537.6 | 135466.3 | 183122.1 | S |
| 166.242 | 0.0000 | 0.0000 | 82.161 | 0.01777 | 0.00000 | 319537.6 | 135466.9 | 183122.1 | S |
| 166.250 | 0.0000 | 0.0000 | 82.161 | 0.01777 | 0.00000 | 319537.6 | 135467.4 | 183122.1 | S |
| 166.258 | 0.0000 | 0.0000 | 82.161 | 0.01777 | 0.00000 | 319537.6 | 135467.9 | 183122.1 | S |
| 166.267 | 0.0000 | 0.0000 | 82.161 | 0.01777 | 0.00000 | 319537.6 | 135468.5 | 183122.1 | S |
| 166.275 | 0.0000 | 0.0000 | 82.160 | 0.01777 | 0.00000 | 319537.6 | 135469.0 | 183122.1 | S |
| 166.283 | 0.0000 | 0.0000 | 82.160 | 0.01776 | 0.00000 | 319537.6 | 135469.5 | 183122.1 | S |
| 166.292 | 0.0000 | 0.0000 | 82.160 | 0.01776 | 0.00000 | 319537.6 | 135470.1 | 183122.1 | S |
| 166.300 | 0.0000 | 0.0000 | 82.160 | 0.01776 | 0.00000 | 319537.6 | 135470.6 | 183122.1 | S |
| 166.308 | 0.0000 | 0.0000 | 82.160 | 0.01776 | 0.00000 | 319537.6 | 135471.1 | 183122.1 | S |
| 166.317 | 0.0000 | 0.0000 | 82.160 | 0.01776 | 0.00000 | 319537.6 | 135471.7 | 183122.1 | S |
| 166.325 | 0.0000 | 0.0000 | 82.160 | 0.01776 | 0.00000 | 319537.6 | 135472.2 | 183122.1 | S |
| 166.333 | 0.0000 | 0.0000 | 82.160 | 0.01775 | 0.00000 | 319537.6 | 135472.7 | 183122.1 | S |
| 166.342 | 0.0000 | 0.0000 | 82.160 | 0.01775 | 0.00000 | 319537.6 | 135473.3 | 183122.1 | S |
| 166.350 | 0.0000 | 0.0000 | 82.160 | 0.01775 | 0.00000 | 319537.6 | 135473.8 | 183122.1 | S |
| 166.358 | 0.0000 | 0.0000 | 82.160 | 0.01775 | 0.00000 | 319537.6 | 135474.3 | 183122.1 | S |
| 166.367 | 0.0000 | 0.0000 | 82.159 | 0.01775 | 0.00000 | 319537.6 | 135474.9 | 183122.1 | S |
| 166.375 | 0.0000 | 0.0000 | 82.159 | 0.01775 | 0.00000 | 319537.6 | 135475.4 | 183122.1 | S |
| 166.383 | 0.0000 | 0.0000 | 82.159 | 0.01774 | 0.00000 | 319537.6 | 135475.9 | 183122.1 | S |
| 166.392 | 0.0000 | 0.0000 | 82.159 | 0.01774 | 0.00000 | 319537.6 | 135476.5 | 183122.1 | S |
| 166.400 | 0.0000 | 0.0000 | 82.159 | 0.01774 | 0.00000 | 319537.6 | 135477.0 | 183122.1 | S |
| 166.408 | 0.0000 | 0.0000 | 82.159 | 0.01774 | 0.00000 | 319537.6 | 135477.5 | 183122.1 | S |
| 166.417 | 0.0000 | 0.0000 | 82.159 | 0.01774 | 0.00000 | 319537.6 | 135478.1 | 183122.1 | S |
| 166.425 | 0.0000 | 0.0000 | 82.159 | 0.01774 | 0.00000 | 319537.6 | 135478.6 | 183122.1 | S |
| 166.433 | 0.0000 | 0.0000 | 82.159 | 0.01773 | 0.00000 | 319537.6 | 135479.1 | 183122.1 | S |
| 166.442 | 0.0000 | 0.0000 | 82.159 | 0.01773 | 0.00000 | 319537.6 | 135479.7 | 183122.1 | S |
| 166.450 | 0.0000 | 0.0000 | 82.159 | 0.01773 | 0.00000 | 319537.6 | 135480.2 | 183122.1 | S |
| 166.458 | 0.0000 | 0.0000 | 82.159 | 0.01773 | 0.00000 | 319537.6 | 135480.7 | 183122.1 | S |
| 166.467 | 0.0000 | 0.0000 | 82.158 | 0.01773 | 0.00000 | 319537.6 | 135481.3 | 183122.1 | S |
| 166.475 | 0.0000 | 0.0000 | 82.158 | 0.01773 | 0.00000 | 319537.6 | 135481.8 | 183122.1 | S |
| 166.483 | 0.0000 | 0.0000 | 82.158 | 0.01772 | 0.00000 | 319537.6 | 135482.3 | 183122.1 | S |
| 166.492 | 0.0000 | 0.0000 | 82.158 | 0.01772 | 0.00000 | 319537.6 | 135482.8 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (fidday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{1 / 3}$ ) | Cumulative Inflow Volume (ft ${ }^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 166.500 | 0.0000 | 0.0000 | 82.158 | 0.01772 | 0.00000 | 319537.6 | 135483.4 | 183122.1 | S |
| 166.508 | 0.0000 | 0.0000 | 82.158 | 0.01772 | 0.00000 | 319537.6 | 135483.9 | 183122.1 | S |
| 166.517 | 0.0000 | 0.0000 | 82.158 | 0.01772 | 0.00000 | 319537.6 | 135484.4 | 183122.1 | S |
| 166.525 | 0.0000 | 0.0000 | 82.158 | 0.01772 | 0.00000 | 319537.6 | 135485.0 | 183122.1 | S |
| 166.533 | 0.0000 | 0.0000 | 82.158 | 0.01771 | 0.00000 | 319537.6 | 135485.5 | 183122.1 | S |
| 166.542 | 0.0000 | 0.0000 | 82.158 | 0.01771 | 0.00000 | 319537.6 | 135486.0 | 183122.1 | S |
| 166.550 | 0.0000 | 0.0000 | 82.158 | 0.01771 | 0.00000 | 319537.6 | 135486.6 | 183122.1 | S |
| 166.558 | 0.0000 | 0.0000 | 82.157 | 0.01771 | 0.00000 | 319537.6 | 135487.1 | 183122.1 | S |
| 166.567 | 0.0000 | 0.0000 | 82.157 | 0.01771 | 0.00000 | 319537.6 | 135487.6 | 183122.1 | S |
| 166.575 | 0.0000 | 0.0000 | 82.157 | 0.01771 | 0.00000 | 319537.6 | 135488.2 | 183122.1 | S |
| 166.583 | 0.0000 | 0.0000 | 82.157 | 0.01770 | 0.00000 | 319537.6 | 135488.7 | 183122.1 | S |
| 166.592 | 0.0000 | 0.0000 | 82.157 | 0.01770 | 0.00000 | 319537.6 | 135489.2 | 183122.1 | S |
| 166.600 | 0.0000 | 0.0000 | 82.157 | 0.01770 | 0.00000 | 319537.6 | 135489.8 | 183122.1 | S |
| 166.608 | 0.0000 | 0.0000 | 82.157 | 0.01770 | 0.00000 | 319537.6 | 135490.3 | 183122.1 | S |
| 166.617 | 0.0000 | 0.0000 | 82.157 | 0.01770 | 0.00000 | 319537.6 | 135490.8 | 183122.1 | S |
| 166.625 | 0.0000 | 0.0000 | 82.157 | 0.01770 | 0.00000 | 319537.6 | 135491.3 | 183122.1 | S |
| 166.633 | 0.0000 | 0.0000 | 82.157 | 0.01769 | 0.00000 | 319537.6 | 135491.9 | 183122.1 | S |
| 166.642 | 0.0000 | 0.0000 | 82.157 | 0.01769 | 0.00000 | 319537.6 | 135492.4 | 183122.1 | S |
| 166.650 | 0.0000 | 0.0000 | 82.156 | 0.01769 | 0.00000 | 319537.6 | 135492.9 | 183122.1 | S |
| 166.658 | 0.0000 | 0.0000 | 82.156 | 0.01769 | 0.00000 | 319537.6 | 135493.5 | 183122.1 | S |
| 166.667 | 0.0000 | 0.0000 | 82.156 | 0.01769 | 0.00000 | 319537.6 | 135494.0 | 183122 | S |
| 166.675 | 0.0000 | 0.0000 | 82.156 | 0.01769 | 0.00000 | 319537.6 | 135494.5 | 183122.1 | S |
| 166.683 | 0.0000 | 0.0000 | 82.156 | 0.01768 | 0.00000 | 319537.6 | 135495.1 | 183122.1 | S |
| 166.692 | 0.0000 | 0.0000 | 82.156 | 0.01768 | 0.00000 | 319537.6 | 135495.6 | 183122.1 | S |
| 166.700 | 0.0000 | 0.0000 | 82.156 | 0.01768 | 0.00000 | 319537.6 | 135496.1 | 183122.1 | S |
| 166.708 | 0.0000 | 0.0000 | 82.156 | 0.01768 | 0.00000 | 319537.6 | 135496.7 | 183122.1 | S |
| 166.717 | 0.0000 | 0.0000 | 82.156 | 0.01768 | 0.00000 | 319537.6 | 135497.2 | 183122.1 | S |
| 166.725 | 0.0000 | 0.0000 | 82.156 | 0.01768 | 0.00000 | 319537.6 | 135497.7 | 183122.1 | S |
| 166.733 | 0.0000 | 0.0000 | 82.156 | 0.01767 | 0.00000 | 319537.6 | 135498.3 | 183122.1 | S |
| 166.742 | 0.0000 | 0.0000 | 82.156 | 0.01767 | 0.00000 | 319537.6 | 135498.8 | 183122.1 | S |
| 166.750 | 0.0000 | 0.0000 | 82.155 | 0.01767 | 0.00000 | 319537.6 | 135499.3 | 183122.1 | S |
| 166.758 | 0.0000 | 0.0000 | 82.155 | 0.01767 | 0.00000 | 319537.6 | 135499.8 | 183122.1 | S |
| 166.767 | 0.0000 | 0.0000 | 82.155 | 0.01767 | 0.00000 | 319537.6 | 135500.4 | 183122.1 | S |
| 166.775 | 0.0000 | 0.0000 | 82.155 | 0.01767 | 0.00000 | 319537.6 | 135500.9 | 183122.1 | S |
| 166.783 | 0.0000 | 0.0000 | 82.155 | 0.01766 | 0.00000 | 319537.6 | 135501.4 | 183122.1 | S |
| 166.792 | 0.0000 | 0.0000 | 82.155 | 0.01766 | 0.00000 | 319537.6 | 135502.0 | 183122.1 | S |
| 166.800 | 0.0000 | 0.0000 | 82.155 | 0.01766 | 0.00000 | 319537.6 | 135502.5 | 183122.1 | S |
| 166.808 | 0.0000 | 0.0000 | 82.155 | 0.01766 | 0.00000 | 319537.6 | 135503.0 | 183122.1 | S |
| 166.817 | 0.0000 | 0.0000 | 82.155 | 0.01766 | 0.00000 | 319537.6 | 135503.5 | 183122.1 | S |
| 166.825 | 0.0000 | 0.0000 | 82.155 | 0.01766 | 0.00000 | 319537.6 | 135504.1 | 183122.1 | S |
| 166.833 | 0.0000 | 0.0000 | 82.155 | 0.01765 | 0.00000 | 319537.6 | 135504.6 | 183122.1 | S |
| 166.842 | 0.0000 | 0.0000 | 82.154 | 0.01765 | 0.00000 | 319537.6 | 135505.1 | 183122.1 | S |
| 166.850 | 0.0000 | 0.0000 | 82.154 | 0.01765 | 0.00000 | 319537.6 | 135505.7 | 183122.1 | S |
| 166.858 | 0.0000 | 0.0000 | 82.154 | 0.01765 | 0.00000 | 319537.6 | 135506.2 | 183122.1 | S |
| 166.867 | 0.0000 | 0.0000 | 82.154 | 0.01765 | 0.00000 | 319537.6 | 135506.7 | 183122.1 | S |
| 166.875 | 0.0000 | 0.0000 | 82.154 | 0.01765 | 0.00000 | 319537.6 | 135507.3 | 183122.1 | S |
| 166.883 | 0.0000 | 0.0000 | 82.154 | 0.01764 | 0.00000 | 319537.6 | 135507.8 | 183122.1 | S |
| 166.892 | 0.0000 | 0.0000 | 82.154 | 0.01764 | 0.00000 | 319537.6 | 135508.3 | 183122.1 | S |
| 166.900 | 0.0000 | 0.0000 | 82.154 | 0.01764 | 0.00000 | 319537.6 | 135508.8 | 183122.1 | S |
| 166.908 | 0.0000 | 0.0000 | 82.154 | 0.01764 | 0.00000 | 319537.6 | 135509.4 | 183122.1 | S |
| 166.917 | 0.0000 | 0.0000 | 82.154 | 0.01764 | 0.00000 | 319537.6 | 135509.9 | 183122.1 | S |
| 166.925 | 0.0000 | 0.0000 | 82.154 | 0.01764 | 0.00000 | 319537.6 | 135510.4 | 183122.1 | S |
| 166.933 | 0.0000 | 0.0000 | 82.153 | 0.01763 | 0.00000 | 319537.6 | 135511.0 | 183122.1 | S |
| 166.942 | 0.0000 | 0.0000 | 82.153 | 0.01763 | 0.00000 | 319537.6 | 135511.5 | 183122.1 | S |
| 166.950 | 0.0000 | 0.0000 | 82.153 | 0.01763 | 0.00000 | 319537.6 | 135512.0 | 183122.1 | S |
| 166.958 | 0.0000 | 0.0000 | 82.153 | 0.01763 | 0.00000 | 319537.6 | 135512.5 | 183122.1 | S |
| 166.967 | 0.0000 | 0.0000 | 82.153 | 0.01763 | 0.00000 | 319537.6 | 135513.1 | 183122.1 | S |
| 166.975 | 0.0000 | 0.0000 | 82.153 | 0.01763 | 0.00000 | 319537.6 | 135513.6 | 183122.1 | S |
| 166.983 | 0.0000 | 0.0000 | 82.153 | 0.01762 | 0.00000 | 319537.6 | 135514.1 | 183122.1 | S |
| 166.992 | 0.0000 | 0.0000 | 82.153 | 0.01762 | 0.00000 | 319537.6 | 135514.7 | 183122.1 | S |
| 167.000 | 0.0000 | 0.0000 | 82.153 | 0.01762 | 0.00000 | 319537.6 | 135515.2 | 183122.1 | S |
| 167.008 | 0.0000 | 0.0000 | 82.153 | 0.01762 | 0.00000 | 319537.6 | 135515.7 | 183122.1 | S |
| 167.017 | 0.0000 | 0.0000 | 82.153 | 0.01762 | 0.00000 | 319537.6 | 135516.3 | 183122.1 | S |
| 167.025 | 0.0000 | 0.0000 | 82.153 | 0.01762 | 0.00000 | 319537.6 | 135516.8 | 183122.1 | S |
| 167.033 | 0.0000 | 0.0000 | 82.152 | 0.01761 | 0.00000 | 319537.6 | 135517.3 | 183122.1 | S |
| 167.042 | 0.0000 | 0.0000 | 82.152 | 0.01761 | 0.00000 | 319537.6 | 135517.8 | 183122.1 | S |
| 167.050 | 0.0000 | 0.0000 | 82.152 | 0.01761 | 0.00000 | 319537.6 | 135518.4 | 183122.1 | S |
| 167.058 | 0.0000 | 0.0000 | 82.152 | 0.01761 | 0.00000 | 319537.6 | 135518.9 | 183122.1 | S |
| 167.067 | 0.0000 | 0.0000 | 82.152 | 0.01761 | 0.00000 | 319537.6 | 135519.4 | 183122.1 | S |
| 167.075 | 0.0000 | 0.0000 | 82.152 | 0.01761 | 0.00000 | 319537.6 | 135519.9 | 183122.1 | S |
| 167.083 | 0.0000 | 0.0000 | 82.152 | 0.01760 | 0.00000 | 319537.6 | 135520.5 | 183122.1 | S |
| 167.092 | 0.0000 | 0.0000 | 82.152 | 0.01760 | 0.00000 | 319537.6 | 135521.0 | 183122.1 | S |
| 167.100 | 0.0000 | 0.0000 | 82.152 | 0.01760 | 0.00000 | 319537.6 | 135521.5 | 183122.1 | S |
| 167.108 | 0.0000 | 0.0000 | 82.152 | 0.01760 | 0.00000 | 319537.6 | 135522.1 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative <br> Discharge <br> Volume ( $\mathrm{H}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 167.117 | 0.0000 | 0.0000 | 82.152 | 0.01760 | 0.00000 | 319537.6 | 135522.6 | 183122.1 | S |
| 167.125 | 0.0000 | 0.0000 | 82.151 | 0.01760 | 0.00000 | 319537.6 | 135523.1 | 183122.1 | S |
| 167.133 | 0.0000 | 0.0000 | 82.151 | 0.01759 | 0.00000 | 319537.6 | 135523.6 | 183122.1 | S |
| 167.142 | 0.0000 | 0.0000 | 82.151 | 0.01759 | 0.00000 | 319537.6 | 135524.2 | 183122.1 | S |
| 167.150 | 0.0000 | 0.0000 | 82.151 | 0.01759 | 0.00000 | 319537.6 | 135524.7 | 183122.1 | S |
| 167.158 | 0.0000 | 0.0000 | 82.151 | 0.01759 | 0.00000 | 319537.6 | 135525.2 | 183122.1 | S |
| 167.167 | 0.0000 | 0.0000 | 82.151 | 0.01759 | 0.00000 | 319537.6 | 135525.8 | 183122.1 | S |
| 167.175 | 0.0000 | 0.0000 | 82.151 | 0.01759 | 0.00000 | 319537.6 | 135526.3 | 183122.1 | S |
| 167.183 | 0.0000 | 0.0000 | 82.151 | 0.01758 | 0.00000 | 319537.6 | 135526.8 | 183122.1 | S |
| 167.192 | 0.0000 | 0.0000 | 82.151 | 0.01758 | 0.00000 | 319537.6 | 135527.3 | 183122.1 | S |
| 167.200 | 0.0000 | 0.0000 | 82.151 | 0.01758 | 0.00000 | 319537.6 | 135527.9 | 183122.1 | S |
| 167.208 | 0.0000 | 0.0000 | 82.151 | 0.01758 | 0.00000 | 319537.6 | 135528.4 | 183122.1 | S |
| 167.217 | 0.0000 | 0.0000 | 82.151 | 0.01758 | 0.00000 | 319537.6 | 135528.9 | 183122.1 | S |
| 167.225 | 0.0000 | 0.0000 | 82.150 | 0.01758 | 0.00000 | 319537.6 | 135529.4 | 183122.1 | S |
| 167.233 | 0.0000 | 0.0000 | 82.150 | 0.01757 | 0.00000 | 319537.6 | 135530.0 | 183122.1 | S |
| 167.242 | 0.0000 | 0.0000 | 82.150 | 0.01757 | 0.00000 | 319537.6 | 135530.5 | 183122.1 | S |
| 167.250 | 0.0000 | 0.0000 | 82.150 | 0.01757 | 0.00000 | 319537.6 | 135531.0 | 183122.1 | S |
| 167.258 | 0.0000 | 0.0000 | 82.150 | 0.01757 | 0.00000 | 319537.6 | 135531.5 | 183122.1 | S |
| 167.267 | 0.0000 | 0.0000 | 82.150 | 0.01757 | 0.00000 | 319537.6 | 135532.1 | 183122.1 | S |
| 167.275 | 0.0000 | 0.0000 | 82.150 | 0.01757 | 0.00000 | 319537.6 | 135532.6 | 183122.1 | S |
| 167.283 | 0.0000 | 0.0000 | 82.150 | 0.01756 | 0.00000 | 319537.6 | 135533.1 | 183122.1 | S |
| 167.292 | 0.0000 | 0.0000 | 82.150 | 0.01756 | 0.00000 | 319537.6 | 135533.7 | 183122.1 | S |
| 167.300 | 0.0000 | 0.0000 | 82.150 | 0.01756 | 0.00000 | 319537.6 | 135534.2 | 183122.1 | S |
| 167.308 | 0.0000 | 0.0000 | 82.150 | 0.01756 | 0.00000 | 319537.6 | 135534.7 | 183122.1 | S |
| 167.317 | 0.0000 | 0.0000 | 82.149 | 0.01756 | 0.00000 | 319537.6 | 135535.2 | 183122.1 | S |
| 167.325 | 0.0000 | 0.0000 | 82.149 | 0.01756 | 0.00000 | 319537.6 | 135535.8 | 183122.1 | S |
| 167.333 | 0.0000 | 0.0000 | 82.149 | 0.01755 | 0.00000 | 319537.6 | 135536.3 | 183122.1 | S |
| 167.342 | 0.0000 | 0.0000 | 82.149 | 0.01755 | 0.00000 | 319537.6 | 135536.8 | 183122.1 | S |
| 167.350 | 0.0000 | 0.0000 | 82.149 | 0.01755 | 0.00000 | 319537.6 | 135537.3 | 183122.1 | S |
| 167.358 | 0.0000 | 0.0000 | 82.149 | 0.01755 | 0.00000 | 319537.6 | 135537.9 | 183122.1 | S |
| 167.367 | 0.0000 | 0.0000 | 82.149 | 0.01755 | 0.00000 | 319537.6 | 135538.4 | 183122.1 | S |
| 167.375 | 0.0000 | 0.0000 | 82.149 | 0.01755 | 0.00000 | 319537.6 | 135538.9 | 183122.1 | S |
| 167.383 | 0.0000 | 0.0000 | 82.149 | 0.01754 | 0.00000 | 319537.6 | 135539.5 | 183122.1 | S |
| 167.392 | 0.0000 | 0.0000 | 82.149 | 0.01754 | 0.00000 | 319537.6 | 135540.0 | 183122.1 | S |
| 167.400 | 0.0000 | 0.0000 | 82.149 | 0.01754 | 0.00000 | 319537.6 | 135540.5 | 183122.1 | S |
| 167.408 | 0.0000 | 0.0000 | 82.148 | 0.01754 | 0.00000 | 319537.6 | 135541.0 | 183122.1 | S |
| 167.417 | 0.0000 | 0.0000 | 82.148 | 0.01754 | 0.00000 | 319537.6 | 135541.6 | 183122.1 | S |
| 167.425 | 0.0000 | 0.0000 | 82.148 | 0.01754 | 0.00000 | 319537.6 | 135542.1 | 183122.1 | S |
| 167.433 | 0.0000 | 0.0000 | 82.148 | 0.01753 | 0.00000 | 319537.6 | 135542.6 | 183122.1 | S |
| 167.442 | 0.0000 | 0.0000 | 82.148 | 0.01753 | 0.00000 | 319537.6 | 135543.1 | 183122.1 | S |
| 167.450 | 0.0000 | 0.0000 | 82.148 | 0.01753 | 0.00000 | 319537.6 | 135543.7 | 183122.1 | S |
| 167.458 | 0.0000 | 0.0000 | 82.148 | 0.01753 | 0.00000 | 319537.6 | 135544.2 | 183122.1 | S |
| 167.467 | 0.0000 | 0.0000 | 82.148 | 0.01753 | 0.00000 | 319537.6 | 135544.7 | 183122.1 | S |
| 167.475 | 0.0000 | 0.0000 | 82.148 | 0.01753 | 0.00000 | 319537.6 | 135545.2 | 183122.1 | S |
| 167.483 | 0.0000 | 0.0000 | 82.148 | 0.01752 | 0.00000 | 319537.6 | 135545.8 | 183122.1 | S |
| 167.492 | 0.0000 | 0.0000 | 82.148 | 0.01752 | 0.00000 | 319537.6 | 135546.3 | 183122.1 | S |
| 167.500 | 0.0000 | 0.0000 | 82.148 | 0.01752 | 0.00000 | 319537.6 | 135546.8 | 183122.1 | S |
| 167.508 | 0.0000 | 0.0000 | 82.147 | 0.01752 | 0.00000 | 319537.6 | 135547.3 | 183122.1 | S |
| 167.517 | 0.0000 | 0.0000 | 82.147 | 0.01752 | 0.00000 | 319537.6 | 135547.9 | 183122.1 | S |
| 167.525 | 0.0000 | 0.0000 | 82.147 | 0.01752 | 0.00000 | 319537.6 | 135548.4 | 183122.1 | S |
| 167.533 | 0.0000 | 0.0000 | 82.147 | 0.01751 | 0.00000 | 319537.6 | 135548.9 | 183122.1 | S |
| 167.542 | 0.0000 | 0.0000 | 82.147 | 0.01751 | 0.00000 | 319537.6 | 135549.4 | 183122.1 | S |
| 167.550 | 0.0000 | 0.0000 | 82.147 | 0.01751 | 0.00000 | 319537.6 | 135550.0 | 183122.1 | S |
| 167.558 | 0.0000 | 0.0000 | 82.147 | 0.01751 | 0.00000 | 319537.6 | 135550.5 | 183122.1 | S |
| 167.567 | 0.0000 | 0.0000 | 82.147 | 0.01751 | 0.00000 | 319537.6 | 135551.0 | 183122.1 | S |
| 167.575 | 0.0000 | 0.0000 | 82.147 | 0.01751 | 0.00000 | 319537.6 | 135551.5 | 183122.1 | S |
| 167.583 | 0.0000 | 0,0000 | 82.147 | 0.01750 | 0.00000 | 319537.6 | 135552.1 | 183122.1 | S |
| 167.592 | 0.0000 | 0.0000 | 82.147 | 0.01750 | 0.00000 | 319537.6 | 135552.6 | 483122.1 | S |
| 167.600 | 0.0000 | 0.0000 | 82.146 | 0.01750 | 0.00000 | 319537.6 | 135553.1 | 183122.1 | S |
| 167.608 | 0.0000 | 0.0000 | 82.146 | 0.01750 | 0.00000 | 319537.6 | 135553.6 | 183122.1 | S |
| 167.617 | 0.0000 | 0.0000 | 82.146 | 0.01750 | 0.00000 | 319537.6 | 135554.2 | 183122.1 | S |
| 167.625 | 0.0000 | 0.0000 | 82.146 | 0.01750 | 0.00000 | 319537.6 | 135554.7 | 183122.1 | S |
| 167.633 | 0.0000 | 0.0000 | 82.146 | 0.01749 | 0.00000 | 319537.6 | 135555.2 | 183122.1 | S |
| 167.642 | 0.0000 | 0.0000 | 82.146 | 0.01749 | 0.00000 | 319537.6 | 135555.7 | 183122.1 | S |
| 167.650 | 0.0000 | 0.0000 | 82.146 | 0.01749 | 0.00000 | 319537.6 | 135556.3 | 183122.1 | S |
| 167.658 | 0.0000 | 0.0000 | 82.146 | 0.01749 | 0.00000 | 319537.6 | 135556.8 | 183122.1 | S |
| 167.667 | 0.0000 | 0.0000 | 82.146 | 0.01749 | 0.00000 | 319537.6 | 135557.3 | 183122.1 | S |
| 167.675 | 0.0000 | 0.0000 | 82.146 | 0.01749 | 0.00000 | 319537.6 | 135557.8 | 183122.1 | S |
| 167.683 | 0.0000 | 0.0000 | 82.146 | 0.01748 | 0.00000 | 319537.6 | 135558.4 | 183122.1 | S |
| \{67.692 | 0.0000 | 0.0000 | 82.146 | 0.01748 | 0.00000 | 319537.6 | 135558.9 | 183122.1 | S |
| 167.700 | 0.0000 | 0.0000 | 82.145 | 0.01748 | 0.00000 | 319537.6 | 135559.4 | 183122.1 | S |
| 167.708 | 0.0000 | 0.0000 | 82.145 | 0.01748 | 0.00000 | 319537.6 | 135559.9 | 183122.1 | S |
| 167.717 | 0.0000 | 0.0000 | 82.145 | 0.01748 | 0.00000 | 319537.6 | 135560.5 | 183122.1 | S |
| 167.725 | 0.0000 | 0.0000 | 82.145 | 0.01748 | 0.00000 | 319537.6 | 135561.0 | 183122.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario $1::$ pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | inflow Rate (fishs) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f} \mathrm{t}^{3} \mathrm{~s}$ ) | Overflow Discharge ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 167.733 | 0.0000 | 0.0000 | 82.145 | 0.01747 | 0.00000 | 319537.6 | 135561.5 | 183122.1 | S |
| 167.742 | 0.0000 | 0.0000 | 82.145 | 0.01747 | 0.00000 | 319537.6 | 135562.0 | 183122.1 | S |
| 167.750 | 0.0000 | 0.0000 | 82.145 | 0.01747 | 0.00000 | 319537.6 | 135562.6 | 183122.1 | S |
| 167.758 | 0.0000 | 0.0000 | 82.145 | 0.01747 | 0.00000 | 319537.6 | 135563.1 | 183122.1 | S |
| 167.767 | 0.0000 | 0.0000 | 82.145 | 0.01747 | 0.00000 | 319537.6 | 135563.6 | 183122.1 | S |
| 167.775 | 0.0000 | 0.0000 | 82.145 | 0.01747 | 0.00000 | 319537.6 | 135564.1 | 183122.1 | S |
| 167.783 | 0.0000 | 0.0000 | 82.145 | 0.01746 | 0.00000 | 319537.6 | 135564.7 | 183122.1 | S |
| 167.792 | 0.0000 | 0.0000 | 82.144 | 0.01746 | 0.00000 | 319537.6 | 135565.2 | 183122.1 | S |
| 167.800 | 0.0000 | 0.0000 | 82.144 | 0.01746 | 0.00000 | 319537.6 | 135565.7 | 183122.$\}$ | S |
| 167.808 | 0.0000 | 0.0000 | 82.144 | 0.01746 | 0.00000 | 319537.6 | 135566.2 | 183122.1 | S |
| 167.817 | 0.0000 | 0.0000 | 82.144 | 0.01746 | 0.00000 | 319537.6 | 135566.8 | 183122.1 | S |
| 167.825 | 0.0000 | 0.0000 | 82.144 | 0.01746 | 0.00000 | 319537.6 | 135567.3 | 183122.1 | S |
| 167.833 | 0.0000 | 0.0000 | 82.144 | 0.01745 | 0.00000 | 319537.6 | 135567.8 | 183122.1 | S |
| 167.842 | 0.0000 | 0.0000 | 82.144 | 0.01745 | 0.00000 | 319537.6 | 135568.3 | 183122.1 | S |
| 167.850 | 0.0000 | 0.0000 | 82.144 | $0.0\} 745$ | 0.00000 | 319537.6 | 135568.8 | 183122.1 | S |
| 167.858 | 0.0000 | 0.0000 | 82.144 | 0.01745 | 0.00000 | 319537.6 | 135569.4 | 183122.1 | S |
| 167.867 | 0.0000 | 0.0000 | 82.144 | 0.01745 | 0.00000 | 319537.6 | 135569.9 | 183122.1 | S |
| 167.875 | 0.0000 | 0.0000 | 82.144 | 0.01745 | 0.00000 | 319537.6 | 135570.4 | 183122.1 | S |
| 167.883 | 0.0000 | 0.0000 | 82.144 | 0.01744 | 0.00000 | 319537.6 | 135570.9 | 183122.1 | S |
| 167.892 | 0.0000 | 0.0000 | 82.143 | 0.01744 | 0.00000 | 319537.6 | 135571.5 | 183122.1 | S |
| 167.900 | 0.0000 | 0.0000 | 82.143 | 0.01744 | 0.00000 | 319537.6 | 135572.0 | 183122.1 | S |
| 167.908 | 0.0000 | 0.0000 | 82.143 | 0.01744 | 0.00000 | 319537.6 | 135572.5 | 183122.1 | S |
| 167.917 | 0.0000 | 0.0000 | 82.143 | 0.01744 | 0.00000 | 319537.6 | 135573.0 | 183122.1 | S |
| 167.925 | 0.0000 | 0.0000 | 82.143 | 0.01744 | 0.00000 | 319537.6 | 135573.6 | 183122.1 | S |
| 167.933 | 0.0000 | 0.0000 | 82.143 | 0.01743 | 0.00000 | 319537.6 | 135574.1 | 183122.1 | S |
| 167.942 | 0.0000 | 0.0000 | 82.143 | 0.01743 | 0.00000 | 319537.6 | 135574.6 | 183122.1 | S |
| 167.950 | 0.0000 | 0.0000 | 82.143 | 0.01743 | 0.00000 | 319537.6 | 135575.1 | 183122.1 | S |
| 167.958 | 0.0000 | 0.0000 | 82.143 | 0.01743 | 0.00000 | 319537.6 | 135575.6 | 183122.1 | S |
| 167.967 | 0.0000 | 0.0000 | 82.143 | 0.01743 | 0.00000 | 319537.6 | 135576.2 | 183122.1 | S |
| 167.975 | 0.0000 | 0.0000 | 82.143 | 0.01743 | 0.00000 | 319537.6 | 135576.7 | 183122.1 | S |
| 167.983 | 0.0000 | 0.0000 | 82.142 | 0.01742 | 0.00000 | 319537.6 | 135577.2 | 183122.1 | S |
| 167.992 | 0.0000 | 0.0000 | 82.142 | 0.01742 | 0.00000 | 319537.6 | 135577.7 | 183122.1 | S |
| 168.000 | 0.0000 | 0.0000 | 82.142 | 0.01742 | 0.00000 | 319537.6 | 135578.3 | 183122.1 | S |
| 168.008 | 0.0000 | 0.0000 | 82.142 | 0.01742 | 0.00000 | 319537.6 | 135578.8 | 183122.1 | S |
| 168.017 | 0.0000 | 0.0000 | 82.142 | 0.01742 | 0.00000 | 319537.6 | 135579.3 | 183122.1 | S |
| 168.025 | 0.0000 | 0.0000 | 82.142 | 0.01742 | 0.00000 | 319537.6 | 135579.8 | 183122.1 | S |
| 168.033 | 0.0000 | 0.0000 | 82.142 | 0.01741 | 0.00000 | 319537.6 | 135580.3 | 183122.1 | S |
| 168.042 | 0.0000 | 0.0000 | 82.142 | 0.01741 | 0.00000 | 319537.6 | 135580.9 | 183122.1 | S |
| 168.050 | 0.0000 | 0.0000 | 82.142 | 0.01741 | 0.00000 | 319537.6 | 135581.4 | 183122.1 | S |
| 168.058 | 0.0000 | 0.0000 | 82.142 | 0.01741 | 0.00000 | 319537.6 | 135581.9 | 183122.1 | S |
| 168.067 | 0.0000 | 0.0000 | 82.142 | 0.01741 | 0.00000 | 319537.6 | 135582.4 | 183122.1 | S |
| 168.075 | 0.0000 | 0.0000 | 82.142 | 0.01741 | 0.00000 | 319537.6 | 135583.0 | 183122.1 | S |
| 168.083 | 0.0000 | 0.0000 | 82.141 | 0.01740 | 0.00000 | 319537.6 | 135583.5 | 183122.1 | S |
| 168.092 | 0.0000 | 0.0000 | 82.141 | 0.01740 | 0.00000 | 319537.6 | 135584.0 | 183122.1 | S |
| 168.100 | 0.0000 | 0.0000 | 82.141 | 0.01740 | 0.00000 | 319537.6 | 135584.5 | 183122.1 | S |
| 168.108 | 0.0000 | 0.0000 | 82.141 | 0.01740 | 0.00000 | 319537.6 | 135585.0 | 183122.1 | S |
| 168.117 | 0.0000 | 0.0000 | 82.141 | 0.01740 | 0.00000 | 319537.6 | 135585.6 | 183122.1 | S |
| 168.125 | 0.0000 | 0.0000 | 82.141 | 0.01740 | 0.00000 | 319537.6 | 135586.1 | 183122.1 | S |
| 168.133 | 0.0000 | 0.0000 | 82.141 | 0.01739 | 0.00000 | 319537.6 | 135586.6 | $\dagger 83122.1$ | S |
| 168.142 | 0.0000 | 0.0000 | 82.141 | 0.01739 | 0.00000 | 319537.6 | 135587.1 | 183122.1 | S |
| 168.150 | 0.0000 | 0.0000 | 82.141 | 0.01739 | 0.00000 | 319537.6 | 135587.7 | 183122.1 | S |
| 168.158 | 0.0000 | 0.0000 | 82.141 | 0.01739 | 0.00000 | 319537.6 | 135588.2 | 183122.1 | S |
| 168.167 | 0.0000 | 0.0000 | 82.141 | 0.01739 | 0.00000 | 319537.6 | 135588.7 | 183122.1 | S |
| 168.175 | 0.0000 | 0.0000 | 82.140 | 0.01739 | 0.00000 | 319537.6 | 135589.2 | 183122.1 | S |
| 168.183 | 0.0000 | 0.0000 | 82.140 | 0.01739 | 0.00000 | 319537.6 | 135589.8 | 183122.1 | S |
| 168.192 | 0.0000 | 0.0000 | 82.140 | 0.01738 | 0.00000 | 319537.6 | 135590.3 | 183122.1 | S |
| 168.200 | 0.0000 | 0.0000 | 82.140 | 0.01738 | 0.00000 | 319537.6 | 135590.8 | 183122.4 | S |
| 168.208 | 0.0000 | 0.0000 | 82.140 | 0.01738 | 0.00000 | 319537.6 | 135591.3 | 183122.1 | S |
| 168.217 | 0.0000 | 0.0000 | 82.140 | 0.01738 | 0.00000 | 319537.6 | 135591.8 | 183122.1 | S |
| 168.225 | 0.0000 | 0.0000 | 82.140 | 0.01738 | 0.00000 | 319537.6 | 135592.4 | 183122.1 | S |
| 168.233 | 0.0000 | 0.0000 | 82.140 | 0.01738 | 0.00000 | 319537.6 | 135592.9 | 183122.1 | S |
| 168.242 | 0.0000 | 0.0000 | 82.140 | 0.01737 | 0.00000 | 319537.6 | 135593.4 | 183122.1 | S |
| 168.250 | 0.0000 | 0.0000 | 82.140 | 0.01737 | 0.00000 | 319537.6 | 135593.9 | 183122.1 | S |
| 168.258 | 0.0000 | 0.0000 | 82.140 | 0.01737 | 0.00000 | 319537.6 | 135594.4 | 183122.1 | S |
| 168.267 | 0.0000 | 0.0000 | 82.140 | 0.01737 | 0.00000 | 319537.6 | 135595.0 | 183122.1 | S |
| 168.275 | 0.0000 | 0.0000 | 82.139 | 0.01737 | 0.00000 | 319537.6 | 135595.5 | 183122.1 | S |
| 168.283 | 0.0000 | 0.0000 | 82.139 | 0.01737 | 0.00000 | 319537.6 | 135596.0 | 183122.1 | S |
| 168.292 | 0.0000 | 0.0000 | 82.139 | 0.01736 | 0.00000 | 319537.6 | 135596.5 | 183122.1 | S |
| 168.300 | 0.0000 | 0.0000 | 82.139 | 0.01736 | 0.00000 | 319537.6 | 135597.0 | 183122.1 | S |
| 168.308 | 0.0000 | 0.0000 | 82.139 | 0.01736 | 0.00000 | 319537.6 | 135597.6 | 183122.1 | S |
| 168.317 | 0.0000 | 0.0000 | 82.139 | 0.01736 | 0.00000 | 319537.6 | 135598.1 | 183122.1 | S |
| 168.325 | 0.0000 | 0.0000 | 82.139 | 0.01736 | 0.00000 | 319537.6 | 135598.6 | 183122.1 | S |
| 168.333 | 0.0000 | 0.0000 | 82.139 | 0.01736 | 0.00000 | 319537.6 | 135599.1 | 183122.1 | S |
| 168.342 | 0.0000 | 0.0000 | 82.139 | 0.01735 | 0.00000 | 319537.6 | 135599.6 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate (ft ${ }^{3 / 5}$ ) | Overlow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 168.350 | 0.0000 | 0.0000 | 82.139 | 0.01735 | 0.00000 | 319537.6 | 135600.2 | 183122.1 | S |
| 168.358 | 0.0000 | 0.0000 | 82.139 | 0.01735 | 0.00000 | 319537.6 | 135600.7 | 183122.7 | S |
| 168.367 | 0.0000 | 0.0000 | 82.138 | 0.01735 | 0.00000 | 319537.6 | 135601.2 | 183122.1 | S |
| 168.375 | 0.0000 | 0.0000 | 82.138 | 0.01735 | 0.00000 | 319537.6 | 135601.7 | 183122.1 | S |
| 168.383 | 0.0000 | 0.0000 | 82.138 | 0.01735 | 0.00000 | 319537.6 | 135602.3 | 183122.1 | S |
| 168.392 | 0.0000 | 0.0000 | 82.138 | 0.01734 | 0.00000 | 319537.6 | 135602.8 | 183122.1 | S |
| 168.400 | 0.0000 | 0.0000 | 82.138 | 0.01734 | 0.00000 | 319537.6 | 135603.3 | 183122.1 | S |
| 168.408 | 0.0000 | 0.0000 | 82.138 | 0.01734 | 0.00000 | 319537.6 | 135603.8 | 183122.1 | S |
| 168.417 | 0.0000 | 0.0000 | 82.138 | 0.01734 | 0.00000 | 319537.6 | 135604.3 | 183122.1 | S |
| 168.425 | 0.0000 | 0.0000 | 82.138 | 0.01734 | 0.00000 | 319537.6 | 135604.8 | 183122.1 | S |
| 168.433 | 0.0000 | 0.0000 | 82.138 | 0.01734 | 0.00000 | 319537.6 | 135605.4 | 183122.1 | S |
| 168.442 | 0.0000 | 0.0000 | 82.138 | 0.01733 | 0.00000 | 319537.6 | 135605.9 | 183122.1 | S |
| 168.450 | 0.0000 | 0.0000 | 82.138 | 0.01733 | 0.00000 | 319537.6 | 135606.4 | 183122.1 | S |
| 168.458 | 0.0000 | 0.0000 | 82.138 | 0.01733 | 0.00000 | 319537.6 | 135606.9 | 183122.1 | S |
| 168.467 | 0.0000 | 0.0000 | 82.137 | 0.01733 | 0.00000 | 319537.6 | 135607.5 | 183122.1 | S |
| 168.475 | 0.0000 | 0.0000 | 82.137 | 0.01733 | 0.00000 | 319537.6 | 135608.0 | 183122.1 | S |
| 168.483 | 0.0000 | 0.0000 | 82.137 | 0.01733 | 0.00000 | 319537.6 | 135608.5 | 183122.1 | S |
| 168.492 | 0.0000 | 0.0000 | 82.137 | 0.01732 | 0.00000 | 319537.6 | 135609.0 | 183122.1 | S |
| 168.500 | 0.0000 | 0.0000 | 82.137 | 0.01732 | 0.00000 | 319537.6 | 135609.5 | 183122.1 | S |
| 168.508 | 0.0000 | 0.0000 | 82.137 | 0.01732 | 0.00000 | 319537.6 | 135610.0 | 183122.1 | S |
| 168.517 | 0.0000 | 0.0000 | 82.137 | 0.01732 | 0.00000 | 319537.6 | 135610.6 | 183122.1 | S |
| 168.525 | 0.0000 | 0.0000 | 82.137 | 0.01732 | 0.00000 | 319537.6 | 135611.1 | 183122.1 | S |
| 168.533 | 0.0000 | 0.0000 | 82.137 | 0.01732 | 0.00000 | 319537.6 | 135611.6 | 183122.1 | S |
| 168.542 | 0.0000 | 0.0000 | 82.137 | 0.01731 | 0.00000 | 319537.6 | 135612.1 | 183122.1 | S |
| 168.550 | 0.0000 | 0.0000 | 82.137 | 0.01731 | 0.00000 | 319537.6 | 135612.6 | 183122.1 | S |
| 168.558 | 0.0000 | 0.0000 | 82.136 | 0.01731 | 0.00000 | 319537.6 | 135613.2 | 183122.1 | S |
| 168.567 | 0.0000 | 0.0000 | 82.136 | 0.01731 | 0.00000 | 319537.6 | 135613.7 | 183122.4 | S |
| 168.575 | 0.0000 | 0.0000 | 82.136 | 0.01731 | 0.00000 | 319537.6 | 135614.2 | 183122.1 | S |
| 168.583 | 0.0000 | 0.0000 | 82.136 | 0.01731 | 0.00000 | 319537.6 | 135614.7 | 183122.1 | S |
| 168.592 | 0.0000 | 0.0000 | 82.136 | 0.01731 | 0.00000 | 319537.6 | 135615.3 | 183122.1 | S |
| 168.600 | 0.0000 | 0.0000 | 82.136 | 0.01730 | 0.00000 | 319537.6 | 135615.8 | 183122.1 | S |
| 168.608 | 0.0000 | 0.0000 | 82.136 | 0.01730 | 0.00000 | 319537.6 | 135616.3 | 183122.1 | S |
| 168.617 | 0.0000 | 0.0000 | 82.136 | 0.01730 | 0.00000 | 319537.6 | 135616.8 | 183122.1 | S |
| 168.625 | 0.0000 | 0.0000 | 82.136 | 0.01730 | 0.00000 | 319537.6 | 135617.3 | 183122.1 | S |
| 168.633 | 0.0000 | 0.0000 | 82.136 | 0.01730 | 0.00000 | 319537.6 | 135617.8 | 183122.1 | S |
| 168.642 | 0.0000 | 0.0000 | 82.136 | 0.01730 | 0.00000 | 319537.6 | 135618.4 | 183122.1 | S |
| 168.650 | 0.0000 | 0.0000 | 82.136 | 0.01729 | 0.00000 | 319537.6 | 135618.9 | 183122.1 | S |
| 168.658 | 0.0000 | 0.0000 | 82.135 | 0.01729 | 0.00000 | 319537.6 | 135619.4 | 183122.1 | S |
| 168.667 | 0.0000 | 0.0000 | 82.135 | 0.01729 | 0.00000 | 319537.6 | 135619.9 | 183122.1 | S |
| 168.675 | 0.0000 | 0.0000 | 82.135 | 0.01729 | 0.00000 | 319537.6 | 135620.4 | 183122.1 | S |
| 168.683 | 0.0000 | 0.0000 | 82.135 | 0.01729 | 0.00000 | 319537.6 | 135621.0 | 183122.1 | S |
| 168.692 | 0.0000 | 0.0000 | 82.135 | 0.01729 | 0.00000 | 319537.6 | 135621.5 | 183122.1 | S |
| 168.700 | 0.0000 | 0.0000 | 82.135 | 0.01728 | 0.00000 | 319537.6 | 135622.0 | 183122.1 | S |
| 168.708 | 0.0000 | 0.0000 | 82.135 | 0.01728 | 0.00000 | 319537.6 | 135622.5 | 183122.1 | S |
| 168.717 | 0.0000 | 0.0000 | 82.135 | 0.01728 | 0.00000 | 319537.6 | 135623.0 | 183122.1 | S |
| 168.725 | 0.0000 | 0.0000 | 82.135 | 0.01728 | 0.00000 | 319537.6 | 135623.5 | 183122.1 | 5 |
| 168.733 | 0.0000 | 0.0000 | 82.135 | 0.01728 | 0.00000 | 319537.6 | 135624.1 | 183122.1 | S |
| 168.742 | 0.0000 | 0.0000 | 82.135 | 0.01728 | 0.00000 | 319537.6 | 135624.6 | 183122.1 | S |
| 168.750 | 0.0000 | 0.0000 | 82.134 | 0.01727 | 0.00000 | 319537.6 | 135625.1 | 183122.1 | S |
| 168.758 | 0.0000 | 0.0000 | 82.134 | 0.01727 | 0.00000 | 319537.6 | 135625.6 | 183122.1 | S |
| 168.767 | 0.0000 | 0.0000 | 82.134 | 0.01727 | 0.00000 | 319537.6 | 135626.1 | 183122.1 | S |
| 168.775 | 0.0000 | 0.0000 | 82.134 | 0.01727 | 0.00000 | 319537.6 | 135626.7 | 183122.1 | S |
| 168.783 | 0.0000 | 0.0000 | 82.134 | 0.01727 | 0.00000 | 319537.6 | 135627.2 | 183122.1 | S |
| 168.792 | 0.0000 | 0.0000 | 82.134 | 0.01727 | 0.00000 | 319537.6 | 135627.7 | 183122.1 | S |
| 168.800 | 0.0000 | 0.0000 | 82.134 | 0.01726 | 0.00000 | 319537.6 | 135628.2 | 183122.1 | S |
| 168.808 | 0.0000 | 0.0000 | 82.134 | 0.01726 | 0.00000 | 319537.6 | 135628.7 | 183122.1 | S |
| 168.817 | 0.0000 | 0.0000 | 82.134 | 0.01726 | 0.00000 | 319537.6 | 135629.3 | 183122.1 | S |
| 168.825 | 0.0000 | 0.0000 | 82.134 | 0.01726 | 0.00000 | 319537.6 | 135629.8 | 183122.1 | S |
| 168.833 | 0.0000 | 0.0000 | 82.134 | 0.01726 | 0.00000 | 319537.6 | 135630.3 | 183122.1 | S |
| 168.842 | 0.0000 | 0.0000 | 82.134 | 0.01726 | 0.00000 | 319537.6 | 135630.8 | 183122.1 | S |
| 168.850 | 0.0000 | 0.0000 | 82.133 | 0.01725 | 0.00000 | 319537.6 | 135631.3 | 183122.1 | S |
| 168.858 | 0.0000 | 0.0000 | 82.133 | 0.01725 | 0.00000 | 319537.6 | 135631.8 | 183122.1 | S |
| 168.867 | 0.0000 | 0.0000 | 82.133 | 0.01725 | 0.00000 | 319537.6 | 135632.3 | 183122.1 | S |
| 168.875 | 0.0000 | 0.0000 | 82.133 | 0.01725 | 0.00000 | 319537.6 | 135632.9 | 183122.1 | S |
| 168.883 | 0.0000 | 0.0000 | 82.133 | 0.01725 | 0.00000 | 319537.6 | 135633.4 | 183122.1 | S |
| 168.892 | 0.0000 | 0.0000 | 82.133 | 0.01725 | 0.00000 | 319537.6 | 135633.9 | 183122.1 | S |
| 168.900 | 0.0000 | 0.0000 | 82.133 | 0.01725 | 0.00000 | 319537.6 | 135634.4 | 183122.1 | S |
| 168.908 | 0.0000 | 0.0000 | 82.133 | 0.01724 | 0.00000 | 319537.6 | 135634.9 | 183122.1 | S |
| 168.917 | 0.0000 | 0.0000 | 82.133 | 0.01724 | 0.00000 | 319537.6 | 135635.5 | 183122.1 | S |
| 168.925 | 0.0000 | 0.0000 | 82.133 | 0.01724 | 0.00000 | 319537.6 | 135636.0 | 183122.1 | S |
| 168.933 | 0.0000 | 0.0000 | 82.133 | 0.01724 | 0.00000 | 319537.6 | 135636.5 | 183122.1 | S |
| 168.942 | 0.0000 | 0.0000 | 82.133 | 0.01724 | 0.00000 | 319537.6 | 135637.0 | 183122.1 | S |
| 168.950 | 0.0000 | 0.0000 | 82.132 | 0.01724 | 0.00000 | 319537.6 | 135637.5 | 183122.1 | S |
| 168.958 | 0.0000 | 0.0000 | 82.132 | 0.01723 | 0.00000 | 319537.6 | 135638.0 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (fUday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{H} 3 / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 168.967 | 0.0000 | 0.0000 | 82.132 | 0.01723 | 0.00000 | 319537.6 | 135638.6 | 183122.1 | S |
| 168.975 | 0.0000 | 0.0000 | 82.132 | 0.01723 | 0.00000 | 319537.6 | 135639.1 | 183122.1 | S |
| 168.983 | 0.0000 | 0.0000 | 82.132 | 0.01723 | 0.00000 | 319537.6 | 135639.6 | 183122.1 | S |
| 168.992 | 0.0000 | 0.0000 | 82.132 | 0.01723 | 0.00000 | 319537.6 | 135640.1 | 183122.1 | S |
| 169.000 | 0.0000 | 0.0000 | 82.132 | 0.01723 | 0.00000 | 319537.6 | 135640.6 | 183122.1 | S |
| 169.008 | 0.0000 | 0.0000 | 82.132 | 0.01722 | 0.00000 | 319537.6 | 135641.1 | 183122.1 | S |
| 169.017 | 0.0000 | 0.0000 | 82.132 | 0.07722 | 0.00000 | 319537.6 | 135641.7 | 183122.1 | S |
| 169.025 | 0.0000 | 0.0000 | 82.132 | 0.01722 | 0.00000 | 319537.6 | 135642.2 | 183122.1 | S |
| 169.033 | 0.0000 | 0.0000 | 82.132 | 0.01722 | 0.00000 | 319537.6 | 135642.7 | 183122.1 | S |
| 169.042 | 0.0000 | 0.0000 | 82.131 | 0.01722 | 0.00000 | 319537.6 | 135643.2 | 183122.1 | S |
| 169.050 | 0.0000 | 0.0000 | 82.131 | 0.01722 | 0.00000 | 319537.6 | 135643.7 | 183122.1 | S |
| 169.058 | 0.0000 | 0.0000 | 82.131 | 0.01721 | 0.00000 | 319537.6 | 135644.2 | 183122.1 | S |
| 169.067 | 0.0000 | 0.0000 | 82.131 | 0.01721 | 0.00000 | 319537.6 | 135644.8 | 183122.1 | S |
| 169.075 | 0.0000 | 0.0000 | 82.131 | 0.01721 | 0.00000 | 319537.6 | 135645.3 | 183122.1 | S |
| 169.083 | 0.0000 | 0.0000 | 82.131 | 0.01721 | 0.00000 | 319537.6 | 135645.8 | 183122.1 | S |
| 169.092 | 0.0000 | 0.0000 | 82.131 | 0.01721 | 0.00000 | 319537.6 | 135646.3 | 183122.1 | S |
| 169.100 | 0.0000 | 0.0000 | 82.131 | 0.01721 | 0.00000 | 319537.6 | 135646.8 | 183122.1 | S |
| 169.108 | 0.0000 | 0.0000 | 82.131 | 0.01720 | 0.00000 | 319537.6 | 135647.3 | 183122.1 | S |
| 169.117 | 0.0000 | 0.0000 | 82.131 | 0.01720 | 0.00000 | 319537.6 | 135647.9 | 183122.1 | S |
| 169.125 | 0.0000 | 0.0000 | 82.131 | 0.01720 | 0.00000 | 319537.6 | 135648.4 | 183122.1 | S |
| 169.133 | 0.0000 | 0.0000 | 82.131 | 0.01720 | 0.00000 | 319537.6 | 135648.9 | 183122.1 | S |
| 169.142 | 0.0000 | 0.0000 | 82.130 | 0.01720 | 0.00000 | 319537.6 | 135649.4 | 183122.1 | S |
| 169.150 | 0.0000 | 0.0000 | 82.130 | 0.01720 | 0.00000 | 319537.6 | 135649.9 | 183122.1 | S |
| 169.158 | 0.0000 | 0.0000 | 82.130 | 0.01719 | 0.00000 | 319537.6 | 135650.4 | 183122.1 | S |
| 169.167 | 0.0000 | 0.0000 | 82.130 | 0.01719 | 0.00000 | 319537.6 | 135651.0 | 183122.1 | S |
| 169.175 | 0.0000 | 0.0000 | 82.130 | 0.01719 | 0.00000 | 319537.6 | 135651.5 | 183122.1 | S |
| 169.183 | 0.0000 | 0.0000 | 82.130 | $0.017 \ddagger 9$ | 0.00000 | 319537.6 | 135652.0 | 183122.1 | S |
| 169.192 | 0.0000 | 0.0000 | 82.130 | 0.01719 | 0.00000 | 319537.6 | 135652.5 | 18312 | S |
| 169.200 | 0.0000 | 0.0000 | 82.130 | 0.01719 | 0.00000 | 319537.6 | 135653.0 | 183122.1 | S |
| 169.208 | 0.0000 | 0.0000 | 82.130 | 0.01719 | 0.00000 | 319537.6 | 135653.5 | 183122.1 | S |
| 169.217 | 0.0000 | 0.0000 | 82.130 | 0.01718 | 0.00000 | 319537.6 | 135654.0 | 183122.1 | S |
| 169.225 | 0.0000 | 0.0000 | 82.130 | 0.01718 | 0.00000 | 319537.6 | 135654.6 | 183122.1 | S |
| 169.233 | 0.0000 | 0.0000 | 82.129 | 0.01718 | 0.00000 | 319537.6 | 135655.1 | 183122.1 | S |
| 169.242 | 0.0000 | 0.0000 | 82.129 | 0.01718 | 0.00000 | 319537.6 | 135655.6 | 183122.1 | S |
| 169.250 | 0.0000 | 0.0000 | 82.129 | 0.01718 | 0.00000 | 319537.6 | 135656.1 | 183122.1 | S |
| 169.258 | 0.0000 | 0.0000 | 82.129 | 0.01718 | 0.00000 | 319537.6 | 135656.6 | 183122.1 | S |
| 169.267 | 0.0000 | 0.0000 | 82.129 | 0.01717 | 0.00000 | 319537.6 | 135657.1 | 183122.1 | S |
| 169.275 | 0.0000 | 0.0000 | 82.129 | 0.01717 | 0.00000 | 319537.6 | 135657.7 | 183122.1 | S |
| 169.283 | 0.0000 | 0.0000 | 82.129 | 0.01717 | 0.00000 | 319537.6 | 135658.2 | 183122.1 | S |
| 169.292 | 0.0000 | 0.0000 | 82.129 | 0.01717 | 0.00000 | 319537.6 | 135658.7 | 183122.1 | S |
| 169,300 | 0.0000 | 0.0000 | 82.129 | 0.01717 | 0.00000 | 319537.6 | 135659.2 | 183122.1 | S |
| 169.308 | 0.0000 | 0.0000 | 82.129 | 0.01717 | 0.00000 | 319537.6 | 135659.7 | 183122.1 | S |
| 169.317 | 0.0000 | 0.0000 | 82.129 | 0.01716 | 0.00000 | 319537.6 | 135660.2 | 183122.1 | S |
| 169.325 | 0.0000 | 0.0000 | 82.129 | 0.01716 | 0.00000 | 319537.6 | 135660.7 | 183122.1 | S |
| 169.333 | 0.0000 | 0.0000 | 82.128 | 0.01716 | 0.00000 | 319537.6 | 135661.3 | 183122.1 | S |
| 169.342 | 0.0000 | 0.0000 | 82.128 | 0.01716 | 0.00000 | 319537.6 | 135661.8 | 183122.1 | S |
| 169.350 | 0.0000 | 0.0000 | 82.128 | 0.01716 | 0.00000 | 319537.6 | 135662.3 | 183122.1 | S |
| 169.358 | 0.0000 | 0.0000 | 82.128 | 0.01716 | 0.00000 | 319537.6 | 135662.8 | 183122.1 | S |
| 169.367 | 0.0000 | 0.0000 | 82.128 | 0.01715 | 0.00000 | 319537.6 | 135663.3 | 183122.1 | S |
| 169.375 | 0.0000 | 0.0000 | 82.128 | 0.01715 | 0.00000 | 319537.6 | 135663.8 | 183122.1 | S |
| 169.383 | 0.0000 | 0.0000 | 82.128 | 0.01715 | 0.00000 | 319537.6 | 135664.3 | 183122.1 | S |
| 169.392 | 0.0000 | 0.0000 | 82.128 | 0.01715 | 0.00000 | 319537.6 | 135664.9 | 183122.1 | S |
| 169.400 | 0.0000 | 0.0000 | 82.128 | 0.01715 | 0.00000 | 319537.6 | 135665.4 | 183122.1 | S |
| 169.408 | 0.0000 | 0.0000 | 82.128 | 0.01715 | 0.00000 | 319537.6 | 135665.9 | 183122.1 | S |
| 169.417 | 0.0000 | 0.0000 | 82.128 | 0.01715 | 0.00000 | 319537.6 | 135666.4 | 183122.1 | S |
| 169.425 | 0.0000 | 0.0000 | 82.127 | 0.01714 | 0.00000 | 319537.6 | 135666.9 | $\uparrow 83122.1$ | S |
| 169.433 | 0.0000 | 0.0000 | 82.127 | 0.01714 | 0.00000 | 319537.6 | 135667.4 | 183122.1 | S |
| 169.442 | 0.0000 | 0.0000 | 82.127 | 0.01714 | 0.00000 | 319537.6 | 135667.9 | 183122.1 | S |
| 169.450 | 0.0000 | 0.0000 | 82.127 | 0.01714 | 0.00000 | 319537.6 | 135668.5 | 183122.1 | S |
| 169.458 | 0.0000 | 0.0000 | 82.127 | 0.01714 | 0.00000 | 319537.6 | 135669.0 | 183122.1 | S |
| 169.467 | 0.0000 | 0.0000 | 82.127 | 0.01714 | 0.00000 | 319537.6 | 135669.5 | 183122.1 | S |
| 169.475 | 0.0000 | 0.0000 | 82.127 | 0.01713 | 0.00000 | 319537.6 | 135670.0 | 183122.1 | S |
| 169.483 | 0.0000 | 0.0000 | 82.127 | 0.01713 | 0.00000 | 319537.6 | 135670.5 | 183122.1 | S |
| 169.492 | 0.0000 | 0.0000 | 82.127 | 0.01713 | 0.00000 | 319537.6 | 135671.0 | 183122.1 | S |
| 169.500 | 0.0000 | 0.0000 | 82.127 | 0.01713 | 0.00000 | 319537.6 | 135671.5 | 183122.1 | S |
| 169.508 | 0.0000 | 0.0000 | 82.127 | 0.01713 | 0.00000 | 319537.6 | 135672.1 | 183122.1 | S |
| 169.517 | 0.0000 | 0.0000 | 82.127 | 0.01713 | 0.00000 | 319537.6 | 135672.6 | 183122.1 | S |
| 169.525 | 0.0000 | 0.0000 | 82.126 | 0.01712 | 0.00000 | 319537.6 | 135673.1 | 183122.1 | S |
| 169.533 | 0.0000 | 0.0000 | 82.126 | 0.01712 | 0.00000 | 319537.6 | 135673.6 | 183122.1 | S |
| 169.542 | 0.0000 | 0.0000 | 82.126 | 0.01712 | 0.00000 | 319537.6 | 135674.1 | 183122.1 | S |
| 169.550 | 0.0000 | 0.0000 | 82.126 | 0.01712 | 0.00000 | 319537.6 | 135674.6 | 183122.1 | S |
| 169.558 | 0.0000 | 0.0000 | 82.126 | 0.01712 | 0.00000 | 319537.6 | 135675.1 | 183122.1 | S |
| 169.567 | 0.0000 | 0.0000 | 82.126 | 0.01712 | 0.00000 | 319537.6 | 135675.7 | 183122.1 | S |
| 169.575 | 0.0000 | 0.0000 | 82.126 | 0.01711 | 0.00000 | 319537.6 | 135676.2 | 183122.1 | S |

# PONDS Version 3.2.0207 

Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infillration Rate (fi³/s) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 169.583 | 0.0000 | 0.0000 | 82.126 | 0.01711 | 0.00000 | 319537.6 | 135676.7 | 183122.1 | S |
| 169.592 | 0.0000 | 0.0000 | 82.126 | 0.01711 | 0.00000 | 319537.6 | 135677.2 | 183122.1 | S |
| 169.600 | 0.0000 | 0.0000 | 82.126 | 0.01711 | 0.00000 | 319537.6 | 135677.7 | 183122.1 | S |
| 169.608 | 0.0000 | 0.0000 | 82.126 | 0.01711 | 0.00000 | 319537.6 | 135678.2 | 183122.1 | S |
| 169.617 | 0.0000 | 0.0000 | 82.126 | 0.01711 | 0.00000 | 319537.6 | 135678.7 | 183122.1 | S |
| 169.625 | 0.0000 | 0.0000 | 82.125 | 0.01711 | 0.00000 | 319537.6 | 135679.3 | 183122.1 | S |
| 169.633 | 0.0000 | 0.0000 | 82.125 | 0.01710 | 0.00000 | 319537.6 | 135679.8 | 183122.1 | S |
| 169.642 | 0.0000 | 0.0000 | 82.125 | 0.01710 | 0.00000 | 319537.6 | 135680.3 | 183122.1 | S |
| 169.650 | 0.0000 | 0.0000 | 82.125 | 0.01710 | 0.00000 | 319537.6 | 135680.8 | 183122.1 | S |
| 169.658 | 0.0000 | 0.0000 | 82.125 | 0.01710 | 0.00000 | 319537.6 | 135681.3 | 183122.1 | S |
| 169.667 | 0.0000 | 0.0000 | 82.125 | 0.01710 | 0.00000 | 319537.6 | 135681.8 | 183122.1 | S |
| 169.675 | 0.0000 | 0.0000 | 82.125 | 0.01710 | 0.00000 | 319537.6 | 135682.3 | 183122.1 | S |
| 169.683 | 0.0000 | 0.0000 | 82.125 | 0.01709 | 0.00000 | 319537.6 | 135682.8 | 183122.1 | S |
| 169.692 | 0.0000 | 0.0000 | 82.125 | 0.01709 | 0.00000 | 319537.6 | 135683.3 | 183122.1 | S |
| 169.700 | 0.0000 | 0.0000 | 82.125 | 0.01709 | 0.00000 | 319537.6 | 135683.9 | 183122.1 | S |
| 169.708 | 0.0000 | 0.0000 | 82.125 | 0.01709 | 0.00000 | 319537.6 | 135684.4 | 183122.1 | 5 |
| 169.717 | 0.0000 | 0.0000 | 82.124 | 0.01709 | 0.00000 | 319537.6 | 135684.9 | 183122.1 | S |
| 169.725 | 0.0000 | 0.0000 | 82.124 | 0.01709 | 0.00000 | 319537.6 | 135685.4 | 83122.1 | S |
| 169.733 | 0.0000 | 0.0000 | 82.124 | 0.01708 | 0.00000 | 319537.6 | 135685.9 | 183122.1 | S |
| 169.742 | 0.0000 | 0.0000 | 82.124 | 0.01708 | 0.00000 | 319537.6 | 135686.4 | 183122.1 | S |
| 169.750 | 0.0000 | 0.0000 | 82.124 | 0.01708 | 0.00000 | 319537.6 | 135686.9 | 183122.1 | S |
| 169.758 | 0.0000 | 0.0000 | 82.124 | 0.01708 | 0.00000 | 319537.6 | 135687.5 | 183 | S |
| 169.767 | 0.0000 | 0.0000 | 82.124 | 0.01708 | 0.00000 | 319537.6 | 135688.0 | 183122.1 | S |
| 169.775 | 0.0000 | 0.0000 | 82.124 | 0.01708 | 0.00000 | 319537.6 | 135688.5 | 183122.1 | S |
| 169.783 | 0.0000 | 0.0000 | 82.124 | 0.01707 | 0.00000 | 319537.6 | 135689.0 | 183122.1 | S |
| 169.792 | 0.0000 | 0.0000 | 82.124 | 0.01707 | 0.00000 | 319537.6 | 135689.5 | 183122.1 | S |
| 169.800 | 0.0000 | 0.0000 | 82.124 | 0.01707 | 0.00000 | 319537.6 | 135690.0 | 183122.1 | S |
| 169.808 | 0.0000 | 0.0000 | 82.124 | 0.01707 | 0.00000 | 319537.6 | 135690.5 | 183122.1 | S |
| 169.817 | 0.0000 | 0.0000 | 82.123 | 0.01707 | 0.00000 | 319537.6 | 135691.0 | 183122.1 | S |
| 169.825 | 0.0000 | 0.0000 | 82.123 | 0.01707 | 0.00000 | 319537.6 | 135691.5 | 183122.1 | S |
| 169.833 | 0.0000 | 0.0000 | 82.123 | 0.01707 | 0.00000 | 319537.6 | 135692.1 | 183122.1 | S |
| 169.842 | 0.0000 | 0.0000 | 82.123 | 0.01706 | 0.00000 | 319537.6 | 135692.6 | 18312 | S |
| 169.850 | 0.0000 | 0.0000 | 82.123 | 0.01706 | 0.00000 | 319537.6 | 135693.1 | 183122.1 | S |
| 169.858 | 0.0000 | 0.0000 | 82.123 | 0.01706 | 0.00000 | 319537.6 | 135693.6 | 183122.1 | S |
| 169.867 | 0.0000 | 0.0000 | 82.123 | 0.01706 | 0.00000 | 319537.6 | 135694.1 | 183122.1 | S |
| 169.875 | 0.0000 | 0.0000 | 82.123 | 0.01706 | 0.00000 | 319537.6 | 135694.6 | 183122.1 | S |
| 169.883 | 0.0000 | 0.0000 | 82.123 | 0.01706 | 0.00000 | 319537.6 | 135695.1 | 183122.1 | S |
| 169.892 | 0.0000 | 0.0000 | 82.123 | 0.01705 | 0.00000 | 319537.6 | 135695.6 | 183122.1 | S |
| 169.900 | 0.0000 | 0.0000 | 82.123 | 0.01705 | 0.00000 | 319537.6 | 135696.2 | 183122.1 | S |
| 169.908 | 0.0000 | 0.0000 | 82.123 | 0.01705 | 0.00000 | 319537.6 | 135696.7 | 183122.1 | S |
| 169.917 | 0.0000 | 0.0000 | 82.122 | 0.01705 | 0.00000 | 319537.6 | 135697.2 | 183122.1 | S |
| 169.925 | 0.0000 | 0.0000 | 82.122 | 0.01705 | 0.00000 | 319537.6 | 135697.7 | 183122.1 | S |
| 169.933 | 0.0000 | 0.0000 | 82.122 | 0.01705 | 0.00000 | 319537.6 | 135698.2 | 183122.1 | S |
| 169.942 | 0.0000 | 0.0000 | 82.122 | 0.01704 | 0.00000 | 319537.6 | 135698.7 | 183122.1 | S |
| 169.950 | 0.0000 | 0.0000 | 82.122 | 0.01704 | 0.00000 | 319537.6 | 135699.2 | 183122.1 | S |
| 169.958 | 0.0000 | 0.0000 | 82.122 | 0.01704 | 0.00000 | 319537.6 | 135699.7 | 183122.1 | S |
| 169,967 | 0.0000 | 0.0000 | 82.122 | 0.01704 | 0.00000 | 319537.6 | 135700.3 | 183122.1 | S |
| 169.975 | 0.0000 | 0.0000 | 82.122 | 0.01704 | 0.00000 | 319537.6 | 135700.8 | 183122.1 | S |
| 169.983 | 0.0000 | 0.0000 | 82.122 | 0.01704 | 0.00000 | 319537.6 | 135701.3 | 183122.1 | S |
| 169.992 | 0.0000 | 0.0000 | 82.122 | 0.01703 | 0.00000 | 319537.6 | 135701.8 | 183122.1 | S |
| 170.000 | 0.0000 | 0.0000 | 82.122 | 0.01703 | 0.00000 | 319537.6 | 135702.3 | 183122.1 | S |
| 170.008 | 0.0000 | 0.0000 | 82.121 | 0.01703 | 0.00000 | 319537.6 | 135702.8 | 183122.1 | S |
| 170.017 | 0.0000 | 0.0000 | 82.121 | 0.01703 | 0.00000 | 319537.6 | 135703.3 | 183122.1 | S |
| 170.025 | 0.0000 | 0.0000 | 82.121 | 0.04703 | 0.00000 | 319537.6 | 135703.8 | 183122.1 | S |
| 170.033 | 0.0000 | 0.0000 | 82.121 | 0.01703 | 0.00000 | 319537.6 | 135704.3 | 183122.1 | S |
| 170.042 | 0.0000 | 0.0000 | 82.121 | 0.01703 | 0.00000 | 319537.6 | 135704.8 | 183122.1 | S |
| 170.050 | 0.0000 | 0.0000 | 82.121 | 0.01702 | 0.00000 | 319537.6 | 135705.4 | 183122.1 | S |
| 170.058 | 0.0000 | 0.0000 | 82.121 | 0.01702 | 0.00000 | 319537.6 | 135705.9 | 183122.1 | S |
| 170.067 | 0.0000 | 0.0000 | 82.121 | 0.01702 | 0.00000 | 319537.6 | 135706.4 | 183122.1 | S |
| 170.075 | 0.0000 | 0.0000 | 82.121 | 0.01702 | 0.00000 | 319537.6 | 135706.9 | 183122.1 | S |
| 170.083 | 0.0000 | 0.0000 | 82.121 | 0.01702 | 0.00000 | 319537.6 | 135707.4 | 183122.1 | S |
| 170.092 | 0.0000 | 0.0000 | 82.121 | 0.01702 | 0.00000 | 319537.6 | 135707.9 | 183122.1 | S |
| 170.100 | 0.0000 | 0.0000 | 82.121 | 0.01701 | 0.00000 | 319537.6 | 135708.4 | 183122.1 | S |
| 170.108 | 0.0000 | 0.0000 | 82.120 | 0.01701 | 0.00000 | 319537.6 | 135708.9 | 183122.1 | S |
| 170.117 | 0.0000 | 0.0000 | 82.120 | 0.01701 | 0.00000 | 319537.6 | 135709.4 | 183122.1 | S |
| 170.125 | 0.0000 | 0.0000 | 82.120 | 0.01701 | 0.00000 | 319537.6 | 135710.0 | 183122.1 | S |
| 170.133 | 0.0000 | 0.0000 | 82.120 | 0.01701 | 0.00000 | 319537.6 | 135710.5 | 183122.1 | S |
| 170.142 | 0.0000 | 0.0000 | 82.120 | 0.01701 | 0.00000 | 319537.6 | 135711.0 | 183122.1 | S |
| 170.150 | 0.0000 | 0.0000 | 82.120 | 0.01700 | 0.00000 | 319537.6 | 135711.5 | 183122.1 | S |
| 170.158 | 0.0000 | 0.0000 | 82.120 | 0.01700 | 0.00000 | 319537.6 | 135712.0 | 183122.1 | S |
| 170.167 | 0.0000 | 0.0000 | 82.120 | 0.01700 | 0.00000 | 319537.6 | 135712.5 | 183122.1 | S |
| 170.175 | 0.0000 | 0.0000 | 82.120 | 0.01700 | 0.00000 | 319537.6 | 135713.0 | 183122.1 | S |
| 170.183 | 0.0000 | 0.0000 | 82.120 | 0.01700 | 0.00000 | 319537.6 | 135713.5 | 183122.1 | S |
| 170.192 | 0.0000 | 0.0000 | 82.120 | 0.01700 | 0.00000 | 319537.6 | 135714.0 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | inflow Rate (f13/s) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / 1 / s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative infiltration Volume ( $f^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 170.200 | 0.0000 | 0.0000 | 82.120 | 0.01700 | 0.00000 | 319537.6 | 135714.5 | 183122.1 | S |
| 170.208 | 0.0000 | 0.0000 | 82.119 | 0.01699 | 0.00000 | 319537.6 | 135715.0 | 183122.1 | S |
| 170.217 | 0.0000 | 0.0000 | 82.119 | 0.01699 | 0.00000 | 319537.6 | 135715.6 | 183122.1 | S |
| 170.225 | 0.0000 | 0.0000 | 82.119 | 0.01699 | 0.00000 | 319537.6 | 135716.1 | 183122.1 | S |
| 170.233 | 0.0000 | 0.0000 | 82.119 | 0.01699 | 0.00000 | 319537.6 | 135716.6 | 183122.1 | S |
| 170.242 | 0.0000 | 0.0000 | 82.119 | 0.01699 | 0.00000 | 319537.6 | 135717.1 | 183122.1 | S |
| 170.250 | 0.0000 | 0.0000 | 82.119 | 0.01699 | 0.00000 | 319537.6 | 135717.6 | 183122.1 | S |
| 170.258 | 0.0000 | 0.0000 | 82.119 | 0.01698 | 0.00000 | 319537.6 | 135718.1 | 183122.1 | S |
| 170.267 | 0.0000 | 0.0000 | 82.119 | 0.01698 | 0.00000 | 319537.6 | 135718.6 | 183122.1 | S |
| 170.275 | 0.0000 | 0.0000 | 82.119 | 0.01698 | 0.00000 | 319537.6 | 135719.1 | 183122.1 | S |
| 170.283 | 0.0000 | 0.0000 | 82.119 | 0.01698 | 0.00000 | 319537.6 | 135719.6 | 183122.1 | S |
| 170.292 | 0.0000 | 0.0000 | 82.119 | 0.01698 | 0.00000 | 319537.6 | 135720.1 | 183122.1 | S |
| 170.300 | 0.0000 | 0.0000 | 82.119 | 0.01698 | 0.00000 | 319537.6 | 135720.7 | 183122.1 | S |
| 170.308 | 0.0000 | 0.0000 | 82.118 | 0.01697 | 0.00000 | 319537.6 | 135721.2 | 183122.1 | S |
| 170.317 | 0.0000 | 0.0000 | 82.118 | 0.01697 | 0.00000 | 319537.6 | 135721.7 | 183122.1 | S |
| 170.325 | 0.0000 | 0.0000 | 82.118 | 0.01697 | 0.00000 | 319537.6 | 135722.2 | 183122.1 | S |
| 170.333 | 0.0000 | 0.0000 | 82.118 | 0.01697 | 0.00000 | 319537.6 | 135722.7 | 183122.1 | S |
| 170.342 | 0.0000 | 0.0000 | 82.118 | 0.01697 | 0.00000 | 319537.6 | 135723.2 | 183122.1 | S |
| 170.350 | 0.0000 | 0.0000 | 82.118 | 0.01697 | 0.00000 | 319537.6 | 135723.7 | 183122.1 | S |
| 170.358 | 0.0000 | 0.0000 | 82.118 | 0.01697 | 0.00000 | 319537.6 | 135724.2 | 183122.1 | S |
| 170.367 | 0.0000 | 0.0000 | 82.118 | 0.01696 | 0.00000 | 319537.6 | 135724.7 | 183122.1 | S |
| 170.375 | 0.0000 | 0.0000 | 82.118 | 0.01696 | 0.00000 | 319537.6 | 135725.2 | 183122.1 | S |
| 470.383 | 0.0000 | 0.0000 | 82.118 | 0.01696 | 0.00000 | 319537.6 | 135725.8 | 183122.1 | S |
| 170.392 | 0.0000 | 0.0000 | 82.118 | 0.01696 | 0.00000 | 319537.6 | 135726.3 | 183122.1 | S |
| 170.400 | 0.0000 | 0.0000 | 82.117 | 0.01696 | 0.00000 | 319537.6 | 135726.8 | 183122.1 | S |
| 170.408 | 0.0000 | 0.0000 | 82.117 | 0.01696 | 0.00000 | 319537.6 | 135727.3 | 183122.1 | S |
| 170.417 | 0.0000 | 0.0000 | 82.117 | 0.01695 | 0.00000 | 319537.6 | 135727.8 | 183122.1 | S |
| 170.425 | 0.0000 | 0.0000 | 82.117 | 0.01695 | 0.00000 | 319537.6 | 135728.3 | 183122.1 | S |
| 170.433 | 0.0000 | 0.0000 | 82.117 | 0.01695 | 0.00000 | 319537.6 | 135728.8 | 183122.1 | S |
| 170.442 | 0.0000 | 0.0000 | 82.117 | 0.01695 | 0.00000 | 319537.6 | 135729.3 | 183122.1 | S |
| 170.450 | 0.0000 | 0.0000 | 82.117 | 0.01695 | 0.00000 | 319537.6 | 135729.8 | 183122.1 | S |
| 170.458 | 0.0000 | 0.0000 | 82.117 | 0.01695 | 0.00000 | 319537.6 | 135730.3 | 183122.1 | S |
| 170.467 | 0.0000 | 0.0000 | 82.117 | 0.01694 | 0.00000 | 319537.6 | 135730.8 | 183122.1 | S |
| 170.475 | 0.0000 | 0.0000 | 82.117 | 0.01694 | 0.00000 | 319537.6 | 135731.3 | 183122.1 | S |
| 170.483 | 0.0000 | 0.0000 | 82.117 | 0.01694 | 0.00000 | 319537.6 | 135731.8 | 183122.1 | S |
| 170.492 | 0.0000 | 0.0000 | 82.117 | 0.01694 | 0.00000 | 319537.6 | 135732.4 | 183122.1 | S |
| 170.500 | 0.0000 | 0.0000 | 82.116 | 0.01694 | 0.00000 | 319537.6 | 135732.9 | 183122.1 | S |
| 170.508 | 0.0000 | 0.0000 | 82.116 | 0.01694 | 0.00000 | 319537.6 | 135733.4 | 183122.1 | S |
| 170.517 | 0.0000 | 0.0000 | 82.116 | 0.01694 | 0.00000 | 319537.6 | 135733.9 | 183122.1 | S |
| 170.525 | 0.0000 | 0.0000 | 82.116 | 0.01693 | 0.00000 | 319537.6 | 135734.4 | 183122.1 | S |
| 170.533 | 0.0000 | 0.0000 | 82.116 | 0.01693 | 0.00000 | 319537.6 | 135734.9 | 183122.1 | S |
| 170.542 | 0.0000 | 0.0000 | 82.116 | 0.01693 | 0.00000 | 319537.6 | 135735.4 | 183122.1 | S |
| 170.550 | 0.0000 | 0.0000 | 82.116 | 0.01693 | 0.00000 | 319537.6 | 135735.9 | 183122.1 | S |
| 170.558 | 0.0000 | 0.0000 | 82.116 | 0.01693 | 0.00000 | 319537.6 | 135736.4 | 183122.1 | S |
| 170.567 | 0.0000 | 0.0000 | 82.116 | 0.01693 | 0.00000 | 319537.6 | 135736.9 | 183122.1 | S |
| 170.575 | 0.0000 | 0.0000 | 82.116 | 0.01692 | 0.00000 | 319537.6 | 135737.4 | 183122.1 | S |
| 170.583 | 0.0000 | 0.0000 | 82.116 | 0.01692 | 0.00000 | 319537.6 | 135737.9 | 183122.1 | S |
| 170.592 | 0.0000 | 0.0000 | 82.116 | 0.01692 | 0.00000 | 319537.6 | 135738.5 | 183122.1 | S |
| 170.600 | 0.0000 | 0.0000 | 82.115 | 0.01692 | 0.00000 | 319537.6 | 135739.0 | 183122.1 | S |
| \$70.608 | 0.0000 | 0.0000 | 82.115 | 0.01692 | 0.00000 | 319537.6 | 135739.5 | 183122.1 | S |
| 170.617 | 0.0000 | 0.0000 | 82.115 | 0.01692 | 0.00000 | 319537.6 | 135740.0 | 183122.1 | S |
| 170.625 | 0.0000 | 0.0000 | 82.115 | 0.01691 | 0.00000 | 319537.6 | 135740.5 | 183122.1 | S |
| 170.633 | 0.0000 | 0.0000 | 82.115 | 0.01691 | 0.00000 | 319537.6 | 135741.0 | 183122.1 | S |
| 170.642 | 0.0000 | 0.0000 | 82.115 | 0.01691 | 0.00000 | 319537.6 | 135741.5 | 183122.1 | S |
| 170.650 | 0.0000 | 0.0000 | 82.115 | 0.01691 | 0.00000 | 319537.6 | 135742.0 | 183122.1 | S |
| 170.658 | 0.0000 | 0.0000 | 82.115 | 0.01691 | 0.00000 | 319537.6 | 135742.5 | 183122.1 | S |
| 170.667 | 0.0000 | 0.0000 | 82.115 | 0.01691 | 0.00000 | 319537.6 | 135743.0 | 183122.1 | S |
| 170.675 | 0.0000 | 0.0000 | 82.115 | 0.01691 | 0.00000 | 319537.6 | 135743.5 | 183122.1 | S |
| 170.683 | 0.0000 | 0.0000 | 82.115 | 0.01690 | 0.00000 | 319537.6 | 135744.0 | 183122.1 | S |
| 170.692 | 0.0000 | 0.0000 | 82.114 | 0.01690 | 0.00000 | 319537.6 | 135744.5 | 183122.1 | S |
| 170.700 | 0.0000 | 0.0000 | 82.114 | 0.01690 | 0.00000 | 319537.6 | 135745.0 | 183122.1 | S |
| 170.708 | 0.0000 | 0.0000 | 82.114 | 0.01690 | 0.00000 | 319537.6 | 135745.5 | 183122.1 | S |
| 170.717 | 0.0000 | 0.0000 | 82.114 | 0.01690 | 0.00000 | 319537.6 | 135746.1 | 183122.1 | S |
| 170.725 | 0.0000 | 0.0000 | 82.114 | 0.01690 | 0.00000 | 319537.6 | 135746.6 | 183122.1 | S |
| 170.733 | 0.0000 | 0.0000 | 82.114 | 0.01689 | 0.00000 | 319537.6 | 135747.1 | 183122.1 | S |
| 170.742 | 0.0000 | 0.0000 | 82.114 | 0.01689 | 0.00000 | 319537.6 | 135747.6 | 183122.1 | S |
| 170.750 | 0.0000 | 0.0000 | 82.114 | 0.01689 | 0.00000 | 319537.6 | 135748.1 | 183122.9 | S |
| 170.758 | 0.0000 | 0.0000 | 82.114 | 0.01689 | 0.00000 | 319537.6 | 135748.6 | 183122.1 | S |
| 170.767 | 0.0000 | 0.0000 | 82.114 | 0.01689 | 0.00000 | 319537.6 | 135749.1 | 183122.1 | S |
| 170.775 | 0.0000 | 0.0000 | 82.114 | 0.01689 | 0.00000 | 319537.6 | 135749.6 | 183122.1 | S |
| 170.783 | 0.0000 | 0.0000 | 82.114 | 0.01688 | 0.00000 | 319537.6 | 135750.1 | 183122.1 | S |
| 170.792 | 0.0000 | 0.0000 | 82.113 | 0.01688 | 0.00000 | 319537.6 | 135750.6 | 183122.1 | S |
| 170.800 | 0.0000 | 0.0000 | 82.113 | 0.01688 | 0.00000 | 319537.6 | 135751.1 | 183122.1 | S |
| 170.808 | 0.0000 | 0.0000 | 82.113 | 0.01688 | 0.00000 | 319537.6 | 135751.6 | 183122.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{H}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 170.817 | 0.0000 | 0.0000 | 82.113 | 0.01688 | 0.00000 | 319537.6 | 135752.1 | 183122.1 | S |
| 170.825 | 0.0000 | 0.0000 | 82.113 | 0.01688 | 0.00000 | 319537.6 | 135752.6 | 183122.1 | S |
| 170.833 | 0.0000 | 0.0000 | 82.113 | 0.01688 | 0.00000 | 319537.6 | 135753.2 | 183122.1 | S |
| 170.842 | 0.0000 | 0.0000 | 82.113 | 0.01687 | 0.00000 | 319537.6 | 135753.7 | 183122.1 | S |
| 170.850 | 0.0000 | 0.0000 | 82.113 | 0.01687 | 0.00000 | 319537.6 | 135754.2 | 183122.1 | S |
| 170.858 | 0.0000 | 0.0000 | 82.113 | 0.01687 | 0.00000 | 319537.6 | 135754.7 | 183122.1 | S |
| 170.867 | 0.0000 | 0.0000 | 82.113 | 0.01687 | 0.00000 | 319537.6 | 135755.2 | 183122.1 | S |
| 170.875 | 0.0000 | 0.0000 | 82.113 | 0.01687 | 0.00000 | 319537.6 | 135755.7 | 183122.1 | S |
| 170.883 | 0.0000 | 0.0000 | 82.113 | 0.01687 | 0.00000 | 319537.6 | 135756.2 | 183122.1 | S |
| 170.892 | 0.0000 | 0.0000 | 82.112 | 0.01686 | 0.00000 | 319537.6 | 135756.7 | 183122.1 | S |
| 170.900 | 0.0000 | 0.0000 | 82.112 | 0.01686 | 0.00000 | 319537.6 | 135757.2 | 183122.1 | S |
| 170.908 | 0.0000 | 0.0000 | 82.112 | 0.01686 | 0.00000 | 319537.6 | 135757.7 | 183122.1 | S |
| 170.917 | 0.0000 | 0.0000 | 82.112 | 0.01686 | 0.00000 | 319537.6 | 135758.2 | 183122.1 | S |
| 170.925 | 0.0000 | 0.0000 | 82.112 | 0.01686 | 0.00000 | 319537.6 | 135758.7 | 183122.1 | S |
| 170.933 | 0.0000 | 0.0000 | 82.112 | 0.01686 | 0.00000 | 319537.6 | 135759.2 | 183122.1 | S |
| 170.942 | 0.0000 | 0.0000 | 82.112 | 0.01685 | 0.00000 | 319537.6 | 135759.7 | 183122.1 | S |
| 170.950 | 0.0000 | 0.0000 | 82.112 | 0.01685 | 0.00000 | 319537.6 | 135760.2 | 183122.1 | S |
| 170.958 | 0.0000 | 0.0000 | 82.112 | 0.01685 | 0.00000 | 319537.6 | 135760.7 | 183122.1 | S |
| 170.967 | 0.0000 | 0.0000 | 82.112 | 0.01685 | 0.00000 | 319537.6 | 135761.3 | 183122.1 | S |
| 170.975 | 0.0000 | 0.0000 | 82.112 | 0.01685 | 0.00000 | 319537.6 | 135761.8 | 183122.1 | S |
| 170.983 | 0.0000 | 0.0000 | 82.112 | 0.01685 | 0.00000 | 319537.6 | 135762.3 | 183122.1 | S |
| 170.992 | 0.0000 | 0.0000 | 82.111 | 0.01685 | 0.00000 | 319537.6 | 135762.8 | 183122.1 | S |
| 171.000 | 0.0000 | 0.0000 | 82.111 | 0.01684 | 0.00000 | 319537.6 | 135763.3 | 183122.1 | S |
| 171.008 | 0.0000 | 0.0000 | 82.111 | 0.01684 | 0.00000 | 319537.6 | 135763.8 | 183122.1 | S |
| 171.017 | 0.0000 | 0.0000 | 82.111 | 0.01684 | 0.00000 | 319537.6 | 135764.3 | 183122.1 | S |
| 171.025 | 0.0000 | 0.0000 | 82.111 | 0.01684 | 0.00000 | 319537.6 | 135764.8 | 183122.1 | S |
| 171.033 | 0.0000 | 0.0000 | 82.111 | 0.01684 | 0.00000 | 319537.6 | 135765.3 | 183122.1 | S |
| 171.042 | 0.0000 | 0.0000 | 82.111 | 0.01684 | 0.00000 | 319537.6 | 135765.8 | 183122.1 | S |
| 171.050 | 0.0000 | 0.0000 | 82.111 | 0.01683 | 0.00000 | 319537.6 | 135766.3 | 183122.1 | S |
| 171.058 | 0.0000 | 0.0000 | 82.111 | 0.01683 | 0.00000 | 319537.6 | 135766.8 | 183122.1 | S |
| 171.067 | 0.0000 | 0.0000 | 82.111 | 0.04683 | 0.00000 | 319537.6 | 135767.3 | 183122.1 | S |
| 171.075 | 0.0000 | 0.0000 | 82.111 | 0.01683 | 0.00000 | 319537.6 | 135767.8 | 183122.1 | S |
| 171.083 | 0.0000 | 0.0000 | 82.111 | 0.01683 | 0.00000 | 319537.6 | 135768.3 | 183122.1 | S |
| 171.092 | 0.0000 | 0.0000 | 82.110 | 0.01683 | 0.00000 | 319537.6 | 135768.8 | 183122.1 | S |
| 171.100 | 0.0000 | 0.0000 | 82.110 | 0.01683 | 0.00000 | 319537.6 | 135769.3 | 183122.1 | S |
| 171.108 | 0.0000 | 0.0000 | 82.110 | 0.01682 | 0.00000 | 319537.6 | 135769.8 | 183122.1 | S |
| 171.117 | 0.0000 | 0.0000 | 82.110 | 0.01682 | 0.00000 | 319537.6 | 135770.3 | 183122.1 | S |
| 171.125 | 0.0000 | 0.0000 | 82.110 | 0.01682 | 0.00000 | 319537.6 | 135770.8 | 183122.1 | S |
| 171.133 | 0.0000 | 0.0000 | 82.110 | 0.01682 | 0.00000 | 319537.6 | 135771.3 | 183122.1 | S |
| 171.142 | 0.0000 | 0.0000 | 82.110 | 0.01682 | 0.00000 | 319537.6 | 135771.8 | 183122.1 | S |
| 171.150 | 0.0000 | 0.0000 | 82.110 | 0.01682 | 0.00000 | 319537.6 | 135772.4 | 183122.1 | S |
| 171.158 | 0.0000 | 0.0000 | 82.110 | 0.01681 | 0.00000 | 319537.6 | 135772.9 | 183122.1 | S |
| 171.167 | 0.0000 | 0.0000 | 82.110 | 0.01681 | 0.00000 | 319537.6 | 135773.4 | 183122.1 | S |
| 171.175 | 0.0000 | 0.0000 | 82.110 | 0.01681 | 0.00000 | 319537.6 | 135773.9 | 183122.1 | S |
| 171.183 | 0.0000 | 0.0000 | 82.109 | 0.01681 | 0.00000 | 319537.6 | 135774.4 | 183122.1 | S |
| 171.192 | 0.0000 | 0.0000 | 82.109 | 0.01681 | 0.00000 | 319537.6 | 135774.9 | 183122.1 | S |
| $\uparrow 71.200$ | 0.0000 | 0.0000 | 82.109 | 0.01681 | 0.00000 | 319537.6 | 135775.4 | 183122.1 | S |
| 171.208 | 0.0000 | 0.0000 | 82.109 | 0.01680 | 0.00000 | 319537.6 | 135775.9 | \$83122.1 | S |
| 171.217 | 0.0000 | 0.0000 | 82.109 | 0.01680 | 0.00000 | 319537.6 | 135776.4 | 183122.1 | S |
| 171.225 | 0.0000 | 0.0000 | 82.109 | 0.01680 | 0.00000 | 319537.6 | 135776.9 | 183122.1 | S |
| 171.233 | 0.0000 | 0.0000 | 82.109 | 0.01680 | 0.00000 | 319537.6 | 135777.4 | 183122.1 | S |
| 171.242 | 0.0000 | 0.0000 | 82.109 | 0.01680 | 0.00000 | 319537.6 | 135777.9 | 183122.1 | S |
| 171.250 | 0.0000 | 0.0000 | 82.109 | 0.01680 | 0.00000 | 319537.6 | 135778.4 | 183122.1 | S |
| 171.258 | 0.0000 | 0.0000 | 82.109 | 0.01680 | 0.00000 | 319537.6 | 135778.9 | 183122.1 | S |
| 171.267 | 0.0000 | 0.0000 | 82.109 | 0.01679 | 0.00000 | 319537.6 | 135779.4 | 183122.1 | S |
| 171.275 | 0.0000 | 0.0000 | 82.109 | 0.01679 | 0.00000 | 319537.6 | 135779.9 | 183122.1 | S |
| 171.283 | 0.0000 | 0.0000 | 82.108 | 0.01679 | 0.00000 | 319537.6 | 135780.4 | 183122.1 | S |
| 171.292 | 0.0000 | 0.0000 | 82.108 | 0.01679 | 0.00000 | 319537.6 | 135780.9 | 183122.1 | S |
| 171.300 | 0.0000 | 0.0000 | 82.108 | 0.01679 | 0.00000 | 319537.6 | 135781.4 | 183122.1 | S |
| 171.308 | 0.0000 | 0.0000 | 82.108 | 0.01679 | 0.00000 | 319537.6 | 135781.9 | 183122.1 | S |
| 171.317 | 0.0000 | 0.0000 | 82.108 | 0.01678 | 0.00000 | 319537.6 | 135782.4 | 183122.1 | S |
| 171.325 | 0.0000 | 0.0000 | 82.108 | 0.01678 | 0.00000 | 319537.6 | 135782.9 | 183122.1 | S |
| 171.333 | 0.0000 | 0.0000 | 82.108 | 0.01678 | 0.00000 | 319537.6 | 135783.4 | 183122.1 | S |
| 171.342 | 0.0000 | 0.0000 | 82.108 | 0.01678 | 0.00000 | 319537.6 | 135784.0 | 183122.1 | S |
| 171.350 | 0.0000 | 0.0000 | 82.108 | 0.01678 | 0.00000 | 319537.6 | 135784.5 | 183122.1 | S |
| 171.358 | 0.0000 | 0.0000 | 82.108 | 0.01678 | 0.00000 | 319537.6 | 135785.0 | 183122.1 | S |
| 171.367 | 0.0000 | 0.0000 | 82.108 | 0.01678 | 0.00000 | 319537.6 | 135785.5 | 183122.1 | S |
| 171.375 | 0.0000 | 0.0000 | 82.108 | 0.01677 | 0.00000 | 319537.6 | 135786.0 | 183122.1 | S |
| 171.383 | 0.0000 | 0.0000 | 82.107 | 0.01677 | 0.00000 | 319537.6 | 135786.5 | 183122.1 | S |
| 171.392 | 0.0000 | 0.0000 | 82.107 | 0.01677 | 0.00000 | 319537.6 | 135787.0 | 183122.1 | S |
| 171.400 | 0.0000 | 0.0000 | 82.107 | 0.01677 | 0.00000 | 319537.6 | 135787.5 | 183122.1 | S |
| 171.408 | 0.0000 | 0.0000 | 82.107 | 0.01677 | 0.00000 | 319537.6 | 135788.0 | 183122.1 | S |
| 171.417 | 0.0000 | 0.0000 | 82.107 | 0.01677 | 0.00000 | 319537.6 | 135788.5 | 183122.1 | S |
| 171.425 | 0.0000 | 0.0000 | 82.107 | 0.01676 | 0.00000 | 319537.6 | 135789.0 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infitration Rate (f13/s) | Overfow Discharge ( $\mathrm{ff}^{3} / \mathrm{s}$ ) | Cumulative Infiow Volume (fil) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{fl}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 171.433 | 0.0000 | 0.0000 | 82.107 | 0.01676 | 0.00000 | 319537.6 | 135789.5 | 183122.1 | S |
| 171.442 | 0.0000 | 0.0000 | 82.107 | 0.01676 | 0.00000 | 319537.6 | 135790.0 | 183122.1 | S |
| 171.450 | 0.0000 | 0.0000 | 82.107 | 0.01676 | 0.00000 | 319537.6 | 135790.5 | 183122.1 | S |
| 171.458 | 0.0000 | 0.0000 | 82.107 | 0.01676 | 0.00000 | 319537.6 | 135791.0 | 183122.1 | S |
| 171.467 | 0.0000 | 0.0000 | 82.107 | 0.01676 | 0.00000 | 319537.6 | 135791.5 | 183122.1 | S |
| 171.475 | 0.0000 | 0.0000 | 82.107 | 0.01676 | 0.00000 | 319537.6 | 135792.0 | 183122.1 | S |
| 171.483 | 0.0000 | 0.0000 | 82.106 | 0.01675 | 0.00000 | 319537.6 | 135792.5 | 183122.1 | S |
| 171.492 | 0.0000 | 0.0000 | 82.106 | 0.01675 | 0.00000 | 319537.6 | 135793.0 | 183122.1 | S |
| 171.500 | 0.0000 | 0.0000 | 82.106 | 0.01675 | 0.00000 | 319537.6 | 135793.5 | 183122.1 | S |
| 171.508 | 0.0000 | 0.0000 | 82.106 | 0.01675 | 0.00000 | 319537.6 | 135794.0 | 183122.1 | S |
| 171.517 | 0.0000 | 0.0000 | 82.106 | 0.01675 | 0.00000 | 319537.6 | 135794.5 | 183122.1 | S |
| 171.525 | 0.0000 | 0.0000 | 82.106 | 0.01675 | 0.00000 | 319537.6 | 135795.0 | 183122.1 | S |
| 171.533 | 0.0000 | 0.0000 | 82.106 | 0.01674 | 0.00000 | 319537.6 | 135795.5 | 183122.1 | S |
| 171.542 | 0.0000 | 0.0000 | 82.106 | 0.01674 | 0.00000 | 319537.6 | 135796.0 | 183122.1 | S |
| 171.550 | 0.0000 | 0.0000 | 82.106 | 0.01674 | 0.00000 | 319537.6 | 135796.5 | 183122.1 | S |
| 171.558 | 0.0000 | 0.0000 | 82.106 | 0.01674 | 0.00000 | 319537.6 | 135797.0 | 183122.1 | S |
| 171.567 | 0.0000 | 0.0000 | 82.106 | 0.01674 | 0.00000 | 319537.6 | 135797.5 | 183122.1 | S |
| 171.575 | 0.0000 | 0.0000 | 82.106 | 0.01674 | 0.00000 | 319537.6 | 135798.0 | 183122.1 | S |
| 171.583 | 0.0000 | 0.0000 | 82.105 | 0.01673 | 0.00000 | 319537.6 | 135798.5 | 183122.1 | S |
| 171.592 | 0.0000 | 0.0000 | 82.105 | 0.01673 | 0.00000 | 319537.6 | 135799.0 | 183122.1 | S |
| 171.600 | 0.0000 | 0.0000 | 82.105 | 0.01673 | 0.00000 | 319537.6 | 135799.5 | 183122.1 | S |
| 171.608 | 0.0000 | 0.0000 | 82.105 | 0.01673 | 0.00000 | 319537.6 | 135800.0 | 183122.1 | S |
| 171.617 | 0.0000 | 0.0000 | 82.105 | 0.01673 | 0.00000 | 319537.6 | 135800.5 | 183122.1 | S |
| 171.625 | 0.0000 | 0.0000 | 82.105 | 0.01673 | 0.00000 | 319537.6 | 135801.0 | 183122.1 | S |
| 171.633 | 0.0000 | 0.0000 | 82.105 | 0.01673 | 0.00000 | 319537.6 | 135801.5 | 183122.1 | S |
| 171.642 | 0.0000 | 0.0000 | 82.105 | 0.01672 | 0.00000 | 319537.6 | 135802.0 | 183122.1 |  |
| 171.650 | 0.0000 | 0.0000 | 82.105 | 0.01672 | 0.00000 | 319537.6 | 135802.5 | 183122.1 | S |
| 171.658 | 0.0000 | 0.0000 | 82.105 | 0.01672 | 0.00000 | 319537.6 | 135803.0 | 183122.1 | S |
| 171.667 | 0.0000 | 0.0000 | 82.105 | 0.01672 | 0.00000 | 319537.6 | 135803.5 | 183122.1 | S |
| 171.675 | 0.0000 | 0.0000 | 82.104 | 0.01672 | 0.00000 | 319537.6 | 135804.0 | 183122.1 | S |
| 171.683 | 0.0000 | 0.0000 | 82.104 | 0.01672 | 0.00000 | 319537.6 | 135804.5 | 183122.1 | S |
| 171.692 | 0.0000 | 0.0000 | 82.104 | 0.01671 | 0.00000 | 319537.6 | 135805.0 | 183122.1 | S |
| 171.700 | 0.0000 | 0.0000 | 82.104 | 0.01671 | 0.00000 | 319537.6 | 135805.5 | 183122.1 | S |
| 171.708 | 0.0000 | 0.0000 | 82.104 | 0.01671 | 0.00000 | 319537.6 | 135806.0 | 183122.1 | S |
| 171.717 | 0.0000 | 0.0000 | 82.104 | 0.01671 | 0.00000 | 319537.6 | 135806.5 | 183122.1 | S |
| 171.725 | 0.0000 | 0.0000 | 82.104 | 0.01671 | 0.00000 | 319537.6 | 135807.0 | 183122.1 | S |
| 171.733 | 0.0000 | 0.0000 | 82.104 | 0.01671 | 0.00000 | 319537.6 | 135807.5 | 183122.1 | S |
| $\$ 71.742$ | 0.0000 | 0.0000 | 82.104 | 0.01671 | 0.00000 | 319537.6 | 135808.1 | 183122.1 | S |
| 171.750 | 0.0000 | 0.0000 | 82.104 | 0.01670 | 0.00000 | 319537.6 | 135808.6 | 183122.1 | S |
| 171.758 | 0.0000 | 0.0000 | 82.104 | 0.01670 | 0.00000 | 319537.6 | 135809.1 | 183122.1 | S |
| 171.767 | 0.0000 | 0.0000 | 82.104 | 0.01670 | 0.00000 | 319537.6 | 135809.6 | 183122.1 | S |
| 171.775 | 0.0000 | 0.0000 | 82.103 | 0.01670 | 0.00000 | 319537.6 | 135810.1 | 183122.1 | S |
| 171.783 | 0.0000 | 0.0000 | 82.103 | 0.01670 | 0.00000 | 319537.6 | 135810.6 | 183122.1 | S |
| 171.792 | 0.0000 | 0.0000 | 82.103 | 0.01670 | 0.00000 | 319537.6 | 135811.1 | 183122.1 | S |
| 171.800 | 0.0000 | 0.0000 | 82.103 | 0.01669 | 0.00000 | 319537.6 | 135811.6 | 183122.1 | S |
| 171.808 | 0.0000 | 0.0000 | 82.103 | 0.01669 | 0.00000 | 319537.6 | 135812.1 | 183122.1 | S |
| 171.817 | 0.0000 | 0.0000 | 82.103 | 0.01669 | 0.00000 | 319537.6 | 135812.6 | 183122.1 | S |
| 171.825 | 0.0000 | 0.0000 | 82.103 | 0.01669 | 0.00000 | 319537.6 | 135813.1 | 183122.1 | S |
| 171.833 | 0.0000 | 0.0000 | 82.103 | 0.01669 | 0.00000 | 319537.6 | 135813.6 | 183122.1 | S |
| 171.842 | 0.0000 | 0.0000 | 82.103 | 0.01669 | 0.00000 | 319537.6 | 135814.1 | 183122.1 | S |
| 171.850 | 0.0000 | 0.0000 | 82.103 | 0.01669 | 0.00000 | 319537.6 | 135814.6 | 183122.1 | S |
| 171.858 | 0.0000 | 0.0000 | 82.103 | 0.01668 | 0.00000 | 319537.6 | 135815.1 | 183122.1 | S |
| 171.867 | 0.0000 | 0.0000 | 82.103 | 0.01668 | 0.00000 | 319537.6 | 135815.6 | 183122.1 | S |
| 171.875 | 0.0000 | 0.0000 | 82.102 | 0.01668 | 0.00000 | 319537.6 | 135816.1 | 183122.1 | S |
| 171.883 | 0.0000 | 0.0000 | 82.102 | 0.01668 | 0.00000 | 319537.6 | 135816.6 | 183122.1 | S |
| 171.892 | 0.0000 | 0.0000 | 82.102 | 0.01668 | 0.00000 | 319537.6 | 135817.1 | 183122.1 | S |
| 171.900 | 0.0000 | 0.0000 | 82.102 | 0.01668 | 0.00000 | 319537.6 | 135817.6 | 183122.1 | S |
| 171.908 | 0.0000 | 0.0000 | 82.102 | 0.01667 | 0.00000 | 319537.6 | 135818.1 | 183122.1 | S |
| 171.917 | 0.0000 | 0.0000 | 82.102 | 0.01667 | 0.00000 | 319537.6 | 135818.6 | 183122.1 | S |
| 171.925 | 0.0000 | 0.0000 | 82.102 | 0.01667 | 0.00000 | 319537.6 | 135819.1 | 483122.1 | S |
| 171.933 | 0.0000 | 0.0000 | 82.102 | 0.01667 | 0.00000 | 319537.6 | 135819.6 | 183122.1 | S |
| 171.942 | 0.0000 | 0.0000 | 82.102 | 0.01667 | 0.00000 | 319537.6 | 135820.1 | 183122.1 | S |
| 171.950 | 0.0000 | 0.0000 | 82.102 | 0.01667 | 0.00000 | 319537.6 | 135820.6 | 183122.1 | S |
| 171.958 | 0.0000 | 0.0000 | 82.102 | 0.01667 | 0.00000 | 319537.6 | 135821.1 | 183122.1 | S |
| 171.967 | 0.0000 | 0.0000 | 82.102 | 0.01666 | 0.00000 | 319537.6 | 135821.6 | 183122.1 | S |
| 171.975 | 0.0000 | 0.0000 | 82.101 | 0.01666 | 0.00000 | 319537.6 | 135822.1 | 183122.1 | S |
| 171.983 | 0.0000 | 0.0000 | 82.101 | 0.01666 | 0.00000 | 319537.6 | 135822.6 | 183122.1 | S |
| 171.992 | 0.0000 | 0.0000 | 82.101 | 0.01666 | 0.00000 | 319537.6 | 135823.1 | 183122.1 | S |
| 172.000 | 0.0000 | 0.0000 | 82.101 | 0.01666 | 0.00000 | 319537.6 | 135823.6 | 183122.1 | S |
| 172.008 | 0.0000 | 0.0000 | 82.101 | 0.01666 | 0.00000 | 319537.6 | 135824.1 | 183122.1 | S |
| 172.017 | 0.0000 | 0.0000 | 82.101 | 0.01665 | 0.00000 | 319537.6 | 135824.6 | 183122.1 | S |
| 172.025 | 0.0000 | 0.0000 | 82.101 | 0.01665 | 0.00000 | 319537.6 | 135825.1 | 183122.1 | S |
| 172.033 | 0.0000 | 0.0000 | 82.101 | 0.01665 | 0.00000 | 319537.6 | 135825.6 | 183122.1 | S |
| 172.042 | 0.0000 | 0.0000 | 82.101 | 0.01665 | 0.00000 | 319537.6 | 135826.1 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f} 3 / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{H}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{H}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Dischafge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 172.050 | 0.0000 | 0.0000 | 82.101 | 0.01665 | 0.00000 | 319537.6 | 135826.6 | 183122.1 | S |
| 172.058 | 0.0000 | 0.0000 | 82.101 | 0.01665 | 0.00000 | 319537.6 | 135827.1 | 183122.1 | S |
| 172.067 | 0.0000 | 0.0000 | 82.101 | 0.01665 | 0.00000 | 319537.6 | 135827.6 | 183122.1 | S |
| 172.075 | 0.0000 | 0.0000 | 82.100 | 0.01664 | 0.00000 | 319537.6 | 135828.1 | 183122.1 | S |
| 172.083 | 0.0000 | 0.0000 | 82.100 | 0.01664 | 0.00000 | 319537.6 | 135828.6 | 183122.1 | S |
| 172.092 | 0.0000 | 0.0000 | 82.100 | 0.01664 | 0.00000 | 319537.6 | 135829.1 | 183122.1 | S |
| 172.100 | 0.0000 | 0.0000 | 82.100 | 0.01664 | 0.00000 | 319537.6 | 135829.6 | 183122.1 | S |
| 172.108 | 0.0000 | 0.0000 | 82.100 | 0.01664 | 0.00000 | 319537.6 | 135830.1 | 183122.1 | S |
| 172.117 | 0.0000 | 0.0000 | 82.100 | 0.01664 | 0.00000 | 319537.6 | 135830.6 | 183122.1 | S |
| 172.125 | 0.0000 | 0.0000 | 82.100 | 0.01663 | 0.00000 | 319537.6 | 135831.1 | 183122.1 | S |
| 172.133 | 0.0000 | 0.0000 | 82.100 | 0.01663 | 0.00000 | 319537.6 | 135831.6 | $183\{22.1$ | S |
| 172.142 | 0.0000 | 0.0000 | 82.100 | 0.01663 | 0.00000 | 319537.6 | 135832.1 | 183122.1 | S |
| 172.150 | 0.0000 | 0.0000 | 82.100 | 0.01663 | 0.00000 | 319537.6 | 135832.6 | 183122.1 | S |
| 172.158 | 0.0000 | 0.0000 | 82.100 | 0.01663 | 0.00000 | 319537.6 | 135833.1 | 183122.1 | S |
| 172.167 | 0.0000 | 0.0000 | 82.100 | 0.01663 | 0.00000 | 319537.6 | 135833.6 | 183122.1 | S |
| 172.175 | 0.0000 | 0.0000 | 82.099 | 0.01663 | 0.00000 | 319537.6 | 135834.0 | 183122.1 | S |
| 172.183 | 0.0000 | 0.0000 | 82.099 | 0.01662 | 0.00000 | 319537.6 | 135834.5 | 183122.1 | S |
| 172.192 | 0.0000 | 0.0000 | 82.099 | 0.01662 | 0.00000 | 319537.6 | 135835.0 | 183122.1 | S |
| 172.200 | 0.0000 | 0.0000 | 82.099 | 0.01662 | 0.00000 | 319537.6 | 135835.5 | 183122.1 | S |
| 172.208 | 0.0000 | 0.0000 | 82.099 | 0.01662 | 0.00000 | 319537.6 | 135836.0 | 183122.1 | S |
| 172.217 | 0.0000 | 0.0000 | 82.099 | 0.01662 | 0.00000 | 319537.6 | 135836.5 | 183122.1 | S |
| 172.225 | 0.0000 | 0.0000 | 82.099 | 0.01662 | 0.00000 | 319537.6 | 135837.0 | 183122.1 | S |
| 172.233 | 0.0000 | 0.0000 | 82.099 | 0.01661 | 0.00000 | 319537.6 | 135837.5 | 183122.1 | S |
| 172.242 | 0.0000 | 0.0000 | 82.099 | 0.01661 | 0.00000 | 319537.6 | 135838.0 | 183122.1 | S |
| 172.250 | 0.0000 | 0.0000 | 82.099 | 0.01661 | 0.00000 | 319537.6 | 135838.5 | 183122.1 | S |
| 172.258 | 0.0000 | 0.0000 | 82.099 | 0.01661 | 0.00000 | 319537.6 | 135839.0 | 183122.1 | S |
| 172.267 | 0.0000 | 0.0000 | 82.099 | 0.01661 | 0.00000 | 319537.6 | 135839.5 | 183122.1 | S |
| 172.275 | 0.0000 | 0.0000 | 82.098 | 0.01661 | 0.00000 | 319537.6 | 135840.0 | 183122.1 | S |
| 172.283 | 0.0000 | 0.0000 | 82.098 | 0.01661 | 0.00000 | 319537.6 | 135840.5 | 183722.1 | S |
| 172.292 | 0.0000 | 0.0000 | 82.098 | 0.01660 | 0.00000 | 319537.6 | 135841.0 | 183122.1 | S |
| 172.300 | 0.0000 | 0.0000 | 82.098 | 0.01660 | 0.00000 | 319537.6 | 135841.5 | 183122.1 | S |
| 172.308 | 0.0000 | 0.0000 | 82.098 | 0.01660 | 0.00000 | 319537.6 | 135842.0 | 183122.1 | S |
| 172.317 | 0.0000 | 0.0000 | 82.098 | 0.01660 | 0.00000 | 319537.6 | 135842.5 | 183122.1 | S |
| 172.325 | 0.0000 | 0.0000 | 82.098 | 0.01660 | 0.00000 | 319537.6 | 135843.0 | 183122.1 | S |
| 172.333 | 0.0000 | 0.0000 | 82.098 | 0.01660 | 0.00000 | 319537.6 | 135843.5 | 183122.1 | S |
| 172.342 | 0.0000 | 0.0000 | 82.098 | 0.01659 | 0.00000 | 319537.6 | 135844.0 | 183122.1 | S |
| 172.350 | 0.0000 | 0.0000 | 82.098 | 0.01659 | 0.00000 | 319537.6 | 135844.5 | 183122.1 | S |
| 172.358 | 0.0000 | 0.0000 | 82.098 | 0.01659 | 0.00000 | 319537.6 | 135845.0 | 183122.1 | S |
| 172.367 | 0.0000 | 0.0000 | 82.098 | 0.01659 | 0.00000 | 319537.6 | 135845.5 | 183122.1 | S |
| 172.375 | 0.0000 | 0.0000 | 82.097 | 0.01659 | 0.00000 | 319537.6 | 135846.0 | 183122.1 | S |
| 172.383 | 0.0000 | 0.0000 | 82.097 | 0.01659 | 0.00000 | 319537.6 | $\ddagger 35846.5$ | 183122.1 | S |
| 172.392 | 0.0000 | 0.0000 | 82.097 | 0.01659 | 0.00000 | 319537.6 | 135847.0 | 183122.1 | S |
| 172.400 | 0.0000 | 0.0000 | 82.097 | 0.01658 | 0.00000 | 319537.6 | 135847.5 | 183122.1 | S |
| 172.408 | 0.0000 | 0.0000 | 82.097 | 0.01658 | 0.00000 | 319537.6 | 135848.0 | 183122.4 | S |
| 172.417 | 0.0000 | 0.0000 | 82.097 | 0.01658 | 0.00000 | 319537.6 | 135848.5 | 183122.1 | S |
| 172.425 | 0.0000 | 0.0000 | 82.097 | 0.01658 | 0.00000 | 319537.6 | 135849.0 | 183122.1 | S |
| 172.433 | 0.0000 | 0.0000 | 82.097 | 0.01658 | 0.00000 | 319537.6 | 135849.5 | 183122.1 | S |
| 172.442 | 0.0000 | 0.0000 | 82.097 | 0.01658 | 0.00000 | 319537.6 | 135850.0 | 183122.1 | S |
| 172.450 | 0.0000 | 0.0000 | 82.097 | 0.01657 | 0.00000 | 319537.6 | 135850.5 | $\$ 83122.1$ | S |
| 172.458 | 0.0000 | 0.0000 | 82.097 | 0.01657 | 0.00000 | 319537.6 | 135851.0 | 183122.4 | S |
| 172.467 | 0.0000 | 0.0000 | 82.097 | 0.01657 | 0.00000 | 319537.6 | 135851.5 | 183122.1 | S |
| 172.475 | 0.0000 | 0.0000 | 82.096 | 0.01657 | 0.00000 | 319537.6 | 135852.0 | 183122.1 | S |
| 172.483 | 0.0000 | 0.0000 | 82.096 | 0.01657 | 0.00000 | 319537.6 | 135852.5 | 183122.1 | S |
| 172.492 | 0.0000 | 0.0000 | 82.096 | 0.01657 | 0.00000 | 319537.6 | 135853.0 | 183122.1 | S |
| 172.500 | 0.0000 | 0.0000 | 82.096 | 0.01657 | 0.00000 | 319537.6 | 135853.5 | 183122.1 | S |
| 172.508 | 0.0000 | 0.0000 | 82.096 | 0.01656 | 0.00000 | 319537.6 | 135854.0 | 183122.1 | S |
| 172.517 | 0.0000 | 0.0000 | 82.096 | 0.01656 | 0.00000 | 319537.6 | 135854.5 | 183122.1 | S |
| 172.525 | 0.0000 | 0.0000 | 82.096 | 0.01656 | 0.00000 | 319537.6 | 135855.0 | 183122.1 | S |
| 172.533 | 0.0000 | 0.0000 | 82.096 | 0.01656 | 0.00000 | 319537.6 | 135855.5 | 183122.1 | S |
| 172.542 | 0.0000 | 0.0000 | 82.096 | 0.01656 | 0.00000 | 319537.6 | 135856.0 | 183122.1 | S |
| 172.550 | 0.0000 | 0.0000 | 82.096 | 0.01656 | 0.00000 | 319537.6 | 135856.5 | \$83122.1 | S |
| 172.558 | 0.0000 | 0.0000 | 82.096 | 0.01656 | 0.00000 | 319537.6 | 135857.0 | 183122.1 | S |
| 172.567 | 0.0000 | 0.0000 | 82.095 | 0.01655 | 0.00000 | 319537.6 | 135857.4 | 183122.1 | S |
| 172.575 | 0.0000 | 0.0000 | 82.095 | 0.01655 | 0.00000 | 319537.6 | 135857.9 | 183122.1 | S |
| 172.583 | 0.0000 | 0.0000 | 82.095 | 0.01655 | 0.00000 | 319537.6 | 135858.4 | 183122.1 | S |
| 172.592 | 0.0000 | 0.0000 | 82.095 | 0.01655 | 0.00000 | 319537.6 | 135858.9 | 183122.1 | S |
| 172.600 | 0.0000 | 0.0000 | 82.095 | 0.01655 | 0.00000 | 319537.6 | 135859.4 | 183122.1 | S |
| 172.608 | 0.0000 | 0.0000 | 82.095 | 0.01655 | 0.00000 | 319537.6 | 135859.9 | 183122.1 | S |
| 172.617 | 0.0000 | 0.0000 | 82.095 | 0.01654 | 0.00000 | 319537.6 | 135860.4 | 183122.1 | S |
| 172.625 | 0.0000 | 0.0000 | 82.095 | 0.01654 | 0.00000 | 319537.6 | 135860.9 | 183122.1 | S |
| 172.633 | 0.0000 | 0.0000 | 82.095 | 0.01654 | 0.00000 | 319537.6 | 135861.4 | 183122.1 | S |
| 172.642 | 0.0000 | 0.0000 | 82.095 | 0.01654 | 0.00000 | 319537.6 | \$35861.9 | 183122.1 | S |
| 172.650 | 0.0000 | 0.0000 | 82.095 | 0.01654 | 0.00000 | 319537.6 | 135862.4 | 183122.1 | S |
| 172.658 | 0.0000 | 0.0000 | 82.095 | 0.01654 | 0.00000 | 319537.6 | 135862.9 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario $1::$ pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Infiow Rate (f $\mathrm{f}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Overlow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $f^{3}$ ) | Cumulative infiltration Volume (fis) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 172.667 | 0.0000 | 0.0000 | 82.094 | 0.01654 | 0.00000 | 319537.6 | 135863.4 | 183122.1 | S |
| 172.675 | 0.0000 | 0.0000 | 82.094 | 0.01653 | 0.00000 | 319537.6 | 135863.9 | 183122.1 | S |
| 172.683 | 0.0000 | 0.0000 | 82.094 | 0.01653 | 0.00000 | 319537.6 | 135864.4 | 183122.1 | S |
| 172.692 | 0.0000 | 0.0000 | 82.094 | 0.01653 | 0.00000 | 319537.6 | 135864.9 | 183122.1 | S |
| 172.700 | 0.0000 | 0.0000 | 82.094 | 0.01653 | 0.00000 | 319537.6 | 135865.4 | 183122.1 | S |
| 172.708 | 0.0000 | 0.0000 | 82.094 | 0.01653 | 0.00000 | 319537.6 | 135865.9 | 183122.1 | S |
| 172.717 | 0.0000 | 0.0000 | 82.094 | 0.01653 | 0.00000 | 319537.6 | 135866.4 | 183122.1 | S |
| 172.725 | 0.0000 | 0.0000 | 82.094 | 0.01652 | 0.00000 | 319537.6 | 135866.9 | 183122.1 | S |
| 172.733 | 0.0000 | 0.0000 | 82.094 | 0.01652 | 0.00000 | 319537.6 | 135867.4 | 183122.1 | S |
| 172.742 | 0.0000 | 0.0000 | 82.094 | 0.01652 | 0.00000 | 319537.6 | 135867.9 | 183122.1 | S |
| 172.750 | 0.0000 | 0.0000 | 82.094 | 0.01652 | 0.00000 | 319537.6 | 135868.4 | 183122.1 | S |
| 172.758 | 0.0000 | 0.0000 | 82.094 | 0.01652 | 0.00000 | 319537.6 | 135868.9 | 183122.1 | S |
| 172.767 | 0.0000 | 0.0000 | 82.093 | 0.01652 | 0.00000 | 319537.6 | 135869.3 | 183122.1 | S |
| 172.775 | 0.0000 | 0.0000 | 82.093 | 0.01652 | 0.00000 | 319537.6 | 135869.8 | 183122.1 | S |
| 172.783 | 0.0000 | 0.0000 | 82.093 | 0.01651 | 0.00000 | 319537.6 | 135870.3 | 183122.1 | S |
| 172.792 | 0.0000 | 0.0000 | 82.093 | 0.01651 | 0.00000 | 319537.6 | 135870.8 | 183122.1 | S |
| 172.800 | 0.0000 | 0.0000 | 82.093 | 0.01651 | 0.00000 | 319537.6 | 135871.3 | 183122.1 | S |
| 172.808 | 0.0000 | 0.0000 | 82.093 | 0.01651 | 0.00000 | 319537.6 | 135871.8 | 183122.1 | S |
| 172.817 | 0.0000 | 0.0000 | 82.093 | 0.01651 | 0.00000 | 319537.6 | 135872.3 | 183122.1 | S |
| 172.825 | 0.0000 | 0.0000 | 82.093 | 0.01651 | 0.00000 | 319537.6 | 135872.8 | 183122.1 | S |
| 172.833 | 0.0000 | 0.0000 | 82.093 | 0.01650 | 0.00000 | 319537.6 | 135873.3 | 183122.1 | S |
| 172.842 | 0.0000 | 0.0000 | 82.093 | 0.01650 | 0.00000 | 319537.6 | 135873.8 | 183122.1 | S |
| 172.850 | 0.0000 | 0.0000 | 82.093 | 0.01650 | 0.00000 | 319537.6 | 135874.3 | 183122.1 | S |
| 172.858 | 0.0000 | 0.0000 | 82.093 | 0.01650 | 0.00000 | 319537.6 | 135874.8 | 183122.1 | S |
| 172.867 | 0.0000 | 0.0000 | 82.092 | 0.01650 | 0.00000 | 319537.6 | 135875.3 | 183122.1 | S |
| 172.875 | 0.0000 | 0.0000 | 82.092 | 0.01650 | 0.00000 | 319537.6 | 135875.8 | 183122.1 | S |
| 172.883 | 0.0000 | 0.0000 | 82.092 | 0.01650 | 0.00000 | 319537.6 | 135876.3 | 183122.1 | S |
| 172.892 | 0.0000 | 0.0000 | 82.092 | 0.01649 | 0.00000 | 319537.6 | 135876.8 | 183122.1 | S |
| 172.900 | 0.0000 | 0.0000 | 82.092 | 0.01649 | 0.00000 | 319537.6 | 135877.3 | 183122.1 | S |
| 172.908 | 0.0000 | 0.0000 | 82.092 | 0.01649 | 0.00000 | 319537.6 | 135877.8 | 183122.1 | S |
| 172.917 | 0.0000 | 0.0000 | 82.092 | 0.01649 | 0.00000 | 319537.6 | 135878.3 | 183122.1 | S |
| 172.925 | 0.0000 | 0.0000 | 82.092 | 0.01649 | 0.00000 | 319537.6 | 135878.8 | 183122.1 | S |
| 172.933 | 0.0000 | 0.0000 | 82.092 | 0.01649 | 0.00000 | 319537.6 | 135879.3 | 183122.1 | S |
| 172.942 | 0.0000 | 0.0000 | 82.092 | 0.01649 | 0.00000 | 319537.6 | 135879.8 | 183122.1 | S |
| 172.950 | 0.0000 | 0.0000 | 82.092 | 0.01648 | 0.00000 | 319537.6 | 135880.2 | 183122.1 | S |
| 172.958 | 0.0000 | 0.0000 | 82.092 | 0.01648 | 0.00000 | 319537.6 | 135880.7 | 183122.1 | S |
| 172.967 | 0.0000 | 0.0000 | 82.091 | 0.01648 | 0.00000 | 319537.6 | 135881.2 | 183122.1 | S |
| 172.975 | 0.0000 | 0.0000 | 82.091 | 0.01648 | 0.00000 | 319537.6 | 135881.7 | 183122.1 | S |
| 172.983 | 0.0000 | 0.0000 | 82.091 | 0.01648 | 0.00000 | 319537.6 | 135882.2 | 183122.1 | S |
| 172.992 | 0.0000 | 0.0000 | 82.091 | 0.01648 | 0.00000 | 319537.6 | 135882.7 | 183122.1 | S |
| 173.000 | 0.0000 | 0.0000 | 82.091 | 0.01647 | 0.00000 | 319537.6 | 135883.2 | 183122.1 | S |
| 173.008 | 0.0000 | 0.0000 | 82.091 | 0.01647 | 0.00000 | 319537.6 | 135883.7 | 183122.1 | S |
| 173.017 | 0.0000 | 0.0000 | 82.091 | 0.01647 | 0.00000 | 319537.6 | 135884.2 | 183122.1 | S |
| 173.025 | 0.0000 | 0.0000 | 82.091 | 0.01647 | 0.00000 | 319537.6 | 135884.7 | 183122.1 | S |
| 173.033 | 0.0000 | 0.0000 | 82.091 | 0.01647 | 0.00000 | 319537.6 | 135885.2 | 183122.1 | S |
| 173.042 | 0.0000 | 0.0000 | 82.091 | 0.01647 | 0.00000 | 319537.6 | 135885.7 | 183122.1 | S |
| 173.050 | 0.0000 | 0.0000 | 82.091 | 0.01647 | 0.00000 | 319537.6 | 135886.2 | 183122.1 | S |
| 173.058 | 0.0000 | 0.0000 | 82.091 | 0.01646 | 0.00000 | 319537.6 | 135886.7 | 183122.1 | S |
| 173.067 | 0.0000 | 0.0000 | 82.090 | 0.01646 | 0.00000 | 319537.6 | 135887.2 | 183122.1 | S |
| 173.075 | 0.0000 | 0.0000 | 82.090 | 0.01646 | 0.00000 | 319537.6 | 135887.7 | 183122.1 | S |
| 173.083 | 0.0000 | 0.0000 | 82.090 | 0.01646 | 0.00000 | 319537.6 | 135888.1 | 183122.1 | S |
| 173.092 | 0.0000 | 0.0000 | 82.090 | 0.01646 | 0.00000 | 319537.6 | 135888.6 | 183122.1 | S |
| 173.100 | 0.0000 | 0.0000 | 82.090 | 0.01646 | 0.00000 | 319537.6 | 135889.1 | 183122.1 | S |
| 173.108 | 0.0000 | 0.0000 | 82.090 | 0.01645 | 0.00000 | 319537.6 | 135889.6 | 183122.1 | S |
| 173.117 | 0.0000 | 0.0000 | 82.090 | 0.01645 | 0.00000 | 319537.6 | 135890.1 | 183122.1 | S |
| 173.125 | 0.0000 | 0.0000 | 82.090 | 0.01645 | 0.00000 | 319537.6 | 135890.6 | 183122.1 | S |
| 173.133 | 0.0000 | 0.0000 | 82.090 | 0.01645 | 0.00000 | 319537.6 | 135891.1 | 183122.1 | S |
| 173.142 | 0.0000 | 0.0000 | 82.090 | 0.01645 | 0.00000 | 319537.6 | 135891.6 | 183122.1 | S |
| 173.150 | 0.0000 | 0.0000 | 82.090 | 0.01645 | 0.00000 | 319537.6 | 135892.1 | 183122.1 | S |
| 173.158 | 0.0000 | 0.0000 | 82.090 | 0.01645 | 0.00000 | 319537.6 | 135892.6 | 183122.1 | S |
| 173.167 | 0.0000 | 0.0000 | 82.089 | 0.01644 | 0.00000 | 319537.6 | 135893.1 | 183122.1 | S |
| 173.175 | 0.0000 | 0.0000 | 82.089 | 0.01644 | 0.00000 | 319537.6 | 135893.6 | 183122.1 183122.1 | S |
| 173.183 | 0.0000 | 0.0000 | 82.089 | 0.01644 | 0.00000 | 319537.6 | 135894.1 | 183122.1 | S |
| 173.192 | 0.0000 | 0.0000 | 82.089 | 0.01644 | 0.00000 | 319537.6 | 135894.6 | 183122.1 | S |
| 173.200 | 0.0000 | 0.0000 | 82.089 | 0.01644 | 0.00000 | 319537.6 3195376 | 135895.1 | 183122.1 183122.1 | S |
| 173.208 | 0.0000 | 0.0000 | 82.089 | 0.01644 | 0.00000 | 319537.6 | 135895.5 | 183122.1 | S |
| 173.217 | 0.0000 | 0.0000 | 82.089 | 0.01644 | 0.00000 0.00000 | 319537.6 319537.6 | 135896.0 | 183122.1 | S |
| 173.225 | 0.0000 | 0.0000 | 82.089 | 0.01643 0.01643 | 0.00000 0.00000 | 319537.6 319537.6 | 135896.5 135897.0 | 183122.1 | S |
| 173.233 | 0.0000 | 0.0000 | 82.089 | 0.01643 | 0.00000 | 319537.6 319537.6 | 135897.0 | 183122.1 | S |
| 173.242 | 0.0000 | 0.0000 | 82.089 | 0.01643 | 0.00000 | 319537.6 | 135897.5 | 183122.1 | S |
| 173.250 | 0.0000 | 0.0000 | 82.089 | 0.01643 | 0.00000 | 319537.6 | 135898.0 | 183122.1 | S |
| 173.258 | 0.0000 | 0.0000 | 82.089 | 0.01643 | 0.00000 | 319537.6 3195376 | 135898.5 | 183122.1 | S |
| 173.267 | 0.0000 | 0.0000 | 82.088 | 0.01643 | 0.00000 | 319537.6 | 135899.0 | 183122.1 | S |
| 173.275 | 0.0000 | 0.0000 | 82.088 | 0.01642 | 0.00000 | 319537.6 | 135899.5 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 173.283 | 0.0000 | 0.0000 | 82.088 | 0.01642 | 0.00000 | 319537.6 | 135900.0 | 183122.1 | S |
| 173.292 | 0.0000 | 0.0000 | 82.088 | 0.01642 | 0.00000 | 319537.6 | 135900.5 | 183122.1 | S |
| 173.300 | 0.0000 | 0.0000 | 82.088 | 0.01642 | 0.00000 | 319537.6 | 135901.0 | 183122.1 | S |
| 173.308 | 0.0000 | 0.0000 | 82.088 | 0.01642 | 0.00000 | 319537.6 | 135901.5 | 183122.1 | S |
| 173.317 | 0.0000 | 0.0000 | 82.088 | 0.01642 | 0.00000 | 319537.6 | $\$ 35902.0$ | 183122.1 | S |
| 173.325 | 0.0000 | 0.0000 | 82.088 | 0.01642 | 0.00000 | 319537.6 | 135902.5 | 183122.1 | S |
| 173.333 | 0.0000 | 0.0000 | 82.088 | 0.01641 | 0.00000 | 319537.6 | 135902.9 | 183122.1 | S |
| 173.342 | 0.0000 | 0.0000 | 82.088 | 0.01641 | 0.00000 | 319537.6 | 135903.4 | 183122.1 | S |
| 173.350 | 0.0000 | 0.0000 | 82,088 | 0.01641 | 0.00000 | 319537.6 | 135903.9 | 183122.1 | S |
| 173.358 | 0.0000 | 0.0000 | 82.088 | 0.01641 | 0.00000 | 319537.6 | 135904.4 | 183122.1 | S |
| 173.367 | 0.0000 | 0.0000 | 82.087 | 0.01641 | 0.00000 | 319537.6 | 135904.9 | 183122.1 | S |
| 173.375 | 0.0000 | 0.0000 | 82.087 | 0.01641 | 0.00000 | 319537.6 | 135905.4 | 183122.1 | S |
| 173.383 | 0.0000 | 0.0000 | 82.087 | 0.01640 | 0.00000 | 319537.6 | 135905.9 | 183122.1 | S |
| 173.392 | 0.0000 | 0.0000 | 82.087 | 0.01640 | 0.00000 | 319537.6 | 135906.4 | 183122.1 | S |
| 173.400 | 0.0000 | 0.0000 | 82.087 | 0.01640 | 0.00000 | 319537.6 | 135906.9 | 183122.1 | S |
| 173.408 | 0.0000 | 0.0000 | 82.087 | 0.01640 | 0.00000 | 319537.6 | 135907.4 | 183122.1 | S |
| 173.417 | 0.0000 | 0.0000 | 82.087 | 0.01640 | 0.00000 | 319537.6 | 135907.9 | 183122.1 | S |
| 173.425 | 0.0000 | 0.0000 | 82.087 | 0.01640 | 0.00000 | 319537.6 | 135908.4 | 183122.1 | S |
| 173.433 | 0.0000 | 0.0000 | 82.087 | 0.01640 | 0.00000 | 319537.6 | 135908.8 | 183122.1 | S |
| 173.442 | 0.0000 | 0.0000 | 82.087 | 0.01639 | 0.00000 | 319537.6 | 135909.3 | 183122.1 | S |
| 173.450 | 0.0000 | 0.0000 | 82.087 | 0.01639 | 0.00000 | 319537.6 | 135909.8 | 183122.1 | S |
| 173.458 | 0.0000 | 0.0000 | 82.087 | 0.01639 | 0.00000 | 319537.6 | 135910.3 | $\uparrow 83122.1$ | S |
| 173.467 | 0.0000 | 0.0000 | 82.086 | 0.01639 | 0.00000 | 319537.6 | 135910.8 | 183122.1 | S |
| 173.475 | 0.0000 | 0.0000 | 82.086 | 0.01639 | 0.00000 | 319537.6 | 135911.3 | 183122.1 | S |
| 173.483 | 0.0000 | 0.0000 | 82.086 | 0.01639 | 0.00000 | 319537.6 | 135911.8 | 183122.1 | S |
| 173.492 | 0.0000 | 0.0000 | 82.086 | 0.01639 | 0.00000 | 319537.6 | 135912.3 | 183122.1 | S |
| 173.500 | 0.0000 | 0.0000 | 82.086 | 0.01638 | 0.00000 | 319537.6 | 135912.8 | 183122.1 | S |
| 173.508 | 0.0000 | 0.0000 | 82.086 | 0.01638 | 0.00000 | 319537.6 | 135913.3 | 183122.1 | S |
| 173.517 | 0.0000 | 0.0000 | 82.086 | 0.01638 | 0.00000 | 319537.6 | 135913.8 | 183122.7 | S |
| 173.525 | 0.0000 | 0.0000 | 82.086 | 0.01638 | 0.00000 | 319537.6 | 135914.3 | 183122.1 | S |
| 173.533 | 0.0000 | 0.0000 | 82.086 | 0.01638 | 0.00000 | 319537.6 | 135914.8 | 183122.1 | S |
| 173.542 | 0.0000 | 0.0000 | 82.086 | 0.01638 | 0.00000 | 319537.6 | 135915.2 | 183122.1 | S |
| 173.550 | 0.0000 | 0.0000 | 82.086 | 0.01637 | 0.00000 | 319537.6 | 135915.7 | 183122.1 | S |
| 173.558 | 0.0000 | 0.0000 | 82.086 | 0.01637 | 0.00000 | 319537.6 | 135916.2 | 183122.1 | S |
| 173.567 | 0.0000 | 0.0000 | 82.085 | 0.01637 | 0.00000 | 319537.6 | 135916.7 | 183122.1 | S |
| 173.575 | 0.0000 | 0.0000 | 82.085 | 0.01637 | 0.00000 | 319537.6 | 135917.2 | 183122.1 | S |
| 173.583 | 0.0000 | 0.0000 | 82.085 | 0.01637 | 0.00000 | 319537.6 | 135917.7 | 183122.1 | S |
| 173.592 | 0.0000 | 0.0000 | 82.085 | 0.01637 | 0.00000 | 319537.6 | 135918.2 | 183122.1 | S |
| 173.600 | 0.0000 | 0.0000 | 82.085 | 0.01637 | 0.00000 | 319537.6 | 135918.7 | 183122.1 | S |
| 173,608 | 0.0000 | 0.0000 | 82.085 | 0.01636 | 0.00000 | 319537.6 | 135919.2 | 183122.1 | S |
| 173.617 | 0.0000 | 0.0000 | 82.085 | 0.01636 | 0.00000 | 319537.6 | 135918.7 | 183122.1 | S |
| 173.625 | 0.0000 | 0.0000 | 82.085 | 0.01636 | 0.00000 | 319537.6 | 135920.1 | 183122.1 | S |
| 173.633 | 0.0000 | 0.0000 | 82.085 | 0.01636 | 0.00000 | 319537.6 | 135920.6 | 183122.1 | S |
| 173.642 | 0.0000 | 0.0000 | 82.085 | 0.01636 | 0.00000 | 319537.6 | 135921.1 | १83122.1 | S |
| 173.650 | 0.0000 | 0.0000 | 82.085 | 0.01636 | 0.00000 | 319537.6 | 135921.6 | 183122.1 | S |
| 173.658 | 0.0000 | 0.0000 | 82.085 | 0.01636 | 0.00000 | 319537.6 | 135922.1 | 183122.1 | S |
| 173.667 | 0.0000 | 0.0000 | 82.084 | 0.01635 | 0.00000 | 319537.6 | 135922.6 | 183122.1 | S |
| 173.675 | 0.0000 | 0.0000 | 82.084 | 0.01635 | 0.00000 | 319537.6 | 135923.1 | $183\} 22.1$ | S |
| 173.683 | 0.0000 | 0.0000 | 82.084 | 0.01635 | 0.00000 | 319537.6 | 135923.6 | 183122.1 | S |
| 173.692 | 0.0000 | 0.0000 | 82.084 | 0.01635 | 0.00000 | 319537.6 | 135924.1 | 183122.1 | S |
| 173.700 | 0.0000 | 0.0000 | 82.084 | 0.01635 | 0.00000 | 319537.6 | 135924.6 | 183122.1 | S |
| 173.708 | 0.0000 | 0.0000 | 82.084 | 0.01635 | 0.00000 | 319537.6 | 135925.0 | 183122.1 | S |
| 173.717 | 0.0000 | 0.0000 | 82.084 | 0.01634 | 0.00000 | 319537.6 | 135925.5 | 183122.1 | S |
| 173.725 | 0.0000 | 0.0000 | 82.084 | 0.01634 | 0.00000 | 319537.6 | 135926.0 | 183122.1 | S |
| 173.733 | 0.0000 | 0.0000 | 82.084 | 0.01634 | 0.00000 | 319537.6 | 135926.5 | 183122.1 | S |
| 173.742 | 0.0000 | 0.0000 | 82.084 | 0.01634 | 0.00000 | 319537.6 | 135927.0 | 183122.1 | S |
| 173.750 | 0.0000 | 0.0000 | 82.084 | 0.01634 | 0.00000 | 319537.6 | 135927.5 | 183122.1 | S |
| 173.758 | 0.0000 | 0.0000 | 82.084 | 0.01634 | 0.00000 | 319537.6 | 135928.0 | 183122.1 | S |
| 173.767 | 0.0000 | 0.0000 | 82.083 | 0.01634 | 0.00000 | 319537.6 | 135928.5 | 183122.1 | S |
| 173.775 | 0.0000 | 0.0000 | 82.083 | 0.01633 | 0.00000 | 319537.6 | 135929.0 | 183122.1 | S |
| 173.783 | 0.0000 | 0.0000 | 82.083 | 0.01633 | 0.00000 | 319537.6 | 135929.5 | 183122.1 | S |
| 173.792 | 0.0000 | 0.0000 | 82.083 | 0.01633 | 0.00000 | 319537.6 | 135930.0 | 183122.1 | S |
| 173.800 | 0.0000 | 0.0000 | 82.083 | 0.01633 | 0.00000 | 319537.6 | 135930.4 | 183122.1 | S |
| 173.808 | 0.0000 | 0.0000 | 82.083 | 0.01633 | 0.00000 | 319537.6 | 135930.9 | 183122.1 | S |
| 173.817 | 0,0000 | 0.0000 | 82.083 | 0.01633 | 0.00000 | 319537.6 | 135931.4 | \$83122.1 | S |
| 173.825 | 0.0000 | 0.0000 | 82.083 | 0.01633 | 0.00000 | 319537.6 | 135931.9 | 183122.1 | S |
| 173.833 | 0.0000 | 0.0000 | 82.083 | 0.01632 | 0.00000 | 319537.6 | 135932.4 | 183122.1 | S |
| 173.842 | 0.0000 | 0.0000 | 82.083 | 0.01632 | 0.00000 | 319537.6 | 135932.9 | 183122.1 | S |
| 173.850 | 0.0000 | 0.0000 | 82.083 | 0.01632 | 0.00000 | 319537.6 | 135933.4 | 183122.1 | S |
| 173.858 | 0.0000 | 0.0000 | 82.083 | 0.01632 | 0.00000 | 319537.6 | 135933.9 | 183122.1 | S |
| 173.867 | 0.0000 | 0.0000 | 82.082 | 0.01632 | 0.00000 | 319537.6 | 135934.4 | 183122.1 | S |
| 173.875 | 0.0000 | 0.0000 | 82.082 | 0.01632 | 0.00000 | 319537.6 | 135934.8 | 183122.1 | S |
| 173.883 | 0.0000 | 0.0000 | 82.082 | 0.01632 | 0.00000 | 319537.6 | 135935.3 | 183122.1 | S |
| 173.892 | 0.0000 | 0.0000 | 82.082 | 0.01631 | 0.00000 | 319537.6 | 135935.8 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/overflow

| Elapsed Time (hours) | inflow Rate (f $\mathrm{H}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft dakum) | Infiltration Rate (ftys) | Overtlow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 173.900 | 0.0000 | 0.0000 | 82.082 | 0.01631 | 0.00000 | 319537.6 | 135936.3 | 183122.1 | S |
| 173.908 | 0.0000 | 0.0000 | 82.082 | 0.01631 | 0.00000 | 319537.6 | 135936.8 | 183122.1 | S |
| 173.917 | 0.0000 | 0.0000 | 82.082 | 0.07631 | 0.00000 | 319537.6 | 135937.3 | 183122.1 | S |
| 173.925 | 0.0000 | 0.0000 | 82.082 | 0.01631 | 0.00000 | 319537.6 | 135937.8 | 183122.1 | S |
| 173.933 | 0.0000 | 0.0000 | 82.082 | 0.01631 | 0.00000 | 319537.6 | 135938.3 | 183122.1 | S |
| \$73.942 | 0.0000 | 0.0000 | 82.082 | 0.01630 | 0.00000 | 319537.6 | 135938.8 | 183122.1 | S |
| 173.950 | 0.0000 | 0.0000 | 82.082 | 0.01630 | 0.00000 | 319537.6 | 135939.3 | 183122.1 | S |
| 173.958 | 0.0000 | 0.0000 | 82.082 | 0.01630 | 0.00000 | 319537.6 | 135939.8 | 183122.1 | S |
| 173.967 | 0.0000 | 0.0000 | 82.081 | 0.01630 | 0.00000 | 319537.6 | 135940.2 | 183122.1 | S |
| 173.975 | 0.0000 | 0.0000 | 82.081 | 0.01630 | 0.00000 | 319537.6 | 135940.7 | 183122.1 | S |
| 173.983 | 0.0000 | 0.0000 | 82.081 | 0.01630 | 0.00000 | 319537.6 | 135941.2 | 183122.1 | S |
| 173.992 | 0.0000 | 0.0000 | 82.081 | 0.01630 | 0.00000 | 319537.6 | 135941.7 | 183122.1 | S |
| 174.000 | 0.0000 | 0.0000 | 82.081 | 0.01629 | 0.00000 | 319537.6 | 135942.2 | 183122.1 | S |
| 174.008 | 0.0000 | 0.0000 | 82.081 | 0.01629 | 0.00000 | 319537.6 | 135942.7 | 183122.1 | S |
| 174.017 | 0.0000 | 0.0000 | 82.081 | 0.01629 | 0.00000 | 319537.6 | 135943.2 | 183122.1 | S |
| 174.025 | 0.0000 | 0.0000 | 82.081 | 0.01629 | 0.00000 | 319537.6 | 135943.7 | 183122.1 | S |
| 174.033 | 0.0000 | 0.0000 | 82.081 | 0.01629 | 0.00000 | 319537.6 | 135944.1 | 183122.1 | S |
| 174.042 | 0.0000 | 0.0000 | 82.081 | 0.01629 | 0.00000 | 319537.6 | 135944.6 | 183122.1 | S |
| 174.050 | 0.0000 | 0.0000 | 82.081 | 0.01629 | 0.00000 | 319537.6 | 135945.1 | 183122.1 | S |
| 174.058 | 0.0000 | 0.0000 | 82.081 | 0.01628 | 0.00000 | 319537.6 | 135945.6 | 183122.1 | S |
| 174.067 | 0.0000 | 0.0000 | 82.080 | 0.01628 | 0.00000 | 319537.6 | 135946.1 | 183122.1 | S |
| 174.075 | 0.0000 | 0.0000 | 82.080 | 0.01628 | 0.00000 | 319537.6 | 135946.6 | 183122.1 | S |
| 174.083 | 0.0000 | 0.0000 | 82.080 | 0.01628 | 0.00000 | 319537.6 | 135947.1 | 183122.1 | S |
| 174.092 | 0.0000 | 0.0000 | 82.080 | 0.01628 | 0.00000 | 319537.6 | 135947.6 | 183122.1 | S |
| 174.100 | 0.0000 | 0.0000 | 82.080 | 0.01628 | 0.00000 | 319537.6 | 135948.0 | 183122.1 | S |
| 174.108 | 0.0000 | 0.0000 | 82.080 | 0.01627 | 0.00000 | 319537.6 | 135948.5 | 183122.1 | S |
| 174.117 | 0.0000 | 0.0000 | 82.080 | 0.01627 | 0.00000 | 319537.6 | 135949.0 | 183122.1 | S |
| 174.125 | 0.0000 | 0.0000 | 82.080 | 0.01627 | 0.00000 | 319537.6 | 135949.5 | 183122.1 | S |
| 174.133 | 0.0000 | 0.0000 | 82.080 | 0.01627 | 0.00000 | 319537.6 | 135950.0 | 183122.1 | S |
| 174.142 | 0.0000 | 0.0000 | 82.080 | 0.01627 | 0.00000 | 319537.6 | 135950.5 | 183122.1 | S |
| 174.150 | 0.0000 | 0.0000 | 82.080 | 0.01627 | 0.00000 | 319537.6 | 135951.0 | 183122.1 | S |
| 174.158 | 0.0000 | 0.0000 | 82.080 | 0.01627 | 0.00000 | 319537.6 | 135951.5 | 183122.1 | S |
| 174.167 | 0.0000 | 0.0000 | 82.080 | 0.01626 | 0.00000 | 319537.6 | 135952.0 | 183122.1 | S |
| 174.175 | 0.0000 | 0.0000 | 82.079 | 0.01626 | 0.00000 | 319537.6 | 135952.4 | 183122.1 | S |
| 174.183 | 0.0000 | 0.0000 | 82.079 | 0.01626 | 0.00000 | 319537.6 | 135952.9 | 183122.1 | S |
| 174.192 | 0.0000 | 0.0000 | 82.079 | 0.01626 | 0.00000 | 319537.6 | 135953.4 | 183122.1 | S |
| 174.200 | 0.0000 | 0.0000 | 82.079 | 0.01626 | 0.00000 | 319537.6 | 135953.9 | 183122.1 | S |
| 174.208 | 0.0000 | 0.0000 | 82.079 | 0.01626 | 0.00000 | 319537.6 | 135954.4 | 183122.1 | S |
| 174.217 | 0.0000 | 0.0000 | 82.079 | 0.01626 | 0.00000 | 319537.6 | 135954.9 | 183122.1 | S |
| 174.225 | 0.0000 | 0.0000 | 82.079 | 0.01625 | 0.00000 | 319537.6 | 135955.4 | 183122.1 | S |
| 174.233 | 0.0000 | 0.0000 | 82.079 | 0.01625 | 0.00000 | 319537.6 | 135955.9 | 183122.1 | S |
| 174.242 | 0.0000 | 0.0000 | 82.079 | 0.01625 | 0.00000 | 319537.6 | 135956.3 | 183122.1 | S |
| 174.250 | 0.0000 | 0.0000 | 82.079 | 0.01625 | 0.00000 | 319537.6 | 135956.8 | 183122.1 | S |
| 174.258 | 0.0000 | 0.0000 | 82.079 | 0.01625 | 0.00000 | 319537.6 | 135957.3 | 183122.1 | S |
| 174.267 | 0.0000 | 0.0000 | 82.079 | 0.01625 | 0.00000 | 319537.6 | 135957.8 | 183122.1 | S |
| 174.275 | 0.0000 | 0.0000 | 82.078 | 0.01625 | 0.00000 | 319537.6 | 135958.3 | 183122.1 | S |
| 174.283 | 0.0000 | 0.0000 | 82.078 | 0.01624 | 0.00000 | 319537.6 | 135958.8 | 183122.1 | S |
| 174.292 | 0.0000 | 0.0000 | 82.078 | 0.01624 | 0.00000 | 319537.6 | 135959.3 | 183122.1 | S |
| 174.300 | 0.0000 | 0.0000 | 82.078 | 0.01624 | 0.00000 | 319537.6 | 135959.8 | 183122.1 | S |
| 174.308 | 0.0000 | 0.0000 | 82.078 | 0.01624 | 0.00000 | 319537.6 | 135960.3 | 183122.1 | S |
| 174.317 | 0.0000 | 0.0000 | 82.078 | 0.01624 | 0.00000 | 319537.6 | 135960.7 | 183122.1 | S |
| 174.325 | 0.0000 | 0.0000 | 82.078 | 0.01624 | 0.00000 | 319537.6 | 135961.2 | 183122.1 | S |
| 174.333 | 0.0000 | 0.0000 | 82.078 | 0.01623 | 0.00000 | 319537.6 | 135961.7 | 183122.1 | S |
| 174.342 | 0.0000 | 0.0000 | 82.078 | 0.01623 | 0.00000 | 319537.6 | 135962.2 | 183122.1 | S |
| 174.350 | 0.0000 | 0.0000 | 82.078 | 0.01623 | 0.00000 | 319537.6 | 135962.7 | 183122.1 | S |
| 174.358 | 0.0000 | 0.0000 | 82.078 | 0.01623 | 0.00000 | 319537.6 | 135963.2 | 183122.1 |  |
| 174.367 | 0.0000 | 0.0000 | 82.078 | 0.01623 | 0.00000 | 319537.6 | 135963.7 | 183122.1 | S |
| 174.375 | 0.0000 | 0.0000 | 82.077 | 0.01623 | 0.00000 | 319537.6 | 135964.1 | 183122.1 | S |
| 174.383 | 0.0000 | 0.0000 | 82.077 | 0.01623 | 0.00000 | 319537.6 | 135964.6 | 183122.1 | S |
| 174.392 | 0.0000 | 0.0000 | 82.077 | 0.01622 | 0.00000 | 319537.6 | 135965.1 | 183122.1 | S |
| 174.400 | 0.0000 | 0.0000 | 82.077 | 0.01622 | 0.00000 | 319537.6 | 135965.6 | 183122.1 | S |
| 174.408 | 0.0000 | 0.0000 | 82.077 | 0.01622 | 0.00000 | 319537.6 | 135966.1 | 183122.1 | S |
| 174.417 | 0.0000 | 0.0000 | 82.077 | 0.01622 | 0.00000 | 319537.6 | 135966.6 | 183122.1 | S |
| 174.425 | 0.0000 | 0.0000 | 82.077 | 0.01622 | 0.00000 | 319537.6 | 135967.1 | 183122.1 | S |
| 174.433 | 0.0000 | 0.0000 | 82.077 | 0.01622 | 0.00000 | 319537.6 | 135967.5 | 183122.1 | S |
| 174.442 | 0.0000 | 0.0000 | 82.077 | 0.01622 | 0.00000 | 319537.6 | 135968.0 | 183122.1 | S |
| 174.450 | 0.0000 | 0.0000 | 82.077 | 0.01621 | 0.00000 | 319537.6 | 135968.5 | 183122.1 | S |
| 174.458 | 0.0000 | 0.0000 | 82.077 | 0.01621 | 0.00000 | 319537.6 | 135969.0 | 183122.1 | S |
| 174.467 | 0.0000 | 0.0000 | 82.077 | 0.01621 | 0.00000 | 319537.6 | 135969.5 | 183122.1 | S |
| 174.475 | 0.0000 | 0.0000 | 82.076 | 0.01621 | 0.00000 | 319537.6 | 135970.0 | 183122.1 | S |
| 174.483 | 0.0000 | 0.0000 | 82.076 | 0.01621 | 0.00000 | 319537.6 | 135970.5 | 183122.1 | S |
| 174.492 | 0.0000 | 0.0000 | 82.076 | 0.01621 | 0.00000 | 319537.6 | 135971.0 | 183122.1 | S |
| 174.500 | 0.0000 | 0.0000 | 82.076 | 0.01621 | 0.00000 | 319537.6 | 135971.4 | 183122.1 | S |
| 174.508 | 0.0000 | 0.0000 | 82.076 | 0.01620 | 0.00000 | 319537.6 | 135971.9 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside <br> Recharge (f/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overtiow Discharge (ft ${ }^{3} / \mathrm{s}$ ) | Cumulative !nflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume (ft ${ }^{3}$ ) | Cumulative Discharge Votume ( $\mathrm{tt}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 174.517 | 0.0000 | 0.0000 | 82.076 | 0.01620 | 0.00000 | 319537.6 | 135972.4 | 183122.1 | S |
| 174.525 | 0.0000 | 0.0000 | 82.076 | 0.01620 | 0.00000 | 319537.6 | 135972.9 | 183122.1 | S |
| 174.533 | 0.0000 | 0.0000 | 82.076 | 0.01620 | 0.00000 | 319537.6 | 135973.4 | 183122.1 | S |
| 174.542 | 0.0000 | 0.0000 | 82.076 | 0.01620 | 0.00000 | 319537.6 | 135973.9 | 183122.1 | S |
| 174.550 | 0.0000 | 0.0000 | 82.076 | 0.07620 | 0.00000 | 319537.6 | 135974.4 | 183122.1 | S |
| 174.558 | 0.0000 | 0.0000 | 82.076 | 0.01619 | 0.00000 | 319537.6 | 135974.8 | 183122.1 | S |
| 174.567 | 0.0000 | 0.0000 | 82.076 | 0.01619 | 0.00000 | 319537.6 | 135975.3 | 183122.1 | S |
| 174.575 | 0.0000 | 0.0000 | 82.075 | 0.01619 | 0.00000 | 319537.6 | 135975.8 | 183122.1 | S |
| 174.583 | 0.0000 | 0.0000 | 82.075 | 0.01619 | 0.00000 | 319537.6 | 135976.3 | 183122.1 | S |
| 174.592 | 0.0000 | 0.0000 | 82.075 | 0.01619 | 0.00000 | 319537.6 | 135976.8 | 183122.1 | S |
| 174.600 | 0.0000 | 0.0000 | 82.075 | 0.01619 | 0.00000 | 319537.6 | 135977.3 | 183122.1 | S |
| 174.608 | 0.0000 | 0.0000 | 82.075 | 0.01619 | 0.00000 | 319537.6 | 135977.8 | 183122.1 | S |
| 174.617 | 0.0000 | 0.0000 | 82.075 | 0.01618 | 0.00000 | 319537.6 | 135978.2 | 183122.1 | S |
| 174.625 | 0.0000 | 0.0000 | 82.075 | 0.01618 | 0.00000 | 319537.6 | 135978.7 | 183122.1 | S |
| 174.633 | 0.0000 | 0.0000 | 82.075 | 0.01618 | 0.00000 | 319537.6 | 135979.2 | 183122.1 | S |
| 174.642 | 0.0000 | 0.0000 | 82.075 | 0.01618 | 0.00000 | 319537.6 | 135979.7 | 183122.1 | S |
| 174.650 | 0.0000 | 0.0000 | 82.075 | 0.01618 | 0.00000 | 319537.6 | 135980.2 | 183122.1 | S |
| 174.658 | 0.0000 | 0.0000 | 82.075 | 0.01618 | 0.00000 | 319537.6 | 135980.7 | 183122.1 | S |
| 174.667 | 0.0000 | 0.0000 | 82.075 | 0.01618 | 0.00000 | 319537.6 | 135981.2 | 183122.1 | S |
| 174.675 | 0.0000 | 0.0000 | 82.074 | 0.01617 | 0.00000 | 319537.6 | 135981.6 | 183122.1 | S |
| 174.683 | 0.0000 | 0.0000 | 82.074 | 0.01617 | 0.00000 | 319537.6 | 135982.1 | 183122.1 | S |
| 174.692 | 0.0000 | 0.0000 | 82.074 | 0.01617 | 0.00000 | 319537.6 | 135982.6 | ¢83122.1 | S |
| 174.700 | 0.0000 | 0.0000 | 82.074 | 0.01617 | 0.00000 | 319537.6 | 135983.1 | 183122.1 | S |
| 174.708 | 0.0000 | 0.0000 | 82.074 | 0.01617 | 0.00000 | 319537.6 | 135983.6 | 183122.1 | S |
| 174.7 §7 | 0.0000 | 0.0000 | 82.074 | 0.01617 | 0.00000 | 319537.6 | 135984.1 | 183122.1 | S |
| 174.725 | 0.0000 | 0.0000 | 82.074 | 0.01617 | 0.00000 | 319537.6 | 135984.5 | 183122.1 | S |
| 174.733 | 0.0000 | 0.0000 | 82.074 | 0.01616 | 0.00000 | 319537.6 | 135985.0 | 183122.1 | S |
| 174.742 | 0.0000 | 0.0000 | 82.074 | 0.01616 | 0.00000 | 319537.6 | 135985.5 | 183122.1 | S |
| 174.750 | 0.0000 | 0.0000 | 82.074 | 0.01616 | 0.00000 | 319537.6 | 135986.0 | 183122.1 | S |
| 174.758 | 0.0000 | 0.0000 | 82.074 | 0.01616 | 0.00000 | 319537.6 | 135986.5 | 183122.1 | S |
| 174.767 | 0.0000 | 0.0000 | 82.074 | 0.01616 | 0.00000 | 319537.6 | 135987.0 | 183122.1 | S |
| 174.775 | 0.0000 | 0.0000 | 82.073 | 0.01616 | 0.00000 | 319537.6 | 135987.5 | 183122.1 | S |
| 174.783 | 0.0000 | 0.0000 | 82.073 | 0.01615 | 0.00000 | 319537.6 | 135987.9 | 183122.1 | S |
| 174.792 | 0.0000 | 0.0000 | 82.073 | 0.01615 | 0.00000 | 319537.6 | 135988.4 | 183122.1 | S |
| 174.800 | 0.0000 | 0.0000 | 82.073 | 0.01615 | 0.00000 | 319537.6 | 135988.9 | 183122.1 | S |
| 174.808 | 0.0000 | 0.0000 | 82.073 | 0.01615 | 0.00000 | 319537.6 | 135989.4 | 183122.1 | S |
| 174.817 | 0.0000 | 0.0000 | 82.073 | 0.01615 | 0.00000 | 319537.6 | 135989.9 | 183122.1 | S |
| 174.825 | 0.0000 | 0.0000 | 82.073 | 0.01615 | 0.00000 | 319537.6 | 135990.4 | 183122.1 | S |
| 174.833 | 0.0000 | 0.0000 | 82.073 | 0.01615 | 0.00000 | 319537.6 | 135990.8 | 183122.1 | S |
| 174.842 | 0.0000 | 0.0000 | 82.073 | 0.01614 | 0.00000 | 319537.6 | 135991.3 | 183122.1 | S |
| 174.850 | 0.0000 | 0.0000 | 82.073 | 0.01614 | 0.00000 | 319537.6 | 135991.8 | 183122.1 | S |
| 174.858 | 0.0000 | 0.0000 | 82.073 | 0.01614 | 0.00000 | 319537.6 | 135992.3 | 183122.1 | S |
| 174.867 | 0.0000 | 0.0000 | 82.073 | 0.01614 | 0.00000 | 319537.6 | 135992.8 | 183122.1 | S |
| 174.875 | 0.0000 | 0.0000 | 82.072 | 0.01614 | 0.00000 | 319537.6 | 135993.3 | 183122.1 | S |
| 174.883 | 0.0000 | 0.0000 | 82.072 | 0.01614 | 0.00000 | 319537.6 | 135993.8 | 183122.1 | S |
| 174.892 | 0.0000 | 0.0000 | 82.072 | 0.01614 | 0.00000 | 319537.6 | 135994.2 | 183122.1 | S |
| 174.900 | 0.0000 | 0.0000 | 82.072 | 0.01613 | 0.00000 | 319537.6 | 135994.7 | 183122.1 | S |
| 174.908 | 0.0000 | 0.0000 | 82.072 | 0.01613 | 0.00000 | 319537.6 | 135995.2 | 183122.1 | S |
| 174.917 | 0.0000 | 0.0000 | 82.072 | 0.01613 | 0.00000 | 319537.6 | 135995.7 | 183122.1 | S |
| 174.925 | 0.0000 | 0.0000 | 82.072 | 0.01613 | 0.00000 | 319537.6 | 135996.2 | 183122, 1 | S |
| 174.933 | 0.0000 | 0.0000 | 82.072 | 0.01613 | 0.00000 | 319537.6 | 135996.7 | 183122.1 | S |
| 174.942 | 0.0000 | 0.0000 | 82.072 | 0.01613 | 0.00000 | 319537.6 | 135997.1 | 183122.1 | S |
| 174.950 | 0.0000 | 0.0000 | 82.072 | 0.01613 | 0.00000 | 319537.6 | 135997.6 | 183122.1 | S |
| 174.958 | 0.0000 | 0.0000 | 82.072 | 0.01612 | 0.00000 | 319537.6 | 135998.1 | 183122.1 | S |
| 174.967 | 0.0000 | 0.0000 | 82.072 | 0.01612 | 0.00000 | 319537.6 | 135998.6 | 183122.1 | S |
| 174.975 | 0.0000 | 0.0000 | 82.072 | 0.01612 | 0.00000 | 319537.6 | 135999.1 | 183122.1 | S |
| 174.983 | 0.0000 | 0.0000 | 82.071 | 0.01612 | 0.00000 | 319537.6 | 135999.6 | 183122.1 | S |
| 174.992 | 0.0000 | 0.0000 | 82.071 | 0.01612 | 0.00000 | 319537.6 | 136000.0 | 183122.1 | S |
| 175.000 | 0.0000 | 0.0000 | 82.071 | 0.01612 | 0.00000 | 319537.6 | 136000.5 | 183122.1 | S |
| 175.008 | 0.0000 | 0.0000 | 82.071 | 0.01612 | 0.00000 | 319537.6 | 136001.0 | 183122.1 | S |
| 175.017 | 0.0000 | 0.0000 | 82.071 | 0.01611 | 0.00000 | 319537.6 | 136001.5 | 183122.1 | S |
| 175.025 | 0.0000 | 0.0000 | 82.071 | 0.01611 | 0.00000 | 319537.6 | 136002.0 | 183122.1 | S |
| 175.033 | 0.0000 | 0.0000 | 82.071 | 0.01611 | 0.00000 | 319537.6 | 136002.5 | 183122.1 | S |
| 175.042 | 0.0000 | 0.0000 | 82.071 | 0.01611 | 0.00000 | 319537.6 | 136002.9 | 183122.1 | S |
| 175.050 | 0.0000 | 0.0000 | 82.071 | 0.01611 | 0.00000 | 319537.6 | 136003.4 | 183122.1 | S |
| 175.058 | 0.0000 | 0.0000 | 82.071 | 0.01611 | 0.00000 | 319537.6 | 136003.9 | 183122.1 | S |
| 175.067 | 0.0000 | 0.0000 | 82.071 | 0.01610 | 0.00000 | 319537.6 | 136004.4 | 183122.1 | S |
| 175.075 | 0.0000 | 0.0000 | 82.071 | 0.01610 | 0.00000 | 319537.6 | 136004.9 | 183122.1 | S |
| 175.083 | 0.0000 | 0.0000 | 82.070 | 0.01610 | 0.00000 | 319537.6 | 136005.4 | 183122.1 | S |
| 175.092 | 0.0000 | 0.0000 | 82.070 | 0.01610 | 0.00000 | 319537.6 | 136005.8 | 183122.1 | S |
| 175.100 | 0.0000 | 0.0000 | 82.070 | 0.01610 | 0.00000 | 319537.6 | 136006.3 | 183122.1 | S |
| 175.108 | 0.0000 | 0.0000 | 82.070 | 0.01610 | 0.00000 | 319537.6 | 136006.8 | 183122.1 | S |
| 175.117 | 0.0000 | 0.0000 | 82.070 | 0.01610 | 0.00000 | 319537.6 | 136007.3 | 183122.1 | S |
| 175.125 | 0.0000 | 0.0000 | 82.070 | 0.01609 | 0.00000 | 319537.6 | 136007.8 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiliration Rate (ft ${ }^{3 / s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{S}$ ) | Cumulative Inflow Volume ( $\mathrm{H}^{3}$ ) | Cumulative Infitration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{H}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 175.133 | 0.0000 | 0.0000 | 82.070 | 0.01609 | 0.00000 | 319537.6 | 136008.3 | 183122.1 | S |
| 175.142 | 0.0000 | 0.0000 | 82.070 | 0.01609 | 0.00000 | 319537.6 | 136008.7 | 183122.1 | S |
| 175.150 | 0.0000 | 0.0000 | 82.070 | 0.01609 | 0.00000 | 319537.6 | 136009.2 | 183122.1 | S |
| 175.158 | 0.0000 | 0.0000 | 82.070 | 0.01609 | 0.00000 | 319537.6 | 136009.7 | 183122.1 | S |
| 175.167 | 0.0000 | 0.0000 | 82.070 | 0.01609 | 0.00000 | 319537.6 | 136010.2 | 183122.1 | S |
| 175.175 | 0.0000 | 0.0000 | 82.070 | 0.01609 | 0.00000 | 319537.6 | 136010.7 | 183122.1 | S |
| 175.183 | 0.0000 | 0.0000 | 82.069 | 0.01608 | 0.00000 | 319537.6 | 136011.2 | 183122.1 | S |
| 175.192 | 0.0000 | 0.0000 | 82.069 | 0.01608 | 0.00000 | 319537.6 | 136011.6 | 183122.1 | S |
| 175.200 | 0.0000 | 0.0000 | 82.069 | 0.01608 | 0.00000 | 319537.6 | 136012.1 | 183122.1 | S |
| 175.208 | 0.0000 | 0.0000 | 82.069 | 0.01608 | 0.00000 | 319537.6 | 136012.6 | 183122.1 | S |
| 175.217 | 0.0000 | 0.0000 | 82.069 | 0.01608 | 0.00000 | 319537.6 | 136013.1 | 183122.1 | S |
| 175.225 | 0.0000 | 0.0000 | 82.069 | 0.01608 | 0.00000 | 319537.6 | 136013.6 | 183122.1 | S |
| 175.233 | 0.0000 | 0.0000 | 82.069 | 0.01608 | 0.00000 | 319537.6 | 136014.0 | 183122.1 | S |
| 175.242 | 0.0000 | 0.0000 | 82.069 | 0.01607 | 0.00000 | 319537.6 | 136014.5 | 183122.1 | S |
| 175.250 | 0.0000 | 0.0000 | 82.069 | 0.01607 | 0.00000 | 319537.6 | 136015.0 | 183122.1 | S |
| 175.258 | 0.0000 | 0.0000 | 82.069 | 0.01607 | 0.00000 | 319537.6 | 136015.5 | 183122.1 | S |
| 175.267 | 0.0000 | 0.0000 | 82.069 | 0.01607 | 0.00000 | 319537.6 | 136016.0 | 183122.1 | S |
| 175.275 | 0.0000 | 0.0000 | 82.069 | 0.01607 | 0.00000 | 319537.6 | 136016.5 | 183122.1 | S |
| 175.283 | 0.0000 | 0.0000 | 82.068 | 0.01607 | 0.00000 | 319537.6 | 136016.9 | 183122.1 | S |
| 175.292 | 0.0000 | 0.0000 | 82.068 | 0.01607 | 0.00000 | 319537.6 | 136017.4 | 183122.1 | S |
| 175.300 | 0.0000 | 0.0000 | 82.068 | 0.01606 | 0.00000 | 319537.6 | 136017.9 | 183122.1 | S |
| 175.308 | 0.0000 | 0.0000 | 82.068 | 0.01606 | 0.00000 | 319537.6 | 136018.4 | 183122.4 | S |
| 175.317 | 0.0000 | 0.0000 | 82.068 | 0.01606 | 0.00000 | 319537.6 | 136018.9 | 183122.1 | S |
| 175.325 | 0.0000 | 0.0000 | 82.068 | 0.01606 | 0.00000 | 319537.6 | 136019.3 | 183122.1 | S |
| 175.333 | 0.0000 | 0.0000 | 82.068 | 0.01606 | 0.00000 | 319537.6 | 136019.8 | 183122.1 | S |
| 175.342 | 0.0000 | 0.0000 | 82.068 | 0.01606 | 0.00000 | 319537.6 | 136020.3 | 183122.1 | S |
| 175.350 | 0.0000 | 0.0000 | 82.068 | 0.01606 | 0.00000 | 319537.6 | 136020.8 | 183122.1 | S |
| 175.358 | 0.0000 | 0.0000 | 82.068 | 0.01605 | 0.00000 | 319537.6 | 136021.3 | 183122.1 | S |
| 175.367 | 0.0000 | 0.0000 | 82.068 | 0.01605 | 0.00000 | 319537.6 | 136021.8 | 183122.1 | S |
| 175.375 | 0.0000 | 0.0000 | 82.068 | 0.01605 | 0.00000 | 319537.6 | 136022.2 | 183122.1 | S |
| 175.383 | 0.0000 | 0.0000 | 82.067 | 0.01605 | 0.00000 | 319537.6 | 136022.7 | 183122.1 | S |
| 175.392 | 0.0000 | 0.0000 | 82.067 | 0.01605 | 0.00000 | 319537.6 | 136023.2 | 183122.1 | S |
| 175.400 | 0.0000 | 0.0000 | 82.067 | 0.01605 | 0.00000 | 319537.6 | 136023.7 | 183122.1 | S |
| 175.408 | 0.0000 | 0.0000 | 82.067 | 0.01604 | 0.00000 | 319537.6 | 136024.2 | 183122.1 | S |
| 175.417 | 0.0000 | 0.0000 | 82.067 | 0.01604 | 0.00000 | 319537.6 | 136024.6 | 183122.1 | S |
| 175.425 | 0.0000 | 0.0000 | 82.067 | 0.01604 | 0.00000 | 319537.6 | 136025.1 | 183122.1 | S |
| 175.433 | 0.0000 | 0.0000 | 82.067 | 0.01604 | 0.00000 | 319537.6 | 136025.6 | 183122.1 | S |
| \$75.442 | 0.0000 | 0.0000 | 82.067 | 0.01604 | 0.00000 | 319537.6 | 136026.1 | 183122.1 | S |
| 175.450 | 0.0000 | 0.0000 | 82.067 | 0.01604 | 0.00000 | 319537.6 | 136026.6 | 183122.1 | S |
| 175.458 | 0.0000 | 0.0000 | 82.067 | 0.01604 | 0.00000 | 319537.6 | 136027.0 | 183122.1 | S |
| 175.467 | 0.0000 | 0.0000 | 82.067 | 0.01603 | 0.00000 | 319537.6 | 136027.5 | 183122.1 | S |
| 175.475 | 0.0000 | 0.0000 | 82.067 | 0.01603 | 0.00000 | 319537.6 | 136028.0 | 183122.1 | S |
| 175.483 | 0.0000 | 0.0000 | 82.067 | 0.01603 | 0.00000 | 319537.6 | 136028.5 | 183122.1 | S |
| 175.492 | 0.0000 | 0.0000 | 82.066 | 0.01603 | 0.00000 | 319537.6 | 136029.0 | 183122.1 | S |
| 175.500 | 0.0000 | 0.0000 | 82.066 | 0.01603 | 0.00000 | 319537.6 | 136029.5 | 183122.1 | S |
| 175.508 | 0.0000 | 0.0000 | 82.066 | 0.01603 | 0.00000 | 319537.6 | 136029.9 | 183122.1 | S |
| 175.517 | 0.0000 | 0.0000 | 82.066 | 0.01603 | 0.00000 | 319537.6 | 136030.4 | 183122.1 | S |
| 175.525 | 0.0000 | 0.0000 | 82.066 | 0.01602 | 0.00000 | 319537.6 | 136030.9 | 183122.1 | S |
| 175.533 | 0.0000 | 0.0000 | 82.066 | 0.01602 | 0.00000 | 319537.6 | 136031.4 | 183122.1 | S |
| 175.542 | 0.0000 | 0.0000 | 82.066 | 0.01602 | 0.00000 | 319537.6 | 136031.9 | 183122.1 | S |
| 175.550 | 0.0000 | 0.0000 | 82.066 | 0.01602 | 0.00000 | 319537.6 | 136032.3 | $183\{22.1$ | S |
| 175.558 | 0.0000 | 0.0000 | 82.066 | 0.01602 | 0.00000 | 319537.6 | 136032.8 | 183122.1 | S |
| \$75.567 | 0.0000 | 0.0000 | 82.066 | 0.01602 | 0.00000 | 319537.6 | 136033.3 | 183122.1 | S |
| 175.575 | 0.0000 | 0.0000 | 82.066 | 0.01602 | 0.00000 | 319537.6 | 136033.8 | 183122.1 | S |
| 175.583 | 0.0000 | 0.0000 | 82.066 | 0.01601 | 0.00000 | 319537.6 | 136034.3 | 183122.1 | S |
| 175.592 | 0.0000 | 0.0000 | 82.065 | 0.01601 | 0.00000 | 319537.6 | 136034.8 | 183122.1 | S |
| 175.600 | 0.0000 | 0.0000 | 82.065 | 0.01601 | 0.00000 | 319537.6 | 136035.2 | 183122.1 | S |
| 175.608 | 0.0000 | 0.0000 | 82.065 | 0.01601 | 0.00000 | 319537.6 | 136035.7 | 183122.1 | S |
| 175.617 | 0.0000 | 0.0000 | 82.065 | 0.01601 | 0.00000 | 319537.6 | 136036.2 | 183122.1 | S |
| 175.625 | 0.0000 | 0.0000 | 82.065 | 0.01601 | 0.00000 | 319537.6 | 136036.7 | 183122.1 | S |
| 175.633 | 0.0000 | 0.0000 | 82.065 | 0.01601 | 0.00000 | 319537.6 | 136037.1 | 183122.1 | S |
| 175.642 | 0.0000 | 0.0000 | 82.065 | 0.01600 | 0.00000 | 319537.6 | 136037.6 | 183122.1 | S |
| 175.650 | 0.0000 | 0.0000 | 82.065 | 0.01600 | 0.00000 | 319537.6 | 136038.1 | 183122.1 | S |
| 175.658 | 0.0000 | 0.0000 | 82.065 | 0.01600 | 0.00000 | 319537.6 | 136038.6 | 183122.1 | S |
| 175.667 | 0.0000 | 0.0000 | 82.065 | 0.01600 | 0.00000 | 319537.6 | 136039.1 | 183122.1 | S |
| 175.675 | 0.0000 | 0.0000 | 82.065 | 0.01600 | 0.00000 | 319537.6 | 136039.5 | 183122.1 | S |
| 175.683 | 0.0000 | 0.0000 | 82.065 | 0.01600 | 0.00000 | 319537.6 | 136040.0 | 183122.1 | S |
| 175.692 | 0.0000 | 0.0000 | 82.064 | 0.01600 | 0.00000 | 319537.6 | 136040.5 | 183122.1 | S |
| 175.700 | 0.0000 | 0.0000 | 82.064 | 0.01599 | 0.00000 | 319537.6 | 136041.0 | 183122.1 | S |
| 175.708 | 0.0000 | 0.0000 | 82.064 | 0.01599 | 0.00000 | 319537.6 | 136041.5 | 183122.1 | S |
| 175.717 | 0.0000 | 0.0000 | 82.064 | 0.01599 | 0.00000 | 319537.6 | 136042.0 | 183122.1 | S |
| 175.725 | 0.0000 | 0.0000 | 82.064 | 0.01599 | 0.00000 | 319537.6 | 136042.4 | 183122.1 | S |
| 175.733 | 0.0000 | 0.0000 | 82.064 | 0.01599 | 0.00000 | 319537.6 | 136042.9 | 183122.1 | S |
| 175.742 | 0.0000 | 0.0000 | 82.064 | 0.01599 | 0.00000 | 319537.6 | 136043.4 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/overflow

| Elapsed Time (hours) | Inflow Rate (f $\mathrm{f}^{3 / \mathrm{s} \text { ) }) ~}$ | Outside Recharge (ft/day) | Stage Elevation ( f datum) | Infiltration Rate (ft ${ }^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 175.750 | 0.0000 | 0.0000 | 82.064 | 0.01599 | 0.00000 | 319537.6 | 136043.9 | 183122.1 | S |
| 175.758 | 0.0000 | 0.0000 | 82.064 | 0.01598 | 0.00000 | 319537.6 | 136044.3 | 183122.1 | S |
| 175.767 | 0.0000 | 0.0000 | 82.064 | 0.01598 | 0.00000 | 319537.6 | 136044.8 | 183122.1 | S |
| 175.775 | 0.0000 | 0.0000 | 82.064 | 0.01598 | 0.00000 | 319537.6 | 136045.3 | 183122.1 | S |
| 175.783 | 0.0000 | 0.0000 | 82.064 | 0.01598 | 0.00000 | 319537.6 | 136045.8 | 183122.1 | S |
| 175.792 | 0.0000 | 0.0000 | 82.063 | 0.01598 | 0.00000 | 319537.6 | 736046.3 | 183122.1 | S |
| 175.800 | 0.0000 | 0.0000 | 82.063 | 0.04598 | 0.00000 | 319537.6 | 136046.7 | 183122.1 | S |
| 175.808 | 0.0000 | 0.0000 | 82.063 | 0.01598 | 0.00000 | 319537.6 | 136047.2 | 183122.1 | S |
| 175.817 | 0.0000 | 0.0000 | 82.063 | 0.01597 | 0.00000 | 319537.6 | 136047.7 | 183122.1 | S |
| 175.825 | 0.0000 | 0.0000 | 82.063 | 0.01597 | 0.00000 | 319537.6 | 136048.2 | 183122.1 | S |
| 175.833 | 0.0000 | 0.0000 | 82.063 | 0.01597 | 0.00000 | 319537.6 | 136048.7 | 183122.1 | S |
| 175.842 | 0.0000 | 0.0000 | 82.063 | 0.01597 | 0.00000 | 319537.6 | 136049.1 | 183122.1 | 5 |
| 175.850 | 0.0000 | 0.0000 | 82.063 | 0.01597 | 0.00000 | 319537.6 | 136049.6 | 183122.1 | S |
| 175.858 | 0.0000 | 0.0000 | 82.063 | 0.01597 | 0.00000 | 319537.6 | 136050.1 | 183122.1 | 5 |
| 175.867 | 0.0000 | 0.0000 | 82.063 | 0.01597 | 0.00000 | 319537.6 | 136050.6 | 183122.1 | S |
| 175.875 | 0.0000 | 0.0000 | 82.063 | 0.01596 | 0.00000 | 319537.6 | 136051.0 | 183122.1 | S |
| 175.883 | 0.0000 | 0.0000 | 82.053 | 0.01596 | 0.00000 | 319537.6 | 136051.5 | 183122.1 | S |
| 175.892 | 0.0000 | 0.0000 | 82.062 | 0.01596 | 0.00000 | 319537.6 | 136052.0 | 183122.1 | S |
| 175.900 | 0.0000 | 0.0000 | 82.062 | 0.01596 | 0.00000 | 319537.6 | 136052.5 | 183122.1 | S |
| 175.908 | 0.0000 | 0.0000 | 82.062 | 0.01596 | 0.00000 | 319537.6 | 136053.0 | 183122.1 | S |
| 175.917 | 0.0000 | 0.0000 | 82.062 | 0.01596 | 0.00000 | 319537.6 | 136053.5 | \$83122.1 | S |
| 175.925 | 0.0000 | 0.0000 | 82.062 | 0.01595 | 0.00000 | 319537.6 | 136053.9 | 183122.1 | S |
| 175.933 | 0.0000 | 0.0000 | 82.062 | 0.01595 | 0.00000 | 319537.6 | 136054.4 | 183122.1 | S |
| 175.942 | 0.0000 | 0.0000 | 82.062 | 0.01595 | 0.00000 | 319537.6 | 136054.9 | 183122.1 | S |
| 175.950 | 0.0000 | 0.0000 | 82.062 | 0.01595 | 0.00000 | 319537.6 | 136055.4 | 183122.1 | S |
| 175.958 | 0.0000 | 0.0000 | 82.062 | 0.01595 | 0.00000 | 319537.6 | 136055.8 | 183122.1 | S |
| $\$ 75.967$ | 0.0000 | 0.0000 | 82.062 | 0.01595 | 0.00000 | 319537.6 | 136056.3 | 183122.1 | S |
| 175.975 | 0.0000 | 0.0000 | 82.062 | 0.01595 | 0.00000 | 319537.6 | 136056.8 | 183122.1 | S |
| 175.983 | 0.0000 | 0.0000 | 82.062 | 0.01594 | 0.00000 | 319537.6 | 136057.3 | 183122.1 | S |
| 175.992 | 0.0000 | 0.0000 | 82.062 | 0.01594 | 0.00000 | 319537.6 | 136057.8 | 183122.1 | S |
| 176.000 | 0.0000 | 0.0000 | 82.061 | 0.01594 | 0.00000 | 319537.6 | 136058.2 | 183122.1 | S |
| 176.008 | 0.0000 | 0.0000 | 82.061 | 0.01594 | 0.00000 | 319537.6 | 136058.7 | 183122.1 | S |
| 176.017 | 0.0000 | 0.0000 | 82.061 | 0.01594 | 0.00000 | 319537.6 | 136059.2 | 183122.1 | S |
| 176.025 | 0.0000 | 0.0000 | 82.061 | 0.01594 | 0.00000 | 319537.6 | 136059.7 | 183122.1 | S |
| 176.033 | 0.0000 | 0.0000 | 82.061 | 0.01594 | 0.00000 | 319537.6 | 136060.1 | 183122.1 | S |
| 176.042 | 0.0000 | 0.0000 | 82.061 | 0.01593 | 0.00000 | 319537.6 | 136060.6 | 183122.1 | S |
| 176.050 | 0.0000 | 0.0000 | 82.061 | 0.01593 | 0.00000 | 319537.6 | 136061.1 | 183122.1 | S |
| 176.058 | 0.0000 | 0.0000 | 82.061 | 0.01593 | 0.00000 | 319537.6 | 736061.6 | 183122.1 | S |
| 176.067 | 0.0000 | 0.0000 | 82.061 | 0.01593 | 0.00000 | 319537.6 | 136062.1 | 183122.1 | S |
| 176.075 | 0.0000 | 0.0000 | 82.061 | 0.01593 | 0.00000 | 319537.6 | 136062.5 | 183122.1 | S |
| 176.083 | 0.0000 | 0.0000 | 82.061 | 0.01593 | 0.00000 | 319537.6 | 136063.0 | 183122.4 | S |
| 176.092 | 0.0000 | 0.0000 | 82.061 | 0.01593 | 0.00000 | 319537.6 | 136063.5 | 183122.1 | S |
| 176.100 | 0.0000 | 0.0000 | 82.060 | 0.01592 | 0.00000 | 319537.6 | 136064.0 | 183122.1 | S |
| 176.108 | 0.0000 | 0.0000 | 82.060 | 0.01592 | 0.00000 | 319537.6 | 136064.5 | 183122.1 | S |
| 176.117 | 0.0000 | 0.0000 | 82.060 | 0.01592 | 0.00000 | 319537.6 | 136064.9 | 183122.1 | S |
| 176.125 | 0.0000 | 0.0000 | 82.060 | 0.01592 | 0.00000 | 319537.6 | 136065.4 | 183122.1 | S |
| 176.133 | 0.0000 | 0.0000 | 82.060 | 0.01592 | 0.00000 | 319537.6 | 136065.9 | 183122.1 | S |
| 176.142 | 0.0000 | 0.0000 | 82.060 | 0.01592 | 0.00000 | 319537.6 | 136056.4 | 183122.1 | S |
| 176.150 | 0.0000 | 0.0000 | 82.060 | 0.01592 | 0.00000 | 319537.6 | 136066.8 | 183122.1 | S |
| 176.158 | 0.0000 | 0.0000 | 82.060 | 0.01591 | 0.00000 | 319537.6 | 136067.3 | 183122.1 | S |
| 176.167 | 0.0000 | 0.0000 | 82.060 | 0.01591 | 0.00000 | 319537.6 | 136067.8 | 183122.1 | S |
| 176.175 | 0.0000 | 0.0000 | 82.060 | 0.01591 | 0.00000 | 319537.6 | 136068.3 | 183122.1 | S |
| 176.183 | 0.0000 | 0.0000 | 82.060 | 0.01591 | 0.00000 | 319537.6 | 136068.8 | 183122.1 | S |
| 176.192 | 0.0000 | 0.0000 | 82.060 | 0.01591 | 0.00000 | 319537.6 | 136069.2 | 183122.1 | S |
| 176.200 | 0.0000 | 0.0000 | 82.059 | 0.01591 | 0.00000 | 319537.6 | 136069.7 | 183122.1 | S |
| 176.208 | 0.0000 | 0.0000 | 82.059 | 0.01591 | 0.00000 | 319537.6 | 136070.2 | 183122.1 | S |
| 176.217 | 0.0000 | 0.0000 | 82.059 | 0.01590 | 0.00000 | 319537.6 | 136070.7 | 183122.1 | S |
| 176.225 | 0.0000 | 0.0000 | 82.059 | 0.01590 | 0.00000 | 319537.6 | 136071.1 | 183122.1 | S |
| 176.233 | 0.0000 | 0.0000 | 82.059 | 0.01590 | 0.00000 | 319537.6 | 136071.6 | 183122.1 | S |
| 176.242 | 0.0000 | 0.0000 | 82.059 | 0.01590 | 0.00000 | 319537.6 | 136072.1 | 183122.1 | S |
| 176.250 | 0.0000 | 0.0000 | 82.059 | 0.01590 | 0.00000 | 319537.6 | 136072.6 | 183122.1 | S |
| 176.258 | 0.0000 | 0.0000 | 82.059 | 0.01590 | 0.00000 | 319537.6 | 136073.0 | \$83122.1 | S |
| 176.267 | 0.0000 | 0.0000 | 82.059 | 0.01590 | 0.00000 | 319537.6 | 136073.5 | 183122.1 | S |
| 176.275 | 0.0000 | 0.0000 | 82.059 | 0.01589 | 0.00000 | 319537.6 | 136074.0 | 183122.1 | S |
| 176.283 | 0.0000 | 0.0000 | 82.059 | 0.01589 | 0.00000 | 319537.6 | 136074.5 | 183122.1 | S |
| 176.292 | 0.0000 | 0.0000 | 82.059 | 0.01589 | 0.00000 | 319537.6 | 136074.9 | 183122.1 | S |
| 176.300 | 0.0000 | 0.0000 | 82.059 | 0.01589 | 0.00000 | 319537.6 | 136075.4 | 183122.1 | S |
| 176.308 | 0.0000 | 0.0000 | 82.058 | 0.01589 | 0.00000 | 319537.6 | 136075.9 | 183122.1 | S |
| 176.317 | 0.0000 | 0.0000 | 82.058 | 0.01588 | 0.00000 | 319537.6 | 136076.4 | 183122.1 | S |
| 176.325 | 0.0000 | 0.0000 | 82.058 | 0.01589 | 0.00000 | 319537.6 | 136076.8 | 183122.1 | S |
| 176.333 | 0.0000 | 0.0000 | 82.058 | 0.01588 | 0.00000 | 319537.6 | 136077.3 | 183122.1 | S |
| 176.342 | 0.0000 | 0.0000 | 82.058 | 0.01588 | 0.00000 | 319537.6 | 136077.8 | 183122.1 | S |
| 176.350 | 0.0000 | 0.0000 | 82.058 | 0.01588 | 0.00000 | 319537.6 | 136078.3 | 183122.1 | S |
| 176.358 | 0.0000 | 0.0000 | 82.058 | 0.01588 | 0.00000 | 319537.6 | 136078.8 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 176.367 | 0.0000 | 0.0000 | 82.058 | 0.01588 | 0.00000 | 319537.6 | 136079.2 | 183122.1 | S |
| 176.375 | 0.0000 | 0.0000 | 82.058 | 0.01588 | 0.00000 | 319537.6 | 136079.7 | 183122.1 | S |
| 176.383 | 0.0000 | 0.0000 | 82.058 | 0.01588 | 0.00000 | 319537.6 | 136080.2 | 183122.1 | S |
| 176.392 | 0.0000 | 0.0000 | 82.058 | 0.01587 | 0.00000 | 319537.6 | 136080.7 | 183122.1 | S |
| 176.400 | 0.0000 | 0.0000 | 82.058 | 0.01587 | 0.00000 | 319537.6 | 136081.1 | 183122.1 | S |
| 176.408 | 0.0000 | 0.0000 | 82.057 | 0.01587 | 0.00000 | 319537.6 | 136081.6 | 183122.1 | S |
| 176.417 | 0.0000 | 0.0000 | 82.057 | 0.01587 | 0.00000 | 319537.6 | 136082.1 | 183122.1 | S |
| 176.425 | 0.0000 | 0.0000 | 82.057 | 0.01587 | 0.00000 | 319537.6 | 136082.6 | 183122.1 | S |
| 176.433 | 0.0000 | 0.0000 | 82.057 | 0.01587 | 0.00000 | 319537.6 | 136083.0 | 183122.1 | S |
| 176.442 | 0.0000 | 0.0000 | 82.057 | 0.01587 | 0.00000 | 319537.6 | 136083.5 | 183122.1 | S |
| 176.450 | 0.0000 | 0.0000 | 82.057 | 0.01586 | 0.00000 | 319537.6 | 136084.0 | 183122.1 | S |
| 176.458 | 0.0000 | 0.0000 | 82.057 | 0.01586 | 0.00000 | 319537.6 | 136084.5 | 183122.1 | S |
| 176.467 | 0.0000 | 0.0000 | 82.057 | 0.01586 | 0.00000 | 319537.6 | 136085.0 | 183122.1 | S |
| 176.475 | 0.0000 | 0.0000 | 82.057 | 0.01586 | 0.00000 | 319537.6 | 136085.4 | 183122.1 | S |
| 176.483 | 0.0000 | 0.0000 | 82.057 | 0.01586 | 0.00000 | 319537.6 | 136085.9 | 183122.1 | S |
| 176.492 | 0.0000 | 0.0000 | 82.057 | 0.01586 | 0.00000 | 319537.6 | 136086.4 | 183122.1 | S |
| 176.500 | 0.0000 | 0.0000 | 82.057 | 0.01586 | 0.00000 | 319537.6 | 136086.8 | 183122.1 | S |
| 176.508 | 0.0000 | 0.0000 | 82.056 | 0.01585 | 0.00000 | 319537.6 | 136087.3 | 183122.1 | S |
| 176.517 | 0.0000 | 0.0000 | 82.056 | 0.01585 | 0.00000 | 319537.6 | 136087.8 | 183122.1 | S |
| 176.525 | 0.0000 | 0.0000 | 82.056 | 0.01585 | 0.00000 | 319537.6 | 136088.3 | 183122.1 | S |
| 176.533 | 0.0000 | 0.0000 | 82.056 | 0.01585 | 0.00000 | 319537.6 | 136088.8 | 183122.1 | S |
| 176.542 | 0.0000 | 0.0000 | 82.056 | 0.01585 | 0.00000 | 319537.6 | 136089.2 | 183122.1 | S |
| 176.550 | 0.0000 | 0.0000 | 82.056 | 0.01585 | 0.00000 | 319537.6 | 136089.7 | 183122.1 | S |
| 176.558 | 0.0000 | 0.0000 | 82.056 | 0.01585 | 0.00000 | 319537.6 | 136090.2 | 183122.1 | S |
| 176.567 | 0.0000 | 0.0000 | 82.056 | 0.01584 | 0.00000 | 319537.6 | 136090.7 | 1831 | S |
| 176.575 | 0.0000 | 0.0000 | 82.056 | 0.01584 | 0.00000 | 319537.6 | 136091.1 | 183122.1 | S |
| 176.583 | 0.0000 | 0.0000 | 82.056 | 0.01584 | 0.00000 | 319537.6 | 136091.6 | 183122.1 | S |
| 176.592 | 0.0000 | 0.0000 | 82.056 | 0.01584 | 0.00000 | 319537.6 | 136092.1 | 183122.1 | S |
| 176.600 | 0.0000 | 0.0000 | 82.056 | 0.01584 | 0.00000 | 319537.6 | 136092.6 | 183122.1 | S |
| 176.608 | 0.0000 | 0.0000 | 82.056 | 0.01584 | 0.00000 | 319537.6 | 136093.0 | 183122.1 | S |
| 176.617 | 0.0000 | 0.0000 | 82.055 | 0.01584 | 0.00000 | 319537.6 | 136093.5 | 183122.1 | S |
| 176.625 | 0.0000 | 0.0000 | 82.055 | 0.01583 | 0.00000 | 319537.6 | 136094.0 | 183122.1 | S |
| 176.633 | 0.0000 | 0.0000 | 82.055 | 0.01583 | 0.00000 | 319537.6 | 136094.5 | 183122.1 | S |
| 176.642 | 0.0000 | 0.0000 | 82.055 | 0.01583 | 0.00000 | 319537.6 | 136094.9 | 183122.1 | S |
| 176.650 | 0.0000 | 0.0000 | 82.055 | 0.01583 | 0.00000 | 319537.6 | 136095.4 | 183122.1 | S |
| 176.658 | 0.0000 | 0.0000 | 82.055 | 0.01583 | 0.00000 | 319537.6 | 136095.9 | 183122.1 | S |
| \$76.667 | 0.0000 | 0.0000 | 82.055 | 0.01583 | 0.00000 | 319537.6 | 136096.4 | 183122.1 | S |
| 176.675 | 0.0000 | 0.0000 | 82.055 | 0.01583 | 0.00000 | 319537.6 | 136096.8 | 183122.1 | S |
| 176.683 | 0.0000 | 0.0000 | 82.055 | 0.01582 | 0.00000 | 319537.6 | 136097.3 | 183122.1 | S |
| 176.692 | 0.0000 | 0.0000 | 82.055 | 0.01582 | 0.00000 | 319537.6 | 136097.8 | 183122.1 | S |
| 176.700 | 0.0000 | 0.0000 | 82.055 | 0.01582 | 0.00000 | 319537.6 | 136098.3 | 183122.1 | S |
| 176.708 | 0.0000 | 0.0000 | 82.055 | 0.01582 | 0.00000 | 319537.6 | 136098.7 | 183122.1 | S |
| 176.717 | 0.0000 | 0.0000 | 82.054 | 0.01582 | 0.00000 | 319537.6 | 136099.2 | 183122.1 | S |
| 176.725 | 0.0000 | 0.0000 | 82.054 | 0.01582 | 0.00000 | 319537.6 | 136099.7 | 183122.1 | S |
| 176.733 | 0.0000 | 0.0000 | 82.054 | 0.01582 | 0.00000 | 319537.6 | 136100.2 | 183122.1 | S |
| 176.742 | 0.0000 | 0.0000 | 82.054 | 0.01581 | 0.00000 | 319537.6 | 136100.6 | 183122.1 | S |
| 176.750 | 0.0000 | 0.0000 | 82.054 | 0.01581 | 0.00000 | 319537.6 | 136101.1 | 183122.1 | S |
| 176.758 | 0.0000 | 0.0000 | 82.054 | 0.01581 | 0.00000 | 319537.6 | 136101.6 | 183122.1 | S |
| 176.767 | 0.0000 | 0.0000 | 82.054 | 0.01581 | 0.00000 | 319537.6 | 136102.0 | 183122.1 | S |
| 176.775 | 0.0000 | 0.0000 | 82.054 | 0.01581 | 0.00000 | 319537.6 | 136102.5 | 183122.1 | S |
| 176.783 | 0.0000 | 0.0000 | 82.054 | 0.01581 | 0.00000 | 319537.6 | 136103.0 | 183122.1 | S |
| 176.792 | 0.0000 | 0.0000 | 82.054 | 0.01581 | 0.00000 | 319537.6 | 136103.5 | 183122.1 | S |
| 176.800 | 0.0000 | 0.0000 | 82.054 | 0.01580 | 0.00000 | 319537.6 | 136104.0 | 183122.1 | S |
| 176.808 | 0.0000 | 0.0000 | 82.054 | 0.01580 | 0.00000 | 319537.6 | 136104.4 | 183122.1 | S |
| 176.817 | 0.0000 | 0.0000 | 82.053 | 0.01580 | 0.00000 | 319537.6 | 136104.9 | 183122.1 | S |
| 176.825 | 0.0000 | 0.0000 | 82.053 | 0.01580 | 0.00000 | 319537.6 | 136105.4 | 183122.1 | S |
| 176.833 | 0.0000 | 0.0000 | 82.053 | 0.01580 | 0.00000 | 319537.6 | 136105.8 | 183122.1 | S |
| 176.842 | 0.0000 | 0.0000 | 82.053 | 0.01580 | 0.00000 | 319537.6 | 136106.3 | 183122.1 | S |
| 176.850 | 0.0000 | 0.0000 | 82.053 | 0.01580 | 0.00000 | 319537.6 | 136106.8 | 183122.1 | S |
| 176.858 | 0.0000 | 0.0000 | 82.053 | 0.01579 | 0.00000 | 319537.6 | 136107.3 | 183122.1 | S |
| 176.867 | 0.0000 | 0.0000 | 82.053 | 0.01579 | 0.00000 | 319537.6 | 136107.7 | 183122.1 | S |
| 176.875 | 0.0000 | 0.0000 | 82.053 | 0.01579 | 0.00000 | 319537.6 | 136108.2 | 183122.1 | S |
| 176.883 | 0.0000 | 0.0000 | 82.053 | 0.01579 | 0.00000 | 319537.6 | 136108.7 | 183122.1 | S |
| 176.892 | 0.0000 | 0.0000 | 82.053 | 0.01579 | 0.00000 | 319537.6 | 136109.2 | 183122.1 | S |
| 176.900 | 0.0000 | 0.0000 | 82.053 | 0.01579 | 0.00000 | 319537.6 | 136109.6 | 183122.1 | S |
| 176.908 | 0.0000 | 0.0000 | 82.053 | 0.01579 | 0.00000 | 319537.6 | 136110.1 | 183122.1 | S |
| 176.917 | 0.0000 | 0.0000 | 82.053 | 0.01578 | 0.00000 | 319537.6 | 136110.6 | 183122.1 | S |
| 176.925 | 0.0000 | 0.0000 | 82.052 | 0.01578 | 0.00000 | 319537.6 | 136111.0 | 183122.1 | S |
| 176.933 | 0.0000 | 0.0000 | 82.052 | 0.01578 | 0.00000 | 319537.6 | 136111.5 | 183122.1 | S |
| 176.942 | 0.0000 | 0.0000 | 82.052 | 0.01578 | 0.00000 | 319537.6 | 136112.0 | 183122.1 | S |
| 176.950 | 0.0000 | 0.0000 | 82.052 | 0.01578 | 0.00000 | 319537.6 | 136112.5 | 183122.1 | S |
| 176.958 | 0.0000 | 0.0000 | 82.052 | 0.01578 | 0.00000 | 319537.6 | 136113.0 | 183122.1 | S |
| 176.967 | 0.0000 | 0.0000 | 82.052 | 0.01578 | 0.00000 | 319537.6 | 136113.4 | 183122.1 | S |
| 176.975 | 0.0000 | 0.0000 | 82.052 | 0.01577 | 0.00000 | 319537.6 | 136113.9 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge ( $\mathrm{F} / \mathrm{d}$ day) | Stage Elevation (ft datum) | Infiltration Rate (ft ${ }^{2} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume (fis) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 176.983 | 0.0000 | 0.0000 | 82.052 | 0.01577 | 0.00000 | 319537.6 | 136114.4 | 183122.1 | S |
| 176.992 | 0.0000 | 0.0000 | 82.052 | 0.01577 | 0.00000 | 319537.6 | 136114.8 | 183122.1 | S |
| 177.000 | 0.0000 | 0.0000 | 82.052 | 0.01577 | 0.00000 | 319537.6 | 136115.3 | 183122.1 | S |
| 177.008 | 0.0000 | 0.0000 | 82.052 | 0.01577 | 0.00000 | 319537.6 | 136115.8 | 183122.1 | S |
| 177.017 | 0.0000 | 0.0000 | 82.052 | 0.01577 | 0.00000 | 319537.6 | 136116.3 | 183122.1 | S |
| 177.025 | 0.0000 | 0.0000 | 82.051 | 0.01577 | 0.00000 | 319537.6 | 136116.7 | 183122.1 | S |
| 177.033 | 0.0000 | 0.0000 | 82.051 | 0.01576 | 0.00000 | 319537.6 | 136117.2 | 183122.1 | S |
| 177.042 | 0.0000 | 0.0000 | 82.051 | 0.01576 | 0.00000 | 319537.6 | 136117.7 | 183122.1 | S |
| 177.050 | 0.0000 | 0.0000 | 82.051 | 0.01576 | 0.00000 | 319537.6 | 136118.2 | 183122.1 | S |
| 177.058 | 0.0000 | 0.0000 | 82.051 | 0.01576 | 0.00000 | 319537.6 | 136118.6 | 183122.1 | S |
| 177.067 | 0.0000 | 0.0000 | 82.051 | 0.01576 | 0.00000 | 319537.6 | 136119.1 | 183122.1 | S |
| 177.075 | 0.0000 | 0.0000 | 82.051 | 0.01576 | 0.00000 | 319537.6 | 136119.6 | 183122.1 | S |
| 177.083 | 0.0000 | 0.0000 | 82.051 | 0.01576 | 0.00000 | 319537.6 | 136120.0 | 183122.1 | S |
| 177.092 | 0.0000 | 0.0000 | 82.051 | 0.01575 | 0.00000 | 319537.6 | 136120.5 | 183122.1 | S |
| 177.100 | 0.0000 | 0.0000 | 82.051 | 0.01575 | 0.00000 | 319537.6 | 136121.0 | 183122.1 | S |
| 177.108 | 0.0000 | 0.0000 | 82.051 | 0.01575 | 0.00000 | 319537.6 | 136121.5 | 183122.1 | S |
| 177.117 | 0.0000 | 0.0000 | 82.051 | 0.01575 | 0.00000 | 319537.6 | 136121.9 | 183122.1 | S |
| 177.125 | 0.0000 | 0.0000 | 82.050 | 0.01575 | 0.00000 | 319537.6 | 136122.4 | 183122.1 | S |
| 177.133 | 0.0000 | 0.0000 | 82.050 | 0.01575 | 0.00000 | 319537.6 | 136122.9 | 183122.1 | S |
| 177.142 | 0.0000 | 0.0000 | 82.050 | 0.01575 | 0.00000 | 319537.6 | 136123.3 | 183122.1 | S |
| 177.150 | 0.0000 | 0.0000 | 82.050 | 0.01574 | 0.00000 | 319537.6 | 136123.8 | 183122.1 | S |
| 177.158 | 0.0000 | 0.0000 | 82.050 | 0.01574 | 0.00000 | 319537.6 | 136124.3 | 183122.1 | S |
| 177.167 | 0.0000 | 0.0000 | 82.050 | 0.01574 | 0.00000 | 319537.6 | 136124.8 | 183122.1 | S |
| 177.175 | 0.0000 | 0.0000 | 82.050 | 0.01574 | 0.00000 | 319537.6 | 136125.2 | 183122.1 | S |
| 177.183 | 0.0000 | 0.0000 | 82.050 | 0.01574 | 0.00000 | 319537.6 | 136125.7 | 183122.1 | S |
| 177.192 | 0.0000 | 0.0000 | 82.050 | 0.01574 | 0.00000 | 319537.6 | 136126.2 | 183122.1 | S |
| 177.200 | 0.0000 | 0.0000 | 82.050 | 0.01574 | 0.00000 | 319537.6 | 136126.7 | 183122.1 | S |
| 177.208 | 0.0000 | 0.0000 | 82.050 | 0.01573 | 0.00000 | 319537.6 | 136127.1 | 183122.1 | S |
| 177.217 | 0.0000 | 0.0000 | 82.050 | 0.01573 | 0.00000 | 319537.6 | 136127.6 | 183122.1 | S |
| 177.225 | 0.0000 | 0.0000 | 82.050 | 0.01573 | 0.00000 | 319537.6 | 136128.1 | 183122.1 | S |
| 177.233 | 0.0000 | 0.0000 | 82.049 | 0.01573 | 0.00000 | 319537.6 | 136128.5 | 183122.1 | S |
| 177.242 | 0.0000 | 0.0000 | 82.049 | 0.01573 | 0.00000 | 319537.6 | 136129.0 | 183122.1 | S |
| 177.250 | 0.0000 | 0.0000 | 82.049 | 0.01573 | 0.00000 | 319537.6 | 136129.5 | 183122.1 | S |
| 177.258 | 0.0000 | 0.0000 | 82.049 | 0.01573 | 0.00000 | 319537.6 | 136130.0 | 183122.1 | S |
| 177.267 | 0.0000 | 0.0000 | 82.049 | 0.01572 | 0.00000 | 319537.6 | 136130.4 | 183122.1 | S |
| 177.275 | 0.0000 | 0.0000 | 82.049 | 0.01572 | 0.00000 | 319537.6 | 136130.9 | 183122.1 | S |
| 177.283 | 0.0000 | 0.0000 | 82.049 | 0.01572 | 0.00000 | 319537.6 | 136131.4 | 183122.1 | S |
| 177.292 | 0.0000 | 0.0000 | 82.049 | 0.01572 | 0.00000 | 319537.6 | 136131.8 | 183122.1 | S |
| 177.300 | 0.0000 | 0.0000 | 82.049 | 0.01572 | 0.00000 | 319537.6 | 136132.3 | 183122.1 | S |
| 177.308 | 0.0000 | 0.0000 | 82.049 | 0.01572 | 0.00000 | 319537.6 | 136132.8 | 183122.1 | S |
| 177.317 | 0.0000 | 0.0000 | 82.049 | 0.01572 | 0.00000 | 319537.6 | 136133.3 | 183122.1 | S |
| 177.325 | 0.0000 | 0.0000 | 82.049 | 0.01571 | 0.00000 | 319537.6 | 136133.7 | 183122.1 | S |
| 177.333 | 0.0000 | 0.0000 | 82.048 | 0.01571 | 0.00000 | 319537.6 | 136134.2 | 183122.1 | S |
| 177.342 | 0.0000 | 0.0000 | 82.048 | 0.01571 | 0.00000 | 319537.6 | 136134.7 | 183122.1 | S |
| 177.350 | 0.0000 | 0.0000 | 82.048 | 0.01571 | 0.00000 | 319537.6 | 136135.1 | 183122.1 | S |
| 177.358 | 0.0000 | 0.0000 | 82.048 | 0.01571 | 0.00000 | 319537.6 | 136135.6 | 183122.1 | S |
| 177.367 | 0.0000 | 0.0000 | 82.048 | 0.01571 | 0.00000 | 319537.6 | 136136.1 | 183122.1 | S |
| 177.375 | 0.0000 | 0.0000 | 82.048 | 0.01571 | 0.00000 | 319537.6 | 136136.6 | 183122.1 | S |
| \$77.383 | 0.0000 | 0.0000 | 82.048 | 0.01570 | 0.00000 | 319537.6 | 136137.0 | 183122.1 | S |
| 177.392 | 0.0000 | 0.0000 | 82.048 | 0.01570 | 0.00000 | 319537.6 | 136137.5 | 183122.1 | S |
| 177.400 | 0.0000 | 0.0000 | 82.048 | 0.01570 | 0.00000 | 319537.6 | 136138.0 | 183122.1 | S |
| 177.408 | 0.0000 | 0.0000 | 82.048 | 0.01570 | 0.00000 | 319537.6 | 136138.4 | 183122.1 | S |
| 177.417 | 0.0000 | 0.0000 | 82.048 | 0.01570 | 0.00000 | 319537.6 | 136138.9 | 183122.1 | S |
| 177.425 | 0.0000 | 0.0000 | 82.048 | 0.01570 | 0.00000 | 319537.6 | 136139.4 | 183122.1 | S |
| 177.433 | 0.0000 | 0.0000 | 82.047 | 0.01570 | 0.00000 | 319537.6 | 136139.9 | 183122.1 | S |
| 177.442 | 0.0000 | 0.0000 | 82.047 | 0.01569 | 0.00000 | 319537.6 | 136140.3 | 183122.1 | S |
| 177.450 | 0.0000 | 0.0000 | 82.047 | 0.01569 | 0.00000 | 319537.6 | 136140.8 | 183122.1 | S |
| 177.458 | 0.0000 | 0.0000 | 82.047 | 0.01569 | 0.00000 | 319537.6 | 136141.3 | 183122.1 | S |
| 177.467 | 0.0000 | 0.0000 | 82.047 | 0.01569 | 0.00000 | 319537.6 | 136141.7 | 183122.1 | S |
| 177.475 | 0.0000 | 0.0000 | 82.047 | 0.01569 | 0.00000 | 319537.6 | 136142.2 | 183122.1 | S |
| 177.483 | 0.0000 | 0.0000 | 82.047 | 0.01569 | 0.00000 | 319537.6 | 136142.7 | 183122.1 | S |
| 177.492 | 0.0000 | 0.0000 | 82.047 | 0.01569 | 0.00000 | 319537.6 | 136143.2 | 183122.1 | S |
| 177.500 | 0.0000 | 0.0000 | 82.047 | 0.01569 | 0.00000 | 319537.6 | 136143.6 | 183122.1 | S |
| 177.508 | 0.0000 | 0.0000 | 82.047 | 0.01568 | 0.00000 | 319537.6 | 136144.1 | 183122.1 | S |
| 177.517 | 0.0000 | 0.0000 | 82.047 | 0.01568 | 0.00000 | 319537.6 | 136144.6 | 183122.1 | S |
| 177.525 | 0.0000 | 0.0000 | 82.047 | 0.01568 | 0.00000 | 319537.6 | 136145.0 | 183122.1 | S |
| 177.533 | 0.0000 | 0.0000 | 82.047 | 0.01568 | 0.00000 | 319537.6 | \$36145.5 | 183122.1 | S |
| 177.542 | 0.0000 | 0.0000 | 82.046 | 0.01568 | 0.00000 | 319537.6 | 136146.0 | 183122.1 | S |
| 177.550 | 0.0000 | 0.0000 | 82.046 | 0.01568 | 0.00000 | 319537.6 | 136146.4 | 183122.1 | S |
| 177.558 | 0.0000 | 0.0000 | 82.046 | 0.01568 | 0.00000 | 319537.6 | 136146.9 | 183122.1 | S |
| 177.567 | 0.0000 | 0.0000 | 82.046 | 0.01567 | 0.00000 | 319537.6 | 136147.4 | 183122.1 | S |
| 177.575 | 0.0000 | 0.0000 | 82.046 | 0.01567 | 0.00000 | 319537.6 | 136147.9 | 183122.1 | S |
| 177.583 | 0.0000 | 0.0000 | 82.046 | 0.01567 | 0.00000 | 319537.6 | 136148.3 | 183122.1 | S |
| 177.592 | 0.0000 | 0.0000 | 82.046 | 0.01567 | 0.00000 | 319537.6 | 136148.8 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate (fi3/s) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | infilitration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overtlow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ff}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 177.600 | 0.0000 | 0.0000 | 82.046 | 0.01567 | 0.00000 | 319537.6 | 136149.3 | 183122.1 | S |
| 177.608 | 0.0000 | 0.0000 | 82.046 | 0.01567 | 0.00000 | 319537.6 | 136149.7 | 183122.1 | S |
| 177.617 | 0.0000 | 0.0000 | 82.046 | 0.01567 | 0.00000 | 319537.6 | 136150.2 | 183122.1 | S |
| 177.625 | 0.0000 | 0.0000 | 82.046 | 0.01566 | 0.00000 | 319537.6 | 136150.7 | 183122.1 | S |
| 177.633 | 0.0000 | 0.0000 | 82.046 | 0.01566 | 0.00000 | 319537.6 | 136151.1 | 183122.1 | S |
| 177.642 | 0.0000 | 0.0000 | 82.045 | 0.01566 | 0.00000 | 319537.6 | 136151.6 | 183122.1 | S |
| 177.650 | 0.0000 | 0.0000 | 82.045 | 0.01566 | 0.00000 | 319537.6 | 136152.1 | 183122.1 | S |
| 177.658 | 0.0000 | 0.0000 | 82.045 | 0.01566 | 0.00000 | 319537.6 | 136152.6 | 183122.1 | S |
| 177.667 | 0.0000 | 0.0000 | 82.045 | 0.01566 | 0.00000 | 319537.6 | 136153.0 | 183122.1 | S |
| 177.675 | 0.0000 | 0.0000 | 82.045 | 0.01566 | 0.00000 | 319537.6 | 136153.5 | 183122.1 | S |
| 177.683 | 0.0000 | 0.0000 | 82.045 | 0.01565 | 0.00000 | 319537.6 | 136154.0 | 183122.1 | S |
| 177.692 | 0.0000 | 0.0000 | 82.045 | 0.01565 | 0.00000 | 319537.6 | 136154.4 | 183122.1 | S |
| 177.700 | 0.0000 | 0.0000 | 82.045 | 0.01565 | 0.00000 | 319537.6 | 136154.9 | 183122.1 | S |
| 177.708 | 0.0000 | 0.0000 | 82.045 | 0.01565 | 0.00000 | 379537.6 | 136155.4 | 183122.1 | S |
| 177.717 | 0.0000 | 0.0000 | 82.045 | 0.01565 | 0.00000 | 319537.6 | 136155.8 | 183122.1 | S |
| 177.725 | 0.0000 | 0.0000 | 82.045 | 0.01565 | 0.00000 | 319537.6 | 136156.3 | 183122.1 | S |
| 177.733 | 0.0000 | 0.0000 | 82.045 | 0.01565 | 0.00000 | 319537.6 | 136156.8 | 183122.1 | S |
| 177.742 | 0.0000 | 0.0000 | 82.045 | 0.01564 | 0.00000 | 319537.6 | 136157.3 | 183122.1 | S |
| 177.750 | 0.0000 | 0.0000 | 82.044 | 0.01564 | 0.00000 | 319537.6 | 136157.7 | 183122.1 | S |
| 177.758 | 0.0000 | 0.0000 | 82.044 | 0.01564 | 0.00000 | 319537.6 | 136158.2 | 183122.1 | S |
| 177.767 | 0.0000 | 0.0000 | 82.044 | 0.01564 | 0.00000 | 319537.6 | 136158.7 | 183122.1 | S |
| 177.775 | 0.0000 | 0.0000 | 82.044 | 0.01564 | 0.00000 | 319537.6 | 136159.1 | 183122.1 | S |
| 177.783 | 0.0000 | 0.0000 | 82.044 | 0.01564 | 0.00000 | 319537.6 | 136159.6 | 183122.1 | S |
| 177.792 | 0.0000 | 0.0000 | 82.044 | 0.01564 | 0.00000 | 319537.6 | 136160.1 | 183122.1 | S |
| 177.800 | 0.0000 | 0.0000 | 82.044 | 0.01563 | 0.00000 | 319537.6 | 136160.5 | 183122.1 | S |
| 177.808 | 0.0000 | 0.0000 | 82.044 | 0.01563 | 0.00000 | 319537.6 | 136161.0 | 183122.1 | S |
| 177.817 | 0.0000 | 0.0000 | 82.044 | 0.01563 | 0.00000 | 319537.6 | 136161.5 | 183122.1 | S |
| 177.825 | 0.0000 | 0.0000 | 82.044 | 0.01563 | 0.00000 | 319537.6 | 136161.9 | 183122.1 | S |
| 177.833 | 0.0000 | 0.0000 | 82.044 | 0.01563 | 0.00000 | 319537.6 | 136162.4 | 183122.1 | S |
| 177.842 | 0.0000 | 0.0000 | 82.044 | 0.01563 | 0.00000 | 319537.6 | 136162.9 | 183122.1 | S |
| 177.850 | 0.0000 | 0.0000 | 82.043 | 0.01563 | 0.00000 | 319537.6 | 136163.3 | 183122.1 | S |
| 177.858 | 0.0000 | 0.0000 | 82.043 | 0.01562 | 0.00000 | 319537.6 | 136163.8 | 183122.1 | S |
| 177.867 | 0.0000 | 0.0000 | 82.043 | 0.01562 | 0.00000 | 319537.6 | 136164.3 | 183122.1 | S |
| 177.875 | 0.0000 | 0.0000 | 82.043 | 0.01562 | 0.00000 | 319537.6 | 136164.8 | 183122.1 | S |
| 177.883 | 0.0000 | 0.0000 | 82.043 | 0.01562 | 0.00000 | 319537.6 | 136165.2 | 183122.1 | S |
| 177.892 | 0.0000 | 0.0000 | 82.043 | 0.01562 | 0.00000 | 319537.6 | 136165.7 | 183122.1 | S |
| 177.900 | 0.0000 | 0.0000 | 82.043 | 0.01562 | 0.00000 | 319537.6 | 136166.2 | 183122.1 | S |
| 177.908 | 0.0000 | 0.0000 | 82.043 | 0.01562 | 0.00000 | 319537.6 | 136166.6 | 183122.1 | S |
| 177.917 | 0.0000 | 0.0000 | 82.043 | 0.01561 | 0.00000 | 319537.6 | 136167.1 | 183122.1 | S |
| 177.925 | 0.0000 | 0.0000 | 82.043 | 0.01561 | 0.00000 | 319537.6 | 136167.6 | 183122.1 | S |
| 177.933 | 0.0000 | 0.0000 | 82.043 | 0.01561 | 0.00000 | 319537.6 | 136168.0 | 183122.1 | S |
| 177.942 | 0.0000 | 0.0000 | 82.043 | 0.01561 | 0.00000 | 319537.6 | 136168.5 | 183122.1 | S |
| 177.950 | 0.0000 | 0.0000 | 82.043 | 0.01561 | 0.00000 | 319537.6 | 136169.0 | 183122.1 | S |
| 177.958 | 0.0000 | 0.0000 | 82.042 | 0.01561 | 0.00000 | 319537.6 | 136169.4 | 183122.1 | S |
| 177.967 | 0.0000 | 0.0000 | 82.042 | 0.01561 | 0.00000 | 319537.6 | 136169.9 | 183122.1 | S |
| 177.975 | 0.0000 | 0.0000 | 82.042 | 0.01561 | 0.00000 | 319537.6 | 136170.4 | 183122.1 | S |
| 177.983 | 0.0000 | 0.0000 | 82,042 | 0.01560 | 0.00000 | 319537.6 | 136170.8 | 183122.1 | S |
| 177.992 | 0.0000 | 0.0000 | 82.042 | 0.01560 | 0.00000 | 319537.6 | 136171.3 | 183122.1 | S |
| 178.000 | 0.0000 | 0.0000 | 82.042 | 0.01560 | 0.00000 | 319537.6 | 136171.8 | 183122.1 | S |
| 178.008 | 0.0000 | 0.0000 | 82.042 | 0.01560 | 0.00000 | 319537.6 | 136172.3 | 183122.1 | S |
| 178.017 | 0.0000 | 0.0000 | 82.042 | 0.01560 | 0.00000 | 319537.6 | 136172.7 | 183122.1 | S |
| 178.025 | 0.0000 | 0.0000 | 82.042 | 0.01560 | 0.00000 | 319537.6 | 136173.2 | 183122.1 | S |
| 178.033 | 0.0000 | 0.0000 | 82.042 | 0.01560 | 0.00000 | 319537.6 | 136173.7 | 183122.1 | S |
| 178.042 | 0.0000 | 0.0000 | 82.042 | 0.01559 | 0.00000 | 319537.6 | 136174.1 | 183122.1 | S |
| 178.050 | 0.0000 | 0.0000 | 82.042 | 0.01559 | 0.00000 | 319537.6 | 136174.6 | 183122.1 | S |
| 178.058 | 0.0000 | 0.0000 | 82.041 | 0.01559 | 0.00000 | 319537.6 | 136175.1 | 183122.1 | S |
| 178.067 | 0.0000 | 0.0000 | 82.041 | 0.01559 | 0.00000 | 319537.6 | 136175.5 | 183122.1 | S |
| 178.075 | 0.0000 | 0.0000 | 82.041 | 0.01559 | 0.00000 | 319537.6 | 136176.0 | 183122.1 | S |
| 178.083 | 0.0000 | 0.0000 | 82.041 | 0.01559 | 0.00000 | 319537.6 | 136176.5 | 183122.1 | S |
| 178.092 | 0.0000 | 0.0000 | 82.041 | 0.01559 | 0.00000 | $3 \ddagger 9537.6$ | 136176.9 | 183122.1 | S |
| 178.100 | 0.0000 | 0.0000 | 82.041 | 0.01558 | 0.00000 | 319537.6 | 136177.4 | 183122.1 | S |
| 178.108 | 0.0000 | 0.0000 | 82.041 | 0.01558 | 0.00000 | 319537.6 | 136177.9 | 183122.1 | S |
| 178.117 | 0.0000 | 0.0000 | 82.041 | 0.01558 | 0.00000 | 319537.6 | 136178.3 | 183122.1 | S |
| 178.125 | 0.0000 | 0.0000 | 82.041 | 0.01558 | 0.00000 | 319537.6 | 136178.8 | 183122.1 | S |
| 178.133 | 0.0000 | 0.0000 | 82.041 | 0.01558 | 0.00000 | 319537.6 | 136179.3 | 183122.1 | S |
| 178.142 | 0.0000 | 0.0000 | 82.041 | 0.01558 | 0.00000 | 319537.6 | 136179.7 | 183122.1 | S |
| 178.150 | 0.0000 | 0.0000 | 82.041 | 0.01558 | 0.00000 | 319537.6 | 136180.2 | 183122.1 | S |
| 178.158 | 0.0000 | 0.0000 | 82.041 | 0.01557 | 0.00000 | 319537.6 | 136180.7 | 183122.1 | S |
| 178.167 | 0.0000 | 0.0000 | 82.040 | 0.01557 | 0.00000 | 319537.6 | 136181.1 | 183122.1 | S |
| 178.175 | 0.0000 | 0.0000 | 82.040 | 0.01557 | 0.00000 | 319537.6 | 136181.6 | 183122.1 | S |
| 178.183 | 0.0000 | 0.0000 | 82.040 | 0.01557 | 0.00000 | 319537.6 | 136182.1 | 183122.1 | S |
| 178.192 | 0.0000 | 0.0000 | 82.040 | 0.01557 | 0.00000 | 319537.6 | 136182.5 | 183122.1 | S |
| 178.200 | 0.0000 | 0.0000 | 82.040 | 0.01557 | 0.00000 | 319537.6 | 136183.0 | 183122.1 | S |
| 178.208 | 0.0000 | 0.0000 | 82.040 | 0.01557 | 0.00000 | 319537.6 | 136183.5 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{1 / \mathrm{s} \text { ) }) ~}$ | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate (f $\mathrm{f}^{3 / \mathrm{s}}$ ) | Overlow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 178.217 | 0.0000 | 0.0000 | 82.040 | 0.01556 | 0.00000 | 319537.6 | 136183.9 | 183122.1 | S |
| 178.225 | 0.0000 | 0.0000 | 82.040 | 0.01556 | 0.00000 | 319537.6 | 136184.4 | 183122.1 | S |
| 178.233 | 0.0000 | 0.0000 | 82.040 | 0.01556 | 0.00000 | 319537.6 | 136184.9 | 483122.1 | S |
| 178.242 | 0.0000 | 0.0000 | 82.040 | 0.01556 | 0.00000 | 319537.6 | 136185.3 | 183122.1 | S |
| 178.250 | 0.0000 | 0.0000 | 82.040 | 0.01556 | 0.00000 | 319537.6 | 136185.8 | 183122.1 | S |
| 178.258 | 0.0000 | 0.0000 | 82.040 | 0.01556 | 0.00000 | 319537.6 | 136186.3 | 183122.1 | S |
| 178.267 | 0.0000 | 0.0000 | 82.039 | 0.01556 | 0.00000 | 319537.6 | 136186.7 | 183122.1 | S |
| 178.275 | 0.0000 | 0.0000 | 82.039 | 0.01555 | 0.00000 | 319537.6 | 136187.2 | 183122.1 | S |
| 178.283 | 0.0000 | 0.0000 | 82.039 | 0.01555 | 0.00000 | 319537.6 | 136187.7 | 183122.1 | S |
| 178.292 | 0.0000 | 0.0000 | 82.039 | 0.01555 | 0.00000 | 319537.6 | 136188.1 | 183122.1 | S |
| 178.300 | 0.0000 | 0.0000 | 82.039 | 0.01555 | 0.00000 | 319537.6 | 136188.6 | 183122.1 | S |
| 178.308 | 0.0000 | 0.0000 | 82.039 | 0.01555 | 0.00000 | 319537.6 | 136189.1 | 183122.1 | S |
| 178.317 | 0.0000 | 0.0000 | 82.039 | 0.01555 | 0.00000 | 319537.6 | 136189.5 | 183122.1 | S |
| 178.325 | 0.0000 | 0.0000 | 82.039 | 0.01555 | 0.00000 | 319537.6 | 136190.0 | 183122.1 | S |
| 178.333 | 0.0000 | 0.0000 | 82.039 | 0.01555 | 0.00000 | 319537.6 | 136190.5 | 183122.1 | S |
| 178.342 | 0.0000 | 0.0000 | 82.039 | 0.01554 | 0.00000 | 319537.6 | 136190.9 | 183122.1 | S |
| 178.350 | 0.0000 | 0.0000 | 82.039 | 0.01554 | 0.00000 | 319537.6 | 136191.4 | 183122.1 | S |
| 178.358 | 0.0000 | 0.0000 | 82.039 | 0.01554 | 0.00000 | 319537.6 | 136191.9 | 183122.1 | S |
| 178.367 | 0.0000 | 0.0000 | 82.039 | 0.01554 | 0.00000 | 319537.6 | 136192.3 | 183122.1 | S |
| 178.375 | 0.0000 | 0.0000 | 82.038 | 0.01554 | 0.00000 | 319537.6 | 136192.8 | 183122.1 | S |
| 178.383 | 0.0000 | 0.0000 | 82.038 | 0.01554 | 0.00000 | 319537.6 | 136193.3 | 183122.1 | S |
| 178.392 | 0.0000 | 0.0000 | 82.038 | 0.01554 | 0.00000 | 319537.6 | 136193.7 | 183122.1 | S |
| 178.400 | 0.0000 | 0.0000 | 82.038 | 0.01553 | 0.00000 | 319537.6 | 136194.2 | 183122.1 | S |
| 178.408 | 0.0000 | 0.0000 | 82.038 | 0.01553 | 0.00000 | 319537.6 | 136194.7 | 183122.1 | S |
| 178.417 | 0.0000 | 0.0000 | 82.038 | 0.01553 | 0.00000 | 319537.6 | 136195.1 | 183122.1 | S |
| 178.425 | 0.0000 | 0.0000 | 82.038 | 0.01553 | 0.00000 | 319537.6 | 136195.6 | 183122.1 | S |
| 178.433 | 0.0000 | 0.0000 | 82.038 | 0.01553 | 0.00000 | 319537.6 | 136196.1 | 183122.1 | S |
| 178.442 | 0.0000 | 0.0000 | 82.038 | 0.01553 | 0.00000 | 319537.6 | 136196.5 | 183122.1 | S |
| 178.450 | 0.0000 | 0.0000 | 82.038 | 0.01553 | 0.00000 | 319537.6 | 136197.0 | 183122.1 | S |
| 178.458 | 0.0000 | 0.0000 | 82.038 | 0.01552 | 0.00000 | 319537.6 | 136197.5 | 183122.1 | S |
| 178.467 | 0.0000 | 0.0000 | 82.038 | 0.01552 | 0.00000 | 319537.6 | 136197.9 | 183122.1 | S |
| 178.475 | 0.0000 | 0.0000 | 82.037 | 0.01552 | 0.00000 | 319537.6 | 136198.4 | 183122.1 | S |
| 178.483 | 0.0000 | 0.0000 | 82.037 | 0.01552 | 0.00000 | 319537.6 | 136198.9 | 183122.1 | S |
| 178.492 | 0.0000 | 0.0000 | 82.037 | 0.01552 | 0.00000 | 319537.6 | 136199.3 | 183122.1 | S |
| 178.500 | 0.0000 | 0.0000 | 82.037 | 0.01552 | 0.00000 | 319537.6 | 136199.8 | 183122.1 | S |
| 178.508 | 0.0000 | 0.0000 | 82.037 | 0.01552 | 0.00000 | 319537.6 | 136200.3 | 183122.1 | S |
| 178.517 | 0.0000 | 0.0000 | 82.037 | 0.01551 | 0.00000 | 319537.6 | 136200.7 | 183122.1 | S |
| 178.525 | 0.0000 | 0.0000 | 82.037 | $0.0 \$ 551$ | 0.00000 | 319537.6 | 136201.2 | 183122.1 | S |
| 178.533 | 0.0000 | 0.0000 | 82.037 | 0.01551 | 0.00000 | 319537.6 | 136201.6 | 183122.1 | S |
| 178.542 | 0.0000 | 0.0000 | 82.037 | 0.01551 | 0.00000 | 319537.6 | 136202.1 | 183122.1 | S |
| 178.550 | 0.0000 | 0.0000 | 82.037 | 0.01551 | 0.00000 | 319537.6 | 136202.6 | 183122.1 | S |
| 178.558 | 0.0000 | 0.0000 | 82.037 | 0.01551 | 0.00000 | 319537.6 | 136203.0 | 183122.1 | S |
| 178.567 | 0.0000 | 0.0000 | 82.037 | 0.01551 | 0.00000 | 319537.6 | 136203.5 | 183122.1 | S |
| 178.575 | 0.0000 | 0.0000 | 82.037 | 0.01550 | 0.00000 | 319537.6 | 136204.0 | 183122.1 | S |
| 178.583 | 0.0000 | 0.0000 | 82.036 | 0.01550 | 0.00000 | 319537.6 | 136204.4 | 183122.1 | S |
| 178.592 | 0.0000 | 0.0000 | 82.036 | 0.01550 | 0.00000 | 319537.6 | 136204.9 | 183122.1 | S |
| 178.600 | 0.0000 | 0.0000 | 82.036 | 0.01550 | 0.00000 | 319537.6 | 136205.4 | 183122.1 | S |
| 178.608 | 0.0000 | 0.0000 | 82.036 | 0.01550 | 0.00000 | 319537.6 | 136205.8 | 183122.1 | S |
| 178.617 | 0.0000 | 0.0000 | 82.036 | 0.01550 | 0.00000 | 319537.6 | 136206.3 | 183122.1 | S |
| 178.625 | 0.0000 | 0.0000 | 82.036 | 0.01550 | 0.00000 | 319537.6 | 136206.8 | 183122.1 | S |
| 178.633 | 0.0000 | 0.0000 | 82.036 | 0.01550 | 0.00000 | 319537.6 | 136207.2 | 183122.1 | S |
| 178.642 | 0.0000 | 0.0000 | 82.036 | 0.01549 | 0.00000 | 319537.6 | 136207.7 | 183122. | S |
| 178.650 | 0.0000 | 0.0000 | 82.036 | 0.01549 | 0.00000 | 319537.6 | 136208.2 | 183122.1 | S |
| 178.658 | 0.0000 | 0.0000 | 82.036 | 0.01549 | 0.00000 | 319537.6 | 136208.6 | 183122.1 | S |
| 178.667 | 0.0000 | 0.0000 | 82.036 | 0.01549 | 0.00000 | 319537.6 | 136209.1 | 183122.1 | S |
| 178.675 | 0.0000 | 0.0000 | 82.036 | 0.01549 | 0.00000 | 319537.6 | 136209.5 | 183122.1 | S |
| 178.683 | 0.0000 | 0.0000 | 82.035 | 0.01549 | 0.00000 | 319537.6 | 136210.0 | 183122.1 | S |
| 178.692 | 0.0000 | 0.0000 | 82.035 | 0.01549 | 0.00000 | 319537.6 | 136210.5 | 183122.1 | S |
| 178.700 | 0.0000 | 0.0000 | 82.035 | 0.01548 | 0.00000 | 319537.6 | 136211.0 | $183\} 22.1$ | S |
| 178.708 | 0.0000 | 0.0000 | 82.035 | 0.01548 | 0.00000 | 319537.6 | 136211.4 | 183122.1 | S |
| 178.717 | 0.0000 | 0.0000 | 82.035 | 0.01548 | 0.00000 | 319537.6 | 136211.9 | 183122.1 |  |
| 178.725 | 0.0000 | 0.0000 | 82.035 | 0.01548 | 0.00000 | 319537.6 | 136212.3 | 183122.1 | S |
| 178.733 | 0.0000 | 0.0000 | 82.035 | 0.01548 | 0.00000 | 319537.6 | 136212.8 | 183122.1 | S |
| 178.742 | 0.0000 | 0.0000 | 82.035 | 0.01548 | 0.00000 | 319537.6 | 136213.3 | 183122.1 | S |
| 178.750 | 0.0000 | 0.0000 | 82.035 | 0.01548 | 0.00000 | 319537.6 | 136213.7 | 183122.1 | S |
| 178.758 | 0.0000 | 0.0000 | 82.035 | 0.01547 | 0.00000 | 319537.6 | $\ddagger 36214.2$ | 183122.1 | S |
| 178.767 | 0.0000 | 0.0000 | 82.035 | 0.01547 | 0.00000 | 319537.6 | 136214.7 | 183122.1 | S |
| 178.775 | 0.0000 | 0.0000 | 82.035 | 0.04547 | 0.00000 | 319537.6 | 136215.1 | $183\} 22.1$ | S |
| 178.783 | 0.0000 | 0.0000 | 82.035 | 0.01547 | 0.00000 | 319537.6 | 136215.6 | 183122.1 | S |
| 178.792 | 0.0000 | 0.0000 | 82.034 | 0.01547 | 0.00000 | 319537.6 | 136216.0 | 183122.1 | S |
| 178.800 | 0.0000 | 0.0000 | 82.034 | 0.01547 | 0.00000 | 319537.6 | 136216.5 | 183122.1 | S |
| 178.808 | 0.0000 | 0.0000 | 82.034 | 0.01547 | 0.00000 | 319537.6 | 136217.0 | 183122.1 | S |
| 178.817 | 0.0000 | 0.0000 | 82.034 | 0.01546 | 0.00000 | 319537.6 | 136217.5 | 183122.1 | S |
| 178.825 | 0.0000 | 0.0000 | 82.034 | 0.01546 | 0.00000 | 319537.6 | 136217.9 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / 5}$ ) | Overflow Discharge ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{t}^{3}$ ) | Cumulative Discharge Volume $\left\{\mathrm{t}^{3}\right.$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 178.833 | 0.0000 | 0.0000 | 82.034 | 0.01546 | 0.00000 | 319537.6 | 136218.4 | 183122.1 | S |
| 178.842 | 0.0000 | 0.0000 | 82.034 | 0.01546 | 0.00000 | 319537.6 | 136218.8 | 183122.1 | S |
| 178.850 | 0.0000 | 0.0000 | 82.034 | 0.01546 | 0.00000 | 319537.6 | 136219.3 | 183122.1 | S |
| 178.858 | 0.0000 | 0.0000 | 82.034 | 0.01546 | 0.00000 | 319537.6 | 136219.8 | 183122.1 | S |
| 178.867 | 0.0000 | 0.0000 | 82.034 | 0.01546 | 0.00000 | 319537.6 | 136220.2 | 183122.1 | S |
| 178.875 | 0.0000 | 0.0000 | 82.034 | 0.01545 | 0.00000 | 319537.6 | 136220.7 | 183122.1 | S |
| 178.883 | 0.0000 | 0.0000 | 82.034 | 0.01545 | 0.00000 | 319537.6 | 136221.2 | 183122.1 | S |
| 178.892 | 0.0000 | 0.0000 | 82.033 | 0.01545 | 0.00000 | 319537.6 | 136221.6 | 183122.1 | S |
| 178.900 | 0.0000 | 0.0000 | 82.033 | 0.01545 | 0.00000 | 319537.6 | 136222.1 | 183122.1 | S |
| 178.908 | 0.0000 | 0.0000 | 82.033 | 0.01545 | 0.00000 | 319537.6 | 136222.5 | 183122.1 | S |
| 178.917 | 0.0000 | 0.0000 | 82.033 | 0.01545 | 0.00000 | 319537.6 | 136223.0 | 183122.1 | S |
| 178.925 | 0.0000 | 0.0000 | 82.033 | 0.01545 | 0.00000 | 319537.6 | 136223.5 | 183122.1 | S |
| 178.933 | 0.0000 | 0.0000 | 82.033 | 0.01545 | 0.00000 | 319537.6 | 136223.9 | 183122.1 | S |
| 178.942 | 0.0000 | 0.0000 | 82.033 | 0.01544 | 0.00000 | 319537.6 | 136224.4 | 183122.1 | S |
| 178.950 | 0.0000 | 0.0000 | 82.033 | 0.01544 | 0.00000 | 319537.6 | 136224.9 | 183122.1 | S |
| 178.958 | 0.0000 | 0.0000 | 82.033 | 0.01544 | 0.00000 | 319537.6 | 136225.3 | 183122.1 | S |
| 178.967 | 0.0000 | 0.0000 | 82.033 | 0.01544 | 0.00000 | 319537.6 | 136225.8 | 183122.1 | S |
| 178.975 | 0.0000 | 0.0000 | 82.033 | 0.01544 | 0.00000 | 319537.6 | 136226.3 | 183122.1 | S |
| 178.983 | 0.0000 | 0.0000 | 82.033 | 0.01544 | 0.00000 | 319537.6 | 136226.7 | 183122.1 | S |
| 178.992 | 0.0000 | 0.0000 | 82.033 | 0.01544 | 0.00000 | 319537.6 | 136227.2 | 183122.1 | S |
| 179.000 | 0.0000 | 0.0000 | 82.032 | 0.01543 | 0.00000 | 319537.6 | 136227.6 | 183122.1 | S |
| 179.008 | 0.0000 | 0.0000 | 82.032 | 0.01543 | 0.00000 | 319537.6 | 136228.1 | 183122.1 | S |
| 179.017 | 0.0000 | 0.0000 | 82.032 | 0.01543 | 0.00000 | 319537.6 | 136228.6 | 183122.1 | S |
| 179.025 | 0.0000 | 0.0000 | 82.032 | 0.01543 | 0.00000 | 319537.6 | 136229.0 | 183122.1 | S |
| 179.033 | 0.0000 | 0.0000 | 82.032 | 0.01543 | 0.00000 | 319537.6 | 136229.5 | 183122.1 | S |
| 179.042 | 0.0000 | 0.0000 | 82.032 | 0.01543 | 0.00000 | 319537.6 | 136230.0 | 183122.1 | S |
| 179.050 | 0.0000 | 0.0000 | 82.032 | 0.01543 | 0.00000 | 319537.6 | 136230.4 | 183122.1 | S |
| 179.058 | 0.0000 | 0.0000 | 82.032 | 0.01542 | 0.00000 | 319537.6 | 136230.9 | 183122.1 | S |
| 179.067 | 0.0000 | 0.0000 | 82.032 | 0.01542 | 0.00000 | 319537.6 | 136231.3 | 183122.1 | S |
| 179.075 | 0.0000 | 0.0000 | 82.032 | 0.04542 | 0.00000 | 319537.6 | 136231.8 | 183122.1 | S |
| 179.083 | 0.0000 | 0.0000 | 82.032 | 0.01542 | 0.00000 | 319537.6 | 136232.3 | 183122.1 | S |
| 179.092 | 0.0000 | 0.0000 | 82.032 | 0.01542 | 0.00000 | 319537.6 | 136232.7 | 183122.1 | S |
| 179.100 | 0.0000 | 0.0000 | 82.031 | 0.01542 | 0.00000 | 319537.6 | 136233.2 | $183\} 22.1$ | S |
| 179.108 | 0.0000 | 0.0000 | 82.031 | 0.01542 | 0.00000 | 319537.6 | 136233.7 | 183122.1 | S |
| 179.117 | 0.0000 | 0.0000 | 82.031 | 0.01541 | 0.00000 | 319537.6 | 136234.1 | 183122.1 | S |
| 179.125 | 0.0000 | 0.0000 | 82.031 | 0.01541 | 0.00000 | 319537.6 | 136234.6 | 183122.1 | S |
| 179.133 | 0.0000 | 0.0000 | 82.031 | 0.01541 | 0.00000 | 319537.6 | 136235.0 | 183122.1 | S |
| 179.142 | 0.0000 | 0.0000 | 82.031 | 0.01541 | 0.00000 | 319537.6 | 136235.5 | 183122.1 | S |
| 179.150 | 0.0000 | 0.0000 | 82.031 | 0.01541 | 0.00000 | 319537.6 | 136236.0 | 183122.1 | S |
| 179.158 | 0.0000 | 0.0000 | 82.031 | 0.01541 | 0.00000 | 319537.6 | 136236.4 | 183122.1 | S |
| 179.167 | 0.0000 | 0.0000 | 82.031 | 0.01541 | 0.00000 | 319537.6 | 136236.9 | 183122.1 | S |
| 179.175 | 0.0000 | 0.0000 | 82.031 | 0.01541 | 0.00000 | 319537.6 | 136237.4 | 183122.1 | S |
| 179.183 | 0.0000 | 0.0000 | 82.031 | 0.01540 | 0.00000 | 319537.6 | 136237.8 | 183122.1 | S |
| 179.192 | 0.0000 | 0.0000 | 82.031 | 0.01540 | 0.00000 | 319537.6 | 136238.3 | 183122.1 | S |
| 179.200 | 0.0000 | 0.0000 | 82.031 | 0.01540 | 0.00000 | 319537.6 | \$36238.8 | 183122.1 | S |
| 179.208 | 0.0000 | 0.0000 | 82.030 | 0.01540 | 0.00000 | 319537.6 | 136239.2 | 183122.1 | S |
| 179.217 | 0.0000 | 0.0000 | 82.030 | 0.01540 | 0.00000 | 319537.6 | 136239.7 | 183122.1 | S |
| 179.225 | 0.0000 | 0.0000 | 82.030 | 0.01540 | 0.00000 | 319537.6 | 136240.1 | 183122.1 | S |
| 179.233 | 0.0000 | 0.0000 | 82.030 | 0.01540 | 0.00000 | 319537.6 | 136240.6 | 183122.1 | S |
| 179.242 | 0.0000 | 0.0000 | 82.030 | 0.01539 | 0.00000 | 319537.6 | 136241.0 | 183122.1 | S |
| 179.250 | 0.0000 | 0.0000 | 82.030 | 0.01539 | 0.00000 | 319537.6 | 136241.5 | 183122.1 | S |
| 179.258 | 0.0000 | 0.0000 | 82.030 | 0.01539 | 0.00000 | 319537.6 | 136242.0 | 183122.1 | S |
| 179.267 | 0.0000 | 0.0000 | 82.030 | 0.01539 | 0.00000 | 319537.6 | 136242.4 | 183122.1 | S |
| $\$ 79.275$ | 0.0000 | 0.0000 | 82.030 | 0.01539 | 0.00000 | 319537.6 | 136242.9 | 183122.1 | S |
| 179.283 | 0.0000 | 0.0000 | 82.030 | 0.01539 | 0.00000 | 319537.6 | 136243.4 | 183122.1 | S |
| 179.292 | 0.0000 | 0.0000 | 82.030 | 0.01539 | 0.00000 | 319537.6 | 136243.8 | 183122.1 | S |
| 179.300 | 0.0000 | 0.0000 | 82.030 | 0.01538 | 0.00000 | 319537.6 | 136244.3 | 183122.1 | S |
| 179.308 | 0.0000 | 0.0000 | 82.030 | 0.01538 | 0.00000 | 319537.6 | 136244.8 | 183122.1 | S |
| 179.317 | 0.0000 | 0.0000 | 82.029 | 0.01538 | 0.00000 | 319537.6 | 136245.2 | 183122.1 | S |
| 179.325 | 0.0000 | 0.0000 | 82.029 | 0.01538 | 0.00000 | 319537.6 | 136245.7 | 183122.1 | S |
| 179.333 | 0.0000 | 0.0000 | 82.029 | 0.01538 | 0.00000 | 319537.6 | 136246.1 | 183122.1 | S |
| 179.342 | 0.0000 | 0.0000 | 82.029 | 0.01538 | 0.00000 | 319537.6 | 136246.6 | 183122.1 | S |
| 179.350 | 0.0000 | 0.0000 | 82.029 | 0.01538 | 0.00000 | 319537.6 | 136247.0 | 183122.1 | S |
| 179.358 | 0.0000 | 0.0000 | 82.029 | 0.01538 | 0.00000 | 319537.6 | 136247.5 | 183122.1 | S |
| 179.367 | 0.0000 | 0.0000 | 82.029 | 0.01537 | 0.00000 | 319537.6 | 136248.0 | 183122.1 | S |
| 179.375 | 0.0000 | 0.0000 | 82.029 | 0.01537 | 0.00000 | 318537.6 | 136248.4 | 183122.1 | S |
| 179.383 | 0.0000 | 0.0000 | 82.029 | 0.01537 | 0.00000 | 319537.6 | 136248.9 | 183122.1 | S |
| 179.392 | 0.0000 | 0.0000 | 82.029 | 0.01537 | 0.00000 | 319537.6 | \$36249.4 | 183122.1 | S |
| 179.400 | 0.0000 | 0.0000 | 82.029 | 0.01537 | 0.00000 | 319537.6 | 136249.8 | 183122.1 | S |
| 179.408 | 0.0000 | 0.0000 | 82.029 | 0.01537 | 0.00000 | 319537.6 | 136250.3 | 183122.3 | S |
| 179.417 | 0.0000 | 0.0000 | 82.028 | 0.01537 | 0.00000 | 319537.6 | 136250.7 | 183122.1 | S |
| 179.425 | 0.0000 | 0.0000 | 82.028 | 0.01536 | 0.00000 | 319537.6 | 136251.2 | 183122.1 | S |
| 179.433 | 0.0000 | 0.0000 | 82.028 | 0.01536 | 0.00000 | 319537.6 | 136251.7 | 183122.1 | S |
| 179.442 | 0.0000 | 0.0000 | 82.028 | 0.01536 | 0.00000 | 319537.6 | 136252.1 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{Ht}^{3 / \mathrm{s}}$ ) | Outside Recharge (fidday) | Stage Elevation ( t datum) | Infiltration Rate ( $\mathrm{Ht}^{3} / \mathrm{s}$ ) | Overflow Discharge (ft ${ }^{3}$ /s) | Cumutative Inflow <br> Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infitration Volume ( $\mathrm{R}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 179.450 | 0.0000 | 0.0000 | 82.028 | 0.01536 | 0.00000 | 319537.6 | 136252.6 | 183122.1 | S |
| 179.458 | 0.0000 | 0.0000 | 82.028 | 0.01536 | 0.00000 | 319537.6 | 136253.0 | 183122.1 | S |
| 179.467 | 0.0000 | 0.0000 | 82.028 | 0.01536 | 0.00000 | 319537.6 | 136253.5 | 183122.1 | S |
| 179.475 | 0.0000 | 0.0000 | 82.028 | 0.01536 | 0.00000 | 319537.6 | 136254.0 | 183122.1 | S |
| 179.483 | 0.0000 | 0.0000 | 82.028 | 0.01535 | 0.00000 | 319537.6 | 136254.4 | 183122.1 | S |
| 179.492 | 0.0000 | 0.0000 | 82.028 | 0.01535 | 0.00000 | 319537.6 | 136254.9 | 183122.1 | S |
| 179.500 | 0.0000 | 0.0000 | 82.028 | 0.01535 | 0.00000 | 319537.6 | 136255.3 | 183122.1 | S |
| 179.508 | 0.0000 | 0.0000 | 82.028 | 0.01535 | 0.00000 | 319537.6 | 136255.8 | 183122.1 | S |
| 179.517 | 0.0000 | 0.0000 | 82.028 | 0.01535 | 0.00000 | 319537.6 | 136256.3 | 183122.1 | S |
| 179.525 | 0.0000 | 0.0000 | 82.027 | 0.01535 | 0.00000 | 319537.6 | 136256.7 | 183122.1 | S |
| 179.533 | 0.0000 | 0.0000 | 82.027 | 0.01535 | 0.00000 | 319537.6 | 136257.2 | 183122.1 | 5 |
| 179.542 | 0.0000 | 0.0000 | 82.027 | 0.01535 | 0.00000 | 319537.6 | 136257.7 | 183122.1 | S |
| 179.550 | 0.0000 | 0.0000 | 82.027 | 0.01534 | 0.00000 | 319537.6 | 136258.1 | 183122.1 | S |
| 179.558 | 0.0000 | 0.0000 | 82.027 | 0.01534 | 0.00000 | 319537.6 | 136258.6 | 183122.1 | S |
| 179.567 | 0.0000 | 0.0000 | 82.027 | 0.01534 | 0.00000 | 319537.6 | 136259.0 | 183122.1 | S |
| 179.575 | 0.0000 | 0.0000 | 82.027 | 0.01534 | 0.00000 | 319537.6 | 136259.5 | 183122.1 | S |
| 179.583 | 0.0000 | 0.0000 | 82.027 | 0.01534 | 0.00000 | 319537.6 | 136260.0 | 183122.1 | S |
| 179.592 | 0.0000 | 0.0000 | 82.027 | 0.01534 | 0.00000 | 319537.6 | 136260.4 | 183122.1 | S |
| 179.600 | 0.0000 | 0.0000 | 82.027 | 0.01534 | 0.00000 | 319537.6 | 136260.9 | 183122.1 | S |
| 179.608 | 0.0000 | 0.0000 | 82.027 | 0.01533 | 0.00000 | 319537.6 | 136261.3 | 183122.1 | S |
| 179.617 | 0.0000 | 0.0000 | 82.027 | 0.01533 | 0.00000 | 319537.6 | 136261.8 | 183122.1 | S |
| 179.625 | 0.0000 | 0.0000 | 82.026 | 0.01533 | 0.00000 | 319537.6 | 136262.3 | 183122.1 | S |
| 179.633 | 0.0000 | 0.0000 | 82.026 | 0.01533 | 0.00000 | 319537.6 | 136262.7 | 183122.1 | S |
| 179.642 | 0.0000 | 0.0000 | 82.026 | 0.01533 | 0.00000 | 319537.6 | 136263.2 | 183122.1 | S |
| 179.650 | 0.0000 | 0.0000 | 82.026 | 0.01533 | 0.00000 | 319537.6 | 136263.6 | 183122.1 | S |
| 179.658 | 0,0000 | 0.0000 | 82.026 | 0.01533 | 0.00000 | 319537.6 | 136264.1 | 183122.1 | S |
| 179.667 | 0.0000 | 0.0000 | 82.026 | 0.01532 | 0.00000 | 319537.6 | 136264.5 | 183122.1 | S |
| 179.675 | 0.0000 | 0.0000 | 82.026 | 0.01532 | 0.00000 | 319537.6 | 136265.0 | 183122.1 | S |
| 179.683 | 0.0000 | 0.0000 | 82.026 | 0.01532 | 0.00000 | 319537.6 | 136265.5 | 183122.1 | S |
| 179.692 | 0.0000 | 0.0000 | 82.026 | 0.01532 | 0.00000 | 319537.6 | 136265.9 | 183122.1 | S |
| 179.700 | 0.0000 | 0.0000 | 82.026 | 0.01532 | 0.00000 | 319537.6 | 136266.4 | 183122.1 | S |
| 179.708 | 0.0000 | 0.0000 | 82.026 | 0.01532 | 0.00000 | 319537.6 | 136266.8 | 183122.1 | S |
| 179.717 | 0.0000 | 0.0000 | 82.026 | 0.01532 | 0.00000 | 319537.6 | 136267.3 | 183122.1 | S |
| 179.725 | 0.0000 | 0.0000 | 82.026 | 0.01532 | 0.00000 | 319537.6 | 136267.8 | 183122.1 | S |
| 179.733 | 0.0000 | 0.0000 | 82.025 | 0.01531 | 0.00000 | 319537.6 | 136268.2 | 183122.1 | S |
| 179.742 | 0.0000 | 0.0000 | 82.025 | 0.01531 | 0.00000 | 319537.6 | 136268.7 | 183122.1 | S |
| 179.750 | 0.0000 | 0.0000 | 82.025 | 0.01531 | 0.00000 | 319537.6 | 136269.1 | 183122.1 | S |
| 179.758 | 0.0000 | 0.0000 | 82.025 | 0.01531 | 0.00000 | 319537.6 | 136269.6 | 183122.1 | S |
| 179.767 | 0.0000 | 0.0000 | 82.025 | 0.01531 | 0.00000 | 319537.6 | 136270.1 | 183122.1 | S |
| 179.775 | 0.0000 | 0.0000 | 82.025 | 0.01531 | 0.00000 | 319537.6 | 136270.5 | 183122.1 | S |
| 179.783 | 0.0000 | 0.0000 | 82.025 | 0.01531 | 0.00000 | 319537.6 | \$36271.0 | 183122.1 | S |
| 179.792 | 0.0000 | 0.0000 | 82.025 | 0.01530 | 0.00000 | 319537.6 | 136271.4 | 183122.1 | S |
| 179.800 | 0.0000 | 0.0000 | 82.025 | 0.01530 | 0.00000 | 319537.6 | 136271.9 | 183122.1 | S |
| 179.808 | 0.0000 | 0.0000 | 82.025 | 0.01530 | 0.00000 | 319537.6 | 136272.4 | 183122.1 | S |
| 179.817 | 0.0000 | 0.0000 | 82.025 | 0.01530 | 0.00000 | 319537.6 | 136272.8 | 183122.1 | S |
| 179.825 | 0.0000 | 0.0000 | 82.025 | 0.01530 | 0.00000 | 319537.6 | 136273.3 | 183122.1 | S |
| 179.833 | 0.0000 | 0.0000 | 82.025 | 0.01530 | 0.00000 | 319537.6 | 136273.7 | 183122.1 | S |
| 179.842 | 0.0000 | 0.0000 | 82.024 | 0.01530 | 0.00000 | 319537.6 | 136274.2 | 183122.1 | S |
| 179.850 | 0.0000 | 0.0000 | 82.024 | 0.01529 | 0.00000 | 319537.6 | 136274.7 | 183122.1 | S |
| 179.858 | 0.0000 | 0.0000 | 82.024 | 0.01529 | 0.00000 | 319537.6 | 136275.1 | 183122.1 | S |
| 179.867 | 0.0000 | 0.0000 | 82.024 | 0.01529 | 0.00000 | 319537.6 | 136275.6 | 183122.1 | S |
| 179.875 | 0.0000 | 0.0000 | 82.024 | 0.01529 | 0.00000 | 319537.6 | 136276.0 | 183122.1 | S |
| 179.883 | 0.0000 | 0.0000 | 82.024 | 0.01529 | 0.00000 | 319537.6 | 136276.5 | 183122.1 | S |
| 179.892 | 0.0000 | 0.0000 | 82.024 | 0.01529 | 0.00000 | 319537.6 | 136277.0 | 183122.1 | S |
| 179.900 | 0.0000 | 0.0000 | 82.024 | 0.01529 | 0.00000 | 319537.6 | 136277.4 | 183122.1 | S |
| 179.908 | 0.0000 | 0.0000 | 82.024 | 0.01529 | 0.00000 | 319537.6 | 136277.9 | 183122.1 | S |
| 179.917 | 0.0000 | 0.0000 | 82.024 | 0.01528 | 0.00000 | 319537.6 | 136278.3 | 183122.1 | S |
| 179.925 | 0.0000 | 0.0000 | 82.024 | 0.01528 | 0.00000 | 319537.6 | 136278.8 | 183122.4 | S |
| 179.933 | 0.0000 | 0.0000 | 82.024 | 0.01528 | 0.00000 | 319537.6 | 136279.3 | 183122.1 | S |
| 179.942 | 0.0000 | 0.0000 | 82.023 | 0.01528 | 0.00000 | 319537.6 | 136279.7 | 183122.1 | S |
| 179.950 | 0.0000 | 0.0000 | 82.023 | 0.01528 | 0.00000 | 319537.6 | 136280.2 | 183122.1 | S |
| 179.958 | 0.0000 | 0.0000 | 82.023 | 0.01528 | 0.00000 | 319537.6 | 136280.6 | 183122.1 | S |
| 179.967 | 0.0000 | 0.0000 | 82.023 | 0.01528 | 0.00000 | 319537.6 | 136281.1 | 183122.1 | S |
| 179.975 | 0.0000 | 0.0000 | 82.023 | 0.01527 | 0.00000 | 319537.6 | 136281.5 | 183122.1 | S |
| 179.983 | 0.0000 | 0.0000 | 82.023 | 0.01527 | 0.00000 | 319537.6 | 136282.0 | 183122.1 | S |
| 179.992 | 0.0000 | 0.0000 | 82.023 | 0.01527 | 0.00000 | 319537.6 | 136282.5 | 183122.1 | S |
| 180.000 | 0.0000 | 0.0000 | 82.023 | 0.01527 | 0.00000 | 319537.6 | 136282.9 | 183122.1 | S |
| 180.008 | 0.0000 | 0.0000 | 82.023 | 0.01527 | 0.00000 | 319537.6 | 136283.4 | 183122.1 | S |
| 180.017 | 0.0000 | 0.0000 | 82.023 | 0.01527 | 0.00000 | 319537.6 | 136283.8 | 183122.1 | S |
| 180.025 | 0.0000 | 0.0000 | 82.023 | 0.01527 | 0.00000 | 319537.6 | 136284.3 | 183122.1 | S |
| 180.033 | 0.0000 | 0.0000 | 82.023 | 0.01526 | 0.00000 | 319537.6 | 136284.7 | 183122.1 | S |
| 180.042 | 0.0000 | 0.0000 | 82.023 | 0.01526 | 0.00000 | 319537.6 | 136285.2 | 183122.1 | S |
| 180.050 | 0.0000 | 0.0000 | 82.022 | 0.01526 | 0.00000 | 319537.6 | 136285.7 | 183122.1 | S |
| 180.058 | 0.0000 | 0.0000 | 82.022 | 0.01526 | 0.00000 | 319537.6 | 136286.1 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | inflow Rate (f13/s) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume (fis) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 180.067 | 0.0000 | 0.0000 | 82.022 | 0.01526 | 0.00000 | 319537.6 | 136286.6 | 183122.1 | S |
| 180.075 | 0.0000 | 0.0000 | 82.022 | 0.01526 | 0.00000 | 319537.6 | 136287.0 | 183122.1 | S |
| 180.083 | 0.0000 | 0.0000 | 82.022 | 0.01526 | 0.00000 | 319537.6 | 136287.5 | 183122.1 | S |
| 180.092 | 0.0000 | 0.0000 | 82.022 | 0.01526 | 0.00000 | 319537.6 | 136288.0 | 183122.1 | S |
| 180.100 | 0.0000 | 0.0000 | 82.022 | 0.01525 | 0.00000 | 319537.6 | 136288.4 | 183122.1 | S |
| 180.108 | 0.0000 | 0.0000 | 82.022 | 0.01525 | 0.00000 | 319537.6 | 136288.9 | 183122.1 | S |
| 180.117 | 0.0000 | 0.0000 | 82.022 | 0.01525 | 0.00000 | 319537.6 | 136289.3 | 183122.1 | S |
| 180.125 | 0.0000 | 0.0000 | 82.022 | 0.01525 | 0.00000 | 319537.6 | 136289.8 | 183122.1 | S |
| 180.133 | 0.0000 | 0.0000 | 82.022 | 0.01525 | 0.00000 | 319537.6 | 136290.2 | 183122.1 | S |
| 180.142 | 0.0000 | 0.0000 | 82.022 | 0.01525 | 0.00000 | 319537.6 | 136290.7 | 183122.1 | S |
| 180.150 | 0.0000 | 0.0000 | 82.022 | 0.01525 | 0.00000 | 319537.6 | 136291.2 | 183122.1 | S |
| 180.158 | 0.0000 | 0.0000 | 82.021 | 0.01524 | 0.00000 | 319537.6 | 136291.6 | 183122.1 | S |
| 180.167 | 0.0000 | 0.0000 | 82.021 | 0.04524 | 0.00000 | 319537.6 | 136292.1 | 183122.1 | S |
| 180.175 | 0.0000 | 0.0000 | 82.021 | 0.01524 | 0.00000 | 319537.6 | 136292.5 | 183122.1 | S |
| 180.183 | 0.0000 | 0.0000 | 82.021 | 0.01524 | 0.00000 | 319537.6 | 136293.0 | 183122.1 | S |
| 180.192 | 0.0000 | 0.0000 | 82.021 | 0.01524 | 0.00000 | 319537.6 | 136293.4 | 183122.1 | S |
| 180.200 | 0.0000 | 0.0000 | 82.021 | 0.01524 | 0.00000 | 319537.6 | 136293.9 | 183122.1 | S |
| 180.208 | 0.0000 | 0.0000 | 82.021 | 0.01524 | 0.00000 | 319537.6 | 136294.3 | 183122.1 | S |
| 180.217 | 0.0000 | 0.0000 | 82.021 | 0.01524 | 0.00000 | 319537.6 | 136294.8 | 183122.1 | S |
| 180.225 | 0.0000 | 0.0000 | 82.021 | 0.01523 | 0.00000 | 319537.6 | 136295.3 | 183122.1 | S |
| 180.233 | 0.0000 | 0.0000 | 82.021 | 0.01523 | 0.00000 | 319537.6 | 136295.7 | 183122.1 | S |
| 180.242 | 0.0000 | 0.0000 | 82.021 | 0.01523 | 0.00000 | 319537.6 | 136296.2 | 183122.1 | S |
| 180.250 | 0.0000 | 0.0000 | 82.021 | 0.01523 | 0.00000 | 319537.6 | 136296.6 | 183122.1 | S |
| 180.258 | 0.0000 | 0.0000 | 82.020 | 0.01523 | 0.00000 | 319537.6 | 136297.1 | 183122.1 | S |
| 180.267 | 0.0000 | 0.0000 | 82.020 | 0.01523 | 0.00000 | 319537.6 | 136297.5 | \$83122.1 | S |
| 180.275 | 0.0000 | 0.0000 | 82.020 | 0.01523 | 0.00000 | 319537.6 | 136298.0 | 183122.1 | S |
| 180.283 | 0.0000 | 0.0000 | 82.020 | 0.01522 | 0.00000 | 319537.6 | 136298.5 | 183122.1 | S |
| 180.292 | 0.0000 | 0.0000 | 82.020 | 0.01522 | 0.00000 | 319537.6 | 136298.9 | 183122.1 | S |
| 180.300 | 0.0000 | 0.0000 | 82.020 | 0.01522 | 0.00000 | 319537.6 | 136299.4 | 183122.1 | S |
| 180.308 | 0.0000 | 0.0000 | 82.020 | 0.01522 | 0.00000 | 319537.6 | 136299.8 | 183122.1 | S |
| 180.317 | 0.0000 | 0.0000 | 82.020 | 0.01522 | 0.00000 | 319537.6 | 136300.3 | 183122.1 | S |
| 180.325 | 0.0000 | 0.0000 | 82.020 | 0.01522 | 0.00000 | 319537.6 | 136300.8 | 183122.1 | S |
| 180.333 | 0.0000 | 0.0000 | 82.020 | 0.01522 | 0.00000 | 319537.6 | 136301.2 | 183122.1 | S |
| 180.342 | 0.0000 | 0.0000 | 82.020 | 0.01521 | 0.00000 | 319537.6 | 136301.7 | 183122.1 | S |
| 180.350 | 0.0000 | 0.0000 | 82.020 | 0.01521 | 0.00000 | 319537.6 | 136302.1 | 183122.1 | S |
| 180.358 | 0.0000 | 0.0000 | 82.020 | 0.01521 | 0.00000 | 319537.6 | 136302.6 | 183122.1 | S |
| 180.367 | 0.0000 | 0.0000 | 82.019 | 0.01521 | 0.00000 | 319537.6 | \$36303.0 | 183122.1 | S |
| 180.375 | 0.0000 | 0.0000 | 82.019 | 0.01521 | 0.00000 | 319537.6 | 136303.5 | 183122.1 | S |
| 180.383 | 0.0000 | 0.0000 | 82.019 | 0.01521 | 0.00000 | 319537.6 | 136303.9 | 183122.1 | S |
| 180.392 | 0.0000 | 0.0000 | 82.019 | 0.01521 | 0.00000 | 319537.6 | 136304.4 | 183122.1 | S |
| 180.400 | 0.0000 | 0.0000 | 82.019 | 0.01521 | 0.00000 | 319537.6 | 136304.8 | 183122.1 | S |
| 180.408 | 0.0000 | 0.0000 | 82.019 | 0.01520 | 0.00000 | 319537.6 | 136305.3 | 183122.1 | S |
| 180.417 | 0.0000 | 0.0000 | 82.019 | 0.01520 | 0.00000 | 319537.6 | 136305.8 | 183122.1 | S |
| 180.425 | 0.0000 | 0.0000 | 82.019 | 0.01520 | 0.00000 | 319537.6 | 136306.2 | 183122.1 | S |
| 180.433 | 0.0000 | 0.0000 | 82.019 | 0.01520 | 0.00000 | 319537.6 | 136306.7 | 183122.1 | S |
| 180.442 | 0.0000 | 0.0000 | 82.019 | 0.01520 | 0.00000 | 319537.6 | 136307.1 | 183122.1 | S |
| 180.450 | 0.0000 | 0.0000 | 82.019 | 0.01520 | 0.00000 | 319537.6 | 136307.6 | 183122.1 | S |
| 180.458 | 0.0000 | 0.0000 | 82.019 | 0.01520 | 0.00000 | 319537.6 | 136308.0 | 183122.1 | S |
| 180.467 | 0.0000 | 0.0000 | 82.019 | 0.01519 | 0.00000 | 319537.6 | 136308.5 | 183122.1 | S |
| 180.475 | 0.0000 | 0.0000 | 82.018 | 0.01519 | 0.00000 | 319537.6 | 136309.0 | 183122.1 | S |
| 180.483 | 0.0000 | 0.0000 | 82.018 | 0.01519 | 0.00000 | 319537.6 | 136309.4 | 183122.1 | S |
| 180.492 | 0.0000 | 0.0000 | 82.018 | 0.01519 | 0.00000 | 319537.6 | 136309.9 | 183122.1 | S |
| 180.500 | 0.0000 | 0.0000 | 82.018 | 0.01519 | 0.00000 | 319537.6 | 136310.3 | 183122.1 | S |
| 180.508 | 0.0000 | 0.0000 | 82.018 | 0.01519 | 0.00000 | 319537.6 | 136310.8 | 183122.1 | S |
| 180.517 | 0.0000 | 0.0000 | 82.018 | 0.01519 | 0.00000 | 319537.6 | 136311.2 | 183122.1 | S |
| 180.525 | 0.0000 | 0.0000 | 82.018 | 0.01519 | 0.00000 | 319537.6 | 136311.7 | 183122.1 | S |
| 180.533 | 0.0000 | 0.0000 | 82.018 | 0.01518 | 0.00000 | 319537.6 | 136312.1 | 183122.1 | S |
| 180.542 | 0.0000 | 0.0000 | 82.018 | 0.01518 | 0.00000 | 319537.6 | 136312.6 | 183122.1 | S |
| 180.550 | 0.0000 | 0.0000 | 82.018 | 0.01518 | 0.00000 | 319537.6 | 136313.1 | 183122.1 | S |
| 180.558 | 0.0000 | 0.0000 | 82.018 | 0.01518 | 0.00000 | 319537.6 | 136313.5 | 183122.1 | S |
| 180.567 | 0.0000 | 0.0000 | 82.018 | 0.01518 | 0.00000 | 319537.6 | 136314.0 | 183122.1 | S |
| 180.575 | 0.0000 | 0.0000 | 82.017 | 0.01518 | 0.00000 | 319537.6 | 136314.4 | 183122.1 | S |
| 180.583 | 0.0000 | 0.0000 | 82.017 | 0.01518 | 0.00000 | 319537.6 | 136314.9 | 183122.1 | S |
| 180.592 | 0.0000 | 0.0000 | 82.017 | 0.01517 | 0.00000 | 319537.6 | 136315.3 | 183122.1 | S |
| 180.600 | 0.0000 | 0.0000 | 82.017 | 0.01517 | 0.00000 | 319537.6 | 136315.8 | 183122.1 | S |
| 180.608 | 0.0000 | 0.0000 | 82.017 | 0.01517 | 0.00000 | 319537.6 | 136316.3 | 183122.1 | S |
| 180.617 | 0.0000 | 0.0000 | 82.017 | 0.01517 | 0.00000 | 319537.6 | 136316.7 | 183122.1 | S |
| 180.625 | 0.0000 | 0.0000 | 82.017 | 0.01517 | 0.00000 | 319537.6 | 136317.2 | 183122.1 | S |
| 180.633 | 0.0000 | 0.0000 | 82.017 | 0.01517 | 0.00000 | 319537.6 | 136317.6 | 183122.1 | S |
| 180.642 | 0.0000 | 0.0000 | 82.017 | 0.01517 | 0.00000 | 319537.6 | 136318.1 | 183122.1 | S |
| 180.650 | 0.0000 | 0.0000 | 82.017 | 0.01516 | 0.00000 | 319537.6 | 136318.5 | 183122.1 | S |
| 180.658 | 0.0000 | 0.0000 | 82.017 | 0.01516 | 0.00000 | 319537.6 | 136319.0 | 183122.1 | S |
| 180.667 | 0.0000 | 0.0000 | 82.017 | 0.01516 | 0.00000 | 319537.6 | 136319.4 | 183122.1 | S |
| 180.675 | 0.0000 | 0.0000 | 82.017 | 0.01516 | 0.00000 | 319537.6 | 136319.9 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate (ft ${ }^{1 / s}$ ) | Overflow <br> Discharge ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 180.683 | 0.0000 | 0.0000 | 82.016 | 0.01516 | 0.00000 | 319537.6 | 136320.3 | 183122.1 | S |
| 180.692 | 0.0000 | 0.0000 | 82.016 | 0.01516 | 0.00000 | 319537.6 | 136320.8 | 183122.1 | S |
| 180.700 | 0.0000 | 0.0000 | 82.016 | 0.01516 | 0.00000 | 319537.6 | 136321.3 | 183122.1 | S |
| 180.708 | 0.0000 | 0.0000 | 82.016 | 0.01516 | 0.00000 | 319537.6 | 136321.7 | 183122.1 | S |
| 180.717 | 0.0000 | 0.0000 | 82.016 | 0.01515 | 0.00000 | 319537.6 | 136322.2 | 183122.1 | S |
| 180.725 | 0.0000 | 0.0000 | 82.016 | 0.01515 | 0.00000 | 319537.6 | 136322.6 | 183122.1 | S |
| 180.733 | 0.0000 | 0.0000 | 82.016 | 0.01515 | 0.00000 | 319537.6 | 136323.1 | 183122.1 | S |
| 180.742 | 0.0000 | 0.0000 | 82.016 | 0.01515 | 0.00000 | 319537.6 | 136323.5 | 183122.1 | S |
| 180.750 | 0.0000 | 0.0000 | 82.016 | 0.01515 | 0.00000 | 319537.6 | 136324.0 | 183122.1 | S |
| 180.758 | 0.0000 | 0.0000 | 82.016 | 0.01515 | 0.00000 | 319537.6 | 136324.4 | 183122.1 | S |
| 180.767 | 0.0000 | 0.0000 | 82.016 | 0.01515 | 0.00000 | 319537.6 | 136324.9 | 183122.1 | S |
| 180.775 | 0.0000 | 0.0000 | 82.016 | 0.01514 | 0.00000 | 319537.6 | 136325.3 | 183122.1 | S |
| 180.783 | 0.0000 | 0.0000 | 82.016 | 0.01514 | 0.00000 | 319537.6 | 136325.8 | 183122.1 | S |
| 180.792 | 0.0000 | 0.0000 | 82.015 | 0.01514 | 0.00000 | 319537.6 | 136326.3 | 183122.1 | S |
| 180.800 | 0.0000 | 0.0000 | 82.015 | 0.01514 | 0.00000 | 319537.6 | 136326.7 | 183122.1 | S |
| 180.808 | 0.0000 | 0.0000 | 82.015 | 0.01514 | 0.00000 | 319537.6 | $\{36327.2$ | 183122.1 | S |
| 180.817 | 0.0000 | 0.0000 | 82.015 | 0.01514 | 0.00000 | 319537.6 | 136327.6 | 183122.1 | S |
| 180.825 | 0.0000 | 0.0000 | 82.015 | 0.01514 | 0.00000 | 319537.6 | 136328.1 | 183122.1 | S |
| 180.833 | 0.0000 | 0.0000 | 82.015 | 0.01514 | 0.00000 | 319537.6 | 136328.5 | 183122.1 | S |
| 180.842 | 0.0000 | 0.0000 | 82.015 | 0.01513 | 0.00000 | 319537.6 | 136329.0 | 183122.1 | S |
| 180.850 | 0.0000 | 0.0000 | 82.015 | 0.01513 | 0.00000 | 319537.6 | 136329.4 | 183122.1 | S |
| 180.858 | 0.0000 | 0.0000 | 82.015 | 0.01513 | 0.00000 | 319537.6 | 136329.9 | 183122.1 | S |
| 180.867 | 0.0000 | 0.0000 | 82.015 | 0.01513 | 0.00000 | 379537.6 | 136330.3 | 183122.1 | S |
| 180.875 | 0.0000 | 0.0000 | 82.015 | 0.01513 | 0.00000 | 319537.6 | 136330.8 | 183122.1 | S |
| 180.883 | 0.0000 | 0.0000 | 82.015 | 0.01513 | 0.00000 | 319537.6 | 136331.2 | 183122.1 | S |
| 180.892 | 0.0000 | 0.0000 | 82.015 | 0.01513 | 0.00000 | 319537.6 | 136331.7 | 183122.1 | S |
| 180.900 | 0.0000 | 0.0000 | 82.014 | 0.01512 | 0.00000 | 319537.6 | 136332.2 | 183122.1 | S |
| 180.908 | 0.0000 | 0.0000 | 82.014 | 0.01512 | 0.00000 | 319537.6 | 136332.6 | 183122.1 | S |
| 180.917 | 0.0000 | 0.0000 | 82.014 | 0.01512 | 0.00000 | 319537.6 | 136333.1 | 183122.1 | S |
| 180.925 | 0.0000 | 0.0000 | 82.014 | 0.01512 | 0.00000 | 319537.6 | 136333.5 | 183122.1 | S |
| 180.933 | 0.0000 | 0.0000 | 82.014 | 0.01512 | 0.00000 | 319537.6 | 136334.0 | 183122.1 | S |
| 180.942 | 0.0000 | 0.0000 | 82.014 | 0.01512 | 0.00000 | 319537.6 | 136334.4 | 183122.1 | S |
| 180.950 | 0.0000 | 0.0000 | 82.014 | 0.01512 | 0.00000 | 319537.6 | 136334.9 | 183122.1 | S |
| 180.958 | 0.0000 | 0.0000 | 82.014 | 0.01512 | 0.00000 | 319537.6 | 136335.3 | 183122.1 | S |
| 180.967 | 0.0000 | 0.0000 | 82.014 | 0.01511 | 0.00000 | 319537.6 | 136335.8 | 183122.1 | S |
| 180.975 | 0.0000 | 0.0000 | 82.014 | 0.01511 | 0.00000 | 319537.6 | 136336.2 | 183122.1 | S |
| 180.983 | 0.0000 | 0.0000 | 82.014 | 0.01511 | 0.00000 | 319537.6 | 136336.7 | 183122.1 | S |
| 180.992 | 0.0000 | 0.0000 | 82.014 | 0.01511 | 0.00000 | 319537.6 | 136337.1 | 183122.1 | S |
| 181.000 | 0.0000 | 0.0000 | 82.013 | 0.01511 | 0.00000 | 319537.6 | 136337.6 | 183122.1 | S |
| 181.008 | 0.0000 | 0.0000 | 82.013 | 0.01511 | 0.00000 | 319537.6 | 136338.0 | 183122.1 | S |
| 181.017 | 0.0000 | 0.0000 | 82.013 | 0.01511 | 0.00000 | 319537.6 | 136338.5 | 183122.1 | S |
| 181.025 | 0.0000 | 0.0000 | 82.013 | 0.01510 | 0.00000 | 319537.6 | 136339.0 | 183122.1 | S |
| 181.033 | 0.0000 | 0.0000 | 82.013 | 0.01510 | 0.00000 | 319537.6 | 136339.4 | 183122.1 | S |
| 181.042 | 0.0000 | 0.0000 | 82.013 | 0.01510 | 0.00000 | 319537.6 | 136339.9 | 183122.1 | S |
| 181.050 | 0.0000 | 0.0000 | 82.013 | 0.01510 | 0.00000 | 319537.6 | 136340.3 | 183122.1 | S |
| 181.058 | 0.0000 | 0.0000 | 82.013 | 0.01510 | 0.00000 | 319537.6 | 136340.8 | 183122.1 | S |
| 181.067 | 0.0000 | 0.0000 | 82.013 | 0.01510 | 0.00000 | 319537.6 | 136341.2 | 183122.1 | S |
| 181.075 | 0.0000 | 0.0000 | 82.013 | 0.01510 | 0.00000 | 319537.6 | 136341.7 | 183122.1 | S |
| 181.083 | 0.0000 | 0.0000 | 82.013 | 0.01510 | 0.00000 | 319537.6 | 136342.1 | 183122.1 | S |
| 181.092 | 0.0000 | 0.0000 | 82.013 | 0.01509 | 0.00000 | 319537.6 | 136342.6 | 183122.1 | S |
| 181.100 | 0.0000 | 0.0000 | 82.013 | 0.01509 | 0.00000 | 319537.6 | 136343.0 | 183122.1 | S |
| 181.108 | 0.0000 | 0.0000 | 82.012 | 0.01509 | 0.00000 | 319537.6 | 136343.5 | 183122.1 | S |
| 181.117 | 0.0000 | 0.0000 | 82.012 | 0.01509 | 0.00000 | 319537.6 | 136343.9 | 183122.1 | S |
| 181.125 | 0.0000 | 0.0000 | 82.012 | 0.01509 | 0.00000 | 319537.6 | 136344.4 | 183122.1 | S |
| 181.133 | 0.0000 | 0.0000 | 82.012 | 0.01509 | 0.00000 | 319537.6 | 136344.8 | 183122.1 | S |
| 181.142 | 0.0000 | 0.0000 | 82.012 | 0.01509 | 0.00000 | 319537.6 | 136345.3 | 183122.1 | S |
| 181.150 | 0.0000 | 0.0000 | 82.012 | 0.01508 | 0.00000 | 319537.6 | 136345.8 | 183122.1 | S |
| 181.158 | 0.0000 | 0.0000 | 82.012 | 0.01508 | 0.00000 | 319537.6 | 136346.2 | 183122.1 | S |
| 181.167 | 0.0000 | 0.0000 | 82.012 | 0.01508 | 0.00000 | 319537.6 | 136346.6 | 183122.1 | S |
| 181.175 | 0.0000 | 0.0000 | 82.012 | 0.01508 | 0.00000 | 319537.6 | 136347.1 | 183122.1 | S |
| 181.183 | 0.0000 | 0.0000 | 82.012 | 0.01508 | 0.00000 | 319537.6 | 136347.5 | 183122.1 | S |
| 181.192 | 0.0000 | 0.0000 | 82.012 | 0.01508 | 0.00000 | 319537.6 | 136348.0 | 183122.1 | S |
| 181.200 | 0.0000 | 0.0000 | 82.012 | 0.01508 | 0.00000 | 319537.6 | 136348.5 | 183122.1 | S |
| 181.208 | 0.0000 | 0.0000 | 82.012 | 0.01508 | 0.00000 | 319537.6 | 136348.9 | 183122.1 | S |
| 181.217 | 0.0000 | 0.0000 | 82.011 | 0.01507 | 0.00000 | 319537.6 | 136349.4 | 183122.1 | S |
| 181.225 | 0.0000 | 0.0000 | 82.011 | 0.01507 | 0.00000 | 319537.6 | 136349.8 | 183122.1 | S |
| 181.233 | 0.0000 | 0.0000 | 82.011 | 0.01507 | 0.00000 | 319537.6 | 136350.3 | 183122.1 | S |
| 181.242 | 0.0000 | 0.0000 | 82.011 | 0.01507 | 0.00000 | 319537.6 | 136350.7 | 183122.1 | S |
| 181.250 | 0.0000 | 0.0000 | 82.011 | 0.01507 | 0.00000 | 319537.6 | 136351.2 | 183122.1 | S |
| 181.258 | 0.0000 | 0.0000 | 82.011 | 0.01507 | 0.00000 | 319537.6 | 136351.6 | 183122.1 | S |
| 181.267 | 0.0000 | 0.0000 | 82.011 | 0.01507 | 0.00000 | 319537.6 | 136352.1 | 183122.1 | S |
| 181.275 | 0.0000 | 0.0000 | 82.011 | 0.01506 | 0.00000 | 319537.6 | 136352.5 | 183122.1 | S |
| 181.283 | 0.0000 | 0.0000 | 82.011 | 0.01506 | 0.00000 | 319537.6 | 136353.0 | 183122.1 | S |
| 181.292 | 0.0000 | 0.0000 | 82.011 | 0.01506 | 0.00000 | 319537.6 | 136353.4 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{3 / \mathrm{s}}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | infiltration Rate ( $\mathrm{ft}^{1} / \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 181.300 | 0.0000 | 0.0000 | 82.011 | 0.01506 | 0.00000 | 319537.6 | 136353.9 | 183122.1 | S |
| 181.308 | 0.0000 | 0.0000 | 82.011 | 0.01506 | 0.00000 | 319537.6 | 136354.3 | 183122.1 | S |
| 181.317 | 0.0000 | 0.0000 | 82.011 | 0.01506 | 0.00000 | 319537.6 | 136354.8 | 183122.1 | S |
| 181.325 | 0.0000 | 0.0000 | 82.010 | 0.01506 | 0.00000 | 319537.6 | 136355.2 | 183122.1 | S |
| 181.333 | 0.0000 | 0.0000 | 82.010 | 0.01506 | 0.00000 | 319537.6 | 136355.7 | 183122.1 | S |
| 181.342 | 0.0000 | 0.0000 | 82.010 | 0.01505 | 0.00000 | 319537.6 | 136356.1 | 183122.1 | S |
| 181.350 | 0.0000 | 0.0000 | 82.010 | 0.01505 | 0.00000 | 319537.6 | 136356.6 | 183122.1 | S |
| 181.358 | 0.0000 | 0.0000 | 82.010 | 0.01505 | 0.00000 | 319537.6 | 136357.0 | 183122.1 | S |
| 181.367 | 0.0000 | 0.0000 | 82.010 | 0.01505 | 0.00000 | 319537.6 | 136357.5 | 183122.1 | S |
| 181.375 | 0.0000 | 0.0000 | 82.010 | 0.01505 | 0.00000 | 319537.6 | 136358.0 | 183122.1 | S |
| 181.383 | 0.0000 | 0.0000 | 82.010 | 0.01505 | 0.00000 | 319537.6 | 136358.4 | 183122.1 | S |
| 181.392 | 0.0000 | 0.0000 | 82.010 | 0.01505 | 0.00000 | 319537.6 | 136358.8 | 183122.1 | S |
| 181.400 | 0.0000 | 0.0000 | 82.010 | 0.01504 | 0.00000 | 319537.6 | 136359.3 | 183122.4 | S |
| 181.408 | 0.0000 | 0.0000 | 82.010 | 0.01504 | 0.00000 | 319537.6 | 136359.8 | 183122.1 | S |
| 181.417 | 0.0000 | 0.0000 | 82.010 | 0.01504 | 0.00000 | 319537.6 | 136360.2 | 183122.1 | S |
| 181.425 | 0.0000 | 0.0000 | 82.010 | 0.01504 | 0.00000 | 319537.6 | 136360.7 | 183122.1 | S |
| 181.433 | 0.0000 | 0.0000 | 82.009 | 0.01504 | 0.00000 | 319537.6 | 136361.1 | 183122.1 | S |
| 181.442 | 0.0000 | 0.0000 | 82.009 | 0.01504 | 0.00000 | 319537.6 | 136361.6 | 183122.1 | S |
| 181.450 | 0.0000 | 0.0000 | 82.009 | 0.01504 | 0.00000 | 319537.6 | 136362.0 | 183122.1 | S |
| 181.458 | 0.0000 | 0.0000 | 82.009 | 0.01504 | 0.00000 | 319537.6 | 136362.5 | 183122.1 | S |
| 181.467 | 0.0000 | 0.0000 | 82.009 | 0.01503 | 0.00000 | 319537.6 | 136362.9 | 183122.1 | S |
| 181.475 | 0.0000 | 0.0000 | 82.009 | 0.01503 | 0.00000 | 319537.6 | 136363.4 | 183122.1 | S |
| 181.483 | 0.0000 | 0.0000 | 82.009 | 0.01503 | 0.00000 | 319537.6 | 136363.8 | 183122.1 | S |
| 181.492 | 0.0000 | 0.0000 | 82.009 | 0.01503 | 0.00000 | 319537.6 | 136364.3 | 183122.1 | S |
| 181.500 | 0.0000 | 0.0000 | 82.009 | 0.01503 | 0.00000 | 319537.6 | 136364.7 | 183122.1 | S |
| 181.508 | 0.0000 | 0.0000 | 82.009 | 0.01503 | 0.00000 | 319537.6 | 136365.2 | 183122.1 | S |
| 181.517 | 0.0000 | 0.0000 | 82.009 | 0.01503 | 0.00000 | 319537.6 | 136365.6 | 183122.1 | S |
| 181.525 | 0.0000 | 0.0000 | 82.009 | 0.01502 | 0.00000 | 319537.6 | 136366.1 | 183122.1 | S |
| 181.533 | 0.0000 | 0.0000 | 82.008 | 0.01502 | 0.00000 | 319537.6 | 136366.5 | 183122.1 | S |
| 181.542 | 0.0000 | 0.0000 | 82.008 | 0.01502 | 0.00000 | 319537.6 | 136367.0 | 183122.1 | S |
| 181.550 | 0.0000 | 0.0000 | 82.008 | 0.01502 | 0.00000 | 319537.6 | 136367.4 | 183122.1 | S |
| 181.558 | 0.0000 | 0.0000 | 82.008 | 0.01502 | 0.00000 | 319537.6 | 136367.9 | 183122.1 | S |
| 181.567 | 0.0000 | 0.0000 | 82.008 | 0.01502 | 0.00000 | 319537.6 | 136368.3 | 183122.1 | S |
| 181.575 | 0.0000 | 0.0000 | 82.008 | 0.01502 | 0.00000 | 319537.6 | 136368.8 | 183122.1 | S |
| 181.583 | 0.0000 | 0.0000 | 82.008 | 0.01502 | 0.00000 | 319537.6 | 136369.2 | 183122.1 | S |
| 181.592 | 0.0000 | 0.0000 | 82.008 | 0.01501 | 0.00000 | 319537.6 | 136369.7 | 183122.1 | S |
| 181.600 | 0.0000 | 0.0000 | 82.008 | 0.01501 | 0.00000 | 319537.6 | 136370.1 | 183122.1 | S |
| 181.608 | 0.0000 | 0.0000 | 82.008 | 0.01501 | 0.00000 | 319537.6 | 136370.6 | 183122.7 | S |
| 181.617 | 0.0000 | 0.0000 | 82.008 | 0.01501 | 0.00000 | 319537.6 | 136371.0 | 183122.1 | S |
| 181.625 | 0.0000 | 0.0000 | 82.008 | 0.01501 | 0.00000 | 319537.6 | 136371.5 | 183122.1 | S |
| 181.633 | 0.0000 | 0.0000 | 82.008 | 0.01501 | 0.00000 | 319537.6 | 136371.9 | 183122.1 | S |
| 181.642 | 0.0000 | 0.0000 | 82.007 | 0.01501 | 0.00000 | 319537.6 | 136372.4 | 183122.1 | S |
| 181.650 | 0.0000 | 0.0000 | 82.007 | 0.01501 | 0.00000 | 319537.6 | 136372.8 | 183122.1 | S |
| 181.658 | 0.0000 | 0.0000 | 82.007 | 0.01500 | 0.00000 | 319537.6 | 136373.3 | 183122.1 | S |
| 181.667 | 0.0000 | 0.0000 | 82.007 | 0.01500 | 0.00000 | 319537.6 | 136373.7 | 183122.1 | S |
| 181.675 | 0.0000 | 0.0000 | 82.007 | 0.01500 | 0.00000 | 319537.6 | 136374.2 | 183122.1 | S |
| 181.683 | 0.0000 | 0.0000 | 82.007 | 0.01500 | 0.00000 | 319537.6 | 136374.6 | 183122.1 | S |
| 181.692 | 0.0000 | 0.0000 | 82.007 | 0.01500 | 0.00000 | 319537.6 | 136375.1 | 183122.1 | S |
| 181.700 | 0.0000 | 0.0000 | 82.007 | 0.01500 | 0.00000 | 319537.6 | 136375.5 | 183122.1 | S |
| 181.708 | 0.0000 | 0.0000 | 82.007 | 0.01500 | 0.00000 | 319537.6 | 136376.0 | 183122.1 | S |
| 181.717 | 0.0000 | 0.0000 | 82.007 | 0.01499 | 0.00000 | 319537.6 | 136376.4 | 183122.1 | S |
| 181.725 | 0.0000 | 0.0000 | 82.007 | 0.01499 | 0.00000 | 319537.6 | 136376.9 | 183122.1 | S |
| 181.733 | 0.0000 | 0.0000 | 82.007 | 0.01499 | 0.00000 | 319537.6 | 136377.3 | 183122.1 | S |
| 181.742 | 0.0000 | 0.0000 | 82.007 | 0.01499 | 0.00000 | 319537.6 | 136377.8 | 183122.1 | S |
| 181.750 | 0.0000 | 0.0000 | 82.006 | 0.01499 | 0.00000 | 319537.6 | 136378.2 | 183122.1 | S |
| 181.758 | 0.0000 | 0.0000 | 82.006 | 0.01499 | 0.00000 | 319537.6 | 136378.7 | 183122.1 | S |
| 181.767 | 0.0000 | 0.0000 | 82.006 | 0.01499 | 0.00000 | 319537.6 | 136379.1 | 183122.1 | S |
| 181.775 | 0.0000 | 0.0000 | 82.006 | 0.01499 | 0.00000 | 319537.6 | 136379.6 | 183122.1 | S |
| 181.783 | 0.0000 | 0.0000 | 82.006 | 0.01498 | 0.00000 | 319537.6 | 136380.0 | 183122.1 | S |
| 181.792 | 0.0000 | 0.0000 | 82.006 | 0.01498 | 0.00000 | 319537.6 | 136380.5 | 183122.1 | S |
| 181.800 | 0.0000 | 0.0000 | 82.006 | 0.01498 | 0.00000 | 319537.6 | 136380.9 | 183122.1 | S |
| 181.808 | 0.0000 | 0.0000 | 82.006 | 0.01498 | 0.00000 | 319537.6 | 136381.4 | 183122.1 | S |
| 181.817 | 0.0000 | 0.0000 | 82.006 | 0.01498 | 0.00000 | 319537.6 | 136381.8 | $183122 .\{$ | S |
| 181.825 | 0.0000 | 0.0000 | 82.006 | 0.01498 | 0.00000 | 319537.6 | 136382.3 | 183122.1 | S |
| 181.833 | 0.0000 | 0.0000 | 82.006 | 0.01498 | 0.00000 | 319537.6 | 136382.7 | 183122.1 | S |
| 181.842 | 0.0000 | 0.0000 | 82.006 | 0.01497 | 0.00000 | 319537.6 | 136383.2 | 183122.1 | S |
| 181.850 | 0.0000 | 0.0000 | 82.006 | 0.01497 | 0.00000 | 319537.6 | 136383.6 | 183122.1 | S |
| 181.858 | 0.0000 | 0.0000 | 82.005 | 0.01497 | 0.00000 | 319537.6 | 136384.1 | 183122.1 | S |
| 181.867 | 0.0000 | 0.0000 | 82.005 | 0.01497 | 0.00000 | 319537.6 | 136384.5 | 183122.1 | S |
| 181.875 | 0.0000 | 0.0000 | 82.005 | 0.01497 | 0.00000 | 319537.6 | 136385.0 | 183122.1 | S |
| 181.883 | 0.0000 | 0.0000 | 82.005 | 0.01497 | 0.00000 | 319537.6 | 136385.4 | \{83122.1 | S |
| 181.892 | 0.0000 | 0.0000 | 82.005 | 0.01497 | 0.00000 | 319537.6 | 136385.9 | 183122.1 | S |
| 181.900 | 0.0000 | 0.0000 | 82.005 | 0.01497 | 0.00000 | 319537.6 | 136386.3 | 183122.1 | S |
| 181.908 | 0.0000 | 0.0000 | 82.005 | 0.01496 | 0.00000 | 319537.6 | 136386.8 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume $\left(\mathrm{ft}^{3}\right)$ | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative <br> Discharge <br> Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 181.917 | 0.0000 | 0.0000 | 82.005 | 0.01496 | 0.00000 | 319537.6 | 136387.2 | 183122.1 | S |
| 181.925 | 0.0000 | 0.0000 | 82.005 | 0.01496 | 0.00000 | 319537.6 | 136387.7 | 183122.1 | S |
| 181.933 | 0.0000 | 0.0000 | 82.005 | 0.01496 | 0.00000 | 319537.6 | 136388.1 | 183122.1 | S |
| 181.942 | 0.0000 | 0.0000 | 82.005 | 0.01496 | 0.00000 | 319537.6 | 136388.5 | 183122.1 | S |
| 181.950 | 0.0000 | 0.0000 | 82.005 | 0.01496 | 0.00000 | 319537.6 | 136389.0 | 183122.1 | S |
| 181.958 | 0.0000 | 0.0000 | 82.005 | 0.01496 | 0.00000 | 319537.6 | 136389.5 | 183122.1 | S |
| 181.967 | 0.0000 | 0.0000 | 82.004 | 0.01495 | 0.00000 | 319537.6 | 136389.9 | 183122.1 | S |
| 181.975 | 0.0000 | 0.0000 | 82.004 | 0.01495 | 0.00000 | 319537.6 | 136390.3 | 183122.1 | S |
| 181.983 | 0.0000 | 0.0000 | 82.004 | 0.01495 | 0.00000 | 319537.6 | 136390.8 | 183122.1 | S |
| 181.992 | 0.0000 | 0.0000 | 82.004 | 0.01495 | 0.00000 | 319537.6 | 136391.3 | 183122.1 | S |
| 182.000 | 0.0000 | 0.0000 | 82.004 | 0.01495 | 0.00000 | 319537.6 | 136391.7 | 183122.1 | S |
| 182.008 | 0.0000 | 0.0000 | 82.004 | 0.01495 | 0.00000 | 319537.6 | 136392.1 | 183122.1 | S |
| 182.017 | 0.0000 | 0.0000 | 82.004 | 0.01495 | 0.00000 | 319537.6 | 136392.6 | 183122.1 | S |
| 182.025 | 0.0000 | 0.0000 | 82.004 | 0.01495 | 0.00000 | 319537.6 | 136393.0 | 183122.1 | S |
| 182.033 | 0.0000 | 0.0000 | 82.004 | 0.01494 | 0.00000 | 319537.6 | 136393.5 | 183122.1 | S |
| 182.042 | 0.0000 | 0.0000 | 82.004 | 0.01494 | 0.00000 | 319537.6 | 136393.9 | 183122.1 | S |
| 182.050 | 0.0000 | 0.0000 | 82.004 | 0.01494 | 0.00000 | 319537.6 | 136394.4 | 183122.1 | S |
| 182.058 | 0.0000 | 0.0000 | 82.004 | 0.01494 | 0.00000 | 319537.6 | 136394.8 | 183122.1 | S |
| 182.067 | 0.0000 | 0.0000 | 82.004 | 0.01494 | 0.00000 | 319537.6 | 136395.3 | 183122.1 | S |
| 182.075 | 0.0000 | 0.0000 | 82.003 | 0.01494 | 0.00000 | 319537.6 | 136395.7 | \$83122.1 | S |
| 182.083 | 0.0000 | 0.0000 | 82.003 | 0.01494 | 0.00000 | 319537.6 | 136396.2 | 183122.1 | S |
| 182.092 | 0.0000 | 0.0000 | 82.003 | 0.01494 | 0.00000 | 319537.6 | 136396.6 | 183 | S |
| 182.100 | 0.0000 | 0.0000 | 82.003 | 0.01493 | 0.00000 | 319537.6 | 136397. 1 | 183122.1 | S |
| 182.108 | 0.0000 | 0.0000 | 82.003 | 0.01493 | 0.00000 | 319537.6 | 136397.5 | 183122.1 | S |
| 182.117 | 0.0000 | 0.0000 | 82.003 | 0.01493 | 0.00000 | 319537.6 | 136398.0 | 183122.1 | S |
| 182.125 | 0.0000 | 0.0000 | 82.003 | 0.01493 | 0.00000 | 319537.6 | 136398.4 | 183122.1 | S |
| 182.133 | 0.0000 | 0.0000 | 82.003 | 0.01493 | 0.00000 | 319537.6 | 136398.9 | 183122.1 | S |
| 182.142 | 0.0000 | 0.0000 | 82.003 | 0.01493 | 0.00000 | 319537.6 | 136399.3 | 183122.1 | S |
| 182.150 | 0.0000 | 0.0000 | 82.003 | 0.01493 | 0.00000 | 319537.6 | 136399.8 | 183122.1 | S |
| 182.158 | 0.0000 | 0.0000 | 82.003 | 0.01492 | 0.00000 | 319537.6 | 136400.2 | 183122.1 | S |
| 182.167 | 0.0000 | 0.0000 | 82.003 | 0.01492 | 0.00000 | 319537.6 | 136400.7 | 183122.1 | S |
| 182.175 | 0.0000 | 0.0000 | 82.002 | 0.01492 | 0.00000 | 319537.6 | 136401.1 | 183122.1 | S |
| 182.183 | 0.0000 | 0.0000 | 82.002 | 0.01492 | 0.00000 | 319537.6 | 136401.5 | 183122.1 | S |
| 182.192 | 0.0000 | 0.0000 | 82.002 | 0.01492 | 0.00000 | 319537.6 | 136402.0 | 183122.1 | S |
| 182.200 | 0.0000 | 0.0000 | 82.002 | 0.01492 | 0.00000 | 319537.6 | 136402.5 | 183122.1 | S |
| 182.208 | 0.0000 | 0.0000 | 82.002 | 0.01492 | 0.00000 | 319537.6 | 136402.9 | 183122.1 | S |
| 182.217 | 0.0000 | 0.0000 | 82.002 | 0.01492 | 0.00000 | 319537.6 | 136403.3 | 183122.1 | S |
| 182.225 | 0.0000 | 0.0000 | 82.002 | 0.01491 | 0.00000 | 319537.6 | 136403.8 | 183122.1 | S |
| 182.233 | 0.0000 | 0.0000 | 82.002 | 0.01491 | 0.00000 | 319537.6 | 136404.2 | 183122.1 | S |
| 182.242 | 0.0000 | 0.0000 | 82.002 | 0.01491 | 0.00000 | 319537.6 | 136404.7 | 183122.1 | S |
| 182.250 | 0.0000 | 0.0000 | 82.002 | 0.01491 | 0.00000 | 319537.6 | 136405.1 | 183122.1 | S |
| 182.258 | 0.0000 | 0.0000 | 82.002 | 0.01491 | 0.00000 | 319537.6 | 136405.6 | 183122.1 | S |
| 182.267 | 0.0000 | 0.0000 | 82.002 | 0.01491 | 0.00000 | 319537.6 | 136406.0 | 183122.1 | S |
| 182.275 | 0.0000 | 0.0000 | 82.002 | 0.01491 | 0.00000 | 319537.6 | 136406.5 | 183122.1 | S |
| 182.283 | 0.0000 | 0.0000 | 82.001 | 0.01491 | 0.00000 | 319537.6 | 136406.9 | 183122.1 | S |
| 182.292 | 0.0000 | 0.0000 | 82.001 | 0.01490 | 0.00000 | 319537.6 | 136407.4 | 183122.1 | S |
| 182.300 | 0.0000 | 0.0000 | 82.001 | 0.01490 | 0.00000 | 319537.6 | 136407.8 | 183122.1 | S |
| 182.308 | 0.0000 | 0.0000 | 82.001 | 0.01490 | 0.00000 | 319537.6 | 136408.3 | 183122.1 | S |
| 182.317 | 0.0000 | 0.0000 | 82.001 | 0.01490 | 0.00000 | 319537.6 | 136408.7 | 183122.1 | S |
| 182.325 | 0.0000 | 0.0000 | 82.001 | 0.01490 | 0.00000 | 319537.6 | 136409.2 | 183122.1 | S |
| 182.333 | 0.0000 | 0.0000 | 82.001 | 0.01490 | 0.00000 | 319537.6 | 136409.6 | 183122.1 | S |
| 182.342 | 0.0000 | 0.0000 | 82.001 | 0.01490 | 0.00000 | 319537.6 | 136410.0 | 183122.1 | S |
| 182.350 | 0.0000 | 0.0000 | 82.001 | 0.01489 | 0.00000 | 319537.6 | 136410.5 | 183122.1 | S |
| 182.358 | 0.0000 | 0.0000 | 82.001 | 0.01489 | 0.00000 | 319537.6 | 136410.9 | 183122.1 | S |
| 182.367 | 0.0000 | 0.0000 | 82.001 | 0.01489 | 0.00000 | 319537.6 | 136411.4 | 183122.1 | S |
| 182.375 | 0.0000 | 0.0000 | 82.001 | 0.01489 | 0.00000 | 319537.6 | 136411.8 | 183122.1 | S |
| 182.383 | 0.0000 | 0.0000 | 82.001 | 0.01489 | 0.00000 | 319537.6 | 136412.3 | 183122.1 | S |
| 182.392 | 0.0000 | 0.0000 | 82.000 | 0.01489 | 0.00000 | 319537.6 | 136412.7 | 183122.1 | S |
| 182.400 | 0.0000 | 0.0000 | 82.000 | 0.01489 | 0.00000 | 319537.6 | 136413.2 | 183122.1 | S |
| 182.408 | 0.0000 | 0.0000 | 82.000 | 0.01489 | 0.00000 | 319537.6 | 136413.6 | 183122.1 | S |
| 182.417 | 0.0000 | 0.0000 | 82.000 | 0.01488 | 0.00000 | 319537.6 | 136414.1 | 183122.1 | S |
| 182.425 | 0.0000 | 0.0000 | 82.000 | 0.01488 | 0.00000 | 319537.6 | 136414.5 | 483122.1 | S |
| 182.433 | 0.0000 | 0.0000 | 82.000 | 0.01488 | 0.00000 | 319537.6 | 136415.0 | 183122.1 | S |
| 182.442 | 0.0000 | 0.0000 | 82.000 | 0.00854 | 0.00000 | 319537.6 | 136415.4 | 183122.1 | S |
| 182.450 | 0.0000 | 0.0000 | 82.000 | 0.00110 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 182.458 | 0.0000 | 0.0000 | 82.000 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 182.467 | 0.0000 | 0.0000 | 82.000 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 182.475 | 0.0000 | 0.0000 | 82.000 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 182.483 | 0.0000 | 0.0000 | 82.000 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 182.492 | 0.0000 | 0.0000 | 82.000 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 182.500 | 0.0000 | 0.0000 | 82.000 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 182.508 | 0.0000 | 0.0000 | 82.000 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 182.517 | 0.0000 | 0.0000 | 82.000 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 182.525 | 0.0000 | 0.0000 | 82.000 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr / 24 Hr routing w/overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / 5}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate (ft ${ }^{3} / \mathrm{s}$ ) | Overfiow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Voiume ( $\mathrm{ff}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 182.533 | 0.0000 | 0.0000 | 82.000 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 182.542 | 0.0000 | 0.0000 | 82.000 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 182.550 | 0.0000 | 0.0000 | 81.999 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 182.558 | 0.0000 | 0.0000 | 81.999 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 182.567 | 0.0000 | 0.0000 | 81.999 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 182.575 | 0.0000 | 0.0000 | 81.999 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 182.583 | 0.0000 | 0.0000 | 81.999 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 182.592 | 0.0000 | 0.0000 | 81.999 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 182.600 | 0.0000 | 0.0000 | 81.999 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 182.608 | 0.0000 | 0.0000 | 81.999 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 182.617 | 0.0000 | 0.0000 | 81.999 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 182.625 | 0.0000 | 0.0000 | 81.999 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 182.633 | 0.0000 | 0.0000 | 81.999 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 182.642 | 0.0000 | 0.0000 | 81.999 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 182.650 | 0.0000 | 0.0000 | 81.999 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 182.658 | 0.0000 | 0.0000 | 81.999 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 182.667 | 0.0000 | 0.0000 | 81.999 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 182.675 | 0.0000 | 0.0000 | 81.999 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 182.683 | 0.0000 | 0.0000 | 81.999 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 182.692 | 0.0000 | 0.0000 | 81.999 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 182.700 | 0.0000 | 0.0000 | 81.999 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 182.708 | 0.0000 | 0.0000 | 81.999 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 182.717 | 0.0000 | 0.0000 | 81.999 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 182.725 | 0.0000 | 0.0000 | 81.999 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 182.733 | 0.0000 | 0.0000 | 81.999 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 182.742 | 0.0000 | 0.0000 | 81.998 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 182.750 | 0.0000 | 0.0000 | 81.998 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 182.758 | 0.0000 | 0.0000 | 81.998 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 182.767 | 0.0000 | 0.0000 | 81.998 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 182.775 | 0.0000 | 0.0000 | 81.998 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 182.783 | 0.0000 | 0.0000 | 81.998 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| \$82.792 | 0.0000 | 0.0000 | 81.998 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 182.800 | 0.0000 | 0.0000 | 81.998 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 182.808 | 0.0000 | 0.0000 | 81.998 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 182.817 | 0.0000 | 0.0000 | 81.998 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 182.825 | 0.0000 | 0.0000 | 81.998 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 182.833 | 0.0000 | 0.0000 | 81.998 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | \$83122.1 | S |
| 182.842 | 0.0000 | 0.0000 | 81.998 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 182.850 | 0.0000 | 0.0000 | 81.998 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 182.858 | 0.0000 | 0.0000 | 81.998 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 182.867 | 0.0000 | 0.0000 | 81.998 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.3 | S |
| 182.875 | 0.0000 | 0.0000 | 81.998 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 182.883 | 0.0000 | 0.0000 | 81.998 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 182.892 | 0.0000 | 0.0000 | 81.998 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 182.900 | 0.0000 | 0.0000 | 81.998 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 182.908 | 0.0000 | 0.0000 | 81.998 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 182.917 | 0.0000 | 0.0000 | 81.998 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 182.925 | 0.0000 | 0.0000 | 81.998 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 182.933 | 0.0000 | 0.0000 | 81.998 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 182.942 | 0.0000 | 0.0000 | 81.997 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 182.950 | 0.0000 | 0.0000 | 81.997 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 182.958 | 0.0000 | 0.0000 | 81.997 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.3 | S |
| 182.967 | 0.0000 | 0.0000 | 81.997 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 182.975 | 0.0000 | 0.0000 | 81.997 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 182.983 | 0.0000 | 0.0000 | 81.997 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 182.992 | 0.0000 | 0.0000 | 81.997 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.000 | 0.0000 | 0.0000 | 81.997 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.008 | 0.0000 | 0.0000 | 81.997 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.017 | 0.0000 | 0.0000 | 81.997 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.025 | 0.0000 | 0.0000 | 81.997 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.033 | 0.0000 | 0.0000 | 81.997 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.042 | 0.0000 | 0.0000 | 81.997 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.050 | 0.0000 | 0.0000 | 81.997 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.058 | 0.0000 | 0.0000 | 81.997 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.067 | 0.0000 | 0.0000 | 81.997 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.075 | 0.0000 | 0.0000 | 81.997 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.083 | 0.0000 | 0.0000 | 81.997 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.092 | 0.0000 | 0.0000 | 81.997 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.100 | 0.0000 | 0.0000 | 81.997 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.108 | 0.0000 | 0.0000 | 81.997 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.117 | 0.0000 | 0.0000 | 81.997 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.125 | 0.0000 | 0.0000 | 81.996 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.133 | 0.0000 | 0.0000 | 81.996 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.142 | 0.0000 | 0.0000 | 81.996 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation ( f datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{fl}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| \$83.150 | 0.0000 | 0.0000 | 81.996 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.158 | 0.0000 | 0.0000 | 81.996 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.167 | 0.0000 | 0.0000 | 81.996 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.175 | 0.0000 | 0.0000 | 81.996 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183422.1 | S |
| 183.183 | 0.0000 | 0.0000 | 81.996 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.192 | 0.0000 | 0.0000 | 81.996 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.200 | 0.0000 | 0.0000 | 81.996 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.208 | 0.0000 | 0.0000 | 81.996 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.217 | 0.0000 | 0.0000 | 81.996 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.225 | 0.0000 | 0.0000 | 81.996 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.233 | 0.0000 | 0.0000 | 81.996 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.242 | 0.0000 | 0.0000 | 81.996 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.250 | 0.0000 | 0.0000 | 81.996 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.258 | 0.0000 | 0.0000 | 81.996 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.267 | 0.0000 | 0.0000 | 81.996 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.275 | 0.0000 | 0.0000 | 81.996 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.283 | 0.0000 | 0.0000 | 81.996 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.292 | 0.0000 | 0.0000 | 81.996 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.300 | 0.0000 | 0.0000 | 81.996 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.308 | 0.0000 | 0.0000 | 81.996 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.317 | 0.0000 | 0.0000 | 81.995 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.325 | 0.0000 | 0.0000 | 81.995 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.333 | 0.0000 | 0.0000 | 81.995 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.342 | 0.0000 | 0.0000 | 81.995 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.350 | 0.0000 | 0.0000 | 81.995 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.358 | 0.0000 | 0.0000 | 81.995 | 0.00000 | 0.00000 | 319537.6 | \$36415.5 | 183122.1 | S |
| 183.367 | 0.0000 | 0.0000 | 81.995 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.375 | 0.0000 | 0.0000 | 81.995 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.383 | 0.0000 | 0.0000 | 81.995 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.392 | 0.0000 | 0.0000 | 81.995 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.400 | 0.0000 | 0.0000 | 81.995 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.408 | 0.0000 | 0.0000 | 81.995 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.417 | 0.0000 | 0.0000 | 81.995 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.425 | 0.0000 | 0.0000 | 81.995 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.433 | 0.0000 | 0.0000 | 81.995 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.442 | 0.0000 | 0.0000 | 81.995 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.450 | 0.0000 | 0.0000 | 81.995 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.458 | 0.0000 | 0.0000 | 81.995 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.467 | 0.0000 | 0.0000 | 81.995 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.475 | 0.0000 | 0.0000 | 81.995 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.483 | 0.0000 | 0.0000 | 81.995 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.492 | 0.0000 | 0.0000 | 81.995 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.500 | 0.0000 | 0.0000 | 81.994 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.508 | 0.0000 | 0.0000 | 81.994 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.517 | 0.0000 | 0.0000 | 81.994 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.525 | 0.0000 | 0.0000 | 81.994 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.533 | 0.0000 | 0.0000 | 81.994 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.542 | 0.0000 | 0.0000 | 81.994 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.550 | 0.0000 | 0.0000 | 81.994 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.558 | 0.0000 | 0.0000 | 81.994 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.567 | 0.0000 | 0.0000 | 81.994 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.575 | 0.0000 | 0.0000 | 81.994 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.583 | 0.0000 | 0.0000 | 81.994 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.592 | 0.0000 | 0.0000 | 81.994 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.600 | 0.0000 | 0.0000 | 81.994 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.608 | 0.0000 | 0.0000 | 81.994 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.617 | 0.0000 | 0.0000 | 81.994 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.625 | 0.0000 | 0.0000 | 81.994 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.633 | 0.0000 | 0.0000 | 81.994 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.642 | 0.0000 | 0.0000 | 81.994 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.650 | 0.0000 | 0.0000 | 81.994 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.658 | 0.0000 | 0.0000 | 81.994 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.667 | 0.0000 | 0.0000 | 81.994 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.675 | 0.0000 | 0.0000 | 81.994 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.683 | 0.0000 | 0.0000 | 81.994 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.692 | 0.0000 | 0.0000 | 81.993 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.700 | 0.0000 | 0.0000 | 81.993 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.708 | 0.0000 | 0.0000 | 81.993 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.717 | 0.0000 | 0.0000 | 81.993 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.725 | 0.0000 | 0.0000 | 81.993 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.733 | 0.0000 | 0.0000 | 81.993 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.742 | 0.0000 | 0.0000 | 81.993 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.750 | 0.0000 | 0.0000 | 81.993 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.758 | 0.0000 | 0.0000 | 81.993 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (f/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 183.767 | 0.0000 | 0.0000 | 81.993 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.775 | 0.0000 | 0.0000 | 81.993 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.783 | 0.0000 | 0.0000 | 81.993 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.792 | 0.0000 | 0.0000 | 81.993 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.800 | 0.0000 | 0.0000 | 81.993 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.808 | 0.0000 | 0.0000 | 81.993 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.817 | 0.0000 | 0.0000 | 81.993 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.825 | 0.0000 | 0.0000 | 81.993 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.833 | 0.0000 | 0.0000 | 81.993 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.842 | 0.0000 | 0.0000 | 81.993 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.850 | 0.0000 | 0.0000 | 81.993 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.858 | 0.0000 | 0.0000 | 81.993 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.867 | 0.0000 | 0.0000 | 81.993 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.875 | 0.0000 | 0.0000 | 81.992 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.883 | 0.0000 | 0.0000 | 81.992 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.892 | 0.0000 | 0.0000 | 81.992 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.900 | 0.0000 | 0.0000 | 81.992 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.908 | 0.0000 | 0.0000 | 81.992 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.917 | 0.0000 | 0.0000 | 81.992 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | \$83122.1 | S |
| 183.925 | 0.0000 | 0.0000 | 81.992 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.933 | 0.0000 | 0.0000 | 81.992 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.942 | 0.0000 | 0.0000 | 81.992 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.950 | 0.0000 | 0.0000 | 81.992 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.958 | 0.0000 | 0.0000 | 81.992 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.967 | 0.0000 | 0.0000 | 81.992 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.975 | 0.0000 | 0.0000 | 81.992 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.983 | 0.0000 | 0.0000 | 81.992 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 183.992 | 0.0000 | 0.0000 | 81.992 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.000 | 0.0000 | 0.0000 | 81.992 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.008 | 0.0000 | 0.0000 | 81.992 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.017 | 0.0000 | 0.0000 | 81.992 | 0.00000 | 0.00000 | 319537.6 | \$36415.5 | 183122.1 | S |
| 184.025 | 0.0000 | 0.0000 | 81.992 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.033 | 0.0000 | 0.0000 | 81.992 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.042 | 0.0000 | 0.0000 | 81.992 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.050 | 0.0000 | 0.0000 | 81.992 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.058 | 0.0000 | 0.0000 | 81.991 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.067 | 0.0000 | 0.0000 | 81.991 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.075 | 0.0000 | 0.0000 | 81.991 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.083 | 0.0000 | 0.0000 | 81.991 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.092 | 0.0000 | 0.0000 | 81.991 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.100 | 0.0000 | 0.0000 | 81.991 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.108 | 0.0000 | 0.0000 | 81.991 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.117 | 0.0000 | 0.0000 | 81.991 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.125 | 0.0000 | 0.0000 | 81.991 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.133 | 0.0000 | 0.0000 | 81.991 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.142 | 0.0000 | 0.0000 | 81.991 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.150 | 0.0000 | 0.0000 | 81.991 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.158 | 0.0000 | 0.0000 | 81.991 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.167 | 0.0000 | 0.0000 | 81.991 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.175 | 0.0000 | 0.0000 | 81.991 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.183 | 0.0000 | 0.0000 | 81.991 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.4 | S |
| 184.192 | 0.0000 | 0.0000 | 81.991 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.200 | 0.0000 | 0.0000 | 81.991 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.208 | 0.0000 | 0.0000 | 81.991 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.217 | 0.0000 | 0.0000 | 81.991 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.225 | 0.0000 | 0.0000 | 81.991 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.9 | S |
| 184.233 | 0.0000 | 0.0000 | 81.991 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.242 | 0.0000 | 0.0000 | 81.990 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.250 | 0.0000 | 0.0000 | 81.990 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.258 | 0.0000 | 0.0000 | 81.990 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.267 | 0.0000 | 0.0000 | 81.990 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.275 | 0.0000 | 0.0000 | 81.990 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.283 | 0.0000 | 0.0000 | 81.990 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.292 | 0.0000 | 0.0000 | 81.990 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.300 | 0.0000 | 0.0000 | 81.990 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.308 | 0.0000 | 0.0000 | 81.990 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.317 | 0.0000 | 0.0000 | 81.990 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.325 | 0.0000 | 0.0000 | 81.990 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.333 | 0.0000 | 0.0000 | 81.990 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.342 | 0.0000 | 0.0000 | 81.990 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.350 | 0.0000 | 0.0000 | 81.990 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.358 | 0.0000 | 0.0000 | 81.990 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.367 | 0.0000 | 0.0000 | 81.990 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.375 | 0.0000 | 0.0000 | 81.990 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (H/day) | Stage Elevation (fl datum) | Infiltration Rate ( $\mathrm{f}^{13 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 184.383 | 0.0000 | 0.0000 | 81.990 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.392 | 0.0000 | 0.0000 | 81.990 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.400 | 0.0000 | 0.0000 | 81.990 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.408 | 0.0000 | 0.0000 | 81.990 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.417 | 0.0000 | 0.0000 | 81.990 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.425 | 0.0000 | 0.0000 | 81.989 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.433 | 0.0000 | 0.0000 | 81.989 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.442 | 0.0000 | 0.0000 | 81.989 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.450 | 0.0000 | 0.0000 | 81.989 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.458 | 0.0000 | 0.0000 | 81.989 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.467 | 0.0000 | 0.0000 | 81.989 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.475 | 0.0000 | 0.0000 | 81.989 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.483 | 0.0000 | 0.0000 | 81.989 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.492 | 0.0000 | 0.0000 | 81.989 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.500 | 0.0000 | 0.0000 | 81.989 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.508 | 0.0000 | 0.0000 | 81.989 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.517 | 0.0000 | 0.0000 | 81.989 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.525 | 0.0000 | 0.0000 | 81.989 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.533 | 0.0000 | 0.0000 | 81.989 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.542 | 0.0000 | 0.0000 | 81.989 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | 5 |
| 184.550 | 0.0000 | 0.0000 | 81.989 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.558 | 0.0000 | 0.0000 | 81.989 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.567 | 0.0000 | 0.0000 | 81.989 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.575 | 0.0000 | 0.0000 | 81.989 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.583 | 0.0000 | 0.0000 | 81.989 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.592 | 0.0000 | 0.0000 | 81.989 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.600 | 0.0000 | 0.0000 | 81.989 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.608 | 0.0000 | 0.0000 | 81.988 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.617 | 0.0000 | 0.0000 | 81.988 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.625 | 0.0000 | 0.0000 | 81.988 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.633 | 0.0000 | 0.0000 | 81.988 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.642 | 0.0000 | 0.0000 | 81.988 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.650 | 0.0000 | 0.0000 | 81.988 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.658 | 0.0000 | 0.0000 | 81.988 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.667 | 0.0000 | 0.0000 | 81.988 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.675 | 0.0000 | 0.0000 | 81.988 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.683 | 0.0000 | 0.0000 | 81.988 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.692 | 0.0000 | 0.0000 | 81.988 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.700 | 0.0000 | 0.0000 | 81.988 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.708 | 0.0000 | 0.0000 | 81.988 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.717 | 0.0000 | 0.0000 | 81.988 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.725 | 0.0000 | 0.0000 | 81.988 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.733 | 0.0000 | 0.0000 | 81.988 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.742 | 0.0000 | 0.0000 | 81.988 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.750 | 0.0000 | 0.0000 | 81.988 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.758 | 0.0000 | 0.0000 | 81.988 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.767 | 0.0000 | 0.0000 | 81.988 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.775 | 0.0000 | 0.0000 | 81.988 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.783 | 0.0000 | 0.0000 | 81.988 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.792 | 0.0000 | 0.0000 | 81.987 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.800 | 0.0000 | 0.0000 | 81.987 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.808 | 0.0000 | 0.0000 | 81.987 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.817 | 0.0000 | 0.0000 | 81.987 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.825 | 0.0000 | 0.0000 | 81.987 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.833 | 0.0000 | 0.0000 | 81.987 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.842 | 0.0000 | 0.0000 | 81.987 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.850 | 0.0000 | 0.0000 | 81.987 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.858 | 0.0000 | 0.0000 | 81.987 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.867 | 0.0000 | 0.0000 | 81.987 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.875 | 0.0000 | 0.0000 | 81.987 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.883 | 0.0000 | 0.0000 | 81.987 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.892 | 0.0000 | 0.0000 | 81.987 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.900 | 0.0000 | 0.0000 | 81.987 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.908 | 0.0000 | 0.0000 | 81.987 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| $\{84.917$ | 0.0000 | 0.0000 | 81,987 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.925 | 0.0000 | 0.0000 | 81.987 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.933 | 0.0000 | 0.0000 | 81.987 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.942 | 0.0000 | 0.0000 | 81.987 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.950 | 0.0000 | 0.0000 | 81.987 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.958 | 0.0000 | 0.0000 | 81.987 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.967 | 0.0000 | 0.0000 | 81.986 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.975 | 0.0000 | 0.0000 | 81.986 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.983 | 0.0000 | 0.0000 | 81.986 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 184.992 | 0.0000 | 0.0000 | 81.986 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | infiow Rate <br> ( $\mathrm{H}^{3 / 5}$ ) | Outside Recharge (filday) | Stage Elevation (f datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 185.000 | 0.0000 | 0.0000 | 81.986 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.008 | 0.0000 | 0.0000 | 81.986 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.017 | 0.0000 | 0.0000 | 81.986 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.025 | 0.0000 | 0.0000 | 81.986 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.033 | 0.0000 | 0.0000 | 81.986 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.042 | 0.0000 | 0.0000 | 81.986 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.050 | 0.0000 | 0.0000 | 81.986 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.058 | 0.0000 | 0.0000 | 81.986 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.067 | 0.0000 | 0.0000 | 81.986 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.075 | 0.0000 | 0.0000 | 81.986 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.083 | 0.0000 | 0.0000 | 81.986 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.092 | 0.0000 | 0.0000 | 81.986 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.100 | 0.0000 | 0.0000 | 81.986 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.108 | 0.0000 | 0.0000 | 81.986 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.117 | 0.0000 | 0.0000 | 81.986 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.125 | 0.0000 | 0.0000 | 81.986 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.133 | 0.0000 | 0.0000 | 81.986 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.142 | 0.0000 | 0.0000 | 81.986 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.150 | 0.0000 | 0.0000 | 81.985 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.158 | 0.0000 | 0.0000 | 81.985 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.167 | 0.0000 | 0.0000 | 81.985 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.175 | 0.0000 | 0.0000 | 81.985 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.183 | 0.0000 | 0.0000 | 81.985 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.192 | 0.0000 | 0.0000 | 81.985 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.200 | 0.0000 | 0.0000 | 81.985 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.208 | 0.0000 | 0.0000 | 81.985 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.217 | 0.0000 | 0.0000 | 81.985 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.225 | 0.0000 | 0.0000 | 81.985 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.233 | 0.0000 | 0.0000 | 81.985 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.242 | 0.0000 | 0.0000 | 81.985 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.250 | 0.0000 | 0.0000 | 81.985 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.258 | 0.0000 | 0.0000 | 81.985 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.267 | 0.0000 | 0.0000 | 81.985 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.275 | 0.0000 | 0.0000 | 81.985 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.283 | 0.0000 | 0.0000 | 81.985 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.292 | 0.0000 | 0.0000 | 81,985 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.300 | 0.0000 | 0.0000 | 81.985 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.308 | 0.0000 | 0.0000 | 81.985 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.317 | 0.0000 | 0.0000 | 81.985 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.325 | 0.0000 | 0.0000 | 81.984 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.333 | 0.0000 | 0.0000 | 81.984 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.342 | 0.0000 | 0.0000 | 81.984 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.350 | 0.0000 | 0.0000 | 81.984 | 0.00000 | 0.00000 | 319537.6 | 436415.5 | 183122.1 | S |
| 185.358 | 0.0000 | 0.0000 | 81.984 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.367 | 0.0000 | 0.0000 | 81.984 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.375 | 0.0000 | 0.0000 | 81.984 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.383 | 0.0000 | 0.0000 | 81.984 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.392 | 0.0000 | 0.0000 | 81.984 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.400 | 0.0000 | 0.0000 | 81.984 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.408 | 0.0000 | 0.0000 | 81.984 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.417 | 0.0000 | 0.0000 | 81.984 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.425 | 0.0000 | 0.0000 | 81.984 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.433 | 0.0000 | 0.0000 | 81.984 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.442 | 0.0000 | 0.0000 | 81.984 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.450 | 0.0000 | 0.0000 | 81.984 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.458 | 0.0000 | 0.0000 | 81.984 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.467 | 0.0000 | 0.0000 | 81.984 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.475 | 0.0000 | 0.0000 | 81.984 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.483 | 0.0000 | 0.0000 | 81.984 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.492 | 0.0000 | 0.0000 | 81.984 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.500 | 0.0000 | 0.0000 | 81.984 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.508 | 0.0000 | 0.0000 | 81.983 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.517 | 0.0000 | 0.0000 | 81.983 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.525 | 0.0000 | 0.0000 | 81.983 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.533 | 0.0000 | 0.0000 | 81.983 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.542 | 0.0000 | 0.0000 | 81.983 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.550 | 0.0000 | 0.0000 | 81.983 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.558 | 0.0000 | 0.0000 | 81.983 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.4 | S |
| 185.567 | 0.0000 | 0.0000 | 81.983 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.575 | 0.0000 | 0.0000 | 81.983 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183 \{22.1 | S |
| 185.583 | 0.0000 | 0.0000 | 81.983 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.592 | 0.0000 | 0.0000 | 81.983 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| $\uparrow 85.600$ | 0.0000 | 0.0000 | 81.983 | 0.00000 | 0.00000 | 319537.6 | \$36415.5 | 183122.1 | S |
| 185.608 | 0.0000 | 0.0000 | 81.983 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate (fis/s) | Outside Recharge (IV/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / 5}$ ) | Cumulative knflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume (ft ${ }^{3}$ ) | Fiow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 185.617 | 0.0000 | 0.0000 | 81.983 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.625 | 0.0000 | 0.0000 | 81.983 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.633 | 0.0000 | 0.0000 | 81.983 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.642 | 0.0000 | 0.0000 | 81.983 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.650 | 0.0000 | 0.0000 | 81.983 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.658 | 0.0000 | 0.0000 | 81.983 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.667 | 0.0000 | 0.0000 | 81.983 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.675 | 0.0000 | 0.0000 | 81.983 | 0.00000 | 0.00000 | 319537.6 | \$36415.5 | 183122.1 | S |
| 185.683 | 0.0000 | 0.0000 | 81.982 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.692 | 0.0000 | 0.0000 | 81.982 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.700 | 0.0000 | 0.0000 | 81.982 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.708 | 0.0000 | 0.0000 | 81.982 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| \$85.717 | 0.0000 | 0.0000 | 81.982 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.725 | 0.0000 | 0.0000 | 81.982 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.733 | 0.0000 | 0.0000 | 81.982 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.742 | 0.0000 | 0.0000 | 81.982 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.750 | 0.0000 | 0.0000 | 81.982 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.758 | 0.0000 | 0.0000 | 81.982 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.767 | 0.0000 | 0.0000 | 81.982 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.775 | 0.0000 | 0.0000 | 81.982 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.783 | 0.0000 | 0.0000 | 81.982 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.792 | 0.0000 | 0.0000 | 81.982 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.800 | 0.0000 | 0.0000 | 81.982 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.808 | 0.0000 | 0.0000 | 81.982 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.817 | 0.0000 | 0.0000 | 81.982 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.825 | 0.0000 | 0.0000 | 81.982 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.833 | 0.0000 | 0.0000 | 81.982 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.842 | 0.0000 | 0.0000 | 81.982 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.850 | 0.0000 | 0.0000 | 81.982 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.858 | 0.0000 | 0.0000 | 81.982 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.867 | 0.0000 | 0.0000 | 81.981 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.875 | 0.0000 | 0.0000 | 81.981 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.883 | 0.0000 | 0.0000 | 81.981 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.892 | 0.0000 | 0.0000 | 81,981 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.900 | 0.0000 | 0.0000 | 81.981 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.908 | 0.0000 | 0.0000 | 81.981 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.917 | 0.0000 | 0.0000 | 81.981 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.925 | 0.0000 | 0.0000 | 81.981 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.933 | 0.0000 | 0.0000 | 81.981 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.942 | 0.0000 | 0.0000 | 81.981 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.950 | 0.0000 | 0.0000 | 81.981 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.958 | 0.0000 | 0.0000 | 81.981 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.967 | 0.0000 | 0.0000 | 81.981 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.7 | S |
| 185.975 | 0.0000 | 0.0000 | 81.981 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.983 | 0.0000 | 0.0000 | 81.981 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 185.992 | 0.0000 | 0.0000 | 81.981 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.000 | 0.0000 | 0.0000 | 81.981 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.008 | 0.0000 | 0.0000 | 81.981 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.017 | 0.0000 | 0.0000 | 81.981 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.025 | 0.0000 | 0.0000 | 81.981 | 0.00000 | 0.00000 | 319537.6 | 136475.5 | 183122.1 | S |
| 186.033 | 0.0000 | 0.0000 | 81.981 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.042 | 0.0000 | 0.0000 | 81.980 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.050 | 0.0000 | 0.0000 | 81.980 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.058 | 0.0000 | 0.0000 | 81.980 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.067 | 0.0000 | 0.0000 | 81.980 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.075 | 0.0000 | 0.0000 | 81.980 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.083 | 0.0000 | 0.0000 | 81.980 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.092 | 0.0000 | 0.0000 | 81.980 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.100 | 0.0000 | 0.0000 | 81.980 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.108 | 0.0000 | 0.0000 | 81.980 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.117 | 0.0000 | 0.0000 | 81.980 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.125 | 0.0000 | 0.0000 | 81.980 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.133 | 0.0000 | 0.0000 | 81.980 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.142 | 0.0000 | 0.0000 | 81.980 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.150 | 0.0000 | 0.0000 | 81.980 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.158 | 0.0000 | 0.0000 | 81.980 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.167 | 0.0000 | 0.0000 | 81.980 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.175 | 0.0000 | 0.0000 | 81.980 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.183 | 0.0000 | 0.0000 | 81.980 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.192 | 0.0000 | 0.0000 | 81.980 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.200 | 0.0000 | 0.0000 | 81.980 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.208 | 0.0000 | 0.0000 | 81.980 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.217 | 0.0000 | 0.0000 | 81.979 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.225 | 0.0000 | 0.0000 | 81.979 | 0.00000 | 0.00000 | 319537.6 | \$36415.5 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 $100 \mathrm{yr} / 24 \mathrm{Hr}$ routing w/ overflow

| Elapsed Time (hours) | Inflow Rate (fi3/s) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infilkration Rate ( $\mathrm{H}^{3 / \mathrm{s}}$ ) | Overlow Discharge $\left(\pi^{3} / \mathrm{s}\right)$ | Cumulative inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 186.233 | 0.0000 | 0.0000 | 81.979 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.242 | 0.0000 | 0.0000 | 81.979 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.250 | 0.0000 | 0.0000 | 81.979 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.258 | 0.0000 | 0.0000 | 81.979 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.267 | 0.0000 | 0.0000 | 81.979 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | $183 \ddagger 22.1$ | S |
| 186.275 | 0.0000 | 0.0000 | 81.979 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.283 | 0.0000 | 0.0000 | 81.979 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.292 | 0.0000 | 0.0000 | 81.979 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.300 | 0.0000 | 0.0000 | 81.979 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.308 | 0.0000 | 0.0000 | 81.979 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.317 | 0.0000 | 0.0000 | 81.979 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.325 | 0.0000 | 0.0000 | 81.979 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.333 | 0.0000 | 0.0000 | 81.979 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.342 | 0.0000 | 0.0000 | 81.979 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.350 | 0.0000 | 0.0000 | 81.979 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.358 | 0.0000 | 0.0000 | 81.979 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.367 | 0.0000 | 0.0000 | 81.979 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.375 | 0.0000 | 0.0000 | 81.979 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.383 | 0.0000 | 0.0000 | 81.979 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.392 | 0.0000 | 0.0000 | 81.979 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.400 | 0.0000 | 0.0000 | 81.978 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.408 | 0.0000 | 0.0000 | 81.978 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.417 | 0.0000 | 0.0000 | 81.978 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.425 | 0.0000 | 0.0000 | 81.978 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.433 | 0.0000 | 0.0000 | 81.978 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.442 | 0.0000 | 0.0000 | 81.978 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.450 | 0.0000 | 0.0000 | 81.978 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.458 | 0.0000 | 0.0000 | 81.978 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.467 | 0.0000 | 0.0000 | 81.978 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.475 | 0.0000 | 0.0000 | 81.978 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.483 | 0.0000 | 0.0000 | 81.978 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.492 | 0.0000 | 0.0000 | 81.978 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.500 | 0.0000 | 0.0000 | 81.978 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.508 | 0.0000 | 0.0000 | 81.978 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.517 | 0.0000 | 0.0000 | 81.978 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.525 | 0.0000 | 0.0000 | 81.978 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.533 | 0.0000 | 0.0000 | 81.978 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.542 | 0.0000 | 0.0000 | 81.978 | 0.00000 | 0.00000 | 319537.6 | \$36415.5 | 183122.1 | S |
| 186.550 | 0.0000 | 0.0000 | 81.978 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.558 | 0.0000 | 0.0000 | 81.978 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.567 | 0.0000 | 0.0000 | 81.978 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.575 | 0.0000 | 0.0000 | 81.977 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.583 | 0.0000 | 0.0000 | 81.977 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.592 | 0.0000 | 0.0000 | 81.977 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.600 | 0.0000 | 0.0000 | 81.977 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.608 | 0.0000 | 0.0000 | 81.977 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.617 | 0.0000 | 0.0000 | 81.977 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.625 | 0.0000 | 0.0000 | 81.977 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.633 | 0.0000 | 0.0000 | 81.977 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.642 | 0.0000 | 0.0000 | 81.977 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.650 | 0.0000 | 0.0000 | 81.977 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.658 | 0.0000 | 0.0000 | 81.977 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.667 | 0.0000 | 0.0000 | 81.977 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.675 | 0.0000 | 0.0000 | 81.977 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.683 | 0.0000 | 0.0000 | 81.977 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.692 | 0.0000 | 0.0000 | 81.977 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.700 | 0.0000 | 0.0000 | 81.977 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.708 | 0.0000 | 0.0000 | 81.977 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.717 | 0.0000 | 0.0000 | 81.977 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.725 | 0.0000 | 0.0000 | 81.977 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.733 | 0.0000 | 0.0000 | 81.977 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.742 | 0.0000 | 0.0000 | 81.977 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | $\uparrow 83122.1$ | S |
| 186.750 | 0.0000 | 0.0000 | 81.976 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.758 | 0.0000 | 0.0000 | 81.976 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.767 | 0.0000 | 0.0000 | 81.976 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.775 | 0.0000 | 0.0000 | 81.976 | 0.00000 | 0.00000 | 319537.6 | \$36415.5 | 183122.1 | S |
| 186.783 | 0.0000 | 0.0000 | 81.976 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.792 | 0.0000 | 0.0000 | 81.976 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.800 | 0.0000 | 0.0000 | 81.976 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.808 | 0.0000 | 0.0000 | 81.976 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.817 | 0.0000 | 0.0000 | 81.976 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.825 | 0.0000 | 0.0000 | 81.976 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.833 | 0.0000 | 0.0000 | 81.976 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.842 | 0.0000 | 0.0000 | 81.976 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: pond10 100 yr/24 Hr routing w/overflow

| Elapsed Time (hours) | inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (f/day) | Stage Elevation (fl datum) | Infilkration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{H}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 186.850 | 0.0000 | 0.0000 | 81.976 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.858 | 0.0000 | 0.0000 | 81.976 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.867 | 0.0000 | 0.0000 | 81.976 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.875 | 0.0000 | 0.0000 | 81.976 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.883 | 0.0000 | 0.0000 | 81.976 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.892 | 0.0000 | 0.0000 | 81.976 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.900 | 0.0000 | 0.0000 | 81.976 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.7 | S |
| 186.908 | 0.0000 | 0.0000 | 81.976 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.917 | 0.0000 | 0.0000 | 81.976 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.925 | 0.0000 | 0.0000 | 81.975 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.933 | 0.0000 | 0.0000 | 81.975 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.942 | 0.0000 | 0.0000 | 81.975 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.950 | 0.0000 | 0.0000 | 81.975 | 0.00000 | 0.00000 | 318537.6 | 136415.5 | 183122.1 | S |
| 186.958 | 0.0000 | 0.0000 | 81.975 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.967 | 0.0000 | 0.0000 | 81.975 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.975 | 0.0000 | 0.0000 | 81.975 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.983 | 0.0000 | 0.0000 | 81.975 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 186.992 | 0.0000 | 0.0000 | 81.975 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.000 | 0.0000 | 0.0000 | 81.975 | 0.00000 | 0.00000 | 319537.6 | \$36415.5 | 183122.1 | S |
| 187.008 | 0.0000 | 0.0000 | 81.975 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.017 | 0.0000 | 0.0000 | 81.975 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.025 | 0.0000 | 0.0000 | 81.975 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.033 | 0.0000 | 0.0000 | 81.975 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.042 | 0.0000 | 0.0000 | 81.975 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.050 | 0.0000 | 0.0000 | 81.975 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.058 | 0.0000 | 0.0000 | 81.975 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.067 | 0.0000 | 0.0000 | 81.975 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.075 | 0.0000 | 0.0000 | 81.975 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.083 | 0.0000 | 0.0000 | 81.975 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.092 | 0.0000 | 0.0000 | 81.975 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.100 | 0.0000 | 0.0000 | 81.975 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.108 | 0.0000 | 0.0000 | 81.974 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.117 | 0.0000 | 0.0000 | 81.974 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.125 | 0.0000 | 0.0000 | 81.974 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.133 | 0.0000 | 0.0000 | 81.974 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.142 | 0.0000 | 0.0000 | 81.974 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.150 | 0.0000 | 0.0000 | 81.974 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.158 | 0.0000 | 0.0000 | 81.974 | 0.00000 | 0.00000 | $3 \ddagger 9537.6$ | 136415.5 | 183122.1 | S |
| 187.167 | 0.0000 | 0.0000 | 81.974 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.175 | 0.0000 | 0.0000 | 81.974 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.183 | 0.0000 | 0.0000 | 81.974 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.192 | 0.0000 | 0.0000 | 81.974 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.200 | 0.0000 | 0.0000 | 81.974 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.208 | 0.0000 | 0.0000 | 81.974 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.217 | 0.0000 | 0.0000 | 81.974 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.225 | 0.0000 | 0.0000 | 81.974 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.233 | 0.0000 | 0.0000 | 81.974 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.4 | S |
| 187.242 | 0.0000 | 0.0000 | 81.974 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.250 | 0.0000 | 0.0000 | 81.974 | 0.00000 | 0.00000 | 319537.6 | \$36415.5 | 183122.1 | S |
| 187.258 | 0.0000 | 0.0000 | 81.974 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.267 | 0.0000 | 0.0000 | 81.974 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.275 | 0.0000 | 0.0000 | 81.974 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.283 | 0.0000 | 0.0000 | 81.973 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.292 | 0.0000 | 0.0000 | 81.973 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.300 | 0.0000 | 0.0000 | 81.973 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.308 | 0.0000 | 0.0000 | 81.973 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.317 | 0.0000 | 0.0000 | 81.973 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.325 | 0.0000 | 0.0000 | 81.973 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.333 | 0.0000 | 0.0000 | 81.973 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.342 | 0.0000 | 0.0000 | 81.973 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.350 | 0.0000 | 0.0000 | 81.973 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.358 | 0.0000 | 0.0000 | 81.973 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.367 | 0.0000 | 0.0000 | 81.973 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.375 | 0.0000 | 0.0000 | 81.973 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.383 | 0.0000 | 0.0000 | 81.973 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.392 | 0.0000 | 0.0000 | 81.973 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.400 | 0.0000 | 0.0000 | 81.973 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.408 | 0.0000 | 0.0000 | 81.973 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.417 | 0.0000 | 0.0000 | 81.973 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.425 | 0.0000 | 0.0000 | 81.973 | 0.00000 | 0.00000 | 319537.6 | \$36415.5 | 183122.1 | S |
| 187.433 | 0.0000 | 0.0000 | 81.973 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.442 | 0.0000 | 0.0000 | 81.973 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.450 | 0.0000 | 0.0000 | 81.973 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.458 | 0.0000 | 0.0000 | 81.972 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: pond10 100 yr/24 Hr routing w/ overflow

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (f/day) | Stage Elevation (fi datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infitration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 187.467 | 0.0000 | 0.0000 | 81.972 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.475 | 0.0000 | 0.0000 | 81.972 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.483 | 0.0000 | 0.0000 | 81.972 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.492 | 0.0000 | 0.0000 | 81.972 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.500 | 0.0000 | 0.0000 | 81.972 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.508 | 0.0000 | 0.0000 | 81.972 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.517 | 0.0000 | 0.0000 | 81.972 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.525 | 0.0000 | 0.0000 | 81.972 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.7 | S |
| 187.533 | 0.0000 | 0.0000 | 81.972 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.542 | 0.0000 | 0.0000 | 81.972 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.550 | 0.0000 | 0.0000 | 81.972 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.558 | 0.0000 | 0.0000 | 81.972 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.567 | 0.0000 | 0.0000 | 81.972 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.575 | 0.0000 | 0.0000 | 81.972 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.583 | 0.0000 | 0.0000 | 81.972 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.592 | 0.0000 | 0.0000 | 81.972 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.600 | 0.0000 | 0.0000 | 81.972 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.608 | 0.0000 | 0.0000 | 81.972 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.617 | 0.0000 | 0.0000 | 81.972 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.625 | 0.0000 | 0.0000 | 81.972 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.633 | 0.0000 | 0.0000 | 81.971 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.642 | 0.0000 | 0.0000 | 81.971 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.650 | 0.0000 | 0.0000 | 81.971 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.658 | 0.0000 | 0.0000 | 81.971 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.667 | 0.0000 | 0.0000 | 81.971 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.675 | 0.0000 | 0.0000 | 81.971 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.683 | 0.0000 | 0.0000 | 81.971 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.692 | 0.0000 | 0.0000 | 81.971 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.700 | 0.0000 | 0.0000 | 81.971 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183722.1 | S |
| 187.708 | 0.0000 | 0.0000 | 81.971 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.717 | 0.0000 | 0.0000 | 81.971 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.725 | 0.0000 | 0.0000 | 81.971 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.733 | 0.0000 | 0.0000 | 81.971 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.742 | 0.0000 | 0.0000 | 81.971 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.750 | 0.0000 | 0.0000 | 81.971 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.758 | 0.0000 | 0.0000 | 81.971 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.767 | 0.0000 | 0.0000 | 81.971 | 0.00000 | 0.00000 | 319537.6 | \$36415.5 | 183122.1 | S |
| 187.775 | 0.0000 | 0.0000 | 81.971 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.783 | 0.0000 | 0.0000 | 81.971 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.792 | 0.0000 | 0.0000 | 81.971 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.800 | 0.0000 | 0.0000 | 81.971 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.808 | 0.0000 | 0.0000 | 81.970 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.817 | 0.0000 | 0.0000 | 81.970 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.825 | 0.0000 | 0.0000 | 81.970 | 0.00000 | 0.00000 | 319537.6 | $\ddagger 36415.5$ | 183122.1 | S |
| 187.833 | 0.0000 | 0.0000 | 81.970 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.842 | 0.0000 | 0.0000 | 81.970 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.850 | 0.0000 | 0.0000 | 81.970 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.858 | 0.0000 | 0.0000 | 81.970 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.867 | 0.0000 | 0.0000 | 81.970 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.875 | 0.0000 | 0.0000 | 81.970 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | \$83122.1 | S |
| 187.883 | 0.0000 | 0.0000 | 81.970 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.892 | 0.0000 | 0.0000 | 81.970 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.900 | 0.0000 | 0.0000 | 81.970 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.908 | 0.0000 | 0.0000 | 81.970 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.917 | 0.0000 | 0.0000 | 81.970 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.925 | 0.0000 | 0.0000 | 81.970 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| $\{87.933$ | 0.0000 | 0.0000 | 81.970 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.942 | 0.0000 | 0.0000 | 81.970 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.950 | 0.0000 | 0.0000 | 81.970 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.958 | 0.0000 | 0.0000 | 81.970 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.967 | 0.0000 | 0.0000 | 81.970 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.975 | 0.0000 | 0.0000 | 81.970 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.983 | 0.0000 | 0.0000 | 81.969 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 187.992 | 0.0000 | 0.0000 | 81.969 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 188.000 | 0.0000 | 0.0000 | 81.969 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 188.008 | 0.0000 | 0.0000 | 81.969 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 188.017 | 0.0000 | 0.0000 | 81.969 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 188.025 | 0.0000 | 0.0000 | 81.969 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 188.033 | 0.0000 | 0.0000 | 81.969 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 188.042 | 0.0000 | 0.0000 | 81.969 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | \$83122.1 | S |
| 188.050 | 0.0000 | 0.0000 | 81.969 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 188.058 | 0.0000 | 0.0000 | 81.969 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 188.067 | 0.0000 | 0.0000 | 81.969 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |
| 188.075 | 0.0000 | 0.0000 | 81.969 | 0.00000 | 0.00000 | 319537.6 | 136415.5 | 183122.1 | S |

# PONDS Routing and Recovery Analysis 

Buildout Results

Pond 11<br>100-year / 24-Hour Storm

Input Report<br>Summary of Results<br>Detailed Results

(Pond dry at Hour 192)

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

## Project Data

| Project Name: | Vista Landfill Redesign |
| :--- | :--- |
| Simulation Description: | Pond 11-100 Year / 24 Hour Routing and Recovery Analysis w/infiltration |
| Project Number: | $10-2141$ |
| Engineer: | cms |
| Supervising Engineer: | cms |
| Date: | $01-06-2011$ |

## Aquifer Data

Base Of Aquifer Elevation, $[\mathrm{B}]$ ( ft datum): ..... 59.00
Water Table Elevation, [WT] (ft datum): ..... 60.00
Horizontal Saturated Hydraulic Conductivity, [Kh] (ft/day): ..... 15.00
Fillable Porosity, [n] (\%): ..... 20.00
Unsaturated Vertical Infiltration Rate, [lv] (ft/day): ..... 5.0
Maximum Area For Unsaturated Infiltration, [Av] ( $\mathrm{ft}^{2}$ ): ..... 93019.0

## Geometry Data

Equivalent Pond Length, [ L$]$ ] ft ): ..... 800.0
Equivalent Pond Width, [W] (ft): ..... 50.0
Ground water mound is expected to intersect the pond bottom

## Stage vs Area Data

| Stage <br> (ft datum) | Area <br> $\left(\mathrm{ft}^{2}\right)$ |
| ---: | ---: | ---: |
| 80.00 | 29903.0 |
| 81.00 | 35336.0 |
| 82.00 | 40830.0 |
| 83.00 | 46385.0 |
| 84.00 | 52001.0 |
| 85.00 | 57678.0 |
| 86.00 | 63416.0 |
| 87.00 | 69215.0 |
| 88.00 | 75047.0 |
| 89.00 | 80995.0 |
| 90.00 | 86976.0 |
| 91.00 | 93019.0 |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

## Discharge Structures

## Discharge Structure \#1 is active as weir

## Structure Parameters

## Description: overflow from pond 11

Weir elevation, (ft datum): $\quad 89.8$
Weir coefficient: $\quad 3.13$
Weir length, (ft): $\quad 17$
Weir exponent: $\quad 1.5$
Tailwater-disabled, free discharge

Discharge Structure \#2 is inactive
Discharge Structure \#3 is inactive

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.

## Scenario Input Data

## Scenario 1 :: Pond 11100 Year / 24 Hour Routing

Hydrograph Type: Inline SCS

| Modflow Routing: | Routed with infiltration |
| :--- | :--- |
| Repetitions: | 1 |

Repetitions: ..... 1
Basin Area (acres) ..... 15.840
Time Of Concentration (minutes) ..... 10.0
DCIA (\%) ..... 0.0
Curve Number ..... 98
Design Rainfall Depth (inches) ..... 10.6
Design Rainfall Duration (hours) ..... 24.0
Shape Factor ..... UHG 484
Rainfall Distribution Orange County 100 Year - 24 Hour
Initial ground water level (ft datum) default, 60.00
Time After
Storm Event(days)7.000

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Summary of Results :: Scenario 1 :: Pond 11100 Year / 24 Hour Routing

|  | Time (hours) | Stage (ft datum) | $\begin{aligned} & \text { Rate } \\ & \left(\mathrm{ff}^{3} / \mathrm{s}\right) \end{aligned}$ | Volume (ft ${ }^{3}$ ) |
| :---: | :---: | :---: | :---: | :---: |
| Stage |  |  |  |  |
| Minimum | 0.000 | 60.00 |  |  |
| Maximum | 14.067 | 88.03 |  |  |
| Inflow |  |  |  |  |
| Rate - Maximum - Positive | 9.000 |  | 34.8374 |  |
| Rate - Maximum - Negative | None |  | None |  |
| Cumulative Volume - Maximum Positive | 24.467 |  |  | 595912.5 |
| Cumulative Volume - Maximum Negative | None |  |  | None |
| Cumulative Volume - End of Simulation | 360.578 |  |  | 595912.5 |
| Infiltration |  |  |  |  |
| Rate - Maximum - Positive | 14.067 |  | 4.3533 |  |
| Rate-Maximum - Negative | None |  | None |  |
| Cumulative Volume - Maximum Positive | 192.578 |  |  | 595912.5 |
| Cumulative Volume - Maximum Negative | None |  |  | None |
| Cumulative Volume - End of Simulation | 360.578 |  |  |  |
| Combined Discharge None |  |  |  |  |
| Rate - Maximum - Positive | None |  | None |  |
| Rate - Maximum - Negative | None |  | None |  |
| Cumulative Volume - Maximum Positive | None |  |  | None |
| Cumulative Volume - Maximum Negative | None |  |  | None |
| Cumulative Volume - End of Simulation | 360.578 |  |  | 0.0 |
| Discharge Structure 1 - simple weir None |  |  |  |  |
|  |  |  |  |  |
| Rate - Maximum - Negative | None |  | None |  |
| Cumulative Volume - Maximum Positive | None |  |  | None |
| Cumulative Volume - Maximum Negative | None |  |  | None |
| Cumulative Volume - End of Simulation | 360.578 |  |  | 0.0 |
| Discharge Structure 2 - inactive |  |  |  |  |
| Rate - Maximum - Positive | disabled |  | disabled |  |
| Rate - Maximum - Negative | disabled |  | disabled |  |
| Cumulative Volume - Maximum Positive | disabled |  |  |  |
| Cumulative Volume - Maximum Negative | disabled |  |  | disabled |
| Cumulative Volume - End of Simulation | disabled |  |  | disabled |
| Discharge Structure 3 - inactive disabled |  |  |  |  |
| Rate - Maximum - Positive | disabled |  | disabled |  |
| Rate - Maximum - Negative | disabled |  | disabled |  |
| Cumulative Volume - Maximum Positive | disabled |  |  |  |
| Cumulative Volume - Maximum Negative | disabled |  |  | disabled |
| Cumulative Volume - End of Simulation | disabled |  |  | disabled |
| Pollution Abatement: |  |  |  |  |
| 36 Hour Stage and Infiltration Volume | N.A. | N.A. |  | N.A. |
| 72 Hour Stage and Infiltration Volume | N.A. | N.A. |  | N.A. |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results :: Scenario 1 :: Pond 11100 Year/24 Hour Routing

| Elapsed Time (hours) | Infiow Rate ( $\mathrm{tt}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation ( H datum) | Infiltration Rate ( $\mathrm{ft}^{3 /} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{t}^{3 /} / \mathrm{s}$ ) | Cumulative inflow Volume ( $\mathrm{t}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 0.000 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | N.A. |
| 0.022 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.044 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.067 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.089 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.111 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.133 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.156 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.178 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.200 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.222 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.244 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.267 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.289 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.311 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.333 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.356 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.378 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.400 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.422 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.444 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.467 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.489 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.511 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.533 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.556 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.578 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.600 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.622 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.644 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.667 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.689 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.711 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.733 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.756 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.778 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.800 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.822 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.844 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.867 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.889 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.911 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.933 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.956 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.978 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.000 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.022 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.044 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.067 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.089 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.111 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.133 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.156 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.178 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.200 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.222 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.244 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.267 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.289 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.311 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.333 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.356 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.378 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.400 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.422 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.444 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.467 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.489 | 0.0000 | 0.0000 | 60.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.511 | 0.0000 | 0.0000 | 60.000 | 0.00001 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.533 | 0.0000 | 0.0000 | 60.000 | 0.00015 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.556 | 0.0005 | 0.0000 | 60.000 | 0.00081 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.578 | 0.0022 | 0.0000 | 60.000 | 0.00274 | 0.00000 | 0.1 | 0.1 | 0.0 | U |
| 1.600 | 0.0061 | 0.0000 | 60.000 | 0.00691 | 0.00000 | 0.5 | 0.5 | 0.0 | U |
| 1.622 | 0.0132 | 0.0000 | 60.000 | 0.01405 | 0.00000 | 1.2 | 1.2 | 0.0 | U |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 11100 Year / 24 Hour Routing

| Elapsed Time (hours) | !nflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overllow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{H}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1.644 | 0.0236 | 0.0000 | 60.000 | 0.02439 | 0.00000 | 2.7 | 2.7 | 0.0 | U |
| 1.667 | 0.0371 | 0.0000 | 60.000 | 0.03766 | 0.00000 | 5.1 | 5.1 | 0.0 | U |
| 1.689 | 0.0529 | 0.0000 | 60.000 | 0.05327 | 0.00000 | 8.7 | 8.7 | 0.0 | U |
| 1.711 | 0.0703 | 0.0000 | 60.001 | 0.07052 | 0.00000 | 13.7 | 13.7 | 0.0 | U |
| 1.733 | 0.0886 | 0.0000 | 60.001 | 0.08878 | 0.00000 | 20.0 | 20.0 | 0.0 | U |
| 1.756 | 0.1075 | 0.0000 | 60.002 | 0.10761 | 0.00000 | 27.9 | 27.9 | 0.0 | U |
| 1.778 | 0.1267 | 0.0000 | 60.002 | 0.12671 | 0.00000 | 37.2 | 37.2 | 0.0 | U |
| 1.800 | 0.1459 | 0.0000 | 60.003 | 0.14587 | 0.00000 | 48.1 | 48.1 | 0.0 | U |
| 1.822 | 0.1650 | 0.0000 | 60.003 | 0.16494 | 0.00000 | 60.6 | 60.6 | 0.0 | U |
| 1.844 | 0.1839 | 0.0000 | 60.004 | 0.18381 | 0.00000 | 74.5 | 74.5 | 0.0 | U |
| 1.867 | 0.2025 | 0.0000 | 60.005 | 0.20242 | 0.00000 | 90.0 | 90.0 | 0.0 | U |
| 1.889 | 0.2208 | 0.0000 | 60.006 | 0.22072 | 0.00000 | 106.9 | 106.9 | 0.0 | U |
| 1.911 | 0.2388 | 0.0000 | 60.007 | 0.23867 | 0.00000 | 125.3 | 125.3 | 0.0 | U |
| 1.933 | 0.2564 | 0.0000 | 60.008 | 0.25626 | 0.00000 | 145.1 | 145.1 | 0.0 | U |
| 1.956 | 0.2736 | 0.0000 | 60.009 | 0.27348 | 0.00000 | 166.3 | 166.3 | 0.0 | U |
| 1.978 | 0.2904 | 0.0000 | 60.010 | 0.29056 | 0.00000 | 188.9 | 188.9 | 0.0 | U |
| 2.000 | 0.3078 | 0.0000 | 60.011 | 0.30867 | 0.00000 | 212.8 | 212.8 | 0.0 | U |
| 2.022 | 0.3286 | 0.0000 | 60.013 | 0.33033 | 0.00000 | 238.3 | 238.3 | 0.0 | U |
| 2.044 | 0.3563 | 0.0000 | 60.014 | 0.35853 | 0.00000 | 265.6 | 265.6 | 0.0 | U |
| 2.067 | 0.3930 | 0.0000 | 60.016 | 0.39461 | 0.00000 | 295.6 | 295.6 | 0.0 | U |
| 2.089 | 0.4362 | 0.0000 | 60.018 | 0.43675 | 0.00000 | 328.8 | 328.8 | 0.0 | U |
| 2.111 | 0.4816 | 0.0000 | 60.020 | 0.48131 | 0.00000 | 365.5 | 365.5 | 0.0 | U |
| 2.133 | 0.5259 | 0.0000 | 60.022 | 0.52505 | 0.00000 | 405.8 | 405.8 | 0.0 | U |
| 2.156 | 0.5669 | 0.0000 | 60.024 | 0.56573 | 0.00000 | 449.5 | 449.5 | 0.0 | U |
| 2.178 | 0.6033 | 0.0000 | 60.027 | 0.60244 | 0.00000 | 496.3 | 496.3 | 0.0 | U |
| 2.200 | 0.6362 | 0.0000 | 60.029 | 0.63560 | 0.00000 | 545.9 | 545.9 | 0.0 | U |
| 2.222 | 0.6666 | 0.0000 | 60.032 | 0.66611 | 0.00000 | 598.0 | 598.0 | 0.0 | U |
| 2.244 | 0.6950 | 0.0000 | 60.035 | 0.69459 | 0.00000 | 652.5 | 652.5 | 0.0 | U |
| 2.267 | 0.7217 | 0.0000 | 60.038 | 0.72137 | 0.00000 | 709.1 | 709.1 | 0.0 | U |
| 2.289 | 0.7471 | 0.0000 | 60.041 | 0.74675 | 0.00000 | 767.9 | 767.9 | 0.0 | U |
| 2.311 | 0.7712 | 0.0000 | 60.045 | 0.77094 | 0.00000 | 828.6 | 828.6 | 0.0 | U |
| 2.333 | 0.7943 | 0.0000 | 60.048 | 0.79410 | 0.00000 | 891.2 | 891.2 | 0.0 | U |
| 2.356 | 0.8166 | 0.0000 | 60.051 | 0.81636 | 0.00000 | 955.7 | 955.7 | 0.0 | U |
| 2.378 | 0.8380 | 0.0000 | 60.055 | 0.83782 | 0.00000 | 1021.9 | 1021.9 | 0.0 | U |
| 2.400 | 0.8587 | 0.0000 | 60.059 | 0.85854 | 0.00000 | 1089.7 | 1089.7 | 0.0 | U |
| 2.422 | 0.8787 | 0.0000 | 60.062 | 0.87858 | 0.00000 | 1159.2 | 1159.2 | 0.0 | U |
| 2.444 | 0.8982 | 0.0000 | 60.066 | 0.89801 | 0.00000 | 1230.3 | 1230.3 | 0.0 | U |
| 2.467 | 0.9170 | 0.0000 | 60.070 | 0.91686 | 0.00000 | 1302.9 | 1302.9 | 0.0 | U |
| 2.489 | 0.9353 | 0.0000 | 60.074 | 0.93604 | 0.00000 | 1377.0 | 1377.0 | 0.0 | U |
| 2.511 | 0.9566 | 0.0000 | 60.078 | 0.95880 | 0.00000 | 1452.7 | 1452.7 | 0.0 | U |
| 2.533 | 0.9867 | 0.0000 | 60.082 | 0.99072 | 0.00000 | 1530.4 | 1530.4 | 0.0 | U |
| 2.556 | 1.0329 | 0.0000 | 60.087 | 1.03688 | 0.00000 | 1611.2 | 1611.2 | 0.0 | U |
| 2.578 | 1.0951 | 0.0000 | 60.091 | 1.09710 | 0.00000 | 1696.3 | 1696.3 | 0.0 | U |
| 2.600 | 1.1654 | 0.0000 | 60.096 | 1.16531 | 0.00000 | 1786.7 | 1786.7 | 0.0 | U |
| 2.622 | 1.2354 | 0.0000 | 60.101 | 1.23403 | 0.00000 | 1882.8 | 1882.8 | 0.0 | U |
| 2.644 | 1.2999 | 0.0000 | 60.107 | 1.29751 | 0.00000 | 1984.2 | 1984.2 | 0.0 | U |
| 2.667 | 1.3548 | 0.0000 | 60.112 | 1.35239 | 0.00000 | 2090.4 | 2090.4 | 0.0 | U |
| 2.689 | 1.4001 | 0.0000 | 60.118 | 1.39842 | 0.00000 | 2200.6 | 2200.6 | 0.0 | U |
| 2.711 | 1.4387 | 0.0000 | 60.124 | 1.43752 | 0.00000 | 2314.1 | 2314.1 | 0.0 | U |
| 2.733 | 1.4726 | 0.0000 | 60.131 | 1.47167 | 0.00000 | 2430.6 | 2430.6 | 0.0 | U |
| 2.756 | 1.5028 | 0.0000 | 60.137 | 1.50210 | 0.00000 | 2549.6 | 2549.6 | 0.0 | U |
| 2.778 | 1.5302 | 0.0000 | 60.144 | 1.52962 | 0.00000 | 2670.9 | 2670.9 | 0.0 | U |
| 2.800 | 1.5553 | 0.0000 | 60.150 | 1.55486 | 0.00000 | 2794.3 | 2794.3 | 0.0 | U |
| 2.822 | 1.5787 | 0.0000 | 60.157 | 1.57829 | 0.00000 | 2919.7 | 2919.7 | 0.0 | U |
| 2.844 | 1.6006 | 0.0000 | 60.164 | 1.60027 | 0.00000 | 3046.8 | 3046.8 | 0.0 | U |
| 2.867 | 1.6213 | 0.0000 | 60.171 | 1.62104 | 0.00000 | 3175.7 | 3175.7 | 0.0 | U |
| 2.889 | 1.6410 | 0.0000 | 60.178 | 1.64081 | 0.00000 | 3306.2 | 3306.2 | 0.0 | U |
| 2.911 | 1.6599 | 0.0000 | 60.185 | 1.65970 | 0.00000 | 3438.2 | 3438.2 | 0.0 | U |
| 2.933 | 1.6780 | 0.0000 | 60.192 | 1.67783 | 0.00000 | 3571.8 | 3571.8 | 0.0 | U |
| 2.956 | 1.6954 | 0.0000 | 60.199 | 1.69529 | 0.00000 | 3706.7 | 3706.7 | 0.0 | U |
| 2.978 | 1.7123 | 0.0000 | 60.207 | 1.71214 | 0.00000 | 3843.0 | 3843.0 | 0.0 | U |
| 3.000 | 1.7285 | 0.0000 | 60.214 | 1.72545 | 0.00000 | 3980.6 | 3980.6 | 0.0 | U/P |
| 3.022 | 1.7649 | 0.0000 | 80.000 | 1.73051 | 0.00000 | 4120.4 | 4119.1 | 0.0 | U/P |
| 3.044 | 1.8444 | 0.0000 | 80.000 | 1.73054 | 0.00000 | 4264.7 | 4257.5 | 0.0 | U/P |
| 3.067 | 1.9968 | 0.0000 | 80.001 | 1.73065 | 0.00000 | 4418.4 | 4396.0 | 0.0 | U/P |
| 3.089 | 2.2070 | 0.0000 | 80.002 | 1.73089 | 0.00000 | 4586.5 | 4534.4 | 0.0 0.0 | U/P U/P |
| 3.711 | 2.4346 | 0.0000 | 80.003 | 1.73129 | 0.00000 | 4772.2 | 4672.9 | 0.0 | U/P |
| 3.133 | 2.6508 | 0.0000 | 80.005 | 1.73188 | 0.00000 | 4975.6 | 4811.4 | 0.0 | U/P |
| 3.156 | 2.8387 | 0.0000 | 80.008 | 1.73265 | 0.00000 | 5195.2 | 4950.0 5088.6 | 0.0 0.0 | U/P |
| 3.178 | 2.9831 | 0.0000 | 80.011 | 1.73357 | 0.00000 | 5428.1 | 5088.6 5227.4 | 0.0 0.0 | U/P |
| 3.200 | 3.0934 | 0.0000 | 80.015 | 1.73461 | 0.00000 | 5671.1 | 5227.4 | 0.0 | U/P |
| 3.222 | 3.1812 | 0.0000 | 80.019 | 1.73575 | 0.00000 | 5922.1 | 5366.2 | 0.0 | U/P |
| 3.244 | 3.2538 | 0.0000 | 80.023 | 1.73695 | 0.00000 | 6179.5 | 5505.1 | 0.0 | U/P |
| 3.267 | 3.3135 | 0.0000 | 80.027 | 1.73822 | 0.00000 | 6442.2 | 5644.1 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.)
:: Scenario 1 :: Pond 11100 Year / 24 Hour Routing

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (IV/day) | Stage Elevation (ft datum) | Infiltration Rate (ftys) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 3.289 | 3.3643 | 0.0000 | 80.031 | 1.73954 | 0.00000 | 6709.3 | 5783.2 | 0.0 | U/P |
| 3.311 | 3.4081 | 0.0000 | 80.035 | 1.74090 | 0.00000 | 6980.2 | 5922.4 | 0.0 | U/P |
| 3.333 | 3.4465 | 0.0000 | 80.040 | 1.74229 | 0.00000 | 7254.4 | 6061.8 | 0.0 | U/P |
| 3.356 | 3.4809 | 0.0000 | 80.044 | 1.74371 | 0.00000 | 7531.5 | 6201.2 | 0.0 | U/P |
| 3.378 | 3.5121 | 0.0000 | 80.049 | 1.74516 | 0.00000 | 7811.2 | 6340.7 | 0.0 | U/P |
| 3.400 | 3.5408 | 0.0000 | 80.054 | 1.74663 | 0.00000 | 8093.3 | 6480.4 | 0.0 | U/P |
| 3.422 | 3.5673 | 0.0000 | 80.058 | 1.74813 | 0.00000 | 8377.7 | 6620.2 | 0.0 | U/P |
| 3.444 | 3.5922 | 0.0000 | 80.063 | 1.74964 | 0.00000 | 8664.0 | 6760.1 | 0.0 | U/P |
| 3.467 | 3.6157 | 0.0000 | 80.068 | 1.75117 | 0.00000 | 8952.4 | 6900.2 | 0.0 | U/P |
| 3.489 | 3.6379 | 0.0000 | 80.073 | 1.75272 | 0.00000 | 9242.5 | 7040.3 | 0.0 | U/P |
| 3.511 | 3.6615 | 0.0000 | 80.078 | 1.75429 | 0.00000 | 9534.5 | 7180.6 | 0.0 | U/P |
| 3.533 | 3.6949 | 0.0000 | 80.083 | 1.75587 | 0.00000 | 9828.7 | 7321.0 | 0.0 | U/P |
| 3.556 | 3.7479 | 0.0000 | 80.088 | 1.75748 | 0.00000 | 10126.5 | 7461.5 | 0.0 | U/P |
| 3.578 | 3.8268 | 0.0000 | 80.094 | 1.75913 | 0.00000 | 10429.4 | 7602.2 | 0.0 | U/P |
| 3.600 | 3.9223 | 0.0000 | 80.099 | 1.76085 | 0.00000 | 10739.4 | 7743.0 | 0.0 | U/P |
| 3.622 | 4.0198 | 0.0000 | 80.105 | 1.76263 | 0.00000 | 11057.1 | 7883.9 | 0.0 | U/P |
| 3.644 | 4.1096 | 0.0000 | 80.111 | 1.76450 | 0.00000 | 11382.3 | 8025.0 | 0.0 | U/P |
| 3.667 | 4.1853 | 0.0000 | 80.117 | 1.76643 | 0.00000 | 11714.1 | 8166.2 | 0.0 | U/P |
| 3.689 | 4.2443 | 0.0000 | 80.124 | 1.76841 | 0.00000 | 12051.2 | 8307.6 | 0.0 | U/P |
| 3.711 | 4.2908 | 0.0000 | 80.130 | 1.77045 | 0.00000 | 12392.7 | 8449.2 | 0.0 | U/P |
| 3.733 | 4.3289 | 0.0000 | 80.137 | 1.77252 | 0.00000 | 12737.4 | 8590.9 | 0.0 | U/P |
| 3.756 | 4.3609 | 0.0000 | 80.144 | 1.77461 | 0.00000 | 13085.0 | 8732.8 | 0.0 | U/P |
| 3.778 | 4.3882 | 0.0000 | 80.150 | 1.77673 | 0.00000 | 13435.0 | 8874.8 | 0.0 | U/P |
| 3.800 | 4.4119 | 0.0000 | 80.157 | 1.77887 | 0.00000 | 13787.0 | 9017.1 | 0.0 | U/P |
| 3.822 | 4.4329 | 0.0000 | 80.164 | 1.78102 | 0.00000 | 14140.8 | 9159.5 | 0.0 | U/P |
| 3.844 | 4.4518 | 0.0000 | 80.171 | 1.78319 | 0.00000 | 14496.2 | 9302.0 | 0.0 | U/P |
| 3.867 | 4.4691 | 0.0000 | 80.178 | 1.78537 | 0.00000 | 14853.0 | 9444.8 | 0.0 | U/P |
| 3.889 | 4.4852 | 0.0000 | 80.185 | 1.78755 | 0.00000 | 15211.2 | 9587.7 | 0.0 | U/P |
| 3.911 | 4.5001 | 0.0000 | 80.192 | 1.78975 | 0.00000 | 15570.6 | 9730.8 | 0.0 | U/P |
| 3.933 | 4.5142 | 0.0000 | 80.199 | 1.79195 | 0.00000 | 15931.2 | 9874.1 | 0.0 | U/P |
| 3.956 | 4.5276 | 0.0000 | 80.206 | 1.79416 | 0.00000 | 16292.8 | 10017.5 | 0.0 | U/P |
| 3.978 | 4.5403 | 0.0000 | 80.213 | 1.79638 | 0.00000 | 16655.6 | 10161.1 | 0.0 | U/P |
| 4.000 | 4.5525 | 0.0000 | 80.220 | 1.79860 | 0.00000 | 17019.3 | 10304.9 | 0.0 | U/P |
| 4.022 | 4.5808 | 0.0000 | 80.227 | 1.80083 | 0.00000 | 17384.6 | 10448.9 | 0.0 | U/P |
| 4.044 | 4.6529 | 0.0000 | 80.234 | 1.80308 | 0.00000 | 17754.0 | 10593.1 | 0.0 | U/P |
| 4.067 | 4.8029 | 0.0000 | 80.242 | 1.80540 | 0.00000 | 18132.2 | 10737.4 | 0.0 | U/P |
| 4.089 | 5.0309 | 0.0000 | 80.250 | 1.80783 | 0.00000 | 18525.5 | 10881.9 | 0.0 | U/P |
| 4.111 | 5.2965 | 0.0000 | 80.259 | 1.81043 | 0.00000 | 18938.6 | 11026.6 | 0.0 | U/P |
| 4.133 | 5.5578 | 0.0000 | 80.268 | 1.81323 | 0.00000 | 19372.8 | 11171.6 | 0.0 | U/P |
| 4.156 | 5.7882 | 0.0000 | 80.278 | 1.81623 | 0.00000 | 19826.7 | 11316.8 | 0.0 | U/P |
| 4.178 | 5.9684 | 0.0000 | 80.288 | 1.81940 | 0.00000 | 20286.9 | 11462.2 | 0.0 | U/P |
| 4.200 | 6.0999 | 0.0000 | 80.299 | 1.82270 | 0.00000 | 20779.7 | 11607.9 | 0.0 | U/P |
| 4.222 | 6.1971 | 0.0000 | 80.310 | 1.82611 | 0.00000 | 21271.5 | 11753.8 | 0.0 | U/P |
| 4.244 | 6.2717 | 0.0000 | 80.321 | 1.82959 | 0.00000 | 21770.3 | 11900.0 | 0.0 | U/P |
| 4.267 | 6.3292 | 0.0000 | 80.332 | 1.83311 | 0.00000 | 22274.3 | 12046.5 | 0.0 | U/P |
| 4.289 | 6.3741 | 0.0000 | 80.343 | 1.83668 | 0.00000 | 22782.5 | 12193.3 | 0.0 | U/P |
| 4.311 | 6.4099 | 0.0000 | 80.355 | 1.84027 | 0.00000 | 23293.8 | 12340.4 | 0.0 | U/P |
| 4.333 | 6.4388 | 0.0000 | 80.366 | 1.84388 | 0.00000 | 23807.8 | 12487.8 | 0.0 | U/P |
| 4.356 | 6.4628 | 0.0000 | 80.378 | 1.84750 | 0.00000 | 24323.8 | 12635.4 | 0.0 | U/P |
| 4.378 | 6.4832 | 0.0000 | 80.389 | 1.85113 | 0.00000 | 24841.7 | 12783.4 | 0.0 | U/P |
| 4.400 | 6.5007 | 0.0000 | 80.401 | 1.85477 | 0.00000 | 25361.0 | 12931.6 | 0.0 | U/P |
| 4.422 | 6.5162 | 0.0000 | 80.413 | 1.85841 | 0.00000 | 25881.7 | 13080.1 | 0.0 | U/P |
| 4.444 | 6.5301 | 0.0000 | 80.424 | 1.86206 | 0.00000 | 26403.6 | 13229.0 | 0.0 | U/P |
| 4.467 | 6.5428 | 0.0000 | 80.436 | 1.86570 | 0.00000 | 26926.5 | 13378.1 | 0.0 | U/P |
| 4.489 | 6.5545 | 0.0000 | 80.447 | 1.86935 | 0.00000 | 27450.4 | 13527.5 | 0.0 | U/P |
| 4.511 | 6.5654 | 0.0000 | 80.459 | 1.87299 | 0.00000 | 27975.2 | 13677.2 | 0.0 | U/P |
| 4.533 | 6.5801 | 0.0000 | 80.471 | 1.87664 | 0.00000 | 28501.0 | 13827.2 | 0.0 | U/P |
| 4.556 | 6.6043 | 0.0000 | 80.482 | 1.88028 | 0.00000 | 29028.4 | 13977.4 | 0.0 | U/P |
| 4.578 | 6.6451 | 0.0000 | 80.494 | 1.88394 | 0.00000 | 29558.3 | 14128.0 | 0.0 | U/P |
| 4.600 | 6.6993 | 0.0000 | 80.506 | 1.88762 | 0.00000 | 30092.1 | 14278.9 | 0.0 | U/P |
| 4.622 | 6.7572 | 0.0000 | 80.517 | 1.89132 | 0.00000 | 30630.4 | 14430.0 | 0.0 | U/P |
| 4.644 | 6.8117 | 0.0000 | 80.529 | 1.89506 | 0.00000 | 31173.1 | 14581.5 | 0.0 | U/P |
| 4.667 | 6.8588 | 0.0000 | 80.541 | 1.89884 | 0.00000 | 31719.9 | 14733.2 | 0.0 | U/P |
| 4.689 | 6.8949 | 0.0000 | 80.554 | 1.90263 | 0.00000 | 32270.1 | 14885.3 | 0.0 | U/P |
| 4.711 | 6.9223 | 0.0000 | 80.566 | 1.90645 | 0.00000 | 32822.8 | 15037.6 | 0.0 | U/P |
| 4.733 | 6.9438 | 0.0000 | 80.578 | 1.91027 | 0.00000 | 33377.4 | 15190.3 | 0.0 | U/P |
| 4.756 | 6.9615 | 0.0000 | 80.590 | 1.91410 | 0.00000 | 33933.6 | 15343.3 | 0.0 | U/P |
| 4.778 | 6.9760 | 0.0000 | 80.602 | 1.91794 | 0.00000 | 34491.1 | 15496.6 | 0.0 | U/P |
| 4.800 | 6.9882 | 0.0000 | 80.614 | 1.92177 | 0.00000 | 35049.7 | 15650.2 | 0.0 | U/P |
| 4.822 | 6.9987 | 0.0000 | 80.627 | 1.92560 | 0.00000 | 35609.2 | 15804.1 | 0.0 | U/P |
| 4.844 | 7.0079 | 0.0000 | 80.639 | 1.92943 | 0.00000 | 36169.4 | 15958.3 | 0.0 | U/P |
| 4.867 | 7.0162 | 0.0000 | 80.651 | 1.93326 | 0.00000 | 36730.4 | 16112.8 | 0.0 | U/P |
| 4.889 | 7.0237 | 0.0000 | 80.663 | 1.93708 | 0.00000 | 37292.0 | 16267.6 | 0.0 | U/P |
| 4.911 | 7.0306 | 0.0000 | 80.675 | 1.94090 | 0.00000 | 37854.2 | 16422.7 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 11100 Year/24 Hour Routing

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (f/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 /} / \mathrm{s}$ ) | Overfiow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume (fil$)$ | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4.933 | 7.0371 | 0.0000 | 80.687 | 1.94472 | 0.00000 | 38416.9 | 16578.1 | 0.0 | U/P |
| 4.956 | 7.0432 | 0.0000 | 80.699 | 1.94852 | 0.00000 | 38980.1 | 16733.9 | 0.0 | U/P |
| 4.978 | 7.0490 | 0.0000 | 80.712 | 1.95233 | 0.00000 | 39543.8 | 16889.9 | 0.0 | U/P |
| 5.000 | 7.0561 | 0.0000 | 80.724 | 1.95612 | 0.00000 | 40108.0 | 17046.2 | 0.0 | U/P |
| 5.022 | 7.0686 | 0.0000 | 80.736 | 1.95992 | 0.00000 | 40673.0 | 17202.9 | 0.0 | U/P |
| 5.044 | 7.0917 | 0.0000 | 80.748 | 1.96371 | 0.00000 | 41239.4 | 17359.8 | 0.0 | U/P |
| 5.067 | 7.1279 | 0.0000 | 80.760 | 1.96751 | 0.00000 | 41808.2 | 17517.1 | 0.0 | U/P |
| 5.089 | 7.1722 | 0.0000 | 80.772 | 1.97132 | 0.00000 | 42380.2 | 17674.6 | 0.0 | U/P |
| 5.111 | 7.2172 | 0.0000 | 80.784 | 1.97516 | 0.00000 | 42955.7 | 17832.5 | 0.0 | U/P |
| 5.133 | 7.2581 | 0.0000 | 80.797 | 1.97902 | 0.00000 | 43534.8 | 17990.6 | 0.0 | U/P |
| 5.156 | 7.2916 | 0.0000 | 80.809 | 1.98290 | 0.00000 | 44116.7 | 18149.1 | 0.0 | U/P |
| 5.178 | 7.3167 | 0.0000 | 80.821 | 1.98679 | 0.00000 | 44701.1 | 18307.9 | 0.0 | U/P |
| 5.200 | 7.3355 | 0.0000 | 80.834 | 1.99069 | 0.00000 | 45287.2 | 18467.0 | 0.0 | U/P |
| 5.222 | 7.3502 | 0.0000 | 80.846 | 1.99459 | 0.00000 | 45874.6 | 18626.4 | 0.0 | U/P |
| 5.244 | 7.3620 | 0.0000 | 80.859 | 1.99850 | 0.00000 | 46463.1 | 18786.1 | 0.0 | U/P |
| 5.267 | 7.3715 | 0.0000 | 80.871 | 2.00240 | 0.00000 | 47052.4 | 18946.2 | 0.0 | U/P |
| 5.289 | 7.3794 | 0.0000 | 80.883 | 2.00630 | 0.00000 | 47642.5 | 19106.5 | 0.0 | U/P |
| 5.311 | 7.3861 | 0.0000 | 80.896 | 2.01019 | 0.00000 | 48233.1 | 19267.2 | 0.0 | U/P |
| 5.333 | 7.3919 | 0.0000 | 80.908 | 2.01408 | 0.00000 | 48824.2 | 19428.2 | 0.0 | U/P |
| 5.356 | 7.3970 | 0.0000 | 80.920 | 2.01796 | 0.00000 | 49415.8 | 19589.4 | 0.0 | U/P |
| 5.378 | 7.4016 | 0.0000 | 80.933 | 2.02184 | 0.00000 | 50007.7 | 19751.0 | 0.0 | U/P |
| 5.400 | 7.4059 | 0.0000 | 80.945 | 2.02571 | 0.00000 | 50600.0 | 19912.9 | 0.0 | U/P |
| 5.422 | 7.4098 | 0.0000 | 80.957 | 2.02957 | 0.00000 | 51192.6 | 20075.1 | 0.0 | U/P |
| 5.444 | 7.4135 | 0.0000 | 80.970 | 2.03343 | 0.00000 | 51785.6 | 20237.7 | 0.0 | U/P |
| 5.467 | 7.4170 | 0.0000 | 80.982 | 2.03727 | 0.00000 | 52378.8 | 20400.5 | 0.0 | U/P |
| 5.489 | 7.4204 | 0.0000 | 80.994 | 2.04111 | 0.00000 | 52972.3 | 20563.6 | 0.0 | U/P |
| 5.511 | 7.4236 | 0.0000 | 81.006 | 2.04496 | 0.00000 | 53566.0 | 20727.1 | 0.0 | U/P |
| 5.533 | 7.4266 | 0.0000 | 81.018 | 2.04881 | 0.00000 | 54160.0 | 20890.8 | 0.0 | U/P |
| 5.556 | 7.4295 | 0.0000 | 81.030 | 2.05267 | 0.00000 | 54754.3 | 21054.9 | 0.0 | U/P |
| 5.578 | 7.4323 | 0.0000 | 81.043 | 2.05653 | 0.00000 | 55348.8 | 21219.2 | 0.0 | U/P |
| 5.600 | 7.4350 | 0.0000 | 81.055 | 2.06037 | 0.00000 | 55943.4 | 21383.9 | 0.0 | U/P |
| 5.622 | 7.4377 | 0.0000 | 81.067 | 2.06421 | 0.00000 | 56538.3 | 21548.9 | 0.0 | U/P |
| 5.644 | 7.4403 | 0.0000 | 81.079 | 2.06803 | 0.00000 | 57133.5 | 21714.2 | 0.0 | U/P |
| 5.667 | 7.4428 | 0.0000 | 81.091 | 2.07185 | 0.00000 | 57728.8 | 21879.8 | 0.0 | U/P |
| 5.689 | 7.4453 | 0.0000 | 81.103 | 2.07567 | 0.00000 | 58324.3 | 22045.7 | 0.0 | U/P |
| 5.711 | 7.4478 | 0.0000 | 81.115 | 2.07947 | 0.00000 | 58920.0 | 22211.9 | 0.0 | U/P |
| 5.733 | 7.4502 | 0.0000 | 81.127 | 2.08327 | 0.00000 | 59516.0 | 22378.4 | 0.0 | U/P |
| 5.756 | 7.4525 | 0.0000 | 81.139 | 2.08706 | 0.00000 | 60112.1 | 22545.2 | 0.0 | U/P |
| 5.778 | 7.4548 | 0.0000 | 81.150 | 2.09084 | 0.00000 | 60708.4 | 22712.3 | 0.0 | U/P |
| 5.800 | 7.4571 | 0.0000 | 81.162 | 2.09461 | 0.00000 | 61304.8 | 22879.7 | 0.0 | U/P |
| 5.822 | 7.4593 | 0.0000 | 81.174 | 2.09837 | 0.00000 | 61901.5 | 23047.5 | 0.0 | U/P |
| 5.844 | 7.4614 | 0.0000 | 81.186 | 2.10213 | 0.00000 | 62498.3 | 23215.5 | 0.0 | U/P |
| 5.867 | 7.4635 | 0.0000 | 81.198 | 2.10588 | 0.00000 | 63095.3 | 23383.8 | 0.0 | U/P |
| 5.889 | 7.4656 | 0.0000 | 81.209 | 2.10962 | 0.00000 | 63692.5 | 23552.4 | 0.0 | U/P |
| 5.911 | 7.4676 | 0.0000 | 81.221 | 2.11336 | 0.00000 | 64289.8 | 23721.3 | 0.0 | U/P |
| 5.933 | 7.4696 | 0.0000 | 81.233 | 2.11708 | 0.00000 | 64887.3 | 23890.6 | 0.0 | U/P |
| 5.956 | 7.4716 | 0.0000 | 81.245 | 2.12080 | 0.00000 | 65484.9 | 24060.1 | 0.0 | U/P |
| 5.978 | 7.4735 | 0.0000 | 81.256 | 2.12451 | 0.00000 | 66082.7 | 24229.9 | 0.0 | U/P |
| 6.000 | 7.4753 | 0.0000 | 81.268 | 2.12821 | 0.00000 | 66680.7 | 24400.0 | 0.0 | U/P |
| 6.022 | 7.5988 | 0.0000 | 81.280 | 2.13193 | 0.00000 | 67283.7 | 24570.4 | 0.0 | U/P |
| 6.044 | 7.9777 | 0.0000 | 81.292 | 2.13574 | 0.00000 | 67906.7 | 24741.7 | 0.0 | U/P |
| 6.067 | 8.7825 | 0.0000 | 81.305 | 2.13984 | 0.00000 | 68577.1 | 24912.1 | 0.0 | U/P |
| 6.089 | 9.9163 | 0.0000 | 81.321 | 2.14446 | 0.00000 | 69325.1 | 25083.5 | 0.0 | U/P |
| 6.111 | 11.1358 | 0.0000 | 81.339 | 2.14980 | 0.00000 | 70167.2 | 25255.2 | 0.0 | U/P |
| 6.133 | 12.2708 | 0.0000 | 81.359 | 2.15593 | 0.00000 | 71103.4 | 25427.5 | 0.0 | U/P |
| 6.156 | 13.2240 | 0.0000 | 81.382 | 2.16279 | 0.00000 | 72123.2 | 25600.2 | 0.0 | U/P |
| 6.178 | 13.9101 | 0.0000 | 81.406 | 2.17026 | 0.00000 | 73208.6 | 25773.5 | 0.0 | U/P |
| 6.200 | 14.3896 | 0.0000 | 81.432 | 2.17818 | 0.00000 | 74340.6 | 25947.4 | 0.0 | U/P |
| 6.222 | 14.7354 | 0.0000 | 81.458 | 2.18639 | 0.00000 | 75505.6 | 26122.0 | 0.0 | U/P |
| 6.244 | 14.9925 | 0.0000 | 81.485 | 2.19481 | 0.00000 | 76694.7 | 26297.3 | 0.0 | U/P |
| 6.267 | 15.1766 | 0.0000 | 81.512 | 2.20336 | 0.00000 | 77901.5 | 26473.2 | 0.0 | U/P |
| 6.289 | 15.3119 | 0.0000 | 81.539 | 2.21200 | 0.00000 | 79121.0 | 26649.8 | 0.0 | U/P |
| 6.311 | 15.4106 | 0.0000 | 81.567 | 2.22070 | 0.00000 | 80349.9 | 26827.1 | 0.0 | U/P |
| 6.333 | 15.4825 | 0.0000 | 81.594 | 2.22942 | 0.00000 | 81585.6 | 27005.1 | 0.0 | U/P |
| 6.356 | 15.5359 | 0.0000 | 81.622 | 2.23815 | 0.00000 | 82826.3 | 27183.8 | 0.0 | U/P |
| 6.378 | 15.5759 | 0.0000 | 81.649 | 2.24687 | 0.00000 | 84070.8 | 27363.2 | 0.0 | U/P |
| 6.400 | 15.6059 | 0.0000 | 81.676 | 2.25559 | 0.00000 | 85318.1 | 27543.3 | 0.0 | U/P |
| 6.422 | 15.6286 | 0.0000 | 81.704 | 2.26428 | 0.00000 | 86567.5 | 27724.1 | 0.0 | U/P |
| 6.444 | 15.6462 | 0.0000 | 81.731 | 2.27295 | 0.00000 | 87818.5 | 27905.6 | 0.0 0.0 | U/P |
| 6.467 | 15.6608 | 0.0000 | 81.758 | 2.28160 | 0.00000 | 89070.7 | 28087.8 | 0.0 | U/P |
| 6.489 | 15.6723 | 0.0000 | 81.785 | 2.29021 | 0.00000 | 90324.1 | 28270.6 | 0.0 0.0 | U/P |
| 6.511 | 15.6900 | 0.0000 | 81.812 | 2.29880 | 0.00000 | 91578.5 92835.9 | 28454.2 | 0.0 0.0 | U/P |
| 6.533 | 15.7434 | 0.0000 | 81.839 | 2.30736 | 0.00000 | 92835.9 | 28638.5 | 0.0 | U/P |
| 6.556 | 15.8663 | 0.0000 | 81.866 | 2.31593 | 0.00000 | 94100.3 | 28823.4 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 11100 Year / 24 Hour Routing

| Elapsed Time (hours) | \{nflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate (ft3/s) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Infiow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume $\left(\mathrm{ft}^{3}\right)$ | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 6.578 | 16.0808 | 0.0000 | 81.893 | 2.32454 | 0.00000 | 95378.2 | 29009.0 | 0.0 | U/P |
| 6.600 | 16.3534 | 0.0000 | 81.921 | 2.33324 | 0.00000 | 96675.5 | 29195.3 | 0.0 | U/P |
| 6.622 | 16.6332 | 0.0000 | 81.949 | 2.34207 | 0.00000 | 97995.0 | 29382.3 | 0.0 | U/P |
| 6.644 | 16.8859 | 0.0000 | 81.977 | 2.35103 | 0.00000 | 99335.7 | 29570.0 | 0.0 | U/P |
| 6.667 | 17.0899 | 0.0000 | 82.006 | 2.36011 | 0.00000 | 100694.8 | 29758.5 | 0.0 | U/P |
| 6.689 | 17.2363 | 0.0000 | 82.035 | 2.36934 | 0.00000 | 102067.8 | 29947.7 | 0.0 | U/P |
| 6.711 | 17.3399 | 0.0000 | 82.064 | 2.37865 | 0.00000 | 103450.9 | 30137.6 | 0.0 | U/P |
| 6.733 | 17.4158 | 0.0000 | 82.093 | 2.38799 | 0.00000 | 104841.1 | 30328.2 | 0.0 | U/P |
| 6.756 | 17.4721 | 0.0000 | 82.122 | 2.39733 | 0.00000 | 106236.6 | 30519.7 | 0.0 | U/P |
| 6.778 | 17.5132 | 0.0000 | 82.151 | 2.40667 | 0.00000 | 107636.0 | 30711.8 | 0.0 | U/P |
| 6.800 | 17.5439 | 0.0000 | 82.180 | 2.41599 | 0.00000 | 109038.3 | 30904.7 | 0.0 | U/P |
| 6.822 | 17.5666 | 0.0000 | 82.209 | 2.42529 | 0.00000 | 110442.7 | 31098.4 | 0.0 | U/P |
| 6.844 | 17.5837 | 0.0000 | 82.238 | 2.43457 | 0.00000 | 111848.8 | 31292.8 | 0.0 | U/P |
| 6.867 | 17.5969 | 0.0000 | 82.266 | 2.44381 | 0.00000 | 113256.0 | 31487.9 | 0.0 | U/P |
| 6.889 | \$7.6071 | 0.0000 | 82.295 | 2.45302 | 0.00000 | 114664.1 | 31683.8 | 0.0 | U/P |
| 6.911 | 17.6151 | 0.0000 | 82.323 | 2.46220 | 0.00000 | 116073.0 | 31880.4 | 0.0 | U/P |
| 6.933 | 17.6216 | 0.0000 | 82.352 | 2.47134 | 0.00000 | 117482.5 | 32077.7 | 0.0 | U/P |
| 6.956 | 17.6270 | 0.0000 | 82.380 | 2.48044 | 0.00000 | 118892.4 | 32275.8 | 0.0 | U/P |
| 6.978 | 17.6317 | 0.0000 | 82.408 | 2.48952 | 0.00000 | 120302.8 | 32474.6 | 0.0 | U/P |
| 7.000 | 17.6356 | 0.0000 | 82.436 | 2.49855 | 0.00000 | 121713.5 | 32674.1 | 0.0 | U/P |
| 7.022 | 17.6872 | 0.0000 | 82.464 | 2.50756 | 0.00000 | 123126.4 | 32874.4 | 0.0 | U/P |
| 7.044 | 17.8671 | 0.0000 | 82.492 | 2.51657 | 0.00000 | 124548.6 | 33075.3 | 0.0 | U/P |
| 7.067 | 18.2732 | 0.0000 | 82.521 | 2.52567 | 0.00000 | 125994.2 | 33277.0 | 0.0 | U/P |
| 7.089 | 18.9052 | 0.0000 | 82.550 | 2.53496 | 0.00000 | 127481.3 | 33479.4 | 0.0 | U/P |
| 7.111 | 19.6447 | 0.0000 | 82.581 | 2.54457 | 0.00000 | 129023.3 | 33682.6 | 0.0 | U/P |
| 7.133 | 20.3695 | 0.0000 | 82.612 | 2.55455 | 0.00000 | 130623.9 | 33886.6 | 0.0 | U/P |
| 7.156 | 21.0027 | 0.0000 | 82.645 | 2.56489 | 0.00000 | 132278.8 | 34091.3 | 0.0 | U/P |
| 7.178 | 21.4887 | 0.0000 | 82.678 | 2.57555 | 0.00000 | 133978.4 | 34297.0 | 0.0 | U/P |
| 7.200 | 21.8326 | 0.0000 | 82.713 | 2.58643 | 0.00000 | 135711.3 | 34503.4 | 0.0 | U/P |
| 7.222 | 22.0769 | 0.0000 | 82.747 | 2.59747 | 0.00000 | 137467.7 | 34710.8 | 0.0 | U/P |
| 7.244 | 22.2560 | 0.0000 | 82.782 | 2.60860 | 0.00000 | 139241.0 | 34919.0 | 0.0 | U/P |
| 7.267 | 22.3860 | 0.0000 | 82.817 | 2.61978 | 0.00000 | 141026.6 | 35128.2 | 0.0 | U/P |
| 7.289 | 22.4803 | 0.0000 | 82.852 | 2.63098 | 0.00000 | 142821.3 | 35338.2 | 0.0 | U/P |
| 7.311 | 22.5492 | 0.0000 | 82.886 | 2.64218 | 0.00000 | 144622.5 | 35549.1 | 0.0 | U/P |
| 7.333 | 22.5992 | 0.0000 | 82.921 | 2.65336 | 0.00000 | 146428.4 | 35760.9 | 0.0 | U/P |
| 7.356 | 22.6358 | 0.0000 | 82.956 | 2.66453 | 0.00000 | 148237.8 | 35973.7 | 0.0 | U/P |
| 7.378 | 22.6630 | 0.0000 | 82.990 | 2.67566 | 0.00000 | 150049.8 | 36187.3 | 0.0 | U/P |
| 7.400 | 22.6833 | 0.0000 | 83.025 | 2.68680 | 0.00000 | 151863.6 | 36401.8 | 0.0 | U/P |
| 7.422 | 22.6984 | 0.0000 | 83.059 | 2.69795 | 0.00000 | 153678.9 | 36617.1 | 0.0 | U/P |
| 7.444 | 22.7099 | 0.0000 | 83.093 | 2.70908 | 0.00000 | 155495.2 | 36833.4 | 0.0 | U/P |
| 7.467 | 22.7190 | 0.0000 | 83.127 | 2.72017 | 0.00000 | 157312.4 | 37050.6 | 0.0 | U/P |
| 7.489 | 22.7263 | 0.0000 | 83.161 | 2.73121 | 0.00000 | 159130.2 | 37268.7 | 0.0 | U/P |
| 7.511 | 22.7318 | 0.0000 | 83.195 | 2.74220 | 0.00000 | 160948.5 | 37487.6 | 0.0 | U/P |
| 7.533 | 22.8237 | 0.0000 | 83.229 | 2.75316 | 0.00000 | 162770.7 | 37707.4 | 0.0 | U/P |
| 7.556 | 23.1025 | 0.0000 | 83.263 | 2.76413 | 0.00000 | 164607.8 | 37928.1 | 0.0 | U/P |
| 7.578 | 23.6963 | 0.0000 | 83.297 | 2.77522 | 0.00000 | 166479.7 | 38149.7 | 0.0 | U/P |
| 7.600 | 24.5406 | 0.0000 | 83.332 | 2.78658 | 0.00000 | 168409.2 | 38372.1 | 0.0 | U/P |
| 7.622 | 25.4564 | 0.0000 | 83.369 | 2.79831 | 0.00000 | 170409.1 | 38595.5 | 0.0 | U/P |
| 7.644 | 26.3133 | 0.0000 | 83.407 | 2.81046 | 0.00000 | 172479.9 | 38819.9 | 0.0 | U/P |
| 7.667 | 27.0357 | 0.0000 | 83.446 | 2.82299 | 0.00000 | 174613.8 | 39045.2 | 0.0 | U/P |
| 7.689 | 27.5591 | 0.0000 | 83.486 | 2.83584 | 0.00000 | 176797.6 | 39271.5 | 0.0 | U/P |
| 7.711 | 27.9248 | 0.0000 | 83.527 | 2.84891 | 0.00000 | 179017.0 | 39498.9 | 0.0 | U/P |
| 7.733 | 28.1875 | 0.0000 | 83.567 | 2.86211 | 0.00000 | 181261.5 | 39727.4 | 0.0 | U/P |
| 7.756 | 28.3820 | 0.0000 | 83.608 | 2.87538 | 0.00000 | 183524.3 | 39956.9 | 0.0 | U/P |
| 7.778 | 28.5209 | 0.0000 | 83.649 | 2.88869 | 0.00000 | 185800.4 | 40187.4 | 0.0 | U/P |
| 7.800 | 28.6224 | 0.0000 | 83.690 | 2.90200 | 0.00000 | 188086.1 | 40419.1 | 0.0 | U/P |
| 7.822 | 28.6960 | 0.0000 | 83.731 | 2.91531 | 0.00000 | 190378.8 | 40651.8 | 0.0 | U/P |
| 7.844 | 28.7490 | 0.0000 | 83.772 | 2.92858 | 0.00000 | 192676.6 | 40885.5 | 0.0 | U/P |
| 7.867 | 28.7881 | 0.0000 | 83.813 | 2.94181 | 0.00000 | 194978.1 | 41120.3 | 0.0 | U/P |
| 7.889 | 28.8168 | 0.0000 | 83.853 | 2.95500 | 0.00000 | 197282.3 | 41356.2 | 0.0 | U/P |
| 7.911 | 28.8381 | 0.0000 | 83.893 | 2.96814 | 0.00000 | 199588.5 | 41593.1 | 0.0 | U/P |
| 7.933 | 28.8537 | 0.0000 | 83.934 | 2.98123 | 0.00000 | 201896.2 | 41831.1 | 0.0 | U/P |
| 7.956 | 28.8655 | 0.0000 | 83.974 | 2.99425 | 0.00000 | 204204.9 | 42070.1 | 0.0 | U/P |
| 7.978 | 28.8751 | 0.0000 | 84.013 | 3.00725 | 0.00000 | 206514.6 | 42310.2 | 0.0 | U/P |
| 8.000 | 28.9142 | 0.0000 | 84.053 | 3.02026 | 0.00000 | 208826.1 | 42551.3 | 0.0 | U/P |
| 8.022 | 29.0748 | 0.0000 | 84.093 | 3.03329 | 0.00000 | 211145.7 | 42793.4 | 0.0 | U/P |
| 8.044 | 29.4638 | 0.0000 | 84.133 | 3.04635 | 0.00000 | 213487.2 | 43036.6 | 0.0 | U/P |
| 8.067 | 30.1351 | 0.0000 | 84.173 | 3.05954 | 0.00000 | 215871.2 | 43280.8 | 0.0 | U/P |
| 8.089 | 30.9815 | 0.0000 | 84.215 | 3.07300 | 0.00000 | 218315.8 | 43526.1 | 0.0 | U/P |
| 8.111 | 31.8453 | 0.0000 | 84.257 | 3.08678 | 0.00000 | 220828.9 | 43772.5 | 0.0 | U/P |
| 8.133 | 32.6218 | 0.0000 | 84.301 | 3.10091 | 0.00000 | 223407.6 | 44020.0 | 0.0 | U/P |
| 8.156 | 33.2432 | 0.0000 | 84.345 | 3.11533 | 0.00000 | 226042.2 | 44268.7 | 0.0 | U/P |
| 8.178 | 33.6860 | 0.0000 | 84.390 | 3.12999 | 0.00000 | 228719.4 | 44518.5 | 0.0 | U/P |
| 8.200 | 33.9975 | 0.0000 | 84.435 | 3.14478 | 0.00000 | 231426.7 | 44769.5 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 11100 Year / 24 Hour Routing

| Elapsed Time (hours) | inflow Rate (ft3/s) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate (ft/s) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative <br> Discharge <br> Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 8.222 | 34.2235 | 0.0000 | 84.480 | 3.15966 | 0.00000 | 234155.6 | 45021.6 | 0.0 | U/P |
| 8.244 | 34.3890 | 0.0000 | 84.526 | 3.17457 | 0.00000 | 236900.1 | 45275.0 | 0.0 | U/P |
| 8.267 | 34.5078 | 0.0000 | 84.571 | 3.18949 | 0.00000 | 239655.9 | 45529.6 | 0.0 | U/P |
| 8.289 | 34.5943 | 0.0000 | 84.616 | 3.20438 | 0.00000 | 242420.0 | 45785.3 | 0.0 | U/P |
| 8.311 | 34.6568 | 0.0000 | 84.662 | 3.21924 | 0.00000 | 245190.1 | 46042.3 | 0.0 | U/P |
| 8.333 | 34.7021 | 0.0000 | 84.707 | 3.23406 | 0.00000 | 247964.4 | 46300.4 | 0.0 | U/P |
| 8.356 | 34.7353 | 0.0000 | 84.751 | 3.24882 | 0.00000 | 250741.9 | 46559.7 | 0.0 | U/P |
| 8.378 | 34.7597 | 0.0000 | 84.796 | 3.26353 | 0.00000 | 253521.7 | 46820.2 | 0.0 | U/P |
| 8.400 | 34.7776 | 0.0000 | 84.841 | 3.27818 | 0.00000 | 256303.2 | 47081.9 | 0.0 | U/P |
| 8.422 | 34.7908 | 0.0000 | 84.885 | 3.29276 | 0.00000 | 259085.9 | 47344.7 | 0.0 | U/P |
| 8.444 | 34.8010 | 0.0000 | 84.929 | 3.30728 | 0.00000 | 261869.6 | 47608.7 | 0.0 | U/P |
| 8.467 | 34.8089 | 0.0000 | 84.973 | 3.32173 | 0.00000 | 264654.0 | 47873.9 | 0.0 | U/P |
| 8.489 | 34.8149 | 0.0000 | 85.017 | 3.33614 | 0.00000 | 267438.9 | 48140.2 | 0.0 | U/P |
| 8.511 | 34.8188 | 0.0000 | 85.060 | 3.35057 | 0.00000 | 270224.3 | 48407.7 | 0.0 | U/P |
| 8.533 | 34.8210 | 0.0000 | 85.103 | 3.36498 | 0.00000 | 273009.9 | 48676.3 | 0.0 | U/P |
| 8.556 | 34.8220 | 0.0000 | 85.146 | 3.37932 | 0.00000 | 275795.6 | 48946.1 | 0.0 | U/P |
| 8.578 | 34.8230 | 0.0000 | 85.189 | 3.39359 | 0.00000 | 278581.4 | 49217.0 | 0.0 | U/P |
| 8.600 | 34.8239 | 0.0000 | 85.232 | 3.40780 | 0.00000 | 281367.3 | 49489.0 | 0.0 | U/P |
| 8.622 | 34.8248 | 0.0000 | 85.275 | 3.42194 | 0.00000 | 284153.2 | 49762.2 | 0.0 | U/P |
| 8.644 | 34.8257 | 0.0000 | 85.317 | 3.43602 | 0.00000 | 286939.3 | 50036.5 | 0.0 | U/P |
| 8.667 | 34.8265 | 0.0000 | 85.359 | 3.45004 | 0.00000 | 289725.3 | 50312.0 | 0.0 | U/P |
| 8.689 | 34.8274 | 0.0000 | 85.401 | 3.46399 | 0.00000 | 292511.5 | 50588.6 | 0.0 | U/P |
| 8.711 | 34.8282 | 0.0000 | 85.443 | 3.47788 | 0.00000 | 295297.7 | 50866.2 | 0.0 | U/P |
| 8.733 | 34.8290 | 0.0000 | 85.484 | 3.49171 | 0.00000 | 298084.0 | 51145.0 | 0.0 | U/P |
| 8.756 | 34.8298 | 0.0000 | 85.526 | 3.50548 | 0.00000 | 300870.3 | 51424.9 | 0.0 | U/P |
| 8.778 | 34.8306 | 0.0000 | 85.567 | 3.51919 | 0.00000 | 303656.8 | 51705.9 | 0.0 | U/P |
| 8.800 | 34.8313 | 0.0000 | 85.608 | 3.53284 | 0.00000 | 306443.3 | 51988.0 | 0.0 | U/P |
| 8.822 | 34.8321 | 0.0000 | 85.649 | 3.54644 | 0.00000 | 309229.8 | 52271.1 | 0.0 | U/P |
| 8.844 | 34.8328 | 0.0000 | 85.689 | 3.55997 | 0.00000 | 312016.4 | 52555.4 | 0.0 | U/P |
| 8.867 | 34.8335 | 0.0000 | 85.730 | 3.57345 | 0.00000 | 314803.0 | 52840.7 | 0.0 | U/P |
| 8.889 | 34.8342 | 0.0000 | 85.770 | 3.58687 | 0.00000 | 317589.7 | 53127.2 | 0.0 | U/P |
| 8.911 | 34.8349 | 0.0000 | 85.810 | 3.60024 | 0.00000 | 320376.5 | 53414.6 | 0.0 | U/P |
| 8.933 | 34.8355 | 0.0000 | 85.850 | 3.61355 | 0.00000 | 323163.3 | 53703.2 | 0.0 | U/P |
| 8.956 | 34.8362 | 0.0000 | 85.890 | 3.62681 | 0.00000 | 325950.2 | 53992.8 | 0.0 | U/P |
| 8.978 | 34.8368 | 0.0000 | 85.930 | 3.64002 | 0.00000 | 328737.1 | 54283.5 | 0.0 | U/P |
| 9.000 | 34.8374 | 0.0000 | 85.969 | 3.65317 | 0.00000 | 331524.1 | 54575.2 | 0.0 | U/P |
| 9.022 | 34.6813 | 0.0000 | 86.009 | 3.66627 | 0.00000 | 334304.8 | 54868.0 | 0.0 | U/P |
| 9.044 | 34.1961 | 0.0000 | 86.047 | 3.67930 | 0.00000 | 337059.9 | 55161.8 | 0.0 | U/P |
| 9.067 | 33.1624 | 0.0000 | 86.085 | 3.69211 | 0.00000 | 339754.3 | 55456.7 | 0.0 | U/P |
| 9.089 | 31.7055 | 0.0000 | 86.121 | 3.70444 | 0.00000 | 342349.0 | 55752.6 | 0.0 | U/P |
| 9.111 | 30.1389 | 0.0000 | 86.155 | 3.71616 | 0.00000 | 344822.8 | 56049.4 | 0.0 | U/P |
| 9.133 | 28.6819 | 0.0000 | 86.187 | 3.72720 | 0.00000 | 347175.6 | 56347.1 | 0.0 | U/P |
| 9.156 | 27.4600 | 0.0000 | 86.217 | 3.73761 | 0.00000 | 349421.3 | 56645.7 | 0.0 | U/P |
| 9.178 | 26.5828 | 0.0000 | 86.246 | 3.74750 | 0.00000 | 351583.0 | 56945.2 | 0.0 | U/P |
| 9.200 | 25.9719 | 0.0000 | 86.273 | 3.75698 | 0.00000 | 353685.2 | 57245.3 | 0.0 | U/P |
| 9.222 | 25.5334 | 0.0000 | 86.300 | 3.76617 | 0.00000 | 355745.3 | 57546.3 | 0.0 | U/P |
| 9.244 | 25.2093 | 0.0000 | 86.327 | 3.77515 | 0.00000 | 357775.1 | 57847.9 | 0.0 | U/P |
| 9.267 | 24.9792 | 0.0000 | 86.353 | 3.78397 | 0.00000 | 359782.6 | 58150.3 | 0.0 | U/P |
| 9.289 | 24.8118 | 0.0000 | 86.379 | 3.79267 | 0.00000 | 361774.3 | 58453.4 | 0.0 | U/P |
| 9.311 | 24.6914 | 0.0000 | 86.404 | 3.80128 | 0.00000 | 363754.4 | 58757.1 | 0.0 | U/P |
| 9.333 | 24.6054 | 0.0000 | 86.430 | 3.80981 | 0.00000 | 365726.3 | 59061.6 | 0.0 | U/P |
| 9.356 | 24.5429 | 0.0000 | 86.455 | 3.81828 | 0.00000 | 367692.2 | 59366.7 | 0.0 | U/P |
| 9.378 | 24.4977 | 0.0000 | 86.480 | 3.82671 | 0.00000 | 369653.8 | 59672.5 | 0.0 | U/P |
| 9.400 | 24.4650 | 0.0000 | 86.505 | 3.83509 | 0.00000 | 371612.3 | 59979.0 | 0.0 | U/P |
| 9.422 | 24.4417 | 0.0000 | 86.530 | 3.84344 | 0.00000 | 373568.6 | 60286.1 | 0.0 | U/P |
| 9.444 | 24.4247 | 0.0000 | 86.554 | 3.85176 | 0.00000 | 375523.2 | 60593.9 | 0.0 | U/P |
| 9.467 | 24.4114 | 0.0000 | 86.579 | 3.86005 | 0.00000 | 377476.7 | 60902.4 | 0.0 | U/P |
| 9.489 | 24.4019 | 0.0000 | 86.604 | 3.86831 | 0.00000 | 379429.2 | 61211.5 | 0.0 | U/P |
| 9.511 | 24.3913 | 0.0000 | 86.628 | 3.87655 | 0.00000 | 381380.9 | 61521.3 | 0.0 | U/P |
| 9.533 | 24.3645 | 0.0000 | 86.652 | 3.88476 | 0.00000 | 383331.2 | 61831.8 | 0.0 | U/P |
| 9.556 | 24.3046 | 0.0000 | 86.677 | 3.89294 | 0.00000 | 385277.9 | 62142.9 | 0.0 | U/P |
| 9.578 | 24.1984 | 0.0000 | 86.701 | 3.90108 | 0.00000 | 387218.1 | 62454.6 | 0.0 | U/P |
| 9.600 | 24.0628 | 0.0000 | 86.725 | 3.90915 | 0.00000 | 389148.5 | 62767.1 | 0.0 | U/P |
| 9.622 | 23.9237 | 0.0000 | 86.749 | 3.91715 | 0.00000 | 391068.0 | 63080.1 | 0.0 | U/P |
| 9.644 | 23.7981 | 0.0000 | 86.772 | 3.92508 | 0.00000 | 392976.8 | 63393.8 | 0.0 | U/P |
| 9.667 | 23.6971 | 0.0000 | 86.795 | 3.93294 | 0.00000 | 394876.6 | 63708.1 | 0.0 | U/P |
| 9.689 | 23.6252 | 0.0000 | 86.819 | 3.94074 | 0.00000 | 396769.5 | 64023.1 | 0.0 | U/P |
| 9.711 | 23.5748 | 0.0000 | 86.842 | 3.94850 | 0.00000 | 398657.5 | 64338.6 | 0.0 | U/P |
| 9.733 | 23.5384 | 0.0000 | 86.865 | 3.95621 | 0.00000 | 400542.1 | 64654.8 | 0.0 | U/P |
| 9.756 | 23.5118 | 0.0000 | 86.887 | 3.96390 | 0.00000 | 402424.1 | 64971.6 | 0.0 | U/P |
| 9.778 | 23.4928 | 0.0000 | 86.910 | 3.97155 | 0.00000 | 404304.3 | 65289.1 | 0.0 | U/P |
| 9.800 | 23.4791 | 0.0000 | 86.933 | 3.97918 | 0.00000 | 406183.2 | 65607.1 | 0.0 | U/P |
| 9.822 | 23.4693 | 0.0000 | 86.956 | 3.98679 | 0.00000 | 408061.1 | 65925.7 | 0.0 | U/P |
| 9.844 | 23.4623 | 0.0000 | 86.978 | 3.99437 | 0.00000 | 409938.3 | 66245.0 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 11100 Year / 24 Hour Routing

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / 5}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative <br> Discharge <br> Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 9.867 | 23.4572 | 0.0000 | 87.001 | 4.00194 | 0.00000 | 411815.1 | 86564.8 | 0.0 | U/P |
| 9.889 | 23.4536 | 0.0000 | 87.023 | 4.00951 | 0.00000 | 413691.6 | 66885.3 | 0.0 | U/P |
| 9.911 | 23.4510 | 0.0000 | 87.046 | 4.01708 | 0.00000 | 415567.8 | 67206.3 | 0.0 | U/P |
| 9.933 | 23.4492 | 0.0000 | 87.068 | 4.02463 | 0.00000 | 417443.8 | 67528.0 | 0.0 | U/P |
| 9.956 | 23.4479 | 0.0000 | 87.090 | 4.03217 | 0.00000 | 419319.6 | 67850.3 | 0.0 | U/P |
| 9.978 | 23.4469 | 0.0000 | 87.112 | 4.03968 | 0.00000 | 421195.4 | 68173.2 | 0.0 | U/P |
| 10.000 | 23.4463 | 0.0000 | 87.135 | 4.04718 | 0.00000 | 423071.2 | 68496.6 | 0.0 | U/P |
| 10.022 | 23.3365 | 0.0000 | 87.157 | 4.05465 | 0.00000 | 424942.5 | 68820.7 | 0.0 | U/P |
| 10.044 | 22.9356 | 0.0000 | 87.178 | 4.06205 | 0.00000 | 426793.3 | 69145.4 | 0.0 | U/P |
| 10.067 | 22.0225 | 0.0000 | 87.199 | 4.06925 | 0.00000 | 428591.7 | 69470.6 | 0.0 | U/P |
| 10.089 | 20.5984 | 0.0000 | 87.219 | 4.07609 | 0.00000 | 430296.5 | 69796.5 | 0.0 | U/P |
| 10.111 | 18.9314 | 0.0000 | 87.237 | 4.08240 | 0.00000 | 431877.7 | 70122.8 | 0.0 | U/P |
| 10.133 | 17.2980 | 0.0000 | 87.253 | 4.08808 | 0.00000 | 433326.9 | 70449.6 | 0.0 | U/P |
| 10.156 | 15.8718 | 0.0000 | 87.267 | 4.09315 | 0.00000 | 434653.7 | 70776.9 | 0.0 | U/P |
| 10.178 | 14.7787 | 0.0000 | 87.279 | 4.09767 | 0.00000 | 435879.7 | 71104.5 | 0.0 | U/P |
| 10.200 | 14.0072 | 0.0000 | 87.291 | 4.10177 | 0.00000 | 437031.1 | 71432.5 | 0.0 | U/P |
| 10.222 | 13.4606 | 0.0000 | 87.302 | 4.10557 | 0.00000 | 438129.8 | 71760.8 | 0.0 | U/P |
| 10.244 | 13.0617 | 0.0000 | 87.312 | 4.10914 | 0.00000 | 439190.8 | 72089.4 | 0.0 | U/P |
| 10.267 | 12.7735 | 0.0000 | 87.322 | 4.11255 | 0.00000 | 440224.2 | 72418.3 | 0.0 | U/P |
| 10.289 | 12.5659 | 0.0000 | 87.332 | 4.11585 | 0.00000 | 441237.7 | 72747.4 | 0.0 | U/P |
| 10.311 | 12.4158 | 0.0000 | 87.341 | 4.11906 | 0.00000 | 442237.0 | 73076.8 | 0.0 | U/P |
| 10.333 | 12.3082 | 0.0000 | 87.350 | 4.12221 | 0.00000 | 443225.9 | 73406.5 | 0.0 | U/P |
| 10.356 | 12.2306 | 0.0000 | 87.360 | 4.12532 | 0.00000 | 444207.5 | 73736.4 | 0.0 | U/P |
| 10.378 | 12.1743 | 0.0000 | 87.369 | 4.12839 | 0.00000 | 445183.7 | 74066.5 | 0.0 | U/P |
| 10.400 | 12.1334 | 0.0000 | 87.378 | 4.13143 | 0.00000 | 446156.0 | 74396.9 | 0.0 | U/P |
| 10.422 | 12.1041 | 0.0000 | 87.387 | 4.13446 | 0.00000 | 447125.5 | 74727.6 | 0.0 | U/P |
| 10.444 | 12.0829 | 0.0000 | 87.395 | 4.13747 | 0.00000 | 448093.0 | 75058.4 | 0.0 | U/P |
| 10.467 | 12.0667 | 0.0000 | 87.404 | 4.14047 | 0.00000 | 449059.0 | 75389.6 | 0.0 | U/P |
| 10.489 | 12.0547 | 0.0000 | 87.413 | 4.14346 | 0.00000 | 450023.8 | 75720.9 | 0.0 | U/P |
| 10.511 | 12.0465 | 0.0000 | 87.422 | 4.14644 | 0.00000 | 450987.9 | 76052.5 | 0.0 | U/P |
| 10.533 | 12.0601 | 0.0000 | 87.431 | 4.14942 | 0.00000 | 451952.1 | 76384.3 | 0.0 | U/P |
| 10.556 | 12.1163 | 0.0000 | 87.440 | 4.15240 | 0.00000 | 452919.2 | 76716.4 | 0.0 | U/P |
| 10.578 | 12.2391 | 0.0000 | 87.449 | 4.15541 | 0.00000 | 453893.4 | 77048.7 | 0.0 | U/P |
| 10.600 | 12.4138 | 0.0000 | 87.458 | 4.15845 | 0.00000 | 454879.5 | 77381.3 | 0.0 | U/P |
| 10.622 | 12.6033 | 0.0000 | 87.467 | 4.16155 | 0.00000 | 455880.2 | 77714.1 | 0.0 | U/P |
| 10.644 | 12.7806 | 0.0000 | 87.477 | 4.16472 | 0.00000 | 456895.6 | 78047.1 | 0.0 | U/P |
| 10.667 | 12.9300 | 0.0000 | 87.486 | 4.16795 | 0.00000 | 457924.0 | 78380.4 | 0.0 | U/P |
| 10.689 | 13.0381 | 0.0000 | 87.496 | 4.17123 | 0.00000 | 458962.7 | 78714.0 | 0.0 | U/P |
| 10.711 | 13.1136 | 0.0000 | 87.506 | 4.17454 | 0.00000 | 460008.8 | 79047.8 | 0.0 | U/P |
| 10.733 | 13.1677 | 0.0000 | 87.516 | 4.17789 | 0.00000 | 461060.0 | 79381.9 | 0.0 | U/P |
| 10.756 | 13.2076 | 0.0000 | 87.526 | 4.18125 | 0.00000 | 462115.0 | 79716.3 | 0.0 | U/P |
| 10.778 | 13.2360 | 0.0000 | 87.536 | 4.18462 | 0.00000 | 463172.8 | 80050.9 | 0.0 | U/P |
| 10.800 | 13.2567 | 0.0000 | 87.546 | 4.18799 | 0.00000 | 464232.5 | 80385.8 | 0.0 | U/P |
| 10.822 | 13.2716 | 0.0000 | 87.556 | 4.19138 | 0.00000 | 465293.6 | 80721.0 | 0.0 | U/P |
| 10.844 | 13.2822 | 0.0000 | 87.566 | 4.19476 | 0.00000 | 466355.8 | 81056.5 | 0.0 | U/P |
| 10.867 | 13.2900 | 0.0000 | 87.576 | 4.19814 | 0.00000 | 467418.7 | 81392.2 | 0.0 | U/P |
| 10.889 | 13.2956 | 0.0000 | 87.586 | 4.20152 | 0.00000 | 468482.1 | 81728.2 | 0.0 | U/P |
| 10.911 | 13.2997 | 0.0000 | 87.596 | 4.20491 | 0.00000 | 469545.9 | 82064.4 | 0.0 | U/P |
| 10.933 | 13.3026 | 0.0000 | 87.606 | 4.20828 | 0.00000 | 470610.0 | 82400.9 | 0.0 | U/P |
| 10.956 | 13.3048 | 0.0000 | 87.616 | 4.21166 | 0.00000 | 471674.3 | 82737.7 | 0.0 | U/P |
| 10.978 | 13.3065 | 0.0000 | 87.626 | 4.21503 | 0.00000 | 472738.7 | 83074.8 | 0.0 | U/P |
| 11.000 | 13.2769 | 0.0000 | 87.636 | 4.21840 | 0.00000 | 473802.1 | 83412.1 | 0.0 | U/P |
| 11.022 | 13.1275 | 0.0000 | 87.646 | 4.22174 | 0.00000 | 474858.3 | 83749.7 | 0.0 | U/P |
| 11.044 | 12.7551 | 0.0000 | 87.655 | 4.22501 | 0.00000 | 475893.6 | 84087.6 | 0.0 | U/P |
| 11.067 | 12.1076 | 0.0000 | 87.664 | 4.22814 | 0.00000 | 476888.1 | 84425.7 | 0.0 | U/P |
| 11.089 | 11.2907 | 0.0000 | 87.672 | 4.23104 | 0.00000 | 477824.0 | 84764.1 | 0.0 | U/P |
| 11.111 | 10.4571 | 0.0000 | 87.680 | 4.23364 | 0.00000 | 478693.9 | 85102.7 | 0.0 | U/P |
| 11.133 | 9.7079 | 0.0000 | 87.686 | 4.23595 | 0.00000 | 479500.5 | 85441.5 | 0.0 | U/P |
| 11.156 | 9.1086 | 0.0000 | 87.692 | 4.23798 | 0.00000 | 480253.2 | 85780.5 | 0.0 | U/P |
| \$1.178 | 8.6820 | 0.0000 | 87.697 | 4.23979 | 0.00000 | 480964.8 | 86119.6 | 0.0 | U/P |
| 11.200 | 8.3824 | 0.0000 | 87.701 | 4.24144 | 0.00000 | 481647.4 | 86458.8 | 0.0 | U/P |
| 11.222 | 8.1654 | 0.0000 | 87.706 | 4.24297 | 0.00000 | 482309.3 | 86798.2 | 0.0 | U/P |
| 11.244 | 8.0069 | 0.0000 | 87.710 | 4.24442 | 0.00000 | 482956.2 | 87137.7 | 0.0 | U/P |
| 11.267 | 7.8935 | 0.0000 | 87.714 | 4.24581 | 0.00000 | 483592.2 | 87477.3 | 0.0 | U/P |
| 11.289 | 7.8112 | 0.0000 | 87.718 | 4.24715 | 0.00000 | 484220.4 | 87817.0 | 0.0 | U/P |
| 11.311 | 7.7522 | 0.0000 | 87.722 | 4.24847 | 0.00000 | 484842.9 | 88156.9 | 0.0 | U/P |
| 11.333 | 7.7097 | 0.0000 | 87.726 | 4.24976 | 0.00000 | 485461.4 | 88496.8 | 0.0 | U/P |
| 11.356 | 7.6789 | 0.0000 | 87.729 | 4.25103 | 0.00000 | 486076.9 | 88836.8 | 0.0 | U/P |
| 11.378 | 7.6566 | 0.0000 | 87.733 | 4.25229 | 0.00000 | 486690.3 | 89177.0 | 0.0 | U/P |
| 11.400 | 7.6405 | 0.0000 | 87.737 | 4.25354 | 0.00000 | 487302.2 | 89517.2 | 0.0 | U/P |
| 11.422 | 7.6289 | 0.0000 | 87.740 | 4.25479 | 0.00000 | 487913.0 | 89857.5 | 0.0 | U/P |
| 11.444 | 7.6203 | 0.0000 | 87.744 | 4.25603 | 0.00000 | 488523.0 | 90198.0 | 0.0 | U/P |
| 11.467 | 7.6136 | 0.0000 | 87.748 | 4.25726 | 0.00000 | 489132.3 | 90538.5 | 0.0 | U/P |
| 11.489 | 7.6090 | 0.0000 | 87.751 | 4.25849 | 0.00000 | 489741.2 | 90879.1 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 11100 Year/24 Hour Routing

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}{ }^{3} / \mathrm{s}$ ) | Outside Recharge (fidday) | Stage Elevation (f datum) | Infistration Rate ( $\mathrm{f}{ }^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{tt}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $f^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 11.511 | 7.6030 | 0.0000 | 87.755 | 4.25972 | 0.00000 | 490349.7 | 91219.8 | 0.0 | U/P |
| 1, 1.533 | 7.5904 | 0.0000 | 87.759 | 4.26095 | 0.00000 | 490957.4 | 91560.7 | 0.0 | U/P |
| 11.556 | 7.5644 | 0.0000 | 87.762 | 4.26217 | 0.00000 | 491563.7 | 91901.6 | 0.0 | U/P |
| 11.578 | 7.5244 | 0.0000 | 87.766 | 4.26338 | 0.00000 | 492167.2 | 92242.6 | 0.0 | U/P |
| 11.600 | 7.4780 | 0.0000 | 87.769 | 4.26457 | 0.00000 | 492767.3 | 92583.7 | 0.0 | U/P |
| 11.622 | 7.4329 | 0.0000 | 87.773 | 4.26575 | 0.00000 | 493363.7 | 92925.0 | 0.0 | U/P |
| 11.644 | 7.3936 | 0.0000 | 87.776 | 4.26691 | 0.00000 | 493956.8 | 93266.3 | 0.0 | U/P |
| 11.667 | 7.3637 | 0.0000 | 87.780 | 4.26805 | 0.00000 | 494547.1 | 93607.7 | 0.0 | U/P |
| 11.689 | 7.3426 | 0.0000 | 87.783 | 4.26919 | 0.00000 | 495135.3 | 93949.1 | 0.0 | U/P |
| 11.711 | 7.3277 | 0.0000 | 87.786 | 4.27031 | 0.00000 | 495722.2 | 94290.7 | 0.0 | U/P |
| 11.733 | 7.3168 | 0.0000 | 87.790 | 4.27143 | 0.00000 | 496307.9 | 94632.4 | 0.0 | U/P |
| 11.756 | 7.3089 | 0.0000 | 87.793 | 4.27255 | 0.00000 | 496892.9 | 94974.2 | 0.0 | U/P |
| 11.778 | 7.3032 | 0.0000 | 87.796 | 4.27366 | 0.00000 | 497477.4 | 95316.0 | 0.0 | U/P |
| 11.800 | 7.2991 | 0.0000 | 87.799 | 4.27476 | 0.00000 | 498061.5 | 95657.9 | 0.0 | U/P |
| 11.822 | 7.2962 | 0.0000 | 87.803 | 4.27587 | 0.00000 | 498645.3 | 96000.0 | 0.0 | U/P |
| 11.844 | 7.2941 | 0.0000 | 87.806 | 4.27697 | 0.00000 | 499228.9 | 96342.1 | 0.0 | U/P |
| 11.867 | 7.2925 | 0.0000 | 87.809 | 4.27808 | 0.00000 | 499812.4 | 96684.3 | 0.0 | U/P |
| 11.889 | 7.2914 | 0.0000 | 87.813 | 4.27918 | 0.00000 | 500395.8 | 97026.6 | 0.0 | U/P |
| 11.911 | 7.2906 | 0.0000 | 87.816 | 4.28028 | 0.00000 | 500979.0 | 97369.0 | 0.0 | U/P |
| 11.933 | 7.2900 | 0.0000 | 87.819 | 4.28137 | 0.00000 | 501562.3 | 97711.4 | 0.0 | U/P |
| \$1.956 | 7.2896 | 0.0000 | 87.822 | 4.28247 | 0.00000 | 502145.5 | 98054.0 | 0.0 | U/P |
| 11.978 | 7.2893 | 0.0000 | 87.826 | 4.28357 | 0.00000 | 502728.6 | 98396.6 | 0.0 | U/P |
| 12.000 | 7.2891 | 0.0000 | 87.829 | 4.28467 | 0.00000 | 503311.8 | 98739.3 | 0.0 | U/P |
| 12.022 | 7.2937 | 0.0000 | 87.832 | 4.28576 | 0.00000 | 503895.1 | 99082.2 | 0.0 | U/P |
| 12.044 | 7.3084 | 0.0000 | 87.835 | 4.28686 | 0.00000 | 504479.1 | 99425.1 | 0.0 | U/P |
| 12.067 | 7.3397 | 0.0000 | 87.839 | 4.28796 | 0.00000 | 505065.1 | 99768.1 | 0.0 | U/P |
| 12.089 | 7.3838 | 0.0000 | 87.842 | 4.28907 | 0.00000 | 505654.0 | 100111.1 | 0.0 | U/P |
| 12.111 | 7.4313 | 0.0000 | 87.845 | 4.29020 | 0.00000 | 506246.6 | 100454.3 | 0.0 | U/P |
| 12.133 | 7.4754 | 0.0000 | 87.849 | 4.29135 | 0.00000 | 506842.9 | 100797.6 | 0.0 | U/P |
| 12.156 | 7.5124 | 0.0000 | 87.852 | 4.29250 | 0.00000 | 507442.4 | 101140.9 | 0.0 | U/P |
| 12.178 | 7.5390 | 0.0000 | 87.856 | 4.29368 | 0.00000 | 508044.4 | 101484.4 | 0.0 | U/P |
| 12.200 | 7.5575 | 0.0000 | 87.859 | 4.29486 | 0.00000 | 508648.3 | 101827.9 | 0.0 | U/P |
| 12.222 | 7.5708 | 0.0000 | 87.863 | 4.29604 | 0.00000 | 509253.4 | 102171.5 | 0.0 | U/P |
| 12.244 | 7.5806 | 0.0000 | 87.866 | 4.29723 | 0.00000 | 509859.5 | 102515.3 | 0.0 | U/P |
| 12.267 | 7.5876 | 0.0000 | 87.870 | 4.29843 | 0.00000 | 510466.2 | 102859.1 | 0.0 | U/P |
| 12.289 | 7.5927 | 0.0000 | 87.873 | 4.29962 | 0.00000 | 511073.4 | 103203.0 | 0.0 | U/P |
| 12.311 | 7.5964 | 0.0000 | 87.877 | 4.30082 | 0.00000 | 511681.0 | 103547.0 | 0.0 | U/P |
| 12.333 | 7.5990 | 0.0000 | 87.880 | 4.30201 | 0.00000 | 512288.8 | 103891.1 | 0.0 | U/P |
| 12.356 | 7.6009 | 0.0000 | 87.884 | 4.30321 | 0.00000 | 512896.8 | 104235.4 | 0.0 | U/P |
| 12.378 | 7.6023 | 0.0000 | 87.887 | 4.30441 | 0.00000 | 513504.9 | 104579.7 | 0.0 | U/P |
| 12.400 | 7.6033 | 0.0000 | 87.891 | 4.30561 | 0.00000 | 514113.2 | 104924.1 | 0.0 | U/P |
| 12.422 | 7.6040 | 0.0000 | 87.895 | 4.30680 | 0.00000 | 514721.4 | 105268.6 | 0.0 | U/P |
| 12.444 | 7.6045 | 0.0000 | 87.898 | 4.30800 | 0.00000 | 515329.8 | 105613.1 | 0.0 | U/P |
| 12.467 | 7.6049 | 0.0000 | 87.902 | 4.30919 | 0.00000 | 515938.2 | 105957.8 | 0.0 | U/P |
| 12.489 | 7.6052 | 0.0000 | 87.905 | 4.31039 | 0.00000 | 516546.6 | 106302.6 | 0.0 | U/P |
| 12.511 | 7.6039 | 0.0000 | 87.909 | 4.31158 | 0.00000 | 517154.9 | 106647.5 | 0.0 | U/P |
| 12.533 | 7.5961 | 0.0000 | 87.912 | 4.31278 | 0.00000 | 517762.9 | 106992.5 | 0.0 | U/P |
| 12.556 | 7.5760 | 0.0000 | 87.916 | 4.31396 | 0.00000 | 518369.8 | 107337.5 | 0.0 | U/P |
| 12.578 | 7.5406 | 0.0000 | 87.919 | 4.31514 | 0.00000 | 518974.5 | 107682.7 | 0.0 | U/P |
| 12.600 | 7.4954 | 0.0000 | 87.923 | 4.31631 | 0.00000 | 519575.9 | 108028.0 | 0.0 | U/P |
| 12.622 | 7.4490 | 0.0000 | 87.926 | 4.31746 | 0.00000 | 520173.7 | 108373.3 | 0.0 | U/P |
| 12.644 | 7.4071 | 0.0000 | 87.929 | 4.31859 | 0.00000 | 520767.9 | 108718.8 | 0.0 | U/P |
| 12.667 | 7.3734 | 0.0000 | 87.933 | 4.31971 | 0.00000 | 521359.2 | 109064.3 | 0.0 | U/P |
| 12.689 | 7.3494 | 0.0000 | 87.936 | 4.32082 | 0.00000 | 521948.1 | 109409.9 | 0.0 | U/P |
| 12.711 | 7.3325 | 0.0000 | 87.939 | 4.32191 | 0.00000 | 522535.3 | 109755.6 | 0.0 | U/P |
| 12.733 | 7.3203 | 0.0000 | 87.942 | 4.32300 | 0.00000 | 523121.4 | 110101.4 | 0.0 | U/P |
| 12.756 | 7.3114 | 0.0000 | 87.946 | 4.32409 | 0.00000 | 523706.7 | 110447.3 | 0.0 | U/P |
| 12.778 | 7.3051 | 0.0000 | 87.949 | 4.32517 | 0.00000 | 524291.4 | 110793.3 | 0.0 | U/P |
| 12.800 | 7.3004 | 0.0000 | 87.952 | 4.32624 | 0.00000 | 524875.6 | 111139.3 | 0.0 | U/P |
| 12.822 | 7.2971 | 0.0000 | 87.955 | 4.32732 | 0.00000 | 525459.5 | 111485.5 | 0.0 | U/P |
| 12.844 | 7.2948 | 0.0000 | 87.958 | 4.32839 | 0.00000 | 526043.2 | 111831.7 | 0.0 | U/P |
| 12.867 | 7.2930 | 0.0000 | 87.961 | 4.32946 | 0.00000 | 526626.7 | 112178.0 | 0.0 | U/P |
| 12.889 | 7.2918 | 0.0000 | 87.965 | 4.33053 | 0.00000 | 527210.1 | 112524.4 | 0.0 | U/P |
| 12.911 | 7.2909 | 0.0000 | 87.968 | 4.33160 | 0.00000 | 527793.4 | 112870.9 | 0.0 | U/P |
| 12.933 | 7.2902 | 0.0000 | 87.971 | 4.33266 | 0.00000 | 528376.6 | 113217.5 | 0.0 | U/P |
| 12.956 | 7.2898 | 0.0000 | 87.974 | 4.33373 | 0.00000 | 528959.8 | 113564.1 | 0.0 | U/P |
| 12.978 | 7.2894 | 0.0000 | 87.977 | 4.33480 | 0.00000 | 529543.0 | 113910.9 | 0.0 | U/P |
| 13.000 | 7.2891 | 0.0000 | 87.980 | 4.33586 | 0.00000 | 530126.1 | 114257.7 | 0.0 | U/P |
| 13.022 | 7.2677 | 0.0000 | 87.984 | 4.33692 | 0.00000 | 530708.4 | 114604.6 | 0.0 | U/P |
| 13.044 | 7.1897 | 0.0000 | 87.987 | 4.33797 | 0.00000 | 531286.7 | 114951.6 | 0.0 0.0 | U/P |
| 13.067 | 7.0121 | 0.0000 | 87.990 | 4.33899 | 0.00000 | 531854.8 | 115298.7 | 0.0 0.0 | U/P |
| 13.089 | 6.7352 | 0.0000 | 87.992 | 4.33995 | 0.00000 | 532404.7 | 115645.8 | 0.0 | U/P |
| 13.111 | 6.4110 | 0.0000 | 87.995 | 4.34080 | 0.00000 | 532930.5 | 115993.1 | 0.0 | U/P |
| 13.133 | 6.0933 | 0.0000 | 87.997 | 4.34155 | 0.00000 | 533430.7 | 116340.4 | 0.0 | U/P |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method <br> Copyright 2003

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 11100 Year / 24 Hour Routing

| Elapsed Time (hours) | Inflow <br> Rate <br> ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{A}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 13.156 | 5.8160 | 0.0000 | 87.998 | 4.34218 | 0.00000 | 533907.1 | 116687.7 | 0.0 | U/P |
| 13.178 | 5.6034 | 0.0000 | 88.000 | 4.34272 | 0.00000 | 534363.8 | 117035.1 | 0.0 | U/P |
| 13.200 | 5.4533 | 0.0000 | 88.001 | 4.34318 | 0.00000 | 534806.1 | 117382.6 | 0.0 | U/P |
| 13.222 | 5.3471 | 0.0000 | 88.002 | 4.34359 | 0.00000 | 535238.1 | 117730.0 | 0.0 | U/P |
| 13.244 | 5.2695 | 0.0000 | 88.003 | 4.34396 | 0.00000 | 535662.8 | 118077.5 | 0.0 | U/P |
| 13.267 | 5.2134 | 0.0000 | 88.004 | 4.34431 | 0.00000 | 536082.1 | 118425.1 | 0.0 | U/P |
| 13.289 | 5.1731 | 0.0000 | 88.005 | 4.34463 | 0.00000 | 536497.6 | 118772.6 | 0.0 | U/P |
| 13.311 | 5.1439 | 0.0000 | 88.006 | 4.34493 | 0.00000 | 536910.3 | 119120.2 | 0.0 | U/P |
| 13.333 | 5.1229 | 0.0000 | 88.007 | 4.34522 | 0.00000 | 537320.9 | 119467.8 | 0.0 | U/P |
| 13.356 | 5.1078 | 0.0000 | 88.008 | 4.34551 | 0.00000 | 537730.1 | 119815.4 | 0.0 | U/P |
| 13.378 | 5.0969 | 0.0000 | 88.009 | 4.34579 | 0.00000 | 538138.3 | 120163.1 | 0.0 | U/P |
| 13.400 | 5.0889 | 0.0000 | 88.009 | 4.34607 | 0.00000 | 538545.8 | 120510.8 | 0.0 | U/P |
| 13.422 | 5.0832 | 0.0000 | 88.010 | 4.34634 | 0.00000 | 538952.6 | 120858.5 | 0.0 | U/P |
| 13.444 | 5.0791 | 0.0000 | 88.011 | 4.34661 | 0.00000 | 539359.1 | 121206.2 | 0.0 | U/P |
| 13.467 | 5.0760 | 0.0000 | 88.012 | 4.34688 | 0.00000 | 539765.3 | 121553.9 | 0.0 | U/P |
| 13.489 | 5.0736 | 0.0000 | 88.012 | 4.34715 | 0.00000 | 540171.3 | 121901.7 | 0.0 | U/P |
| 13.511 | 5.0720 | 0.0000 | 88.013 | 4.34741 | 0.00000 | 540577.1 | 122249.5 | 0.0 | U/P |
| 13.533 | 5.0700 | 0.0000 | 88.014 | 4.34768 | 0.00000 | 540982.8 | 122597.3 | 0.0 | U/P |
| 13.556 | 5.0661 | 0.0000 | 88.015 | 4.34794 | 0.00000 | 541388.3 | 122945.1 | 0.0 | U/P |
| 13.578 | 5.0584 | 0.0000 | 88.016 | 4.34820 | 0.00000 | 541793.3 | 123292.9 | 0.0 | U/P |
| 13.600 | 5.0474 | 0.0000 | 88.016 | 4.34846 | 0.00000 | 542197.5 | 123640.8 | 0.0 | U/P |
| 13.622 | 5.0355 | 0.0000 | 88.037 | 4.34872 | 0.00000 | 542600.8 | 123988.7 | 0.0 | U/P |
| 13.644 | 5.0243 | 0.0000 | 88.018 | 4.34897 | 0.00000 | 543003.2 | 124336.6 | 0.0 | U/P |
| 13.667 | 5.0149 | 0.0000 | 88.018 | 4.34922 | 0.00000 | 543404.8 | 124684.5 | 0.0 | U/P |
| 13.689 | 5.0081 | 0.0000 | 88.019 | 4.34946 | 0.00000 | 543805.7 | 125032.5 | 0.0 | U/P |
| 13.711 | 5.0034 | 0.0000 | 88.020 | 4.34971 | 0.00000 | 544206.1 | 125380.4 | 0.0 | U/P |
| 13.733 | 5.0000 | 0.0000 | 88.021 | 4.34995 | 0.00000 | 544606.3 | 125728.4 | 0.0 | U/P |
| 13.756 | 4.9975 | 0.0000 | 88.021 | 4.35018 | 0.00000 | 545006.2 | 126076.4 | 0.0 | U/P |
| 13.778 | 4.9957 | 0.0000 | 88.022 | 4.35042 | 0.00000 | 545405.9 | 126424.5 | 0.0 | U/P |
| 13.800 | 4.9944 | 0.0000 | 88.023 | 4.35066 | 0.00000 | 545805.5 | 126772.5 | 0.0 | U/P |
| 13.822 | 4.9935 | 0.0000 | 88.023 | 4.35089 | 0.00000 | 546205.1 | 127120.6 | 0.0 | U/P |
| 13.844 | 4.9928 | 0.0000 | 88.024 | 4.35113 | 0.00000 | 546604.5 | 127468.6 | 0.0 | U/P |
| 13.867 | 4.9923 | 0.0000 | 88.025 | 4.35136 | 0.00000 | 547003.9 | 127816.7 | 0.0 | U/P |
| 13.889 | 4.9920 | 0.0000 | 88.025 | 4.35160 | 0.00000 | 547403.3 | 128164.9 | 0.0 | U/P |
| 13.911 | 4.9817 | 0.0000 | 88.026 | 4.35183 | 0.00000 | 547802.6 | 128513.0 | 0.0 | U/P |
| 13.933 | 4.9915 | 0.0000 | 88.027 | 4.35207 | 0.00000 | 548201.9 | 128861.1 | 0.0 | U/P |
| 13.956 | 4.9914 | 0.0000 | 88.027 | 4.35230 | 0.00000 | 548601.3 | 129209.3 | 0.0 | U/P |
| 13.978 | 4.9913 | 0.0000 | 88.028 | 4.35253 | 0.00000 | 549000.6 | 129557.5 | 0.0 | U/P |
| 14.000 | 4.9746 | 0.0000 | 88.029 | 4.35277 | 0.00000 | 549399.2 | 129905.7 | 0.0 | U/P |
| 14.022 | 4.8932 | 0.0000 | 88.029 | 4.35299 | 0.00000 | 549793.9 | 130254.0 | 0.0 | U/P |
| 14.044 | 4.6912 | 0.0000 | 88.030 | 4.35318 | 0.00000 | 550177.3 | 130602.2 | 0.0 | U/P |
| 14.067 | 4.3405 | 0.0000 | 88.030 | 4.35329 | 0.00000 | 550538.6 | 130950.5 | 0.0 | U/P |
| 14.089 | 3.8980 | 0.0000 | 88.030 | 4.35327 | 0.00000 | 550868.1 | 131298.7 | 0.0 | U/P |
| 14.111 | 3.4465 | 0.0000 | 88.029 | 4.35311 | 0.00000 | 551161.9 | 131647.0 | 0.0 | U/P |
| 14.133 | 3.0407 | 0.0000 | 88.028 | 4.35278 | 0.00000 | 551421.4 | 131995.2 | 0.0 | U/P |
| 14.156 | 2.7161 | 0.0000 | 88.026 | 4.35230 | 0.00000 | 551651.6 | 132343.4 | 0.0 | U/P |
| 14.178 | 2.4851 | 0.0000 | 88.024 | 4.35171 | 0.00000 | 551859.7 | 132691.6 | 0.0 | U/P |
| 14.200 | 2.3228 | 0.0000 | 88.022 | 4.35104 | 0.00000 | 552052.0 | 133039.7 | 0.0 | U/P |
| 14.222 | 2.2053 | 0.0000 | 88.020 | 4.35030 | 0.00000 | 552233.1 | 133387.8 | 0.0 | U/P |
| 14.244 | 2.1194 | 0.0000 | 88.018 | 4.34951 | 0.00000 | 552406.1 | 133735.8 | 0.0 | U/P |
| 14.267 | 2.0580 | 0.0000 | 88.015 | 4.34870 | 0.00000 | 552573.2 | 134083.7 | 0.0 | U/P |
| 14.289 | 2.0134 | 0.0000 | 88.013 | 4.34786 | 0.00000 | 552736.1 | 134431.5 | 0.0 | U/P |
| 14.311 | 1.9814 | 0.0000 | 88.010 | 4.34701 | 0.00000 | 552895.9 | 134779.3 | 0.0 | U/P |
| 14.333 | 1.9584 | 0.0000 | 88.008 | 4.34614 | 0.00000 | 553053.4 | 135127.1 | 0.0 | U/P |
| 14.356 | 1.9417 | 0.0000 | 88.005 | 4.34527 | 0.00000 | 553209.4 | 135474.7 | 0.0 | U/P |
| 14.378 | 1.9296 | 0.0000 | 88.003 | 4.34438 | 0.00000 | 553364.3 | 135822.3 | 0.0 | U/P |
| 14.400 | 1.9209 | 0.0000 | 88.000 | 4.34350 | 0.00000 | 553518.3 | 136169.8 | 0.0 | U/P |
| 14.422 | 1.9146 | 0.0000 | 87.998 | 4.34262 | 0.00000 | 553671.8 | 136517.3 | 0.0 | U/P |
| 14.444 | 1.9099 | 0.0000 | 87.995 | 4.34174 | 0.00000 | 553824.8 | 136864.7 | 0.0 | U/P |
| 14.467 | 1.9064 | 0.0000 | 87.992 | 4.34087 | 0.00000 | 553977.4 | 137212.0 | 0.0 | U/P |
| 14.489 | 1.9039 | 0.0000 | 87.990 | 4.33999 | 0.00000 | 554129.8 | 137559.2 | 0.0 | U/P |
| 14.511 | 1.9023 | 0.0000 | 87.987 | 4.33912 | 0.00000 | 554282.1 | 137906.4 | 0.0 | U/P |
| 14.533 | 1.9017 | 0.0000 | 87.985 | 4.33824 | 0.00000 | 554434.2 | 138253.5 | 0.0 | U/P |
| 14.556 | 1.9017 | 0.0000 | 87.982 | 4.33736 | 0.00000 | 554586.4 | 138600.5 | 0.0 | U/P |
| 14.578 | 1.9017 | 0.0000 | 87.979 | 4.33648 | 0.00000 | 554738.5 | 138947.4 | 0.0 | U/P |
| 14.600 | 1.9016 | 0.0000 | 87.977 | 4.33561 | 0.00000 | 554890.6 | 139294.3 | 0.0 | U/P |
| 14.622 | 1.9016 | 0.0000 | 87.974 | 4.33473 | 0.00000 | 555042.8 | 139641.1 | 0.0 | U/P |
| 14.644 | 1.9015 | 0.0000 | 87.972 | 4.33385 | 0.00000 | 555194.9 | 139987.9 | 0.0 | U/P |
| 14.667 | 1.9015 | 0.0000 | 87.969 | 4.33297 | 0.00000 | 555347.0 | 140334.5 | 0.0 | U/P |
| 14.689 | 1.9015 | 0.0000 | 87.966 | 4.33210 | 0.00000 | 555499.1 | 140681.1 | 0.0 | U/P |
| 14.711 | 1.9015 | 0.0000 | 87.964 | 4.33122 | 0.00000 | 555651.3 | 141027.7 | 0.0 | U/P |
| 14.733 | 1.9014 | 0.0000 | 87.961 | 4.33034 | 0.00000 | 555803.3 | 141374.1 | 0.0 | U/P |
| 14.756 | 1.9014 | 0.0000 | 87.959 | 4.32947 | 0.00000 | 555955.4 | 141720.5 | 0.0 | U/P |
| 14.778 | 1.9014 | 0.0000 | 87.956 | 4.32859 | 0.00000 | 556107.6 | 142066.8 | 0.0 | U/P |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 11100 Year / 24 Hour Routing

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (f/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{fl}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{ff}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ff}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 14.800 | 1.9014 | 0.0000 | 87.953 | 4.32772 | 0.00000 | 556259.7 | 142413.1 | 0.0 | U/P |
| 14.822 | 1.9014 | 0.0000 | 87.951 | 4.32684 | 0.00000 | 556411.8 | 142759.3 | 0.0 | U/P |
| 14.844 | 1.9014 | 0.0000 | 87.948 | 4.32596 | 0.00000 | 556563.9 | 143105.4 | 0.0 | U/P |
| 14.867 | 1.9014 | 0.0000 | 87.946 | 4.32509 | 0.00000 | 556716.0 | 143451.4 | 0.0 | U/P |
| 14.889 | 1.9014 | 0.0000 | 87.943 | 4.32421 | 0.00000 | 556868.1 | 143797.4 | 0.0 | U/P |
| 14.911 | 1.9014 | 0.0000 | 87.940 | 4.32334 | 0.00000 | 557020.3 | 144143.3 | 0.0 | U/P |
| 14.933 | 1.9014 | 0.0000 | 87.938 | 4.32246 | 0.00000 | 557172.4 | 144489.1 | 0.0 | U/P |
| 14.956 | 1.9014 | 0.0000 | 87.935 | 4.32159 | 0.00000 | 557324.5 | 144834.9 | 0.0 | U/P |
| 14.978 | 1.9014 | 0.0000 | 87.933 | 4.32071 | 0.00000 | 557476.6 | 145180.6 | 0.0 | U/P |
| 15.000 | 1.9014 | 0.0000 | 87.930 | 4.31984 | 0.00000 | 557628.7 | 145526.2 | 0.0 | U/P |
| 15.022 | 1.9014 | 0.0000 | 87.927 | 4.31896 | 0.00000 | 557780.8 | 145871.8 | 0.0 | U/P |
| 15.044 | 1.9014 | 0.0000 | 87.925 | 4.31809 | 0.00000 | 557932.9 | 146217.3 | 0.0 | U/P |
| 15.067 | 1.9015 | 0.0000 | 87.922 | 4.31721 | 0.00000 | 558085.1 | 146562.7 | 0.0 | U/P |
| 15.089 | 1.9015 | 0.0000 | 87.920 | 4.31634 | 0.00000 | 558237.2 | 146908.0 | 0.0 | U/P |
| 15.111 | 1.9016 | 0.0000 | 87.917 | 4.31546 | 0.00000 | 558389.3 | 147253.3 | 0.0 | U/P |
| 15.133 | 1.9016 | 0.0000 | 87.915 | 4.31459 | 0.00000 | 558541.4 | 147598.5 | 0.0 | U/P |
| 15.156 | 1.9017 | 0.0000 | 87.912 | 4.31371 | 0.00000 | 558693.6 | 147943.6 | 0.0 | U/P |
| 15.178 | 1.9017 | 0.0000 | 87.909 | 4.31284 | 0.00000 | 558845.7 | 148288.7 | 0.0 | U/P |
| 15.200 | 1.9017 | 0.0000 | 87.907 | 4.31197 | 0.00000 | 558997.8 | 148633.7 | 0.0 | U/P |
| 15.222 | 1.9017 | 0.0000 | 87.904 | 4.31109 | 0.00000 | 559149.9 | 148978.6 | 0.0 | U/P |
| 15.244 | 1.9017 | 0.0000 | 87.902 | 4.31022 | 0.00000 | 559302.1 | 149323.4 | 0.0 | U/P |
| 15.267 | 1.9017 | 0.0000 | 87.899 | 4.30935 | 0.00000 | 559454.3 | 149668.2 | 0.0 | U/P |
| 15.289 | 1.9017 | 0.0000 | 87.896 | 4.30847 | 0.00000 | 559606.4 | 150012.9 | 0.0 | U/P |
| 15.311 | 1.9018 | 0.0000 | 87.894 | 4.30760 | 0.00000 | 559758.5 | 150357.6 | 0.0 | U/P |
| 15.333 | 1.9018 | 0.0000 | 87.891 | 4.30673 | 0.00000 | 559910.6 | 150702.2 | 0.0 | U/P |
| 15.356 | 1.9018 | 0.0000 | 87.889 | 4.30586 | 0.00000 | 560062.8 | 151046.7 | 0.0 | U/P |
| 15.378 | 1.9018 | 0.0000 | 87.886 | 4.30498 | 0.00000 | 560214.9 | 151391.1 | 0.0 | U/P |
| 15.400 | 1.9018 | 0.0000 | 87.883 | 4.30411 | 0.00000 | 560367.1 | 151735.5 | 0.0 | U/P |
| 15.422 | 1.9018 | 0.0000 | 87.881 | 4.30324 | 0.00000 | 560519.2 | 152079.8 | 0.0 | U/P |
| 15.444 | 1.9018 | 0.0000 | 87.878 | 4.30237 | 0.00000 | 560671.4 | 152424.0 | 0.0 | U/P |
| 15.467 | 1.9018 | 0.0000 | 87.876 | 4.30150 | 0.00000 | 560823.5 | 152768.1 | 0.0 | U/P |
| 15.489 | 1.9018 | 0.0000 | 87.873 | 4.30062 | 0.00000 | 560975.6 | 153112.2 | 0.0 | U/P |
| 15.511 | 1.9002 | 0.0000 | 87.871 | 4.29975 | 0.00000 | 561127.7 | 153456.2 | 0.0 | U/P |
| 15.533 | 1.8923 | 0.0000 | 87.868 | 4.29888 | 0.00000 | 561279.4 | 153800.2 | 0.0 | U/P |
| 15.556 | 1.8722 | 0.0000 | 87.865 | 4.29800 | 0.00000 | 561430.0 | 154144.0 | 0.0 | U/P |
| 15.578 | 1.8367 | 0.0000 | 87.863 | 4.29712 | 0.00000 | 561578.4 | 154487.9 | 0.0 | U/P |
| 15.600 | 1.7915 | 0.0000 | 87.860 | 4.29622 | 0.00000 | 561723.5 | 154831.6 | 0.0 | U/P |
| 15.622 | 1.7450 | 0.0000 | 87.857 | 4.29531 | 0.00000 | 561864.9 | 155175.3 | 0.0 | U/P |
| \$5,644 | 1.7030 | 0.0000 | 87.855 | 4.29439 | 0.00000 | 562002.9 | 155518.8 | 0.0 | U/P |
| 15.667 | 1.6693 | 0.0000 | 87.852 | 4.29344 | 0.00000 | 562137.8 | 155862.3 | 0.0 | U/P |
| 15.689 | 1.6453 | 0.0000 | 87.849 | 4.29249 | 0.00000 | 562270.3 | 156205.8 | 0.0 | U/P |
| 15.711 | 1.6284 | 0.0000 | 87.846 | 4.29153 | 0.00000 | 562401.3 | 156549.1 | 0.0 | U/P |
| 15.733 | 1.6162 | 0.0000 | 87.843 | 4.29056 | 0.00000 | 562531.1 | 156892.4 | 0.0 | U/P |
| 15.756 | 1.6073 | 0.0000 | 87.840 | 4.28958 | 0.00000 | 562660.0 | 157235.6 | 0.0 | U/P |
| 15.778 | 1.6009 | 0.0000 | 87.837 | 4.28861 | 0.00000 | 562788.3 | 157578.8 | 0.0 | U/P |
| 15.800 | 1.5962 | 0.0000 | 87.834 | 4.28763 | 0.00000 | 562916.2 | 157921.8 | 0.0 | U/P |
| 15.822 | 1.5929 | 0.0000 | 87.832 | 4.28665 | 0.00000 | 563043.8 | 158264.8 | 0.0 | U/P |
| 15.844 | 1.5905 | 0.0000 | 87.829 | 4.28566 | 0.00000 | 563171.1 | 158607.7 | 0.0 | U/P |
| 15.867 | 1.5888 | 0.0000 | 87.826 | 4.28468 | 0.00000 | 563298.3 | 158950.5 | 0.0 | U/P |
| 15.889 | 1.5875 | 0.0000 | 87.823 | 4.28370 | 0.00000 | 563425.4 | 159293.2 | 0.0 | U/P |
| 15.911 | 1.5866 | 0.0000 | 87.820 | 4.28271 | 0.00000 | 563552.3 | 159635.9 | 0.0 | U/P |
| 15.933 | 1.5860 | 0.0000 | 87.817 | 4.28173 | 0.00000 | 563679.3 | 159978.5 | 0.0 | U/P |
| 15.956 | 1.5855 | 0.0000 | 87.814 | 4.28075 | 0.00000 | 563806.1 | 160321.0 | 0.0 | U/P |
| 15.978 | 1.5851 | 0.0000 | 87.811 | 4.27976 | 0.00000 | 563932.9 | 160663.4 | 0.0 | U/P |
| 16.000 | 1.5849 | 0.0000 | 87.808 | 4.27878 | 0.00000 | 564059.7 | 161005.7 | 0.0 | U/P |
| 16.022 | 1.5817 | 0.0000 | 87.805 | 4.27779 | 0.00000 | 564186.4 | 161348.0 | 0.0 | U/P |
| 16.044 | 1.5705 | 0.0000 | 87.802 | 4.27681 | 0.00000 | 564312.4 | 161690.2 | 0.0 | U/P |
| 16.067 | 1.5451 | 0.0000 | 87.799 | 4.27582 | 0.00000 | 564437.1 | 162032.3 | 0.0 | U/P |
| 16.089 | 1.5055 | 0.0000 | 87.797 | 4.27482 | 0.00000 | 564559.1 | 162374.3 | 0.0 | U/P |
| 16.111 | 1.4591 | 0.0000 | 87.793 | 4.27381 | 0.00000 | 564677.7 | 162716.3 | 0.0 | U/P |
| 16.133 | 1.4137 | 0.0000 | 87.790 | 4.27278 | 0.00000 | 564792.6 | 163058.1 | 0.0 | U/P |
| 16.156 | 1.3740 | 0.0000 | 87.787 | 4.27173 | 0.00000 | 564904.1 | 163399.9 | 0.0 | U/P |
| 16.178 | 1.3437 | 0.0000 | 87.784 | 4.27067 | 0.00000 | 565012.8 | 163741.6 | 0.0 | U/P |
| 16.200 | 1.3222 | 0.0000 | 87.781 | 4.26960 | 0.00000 | 565119.4 | 164083.2 | 0.0 | U/P |
| 16.222 | 1.3070 | 0.0000 | 87.778 | 4.26853 | 0.00000 | 565224.6 | 164424.7 | 0.0 | U/P |
| 16.244 | 1.2959 | 0.0000 | 87.775 | 4.26744 | 0.00000 | 565328.8 | 164766.2 | 0.0 | U/P |
| 16.267 | 1.2879 | 0.0000 | 87.771 | 4.26635 | 0.00000 | 565432.1 | 165107.5 | 0.0 | U/P |
| 16.289 | 1.2821 | 0.0000 | 87.768 | 4.26526 | 0.00000 | 565534.9 | 165448.8 | 0.0 | U/P |
| 16.311 | 1.2780 | 0.0000 | 87.765 | 4.26417 | 0.00000 | 565637.3 | 165790.0 | 0.0 | U/P |
| 16.333 | 1.2750 | 0.0000 | 87.762 | 4.26308 | 0.00000 | 565739.4 | 166131.0 | 0.0 | U/P |
| 16.356 | 1.2728 | 0.0000 | 87.758 | 4.26198 | 0.00000 | 565841.3 | 166472.0 | 0.0 | U/P |
| 16.378 | 1.2712 | 0.0000 | 87.755 | 4.26088 | 0.00000 | 565943.1 | 166813.0 | 0.0 | U/P |
| 16.400 | 1.2701 | 0.0000 | 87.752 | 4.25979 | 0.00000 | 566044.8 | 167153.8 | 0.0 | U/P |
| 16.422 | 1.2693 | 0.0000 | 87.749 | 4.25869 | 0.00000 | 566146.3 | 167494.5 | 0.0 | U/P |

PONDS Version 3.2.0207

# Retention Pond Recovery - Refined Method Copyright 2003 

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 11100 Year / 24 Hour Routing

| Elapsed Time (hours) | infiow Rate ( $\mathrm{H}^{3 / 5}$ ) | Outside Recharge (f/day) | Stage Elevation (ft datum) | Infitration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Fiow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 16.444 | 1.2687 | 0.0000 | 87.745 | 4.25759 | 0.00000 | 566247.8 | 167835.2 | 0.0 | U/P |
| 16.467 | 1.2682 | 0.0000 | 87.742 | 4.25650 | 0.00000 | 566349.3 | 168175.7 | 0.0 | U/P |
| 16.489 | 1.2679 | 0.0000 | 87.739 | 4.25540 | 0.00000 | 566450.8 | 168516.2 | 0.0 | U/P |
| 16.511 | 1.2677 | 0.0000 | 87.736 | 4.25430 | 0.00000 | 566552.2 | 168856.6 | 0.0 | U/P |
| 16.533 | 1.2733 | 0.0000 | 87.732 | 4.25321 | 0.00000 | 566653.8 | 169196.9 | 0.0 | U/P |
| 16.556 | 1.2911 | 0.0000 | 87.729 | 4.25211 | 0.00000 | 566756.4 | 169537.1 | 0.0 | U/P |
| 16.578 | 1.3295 | 0.0000 | 87.726 | 4.25103 | 0.00000 | 566861.2 | 169877.3 | 0.0 | U/P |
| 16.600 | 1.3842 | 0.0000 | 87.723 | 4.24995 | 0.00000 | 566969.8 | 170217.3 | 0.0 | U/P |
| 16.622 | 1.4434 | 0.0000 | 87.720 | 4.24890 | 0.00000 | 567082.9 | \$70557.2 | 0.0 | U/P |
| 16.644 | 1.4989 | 0.0000 | 87.717 | 4.24787 | 0.00000 | 567200.6 | 170897.1 | 0.0 | U/P |
| 16.667 | 1.5456 | 0.0000 | 87.714 | 4.24686 | 0.00000 | 567322.3 | 171236.9 | 0.0 | U/P |
| 16.689 | 1.5794 | 0.0000 | 87.711 | 4.24586 | 0.00000 | 567447.3 | 171576.6 | 0.0 | U/P |
| 16.711 | 1.6029 | 0.0000 | 87.708 | 4.24488 | 0.00000 | 567574.6 | 171916.2 | 0.0 | U/P |
| 16.733 | 1.6198 | 0.0000 | 87.705 | 4.24391 | 0.00000 | 567703.5 | 172255.8 | 0.0 | U/P |
| 16.756 | 1.6323 | 0.0000 | 87.702 | 4.24294 | 0.00000 | 567833.6 | 172595.3 | 0.0 | U/P |
| 16.778 | 1.6412 | 0.0000 | 87.699 | 4.24198 | 0.00000 | 567964.6 | 172934.7 | 0.0 | U/P |
| 16.800 | 1.6477 | 0.0000 | 87.696 | 4.24102 | 0.00000 | 568096.1 | 173274.0 | 0.0 | U/P |
| 16.822 | 1.6523 | 0.0000 | 87.694 | 4.24006 | 0.00000 | 568228.1 | 173613.2 | 0.0 | U/P |
| 16.844 | 1.6556 | 0.0000 | 87.691 | 4.23911 | 0.00000 | 568360.4 | 173952.4 | 0.0 | U/P |
| 16.867 | 1.6580 | 0.0000 | 87.688 | 4.23816 | 0.00000 | 568493.0 | 174291.5 | 0.0 | U/P |
| 16.889 | 1.6598 | 0.0000 | 87.685 | 4.23721 | 0.00000 | 568625.7 | 174630.5 | 0.0 | U/P |
| 16.911 | 1.6611 | 0.0000 | 87.682 | 4.23626 | 0.00000 | 568758.5 | 174969.4 | 0.0 | U/P |
| 16.933 | 1.6620 | 0.0000 | 87.680 | 4.23531 | 0.00000 | 568891.4 | 175308.3 | 0.0 | U/P |
| 16.956 | 1.6626 | 0.0000 | 87.677 | 4.23436 | 0.00000 | 569024.4 | 175647.1 | 0.0 | U/P |
| 16.978 | 1.6631 | 0.0000 | 87.674 | 4.23347 | 0.00000 | 569157.4 | 175985.8 | 0.0 | U/P |
| 17.000 | 1.6648 | 0.0000 | 87.671 | 4.23246 | 0.00000 | 569290.6 | 176324.4 | 0.0 | U/P |
| 17.022 | 1.6713 | 0.0000 | 87.668 | 4.23151 | 0.00000 | 569424.0 | 176663.0 | 0.0 | U/P |
| 17.044 | 1.6870 | 0.0000 | 87.665 | 4.23057 | 0.00000 | 569558.4 | 177001.5 | 0.0 | U/P |
| 17.067 | 1.7140 | 0.0000 | 87.663 | 4.22963 | 0.00000 | 569694.4 | 177339.9 | 0.0 | U/P |
| 17.089 | 1.7481 | 0.0000 | 87.660 | 4.22870 | 0.00000 | 569832.9 | 177678.2 | 0.0 | U/P |
| 17.111 | 1.7828 | 0.0000 | 87.657 | 4.22778 | 0.00000 | 569974.1 | 178016.5 | 0.0 | U/P |
| 17.133 | 1.8141 | 0.0000 | 87.655 | 4.22688 | 0.00000 | 570118.0 | 178354.6 | 0.0 | U/P |
| 17.156 | 1.8391 | 0.0000 | 87.652 | 4.22599 | 0.00000 | 570264.1 | 178692.8 | 0.0 | U/P |
| 17.178 | 1.8569 | 0.0000 | 87.649 | 4.22510 | 0.00000 | 570411.9 | 179030.8 | 0.0 | U/P |
| 17.200 | 1.8694 | 0.0000 | 87.647 | 4.22423 | 0.00000 | 570561.0 | 179368.8 | 0.0 | U/P |
| 17.222 | 1.8784 | 0.0000 | 87.644 | 4.22335 | 0.00000 | 570710.9 | 179706.7 | 0.0 | U/P |
| 17.244 | 1.8850 | 0.0000 | 87.642 | 4.22249 | 0.00000 | 570861.4 | 180044.5 | 0.0 | U/P |
| 17.267 | 1.8898 | 0.0000 | 87.639 | 4.22162 | 0.00000 | 571012.4 | 180382.3 | 0.0 | U/P |
| 17.289 | 1.8932 | 0.0000 | 87.637 | 4.22076 | 0.00000 | 571163.8 | 180720.0 | 0.0 | U/P |
| 17.311 | 1.8957 | 0.0000 | 87.634 | 4.21990 | 0.00000 | 571315.3 | 181057.6 | 0.0 | U/P |
| 17.333 | 1.8974 | 0.0000 | 87.631 | 4.21904 | 0.00000 | 571467.0 | 181395.2 | 0.0 | U/P |
| 17.356 | 1.8987 | 0.0000 | 87.629 | 4.21817 | 0.00000 | 571618.9 | 181732.6 | 0.0 | U/P |
| 17.378 | 1.8996 | 0.0000 | 87.626 | 4.21732 | 0.00000 | 571770.8 | 182070.1 | 0.0 | U/P |
| $\uparrow 7.400$ | 1.9003 | 0.0000 | 87.624 | 4.21646 | 0.00000 | 571922.8 | 182407.4 | 0.0 | U/P |
| 17.422 | 1.9008 | 0.0000 | 87.621 | 4.21560 | 0.00000 | 572074.9 | 182744.7 | 0.0 | U/P |
| 17.444 | 1.9012 | 0.0000 | 87.619 | 4.21474 | 0.00000 | 572226.9 | 183081.9 | 0.0 | U/P |
| 17.467 | 1.9014 | 0.0000 | 87.616 | 4.21388 | 0.00000 | 572379.1 | 183419.1 | 0.0 | U/P |
| 17.489 | 1.9016 | 0.0000 | 87.614 | 4.21303 | 0.00000 | 572531.1 | 183756.1 | 0.0 | U/P |
| 17.511 | 1.8985 | 0.0000 | 87.611 | 4.21217 | 0.00000 | 572683.2 | 184093.1 | 0.0 | U/P |
| 17.533 | 1.8870 | 0.0000 | 87.609 | 4.21131 | 0.00000 | 572834.6 | 184430.1 | 0.0 | U/P |
| 17.556 | 1.8610 | 0.0000 | 87.606 | 4.21044 | 0.00000 | 572984.5 | 184767.0 | 0.0 | U/P |
| 17.578 | 1.8208 | 0.0000 | 87.603 | 4.20957 | 0.00000 | 573131.8 | 185103.8 | 0.0 | U/P |
| 17.600 | 1.7744 | 0.0000 | 87.601 | 4.20868 | 0.00000 | 573275.6 | 185440.5 | 0.0 | U/P |
| 17.622 | 1.7291 | 0.0000 | 87.598 | 4.20778 | 0.00000 | 573415.8 | 185777.1 | 0.0 | U/P |
| 17.644 | 1.6897 | 0.0000 | 87.595 | 4.20686 | 0.00000 | 573552.5 | 186113.7 | 0.0 | U/P |
| 17.667 | 1.6597 | 0.0000 | 87.592 | 4.20593 | 0.00000 | 573686.4 | 186450.2 | 0.0 | U/P |
| 17.689 | 1.6386 | 0.0000 | 87.590 | 4.20498 | 0.00000 | 573818.4 | 186786.7 | 0.0 | U/P |
| 17.711 | 1.6236 | 0.0000 | 87.587 | 4.20403 | 0.00000 | 573948.9 | 187123.0 | 0.0 | U/P |
| 17.733 | 1.6127 | 0.0000 | 87.584 | 4.20307 | 0.00000 | 574078.3 | 187459.3 | 0.0 | U/P |
| 17.756 | 1.6048 | 0.0000 | 87.581 | 4.20211 | 0.00000 | 574207.0 | 187795.5 | 0.0 | U/P |
| 17.778 | 1.5991 | 0.0000 | 87.578 | 4.20114 | 0.00000 | 574335.2 | 188131.7 | 0.0 | U/P |
| 17.800 | 1.5950 | 0.0000 | 87.575 | 4.20017 | 0.00000 | 574462.9 | 188467.7 | 0.0 | U/P |
| 17.822 | 1.5920 | 0.0000 | 87.573 | 4.19920 | 0.00000 | 574590.4 | 188803.7 | 0.0 | U/P |
| 17.844 | 1.5899 | 0.0000 | 87.570 | 4.19823 | 0.00000 | 574717.7 | 189139.6 | 0.0 | U/P |
| 17.867 | 1.5883 | 0.0000 | 87.567 | 4.19726 | 0.00000 | 574844.8 | 189475.4 | 0.0 | U/P |
| 17.889 | 1.5872 | 0.0000 | 87.564 | 4.19629 | 0.00000 | 574971.8 | 189811.1 | 0.0 | U/P |
| \$7.911 | 1.5864 | 0.0000 | 87.561 | 4.19532 | 0.00000 | 575098.8 | 190146.8 | 0.0 | U/P |
| 17.933 | 1.5858 | 0.0000 | 87.558 | 4.19435 | 0.00000 | 575225.7 | 190482.4 | 0.0 | U/P |
| 17.956 | 1.5854 | 0.0000 | 87.555 | 4.19338 | 0.00000 | 575352.5 | 190817.9 | 0.0 | U/P |
| 17.978 | 1.5850 | 0.0000 | 87.552 | 4.19240 | 0.00000 | 575479.3 | 191153.3 | 0.0 | U/P |
| 18.000 | 1.5848 | 0.0000 | 87.549 | 4.19143 | 0.00000 | 575606.1 | 191488.7 | 0.0 | U/P |
| 18.022 | \$.5799 | 0.0000 | 87.547 | 4.19046 | 0.00000 | 575732.8 | 191824.0 | 0.0 | U/P |
| 18.044 | 1.5652 | 0.0000 | 87.544 | 4.18949 | 0.00000 | 575858.5 | 192159.2 | 0.0 | U/P |
| 18.067 | 1.5338 | 0.0000 | 87.541 | 4.18851 | 0.00000 | 575982.5 | 192494.3 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 11100 Year/ 24 Hour Routing

| Elapsed Time (hours) | Inflow Rate (ft3/s) | Outside Recharge (fu/day) | Stage Elevation (ft datum) | Infiltration Rate (f13/s) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{t}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 18.089 | 1.4896 | 0.0000 | 87.538 | 4.18751 | 0.00000 | 576103.4 | 192829.3 | 0.0 | U/P |
| 18.111 | 1.4420 | 0.0000 | 87.535 | 4.18651 | 0.00000 | 576220.7 | 193164.3 | 0.0 | U/P |
| 18.133 | 1.3978 | 0.0000 | 87.532 | 4.18548 | 0.00000 | 576334.3 | 193499.2 | 0.0 | U/P |
| 18.156 | 1.3607 | 0.0000 | 87.529 | 4.18444 | 0.00000 | 576444.6 | 193834.0 | 0.0 | U/P |
| 18.178 | 1.3341 | 0.0000 | 87.526 | 4.18339 | 0.00000 | 576552.4 | 194168.7 | 0.0 | U/P |
| 18.200 | 1.3155 | 0.0000 | 87.522 | 4.18233 | 0.00000 | 576658.4 | 194503.3 | 0.0 | U/P |
| 18.222 | 1.3022 | 0.0000 | 87.519 | 4.18125 | 0.00000 | 576763.1 | 194837.8 | 0.0 | U/P |
| 18.244 | 1.2924 | 0.0000 | 87.516 | 4.18018 | 0.00000 | 576866.9 | 195172.3 | 0.0 | U/P |
| 18.267 | 1.2854 | 0.0000 | 87.513 | 4.17910 | 0.00000 | 576970.0 | 195506.7 | 0.0 | U/P |
| 18.289 | 1.2803 | 0.0000 | 87.510 | 4.17802 | 0.00000 | 577072.6 | 195841.0 | 0.0 | U/P |
| 18.311 | 1.2767 | 0.0000 | 87.506 | 4.17693 | 0.00000 | 577174.9 | 196175.2 | 0.0 | U/P |
| 18.333 | 1.2740 | 0.0000 | 87.503 | 4.17585 | 0.00000 | 577276.9 | 196509.3 | 0.0 | U/P |
| 18.356 | 1.2721 | 0.0000 | 87.500 | 4.17476 | 0.00000 | 577378.8 | 196843.3 | 0.0 | U/P |
| 18.378 | 1.2708 | 0.0000 | 87.497 | 4.17368 | 0.00000 | 577480.5 | 197177.2 | 0.0 | U/P |
| 18.400 | 1.2698 | 0.0000 | 87.493 | 4.17259 | 0.00000 | 577582.1 | 197511.1 | 0.0 | U/P |
| 18.422 | 1.2690 | 0.0000 | 87.490 | 4.17150 | 0.00000 | 577683.7 | 197844.8 | 0.0 | U/P |
| 18.444 | 1.2685 | 0.0000 | 87.487 | 4.17042 | 0.00000 | 577785.2 | 198178.5 | 0.0 | U/P |
| 18.467 | 1.2681 | 0.0000 | 87.484 | 4.16933 | 0.00000 | 577886.6 | 198512.1 | 0.0 | U/P |
| 18.489 | 1.2678 | 0.0000 | 87.481 | 4.16824 | 0.00000 | 577988.1 | 198845.6 | 0.0 | U/P |
| 18.511 | 1.2692 | 0.0000 | 87.477 | 4.16715 | 0.00000 | 578089.6 | 199179.0 | 0.0 | U/P |
| 18.533 | 1.2770 | 0.0000 | 87.474 | 4.16607 | 0.00000 | 578191.4 | 199512.4 | 0.0 | U/P |
| 18.556 | 1.2971 | 0.0000 | 87.471 | 4.16498 | 0.00000 | 578294.4 | 199845.6 | 0.0 | U/P |
| 18.578 | 1.3326 | 0.0000 | 87.468 | 4.16391 | 0.00000 | 578399.6 | 200178.8 | 0.0 | U/P |
| 18.600 | 1.3778 | 0.0000 | 87.465 | 4.16285 | 0.00000 | 578508.0 | 200511.8 | 0.0 | U/P |
| 18.622 | 1.4243 | 0.0000 | 87.462 | 4.16180 | 0.00000 | 578620.1 | 200844.8 | 0.0 | U/P |
| 18.644 | 1.4663 | 0.0000 | 87.459 | 4.16077 | 0.00000 | 578735.7 | 201177.7 | 0.0 | U/P |
| 18.667 | 1.5000 | 0.0000 | 87.456 | 4.15976 | 0.00000 | 578854.3 | 201510.5 | 0.0 | U/P |
| 18.689 | 1.5240 | 0.0000 | 87.453 | 4.15876 | 0.00000 | 578975.3 | 201843.3 | 0.0 | U/P |
| 18.711 | 1.5409 | 0.0000 | 87.450 | 4.15777 | 0.00000 | 579097.9 | 202175.9 | 0.0 | U/P |
| 18.733 | 1.5531 | 0.0000 | 87.447 | 4.15679 | 0.00000 | 579221.6 | 202508.5 | 0.0 | U/P |
| 18.756 | 1.5621 | 0.0000 | 87.444 | 4.15581 | 0.00000 | 579346.3 | 202841.0 | 0.0 | U/P |
| 18.778 | 1.5684 | 0.0000 | 87.441 | 4.15483 | 0.00000 | 579471.5 | 203173.5 | 0.0 | U/P |
| 18.800 | 1.5731 | 0.0000 | 87.438 | 4.15386 | 0.00000 | 579597.1 | 203505.8 | 0.0 | U/P |
| 18.822 | 1.5764 | 0.0000 | 87.435 | 4.15289 | 0.00000 | 579723.1 | 203838.1 | 0.0 | U/P |
| 18.844 | 1.5788 | 0.0000 | 87.432 | 4.15192 | 0.00000 | 579849.3 | 204170.3 | 0.0 | U/P |
| 18.867 | 1.5805 | 0.0000 | 87.430 | 4.15095 | 0.00000 | 579975.7 | 204502.4 | 0.0 | U/P |
| 18.889 | 1.5818 | 0.0000 | 87.427 | 4.14998 | 0.00000 | 580102.2 | 204834.4 | 0.0 | U/P |
| 18.911 | 1.5827 | 0.0000 | 87.424 | 4.14902 | 0.00000 | 580228.8 | 205166.4 | 0.0 | U/P |
| 18.933 | 1.5833 | 0.0000 | 87.421 | 4.14805 | 0.00000 | 580355.4 | 205498.3 | 0.0 | U/P |
| 18.956 | 1.5838 | 0.0000 | 87.418 | 4.14708 | 0.00000 | 580482.1 | 205830.1 | 0.0 | U/P |
| 18.978 | 1.5842 | 0.0000 | 87.415 | 4.14612 | 0.00000 | 580608.8 | 206161.8 | 0.0 | U/P |
| 19.000 | 1.5845 | 0.0000 | 87.412 | 4.14515 | 0.00000 | 580735.6 | 206493.4 | 0.0 | U/P |
| 19.022 | 1.5785 | 0.0000 | 87.409 | 4.14419 | 0.00000 | 580862.1 | 206825.0 | 0.0 | U/P |
| 19.044 | 1.5563 | 0.0000 | 87.407 | 4.14322 | 0.00000 | 580987.5 | 207156.5 | 0.0 | U/P |
| 19.067 | 1.5056 | 0.0000 | 87.404 | 4.14224 | 0.00000 | 581109.9 | 207487.9 | 0.0 | U/P |
| 19.089 | 1.4264 | 0.0000 | 87.401 | 4.14124 | 0.00000 | 581227.3 | 207819.3 | 0.0 | U/P |
| 19.111 | 1.3338 | 0.0000 | 87.398 | 4.14021 | 0.00000 | 581337.6 | 208150.5 | 0.0 | U/P |
| 19.133 | 1.2430 | 0.0000 | 87.394 | 4.13916 | 0.00000 | 581440.7 | 208481.7 | 0.0 | U/P |
| 19.156 | 1.1637 | 0.0000 | 87.391 | 4.13806 | 0.00000 | 581536.9 | 208812.8 | 0.0 | U/P |
| 19.178 | 1.1029 | 0.0000 | 87.388 | 4.13694 | 0.00000 | 581627.6 | 209143.8 | 0.0 | U/P |
| 19.200 | 1.0601 | 0.0000 | 87.384 | 4.13580 | 0.00000 | 581714.1 | 209474.7 | 0.0 | U/P |
| 19.222 | 1.0297 | 0.0000 | 87.381 | 4.13464 | 0.00000 | 581797.8 | 209805.5 | 0.0 | U/P |
| 19.244 | 1.0075 | 0.0000 | 87.377 | 4.13346 | 0.00000 | 581879.3 | 210136.2 | 0.0 | U/P |
| 19.267 | 0.9915 | 0.0000 | 87.374 | 4.13228 | 0.00000 | 581959.2 | 210466.9 | 0.0 | U/P |
| 19.289 | 0.9799 | 0.0000 | 87.370 | 4.13110 | 0.00000 | 582038.1 | 210797.4 | 0.0 | U/P |
| 19.311 | 0.9716 | 0.0000 | 87.367 | 4.12990 | 0.00000 | 582116.1 | 211127.8 | 0.0 | U/P |
| 19.333 | 0.9656 | 0.0000 | 87.363 | 4.12871 | 0.00000 | 582193.6 | 211458.2 | 0.0 | U/P |
| 19.356 | 0.9613 | 0.0000 | 87.360 | 4.12751 | 0.00000 | 582270.7 | 211788.4 | 0.0 | U/P |
| 19.378 | 0.9582 | 0.0000 | 87.356 | 4.12631 | 0.00000 | 582347.4 | 212118.6 | 0.0 | U/P |
| 19.400 | 0.9559 | 0.0000 | 87.353 | 4.12511 | 0.00000 | 582424.0 | 212448.7 | 0.0 | U/P |
| 19.422 | 0.9543 | 0.0000 | 87.349 | 4.12391 | 0.00000 | 582500.4 | 212778.6 | 0.0 | U/P |
| 19.444 | 0.9531 | 0.0000 | 87.346 | 4.12271 | 0.00000 | 582576.8 | 213108.5 | 0.0 | U/P |
| 19.467 | 0.9522 | 0.0000 | 87.342 | 4.12151 | 0.00000 | 582652.9 | 213438.3 | 0.0 | U/P |
| 19.489 | 0.9515 | 0.0000 | 87.338 | 4.12031 | 0.00000 | 582729.1 | 213767.9 | 0.0 | U/P |
| 19.511 | 0.9511 | 0.0000 | 87.335 | 4.11911 | 0.00000 | 582805.2 | 214097.5 | 0.0 | U/P |
| 19.533 | 0.9563 | 0.0000 | 87.331 | 4.11791 | 0.00000 | 582881.5 | 214427.0 | 0.0 | U/P |
| 19.556 | 0.9734 | 0.0000 | 87.328 | 4.11671 | 0.00000 | 582958.7 | 214756.4 | 0.0 | U/P |
| 19.578 | 1.0103 | 0.0000 | 87.324 | 4.11552 | 0.00000 | 583038.0 | 215085.6 | 0.0 | U/P |
| 19.600 | 1.0627 | 0.0000 | 87.321 | 4.11434 | 0.00000 | 583120.9 | 215414.8 | 0.0 | U/P |
| 19.622 | 1.1196 | 0.0000 | 87.317 | 4.11318 | 0.00000 | 583208.3 | 215743.9 | 0.0 | U/P |
| 19.644 | 1.1728 | 0.0000 | 87.314 | 4.11204 | 0.00000 | 583299.9 | 216073.0 | 0.0 | U/P |
| 19.667 | 1.2177 | 0.0000 | 87.311 | 4.11092 | 0.00000 | 583395.6 | 216401.9 | 0.0 | U/P |
| 19.689 | 1.2501 | 0.0000 | 87.307 | 4.10982 | 0.00000 | 583494.3 | 216730.7 | 0.0 | U/P |
| 19.711 | 1.2728 | 0.0000 | 87.304 | 4.10873 | 0.00000 | 583595.2 | 217059.4 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 11100 Year / 24 Hour Routing

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (H/day) | Stage Elevation (ft datum) | Infiltration Rate (ft ${ }^{3 / \mathrm{s}}$ ) | Overlow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | $\begin{aligned} & \text { Cumulative } \\ & \text { Inflow } \\ & \text { Volume }\left(\mathrm{ft}^{3}\right) \end{aligned}$ | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 19.733 | 1.2890 | 0.0000 | 87.301 | 4.10766 | 0.00000 | 583697.6 | 217388.1 | 0.0 | U/P |
| 19.756 | 1.3010 | 0.0000 | 87.298 | 4.10658 | 0.00000 | 583801.3 | 217716.7 | 0.0 | U/P |
| 19.778 | 1.3095 | 0.0000 | 87.295 | 4.10551 | 0.00000 | 583905.7 | 218045.1 | 0.0 | U/P |
| 19.800 | 1.3157 | 0.0000 | 87.292 | 4.10445 | 0.00000 | 584010.7 | 218373.5 | 0.0 | U/P |
| 19.822 | 1.3202 | 0.0000 | 87.288 | 4.10339 | 0.00000 | 584116.1 | 218701.9 | 0.0 | U/P |
| 19.844 | 1.3233 | 0.0000 | 87.285 | 4.10233 | 0.00000 | 584221.9 | 219030.1 | 0.0 | U/P |
| 19.867 | 1.3257 | 0.0000 | 87.282 | 4.10127 | 0.00000 | 584327.8 | 219358.2 | 0.0 | U/P |
| 19.889 | 1.3273 | 0.0000 | 87.279 | 4.10021 | 0.00000 | 584433.9 | 219686.3 | 0.0 | U/P |
| 19.911 | 1.3286 | 0.0000 | 87.276 | 4.09915 | 0.00000 | 584540.2 | 220014.3 | 0.0 | U/P |
| 19.933 | 1.3294 | 0.0000 | 87.273 | 4.09810 | 0.00000 | 584646.5 | 220342.2 | 0.0 | U/P |
| 19.956 | 1.3301 | 0.0000 | 87.270 | 4.09704 | 0.00000 | 584752.9 | 220670.0 | 0.0 | U/P |
| 19.978 | 1.3306 | 0.0000 | 87.267 | 4.09599 | 0.00000 | 584859.3 | 220997.7 | 0.0 | U/P |
| 20.000 | 1.3272 | 0.0000 | 87.263 | 4.09493 | 0.00000 | 584965.6 | 221325.3 | 0.0 | U/P |
| 20.022 | 1.3090 | 0.0000 | 87.260 | 4.09387 | 0.00000 | 585071.1 | 221652.9 | 0.0 | U/P |
| 20.044 | 1.2636 | 0.0000 | 87.257 | 4.09281 | 0.00000 | 585173.9 | 221980.3 | 0.0 | U/P |
| 20.067 | 1.1844 | 0.0000 | 87.254 | 4.09172 | 0.00000 | 585271.9 | 222307.7 | 0.0 | U/P |
| 20.089 | 1.0845 | 0.0000 | 87.251 | 4.09061 | 0.00000 | 585362.6 | 222635.0 | 0.0 | U/P |
| 20.111 | 0.9826 | 0.0000 | 87.247 | 4.08946 | 0.00000 | 585445.3 | 222962.2 | 0.0 | U/P |
| 20.133 | 0.8910 | 0.0000 | 87.243 | 4.08828 | 0.00000 | 585520.3 | 223289.3 | 0.0 | U/P |
| 20.156 | 0.8178 | 0.0000 | 87.240 | 4.08706 | 0.00000 | 585588.6 | 223616.3 | 0.0 | U/P |
| 20.178 | 0.7656 | 0.0000 | 87.236 | 4.08581 | 0.00000 | 585651.9 | 223943.3 | 0.0 | U/P |
| 20.200 | 0.7290 | 0.0000 | 87.232 | 4.08454 | 0.00000 | 585711.8 | 224270.1 | 0.0 | U/P |
| 20.222 | 0.7025 | 0.0000 | 87.228 | 4.08326 | 0.00000 | 585769.0 | 224596.8 | 0.0 | U/P |
| 20.244 | 0.6831 | 0.0000 | 87.225 | 4.08196 | 0.00000 | 585824.4 | 224923.4 | 0.0 | U/P |
| 20.267 | 0.6692 | 0.0000 | 87.221 | 4.08066 | 0.00000 | 585878.5 | 225249.9 | 0.0 | U/P |
| 20.289 | 0.6591 | 0.0000 | 87.217 | 4.07936 | 0.00000 | 585931.6 | 225576.3 | 0.0 | U/P |
| 20.311 | 0.6519 | 0.0000 | 87.213 | 4.07805 | 0.00000 | 585984.1 | 225902.6 | 0.0 | U/P |
| 20.333 | 0.6467 | 0.0000 | 87.209 | 4.07674 | 0.00000 | 586036.0 | 226228.8 | 0.0 | U/P |
| 20.356 | 0.6430 | 0.0000 | 87.205 | 4.07542 | 0.00000 | 586087.6 | 226554.9 | 0.0 | U/P |
| 20.378 | 0.6402 | 0.0000 | 87.201 | 4.07410 | 0.00000 | 586138.9 | 226880.9 | 0.0 | U/P |
| 20.400 | 0.6383 | 0.0000 | 87.197 | 4.07279 | 0.00000 | 586190.1 | 227206.7 | 0.0 | U/P |
| 20.422 | 0.6369 | 0.0000 | 87.194 | 4.07147 | 0.00000 | 586241.1 | 227532.5 | 0.0 | U/P |
| 20.444 | 0.6358 | 0.0000 | 87.190 | 4.07015 | 0.00000 | 586292.0 | 227858.2 | 0.0 | U/P |
| 20.467 | 0.6350 | 0.0000 | 87.186 | 4.06883 | 0.00000 | 586342.8 | 228183.7 | 0.0 | U/P |
| 20.489 | 0.6344 | 0.0000 | 87.182 | 4.06751 | 0.00000 | 586393.6 | 228509.2 | 0.0 | U/P |
| 20.511 | 0.6373 | 0.0000 | 87.178 | 4.06620 | 0.00000 | 586444.4 | 228834.5 | 0.0 | U/P |
| 20.533 | 0.6487 | 0.0000 | 87.174 | 4.06488 | 0.00000 | 586495.9 | 229159.8 | 0.0 | U/P |
| 20.556 | 0.6747 | 0.0000 | 87.170 | 4.06357 | 0.00000 | 586548.8 | 229484.9 | 0.0 | U/P |
| 20.578 | 0.7148 | 0.0000 | 87.166 | 4.06226 | 0.00000 | 586604.4 | 229809.9 | 0.0 | U/P |
| 20.600 | 0.7612 | 0.0000 | 87.162 | 4.06098 | 0.00000 | 586663.4 | 230134.9 | 0.0 | U/P |
| 20.622 | 0.8065 | 0.0000 | 87.159 | 4.05971 | 0.00000 | 586726.2 | 230459.7 | 0.0 | U/P |
| 20.644 | 0.8458 | 0.0000 | 87.155 | 4.05845 | 0.00000 | 586792.3 | 230784.4 | 0.0 | U/P |
| 20.667 | 0.8757 | 0.0000 | 87.151 | 4.05722 | 0.00000 | 586861.1 | 231109.0 | 0.0 | U/P |
| 20.689 | 0.8969 | 0.0000 | 87.148 | 4.05599 | 0.00000 | 586932.1 | 231433.6 | 0.0 | U/P |
| 20.711 | 0.9118 | 0.0000 | 87.144 | 4.05477 | 0.00000 | 587004.4 | 231758.0 | 0.0 | U/P |
| 20.733 | 0.9228 | 0.0000 | 87.141 | 4.05356 | 0.00000 | 587077.8 | 232082.3 | 0.0 | U/P |
| 20.756 | 0.9307 | 0.0000 | 87.137 | 4.05235 | 0.00000 | 587151.9 | 232406.6 | 0.0 | U/P |
| 20.778 | 0.9364 | 0.0000 | 87.133 | 4.05115 | 0.00000 | 587226.6 | 232730.7 | 0.0 | U/P |
| 20.800 | 0.9405 | 0.0000 | 87.130 | 4.04995 | 0.00000 | 587301.6 | 233054.8 | 0.0 | U/P |
| 20.822 | 0.9434 | 0.0000 | 87.126 | 4.04875 | 0.00000 | 587377.0 | 233378.7 | 0.0 | U/P |
| 20.844 | 0.9455 | 0.0000 | 87.123 | 4.04755 | 0.00000 | 587452.6 | 233702.6 | 0.0 | U/P |
| 20.867 | 0.9471 | 0.0000 | 87.119 | 4.04635 | 0.00000 | 587528.3 | 234026.3 | 0.0 | U/P |
| 20.889 | 0.9482 | 0.0000 | 87.116 | 4.04515 | 0.00000 | 587604.1 | 234350.0 | 0.0 | U/P |
| 20.911 | 0.9490 | 0.0000 | 87.112 | 4.04396 | 0.00000 | 587680.0 | 234673.5 | 0.0 | U/P |
| 20.933 | 0.9496 | 0.0000 | 87.109 | 4.04276 | 0.00000 | 587755.9 | 234997.0 | 0.0 | U/P |
| 20.956 | 0.9500 | 0.0000 | 87.105 | 4.04157 | 0.00000 | 587831.9 | 235320.4 | 0.0 | U/P |
| 20.978 | 0.9504 | 0.0000 | 87.102 | 4.04037 | 0.00000 | 587907.9 | 235643.7 | 0.0 | U/P |
| 21.000 | 0.9506 | 0.0000 | 87.098 | 4.03918 | 0.00000 | 587983.9 | 235966.8 | 0.0 | U/P |
| 21.022 | 0.9460 | 0.0000 | 87.094 | 4.03798 | 0.00000 | 588059.8 | 236289.9 | 0.0 | U/P |
| 21.044 | 0.9313 | 0.0000 | 87.091 | 4.03678 | 0.00000 | 588134.9 | 236612.9 | 0.0 | U/P |
| 21.067 | 0.8999 | 0.0000 | 87.087 | 4.03558 | 0.00000 | 588208.1 | 236935.8 | 0.0 | U/P |
| 21.089 | 0.8558 | 0.0000 | 87.084 | 4.03436 | 0.00000 | 588278.4 | 237258.6 | 0.0 | U/P |
| 21.111 | 0.8083 | 0.0000 | 87.080 | 4.03313 | 0.00000 | 588344.9 | 237581.3 | 0.0 | U/P |
| 21.133 | 0.7641 | 0.0000 | 87.076 | 4.03188 | 0.00000 | 588407.8 | 237903.9 | 0.0 | U/P |
| 21.156 | 0.7270 | 0.0000 | 87.073 | 4.03062 | 0.00000 | 588467.5 | 238226.4 | 0.0 0.0 | U/P |
| 21.178 | 0.7004 | 0.0000 | 87.069 | 4.02934 | 0.00000 | 588524.6 | 238548.8 | 0.0 | U/P |
| 21.200 | 0.6819 | 0.0000 | 87.065 | 4.02805 | 0.00000 | 588579.9 | 238871.1 | 0.0 | U/P |
| 21.222 | 0.6686 | 0.0000 | 87.061 | 4.02675 | 0.00000 | 588633.9 | 239193.3 | 0.0 | U/P |
| 21.244 | 0.6588 | 0.0000 | 87.057 | 4.02545 | 0.00000 | 588687.0 | 239515.4 | 0.0 | U/P |
| 21.267 | 0.6518 | 0.0000 | 87.053 | 4.02414 | 0.00000 | 588739.4 | 239837.4 | 0.0 | U/P |
| 21.289 | 0.6467 | 0.0000 | 87.049 | 4.02283 | 0.00000 | 588791.4 | 240159.3 | 0.0 0.0 | U/P |
| 21.311 | 0.6431 | 0.0000 | 87.046 | 4.02152 | 0.00000 | 588842.9 | 240481.0 | 0.0 0.0 | U/P |
| 21.333 | 0.6404 | 0.0000 | 87.042 | 4.02021 | 0.00000 | 588894.3 | 240802.7 | 0.0 | U/P |
| 21.356 | 0.6385 | 0.0000 | 87.038 | 4.01889 | 0.00000 | 588945.4 | 241124.3 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 11100 Year / 24 Hour Routing

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{H}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation ( 11 datum) | Infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{H}^{3} / \mathrm{s}$ ) | $\begin{aligned} & \text { Cumulative } \\ & \text { Inflow } \\ & \text { Volume }\left(\mathrm{ft}^{3}\right) \end{aligned}$ | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 21.378 | 0.6372 | 0.0000 | 87.034 | 4.01758 | 0.00000 | 588996.4 | 241445.7 | 0.0 | U/P |
| 21.400 | 0.6362 | 0.0000 | 87.030 | 4.01626 | 0.00000 | 589047.4 | 241767.1 | 0.0 | U/P |
| 21.422 | 0.6355 | 0.0000 | 87.026 | 4.01495 | 0.00000 | 589098.3 | 242088.3 | 0.0 | U/P |
| 21.444 | 0.6349 | 0.0000 | 87.022 | 4.01363 | 0.00000 | 589149.1 | 242409.5 | 0.0 | U/P |
| 21.467 | 0.6345 | 0.0000 | 87.018 | 4.01232 | 0.00000 | 589199.9 | 242730.5 | 0.0 | U/P |
| 21.489 | 0.6342 | 0.0000 | 87.014 | 4.01100 | 0.00000 | 589250.6 | 243051.4 | 0.0 | U/P |
| 21.511 | 0.6371 | 0.0000 | 87.010 | 4.00969 | 0.00000 | 589301.4 | 243372.3 | 0.0 | U/P |
| 21.533 | 0.6529 | 0.0000 | 87.007 | 4.00837 | 0.00000 | 589353.1 | 243693.0 | 0.0 | U/P |
| 21.556 | 0.6930 | 0.0000 | 87.003 | 4.00707 | 0.00000 | 589406.9 | 244013.6 | 0.0 | U/P |
| 21.578 | 0.7639 | 0.0000 | 86.999 | 4.00578 | 0.00000 | 589465.2 | 244334.1 | 0.0 | U/P |
| 21.600 | 0.8543 | 0.0000 | 86.995 | 4.00452 | 0.00000 | 589529.9 | 244654.5 | 0.0 | U/P |
| 21.622 | 0.9472 | 0.0000 | 86.992 | 4.00330 | 0.00000 | 589601.9 | 244974.8 | 0.0 | U/P |
| 21.644 | 1.0310 | 0.0000 | 86.988 | 4.00211 | 0.00000 | 589681.1 | 245295.0 | 0.0 | U/P |
| 21.667 | 1.0984 | 0.0000 | 86.985 | 4.00096 | 0.00000 | 589766.3 | 245615.2 | 0.0 | U/P |
| 21.689 | 1.1464 | 0.0000 | 86.981 | 3.99983 | 0.00000 | 589856.1 | 245935.2 | 0.0 | U/P |
| 21.711 | 1.1801 | 0.0000 | 86.978 | 3.99872 | 0.00000 | 589949.1 | 246255.1 | 0.0 | U/P |
| 21.733 | 1.2045 | 0.0000 | 86.975 | 3.99762 | 0.00000 | 590044.5 | 246575.0 | 0.0 | U/P |
| 21.756 | 1.2224 | 0.0000 | 86.972 | 3.99653 | 0.00000 | 590141.6 | 246894.8 | 0.0 | U/P |
| 21.778 | 1.2351 | 0.0000 | 86.968 | 3.99545 | 0.00000 | 590239.9 | 247214.4 | 0.0 | U/P |
| 21.800 | 1.2444 | 0.0000 | 86.965 | 3.99438 | 0.00000 | 590339.1 | 247534.0 | 0.0 | U/P |
| 21.822 | 1.2510 | 0.0000 | 86.962 | 3.99331 | 0.00000 | 590438.9 | 247853.5 | 0.0 | U/P |
| 21.844 | 1.2558 | 0.0000 | 86.959 | 3.99224 | 0.00000 | 590539.1 | 248173.0 | 0.0 | U/P |
| 21.867 | 1.2592 | 0.0000 | 86.956 | 3.99118 | 0.00000 | 590639.8 | 248492.3 | 0.0 | U/P |
| 21.889 | 1.2618 | 0.0000 | 86.953 | 3.99011 | 0.00000 | 590740.6 | 248811.5 | 0.0 | U/P |
| 21.911 | 1.2636 | 0.0000 | 86.949 | 3.98905 | 0.00000 | 590841.6 | 249130.7 | 0.0 | U/P |
| 21.933 | 1.2649 | 0.0000 | 86.946 | 3.98799 | 0.00000 | 590942.8 | 249449.8 | 0.0 | U/P |
| 21.956 | 1.2658 | 0.0000 | 86.943 | 3.98693 | 0.00000 | 591043.9 | 249768.8 | 0.0 | U/P |
| 21.978 | 1.2666 | 0.0000 | 86.940 | 3.98587 | 0.00000 | 591145.3 | 250087.7 | 0.0 | U/P |
| 22.000 | 1.2671 | 0.0000 | 86.937 | 3.98481 | 0.00000 | 591246.6 | 250406.5 | 0.0 | U/P |
| 22.022 | 1.2613 | 0.0000 | 86.934 | 3.98375 | 0.00000 | 591347.8 | 250725.3 | 0.0 | U/P |
| 22.044 | 1.2392 | 0.0000 | 86.930 | 3.98268 | 0.00000 | 591447.8 | 251043.9 | 0.0 | U/P |
| 22.067 | 1.1885 | 0.0000 | 86.927 | 3.98161 | 0.00000 | 591544.9 | 251362.5 | 0.0 | U/P |
| 22.089 | 1.1094 | 0.0000 | 86.924 | 3.98052 | 0.00000 | 591636.8 | 251681.0 | 0.0 | U/P |
| 22.111 | 1.0168 | 0.0000 | 86.921 | 3.97940 | 0.00000 | 591721.8 | 251999.4 | 0.0 | U/P |
| 22.133 | 0.9260 | 0.0000 | 86.917 | 3.97824 | 0.00000 | 591799.6 | 252317.7 | 0.0 | U/P |
| 22.156 | 0.8468 | 0.0000 | 86.913 | 3.97705 | 0.00000 | 591870.4 | 252635.9 | 0.0 | U/P |
| 22.178 | 0.7861 | 0.0000 | 86.910 | 3.97583 | 0.00000 | 591935.8 | 252954.0 | 0.0 | U/P |
| 22.200 | 0.7432 | 0.0000 | 86.906 | 3.97458 | 0.00000 | 591996.9 | 253272.0 | 0.0 | U/P |
| 22.222 | 0.7129 | 0.0000 | 86.902 | 3.97332 | 0.00000 | 592055.2 | 253590.0 | 0.0 | U/P |
| 22.244 | 0.6907 | 0.0000 | 86.898 | 3.97205 | 0.00000 | 592111.3 | 253907.8 | 0.0 | U/P |
| 22.267 | 0.6747 | 0.0000 | 86.895 | 3.97076 | 0.00000 | 592165.9 | 254225.5 | 0.0 | U/P |
| 22.289 | 0.6631 | 0.0000 | 86.891 | 3.96947 | 0.00000 | 592219.4 | 254543.1 | 0.0 | U/P |
| 22.311 | 0.6548 | 0.0000 | 86.887 | 3.96818 | 0.00000 | 592272.2 | 254860.6 | 0.0 | U/P |
| 22.333 | 0.6488 | 0.0000 | 86.883 | 3.96688 | 0.00000 | 592324.3 | 255178.0 | 0.0 | U/P |
| 22.356 | 0.6445 | 0.0000 | 86.879 | 3.96558 | 0.00000 | 592376.1 | 255495.3 | 0.0 | U/P |
| 22.378 | 0.6414 | 0.0000 | 86.875 | 3.96428 | 0.00000 | 592427.5 | 255812.5 | 0.0 | U/P |
| 22.400 | 0.6391 | 0.0000 | 86.871 | 3.96298 | 0.00000 | 592478.7 | 256129.6 | 0.0 | U/P |
| 22.422 | 0.6375 | 0.0000 | 86.867 | 3.96168 | 0.00000 | 592529.8 | 256446.6 | 0.0 | U/P |
| 22.444 | 0.6363 | 0.0000 | 86.864 | 3.96037 | 0.00000 | 592580.7 | 256763.5 | 0.0 | U/P |
| 22.467 | 0.6354 | 0.0000 | 86.860 | 3.95907 | 0.00000 | 592631.6 | 257080.2 | 0.0 | U/P |
| 22.489 | 0.6347 | 0.0000 | 86.856 | 3.95776 | 0.00000 | 592682.4 | 257396.9 | 0.0 | U/P |
| 22.511 | 0.6343 | 0.0000 | 86.852 | 3.95646 | 0.00000 | 592733.1 | 257713.5 | 0.0 | U/P |
| 22.533 | 0.6393 | 0.0000 | 86.848 | 3.95515 | 0.00000 | 592784.1 | 258029.9 | 0.0 | U/P |
| 22.556 | 0.6557 | 0.0000 | 86.844 | 3.95385 | 0.00000 | 592835.9 | 258346.3 | 0.0 | U/P |
| 22.578 | 0.6910 | 0.0000 | 86.840 | 3.95256 | 0.00000 | 592889.8 | 258662.5 | 0.0 | U/P |
| 22.600 | 0.7412 | 0.0000 | 86.837 | 3.95128 | 0.00000 | 592947.1 | 258978.7 | 0.0 | U/P |
| 22.622 | 0.7956 | 0.0000 | 86.833 | 3.95002 | 0.00000 | 593008.5 | 259294.8 | 0.0 | U/P |
| 22.644 | 0.8466 | 0.0000 | 86.829 | 3.94877 | 0.00000 | 593074.2 | 259610.7 | 0.0 | U/P |
| 22.667 | 0.8895 | 0.0000 | 86.826 | 3.94755 | 0.00000 | 593143.6 | 259926.6 | 0.0 | U/P |
| 22.689 | 0.9206 | 0.0000 | 86.822 | 3.94635 | 0.00000 | 593216.1 | 260242.3 | 0.0 | U/P |
| 22.711 | 0.9423 | 0.0000 | 86.818 | 3.94516 | 0.00000 | 593290.6 | 260558.0 | 0.0 | U/P |
| 22.733 | 0.9578 | 0.0000 | 86.815 | 3.94397 | 0.00000 | 593366.6 | 260873.5 | 0.0 | U/P |
| 22.756 | 0.9693 | 0.0000 | 86.811 | 3.94280 | 0.00000 | 593443.6 | 261189.0 | 0.0 | U/P |
| 22.778 | 0.9774 | 0.0000 | 86.808 | 3.94162 | 0.00000 | 593521.5 | 261504.4 | 0.0 | U/P |
| 22.800 | 0.9834 | 0.0000 | 86.804 | 3.94045 | 0.00000 | 593599.9 | 261819.7 | 0.0 | U/P |
| 22.822 | 0.9876 | 0.0000 | 86.801 | 3.93929 | 0.00000 | 593678.8 | 262134.9 | 0.0 | U/P |
| 22.844 | 0.9907 | 0.0000 | 86.798 | 3.93812 | 0.00000 | 593757.9 | 262450.0 | 0.0 | U/P |
| 22.867 | 0.9929 | 0.0000 | 86.794 | 3.93696 | 0.00000 | 593837.3 | 262765.0 | 0.0 | U/P |
| 22.889 | 0.9945 | 0.0000 | 86.791 | 3.93580 | 0.00000 | 593916.8 | 263079.9 | 0.0 | U/P |
| 22.911 | 0.9957 | 0.0000 | 86.787 | 3.93464 | 0.00000 | 593996.4 | 263394.7 | 0.0 | U/P |
| 22.933 | 0.9965 | 0.0000 | 86.784 | 3.93348 | 0.00000 | 594076.1 | 263709.4 | 0.0 | U/P |
| 22.956 | 0.9971 | 0.0000 | 86.780 | 3.93232 | 0.00000 | 594155.8 | 264024.0 | 0.0 | U/P |
| 22.978 | 0.9976 | 0.0000 | 86.777 | 3.93116 | 0.00000 | 594235.6 | 264338.6 | 0.0 | U/P |
| 23.000 | 0.9943 | 0.0000 | 86.773 | 3.93000 | 0.00000 | 594315.3 | 264653.0 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 11100 Year $/ 24$ Hour Routing

| Elapsed Time (hours) | inflow <br> Rate <br> ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{\mathrm{T}} / \mathrm{s}$ ) | Overtiow <br> Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{fl}^{3}$ ) | Cumulative infistration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 23.022 | 0.9766 | 0.0000 | 86.770 | 3.92883 | 0.00000 | 594394.1 | 264967.4 | 0.0 | U/P |
| 23.044 | 0.9322 | 0.0000 | 86.766 | 3.92766 | 0.00000 | 594470.4 | 265281.7 | 0.0 | U/P |
| 23.067 | 0.8548 | 0.0000 | 86.763 | 3.92648 | 0.00000 | 594541.9 | 265595.8 | 0.0 | U/P |
| 23.089 | 0.7573 | 0.0000 | 86.759 | 3.92526 | 0.00000 | 594606.4 | 265909.9 | 0.0 | U/P |
| 23.111 | 0.6577 | 0.0000 | 86.755 | 3.92400 | 0.00000 | 594663.0 | 266223.8 | 0.0 | U/P |
| 23.133 | 0.5683 | 0.0000 | 86.751 | 3.92271 | 0.00000 | 594712.1 | 266537.7 | 0.0 | U/P |
| 23.156 | 0.4967 | 0.0000 | 86.747 | 3.92138 | 0.00000 | 594754.7 | 266851.5 | 0.0 | U/P |
| 23.178 | 0.4458 | 0.0000 | 86.743 | 3.92003 | 0.00000 | 594792.4 | 267165.2 | 0.0 | U/P |
| 23.200 | 0.4100 | 0.0000 | 86.739 | 3.91865 | 0.00000 | 594826.6 | 267478.7 | 0.0 | U/P |
| 23.222 | 0.3841 | 0.0000 | 86.735 | 3.91726 | 0.00000 | 594858.4 | 267792.1 | 0.0 | U/P |
| 23.244 | 0.3651 | 0.0000 | 86.731 | 3.91586 | 0.00000 | 594888.3 | 268105.4 | 0.0 | U/P |
| 23.267 | 0.3516 | 0.0000 | 86.727 | 3.91445 | 0.00000 | 594917.0 | 268418.7 | 0.0 | U/P |
| 23.289 | 0.3418 | 0.0000 | 86.722 | 3.91304 | 0.00000 | 594944.8 | 268731.8 | 0.0 | U/P |
| 23.311 | 0.3347 | 0.0000 | 86.718 | 3.91162 | 0.00000 | 594971.8 | 269044.8 | 0.0 | U/P |
| 23.333 | 0.3296 | 0.0000 | 86.714 | 3.91020 | 0.00000 | 594998.4 | 269357.6 | 0.0 | U/P |
| 23.356 | 0.3260 | 0.0000 | 86.710 | 3.90878 | 0.00000 | 595024.6 | 269670.4 | 0.0 | U/P |
| 23.378 | 0.3233 | 0.0000 | 86.705 | 3.90735 | 0.00000 | 595050.6 | 269983.0 | 0.0 | U/P |
| 23.400 | 0.3214 | 0.0000 | 86.701 | 3.90593 | 0.00000 | 595076.3 | 270295.6 | 0.0 | U/P |
| 23.422 | 0.3200 | 0.0000 | 86.697 | 3.90450 | 0.00000 | 595102.0 | 270608.0 | 0.0 | U/P |
| 23.444 | 0.3190 | 0.0000 | 86.693 | 3.90308 | 0.00000 | 595127.6 | 270920.3 | 0.0 | U/P |
| 23.467 | 0.3182 | 0.0000 | 86.688 | 3.90165 | 0.00000 | 595153.1 | 271232.5 | 0.0 | U/P |
| 23.489 | 0.3176 | 0.0000 | 86.684 | 3.90022 | 0.00000 | 595178.4 | 271544.5 | 0.0 | U/P |
| 23.511 | 0.3173 | 0.0000 | 86.680 | 3.89879 | 0.00000 | 595203.9 | 271856.5 | 0.0 | U/P |
| 23.533 | 0.3171 | 0.0000 | 86.676 | 3.89737 | 0.00000 | 595229.3 | 272168.3 | 0.0 | U/P |
| 23.556 | 0.3171 | 0.0000 | 86.671 | 3.89594 | 0.00000 | 595254.6 | 272480.1 | 0.0 | U/P |
| 23.578 | 0.3171 | 0.0000 | 86.667 | 3.89451 | 0.00000 | 595280.0 | 272791.7 | 0.0 | U/P |
| 23.600 | 0.3170 | 0.0000 | 86.663 | 3.89308 | 0.00000 | 595305.3 | 273103.2 | 0.0 | U/P |
| 23.622 | 0.3170 | 0.0000 | 86.659 | 3.89166 | 0.00000 | 595330.7 | 273444.6 | 0.0 | U/P |
| 23.644 | 0.3169 | 0.0000 | 86.654 | 3.89023 | 0.00000 | 595356.1 | 273725.9 | 0.0 | U/P |
| 23.667 | 0.3169 | 0.0000 | 86.650 | 3.88880 | 0.00000 | 595381.4 | 274037.0 | 0.0 | U/P |
| 23.689 | 0.3169 | 0.0000 | 86.646 | 3.88738 | 0.00000 | 595406.8 | 274348.1 | 0.0 | U/P |
| 23.711 | 0.3168 | 0.0000 | 86.642 | 3.88595 | 0.00000 | 595432.1 | 274659.0 | 0.0 | U/P |
| 23.733 | 0.3168 | 0.0000 | 86.637 | 3.88452 | 0.00000 | 595457.4 | 274969.8 | 0.0 | U/P |
| 23.756 | 0.3168 | 0.0000 | 86.633 | 3.88309 | 0.00000 | 595482.8 | 275280.5 | 0.0 | U/P |
| 23.778 | 0.3168 | 0.0000 | 86.629 | 3.88167 | 0.00000 | 595508.1 | 275591.1 | 0.0 | U/P |
| 23.800 | 0.3168 | 0.0000 | 86.625 | 3.88024 | 0.00000 | 595533.5 | 275901.6 | 0.0 | U/P |
| 23.822 | 0.3168 | 0.0000 | 86.620 | 3.87881 | 0.00000 | 595558.8 | 276212.0 | 0.0 | U/P |
| 23.844 | 0.3168 | 0.0000 | 86.616 | 3.87738 | 0.00000 | 595584.2 | 276522.2 | 0.0 | U/P |
| 23.867 | 0.3168 | 0.0000 | 86.612 | 3.87596 | 0.00000 | 595609.5 | 276832.3 | 0.0 | U/P |
| 23.889 | 0.3168 | 0.0000 | 86.608 | 3.87453 | 0.00000 | 595634.9 | 277142.4 | 0.0 | U/P |
| 23.911 | 0.3168 | 0.0000 | 86.603 | 3.87310 | 0.00000 | 595660.2 | 277452.3 | 0.0 | U/P |
| 23.933 | 0.3168 | 0.0000 | 86.599 | 3.87168 | 0.00000 | 595685.6 | 277762.1 | 0.0 | U/P |
| 23.956 | 0.3168 | 0.0000 | 86.595 | 3.87025 | 0.00000 | 595710.9 | 278071.8 | 0.0 | U/P |
| 23.978 | 0.3168 | 0.0000 | 86.591 | 3.86882 | 0.00000 | 595736.3 | 278381.3 | 0.0 | U/P |
| 24.000 | 0.3168 | 0.0000 | 86.586 | 3.86740 | 0.00000 | 595761.6 | 278690.8 | 0.0 | U/P |
| 24.022 | 0.3121 | 0.0000 | 86.582 | 3.86597 | 0.00000 | 595786.8 | 279000.1 | 0.0 | U/P |
| 24.044 | 0.2973 | 0.0000 | 86.578 | 3.86454 | 0.00000 | 595811.1 | 279309.3 | 0.0 | U/P |
| 24.067 | 0.2660 | 0.0000 | 86.574 | 3.86310 | 0.00000 | 595833.6 | 279618.4 | 0.0 | U/P |
| 24.089 | 0.2218 | 0.0000 | 86.569 | 3.86166 | 0.00000 | 595853.2 | 279927.4 | 0.0 | U/P |
| 24.111 | 0.1743 | 0.0000 | 86.565 | 3.86019 | 0.00000 | 595869.0 | 280236.3 | 0.0 | U/P |
| 24.133 | 0.1301 | 0.0000 | 86.560 | 3.85871 | 0.00000 | 595881.2 | 280545.0 | 0.0 | U/P |
| 24.156 | 0.0931 | 0.0000 | 86.556 | 3.85721 | 0.00000 | 595890.1 | 280853.7 | 0.0 | U/P |
| 24.178 | 0.0665 | 0.0000 | 86.551 | 3.85569 | 0.00000 | 595896.5 | 281162.2 | 0.0 | U/P |
| 24.200 | 0.0480 | 0.0000 | 86.547 | 3.85417 | 0.00000 | 595901.1 | 281470.6 | 0.0 | U/P |
| 24.222 | 0.0347 | 0.0000 | 86.542 | 3.85263 | 0.00000 | 595904.4 | 281778.8 | 0.0 | U/P |
| 24.244 | 0.0248 | 0.0000 | 86.538 | 3.85109 | 0.00000 | 595906.8 | 282087.0 | 0.0 | U/P |
| 24.267 | 0.0179 | 0.0000 | 86.533 | 3.84955 | 0.00000 | 595908.4 | 282395.0 | 0.0 | U/P |
| 24.289 | 0.0128 | 0.0000 | 86.528 | 3.84800 | 0.00000 | 595909.7 | 282702.9 | 0.0 | U/P |
| 24.311 | 0.0091 | 0.0000 | 86.524 | 3.84645 | 0.00000 | 595910.6 | 283010.7 | 0.0 | U/P |
| 24.333 | 0.0065 | 0.0000 | 86.519 | 3.84490 | 0.00000 | 595911.2 | 283318.4 | 0.0 | U/P |
| 24.356 | 0.0046 | 0.0000 | 86.515 | 3.84335 | 0.00000 | 595911.6 | 283625.9 | 0.0 | U/P |
| 24.378 | 0.0032 | 0.0000 | 86.510 | 3.84180 | 0.00000 | 595911.9 | 283933.3 | 0.0 | U/P |
| 24.400 | 0.0022 | 0.0000 | 86.505 | 3.84025 | 0.00000 | 595912.2 | 284240.6 | 0.0 | U/P |
| 24.422 | 0.0015 | 0.0000 | 86.501 | 3.83869 | 0.00000 | 585912.3 | 284547.8 | 0.0 | U/P |
| 24.444 | 0.0010 | 0.0000 | 86.496 | 3.83714 | 0.00000 | 595912.4 | 284854.8 | 0.0 | U/P |
| 24.467 | 0.0006 | 0.0000 | 86.491 | 3.83559 | 0.00000 | 595912.5 | 285161.7 | 0.0 | U/P |
| 24.489 | 0.0003 | 0.0000 | 86.487 | 3.83403 | 0.00000 | 595912.5 | 285468.5 | 0.0 | U/P |
| 24.511 | 0.0001 | 0.0000 | 86.482 | 3.83248 | 0.00000 | 595912.5 | 285775.1 | 0.0 | U/P |
| 24.533 | 0.0000 | 0.0000 | 86.477 | 3.83092 | 0.00000 | 595912.5 | 286081.7 | 0.0 | U/P |
| 24.556 | 0.0000 | 0.0000 | 86.473 | 3.82937 | 0.00000 | 595912.5 | 286388.1 | 0.0 | U/P |
| 24.578 | 0.0000 | 0.0000 | 86.468 | 3.82816 | 0.00000 | 595912.5 | 286694.3 | 0.0 | U/P |
| 192.578 | 0.0000 | 0.0000 | 70.049 | 0.18592 | 0.00000 | 595912.5 | 595912.5 | 0.0 | U/S |
| 288.578 | 0.0000 | 0.0000 | 67.414 | 0.00000 | 0.00000 | 595912.5 | 595912.5 | 0.0 | S |
| 360.578 | 0.0000 | 0.0000 | 66.430 | ---- | -...* | 595912.5 | 595912.5 | 0.0 | N.A. |

# PONDS Routing and Recovery Analysis 

## Buildout Results

Pond 12<br>100-year / 24-Hour Storm<br>Input Report<br>Summary of Results<br>Detailed Results

(Pond dry at Hour 360)

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method

Copyright 2003
Devo Seereeram, Ph.D., P.E.

## Project Data

Project Name: Vista Landfill Redesign
Simulation Description:
Project Number: ..... 10-2141Pond 12-100 Year / 24 Hour Routing and Recovery Analysis w/ infiltration
Engineer : cms
Supervising Engineer: ..... cms
Date: ..... 01-06-2011
Aquifer Data
Base Of Aquifer Elevation, $[\mathrm{B}]$ (ft datum): ..... 61.00
Water Table Elevation, [WT] (ft datum): ..... 62.00
Horizontal Saturated Hydraulic Conductivity, [Kh] (ft/day): ..... 15.00
Fillable Porosity, [n] (\%): ..... 20.00
Unsaturated Vertical Infiltration Rate, [lv] (ft/day): ..... 5.0
Maximum Area For Unsaturated Infiltration, [Av] (ft²): ..... 96171.0
Geometry Data
Equivalent Pond Length, $[\mathrm{L}]$ ( ft ): ..... 800.0
Equivalent Pond Width, [W] (ft): ..... 120.0
Ground water mound is expected to intersect the pond bottom

## Stage vs Area Data

| Stage <br> (ft datum) | Area <br> $\left(\mathrm{ft}^{2}\right)$ |
| ---: | ---: | ---: |
| 71.00 | 44588.0 |
| 72.00 | 50686.0 |
| 73.00 | 56884.0 |
| 74.00 | 63182.0 |
| 75.00 | 69580.0 |
| 76.00 | 76078.0 |
| 77.00 | 82675.0 |
| 78.00 | 89373.0 |
| 79.00 | 96171.0 |

## Discharge Structures

Discharge Structure \#1 is inactive
Discharge Structure \#2 is inactive
Discharge Structure \#3 is inactive

# PONDS Version 3.2.0207 <br> Retention Pond Recovery - Refined Method <br> Copyright 2003 <br> Devo Seereeram, Ph.D., P.E. 

## Scenario Input Data

## Scenario 1 :: Pond 12 - 100 Year/24 Hour Routing

| Hydrograph Type: Modflow Routing: Repetitions: | Inline SCS |  |
| :---: | :---: | :---: |
|  | Routed with infiltration |  |
|  | 1 |  |
| Basin Area (acres) | 16.700 |  |
| Time Of Concentratio | (minutes) | 10.0 |
| DCIA (\%) |  | 0.0 |
| Curve Number |  | 98 |
| Design Rainfall Dep | (inches) | 10.6 |
| Design Rainfall Dura | tion (hours) | 24.0 |
| Shape Factor |  | UHG 484 |
| Rainfall Distribution |  | Orange County 100 Year - 24 Hour |
| Initial ground water | vel ( ft datum) | default, 62.00 |
| Time After | Time After | Time After |
| Storm Event (days) | Storm Event (days) | Storm Event (days) |
| 1.000 | 6.000 | 11.000 |
| 2.000 | 7.000 | 14.000 |
| 3.000 | 8.000 |  |
| 4.000 | 9.000 |  |
| 5.000 | 10.000 |  |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003 <br> Devo Seereeram, Ph.D., P.E.

Summary of Results $::$ Scenario $1::$ Pond $12-100$ Year $/ 24$ Hour Routing

|  | Time (hours) | Stage (ft datum) | $\begin{aligned} & \text { Rate } \\ & \left(\mathrm{ft}^{3} / \mathrm{s}\right) \end{aligned}$ | Volume (ft ${ }^{3}$ ) |
| :---: | :---: | :---: | :---: | :---: |
| Stage |  |  |  |  |
| Minimum | 0.000 | 62.00 |  |  |
| Maximum | 14.044 | 77.50 |  |  |
| Inflow |  |  |  |  |
| Rate - Maximum - Positive | 9.000 |  | 36.7288 |  |
| Rate - Maximum - Negative | None |  | None |  |
| Cumulative Volume - Maximum Positive | 24.489 |  |  | 628266.4 |
| Cumulative Volume - Maximum Negative | None |  |  | None |
| Cumulative Volume - End of Simulation | 360.578 |  |  | 628266.4 |
| Infiltration |  |  |  |  |
| Rate - Maximum - Positive | 17.378 |  | 20.2318 |  |
| Rate - Maximum - Negative | None |  | None |  |
| Cumulative Volume - Maximum Positive | 360.578 |  |  | 628266.4 |
| Cumulative Volume - Maximum Negative | None |  |  | None |
| Cumulative Volume - End of Simulation | 360.578 |  |  | 628266.4 |
| Combined Discharge |  |  |  |  |
| Rate - Maximum - Positive | None |  | None |  |
| Rate - Maximum - Negative | None |  | None |  |
| Cumulative Volume - Maximum Positive | None |  |  | None |
| Cumulative Volume - Maximum Negative | None |  |  | None |
| Cumulative Volume - End of Simulation | 360.578 |  |  | 0.0 |
| Discharge Structure 1 - inactive |  |  |  |  |
| Rate - Maximum - Positive | disabled |  | disabled |  |
| Rate - Maximum - Negative | disabled |  | disabled |  |
| Cumulative Volume - Maximum Positive | disabled |  |  | disabled |
| Cumulative Volume - Maximum Negative | disabled |  |  | disabled |
| Cumulative Volume - End of Simulation | disabled |  |  | disabled |
| Discharge Structure 2 - inactive |  |  |  |  |
| Rate - Maximum - Positive | disabled |  | disabled |  |
| Rate - Maximum - Negative | disabled |  | disabled |  |
| Cumulative Volume - Maximum Positive | disabled |  |  | disabled |
| Cumulative Volume - Maximum Negative | disabled |  |  | disabled |
| Cumulative Volume - End of Simulation | disabled |  |  | disabled |
| Discharge Structure 3 - inactive |  |  |  |  |
| Rate - Maximum - Positive | disabled |  | disabled |  |
| Rate - Maximum - Negative | disabled |  | disabled |  |
| Cumulative Volume - Maximum Positive | disabled |  |  | disabled |
| Cumulative Volume - Maximum Negative | disabled |  |  | disabled |
| Cumulative Volume - End of Simulation | disabled |  |  | disabled |
| Pollution Abatement: |  |  |  |  |
| 36 Hour Stage and Infiltration Volume | N.A. | N.A. |  | N.A. |
| 72 Hour Stage and Infiltration Volume | N.A. | N.A. |  | N.A. |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results $::$ Scenario 1 :: Pond 12 - 100 Year $/ 24$ Hour Routing

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{3 / \mathrm{s}}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overtion Discharge ( $\mathrm{t}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | $\begin{aligned} & \text { Flow } \\ & \text { Type } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 0.000 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | N.A. |
| 0.022 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.044 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.067 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.089 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.111 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.133 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.156 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.178 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.200 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.222 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.244 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.267 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.289 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.311 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.333 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.356 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.378 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.400 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.422 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.444 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.467 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.489 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.511 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.533 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.556 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.578 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.600 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.622 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.644 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.667 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.689 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.711 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.733 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.756 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.778 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.800 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.822 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.844 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.867 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.889 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.911 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.933 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.956 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 0.978 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.000 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.022 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.044 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.067 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.089 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.111 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.133 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.156 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.178 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.200 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.222 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.244 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.267 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.289 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.311 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.333 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.356 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.378 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | $\cup$ |
| 1.400 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.422 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.444 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.467 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.489 | 0.0000 | 0.0000 | 62.000 | 0.00000 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.511 | 0.0000 | 0.0000 | 62.000 | 0.00001 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.533 | 0.0001 | 0.0000 | 62.000 | 0.00016 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.556 | 0.0005 | 0.0000 | 62.000 | 0.00086 | 0.00000 | 0.0 | 0.0 | 0.0 | U |
| 1.578 | 0.0023 | 0.0000 | 62.000 | 0.00289 | 0.00000 | 0.1 | 0.1 | 0.0 | U |
| 1.600 | 0.0065 | 0.0000 | 62.000 | 0.00728 | 0.00000 | 0.5 | 0.5 | 0.0 | U |
| 1.622 | 0.0139 | 0.0000 | 62.000 | 0.01481 | 0.00000 | 1.3 | 1.3 | 0.0 | U |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 12 - 100 Year / 24 Hour Routing

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / 5}$ ) | Outside Recharge (ftday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}{ }^{3} / \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{ft}^{3 /} / \mathrm{s}$ ) | Cumulative Inflow Volume $\left(\mathrm{t}^{3}\right)$ | Cumulative Infilitration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{H}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1.644 | 0.0249 | 0.0000 | 62.000 | 0.02571 | 0.00000 | 2.9 | 2.9 | 0.0 | U |
| 1.667 | 0.0391 | 0.0000 | 62.000 | 0.03971 | 0.00000 | 5.4 | 5.4 | 0.0 | U |
| 1.689 | 0.0557 | 0.0000 | 62.000 | 0.05617 | 0.00000 | 9.2 | 9.2 | 0.0 | U |
| 1.711 | 0.0741 | 0.0000 | 62.001 | 0.07435 | 0.00000 | 14.4 | 14.4 | 0.0 | U |
| 1.733 | 0.0935 | 0.0000 | 62.001 | 0.09360 | 0.00000 | 21.1 | 21.1 | 0.0 | U |
| 1.756 | 0.1134 | 0.0000 | 62.002 | 0.11345 | 0.00000 | 29.4 | 29.4 | 0.0 | U |
| 1.778 | 0.1336 | 0.0000 | 62.002 | 0.13359 | 0.00000 | 39.3 | 39.3 | 0.0 | U |
| 1.800 | 0.1538 | 0.0000 | 62.003 | 0.15379 | 0.00000 | 50.8 | 50.8 | 0.0 | U |
| 1.822 | 0.1739 | 0.0000 | 62.003 | 0.17389 | 0.00000 | 63.9 | 63.9 | 0.0 | U |
| 1.844 | 0.1939 | 0.0000 | 62.004 | 0.19379 | 0.00000 | 78.6 | 78.6 | 0.0 | U |
| 1.867 | 0.2135 | 0.0000 | 62.005 | 0.21341 | 0.00000 | 94.9 | 94.9 | 0.0 | U |
| 1.889 | 0.2328 | 0.0000 | 62.006 | 0.23270 | 0.00000 | 112.7 | 112.7 | 0.0 | U |
| 1.911 | 0.2517 | 0.0000 | 62.007 | 0.25163 | 0.00000 | 132.1 | 132.1 | 0.0 | U |
| 1.933 | 0.2703 | 0.0000 | 62.008 | 0.27017 | 0.00000 | 153.0 | 153.0 | 0.0 | U |
| 1.956 | 0.2884 | 0.0000 | 62.009 | 0.28833 | 0.00000 | 175.3 | 175.3 | 0.0 | U |
| 1.978 | 0.3062 | 0.0000 | 62.010 | 0.30634 | 0.00000 | 199.1 | 199.1 | 0.0 | U |
| 2.000 | 0.3245 | 0.0000 | 62.012 | 0.32543 | 0.00000 | 224.3 | 224.3 | 0.0 | U |
| 2.022 | 0.3465 | 0.0000 | 62.013 | 0.34826 | 0.00000 | 251.2 | 251.2 | 0.0 | U |
| 2.044 | 0.3756 | 0.0000 | 62.015 | 0.37800 | 0.00000 | 280.1 | 280.1 | 0.0 | U |
| 2.067 | 0.4143 | 0.0000 | 62.016 | 0.41604 | 0.00000 | 311.7 | 311.7 | 0.0 | U |
| 2.089 | 0.4599 | 0.0000 | 62.018 | 0.46046 | 0.00000 | 346.6 | 346.6 | 0.0 | U |
| 2.111 | 0.5077 | 0.0000 | 62.020 | 0.50744 | 0.00000 | 385.3 | 385.3 | 0.0 | U |
| 2.133 | 0.5544 | 0.0000 | 62.022 | 0.55356 | 0.00000 | 427.8 | 427.8 | 0.0 | U |
| 2.156 | 0.5976 | 0.0000 | 62.025 | 0.59645 | 0.00000 | 473.9 | 473.9 | 0.0 | U |
| 2.178 | 0.6361 | 0.0000 | 62.027 | 0.63514 | 0.00000 | 523.3 | 523.3 | 0.0 | U |
| 2.200 | 0.6708 | 0.0000 | 62.030 | 0.67010 | 0.00000 | 575.5 | 575.5 | 0.0 | U |
| 2.222 | 0.7028 | 0.0000 | 62.033 | 0.70228 | 0.00000 | 630.5 | 630.5 | 0.0 | U |
| 2.244 | 0.7327 | 0.0000 | 62.036 | 0.73230 | 0.00000 | 687.9 | 687.9 | 0.0 | U |
| 2.267 | 0.7609 | 0.0000 | 62.039 | 0.76054 | 0.00000 | 747.6 | 747.6 | 0.0 | U |
| 2.289 | 0.7876 | 0.0000 | 62.042 | 0.78730 | 0.00000 | 809.6 | 809.6 | 0.0 | U |
| 2.311 | 0.8131 | 0.0000 | 62.045 | 0.81280 | 0.00000 | 873.6 | 873.6 | 0.0 | U |
| 2.333 | 0.8375 | 0.0000 | 62.049 | 0.83722 | 0.00000 | 939.6 | 939.6 | 0.0 | U |
| 2.356 | 0.8609 | 0.0000 | 62.052 | 0.86068 | 0.00000 | 1007.6 | 1007.6 | 0.0 | U |
| 2.378 | 0.8835 | 0.0000 | 62.056 | 0.88330 | 0.00000 | 1077.3 | 1077.3 | 0.0 | U |
| 2.400 | 0.9053 | 0.0000 | 62.060 | 0.90515 | 0.00000 | 1148.9 | 1148.9 | 0.0 | U |
| 2.422 | 0.9264 | 0.0000 | 62.064 | 0.92629 | 0.00000 | 1222.2 | 1222.2 | 0.0 | U |
| 2.444 | 0.9469 | 0.0000 | 62.067 | 0.94677 | 0.00000 | 1297.1 | 1297.1 | 0.0 | U |
| 2.467 | 0.9668 | 0.0000 | 62.071 | 0.96664 | 0.00000 | 1373.6 | 1373.6 | 0.0 | U |
| 2.489 | 0.9861 | 0.0000 | 62.075 | 0.98686 | 0.00000 | 1451.8 | 1451.8 | 0.0 | U |
| 2.511 | 1.0085 | 0.0000 | 62.080 | 1.01085 | 0.00000 | 1531.5 | 1531.5 | 0.0 | U |
| 2.533 | 1.0403 | 0.0000 | 62.084 | 1.04451 | 0.00000 | 1613.5 | 1613.5 | 0.0 | U |
| 2.556 | 1.0889 | 0.0000 | 62.088 | 1.09317 | 0.00000 | 1698.7 | 1698.7 | 0.0 | U |
| 2.578 | 1.1545 | 0.0000 | 62.093 | 1.15666 | 0.00000 | 1788.4 | 1788.4 | 0.0 | U |
| 2.600 | 1.2286 | 0.0000 | 62.098 | 1.22857 | 0.00000 | 1883.7 | 1883.7 | 0.0 | U |
| 2.622 | 1.3025 | 0.0000 | 62.103 | 1.30103 | 0.00000 | 1985.0 | 1985.0 | 0.0 | U |
| 2.644 | 1.3705 | 0.0000 | 62.109 | 1.36795 | 0.00000 | 2091.9 | 2091.9 | 0.0 | U |
| 2.667 | 1.4283 | 0.0000 | 62.115 | 1.42581 | 0.00000 | 2203.8 | 2203.8 | 0.0 | U |
| 2.689 | 1.4761 | 0.0000 | 62.121 | 1.47434 | 0.00000 | 2320.0 | 2320.0 | 0.0 | U |
| 2.711 | 1.5168 | 0.0000 | 62.127 | 1.51557 | 0.00000 | 2439.7 | 2439.7 | 0.0 | U |
| 2.733 | 1.5526 | 0.0000 | 62.133 | 1.55158 | 0.00000 | 2562.5 | 2562.5 | 0.0 | U |
| 2.756 | 1.5844 | 0.0000 | 62.140 | 1.58365 | 0.00000 | 2688.0 | 2688.0 | 0.0 | U |
| 2.778 | 1.6132 | 0.0000 | 62.146 | 1.61266 | 0.00000 | 2815.9 | 2815.9 | 0.0 | U |
| 2.800 | 1.6398 | 0.0000 | 62.153 | 1.63928 | 0.00000 | 2946.0 | 2946.0 | 0.0 | U |
| 2.822 | 1.6644 | 0.0000 | 62.160 | 1.66398 | 0.00000 | 3078.2 | 3078.2 | 0.0 | U |
| 2.844 | 1.6875 | 0.0000 | 62.167 | 1.68715 | 0.00000 | 3212.3 | 3212.3 | 0.0 | U |
| 2.867 | 1.7093 | 0.0000 | 62.174 | 1.70905 | 0.00000 | 3348.1 | 3348.1 | 0.0 | U |
| 2.889 | 1.7301 | 0.0000 | 62.181 | 1.72989 | 0.00000 | 3485.7 | 3485.7 | 0.0 | U |
| 2.911 | 1.7500 | 0.0000 | 62.188 | 1.74981 | 0.00000 | 3624.9 | 3624.9 | 0.0 | U |
| 2.933 | 1.7691 | 0.0000 | 62.196 | 1.76892 | 0.00000 | 3765.7 | 3765.7 | 0.0 | U |
| 2.956 | 1.7875 | 0.0000 | 62.203 | 1.78733 | 0.00000 | 3907.9 | 3907.9 | 0.0 | U |
| 2.978 | 1.8052 | 0.0000 | 62.211 | 1.80509 | 0.00000 | 4051.6 | 4051.6 | 0.0 | U |
| 3.000 | 1.8224 | 0.0000 | 62.218 | 1.82767 | 0.00000 | 4196.8 | 4196.8 | 0.0 | U |
| 3.022 | 1.8607 | 0.0000 | 62.226 | 1.87206 | 0.00000 | 4344.1 | 4344.1 | 0.0 | U |
| 3.044 | 1.9445 | 0.0000 | 62.234 | 1.96371 | 0.00000 | 4496.3 | 4496.3 | 0.0 | U |
| 3.067 | 2.1052 | 0.0000 | 62.242 | 2.12041 | 0.00000 | 4658.3 | 4658.3 | 0.0 | U |
| 3.089 | 2,3268 | 0.0000 | 62.251 | 2.33138 | 0.00000 | 4835.5 | 4835.5 | 0.0 | U |
| 3.111 | 2.5668 | 0.0000 | 62.262 | 2.51355 | 0.00000 | 5031.3 | 5031.3 | 0.0 | U |
| 3.133 | 2.7947 | 0.0000 | 71.000 | 2.58036 | 0.00000 | 5245.8 | 5237.7 | 0.0 | U/P |
| 3.156 | 2.9928 | 0.0000 | 71.001 | 2.58049 | 0.00000 | 5477.3 | 5444.1 | 0.0 | U/P |
| 3.178 | 3.1451 | 0.0000 | 71.002 | 2.58074 | 0.00000 | 5722.8 | 5650.6 | 0.0 | U/P |
| 3.200 | 3.2614 | 0.0000 | 71.003 | 2.58109 | 0.00000 | 5979.0 | 5857.1 | 0.0 | U/P |
| 3.222 | 3.3540 | 0.0000 | 71.004 | 2.58152 | 0.00000 | 6243.6 | 6063.6 | 0.0 | U/P |
| 3.244 | 3.4305 | 0.0000 | 71.005 | 2.58201 | 0.00000 | 6515.0 | 6270.1 | 0.0 | U/P |
| 3.267 | 3.4934 | 0.0000 | 71.007 | 2.58254 | 0.00000 | 6792.0 | 6476.7 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 12 - 100 Year / 24 Hour Routing

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (f datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infilitration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 3.289 | 3.5470 | 0.0000 | 71.009 | 2.58312 | 0.00000 | 7073.6 | 6683.3 | 0.0 | U/P |
| 3.311 | 3.5931 | 0.0000 | 71.011 | 2.58372 | 0.00000 | 7359.2 | 6890.0 | 0.0 | U/P |
| 3.333 | 3.6336 | 0.0000 | 71.012 | 2.58436 | 0.00000 | 7648.3 | 7096.7 | 0.0 | U/P |
| 3.356 | 3.6699 | 0.0000 | 71.014 | 2.58502 | 0.00000 | 7940.4 | 7303.5 | 0.0 | U/P |
| 3.378 | 3.7028 | 0.0000 | 71.016 | 2.58571 | 0.00000 | 8235.3 | 7510.3 | 0.0 | U/P |
| 3.400 | 3.7330 | 0.0000 | 71.018 | 2.58641 | 0.00000 | 8532.7 | 7717.2 | 0.0 | U/P |
| 3.422 | 3.7610 | 0.0000 | 71.020 | 2.58714 | 0.00000 | 8832.5 | 7924.1 | 0.0 | U/P |
| 3.444 | 3.7872 | 0.0000 | 71.022 | 2.58788 | 0.00000 | 9134.4 | 8131.1 | 0.0 | U/P |
| 3.467 | 3.8120 | 0.0000 | 71.025 | 2.58864 | 0.00000 | 9438.4 | 8338.2 | 0.0 | U/P |
| 3.489 | 3.8354 | 0.0000 | 71.027 | 2.58941 | 0.00000 | 9744.3 | 8545.3 | 0.0 | U/P |
| 3.511 | 3.8603 | 0.0000 | 71.029 | 2.59019 | 0.00000 | 10052.1 | 8752.5 | 0.0 | U/P |
| 3.533 | 3.8955 | 0.0000 | 71.031 | 2.59100 | 0.00000 | 10362.4 | 8959.8 | 0.0 | U/P |
| 3.556 | 3.9514 | 0.0000 | 71.034 | 2.59182 | 0.00000 | 10676.3 | 9167.1 | 0.0 | U/P |
| 3.578 | 4.0346 | 0.0000 | 71.036 | 2.59268 | 0.00000 | 10995.7 | 9374.4 | 0.0 | U/P |
| 3.600 | 4.1353 | 0.0000 | 71.039 | 2.59359 | 0.00000 | 11322.5 | 9581.9 | 0.0 | U/P |
| 3.622 | 4.2380 | 0.0000 | 71.042 | 2.59457 | 0.00000 | 11657.4 | 9789.4 | 0.0 | U/P |
| 3.644 | 4.3327 | 0.0000 | 71.045 | 2.59560 | 0.00000 | 12000.2 | 9997.0 | 0.0 | U/P |
| 3.667 | 4.4125 | 0.0000 | 71.048 | 2.59669 | 0.00000 | 12350.1 | 10204.7 | 0.0 | U/P |
| 3.689 | 4.4747 | 0.0000 | 71.051 | 2.59783 | 0.00000 | 12705.5 | 10412.5 | 0.0 | U/P |
| 3.711 | 4.5237 | 0.0000 | 71.055 | 2.59901 | 0.00000 | 13065.5 | 10620.4 | 0.0 | U/P |
| 3.733 | 4.5639 | 0.0000 | 71.058 | 2.60022 | 0.00000 | 13429.0 | 10828.3 | 0.0 | U/P |
| 3.756 | 4.5977 | 0.0000 | 71.062 | 2.60145 | 0.00000 | 13795.5 | 11036.4 | 0.0 | U/P |
| 3.778 | 4.6264 | 0.0000 | 71.065 | 2.60270 | 0.00000 | 14164.4 | 11244.6 | 0.0 | U/P |
| 3.800 | 4.6514 | 0.0000 | 71.069 | 2.60397 | 0.00000 | 14535.5 | 11452.8 | 0.0 | U/P |
| 3.822 | 4.6736 | 0.0000 | 71.072 | 2.60525 | 0.00000 | 14908.5 | 11661.2 | 0.0 | U/P |
| 3.844 | 4.6935 | 0.0000 | 71.076 | 2.60655 | 0.00000 | 15283.2 | 11869.7 | 0.0 | U/P |
| 3.867 | 4.7118 | 0.0000 | 71.080 | 2.60786 | 0.00000 | 15659.4 | 12078.3 | 0.0 | U/P |
| 3.889 | 4.7287 | 0.0000 | 71.084 | 2.60917 | 0.00000 | 16037.0 | 12286.9 | 0.0 | U/P |
| 3.911 | 4.7444 | 0.0000 | 71.087 | 2.61050 | 0.00000 | 16416.0 | 12495.7 | 0.0 | U/P |
| 3.933 | 4.7593 | 0.0000 | 71.091 | 2.61184 | 0.00000 | 16796.1 | 12704.6 | 0.0 | U/P |
| 3.956 | 4.7734 | 0.0000 | 71.095 | 2.61318 | 0.00000 | 17177.4 | 12913.6 | 0.0 | U/P |
| 3.978 | 4.7868 | 0.0000 | 71.099 | 2.61453 | 0.00000 | 17559.8 | 13122.7 | 0.0 | U/P |
| 4.000 | 4.7997 | 0.0000 | 71.103 | 2.61589 | 0.00000 | 17943.3 | 13331.9 | 0.0 | U/P |
| 4.022 | 4.8295 | 0.0000 | 71.107 | 2.61725 | 0.00000 | 18328.5 | 13541.3 | 0.0 | U/P |
| 4.044 | 4.9056 | 0.0000 | 71.111 | 2.61864 | 0.00000 | 18717.9 | 13750.7 | 0.0 | U/P |
| 4.067 | 5.0637 | 0.0000 | 71.115 | 2.62008 | 0.00000 | 19116.6 | 13960.3 | 0.0 | U/P |
| 4.089 | 5.3040 | 0.0000 | 71.119 | 2.62162 | 0.00000 | 19531.3 | 14169.9 | 0.0 | U/P |
| 4.111 | 5.5841 | 0.0000 | 71.124 | 2.62329 | 0.00000 | 19966.9 | 14379.7 | 0.0 | U/P |
| 4.133 | 5.8596 | 0.0000 | 71.130 | 2.62514 | 0.00000 | 20424.6 | 14589.6 | 0.0 | U/P |
| 4.156 | 6.1025 | 0.0000 | 71.136 | 2.62714 | 0.00000 | 20903.1 | 14799.7 | 0.0 | U/P |
| 4.178 | 6.2925 | 0.0000 | 71.142 | 2.62929 | 0.00000 | 21398.9 | 15010.0 | 0.0 | U/P |
| 4.200 | 6.4311 | 0.0000 | 71.148 | 2.63156 | 0.00000 | 21907.8 | 15220.4 | 0.0 | U/P |
| 4.222 | 6.5336 | 0.0000 | 71.155 | 2.63391 | 0.00000 | 22426.4 | 15431.0 | 0.0 | U/P |
| 4.244 | 6.6122 | 0.0000 | 71.162 | 2.63633 | 0.00000 | 22952.3 | 15641.8 | 0.0 | U/P |
| 4.267 | 6.6729 | 0.0000 | 71.169 | 2.63879 | 0.00000 | 23483.7 | 15852.8 | 0.0 | U/P |
| 4.289 | 6.7202 | 0.0000 | 71.176 | 2.64128 | 0.00000 | 24019.4 | 16064.0 | 0.0 | U/P |
| 4.311 | 6.7579 | 0.0000 | 71.183 | 2.64380 | 0.00000 | 24558.5 | 16275.5 | 0.0 | U/P |
| 4.333 | 6.7884 | 0.0000 | 71.191 | 2.64634 | 0.00000 | 25100.4 | 16487.1 | 0.0 | U/P |
| 4.356 | 6.8137 | 0.0000 | 71.198 | 2.64890 | 0.00000 | 25644.5 | 16698.9 | 0.0 | U/P |
| 4.378 | 6.8351 | 0.0000 | 71.205 | 2.65147 | 0.00000 | 26190.4 | 16910.9 | 0.0 | U/P |
| 4.400 | 6.8537 | 0.0000 | 71.213 | 2.65404 | 0.00000 | 26738.0 | 17123.1 | 0.0 | U/P |
| 4.422 | 6.8700 | 0.0000 | 71.220 | 2.65663 | 0.00000 | 27286.9 | 17335.5 | 0.0 | U/P |
| 4.444 | 6.8846 | 0.0000 | 71.227 | 2.65921 | 0.00000 | 27837.1 | 17548.2 | 0.0 | U/P |
| 4.467 | 6.8980 | 0.0000 | 71.235 | 2.66781 | 0.00000 | 28388.4 | 17761.0 | 0.0 | U/P |
| 4.489 | 6.9104 | 0.0000 | 71.242 | 2.66441 | 0.00000 | 28940.7 | 17974.1 | 0.0 | U/P |
| 4.511 | 6.9218 | 0.0000 | 71.249 | 2.66701 | 0.00000 | 29494.0 | 18187.3 | 0.0 | U/P |
| 4.533 | 6.9374 | 0.0000 | 71.257 | 2.66962 | 0.00000 | 30048.4 | 18400.8 | 0.0 | U/P |
| 4.556 | 6.9628 | 0.0000 | 71.264 | 2.67223 | 0.00000 | 30604.4 | 18614.4 | 0.0 | U/P |
| 4.578 | 7.0059 | 0.0000 | 71.272 | 2.67485 | 0.00000 | 31163.1 | 18828.3 | 0.0 | U/P |
| 4.600 | 7.0630 | 0.0000 | 71.279 | 2.67750 | 0.00000 | 31725.9 | 19042.4 | 0.0 | U/P |
| 4.622 | 7.1240 | 0.0000 | 71.287 | 2.68017 | 0.00000 | 32293.4 | 19256.7 | 0.0 | U/P |
| 4.644 | 7.1815 | 0.0000 | 71.294 | 2.68288 | 0.00000 | 32865.6 | 19471.3 | 0.0 | U/P |
| 4.667 | 7.2312 | 0.0000 | 71.302 | 2.68562 | 0.00000 | 33442.1 | 19686.0 | 0.0 | U/P |
| 4.689 | 7.2692 | 0.0000 | 71.310 | 2.68838 | 0.00000 | 34022.1 | 19900.9 | 0.0 | U/P |
| 4.711 | 7.2981 | 0.0000 | 71.318 | 2.69116 | 0.00000 | 34604.8 | 20116.1 | 0.0 | U/P |
| 4.733 | 7.3208 | 0.0000 | 71.326 | 2.69396 | 0.00000 | 35189.6 | 20331.5 | 0.0 | U/P |
| 4.756 | 7.3395 | 0.0000 | 71.334 | 2.69676 | 0.00000 | 35776.0 | 20547.2 | 0.0 | U/P |
| 4.778 | 7.3547 | 0.0000 | 71.342 | 2.69957 | 0.00000 | 36363.8 | 20763.0 | 0.0 | U/P |
| 4.800 | 7.3676 | 0.0000 | 71.350 | 2.70239 | 0.00000 | 36952.6 | 20979.1 | 0.0 | U/P |
| 4.822 | 7.3787 | 0.0000 | 71.358 | 2.70520 | 0.00000 | 37542.5 | 21195.4 | 0.0 | U/P |
| 4.844 | 7.3884 | 0.0000 | 71.366 | 2.70802 | 0.00000 | 38133.2 | 21411.9 | 0.0 | U/P |
| 4.867 | 7.3971 | 0.0000 | 71.374 | 2.71085 | 0.00000 | 38724.6 | 21628.7 | 0.0 | U/P |
| 4.889 | 7.4050 | 0.0000 | 71.382 | 2.71367 | 0.00000 | 39316.7 | 21845.7 | 0.0 | U/P |
| 4.911 | 7.4123 | 0.0000 | 71.390 | 2.71649 | 0.00000 | 39909.4 | 22062.9 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $12-100$ Year / 24 Hour Routing

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 /} \mathrm{s}$ ) | Overflow Discharge ( $11^{3 / 3}$ ) | Cumulative unflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{H}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4.933 | 7.4192 | 0.0000 | 71.398 | 2.71932 | 0.00000 | 40502.6 | 22280.3 | 0.0 | U/P |
| 4.956 | 7.4256 | 0.0000 | 71.406 | 2.72214 | 0.00000 | 41096.4 | 22498.0 | 0.0 | U/P |
| 4.978 | 7.4317 | 0.0000 | 71.414 | 2.72496 | 0.00000 | 41690.7 | 22715.8 | 0.0 | U/P |
| 5.000 | 7.4391 | 0.0000 | 71.422 | 2.72778 | 0.00000 | 42285.6 | 22934.0 | 0.0 | U/P |
| 5.022 | 7.4524 | 0.0000 | 71.430 | 2.73060 | 0.00000 | 42881.2 | 23152.3 | 0.0 | U/P |
| 5.044 | 7.4768 | 0.0000 | 71.438 | 2.73343 | 0.00000 | 43478.4 | 23370.8 | 0.0 | U/P |
| 5.067 | 7.5149 | 0.0000 | 71.446 | 2.73626 | 0.00000 | 44078.1 | 23589.6 | 0.0 | U/P |
| 5.089 | 7.5616 | 0.0000 | 71.454 | 2.73911 | 0.00000 | 44681.1 | 23808.6 | 0.0 | U/P |
| 5.111 | 7.6091 | 0.0000 | 71.462 | 2.74199 | 0.00000 | 45287.9 | 24027.9 | 0.0 | U/P |
| 5.133 | 7.6521 | 0.0000 | 71.470 | 2.74489 | 0.00000 | 45898.4 | 24247.4 | 0.0 | U/P |
| 5.156 | 7.6875 | 0.0000 | 71.479 | 2.74781 | 0.00000 | 46512.0 | 24467.1 | 0.0 | U/P |
| 5.178 | 7.7139 | 0.0000 | 71.487 | 2.75074 | 0.00000 | 47128.0 | 24687.0 | 0.0 | U/P |
| 5.200 | 7.7338 | 0.0000 | 71.495 | 2.75368 | 0.00000 | 47745.9 | 24907.2 | 0.0 | U/P |
| 5.222 | 7.7493 | 0.0000 | 71.504 | 2.75664 | 0.00000 | 48365.3 | 25127.6 | 0.0 | U/P |
| 5.244 | 7.7617 | 0.0000 | 71.512 | 2.75959 | 0.00000 | 48985.7 | 25348.3 | 0.0 | U/P |
| 5.267 | 7.7717 | 0.0000 | 71.521 | 2.76255 | 0.00000 | 49607.0 | 25569.1 | 0.0 | U/P |
| 5.289 | 7.7801 | 0.0000 | 71.529 | 2.76551 | 0.00000 | 50229.1 | 25790.3 | 0.0 | U/P |
| 5.311 | 7.7871 | 0.0000 | 71.537 | 2.76847 | 0.00000 | 50851.8 | 26011.6 | 0.0 | U/P |
| 5.333 | 7.7932 | 0.0000 | 71.546 | 2.77143 | 0.00000 | 51475.0 | 26233.2 | 0.0 | U/P |
| 5.356 | 7.7986 | 0.0000 | 71.554 | 2.77439 | 0.00000 | 52098.7 | 26455.1 | 0.0 | U/P |
| 5.378 | 7.8035 | 0.0000 | 71.563 | 2.77735 | 0.00000 | 52722.8 | 26677.1 | 0.0 | U/P |
| 5.400 | 7.8080 | 0.0000 | 71.571 | 2.78031 | 0.00000 | 53347.2 | 26899.4 | 0.0 | U/P |
| 5.422 | 7.8121 | 0.0000 | 71.579 | 2.78326 | 0.00000 | 53972.0 | 27122.0 | 0.0 | U/P |
| 5.444 | 7.8160 | 0.0000 | 71.588 | 2.78621 | 0.00000 | 54597.1 | 27344.8 | 0.0 | U/P |
| 5.467 | 7.8197 | 0.0000 | 71.596 | 2.78916 | 0.00000 | 55222.6 | 27567.8 | 0.0 | U/P |
| 5.489 | 7.8233 | 0.0000 | 71.604 | 2.79210 | 0.00000 | 55848.3 | 27791.0 | 0.0 | U/P |
| 5.511 | 7.8266 | 0.0000 | 71.613 | 2.79504 | 0.00000 | 56474.3 | 28014.5 | 0.0 | U/P |
| 5.533 | 7.8298 | 0.0000 | 71.621 | 2.79798 | 0.00000 | 57100.5 | 28238.2 | 0.0 | U/P |
| 5.556 | 7.8328 | 0.0000 | 71.629 | 2.80092 | 0.00000 | 57727.1 | 28462.2 | 0.0 | U/P |
| 5.578 | 7.8358 | 0.0000 | 71.638 | 2.80385 | 0.00000 | 58353.8 | 28686.4 | 0.0 | U/P |
| 5.600 | 7.8387 | 0.0000 | 71.646 | 2.80678 | 0.00000 | 58980.8 | 28910.8 | 0.0 | U/P |
| 5.622 | 7.8415 | 0.0000 | 71.654 | 2.80971 | 0.00000 | 59608.0 | 29135.5 | 0.0 | U/P |
| 5.644 | 7.8442 | 0.0000 | 71.662 | 2.81264 | 0.00000 | 60235.4 | 29360.3 | 0.0 | U/P |
| 5.667 | 7.8469 | 0.0000 | 71.671 | 2.81556 | 0.00000 | 60863.1 | 29585.5 | 0.0 | U/P |
| 5.689 | 7.8495 | 0.0000 | 71.679 | 2.81847 | 0.00000 | 61490.9 | 29810.8 | 0.0 | U/P |
| 5.711 | 7.8521 | 0.0000 | 71.687 | 2.82139 | 0.00000 | 62119.0 | 30036.4 | 0.0 | U/P |
| 5.733 | 7.8547 | 0.0000 | 71.695 | 2.82430 | 0.00000 | 62747.3 | 30262.3 | 0.0 | U/P |
| 5.756 | 7.8571 | 0.0000 | 71.704 | 2.82721 | 0.00000 | 63375.7 | 30488.3 | 0.0 | U/P |
| 5.778 | 7.8596 | 0.0000 | 71.712 | 2.83011 | 0.00000 | 64004.4 | 30714.6 | 0.0 | U/P |
| 5.800 | 7.8619 | 0.0000 | 71.720 | 2.83302 | 0.00000 | 64633.2 | 30941.1 | 0.0 | U/P |
| 5.822 | 7.8643 | 0.0000 | 71.728 | 2.83592 | 0.00000 | 65262.3 | 31167.9 | 0.0 | U/P |
| 5.844 | 7.8665 | 0.0000 | 71.737 | 2.83881 | 0.00000 | 65891.5 | 31394.9 | 0.0 | U/P |
| 5.867 | 7.8688 | 0.0000 | 71.745 | 2.84170 | 0.00000 | 66520.9 | 31622.1 | 0.0 | U/P |
| 5.889 | 7.8709 | 0.0000 | 71.753 | 2.84459 | 0.00000 | 67150.5 | 31849.6 | 0.0 | U/P |
| 5.911 | 7.8731 | 0.0000 | 71.761 | 2.84748 | 0.00000 | 67780.3 | 32077.2 | 0.0 | U/P |
| 5.933 | 7.8752 | 0.0000 | 71.769 | 2.85036 | 0.00000 | 68410.2 | 32305.2 | 0.0 | U/P |
| 5.956 | 7.8772 | 0.0000 | 71.777 | 2.85324 | 0.00000 | 69040.3 | 32533.3 | 0.0 | U/P |
| 5.978 | 7.8792 | 0.0000 | 71.786 | 2.85611 | 0.00000 | 69670.6 | 32761.7 | 0.0 | U/P |
| 6.000 | 7.8812 | 0.0000 | 71.794 | 2.85898 | 0.00000 | 70301.0 | 32990.3 | 0.0 | U/P |
| 6.022 | 8.0113 | 0.0000 | 71.802 | 2.86187 | 0.00000 | 70936.7 | 33219.1 | 0.0 | U/P |
| 6.044 | 8.4108 | 0.0000 | 71.811 | 2.86485 | 0.00000 | 71593.6 | 33448.2 | 0.0 | U/P |
| 6.067 | 9.2594 | 0.0000 | 71.820 | 2.86807 | 0.00000 | 72300.4 | 33677.5 | 0.0 | U/P |
| 6.089 | 10.4547 | 0.0000 | 71.831 | 2.87176 | 0.00000 | 73088.9 | 33907.1 | 0.0 | U/P |
| 6.111 | 11.7404 | 0.0000 | 71.845 | 2.87608 | 0.00000 | 73976.7 | 34137.0 | 0.0 | U/P |
| 6.133 | 12.9371 | 0.0000 | 71.860 | 2.88110 | 0.00000 | 74963.8 | 34367.2 | 0.0 | U/P |
| 6.156 | 13.9420 | 0.0000 | 71.877 | 2.88677 | 0.00000 | 76039.0 | 34597.9 | 0.0 | U/P |
| 6.178 | 14.6653 | 0.0000 | 71.895 | 2.89298 | 0.00000 | 77183.3 | 34829.1 | 0.0 | U/P |
| 6.200 | 15.1709 | 0.0000 | 71.914 | 2.89959 | 0.00000 | 78376.7 | 35060.8 | 0.0 | U/P |
| 6.222 | 15.5355 | 0.0000 | 71.934 | 2.90648 | 0.00000 | 79605.0 | 35293.1 | 0.0 | U/P |
| 6.244 | 15.8065 | 0.0000 | 71.954 | 2.91355 | 0.00000 | 80858.7 | 35525.9 | 0.0 | U/P |
| 6.267 | 16.0005 | 0.0000 | 71.975 | 2.92076 | 0.00000 | 82131.0 | 35759.2 | 0.0 | U/P |
| 6.289 | 16.1432 | 0.0000 | 71.996 | 2.92806 | 0.00000 | 83416.7 | 35993.2 | 0.0 | U/P |
| 6.311 | 16.2473 | 0.0000 | 72.017 | 2.93547 | 0.00000 | 84712.3 | 36227.7 364629 | 0.0 0.0 | U/P |
| 6.333 | 16.3230 | 0.0000 | 72.038 | 2.94298 | 0.00000 | 86015.1 | 36462.9 | 0.0 | U/P |
| 6.356 | 16.3794 | 0.0000 | 72.059 | 2.95051 | 0.00000 | 87323.2 | 36698.6 | 0.0 | U/P |
| 6.378 | 16.4215 | 0.0000 | 72.080 | 2.95806 | 0.00000 | 88635.3 | 36934.9 | 0.0 | U/P |
| 6.400 | 16.4532 | 0.0000 | 72.101 | 2.96561 | 0.00000 | 89950.3 | 37171.9 | 0.0 | U/P |
| 6.422 | 16.4771 | 0.0000 | 72.122 | 2.97315 | 0.00000 | 91267.5 | 37409.4 | 0.0 | U/P |
| 6.444 | 16.4957 | 0.0000 | 72.143 | 2.98068 | 0.00000 | 92586.4 | 37647.6 | 0.0 | U/P |
| 6.467 | 16.5110 | 0.0000 | 72.164 | 2.98820 | 0.00000 | 93906.6 | 37886.3 | 0.0 | U/P |
| 6.489 | 16.5232 | 0.0000 | 72.185 | 2.99570 | 0.00000 | 95228.0 | 38125.7 | 0.0 | U/P |
| 6.511 | 16.5419 | 0.0000 | 72.206 | 3.00319 | 0.00000 | 96550.6 | 38365.7 | 0.0 | U/P |
| 6.533 | 16.5982 | 0.0000 | 72.226 | 3.01067 | 0.00000 | 97876.2 | 38606.2 | 0.0 | U/P |
| 6.556 | 16.7277 | 0.0000 | 72.247 | 3.01817 | 0.00000 | 99209.3 | 38847.4 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 12-100 Year / 24 Hour Routing

| Elapsed Time (hours) | Inflow Rate (ft ${ }^{3} / \mathrm{s}$ ) | Outside Recharge (fl/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{fl}^{3 / 5}$ ) | Cumulative Infiow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infittration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative <br> Discharge <br> Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 6.578 | 16.9538 | 0.0000 | 72.268 | 3.02572 | 0.00000 | 100556.5 | 39089.1 | 0.0 | U/P |
| 6.600 | 17.2413 | 0.0000 | 72.290 | 3.03336 | 0.00000 | 101924.3 | 39331.5 | 0.0 | U/P |
| 6.622 | 17.5362 | 0.0000 | 72.312 | 3.04113 | 0.00000 | 103315.4 | 39574.5 | 0.0 | U/P |
| 6.644 | 17.8027 | 0.0000 | 72.334 | 3.04903 | 0.00000 | 104729.0 | 39818.1 | 0.0 | U/P |
| 6.667 | 18.0178 | 0.0000 | 72.356 | 3.05705 | 0.00000 | 106161.8 | 40062.3 | 0.0 | U/P |
| 6.689 | 18.1721 | 0.0000 | 72.379 | 3.06515 | 0.00000 | 107609.4 | 40307.2 | 0.0 | U/P |
| 6.711 | 18.2814 | 0.0000 | 72.402 | 3.07332 | 0.00000 | 109067.5 | 40552.7 | 0.0 | U/P |
| 6.733 | 18.3614 | 0.0000 | 72.425 | 3.08152 | 0.00000 | 110533.2 | 40798.9 | 0.0 | U/P |
| 6.756 | 18.4208 | 0.0000 | 72.448 | 3.08974 | 0.00000 | 112004.5 | 41045.8 | 0.0 | U/P |
| 6.778 | 18.4641 | 0.0000 | 72.471 | 3.09797 | 0.00000 | 113479.9 | 41293.3 | 0.0 | U/P |
| 6.800 | 18.4964 | 0.0000 | 72.494 | 3.10619 | 0.00000 | 114958.3 | 41541.4 | 0.0 | U/P |
| 6.822 | 18.5204 | 0.0000 | 72.517 | 3.11441 | 0.00000 | 116439.0 | 41790.3 | 0.0 | U/P |
| 6.844 | 18.5384 | 0.0000 | 72.539 | 3.12261 | 0.00000 | 117921.4 | 42039.7 | 0.0 | U/P |
| 6.867 | 18.5523 | 0.0000 | 72.562 | 3.13080 | 0.00000 | 119405.0 | 42289.9 | 0.0 | U/P |
| 6.889 | 18.5630 | 0.0000 | 72.585 | 3.13897 | 0.00000 | 120889.6 | 42540.7 | 0.0 | U/P |
| 6.911 | 18.5715 | 0.0000 | 72.608 | 3.14712 | 0.00000 | 122375.0 | 42792.1 | 0.0 | U/P |
| 6.933 | 18.5783 | 0.0000 | 72.630 | 3.15524 | 0.00000 | 123861.0 | 43044.2 | 0.0 | U/P |
| 6.956 | 18.5840 | 0.0000 | 72.653 | 3.16335 | 0.00000 | 125347.5 | 43297.0 | 0.0 | U/P |
| 6.978 | 18.5889 | 0.0000 | 72.675 | 3.17143 | 0.00000 | 126834.4 | 43550.3 | 0.0 | U/P |
| 7.000 | 18.5931 | 0.0000 | 72.698 | 3.17950 | 0.00000 | 128321.7 | 43804.4 | 0.0 | U/P |
| 7.022 | 18.6475 | 0.0000 | 72.720 | 3.18754 | 0.00000 | 129811.3 | 44059.1 | 0.0 | U/P |
| 7.044 | 18.8372 | 0.0000 | 72.743 | 3.19560 | 0.00000 | 131310.7 | 44314.4 | 0.0 | U/P |
| 7.067 | 19.2653 | 0.0000 | 72.766 | 3.20375 | 0.00000 | 132834.8 | 44570.4 | 0.0 | U/P |
| 7.089 | 19.9316 | 0.0000 | 72.789 | 3.21210 | 0.00000 | 134402.6 | 44827.0 | 0.0 | U/P |
| 7.111 | 20.7113 | 0.0000 | 72.814 | 3.22074 | 0.00000 | 136028.4 | 45084.3 | 0.0 | U/P |
| 7.133 | 21.4754 | 0.0000 | 72.840 | 3.22975 | 0.00000 | 137715.8 | 45342.3 | 0.0 | U/P |
| 7.156 | 22.1430 | 0.0000 | 72.866 | 3.23910 | 0.00000 | 139460.6 | 45601.1 | 0.0 | U/P |
| 7.178 | 22.6554 | 0.0000 | 72.893 | 3.24876 | 0.00000 | 141252.5 | 45860.6 | 0.0 | U/P |
| 7.200 | 23.0180 | 0.0000 | 72.921 | 3.25864 | 0.00000 | 143079.4 | 46120.9 | 0.0 | U/P |
| 7.222 | 23.2756 | 0.0000 | 72.949 | 3.26868 | 0.00000 | 144931.2 | 46382.0 | 0.0 | U/P |
| 7.244 | 23.4643 | 0.0000 | 72.978 | 3.27882 | 0.00000 | 146800.8 | 46643.8 | 0.0 | U/P |
| 7.267 | 23.6014 | 0.0000 | 73.006 | 3.28904 | 0.00000 | 148683.4 | 46906.6 | 0.0 | U/P |
| 7.289 | 23.7009 | 0.0000 | 73.035 | 3.29938 | 0.00000 | 150575.5 | 47170.1 | 0.0 | U/P |
| 7.311 | 23.7735 | 0.0000 | 73.063 | 3.30979 | 0.00000 | 152474.5 | 47434.5 | 0.0 | U/P |
| 7.333 | 23.8261 | 0.0000 | 73.092 | 3.32020 | 0.00000 | 154378.4 | 47699.7 | 0.0 | U/P |
| 7.356 | 23.8648 | 0.0000 | 73.120 | 3.33061 | 0.00000 | 156286.1 | 47965.7 | 0.0 | U/P |
| 7.378 | 23.8935 | 0.0000 | 73.149 | 3.34099 | 0.00000 | 158196.4 | 48232.6 | 0.0 | U/P |
| 7.400 | 23.9148 | 0.0000 | 73.177 | 3.35136 | 0.00000 | 160108.8 | 48500.3 | 0.0 | U/P |
| 7.422 | 23.9307 | 0.0000 | 73.206 | 3.36169 | 0.00000 | 162022.6 | 48768.8 | 0.0 | U/P |
| 7.444 | 23.9428 | 0.0000 | 73.234 | 3.37200 | 0.00000 | 163937.5 | 49038.1 | 0.0 | U/P |
| 7.467 | 23.9525 | 0.0000 | 73.262 | 3.38228 | 0.00000 | 165853.3 | 49308.3 | 0.0 | U/P |
| 7.489 | 23.9602 | 0.0000 | 73.290 | 3.39252 | 0.00000 | 167769.8 | 49579.3 | 0.0 | U/P |
| 7.511 | 23.9660 | 0.0000 | 73.318 | 3.40274 | 0.00000 | 169686.9 | 49851.1 | 0.0 | U/P |
| 7.533 | 24.0629 | 0.0000 | 73.346 | 3.41293 | 0.00000 | 171608.0 | 50123.7 | 0.0 | U/P |
| 7.556 | 24.3568 | 0.0000 | 73.374 | 3.42315 | 0.00000 | 173544.8 | 50397.2 | 0.0 | U/P |
| 7.578 | 24.9829 | 0.0000 | 73.403 | 3.43349 | 0.00000 | 175518.4 | 50671.4 | 0.0 | U/P |
| 7.600 | 25.8730 | 0.0000 | 73.432 | 3.44410 | 0.00000 | 177552.6 | 50946.5 | 0.0 | U/P |
| 7.622 | 26.8385 | 0.0000 | 73.463 | 3.45508 | 0.00000 | 179661.1 | 51222.5 | 0.0 | U/P |
| 7.644 | 27.7419 | 0.0000 | 73.495 | 3.46647 | 0.00000 | 181844.3 | 51499.3 | 0.0 | U/P |
| 7.667 | 28.5035 | 0.0000 | 73.528 | 3.47825 | 0.00000 | 184094.1 | 51777.1 | 0.0 | U/P |
| 7.689 | 29.0553 | 0.0000 | 73.561 | 3.49035 | 0.00000 | 186396.5 | 52055.9 | 0.0 | U/P |
| 7.711 | 29.4409 | 0.0000 | 73.595 | 3.50266 | 0.00000 | 188736.3 | 52335.6 | 0.0 | U/P |
| 7.733 | 29.7179 | 0.0000 | 73.630 | 3.51512 | 0.00000 | 191102.7 | 52616.3 | 0.0 | U/P |
| 7.756 | 29.9229 | 0.0000 | 73.664 | 3.52767 | 0.00000 | 193488.3 | 52898.0 | 0.0 | U/P |
| 7.778 | 30.0694 | 0.0000 | 73.699 | 3.54026 | 0.00000 | 195888.0 | 53180.7 | 0.0 | U/P |
| 7.800 | 30.1764 | 0.0000 | 73.733 | 3.55288 | 0.00000 | 198297.8 | 53464.4 | 0.0 | U/P |
| 7.822 | 30.2540 | 0.0000 | 73.768 | 3.56550 | 0.00000 | 200715.0 | 53749.2 | 0.0 | U/P |
| 7.844 | 30.3099 | 0.0000 | 73.803 | 3.57811 | 0.00000 | 203137.6 | 54034.9 | 0.0 | U/P |
| 7.867 | 30.3511 | 0.0000 | 73.837 | 3.59069 | 0.00000 | 205564.0 | 54321.7 | 0.0 | U/P |
| 7.889 | 30.3814 | 0.0000 | 73.871 | 3.60324 | 0.00000 | 207993.3 | 54609.4 | 0.0 | U/P |
| 7.911 | 30.4038 | 0.0000 | 73.906 | 3.61576 | 0.00000 | 210424.8 | 54898.2 | 0.0 | U/P |
| 7.933 | 30.4202 | 0.0000 | 73.940 | 3.62824 | 0.00000 | 212857.7 | 55188.0 | 0.0 | U/P |
| 7.956 | 30.4327 | 0.0000 | 73.974 | 3.64067 | 0.00000 | 215291.8 | 55478.7 | 0.0 | U/P |
| 7.978 | 30.4428 | 0.0000 | 74.008 | 3.65309 | 0.00000 | 217726.8 | 55770.5 | 0.0 | U/P |
| 8.000 | 30.4840 | 0.0000 | 74.042 | 3.66557 | 0.00000 | 220163.9 | 56063.2 | 0.0 0.0 | U/P |
| 8.022 | 30.6533 | 0.0000 | 74.076 | 3.67811 | 0.00000 | 222609.4 | 56356.9 | 0.0 | U/P |
| 8.044 | 31.0635 | 0.0000 | 74.110 | 3.69068 | 0.00000 | 225078.1 | 56651.7 | 0.0 | U/P |
| 8.067 | 31.7712 | 0.0000 | 74.144 | 3.70341 | 0.00000 | 227591.5 | 56947.5 | 0.0 | U/P |
| 8.089 | 32.6636 | 0.0000 | 74.180 | 3.71640 | 0.00000 | 230168.9 | 57244.2 | 0.0 | U/P |
| 8.111 | 33.5743 | 0.0000 | 74.216 | 3.72973 | 0.00000 | 232818.4 | 57542.1 | 0.0 | U/P |
| 8.133 | 34.3929 | 0.0000 | 74.254 | 3.74341 | 0.00000 | 235537.1 | 57841.0 | 0.0 | U/P |
| 8.156 | 35.0481 | 0.0000 | 74.292 | 3.75740 | 0.00000 | 238314.7 | 58141.0 | 0.0 0.0 | U/P |
| 8.178 | 35.5149 | 0.0000 | 74.331 | 3.77162 | 0.00000 | 241137.2 | 58442.2 | 0.0 | U/P |
| 8.200 | 35.8434 | 0.0000 | 74.370 | 3.78601 | 0.00000 | 243991.5 | 58744.5 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 12 - 100 Year / 24 Hour Routing

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{H}^{1 / 5}$ ) | Outside Recharge (fUday) | Stage Elevation (ft datum) | Infiltration Rate (fis/s) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ff}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 8.222 | 36.0816 | 0.0000 | 74.409 | 3.80048 | 0.00000 | 246868.5 | 59047.9 | 0.0 | U/P |
| 8.244 | 36.2561 | 0.0000 | 74.448 | 3.81501 | 0.00000 | 249762.1 | 59352.6 | 0.0 | U/P |
| 8.267 | 36.3813 | 0.0000 | 74.487 | 3.82955 | 0.00000 | 252667.5 | 59658.3 | 0.0 | U/P |
| 8.289 | 36.4725 | 0.0000 | 74.527 | 3.84409 | 0.00000 | 255581.7 | 59965.3 | 0.0 | U/P |
| 8.311 | 36.5384 | 0.0000 | 74.566 | 3.85861 | 0.00000 | 258502.1 | 60273.4 | 0.0 | U/P |
| 8.333 | 36.5861 | 0.0000 | 74.605 | 3.87310 | 0.00000 | 261427.1 | 60582.7 | 0.0 | U/P |
| 8.356 | 36.6212 | 0.0000 | 74.644 | 3.88755 | 0.00000 | 264355.4 | 60893.1 | 0.0 | U/P |
| 8.378 | 36.6469 | 0.0000 | 74.683 | 3.90195 | 0.00000 | 267286.2 | 61204.7 | 0.0 | U/P |
| 8.400 | 36.6658 | 0.0000 | 74.721 | 3.91631 | 0.00000 | 270218.7 | 61517.4 | 0.0 | U/P |
| 8.422 | 36.6797 | 0.0000 | 74.760 | 3.93062 | 0.00000 | 273152.5 | 61831.3 | 0.0 | U/P |
| 8.444 | 36.6904 | 0.0000 | 74.798 | 3.94488 | 0.00000 | 276087.3 | 62146.3 | 0.0 | U/P |
| 8.467 | 36.6988 | 0.0000 | 74.837 | 3.95908 | 0.00000 | 279022.8 | 62462.5 | 0.0 | U/P |
| 8.489 | 36.7050 | 0.0000 | 74.875 | 3.97323 | 0.00000 | 281959.0 | 62779.8 | 0.0 | U/P |
| 8.511 | 36.7092 | 0.0000 | 74.913 | 3.98732 | 0.00000 | 284895.6 | 63098.2 | 0.0 | U/P |
| 8.533 | 36.7115 | 0.0000 | 74.951 | 4.00137 | 0.00000 | 287832.4 | 63417.7 | 0.0 | U/P |
| 8.556 | 36.7126 | 0.0000 | 74.988 | 4.01535 | 0.00000 | 290769.4 | 63738.4 | 0.0 | U/P |
| 8.578 | 36.7136 | 0.0000 | 75.026 | 4.02936 | 0.00000 | 293706.4 | 64060.2 | 0.0 | U/P |
| 8.600 | 36.7146 | 0.0000 | 75.063 | 4.04343 | 0.00000 | 296643.5 | 64383.1 | 0.0 | U/P |
| 8.622 | 36.7155 | 0.0000 | 75.101 | 4.05747 | 0.00000 | 299580.8 | 64707.1 | 0.0 | U/P |
| 8.644 | 36.7164 | 0.0000 | 75.138 | 4.07146 | 0.00000 | 302518.0 | 65032.3 | 0.0 | U/P |
| 8.667 | 36.7174 | 0.0000 | 75.175 | 4.08539 | 0.00000 | 305455.4 | 65358.6 | 0.0 | U/P |
| 8.689 | 36.7182 | 0.0000 | 75.212 | 4.09928 | 0.00000 | 308392.8 | 65686.0 | 0.0 | U/P |
| 8.711 | 36.7191 | 0.0000 | 75.248 | 4.11310 | 0.00000 | 311330.3 | 66014.5 | 0.0 | U/P |
| 8.733 | 36.7200 | 0.0000 | 75.285 | 4.12688 | 0.00000 | 314267.8 | 66344.1 | 0.0 | U/P |
| 8.756 | 36.7208 | 0.0000 | 75.321 | 4.14061 | 0.00000 | 317205.5 | 66674.8 | 0.0 | U/P |
| 8.778 | 36.7216 | 0.0000 | 75.358 | 4.15429 | 0.00000 | 320143.2 | 67006.6 | 0.0 | U/P |
| 8.800 | 36.7224 | 0.0000 | 75.394 | 4.16791 | 0.00000 | 323080.9 | 67339.4 | 0.0 | U/P |
| 8.822 | 36.7232 | 0.0000 | 75.430 | 4.18149 | 0.00000 | 326018.8 | 67673.4 | 0.0 | U/P |
| 8.844 | 36.7240 | 0.0000 | 75.466 | 4.19501 | 0.00000 | 328956.7 | 68008.5 | 0.0 | U/P |
| 8.867 | 36.7247 | 0.0000 | 75.502 | 4.20849 | 0.00000 | 331894.6 | 68344.6 | 0.0 | U/P |
| 8.889 | 36.7255 | 0.0000 | 75.537 | 4.22192 | 0.00000 | 334832.6 | 68681.8 | 0.0 | U/P |
| 8.911 | 36.7262 | 0.0000 | 75.573 | 4.23530 | 0.00000 | 337770.7 | 69020.1 | 0.0 | U/P |
| 8.933 | 36.7269 | 0.0000 | 75.608 | 4.24864 | 0.00000 | 340708.8 | 69359.5 | 0.0 | U/P |
| 8.956 | 36.7275 | 0.0000 | 75.643 | 4.26193 | 0.00000 | 343647.0 | 69699.9 | 0.0 | U/P |
| 8.978 | 36.7282 | 0.0000 | 75.679 | 4.27517 | 0.00000 | 346585.2 | 70041.4 | 0.0 | U/P |
| 9.000 | 36.7288 | 0.0000 | 75.714 | 4.28836 | 0.00000 | 349523.5 | 70383.9 | 0.0 | U/P |
| 9.022 | 36.5642 | 0.0000 | 75.748 | 4.30149 | 0.00000 | 352455.2 | 70727.5 | 0.0 | U/P |
| 9.044 | 36.0527 | 0.0000 | 75.783 | 4.31450 | 0.00000 | 355359.9 | 71072.2 | 0.0 | U/P |
| 9.067 | 34.9628 | 0.0000 | 75.816 | 4.32723 | 0.00000 | 358200.5 | 71417.8 | 0.0 | U/P |
| 9.089 | 33.4269 | 0.0000 | 75.848 | 4.33949 | 0.00000 | 360936.1 | 71764.5 | 0.0 | U/P |
| 9.111 | 31.7752 | 0.0000 | 75.878 | 4.35113 | 0.00000 | 363544.2 | 72112.2 | 0.0 | U/P |
| 9.133 | 30.2392 | 0.0000 | 75.906 | 4.36210 | 0.00000 | 366024.8 | 72460.7 | 0.0 | U/P |
| 9.156 | 28.9509 | 0.0000 | 75.933 | 4.37244 | 0.00000 | 368392.3 | 72810.1 | 0.0 | U/P |
| 9.178 | 28.0260 | 0.0000 | 75.958 | 4.38226 | 0.00000 | 370671.4 | 73160.3 | 0.0 | U/P |
| 9.200 | 27.3820 | 0.0000 | 75.983 | 4.39167 | 0.00000 | 372887.8 | 73511.3 | 0.0 | U/P |
| 9.222 | 26.9197 | 0.0000 | 76.007 | 4.40081 | 0.00000 | 375059.8 | 73863.0 | 0.0 | U/P |
| 9.244 | 26.5780 | 0.0000 | 76.030 | 4.40981 | 0.00000 | 377199.7 | 74215.4 | 0.0 | U/P |
| 9.267 | 26.3354 | 0.0000 | 76.054 | 4.41869 | 0.00000 | 379316.3 | 74568.5 | 0.0 | U/P |
| 9.289 | 26.1589 | 0.0000 | 76.076 | 4.42746 | 0.00000 | 381416.0 | 74922.4 | 0.0 | U/P |
| 9.311 | 26.0319 | 0.0000 | 76.099 | 4.43613 | 0.00000 | 383503.7 | 75276.9 | 0.0 | U/P |
| 9.333 | 25.9413 | 0.0000 | 76.121 | 4.44473 | 0.00000 | 385582.6 | 75632.2 | 0.0 | U/P |
| 9.356 | 25.8754 | 0.0000 | 76.144 | 4.45327 | 0.00000 | 387655.3 | 75988.1 | 0.0 | U/P |
| 9.378 | 25.8278 | 0.0000 | 76.166 | 4.46177 | 0.00000 | 389723.4 | 76344.7 | 0.0 | U/P |
| 9.400 | 25.7933 | 0.0000 | 76.188 | 4.47023 | 0.00000 | 391788.2 | 76702.0 | 0.0 | U/P |
| 9.422 | 25.7688 | 0.0000 | 76.210 | 4.47865 | 0.00000 | 393850.7 | 77059.9 | 0.0 | U/P |
| 9.444 | 25.7508 | 0.0000 | 76.232 | 4.48704 | 0.00000 | 395911.5 | 77418.6 | 0.0 | U/P |
| 9.467 | 25.7368 | 0.0000 | 76.254 | 4.49541 | 0.00000 | 397971.0 | 77777.9 | 0.0 | U/P |
| 9.489 | 25.7268 | 0.0000 | 76.276 | 4.50376 | 0.00000 | 400029.5 | 78137.8 | 0.0 | U/P |
| 9.511 | 25.7156 | 0.0000 | 76.297 | 4.51208 | 0.00000 | 402087.2 | 78498.5 | 0.0 | U/P |
| 9.533 | 25.6874 | 0.0000 | 76.319 | 4.52037 | 0.00000 | 404143.3 | 78859.8 | 0.0 | U/P |
| 9.556 | 25.6241 | 0.0000 | 76.341 | 4.52864 | 0.00000 | 406195.8 | 79221.7 | 0.0 | U/P |
| 9.578 | 25.5122 | 0.0000 | 76.362 | 4.53686 | 0.00000 | 408241.3 | 79584.3 | 0,0 | U/P |
| 9.600 | 25.3693 | 0.0000 | 76.384 | 4.54502 | 0.00000 | 410276.5 | 79947.6 | 0.0 | U/P |
| 9.622 | 25.2225 | 0.0000 | 76.405 | 4.55311 | 0.00000 | 412300.2 | 80311.5 | 0.0 | U/P |
| 9.644 | 25.0902 | 0.0000 | 76.426 | 4.56113 | 0.00000 | 414312.7 | 80676.1 | 0.0 | U/P |
| 9.667 | 24.9837 | 0.0000 | 76.446 | 4.56908 | 0.00000 | 416315.7 | 81041.3 | 0.0 | U/P |
| 9.689 | 24.9079 | 0.0000 | 76.467 | 4.57697 | 0.00000 | 418311.3 | 81407.2 | 0.0 | U/P |
| 9.711 | 24.8548 | 0.0000 | 76.487 | 4.58482 | 0.00000 | 420301.8 | 81773.6 | 0.0 | U/P |
| 9.733 | 24.8164 | 0.0000 | 76.508 | 4.59263 | 0.00000 | 422288.7 | 82140.7 | 0.0 | U/P |
| 9.756 | 24.7883 | 0.0000 | 76.528 | 4.60041 | 0.00000 | 424272.9 | 82508.5 | 0.0 | U/P |
| 9.778 | 24.7683 | 0.0000 | 76.548 | 4.60816 | 0.00000 | 426255.1 | 82876.8 | 0.0 | U/P |
| 9.800 | 24.7539 | 0.0000 | 76.569 | 4.61588 | 0.00000 | 428236.0 | 83245.8 | 0.0 | U/P |
| 9.822 | 24.7435 | 0.0000 | 76.589 | 4.62359 | 0.00000 | 430215.9 | 83615.3 | 0.0 | U/P |
| 9.844 | 24.7361 | 0.0000 | 76.609 | 4.63127 | 0.00000 | 432195.1 | 83985.5 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 12 - 100 Year / 24 Hour Routing

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (fUday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{fi}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 9.867 | 24.7308 | 0.0000 | 76.629 | 4.63894 | 0.00000 | 434173.8 | 84356.3 | 0.0 | U/P |
| 9.889 | 24.7270 | 0.0000 | 76.649 | 4.64659 | 0.00000 | 436152.4 | 84727.8 | 0.0 | U/P |
| 9.911 | 24.7243 | 0.0000 | 76.669 | 4.65422 | 0.00000 | 438130.1 | 85099.8 | 0.0 | U/P |
| 9.933 | 24.7224 | 0.0000 | 76.689 | 4.66184 | 0.00000 | 440108.0 | 85472.4 | 0.0 | U/P |
| 9.956 | 24.7210 | 0.0000 | 76.709 | 4.66944 | 0.00000 | 442085.7 | 85845.7 | 0.0 | U/P |
| 9.978 | 24.7199 | 0.0000 | 76.729 | 4.67702 | 0.00000 | 444063.4 | 86219.6 | 0.0 | U/P |
| 10.000 | 24.7193 | 0.0000 | 76.748 | 4.68459 | 0.00000 | 446040.9 | 86594.0 | 0.0 | U/P |
| 10.022 | 24.6035 | 0.0000 | 76.768 | 4.69213 | 0.00000 | 448013.8 | 86969.1 | 0.0 | U/P |
| 10.044 | 24.1808 | 0.0000 | 76.787 | 4.69960 | 0.00000 | 449965.2 | 87344.8 | 0.0 | U/P |
| 10.067 | 23.2182 | 0.0000 | 76.806 | 4.70687 | 0.00000 | 451861.2 | 87721.0 | 0.0 | U/P |
| 10.089 | 21.7167 | 0.0000 | 76.824 | 4.71376 | 0.00000 | 453658.6 | 88097.9 | 0.0 | U/P |
| 10.111 | 19.9593 | 0.0000 | 76.839 | 4.72011 | 0.00000 | 455325.6 | 88475.2 | 0.0 | U/P |
| 10.133 | 18.2371 | 0.0000 | 76.854 | 4.72582 | 0.00000 | 456853.5 | 88853.1 | 0.0 | U/P |
| 10.156 | 16.7335 | 0.0000 | 76.866 | 4.73089 | 0.00000 | 458252.3 | 89231.4 | 0.0 | U/P |
| 10.178 | 15.5811 | 0.0000 | 76.877 | 4.73540 | 0.00000 | 459544.9 | 89610.0 | 0.0 | U/P |
| 10.200 | 14.7677 | 0.0000 | 76.887 | 4.73948 | 0.00000 | 460758.8 | 89989.0 | 0.0 | U/P |
| 10.222 | 14.1915 | 0.0000 | 76.897 | 4.74324 | 0.00000 | 461917.2 | 90368.3 | 0.0 | U/P |
| 10.244 | 13.7709 | 0.0000 | 76.906 | 4.74677 | 0.00000 | 463035.7 | 90747.9 | 0.0 | U/P |
| 10.267 | 13.4670 | 0.0000 | 76.915 | 4.75014 | 0.00000 | 464125.2 | 91127.8 | 0.0 | U/P |
| 10.289 | 13.2481 | 0.0000 | 76.923 | 4.75339 | 0.00000 | 465193.8 | 91508.0 | 0.0 | U/P |
| 10.311 | 13.0899 | 0.0000 | 76.931 | 4.75656 | 0.00000 | 466247.3 | 91888.4 | 0.0 | U/P |
| 10.333 | 12.9764 | 0.0000 | 76.939 | 4.75966 | 0.00000 | 467290.0 | 92269.0 | 0.0 | U/P |
| 10.356 | 12.8946 | 0.0000 | 76.947 | 4.76271 | 0.00000 | 468324.8 | 92649.9 | 0.0 | U/P |
| 10.378 | 12.8352 | 0.0000 | 76.955 | 4.76573 | 0.00000 | 469354.0 | 93031.0 | 0.0 | U/P |
| 10.400 | 12.7922 | 0.0000 | 76.963 | 4.76872 | 0.00000 | 470379.1 | 93412.4 | 0.0 | U/P |
| 10.422 | 12.7613 | 0.0000 | 76.971 | 4.77170 | 0.00000 | 471401.3 | 93794.0 | 0.0 | U/P |
| 10.444 | 12.7389 | 0.0000 | 76.978 | 4.77466 | 0.00000 | 472421.3 | 94175.9 | 0.0 | U/P |
| 10.467 | 12.7219 | 0.0000 | 76.986 | 4.77760 | 0.00000 | 473439.7 | 94558.0 | 0.0 | U/P |
| 10.489 | 12.7092 | 0.0000 | 76.994 | 4.78054 | 0.00000 | 474456.9 | 94940.3 | 0.0 | U/P |
| 10.511 | 12.7006 | 0.0000 | 77.001 | 4.78348 | 0.00000 | 475473.3 | 95322.9 | 0.0 | U/P |
| 10.533 | 12.7149 | 0.0000 | 77.009 | 4.78643 | 0.00000 | 476489.9 | 95705.7 | 0.0 | U/P |
| 10.556 | 12.7741 | 0.0000 | 77.017 | 4.78941 | 0.00000 | 477509.5 | 96088.7 | 0.0 | U/P |
| 10.578 | 12.9036 | 0.0000 | 77.024 | 4.79240 | 0.00000 | 478536.6 | 96472.0 | 0.0 | U/P |
| 10.600 | 13.0878 | 0.0000 | 77.032 | 4.79544 | 0.00000 | 479576.3 | 96855.5 | 0.0 | U/P |
| 10.622 | 13.2876 | 0.0000 | 77.040 | 4.79855 | 0.00000 | 480631.3 | 97239.2 | 0.0 | U/P |
| 10.644 | 13.4745 | 0.0000 | 77.049 | 4.80172 | 0.00000 | 481701.8 | 97623.2 | 0.0 | U/P |
| 10.667 | 13.6320 | 0.0000 | 77.057 | 4.80496 | 0.00000 | 482786.0 | 98007.5 | 0.0 | U/P |
| 10.689 | 13.7460 | 0.0000 | 77.066 | 4.80825 | 0.00000 | 483881.1 | 98392.0 | 0.0 | U/P |
| 10.711 | 13.8256 | 0.0000 | 77.074 | 4.81158 | 0.00000 | 484984.0 | 98776.8 | 0.0 | U/P |
| 10.733 | 13.8826 | 0.0000 | 77.083 | 4.81494 | 0.00000 | 486092.3 | 99161.9 | 0.0 | U/P |
| 10.756 | 13.8247 | 0.0000 | 77.092 | 4.81832 | 0.00000 | 487204.6 | 99547.2 | 0.0 | U/P |
| 10.778 | 13.9546 | 0.0000 | 77.101 | 4.82170 | 0.00000 | 488319.8 | 99932.8 | 0.0 | U/P |
| 10.800 | 13.9764 | 0.0000 | 77.109 | 4.82510 | 0.00000 | 489437.0 | 100318.7 | 0.0 | U/P |
| 10.822 | 13.9921 | 0.0000 | 77.118 | 4.82850 | 0.00000 | 490555.8 | 100704.8 | 0.0 | U/P |
| 10.844 | 14.0034 | 0.0000 | 77.127 | 4.83191 | 0.00000 | 491675.6 | 101091.3 | 0.0 | U/P |
| 10.867 | 14.0115 | 0.0000 | 77.136 | 4.83531 | 0.00000 | 492796.2 | 101477.9 | 0.0 | U/P |
| 10.889 | 14.0175 | 0.0000 | 77.144 | 4.83872 | 0.00000 | 493917.3 | 101864.9 | 0.0 | U/P |
| 10.911 | 14.0218 | 0.0000 | 77.153 | 4.84212 | 0.00000 | 495038.9 | 102252.1 | 0.0 | U/P |
| 10.933 | 14.0249 | 0.0000 | 77.162 | 4.84552 | 0.00000 | 496160.8 | 102639.6 | 0.0 | U/P |
| 10.956 | 14.0271 | 0.0000 | 77.171 | 4.84892 | 0.00000 | 497282.9 | 103027.4 | 0.0 | U/P |
| 10.978 | 14.0289 | 0.0000 | 77.180 | 4.85231 | 0.00000 | 498405.1 | 103415.5 | 0.0 | U/P |
| 11.000 | 13.9977 | 0.0000 | 77.188 | 4.85570 | 0.00000 | 499526.2 | 103803.8 | 0.0 | U/P |
| 17.022 | 13.8403 | 0.0000 | 77.197 | 4.85907 | 0.00000 | 500639.7 | 104192.4 | 0.0 | U/P |
| 11.044 | 13.4476 | 0.0000 | 77.205 | 4.86236 | 0.00000 | 501731.2 | 104581.2 | 0.0 | U/P |
| 11.067 | 12.7649 | 0.0000 | 77.213 | 4.86550 | 0.00000 | 502779.7 | 104970.4 | 0.0 | U/P |
| 11.089 | 11.9037 | 0.0000 | 77.220 | 4.86840 | 0.00000 | 503766.4 | 105359.7 | 0.0 | U/P |
| 11.111 | 11.0248 | 0.0000 | 77.226 | 4.87099 | 0.00000 | 504683.6 | 105749.3 | 0.0 | U/P |
| 11.133 | 10.2350 | 0.0000 | 77.232 | 4.87327 | 0.00000 | 505534.0 | 106139.1 | 0.0 | U/P |
| 11.156 | 9.6031 | 0.0000 | 77.237 | 4.87525 | 0.00000 | 506327.5 | 106529.0 | 0.0 | U/P |
| 11.178 | 9.1534 | 0.0000 | 77.241 | 4.87701 | 0.00000 | 507077.8 | 106919.1 | 0.0 | U/P |
| 11.200 | 8.8375 | 0.0000 | 77.245 | 4.87860 | 0.00000 | 507797.4 | 107309.3 | 0.0 | U/P |
| 11.222 | 8.6087 | 0.0000 | 77.249 | 4.88006 | 0.00000 | 508495.3 | 107699.7 | 0.0 | U/P |
| 11.244 | 8.4416 | 0.0000 | 77.252 | 4.88144 | 0.00000 | 509177.3 | 108090.2 | 0.0 | U/P |
| 11.267 | 8.3220 | 0.0000 | 77.255 | 4.88275 | 0.00000 | 509847.8 | 108480.7 | 0.0 | U/P |
| 11.289 | 8.2353 | 0.0000 | 77.259 | 4.88402 | 0.00000 | 510510.1 | 108871.4 | 0.0 | U/P |
| 11.311 | 8.1730 | 0.0000 | 77.262 | 4.88525 | 0.00000 | 511166.4 | 109262.2 | 0.0 | U/P |
| 11.333 | 8.1283 | 0.0000 | 77.265 | 4.88646 | 0.00000 | 511818.5 | 109653.0 | 0.0 | U/P |
| 11.356 | 8.0958 | 0.0000 | 77.268 | 4.88765 | 0.00000 | 512467.5 | 110044.0 | 0.0 | U/P |
| 11.378 | 8.0723 | 0.0000 | 77.271 | 4.88883 | 0.00000 | 513114.2 | 110435.1 | 0.0 | U/P |
| 11.400 | 8.0553 | 0.0000 | 77.274 | 4.89000 | 0.00000 | 513759.3 | 110826.2 | 0.0 | U/P |
| 11.422 | 8.0431 | 0.0000 | 77.277 | 4.89176 | 0.00000 | 514403.2 | 111217.5 | 0.0 | U/P |
| 11.444 | 8.0340 | 0.0000 | 77.280 | 4.89232 | 0.00000 | 515046.3 | 111608.8 | 0.0 | U/P |
| 11.467 | 8.0270 | 0.0000 | 77.283 | 4.89347 | 0.00000 | 515688.8 | 112000.2 | 0.0 | U/P |
| 11.489 | 8.0221 | 0.0000 | 77.286 | 4.89462 | 0.00000 | 516330.7 | 112391.8 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 12-100 Year / 24 Hour Routing

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (fl/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Cumulative inflow Volume (fi3) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume $\left(\left\{_{1}{ }^{3}\right)\right.$ | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 11.511 | 8.0158 | 0.0000 | 77.289 | 4.89577 | 0.00000 | 516972.3 | 112783.4 | 0.0 | U/P |
| 11.533 | 8.0025 | 0.0000 | 77.292 | 4.89691 | 0.00000 | 517613.0 | 113175.1 | 0.0 | U/P |
| 11.556 | 7.9751 | 0.0000 | 77.295 | 4.89805 | 0.00000 | 518252.1 | 113566.9 | 0.0 | U/P |
| 11.578 | 7.9329 | 0.0000 | 77.297 | 4.89917 | 0.00000 | 518888.4 | 113958.8 | 0.0 | U/P |
| 11.600 | 7.8840 | 0.0000 | 77.300 | 4.90028 | 0.00000 | 519521.1 | 114350.7 | 0.0 | U/P |
| 11.622 | 7.8364 | 0.0000 | 77.303 | 4.90137 | 0.00000 | 520149.9 | 114742.8 | 0.0 | U/P |
| 11.644 | 7.7950 | 0.0000 | 77.306 | 4.90245 | 0.00000 | 520775.2 | 115135.0 | 0.0 | U/P |
| 11.667 | 7.7635 | 0.0000 | 77.309 | 4.90351 | 0.00000 | 521397.5 | 115527.2 | 0.0 | U/P |
| 11.689 | 7.7413 | 0.0000 | 77.311 | 4.90456 | 0.00000 | 522017.7 | 115919.5 | 0.0 | U/P |
| 11.711 | 7.7255 | 0.0000 | 77.314 | 4.90559 | 0.00000 | 522636.3 | 116311.9 | 0.0 | U/P |
| 11.733 | 7.7140 | 0.0000 | 77.317 | 4.90663 | 0.00000 | 523253.9 | 116704.4 | 0.0 | U/P |
| 11.756 | 7.7057 | 0.0000 | 77.319 | 4.90765 | 0.00000 | 523870.7 | 117097.0 | 0.0 | U/P |
| 11.778 | 7.6997 | 0.0000 | 77.322 | 4.90868 | 0.00000 | 524486.9 | 117489.6 | 0.0 | U/P |
| 11.800 | 7.6954 | 0.0000 | 77.324 | 4.90970 | 0.00000 | 525102.8 | 117882.4 | 0.0 | U/P |
| 11.822 | 7.6923 | 0.0000 | 77.327 | 4.91072 | 0.00000 | 525718.3 | 118275.2 | 0.0 | U/P |
| 11.844 | 7.6901 | 0.0000 | 77.330 | 4.91173 | 0.00000 | 526333.6 | 118668.1 | 0.0 | U/P |
| 11.867 | 7.6884 | 0.0000 | 77.332 | 4.91275 | 0.00000 | 526948.7 | 119061.1 | 0.0 | U/P |
| 11.889 | 7.6873 | 0.0000 | 77.335 | 4.91376 | 0.00000 | 527563.7 | 119454.1 | 0.0 | U/P |
| 11.911 | 7.6864 | 0.0000 | 77.338 | 4.91477 | 0.00000 | 528178.7 | 119847.3 | 0.0 | U/P |
| 11.933 | 7.6858 | 0.0000 | 77.340 | 4.91578 | 0.00000 | 528793.6 | 120240.5 | 0.0 | U/P |
| 11.956 | 7.6854 | 0.0000 | 77.343 | 4.91680 | 0.00000 | 529408.4 | 120633.8 | 0.0 | U/P |
| 11.978 | 7.6850 | 0.0000 | 77.345 | 4.91781 | 0.00000 | 530023.2 | 121027.2 | 0.0 | U/P |
| 12.000 | 7.6848 | 0.0000 | 77.348 | 4.91882 | 0.00000 | 530638.0 | 121420.6 | 0.0 | U/P |
| 12.022 | 7.6897 | 0.0000 | 77.351 | 4.91983 | 0.00000 | 531253.0 | 121814.2 | 0.0 | U/P |
| 12.044 | 7.7052 | 0.0000 | 77.353 | 4.92084 | 0.00000 | 531868.8 | 122207.8 | 0.0 | U/P |
| 12.067 | 7.7382 | 0.0000 | 77.356 | 4.92185 | 0.00000 | 532486.5 | 122601.5 | 0.0 | U/P |
| 12.089 | 7.7847 | 0.0000 | 77.359 | 4.92288 | 0.00000 | 533107.4 | 122995.3 | 0.0 | U/P |
| 12.111 | 7.8347 | 0.0000 | 77.361 | 4.92392 | 0.00000 | 533732.2 | 123389.2 | 0.0 | U/P |
| 12.133 | 7.8813 | 0.0000 | 77.364 | 4.92499 | 0.00000 | 534360.9 | 123783.1 | 0.0 | U/P |
| 12.156 | 7,9203 | 0.0000 | 77.367 | 4.92606 | 0.00000 | 534992.9 | 124177.2 | 0.0 | U/P |
| 12.178 | 7.9483 | 0.0000 | 77.370 | 4.92715 | 0.00000 | 535627.7 | 124571.3 | 0.0 | U/P |
| 12.200 | 7.9678 | 0.0000 | 77.372 | 4.92825 | 0.00000 | 536264.3 | 124965.5 | 0.0 | U/P |
| 12.222 | 7.9818 | 0.0000 | 77.375 | 4.92936 | 0.00000 | 536902.3 | 125359.8 | 0.0 | U/P |
| 12.244 | 7.9922 | 0.0000 | 77.378 | 4.93047 | 0.00000 | 537541.3 | $\ddagger 25754.2$ | 0.0 | U/P |
| 12.267 | 7.9996 | 0.0000 | 77.381 | 4.93158 | 0.00000 | 538180.9 | 126148.7 | 0.0 | U/P |
| 12.289 | 8.0049 | 0.0000 | 77.384 | 4.93270 | 0.00000 | 538821.1 | 126543.3 | 0.0 | $U / P$ |
| 12.311 | 8.0088 | 0.0000 | 77.387 | 4.93382 | 0.00000 | 539461.6 | 126937.9 | 0.0 | U/P |
| 12.333 | 8.0115 | 0.0000 | 77.390 | 4.93493 | 0.00000 | 540102.4 | 127332.7 | 0.0 | U/P |
| 12.356 | 8.0136 | 0.0000 | 77.393 | 4.93605 | 0.00000 | 540743.4 | 127727.5 | 0.0 | U/P |
| 12.378 | 8.0150 | 0.0000 | 77.395 | 4.93717 | 0.00000 | 541384.6 | 128122.5 | 0.0 | U/P |
| 12.400 | 8.0161 | 0.0000 | 77.398 | 4.93829 | 0.00000 | 542025.9 | 128517.5 | 0.0 | U/P |
| 12.422 | 8.0168 | 0.0000 | 77.401 | 4.93941 | 0.00000 | 542667.2 | 128912.6 | 0.0 | U/P |
| 12.444 | 8.0174 | 0.0000 | 77.404 | 4.94053 | 0.00000 | 543308.6 | 129307.8 | 0.0 | U/P |
| 12.467 | 8.0178 | 0.0000 | 77.407 | 4.94164 | 0.00000 | 543949.9 | 129703.1 | 0.0 | U/P |
| 12.489 | 8.0181 | 0.0000 | 77.410 | 4.94276 | 0.00000 | 544591.4 | 130098.4 | 0.0 | U/P |
| 12.511 | 8.0168 | 0.0000 | 77.413 | 4.94388 | 0.00000 | 545232.8 | 130493.9 | 0.0 | U/P |
| 12.533 | 8.0085 | 0.0000 | 77.416 | 4.94499 | 0.00000 | 545873.8 | 130889.5 | 0.0 | U/P |
| 12.556 | 7.9874 | 0.0000 | 77.419 | 4.94610 | 0.00000 | 546513.6 | 131285.1 | 0.0 | U/P |
| 12.578 | 7.9500 | 0.0000 | 77.421 | 4.94720 | 0.00000 | 547151.1 | 131680.8 | 0.0 | U/P |
| 12.600 | 7.9023 | 0.0000 | 77.424 | 4.94829 | 0.00000 | 547785.2 | 132076.7 | 0.0 | U/P |
| 12.622 | 7.8534 | 0.0000 | 77.427 | 4.94936 | 0.00000 | 548415.4 | \$32472.6 | 0.0 | U/P |
| 12.644 | 7.8092 | 0.0000 | 77.430 | 4.95042 | 0.00000 | 549041.9 | 132868.6 | 0.0 | U/P |
| 12.667 | 7.7737 | 0.0000 | 77.432 | 4.95145 | 0.00000 | 549665.3 | 133264.6 | 0.0 | U/P |
| 12.689 | 7.7484 | 0.0000 | 77.435 | 4.95248 | 0.00000 | 550286.1 | 133660.8 | 0.0 | U/P |
| 12.711 | 7.7306 | 0.0000 | 77.437 | 4.95349 | 0.00000 | 550905.3 | 134057.0 | 0.0 | U/P |
| 12.733 | 7.7778 | 0.0000 | 77.440 | 4.95450 | 0.00000 | 551523.3 | 134453.3 | 0.0 | U/P |
| 12.756 | 7.7084 | 0.0000 | 77.443 | 4.95550 | 0.00000 | 552140.3 | 134849.8 | 0.0 | U/P |
| 12.778 | 7.7017 | 0.0000 | 77.445 | 4.95649 | 0.00000 | 552756.7 | 135246.2 | 0.0 | U/P |
| 12.800 | 7.6968 | 0.0000 | 77.448 | 4.95749 | 0.00000 | 553372.6 | 135642.8 | 0.0 | U/P |
| 12.822 | 7.6933 | 0.0000 | 77.450 | 4.95848 | 0.00000 | 553988.3 | 136039.4 | 0.0 | U/P |
| 12.844 | 7.6908 | 0.0000 | 77.453 | 4.95947 | 0.00000 | 554603.6 | 136436.1 | 0.0 | U/P |
| 12.867 | 7.6890 | 0.0000 | 77.455 | 4.96046 | 0.00000 | 555218.8 | 136832.9 | 0.0 | U/P |
| 12.889 | 7.6877 | 0.0000 | 77.458 | 4.96144 | 0.00000 | 555833.9 | 137229.8 | 0.0 | U/P |
| 12.911 | 7.6867 | 0.0000 | 77.460 | 4.96243 | 0.00000 | 556448.8 | 137626.8 | 0.0 | U/P |
| 12.933 | 7.6860 | 0.0000 | 77.463 | 4.96342 | 0.00000 | 557063.8 | 138023.8 | 0.0 | U/P |
| 12.956 | 7.6855 | 0.0000 | 77.466 | 4.96440 | 0.00000 | 557678.6 | 138420.9 | 0.0 | U/P |
| 12.978 | 7.6852 | 0.0000 | 77.468 | 4.96538 | 0.00000 | 558293.4 | 138818.1 | 0.0 | U/P |
| 13.000 | 7.6849 | 0.0000 | 77.471 | 4.96637 | 0.00000 | 558908.3 | 139215.4 | 0.0 | U/P |
| 13.022 | 7.6623 | 0.0000 | 77.473 | 4.96735 | 0.00000 | 559522.1 | 139612.7 | 0.0 | U/P |
| 13.044 | 7.5800 | 0.0000 | 77.476 | 4.96832 | 0.00000 | 560131.8 | 140010.2 | 0.0 | U/P |
| 13.067 | 7.3928 | 0.0000 | 77.478 | 4.96925 | 0.00000 | 560730.8 | 140407.7 | 0.0 | U/P |
| 13.089 | 7.1008 | 0.0000 | 77.480 | 4.97011 | 0.00000 | 561310.5 | 140805.2 | 0.0 | U/P |
| 13.111 | 6.7591 | 0.0000 | 77.482 | 4.97088 | 0.00000 | 561864.9 | 141202.9 | 0.0 | U/P |
| 13.133 | 6.4241 | 0.0000 | 77.483 | 4.97153 | 0.00000 | 562392.2 | 141600.6 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 12 - 100 Year / 24 Hour Routing

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{f}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | $\begin{aligned} & \text { Cumulative } \\ & \text { inflow } \\ & \text { volume }\left(\mathrm{ft}^{3}\right) \end{aligned}$ | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 13.156 | 6.1317 | 0.0000 | 77.485 | 4.97205 | 0.00000 | 562894.4 | 141998.3 | 0.0 | U/P |
| 13.178 | 5.9076 | 0.0000 | 77.486 | 4.97248 | 0.00000 | 563376.0 | 142396.1 | 0.0 | U/P |
| 13.200 | 5.7494 | 0.0000 | 77.486 | 4.97282 | 0.00000 | 563842.3 | 142793.9 | 0.0 | U/P |
| 13.222 | 5.6374 | 0.0000 | 77.487 | 4.97311 | 0.00000 | 564297.8 | 143191.8 | 0.0 | U/P |
| 13.244 | 5.5556 | 0.0000 | 77.488 | 4.97335 | 0.00000 | 564745.5 | 143589.6 | 0.0 | U/P |
| 13.267 | 5.4965 | 0.0000 | 77.488 | 4.97356 | 0.00000 | 565187.6 | 143987.5 | 0.0 | U/P |
| 13.289 | 5.4539 | 0.0000 | 77.489 | 4.97375 | 0.00000 | 565625,6 | 144385.4 | 0.0 | U/P |
| 13.311 | 5.4231 | 0.0000 | 77.489 | 4.97393 | 0.00000 | 566060.7 | 144783.3 | 0.0 | U/P |
| 13.333 | 5.4011 | 0.0000 | 77.489 | 4.97409 | 0.00000 | 566493.6 | 145181.2 | 0.0 | U/P |
| 13.356 | 5.3852 | 0.0000 | 77.490 | 4.97424 | 0.00000 | 566925.1 | 145579.1 | 0.0 | U/P |
| 13.378 | 5.3736 | 0.0000 | 77.490 | 4.97439 | 0.00000 | 567355.4 | 145977.1 | 0.0 | U/P |
| 13.400 | 5.3652 | 0.0000 | 77.491 | 4.97454 | 0.00000 | 567785.0 | 146375.0 | 0.0 | U/P |
| 13.422 | 5.3592 | 0.0000 | 77.491 | 4.97468 | 0.00000 | 568213.9 | 146773.0 | 0.0 | U/P |
| 13.444 | 5.3549 | 0.0000 | 77.491 | 4.97482 | 0.00000 | 568642.5 | 147171.0 | 0.0 | U/P |
| 13.467 | 5.3516 | 0.0000 | 77.492 | 4.97495 | 0.00000 | 569070.8 | 147569.0 | 0.0 | U/P |
| 13.489 | 5.3491 | 0.0000 | 77.492 | 4.97509 | 0.00000 | 569498.8 | 147967.0 | 0.0 | U/P |
| 13.511 | 5.3474 | 0.0000 | 77.492 | 4.97522 | 0.00000 | 569926.7 | 148365.0 | 0.0 | U/P |
| 13.533 | 5.3452 | 0.0000 | 77.493 | 4.97536 | 0.00000 | 570354.4 | 148763.0 | 0.0 | U/P |
| 13.556 | 5.3412 | 0.0000 | 77.493 | 4.97549 | 0.00000 | 570781.8 | 149161.1 | 0.0 | U/P |
| 13.578 | 5.3330 | 0.0000 | 77.493 | 4.97562 | 0.00000 | 571208.8 | 149559.1 | 0.0 | U/P |
| 13.600 | 5.3215 | 0.0000 | 77.494 | 4.97575 | 0.00000 | 571635.0 | 149957.2 | 0.0 | U/P |
| 13.622 | 5.3089 | 0.0000 | 77.494 | 4.97588 | 0.00000 | 572060.2 | 150355.2 | 0.0 | U/P |
| \$3.644 | 5.2971 | 0.0000 | 77.494 | 4.97600 | 0.00000 | 572484.4 | 150753.3 | 0.0 | U/P |
| \$3.667 | 5.2872 | 0.0000 | 77.495 | 4.97611 | 0.00000 | 572907.8 | 151151.4 | 0.0 | U/P |
| 13.689 | 5.2800 | 0.0000 | 77.495 | 4.97622 | 0.00000 | 573330.5 | 151549.5 | 0.0 | U/P |
| 13.711 | 5.2750 | 0.0000 | 77.495 | 4.97633 | 0.00000 | 573752.7 | 151947.6 | 0.0 | U/P |
| 13.733 | 5.2715 | 0.0000 | 77.496 | 4.97644 | 0.00000 | 574174.6 | 152345.7 | 0.0 | U/P |
| 13.756 | 5.2688 | 0.0000 | 77.496 | 4.97655 | 0.00000 | 574596.2 | 152743.8 | 0.0 | U/P |
| 13.778 | 5.2669 | 0.0000 | 77.496 | 4.97665 | 0.00000 | 575017.6 | 153141.9 | 0.0 | U/P |
| 13.800 | 5.2656 | 0.0000 | 77.496 | 4.97676 | 0.00000 | 575438.9 | 153540.1 | 0.0 | U/P |
| 13.822 | 5.2646 | 0.0000 | 77.497 | 4.97686 | 0.00000 | 575860.1 | 153938.2 | 0.0 | U/P |
| 13.844 | 5.2639 | 0.0000 | 77.497 | 4.97697 | 0.00000 | 576281.3 | 154336.4 | 0.0 | U/P |
| 13.867 | 5.2634 | 0.0000 | 77.497 | 4.97707 | 0.00000 | 576702.3 | 154734.5 | 0.0 | U/P |
| 13.889 | 5.2630 | 0.0000 | 77.497 | 4.97717 | 0.00000 | 577123.4 | 155132.7 | 0.0 | U/P |
| 13.911 | 5.2627 | 0.0000 | 77.498 | 4.97728 | 0.00000 | 577544.4 | 155530.9 | 0.0 | U/P |
| 13.933 | 5.2625 | 0.0000 | 77.498 | 4.97738 | 0.00000 | 577965.4 | 155929.1 | 0.0 | U/P |
| 13.956 | 5.2624 | 0.0000 | 77.498 | 4.97748 | 0.00000 | 578386.4 | 156327.3 | 0.0 | U/P |
| 13.978 | 5.2623 | 0.0000 | 77.498 | 4.97758 | 0.00000 | 578807.4 | 156725.5 | 0.0 | U/P |
| 14.000 | 5.2446 | 0.0000 | 77.499 | 4.97769 | 0.00000 | 579227.7 | 157123.7 | 0.0 | U/P |
| 14.022 | 5.1588 | 0.0000 | 77.499 | 4.97778 | 0.00000 | 579643.8 | 157521.9 | 0.0 | U/P |
| 14.044 | 4.9459 | 0.0000 | 77.499 | 4.97783 | 0.00000 | 580048.0 | 157920.1 | 0.0 | U/P |
| 14.067 | 4.5761 | 0.0000 | 77.499 | 4.97780 | 0.00000 | 580428.9 | 158318.3 | 0.0 | U/P |
| 14.089 | 4.1097 | 0.0000 | 77.498 | 4.97765 | 0.00000 | 580776.3 | 158716.6 | 0.0 | U/P |
| 14.111 | 3.6336 | 0.0000 | 77.497 | 4.97734 | 0.00000 | 581086.1 | 159114.8 | 0.0 | U/P |
| 14.133 | 3.2058 | 0.0000 | 77.496 | 4.97686 | 0.00000 | 581359.6 | 159512.9 | 0.0 | U/P |
| 14.156 | 2.8636 | 0.0000 | 77.494 | 4.97623 | 0.00000 | 581602.4 | 159911.1 | 0.0 | U/P |
| 14.178 | 2.6200 | 0.0000 | 77.492 | 4.97547 | 0.00000 | 581821.8 | 160309.1 | 0.0 | U/P |
| 14.200 | 2.4489 | 0.0000 | 77.490 | 4.97463 | 0.00000 | 582024.5 | 160707.1 | 0.0 | U/P |
| 14.222 | 2.3250 | 0.0000 | 77.487 | 4.97372 | 0.00000 | 582215.5 | 161105.1 | 0.0 | U/P |
| 14.244 | 2.2345 | 0.0000 | 77.485 | 4.97277 | 0.00000 | 582397.9 | 161502.9 | 0.0 | U/P |
| 14.267 | 2.1697 | 0.0000 | 77.482 | 4.97178 | 0.00000 | 582574.0 | 161900.7 | 0.0 | U/P |
| 14.289 | 2.1227 | 0.0000 | 77.479 | 4.97077 | 0.00000 | 582745.8 | 162298.4 | 0.0 | U/P |
| 14.311 | 2.0890 | 0.0000 | 77.477 | 4.96975 | 0.00000 | 582914.2 | 162696.0 | 0.0 | U/P |
| 14.333 | 2.0648 | 0.0000 | 77.474 | 4.96871 | 0.00000 | 583080.3 | 163093.6 | 0.0 | U/P |
| 14.356 | 2.0472 | 0.0000 | 77.471 | 4.96766 | 0.00000 | 583244.8 | 163491.0 | 0.0 | U/P |
| 14.378 | 2.0344 | 0.0000 | 77.469 | 4.96660 | 0.00000 | 583408.1 | 163888.4 | 0.0 | U/P |
| 14.400 | 2.0252 | 0.0000 | 77.466 | 4.96555 | 0.00000 | 583570.4 | 164285.7 | 0.0 | U/P |
| 14.422 | 2.0186 | 0.0000 | 77.463 | 4.96448 | 0.00000 | 583732.2 | 164682.9 | 0.0 | U/P |
| 14.444 | 2.0136 | 0.0000 | 77.460 | 4.96342 | 0.00000 | 583893.5 | 165080.0 | 0.0 | U/P |
| 14.467 | 2.0099 | 0.0000 | 77.458 | 4.96235 | 0.00000 | 584054.4 | 165477.0 | 0.0 | U/P |
| 14.489 | 2.0072 | 0.0000 | 77.455 | 4.96128 | 0.00000 | 584215.1 | 165874.0 | 0.0 | U/P |
| 14.511 | 2.0056 | 0.0000 | 77.452 | 4.96022 | 0.00000 | 584375.6 | 166270.8 | 0.0 | U/P |
| 14.533 | 2.0050 | 0.0000 | 77.449 | 4.95915 | 0.00000 | 584536.1 | 166667.6 | 0.0 | U/P |
| 14.556 | 2.0050 | 0.0000 | 77.447 | 4.95808 | 0.00000 | 584696.4 | 167064.3 | 0.0 | U/P |
| 14.578 | 2.0049 | 0.0000 | 77.444 | 4.95701 | 0.00000 | 584856.9 | 167460.9 | 0.0 | U/P |
| 14.600 | 2.0049 | 0.0000 | 77.441 | 4.95594 | 0.00000 | 585017.3 | 167857.4 | 0.0 | U/P |
| 14.622 | 2.0048 | 0.0000 | 77.438 | 4.95487 | 0.00000 | 585177.6 | 168253.9 | 0.0 | U/P |
| 14.644 | 2.0048 | 0.0000 | 77.436 | 4.95380 | 0.00000 | 585338.0 | 168650.2 | 0.0 | U/P |
| 14.667 | 2.0047 | 0.0000 | 77.433 | 4.95273 | 0.00000 | 585498.4 | 169046.5 | 0.0 | U/P |
| 14.689 | 2.0047 | 0.0000 | 77.430 | 4.95167 | 0.00000 | 585658.8 | 169442.7 | 0.0 | U/P |
| 14.711 | 2.0047 | 0.0000 | 77.427 | 4.95060 | 0.00000 | 585819.1 | 169838.7 | 0.0 | U/P |
| 14.733 | 2.0047 | 0.0000 | 77.425 | 4.94953 | 0.00000 | 585979.5 | 170234.8 | 0.0 | U/P |
| 14.756 | 2.0047 | 0.0000 | 77.422 | 4.94846 | 0.00000 | 586139.9 | 170630.7 | 0.0 | U/P |
| 14.778 | 2.0047 | 0.0000 | 77.419 | 4.94739 | 0.00000 | 586300.3 | 171026.5 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 12 -100 Year/24 Hour Routing

| Elapsed Time (hours) | Infiow Rate (ft ${ }^{3} / \mathrm{s}$ ) | Outside Recharge (f/day) | Stage Elevation (f datum) | Infiltration Rate ( $\mathrm{fl}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3 /} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 14.800 | 2.0047 | 0.0000 | 77.416 | 4.94633 | 0.00000 | 586460.6 | 171422.3 | 0.0 | U/P |
| 14.822 | 2.0047 | 0.0000 | 77.414 | 4.94526 | 0.00000 | 586621.0 | 171817.9 | 0.0 | U/P |
| 14.844 | 2.0047 | 0.0000 | 77.411 | 4.94419 | 0.00000 | 586781.4 | 172213.5 | 0.0 | U/P |
| 14.867 | 2.0047 | 0.0000 | 77.408 | 4.94312 | 0.00000 | 586941.8 | 172609.0 | 0.0 | U/P |
| 14.889 | 2.0047 | 0.0000 | 77.405 | 4.94206 | 0.00000 | 587102.1 | 173004.4 | 0.0 | U/P |
| 14.911 | 2.0047 | 0.0000 | 77.403 | 4.94099 | 0.00000 | 587262.5 | 173399.7 | 0.0 | U/P |
| 14.933 | 2.0047 | 0.0000 | 77.400 | 4.93992 | 0.00000 | 587422.9 | 173795.0 | 0.0 | U/P |
| 14.956 | 2.0047 | 0.0000 | 77.397 | 4.93886 | 0.00000 | 587583.3 | 174190.1 | 0.0 | U/P |
| 14.978 | 2.0047 | 0.0000 | 77.394 | 4.93779 | 0.00000 | 587743.6 | 174585.2 | 0.0 | U/P |
| 15,000 | 2.0047 | 0.0000 | 77.392 | 4.93673 | 0.00000 | 587904.0 | 174980.1 | 0.0 | U/P |
| 15.022 | 2.0047 | 0.0000 | 77.389 | 4.93566 | 0.00000 | 588064.4 | 175375.0 | 0.0 | U/P |
| 15.044 | 2.0047 | 0.0000 | 77.386 | 4.93459 | 0.00000 | 588224.8 | 175769.8 | 0.0 | U/P |
| 15.067 | 2.0047 | 0.0000 | 77.383 | 4.93353 | 0.00000 | 588385.1 | 176164.6 | 0.0 | U/P |
| 15.089 | 2.0048 | 0.0000 | 77.381 | 4.93246 | 0.00000 | 588545.5 | 176559.2 | 0.0 | U/P |
| 15.111 | 2.0048 | 0.0000 | 77.378 | 4.93140 | 0.00000 | 588705.9 | 176953.8 | 0.0 | U/P |
| 15.133 | 2.0049 | 0.0000 | 77.375 | 4.93033 | 0.00000 | 588866.3 | 177348.2 | 0.0 | U/P |
| 15.156 | 2.0049 | 0.0000 | 77.372 | 4.92927 | 0.00000 | 589026.7 | 177742.6 | 0.0 | U/P |
| 15.178 | 2.0049 | 0.0000 | 77.370 | 4.92820 | 0.00000 | 589187.1 | 178136.9 | 0.0 | U/P |
| 15.200 | 2.0050 | 0.0000 | 77.367 | 4.92714 | 0.00000 | 589347.4 | 178531.1 | 0.0 | U/P |
| 15.222 | 2.0050 | 0.0000 | 77.364 | 4.92607 | 0.00000 | 589507.9 | 178925.3 | 0.0 | U/P |
| 15.244 | 2.0050 | 0.0000 | 77.361 | 4.92501 | 0.00000 | 589668.3 | \$79319.3 | 0.0 | U/P |
| 15.267 | 2.0050 | 0.0000 | 77.359 | 4.92395 | 0.00000 | 589828.6 | 179713.3 | 0.0 | U/P |
| 15.289 | 2.0050 | 0.0000 | 77.356 | 4.92288 | 0.00000 | 589989.1 | 180107.1 | 0.0 | U/P |
| 15.311 | 2.0050 | 0.0000 | 77.353 | 4.92182 | 0.00000 | 590149.4 | 180500.9 | 0.0 | U/P |
| 15.333 | 2.0050 | 0.0000 | 77.350 | 4.92075 | 0.00000 | 590309.8 | 180894.6 | 0.0 | U/P |
| 15.356 | 2.0050 | 0.0000 | 77.348 | 4.91969 | 0.00000 | 590470.3 | 181288.3 | 0.0 | U/P |
| 15.378 | 2.0050 | 0.0000 | 77.345 | 4.94863 | 0.00000 | 590630.6 | 181681.8 | 0.0 | U/P |
| 15.400 | 2.0050 | 0.0000 | 77.342 | 4.91756 | 0.00000 | 590791.1 | 182075.2 | 0.0 | U/P |
| 15.422 | 2.0050 | 0.0000 | 77.339 | 4.91650 | 0.00000 | 590951.4 | 182468.6 | 0.0 | U/P |
| 15.444 | 2.0050 | 0.0000 | 77.337 | 4.91544 | 0.00000 | 591111.9 | 182861.9 | 0.0 | U/P |
| 15.467 | 2.0050 | 0.0000 | 77.334 | 4.91438 | 0.00000 | 591272.3 | 183255.1 | 0.0 | U/P |
| 15.489 | 2.0050 | 0.0000 | 77.331 | 4.91331 | 0.00000 | 591432.6 | 183648.2 | 0.0 | U/P |
| 15.511 | 2.0034 | 0.0000 | 77.328 | 4.91225 | 0.00000 | 591593.0 | 184041.2 | 0.0 | U/P |
| 15.533 | 1.9950 | 0.0000 | 77.326 | 4.91119 | 0.00000 | 591752.9 | 184434.1 | 0.0 | U/P |
| 15.556 | 1.9739 | 0.0000 | 77.323 | 4.91012 | 0.00000 | 591911.7 | 184827.0 | 0.0 | U/P |
| 15.578 | 1.9365 | 0.0000 | 77.320 | 4.90905 | 0.00000 | 592068.1 | 185219.8 | 0.0 | U/P |
| 15.600 | 1.8887 | 0.0000 | 77.317 | 4.90796 | 0.00000 | 592221.1 | 185612.4 | 0.0 | U/P |
| 15.622 | 1.8397 | 0.0000 | 77.314 | 4.90685 | 0.00000 | 592370.3 | 186005.0 | 0.0 | U/P |
| 15.644 | 1.7955 | 0.0000 | 77.311 | 4.90573 | 0.00000 | 592515.6 | 186397.5 | 0.0 | U/P |
| 15.667 | 1.7599 | 0.0000 | 77.309 | 4.90460 | 0.00000 | 592657.9 | 186789.9 | 0.0 | U/P |
| 15.689 | 1.7346 | 0.0000 | 77.306 | 4.90345 | 0.00000 | 592797.6 | 187182.3 | 0.0 | U/P |
| 15.711 | 1.7168 | 0.0000 | 77.303 | 4.90229 | 0.00000 | 592935.7 | 187574.5 | 0.0 | U/P |
| 15.733 | 1.7039 | 0.0000 | 77.300 | 4.90112 | 0.00000 | 593072.5 | 187966.6 | 0.0 | U/P |
| 15.756 | 1.6945 | 0.0000 | 77.297 | 4.89995 | 0.00000 | 593208.4 | 188358.7 | 0.0 | U/P |
| 15.778 | 1.6878 | 0.0000 | 77.293 | 4.89878 | 0.00000 | 593343.8 | 188750.6 | 0.0 | U/P |
| 15.800 | 1.6829 | 0.0000 | 77.290 | 4.89760 | 0.00000 | 593478.6 | 189142.5 | 0.0 | U/P |
| 15.822 | 1.6794 | 0.0000 | 77.287 | 4.89642 | 0.00000 | 593613.1 | 189534.2 | 0.0 | U/P |
| 15.844 | 1.6769 | 0.0000 | 77.284 | 4.89524 | 0.00000 | 593747.3 | 189925.9 | 0.0 | U/P |
| 15.867 | 1.6751 | 0.0000 | 77.281 | 4.89406 | 0.00000 | 593881.4 | 190317.5 | 0.0 | U/P |
| 15.889 | 1.6737 | 0.0000 | 77.278 | 4.89288 | 0.00000 | 594015.4 | 190709.0 | 0.0 | U/P |
| 15.911 | 1.6728 | 0.0000 | 77.275 | 4.89170 | 0.00000 | 594149.3 | 191100.3 | 0.0 | U/P |
| 15.933 | 1.6721 | 0.0000 | 77.272 | 4.89052 | 0.00000 | 594283.0 | 191491.6 | 0.0 | U/P |
| 15.956 | 1.6716 | 0.0000 | 77.269 | 4.88934 | 0.00000 | 594416.8 | 191882.8 | 0.0 | U/P |
| 15.978 | 1.6712 | 0.0000 | 77.266 | 4.88816 | 0.00000 | 594550.5 | 192273.9 | 0.0 | U/P |
| 16.000 | 1.6709 | 0.0000 | 77.263 | 4.88698 | 0.00000 | 594684.2 | 192664.9 | 0.0 | U/P |
| 16.022 | 1.6675 | 0.0000 | 77.260 | 4.88580 | 0.00000 | 594817.7 | 193055.8 | 0.0 | U/P |
| 16.044 | 1.6557 | 0.0000 | 77.257 | 4.88461 | 0.00000 | 594950.6 | 193446.7 | 0.0 | U/P |
| 16.067 | 1.6290 | 0.0000 | 77.254 | 4.88343 | 0.00000 | 595082.0 | 193837.4 | 0.0 | U/P |
| 16.089 | 1.5872 | 0.0000 | 77.251 | 4.88223 | 0.00000 | 595210.7 | 194228.0 | 0.0 | U/P |
| 16.111 | 1.5383 | 0.0000 | 77.248 | 4.88102 | 0.00000 | 595335.7 | 194618.5 | 0.0 | U/P |
| 16.133 | 1.4905 | 0.0000 | 77.244 | 4.87979 | 0.00000 | 595456.8 | 195009.0 | 0.0 | U/P |
| 16.156 | 1.4486 | 0.0000 | 77.241 | 4.87854 | 0.00000 | 595574.4 | 195399.3 | 0.0 | U/P |
| 16.178 | 1.4166 | 0.0000 | 77.238 | 4.87728 | 0.00000 | 595689.0 | 195789.5 | 0.0 | U/P |
| 16.200 | 1.3940 | 0.0000 | 77.235 | 4.87601 | 0.00000 | 595801.4 | 196179.7 | 0.0 | U/P |
| 16.222 | 1.3780 | 0.0000 | 77.231 | 4.87473 | 0.00000 | 595912.3 | 196569.7 | 0.0 | U/P |
| 16.244 | 1.3663 | 0.0000 | 77.228 | 4.87344 | 0.00000 | 596022.1 | 196959.6 | 0.0 | U/P |
| 16.267 | 1.3578 | 0.0000 | 77.225 | 4.87215 | 0.00000 | 596131.1 | 197349.4 | 0.0 | U/P |
| 16.289 | 1.3517 | 0.0000 | 77.221 | 4.87085 | 0.00000 | 596239.4 | 197739.2 | 0.0 | U/P |
| 16.311 | 1.3473 | 0.0000 | 77.218 | 4.86956 | 0.00000 | 596347.4 | 198128.8 | 0.0 | U/P |
| 16.333 | 1.3442 | 0.0000 | 77.215 | 4.86826 | 0.00000 | 596455.1 | 198518.3 | 0.0 | U/P |
| 16.356 | 1.3419 | 0.0000 | 77.211 | 4.86696 | 0.00000 | 596562.5 | 198907.7 | 0.0 | U/P |
| 16.378 | 1.3403 | 0.0000 | 77.208 | 4.86566 | 0.00000 | 596669.8 | 199297.0 | 0.0 | U/P |
| 16.400 | 1.3391 | 0.0000 | 77.205 | 4.86436 | 0.00000 | 596776.9 | 199686.2 | 0.0 | U/P |
| 16.422 | 1.3382 | 0.0000 | 77.201 | 4.86306 | 0.00000 | 596884.1 | 200075.3 | 0.0 | U/P |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 12-100 Year / 24 Hour Routing

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{H}^{3 / 3} \mathrm{~s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infilitration Volume ( $\mathrm{t}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 16.444 | 1.3376 | 0.0000 | 77.198 | 4.86176 | 0.00000 | 596991.1 | 200464.3 | 0.0 | U/P |
| 16.467 | 1.3371 | 0.0000 | 77.194 | 4.86046 | 0.00000 | 597098.1 | 200853.2 | 0.0 | U/P |
| 16.489 | 1.3367 | 0.0000 | 77.191 | 4.85916 | 0.00000 | 597205.0 | 201242.0 | 0.0 | U/P |
| 16.511 | 1.3365 | 0.0000 | 77.188 | 4.85786 | 0.00000 | 597311.9 | 201630.6 | 0.0 | U/P |
| 16.533 | 1.3424 | 0.0000 | 77.184 | 4.85656 | 0.00000 | 597419.1 | 202019.2 | 0.0 | U/P |
| 16.556 | 1.3612 | 0.0000 | 77.181 | 4.85526 | 0.00000 | 597527.3 | 202407.7 | 0.0 | U/P |
| 16.578 | 1.4017 | 0.0000 | 77.178 | 4.85397 | 0.00000 | 597637.8 | 202796.1 | 0.0 | U/P |
| 16.600 | 1.4593 | 0.0000 | 77.174 | 4.85269 | 0.00000 | 597752.2 | 203184.3 | 0.0 | U/P |
| 16.622 | 1.5218 | 0.0000 | 77.171 | 4.85144 | 0.00000 | 597871.4 | 203572.5 | 0.0 | U/P |
| 16.644 | 1.5802 | 0.0000 | 77.168 | 4.85021 | 0.00000 | 597995.5 | 203960.6 | 0.0 | U/P |
| 16.667 | 1.6295 | 0.0000 | 77.165 | 4.84900 | 0.00000 | 598123.9 | 204348.5 | 0.0 | U/P |
| 16.689 | 1.6651 | 0.0000 | 77.162 | 4.84780 | 0.00000 | 598255.7 | 204736.4 | 0.0 | U/P |
| 16.711 | 1.6900 | 0.0000 | 77.159 | 4.84662 | 0.00000 | 598389.9 | 205124.2 | 0.0 | U/P |
| 16.733 | 1.7078 | 0.0000 | 77.156 | 4.84545 | 0.00000 | 598525.8 | 205511.9 | 0.0 | U/P |
| 16.756 | 1.7209 | 0.0000 | 77.153 | 4.84429 | 0.00000 | 598662.9 | 205899.5 | 0.0 | U/P |
| 16.778 | 1.7303 | 0.0000 | 77.150 | 4.84313 | 0.00000 | 598801.0 | 206287.0 | 0.0 | U/P |
| 16.800 | 1.7371 | 0.0000 | 77.147 | 4.84198 | 0.00000 | 598939.7 | 206674.4 | 0.0 | U/P |
| 16.822 | 1.7420 | 0.0000 | 77.144 | 4.84083 | 0.00000 | 599078.9 | 207061.7 | 0.0 | U/P |
| 16.844 | 1.7455 | 0.0000 | 77.141 | 4.83968 | 0.00000 | 599218.4 | 207448.9 | 0.0 | U/P |
| 16.867 | 1.7481 | 0.0000 | 77.138 | 4.83853 | 0.00000 | 599358.1 | 207836.0 | 0.0 | U/P |
| 16.889 | 1.7499 | 0.0000 | 77.135 | 4.83739 | 0.00000 | 599498.1 | 208223.0 | 0.0 | U/P |
| 16.911 | 1.7512 | 0.0000 | 77.132 | 4.83624 | 0.00000 | 599638.1 | 208610.0 | 0.0 | U/P |
| 16.933 | 1.7522 | 0.0000 | 77.129 | 4.83510 | 0.00000 | 599778.3 | 208996.8 | 0.0 | U/P |
| 16.956 | 1.7529 | 0.0000 | 77.126 | 4.83395 | 0.00000 | 599918.4 | 209383.6 | 0.0 | U/P |
| 16.978 | 1.7534 | 0.0000 | 77.123 | 4.83281 | 0.00000 | 600058.7 | 209770.3 | 0.0 | U/P |
| 17.000 | 1.7552 | 0.0000 | 77.120 | 4.83166 | 0.00000 | 600199.0 | 210156.9 | 0.0 | U/P |
| 17.022 | 1.7620 | 0.0000 | 77.117 | 4.83052 | 0.00000 | 600339.7 | 210543.3 | 0.0 | U/P |
| 17.044 | 1.7786 | 0.0000 | 77.115 | 4.82938 | 0.00000 | 600481.3 | 210929.8 | 0.0 | U/P |
| 17.067 | 1.8071 | 0.0000 | 77.112 | 4.82825 | 0.00000 | 600624.8 | 211316.0 | 0.0 | U/P |
| 17.089 | 1.8430 | 0.0000 | 77.109 | 4.82713 | 0.00000 | 600770.8 | 211702.3 | 0.0 | U/P |
| 17.111 | 1.8796 | 0.0000 | 77.106 | 4.82602 | 0.00000 | 600919.7 | 212088.4 | 0.0 | U/P |
| 17.133 | 1.9126 | 0.0000 | 77.103 | 4.82492 | 0.00000 | 601071.4 | 212474.4 | 0.0 | U/P |
| 17.156 | 1.9389 | 0.0000 | 77.100 | 4.82384 | 0.00000 | 601225.4 | 212860.4 | 0.0 | U/P |
| 17.178 | 1.9577 | 0.0000 | 77.098 | 4.82276 | 0.00000 | 601381.3 | 213246.2 | 0.0 | U/P |
| 17.200 | 1.9709 | 0.0000 | 77.095 | 4.82170 | 0.00000 | 601538.4 | 213632.0 | 0.0 | U/P |
| 17.222 | 1.9804 | 0.0000 | 77.092 | 4.82064 | 0.00000 | 601696.5 | 214017.7 | 0.0 | U/P |
| 17.244 | 1.9874 | 0.0000 | 77.089 | 4.81958 | 0.00000 | 601855.2 | 214403.3 | 0.0 | U/P |
| 17.267 | 1.9924 | 0.0000 | 77.087 | 4.81852 | 0.00000 | 602014.4 | 214788.8 | 0.0 | U/P |
| 17.289 | 1.9960 | 0.0000 | 77.084 | 7.00679 | 0.00000 | 602173.9 | 215174.3 | 0.0 | U/P |
| 17.311 | 1.9986 | 0.0000 | 77.077 | 11.37675 | 0.00000 | 602333.7 | 215909.9 | 0.0 | U/S |
| 17.333 | 2.0004 | 0.0000 | 77.066 | 15.74100 | 0.00000 | 602493.6 | 216994.6 | 0.0 | S |
| 17.356 | 2.0018 | 0.0000 | 77.051 | 19.09283 | 0.00000 | 602653.8 | 218428.5 | 0.0 | S |
| 17.378 | 2.0028 | 0.0000 | 77.033 | 20.23181 | 0.00000 | 602813.9 | 220049.4 | 0.0 | S |
| 17.400 | 2.0035 | 0.0000 | 77.015 | 19.38408 | 0.00000 | 602974.2 | 221665.6 | 0.0 | S |
| 17.422 | 2.0040 | 0.0000 | 76.999 | 17.51134 | 0.00000 | 603134.4 | 223150.9 | 0.0 | S |
| 17.444 | 2.0044 | 0.0000 | 76.985 | 15.51970 | 0.00000 | 603294.8 | 224467.4 | 0.0 | S |
| 17.467 | 2.0047 | 0.0000 | 76.973 | 13.87785 | 0.00000 | 603455.2 | 225634.0 | 0.0 | S |
| 17.489 | 2.0049 | 0.0000 | 76.962 | 12.67334 | 0.00000 | 603615.6 | 226687.8 | 0.0 | S |
| 17.511 | 2.0016 | 0.0000 | 76.952 | 11.81167 | 0.00000 | 603775.8 | 227661.8 | 0.0 | S |
| 17.533 | 1.9895 | 0.0000 | 76.943 | 11.16533 | 0.00000 | 603935.4 | 228577.7 | 0.0 | S |
| 17.556 | 1.9620 | 0.0000 | 76.935 | 10.63773 | 0.00000 | 604093.5 | 229448.2 | 0.0 | S |
| 17.578 | 1.9197 | 0.0000 | 76.926 | 10.17354 | 0.00000 | 604248.8 | 230279.8 | 0.0 | 5 |
| 17.600 | 1.8707 | 0.0000 | 76.918 | 9.74832 | 0.00000 | 604400.4 | 231076.0 | 0.0 | S |
| 17.622 | 1.8230 | 0.0000 | 76.911 | 9.35504 | 0.00000 | 604548.1 | 231839.5 | 0.0 | S |
| 17.644 | 1.7815 | 0.0000 | 76.904 | 8.99380 | 0.00000 | 604692.3 | 232572.8 | 0.0 | S |
| 17.667 | 1.7499 | 0.0000 | 76.897 | 8.66577 | 0.00000 | 604833.6 | 233278.5 | 0.0 | S |
| 17.689 | 1.7276 | 0.0000 | 76.890 | 8.37060 | 0.00000 | 604972.7 | 233959.3 | 0.0 | S |
| 17.711 | 1.7118 | 0.0000 | 76.884 | 8.10594 | 0.00000 | 605110.3 | 234617.8 | 0.0 | S |
| 17.733 | 1.7002 | 0.0000 | 76.878 | 7.86801 | 0.00000 | 605246.7 | 235256.3 | 0.0 | S |
| 17.756 | 1.6919 | 0.0000 | 76.872 | 7.65250 | 0.00000 | 605382.4 | 235876.7 | 0.0 | S |
| 17.778 | 1.6859 | 0.0000 | 76.866 | 7.45528 | 0.00000 | 605517.5 | 236480.7 | 0.0 | S |
| 17.800 | 1.6815 | 0.0000 | 76.861 | 7.27287 | 0.00000 | 605652.2 | 237069.5 | 0.0 | S |
| 17.822 | 1.6784 | 0.0000 | 76.855 | 7.10258 | 0.00000 | 605786.6 | 237644.3 | 0.0 | S |
| 17.844 | 1.6762 | 0.0000 | 76.850 | 6.94254 | 0.00000 | 605920.8 | 238205.9 | 0.0 | S |
| 17.867 | 1.6746 | 0.0000 | 76.845 | 6.79150 | 0.00000 | 606054.8 | 238755.1 | 0.0 | S |
| 17.889 | 1.6734 | 0.0000 | 76.840 | 6.64865 | 0.00000 | 606188.8 | 239292.6 | 0.0 | S |
| 17.911 | 1.6725 | 0.0000 | 76.835 | 6.51347 | 0.00000 | 606322.6 | 239818.9 | 0.0 | S |
| 17.933 | 1.6719 | 0.0000 | 76.830 | 6.38556 | 0.00000 | 606456.4 | 240334.7 | 0.0 | S |
| 17.956 | 1.6715 | 0.0000 | 76.826 | 6.26456 | 0.00000 | 606590.1 | 240840.6 | 0.0 | S |
| 17.978 | 1.6711 | 0.0000 | 76.821 | 6.15007 | 0.00000 | 606723.8 | 241337.0 | 0.0 | 5 |
| 18.000 | 1.6709 | 0.0000 | 76.817 | 6.04168 | 0.00000 | 606857.5 | 241824.6 | 0.0 | S |
| 18.022 | 1.6657 | 0.0000 | 76.813 | 5.93891 | 0.00000 | 606990.9 | 242303.7 | 0.0 | S |
| 18.044 | 1.6501 | 0.0000 | 76.809 | 5.84126 | 0.00000 | 607123.6 | 242774.8 | 0.0 | S |
| 18.067 | 1.6171 | 0.0000 | 76.805 | 5.74825 | 0.00000 | 607254.3 | 243238.3 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont, d.) :: Scenario 1 :: Pond 12 -100 Year / 24 Hour Routing

| Elapsed Time (hours) | Inflow Rate $\left(\mathrm{A}^{2 / 3} \mathrm{~s}\right)$ | Outside Recharge (ft/day) | Stage Elevation ( t datum) | Infiftration Rate (ft ${ }^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 18.089 | 1.5704 | 0.0000 | 76.801 | 5.65941 | 0.00000 | 607381.8 | 243694.5 | 0.0 | S |
| 18.111 | 1.5203 | 0.0000 | 76.797 | 5.57437 | 0.00000 | 607505.4 | 244143.8 | 0.0 | S |
| 18.133 | 1.4737 | 0.0000 | 76.793 | 5.49283 | 0.00000 | 607625.1 | 244586.5 | 0.0 | S |
| 18.156 | 1.4346 | 0.0000 | 76.789 | 5.41451 | 0.00000 | 607741.5 | 245022.7 | 0.0 | S |
| 18.178 | 1.4065 | 0.0000 | 76.785 | 5.33923 | 0.00000 | 607855.1 | 245452.8 | 0.0 | S |
| 18.200 | 1.3870 | 0.0000 | 76.781 | 5.26678 | 0.00000 | 607966.9 | 245877.0 | 0.0 | S |
| 18.222 | 1.3729 | 0.0000 | 76.777 | 5.19702 | 0.00000 | 608077.3 | 246295.5 | 0.0 | S |
| 18.244 | 1.3626 | 0.0000 | 76.773 | 5.12981 | 0.00000 | 608186.7 | 246708.5 | 0.0 | S |
| 18.267 | 1.3552 | 0.0000 | 76.770 | 5.06501 | 0.00000 | 608295.4 | 247116.2 | 0.0 | S |
| 18.289 | 1.3498 | 0.0000 | 76.766 | 5.00251 | 0.00000 | 608403.6 | 247518.9 | 0.0 | S |
| 18.311 | 1.3460 | 0.0000 | 76.763 | 4.94219 | 0.00000 | 608511.4 | 247916.6 | 0.0 | S |
| 18.333 | 1.3432 | 0.0000 | 76.759 | 4.88395 | 0.00000 | 608619.0 | 248309.6 | 0.0 | S |
| 18.356 | 1.3412 | 0.0000 | 76.756 | 4.82768 | 0.00000 | 608726.4 | 248698.1 | 0.0 | S |
| 18.378 | 1.3398 | 0.0000 | 76.752 | 4.77329 | 0.00000 | 608833.6 | 249082.1 | 0.0 | S |
| 18.400 | 1.3387 | 0.0000 | 76.749 | 4.72066 | 0.00000 | 608940.8 | 249461.8 | 0.0 | S |
| 18.422 | 1.3379 | 0.0000 | 76.745 | 4.66971 | 0.00000 | 609047.8 | 249837.4 | 0.0 | S |
| 18.444 | 1.3374 | 0.0000 | 76.742 | 4.62034 | 0.00000 | 609154.8 | 250208.9 | 0.0 | S |
| 18.467 | 1.3370 | 0.0000 | 76.739 | 4.57247 | 0.00000 | 609261.8 | 250576.6 | 0.0 | S |
| 18.489 | 1.3367 | 0.0000 | 76.736 | 4.52601 | 0.00000 | 609368.8 | 250940.5 | 0.0 | S |
| 18.511 | 1.3381 | 0.0000 | 76.733 | 4.48092 | 0.00000 | 609475.8 | 251300.8 | 0.0 | S |
| 18.533 | 1.3463 | 0.0000 | 76.730 | 4.43712 | 0.00000 | 609583.1 | 251657.5 | 0.0 | S |
| 18.556 | 1.3675 | 0.0000 | 76.727 | 4.39461 | 0.00000 | 609691.7 | 252010.7 | 0.0 | S |
| 18.578 | 1.4049 | 0.0000 | 76.724 | 4.35334 | 0.00000 | 609802.6 | 252360.6 | 0.0 | S |
| 18.600 | 1.4527 | 0.0000 | 76.721 | 4.31329 | 0.00000 | 609916.9 | 252707.3 | 0.0 | S |
| 18.622 | 1.5017 | 0.0000 | 76.718 | 4.27440 | 0.00000 | 610035.1 | 253050.8 | 0.0 | S |
| 18.644 | 1.5459 | 0.0000 | 76.715 | 4.23658 | 0.00000 | 610156.9 | 253391.2 | 0.0 | S |
| 18.667 | 1.5814 | 0.0000 | 76.713 | 4.19976 | 0.00000 | 610282.0 | 253728.6 | 0.0 | S |
| 18.689 | 1.6068 | 0.0000 | 76.710 | 4.16388 | 0.00000 | 610409.6 | 254063.1 | 0.0 | S |
| 18.711 | 1.6246 | 0.0000 | 76.708 | 4.12889 | 0.00000 | 610538.8 | 254394.8 | 0.0 | S |
| 18.733 | 1.6374 | 0.0000 | 76.705 | 4.09473 | 0.00000 | 610669.3 | 254723.8 | 0.0 | S |
| 18.756 | 1.6469 | 0.0000 | 76.703 | 4.06139 | 0.00000 | 610800.7 | 255050.0 | 0.0 | S |
| 18.778 | 1.6536 | 0.0000 | 76.700 | 4.02882 | 0.00000 | 610932.7 | 255373.6 | 0.0 | S |
| 18.800 | 1.6585 | 0.0000 | 76.698 | 3.99699 | 0.00000 | 611065.2 | 255694.6 | 0.0 | S |
| 18.822 | 1.6620 | 0.0000 | 76.696 | 3.96589 | 0.00000 | 611198.0 | 256013.1 | 0.0 | S |
| 18.844 | 1.6645 | 0.0000 | 76.693 | 3.93548 | 0.00000 | 611331.1 | 256329.1 | 0.0 | S |
| 18.867 | 1.6663 | 0.0000 | 76.691 | 3.90575 | 0.00000 | 611464.3 | 256642.8 | 0.0 | S |
| 18.889 | 1.6676 | 0.0000 | 76.689 | 3.87665 | 0.00000 | 611597.6 | 256954.0 | 0.0 | S |
| 18.911 | 1.6686 | 0.0000 | 76.687 | 3.84819 | 0.00000 | 611731.1 | 257263.0 | 0.0 | S |
| 18.933 | 1.6693 | 0.0000 | 76.685 | 3.82032 | 0.00000 | 611864.6 | 257569.8 | 0.0 | S |
| 18.956 | 1.6698 | 0.0000 | 76.682 | 3.79304 | 0.00000 | 611998.2 | 257874.3 | 0.0 | S |
| 18.978 | 1.6702 | 0.0000 | 76.680 | 3.76632 | 0.00000 | 612131.8 | 258176.6 | 0.0 | S |
| 19.000 | 1.6705 | 0.0000 | 76.678 | 3.74013 | 0.00000 | 612265.4 | 258476.9 | 0.0 | S |
| 19.022 | 1.6642 | 0.0000 | 76.676 | 3.71444 | 0.00000 | 612398.8 | 258775.1 | 0.0 | S |
| 19.044 | 1.6408 | 0.0000 | 76.674 | 3.68918 | 0.00000 | 612531.0 | 259071.2 | 0.0 | S |
| 19.067 | 1.5873 | 0.0000 | 76.672 | 3.66426 | 0.00000 | 612660.1 | 259365.3 | 0.0 | S |
| 19.089 | 1.5039 | 0.0000 | 76.670 | 3.63961 | 0.00000 | 612783.8 | 259657.5 | 0.0 | S |
| 19.111 | 1.4062 | 0.0000 | 76.668 | 3.61521 | 0.00000 | 612900.1 | 259947.7 | 0.0 | S |
| 19.133 | 1.3105 | 0.0000 | 76.666 | 3.59109 | 0.00000 | 613008.8 | 260235.9 | 0.0 | S |
| 19.156 | 1.2269 | 0.0000 | 76.663 | 3.56730 | 0.00000 | 613110.3 | 260522.3 | 0.0 | S |
| 19.178 | 1.1628 | 0.0000 | 76.661 | 3.54390 | 0.00000 | 613205.9 | 260806.7 | 0.0 | S |
| 19.200 | 1.1176 | 0.0000 | 76.659 | 3.52092 | 0.00000 | 613297.1 | 261089.3 | 0.0 | S |
| 19.222 | 1.0856 | 0.0000 | 76.656 | 3.49838 | 0.00000 | 613385.3 | 261370.0 | 0.0 | S |
| 19.244 | 1.0622 | 0.0000 | 76.654 | 3.47627 | 0.00000 | 613471.2 | 261649.0 | 0.0 | S |
| 19.267 | 1.0453 | 0.0000 | 76.651 | 3.45460 | 0.00000 | 613555.4 | 261926.2 | 0.0 | S |
| 19.289 | 1.0332 | 0.0000 | 76.649 | 3.43334 | 0.00000 | 613638.6 | 262201.8 | 0.0 | S |
| 19.311 | 1.0244 | 0.0000 | 76.647 | 3.41248 | 0.00000 | 613720.9 | 262475.6 | 0.0 | S |
| 19.333 | 1.0181 | 0.0000 | 76.644 | 3.39201 | 0.00000 | 613802.6 | 262747.8 | 0.0 | S |
| 19.356 | 1.0135 | 0.0000 | 76.642 | 3.37191 | 0.00000 | 613883.9 | 263018.3 | 0.0 | S |
| 19.378 | 1.0102 | 0.0000 | 76.640 | 3.35217 | 0.00000 | 613964.8 | 263287.3 | 0.0 | \$ |
| 19.400 | 1.0078 | 0.0000 | 76.637 | 3.33278 | 0.00000 | 614045.5 | 263554.6 | 0.0 | S |
| 19.422 | 1.0061 | 0.0000 | 76.635 | 3.31373 | 0.00000 | 614126.1 | 263820.5 | 0.0 | S |
| 19.444 | 1.0048 | 0.0000 | 76.633 | 3.29500 | 0.00000 | 614206.5 | 264084.8 | 0.0 | S |
| 19.467 | 1.0039 | 0.0000 | 76.630 | 3.27658 | 0.00000 | 614286.9 | 264347.7 | 0.0 | S |
| 19.489 | 1.0032 | 0.0000 | 76.628 | 3.25847 | 0.00000 | 614367.1 | 264609.1 | 0.0 | S |
| 19.511 | 1.0027 | 0.0000 | 76.626 | 3.24065 | 0.00000 | 614447.4 | 264869.0 | 0.0 | S |
| 19.533 | 1.0082 | 0.0000 | 76.624 | 3.22315 | 0.00000 | 614527.8 | 265127.6 | 0.0 | S |
| 19.556 | 1.0263 | 0.0000 | 76.622 | 3.20599 | 0.00000 | 614609.2 | 265384.8 | 0.0 | S |
| 19.578 | 1.0651 | 0.0000 | 76.619 | 3.18920 | 0.00000 | 614692.9 | 265640.6 | 0.0 | S |
| 19.600 | 1.1204 | 0.0000 | 76.617 | 3.17281 | 0.00000 | 614780.3 | 265895.0 | 0.0 | S |
| 19.622 | 1.1804 | 0.0000 | 76.615 | 3.15679 | 0.00000 | 614872.3 | 266148.2 | 0.0 | S |
| 19.644 | 1.2365 | 0.0000 | 76.613 | 3.14112 | 0.00000 | 614969.0 | 266400.1 | 0.0 | S |
| 19.667 | 1.2838 | 0.0000 | 76.611 | 3.12574 | 0.00000 | 615069.8 | 266650.8 | 0.0 | S |
| 19.689 | 1.3180 | 0.0000 | 76.610 | 3.11060 | 0.00000 | 615173.9 | 266900.2 | 0.0 | S |
| 19.711 | 1.3419 | 0.0000 | 76.608 | 3.09567 | 0.00000 | 615280.3 | 267148.5 | 0.0 | S |

PONDS Version 3.2.0207

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 12-100 Year / 24 Hour Routing

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{H}^{3} / \mathrm{S}$ ) | Overflow Discharge ( $\mathrm{t}^{1} / \mathrm{s}$ ) | Cumulative Inflow <br> Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{H}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 19.733 | 1.3590 | 0.0000 | 76.606 | 3.08095 | 0.00000 | 615388.3 | 267395.5 | 0.0 | S |
| 19.756 | 1.3716 | 0.0000 | 76.604 | 3.06641 | 0.00000 | 615497.5 | 267641.4 | 0.0 | S |
| 19.778 | 1.3806 | 0.0000 | 76.603 | 3.05205 | 0.00000 | 615607.6 | 267886.2 | 0.0 | S |
| 19.800 | 1.3871 | 0.0000 | 76.601 | 3.03787 | 0.00000 | 615718.3 | 268129.8 | 0.0 | S |
| 19.822 | 1.3918 | 0.0000 | 76.599 | 3.02387 | 0.00000 | 615829.5 | 268372.2 | 0.0 | S |
| 19.844 | 1.3952 | 0.0000 | 76.598 | 3.01004 | 0.00000 | 615940.9 | 268613.6 | 0.0 | S |
| 19.867 | 1.3976 | 0.0000 | 76.596 | 2.99638 | 0.00000 | 616052.7 | 268853.8 | 0.0 | S |
| 19.889 | 1.3994 | 0.0000 | 76.595 | 2.98290 | 0.00000 | 616164.6 | 269093.0 | 0.0 | S |
| 19.911 | 1.4007 | 0.0000 | 76.593 | 2.96958 | 0.00000 | 616276.6 | 269331.1 | 0.0 | S |
| 19.933 | 1.4016 | 0.0000 | 76.592 | 2.95643 | 0.00000 | 616388.6 | 269568.1 | 0.0 | S |
| 19.956 | 1.4023 | 0.0000 | 76.590 | 2.94344 | 0.00000 | 616500.8 | 269804.1 | 0.0 | S |
| 19.978 | 1.4028 | 0.0000 | 76.588 | 2.93061 | 0.00000 | 616613.0 | 270039.1 | 0.0 | S |
| 20.000 | 1.3992 | 0.0000 | 76.587 | 2.91792 | 0.00000 | 616725.1 | 270273.0 | 0.0 | S |
| 20.022 | 1.3801 | 0.0000 | 76.585 | 2.90532 | 0.00000 | 616836.3 | 270505.9 | 0.0 | S |
| 20.044 | 1.3322 | 0.0000 | 76.584 | 2.89272 | 0.00000 | 616944.8 | 270737.9 | 0.0 | S |
| 20.067 | 1.2487 | 0.0000 | 76.582 | 2.88006 | 0.00000 | 617048.0 | 270968.8 | 0.0 | S |
| 20.089 | 1.1434 | 0.0000 | 76.581 | 2.86731 | 0.00000 | 617143.7 | 271198.7 | 0.0 | S |
| 20.111 | 1.0360 | 0.0000 | 76.579 | 2.85450 | 0.00000 | 617230.9 | 271427.5 | 0.0 | S |
| 20.133 | 0.9394 | 0.0000 | 76.577 | 2.84170 | 0.00000 | 617309.9 | 271655.4 | 0.0 | S |
| 20.156 | 0.8622 | 0.0000 | 76.575 | 2.82898 | 0.00000 | 617381.9 | 271882.2 | 0.0 | S |
| 20.178 | 0.8072 | 0.0000 | 76.573 | 2.81640 | 0.00000 | 617448.7 | 272108.0 | 0.0 | S |
| 20.200 | 0.7686 | 0.0000 | 76.571 | 2.80400 | 0.00000 | 617511.8 | 272332.8 | 0.0 | S |
| 20.222 | 0.7406 | 0.0000 | 76.569 | 2.79178 | 0.00000 | 617572.1 | 272556.7 | 0.0 | S |
| 20.244 | 0.7202 | 0.0000 | 76.567 | 2.77976 | 0.00000 | 617630.5 | 272779.5 | 0.0 | S |
| 20.267 | 0.7055 | 0.0000 | 76.565 | 2.76792 | 0.00000 | 617687.6 | 273001.4 | 0.0 | S |
| 20.289 | 0.6949 | 0.0000 | 76.563 | 2.75626 | 0.00000 | 617743.6 | 273222.4 | 0.0 | S |
| 20.311 | 0.6873 | 0.0000 | 76.561 | 2.74477 | 0.00000 | 617798.9 | 273442.4 | 0.0 | S |
| 20.333 | 0.6819 | 0.0000 | 76.559 | 2.73345 | 0.00000 | 617853.6 | 273661.6 | 0.0 | S |
| 20.356 | 0.6779 | 0.0000 | 76.557 | 2.72229 | 0.00000 | 617908.0 | 273879.8 | 0.0 | S |
| 20.378 | 0.6750 | 0.0000 | 76.555 | 2.71127 | 0.00000 | 617962.1 | 274097.1 | 0.0 | S |
| 20.400 | 0.6729 | 0.0000 | 76.552 | 2.70041 | 0.00000 | 618016.1 | 274313.6 | 0.0 | S |
| 20.422 | 0.6714 | 0.0000 | 76.550 | 2.68968 | 0.00000 | 618069.8 | 274529.2 | 0.0 | S |
| 20.444 | 0.6703 | 0.0000 | 76.548 | 2.67909 | 0.00000 | 618123.5 | 274743.9 | 0.0 | S |
| 20.467 | 0.6695 | 0.0000 | 76.546 | 2.66864 | 0.00000 | 618177.1 | 274957.8 | 0.0 | S |
| 20.489 | 0.6689 | 0.0000 | 76.544 | 2.65831 | 0.00000 | 618230.6 | 275170.9 | 0.0 | S |
| 20.511 | 0.6719 | 0.0000 | 76.542 | 2.64812 | 0.00000 | 618284.3 | 275383.2 | 0.0 | S |
| 20.533 | 0.6839 | 0.0000 | 76.540 | 2.63809 | 0.00000 | 618338.5 | 275594.6 | 0.0 | S |
| 20.556 | 0.7114 | 0.0000 | 76.538 | 2.62826 | 0.00000 | 618394.3 | 275805.3 | 0.0 | S |
| 20.578 | 0.7536 | 0.0000 | 76.537 | 2.61865 | 0.00000 | 618452.9 | 276015.1 | 0.0 | S |
| 20.600 | 0.8026 | 0.0000 | 76.535 | 2.60925 | 0.00000 | 618515.1 | 276224.3 | 0.0 | S |
| 20.622 | 0.8503 | 0.0000 | 76.533 | 2.60004 | 0.00000 | 618581.3 | 276432.6 | 0.0 | S |
| 20.644 | 0.8917 | 0.0000 | 76.531 | 2.59100 | 0.00000 | 618650.9 | 276640.3 | 0.0 | S |
| 20.667 | 0.9233 | 0.0000 | 76.530 | 2.58207 | 0.00000 | 618723.6 | 276847.2 | 0.0 | S |
| 20.689 | 0.9455 | 0.0000 | 76.528 | 2.57323 | 0.00000 | 618798.3 | 277053.4 | 0.0 | S |
| 20.711 | 0.9613 | 0.0000 | 76.526 | 2.56448 | 0.00000 | 618874.6 | 277258.9 | 0.0 | S |
| 20.733 | 0.9729 | 0.0000 | 76.525 | 2.55579 | 0.00000 | 618951.9 | 277463.7 | 0.0 | S |
| 20.756 | 0.9812 | 0.0000 | 76.523 | 2.54717 | 0.00000 | 619030.1 | 277667.8 | 0.0 | S |
| 20.778 | 0.9872 | 0.0000 | 76.522 | 2.53862 | 0.00000 | 619108.8 | 277871.3 | 0.0 | S |
| 20.800 | 0.9915 | 0.0000 | 76.520 | 2.53014 | 0.00000 | 619188.0 | 278074.0 | 0.0 | S |
| 20.822 | 0.9946 | 0.0000 | 76.518 | 2.52173 | 0.00000 | 619267.4 | 278276.1 | 0.0 | S |
| 20.844 | 0.9969 | 0.0000 | 76.517 | 2.51339 | 0.00000 | 619347.1 | 278477.5 | 0.0 | S |
| 20.867 | 0.9985 | 0.0000 | 76.515 | 2.50511 | 0.00000 | 619426.9 | 278678.2 | 0.0 | S |
| 20.889 | 0.9997 | 0.0000 | 76.514 | 2.49691 | 0.00000 | 619506.8 | 278878.3 | 0.0 | S |
| 20.911 | 1.0005 | 0.0000 | 76.512 | 2.48878 | 0.00000 | 619586.8 | 279077.7 | 0.0 | S |
| 20.933 | 1.0011 | 0.0000 | 76.511 | 2.48071 | 0.00000 | 619666.9 | 279276.5 | 0.0 | S |
| 20.956 | 1.0016 | 0.0000 | 76.509 | 2.47272 | 0.00000 | 619747.0 | 279474.6 | 0.0 | S |
| 20.978 | 1.0020 | 0.0000 | 76.508 | 2.46480 | 0.00000 | 619827.2 | 279672.1 | 0.0 | S |
| 21.000 | 1.0022 | 0.0000 | 76.506 | 2.45694 | 0.00000 | 619907.3 | 279869.0 | 0.0 | S |
| 21.022 | 0.9973 | 0.0000 | 76.505 | 2.44913 | 0.00000 | 619987.3 | 280065.3 | 0.0 | S |
| 21.044 | 0.9818 | 0.0000 | 76.503 | 2.44134 | 0.00000 | 620066.5 | 280260.9 | 0.0 | S |
| 21.067 | 0.9488 | 0.0000 | 76.502 | 2.43353 | 0.00000 | 620143.7 | 280455.9 | 0.0 | S |
| 21.089 | 0.9022 | 0.0000 | 76.500 | 2.42567 | 0.00000 | 620217.8 | 280650.2 | 0.0 | S |
| 21.111 | 0.8521 | 0.0000 | 76.499 | 2.41777 | 0.00000 | 620287.9 | 280844.0 | 0.0 | S |
| 21.133 | 0.8056 | 0.0000 | 76.497 | 2.40987 | 0.00000 | 620354.3 | 281037.1 | 0.0 | S |
| 21.156 | 0.7665 | 0.0000 | 76.496 | 2.40199 | 0.00000 | 620417.1 | 281229.5 | 0.0 | S |
| 21.178 | 0.7385 | 0.0000 | 76.494 | 2.39417 | 0.00000 | 620477.3 | 281421.4 | 0.0 | S |
| 21.200 | 0.7189 | 0.0000 | 76.492 | 2.38643 | 0.00000 | 620535.6 | 281612.6 | 0.0 | S |
| 21.222 | 0.7049 | 0.0000 | 76.491 | 2.37878 | 0.00000 | 620592.6 | 281803.2 | 0.0 | S |
| 21.244 | 0.6945 | 0.0000 | 76.489 | 2.37121 | 0.00000 | 620648.5 | 281993.2 | 0.0 | S |
| 21.267 | 0.6872 | 0.0000 | 76.487 | 2.36373 | 0.00000 | 620703.8 | 282182.6 | 0.0 | S |
| 21.289 | 0.6818 | 0.0000 | 76.486 | 2.35634 | 0.00000 | 620758.6 | 282371.4 | 0.0 | S |
| 21.311 | 0.6780 | 0.0000 | 76.484 | 2.34904 | 0.00000 | 620812.9 | 282559.6 | 0.0 | S |
| 21.333 | 0.6752 | 0.0000 | 76.482 | 2.34181 | 0.00000 | 620867.1 | 282747.3 | 0.0 | S |
| 21.356 | 0.6732 | 0.0000 | 76.481 | 2.33466 | 0.00000 | 620921.0 | 282934.3 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $12-100$ Year $/ 24$ Hour Routing

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (flday) | Stage Elevation (ft datum) | infiltration Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Overlow Discharge ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Cumulative Inflow Volume ( $\mathrm{f}^{3}$ ) | Cumulative Infiltration Volume $\left(\mathrm{f}^{3}\right)$ | Cumulative Discharge Volume ( $\mathrm{f}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 21.378 | 0.6718 | 0.0000 | 76.479 | 2.32758 | 0.00000 | 620974.8 | 283120.8 | 0.0 | S |
| 21.400 | 0.6707 | 0.0000 | 76.477 | 2.32057 | 0.00000 | 621028.5 | 283306.7 | 0.0 | S |
| 21.422 | 0.6700 | 0.0000 | 76.476 | 2.31364 | 0.00000 | 621082.1 | 283492.1 | 0.0 | S |
| 21.444 | 0.6694 | 0.0000 | 76.474 | 2.30677 | 0.00000 | 621135.7 | 283676.9 | 0.0 | S |
| 21.467 | 0.6690 | 0.0000 | 76.472 | 2.29996 | 0.00000 | 621189.3 | 283861.2 | 0.0 | S |
| 21.489 | 0.6687 | 0.0000 | 76.471 | 2.29322 | 0.00000 | 621242.8 | 284044.9 | 0.0 | S |
| 21.511 | 0.6717 | 0.0000 | 76.469 | 2.28656 | 0.00000 | 621296.4 | 284228.1 | 0.0 | S |
| 21.533 | 0.6883 | 0.0000 | 76.467 | 2.28002 | 0.00000 | 621350.8 | 284410.8 | 0.0 | S |
| 21.556 | 0.7306 | 0.0000 | 76.466 | 2.27368 | 0.00000 | 621407.5 | 284592.9 | 0.0 | S |
| 21.578 | 0.8053 | 0.0000 | 76.464 | 2.26758 | 0.00000 | 621468.9 | 284774.5 | 0.0 | S |
| 21.600 | 0.9007 | 0.0000 | 76.463 | 2.26176 | 0.00000 | 621537.2 | 284955.7 | 0.0 | S |
| 21.622 | 0.9986 | 0.0000 | 76.461 | 2.25618 | 0.00000 | 621613.2 | 285136.4 | 0.0 | S |
| 21.644 | 1.0870 | 0.0000 | 76.460 | 2.25078 | 0.00000 | 621696.6 | 285316.7 | 0.0 | S |
| 21.667 | 1.1580 | 0.0000 | 76.459 | 2.24549 | 0.00000 | 621786.4 | 285496.6 | 0.0 | S |
| 21.689 | 1.2087 | 0.0000 | 76.458 | 2.24025 | 0.00000 | 621881.1 | 285676.0 | 0.0 | S |
| 21.711 | 1.2442 | 0.0000 | 76.457 | 2.23503 | 0.00000 | 621979.2 | 285855.0 | 0.0 | S |
| 21.733 | 1.2699 | 0.0000 | 76.456 | 2.22981 | 0.00000 | 622079.8 | 286033.6 | 0.0 | S |
| 21.756 | 1.2887 | 0.0000 | 76.455 | 2.22458 | 0.00000 | 622182.1 | 286211.8 | 0.0 | S |
| 21.778 | 1.3022 | 0.0000 | 76.454 | 2.21935 | 0.00000 | 622285.8 | 286389.5 | 0.0 | S |
| 21,800 | 1.3119 | 0.0000 | 76.453 | 2.21411 | 0.00000 | 622390.3 | 286566.8 | 0.0 | S |
| 21.822 | 1.3189 | 0.0000 | 76.452 | 2.20889 | 0.00000 | 622495.5 | 286743.8 | 0.0 | S |
| 21.844 | 1.3240 | 0.0000 | 76.451 | 2.20366 | 0.00000 | 622601.3 | 286920.3 | 0.0 | S |
| 21.867 | 1.3276 | 0.0000 | 76.451 | 2.19845 | 0.00000 | 622707.3 | 287096.3 | 0.0 | S |
| 21.889 | 1.3303 | 0.0000 | 76.450 | 2.19325 | 0.00000 | 622813.6 | 287272.0 | 0.0 | S |
| 21.911 | 1.3322 | 0.0000 | 76.449 | 2.18807 | 0.00000 | 622920.1 | 287447.3 | 0.0 | S |
| 21.933 | 1.3335 | 0.0000 | 76.448 | 2.18291 | 0.00000 | 623026.8 | 287622.1 | 0.0 | S |
| 21.956 | 1.3346 | 0.0000 | 76.447 | 2.17777 | 0.00000 | 623133.4 | 287796.5 | 0.0 | S |
| 21.978 | 1.3354 | 0.0000 | 76.446 | 2.17265 | 0.00000 | 623240.3 | 287970.6 | 0.0 | S |
| 22.000 | 1.3359 | 0.0000 | 76.445 | 2.16755 | 0.00000 | 623347.1 | 288144.2 | 0.0 | S |
| 22.022 | 1.3298 | 0.0000 | 76.445 | 2.16245 | 0.00000 | 623453.8 | 288317.4 | 0.0 | S |
| 22.044 | 1.3065 | 0.0000 | 76.444 | 2.15729 | 0.00000 | 623559.2 | 288490.2 | 0.0 | S |
| 22.067 | 1.2530 | 0.0000 | 76.443 | 2.15200 | 0.00000 | 623661.6 | 288662.5 | 0.0 | S |
| 22.089 | 1.1696 | 0.0000 | 76.442 | 2.14653 | 0.00000 | 623758.5 | 288834.5 | 0.0 | S |
| 22.111 | 1.0720 | 0.0000 | 76.441 | 2.14088 | 0.00000 | 623848.1 | 289006.0 | 0.0 | S |
| 22.133 | 0.9763 | 0.0000 | 76.440 | 2.13509 | 0.00000 | 623930.1 | 289177.0 | 0.0 | S |
| 22.156 | 0.8928 | 0.0000 | 76.438 | 2.12923 | 0.00000 | 624004.8 | 289347.6 | 0.0 | S |
| 22.178 | 0.8288 | 0.0000 | 76.437 | 2.12335 | 0.00000 | 624073.7 | 289517.7 | 0.0 | S |
| 22.200 | 0.7836 | 0.0000 | 76.436 | 2.11753 | 0.00000 | 624138.2 | 289687.3 | 0.0 | S |
| 22.222 | 0.7516 | 0.0000 | 76.434 | 2.11177 | 0.00000 | 624199.6 | 289856.5 | 0.0 | S |
| 22.244 | 0.7282 | 0.0000 | 76.433 | 2.10610 | 0.00000 | 624258.8 | 290025.2 | 0.0 | S |
| 22.267 | 0.7113 | 0.0000 | 76.432 | 2.10051 | 0.00000 | 624316.4 | 290193.5 | 0.0 | S |
| 22.289 | 0.6991 | 0.0000 | 76.430 | 2.09500 | 0.00000 | 624372.8 | 290361.3 | 0.0 | S |
| 22.311 | 0.6904 | 0.0000 | 76.429 | 2.08956 | 0.00000 | 624428.4 | 290528.7 | 0.0 | S |
| 22.333 | 0.6840 | 0.0000 | 76.427 | 2.08421 | 0.00000 | 624483.3 | 290695.6 | 0.0 | S |
| 22.356 | 0.6795 | 0.0000 | 76.426 | 2.07891 | 0.00000 | 624537.9 | 290862.2 | 0.0 | S |
| 22.378 | 0.6762 | 0.0000 | 76.425 | 2.07368 | 0.00000 | 624592.1 | 291028.3 | 0.0 | S |
| 22.400 | 0.6738 | 0.0000 | 76.423 | 2.06852 | 0.00000 | 624646.1 | 291193.9 | 0.0 | S |
| 22.422 | 0.6721 | 0.0000 | 76.422 | 2.06340 | 0.00000 | 624699.9 | 291359.2 | 0.0 | S |
| 22.444 | 0.6708 | 0.0000 | 76.420 | 2.05834 | 0.00000 | 624753.7 | 291524.1 | 0.0 | S |
| 22.467 | 0.6699 | 0.0000 | 76.419 | 2.05333 | 0.00000 | 624807.3 | 291688.6 | 0.0 | S |
| 22.489 | 0.6692 | 0.0000 | 76.418 | 2.04836 | 0.00000 | 624860.9 | 291852.6 | 0.0 | S |
| 22.511 | 0.6687 | 0.0000 | 76.416 | 2.04345 | 0.00000 | 624914.4 | 292016.3 | 0.0 | S |
| 22.533 | 0.6740 | 0.0000 | 76.415 | 2.03860 | 0.00000 | 624968.1 | 292179.6 | 0.0 | S |
| 22.556 | 0.6913 | 0.0000 | 76.413 | 2.03385 | 0.00000 | 625022.7 | 292342.5 | 0.0 | S |
| 22.578 | 0.7285 | 0.0000 | 76.412 | 2.02925 | 0.00000 | 625079.5 | 292505.0 | 0.0 | S |
| 22.600 | 0.7814 | 0.0000 | 76.411 | 2.02481 | 0.00000 | 625139.9 | 292667.2 | 0.0 | S |
| 22.622 | 0.8388 | 0.0000 | 76.410 | 2.02053 | 0.00000 | 625204.7 | 292828.9 | 0.0 | S |
| 22.644 | 0.8926 | 0.0000 | 76.408 | 2.01637 | 0.00000 | 625273.9 | 292990.4 | 0.0 | S |
| 22.667 | 0.9378 | 0.0000 | 76.407 | 2.01229 | 0.00000 | 625347.1 | 293151.6 | 0.0 | S |
| 22.689 | 0.9706 | 0.0000 | 76.406 | 2.00826 | 0.00000 | 625423.5 | 293312.4 | 0.0 | S |
| 22.711 | 0.9934 | 0.0000 | 76.405 | 2.00424 | 0.00000 | 625502.1 | 293472.9 | 0.0 | S |
| 22.733 | 1.0098 | 0,0000 | 76.404 | 2.00023 | 0.00000 | 625582.2 | 293633.1 | 0.0 | S |
| 22.756 | 1.0219 | 0.0000 | 76.403 | 1.99622 | 0.00000 | 625663.4 | 293792.9 | 0.0 | S |
| 22.778 | 1.0305 | 0.0000 | 76.402 | 1.99221 | 0.00000 | 625745.6 | 293952.5 | 0.0 | S |
| 22.800 | 1.0368 | 0.0000 | 76.401 | 1.98820 | 0.00000 | 625828.3 | 294111.7 | 0.0 | S |
| 22.822 | 1.0413 | 0.0000 | 76.400 | 1.98420 | 0.00000 | 625911.4 | 294270.6 | 0.0 | S |
| 22.844 | 1.0445 | 0.0000 | 76.399 | 1.98020 | 0.00000 | 625994.8 | 294429.2 | 0.0 | S |
| 22.867 | 1.0468 | 0.0000 | 76.398 | 1.97621 | 0.00000 | 626078.4 | 294587.4 | 0.0 | S |
| 22.889 | 1.0485 | 0.0000 | 76.397 | 1.97223 | 0.00000 | 626162.3 | 294745.3 | 0.0 | S |
| 22.911 | 1.0497 | 0.0000 | 76.396 | 1.96826 | 0.00000 | 626246.2 | 294903.0 | 0.0 | S |
| 22.933 | 1.0506 | 0.0000 | 76.396 | 1.96430 | 0.00000 | 626330.2 | 295060.3 | 0.0 | S |
| 22.956 | 1.0513 | 0.0000 | 76.395 | 1.96036 | 0.00000 | 626414.3 | 295217.3 | 0.0 | S |
| 22.978 | 1.0518 | 0.0000 | 76.394 | 1.95643 | 0.00000 | 626498.4 | 295373.9 | 0.0 | S |
| 23.000 | 1.0483 | 0.0000 | 76.393 | 1.95250 | 0.00000 | 626582.4 | 295530.3 | 0.0 | S |

PONDS Version 3.2.0207

## Retention Pond Recovery - Refined Method Copyright 2003

Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond 12 -100 Year / 24 Hour Routing

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (fidday) | Stage Elevation (ft datum) | Infiltration Rate ( $\mathrm{ft}^{3 / \mathrm{s}}$ ) | Overflow Discharge ( $\mathrm{I}^{3 / \mathrm{s}} \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{ft}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{ft}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 23.022 | 1.0296 | 0.0000 | 76.392 | 1.94851 | 0.00000 | 626665.5 | 295686.3 | 0.0 | S |
| 23.044 | 0.9828 | 0.0000 | 76.391 | 1.94440 | 0.00000 | 626746.0 | 295842.0 | 0.0 | S |
| 23.067 | 0.9012 | 0.0000 | 76.390 | 1.94009 | 0.00000 | 626821.4 | 295997.4 | 0.0 | S |
| 23.089 | 0.7984 | 0.0000 | 76.389 | 1.93557 | 0.00000 | 626889.4 | 296152.5 | 0.0 | S |
| 23.111 | 0.6934 | 0.0000 | 76.388 | 1.93086 | 0.00000 | 626949.0 | 296307.1 | 0.0 | S |
| 23.933 | 0.5991 | 0.0000 | 76.386 | 1.92604 | 0.00000 | 627000.8 | 296461.4 | 0.0 | S |
| 23.156 | 0.5237 | 0.0000 | 76.385 | 1.92118 | 0.00000 | 627045.6 | 296615.3 | 0.0 | S |
| 23.178 | 0.4700 | 0.0000 | 76.383 | 1.91635 | 0.00000 | 627085.4 | 296768.8 | 0.0 | S |
| 23.200 | 0.4322 | 0.0000 | 76.382 | 1.91157 | 0.00000 | 627121.5 | 296921.9 | 0.0 | S |
| 23.222 | 0.4049 | 0.0000 | 76.380 | 1.90687 | 0.00000 | 627154.9 | 297074.6 | 0.0 | S |
| 23.244 | 0.3850 | 0.0000 | 76.379 | 1.90225 | 0.00000 | 627186.6 | 297227.0 | 0.0 | S |
| 23.267 | 0.3707 | 0.0000 | 76.377 | 1.89770 | 0.00000 | 627216.8 | 297379.0 | 0.0 | S |
| 23.289 | 0.3603 | 0.0000 | 76.376 | 1.89322 | 0.00000 | 627246.0 | 297530.6 | 0.0 | S |
| 23.311 | 0.3529 | 0.0000 | 76.374 | 1.88882 | 0.00000 | 627274.6 | 297681.9 | 0.0 | S |
| 23.333 | 0.3475 | 0.0000 | 76.373 | 1.88447 | 0.00000 | 627302.6 | 297832.8 | 0.0 | S |
| 23.356 | 0.3437 | 0.0000 | 76.371 | 1.88018 | 0.00000 | 627330.2 | 297983.4 | 0.0 | S |
| 23.378 | 0.3408 | 0.0000 | 76.369 | 1.87595 | 0.00000 | 627357.6 | 298133.7 | 0.0 | S |
| 23.400 | 0.3388 | 0.0000 | 76.368 | 1.87176 | 0.00000 | 627384.8 | 298283.6 | 0.0 | S |
| 23.422 | 0.3374 | 0.0000 | 76.366 | 1.86762 | 0.00000 | 627411.8 | 298433.2 | 0.0 | S |
| 23.444 | 0.3363 | 0.0000 | 76.365 | 1.86352 | 0.00000 | 627438.8 | 298582.4 | 0.0 | S |
| 23.467 | 0.3354 | 0.0000 | 76.363 | 1.85946 | 0.00000 | 627465.6 | 298731.3 | 0.0 | S |
| 23.489 | 0.3349 | 0.0000 | 76.362 | 1.85544 | 0.00000 | 627492.4 | 298879.9 | 0.0 | S |
| 23.511 | 0.3345 | 0.0000 | 76.360 | 1.85145 | 0.00000 | 627519.3 | 299028.2 | 0.0 | S |
| 23.533 | 0.3343 | 0.0000 | 76.359 | 1.84750 | 0.00000 | 627546.0 | 299176.2 | 0.0 | S |
| 23.556 | 0.3343 | 0.0000 | 76.357 | 1.84358 | 0.00000 | 627572.8 | 299323.8 | 0.0 | S |
| 23.578 | 0.3343 | 0.0000 | 76.356 | 1.83969 | 0.00000 | 627599.4 | 299471.1 | 0.0 | S |
| 23.600 | 0.3342 | 0.0000 | 76.354 | 1.83583 | 0.00000 | 627626.2 | 299618.1 | 0.0 | S |
| 23.622 | 0.3342 | 0.0000 | 76.352 | 1.83201 | 0.00000 | 627652.9 | 299764.8 | 0.0 | S |
| 23.644 | 0.3341 | 0.0000 | 76.351 | 1.82820 | 0.00000 | 627679.7 | 299911.3 | 0.0 | S |
| 23.667 | 0.3341 | 0.0000 | 76.349 | 1.82443 | 0.00000 | 627706.4 | 300057.4 | 0.0 | S |
| 23.689 | 0.3341 | 0.0000 | 76.348 | 1.82068 | 0.00000 | 627733.1 | 300203.2 | 0.0 | S |
| 23.711 | 0.3341 | 0.0000 | 76.346 | 1.81696 | 0.00000 | 627759.9 | 300348.7 | 0.0 | S |
| 23.733 | 0.3340 | 0.0000 | 76.345 | 1.81326 | 0.00000 | 627786.6 | 300493.9 | 0.0 | S |
| 23.756 | 0.3340 | 0.0000 | 76.343 | 1.80959 | 0.00000 | 627813.3 | 300638.8 | 0.0 | S |
| 23.778 | 0.3340 | 0.0000 | 76.342 | 1.80594 | 0.00000 | 627840.0 | 300783.4 | 0.0 | S |
| 23.800 | 0.3340 | 0.0000 | 76.340 | 1.80232 | 0.00000 | 627866.8 | 300927.8 | 0.0 | S |
| 23.822 | 0.3340 | 0.0000 | 76.339 | 1.79871 | 0.00000 | 627893.4 | 301071.8 | 0.0 | S |
| 23.844 | 0.3340 | 0.0000 | 76.337 | 1.79513 | 0.00000 | 627920.2 | 301215.5 | 0.0 | S |
| 23.867 | 0.3340 | 0.0000 | 76.336 | 1.79158 | 0.00000 | 627946.9 | 301359.0 | 0.0 | S |
| 23.889 | 0.3340 | 0.0000 | 76.334 | 1.78804 | 0.00000 | 627973.6 | 301502.2 | 0.0 | S |
| 23.911 | 0.3340 | 0.0000 | 76.333 | 1.78453 | 0.00000 | 628000.4 | 301645.1 | 0.0 | S |
| 23.933 | 0.3340 | 0.0000 | 76.331 | 1.78103 | 0.00000 | 628027.1 | 301787.7 | 0.0 | S |
| 23.956 | 0.3340 | 0.0000 | 76.330 | 1.77756 | 0.00000 | 628053.8 | 301930.1 | 0.0 | S |
| 23.978 | 0.3340 | 0.0000 | 76.328 | 1.77411 | 0.00000 | 628080.5 | 302072.1 | 0.0 | S |
| 24.000 | 0.3340 | 0.0000 | 76.327 | 1.77067 | 0.00000 | 628107.3 | 302213.9 | 0.0 | S |
| 24.022 | 0.3290 | 0.0000 | 76.326 | 1.76723 | 0.00000 | 628133.8 | 302355.4 | 0.0 | S |
| 24.044 | 0.3135 | 0.0000 | 76.324 | 1.76376 | 0.00000 | 628159.4 | 302496.7 | 0.0 | S |
| 24.067 | 0.2804 | 0.0000 | 76.323 | 1.76022 | 0.00000 | 628183.2 | 302637.6 | 0.0 | S |
| 24.089 | 0.2339 | 0.0000 | 76.321 | 1.75659 | 0.00000 | 628203.8 | 302778.3 | 0.0 | S |
| 24.111 | 0.1838 | 0.0000 | 76.319 | 1.75287 | 0.00000 | 628220.5 | 302918.7 | 0.0 | S |
| 24.133 | 0.1372 | 0.0000 | 76.318 | 1.74909 | 0.00000 | 628233.3 | 303058.8 | 0.0 | S |
| 24.156 | 0.0981 | 0.0000 | 76.316 | 1.74529 | 0.00000 | 628242.8 | 303198.5 | 0.0 | S |
| 24.178 | 0.0701 | 0.0000 | 76.314 | 1.74151 | 0.00000 | 628249.4 | 303338.0 | 0.0 | S |
| 24.200 | 0.0506 | 0.0000 | 76.313 | 1.73776 | 0.00000 | 628254.3 | 303477.2 | 0.0 | S |
| 24.222 | 0.0365 | 0.0000 | 76.311 | 1.73405 | 0.00000 | 628257.8 | 303616.1 | 0.0 | S |
| 24.244 | 0.0262 | 0.0000 | 76.309 | 1.73039 | 0.00000 | 628260.3 | 303754.6 | 0.0 | S |
| 24.267 | 0.0188 | 0.0000 | 76.307 | 1.72677 | 0.00000 | 628262.1 | 303892.9 | 0.0 | S |
| 24.289 | 0.0135 | 0.0000 | 76.306 | 1.72319 | 0.00000 | 628263.4 | 304030.9 | 0.0 | S |
| 24.311 | 0.0096 | 0.0000 | 76.304 | 1.71966 | 0.00000 | 628264.3 | 304168.6 | 0.0 | S |
| 24.333 | 0.0069 | 0.0000 | 76.302 | 1.71616 | 0.00000 | 628264.9 | 304306.1 | 0.0 | S |
| 24.356 | 0.0048 | 0.0000 | 76.300 | 1.71270 | 0.00000 | 628265.4 | 304443.2 | 0.0 | S |
| 24.378 | 0.0034 | 0.0000 | 76.299 | 1.70927 | 0.00000 | 628265.8 | 304580.1 | 0.0 | S |
| 24.400 | 0.0023 | 0.0000 | 76.297 | 1.70587 | 0.00000 | 628266.0 | 304716.7 | 0.0 | S |
| 24.422 | 0.0016 | 0.0000 | 76.295 | 1.70250 | 0.00000 | 628266.1 | 304853.0 | 0.0 | S |
| 24.444 | 0.0010 | 0.0000 | 76.293 | 1.69916 | 0.00000 | 628266.3 | 304989.1 | 0.0 | S |
| 24.467 | 0.0006 | 0.0000 | 76.292 | 1.69585 | 0.00000 | 628266.3 | 305124.9 | 0.0 | S |
| 24.489 | 0.0003 | 0.0000 | 76.290 | 1.69256 | 0.00000 | 628266.4 | 305260.4 | 0.0 | S |
| 24.511 | 0.0001 | 0.0000 | 76.288 | 1.68929 | 0.00000 | 628266.4 | 305395.7 | 0.0 | S |
| 24.533 | 0.0000 | 0.0000 | 76.287 | 1.68605 | 0.00000 | 628266.4 | 305530.7 | 0.0 | S |
| 24.556 | 0.0000 | 0.0000 | 76.285 | 1.68283 | 0.00000 | 628266.4 | 305665.5 | 0.0 | S |
| 24.578 | 0.0000 | 0.0000 | 76.283 | 1.68048 | 0.00000 | 628266.4 | 305800.0 | 0.0 | S |
| 48.578 | 0.0000 | 0.0000 | 75.272 | 0.71789 | 0.00000 | 628266.4 | 381269.2 | 0.0 | S |
| 72.578 | 0.0000 | 0.0000 | 74.569 | 0.48688 | 0.00000 | 628266.4 | 429851.5 | 0.0 | S |
| 96.578 | 0.0000 | 0.0000 | 74.022 | 0.36780 | 0.00000 | 628266.4 | 465401.4 | 0.0 | S |

PONDS Version 3.2.0207
Retention Pond Recovery - Refined Method
Copyright 2003
Devo Seereeram, Ph.D., P.E.
Detailed Results (cont,d.) :: Scenario 1 :: Pond $12-100$ Year / 24 Hour Routing

| Elapsed Time (hours) | Inflow Rate ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Outside Recharge (ft/day) | Stage Elevation (ft datum) | infiltration Rate ( $\mathrm{f}^{3} / \mathrm{s}$ ) | Overflow Discharge ( $\mathrm{ft}^{3} / \mathrm{s}$ ) | Cumulative Inflow Volume ( $\mathrm{fl}^{3}$ ) | Cumulative Infiltration Volume ( $\mathrm{f}^{3}$ ) | Cumulative Discharge Volume ( $\mathrm{t}^{3}$ ) | Flow Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 120.578 | 0.0000 | 0.0000 | 73.570 | 0.29555 | 0.00000 | 628266.4 | 493407.2 | 0.0 | S |
| 144.578 | 0.0000 | 0.0000 | 73.181 | 0.24665 | 0.00000 | 628266.4 | 516472.9 | 0.0 | S |
| 168.578 | 0.0000 | 0.0000 | 72.837 | 0.21107 | 0.00000 | 628266.4 | 536028.1 | 0.0 | S |
| 192.578 | 0.0000 | 0.0000 | 72.529 | 0.18388 | 0.00000 | 628266.4 | 552946.2 | 0.0 | S |
| 216.578 | 0.0000 | 0.0000 | 72.249 | 0.16235 | 0.00000 | 628266.4 | 567803.1 | 0.0 | S |
| 240.578 | 0.0000 | 0.0000 | 71.993 | 0.14485 | 0.00000 | 628266.4 | 581000.6 | 0.0 | S |
| 264.578 | 0.0000 | 0.0000 | 71.756 | 0.13033 | 0.00000 | 628266.4 | 592832.6 | 0.0 | S |
| 288.578 | 0.0000 | 0.0000 | 71.535 | 0.11665 | 0.00000 | 628266.4 | 603520.9 | 0.0 | S |
| 360.578 | 0.0000 | 0.0000 | 70.984 | ---- | .--- | 628266.4 | 628266.4 | 0.0 | N.A. |

## Appendix D

ICPR Computer Modeling of Conveyance System Without Infiltration

# ICPR Conveyance System Modeling Without Infiltration 

Interim Plan Results

# ICPR Conveyance System Modeling Without Infiltration <br> Interim Plan Results 

100-year / 24-Hour Storm
Input Report Node Maximum Conditions Report Link Maximum Conditions Report
Vista Landifill Interim/Pre Consumer Vegetative Organic Naste Recycling Eacility
interim Storm nater Management Pian Interim Storm Nater Management Plan
100 Year / 24 Hour 100 Year / 24 Hour
Input Report


Status: Onsite

Nocie: staging
Type: ScS Unit

Vista Landill Interim/Pre Consumer Vegetative Organic waste Recycling Facility 100 Year / 24 Hour
Input Report unst 00.52 : (sxu)uoraexnc ux07s
0.587 :xo7ves 5urneed
00.0 : (sxu) 75 TUS 2wT~
fax: Allowable Q(cfs): 999999.000


Init Stage(ft): 60.000
farn Stage(fty): 62.000
Base Flow (cfs): 0.000 Init Stage (ft): 68.000
Name: interimpondil $\begin{array}{ll}\text { Group: BASE } & \text { Init Stage\{ft\}: } 86.000 \\ \text { Grow }\end{array}$ (cfs): $0.000 \quad$ Harn Stage\{ft\}: 92.000
Type: Stage/Area
Stage (ft) Area ac $^{\prime}$ )
$\begin{array}{ll}86.000 & 0.3230 \\ 87.000 & 0.4980 \\ 88.000 & 0.6750 \\ 89.000 & 0.8540 \\ 90.000 & 1.0330 \\ 91.000 & 1.2200 \\ 92.000 & 1.4200\end{array}$
Interconnected Channel and Pond Routing Model (ICPR) ©2002 Streamline Technologies, Inc.
Vista Landfil interim/pre Consumer vegetative Organic waste recyciing Facility
Interim Storm water Management Plan Interim Storm water Management Plan
jo year / 24 Hour
Input Report
Name: inteximpondi2 Base Elowicfs): 0.000
Group: BASE

| Name: poncilo | Base ELow (cfs): 0.000 | Init Stage(Et) : 82.000 |
| :---: | :---: | :---: |
| Group: SASE |  | Warn Stage(ft) : 92.000 |
| Type: Stage/Area |  |  |


| Stage(fe) | Area(ac) |
| ---: | ---: |
| 70.000 | 0.4970 |
| 71.000 | 0.5480 |
| 72.000 | 0.6000 |
| 73.000 | 0.6530 |
| 74.000 | 0.7080 |
| 75.000 | 0.8650 |
| 76.000 | 0.8830 |
| 77.000 | 0.9430 |
| 78.000 | 1.0060 |
| 79.000 |  |


Vista Lardfill Interim/Pre Consumer vegetative Organic Waste Recycling Facility
Interim Storm water Management Plan interim Storm water Management Pian
int Year/24 Hour
Input Report

$\begin{aligned} & \text { UPSTREAM } \\ \text { Geometry: } & \text { Circular } \\ \text { Span }(\text { in }): & 18.00 \\ \text { Rise(in) } & 18.00 \\ \text { Invert }(f t): & 78.300 \\ \text { Manning's N: } & 0.013000 \\ \text { Top Clip }(i n): & 0.000 \\ \text { Sot Cip }(i n): & 0.000\end{aligned}$
.000
3000
$000^{\circ}$
$000^{\circ}$
$08 \mp 0^{\circ}$
$0000^{\circ}$
00.8
00.8
Eriction Equation: Automatic
Solution Algorithm: Nost Restrictive
Entrance Loss Coef: 0.00


## CONNSTREAM

$\begin{array}{ll}8.00 & \text { EKit Loss Coef } \\ 2.000 & \text { Bend Loss Coef }\end{array}$

00
Inlet ctrl Spec: Use dc
Stabilizer Option: None
or tw

Upstream Fhw Inlet Edge Description:
Circular Concrete: Square edge w/ headwail
Downstream Fhw inlet Edge Description:
Circular Concrete: Square edge w/ headwall
Upstream Fhw Inlet Edge Description:
Circular Concrete: Square edge w/ headwail
Downstream Fhw inlet Edge Description:
Circular Concrete: Square edge w/ headwall





Upstream FHNA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall
circular concrete: Square edge w/ neadwall
Downstream EHMA Iniet Edge Description:
Circular Concrete: Square ecige w/ headwall
Circulat Concrete: Square ecige w/ headwali
Wain. of for Drop structure interima
*** Weir i of 1 for Drop Structure interimdsio ***
Botzom Clip(in): 0.000
TABEE
Interconnected Channel and Pond Routing Model (ICPR) ©2002 Streamline Technologies, Inc.
Vista Landilil Interim/Pre Consumer Vegetative Organic waste Recycling Facility
Interim Storm water Management Plan Interim Storm Nater Nanagement Rlan
io Year $/ 24$ Hour
input Report


 Name: vistainterimrte Fydrology Sim: Vistainterimnyd
Filename: C: \Program Eiles\icpr3\vistanterimute. 132
Patch: No
Deita 2 Factor: 0.00500

Interconnected Channel and Pond Routing Model (ICPR) ©2002 Streamline Technologies, Inc.

## ICPR Conveyance System Modeling

 Without Infiltration
## Buildout Results

# ICPR Conveyance System Modeling Without Infiltration 

Buildout Results

Pond 1<br>100-year / 24-Hour Storm

Input Report Node Maximum Conditions Report Link Maximum Conditions Report

[^1][^2]
Vista Pond ${ }^{2}$ Fin Conveyance Systern Routing w/o infiltration
100 Yx $/ 24$ Feport

| Stage (ft) | Area (ac) |  |  |
| :---: | :---: | :---: | :---: |
| 87.000 | 0.0010 |  |  |
| 94.000 | 0.0020 |  |  |
| Name: 181 |  | Base Elow(cfs) : 0.000 | Init Stage (ft) : 101.500 |
| Group: BASE |  |  | Warn Stage(ft): 103.500 |
| Type: Stage/Area |  |  |  |

Type: Stage/Are
Stage (5t)
Stage (ft) Area(ac)
Name: 1 C
Group: BASE
Type: Stage/Area
Stage $(f t) \quad$ Area $(a c)$

Name: 1Cl
Type: Stage/Area
Stage (ft) Area(ac)
$\begin{array}{lll}\text { Name: } 1 \text { CiA } & \text { Base Flow }(C \pm s): 0.000 & \text { Init Stage }(f t): 110.000 \\ \text { Group: BASE } & & \text { Warn Stage }(f t): 112.000\end{array}$
Type: Stage/Area
Stage(ft) Area(ac)
Interconnected Channel and Pond Routing Model (ICPR) ©2002 Streamline Technologies, Inc.
Vista Pond 1
ion Yr $/ 24$ ir Conveyance System Routing w/o infiltration
Input Report

Vista Pond 1
iCo Yr $/ 24$ inr Conveyance System Routing w/o infileration
Input Report



Input Report

Vista Pond 1
100 Yr $/ 24$ Hr Conveyance System Routing w/o infiltration
input Report input Report

Upstream EHWA Inlet Edge Description:
Circuiar Concrete: Square edge w/ headwall
Downstream EHwA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall
Name: plC3
Group: BASE
Geometry: Circuiar Geometry: Circuiar
Span(in): 18.00
2ise (in): 18.00
$\begin{aligned} \text { Rise }(\mathrm{in}): & 18.00 \\ \text { nvert }(\mathrm{Et}): & 139.600 \\ \text { nning's } \mathrm{N}: & 0.024000\end{aligned}$
$\begin{aligned} \text { Invert }(f t): & 139.000 \\ \text { Manning's } & 0.024000 \\ \text { Top Clip'in) } & 0.000 \\ \text { Cin(in) } & 0.000\end{aligned}$
$\begin{array}{ll}\text { Top Clip }(i n): & 0.000 \\ \text { Sot Ciip }(i n): & 0.000\end{array}$

| Name: p1C3 <br> Group: BASE |  | Erom Nocie: 1C3 | Length $(5 t): 45.00$ |
| :---: | :---: | :---: | :---: |
|  |  | To Node: 1CD | Count: 1 |
|  |  |  | Friction Equation: Automatic |
|  | UPSTREAN: | DOWNSTREAN | Solution Algorithm: Most Restrictive |
| Geometry: | Circuiar | Circuiar | Elow: Both |
| Span(in): | 18.00 | 18.00 | Entrance joss Coef: 0.00 |
| Rise (in): | 18.00 | 18.00 | Exit Loss Coef: 1.00 |
| Invert (¢t) : | 139.600 | 129.800 | Bend Loss Coef: 0.00 |
| Manning's N : | 0.024000 | 0.024000 | Outlet Ctrl Spec: Use oc or tw |
| Top Clip (in): | 0.000 | 0.000 | Inlet Ctrl Spec: Use dc |
| 3ot Ciip(in): | 0.000 | 0.000 | Stabilizer Option: None |

Upstream FiwA Inlet Edge Description:
Circular Concrete: Square edge w/ headwail
Downstream EwwA Inlet Edge Description:
Circular Concrete: Square edge w/ heaciwall
C--.--


## Interconnected Channel and Pond Routing Model (ICPR) ©2002 Streamline Technologies, Inc.

Vista Pond I
100 Yr $/ 24$ Hr Conveyance System Routing w/o infiltration Input Report

| $\begin{aligned} & \text { Top Clip }(i n): 0.000 \\ & \text { Bot Clip(in): } 0.000 \end{aligned}$ | $\begin{aligned} & 0.000 \\ & 0.000 \end{aligned}$ | Inlet Ctrl Spec: Use dc Stabilizer Option: None |
| :---: | :---: | :---: |
| Upstream FhWA Inlet Edge Description: |  |  |
| Circular Concrete: Square ed | w/ heaciall |  |
| Downstream FHWA Iniet EGge Description: Circular Concrete: Square edige w/ headwall |  |  |
| Name: pld2 | From Nocie: 1D2 | Length(ft): i 65.00 |
| Group: BASE | To Node: 1CD | Count: 1 |
| UPSTREAM | DOWNSTREAM | Eriction Equation: Automatic <br> Solution Algorithm: Most Restrictive |
| Geometry: Circular | Circular | Fiom: Both |
| Spartin): 24.00 | 24.00 | Entrance Loss Coef: 0.00 |
| Rise(in): 24.00 | 24.00 | Exit Loss Coef: 1.00 |
| Invert(fっ): 142.700 | 129.800 | Bend Loss Coef: 0.00 |
| Manning's N: 0.024000 | 0.024000 | Outiet ctrl Spec: Use dc or tw |
| Top Clip(in) : 0.000 | 0.000 | Inlet Ctri Spec: Use dic |
| Bot Clip $(\mathrm{in}): 0.000$ | 0.000 | Stabilizer Option: None |
| Upstream FHW Inlet Edge Description: |  |  |
| Circular Concrete: Square edge w/ neadwall |  |  |
| Downstream EHWA Inlet Edge Description: Circular Concrete: Square edge w/ headwall |  |  |
|  |  |  |
| = |  |  |
| Name: chib-1 <br> Group: BASE | Exom Node: 132 To Node: 2 B | Length(ft): 650.00 Count: I |
| UPSTREAN | DC\%NSTREAM | Eriction Equation: Automatic |
| Geometry: Trapezoidal | Trapezoidad | Solution Algorithm: Automatic |
| Invert(ft): 101.500 | 94.000 | Fiow: Both |
| TClpinitz(ft): 9999.000 | 9999.000 | Contraction Coef: 0.100 |
| Vanning's N: 0.024000 | 0.024000 | Expansion Coef: 0.300 |
| Top Clip (ft) : 0.000 | 0.000 | Entrance Loss Coef: 0.000 |
| $\begin{gathered} \text { Bot clip }(f t): 0.000 \\ \text { Main xsec: } \end{gathered}$ | 0.000 | Exit Loss Coef: 0.000 Outiet Ctrl Spec: Use dc or tw |
| AuxElevi (ft) : |  | Inlet Ctri Spec: Use dc |
| Aux xseci: |  | Stabilizer Option: None |
| AuxElev2(ft) : |  |  |
| Aux XSec2: |  |  |
| Top width(ft): |  |  |
| Depth(ft) : |  |  |
| Bot Width(ft): 0.000 | 0.000 |  |
| LtS d $^{\text {Slp (h/v) }}$ : 4.00 | 4.00 |  |


Vista Pond 1 ir Conveyance System Routing w/o infiltration
ion Yr $/ 24$ ir
Input Report


## Interconnected Channel and Pond Routing Model (ICPR) ©2002 Streamline Technologies, Inc.

Vista Pond $\hat{i}$
100 Yy $/ 24$ Fir Conveyance System Routing w/o infiltration Input Report


| $\begin{aligned} & \infty \\ & \stackrel{\infty}{9} \\ & \underset{m}{m} \end{aligned}$ |  |
| :---: | :---: |
|  |  |
|  |  |



Time
Stage
hrs


㔽

8
0
0
0
6


# ICPR Conveyance System Modeling Without Infiltration 

## Buildout Results

Pond 2<br>100-year / 24-Hour Storm

Input Report
Node Maximum Conditions Report
Link Maximum Conditions Report
$100 \mathrm{Yr} / 24 \mathrm{Hr}$ Conveyance System Routing w/o infiltration
$100 \mathrm{Yr} / 24 \mathrm{Hr}$
input Report
input Report

Node: pond2
Type: SCS Unit Hydrograph $C N$ Status: Onsite
$\cdot 78$ :
$\begin{aligned} \text { Time Shift }(\mathrm{hrs}): & 0.00 \\ \text { Max Allowable Q(cfs) }: & 999999.000\end{aligned}$

$$
2
$$

$\begin{aligned} \text { Peaking Factor: } & 484.0 \\ \text { Storm Duration(hrs): } & 24.00 \\ & 10.00\end{aligned}$



| Name: 231 | Nocie: 2B1 Status: Onsite |
| :---: | :---: |
| Group: BASE | Type: SCS Unit Hydrograph CN |
| Unit Rydrograph: Un484 | Peaking Eactor: 484.0 |
| Rainfall Eile: Orange | Storm Duration(hrs) 24.00 |
| Rainfali Amount (in): 10.600 | Time of Conc $(\mathrm{min}): 10.00$ |
| Area(ac): 1.120 | Time Shift(hrs): 0.00 |
| Curve Number: 98.00 | Max Allowable Q(cfs) : 999999.000 |
| DCIA $(\%): 0.00$ |  |


Name: 2B2
Group: BASE
Unit Hydrograph: Un484
Peaking Factor: 484.0
Storm Duration(hrs): 24.00
Time of Conc (min): 10.00

Max Allowable Q(c£s): 999999.000
Nocie: 2Ci-A
Type: SCS Unit Hydrograph CN
Unit

Max Aliowable Q(cfs): 999999.000
Node: $2 \mathrm{C} \mathrm{\lambda}-\mathrm{B}$
Type: SCS Unit Hydrograph CN
Interconnected Channel and Pond Routing Model (ICPR) ©2002 Streamline Technologies, Inc.
Vista Pond 2
$100 Y x / 26$ Fr Conveyance System Routing w/o infiltration
100 Yr / 26 Fr Conveyance System Routing w/o infiltration
input Report

$100 \mathrm{Yr} / 24 \mathrm{Hr}$ Conveyance System Routing w/o infiltration Input Report

$\begin{array}{ll}\text { Base Elow(cfs): } 0.000 & \text { Init Stage (ft): } 88.700 \\ \text { Harn Stage (ft): } 100.700\end{array}$
$\begin{array}{lll}\text { Name: 2B1 } & \text { Base Flow(cfs): } 0.000 & \text { Init Stage }(f t): 88.000 \\ \text { Groun: BASE } & & \text { Warn Stage }\langle\mathrm{ft}): 90.000\end{array}$
Group: BASE
Type: Stage/Area
Stage (ft) Area(ac)

| Name: 2B1 | Base Flow(cfs): 0.000 | Init Stage $(f t): 88.000$ |
| :--- | :--- | :--- |
| Groun: BASE | Narn Stage $\langle E t): 90.000$ |  |
| Type: Stage/Area |  |  |

Stage $(f t) \quad$ Area $\{a c\rangle$
$\begin{array}{ll}\text { Name: 2BI-A } & \text { Base Elow(cis): } 0.000 \\ \text { Group: SASE } & \text { Init Stage (ft) }: 87.300 \\ \text { Type: Stage/Area } & \end{array}$

| Stage (it) | Area (ac) |
| :---: | :---: |

$\begin{array}{lll}\text { Name: } 232 & \text { Base Fiow(cis) }: 0.000 & \text { Init Stage(ft): } 93.000 \\ \text { Group: BASE } & & \text { Warn Stage(ft): } 95.000\end{array}$
Stage \{ft Area\{ac)

| Name: 2C | Base Flowicfs): 0.000 | Init Stage (ft): 90.500 |
| :--- | :--- | :--- |
| Group: BASE | Warn Stage (ft): 92.500 |  |

Type: Stage/Area
Stage(ft) Area(ac)
$\begin{array}{ll}\text { Name: 2Cl-A } & \text { Base Fiow }(\mathrm{cfs}): 0.000 \\ \text { Group: BASE } & \end{array}$
Interconnected Channel and Pond Routing Model (ICPR) ©2002 Streamline Technologies, Inc.
Vista Pond 2
100 vr $/ 24$ Hr Conveyance System Routing w/o infiitration
input Report


## Interconnected Channel and Pond Routing Model (ICPR) ©2002 Streamline Technologies, Inc.

Vista Pond 2
100 Yr $/ 24 \mathrm{H}:$ Conveyance System Routing $w / 0$ infiltration
Input Report

Vista Pond 2
loo $\mathrm{Yr} / 24 \mathrm{Hr}$ Conveyance System Routing w/o infiltration
Input Report
Input Report

$$
\begin{aligned}
& 888888888
\end{aligned}
$$

| $\begin{aligned} & 70.000 \\ & 72.000 \\ & 74.000 \\ & 76.000 \\ & 78.000 \\ & 80.000 \\ & 82.000 \\ & 84.000 \end{aligned}$ | $\begin{aligned} & 1.9300 \\ & 2.1500 \\ & 2.4500 \\ & 2.7000 \\ & 2.9600 \\ & 3.2200 \\ & 3.4700 \\ & 3.7400 \end{aligned}$ |  |
| :---: | :---: | :---: |
|  |  |  |
| Name: p2B | From Nocie: 2D1-B | Length(ft): 150.00 |
| Group: BASE | To Node: 23 | Count: 1 |
| UPSTREAM | DOWNSTREAM | Solution Algorithm: Most Restrictive |
| Geometry: Circular | Circular | Flow: Both |
| Span(ir) : 18.00 | 18.00 | Entrance Loss Coef: 0.00 |
| Rise (in) : 18.00 | 18.00 | Exit Loss Coef: 1.0C |
| Invert(ft): 135.900 | 82.900 | Bend Loss Coef: 0.00 |
| Kanning's N: 0.013000 | 0.013000 | Outlet Ctxi Spec: Use dic or tw |
| Top Clip (in) : 0.000 | 0.000 | Inlet Ctrl Spec: Use dc |
| Bot Clip $(\mathrm{in})=0.000$ | 0.000 | Stabilizer Option: None |

[^3]$\begin{array}{lr}\text { From Nocie: } 2 \mathrm{C} 23 & \text { Length(it) } \\ \text { To Node: } 2 \mathrm{Count}: & 1 \\ & \text { Eriction Equation: Automa }\end{array}$

Name: p2C
Group: BASE
DOWNSTREAM
Circuiar

Exicion Equation: Automatic
Solution Algorithm: Most Restrictive
Flow: Both

Interconnected Channel and Pond Routing Model (ICPR) ©2002 Streamline Technologies, Inc.
100 vr $/ 24 \mathrm{Hr}$ Conveyance System Routing w/o infiltration input Report

Upstream EHWA Inlet Edge Description:
Circular Concrete: Square edge iw/ headwall
Name: p 2 C 2 A
Group: BASE
UPSTREAM
Geometry: Circuiar
Span(in): 18.00 $\begin{aligned} \text { Rise(in): } & 18.00 \\ \text { nvert(ft): } & 124.000\end{aligned}$ $\begin{array}{r}8 \\ 88 \\ 8 . \\ \hline 0 \\ \hline 1\end{array}$ Top Clip(in): 0.000
Bot Clip(in): 0.000 WNSTREAM

0.8
se dic
one
Use
None
or tw
Length(2t): 45.00
Friction Equation: Automatic
Solution AlGorithm: Nost Restrictive
yəoう sso' puag
jooj ssot 7 fra
ssor ajuex
Outlet ctri Spec
inlet ceri Spec
Outhet
Inlet
Stabilize
spec
Stablizer Option: None

From Node: $2 C 2 A$
To Node: $2 C 2 B$

|  | UPSTREAN | DOWNSTREAM |
| :---: | :---: | :---: |
| Geometry: | Circuiar | Circuiar |
| Span(in): | 18.00 | 18.00 |
| Rise(in) : | 18.00 | 18.00 |
| Invert(ft): | 124.000 | 109.000 |
| Manning's N : | 0.024000 | 0.024000 |
| Top Clipin) : | 0.000 | 0.000 |
| Bot Clip(in) : | 0.000 | 0.000 | 0.0240

0.000
0.000

Downstream FHWA Inlet Eqge Description:
Circular Concrete: Square edge w/ headwail
Downstream FHwA Inlet Eqge Description:

Circular Concrete: Square edge moad


$$
\begin{aligned}
& \text { Name: p2D2 } \\
& \text { Group: BASE }
\end{aligned}
$$

$\begin{array}{ll}\text { From Node: } 2 \mathrm{D} 2 & \text { Length (ft): } 140.00 \\ \text { To Node: } 2 \mathrm{C} 2 \mathrm{~B} & \text { Count: } 2\end{array}$ DOWNSTREAM
4.00
4.00
09.000
.013000 0.000
0.000
Geometry: Circuiar Span(in): 24.00
Rise 1 in): 24.00
88

rop CLip(in): 0.000

Upstrearn FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall
Downstream इHWA Inlet Edge Description:
Circular Concrete: Square eage w/ headwall
OWNSTREAM
Eriction Equation: Automatic
Solution Algorithm: Automatic
$\begin{aligned} & \text { Flow: Both } \\ & \text { Contraction Coef: } 0.100\end{aligned}$
Expansion Coef: 0.000
Entrance Loss Coef: 0.000
Exit Loss Coes: 0.000
Length(ft): 460.00

To Node: 2Bi-A
From Node: 231
Trapezoida
87.300
9999.000
0.02400
0.000
0.000

Interconnected Channel and Pond Routing Model (ICPR) ©2002 Streamline Technologies, Inc.
Vista Pond 2
100 Yr $/ 24 \mathrm{Hr}$ Conveyance System Routing w/o infiltration
Input Report

Vista Pond 2
100 yr $/ 24$ Hr Conveyance System Routing w/o Enfiltration
Input Report

| Name: ch2C1-A Group: BASE <br> . | $\begin{aligned} & \text { From Node: } 2 \mathrm{Cl}-\mathrm{A} \\ & \text { To Node: } 2 \mathrm{C} \end{aligned}$ | Length(ft): 580.00 Count: 1 |
| :---: | :---: | :---: |
| UPSTREAM | DOWNSTREAM | Eriction Equation: Automatic |
| Geometry: Trapezoidal | Trapezoidal | Solution Algorithm: Automatic |
| Invert(ft) : 130.000 | 90.500 | Flow: Both |
| TClpInitz(ft) : 9999.000 | 9999.000 | Contraction Coef: 0.100 |
| Manning's N: 0.020000 | 0.020000 | Expansion Coef: 0.300 |
| Top Clip(ft) : 0.000 | 0.000 | Entrance Loss Coef: 0.000 |
| Bot Clip(ft) : 0.000 | 0.000 | Exit Loss Coef: 0.000 |
| Main XSec: |  | Outiet Ctrl Spec: Use dic or tw |
| AuxElevl(ft) : |  | Inlet Ctri Spec: Use dic |
| Aux XSecl: |  | Stabilizer Option: None |
| AuxElev2(ft): |  |  |
| Aux XSec2: |  |  |
| Top Width(ft) : |  |  |
| Depth(ft) : |  |  |
| Bot Wiath (ft) : 0.000 | 0.000 |  |
| LtSdSip (h/v) : 3.00 | 3.00 |  |
|  | 3.00 |  |


| Name: ch2C2 | From Node: 2C2 | To Node: 2C2A |
| :---: | :---: | :---: |


| Name: ch2D-2A | Erom Node: 2D2A | Lo Node: 2D2 |
| :---: | :---: | :---: |

Interconnected Channel and Pond Routing Model (ICPR) ©2002 Streamline Technologies, Inc.
Vista Pond 2
loo Yr $/ 24 \mathrm{Hr}$ Conveyance System Routing w/o infiltration
Input Report

Interconnected Channel and Pond Routing Model (ICPR) ©2002 Streamline Technologies, Inc.
$100 \mathrm{Yr} / 24 \mathrm{Hr}$ Conveyance System Routing w/o infiltration
Input Report

Name: ds2B1
Group: BA.SE

| $\begin{aligned} & \text { Name: ds2B1 } \\ & \text { Group: BA.SE } \end{aligned}$ | From Nocie: 2Bi-A <br> To Nocie: pond2 | Length (ft): 135.00 count: 1 |
| :---: | :---: | :---: |
| UPSTREAM | DOWNSTREAM | Friction Equation: Automatic |
| Geometry: Circular | Circular | Solution Algorithm: Most Restrictive |
| Span(in): 30.00 | 30.00 | Flow: Both |
| Rise (in) : 30.00 | 30.00 | Entrance Loss Coef: 0.000 |
| Invert(ft) : 81.300 | 70.000 | Exit Loss Coef: 1.000 |
| Maning's N: 0.013000 | 0.013000 | Outlet Ctrl Spec: Use dc or tw |
| Top Ciip(in): 0.000 | 0.000 | Iniet Ctrl Spec: Use dc |
| Bot Clip(in) : 0.000 | 0.000 | Solution Incs: 10 |
| Upstream Fhwa inlet Edge Description: |  |  |
| Circuiar Concrete: Square edge $\mathrm{w} / \mathrm{headwall}$ |  |  |
| Downstream FHWA Inlet Edge Description: Circular Concrete: Square edge w/ headwall |  |  |
|  |  |  |

Interconnected Channel and Pond Routing Model (ICPR) ©2002 Streamline Technologies, Inc.
ioc Yr / 24 Hr Conveyance System Routing w/o inミiitration
Input Report

Vista Pond 2
$100 \mathrm{Yr} / 24 \mathrm{Hr}$ Conveyance System Routing w/o infiltration
Input Report










ópipiqióoijipipó
$\stackrel{y}{8}$


| Name | Group | Simulation | $\begin{array}{r} \text { Max Time } \\ \text { Elow } \\ \text { hrs } \end{array}$ | $\begin{gathered} \text { Max } \\ \text { Elow } \\ \text { cis } \end{gathered}$ | $\begin{array}{r} \text { Max } \\ \text { Deita } Q \\ \text { cfs } \end{array}$ | Max Time US Stage his | US Stage | Max Time DS Stage hes | $\begin{array}{r} \text { Maz } \\ \text { DS Stage } \\ \text { ft } \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ch2B1 | BASE | vistapond2rte | 8.51 | 2.48 | -0.013 | 8.51 | 88.81 | 8.51 | 87.80 |
| $\mathrm{ch} 2 \mathrm{B2}$ | BASE | vistaponcirte | 8.51 | 2.37 | -0.014 | 8.52 | 93.57 | 8.51 | 89.19 |
| ch20 | BASE | vistapondirte | 8.51 | 1.92 | -0.011 | 8.51 | 103.26 | 8.49 | 90.73 |
| $\operatorname{ch2CL}-\mathrm{A}$ | BASE | vistaponc2rte | 8.50 | 4.82 | -0.029 | 8.50 | 330.69 | 8.50 | 90.97 |
| ch 2 C 2 | BASE | vistaponcirte | 8.51 | 4.09 | 1.283 | 8.51 | 219.71 | 6.69 | 114.64 |
| ch2D-2A | BASE | vistapond2rte | 8.50 | 3.98 | 1.095 | 8.50 | 250.25 | 6.64 | 146.49 |
| ch2D2 | BASE | vistaponc?rte | 8.51 | 4.27 | -0.025 | 8.51 | 250.26 | 8.50 | 136.21 |
| ch2D2-3 | BASE | vistaponci2rte | 8.51 | 3.32 | 1.126 | 8.55 | 149.13 | 9.01 | 147.01 |
| DS2B | BASE | vistapond2rte | 8.61 | 6.62 | -0.028 | 8.61 | 88.98 | 24.00 | 77.18 |
| cs 283 | BESE | vistaponci2rte | 8.52 | 2.46 | -0.013 | 8.52 | 87.45 | 24.00 | 77.18 |
| ds2C | BASE | vistapondirte | 8.65 | 27.95 | -0.072 | 8.65 | 91.05 | 24.00 | 77.18 |
| p2B | BASE | vistaponciarte | 8.62 | 4.25 | 0.288 | 8.64 | 136.80 | 14.88 | 88.75 |
| p2C | BASE | vistapondirte | 8.97 | 21.28 | -3.709 | 8.97 | 109.75 | 6.26 | 90.77 |
| p2C2A | BASE, | Vistapond2rte | 8.55 | 4.08 | -0.034 | 8.56 | 115.05 | 8.55 | 109.47 |
| p2D2 | BASE | vistaponci2rte | 9.00 | 7.23 | 0.336 | 9.01 | 147.01 | 9.00 | 109.34 |

# ICPR Conveyance System Modeling Without Infiltration 

## Buildout Results

Pond 3<br>100-year / 24-Hour Storm

Input Report
Node Maximum Conditions Report Link Maximum Conditions Report

[^4]
Status: Cnsite
Node: pond3
Type: SCS Unit Hydrograph CN


$\begin{aligned} & \text { Time of Conc (min) : } 10.00 \\ & \text { Time Snift (hrs) }: 0.00 \\ & M a x \text { Alicwable } Q(c \pm s): 999999.000\end{aligned}$





Name: 3 A
Group: BASE
Unatt fydzorgaph: vhas

$\begin{aligned} \text { Area }\{\mathrm{ac}): & 5.520 \\ \text { Curve Number: } & 98.00 \\ \text { DCiA }\{8\}: & 0.00\end{aligned}$
------------------
Group: BMSE


Interconnected Channel and Pond Routing Model (ICPR) ©2002 Streamline Technologies, Inc.

[^5]
Vista pond 3
100 Y̌ $/ 24$ Hr Conveyance System Routing w/o infiltration
Input Report

Interconnected Channel and Pond Routing Model (ICPR) ©2002 Streamline Technologies, Inc.
Vista Pond 3
100 Yr $/ 24 \mathrm{Hr}$ Conveyance System Routing w/o infiltration
Input Report

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ heacivail
Downstream FHWA Inlet zdge Description:
Cixcular Concrete: Square edge w/ headiail DOWNSTREAM
From Nocie: $3 \mathrm{~B}-1$
To Nocie: $3 \mathrm{Bi}-\mathrm{A}$
\[

$$
\begin{array}{r}
\text { Length(ft): } 450.00 \\
\text { Count: } 1 \\
\text { Eriction Equation: Automatic } \\
\text { Solution Aigorithm: Automatic } \\
\text { Eiow: Soth } \\
\text { Contraction Coef: } 0.100 \\
\text { Expansion Coef: } 0.300 \\
\text { Entrance Loss Coef: } 0.000 \\
\text { Exit Loss Coef: } 0.000 \\
\text { Cutlet Ctri Spec: Use dc or iw } \\
\text { Inlet Ctsl Spec: Use dc } \\
\text { Stailizer Option: None }
\end{array}
$$
\]

## Name: ch3B2 From Node: 3B2 Eength(1t): 130.00

$\begin{array}{rrl}\text { Erom Node: } & 3 B 2 & \text { Length }(4 t): 130.00 \\ \text { To Node: } 3 B 2-A & \text { Count: } 1\end{array}$
DCWNSTREAM
Trapezoida
il3.600
1999.000
024000
0.0240
0.000
0.000
reprozedeñ : Кxาewoos
א甘สeuScn
$\begin{aligned} \text { Invert }(f t): & 116.200 \\ \text { CipInitz }(f t): & 9999.000 \\ \text { Manning } s \mathrm{~s}: & 0.024000\end{aligned}$
Top Clip $(f t): 0.000$
Bot Clip $(f t): 0.000$
Main XSec:
Exit Loss Coef: 0.000
Outiet Ctrl Spec: Use dc or tw
Interconnected Channel and Pond Routing Model (ICPR) ©2002 Streamline Technologies, Inc.
Vista Pond 3
$100 \mathrm{Yr} / 24 \mathrm{Kr}$ Conveyance System Routing w/o infiltration
100 Yn $/ 24 \mathrm{Kr}$
Input Report
Input Report


[^6]Input Report


$100 \mathrm{Yr} / 24 \mathrm{Hr}$ Conveyance System Routing w/o infiatration
Link Maximum Conditions Report

# ICPR Conveyance System Modeling Without Infiltration 

## Buildout Results

## Ponds 4 and 5

100-year / 24-Hour Storm
Input Report Node Maximum Conditions Report Link Maximum Conditions Report
Vista Pond 4 and Pond 5
100 Yr $/ 24$ Hx Conveyance System Routing a／o infiltration
Tnput Report Input Report

[^7]S亡atus：Onsite

$\begin{aligned} \text { Peaking Eactor：} & 484.0 \\ \text { Storm Duration（hrs）：} & 24.00 \\ \text { Time of Conc（min）} & 10.00 \\ \text { Time Shift（hrs）：} & 0.00 \\ \text { Vax Allowabie } Q(c t s): & 999999.000\end{aligned}$
Node：pond4
Type：SCS Unit
pond 4
SCS Unit Mydrograph CN
S亡atus：Onsize

T

Name： 4 A
Groun：BASE
Unit Byoirogr

| Name：4B | Noce：4BL Status：Onsite |
| :---: | :---: |
| Group：BASE | Type：SCS unit Hydrograph CN |
| Unit Hyarograph：Uh484 | Peaking Factor： 484.0 |
| Rainfall Eile：Orange | Storm Duration（hrs）： 24.00 |
| Raiṅall Amount（in）： 10.600 | Time of Conc（min）： 10.00 |
| Area（ac）： 2.340 | Time Snift（hrs）： 0.00 |
| Curve Number： 98.00 | Max Allowable Q（cfis）： 999999.000 |
| DCiA $\left\{\frac{3}{6}\right\}: 0.00$ |  |



| Name： 4 C 2 | Node： $4 C 2$ | Status：Onsite |
| :---: | :---: | :---: |

Name：4C2
Group：BASE
Unit Hydrograph：Un484
Peaking Factor： 484.0
Storm Duration（hrs）： 24.00
mime 0 （ 10.00
Time Shift（hrs）： 0.00
Ma天 Ailowable D（cfs）： 999999.
Max Ailowable O （cfs）： 999999.000
lista Pond 4 and Pond 5
100 yr $/ 24$ Hr Conveyance System Routing w/o infiltration
Input Report
Vista Pond 4 and Pond 5
100 yr $/ 24$ Hr Conveyance System Routing w/o infiltration
Input Report

| Name: 5B2 Group: SASE Unit Hydrognaph: Un484 Rainfal2 File: Orange Rainfali Amount (in): 10.600 Area (ac) $: 0.220$ Curve Number: DCIA $(\%): 0.00$ | ```Node: 5B2 Status: Onsize Type: SCS Unit #ycrograph CN Peaking Factor: 484.0 Storm Duration(hrs): 24.00 Time of Conc(min): 10.00 Time Shift(hrs): 0.00 Mar Allonable Q\Css): 999999.000``` |
| :---: | :---: |
| Name: 5B3 Group: BASE Unit Hycrograph: Un484 Rainfall Eile: Orange Rainfall Amount (in): 10.600 Arealaci: 1.640 Curve Number: 98.00 DCTA (\%): 0.00 | ```Noce: 533 Status: Onsite Type: SCS Unit #ycrograph CN Peaking Factor: 484.0 Storm Duration(hrs): 24.00 Time of Conc(min): 10.00 Time Snift(hrs): 0.00 Nax Allowable Q(cfs): 999999.000``` |
| ```Name: 5B4 Group: BASE Unit Hycrograph: Uh484 Rainfail Eile: Orange Rainfali Amount(in): 10.600 Axea(ac): 0.470 Curve Number: 98.00 DCTA(E): 0.00``` | ```Nocie: 5B4A Type: SCS Unit :#ydrograph CN Peaking Eactor: 484.0 Storm Duration(hrs): 24.00 Time of Conc(min): 10.00 Time Shift(hrs): 0.00 Status: Onsite Max Allowable Q(cfs): 999999.000``` |
| ```Name: 5C1 Group: BASE Unit Hycrograph: Jn484 Rainfald File: Orange Rainfall Amount(in): 10.600 Area(ac): 0.980 Curve Number: 98.00 DCIA(%): 0.00``` | Nocie: SC1 Type: ScS unit Hydrograph Cis Peaking Factor: 484.0 Storm Duration(hrs) $: 24.00$ Time of Conc (min) $: 10.00$ Time Shift (hrs) $: 0.00$ Max Aliowaile Q(cis): 999999.000 |
| Name: 5C2 Group: B2SE Untt Hydrograph: Un484 Rainfall File: Orange Rainfali Amount (in): 20.600 | ```Noce: SC2 Status: Onsite Type: SCS Unit Hydrograph CN Feaking Factor: 484.0 Storm Duration<hrs;: 24.00 Time of Conc(min): 10.00``` |

Interconnected Channel and Pond Routing Model (ICPR) ©2002 Streamline Technologies, Inc.
listar / 24 Hr Conveyance System Routing w/o infiltration Input Report

| Area(ac) $:$ 0.860 <br> Curve Number: 98.00 <br> DCIA (\%) 0.00 | ```Tine Shift(hrs): 0.00 Nas Allowable Q(cfs): 999999.000``` |
| :---: | :---: |
| Name: 5C3 Group: BASE Unit Hydrograph: Un484 Ratnfall File: Orange Rainfali Amount(in): 10.600 Area(ac): 1.920 Curve Number: 98.00 DCiA (\%): 0.00 | ```Nocie: 5C3 Status: Onsite Type: SCS unit fydrograph CN Peaking Eactor: 484.0 Storm Duration(hrs): 24.00 Time of Conc(min): 10.00 Time Shist(hrs): 0.00 Max fllowable Q(cfs): 999999.000``` |
| Name: SC4 Group: BASE Unit Hydrograph: Un484 Rainfali Eile: Orange Rainfall Amountin): 10.600 Area(ac): 0.910 Curve Number: 98.00 DCIF $(\%): 0.00$ | ```Nocie: 5C4 Status: Onsite Type: SCS Unit Hycrograph CN Peaking Eactor: 484.0 Storm Duration(hrs): 24.00 Time of Conc(min): 10.00 Time Shift(hrs): 0.00 Max Allowable Q(cIs): 999999.000``` |
| ```Name: 501-B Group: BASE Unit Hydrograph: Un484 Rainfajl File: Orange Rainfall Amount(in): 10.600 Area(ac): 2.470 Curve Number: 98.00 DCIA(%): 0.00``` | ```Nocie: 5DS-3 Statlis: Onsite Type: SCS Unit Hycirograph CN Peaking Factor: 484.0 Storm Duration(hrs): 24.00 Time of Conc(min): 10.00 Time Shift(hrs): 0.00 Ma: Allowable Q(cfs): 999999.000``` |
| ```Name: 5DIA Group: BASE Unit Hycrograph: Un484 Rainfald Eile: Orange Rainfall Amount(in): 10.600 Area(ac): 1.790 Curve Number: 98.00 DCIA{%): 0.00``` | ```Node: 5DIA Type: SCS unit Hycrogreph CN Peaking Eactor: 484.0 Storm Duration(hrs): 24.00 Time of Conc(min): }10.0 Time Shift(hrs): 0.00 Status: Onsite Nax Allowable Q{cfs): 999999.000``` |
| Name: 5D2A. | Nocie: 5D2A Status: Onsite |

Vista Pond 4 and Pond 5
100 Yr / 24 ir Conveyance System Routing w/o infiltration
input Report

Vista pond 4 and Pond 5
100 Yr $/ 24 \mathrm{Hr}$ Conveyance System Routing w/o infiltration Input Report

100 yr $/ 24 \mathrm{Hr}$ Conveyance System Routing w/o infilutration
input Report

## Type: Stage/Area

| Type: Stage/Area |  |  |
| :---: | :---: | :---: |
| Stage (ft) | Area $a c$ ) |  |
|  | Base zlow (Cfs) : 0.000 | $\begin{aligned} & \text { Init Stage(ft): } 143.300 \\ & \text { Warn Stage(ft): } 145.300 \end{aligned}$ |
| Stage (ft) | Area (ac) |  |
| ```Name: 4D2B Group: BASE Type: Stage/Area``` | Base Elowicis) : 0.000 | Init Stage(ft): 146.200 Warn Stage(ft): 148.200 |


| Stage (ft) | Area (ac) |
| :---: | :---: |

Name: 53
Group: BASE
Type: Stage/Area


| ```Name: 5S1A Group: BASE Type: Staç/Area Stage(ft) Area(ac)``` | $\text { Base Elow(cfs): } 0.000$ | $\begin{aligned} & \text { Init Stage(ft): } 91.000 \\ & \text { Warn Stage(ínt): } 93.000 \end{aligned}$ |
| :---: | :---: | :---: |
| Name: 5B2 <br> Group: BASE | Base Elow(cfs): 0.000 | $\begin{aligned} & \text { Init Stage (ft): } 91.000 \\ & \text { Warn Stage (ft): } 93.000 \end{aligned}$ |

## Interconnected Channel and Pond Routing Model (ICPR) ©2002 Streamline Technologies, Inc.

Vista Pond 4 and Pond 5
io Yy $/ 24 \mathrm{Hr}$ Conveyance System Routing w/o infiltration Input Report

vista pond 10 and Pond 5
Input Report
Vista Pond 4 and Pond 5
100 Yr $/ 244$ Conveyance
Input Report
Vista Pond 4 and Pond 5
100 Yr $/ 24 \mathrm{Hr}$ Conveyance System Routing w/o infilcration Input Report

\begin{abstract}[^8]

| Name: 501 | Base Elow(cfs): 0.000 | Init Stage $(\mathrm{ft})$ : 143.500 |
| :---: | :---: | :---: |
| Group: BASE |  | Warn Stage(ft): 145.500 |
| Type: Stage/ărea |  |  |

Vista Pond 4 and Pond 5
100 yx $/ 24$ Hr Conveyanc
Imput Report
lo $100 / 24 \mathrm{Hr}$ Conveyance System Routing w/o infiltration
Input Report

Vista Pond 4 and Pond 5
ion $\mathrm{Yx} / 24$ Ur Conveyance System Routing w/o infiltration
Input Repori

Vista Pond 4 and Pond 5
100 Yr / 24 Hr Conveyan
Ioo Yr / 24 Hr Convejance System Routing w/o infiltration
Input Report

|  | ```Friction Equation: Altomatic Solution Algorithm: Mose Restrictive Flow: 3oth Entrance Loss Coef: 0.00 Exit Loss Coee: 2.00 Bend Loss Coef: 0.00 Outiet Ctri Spec: Use dc or tw mnlet Ctrl Spec: Use dc Stabilizer Option: None``` |
| :---: | :---: |
| Upstream EHWA Iniet Ecige Description: <br> Circular Concrete: Square edge $\% /$ headwall <br> Downstream Fhw inlet Eage Description: <br> Circular Concrete: Square ecige w/ headiall |  |
| Name: P5C Erom Nocie: 50 <br> Group: SASE  <br>   <br> To Node: 58  | ```Length(今た): 38.00 Count: 1 Eriction Equation: Automatic Solution Algorithm: Most Restrictive Flow: Both Entrance Loss Coef: 0.00 Exit Loss Coef: 1.00 Benc Loss Coez: 0.00 Outlet ctrl Spec: Use dc or tw Inlet Crrl Spec: Use cic Stabilizer Option: None``` |
| Upstream Fhw inlet EGge Description: Circular Concrete: Scuare edge w/ headwal <br> Downstream EHWA Iniet Eage Description: Circular Concrete: Scuare edge w/ headwall |  |
|  | Length(ft): 40.00 Count: Friction Equation: Automatic Solution Rigorithm: Nost Restrictive Elow: Both Entrance Loss Coef: 0.00 Enit Loss Coef: 1.00 Bend Loss Coef: 0.00 Outiet Ctrl Spec: Use co or tw Iniet ctrl Spec: Use ac Stabilizer Option: None |
| Upstream FHWA Inlet Eage Description: Circuiar Concrete: Square edge w/ headwal |  |

Interconnected Channel and Pond Routing Model (ICPR) ©2002 Streamline Technologies, Inc.



[^9]Name: PSC3A.
Group: BASE
Geometry: Circular Span(in): 18.00
Rise(in): 18.00
vert $(E t): 122.000$
$\begin{array}{rll}\text { Invert (Et) }: 12.000 & 98.000 \\ \text { Manning's N: } 0.013000 & 0.013000 \\ \text { mop Clip(in): } 0.000 & 0.000 \\ \text { Bot Clip(in): } 0.000 & 0.000\end{array}$
Upstream Fhmp Inlet Edge Description:
Circular Concrete: Scuare edge w/ hea
Downstream Fhw inlet Edge Description:
Circular Concrete: Square edge w/ headwail Upstream EHWA Inlet Edge Description:
Circular Concrete: Square eage w/ headwail

Downstream Fuw Iniet Ecige Description:
Cincular Concrete: Square edge w/ headwad
Downstream EuWh Iniet Eccige Descripuion.
Opon wox
$00 \cdot 0$ : (7弓) पа6uer

| $\begin{array}{r} \text { Name: PSC5 } \\ \text { Group: BP.SE } \end{array}$ |  | Erom Node: SCS | Length (Et) : 40.00 |
| :---: | :---: | :---: | :---: |
|  |  | To Node: 5B4A. | Count: 1 |
|  |  |  | Fuiction Equation: Automatic |
|  | UPSTREAM | DOWNSTREAM | Solution Algorithm: Most Restrictive |
| Geometry: | Cixcuiar | Circuiar | Flow: Both |
| Span(in): | 30.00 | 30.00 | Entrance Loss Coef: 0.00 |
| Rise(in): | 30.00 | 30.00 | Exit Loss Coes: 1.00 |

Interconnected Channel and Pond Routing Model (ICPR) ©2002 Streamline Technologies, Inc.

Vista Pond 4 and Pond 5
100 Yu $/ 24$ Hz Conveyance System Routing w/o infiltration
Input Report


[^10]

| Name: Group: | $\begin{aligned} & \mathrm{CH} 4 \mathrm{BI} \\ & \mathrm{BASE} \end{aligned}$ | $\begin{aligned} \text { From Nocie: } 4 \mathrm{BI} \\ \text { ro Nocie: } 4 \mathrm{C} \end{aligned}$ | Length(it): 580.00 Count: 1 |
| :---: | :---: | :---: | :---: |
|  | UPSTREAM | DOWNSTREAM | Friction Equation: Automatic |
| Geometry: | Trapezoicial | Trapezoidel | Solution Algorithm: Automatic |
| Invert(ft): | 104.000 | 99.500 | Flow: Both |
| TClpinitz(ft): | 9999.000 | 9999.000 | Contraction Coef: 0.100 |
| Manning's N: | 0.024000 | 0.024000 | Expansion Coef: 0.300 |
| Top cliplit : | 0.000 | 0.000 | Entrance Loss Coef: 0.000 |
| Bot Clip(ft): | 0.000 | 0.000 | Exit Loss Coef: 0.000 |
| Main XSec: |  |  | Outlet Ctrl Spec: Use dic or tw |
| AuxElevi(ft): |  |  | Inlet ctri spec: Use de |
| Aux XSeci: |  |  | Stabilizer Option: None |
| EunElev2 (ft): |  |  |  |
| Aux XSec2: |  |  |  |
| Top Micith (ft): |  |  |  |
| Depth(ft): |  |  |  |
|  | 4.000 | 4.000 |  |
| LtSCSIp $(\mathrm{h} / \mathrm{v})$ : | 3.00 | 3.00 |  |
| RtScsip $(\mathrm{h} / \mathrm{v})$ : | 3.00 | 3.00 |  |


Vista Pond 4 and Pond 5
ioo yr $/ 24 \mathrm{Hr}$ Conveyance System Routing w/o infiltration
Input Report


Vista Pond 4 and Pond 5
$100 \mathrm{Yr} / 24 \mathrm{kr}$ Conveyance
io Yr/24 Hr Conveyance System Routing w/o infiltation
Input Report

Vista pond 4 and Pond 5
100 yr $/ 24$ tu Conveyance system Routing w/o infilutation
Input Report
Input Report

| Name: Group: | $\begin{aligned} & \text { CHSDIA } \\ & \text { BASE } \end{aligned}$ | From Noce: 5DiA <br> To Nocie: 5D1 | Eength(fe): 280.00 Count: 1 |
| :---: | :---: | :---: | :---: |
|  | UPSTREAM | DOWNSTREAM | Exiction Equation: Alutomatic |
| Geometry: | Trapezoical | Trapezoicial | Solution Algorithm: Automatic |
| Invert(ft): | 146.200 | 143.500 | Flow: Both |
| TClpinitz(ft): | 9999.000 | 9999.000 | Contraction Coef: 0.100 |
| Manning's N: | 0.024000 | 0.024000 | Expansion Coef: 0.300 |
| Top Clip $(\underline{\text { ct) }}$ : | 0.000 | 0.000 | Entrance Loss Coef: 0.000 |
| Bot Clip(et): | 0.000 | 0.000 | Ezit Loss Coeff: 0.000 |
| Main XSec: |  |  | Outlet Ctri Spec: Use dc or tw |
| AusElev1(ft): |  |  | iniet cril Speo: use dic |
| Aux XSec1: |  |  | Stabilizer Option: None |
| AusElev2 (ft) : |  |  | Stabluzer Option: None |
| Aux XSec2: |  |  |  |
|  |  |  |  |
| Depth(ft): |  |  |  |
| Bot Wicith(ft) : | 0.000 | 0.000 |  |
| EtSciSlp $(\mathrm{h} / \mathrm{H})$ : | 3.00 | 3.00 |  |
| RtScislp $(\mathrm{h} / \mathrm{y})$ : | 25.00 | 25.00 |  |


| Name: Group: | CH5D13 <br> BASE | To Node: 5D. <br> From Noce: 5D1-B ro Nocie: 501 | Length(ft): 400.00 Count: 1 |
| :---: | :---: | :---: | :---: |
|  | UPSTREAM | DOFNSTREAM | Eriction Equation: Automatic |
| Geometry: | Trapezoidal | Trapezoidal | Solution Algorithm; Automatic |
| Inverせ(ft): | 147.400 | 243.500 | Elow: Both |
| TClpInitz(ft): | 9999.000 | 9999.000 | Contraction Coef: 0.100 |
| Manning's N: | 0.024000 | 0.024000 | Expansion Coef: 0.300 |
| Top Clip(ft): | 0.000 | 0.000 | Entrance Loss Coef: 0.000 |
| Bot Clip(ft) : | 0.000 | 0.000 | Exic Loss Coef: 0.000 |
| Main xsec: |  |  | Outiet Ctrl Spec: Use dic or tw |
| AusElevi (ft): |  |  | Inlet Cirl Spec: Use dc |
| Aux XSec 2 : |  |  | Stabilizer Option: None |
| PuxElev2 (ft): |  |  |  |
| Aux XSec2: |  |  |  |
| Top Wicith(ft): |  |  |  |
| Depth(ft): |  |  |  |
| Bot wioth(ft): | 0.000 | 0.000 |  |
| LtSCSIp $(\mathrm{h} / \mathrm{v})$ : | 3.00 | 3.00 |  |
| RESOSID (h/v): | 25.00 | 25.00 |  |
| Name: | CH5D2A | Erom Nocie: 502A | Zength(ft) : 410.00 |
| Group: | BASE | To Node: 5D2 | Count: 1 |
|  | UPSTREAM | DOFNSTREAM | Friction Equation: Automatic |
| Geometry: | Trapezoidal | Trapezoidal | Solution Aigorithm: Automatic |
| Invert(ft): | 147.400 | 143.400 | Flow: Both |
| TClpInitz(ft): | 9999.000 | 9999.000 | Contraction Coef: 0.100 |
| Manning's N: | 0.024000 | 0.024000 | Expansion Coef: 0.300 |
| Top Clip(ft) : | 0.000 | 0.000 | Entrance Loss Coef: 0.000 |
| Bot Cliplft): | 0.000 | 0.000 | Exit Loss Coef: 0.000 |

Vista pond 4 and Pond 5
100 Yt $/ 24$ Er Conveyance
Input Report
$100 \mathrm{Y}=/ 24 \mathrm{Er}$ Conveyance System Routing w/o infiltration
Input Report

Vista pond 4 and Pond 5
ioo yr $/ 24$ fr Conveyance System Routing w/o infilitration
input Report


$$
\begin{aligned}
& \text { Vista Pond } 4 \text { and Pond } 5 \\
& 100 \mathrm{yr} / 24 \mathrm{Hr} \text { Conveyance }
\end{aligned}
$$

$$
\begin{aligned}
& 100 \text { yr / } 24 \mathrm{Hr} \text { Conveyance System Routing w/o infiltration } \\
& \text { Input Report }
\end{aligned}
$$


Vista pond 4 and Pond 5
100 Yy $/ 24 \mathrm{Hr}$ Conveyan
100 yr $/ 24 \mathrm{Hr}$ Conveyance System Routing w/o infiltration
Input Report -


जुण



아얘心


|  |  <br>  |
| :---: | :---: |
|  |  <br> 多 <br>  <br>  |
| 9 3 3 3 | 为 <br>  |
| $\begin{aligned} & 9 \\ & \stackrel{y}{4} \\ & \text { 复 } \end{aligned}$ |  |



# ICPR Conveyance System Modeling Without Infiltration 

## Buildout Results

Pond 6<br>100-year / 24-Hour Storm

Input Report
Node Maximum Conditions Report Link Maximum Conditions Report
Vista Pond 6
100 Xr $/ 24 \mathrm{Hr}$ Conveyance System Routing
Input Report



Name: 6 A
Group: BASE
Node: pond6 $\quad$ Status: Onsite
Type: SCS Unit Hydrograph CN
Peaking Factor: 484.0
Storm Duration(hys): 24.00

Max Ailowable Q(Cfs): 999999.000
Node: $6 B$
Type: SCS Unit Hydrograph $C N$ Status: Onsite
Peaking Factor: 484.0



Base Flowicfs): $0.000 \quad$ Init Stage (ft): 91.000
$000 \cdot 86:(27)$ әбе
Base Elow(cfs): 0.000 Init Stage (ft) : 58.000
Stage (ft) Area (ac)
Vista Pond 6
100 Yr $/ 24 \mathrm{Hr}$ Conveyance System Routing
Input Report 96.


| Name: DS6 | From Node: 6B | Length(ft) : 60.00 |
| :---: | :---: | :---: |
| Group: BASE | To Nocie: pond6 | Count: 1 |
| UPSTREAM | DOMNSTREAM | Friction Equation: Automatic |
| Geometry: Circular | Circuiar | Solution Aigorithm: Most Restrictive |
| Span(in): 28.00 | 18.00 | Elow: Both |
| Rise(in): 18.00 | 18.00 | Entrance Loss Coef: 0.000 |
| Invert(ft): 91.000 | 85.000 | Exit Loss Coef: 1.000 |
| Manning's N: 0.013000 | 0.013000 | Outiet Ctrl Spec: Use dc or tw |
| Top Clip(in) : 0.000 | 0.000 | Enlet Ctrl Spec: Use dic |
| Bot Clip (in) : 0.000 | 0.000 | Solution Incs: 10 | Upstream FHWA Inlet Circuiar Concrete: Square edge w/ headwall

Downstream Fiff Inlet Edge Description:
Circuiar Concrete: Square edge w/ headwall
*** Weir 2 of 1 for Drop Structure DS6 ***

Interconnected Channel and Pond Routing Model (ICPR) ©2002 Streamline Technologies, Inc.

# ICPR Conveyance System Modeling Without Infiltration 

## Buildout Results

Pond 7<br>100-year / 24-Hour Storm<br>Input Report<br>Node Maximum Conditions Report<br>Link Maximum Conditions Report

[^11]

Name: 7A
Group: BASE
Node: pond7 $\quad$ Status: Onsite
Type: SCS Unit Hycirograph CN
Peaking Factor: 484.0
Storm Duration (inrs): 24.00
Time of Conc $(\mathrm{min}): 10.00$

$\begin{aligned} & \text { Time Shift }(\mathrm{hrs}): 0.00 \\ & \text { Nax Allowable } Q\{c f s\}: 999999.000\end{aligned}$
Nax Aliowable Qicesi: 99999.000

| Name: 731 | Node: 731 Status: Onsite |
| :---: | :---: |
| Group: BASE | Type: SCS unit Hycrograph CN |
| Unit Hydrograph: Un484 | Peaking Factor: 484.0 |
| Rainfall File: Orange | Storm Duration(hrs) : 24.00 |
| Rainfall Pmount(in) : 10.600 | Time of Conctmin): 10.00 |
| Area $\{\mathrm{ac}$ ) $=1.490$ | Time Snift(hrs): 0.00 |
| Curve Number: 98.00 | Max Ailowable Qicfs) : 999999.000 |
| DCIA (\%) : 0.00 |  |


| Name: 732 | Noce: 732 Status: Onsite |
| :---: | :---: |
| Group: BASE | Type: SCS Unit Hydrograph CN |
| Unit Hydrograph: Uh484 | Peaking Factor: 484.0 |
| Rainfall Eile: Orance | Storm Duration(hrs): 24.00 |
| Rasinfail Amount (in) : 10.600 | Time of Conc(min): 10.00 |
| Area (ac) $=0.810$ | Time Shift (hrs) : 0.00 |
| Curve Number: 98.00 | Max Allowable Q(cfs) : 999999.000 |
| DCIA $(8): 0.00$ |  |


| Name: 7C1-A | Node: 7C1-A |  |
| :---: | :---: | :---: |
| Name. 7 Cra | Node. |  |

Name: $7 \mathrm{Cl}-\mathrm{A}$
Group: BASE
nit Hydrograph: Jn484
Rainfall Eije: Orange

Time Shift(hrs): 0.00
Max Aliowable Q(cfs) $: 999999.000$
Node: $7 C 1-B$
Type: SCS Unit Hydrograph $C N$
Interconnected Channel and Pond Routing Model (ICPR) ©2002 Streamline Technologies, Inc.
ista ?ond
100 Yr / 24 Hir Conveyance System Nodeling
Input Report

Vista Pond 7
100 yx $/ 24 \mathrm{Hr}$ Conveyance System Modeling
100 Yx $/ 24 \mathrm{Hr}$
Input Report

| Type: Stage/Area |  |  |
| :---: | :---: | :---: |
| Stage (ft) A |  |  |
| $\begin{aligned} & 105.000 \\ & 109.500 \\ & 110.000 \\ & 111.000 \\ & 112.000 \end{aligned}$ |  |  |
| Name: 7C <br> Group: BASE <br> Type: Stage/Area <br> Stage:ft; | $\text { Base Eiow (cfs): } 0.000$ | $\begin{aligned} & \text { Init Stage }(f t): 143.400 \\ & \text { Warn Stage }(f t): 145.400 \end{aligned}$ |
| Name: 7C1 <br> Group: BASE <br> Type: Stage/Area <br> Stage(ft) | Base Flow(cfs): 0.000 | $\begin{aligned} & \text { Init Stage(ft): } 143.000 \\ & \text { Warn Stage(Et): } 145.000 \end{aligned}$ |
| Name: 7C1-A <br> Group: BASE <br> Type: Stage/Area <br> Stage (ft) | Base Flow (cas): 0.000 | ```Init Stage(fっ): 146.500 Warn Stage(ft): \48.500``` |
| Name: 7C1-B <br> Group: BASE <br> Type: Stage/Area <br> Stage (ft) | Base zlow(cfs): 0.000 | $\begin{aligned} & \text { Init Stage(ft): } 145.300 \\ & \text { Warn Stage(ft): } 147.300 \end{aligned}$ |
| Name: 7C2 <br> Group: BASE <br> Type: Stage/Area | Base Elow (cfs): 0.000 | $\begin{aligned} & \text { Init Stage(ft): } 145.300 \\ & \text { Warn Stage(ft): } 247.300 \end{aligned}$ |

[^12]

[^13]
Interconnected Channel and Pond Routing Model (ICPR) ©2002 Streamline Technologies, Inc.
Vista Pond 7
ioc yr／ 24 Hr Conveyance System Modeling
Input Report

| Invert（ft）： 215.500 | 109.500 | Flow：Both |
| :---: | :---: | :---: |
| TClpInitz（ft）： 9999.000 | 9999.000 | Contraction Coef： 0.100 |
| Manning＇s N： 0.024000 | 0.024000 | Expansion Coez̃： 0.300 |
| Top CLip（边）$: 0.000$ | 0.000 | Entrance Loss Coetf： 0.000 |
| Bot Clip（fさ）： 0.000 | 0.000 | Exit Loss Coef： 0.000 |
| Main XSec： |  | Outlet ctrl Spec：Use dc or tw |
| AuxElevl（ft）： |  | Inlet Ctrl Spec：Use dic |
| Aux XSeci： |  | Stabilizer Option：None |
| AuxElev2（ft）： |  |  |
| Aux XSec2： |  |  |
| Top Width（it）： |  |  |
| Depth（ft）： |  |  |
| Bot width（ft）： 4.000 | 4.000 |  |
| LeScislp（h／v）： 3.00 | 3.00 |  |
| RtSasip（h／v）： 3.00 | 3.00 |  |



Interconnected Channel and Pond Routing Model（ICPR）©2002 Streamline Technologies，Inc．

[^14]
Vista Pond 7
100 Yr $/ 24 \mathrm{Hr}$ Conveyance System Modeling
Input Report
nput Report



| Name | Group | Simuiation | $\begin{array}{r} \text { Max Mime } \\ \text { Elow } \\ \text { nrs } \end{array}$ | $\begin{gathered} \text { Max } \\ \text { Eiow } \\ \text { Cfis } \end{gathered}$ | $\begin{array}{r} \text { Vax } \\ \text { Delta } Q \\ \text { cfs } \end{array}$ | Max Time us Stage hrs | $\begin{array}{r} \text { Max } \\ \text { Us stage } \\ \text { ft } \end{array}$ | Max Time DS Stage hrs | $\begin{array}{r} \text { Max } \\ \text { DS Stage } \\ f t \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| CH73 | BASE | VISTAPCND7RTE | 8.50 | 3.28 | -0.022 | 8.50 | 135.76 | 19.12 | 1.09 .55 |
| CH7B2 | BASE | Vismapondirae | 8.50 | 1.78 | -0.012 | 8.50 | 115.68 | 8.48 | 109.67 |
| CH7CLA. | BASE | VISTAPOND7RTE | 8.50 | 5.19 | 1.779 | 7.33 | 146.89 | 9.01 | 144.25 |
| C\%7C13 | BASE | VISMAPOND7RTE | 8.51 | 3.62 | -0.024 | 8.58 | 145.65 | 9.01 | 244.25 |
| CH7C2 | BASE | Vistapondirte | 8.50 | 2.66 | -0.018 | 8.51 | 145.60 | 8.61 | 144.09 |
| DS73 | BASE | VISTAPONDTRTE | 9.00 | 11.97 | -0.072 | 9.00 | 103.92 | 24.00 | 109.38 |
| DS782 | BASE | VISTAPONDTRTE | 8.51 | 1.78 | 0.040 | 8.51 | 109.62 | 24.00 | 109.38 |
| P7C | BASE | VISTAPONDTRTE | 8.59 | 2.65 | 0.145 | 8.61 | 144.09 | 24.00 | 109.38 |
| p7C1 | BASE | VISTAPONDTRTE | 8.99 | 8.72 | -0.454 | 9.01 | 344.25 | 17.25 | 109.56 |

# ICPR Conveyance System Modeling Without Infiltration 

## Buildout Results

Pond 8<br>100-year / 24-Hour Storm

Input Report
Node Maximum Conditions Report
Link Maximum Conditions Report
Vista Pond 8
$100 \mathrm{Yr} / 24 \mathrm{H}$
$100 \vee r / 24 \mathrm{Hr}$ Conveyance System Routing
Input Report

Vista Pond ${ }^{8}$
$100 \mathrm{Yr} / 24 \mathrm{Hr}$ Conveyance System Routing
Input Report
Vista pond 8
ion $\mathrm{yr} / 24 \mathrm{ir}$ Conveyance System Routing
Input Report



$$
\begin{array}{r}
\text { Length(ft): } 500.00 \\
\text { Count: } 1 \\
\text { Eriction Eguation: Automatic } \\
\text { Solution Algorithm: Automatic } \\
\text { Flow: Both } \\
\text { Contraction Coef: } 0.100 \\
\text { Expansion Coef: } 0.300 \\
\text { Entrance Ioss Coef: } 0.000 \\
\text { Exit Loss Coef: } 0.000 \\
\text { Outlet Ctrl Spec: Use dc or tw } \\
\text { Iniet Ctrl Spec: Use dc } \\
\text { Stabilizer Option: None }
\end{array}
$$

$$
\begin{aligned}
& \text { Erom Node: } 8 \mathrm{C} \\
& \text { To Node: } 8 \mathrm{Ci}
\end{aligned}
$$

$$
\begin{array}{r}
\text { Friction Equation: Automatic } \\
\text { Solution Algorithm: Automatic } \\
\text { Elow: Both }
\end{array}
$$

Interconnected Channel and Pond Routing Model (ICPR) ©2002 Streamline Technologies, Inc.
Vista Pond 8
$100 Y_{y} / 24 \mathrm{Hr}$ Conveyance System Routing
Input Report

Expansion Coef: 0.300
Entrance Loss Coef: 0.000
Exit Loss Coes: 0.000
dc
tw
0

[^15]Downstream FHWA Inlet Edge Descripzion:
Circular Concrete: Square edge $\mathrm{w} / \mathrm{headwali}$
*** Weir 1 of 1 for Drop Structure DS8BI ***
Bottom Clip (in): 0.000

## TABLE



Interconnected Channel and Pond Routing Model (ICPR) ©2002 Streamline Technologies, Inc.

| Name | Group | Simulation | Mas Time Stage hrs |  | Warning Stage ft | Max Delta Stage f | $\begin{array}{r} \text { Max } \begin{aligned} \text { Surf } \\ \text { Anea } \\ f=2 \end{aligned} \end{array}$ | $\begin{array}{r} \text { Max Time } \\ \text { Infiow } \\ \text { hrs } \end{array}$ | $\begin{array}{r} \text { Max } \\ \text { Infiow } \\ \text { CEs } \end{array}$ | Nax Time Outflow hrs | $\begin{array}{r} \text { Mas } \\ \text { Outfiow } \\ \text { cfs } \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 83 | BASE | vistapondirte | 8.50 | 109.29 | 111.00 | 0.0028 | 2543 | 8.50 | 4.05 | 8.50 | 4.05 |
| 837 | BASE | Vistapond8rte | 8.59 | 99.86 | 101.50 | -0.0032 | 1612 | 8.58 | 9.47 | 8.59 | 9.47 |
| 80 | BASE | vistapondirte | 7.62 | \$45.81 | 147.40 | 0.0048 | 2122 | 8.50 | 5.45 | 7.62 | 5.97 |
| 8 Cl | BASE | Vistapondirte | 8.62 | 243.22 | 144.10 | 0.0050 | 2220 | 7.62 | 5.97 | 8.61 | 5.43 |
| bncy | BASE | vistapond8rte | 0.00 | 58.00 | 60.00 | 0.0000 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| pond8 | BASE | vistaponderte | 24.00 | 99.11 | 100.00 | 0.0049 | 45720 | 8.55 | 13.64 | 0.00 | 0.00 |


| Name | Group | Simulation | $\begin{array}{r} \text { Max } \begin{array}{r} \text { Time } \\ \text { Elow } \\ \text { hrs } \end{array} \end{array}$ | $\begin{aligned} & \text { Max } \\ & \text { Elow } \\ & \text { cfis } \end{aligned}$ | $\begin{array}{r} \text { Maz } \\ \text { Delta } \\ \text { Cfs } \end{array}$ | Max Time US Stage nrs | $\begin{array}{r} \text { Max } \\ \text { us stage } \\ \text { it } \end{array}$ | Max Time DS Stage hrs | $\begin{array}{r} \text { Max } \\ \text { DS Stage } \\ \text { fi } \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| CH83 | 3.SE | vistapondsrte | 8.50 | 4.05 | -0.086 | 8.50 | 109.29 | 8.50 | 99.77 |
| CH8C | BASE | vistapond8rte | 7.62 | 5.97 | 2.208 | 7.62 | 245.81 | 7.61 | 142.88 |
| DS831 | BASE | Vistaponderte | 8.59 | 9.47 | 0.048 | 8.59 | 99.86 | 24.00 | 99.11 |
| P8C1 | BASE | Vistapondente | 8.61 | 5.43 | -0.259 | 8.62 | 143.22 | 18.69 | 99.55 |

# ICPR Conveyance System Modeling Without Infiltration 

## Buildout Results

Ponds 9 and 10
100-year / 24-Hour Storm
Input Report Node Maximum Conditions Report Link Maximum Conditions Report
Vista pond 9 and pond 10
ion yr $/ 24$ Hi Conveaynce System Routing w/o infiltration Input Report

[^16] $\begin{aligned} \text { Name: } 1032 & \text { Nocie: } 1032 \\ \text { Group: BASE } & \text { Type: SCS Unit Hyarograph CN }\end{aligned}$

Naw Aliowable Q(cfs): 999999.000
Status: Onsit

| ```Name: ioci-A Group: BASE Unit Hycrograph: Un484 Rainfall Eile: Orange Rainfall Amount(in): 10.600 Area(ac): 1.790 Curve Number: 98.00 DCIA(%): 0.00``` | Node: 10C1-A <br> Type: SCS Unit Hydrograph CN <br> Peaking Factor: 484.0 <br> Storm Duration(hrs): 24.00 <br> Time of Conc(min): 10.00 <br> Time Shift(has): 0.00 <br> Status: Onsite <br> Max Allowable Q(cfs): 999999.000 |
| :---: | :---: |
| $\begin{aligned} & \text { Name: IOCI-3 } \\ & \text { Group: BASE } \end{aligned}$ | Node: 10Ci-B Type: SCS unit Hydrograph CN |

Interconnected Channel and Pond Routing Model (ICPR) ©2002 Streamline Technologies, Inc.
Vista Pond 9 and Pond io
loo yr $/ 24$ in conveaynce system Routing w/o infiltration
Input Report

Vista
iol
indut Report Vista Pond 9 and Pond 10
ion $¥ r / 24 \mathrm{Hr}$ Conveaynce

|  | ```Nocie: 9C2 Status: Onsite Type: SCS Unit Hydrograph CN Peaking Eactor: 484.0 Storm Duration(nrs): 24.00 Time of Conc(min): 10.00 Tame ShiEt(hrs): 0.00 Max Allowable Q(cfs): 999999.000``` |
| :---: | :---: |
| $\begin{array}{r} \text { Name: 9D1-A } \\ \text { Group: BASE } \\ \text { Unit Hydrograph: Un484 } \\ \text { Rainfall Eile: Orange } \\ \text { Rainfall Amount }\{\text { in): } 10.600 \\ \text { Area (ac): } 1.860 \\ \text { Curve Number: } 98.00 \\ \text { DCIA (s): } 0.00 \end{array}$ | ```Nocie: 901-A Status: Onsite Type: SCS Unit Hydrograph CN Peaking Factor: 484.0 Storm Duration(hrs): 24.00 Time of Conc(min): i0.00 Time Shift(hrs): 0.00 Max Allowable Q{Cfs): 999999.000``` |
| $\begin{array}{r} \text { Name: 9Di-B } \\ \text { Group: BASE } \\ \text { Unit Hyarograph: 3n484 } \\ \text { Ranfall File: Ocange } \\ \text { Rainfali Amount (in): } 10.600 \\ \text { Area(ac): } 1.490 \\ \text { Curve Numper: } 98.00 \\ \text { DCIA\{多\}: } 0.00 \end{array}$ | Node: 9D1-3 <br> Type: SCS unit Hyarograph CN <br> Peaking Eactor: 484.0 <br> Storm Duxation(hrs): 24.00 <br> Time of Conc (min): 20.00 <br> Time Snift (hrs): 0.00 <br> Status: Onsite <br> May Aliowable Q(cきs): 999999.000 |

Base Fiow (cfs): 0.000 Init Stage(Ft): 99.500

Stage(ft) Area(ac)
Name: $10 B$
Group: BASE
Type: Stage
Group: sape: Stage/Area
Interconnected Channel and Pond Routing Model (ICPR) ©2002 Streamline Technologies, Inc.
Vista Pond 9 and Pond 10
ioo Yr / 24 it Conveaynce System Routing w/o infiltration input Report

| Stage:ft) |  |  |
| :---: | :---: | :---: |
| ```Name: 10BLA Group: BASE Type: Stage/Area``` | Base Elow(cfs): 0.000 | $\begin{aligned} & \text { Init Stage(ft): } 93.000 \\ & \text { warn Stage(ft): } 95.000 \end{aligned}$ |
| Stage(ft) Area (ac) |  |  |
| ```Name: 10B2 Group: BASE Type: Stage/Area``` | Base Elow (cfs): 0.000 | $\begin{aligned} & \text { Init Stage (ft): } 100.000 \\ & \text { Warn Stage (ft): } 102.000 \end{aligned}$ |
| Stage (ft) Area ${ }^{\text {ac }}$ ) |  |  |
| Name: 100 <br> Group: BASE <br> Type: Staçe/Area | Sase Flow (cis): 0.000 | $\begin{aligned} & \text { Indt Stage (ft): } 143.300 \\ & \text { Warn Stage(ft): } 145.300 \end{aligned}$ |
| Stage (劫) Area (ac) |  |  |
| ```Name: 10C1-A. Group: BASE Type: Stage/Area``` | Base Elow(Cfs): 0.000 | Mnit Stace(Et): 246.200 |
| Stage(ft) Areafac) |  |  |
| $\begin{aligned} & \text { Name: } 10 C 1-B \\ & \text { Group: BASE } \\ & \text { Type: Stage/Area } \end{aligned}$ | Base Elowicts): 0.000 | $\begin{aligned} & \text { Init Stage(ft): } 147.700 \\ & \text { Warn Stage(ft): } 149.700 \end{aligned}$ |
| Stage(ft) Arealac) |  |  |
| $\begin{aligned} & \text { Name: } 9 B \\ & \text { Group: BASE } \\ & \text { Type: Stage/Area } \end{aligned}$ | Base Elow(cfs) : 0.000 | $\begin{aligned} & \text { Init Stage(ft): } 100.000 \\ & \text { Farn Stage(ft): } 102.000 \end{aligned}$ |

Vista pond 9 and Pond 10
ion yn $/ 24$ ha Conveaynce System Routing w/o infiltration
Input Report

| Area(ac) |  |  |
| :---: | :---: | :---: |
| ```Name: 9B1 Group: BASE Type: Stage/Frea``` | Base rlow $(\mathrm{css}): 0.000$ | ```Indt Stage(ft): 99.000 Warn Stage(ft): 101.000``` |
| Stage (Et) Area (ac) |  |  |
| ```Name: 9BiA Eroup: BFSE Type: Stage/Area``` | Base Flow (cfs): 0.000 | Init Stage(さt): 89.000 <br> Marr Stage(ft): 92.000 |
| Stage(ft) Area(ac) |  |  |
| Name: 9B2A <br> Group: BASE <br> Type: Stage/Area | 3ase Flowicfsi: 0.000 | $\begin{aligned} & \text { Init Stage (ft): } 87.000 \\ & \text { Warn Stage }(f t): 89.000 \end{aligned}$ |
| Stage (ft) Area (ac) |  |  |
| Name: 9C <br> Group: BASE <br> Type: Stage/Area | Base Flow(cfs): 0.000 | Init Stage(ft): 115.000 Warn Stage(ft): 117.000 |
| Stage \{ft) Area ${ }^{\text {ac }}$ ) |  |  |
| Name: 9Cl <br> Group: BASE <br> Type: Stage/Area | Base Elowicss): 0.000 | $\begin{aligned} & \text { Init Stage(ft): } 118.100 \\ & \text { Warn Stage\{ft): } 120.100 \end{aligned}$ |
| Stage (ft) |  |  |
| Name: 9C2 <br> Group: BASE <br> Type: Stage/Area | Base Elow (cfs) : 0.000 | Init Stage (ft): 118.100 <br> Warn Stage(ft): 120.100 |

Vista pond 9 and Pond 10
100 yr $/ 24$ Hy Conveaynce System Routing w/o infilitration
input Report




Upstream Fiwh Inlet Ecige Description:
Cincuiar Concrete: Scuare eage w/ headwall
Downstream EHWR Iniet Eage Description:
Downstream EHWA Indet Eage Description:
Circular Concrete: Square edge w/ headwall

| Name: P9Cl | Erom Nod |
| :---: | :---: |

$$
\begin{array}{r}
\text { Name: P9C1 } \\
\text { Group: BASE }
\end{array}
$$

DONNSTREAM
Circuiar
18.00
100.000
sTREAM
ccular
ircular
8.00
8.00
125.000

Geometry:
Span (in):
Rise(in): Elow: Both
Entrance Loss Coef: 0.00
Enit Loss Coef: 1.00
Bend Loss Coef: 0.00

Interconnected Channel and Pond Routing Model (ICPR) ©2002 Streamline Technologies, Inc.
Vista Pond 9 and Pond 10
ino Yr $/ 24 \mathrm{Hr}$ Conveaynce System Routing w/o infiltation
Input Report

Vista Pond 9 and Pond io
100 Yr $/ 24$ fir Conveaynce System Routing w/o inEilutation 100 Yr / 24
Input Report

| RtScSlp(h/v): 3.00 | 3.00 |  |
| :---: | :---: | :---: |
| $\begin{aligned} & \text { Name: CEIOB2 } \\ & \text { Group: BASE } \end{aligned}$ | From Node: 10B2 <br> To Nocie: 10B | Length(ft): 230.00 Count: 1 |
| UESTREAM <br> Geometry: Trapezoidal <br> Invert(ft): 100.000 | DOWNSTREAM Trapezoidal 99.500 | Friction Equation: Automatic Solution Algorithm: Automatic Elow: Both |
| TClpInitz(ft) : 9999.000 | 9999.000 | Contraction Coef: 0.100 |
| Vanning's N: 0.024000 | 0.024000 | Expansion Coef: 0.300 |
| Top Clip(ft): 0.000 | 0.000 | Entrance Loss Coef: 0.000 |
| Bot Clip $(\mathrm{ft}): 0.000$ | 0.000 | Exit Loss Coeft: 0.000 |
| vain xsec: |  | Outlet Ctri Spec: Use dic or tw |
| AunElevif(t): |  | Injet ctri Spec: Use dic |
| Aus XSecl: |  | Stabilizer Option: None |
| AuxElev2 (ft) : |  | Stabluzer Option. None |
| Aux XSec2: |  |  |
| Top wiath(f0): |  |  |
| Depth(ft): |  |  |
| Bot \%ichth(ft) : 4.000 | 4.000 |  |
| LtSciSip $(\mathrm{h} / \mathrm{v})=3.00$ | 3.00 |  |
| REScSip(h/v): 3.00 | 3.00 |  |
| Name: CH10CA | From Nocie: 10CI-A | Length(ft) : 290.00 |
| Group: BäSE | To Nocie: 10 C | Count: 2 |
| UPSTREAN | DOWNSTREAM | Eriction Equation: Automatic |
| Geometry: Trapezoicial | Trapezoidai | Solution Aigorithm: Automatic |
| Invert(ft) : 146.200 | 143.300 | Elow: Both |
| TCiplnitz (EL): 9999.000 | 9999.000 | Contraction Coef: 0.100 |
| Manning's N: 0.024000 | 0.024000 | Expansion Coef: 0.300 |
| Top Clip (ft) : 0.000 | 0.000 | Entrance Loss Coef: 0.000 |
| Bot Clip(ft): 0.000 | 0.000 | Exit Loss Coef: 0.000 |
| Main Xsec: |  | Outiet ctri Spec: Use dc or tw |
| AuxElevi(ft): |  | Inlet ctri Spec: Use do |
| Aux XSeci: |  | Stabilizer Option: None |
| AuxElev2 $(f t)$ : |  |  |
| Aux $\times$ Sec 2: |  |  |
| Top Width (ft) : |  |  |
| Depth(ft): |  |  |
| Bot wicth (ft): 0.000 | 0.000 |  |
| $\begin{aligned} & \text { LeScSlp }(h / v): 3.00 \\ & \text { RtScislo }(h / v): 25.00 \end{aligned}$ | $\begin{aligned} & 3.00 \\ & 25.00 \end{aligned}$ |  |
| Name: CH10CB | From Noce: 10C1-B | Length(Et) : 450.00 |
| Group: BASE | To Nocie: 100 | Count : 1 |
| UPSTREAM | DOWNSTREAM | Friction Equation: Automatic |
| Geometry: Trapezoidal | Trapezoidal | Solution Algorsithm: Automatic |
| Invert(Et): 147.700 | 143.300 | Elow: Both |
| TClpInitz(ft) : 9999.000 | 9999.000 | Contraction Coef: 0.100 |


Vista Pond 9 and Rond 10
100 yr $/ 24 \mathrm{Hr}$ Conveaynce System Routing w／o infiltration
Input Report

| RtScslp（h／v）： 5.00 | 5.00 |  |
| :---: | :---: | :---: |
| Name： CH 9 C 2 <br> Group：BASE | Erom Nocie： 9 c 2 <br> To Nocie：9C2A． | $\text { Length(ft): } 310.00$ $\text { Count: } 2$ |
| UPSTREAM <br> Geometry：Trapezoicial Invert（f゙て）：118．100 | DOWNSTREAM Trapezoidal 115.000 | Friction Equation：Automatic Solution Algorithm：Automatic Elow：Both |
| TClpInttz（ft）：9999．000 | 9999.000 | Contraction Coef： 0.100 |
| Manning＇s N： 0.029000 | 0.024000 | Expansion Coef： 0.300 |
| Top Clip $\{\mathrm{ft}\}$ ： 0.000 | 0.000 | Entrance Loss Coef： 0.000 |
| Bot Clip（ft）： 0.000 | 0.000 | Exit Loss Coef： 0.000 |
| Main XSec： |  | Outiet Ctrl Spec：Use dc or tw |
| AuxElevi（ft）： |  | Inlet Ctrl Spec：Use dc |
| Aux XSeci： |  | Stabilizer Option：None |
| AusElev2（f\％）： |  |  |
| Aux XSec2： |  |  |
| Top Widith（ft）： |  |  |
| Bot Depth（ft）： 2.000 | 2.000 |  |
| LtSuSlp（h／v）： 3.00 | 3.00 |  |
| REScSlp（h／v）： 5.00 | 5.00 |  |
| Name：CH9DI－A． | From Node：9D1－A | zength（ft）： 285.00 |
| Group：BASE | To Node：90 | Count： 1 |
| UPSTREAM | DOMNSTRERM | Friction Equation：Automatic |
| Geometry：Trapezoiciai | Trapezoical | Solution Algorithm：Automatic |
| Invert（Et）：146．200 | 143.400 | Flow：Both |
| TClpinit2（ft）： 9999.000 | 9999.000 | Contraction Coef： 0.100 |
| Maning＇s N： 0.024000 | 0.024000 | Expansion Coef： 0.300 |
| Top Clipift）： 0.000 | 0.000 | Entrance Loss Coef： 0.000 |
| Bot Clip（tt）： 0.000 | 0.000 | Exit Loss Coef： 0.000 |
| Main XSec： |  | Outlet Ctrl Spec：Use dic or tw |
| AukElevi（ft）： |  | Inlet Ctrl Spec：Use dc |
| Au：$\times$ Sec ： |  | Stabilizer Option：None |
| AuxELev2（fち）： |  |  |
| Rux XSec2： |  |  |
| Top \＃isith（fこ）： |  |  |
| Depth（ft）： |  |  |
| Bot width（ft）： 0.000 | 0.000 |  |
| $\operatorname{LtScSlp}(\mathrm{h} / \mathrm{v}): 3.00$ | 3.00 |  |
| ReSaSlp $(\mathrm{h} / \mathrm{v}): 25.00$ | 25.00 |  |
| Name：CH9D1－3 |  | Length（ft）： 215.00 |
| Group：BASE | To Nocie：9D | Count： 1 |
| UPSTREAM | DOWNSTREAV | Eriction Equation：Automatic |
| Geometry：Trapezoidal | Trapezoidal | Solution Algorithm：Automatic |
| Invert（fと）： 145.400 | 143.400 | Elow：Both |
| TCipInitz（ft）：9999．000 | 9999．000 | Contraction Coef： 0.100 |


vista Pond 9 and Pond 10
ion yr $/ 24$ yr Conveaynce System Routing w/o infilleration
Input Report


## Interconnected Channel and Pond Routing Model (ICPR) ©2002 Streamline Technologies, Inc.

Vista pond 9 and pond 10
100 yr $/ 24 \mathrm{Hr}$ Conveaynce System Routing w/o infiltration
Input Report








இी





8
5ibly
ज98999898988998989898

刃凡心以



| 103 | BASE vistapondiorte |
| :---: | :---: |
| 1081 | BASE vistapondiorte |
| 10 BLA | BASE vistapondiorte |
| 3082 | BASE vistapondiorte |
| 10 C | BASE vistapondiorte |
| 10Ci－A | BRSE vistapondiorte |
| 10C1－B | BASE vistapondiorte |
| 98 | BASE vistapondionte |
| 982 | BASE vistapondiorte |
| 9B1A | BASE vistapondiorte |
| 982A | BASE vistapondiorte |
| 9C | BASE vistapondlorte |
| 9 CL | BaSE vistapondiorte |
| 902 | BiSt vistapondiorte |
| 9C2A | BASE vistapondiorte |
| 9 D | BASE vistapondiorte |
| 9D1－A | BASE vistapondiorte |
| 901－3 | EASE vistapondiorte |
| bncy | BASE vistapondiorte |
| poncio | BRSE vistapondiorte |
| pondig | BASE vistzpondiorte |


| Name | Group | Simulation | $\begin{gathered} \text { Max Time } \\ \text { Elow } \\ \text { hrs } \end{gathered}$ | $\begin{aligned} & \text { Max } \\ & \text { Elow } \\ & \text { cfs } \end{aligned}$ | $\begin{array}{r} \text { Max } \\ \text { Deita } \\ \text { cfs } \end{array}$ | Max Time US Stage hus | $\begin{array}{r} \text { Vax } \\ \text { us Stage } \\ \end{array}$ | Ma: Time DS Stage hrs | $\begin{array}{r} \text { Max } \\ \text { DS Stage } \\ \text { ft } \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| CH10B | 3.SE | vistapondiorte | 8.50 | 2.68 | -0.012 | 8.50 | 99.23 | 8.49 | 93.20 |
| CH1O32 | BASE | vistapondiorte | 8.50 | 2.22 | -0.009 | 8.38 | 100.34 | 9.00 | 99.92 |
| Chioca | BASE | \#istapondiorte | 8.51 | 3.93 | 1.101 | 8.59 | 2.46 .55 | 9.01 | 144.65 |
| CHIOCs | BASE | Vistapondiorte | 8.50 | 6.05 | 2.753 | 8.50 | 148.11 | 6.78 | 144.03 |
| CH98 | BASE | Vistapondiorte | 8.50 | 3.74 | -0.007 | 8.50 | 99.17 | 8.49 | -89.13 |
| CH9CL | BASE | vistapondiorte | 8.22 | 1.75 | 0.666 | 8.22 | 118.35 | 8.22 | 115.38 |
| CH9C2 | SASE | vistapondiorte | 7.83 | 2.88 | -1.154 | 8.50 | 118.46 | 8.55 | 115.51 |
| CH9D2-A. | BASE | vistapondiorte | 7.38 | 4.13 | 1.517 | 7.38 | 146.55 | 9.00 | 144.48 |
| CH9D2-B | BASE | vistapondiorte | 8.50 | 3.27 | -0.014 | 8.54 | 145.74 | 9.00 | 144.48 |
| Cs9 | base | vistapondiorte | 9.01 | 18.41 | 0.069 | 24.00 | 88.15 | 24.00 | 88.15 |
| DSIOB | BASE | vistapondiorte | 9.00 | 12.06 | -0.032 | 9.00 | 99.92 | 24.00 | 88.15 |
| DSIOES | BASE | vistapondlorte | 8.51 | 2.68 | -0.011 | 8.52 | 93.25 | 24.00 | 88.15 |
| DS981A | BASE | vistapondiorte | 8.27 | 2.91 | 0.010 | 8.27 | 89.16 | 24.00 | 88.15 |
| DS932A | BASE | Vistapondiorte | 8.63 | 14.89 | -2.185 | 23.97 | 88.16 | 24.00 | 88.15 |
| p10C | BASE | Vistapondiorte | 9.01 | 9.87 | 0.504 | 9.01 | 144.65 | 17.08 | 99.56 |
| P98 | BASE | vistapordiorte | 8.75 | 9.50 | 0.628 | 9.01 | 101.28 | 23.98 | 88.16 |
| 390 | base | vistaponciorte | 8.54 | 2.22 | 0.326 | 8.55 | 115.51 | 8.54 | 200.29 |
| P9C1 | BASE | vistapondiorte | 8.25 | $\pm .20$ | 0.085 | 8.25 | 115.42 | 8.25 | 100.27 |
| P90 | Base | vistapondiorte | 9.00 | 7.30 | 0.461 | 9.00 | 144.48 | 9.00 | 100.33 |

# ICPR Conveyance System Modeling Without Infiltration 

## Buildout Results

Pond 11<br>100-year / 24-Hour Storm

Input Report
Node Maximum Conditions Report
Link Maximum Conditions Report
Vista Pond 11
io Year / 24 Hr Conveyance System Modeling w/o infiltration
Input Report
Input Report Hr Conveyance System Modeling w/o infiltration

Name: 21A
Group: BASE
Node: pondil Status: Onsite
Type: SCS Unit Hydrograph CN
Peaking Factor: 484.0
Storm Durationihrs): 24.00
Time of Conc(min) : 10.00
Time Shift(hrs): 0.00
Max Allowable $Q(c f s): 999999.000$
Nax Allowable Q(čs): g99999.000


| Name: 1181 | Noce: i131 Status: Onsite |
| :---: | :---: |
| Group: BASE | Type: SCS Unit Hydrograph CN |
| Unit Eycirograph: Un484 | Peaking Factor: 484.0 |
| Rainfall Eile: Orange | Storm Duration(hrs) : 24.00 |
| Rainfall Pmount (in) : 10.500 | Time of Conc(min) : 10.00 |
| Area (ac) : 2.100 | Mime Shift (hrs): 0.00 |
| Curve Number: 98.00 | Max Aliowable Q(cfs) : 999999.000 |
| DCIA (8): 0.00 |  |




| Nome: 11C1 Group: BASE Unit Hydrograph: Un484 Rainfall File: Orange Rainfall Amount(in): 10.600 Area(ac): 1.350 Curve Number: 98.00 DCLA $(\$): 0.00$ | ```Node: 11C2 Type: SCS unit Eydrograph CN Peaking Factor: 484.0 Storm Duration(hrs): 24.00 Time of Conc(min): 10.00 Time Shift(ins): 0.00 Status: Onsite Max Allowable Q{cis): 999999.000``` |
| :---: | :---: |
| $\begin{array}{r} \text { Name: } 11 C 2 \\ \text { Group: BASE } \end{array}$ | Node: I1C2 <br> Type: SCS unit Hydrograph CN <br> Status: Onsite |

Interconnected Channel and Pond Routing Model (ICPR) ©2002 Streamline Technologies, Inc.

[^17]
Vista Pond 11 Hr Conveyance System Modeling w/o infintration
Io year, 24 Hr
Input Report

Vista Pond 12
Io0 Year $/ 24 \mathrm{Hr}$ Conveyance System Vodeling w/o infiltration
Input Report

Vista Pond 11
ioc Year $/ 24 \mathrm{Hr}$ Conveyance System Modeling w/o infiltration
Input Report
Stage(ft) Area\{ac)

Upstream FHWA Inlet Edge Description:
Circuaat Concrete: Square ecige w/ headwall
Downstream EHWA Inlet Edige Description:
Circuiar Concrete: Square edge w/ headwall

Upstream EHWA Inlet Edge Description:
Circlidar Concrete: Square edge w/ heacwail
Interconnected Channel and Pond Routing Model (ICPR) ©2002 Streamline Technologies, Inc.

[^18]Vista Pond 21
100 Year $/ 24$ Hr Conveyance System Modeling w/o infiltration
imput Report

[^19]| Name: P11C2A | From Node: 11C2A | Length(ft) : 40.00 |
| :---: | :---: | :---: |
| Group: BASE | To Nocie: 110 | Count: 1 |
|  |  | Exiction Equation: Automatic |
| UPSTREAM | DOWNSTREAM | Solution Algorithm: Most Restrictive |
| Geometry: Circular | Circular | Fiow: Both |
| Span(in): 18.00 | 18.00 | Entrance Loss Coef: 0.00 |
| Rise (in): 18.00 | 18.00 | Exit Loss Coef: 2.00 |
| Invert(ft) : 120.000 | 105.000 | Bend Loss Coef: 0.00 |
| Manning's N: 0.013000 | 0.013000 | Outlet Ctrl Spec: Use cic or tw |
| Top Clip(in) : 0.000 | 0.000 | Inlet Ctrl Spec: Use dc |
| 3ot Clip(in) : 0.000 | 0.000 | Stabilizer Option: None |

Upstream EHWA Inlet Edge Description:
Circuiar Concrete: Square edge w/ headwall
Downstream FHWA Inlet Edige Description:
Circuiar Concrete: Square edge $\mathrm{w} / \mathrm{headwall}$




Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall
Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge i/ headwall

Stacilizer Option: None

$\begin{array}{cc}\text { From Node: } 313 \mathrm{~B} & \text { Length(ft): } 620.00 \\ \text { To Nocie: } 11 B & \text { Count: } 1\end{array}$
Interconnected Channel and Pond Routing Model (ICPR) ©2002 Streamline Technologies, Inc.
Vista Pond 11
loo Year / 24 Hr Conveyance System Modeling w/o insiitration
Input Report


## Interconnected Channel and Pond Routing Model (ICPR) ©2002 Streamline Technologies, Inc.

Vista pond 11
100 year $/ 24 \mathrm{Hr}$ Conveyance System Mocieling w/o infiltration
Input Report

| ```Aux XSec2: \\ Top Width(ft): \\ Depth(ft): \\ Bot width(ft): 2.000 \\ LtScSlp(h/v): 3.00 \\ RtSaSlp(h/v): 5.00``` | $\begin{aligned} & 2.000 \\ & 3.00 \\ & 5.00 \end{aligned}$ |  |
| :---: | :---: | :---: |
| $\begin{aligned} & \text { Name: CH11C2 } \\ & \text { Group: BASE } \end{aligned}$ | From Node: $11 \mathrm{C2}$ Fo Node: 11 C 2 A | Length(ft): 640.00 Count: 1 |
| UPSTREAV <br> Geometry: Trapezoidal <br> Invert(ft): 125.200 | DOWNSTREAM Trapezoidal 120.000 | Friction Equation: Automatic Solution Algorithm: Automatic Flow: Both |
| TClpInitz(ft): 9999.000 | 9999.000 | Contraction Coef: 0.100 |
| Manning's N: 0.024000 | 0.024000 | Expansion Coef: 0.300 |
| Top Clip(ft) : 0.000 | 0.000 | Entrance Loss Coef: 0.000 |
| Bot Clip(ft): 0.000 | 0.000 | Exit Loss Coef: 0.000 |
| Main XSec: |  | Outlet ctul Spec: Use ic or tw |
| Auxelev1 (ft) : |  | Inlet Ctrl Spec: Use dc |
| Aux XSecl: |  | Stabilizer Option: None |
| AuxElev2 Aux Stec $2:$ |  |  |
| Top Aux XSec2: |  |  |
| rop $\begin{aligned} & \text { Nidth } \\ & \text { Depth }(\mathrm{ft}):\end{aligned}$ |  |  |
| Bot Width(ft) : 2.000 | 2.000 |  |
| LtSdSip(h/v): 3.00 | 3.00 |  |
| ReSdSlp(h/v) : 5.00 | 5.00 |  |
| Name: Childi-A | From Node: 11D1-A | Length(ft) : 425.00 |
| Group: BASE | To Node: 11D | Count: i |
| UPSTREAM | DOWNSTREAM | Friction Equation: Alutomatic |
| Geometry: Trapezoidal | Trapezoidal | Solution Aigorithm: Automatic |
| Invert(ft): 147.200 | 143.300 | Flow: Both |
| TCipInitz(ft): 9999.000 | 9999.000 | Contraction Coet: 0.100 |
| Nanaing's N: 0.024000 | 0.024000 | Expansion Coef: 0.300 |
| Top Clip $(\mathrm{ft}): 0.000$ | 0.000 | Entrance Loss Coef: 0.000 |
| 3ot Clip(ft): 0.000 | 0.000 | Exit Loss Coeit: 0.000 |
| Main XSec: |  | Outlet Ctri Spec: Use dic or tw |
| AuxElevi (ft): |  | Inlet Crri Spec: Use dc |
| Aux XSecl: |  | Stabilizer Option: None |
| AuxEiev2 (ft) : |  |  |
| Pux XSec2: |  |  |
| Top width(ft): |  |  |
| Bot Depth(ft): |  |  |
| Bot Width(ft) : 0.000 | 0.000 |  |
| LtSdSlp(h/v): 3.00 | 3.00 |  |
| RtSdSlp(h/v) : 25.00 | 25.00 |  |
| Name: CHIIDI-3 | Exom Node: 1101-3 | Length(ft) : 450.00 |

Interconnected Channel and Pond Routing Model (ICPR) ©2002 Streamline Technologies, Inc.
Vista Pond 12
100 Year $/ 24$ Hr Conveyance System Mocieling w/o infiltration
Input Report

Vista Pond il
100 vear / 24 Hr Conveyance System Modeling $w / 0$ infiltration
Input Report

IOO Year / 24 Hr Conveyance System Nodeling w/o infiltration

| Name | Group | Simulation | $\begin{array}{r} \text { Max Time } \\ \text { Stage } \\ \text { hrs } \end{array}$ | $\begin{array}{r} \text { Vax } \\ \text { Stage } \\ \text { ft } \end{array}$ | Warning Stage ft | $\begin{array}{r} \text { Max Delta } \\ \text { Stage } \\ \text { Et } \end{array}$ |  | Surf Area ft2 | $\begin{gathered} \text { Max Time } \\ \text { Inslow } \\ \text { nes } \end{gathered}$ | Inflow cfis | Max Time Outsion hrs | $\begin{array}{r} \text { Max } \\ \text { Outfion } \\ \text { Cfs } \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 113 | BPASE | vistaponciirte | 8.65 | 92.69 | 93.00 | 0.0142 |  | 1992 | 8.65 | 25.11 | 8.65 | 25.11 |
| 2131 | BASE | vistapondilute | 8.50 | 100.32 | 102.00 | -0.0021 |  | 1942 | 8.50 | 4.62 | 8.50 | 4.62 |
| 1183 | BPSE | vistaponcilixte | 8.50 | 91.29 | 93.00 | -0.0022 |  | 1078 | 8.50 | 2.79 | 8.50 | 2.79 |
| 1134 | BASE | vistaponcilirte | 24.00 | 90.19 | 90.00 | 0.0032 |  | 2472 | 8.50 | 2.79 | 8.51 | 2.79 |
| 11 C | BASE | Vistaponcilirte | 8.67 | 106.05 | 108.00 | -0.0290 |  | 350 | 8.66 | 20.52 | 8.67 | 20.52 |
| 11 Cl | BASE | vistapondilrte | 7.75 | 124.68 | 126.30 | -0.0045 |  | 1181 | 8.50 | 2.97 | 7.75 | 3.89 |
| ilcip | B.SE | vistapondilite | 8.55 | 120.65 | 122.00 | 0.0049 |  | 1143 | 7.75 | 3.89 | 8.53 | 2.97 |
| 11 C 2 | BASE | vistapondilrte | 8.51 | 125.74 | 127.20 | -0.0046 |  | 2408 | 8.50 | 4.77 | 8.51 | 4.77 |
| 11C2A | BASE | vistapondilete | 8.72 | 120.97 | 122.00 | 0.0033 |  | 2981 | 8.51 | 4.77 | 8.70 | 4.74 |
| 11D | BASE | vistapondilrte | 8.67 | 144.64 | 145.30 | -0.0042 |  | 5697 | 8.50 | 12.91 | 8.66 | 12.83 |
| 21DI-A. | BASE | Vistaponcilrte | 7.39 | 147.63 | 149.20 | 0.0047 |  | 2740 | 8.50 | 6.84 | 7.39 | 6.90 |
| 11DI-3 | BASE | vistapondilute | 8.50 | 148.11 | 149.70 | -0.0046 |  | 2749 | 8.50 | 6.07 | 8.50 | 6.07 |
| bndy | BASE | vistapondilrte | 0.00 | 58.00 | 60.00 | 0.0000 |  | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| pondil | BASE | vistapondilete | 24.00 | 90.19 | 91.00 | 0.0046 |  | $88: 80$ | 8.61 | 34.74 | 0.00 | 0.00 |

100 Year / 24 Hr Conveyance System Modeling w/o infiltration

| Name | Group | Simulation |  | $\begin{aligned} & \text { Time } \\ & \text { Elow } \\ & \text { hrs } \end{aligned}$ | $\begin{gathered} \mathrm{Max} \\ =10 \mathrm{w} \\ \mathrm{Cfs} \end{gathered}$ | $\begin{array}{r} \text { Maz } \\ \text { Deita } \\ \text { cís } \end{array}$ | Max Time US Stage nus | US | $\begin{array}{r} \text { Nax } \\ \text { stage } \\ f t \end{array}$ | Max enime DS Stage hrs | DS | $\begin{array}{r} \text { Mas: } \\ \text { Stage } \\ \text { It } \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| CH118: | BASE | vistapondilute |  | 8.50 | 4.62 | -0.284 | 8.50 |  | 100.32 | 9.50 |  | 91.31 |
| CH1183 | BASE | vistapondilute |  | 8.50 | 2.79 | 0.017 | 8.50 |  | 91.29 | 24.00 |  | 90.19 |
| Chilci | BASE | vistapond11rte |  | 7.75 | 3.89 | 1.501 | 7.75 |  | 124.68 | 9.30 |  | 120.51 |
| CH11C2 | BASE. | vistapondilrte |  | 8.51 | 4.77 | -1.807 | 8.51 |  | 125.74 | 8.72 |  | 120.97 |
| CHILDI-A | BASE | vistapondilrte |  | 7.39 | 6.90 | 2.534 | 7.39 |  | 147.53 | 7.38 |  | 144.18 |
| CHILDI-3 | BASE | vistapondilrte |  | 8.50 | 6.07 | 1.778 | 8.50 |  | 148.11 | 6.89 |  | 144.03 |
| DS118 | BASE | vistapondilrte |  | 8.65 | 25.12 | 0.113 | 8.65 |  | 91.69 | 24.00 |  | 90.19 |
| DS2184 | BASE | vistapondilirte |  | 8.51 | 2.79 | -0.016 | 24.00 |  | 90.19 | 24.00 |  | 90.19 |
| P11C | BASE | vistapondilrte |  | 8.67 | 20.52 | 19.746 | 8.67 |  | 106.05 | 0.01 |  | 91.19 |
| Pilcia | BASE | vistapondilirte |  | 8.53 | 2.97 | -0.328 | 8.55 |  | 220.65 | 0.00 |  | 106.00 |
| P11C2A | BMSE | vistapondilrte |  | 8.70 | 4.74 | 0.324 | 8.72 |  | 120.97 | 0.00 |  | 108.00 |
| P110 | BASE | vistapondilrte |  | 8.66 | 12.83 | 0.850 | 8.67 |  | 154.64 | 0.00 |  | 106.00 |

# ICPR Conveyance System Modeling Without Infiltration 

## Buildout Results

Pond 12<br>100-year / 24-Hour Storm

Input Report
Node Maximum Conditions Report Link Maximum Conditions Report
Vista Pond 12
$100 \mathrm{Yr} / 24 \mathrm{Hr}$ Conveyance System Routing w/o infiltxation
Input Report

Status: Onsi亡e
Node: pond12
Type: SCS Unit Hydrograph CN
Peaking Factor: 484.0
Storm Duration(hrs): 24.00
10.00

vax Aliowable Q(cfs): 999999.000
,

> Max Aliovabio (hrs) 0.00

- 

| Name: 12B1 Group: BASE Unit Hyarograph: Un484 RainEaj Eile: Orange Rainfali Amount(in): 10.600 Area(ac): 0.970 Cunve Number: 98.00 DCIA $(\%): 0.00$ | ```Ncde: 12B1 Status: Onsite Type: SCS Unit Hydrograph CN Peaking Factor: 484.0 Storm Duration(hrs): 24.00 Time of Conc(min): 10.00 Time Shift(hrs): 0.00 Max Allowabie Q(CIs): 999999.000``` |
| :---: | :---: |
| Name: 12B2 <br> Group: BASE | Node: 12A Status: Onsite <br> Type: SCS Unit Hydrograph ©N |
| Unit Hycrograph: Uh484  <br> Rainfall File: Orange <br> Rainfali Amountin) 10.600 <br> Area (ac) $:$ 2.320 <br> Curve Number $:$ 98.00 <br> DCiA $(8):$ 0.00 | ```Peaking Factor: 484.0 Storm Duration(hrs): 24.00 Time of Conc(min): 10.00 Time Snift(hrs): 0.00 Max Ailowable Q(cfs): 999999.000``` |


| Name: 1283 | Nocie: 22B3 Status: Onsite |
| :---: | :---: |
| Group: BASE | Type: SCS Unit Hydrograph CN |
| Unit Hydrograph: Un484 | Peaking Factor: 484.0 |
| Rainfall Eile: Orange | Storm Duration(nrs): 24.00 |
| Rainfali Amount (in): 10.600 | Time of Conc(min): 10.00 |
| Area (ac): 0.800 | Time Shift (ins) : 0.00 |
| Curve Number: 98.00 | Max Allowable Q\{C\{s $: 999999.000$ |
| DCIA $(8): 0.00$ |  |

Interconnected Channel and Pond Routing Model (ICPR) ©2002 Streamline Technologies, Inc.
$100 \mathrm{Yr} / 24 \mathrm{in}$ Conveyance System Routing w/o infiltration
Input Report

Vista Pond 12
$100 \mathrm{Yr} / 24 \mathrm{Hr}$ Conveyance System Routing w/o infiltration
Input Report

| Name: 12C5 Group: BASE Unit Hydrograph: Uh484 Rainfall File: Orange Rainfall Amount (in) $: 10.600$ Area $(\mathrm{ac}): 0.620$ Curve Number: DCiA $(\%): 0.00$ | ```Noce: 12C5 Status: Onsite Type: SCS Unit Hydrograph CN Peaking Eactor: 484.0 Storm Duration(hrs): 24.00 Time of Conc(min): 10.00 Time Shitt(hrs): 0.00 Max Allowable Q(cfs): 999999.000``` |
| :---: | :---: |
|  | ```Node: 12D1A Type: SCS Unit Hycirograph CN Peaking Factor: 484.0 Storm Duration(hrs): 24.00 Time of Conc(min): }10.0 Time Shift(hrs): 0.00 Status: Onsite Max Aliowable Q(Cfs): 999999.000``` |
| Name: 12D1B Group: BASE Unit Hydrograph: Un484 Rainfali File: Orange Rainfali Amount (in): 10.600 Area(ac) : 0.910 Curve Number: DCIA $(8): 0.00$ | ```Noce: 12D13 Type: SCS unit Hydzograph CN Peaking Factor: 484.0 Storm Duration(hrs): 24.00 Time of Conc(min): 10.00 Time Shift(hrs): 0.00 Status: Onsite Max Allowable Q(Cfs): 999999.000``` |
| ```Name: 22D2 Group: BASE Unit Hydrograph: un484 Rainfall File: Orange Raintall Amount(in): 10.600 Area(ac): 0.510 Curve Number: 98.00 DCIA(%): 0.00``` | Node: 12D2 <br> Type: SCS Unit Hycrograph CN <br> Peaking Factor: 484.0 <br> Storm Duration(hrs): 24.00 <br> Time of Conc(min): 10.00 <br> Time Snift (hrs): 0.00 <br> Status: Onsite <br> Mar Allowable Q(cfs): 999999.000 |
| Name: 12D3 <br> Group: BASE | Node: 12D3A Type: SCS Unit Hydrograph CN |

Conveyance System Routing w/o infiltration
Ioo Xr / 24 Hr Conveyance System Routing w/o infiltration
Input Report


[^20]
Vista Pond 12
Io yr $/ 24$ ir Conveyance System Routing w/o infiltration
Input Report

Interconnected Channel and Pond Routing Model (ICPR) ©2002 Streamline Technologies, Inc.
Vista Pord 12
$100 \mathrm{vr} / 24 \mathrm{Hr}$ Conveyance System Routing w/o infiltration
Input Report

Vista pond 12
ion Yr $/ 24$ Hr Conveyance System Routing w/o infiltration
Input Report


[^21]
Interconnected Channel and Pond Routing Model (ICPR) ©2002 Streamline Technologies, Inc.
Vista Pond 12
Io Yr $/ 24 \mathrm{Hr}$ Conveyance System Routing w/o infiltration
Input Report


| Name: P12C3C | From Node: 12C3C | Length(ft) : 115.00 |
| :---: | :---: | :---: |
| Group: BASE | To Node: 12A | Count: ? |
|  |  | Exiction Equation: Automatic |
| UPSTREAM | DOWNSTREAN | Solution Algorithm: Nost Restrictive |
| Geometry: Circular | Circular | Flow: Bcth |
| Span(in): 18.00 | 18.00 | Entrance Loss Coef: 0.00 |
| Rise $(\mathrm{in}$ ): 18.00 | 18.00 | Exit Loss Coef: 1.00 |
| Invers(ft): 11.4 .000 | 72.000 | 3end Loss Coef: 0.00 |
| Nanning's N: 0.013000 | 0.013000 | Outlet Cirl Spec: Use dc or tw |
| Top Cilp(in) : 0.000 | 0.000 | Inlet Ctrl Spec: Use dc |
| Bot Ciip(in) : 0.000 | 0.000 | Stailizer Option: None |

[^22] Upstream FHWh Iniet Eqge Description:
Circular Concrete: Square edge w/ heacwall

Downstream EHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall
(

| Name: P12C5 |  |  |
| :---: | :---: | :---: |
|  |  |  |

Name: P12C5
Group: BASE

Geometry: $\begin{gathered}\text { UPSTREAM } \\ \text { Circular }\end{gathered}$
8.00
8.00

88
88

- 88
$\begin{array}{cc}\text { Manning's N: } & 0.003000 \\ \text { Top Clip }(i n): & 0.000 \\ \text { Bot Clip }(i n): & 0.000\end{array}$

OWNSTREAM
Erom Node: 12 C 5 A
To Node: 12 C
jength(fi): 260.00
Count: 1
Eriction Equation: Automatic
Solution Algorithm: Most Restrictive
Fiow: Both
Entrance Loss Coef: 0.00
Exit Loss Coef: 1.00
Bend Loss Coef: 0.00
Outlet Ctrl Spec: Use dc or tw
Inlet Ctrl Spec: Use dc
Stabilizer Option: None
stabilizex Optiona
Length(zt): 165.00


Interconnected Channel and Pond Routing Model (ICPR) ©2002 Streamline Technologies, Inc.
Vista Pond 12
$100 \mathrm{Yy} / 24 \mathrm{Kr}$
$100 \mathrm{Yr} / 24 \mathrm{Hr}$ Conveyance System Routing w/o infiltration
Input Report

Vista Pond 12
100 Yr $/ 24 \mathrm{Hr}$ Conveyance System Routing w/o infiltration
Input Report


Uostream FHWA Inlet Edge Description:
Circuiar Concrete: Square edge w/ headwall
Clrcuiax concete: Square edge w/ headwail
Downstream FHWA Iniet Edge Description:
Cincular Concrete: Square edge w/ headwall


| Name: Group: | $\begin{aligned} & \text { CHI2BI } \\ & \text { BASE } \end{aligned}$ | From Node: ${ }^{2231}$ To Node: 225 | Length(ft): 450.00 Count: i |
| :---: | :---: | :---: | :---: |
|  | UPSTREAM | DOWNSTREAM | Friction Equation: Automatic |
| Geometry: | Trapezoidar | Trapezoidal | Solution Aigorithm: Alitomatic |
| Invert(ft): | 91.500 | 83.500 | Flow: Both |
| TCipinitz(ft): | 9999.000 | 9999.000 | Contraction Coef: 0.100 |
| Manning's N : | 0.024000 | 0.024000 | Exparsion Coef: 0.300 |
| Top Clip(ft) : | 0.000 | 0.000 | Entrance Loss Coef: 0.000 |
| Bot Clip(ft) : | 0.000 | 0.000 | Exit Loss Coef: 0.000 |
| Main XSec: |  |  | Outlet Ctri Spec: Use dc or tw |
| AuxElevi (ft) : |  |  | Inlet Ciri Spec: Use dc |
| Aux XSeci: |  |  | Stabilizer Option: None |
| AuxElev2 (ft): |  |  |  |
| Aux XSec2: |  |  |  |
| Top Width (ft) : |  |  |  |
| Depth(碞): |  |  |  |
| Bot width (ft) : | 4.000 | 4.000 |  |
| LtSdSip (h/v) : | 3.00 | 3.00 |  |
| RtSdSip (h/v) : | 3.00 | 3.00 |  |

$\begin{array}{cl}\text { Bot width(ft): } 4.000 & 4.000 \\ \text { LtSdSip }(h / v): 3.00 & 3.00 \\ \text { RtSdSip }(h / v): 3.00 & 3.00\end{array}$
Name CH1233
Aumos:

> Length(ft) : 490.00
Count: 1

Friction Equation: Automatic
Solution Algorithm: Automatic
Interconnected Channel and Pond Routing Model (ICPR) ©2002 Streamline Technologies, Inc.
100 Vr / 24 Hr Conveyance System Routing w/o infiltration
Input Report

Interconnected Channel and Pond Routing Model (ICPR) ©2002 Streamline Technologies, Inc.


Vista Pond 12
100 Yr $/ 24 \mathrm{Hr}$ Conveyance System Routing $w / 0$ infilteration
Input Report

Vista Pond 12
$100 \mathrm{Yr} / 24 \mathrm{Hr}$
100 Vr/24 Hr Conveyance System Routing w/o infiltration

Interconnected Channel and Pond Routing Model (ICPR) ©2002 Streamline Technologies, Inc.
Vista Pond 12
$100 \mathrm{Yr} / 24 \mathrm{Hr}$
loo Yr/ 24 Hr Conveyance System Routing w/o infiltration

Interconnected Channel and Pond Routing Model (ICPR) ©2002 Streamline Technologies, Inc.

|  |  |
| :---: | :---: |
|  |  |
|  |  <br>  |
|  |  <br>  |
|  |  <br>  |
|  |  <br>  |
|  |  |
|  |  |
|  |  <br>  |
| 资 | 0，000000000000000，1090000000 |
|  | 08089980890990909090898088 <br>  <br>  <br>  |
|  |  <br>  <br>  <br>  |
|  |  <br>  |
|  | 0 0 0 0 0 0 0 0 0 0 0 प्र 4 <br>  <br>  <br>  <br>  <br>  |
| $\begin{aligned} & 0 \\ & 3 \\ & 0 \\ & 6 \\ & 6 \end{aligned}$ |  <br>  |
|  |  |


| Name | Group | Simulation | $\begin{array}{r} \text { May Time } \\ \text { Elow } \\ \text { hrs } \end{array}$ | $\begin{gathered} \text { Max } \\ \text { Flow } \\ \text { cfs } \end{gathered}$ | $\begin{array}{r} \text { Max } \\ \text { Delta } \\ \text { cfs } \end{array}$ | Max Time US Stage hrs | $\begin{array}{r} \text { Max } \\ \text { Us Stage } \\ f t \end{array}$ | Naz Time DS Stage hrs | DS Stage |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Ca1282 | BASE | vistapondi2rte | 8.62 | 6.65 |  |  |  |  |  |
| C412B3 | BASE | vistaponcil2rte | 8.51 | 3.76 | -0.024 | 8.62 | 91.90 | 8.61 | 83.86 |
| $\mathrm{CH12Cl}$ | BASE | vistapondi2rte | 8.13 | 3.48 | -0.009 | 8.51 | 103.17 118.06 | 8.49 | 84.33 |
| CHI2C2 | BASE | vistapondi2rte | 8.50 | 2.6I | 0.009 | 8.50 | 128.06 125 | 8.12 | 214.53 |
| CH12C3A | BASE | vistapondi2xte | 8.50 | 4.05 | 2.070 | 8.50 | +19.49 | 8.53 | 114.43 |
| CH12C4 | BASE | Vistapondi2rte | 8.51 | 0.88 | 0.005 | 8.59 | 115.23 | 8.61 | 115.00 |
| CH12C5 | BASE | vistapondi2rte | 8.30 | 0.79 | 0.005 | 8.50 | 115.15 | 8.52 | 114.33 |
| Chi2dia | base | vistaporil2rte | 8.51 | 1.36 3.49 | 0.007 | 8.50 | 116.42 | 8.56 | 114.55 |
| CHi2di3 | BASE | vistapondi2rte | 8.51 | 2.00 | 0.162 | 8.5 | 147.87 | 9.01 | 146.72 |
| CHi2d2 | BASE | vistaponcil2rte | 8.34 | 1.13 | -0.006 | 7.75 | +156.06 | 8.49 | 146.06 |
| CH1253 | 3ASE | vistaponcil2rte | 7.65 | 5.09 | 1.816 | 7.65 | 151.89 | 7.65 | 153.09 |
| DS12F | BASE | Vistapondi2rte | 8.55 | 10.00 | 0.072 | 24.00 | 79.56 | 24.00 | 79.56 |
| P128 | BA.SE | vistaponciarte | 0.00 | 23.76 | 23.761 | 8.69 | 84.01 | 24.00 | 79.56 |
| P12C | BASE | vistapondi2rte | 8.58 | 3.27 | $\underline{0.307}$ | 8.59 | 84.00 | 0.00 | 70.76 |
| P12C1A | BASE | vistapondi2rte | 8.52 | 2.40 | -0.211 | 8.54 | 114.60 | 14.28 | 84.00 |
| 212C2A | BASE | Vistapondi2rte | 8.53 | 1.60 | 0.215 | 8.53 | 114.43 | 24.10 | 102.40 |
| P1203C | BASE | Vistapondilerte | 8.48 8.59 | 0.79 | 0.063 | 8.52 | 114.33 | 8.48 | 98.14 |
| P12C5 | BASE | vistaponci2rte | 8.54 | 4.31 1.36 | 0.309 | 8.61 | 115.00 | 24.00 | 79.56 |
| P1201 | BASE | vistapondizute | 8.60 | 1.12 | 0.258 | 8.63 | 114.55 | 8.54 | 98.23 |
| P1203 | BASE | vistapondi2rte | 8.62 | 4.53 | 0.147 | 8.65 | 148.02 | 21.67 | 98.16 |
| P12E | 3ASE | vistaponcil2rte | 9.00 | 5.44 | 0.287 | 9.01 | 246.72 | 8.62 9.00 | $\begin{array}{r}91.80 \\ 102.30 \\ \hline 3.52\end{array}$ |
| 2122 | BASE | vistapondi2rte | 8.97 | 9.41 | 0.099 | 9.01 | 103.49 | 23.54 | 83.52 |


[^0]:    Vice President, Waste Management Inc. of Florida (Corporate Title if applicable)

[^1]:    Vista pond 1
    100 yr $/ 24$ ir Conveyance system Routing w/o infiltration
    Input Report

[^2]:    Vista Pond 1 Hir Conveyance System Routing w/o infiltration
    $100 \mathrm{yr} / 24 \mathrm{H}$
    Input Report

[^3]:    Upstream FWWA Inlet Edge Description:
    Circuiar Concrete: Square edge w/ headwali
    Downstream FHWA Inlet Edge Description:
    Circular Concrete: Square eage w/ headwall

[^4]:    00 Yr / 24 Hr Conveyance System Routing $w / 0$ insilutration
    loo Yr / 24 Hr Conveyance System Routing w/o inisiltration
    Input Report

[^5]:    Vista Pond 3
    ion Yx $/ 24$ fir Conveyance System Routing w/o infiltration
    Input Report
    nput Report

[^6]:    100 Yr / 24 Hr Conveyance System Routing w/o infiltration

[^7]:    
    

[^8]:    Type: Stage/Area

[^9]:    Downstream Ehw iniet Edige Description:
    Circular Concrete: Square edge w/ headwai
    circular concrete: Square edge w/ headwail

[^10]:    Upstream Fhw Inlet Edge Description:
    Circular Concrete: Scuare edge w/ headwali
    Downstream FHhr Inlet Edge Description:
    Circular Concrete: Square edge w/ headiall

[^11]:    Vista pond 7
    $100 \mathrm{Yr} / 24 \mathrm{Hr}$ Conveyance System Modeling
    $100 \mathrm{Yr} / 24 \mathrm{Hr}$
    Input Report
    Input Report

[^12]:    ioc Yr / 24 Hr Conveyance System Modeling
    100 Yr / 2
    Input Repor

[^13]:    Vista Pond 7
    ion Yr $/ 24 \mathrm{Hr}$ Conveyance System Vodeling
    Input Report
    Input Report

[^14]:    Vista Pond 7
    100 Yr $/ 24 \mathrm{Hr}$ Conveyance System Modeling
    Input Report

[^15]:    Upstream Ehw Inlet Edge Description:
    Circular Concrete: Square edge w/ heaciwad

[^16]:    
    
    Status: Onsite

    $$
    \begin{aligned}
    & \text { Peaking Factor: } 484.0 \\
    & \text { Storm Duration(hrs): } 24.00 \\
    & \text { Time of Concmin): } 10.00 \\
    & \text { Time Shifthrs) } 0.00 \\
    & \text { Max Allowable Q(cfs): } 999999.000
    \end{aligned}
    $$

    Nax alionable Qicel :

    | Name: lOBI | Noce: ios |
    | :---: | :---: |
    | Group: BASE | Type: SCS Unit Hydrograph CN |

    Name: 10 A
    Group: BASE
    Unit Hycrograph: Uh484
    Rainfail Amount (in): 10.600
    $\begin{aligned} \text { Curve Number: } & 98.00 \\ \text { DCIA }(8): & 0.00\end{aligned}$
    HyOrocraph Un484
    

    Curve Number: 0.00 Nax A.ilowade Qicis): 0.00 (3):

[^17]:    Vista zonc il
    100 Year/ 24 fir Conveyance System Modeiing w/o infiltration
    Input Report

[^18]:    

[^19]:    Downstream EHWA Inlet Edge Description:
    Circular Concrete: Square edge w/ headwall

[^20]:    Vista Pond 12
    ion Yr / 24 ir Conveyance System Routing w/o infilexation
    input Report

[^21]:    Vista Pond 12
    loo Yr $/ 24 \mathrm{Hr}$ Conveyance System Routing $\mathrm{w} / \mathrm{o}$ infiltration
    Input Report

[^22]:    Downstream FHWA Inlet Edge Description:
    Circular Concrete: Square edge w/ headwall

